

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041319\
 Data File : VN055011.D
 Acq On : 12 Apr 2019 20:39
 Operator : JC/SP
 Sample : VN0413WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBSD01

Quant Time: Apr 13 03:44:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 03:34:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	405647	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	671541	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	586152	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	236899	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	273309	53.69	ug/l	0.00
Spiked Amount			Recovery	=	107.38%	
35) Dibromofluoromethane	7.59	113	216337	50.54	ug/l	0.00
Spiked Amount			Recovery	=	101.08%	
50) Toluene-d8	10.09	98	783461	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	
62) 4-Bromofluorobenzene	12.40	95	262005	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	92644	20.706	ug/l	99
3) Chloromethane	2.06	50	123153	20.525	ug/l	98
4) Vinyl Chloride	2.19	62	101284	20.802	ug/l	100
5) Bromomethane	2.56	94	56353	19.994	ug/l	97
6) Chloroethane	2.70	64	54506	20.299	ug/l	98
7) Trichlorofluoromethane	3.02	101	127840	20.932	ug/l	99
8) Diethyl Ether	3.41	74	41657	21.688	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	65231	20.478	ug/l	99
10) Methyl Iodide	3.94	142	90229	19.640	ug/l	99
11) Tert butyl alcohol	4.83	59	35419	113.070	ug/l	97
12) 1,1-Dichloroethene	3.73	96	62733	20.002	ug/l	96
13) Acrolein	3.61	56	41785	110.511	ug/l	99
14) Allyl chloride	4.31	41	160272	20.915	ug/l	99
15) Acrylonitrile	5.00	53	196393	113.670	ug/l	99
16) Acetone	3.82	43	136079	97.307	ug/l	100
17) Carbon Disulfide	4.04	76	179785	17.600	ug/l	97
18) Methyl Acetate	4.33	43	94962	21.906	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	247009	22.043	ug/l	100
20) Methylene Chloride	4.54	84	109221	23.253	ug/l	100
21) trans-1,2-Dichloroethene	5.03	96	86378	20.906	ug/l	94
22) Diisopropyl ether	5.96	45	339140	21.828	ug/l	96
23) Vinyl Acetate	5.90	43	1200054	110.430	ug/l	99
24) 1,1-Dichloroethane	5.84	63	175053	20.861	ug/l	99
25) 2-Butanone	6.85	43	244243	113.399	ug/l	99
26) 2,2-Dichloropropane	6.82	77	103568	18.655	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	101912	21.233	ug/l	98
28) Bromochloromethane	7.19	49	87137	21.886	ug/l	100
29) Tetrahydrofuran	7.22	42	164483	116.495	ug/l	99
30) Chloroform	7.37	83	170045	21.250	ug/l	98
31) Cyclohexane	7.65	56	163976	20.314	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	133891	21.003	ug/l	99
36) 1,1-Dichloropropene	7.79	75	122533	19.743	ug/l	99
37) Ethyl Acetate	6.94	43	104419	22.411	ug/l	98
38) Carbon Tetrachloride	7.77	117	111264	19.045	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041319\
 Data File : VN055011.D
 Acq On : 12 Apr 2019 20:39
 Operator : JC/SP
 Sample : VN0413WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBSD01

Quant Time: Apr 13 03:44:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 03:34:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	136638	19.231	ug/l	98
40) Benzene	8.04	78	382531	20.387	ug/l	100
41) Methacrylonitrile	7.18	41	63831	22.265	ug/l	95
42) 1,2-Dichloroethane	8.13	62	132719	20.106	ug/l	99
43) Isopropyl Acetate	8.17	43	172627	21.668	ug/l	99
44) Trichloroethene	8.84	130	96087	20.038	ug/l	98
45) 1,2-Dichloropropane	9.12	63	106530	20.118	ug/l	96
46) Dibromomethane	9.21	93	62923	20.739	ug/l	98
47) Bromodichloromethane	9.40	83	124195	20.129	ug/l	97
48) Methyl methacrylate	9.20	41	87056	21.212	ug/l	98
49) 1,4-Dioxane	9.21	88	20108	455.577	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	517575	110.953	ug/l	98
52) Toluene	10.16	92	223332	20.125	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	108440	19.409	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	138702	20.153	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	87053	21.058	ug/l	99
56) Ethyl methacrylate	10.43	69	111417	20.945	ug/l	99
57) 1,3-Dichloropropane	10.71	76	150911	21.162	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	218159	102.831	ug/l	99
59) 2-Hexanone	10.75	43	322370	110.589	ug/l	99
60) Dibromochloromethane	10.90	129	84234	20.471	ug/l	100
61) 1,2-Dibromoethane	11.01	107	81885	20.689	ug/l	99
64) Tetrachloroethene	10.63	164	91103	19.870	ug/l	96
65) Chlorobenzene	11.43	112	231763	20.506	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	84424	20.269	ug/l	98
67) Ethyl Benzene	11.51	91	414620	19.971	ug/l	98
68) m/p-Xylenes	11.62	106	308675	40.639	ug/l	99
69) o-Xylene	11.95	106	152978	20.356	ug/l	97
70) Styrene	11.96	104	244093	20.484	ug/l	99
71) Bromoform	12.13	173	51833	19.796	ug/l #	98
73) Isopropylbenzene	12.25	105	400854	19.901	ug/l	99
74) N-amyl acetate	12.07	43	126478	20.833	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	108444	20.795	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	125189	28.724	ug/l #	100
77) Bromobenzene	12.53	156	98529	21.283	ug/l	99
78) n-propylbenzene	12.59	91	439109	20.010	ug/l	99
79) 2-Chlorotoluene	12.68	91	270009	19.917	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	329491	20.095	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	21140	20.020	ug/l	93
82) 4-Chlorotoluene	12.77	91	255148	19.461	ug/l	99
83) tert-Butylbenzene	12.99	119	289100	20.581	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	320843	20.406	ug/l	100
85) sec-Butylbenzene	13.17	105	366790	20.451	ug/l	100
86) p-Isopropyltoluene	13.29	119	312070	20.004	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	158358	19.680	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	149196	19.387	ug/l	98
89) n-Butylbenzene	13.61	91	233799	19.082	ug/l	99
90) Hexachloroethane	13.87	117	48173	18.688	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	158919	20.344	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14758	21.764	ug/l	94

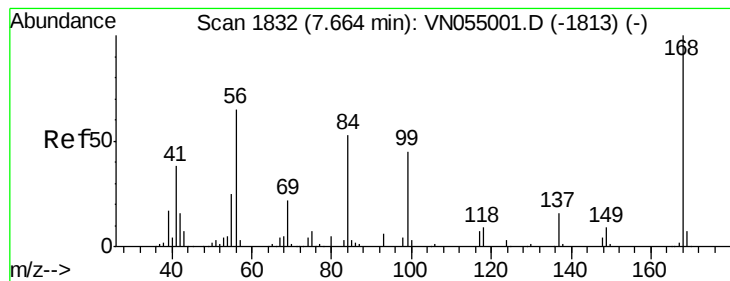
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041319\
Data File : VN055011.D
Acq On : 12 Apr 2019 20:39
Operator : JC/SP
Sample : VN0413WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBSD01

Quant Time: Apr 13 03:44:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 13 03:34:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	63760	18.805	ug/l	97
94) Hexachlorobutadiene	15.01	225	49990	20.060	ug/l	99
95) Naphthalene	15.13	128	143781	19.072	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	67804	19.242	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :

MSVOA_N

ClientSampleId :

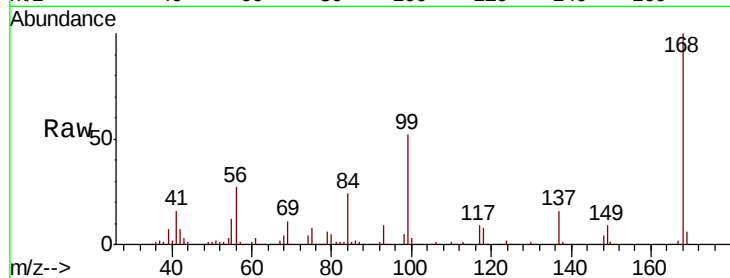
VN0413WBSD01

Tot Ion:168 Resp: 405647

Ion Ratio Lower Upper

168 100

99 51.6 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.66

150000

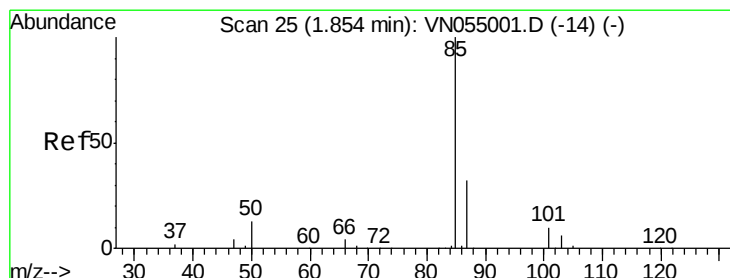
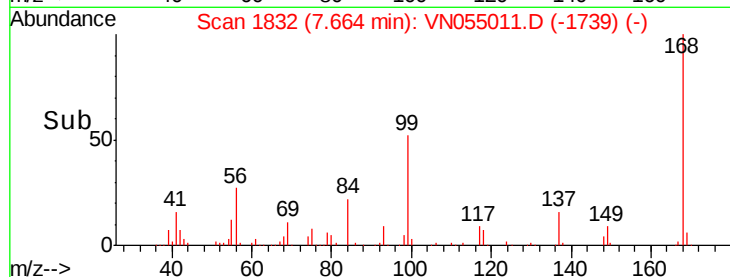
100000

50000

0

Time-->

7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 20.706 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055011.D

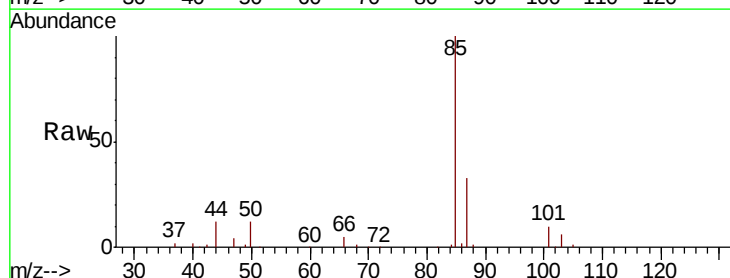
Acq: 12 Apr 2019 20:39

Tgt Ion: 85 Resp: 92644

Ion Ratio Lower Upper

85 100

87 32.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): V

Ion 86.90 (86.60 to 87.60): V

1.85

60000

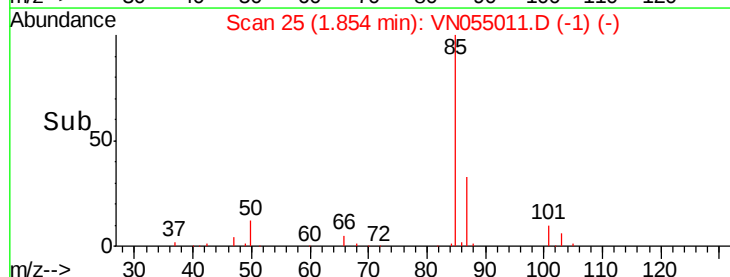
40000

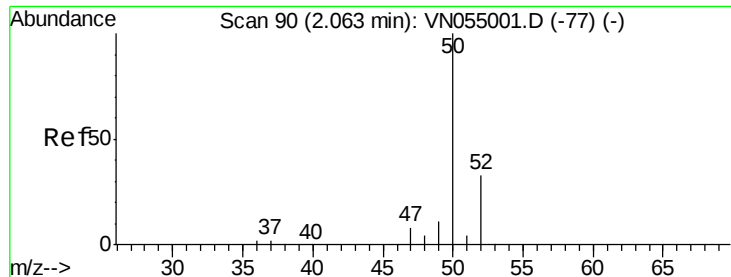
20000

0

Time-->

1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 20.525 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :

MSVOA_N

ClientSampleId :

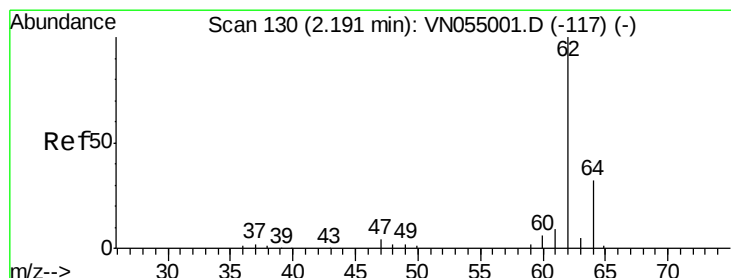
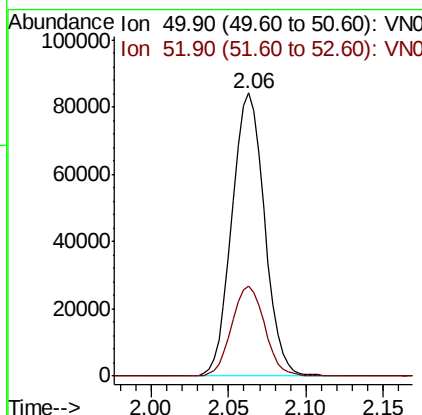
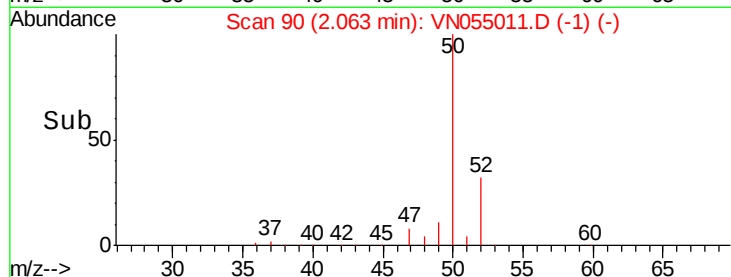
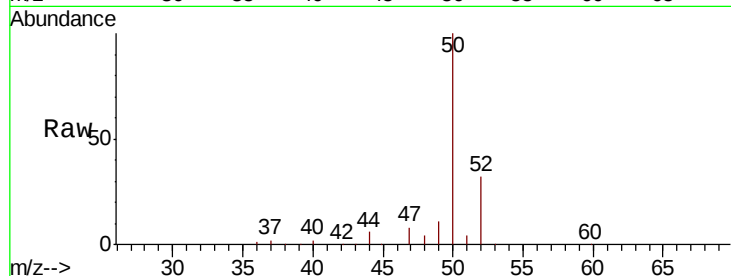
VN0413WBSD01

Tot Ion: 50 Resp: 123153

Ion Ratio Lower Upper

50 100

52 32.0 26.6 40.0



#4

Vinyl Chloride

Concen: 20.802 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055011.D

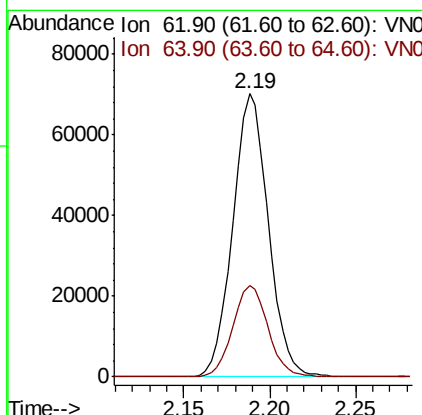
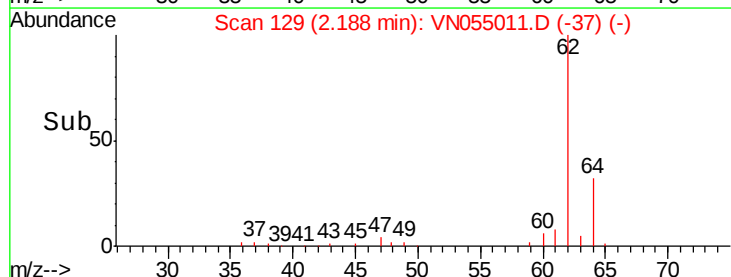
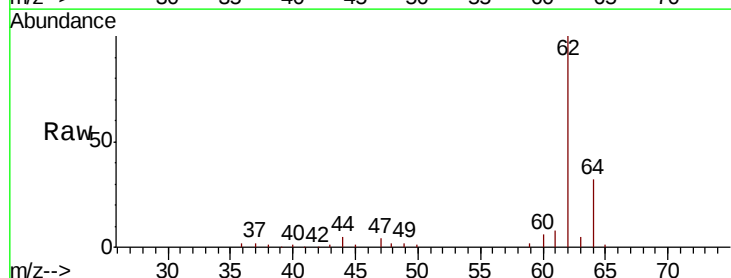
Acq: 12 Apr 2019 20:39

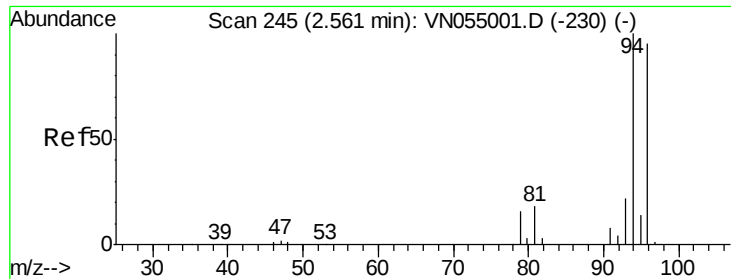
Tgt Ion: 62 Resp: 101284

Ion Ratio Lower Upper

62 100

64 32.3 25.8 38.6





#5

Bromomethane

Concen: 19.994 ug/l

RT: 2.56 min Scan# 244

Delta R.T. -0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :

MSVOA_N

ClientSampleId :

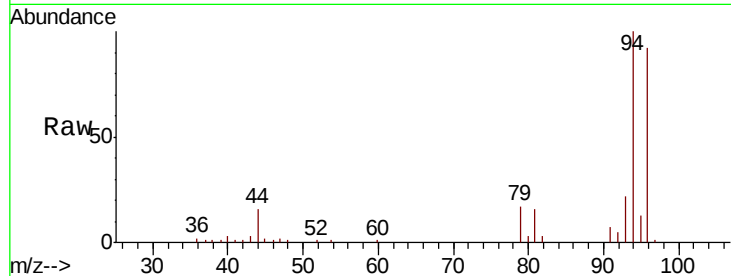
VN0413WBSD01

Tot Ion: 94 Resp: 56353

Ion Ratio Lower Upper

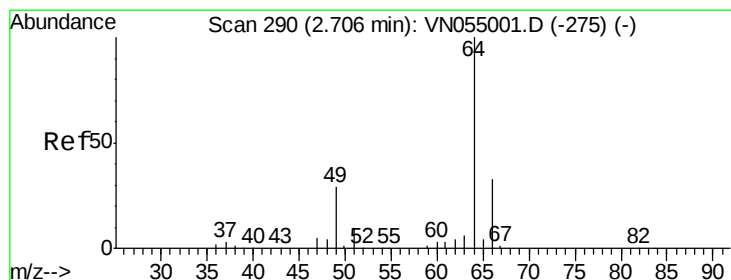
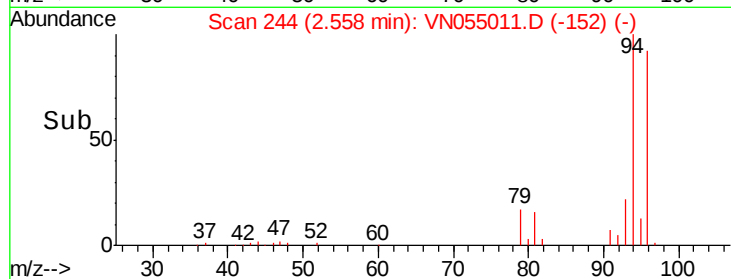
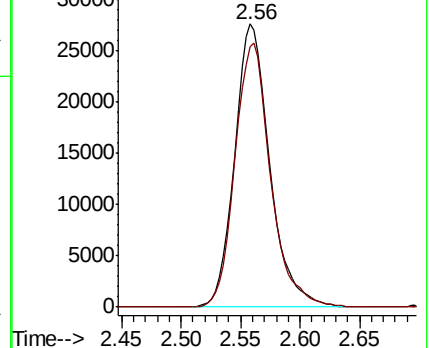
94 100

96 91.9 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.299 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN055011.D

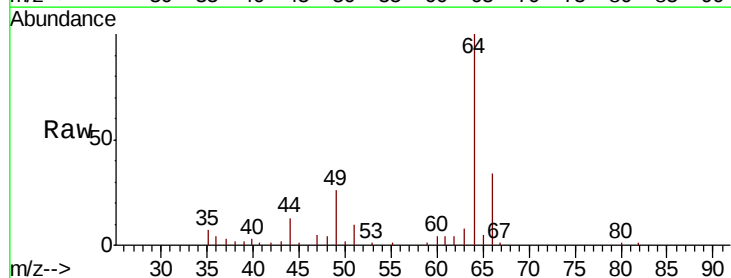
Acq: 12 Apr 2019 20:39

Tgt Ion: 64 Resp: 54506

Ion Ratio Lower Upper

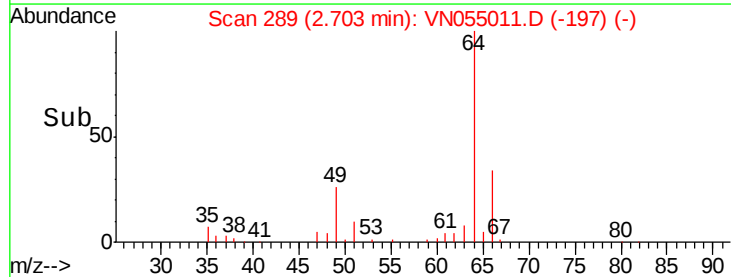
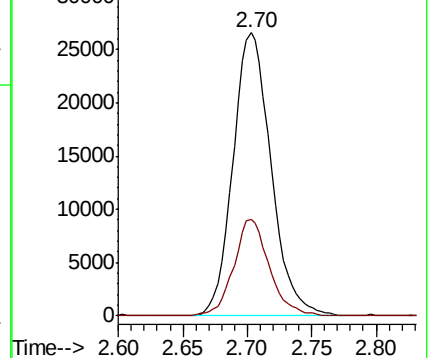
64 100

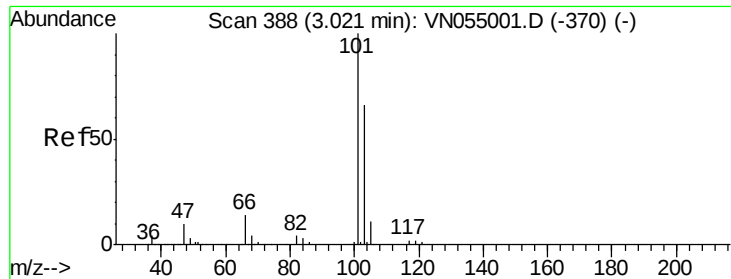
66 34.3 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



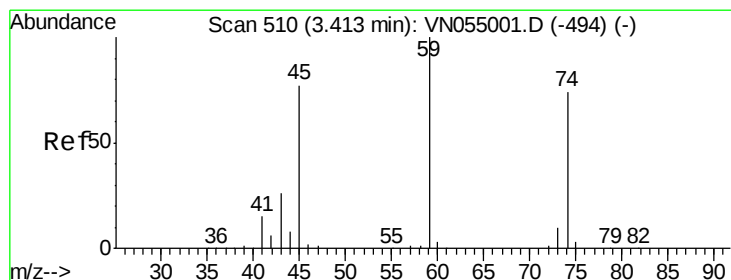
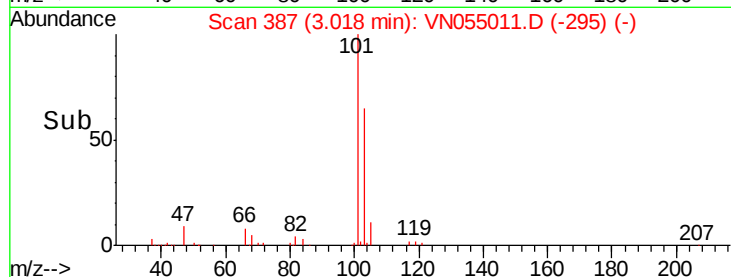
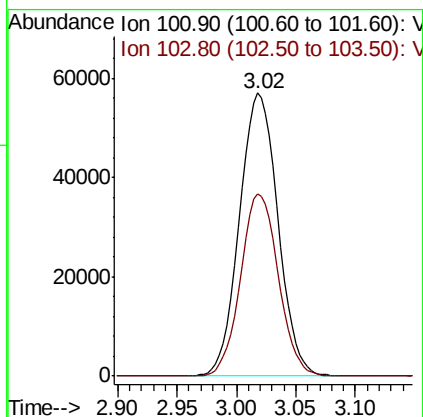
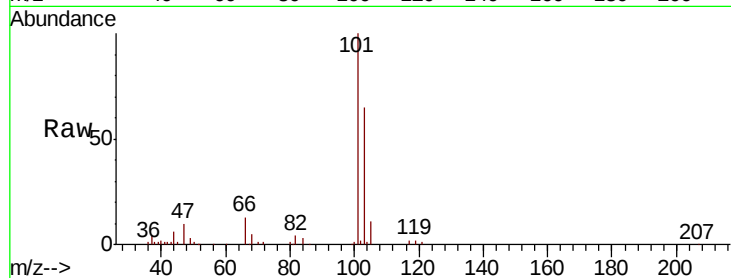


#7

Trichlorofluoromethane
 Concen: 20.932 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN055011.D
 Acq: 12 Apr 2019 20:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBSD01

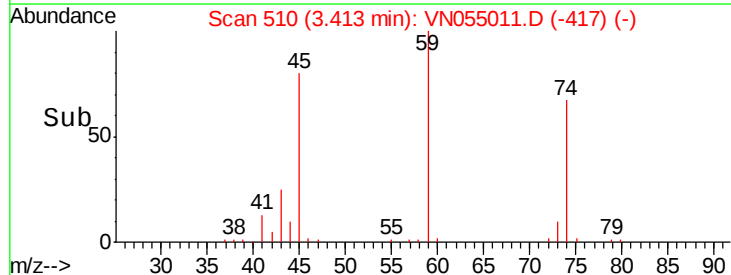
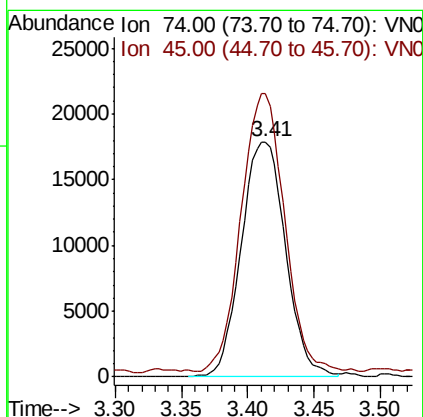
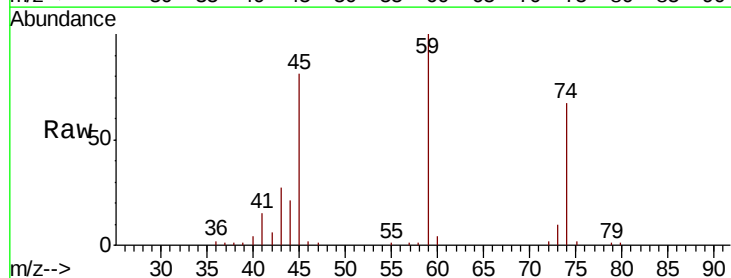
Tot Ion:101 Resp: 127840
 Ion Ratio Lower Upper
 101 100
 103 64.6 52.5 78.7

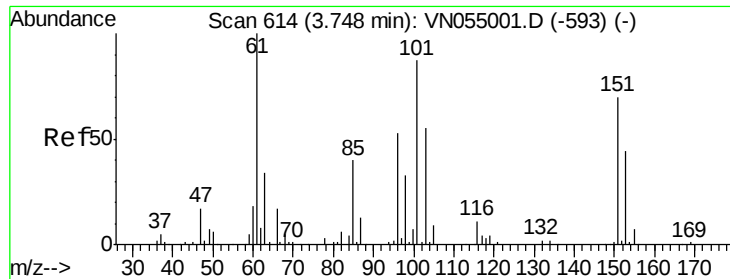


#8

Diethyl Ether
 Concen: 21.688 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055011.D
 Acq: 12 Apr 2019 20:39

Tgt Ion: 74 Resp: 41657
 Ion Ratio Lower Upper
 74 100
 45 115.4 55.7 167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.478 ug/l

RT: 3.75 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBSD01

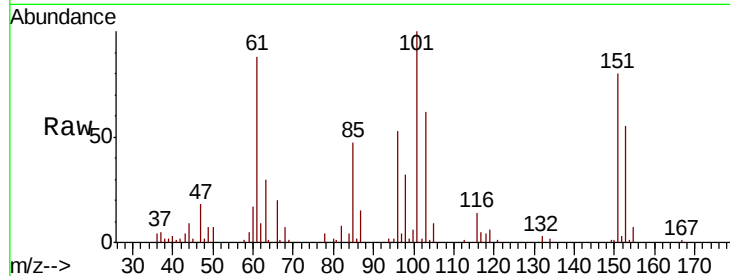
Tot Ion:101 Resp: 65231

Ion Ratio Lower Upper

101 100

85 47.2 36.9 55.3

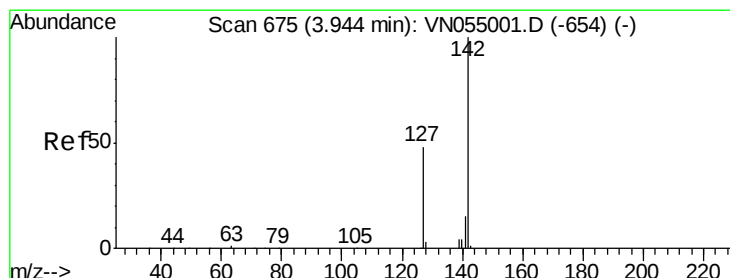
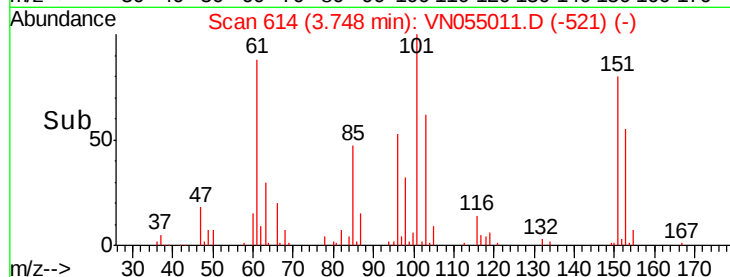
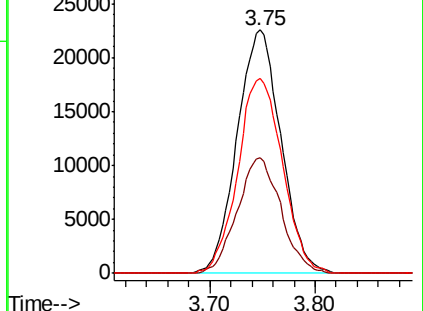
151 81.7 64.4 96.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.640 ug/l

RT: 3.94 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

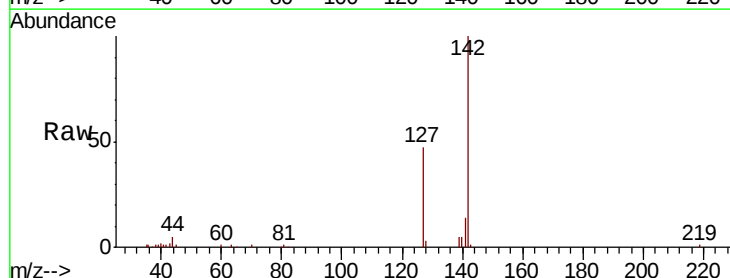
Tgt Ion:142 Resp: 90229

Ion Ratio Lower Upper

142 100

127 47.5 37.9 56.9

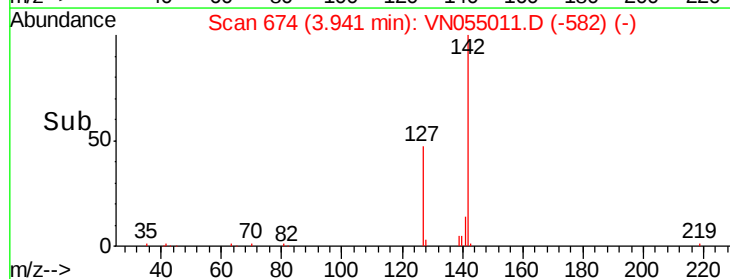
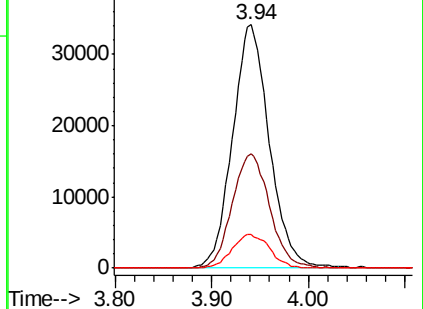
141 14.0 11.8 17.8

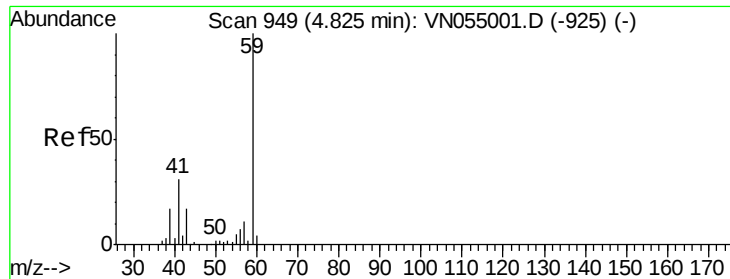


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



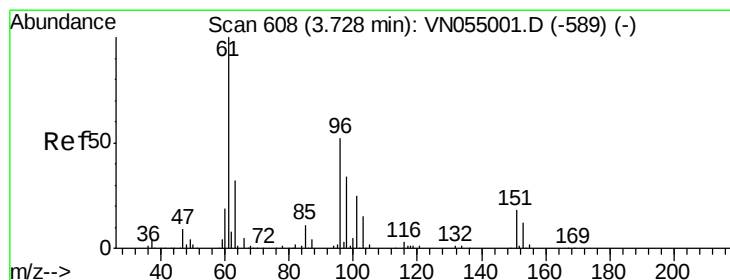
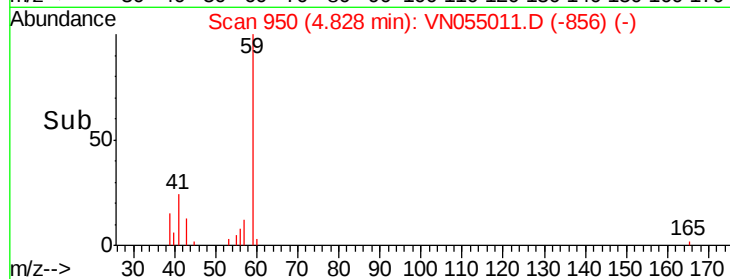
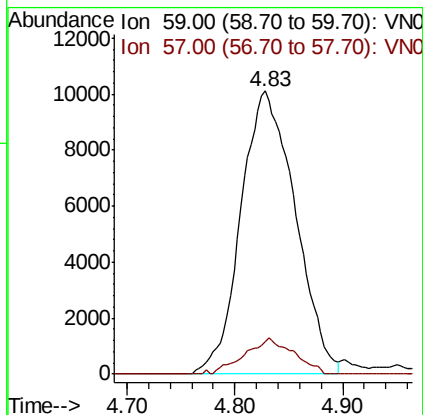
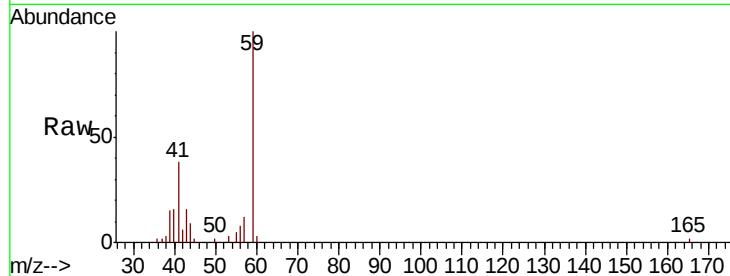


#11

Tert butyl alcohol
 Concen: 113.070 ug/l
 RT: 4.83 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VN055011.D
 Acq: 12 Apr 2019 20:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBSD01

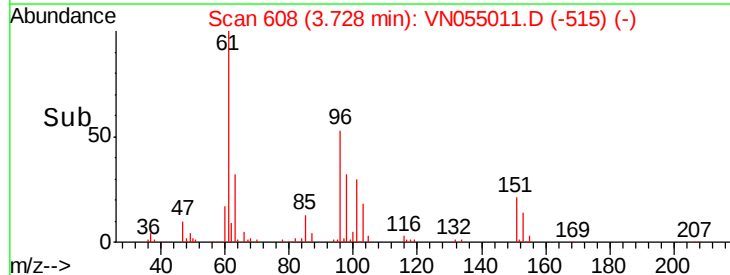
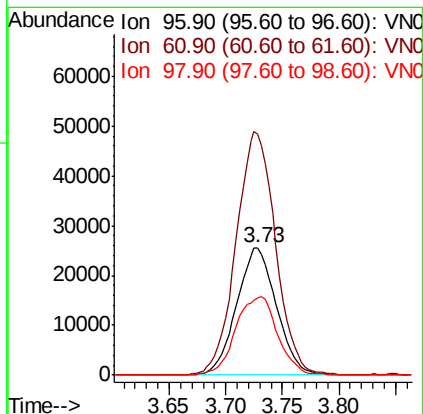
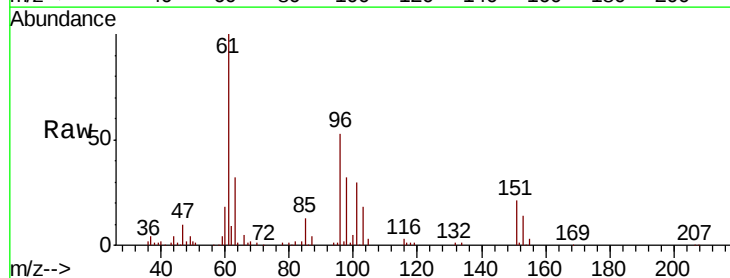
Tot Ion: 59 Resp: 35419
 Ion Ratio Lower Upper
 59 100
 57 11.4 8.3 12.5

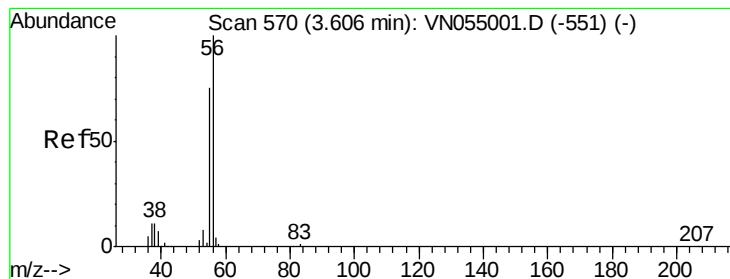


#12

1,1-Dichloroethene
 Concen: 20.002 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. 0.00 min
 Lab File: VN055011.D
 Acq: 12 Apr 2019 20:39

Tgt Ion: 96 Resp: 62733
 Ion Ratio Lower Upper
 96 100
 61 188.9 154.2 231.4
 98 61.1 52.9 79.3





#13

Acrolein

Concen: 110.511 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :

MSVOA_N

ClientSampleId :

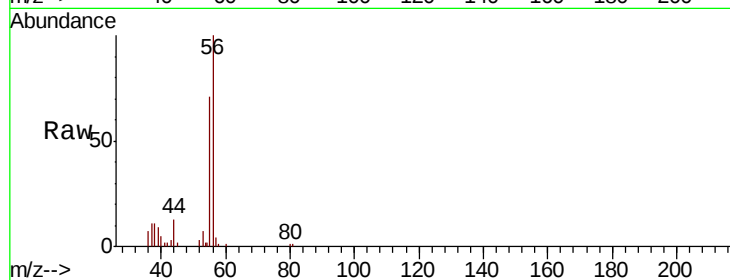
VN0413WBSD01

Tot Ion: 56 Resp: 41785

Ion Ratio Lower Upper

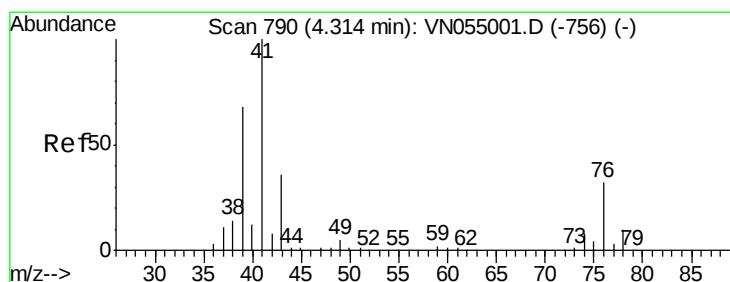
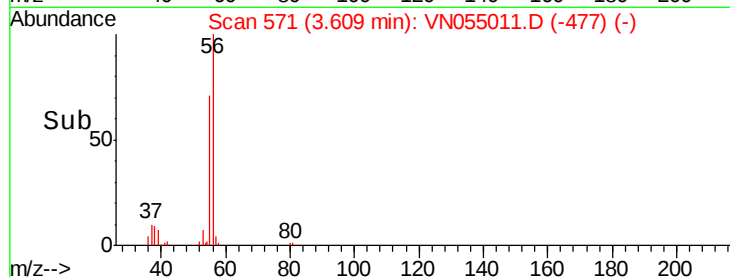
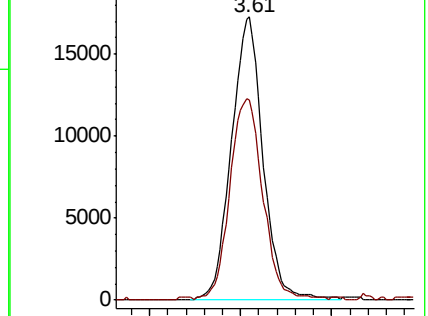
56 100

55 73.4 59.5 89.3



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.915 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

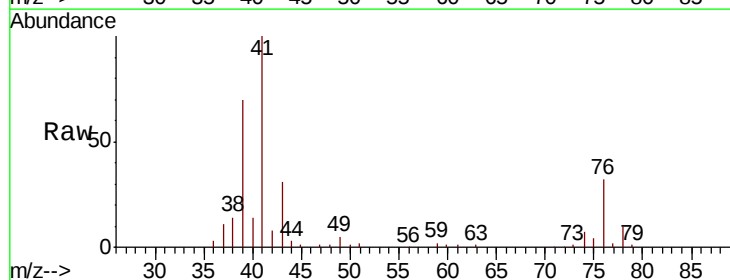
Tgt Ion: 41 Resp: 160272

Ion Ratio Lower Upper

41 100

39 64.5 52.7 79.1

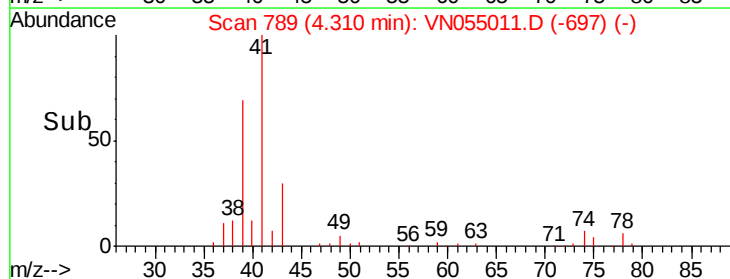
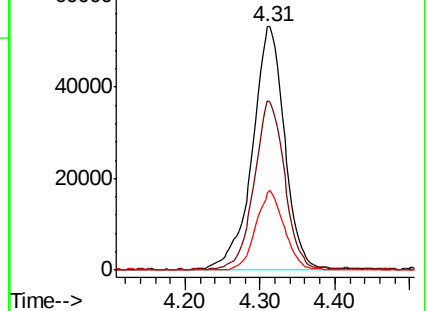
76 28.6 23.2 34.8

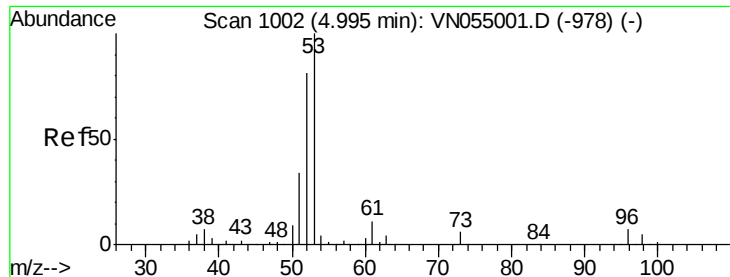


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 113.670 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBSD01

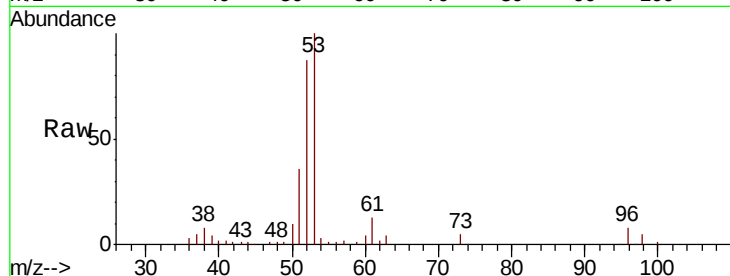
Tot Ion: 53 Resp: 196393

Ion Ratio Lower Upper

53 100

52 82.8 65.9 98.9

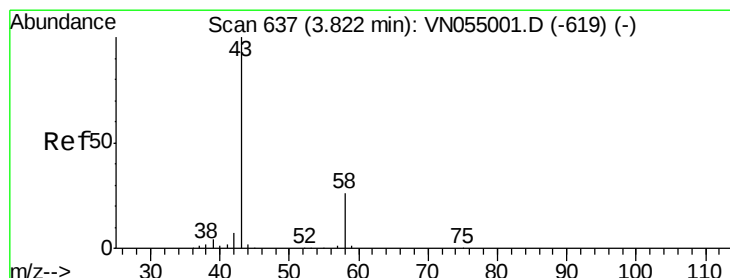
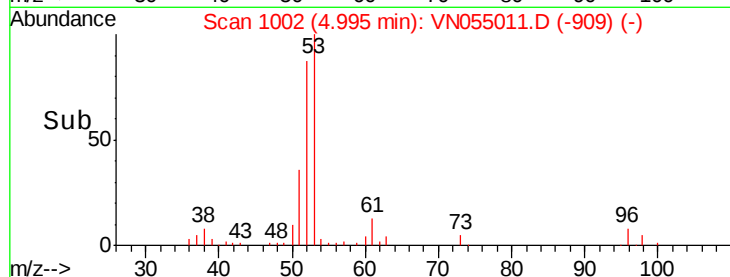
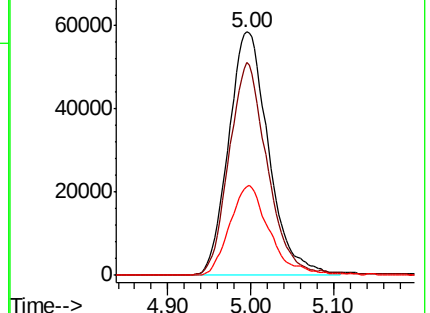
51 36.6 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 97.307 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN055011.D

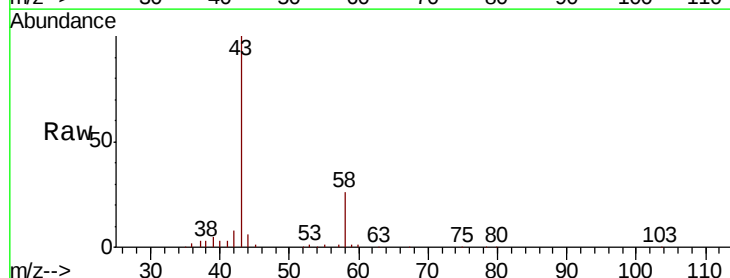
Acq: 12 Apr 2019 20:39

Tgt Ion: 43 Resp: 136079

Ion Ratio Lower Upper

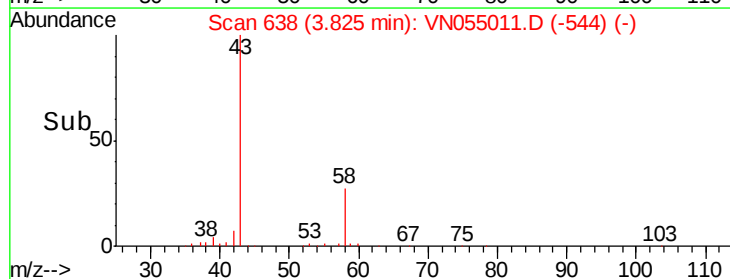
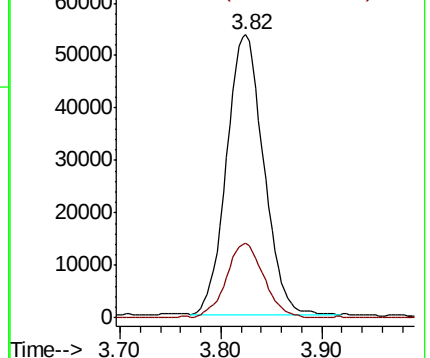
43 100

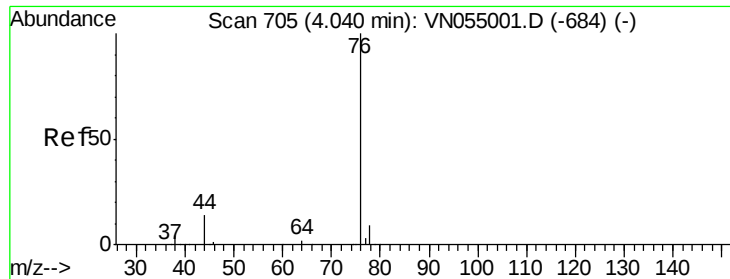
58 26.3 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

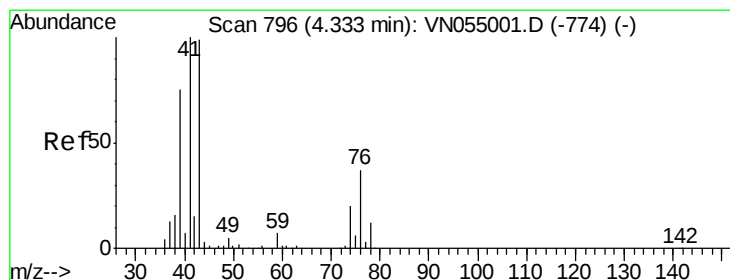
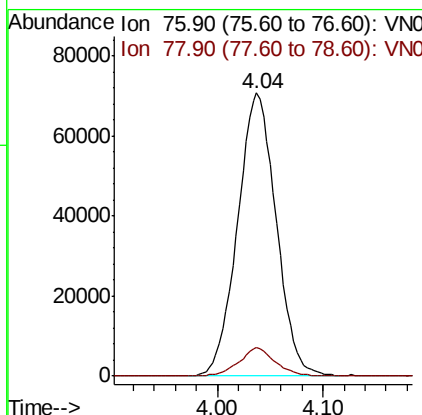
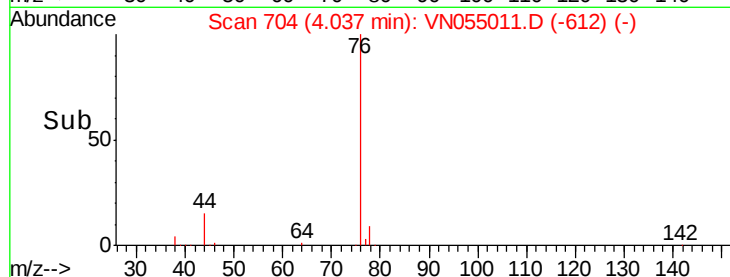
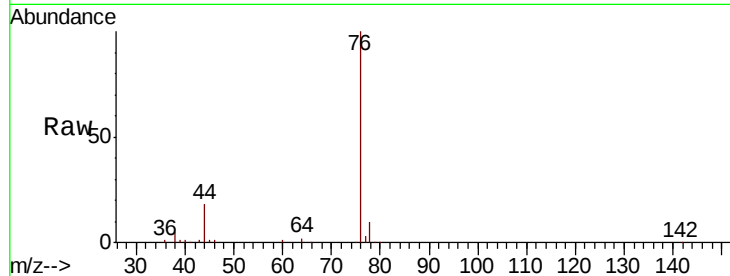




#17
Carbon Disulfide
Concen: 17.600 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

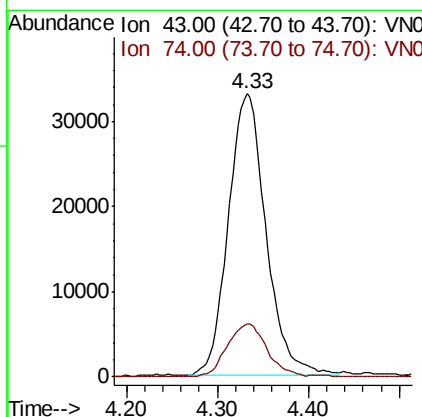
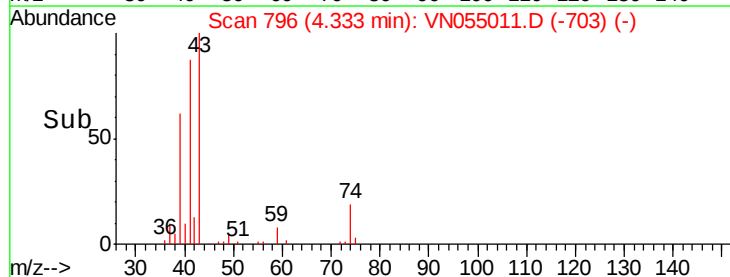
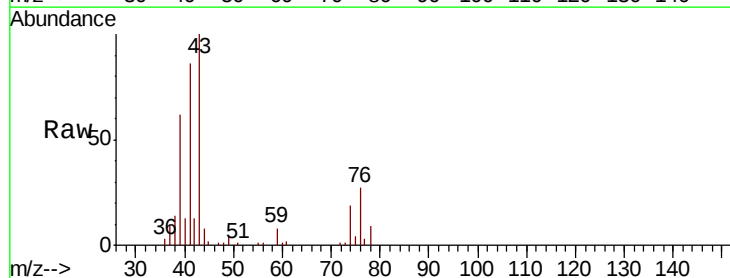
Instrument :
MSVOA_N
ClientSampleId :
VN0413WBSD01

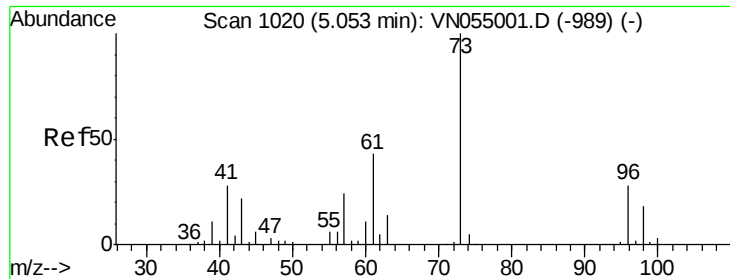
Tot Ion: 76 Resp: 179785
Ion Ratio Lower Upper
76 100
78 9.9 7.2 10.8



#18
Methyl Acetate
Concen: 21.906 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

Tgt Ion: 43 Resp: 94962
Ion Ratio Lower Upper
43 100
74 19.8 16.1 24.1

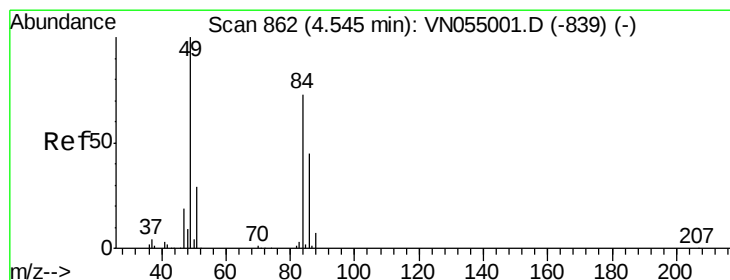
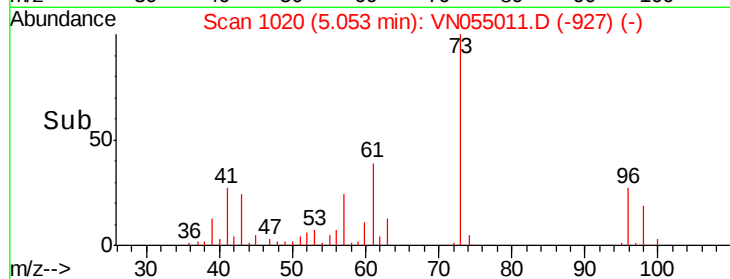
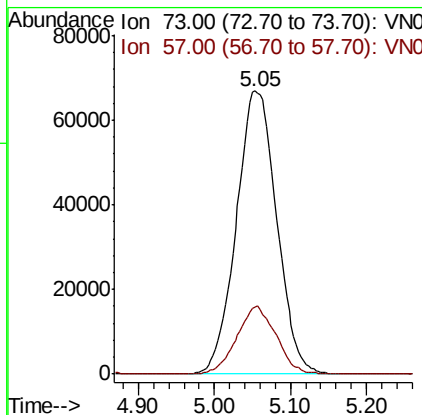
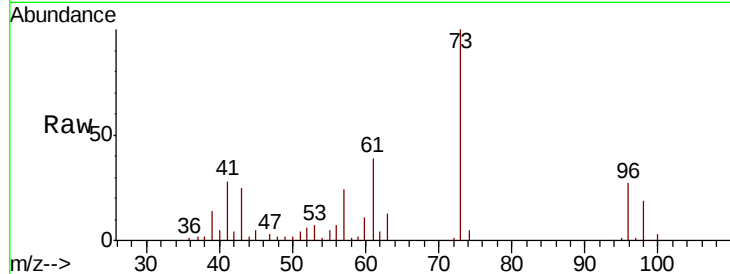




#19
Methyl tert-butyl Ether
Concen: 22.043 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

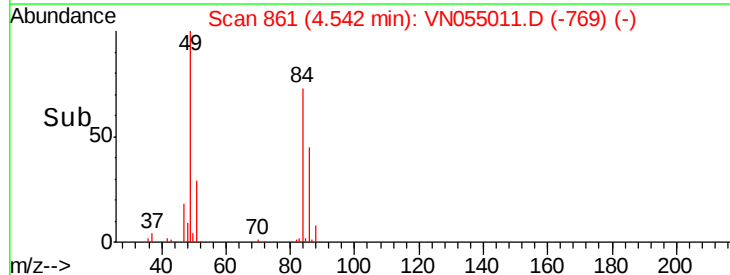
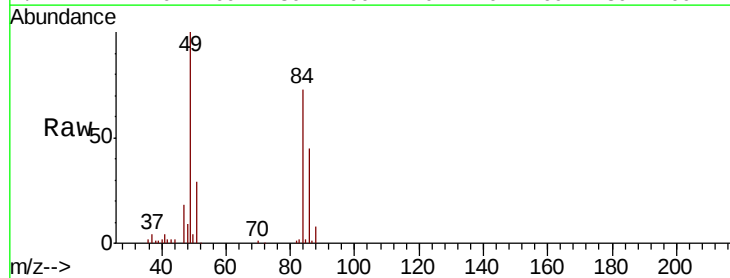
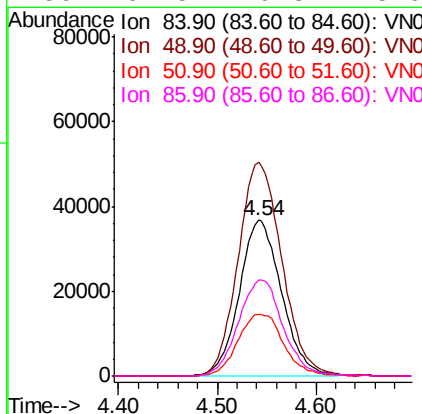
Instrument :
MSVOA_N
ClientSampleId :
VN0413WBSD01

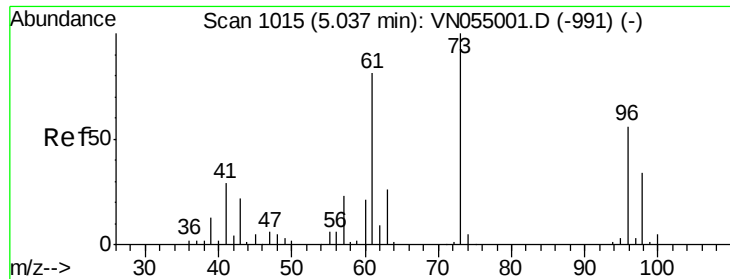
Tot Ion: 73 Resp: 247009
Ion Ratio Lower Upper
73 100
57 23.9 19.0 28.4



#20
Methylene Chloride
Concen: 23.253 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

Tgt Ion: 84 Resp: 109221
Ion Ratio Lower Upper
84 100
49 137.2 109.4 164.2
51 39.7 32.2 48.4
86 61.5 49.3 73.9

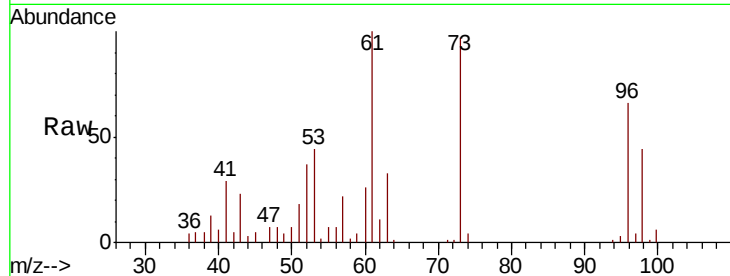




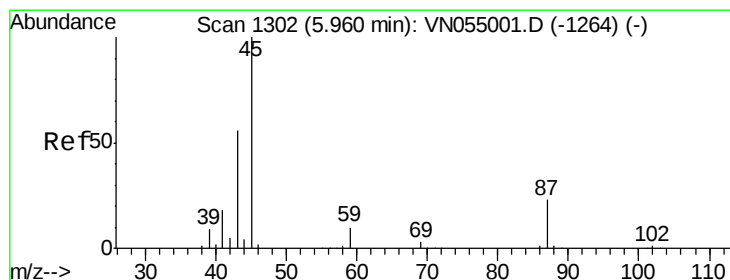
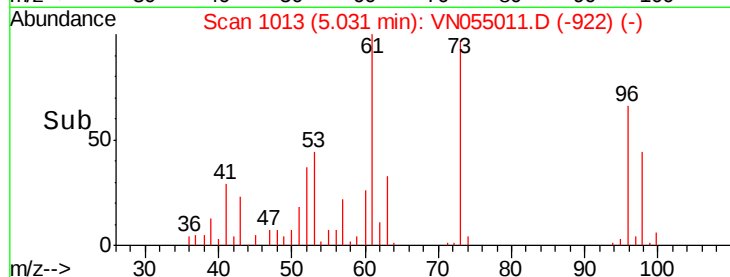
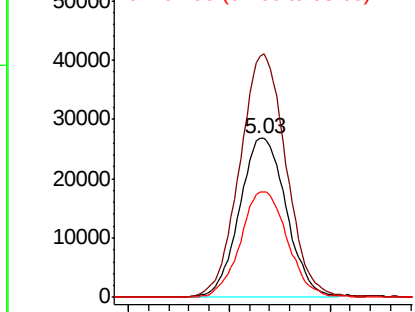
#21
trans-1,2-Dichloroethene
Concen: 20.906 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.01 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBSD01

Tot Ion: 96 Resp: 86378
Ion Ratio Lower Upper
96 100
61 151.1 114.9 172.3
98 66.2 48.4 72.6

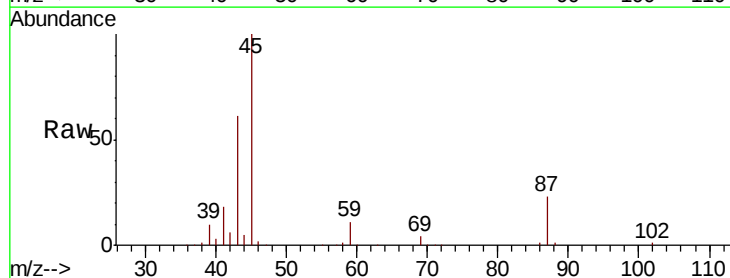


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

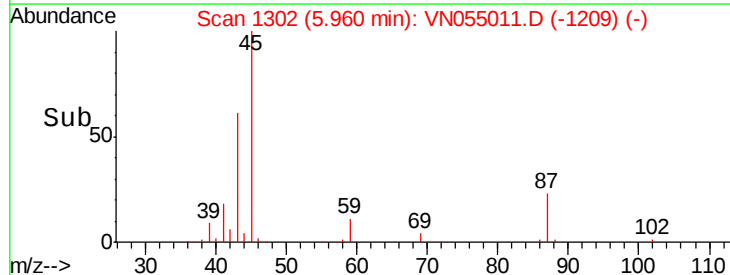
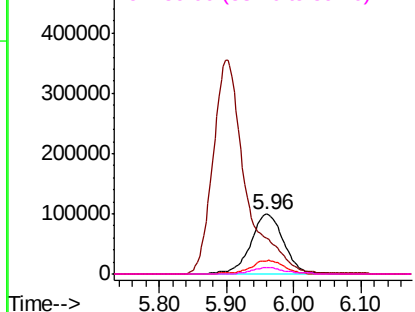


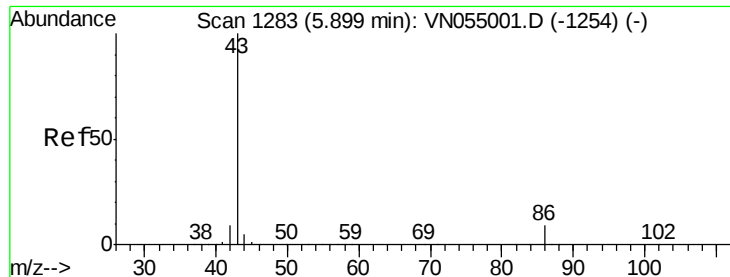
#22
Diisopropyl ether
Concen: 21.828 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

Tgt Ion: 45 Resp: 339140
Ion Ratio Lower Upper
45 100
43 59.6 44.8 67.2
87 22.4 18.9 28.3
59 10.9 7.9 11.9



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 110.430 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :

MSVOA_N

ClientSampleId :

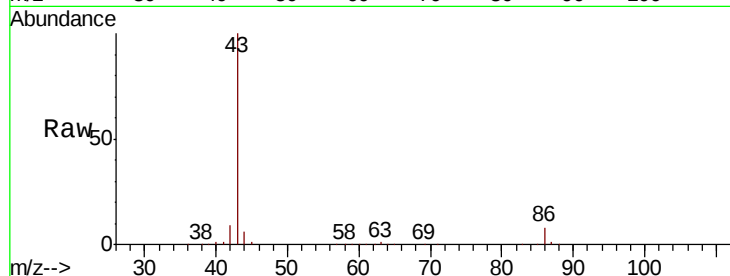
VN0413WBSD01

Tot Ion: 43 Resp: 1200054

Ion Ratio Lower Upper

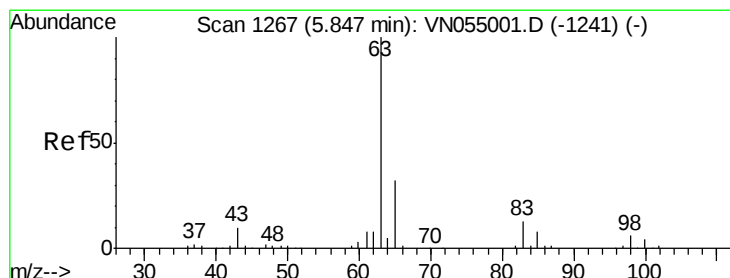
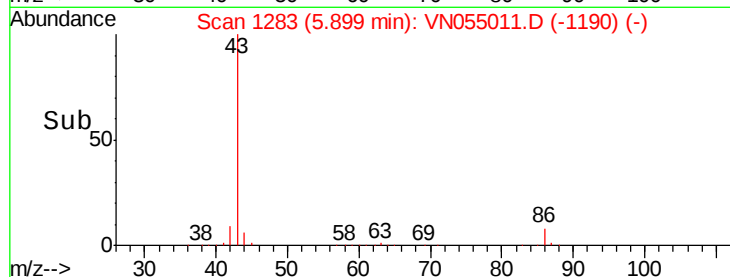
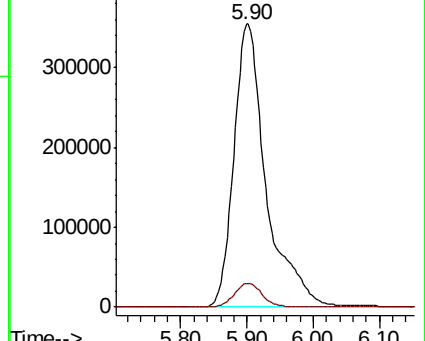
43 100

86 8.4 7.0 10.4



Abundance Ion 43.00 (42.70 to 43.70): VN055011.D (-1254) (-)

Ion 86.00 (85.70 to 86.70): VN055011.D (-1254) (-)



#24

1,1-Dichloroethane

Concen: 20.861 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

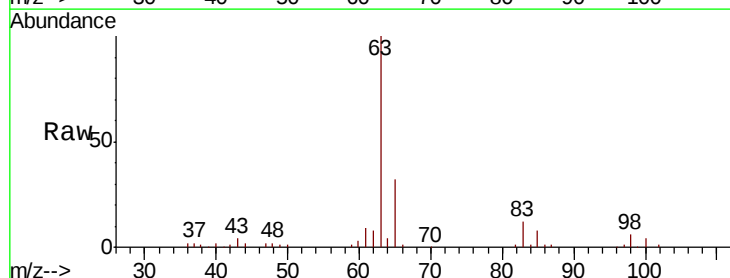
Tgt Ion: 63 Resp: 175053

Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

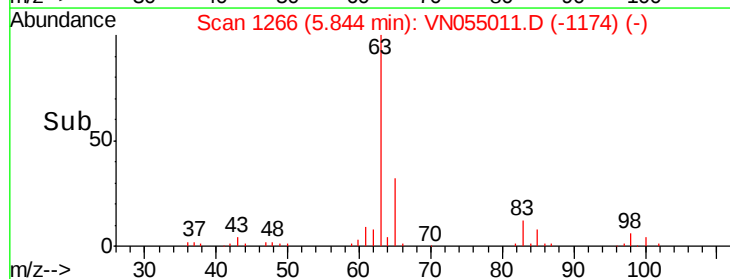
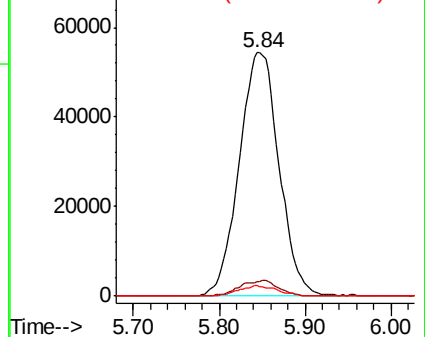
100 4.2 2.0 5.8

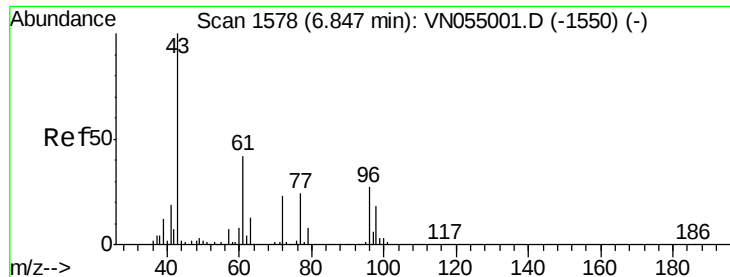


Abundance Ion 62.90 (62.60 to 63.60): VN055011.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN055011.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN055011.D (-1241) (-)





#25

2-Butanone

Concen: 113.399 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :

MSVOA_N

ClientSampleId :

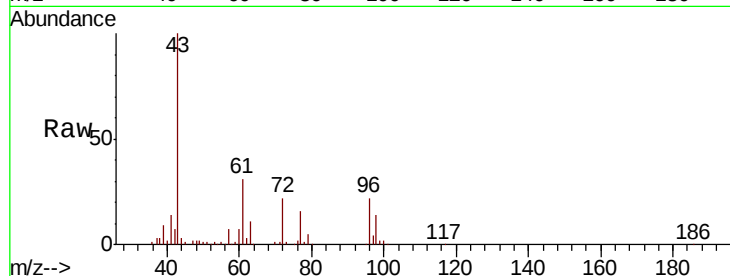
VN0413WBSD01

Tot Ion: 43 Resp: 244243

Ion Ratio Lower Upper

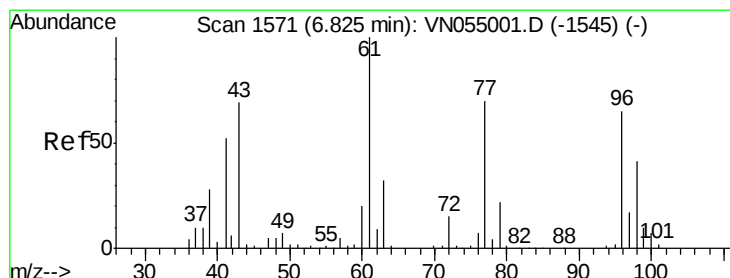
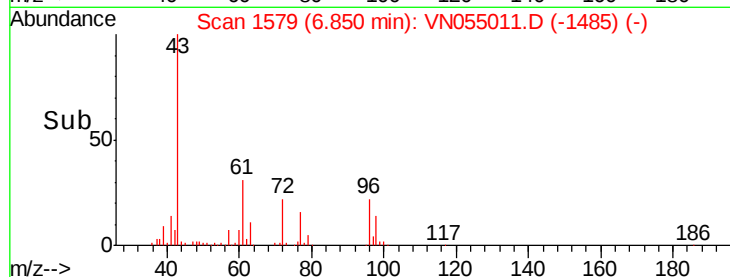
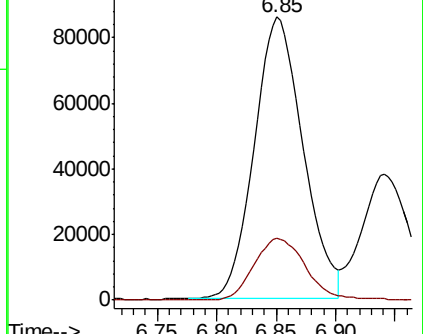
43 100

72 21.9 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 18.655 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN055011.D

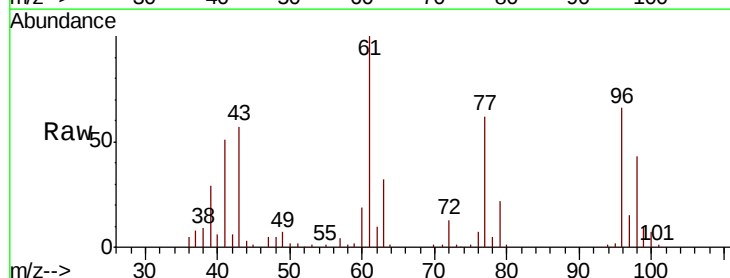
Acq: 12 Apr 2019 20:39

Tgt Ion: 77 Resp: 103568

Ion Ratio Lower Upper

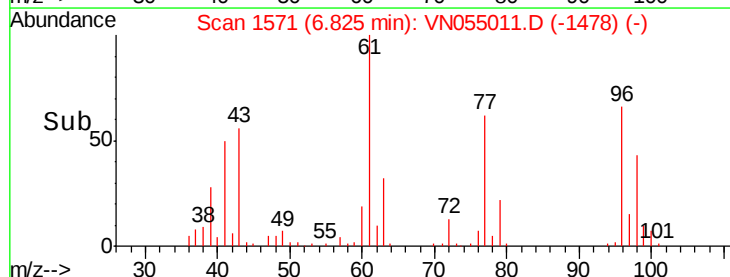
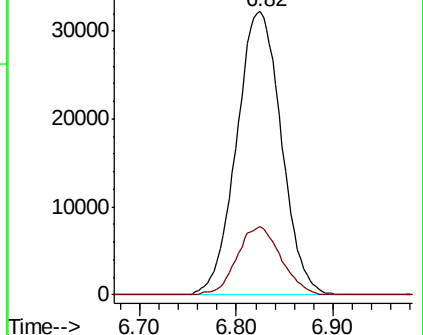
77 100

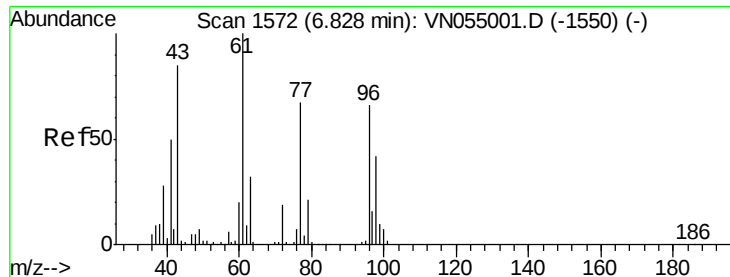
97 23.5 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 21.233 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :

MSVOA_N

ClientSampled :

VN0413WBSD01

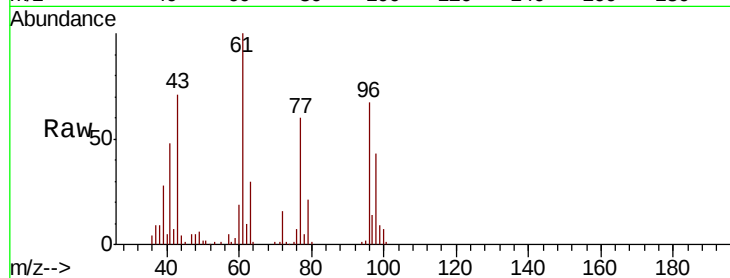
Tot Ion: 96 Resp: 101912

Ion Ratio Lower Upper

96 100

61 151.5 0.0 311.0

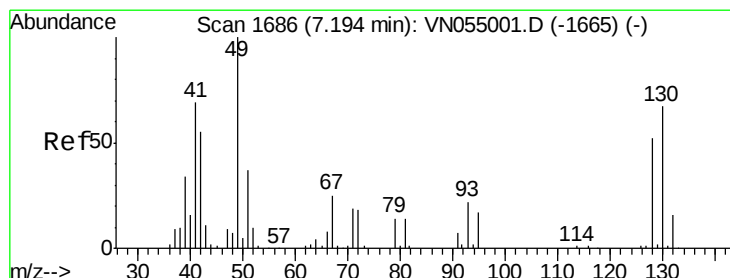
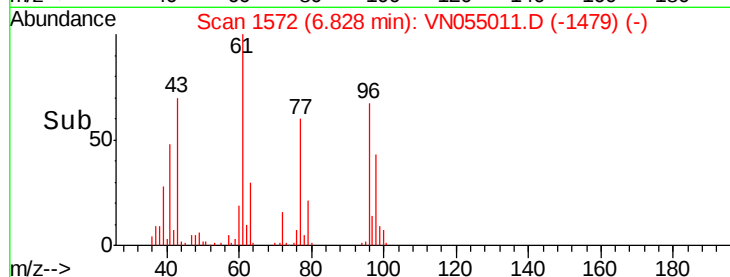
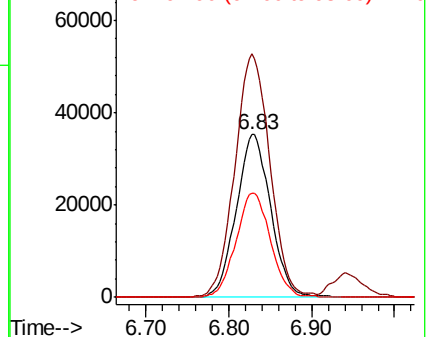
98 64.4 0.0 127.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 21.886 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

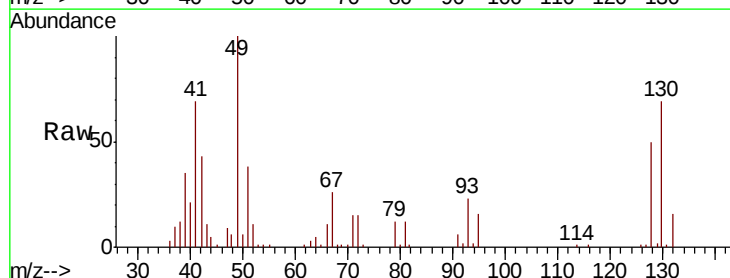
Tgt Ion: 49 Resp: 87137

Ion Ratio Lower Upper

49 100

129 1.6 0.0 2.0

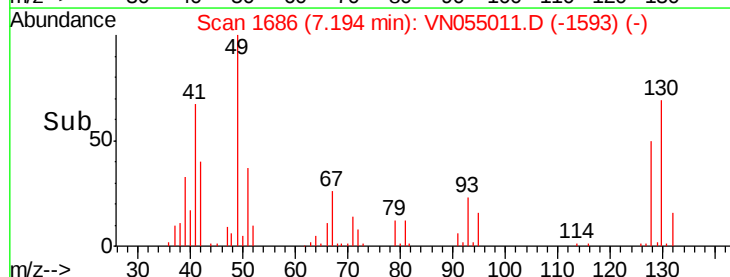
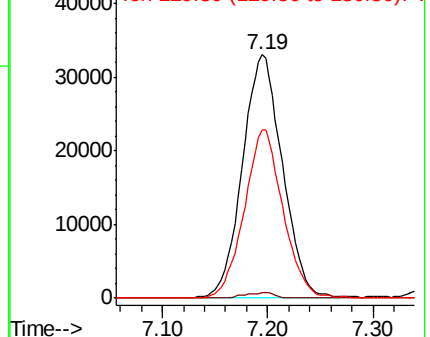
130 66.6 53.4 80.2

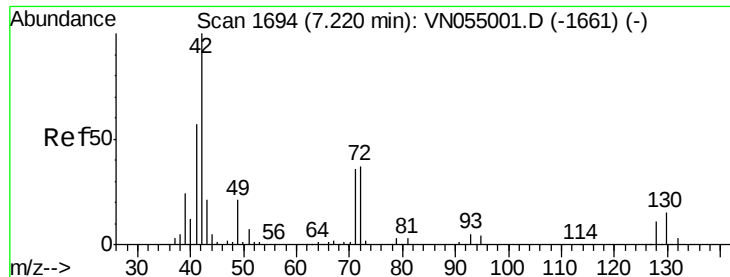


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

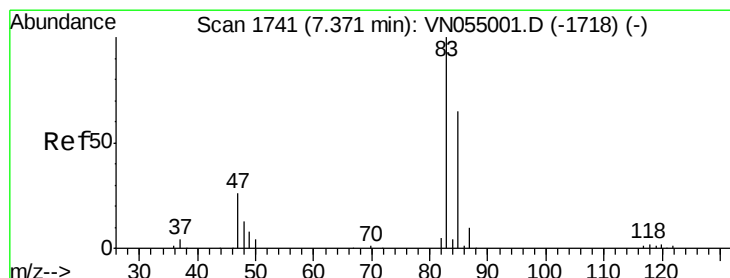
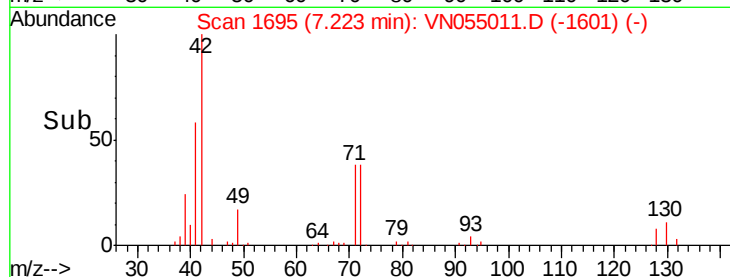
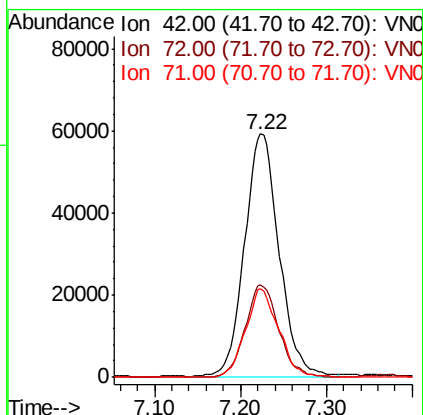
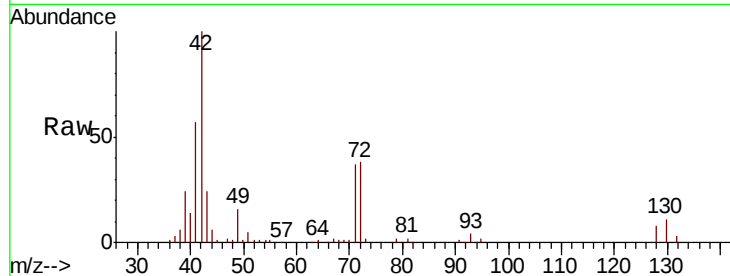




#29
Tetrahydrofuran
Concen: 116.495 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

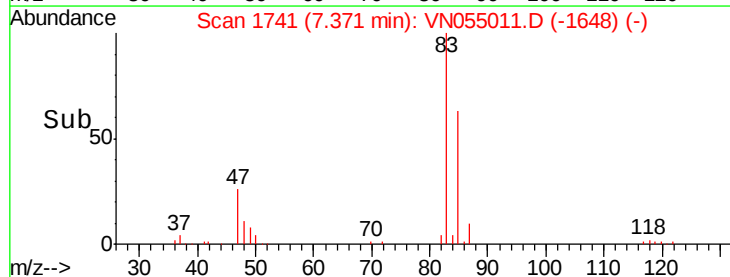
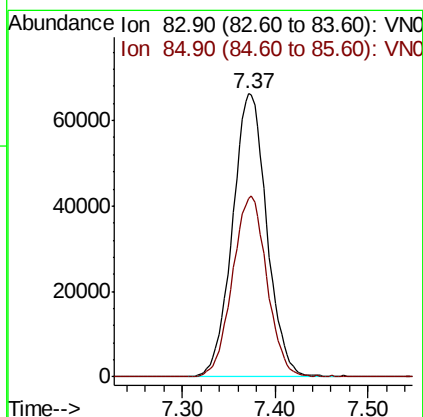
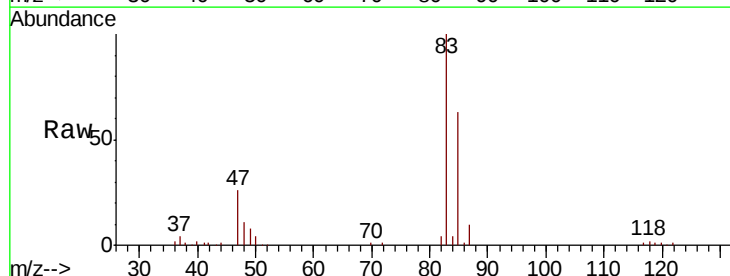
Instrument :
MSVOA_N
ClientSampleId :
VN0413WBSD01

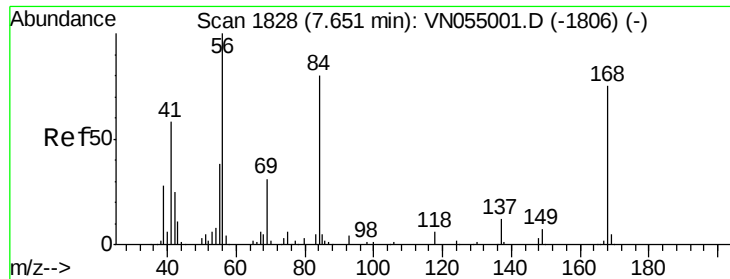
Tot Ion: 42 Resp: 164483
Ion Ratio Lower Upper
42 100
72 37.2 29.4 44.0
71 35.3 27.8 41.6



#30
Chloroform
Concen: 21.250 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

Tgt Ion: 83 Resp: 170045
Ion Ratio Lower Upper
83 100
85 63.0 51.8 77.6

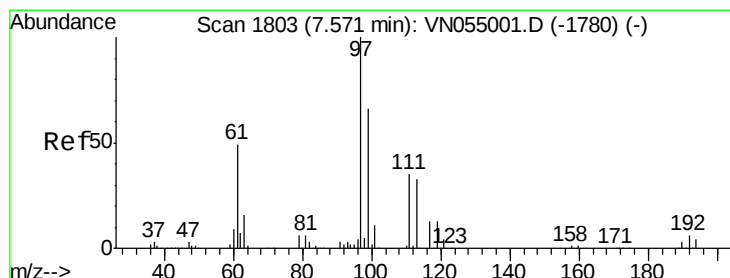
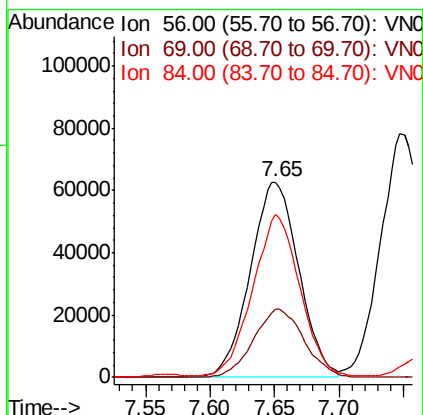
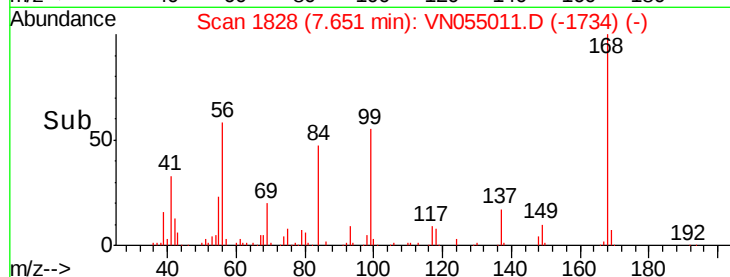
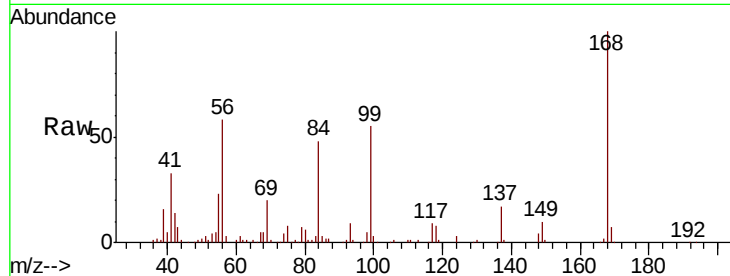




#31
Cyclohexane
Concen: 20.314 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

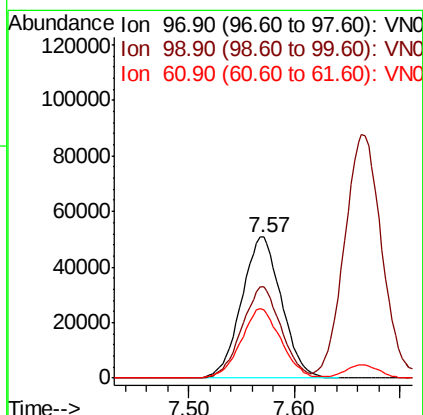
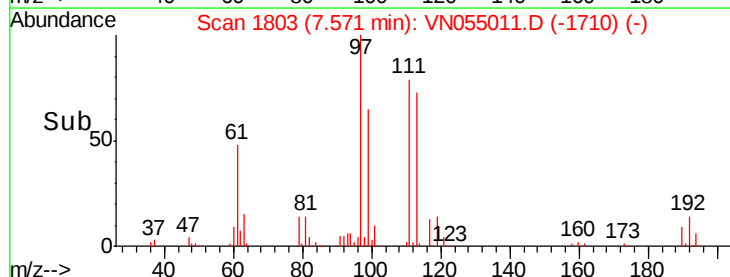
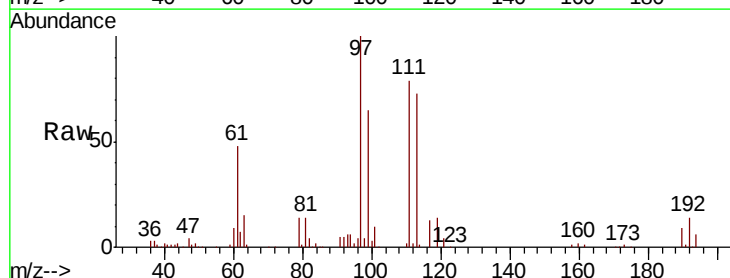
Instrument :
MSVOA_N
ClientSampled :
VN0413WBSD01

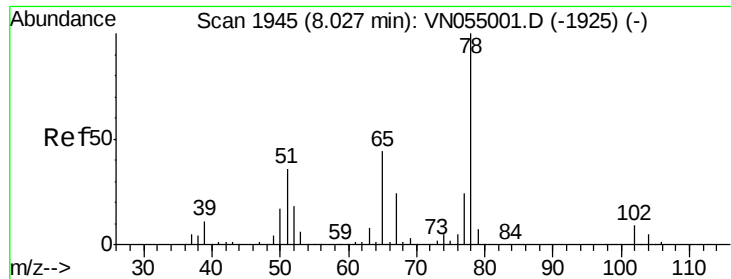
Tot Ion: 56 Resp: 163976
Ion Ratio Lower Upper
56 100
69 34.7 24.5 36.7
84 82.4 62.9 94.3



#32
1,1,1-Trichloroethane
Concen: 21.003 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

Tgt Ion: 97 Resp: 133891
Ion Ratio Lower Upper
97 100
99 63.5 51.6 77.4
61 48.8 38.3 57.5

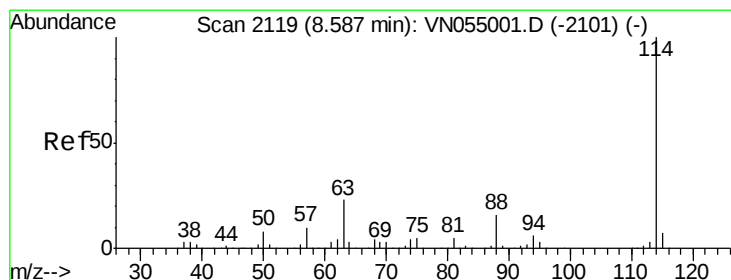
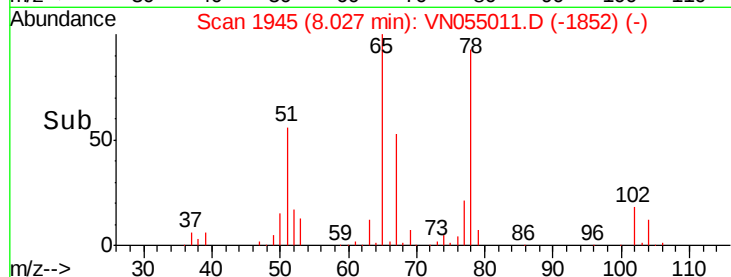
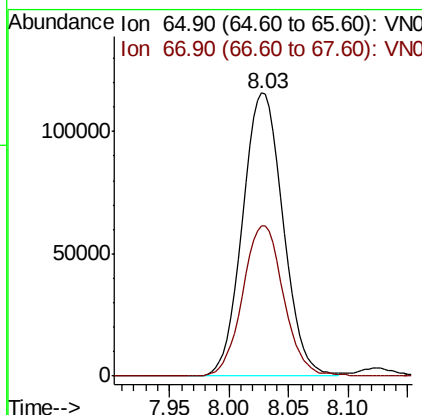
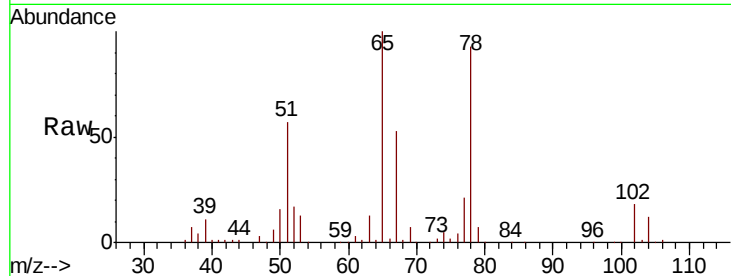




#33
 1,2-Dichloroethane-d4
 Concen: 53.689 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055011.D
 Acq: 12 Apr 2019 20:39

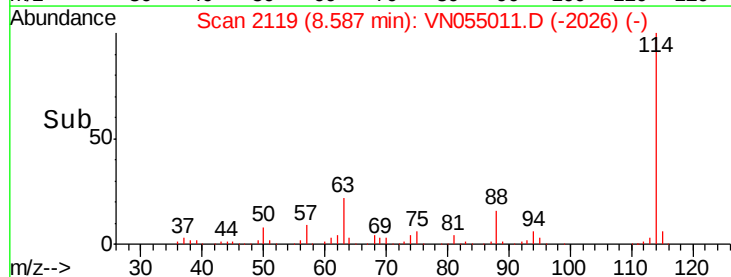
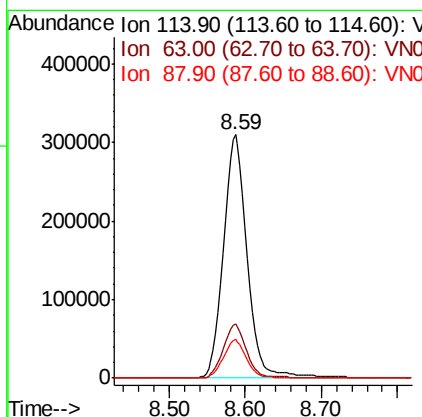
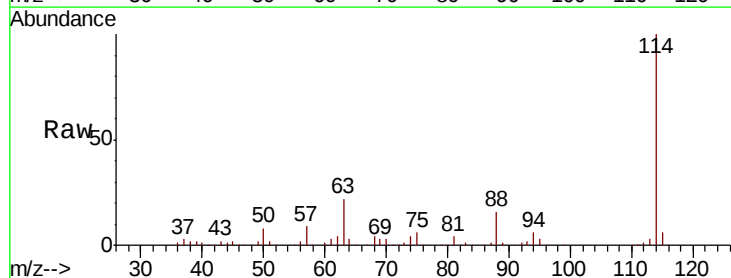
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBSD01

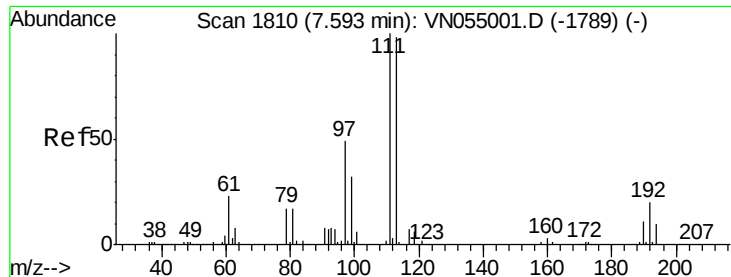
Tot Ion: 65 Resp: 273309
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055011.D
 Acq: 12 Apr 2019 20:39

Tgt Ion: 114 Resp: 671541
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 45.2
 88 15.8 0.0 31.8

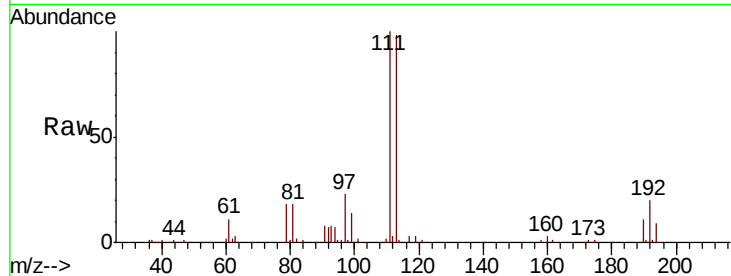




#35
 Dibromofluoromethane
 Concen: 50.536 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055011.D
 Acq: 12 Apr 2019 20:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.1	123.1
192	20.8	16.5	24.7

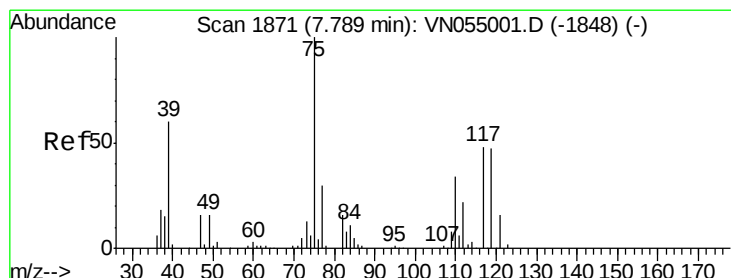
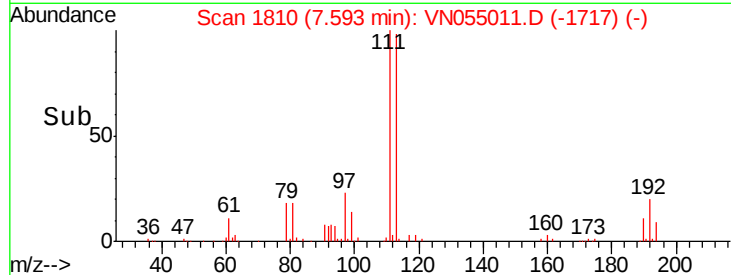
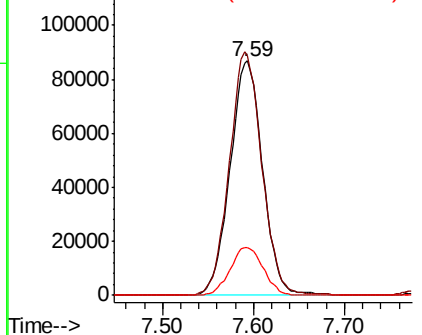


Abundance

Ion 112.80 (112.50 to 113.50): V

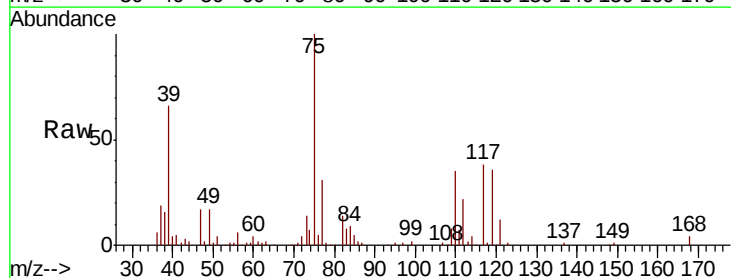
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 19.743 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055011.D
 Acq: 12 Apr 2019 20:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.5	17.5	52.5
77	31.6	24.9	37.3

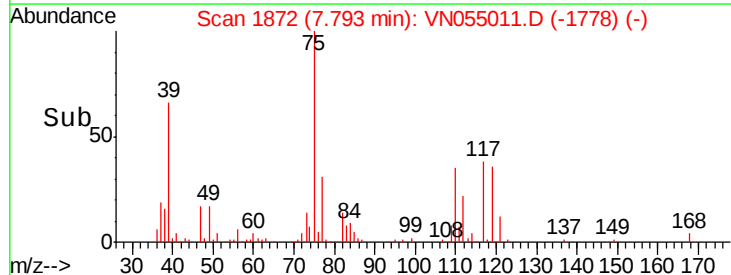
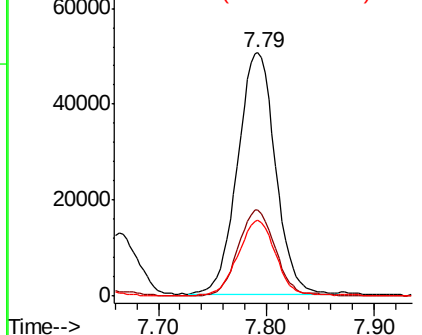


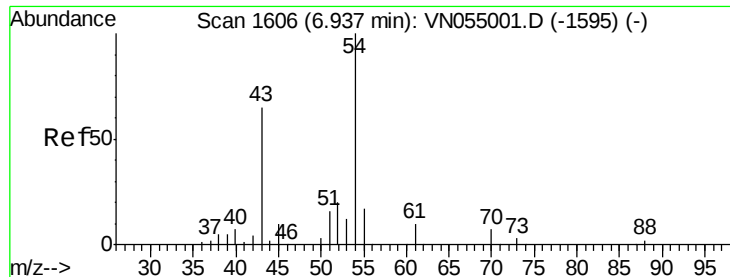
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

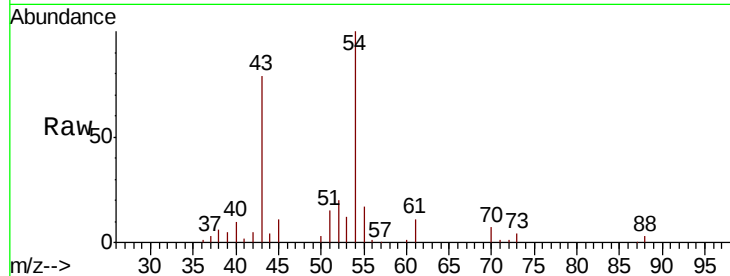




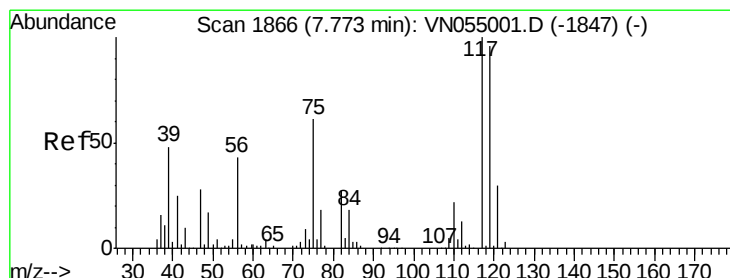
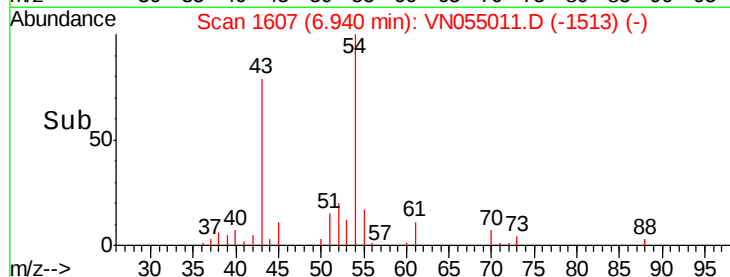
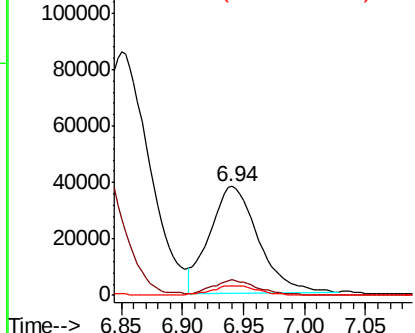
#37
Ethyl Acetate
Concen: 22.411 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBSD01

Tot Ion: 43 Resp: 104419
Ion Ratio Lower Upper
43 100
61 13.6 10.0 15.0
70 8.7 7.1 10.7

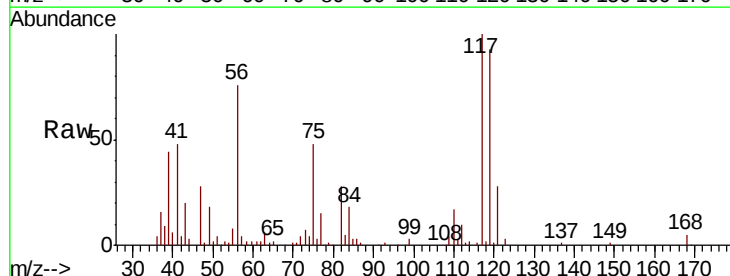


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

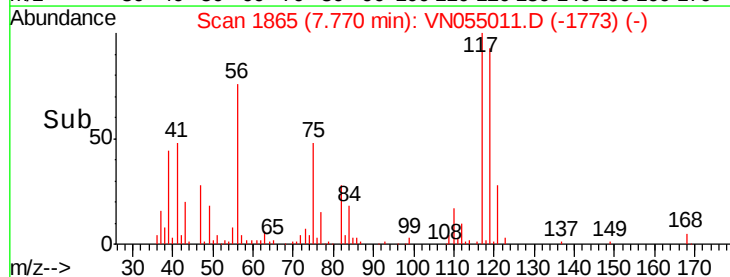
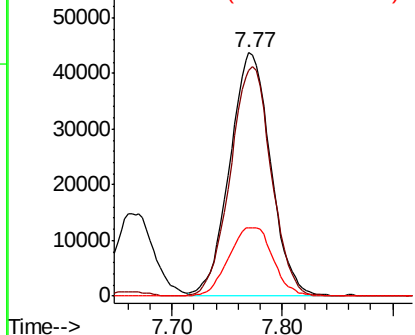


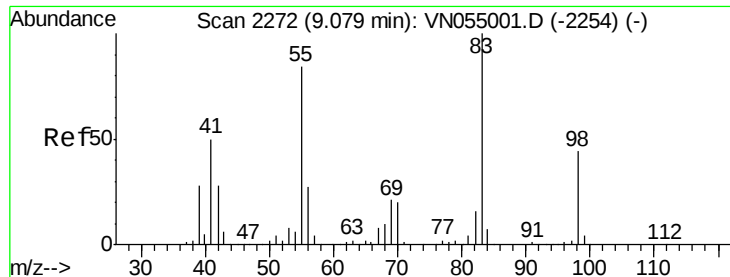
#38
Carbon Tetrachloride
Concen: 19.045 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

Tgt Ion: 117 Resp: 111264
Ion Ratio Lower Upper
117 100
119 93.2 76.3 114.5
121 28.3 23.9 35.9



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

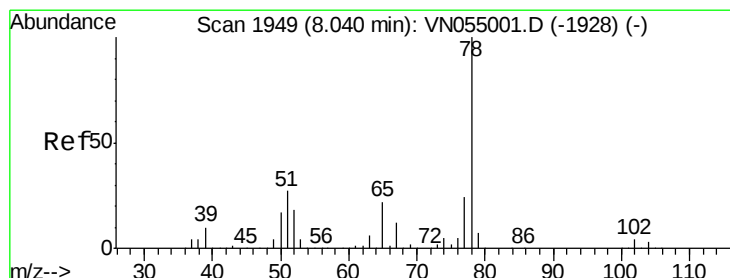
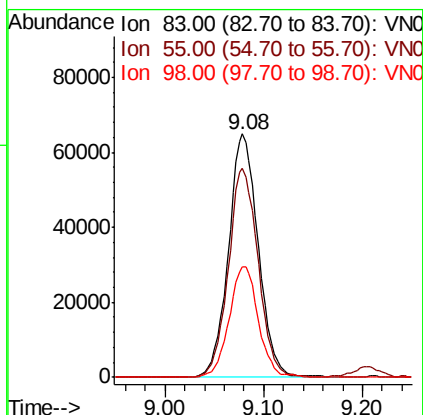
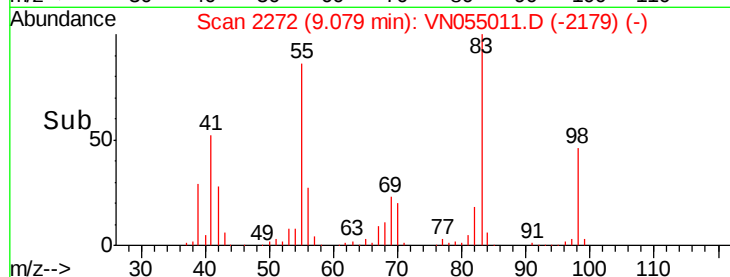
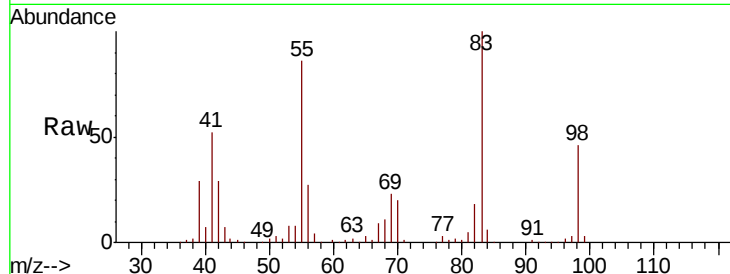




#39
Methvlcvclohexane
Concen: 19.231 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

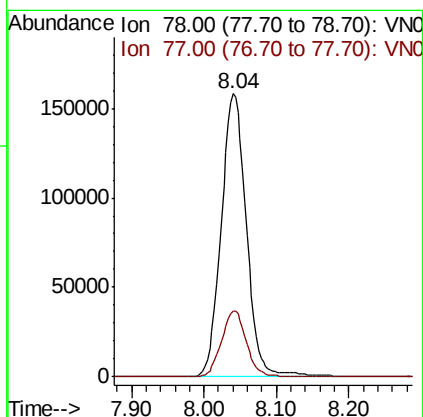
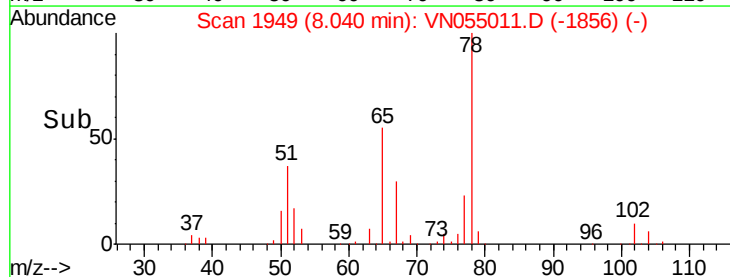
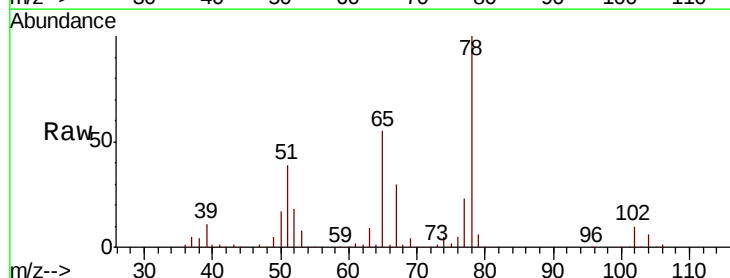
Instrument :
MSVOA_N
ClientSampleId :
VN0413WBSD01

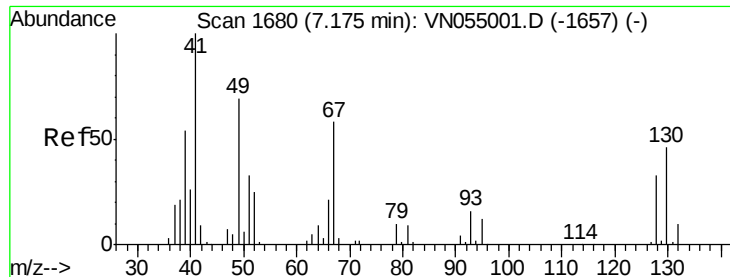
Tot Ion: 83 Resp: 136638
Ion Ratio Lower Upper
83 100
55 86.0 67.0 100.4
98 45.5 35.6 53.4



#40
Benzene
Concen: 20.387 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

Tgt Ion: 78 Resp: 382531
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2

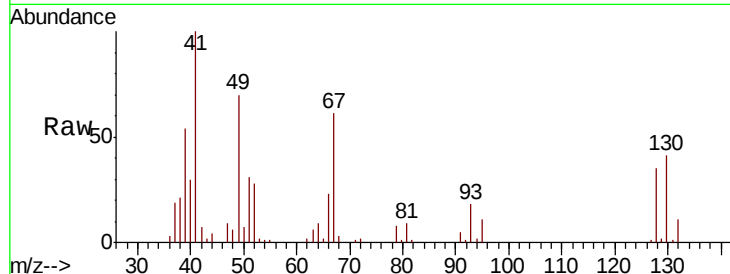




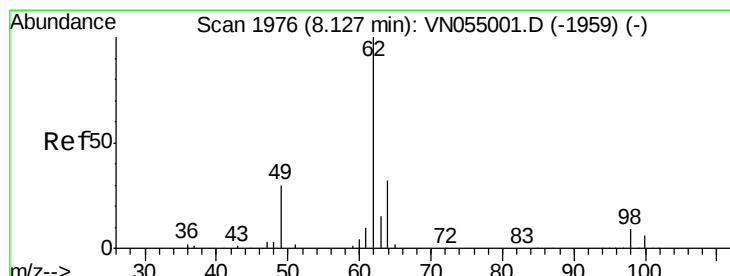
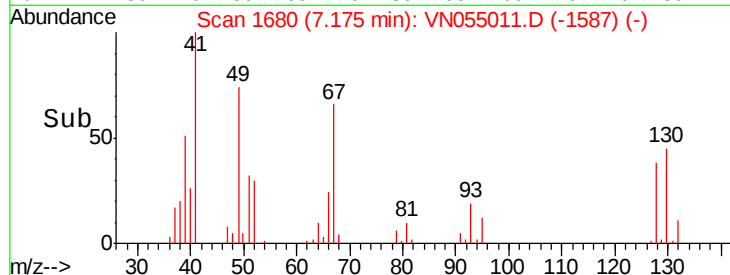
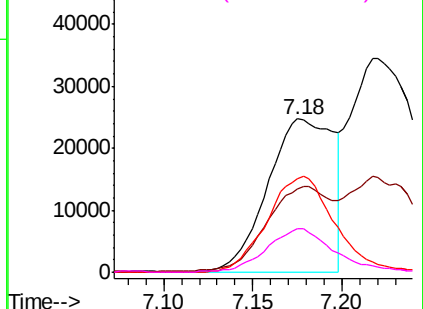
#41
Methacrylonitrile
Concen: 22.265 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

Instrument :
MSVOA_N
ClientSampled :
VN0413WBSD01

Tot Ion:	41	Resp:	63831
Ion	Ratio	Lower	Upper
41	100		
39	54.6	45.6	68.4
67	64.0	57.0	85.6
52	29.7	23.6	35.4

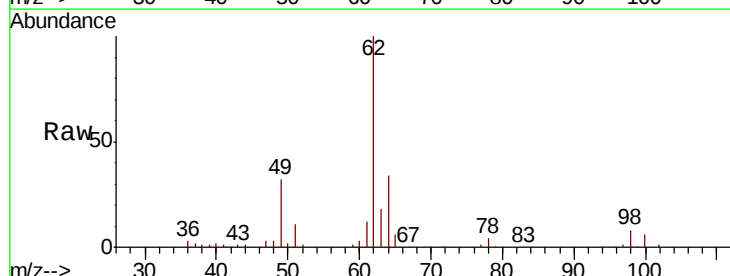


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

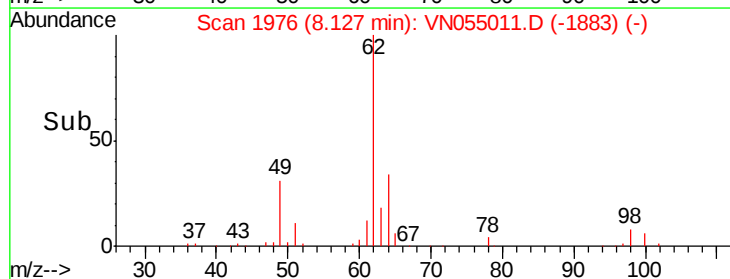
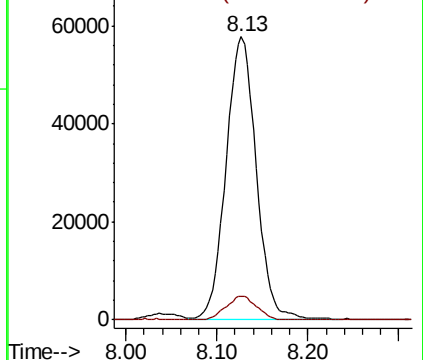


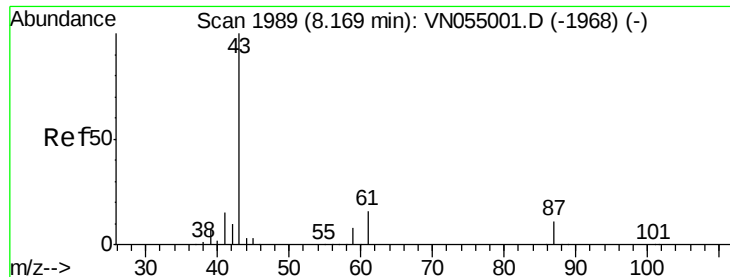
#42
1,2-Dichloroethane
Concen: 20.106 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

Tgt Ion:	62	Resp:	132719
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 21.668 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBSD01

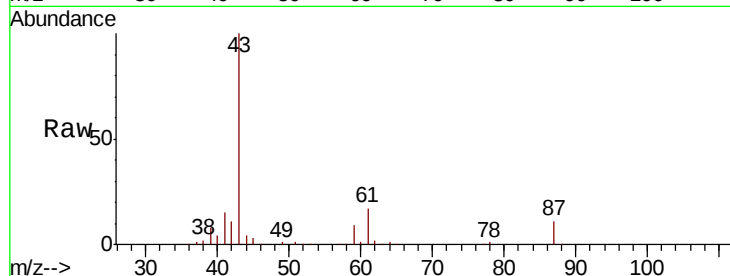
Tot Ion: 43 Resp: 172627

Ion Ratio Lower Upper

43 100

61 17.2 14.3 21.5

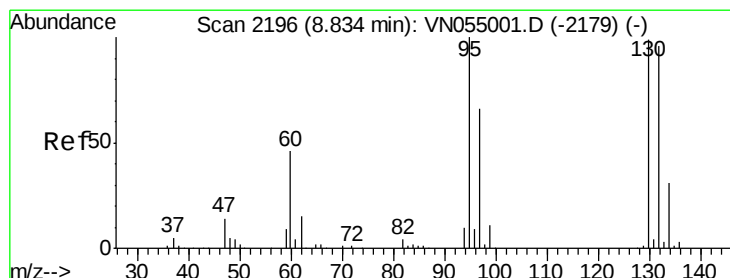
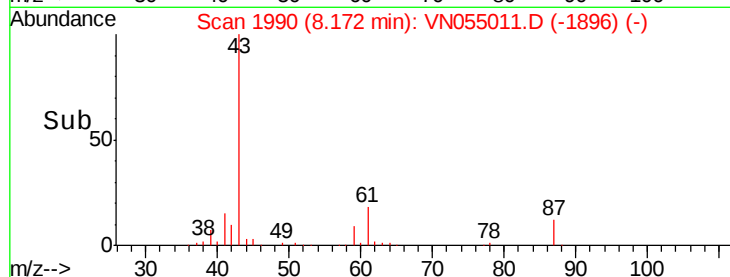
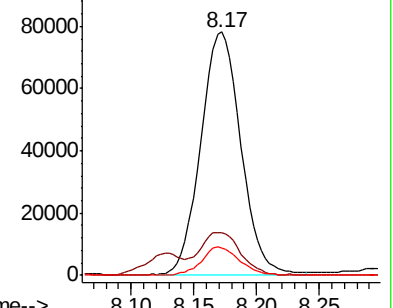
87 11.0 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN055001.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN055001.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN055001.D (-1968) (-)



#44

Trichloroethene

Concen: 20.038 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN055011.D

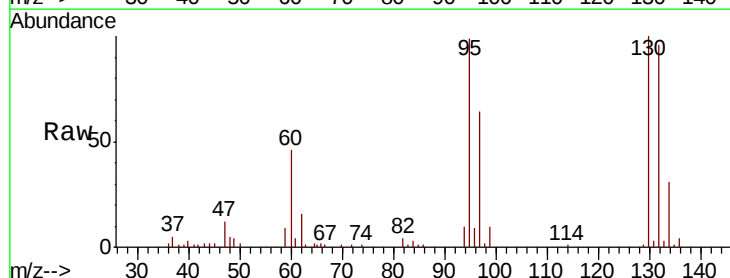
Acq: 12 Apr 2019 20:39

Tgt Ion:130 Resp: 96087

Ion Ratio Lower Upper

130 100

95 99.1 0.0 201.6



Abundance Ion 129.80 (129.50 to 130.50): VN055001.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055001.D (-2179) (-)

Ion 114.00 (113.70 to 114.30): VN055001.D (-2179) (-)

Ion 130.00 (129.70 to 130.30): VN055001.D (-2179) (-)

Ion 147.00 (146.70 to 147.30): VN055001.D (-2179) (-)

Ion 162.00 (161.70 to 162.30): VN055001.D (-2179) (-)

Ion 177.00 (176.70 to 177.30): VN055001.D (-2179) (-)

Ion 192.00 (191.70 to 192.30): VN055001.D (-2179) (-)

Ion 207.00 (206.70 to 207.30): VN055001.D (-2179) (-)

Ion 222.00 (221.70 to 222.30): VN055001.D (-2179) (-)

Ion 237.00 (236.70 to 237.30): VN055001.D (-2179) (-)

Ion 252.00 (251.70 to 252.30): VN055001.D (-2179) (-)

Ion 267.00 (266.70 to 267.30): VN055001.D (-2179) (-)

Ion 282.00 (281.70 to 282.30): VN055001.D (-2179) (-)

Ion 297.00 (296.70 to 297.30): VN055001.D (-2179) (-)

Ion 312.00 (311.70 to 312.30): VN055001.D (-2179) (-)

Ion 327.00 (326.70 to 327.30): VN055001.D (-2179) (-)

Ion 342.00 (341.70 to 342.30): VN055001.D (-2179) (-)

Ion 357.00 (356.70 to 357.30): VN055001.D (-2179) (-)

Ion 372.00 (371.70 to 372.30): VN055001.D (-2179) (-)

Ion 387.00 (386.70 to 387.30): VN055001.D (-2179) (-)

Ion 402.00 (401.70 to 402.30): VN055001.D (-2179) (-)

Ion 417.00 (416.70 to 417.30): VN055001.D (-2179) (-)

Ion 432.00 (431.70 to 432.30): VN055001.D (-2179) (-)

Ion 447.00 (446.70 to 447.30): VN055001.D (-2179) (-)

Ion 462.00 (461.70 to 462.30): VN055001.D (-2179) (-)

Ion 477.00 (476.70 to 477.30): VN055001.D (-2179) (-)

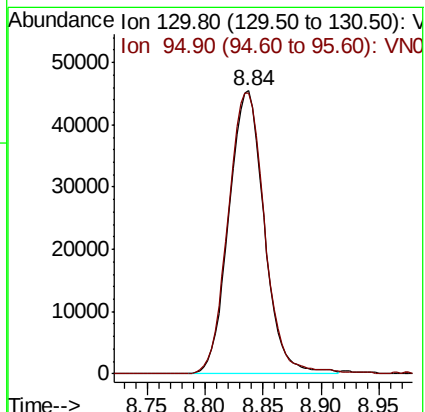
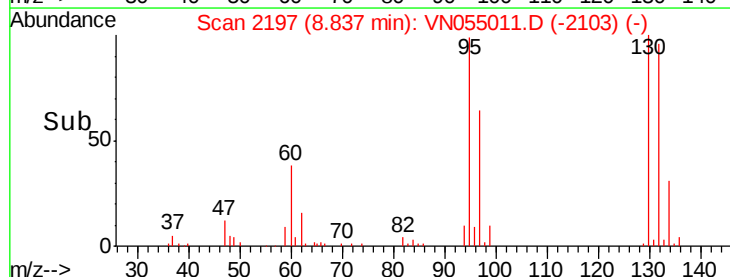
Ion 492.00 (491.70 to 492.30): VN055001.D (-2179) (-)

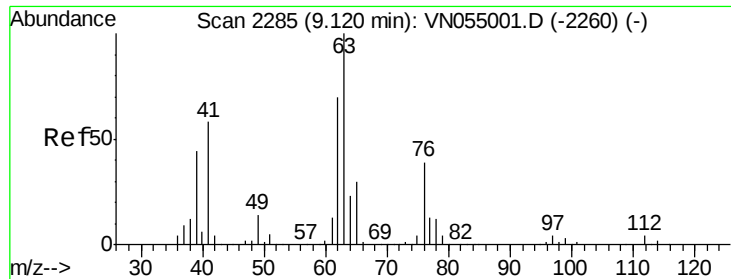
Ion 507.00 (506.70 to 507.30): VN055001.D (-2179) (-)

Ion 522.00 (521.70 to 522.30): VN055001.D (-2179) (-)

Ion 537.00 (536.70 to 537.30): VN055001.D (-2179) (-)

Ion 552.00 (551.70 to 552.30): VN055001.D (-2179) (-)

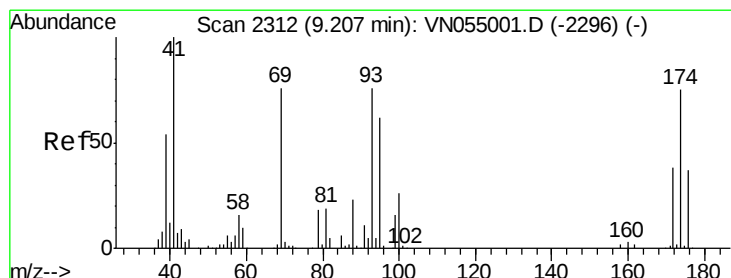
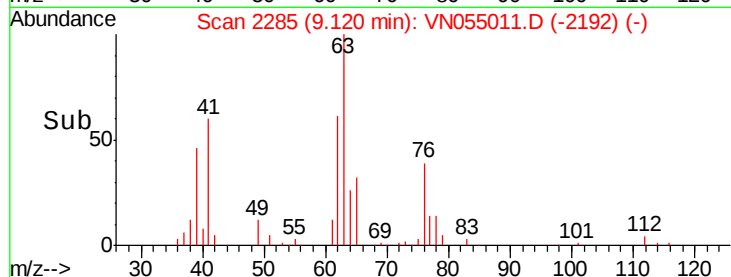
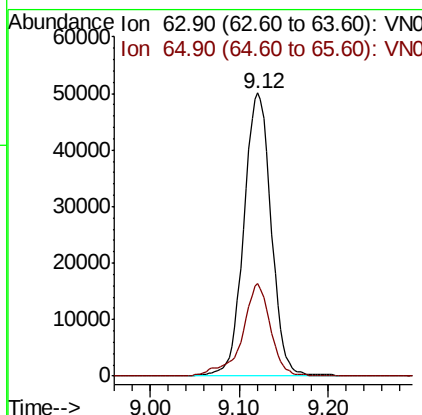
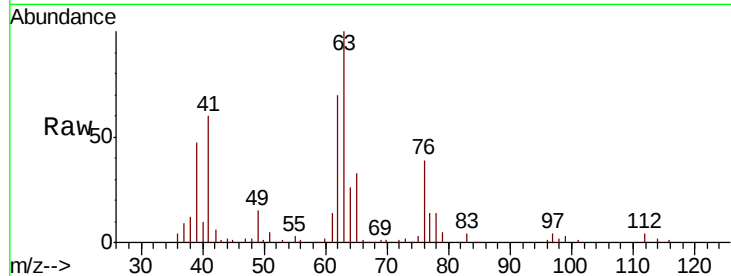




#45
 1,2-Dichloropropane
 Concen: 20.118 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055011.D
 Acq: 12 Apr 2019 20:39

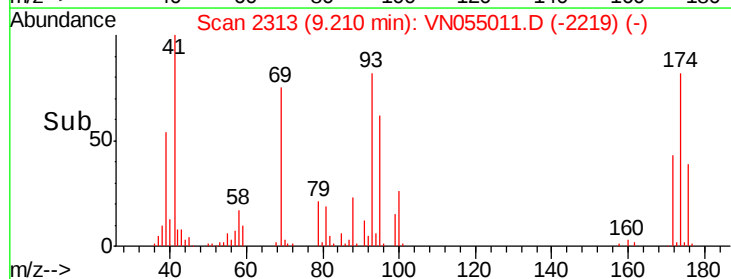
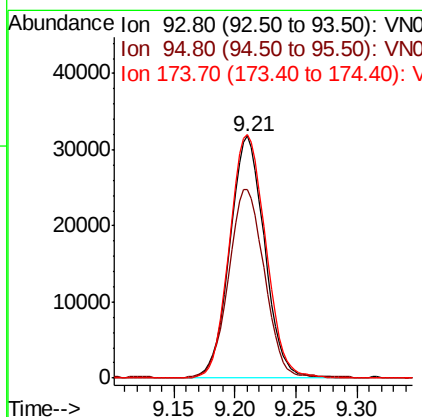
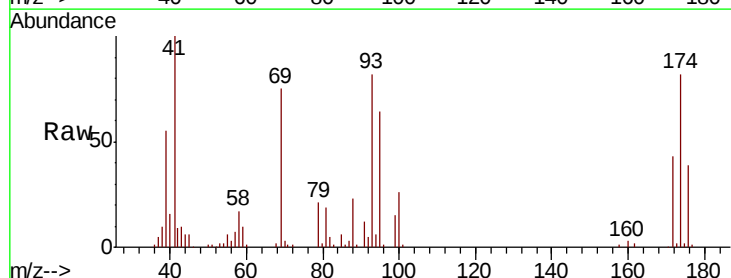
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBSD01

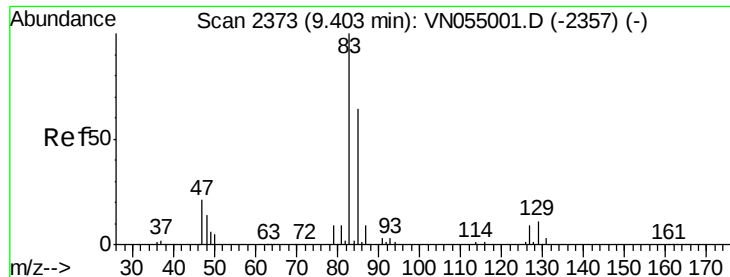
Tot Ion: 63 Resp: 106530
 Ion Ratio Lower Upper
 63 100
 65 32.6 24.4 36.6



#46
 Dibromomethane
 Concen: 20.739 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055011.D
 Acq: 12 Apr 2019 20:39

Tgt Ion: 93 Resp: 62923
 Ion Ratio Lower Upper
 93 100
 95 81.0 65.0 97.6
 174 104.8 81.0 121.6





#47

Bromodichloromethane

Concen: 20.129 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBSD01

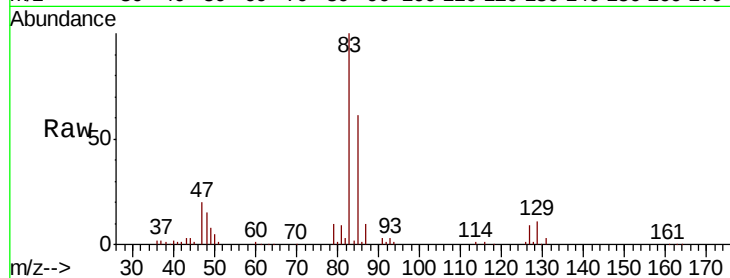
Tot Ion: 83 Resp: 124195

Ion Ratio Lower Upper

83 100

85 61.1 51.2 76.8

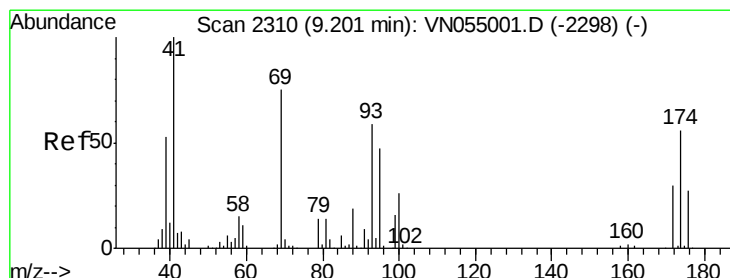
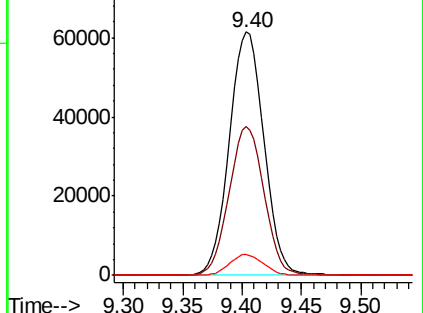
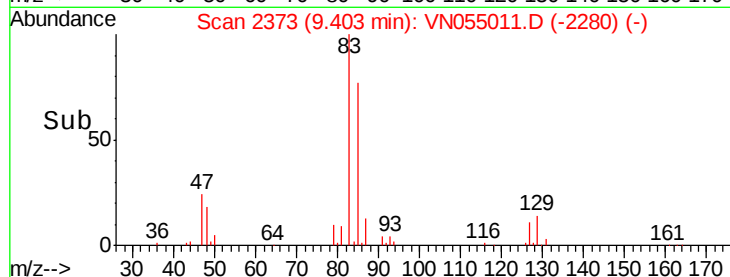
127 8.6 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 21.212 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

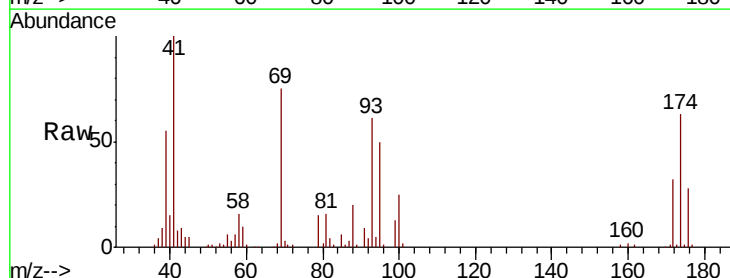
Tgt Ion: 41 Resp: 87056

Ion Ratio Lower Upper

41 100

69 77.9 60.5 90.7

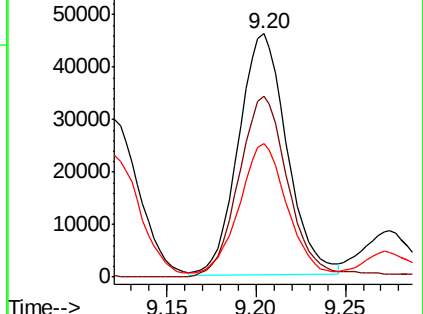
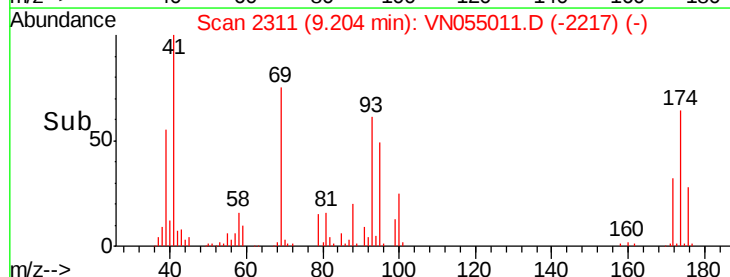
39 53.8 43.9 65.9

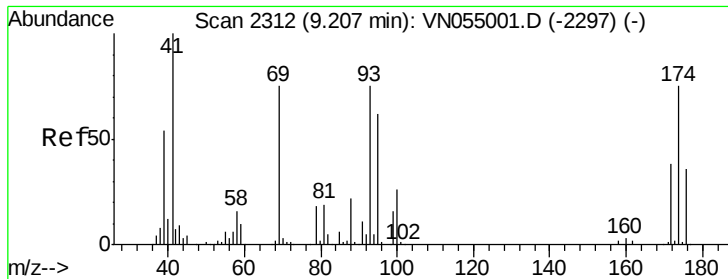


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 455.577 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBSD01

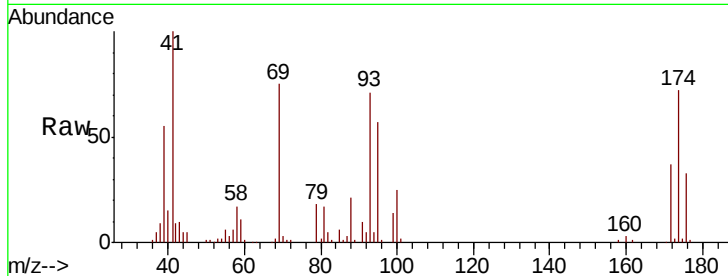
Tot Ion: 88 Resp: 20108

Ion Ratio Lower Upper

88 100

43 38.1 31.8 47.8

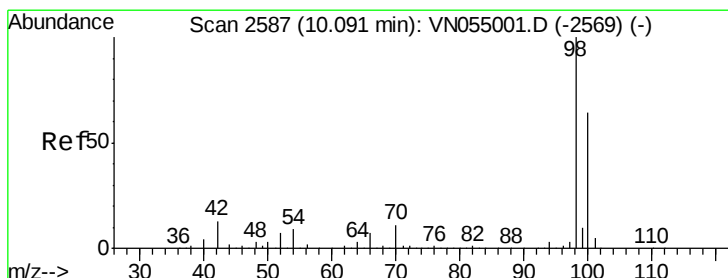
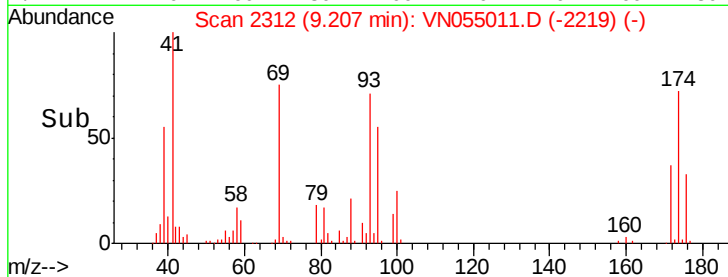
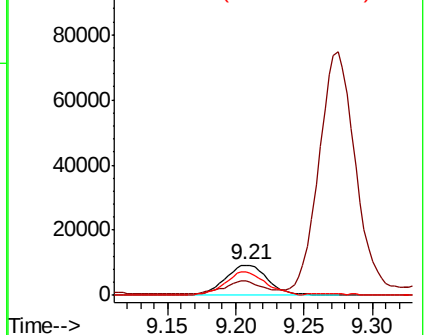
58 74.6 61.6 92.4



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.828 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055011.D

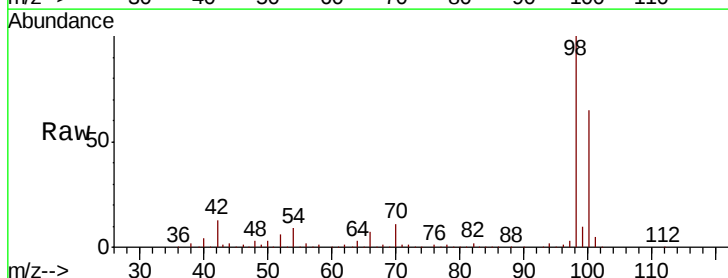
Acq: 12 Apr 2019 20:39

Tgt Ion: 98 Resp: 783461

Ion Ratio Lower Upper

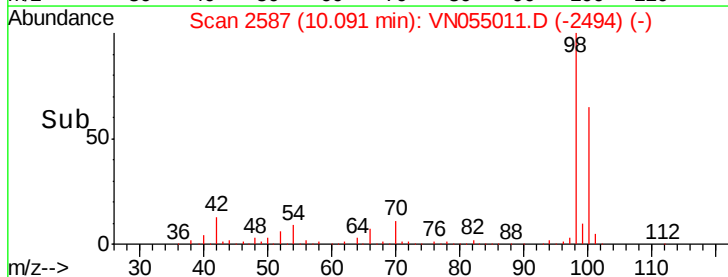
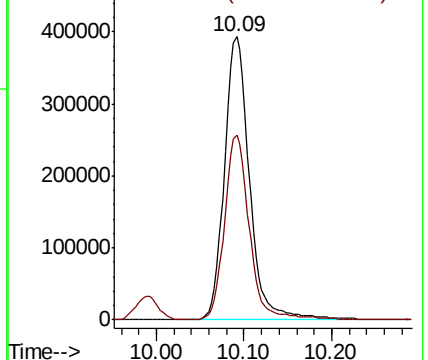
98 100

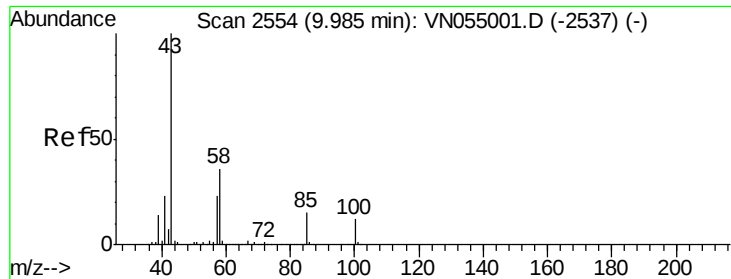
100 63.8 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

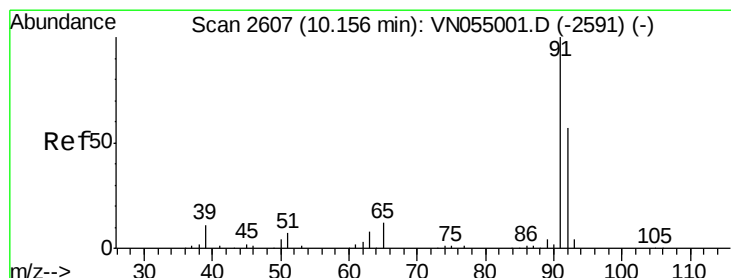
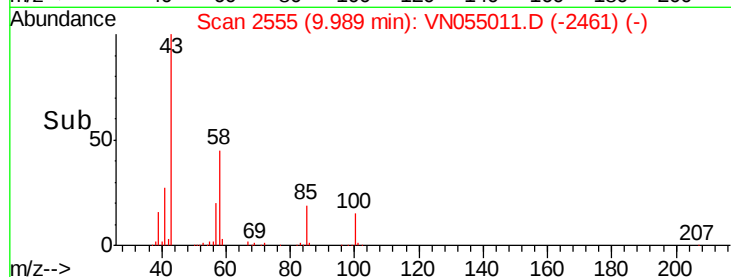
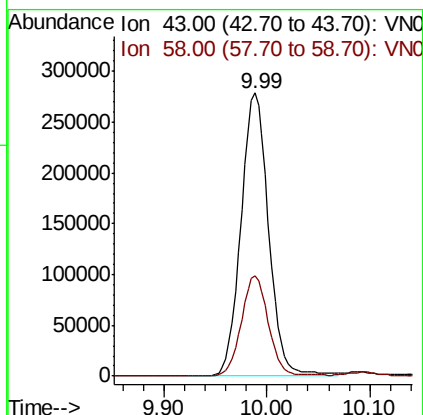
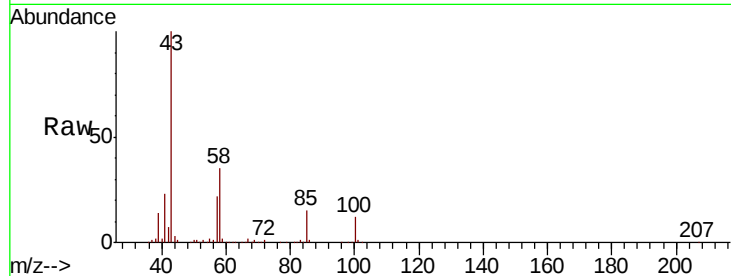




#51
 4-Methyl-2-Pentanone
 Concen: 110.953 ug/l
 RT: 9.99 min Scan# 2555
 Delta R.T. 0.00 min
 Lab File: VN055011.D
 Acq: 12 Apr 2019 20:39

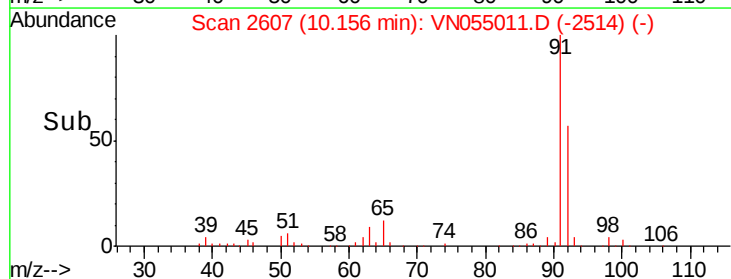
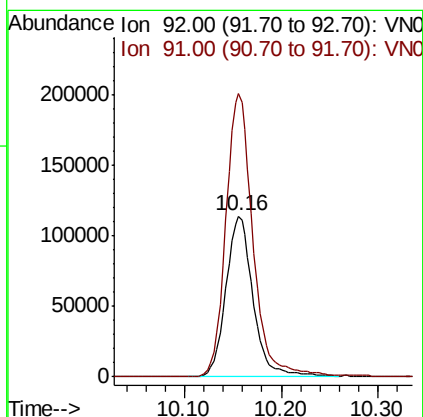
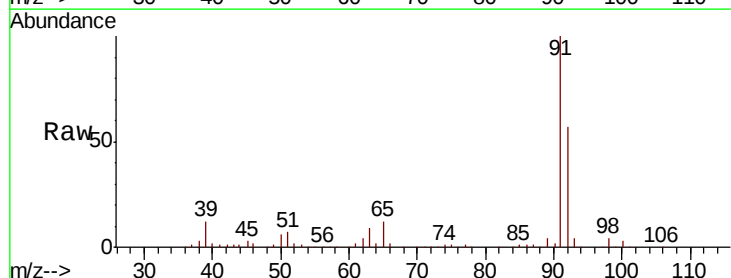
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBSD01

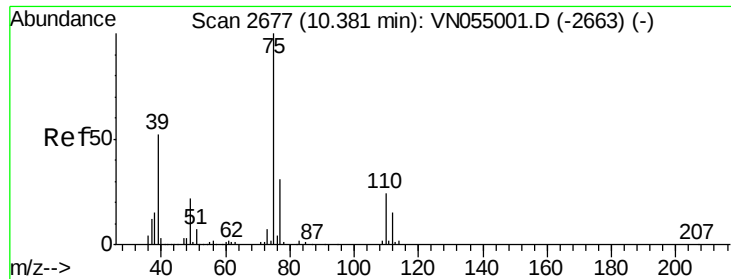
Tot Ion: 43 Resp: 517575
 Ion Ratio Lower Upper
 43 100
 58 34.7 29.0 43.4



#52
 Toluene
 Concen: 20.125 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN055011.D
 Acq: 12 Apr 2019 20:39

Tgt Ion: 92 Resp: 223332
 Ion Ratio Lower Upper
 92 100
 91 176.2 140.8 211.2





#53

t-1,3-Dichloropropene

Concen: 19.409 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :

MSVOA_N

ClientSampleId :

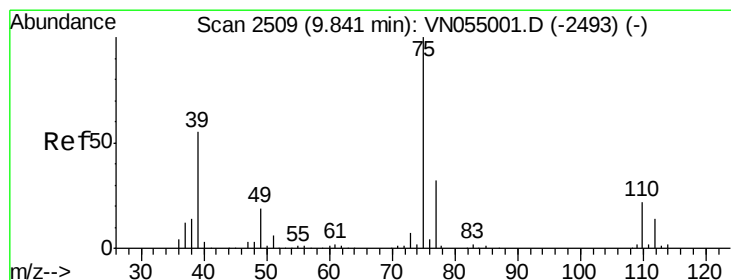
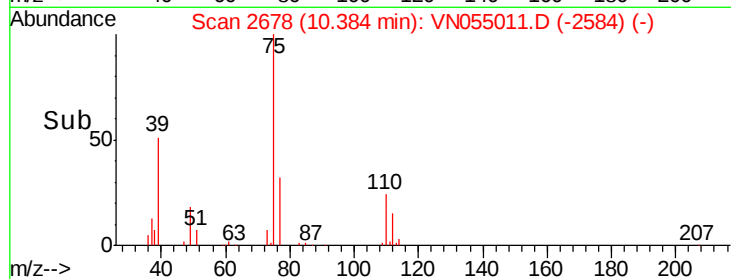
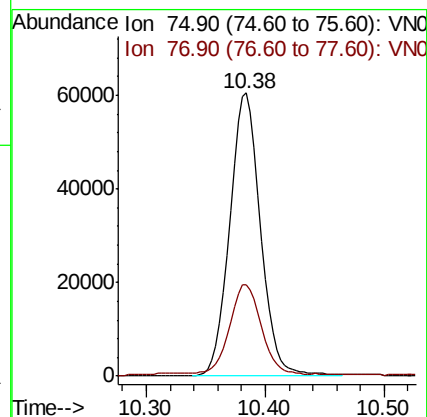
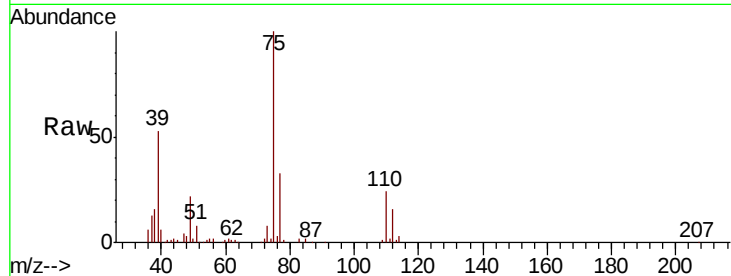
VN0413WBSD01

Tot Ion: 75 Resp: 108440

Ion Ratio Lower Upper

75 100

77 31.7 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 20.153 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

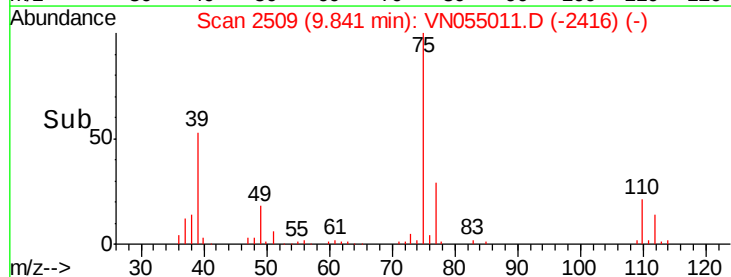
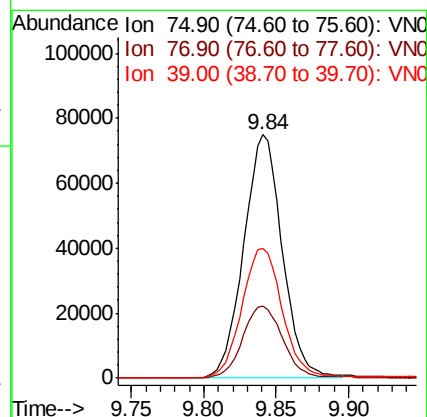
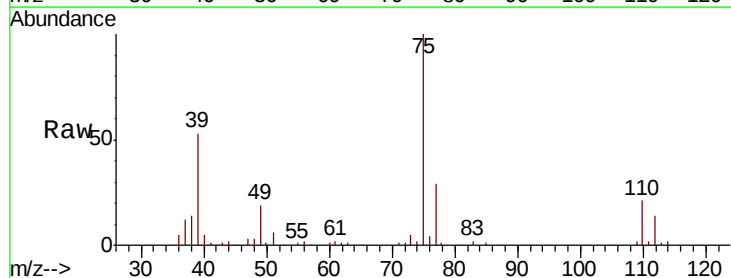
Tgt Ion: 75 Resp: 138702

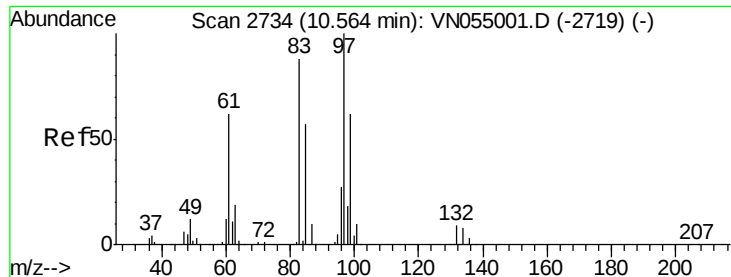
Ion Ratio Lower Upper

75 100

77 29.4 25.8 38.6

39 53.1 43.8 65.8





#55

1,1,2-Trichloroethane

Concen: 21.058 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBSD01

Tot Ion: 97 Resp: 87053

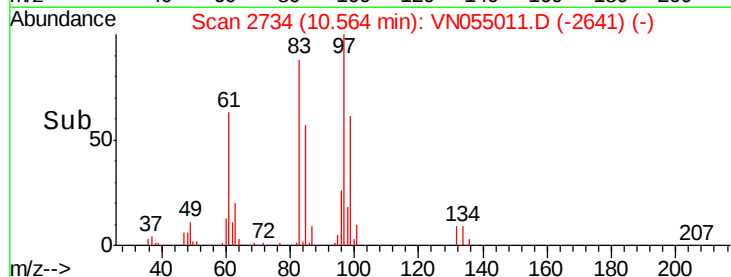
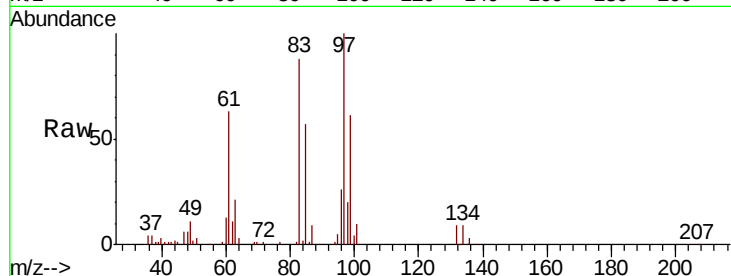
Ion	Ratio	Lower	Upper
97	100		
83	87.7	70.5	105.7
85	57.1	45.5	68.3
99	60.5	49.4	74.0

97 100

83 87.7 70.5 105.7

85 57.1 45.5 68.3

99 60.5 49.4 74.0



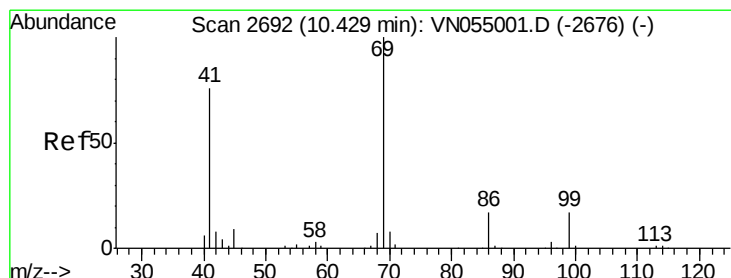
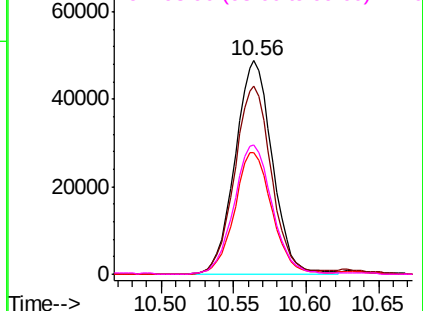
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.945 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

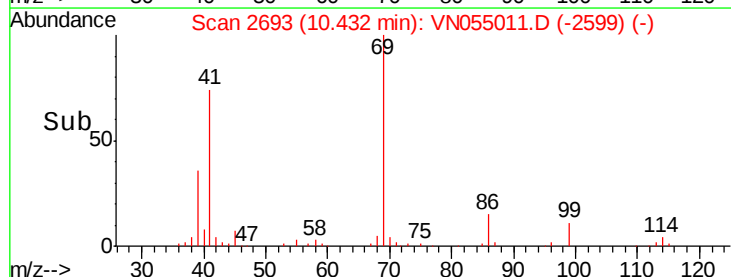
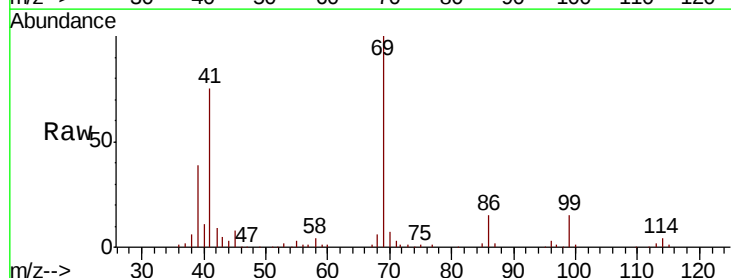
Tgt Ion: 69 Resp: 111417

Ion	Ratio	Lower	Upper
69	100		
41	76.1	61.4	92.0
39	38.3	30.8	46.2

69 100

41 76.1 61.4 92.0

39 38.3 30.8 46.2

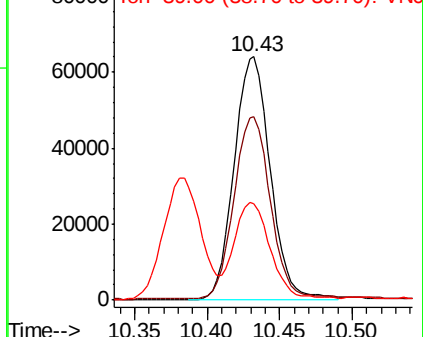


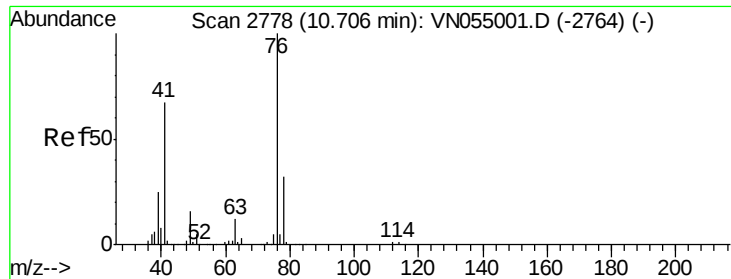
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 21.162 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :

MSVOA_N

ClientSampleId :

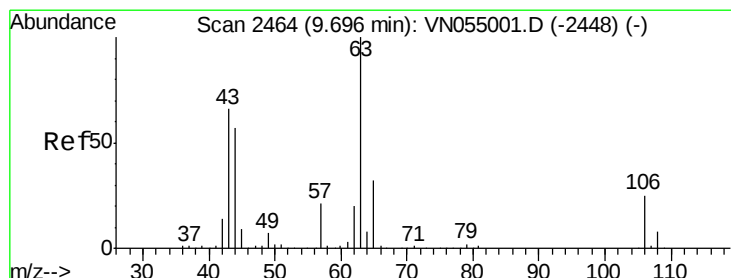
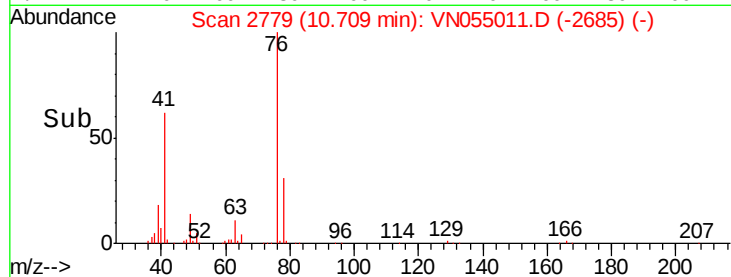
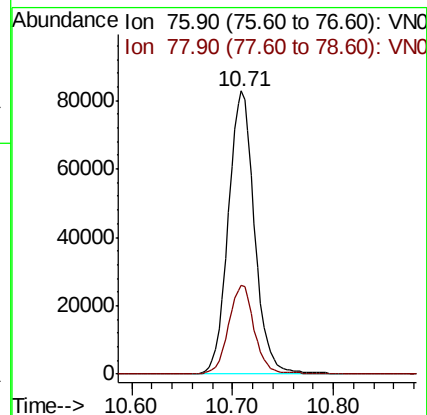
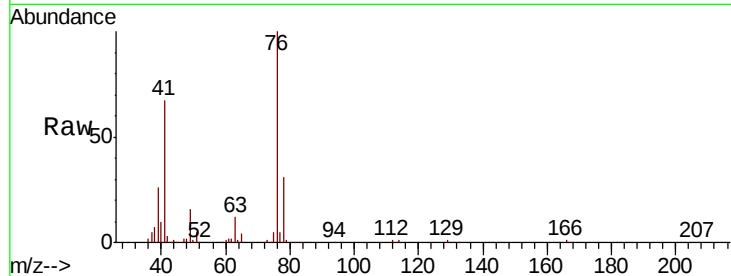
VN0413WBSD01

Tot Ion: 76 Resp: 150911

Ion Ratio Lower Upper

76 100

78 31.1 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 102.831 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055011.D

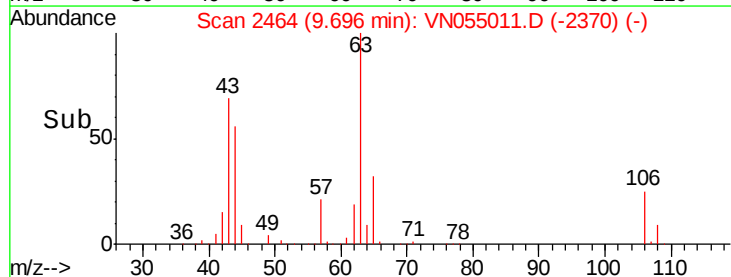
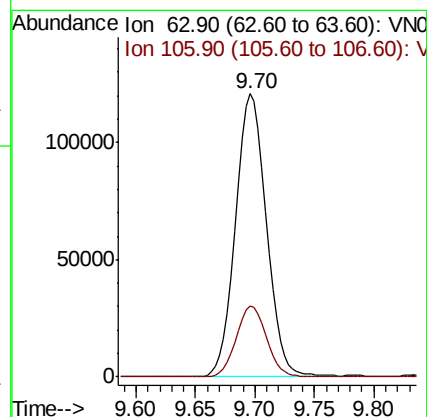
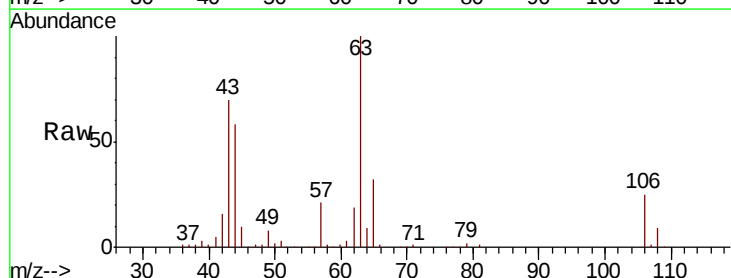
Acq: 12 Apr 2019 20:39

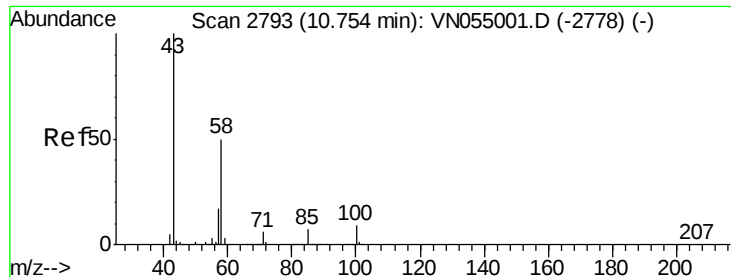
Tgt Ion: 63 Resp: 218159

Ion Ratio Lower Upper

63 100

106 24.6 20.0 30.0

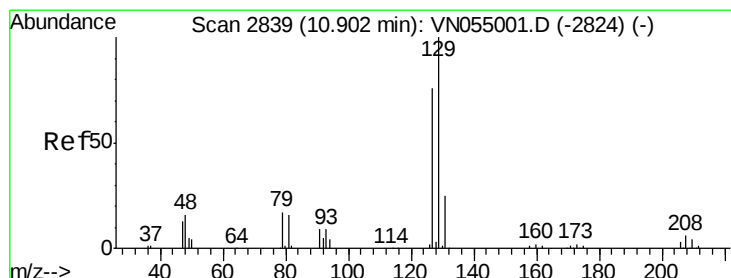
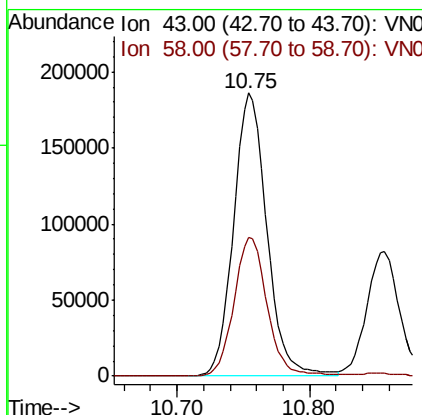
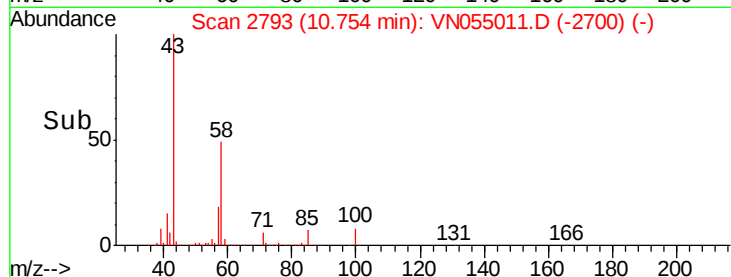
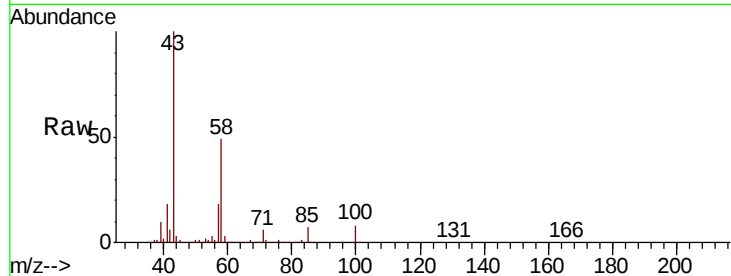




#59
2-Hexanone
Concen: 110.589 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

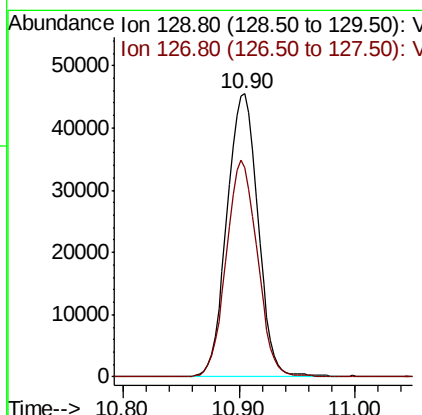
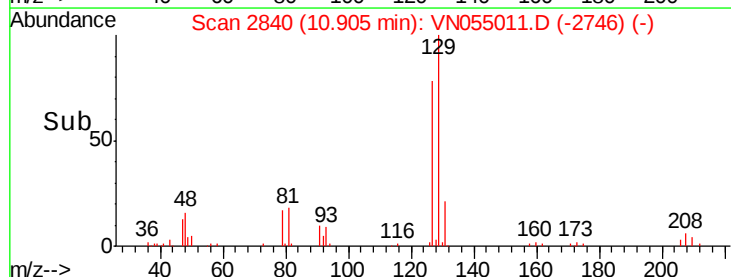
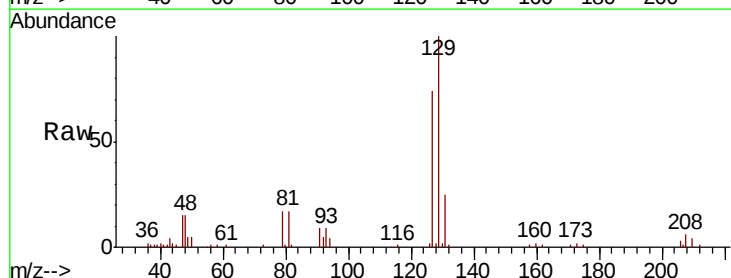
Instrument :
MSVOA_N
ClientSampleId :
VN0413WBSD01

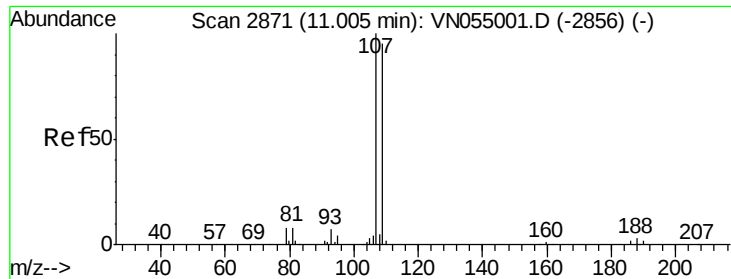
Tot Ion: 43 Resp: 322370
Ion Ratio Lower Upper
43 100
58 49.2 25.1 75.2



#60
Dibromochloromethane
Concen: 20.471 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

Tgt Ion: 129 Resp: 84234
Ion Ratio Lower Upper
129 100
127 76.6 38.2 114.6

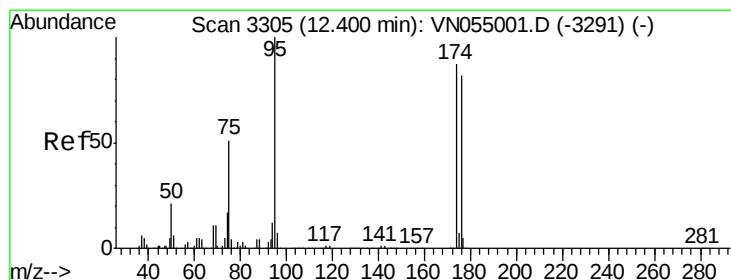
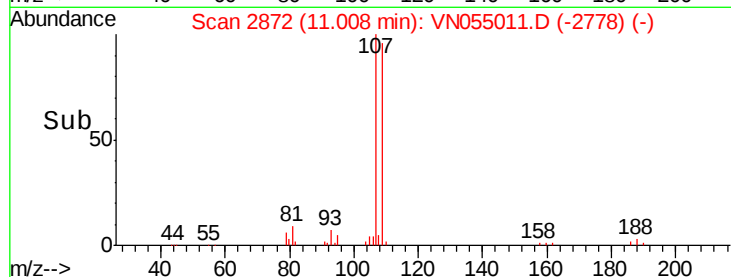
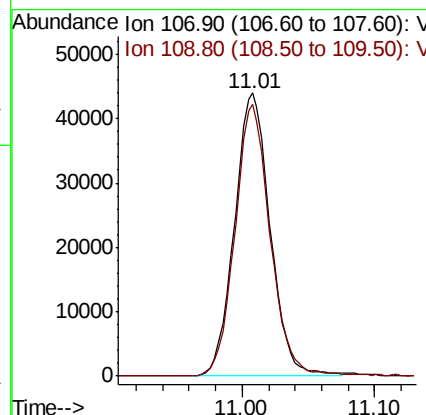
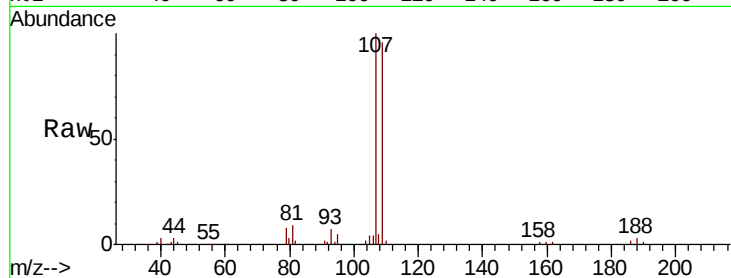




#61
 1,2-Dibromoethane
 Concen: 20.689 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055011.D
 Acq: 12 Apr 2019 20:39

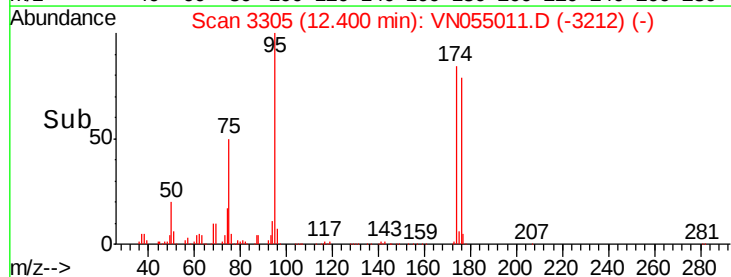
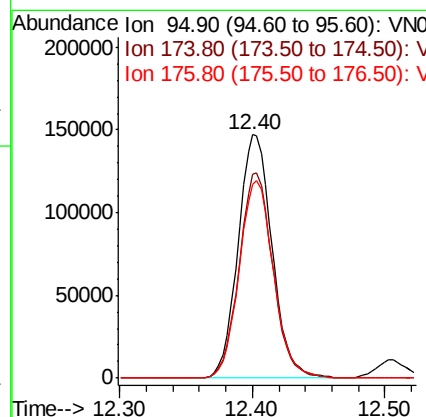
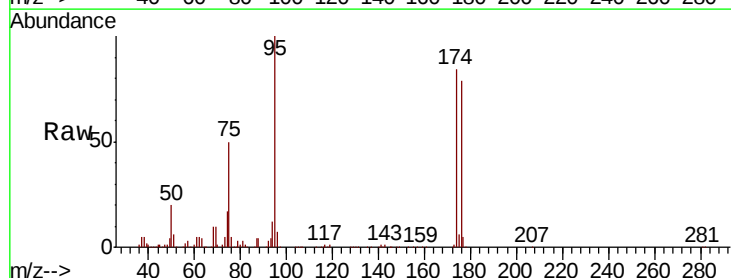
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBSD01

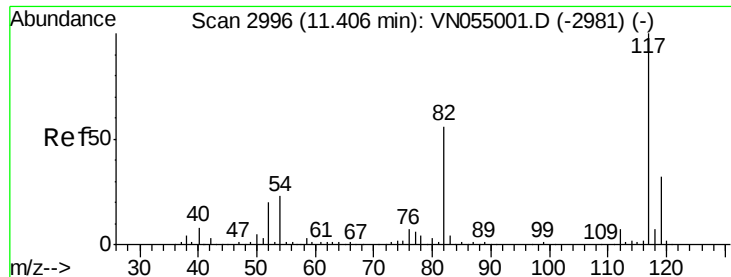
Tot Ion:107 Resp: 81885
 Ion Ratio Lower Upper
 107 100
 109 94.9 76.5 114.7



#62
 4-Bromofluorobenzene
 Concen: 49.470 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055011.D
 Acq: 12 Apr 2019 20:39

Tgt Ion: 95 Resp: 262005
 Ion Ratio Lower Upper
 95 100
 174 83.9 0.0 174.4
 176 82.0 0.0 166.8

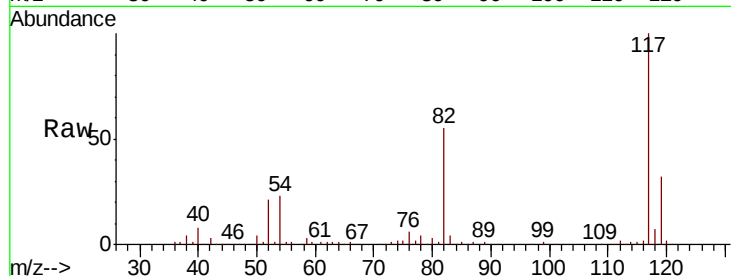




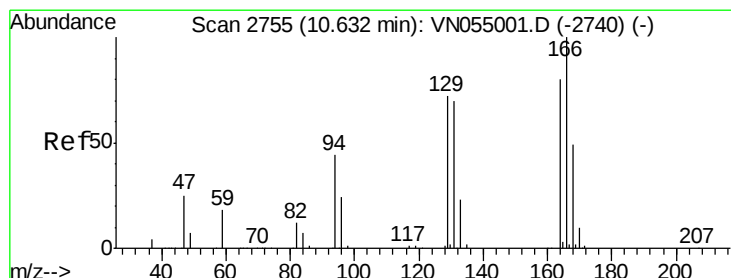
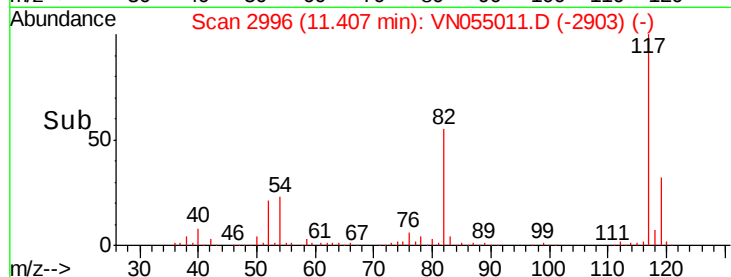
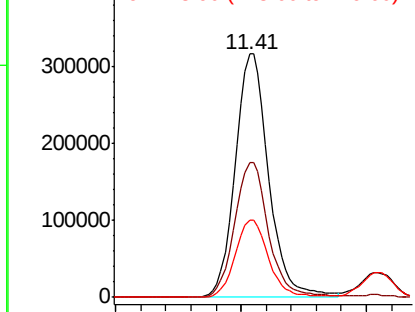
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBSD01

Tot Ion:117 Resp: 586152
Ion Ratio Lower Upper
117 100
82 55.1 44.6 66.8
119 32.0 25.5 38.3

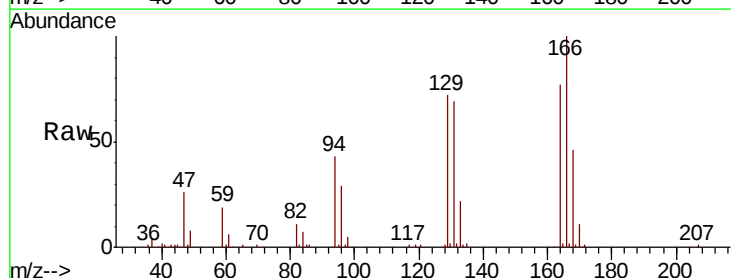


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

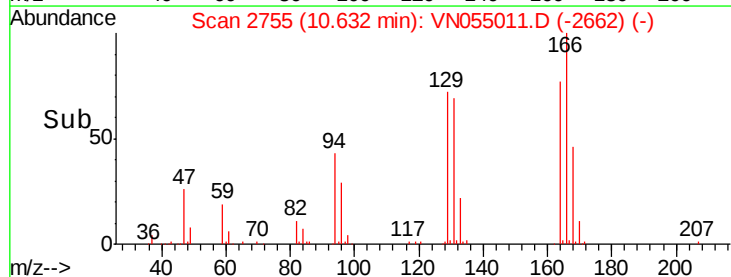
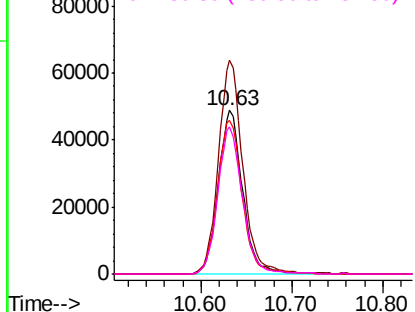


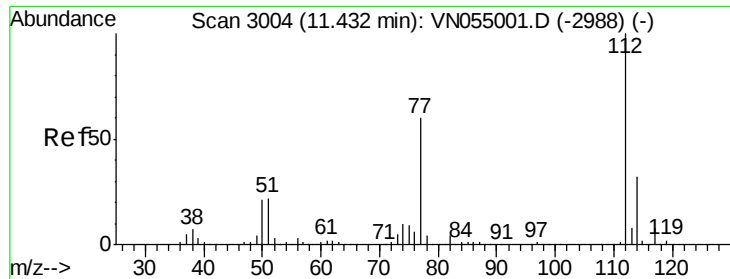
#64
Tetrachloroethene
Concen: 19.870 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

Tgt Ion:164 Resp: 91103
Ion Ratio Lower Upper
164 100
166 130.6 100.0 150.0
129 94.2 72.0 108.0
131 90.0 69.7 104.5



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

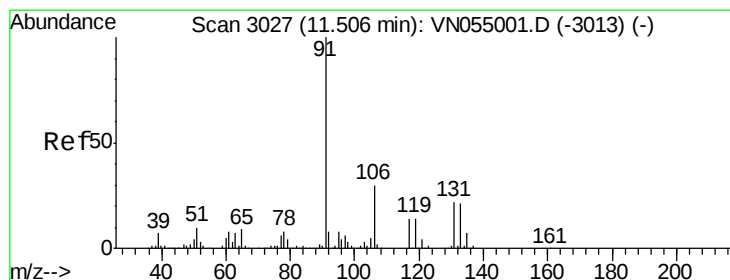
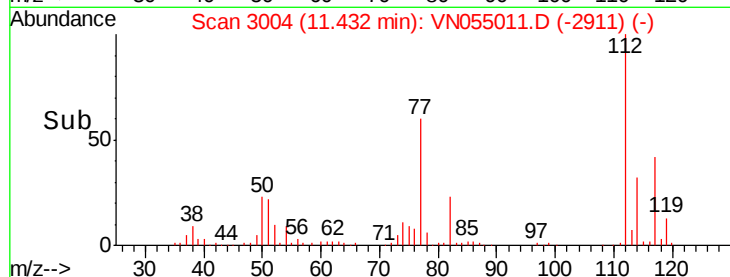
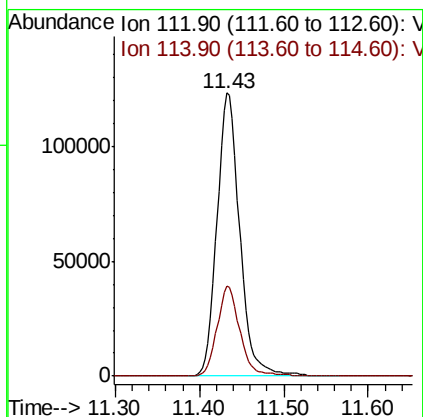
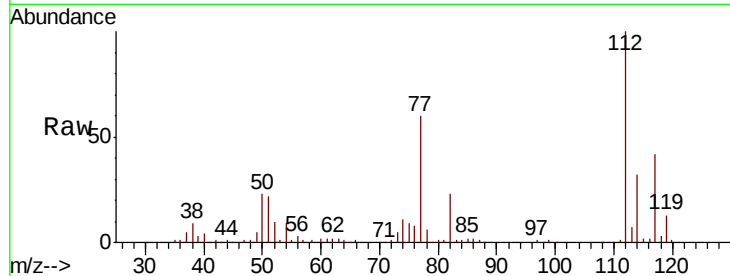




#65
Chlorobenzene
Concen: 20.506 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

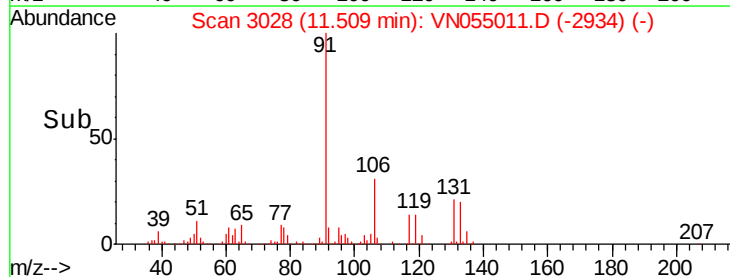
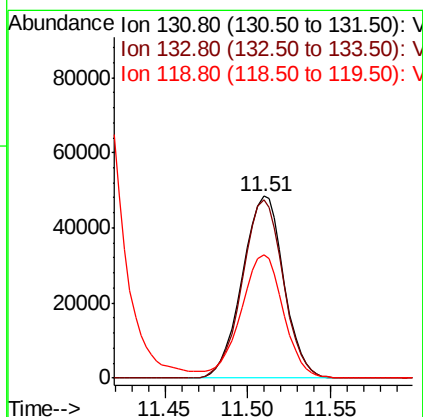
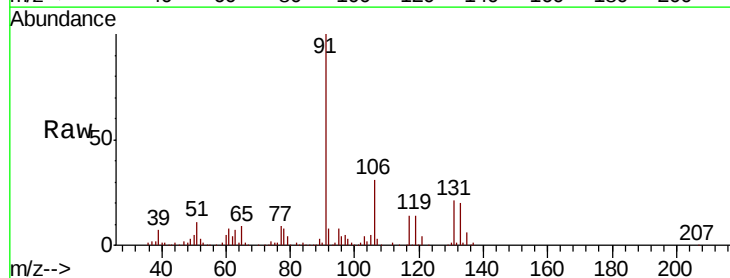
Instrument :
MSVOA_N
ClientSampled :
VN0413WBSD01

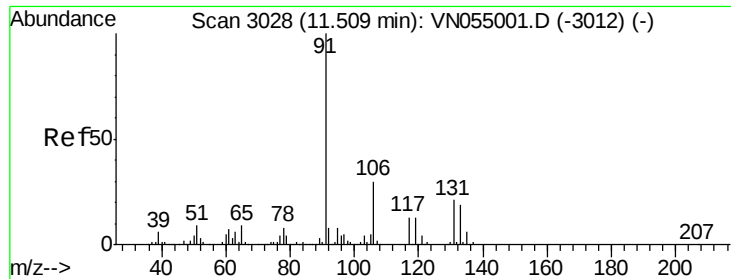
Tot Ion:112 Resp: 231763
Ion Ratio Lower Upper
112 100
114 32.0 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.269 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

Tgt Ion:131 Resp: 84424
Ion Ratio Lower Upper
131 100
133 96.6 47.8 143.3
119 69.2 33.6 100.6

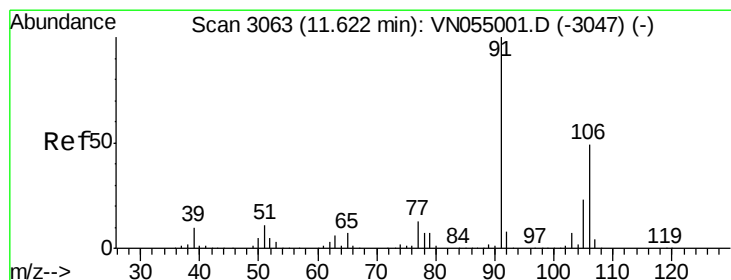
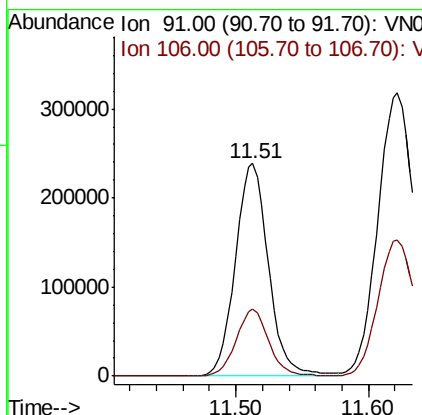
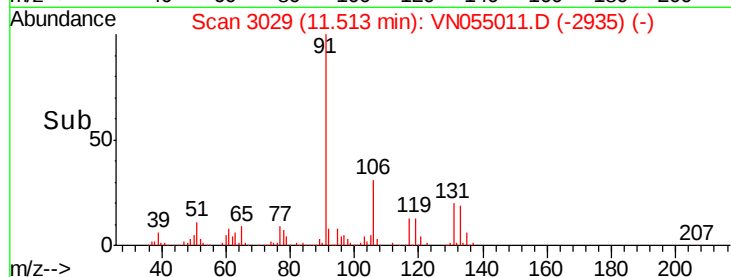
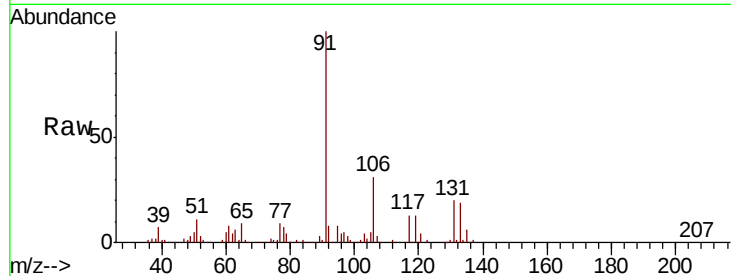




#67
Ethyl Benzene
Concen: 19.971 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

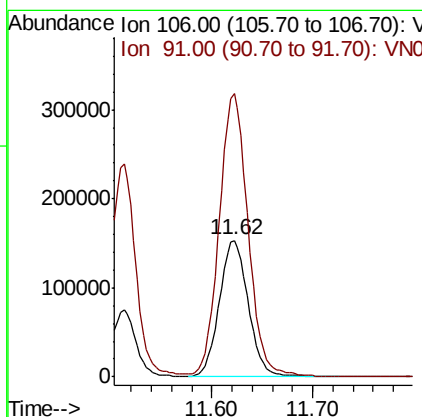
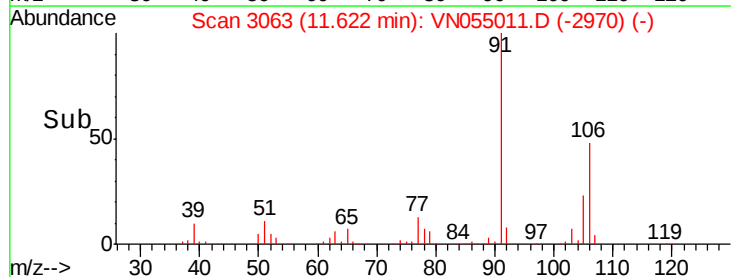
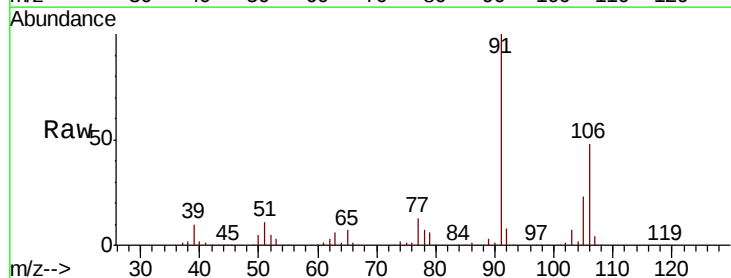
Instrument :
MSVOA_N
ClientSampleID :
VN0413WBSD01

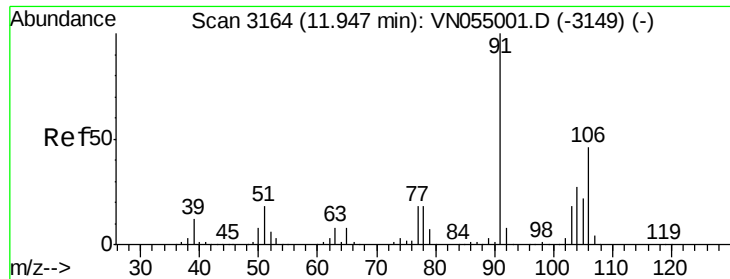
Tot Ion: 91 Resp: 414620
Ion Ratio Lower Upper
91 100
106 31.4 24.3 36.5



#68
m/p-Xylenes
Concen: 40.639 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

Tgt Ion: 106 Resp: 308675
Ion Ratio Lower Upper
106 100
91 205.9 165.9 248.9

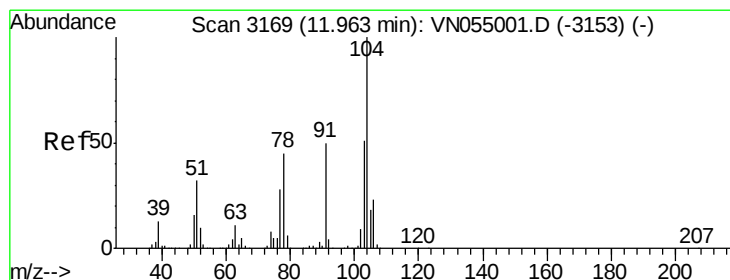
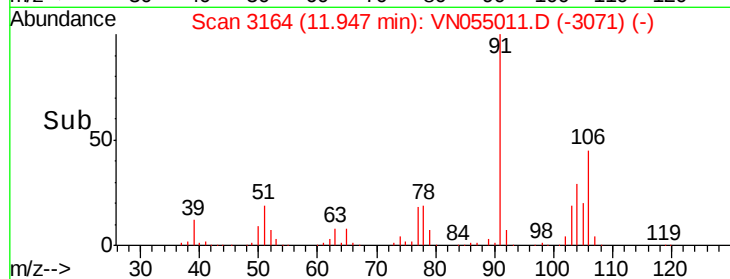
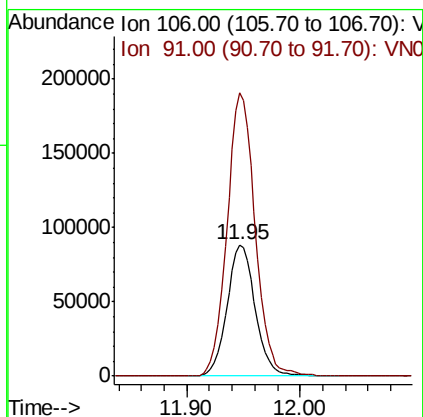
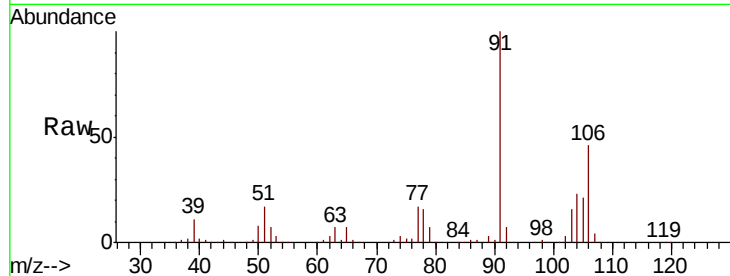




#69
o-Xylene
Concen: 20.356 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

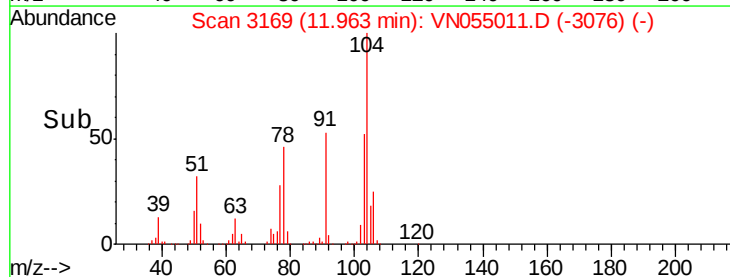
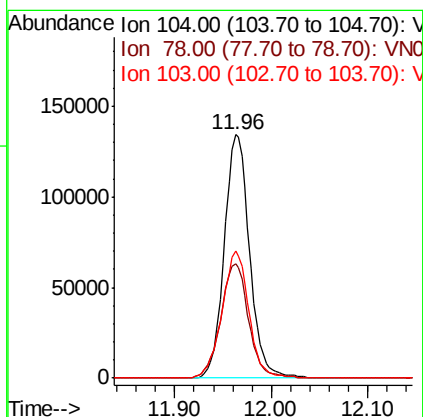
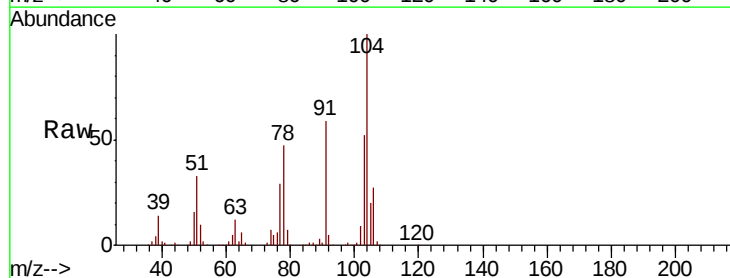
Instrument :
MSVOA_N
ClientSampled :
VN0413WBSD01

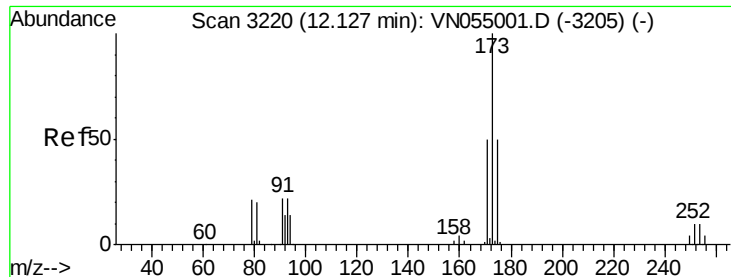
Tot Ion:106 Resp: 152978
Ion Ratio Lower Upper
106 100
91 215.4 109.9 329.8



#70
Styrene
Concen: 20.484 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

Tgt Ion:104 Resp: 244093
Ion Ratio Lower Upper
104 100
78 51.7 40.3 60.5
103 55.4 44.3 66.5





#71

Bromoform

Concen: 19.796 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBSD01

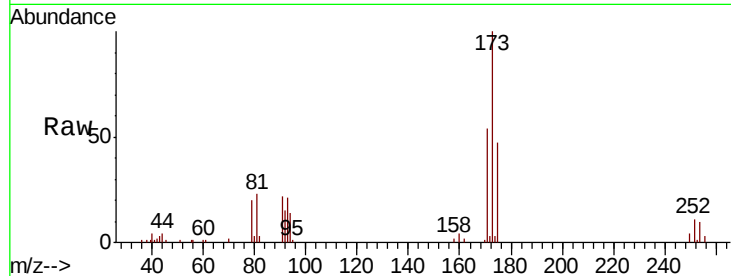
Tot Ion:173 Resp: 51833

Ion Ratio Lower Upper

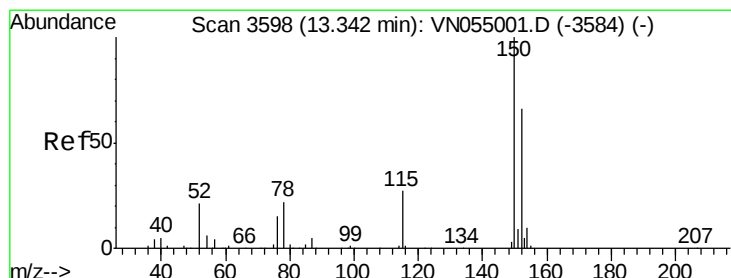
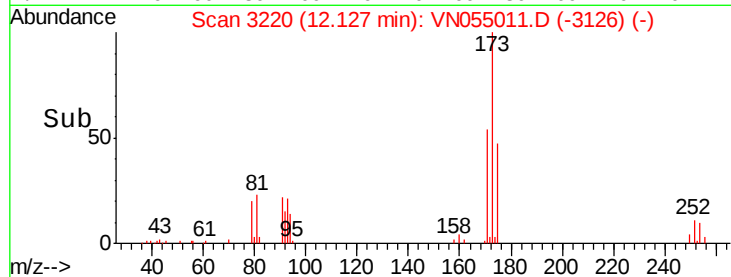
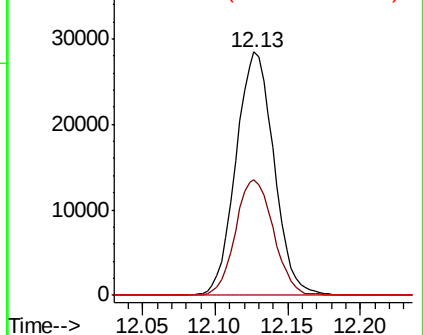
173 100

175 47.3 24.3 73.0

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

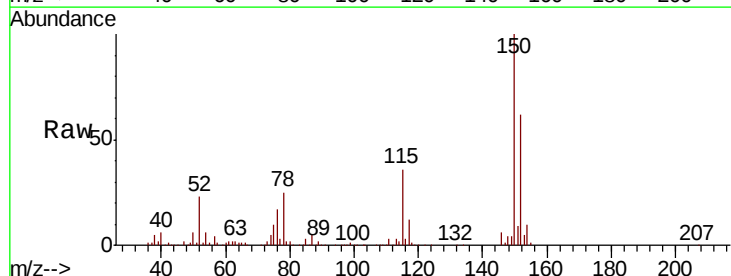
Tgt Ion:152 Resp: 236899

Ion Ratio Lower Upper

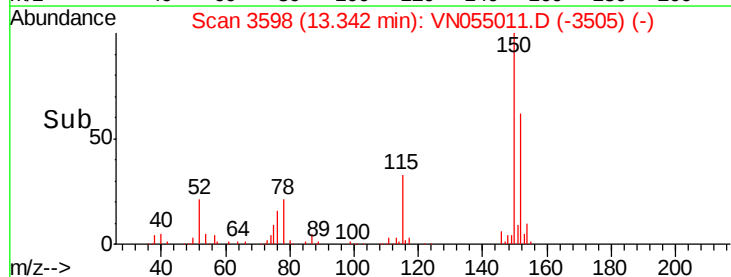
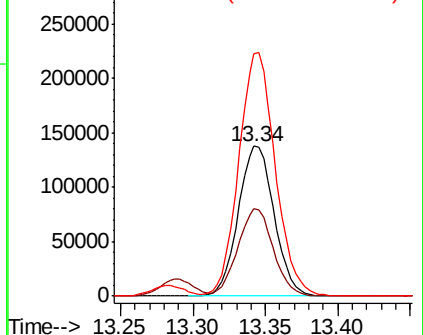
152 100

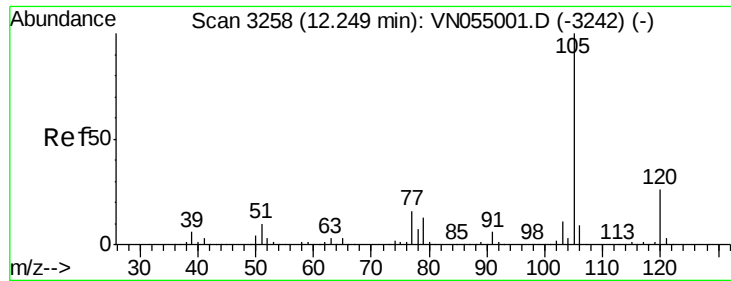
115 57.7 28.5 85.6

150 165.3 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.901 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :

MSVOA_N

ClientSampleID :

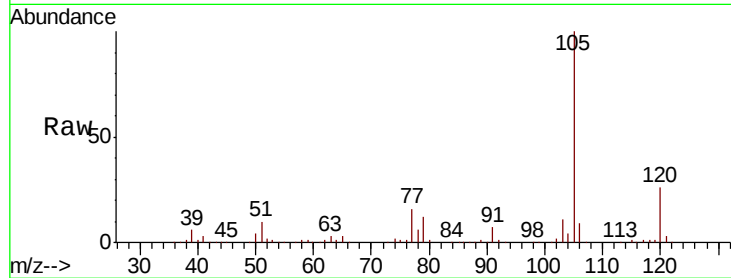
VN0413WBSD01

Tot Ion:105 Resp: 400854

Ion Ratio Lower Upper

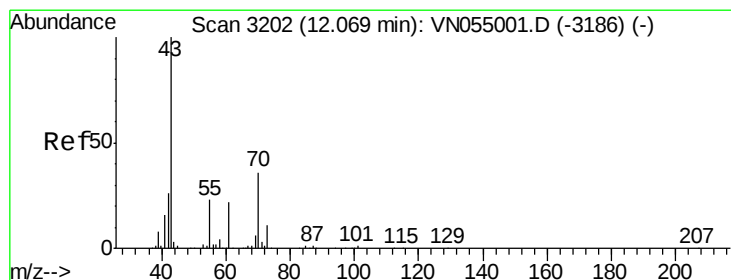
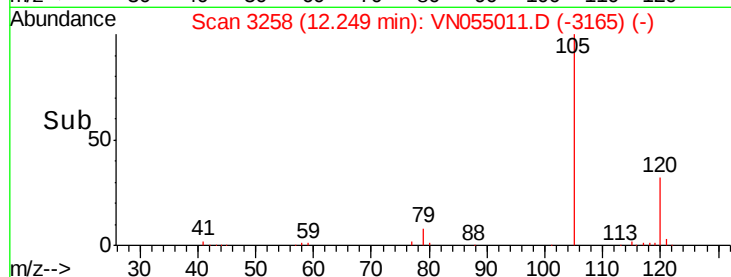
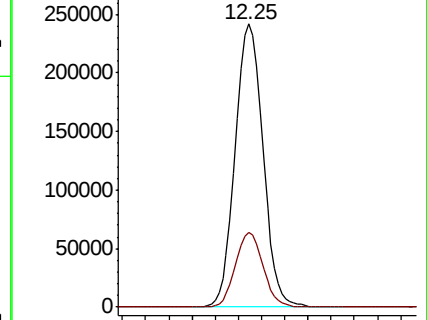
105 100

120 26.1 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.833 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Tgt Ion: 43 Resp: 126478

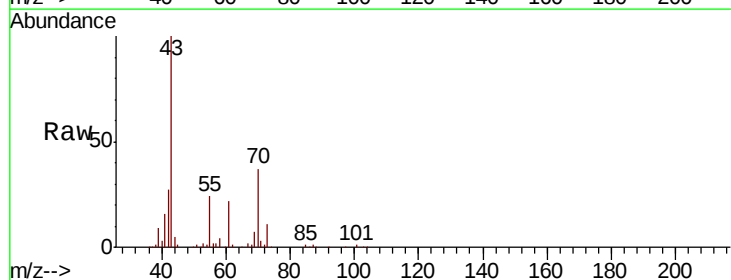
Ion Ratio Lower Upper

43 100

70 37.9 29.4 44.0

55 24.6 19.0 28.4

61 22.6 17.7 26.5

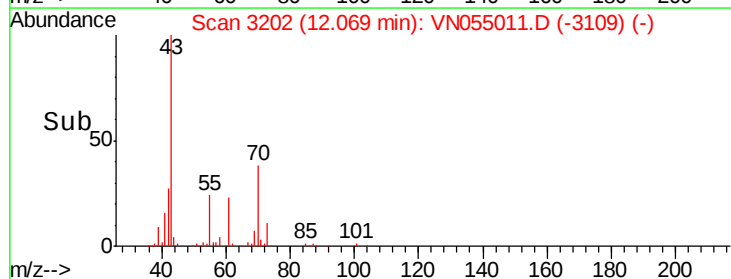
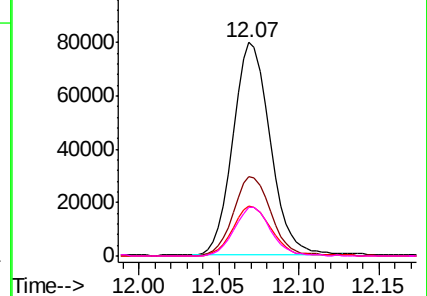


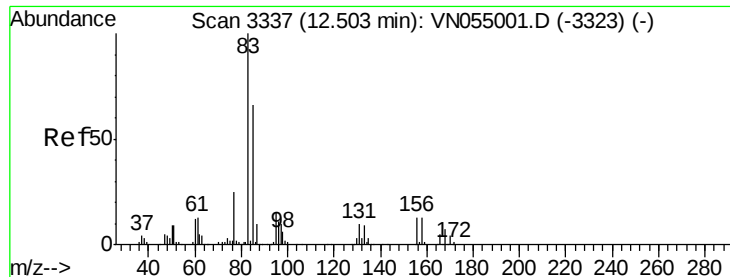
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.795 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBSD01

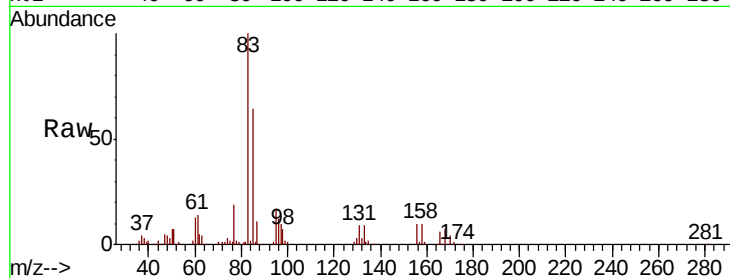
Tot Ion: 83 Resp: 108444

Ion Ratio Lower Upper

83 100

131 10.3 5.0 15.0

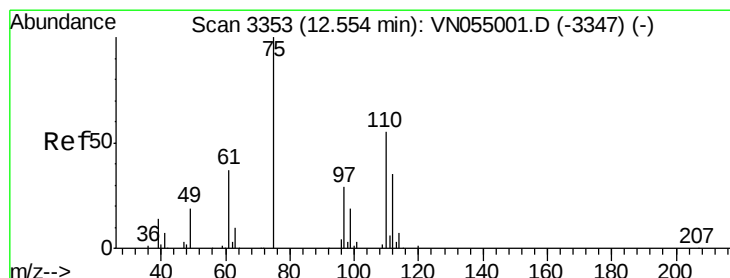
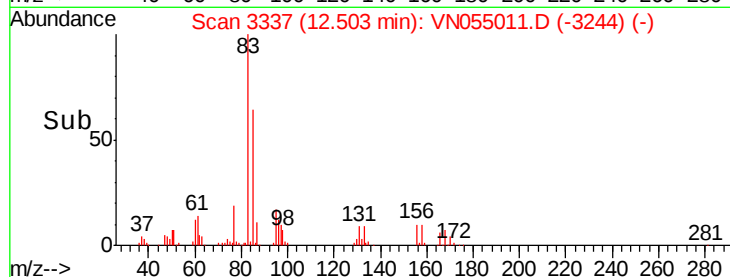
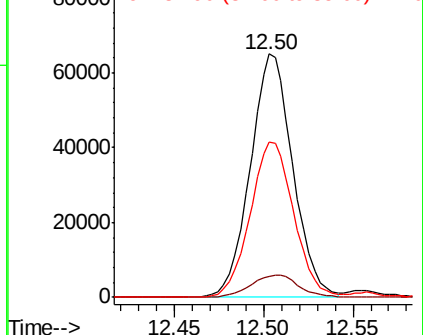
85 65.3 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 28.724 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055011.D

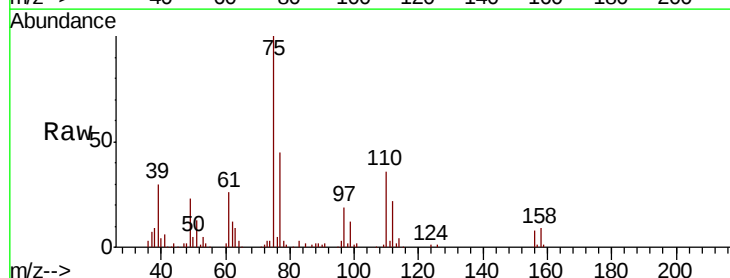
Acq: 12 Apr 2019 20:39

Tgt Ion: 75 Resp: 125189

Ion Ratio Lower Upper

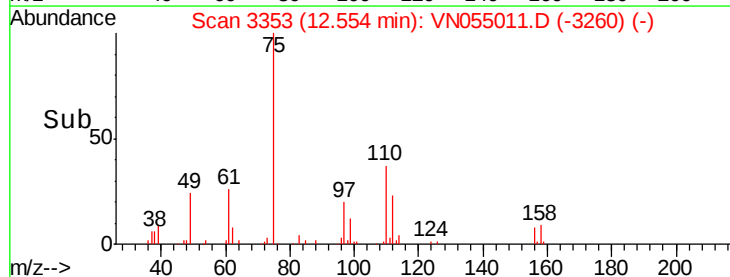
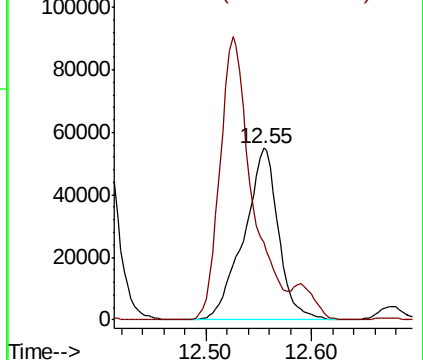
75 100

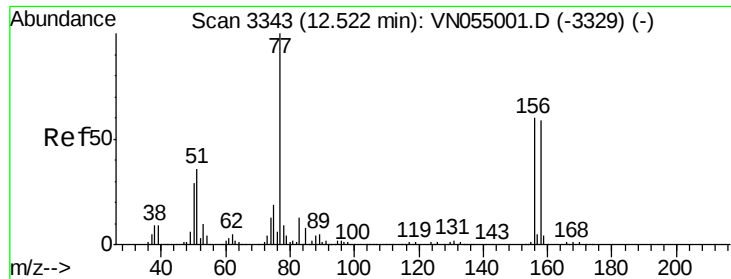
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.283 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBSD01

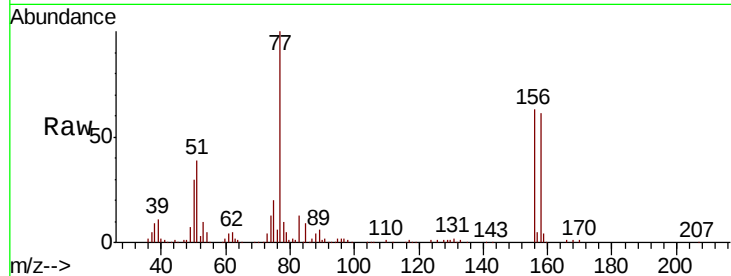
Tot Ion:156 Resp: 98529

Ion Ratio Lower Upper

156 100

77 193.5 97.2 291.5

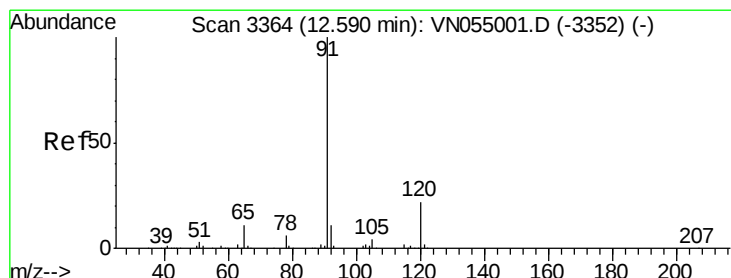
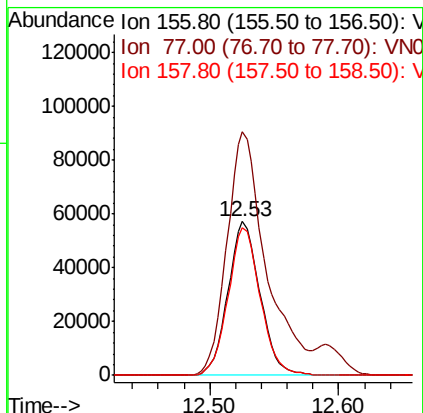
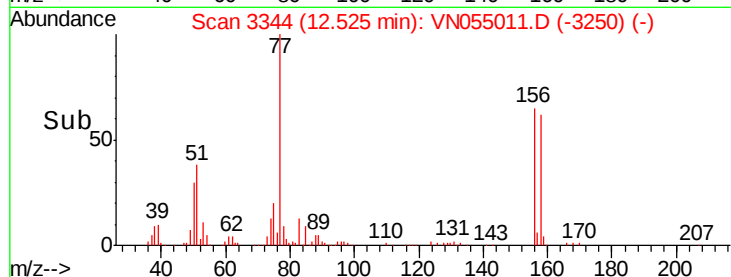
158 96.7 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.010 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN055011.D

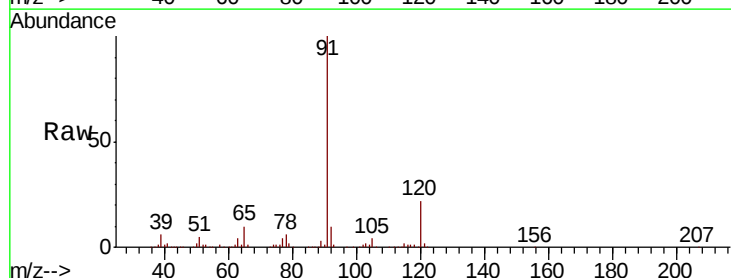
Acq: 12 Apr 2019 20:39

Tgt Ion: 91 Resp: 439109

Ion Ratio Lower Upper

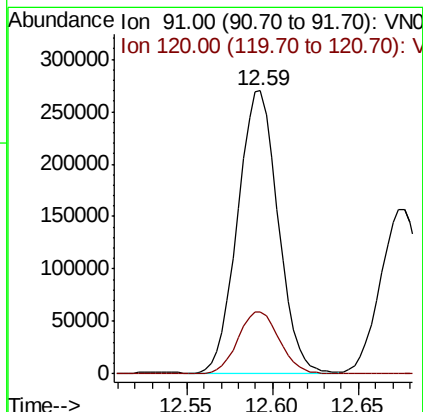
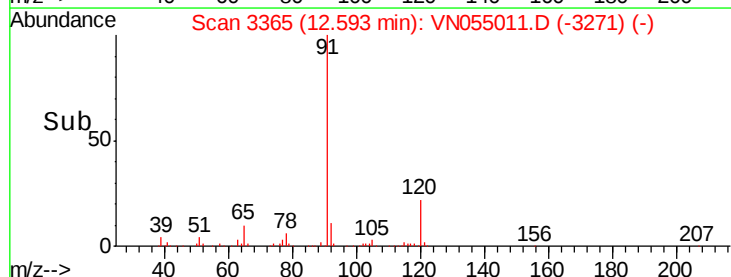
91 100

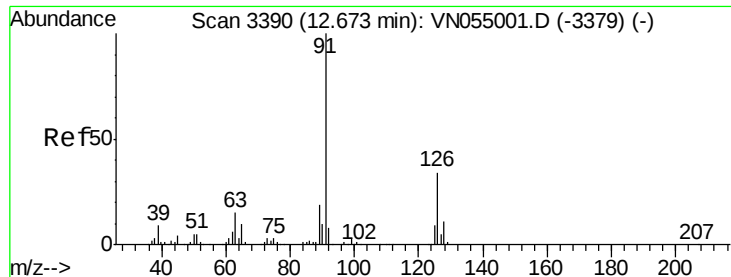
120 22.7 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.917 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :

MSVOA_N

ClientSampled :

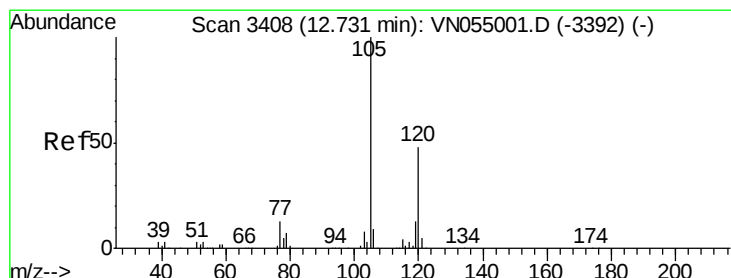
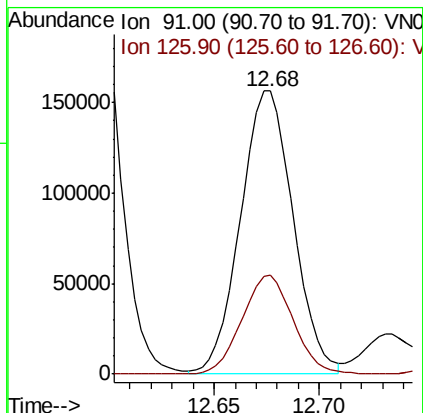
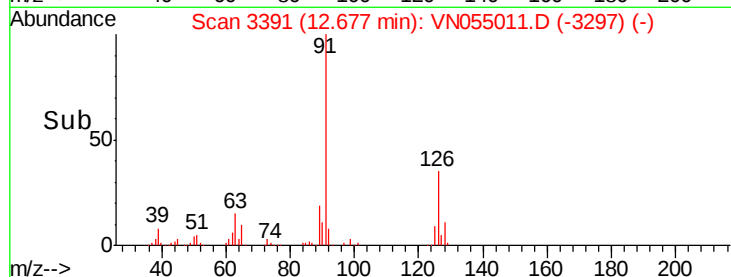
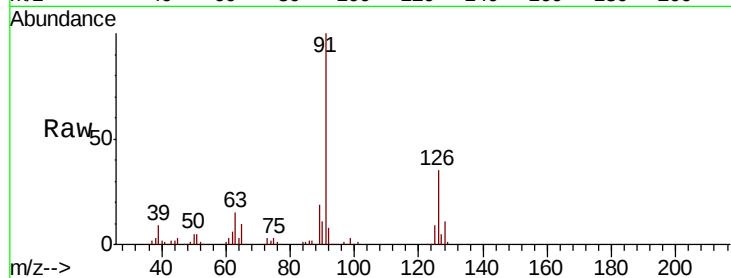
VN0413WBSD01

Tot Ion: 91 Resp: 270009

Ion Ratio Lower Upper

91 100

126 34.4 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 20.095 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN055011.D

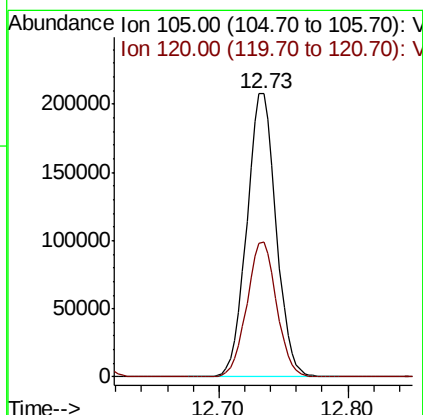
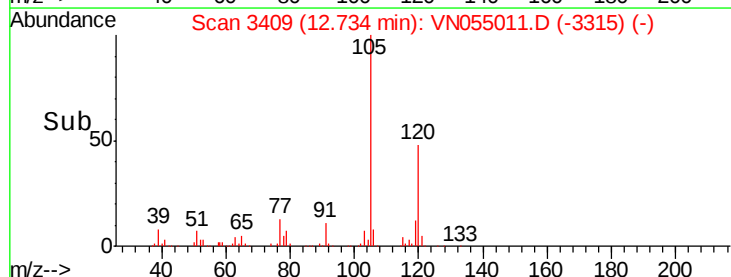
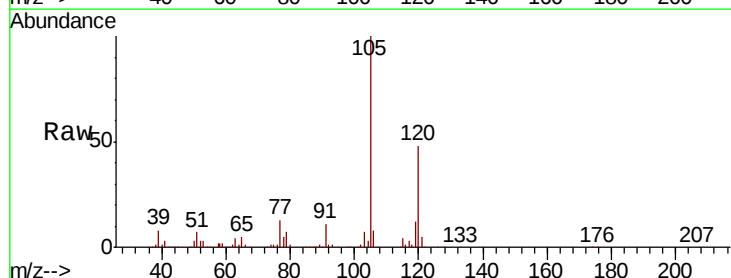
Acq: 12 Apr 2019 20:39

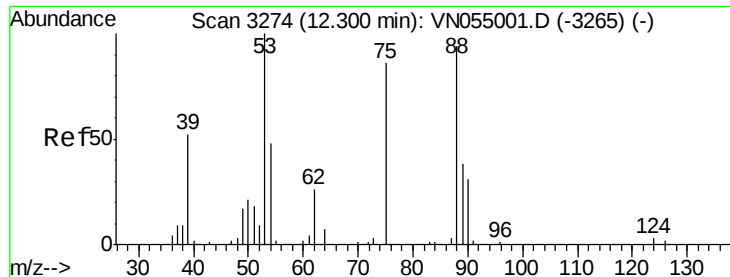
Tgt Ion:105 Resp: 329491

Ion Ratio Lower Upper

105 100

120 48.3 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.020 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBSD01

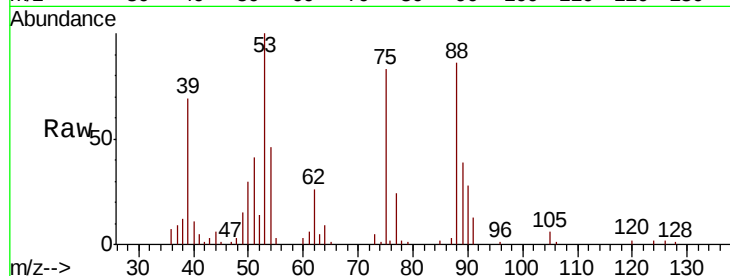
Tot Ion: 75 Resp: 21140

Ion Ratio Lower Upper

75 100

53 128.6 96.3 144.5

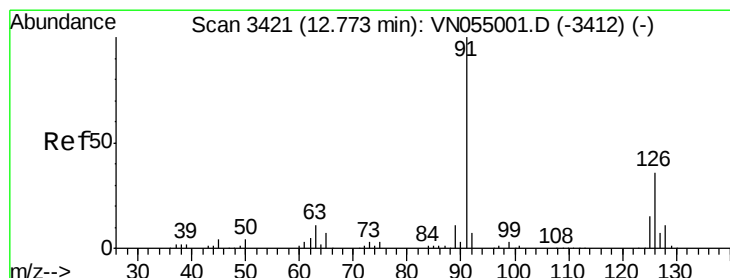
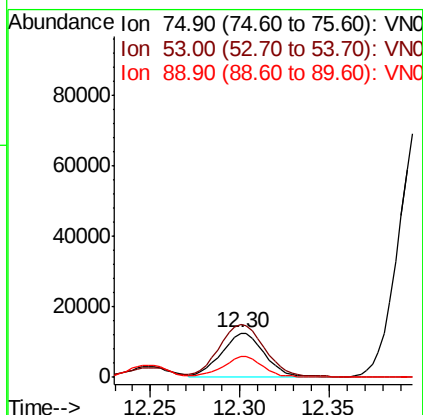
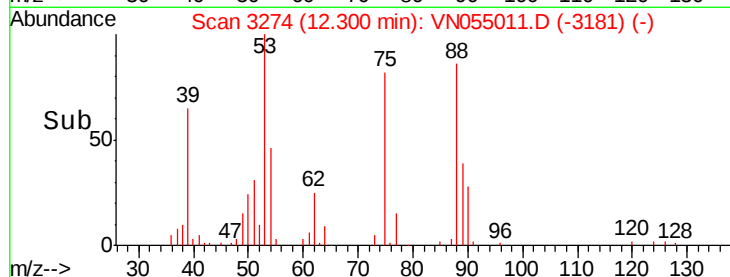
89 43.1 38.6 57.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.461 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055011.D

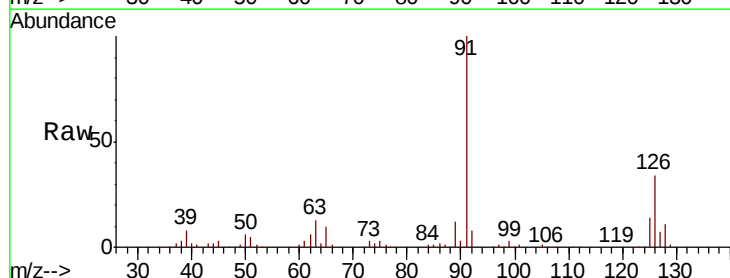
Acq: 12 Apr 2019 20:39

Tgt Ion: 91 Resp: 255148

Ion Ratio Lower Upper

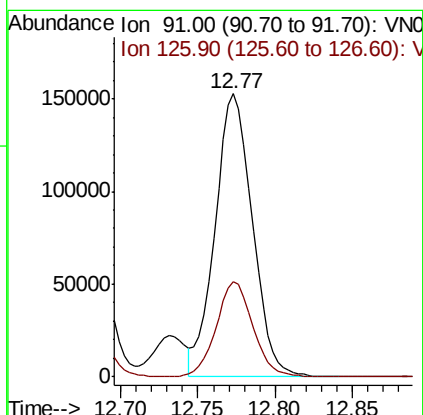
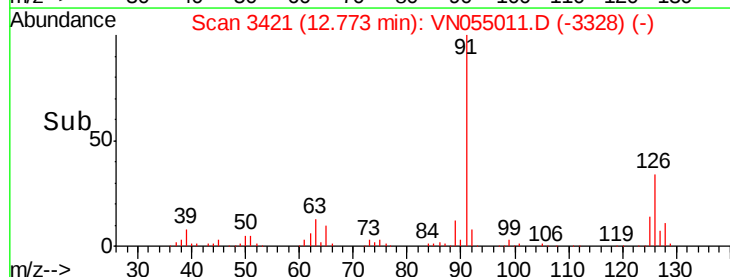
91 100

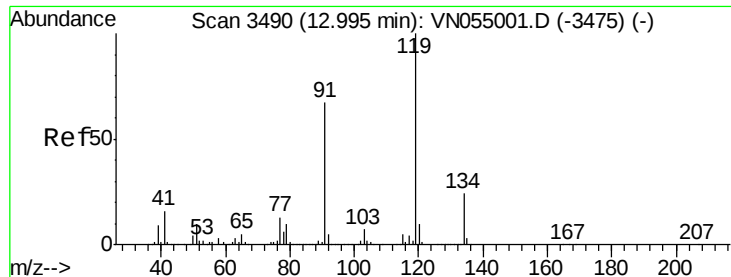
126 33.2 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

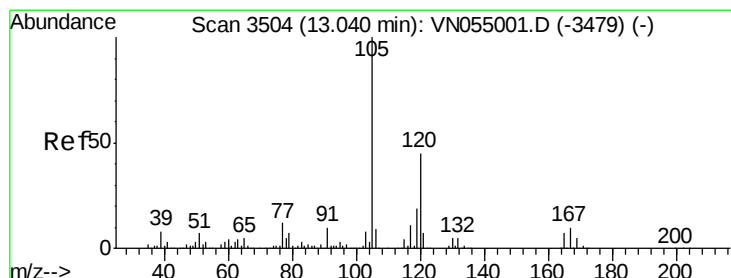
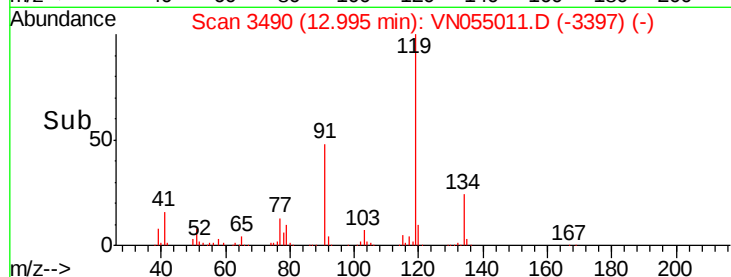
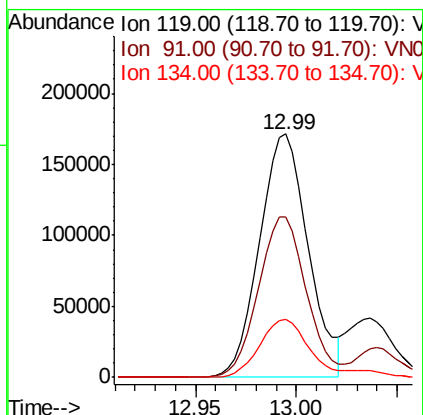
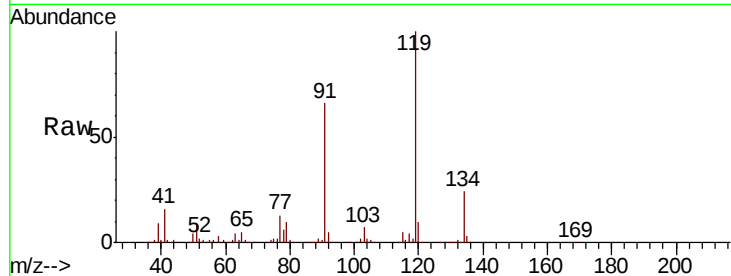




#83
 tert-Butylbenzene
 Concen: 20.581 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN055011.D
 Acq: 12 Apr 2019 20:39

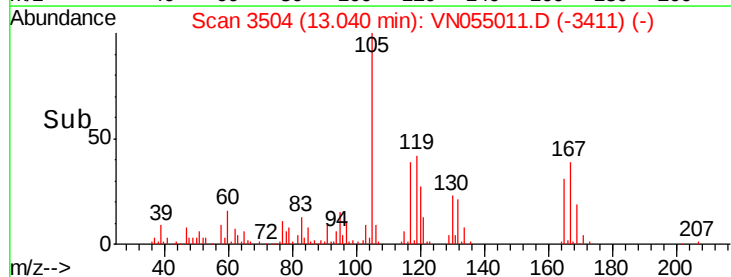
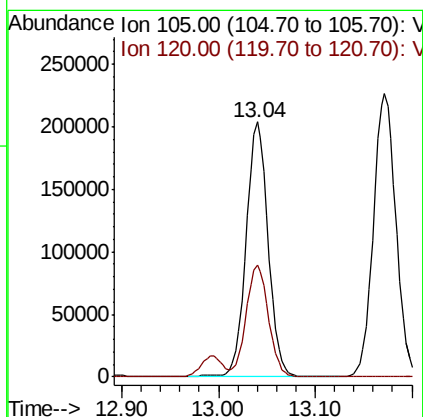
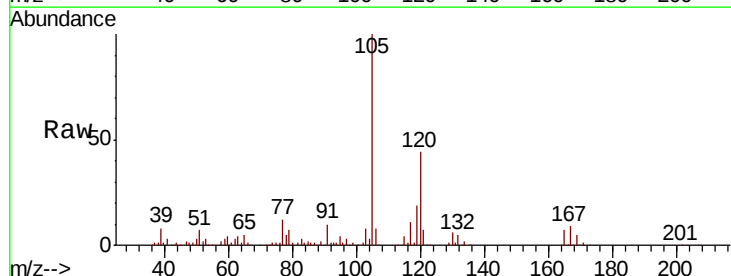
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBSD01

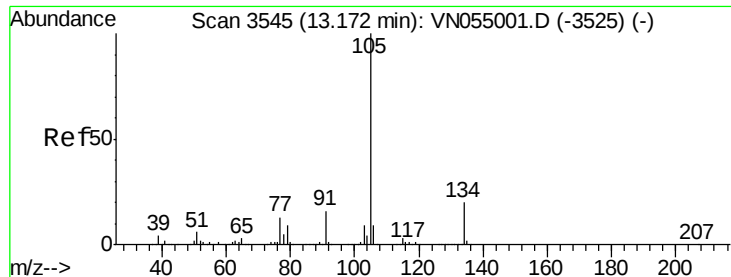
Tot Ion:119 Resp: 289100
 Ion Ratio Lower Upper
 119 100
 91 65.1 33.3 99.8
 134 26.1 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 20.406 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055011.D
 Acq: 12 Apr 2019 20:39

Tgt Ion:105 Resp: 320843
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.4 67.3





#85

sec-Butylbenzene

Concen: 20.451 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :

MSVOA_N

ClientSampleID :

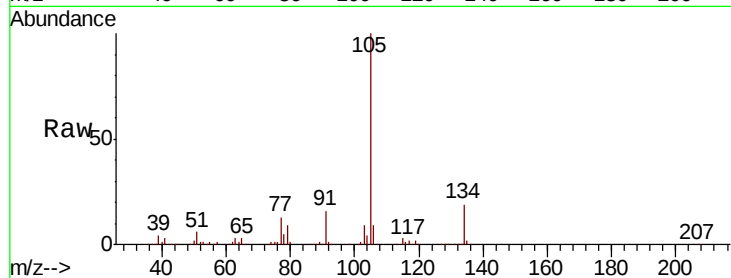
VN0413WBSD01

Tot Ion:105 Resp: 366790

Ion Ratio Lower Upper

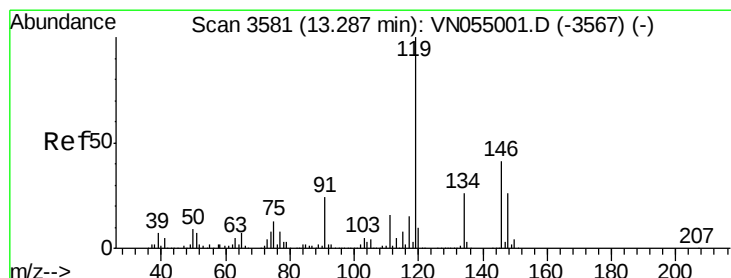
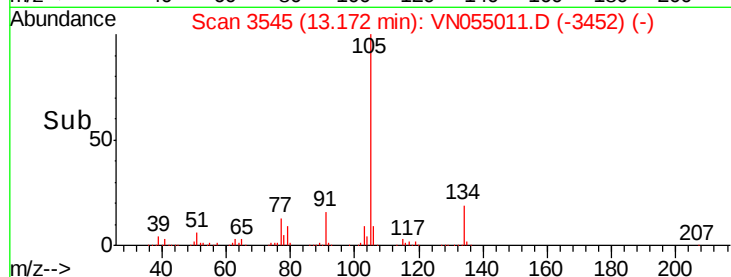
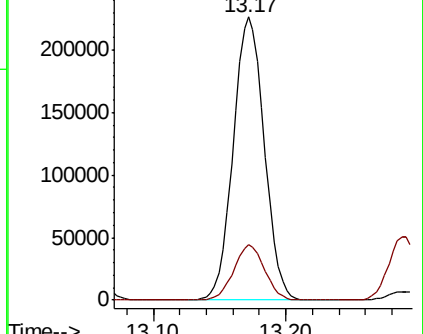
105 100

134 19.4 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.004 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

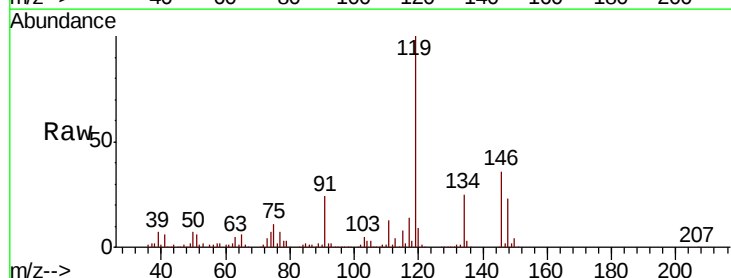
Tgt Ion:119 Resp: 312070

Ion Ratio Lower Upper

119 100

134 25.8 13.2 39.5

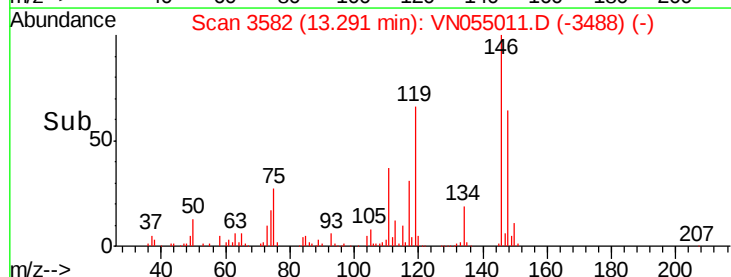
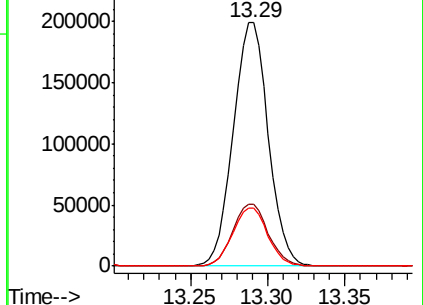
91 23.9 11.7 35.1

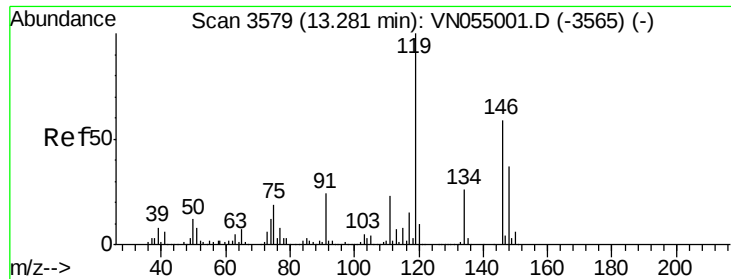


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

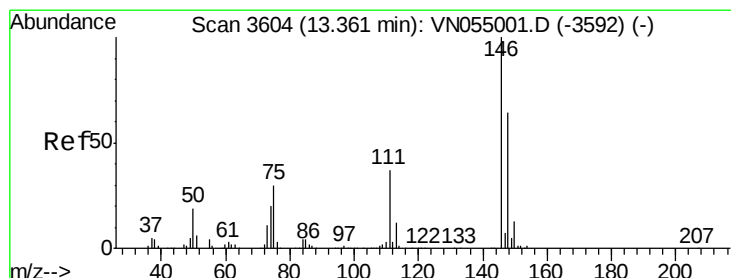
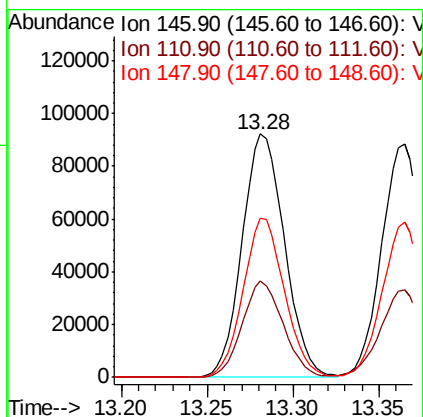
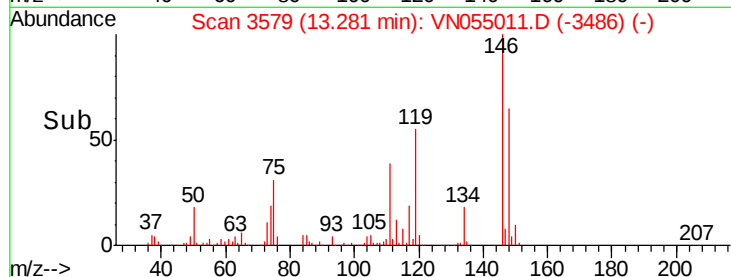
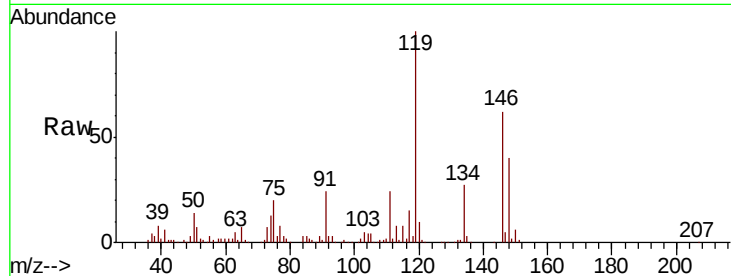




#87
 1,3-Dichlorobenzene
 Concen: 19.680 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055011.D
 Acq: 12 Apr 2019 20:39

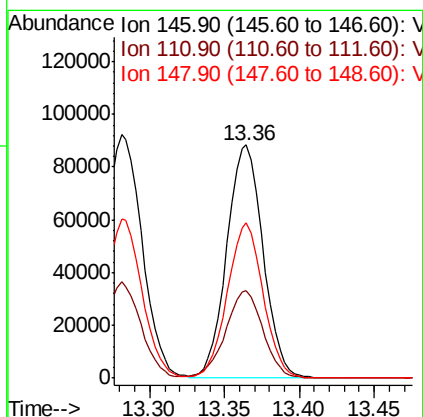
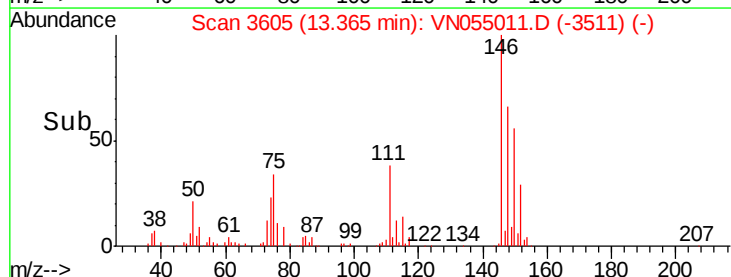
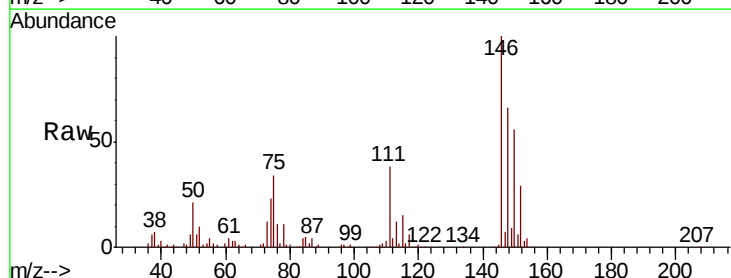
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBSD01

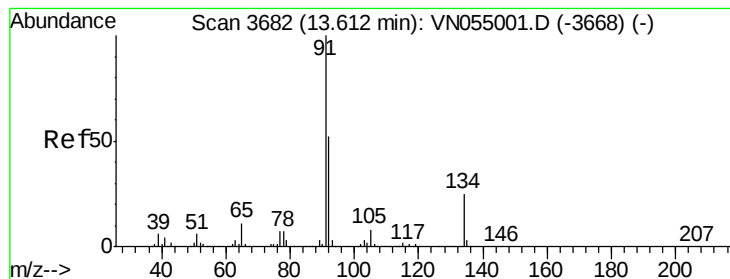
Tot Ion:146 Resp: 158358
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.5 58.5
 148 63.6 31.6 94.7



#88
 1,4-Dichlorobenzene
 Concen: 19.387 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055011.D
 Acq: 12 Apr 2019 20:39

Tgt Ion:146 Resp: 149196
 Ion Ratio Lower Upper
 146 100
 111 39.0 18.8 56.4
 148 65.7 32.4 97.2





#89

n-Butylbenzene

Concen: 19.082 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBSD01

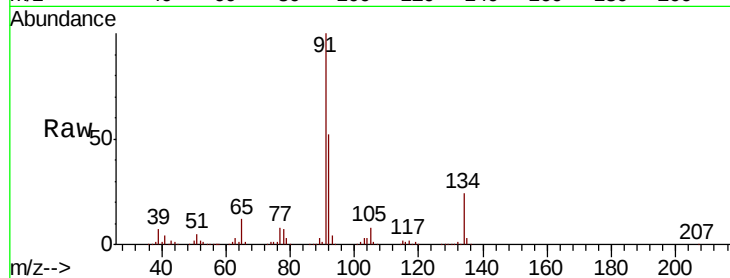
Tot Ion: 91 Resp: 233799

Ion Ratio Lower Upper

91 100

92 51.3 25.9 77.7

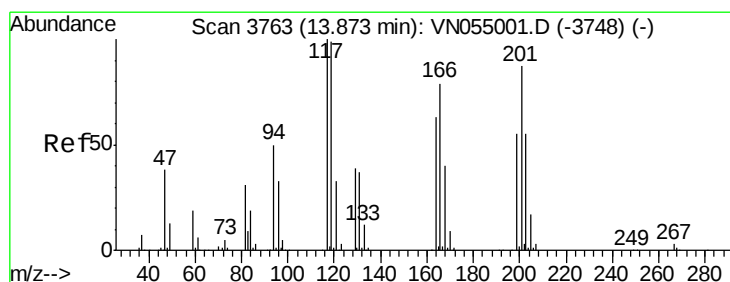
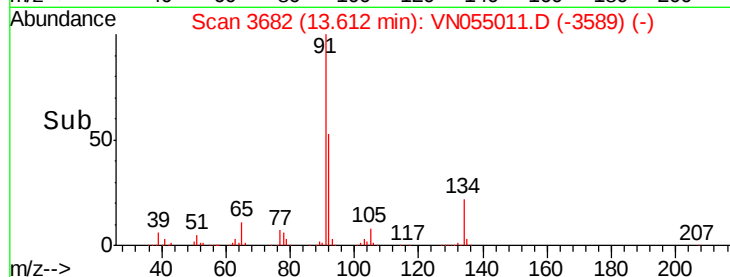
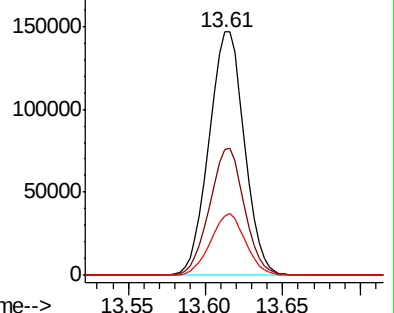
134 24.9 12.8 38.3



Abundance Ion 91.00 (90.70 to 91.70): VN055011.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN055011.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN055011.D (-3668) (-)



#90

Hexachloroethane

Concen: 18.688 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055011.D

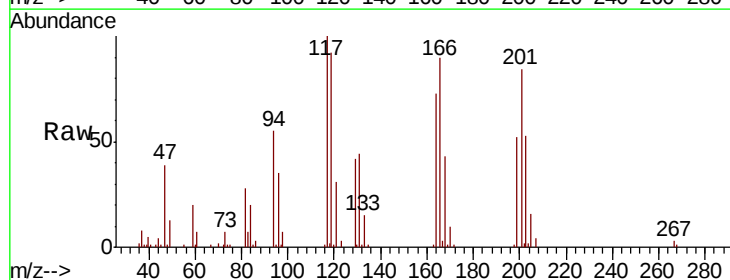
Acq: 12 Apr 2019 20:39

Tgt Ion: 117 Resp: 48173

Ion Ratio Lower Upper

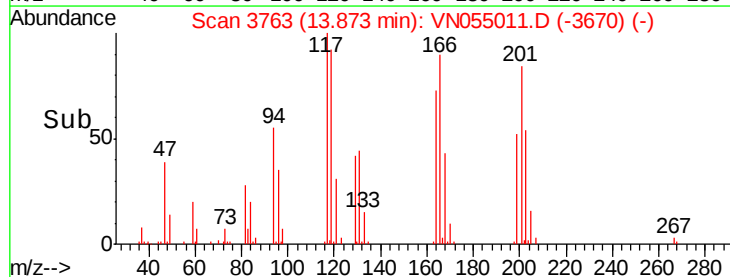
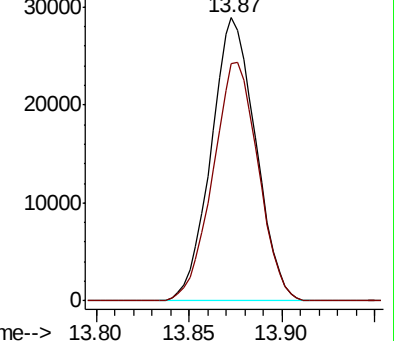
117 100

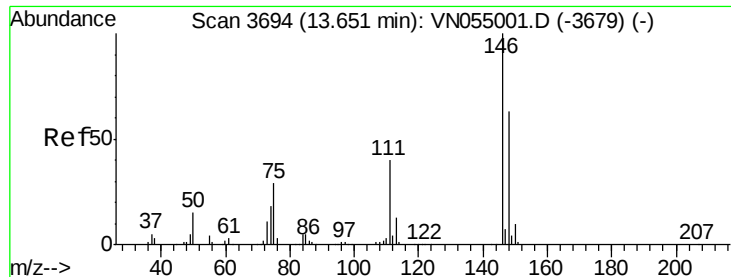
201 85.8 43.4 130.2



Abundance Ion 116.80 (116.50 to 117.50): VN055011.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN055011.D (-3748) (-)





#91

1,2-Dichlorobenzene

Concen: 20.344 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBSD01

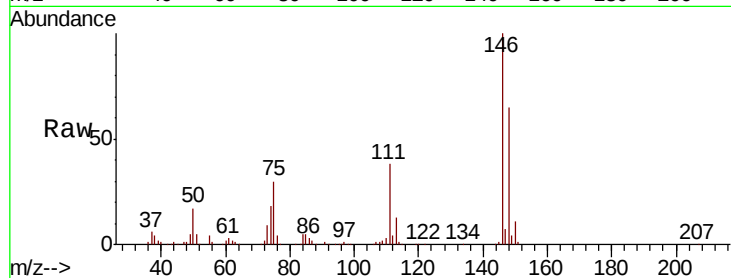
Tot Ion:146 Resp: 158919

Ion Ratio Lower Upper

146 100

111 39.9 20.3 60.9

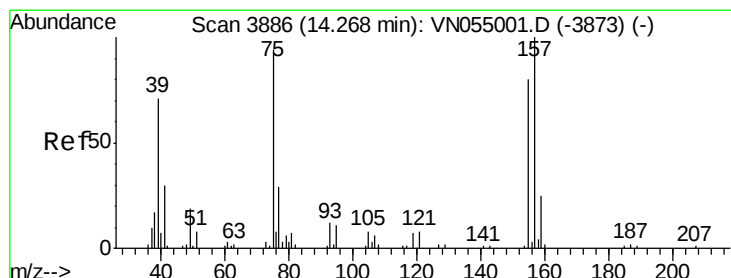
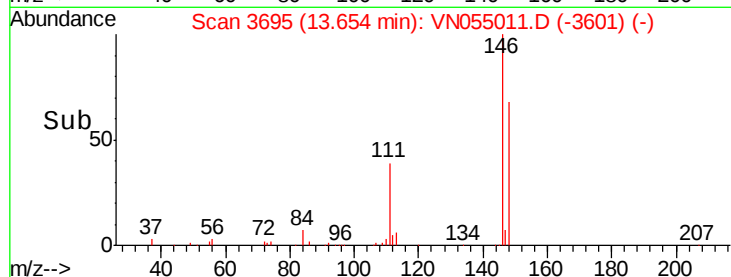
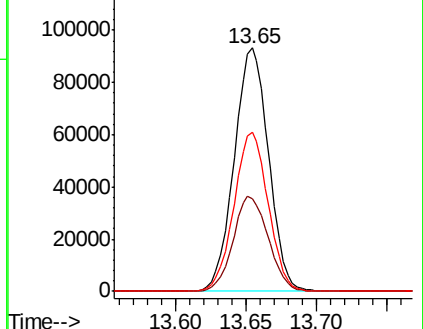
148 65.0 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.764 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

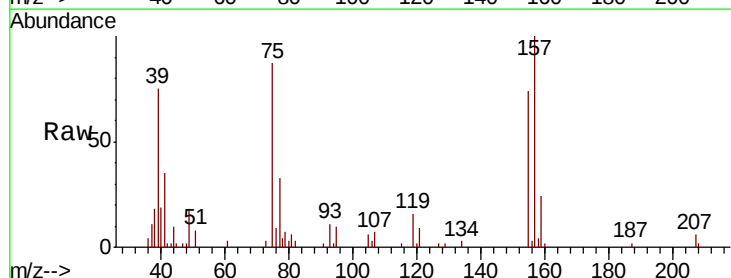
Tgt Ion: 75 Resp: 14758

Ion Ratio Lower Upper

75 100

155 87.8 42.0 126.0

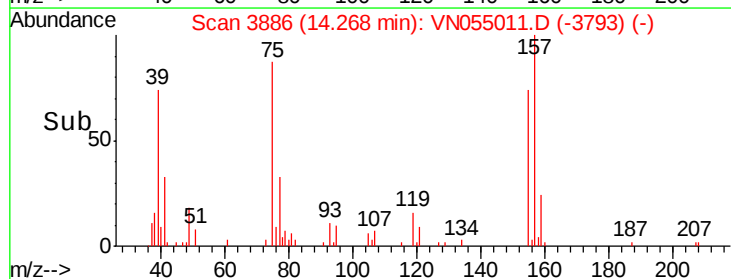
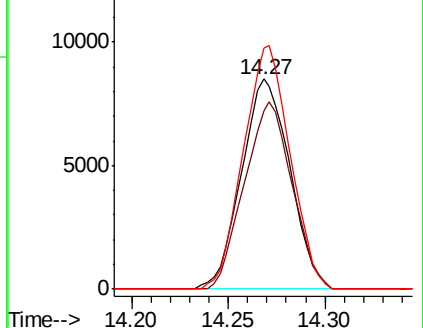
157 112.2 52.1 156.4

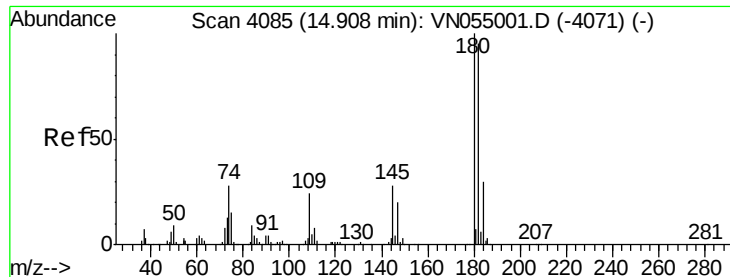


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

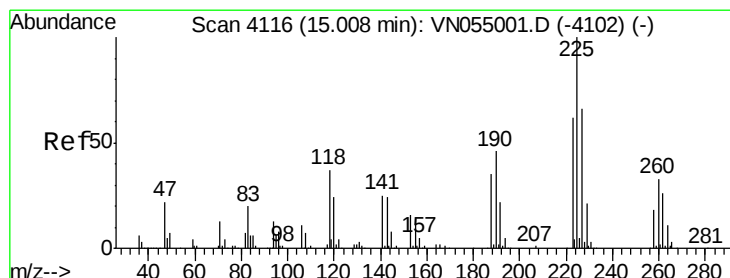
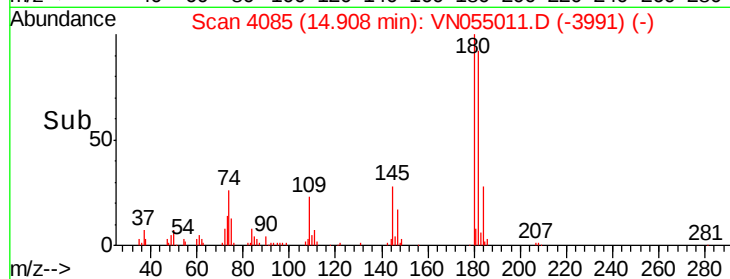
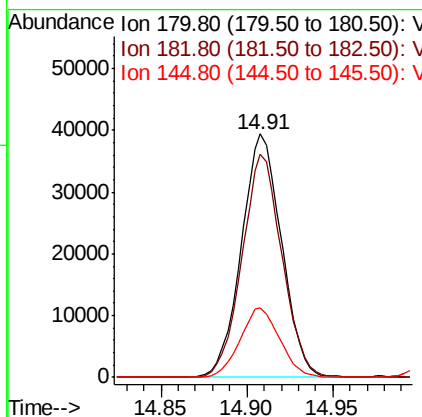
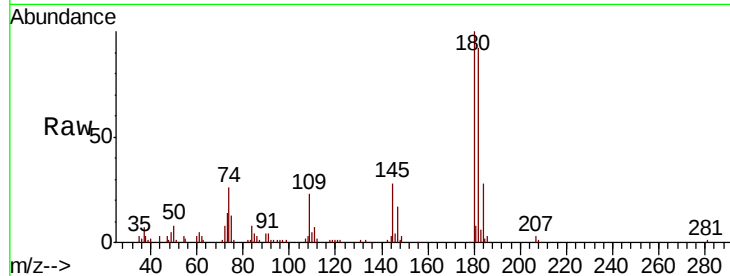




#93
 1,2,4-Trichlorobenzene
 Concen: 18.805 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055011.D
 Acq: 12 Apr 2019 20:39

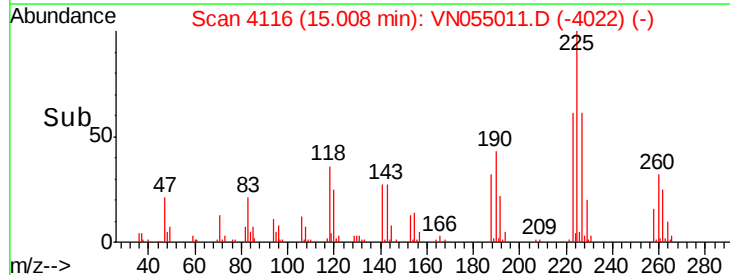
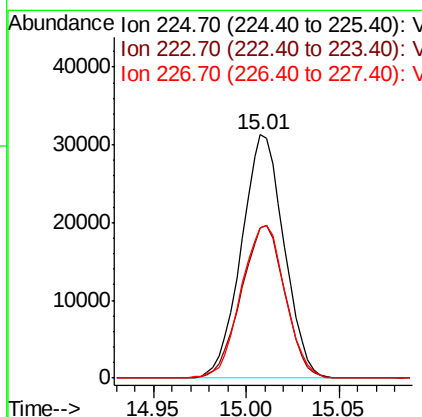
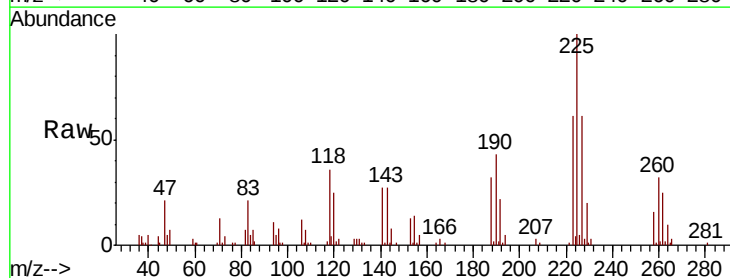
Instrument :
 MSVOA_N
 ClientSampled :
 VN0413WBSD01

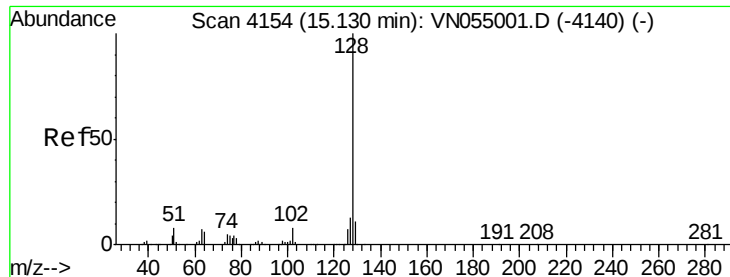
Tot Ion:180 Resp: 63760
 Ion Ratio Lower Upper
 180 100
 182 91.4 47.5 142.6
 145 28.1 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 20.060 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055011.D
 Acq: 12 Apr 2019 20:39

Tgt Ion:225 Resp: 49990
 Ion Ratio Lower Upper
 225 100
 223 63.9 31.4 94.0
 227 64.7 32.6 97.7

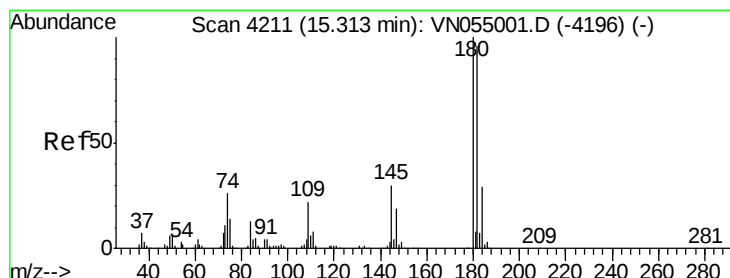
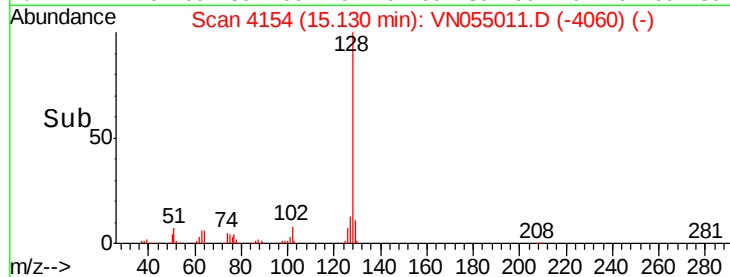
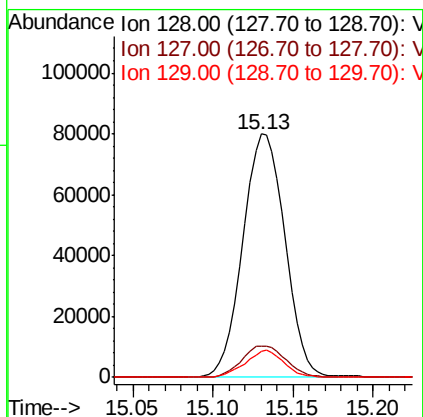
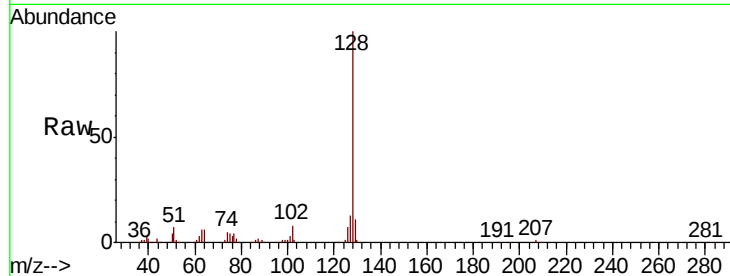




#95
Naphthalene
Concen: 19.072 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBSD01

Tot Ion:128 Resp: 143781
Ion Ratio Lower Upper
128 100
127 13.5 10.1 15.1
129 10.2 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 19.242 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

Tgt Ion:180 Resp: 67804
Ion Ratio Lower Upper
180 100
182 93.8 48.0 144.0
145 30.2 15.3 45.9

