

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041519\
 Data File : VN055058.D
 Acq On : 15 Apr 2019 22:12
 Operator : JC/SP
 Sample : VN0415WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBSD01

Quant Time: Apr 16 05:54:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	393239	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	655542	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	571669	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	226767	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	266410	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
35) Dibromofluoromethane	7.59	113	216988	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
50) Toluene-d8	10.09	98	799506	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
62) 4-Bromofluorobenzene	12.40	95	259573	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	90440	20.237	ug/l	98
3) Chloromethane	2.06	50	118679	20.361	ug/l	97
4) Vinyl Chloride	2.19	62	96236	19.643	ug/l	100
5) Bromomethane	2.55	94	54998	19.843	ug/l	96
6) Chloroethane	2.70	64	53989	20.434	ug/l	97
7) Trichlorofluoromethane	3.02	101	123853	20.214	ug/l	96
8) Diethyl Ether	3.41	74	40211	20.559	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	63580	19.828	ug/l	98
10) Methyl Iodide	3.94	142	92734	18.636	ug/l	100
11) Tert butyl alcohol	4.82	59	25705	89.715	ug/l #	89
12) 1,1-Dichloroethene	3.73	96	60302	19.320	ug/l	98
13) Acrolein	3.60	56	31456	88.821	ug/l	95
14) Allyl chloride	4.31	41	151555	19.837	ug/l	100
15) Acrylonitrile	4.99	53	172477	100.615	ug/l	100
16) Acetone	3.82	43	111948	78.907	ug/l	99
17) Carbon Disulfide	4.04	76	186440	18.505	ug/l	99
18) Methyl Acetate	4.33	43	86295	20.849	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	227070	20.338	ug/l	100
20) Methylene Chloride	4.54	84	97283	19.506	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	83371	19.750	ug/l	94
22) Diisopropyl ether	5.96	45	322224	20.517	ug/l	95
23) Vinyl Acetate	5.90	43	1082039	104.232	ug/l	100
24) 1,1-Dichloroethane	5.84	63	169669	20.287	ug/l	99
25) 2-Butanone	6.84	43	199811	94.364	ug/l	99
26) 2,2-Dichloropropane	6.82	77	94910	17.980	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	97450	20.405	ug/l	98
28) Bromochloromethane	7.19	49	82626	20.494	ug/l	98
29) Tetrahydrofuran	7.22	42	139220	100.263	ug/l	99
30) Chloroform	7.37	83	163506	20.127	ug/l	100
31) Cyclohexane	7.65	56	153577	20.021	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	130061	20.207	ug/l	98
36) 1,1-Dichloropropene	7.79	75	119337	19.311	ug/l	99
37) Ethyl Acetate	6.94	43	86783	17.250	ug/l	99
38) Carbon Tetrachloride	7.77	117	108081	18.383	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	124689	18.620	ug/l	98
40) Benzene	8.04	78	361457	19.407	ug/l	99
41) Methacrylonitrile	7.17	41	49621	17.768	ug/l	96
42) 1,2-Dichloroethane	8.12	62	126705	19.594	ug/l	100
43) Isopropyl Acetate	8.17	43	150423	19.404	ug/l	98
44) Trichloroethene	8.83	130	92197	19.763	ug/l	98
45) 1,2-Dichloropropane	9.12	63	105667	20.343	ug/l	98
46) Dibromomethane	9.21	93	57609	19.485	ug/l	98
47) Bromodichloromethane	9.40	83	117758	19.319	ug/l	98
48) Methyl methacrylate	9.20	41	74067	19.276	ug/l	99
49) 1,4-Dioxane	9.20	88	13037	362.154	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	438579	97.928	ug/l	98
52) Toluene	10.16	92	216801	20.324	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	100079	18.787	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	128371	19.417	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	80566	19.603	ug/l	98
56) Ethyl methacrylate	10.43	69	99922	20.259	ug/l	98
57) 1,3-Dichloropropane	10.71	76	143432	20.498	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	180383	90.426	ug/l	99
59) 2-Hexanone	10.75	43	268732	95.533	ug/l	98
60) Dibromochloromethane	10.90	129	78313	19.514	ug/l	99
61) 1,2-Dibromoethane	11.01	107	76431	20.205	ug/l	99
64) Tetrachloroethene	10.63	164	88656	19.072	ug/l	98
65) Chlorobenzene	11.43	112	225070	19.559	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	82892	19.586	ug/l	98
67) Ethyl Benzene	11.51	91	398240	19.379	ug/l	99
68) m/p-Xylenes	11.62	106	293442	39.434	ug/l	100
69) o-Xylene	11.95	106	144150	20.000	ug/l	98
70) Styrene	11.96	104	235434	20.180	ug/l	99
71) Bromoform	12.13	173	47338	19.514	ug/l #	98
73) Isopropylbenzene	12.25	105	380425	18.905	ug/l	100
74) N-amyl acetate	12.07	43	110750	19.551	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	97795	18.163	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	110419	27.078	ug/l #	100
77) Bromobenzene	12.53	156	94199	18.777	ug/l	97
78) n-propylbenzene	12.59	91	416399	19.153	ug/l	100
79) 2-Chlorotoluene	12.67	91	260407	19.203	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	308496	18.997	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	18320	17.965	ug/l	98
82) 4-Chlorotoluene	12.77	91	243273	19.228	ug/l	98
83) tert-Butylbenzene	12.99	119	257640	18.786	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	301532	19.593	ug/l	100
85) sec-Butylbenzene	13.17	105	331773	18.986	ug/l	99
86) p-Isopropyltoluene	13.29	119	287892	19.203	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	146121	19.163	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	140228	19.285	ug/l	99
89) n-Butylbenzene	13.61	91	214032	19.231	ug/l	99
90) Hexachloroethane	13.87	117	44636	18.298	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	148014	19.293	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11383	17.168	ug/l	88

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VN0415WBSD01

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Quant Title : SW846 8260
QLast Update : Mon Apr 15 12:28:28 2019
Response via : Initial Calibration

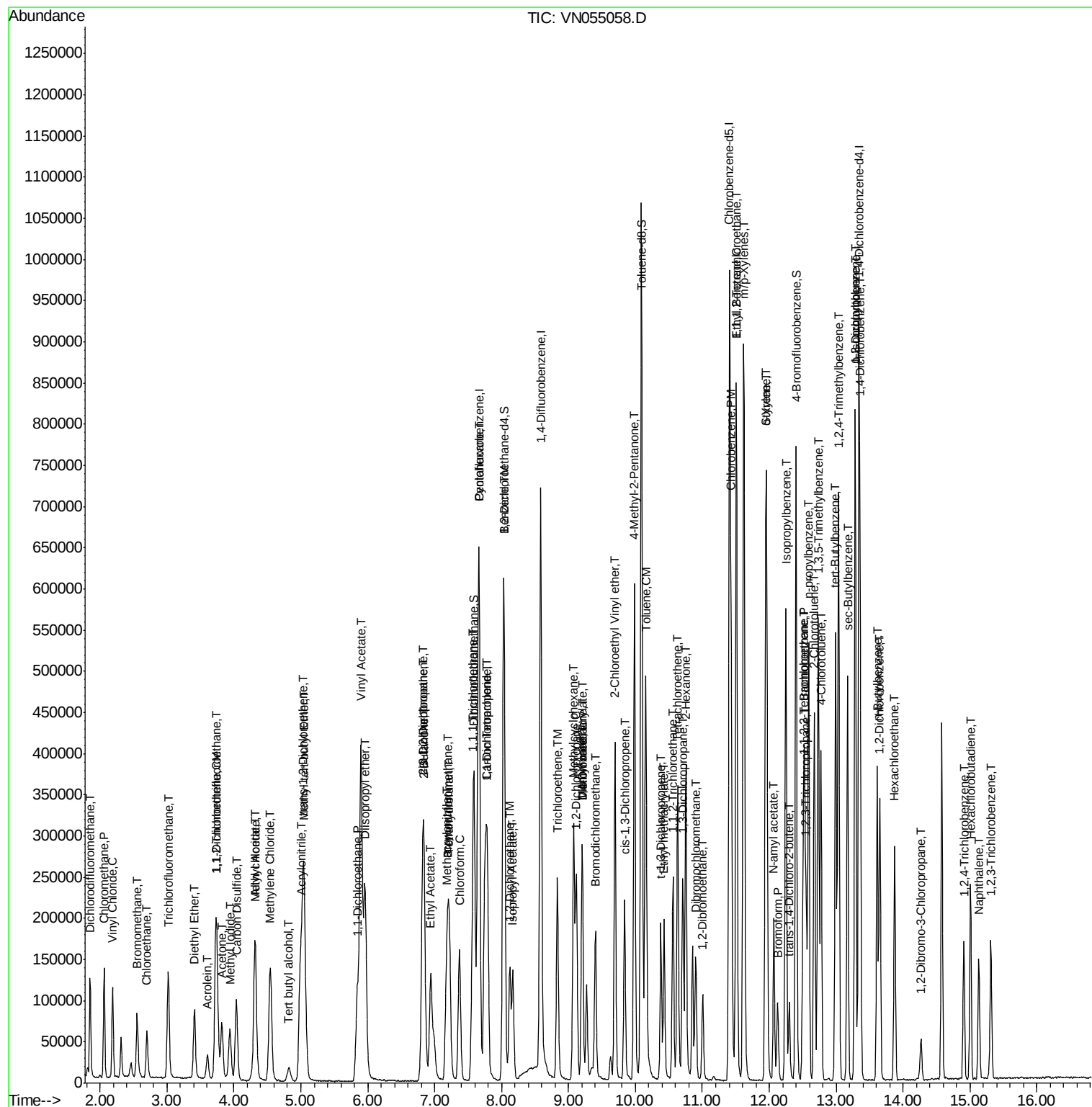
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	57454	18.313	ug/l	96
94) Hexachlorobutadiene	15.01	225	44434	18.751	ug/l	98
95) Naphthalene	15.13	128	127768	17.817	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	59070	19.958	ug/l	97

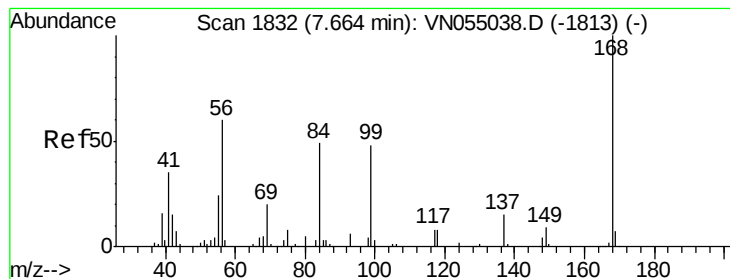
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN041519\
 Data File : VN055058.D
 Acq On : 15 Apr 2019 22:12
 Operator : JC/SP
 Sample : VN0415WBSD01
 Misc : 5.00mL/MSVOA N/WATER
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Instrument :
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Quant Time: Apr 16 05:54:44 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

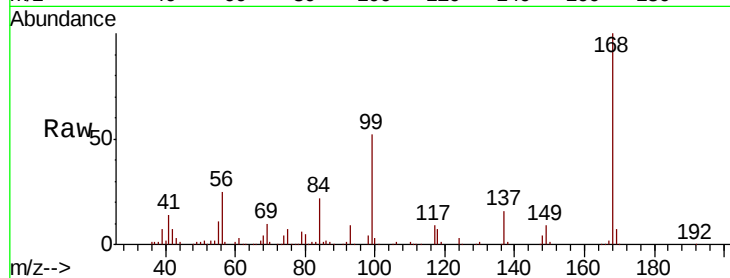
VN0415WBSD01

Tot Ion:168 Resp: 393239

Ion Ratio Lower Upper

168 100

99 50.2 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): VN055038.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN055038.D (-1813) (-)

7.66

150000

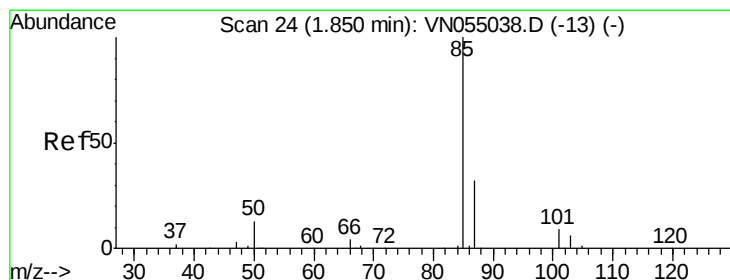
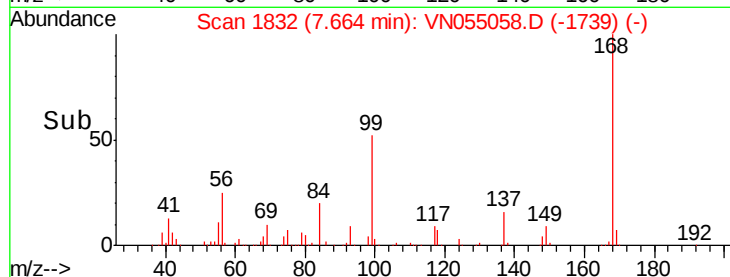
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 20.237 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055058.D

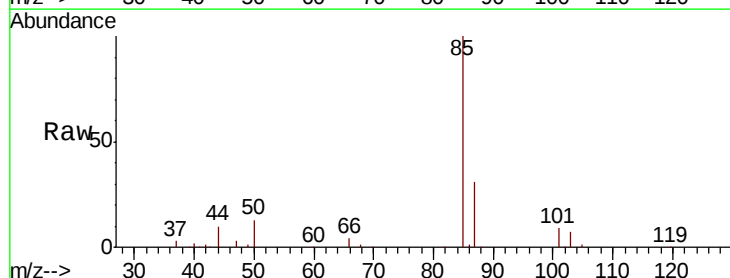
Acq: 15 Apr 2019 22:12

Tgt Ion: 85 Resp: 90440

Ion Ratio Lower Upper

85 100

87 30.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN055038.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN055038.D (-13) (-)

1.85

80000

60000

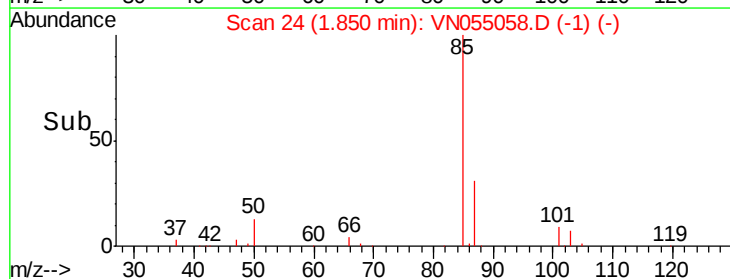
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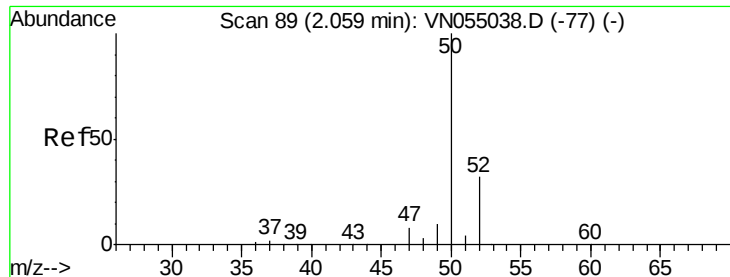
20000

0

1.80 1.85 1.90

Time-->

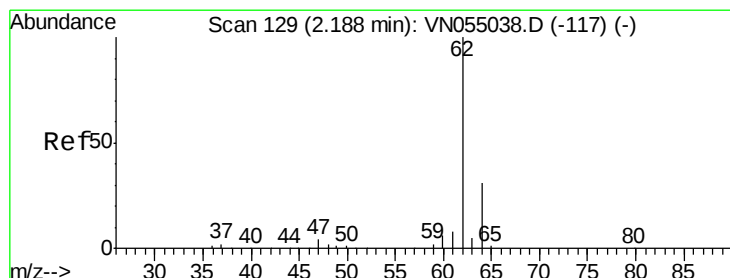
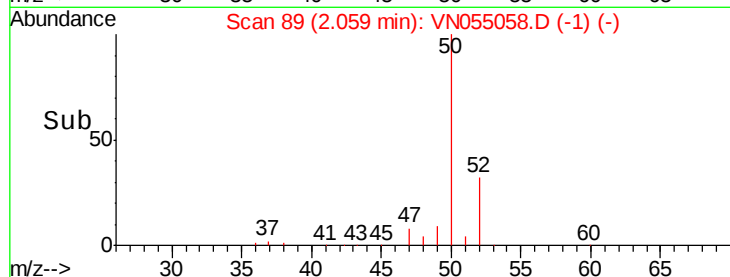
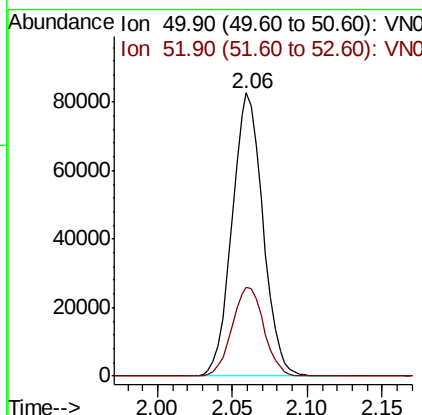
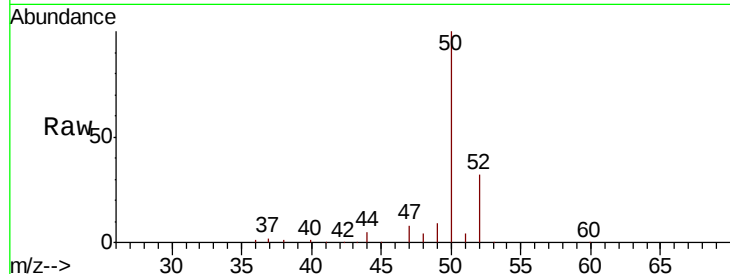




#3
 Chloromethane
 Concen: 20.361 ug/l
 RT: 2.06 min Scan# 89
 Delta R.T. -0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

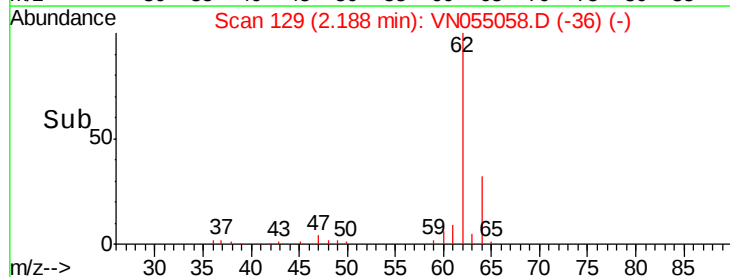
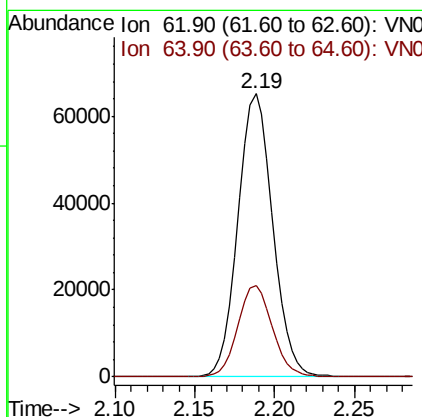
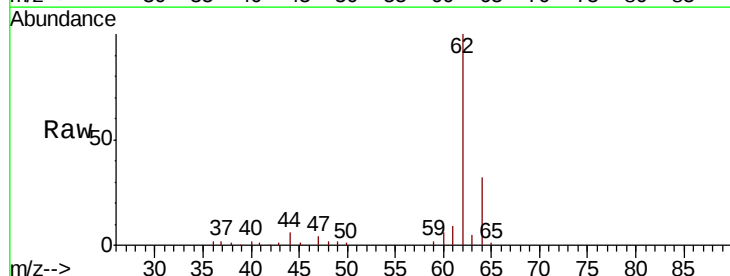
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBSD01

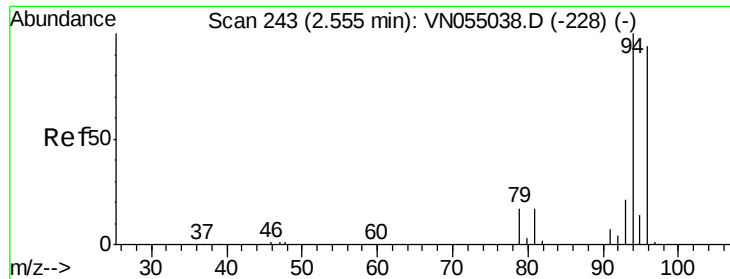
Tot Ion: 50 Resp: 118679
 Ion Ratio Lower Upper
 50 100
 52 31.6 26.6 40.0



#4
 Vinyl Chloride
 Concen: 19.643 ug/l
 RT: 2.19 min Scan# 129
 Delta R.T. -0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

Tgt Ion: 62 Resp: 96236
 Ion Ratio Lower Upper
 62 100
 64 32.4 25.8 38.6





#5

Bromomethane

Concen: 19.843 ug/l

RT: 2.55 min Scan# 243

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

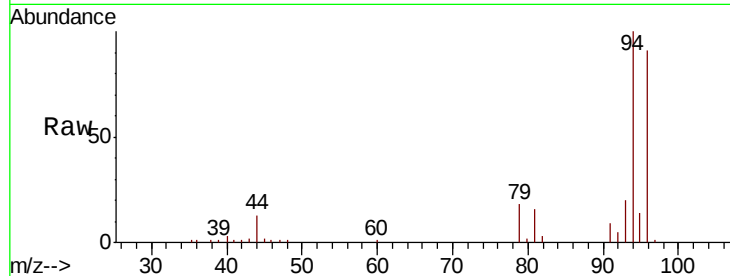
VN0415WBSD01

Tot Ion: 94 Resp: 54998

Ion Ratio Lower Upper

94 100

96 91.0 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

30000

25000

20000

15000

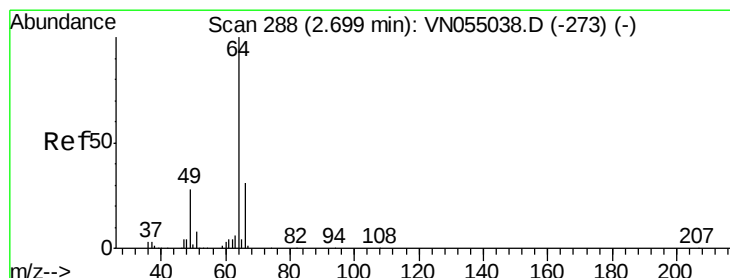
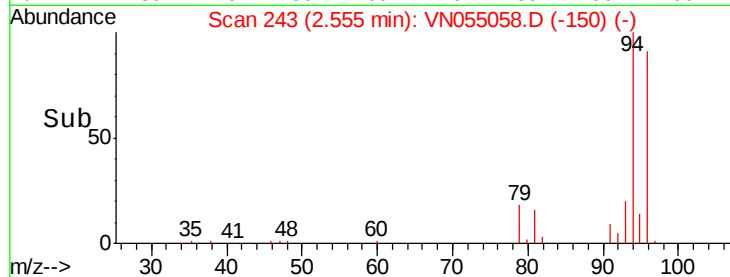
10000

5000

0

Time-->

2.50 2.55 2.60



#6

Chloroethane

Concen: 20.434 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN055058.D

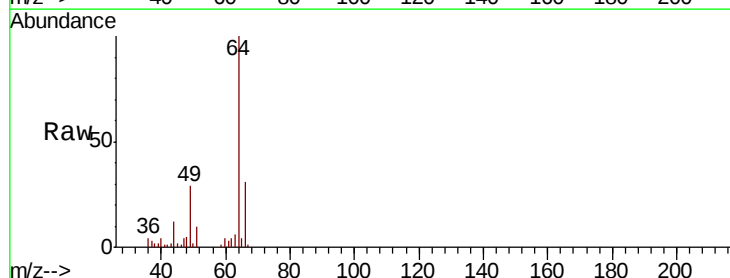
Acq: 15 Apr 2019 22:12

Tgt Ion: 64 Resp: 53989

Ion Ratio Lower Upper

64 100

66 31.3 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

30000

25000

20000

15000

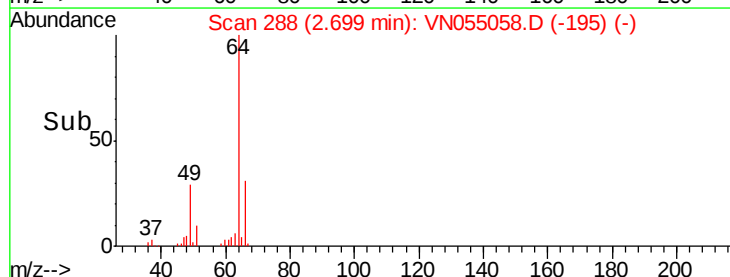
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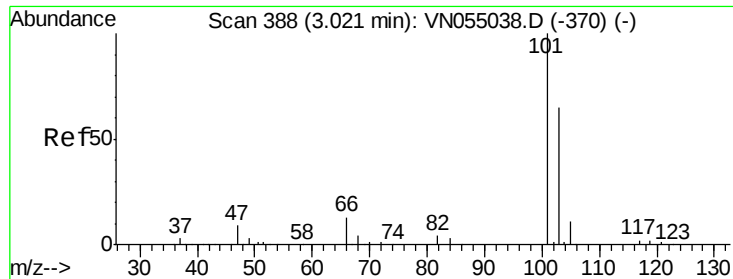
5000

0

Time-->

2.60 2.65 2.70 2.75 2.80



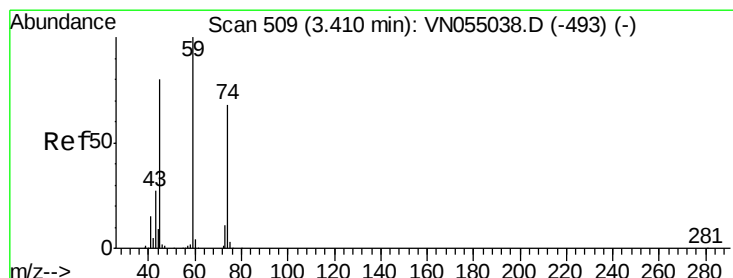
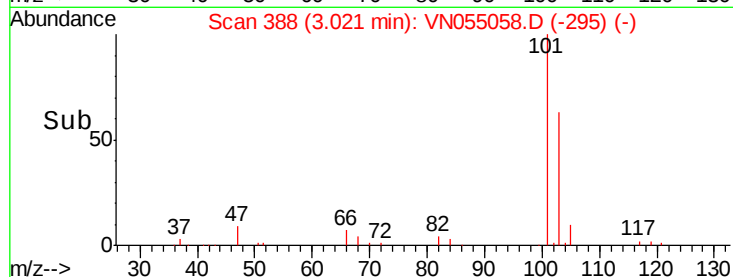
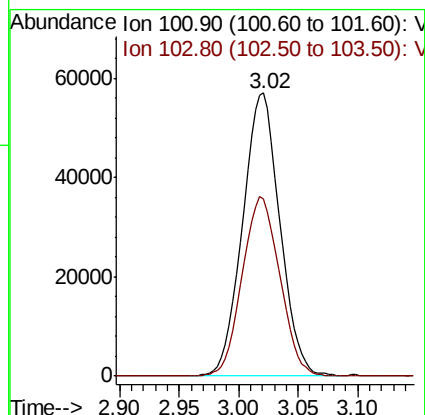
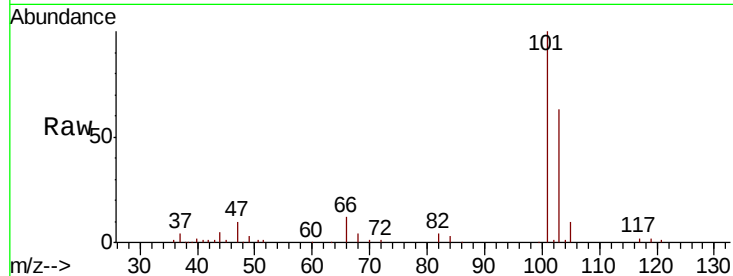


#7

Trichlorofluoromethane
 Concen: 20.214 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBSD01

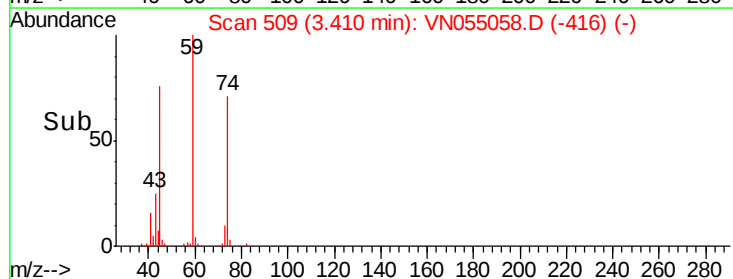
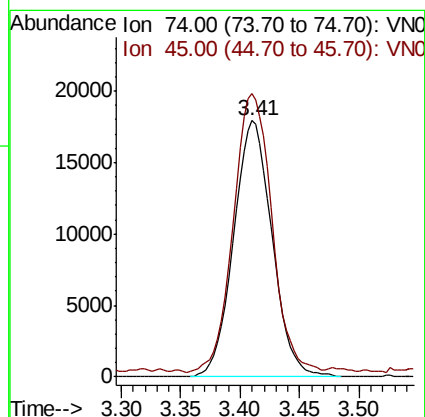
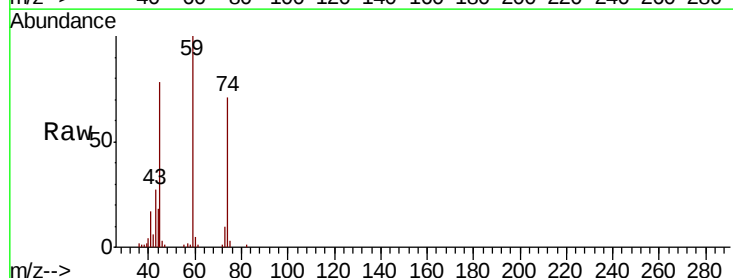
Tot Ion:101 Resp: 123853
 Ion Ratio Lower Upper
 101 100
 103 62.7 52.5 78.7

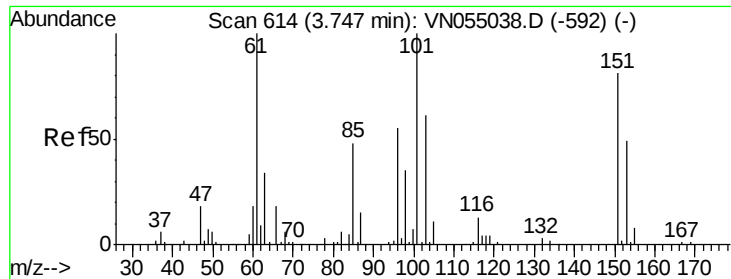


#8

Diethyl Ether
 Concen: 20.559 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

Tgt Ion: 74 Resp: 40211
 Ion Ratio Lower Upper
 74 100
 45 108.1 55.7 167.1

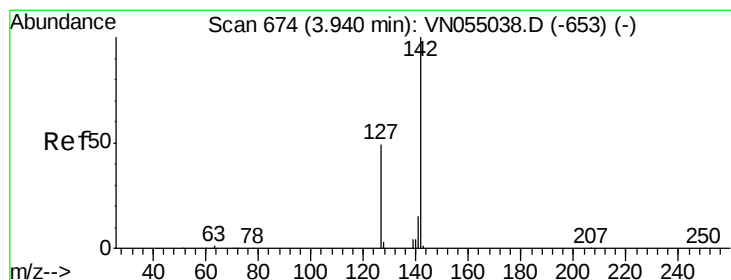
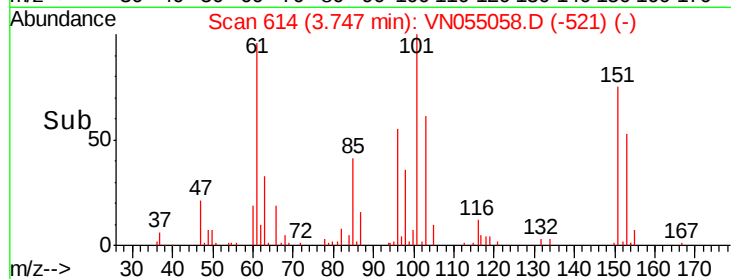
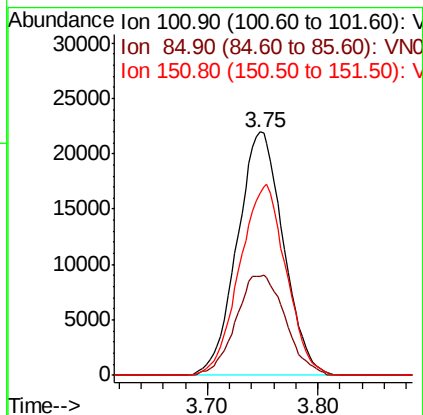
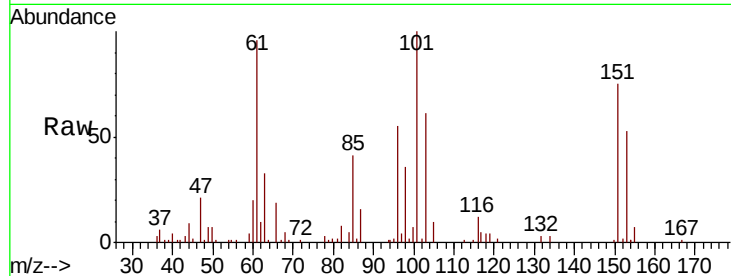




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.828 ug/l
 RT: 3.75 min Scan# 614
 Delta R.T. -0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

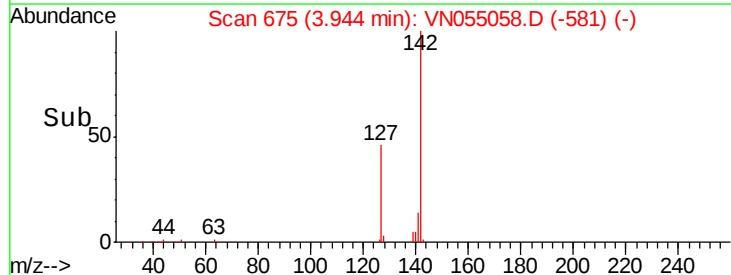
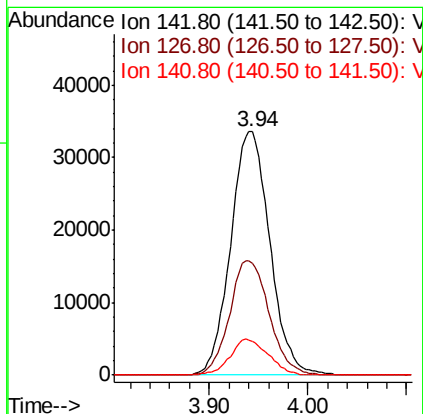
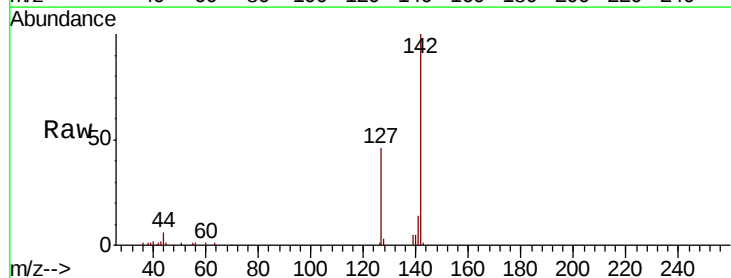
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBSD01

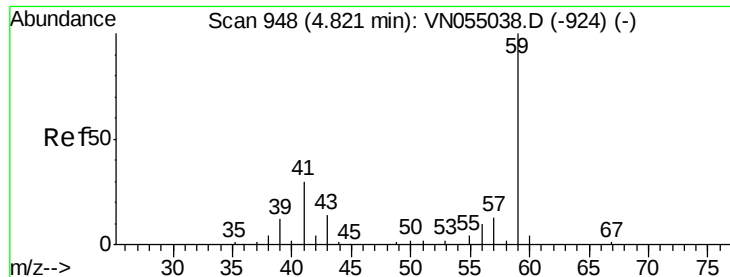
Tot Ion:101 Resp: 63580
 Ion Ratio Lower Upper
 101 100
 85 43.9 36.9 55.3
 151 78.9 64.4 96.6



#10
 Methyl Iodide
 Concen: 18.636 ug/l
 RT: 3.94 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

Tgt Ion:142 Resp: 92734
 Ion Ratio Lower Upper
 142 100
 127 47.4 37.9 56.9
 141 14.2 11.8 17.8

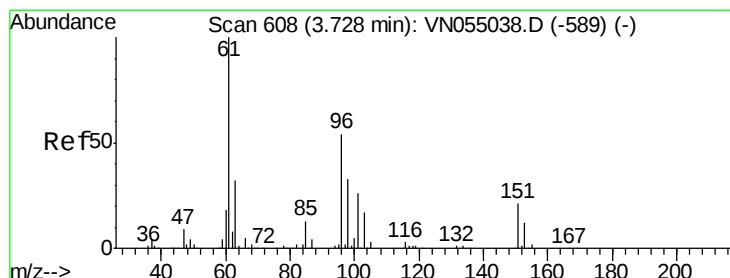
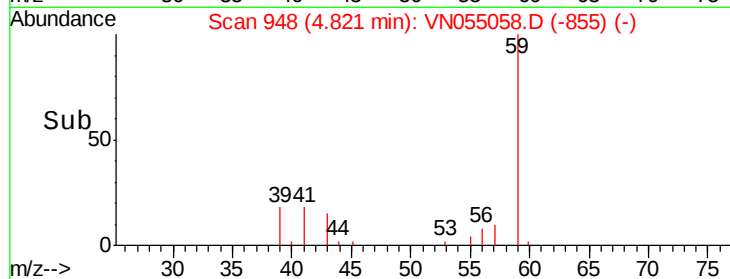
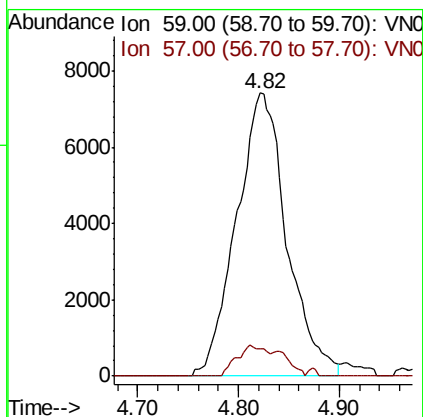
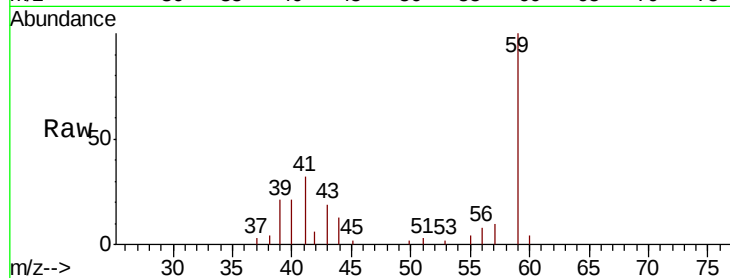




#11
Tert butyl alcohol
Concen: 89.715 ug/l
RT: 4.82 min Scan# 948
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

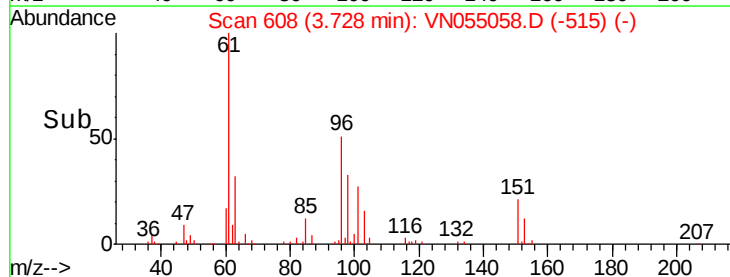
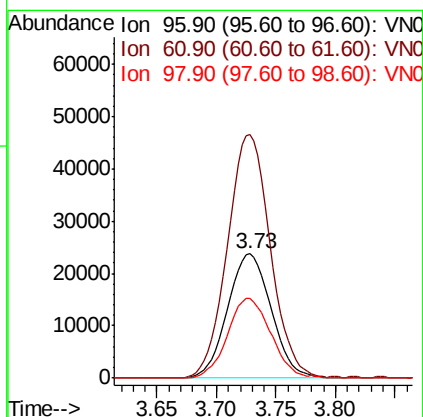
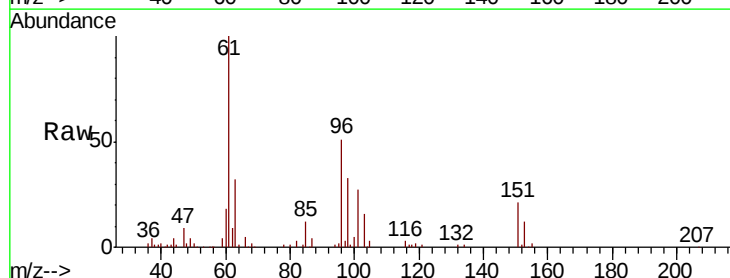
Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD01

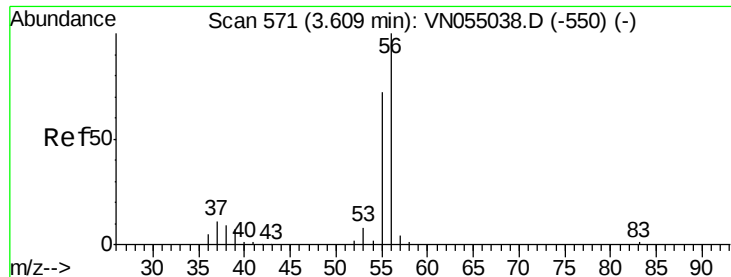
Tot Ion: 59 Resp: 25705
Ion Ratio Lower Upper
59 100
57 6.4 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 19.320 ug/l
RT: 3.73 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

Tgt Ion: 96 Resp: 60302
Ion Ratio Lower Upper
96 100
61 195.0 154.2 231.4
98 64.3 52.9 79.3





#13

Acrolein

Concen: 88.821 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.01 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Instrument :

MSVOA_N

ClientSampled :

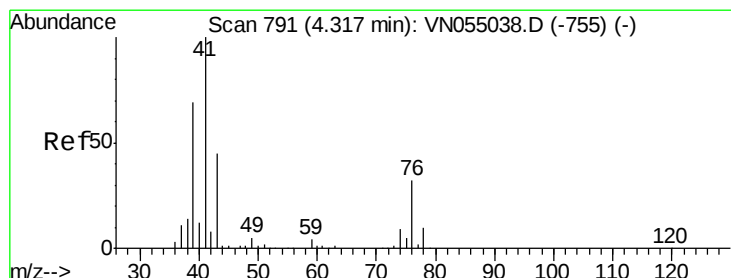
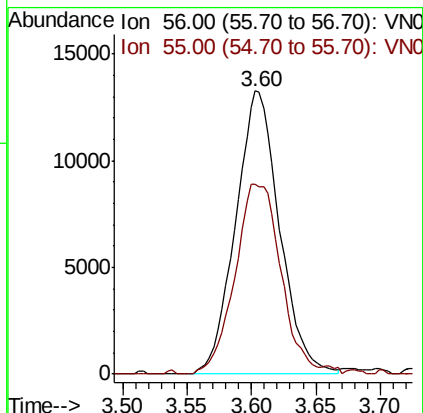
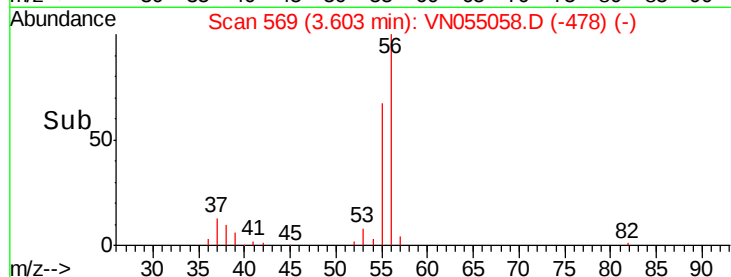
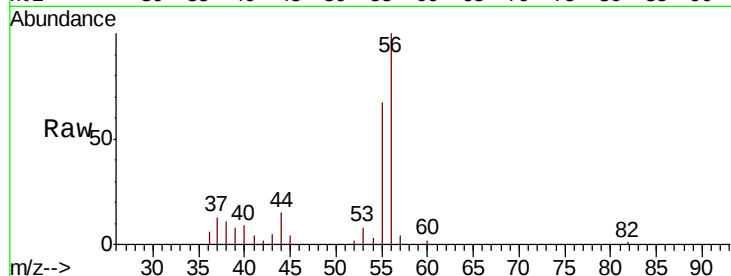
VN0415WBSD01

Tot Ion: 56 Resp: 31456

Ion Ratio Lower Upper

56 100

55 69.9 59.5 89.3



#14

Allyl chloride

Concen: 19.837 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

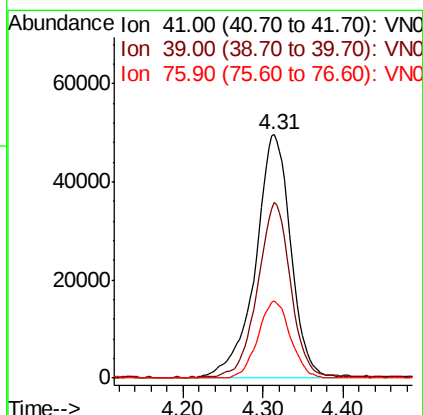
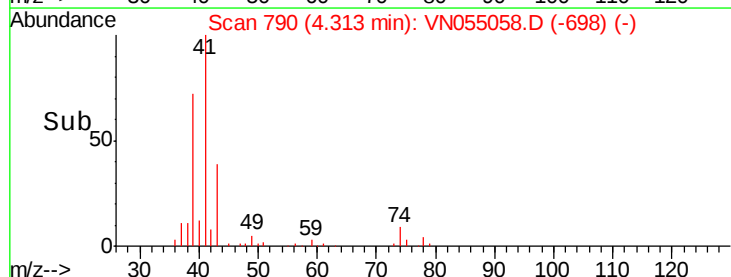
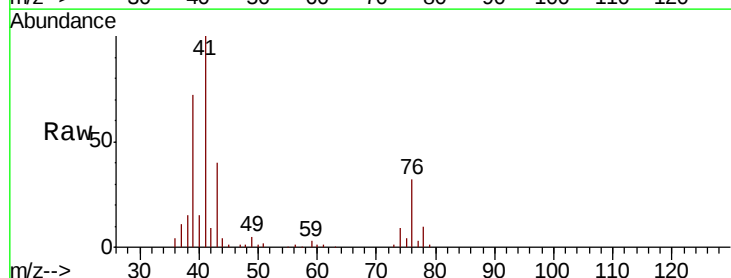
Tgt Ion: 41 Resp: 151555

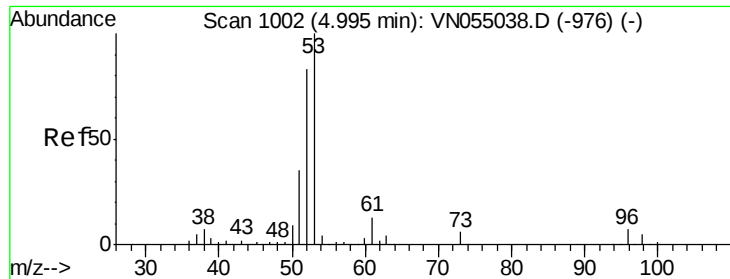
Ion Ratio Lower Upper

41 100

39 65.5 52.7 79.1

76 29.0 23.2 34.8



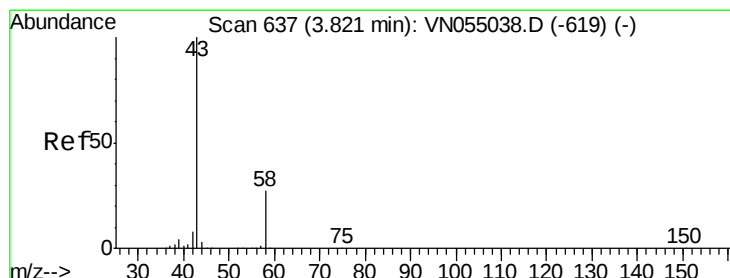
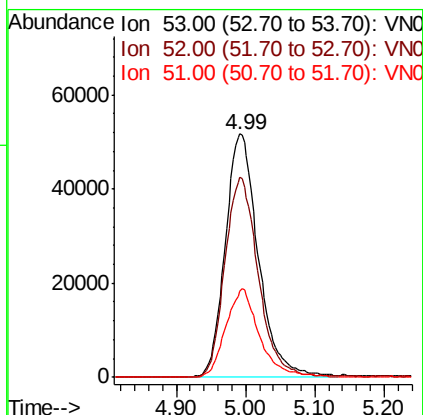
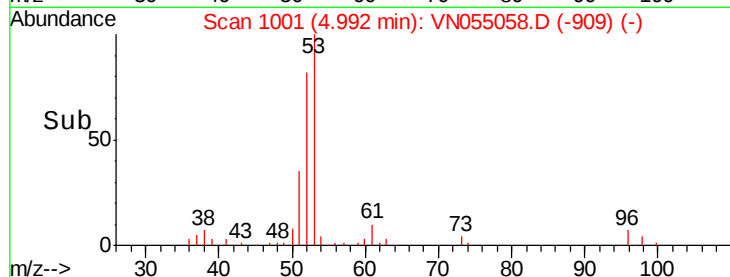
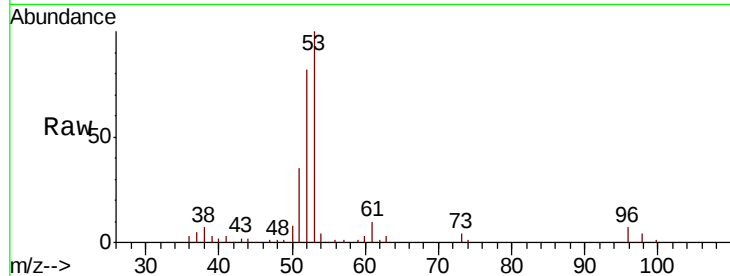


#15
 Acrylonitrile
 Concen: 100.615 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBSD01

Tot Ion: 53 Resp: 172477

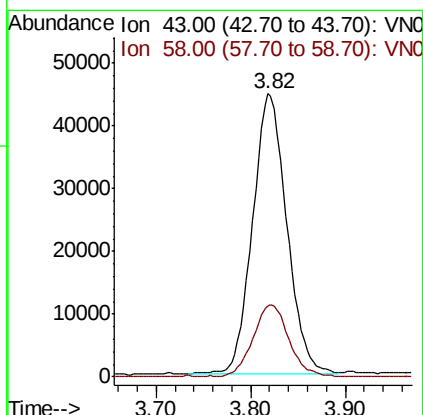
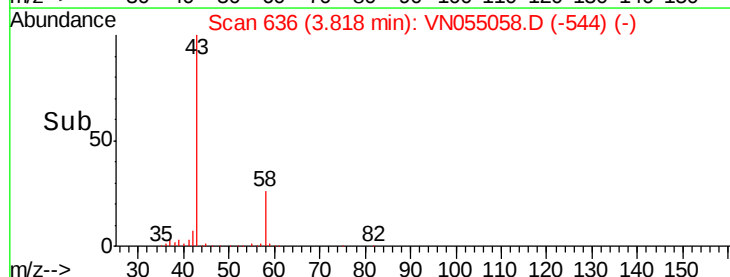
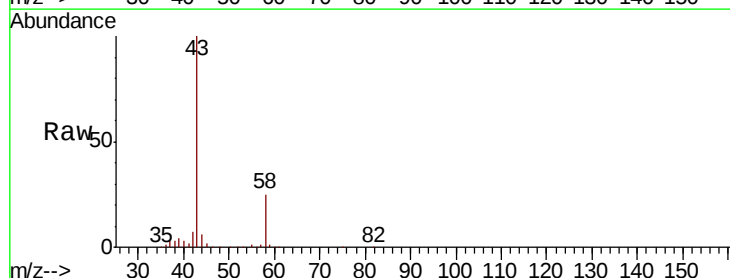
Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.9	98.9
51	36.5	29.7	44.5

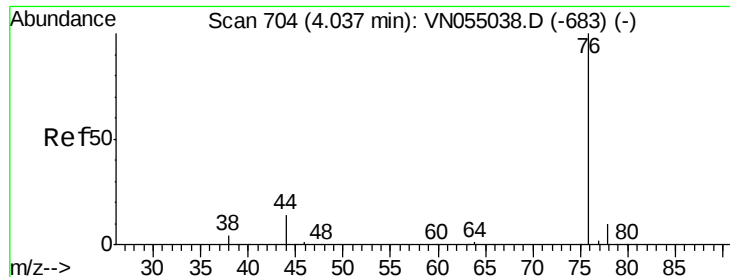


#16
 Acetone
 Concen: 78.907 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

Tgt Ion: 43 Resp: 111948

Ion	Ratio	Lower	Upper
43	100		
58	25.5	20.9	31.3

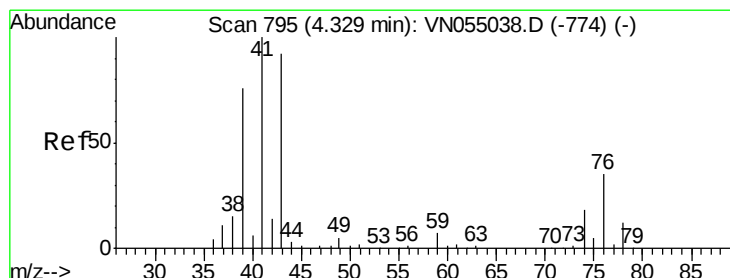
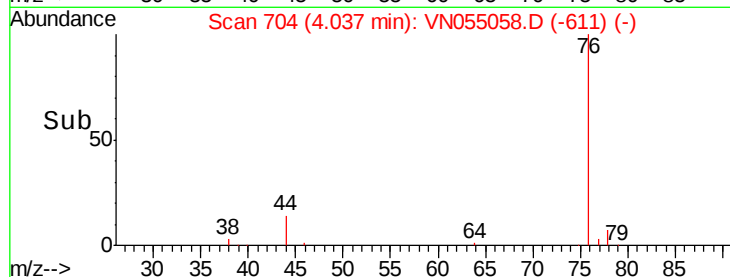
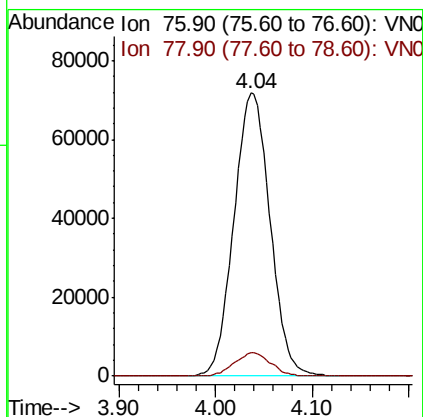
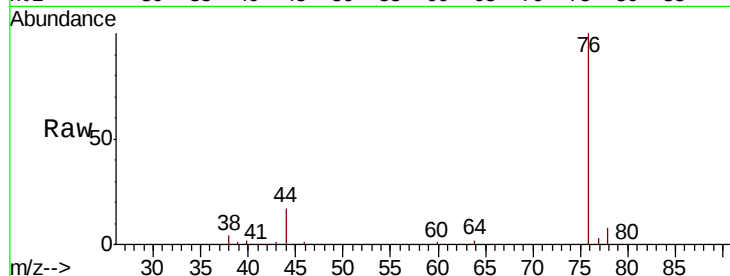




#17
Carbon Disulfide
Concen: 18.505 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

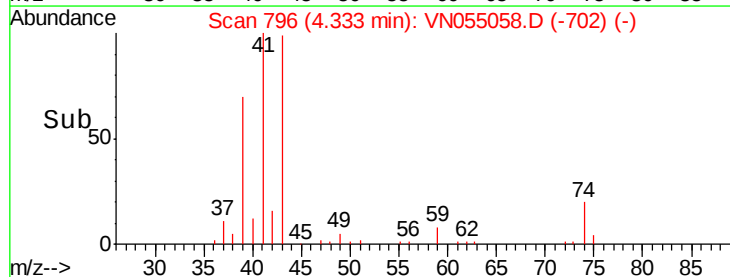
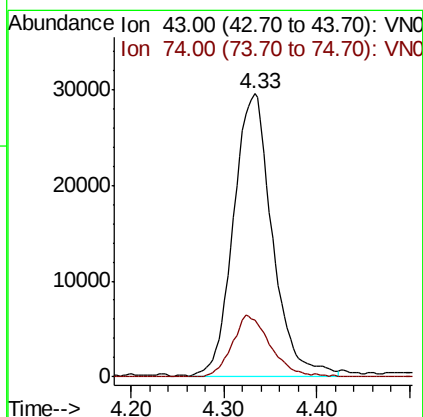
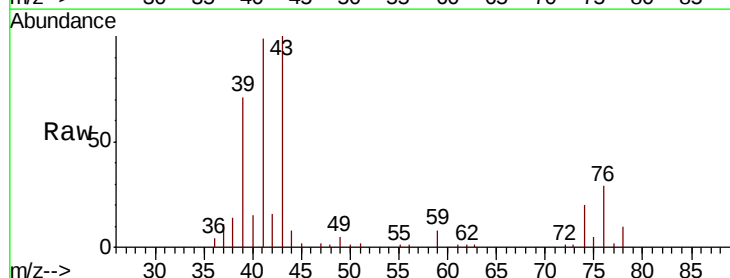
Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD01

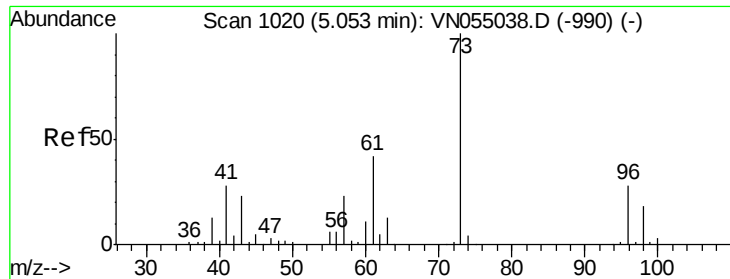
Tot Ion: 76 Resp: 186440
Ion Ratio Lower Upper
76 100
78 8.5 7.2 10.8



#18
Methyl Acetate
Concen: 20.849 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

Tgt Ion: 43 Resp: 86295
Ion Ratio Lower Upper
43 100
74 21.1 16.1 24.1

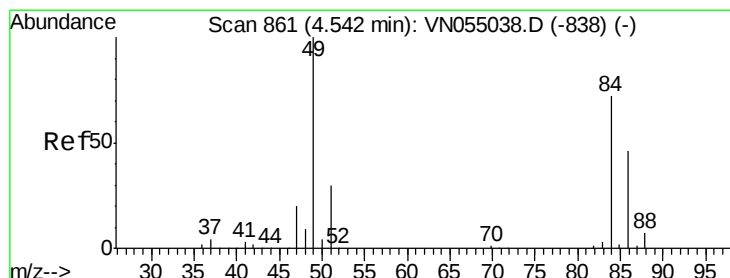
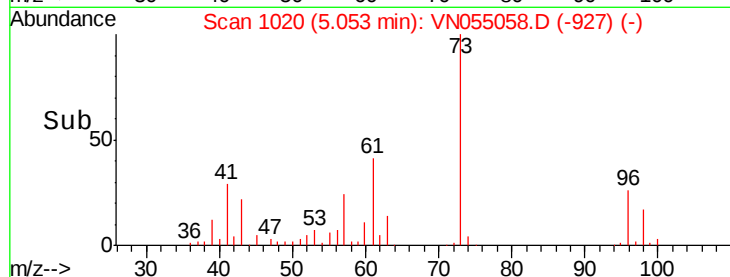
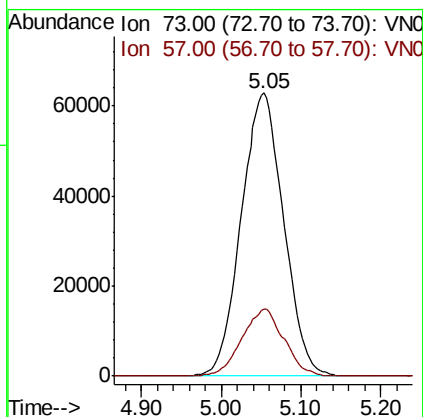
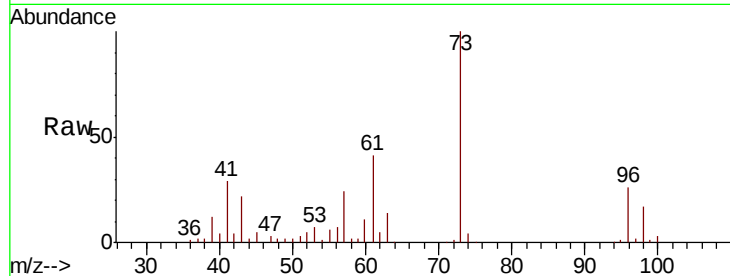




#19
Methvl tert-butvl Ether
Concen: 20.338 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

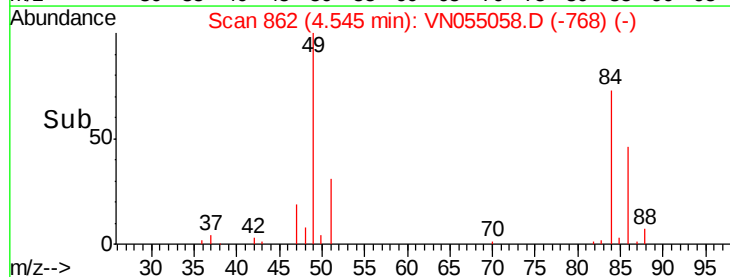
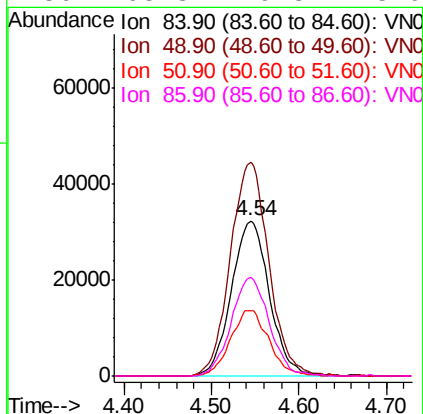
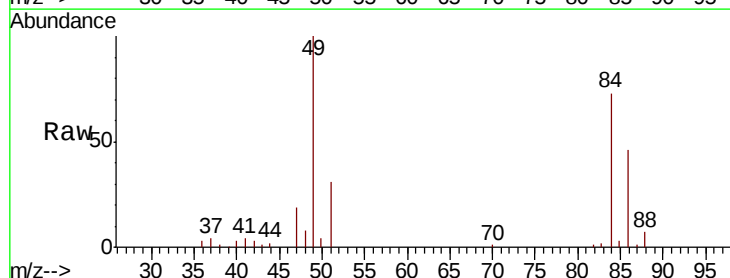
Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD01

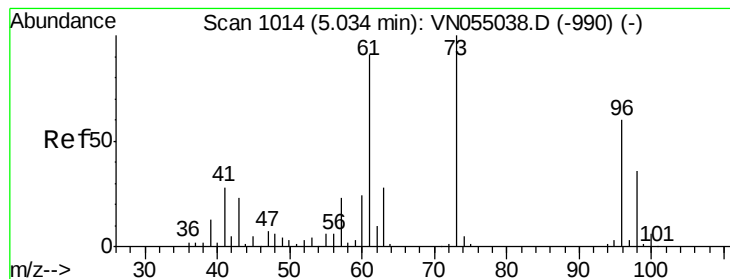
Tot Ion: 73 Resp: 227070
Ion Ratio Lower Upper
73 100
57 23.7 19.0 28.4



#20
Methylene Chloride
Concen: 19.506 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

Tgt Ion: 84 Resp: 97283
Ion Ratio Lower Upper
84 100
49 137.9 109.4 164.2
51 42.4 32.2 48.4
86 63.3 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 19.750 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Instrument :

MSVOA_N

ClientSampled :

VN0415WBSD01

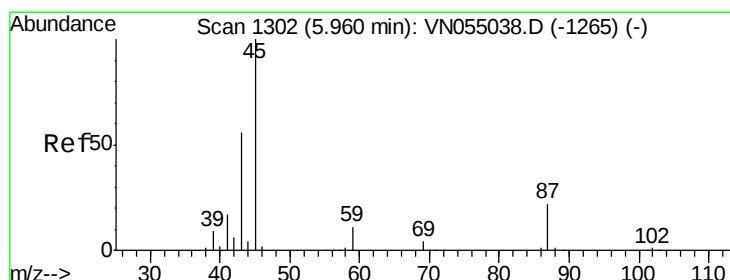
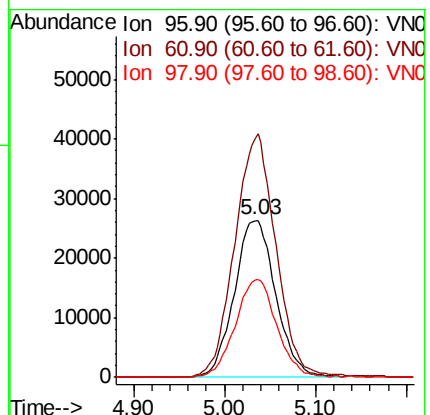
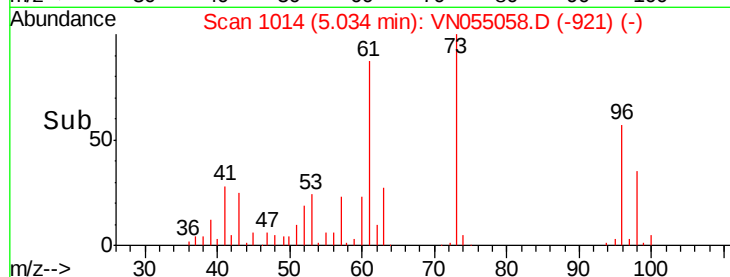
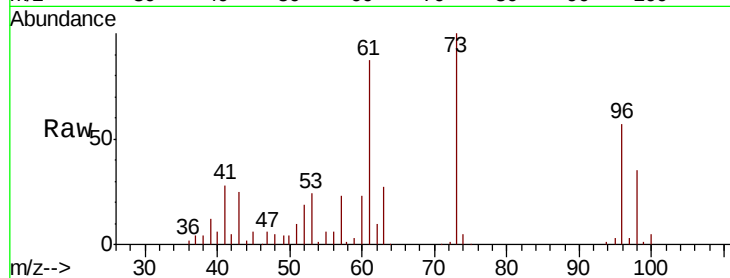
Tot Ion: 96 Resp: 83371

Ion Ratio Lower Upper

96 100

61 152.8 114.9 172.3

98 62.0 48.4 72.6



#22

Diisopropyl ether

Concen: 20.517 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Tgt Ion: 45 Resp: 322224

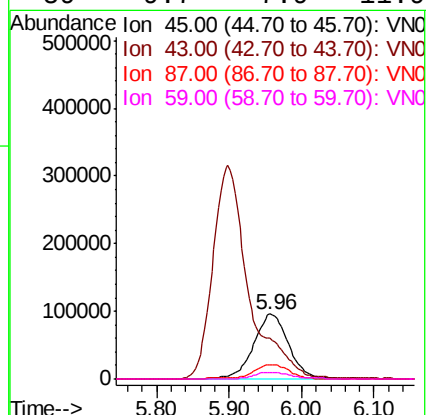
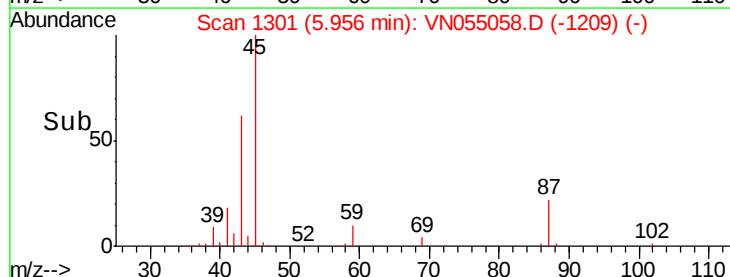
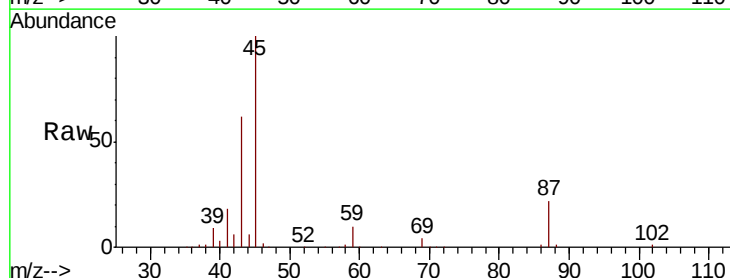
Ion Ratio Lower Upper

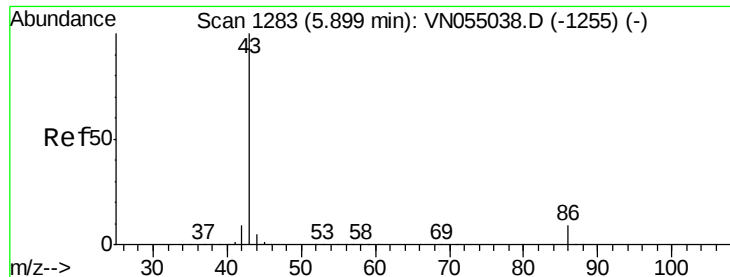
45 100

43 60.6 44.8 67.2

87 21.6 18.9 28.3

59 9.7 7.9 11.9

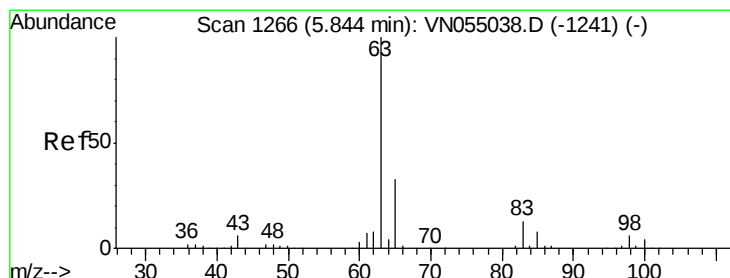
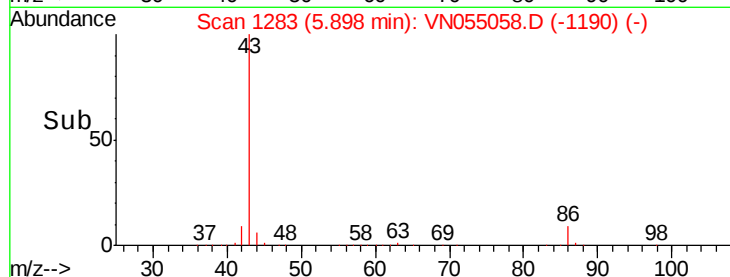
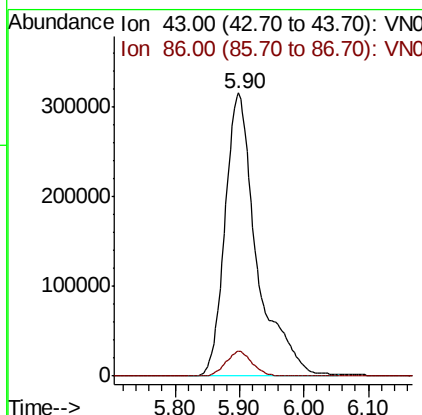
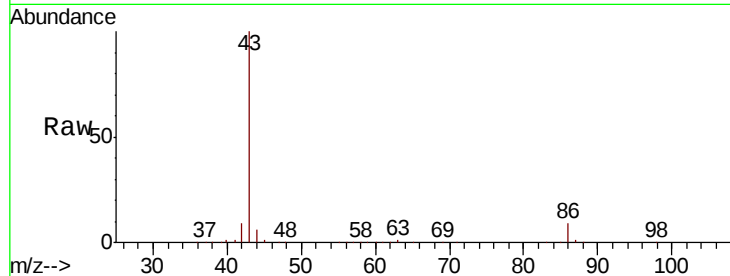




#23
 Vinyl Acetate
 Concen: 104.232 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

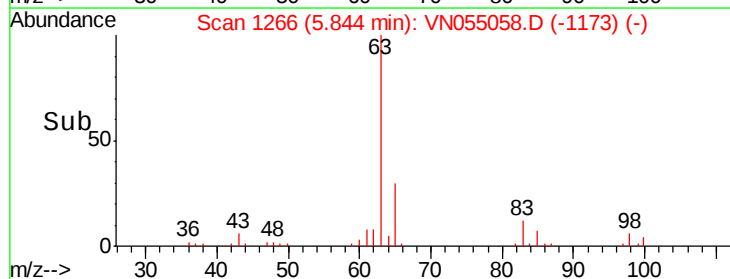
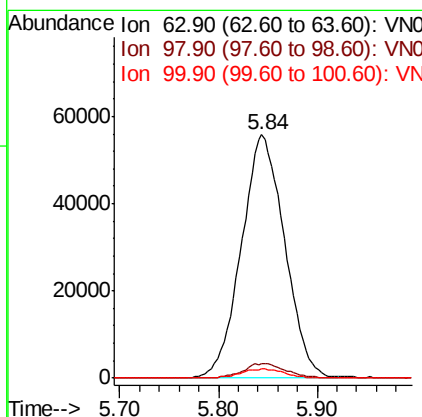
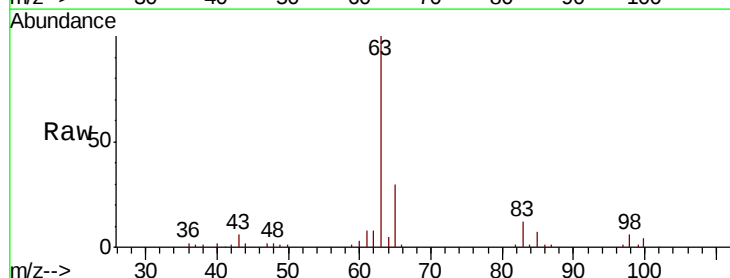
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBSD01

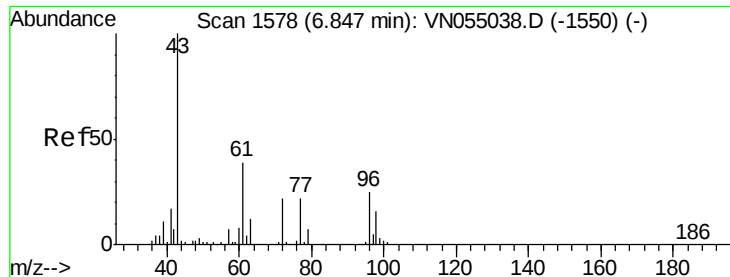
Tot Ion: 43 Resp: 1082039
 Ion Ratio Lower Upper
 43 100
 86 8.7 7.0 10.4



#24
 1,1-Dichloroethane
 Concen: 20.287 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

Tgt Ion: 63 Resp: 169669
 Ion Ratio Lower Upper
 63 100
 98 5.8 2.8 8.4
 100 3.6 2.0 5.8





#25

2-Butanone

Concen: 94.364 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

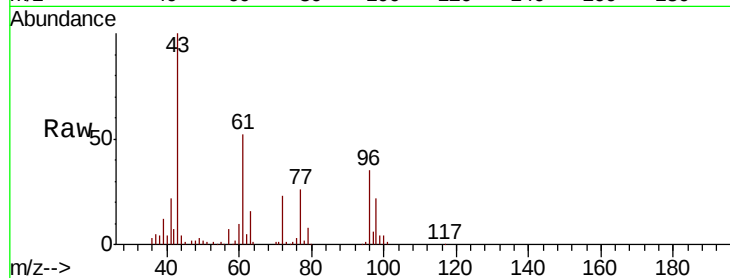
VN0415WBSD01

Tot Ion: 43 Resp: 199811

Ion Ratio Lower Upper

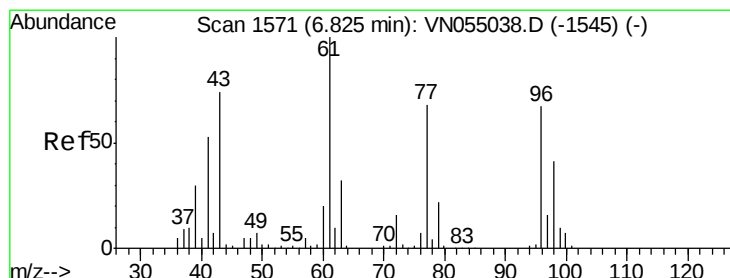
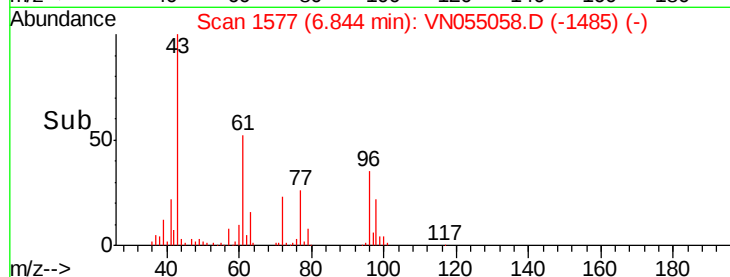
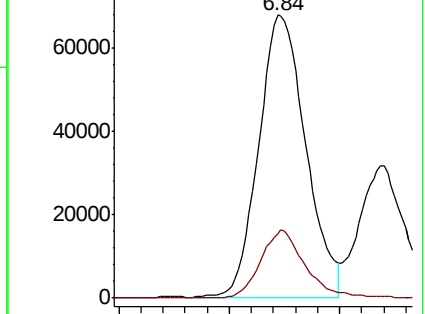
43 100

72 23.0 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: 17.980 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055058.D

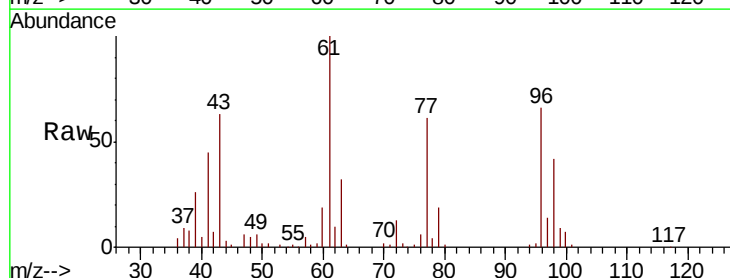
Acq: 15 Apr 2019 22:12

Tgt Ion: 77 Resp: 94910

Ion Ratio Lower Upper

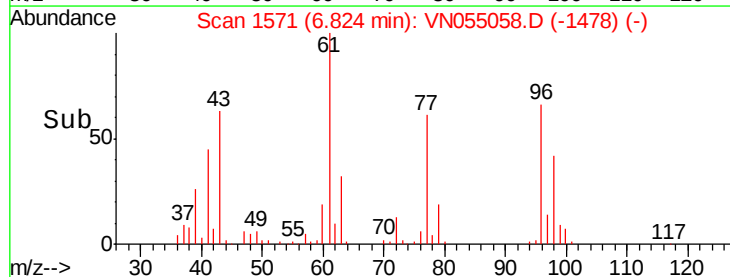
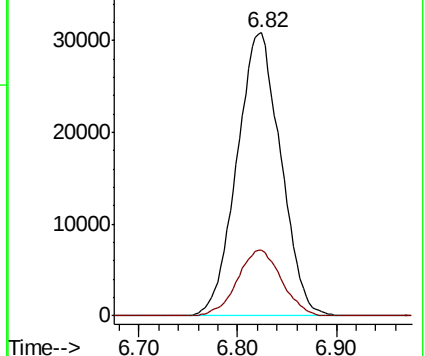
77 100

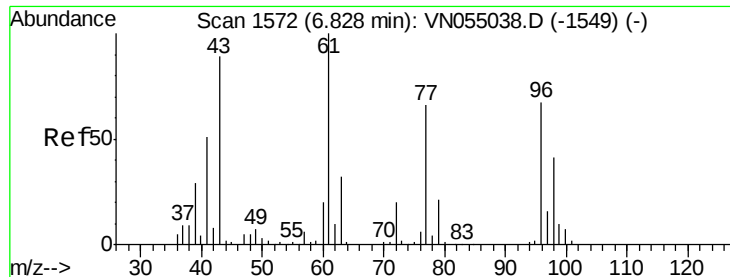
97 23.2 11.3 33.9



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: 20.405 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBSD01

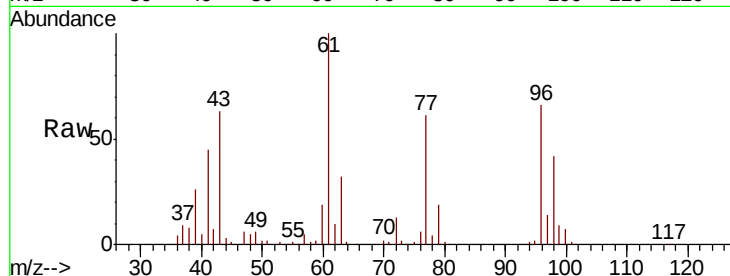
Tot Ion: 96 Resp: 97450

Ion Ratio Lower Upper

96 100

61 151.9 0.0 311.0

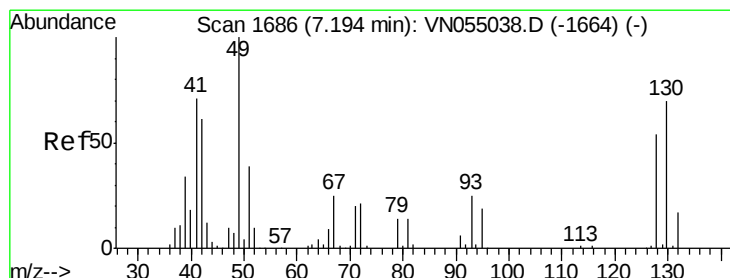
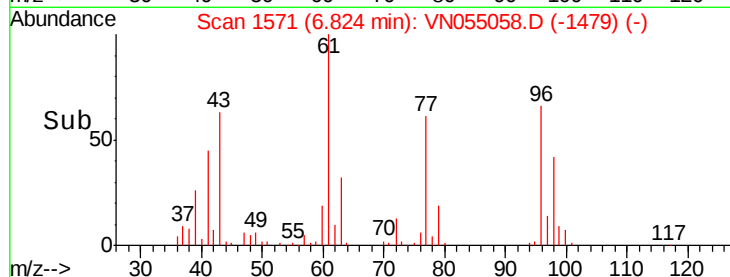
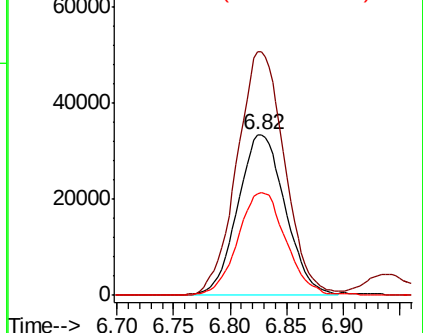
98 64.2 0.0 127.4



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: 20.494 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

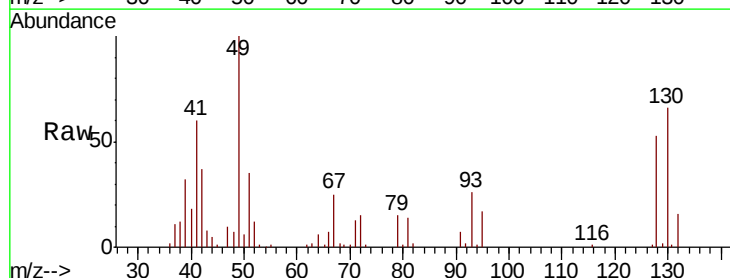
Tgt Ion: 49 Resp: 82626

Ion Ratio Lower Upper

49 100

129 1.1 0.0 2.0

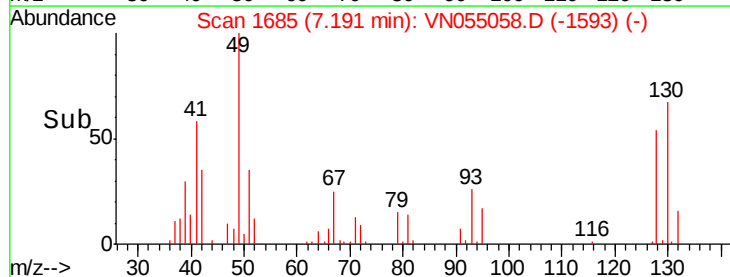
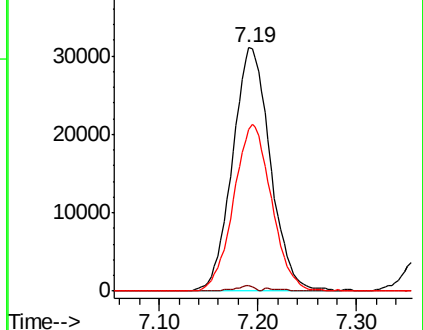
130 68.6 53.4 80.2

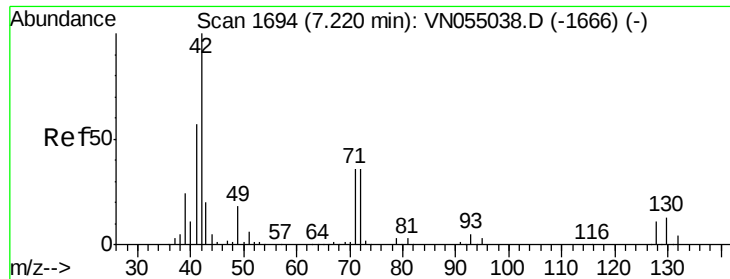


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

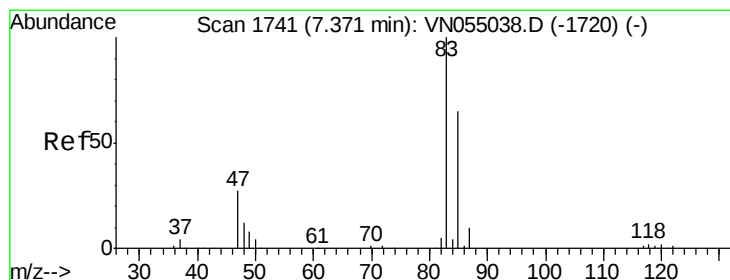
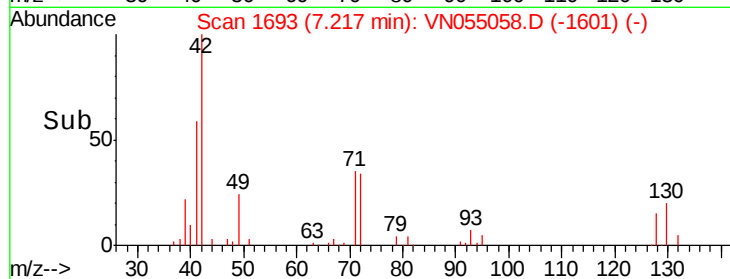
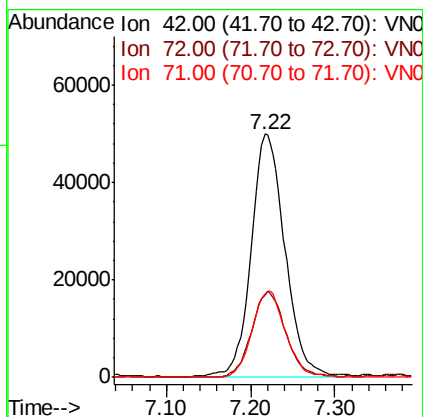
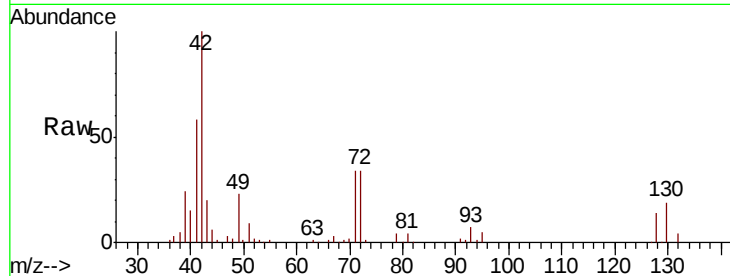




#29
Tetrahydrofuran
Concen: 100.263 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

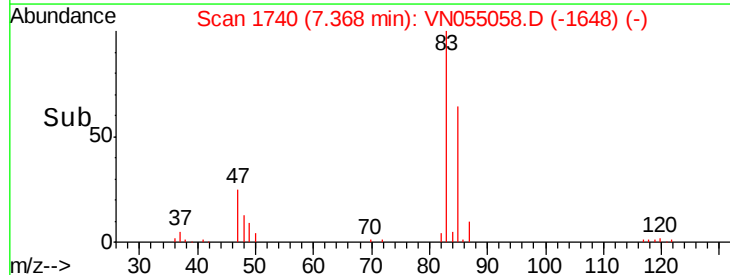
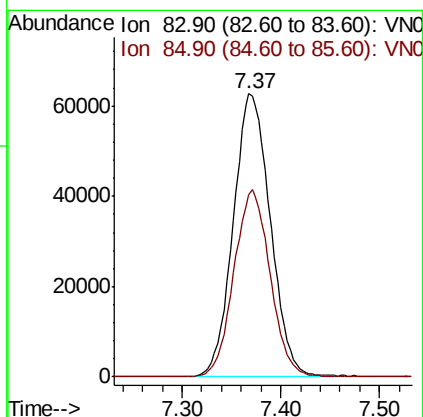
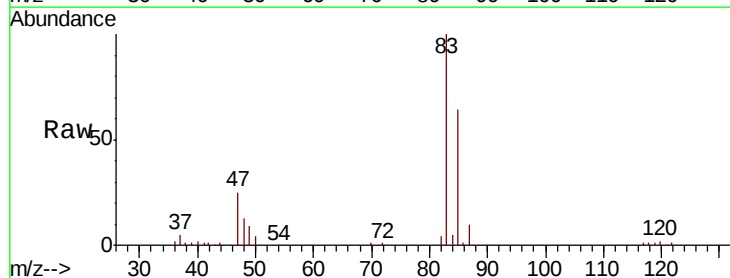
Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD01

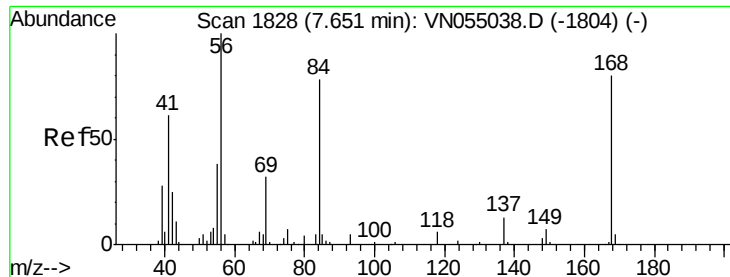
Tot Ion: 42 Resp: 139220
Ion Ratio Lower Upper
42 100
72 35.6 29.4 44.0
71 35.0 27.8 41.6



#30
Chloroform
Concen: 20.127 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

Tgt Ion: 83 Resp: 163506
Ion Ratio Lower Upper
83 100
85 64.4 51.8 77.6

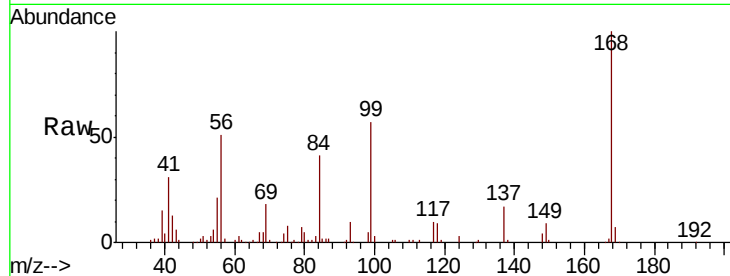




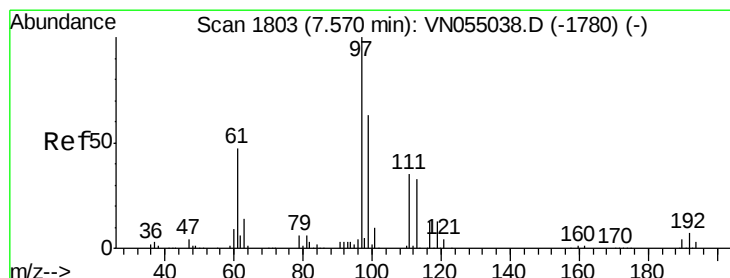
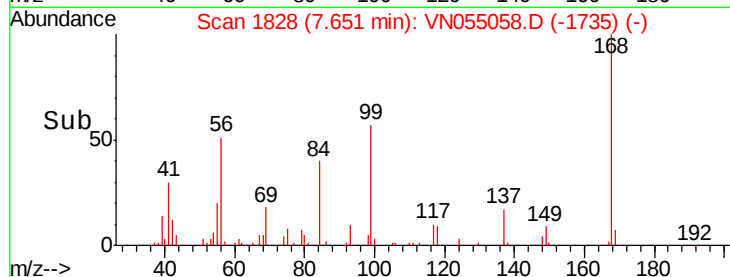
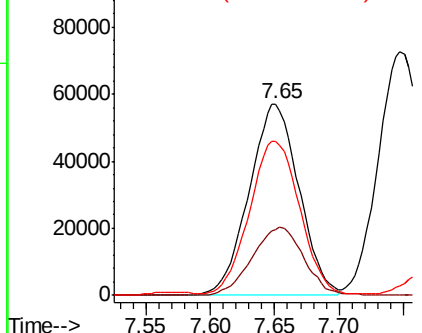
#31
Cyclohexane
Concen: 20.021 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD01

Tot Ion: 56 Resp: 153577
Ion Ratio Lower Upper
56 100
69 34.5 24.5 36.7
84 79.0 62.9 94.3

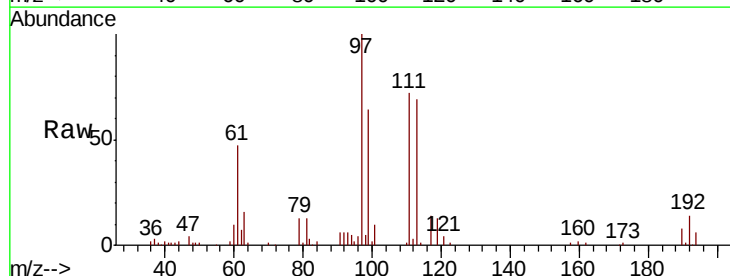


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

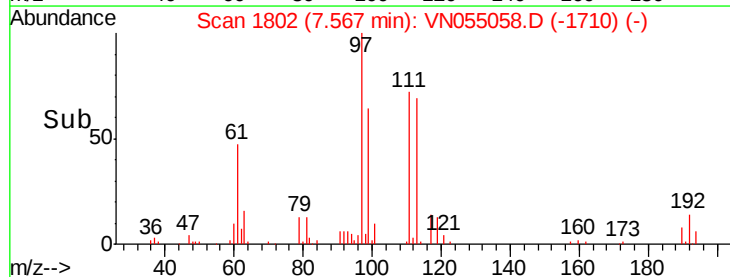
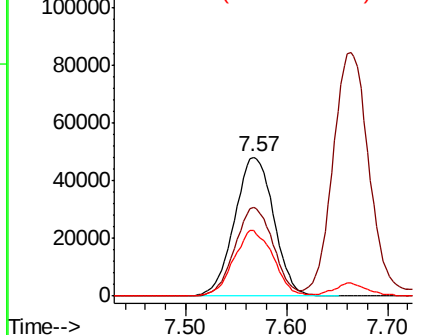


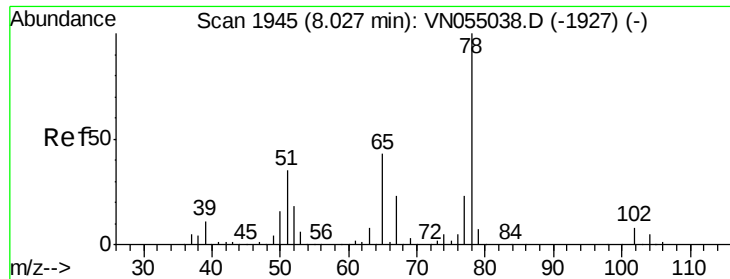
#32
1,1,1-Trichloroethane
Concen: 20.207 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

Tgt Ion: 97 Resp: 130061
Ion Ratio Lower Upper
97 100
99 62.8 51.6 77.4
61 47.5 38.3 57.5



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 50.967 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

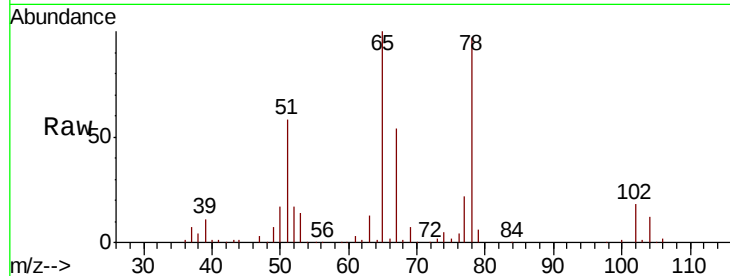
VN0415WBSD01

Tot Ion: 65 Resp: 266410

Ion Ratio Lower Upper

65 100

67 54.0 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

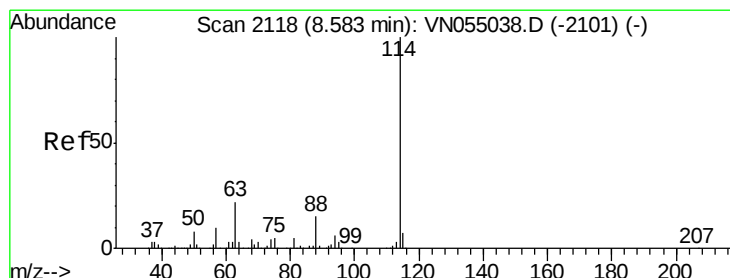
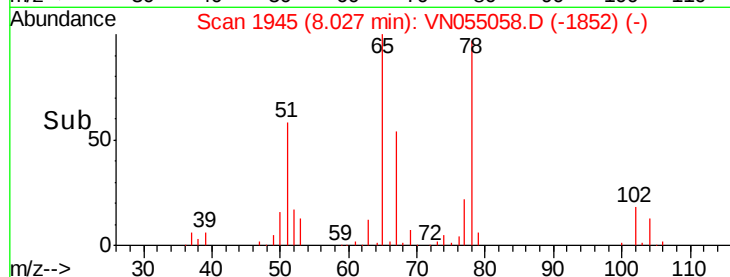
8.03

100000

50000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

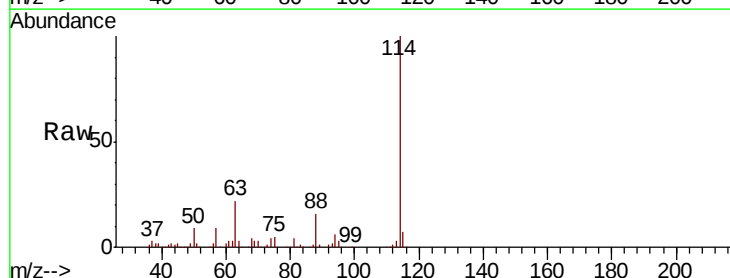
Tgt Ion:114 Resp: 655542

Ion Ratio Lower Upper

114 100

63 21.7 0.0 45.2

88 15.7 0.0 31.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.59

400000

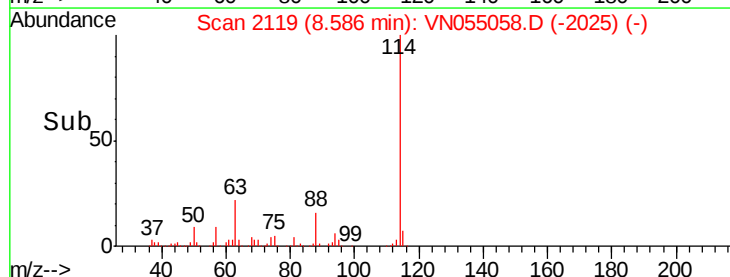
300000

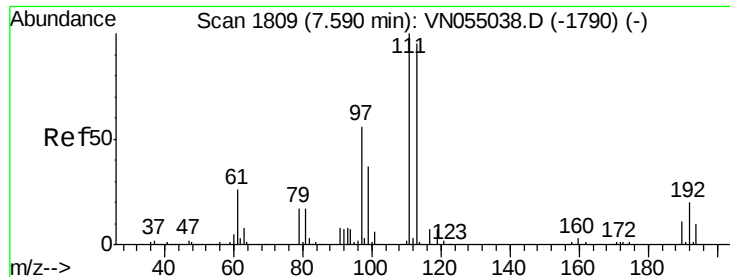
200000

100000

0

Time--> 8.50 8.60 8.70

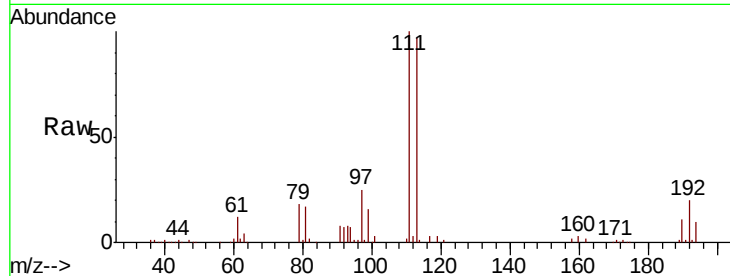




#35
 Dibromofluoromethane
 Concen: 49.529 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.1	123.1
192	21.0	16.5	24.7

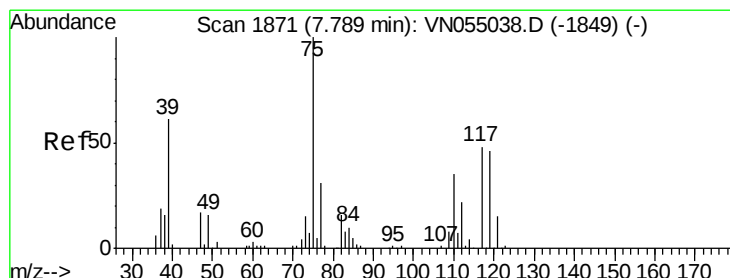
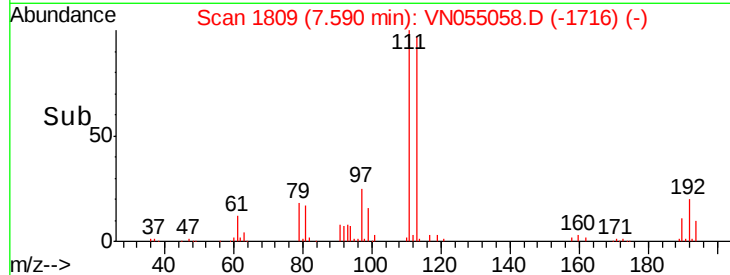
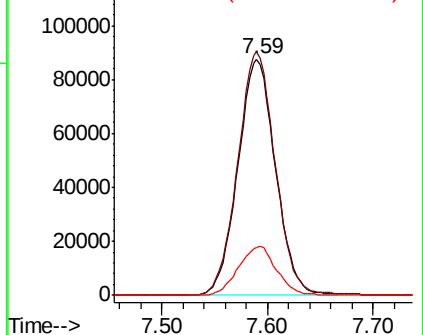


Abundance

Ion 112.80 (112.50 to 113.50): V

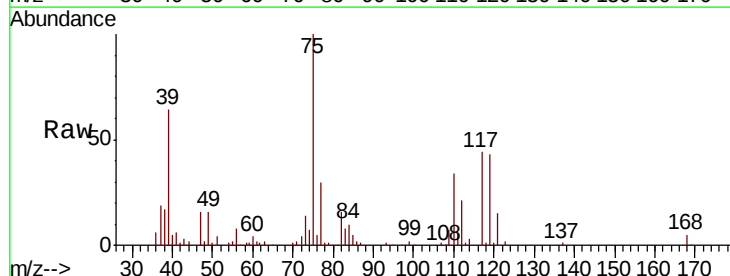
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 19.311 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.5	52.5
77	30.2	24.9	37.3

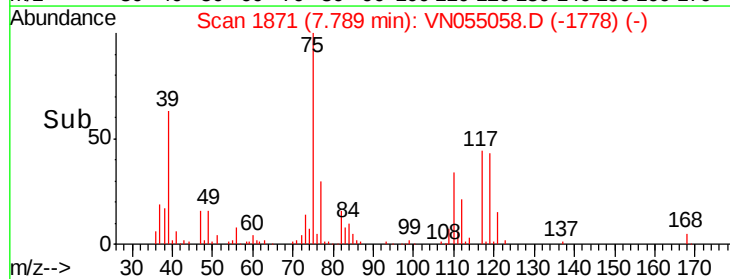
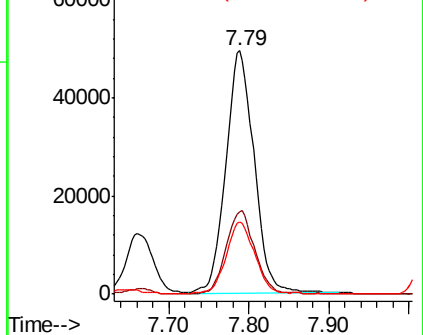


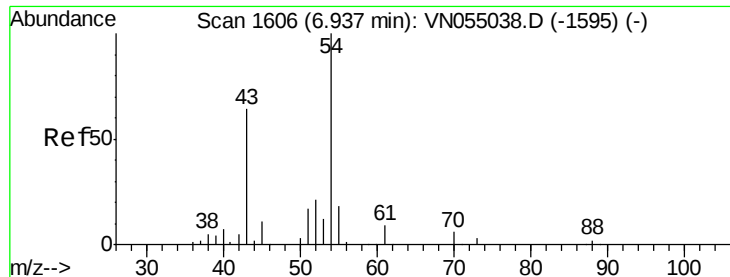
Abundance

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

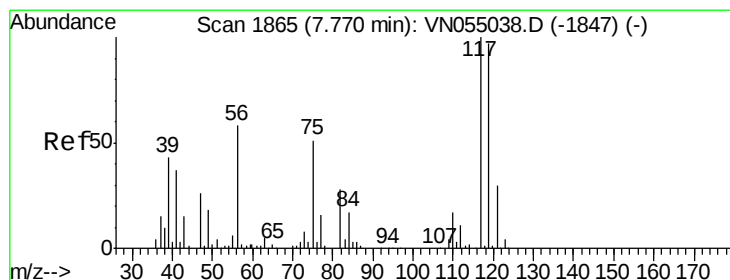
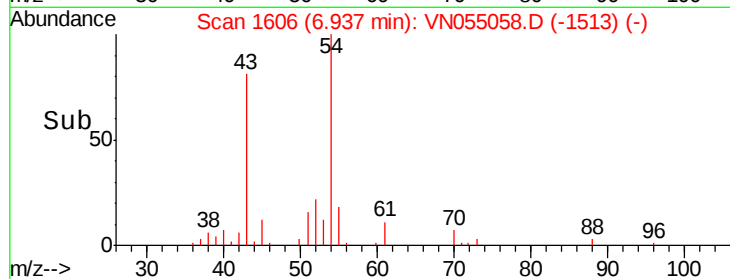
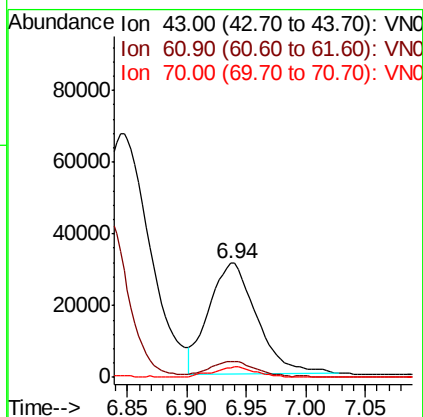
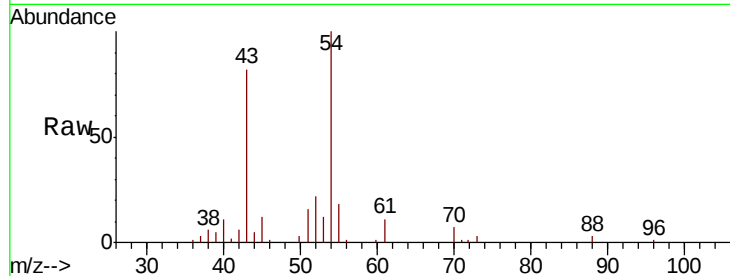




#37
Ethyl Acetate
Concen: 17.250 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

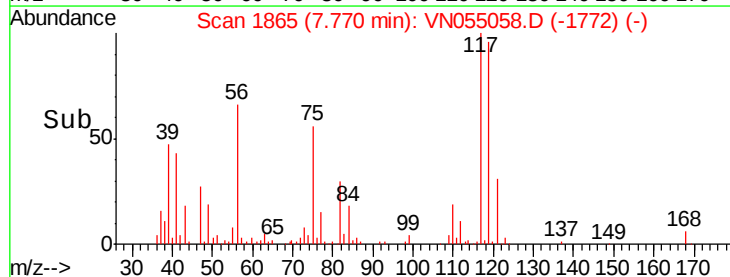
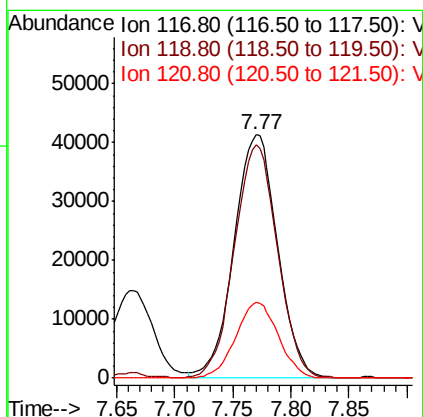
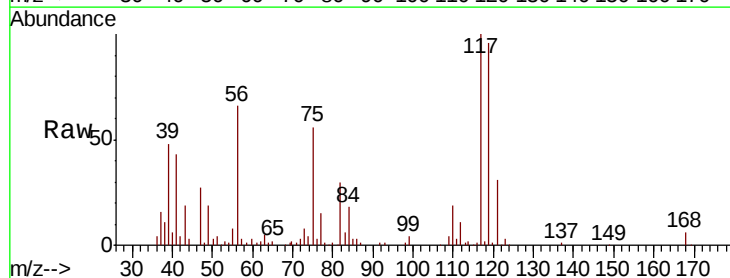
Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD01

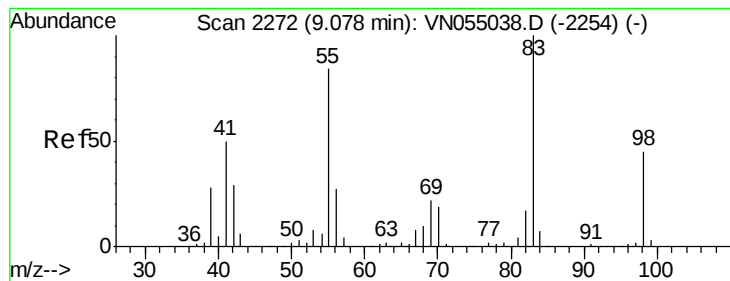
Tot Ion: 43 Resp: 86783
Ion Ratio Lower Upper
43 100
61 13.1 10.0 15.0
70 8.5 7.1 10.7



#38
Carbon Tetrachloride
Concen: 18.383 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

Tgt Ion: 117 Resp: 108081
Ion Ratio Lower Upper
117 100
119 95.9 76.3 114.5
121 31.0 23.9 35.9





#39

Methvlcvclohexane

Concen: 18.620 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBSD01

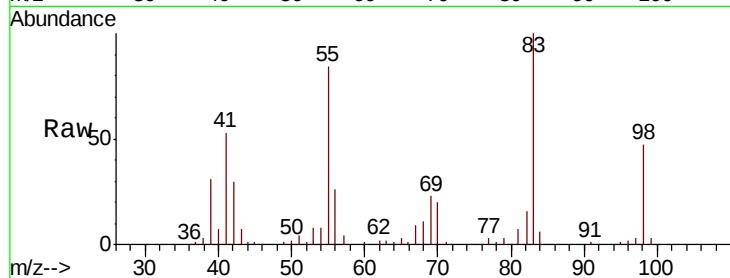
Tot Ion: 83 Resp: 124689

Ion Ratio Lower Upper

83 100

55 84.4 67.0 100.4

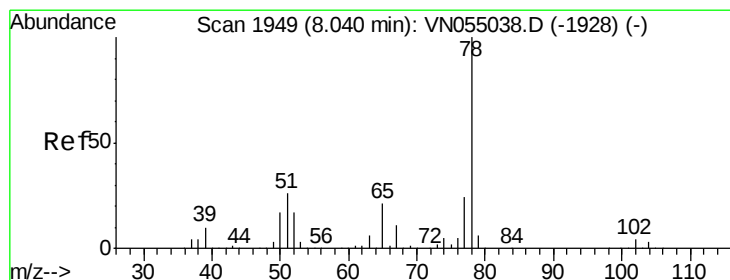
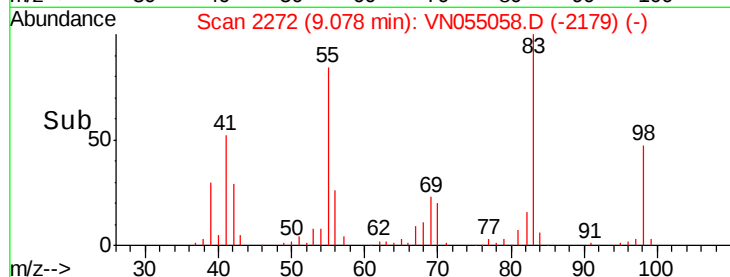
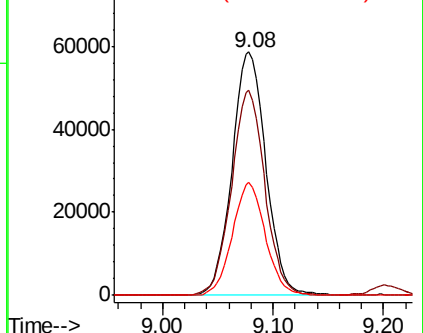
98 46.5 35.6 53.4



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40

Benzene

Concen: 19.407 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN055058.D

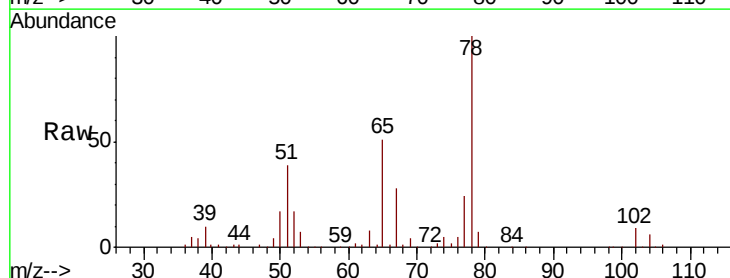
Acq: 15 Apr 2019 22:12

Tgt Ion: 78 Resp: 361457

Ion Ratio Lower Upper

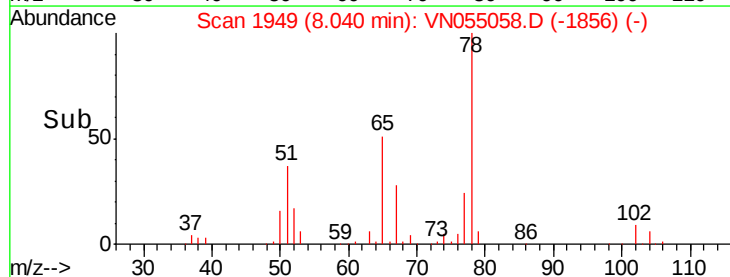
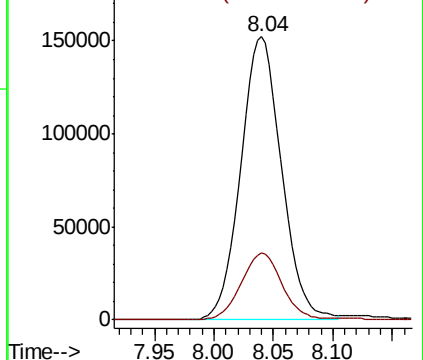
78 100

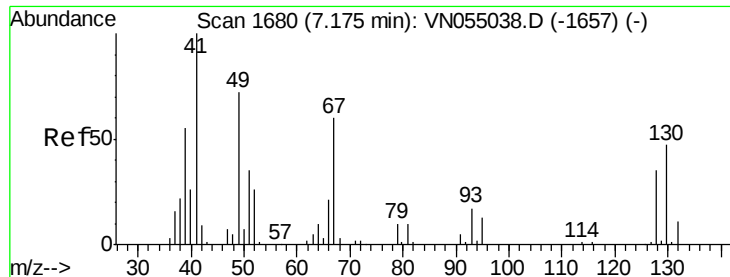
77 23.8 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

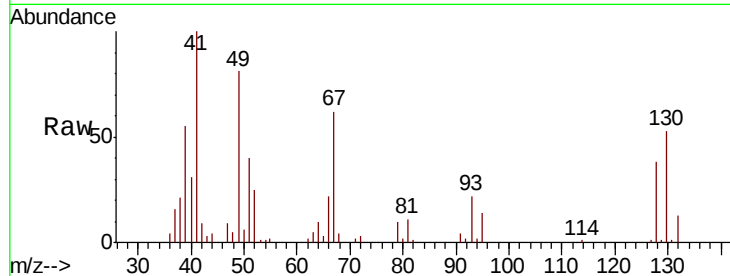




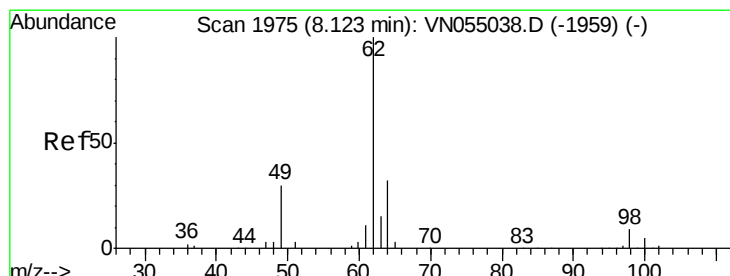
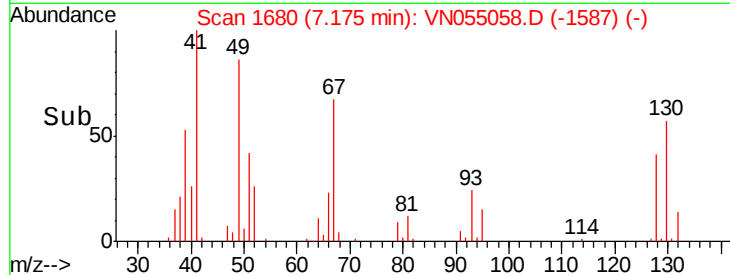
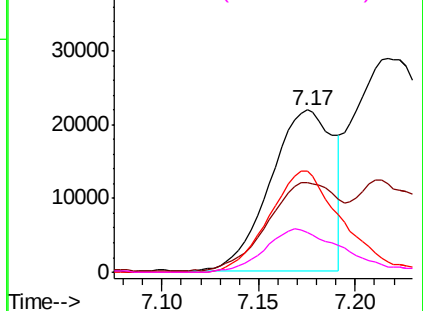
#41
Methacrylonitrile
Concen: 17.768 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD01

Tot Ion:	41	Resp:	49621
Ion	Ratio	Lower	Upper
41	100		
39	61.0	45.6	68.4
67	73.1	57.0	85.6
52	33.8	23.6	35.4

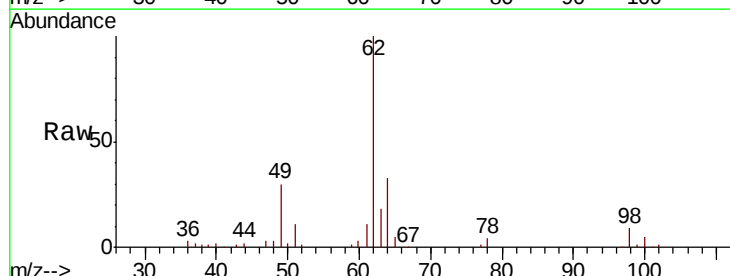


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

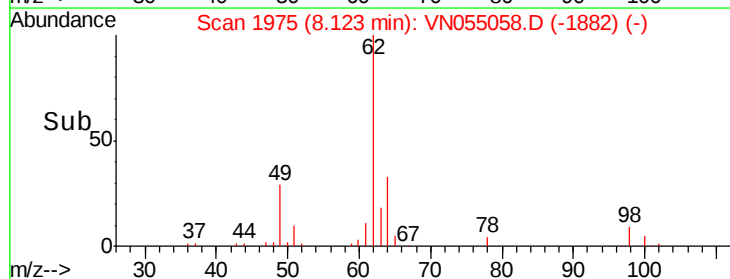
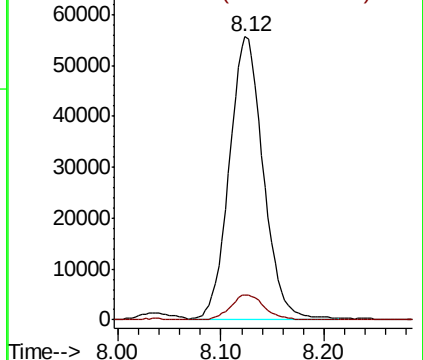


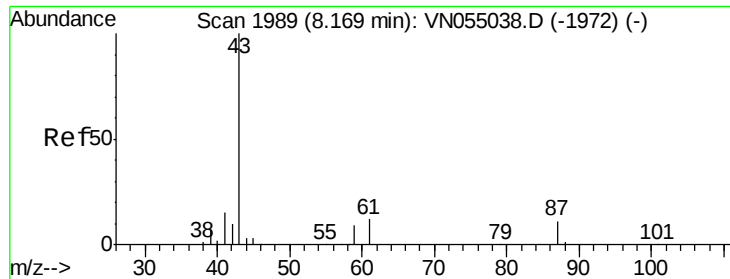
#42
1,2-Dichloroethane
Concen: 19.594 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

Tgt Ion:	62	Resp:	126705
Ion	Ratio	Lower	Upper
62	100		
98	8.9	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: 19.404 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBSD01

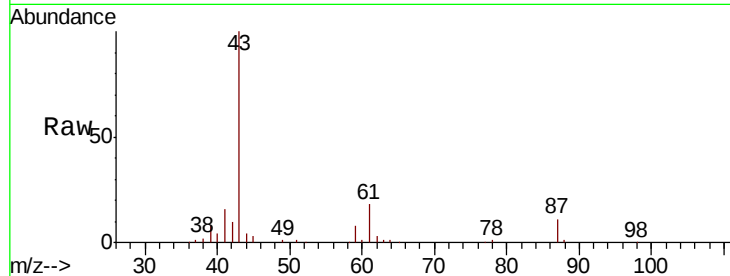
Tot Ion: 43 Resp: 150423

Ion Ratio Lower Upper

43 100

61 16.7 14.3 21.5

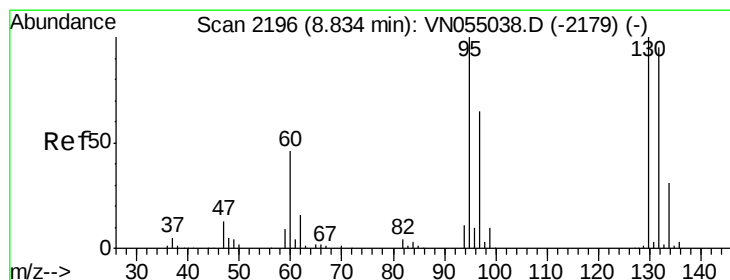
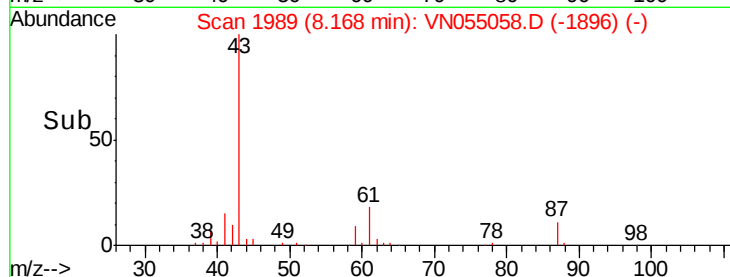
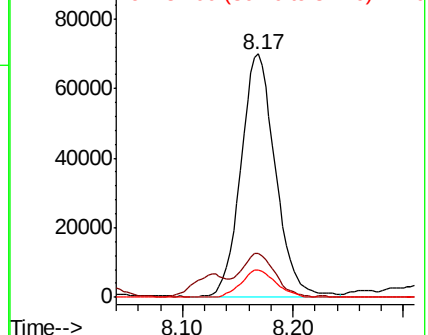
87 11.4 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 19.763 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN055058.D

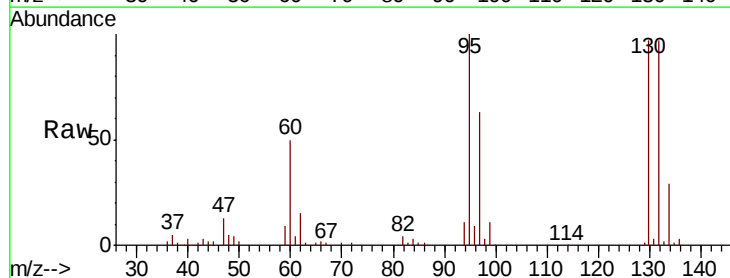
Acq: 15 Apr 2019 22:12

Tgt Ion:130 Resp: 92197

Ion Ratio Lower Upper

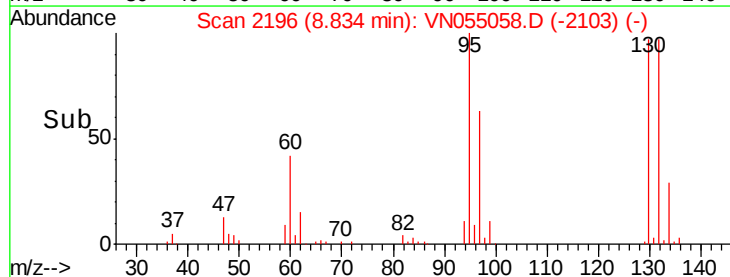
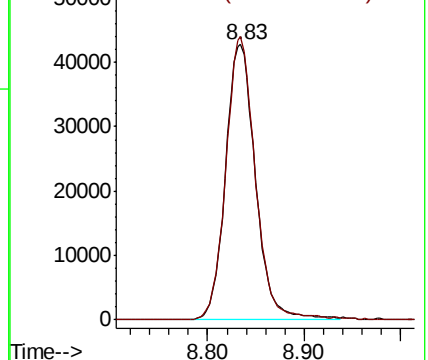
130 100

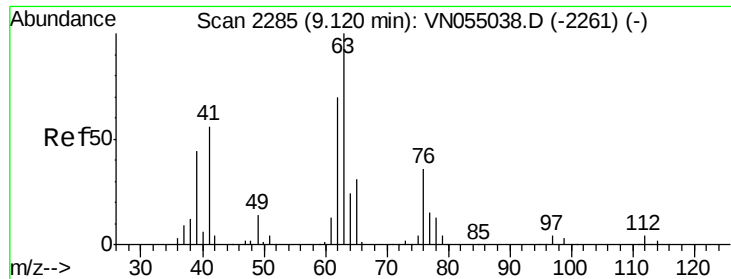
95 102.7 0.0 201.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

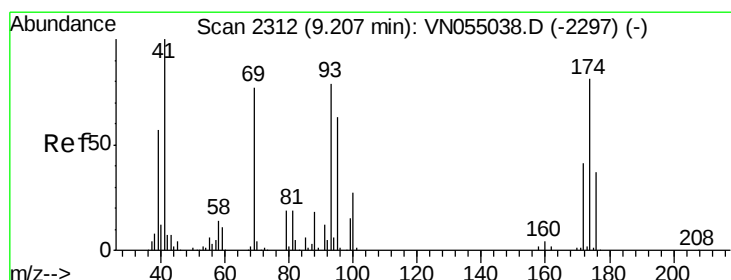
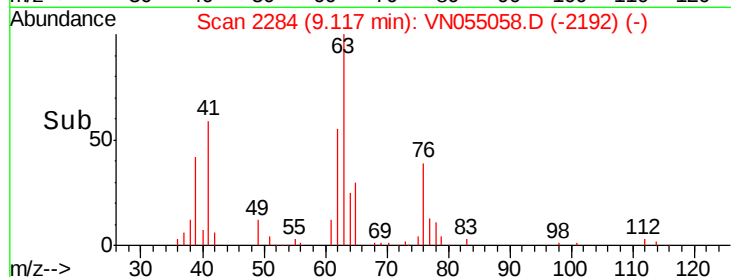
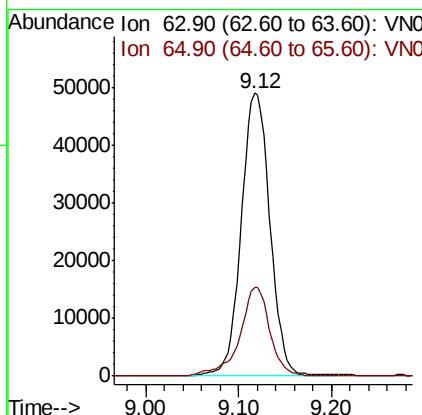
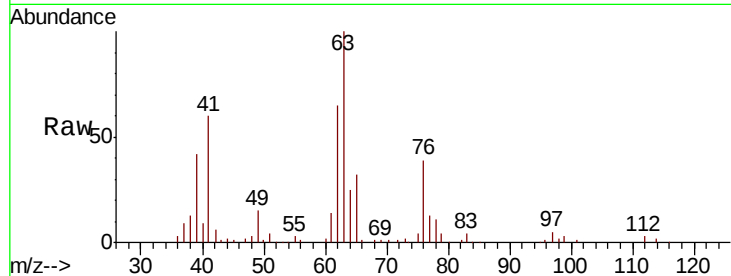




#45
 1,2-Dichloropropane
 Concen: 20.343 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

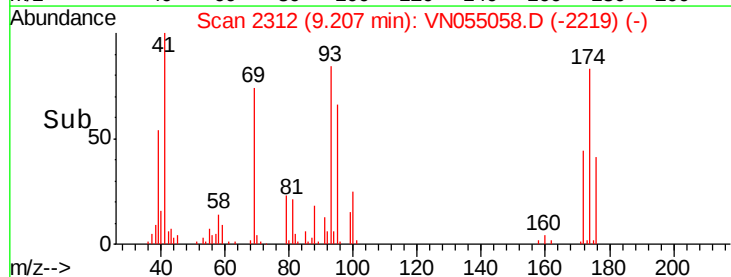
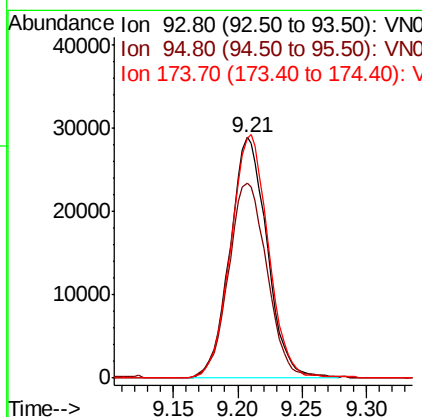
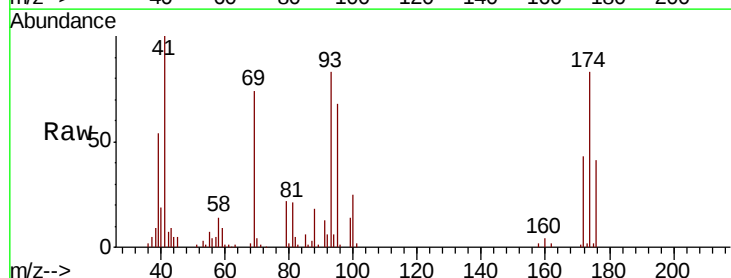
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBSD01

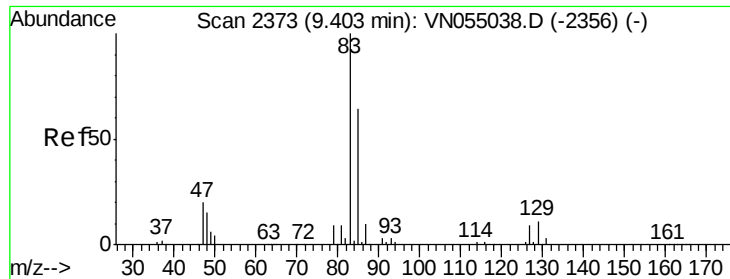
Tot Ion: 63 Resp: 105667
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.4 36.6



#46
 Dibromomethane
 Concen: 19.485 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

Tgt Ion: 93 Resp: 57609
 Ion Ratio Lower Upper
 93 100
 95 84.6 65.0 97.6
 174 102.2 81.0 121.6

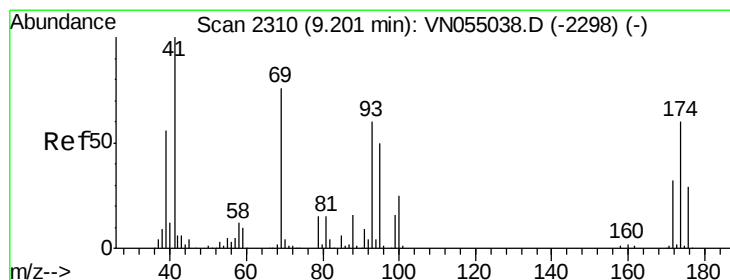
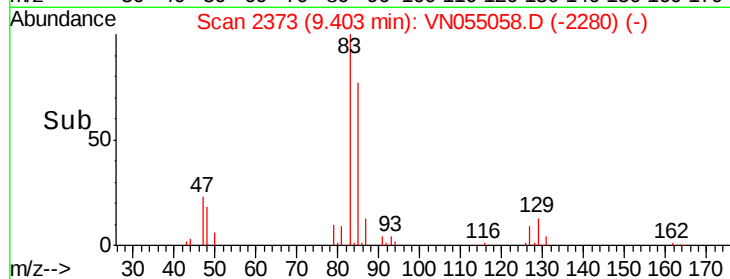
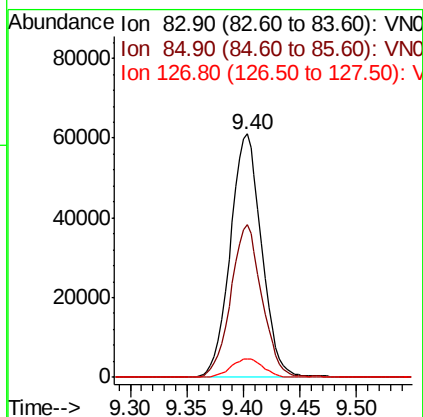
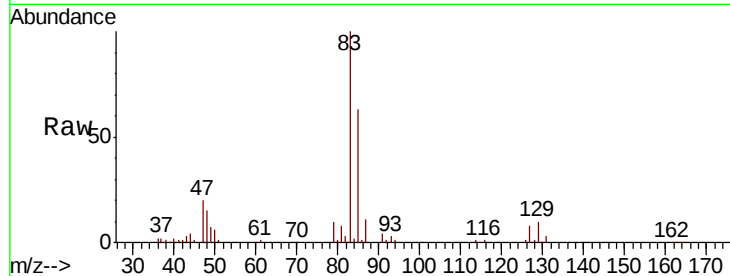




#47
Bromodichloromethane
Concen: 19.319 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

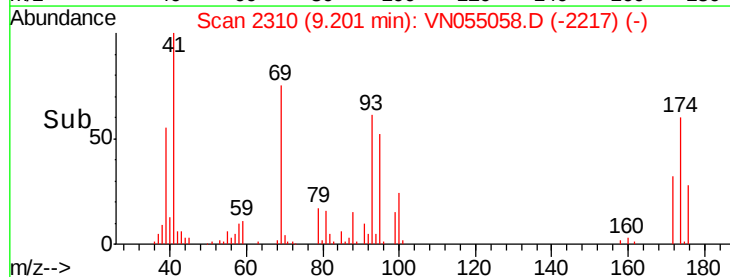
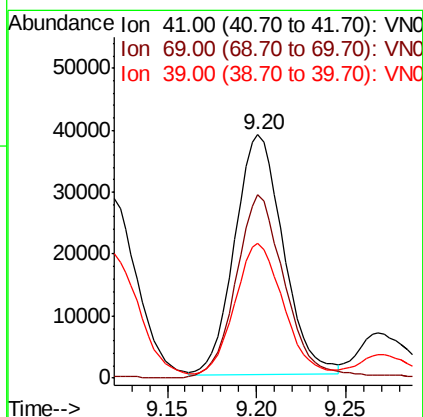
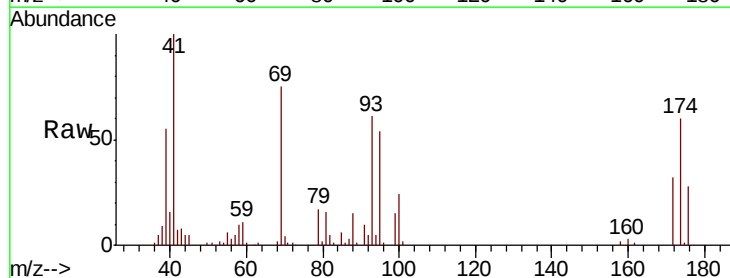
Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD01

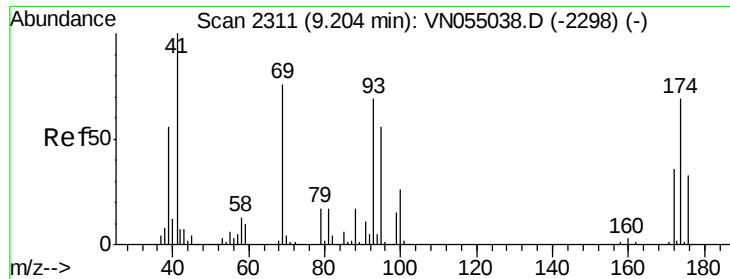
Tot Ion: 83 Resp: 117758
Ion Ratio Lower Upper
83 100
85 62.6 51.2 76.8
127 7.5 6.8 10.2



#48
Methyl methacrylate
Concen: 19.276 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

Tgt Ion: 41 Resp: 74067
Ion Ratio Lower Upper
41 100
69 76.6 60.5 90.7
39 55.6 43.9 65.9





#49

1,4-Dioxane

Concen: 362.154 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBSD01

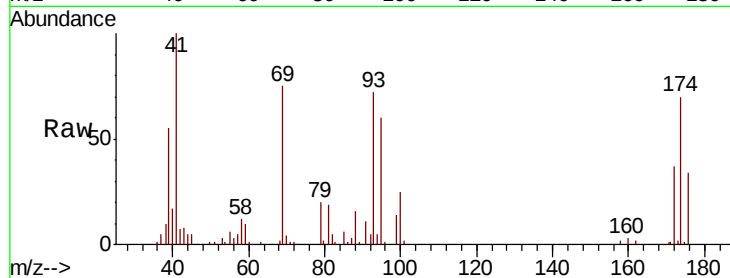
Tot Ion: 88 Resp: 13037

Ion Ratio Lower Upper

88 100

43 42.3 31.8 47.8

58 76.5 61.6 92.4

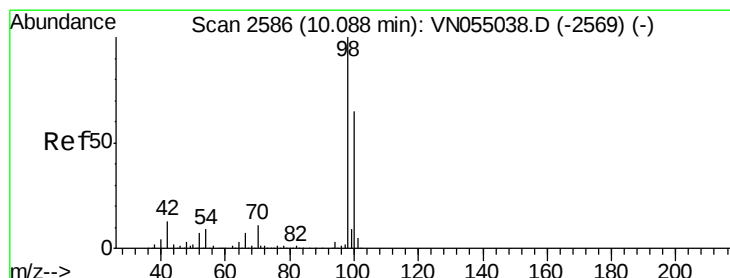
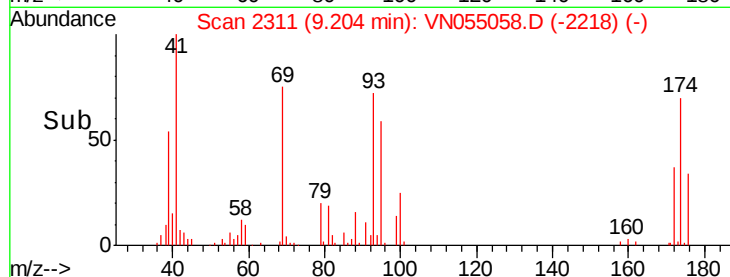
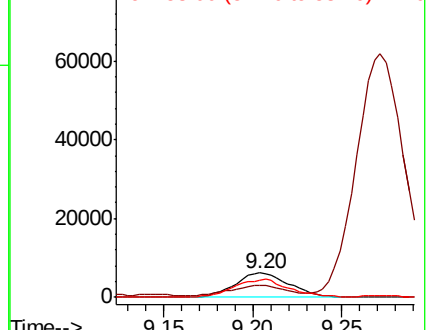


Abundance

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: 50.989 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055058.D

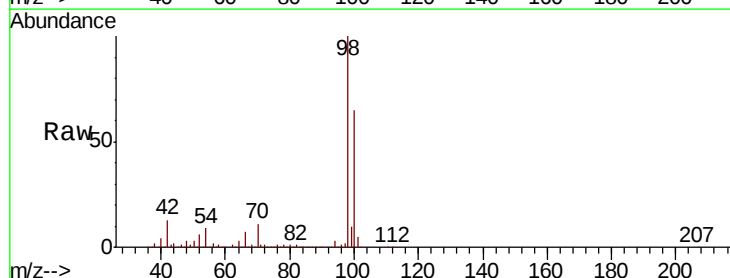
Acq: 15 Apr 2019 22:12

Tgt Ion: 98 Resp: 799506

Ion Ratio Lower Upper

98 100

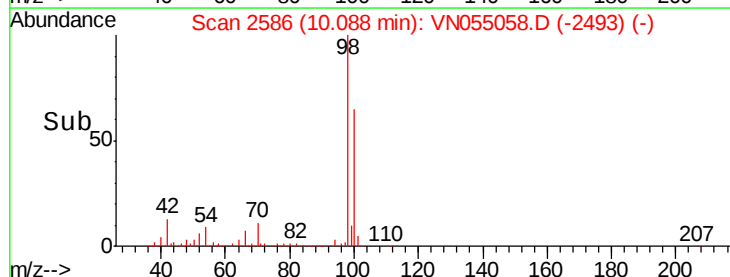
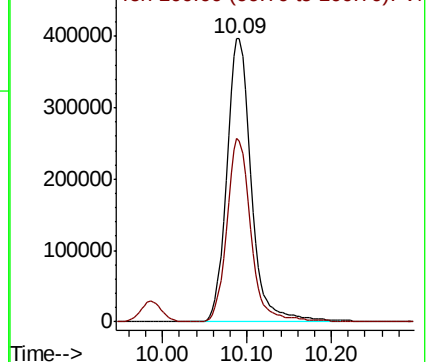
100 63.4 51.1 76.7



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: 97.928 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Instrument :

MSVOA_N

ClientSampleID :

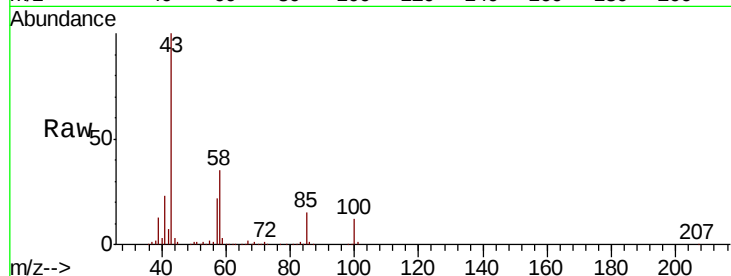
VN0415WBSD01

Tot Ion: 43 Resp: 438579

Ion Ratio Lower Upper

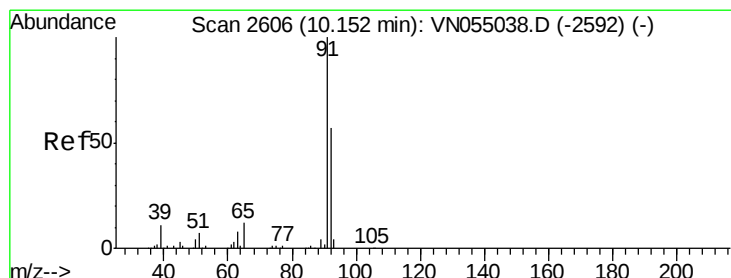
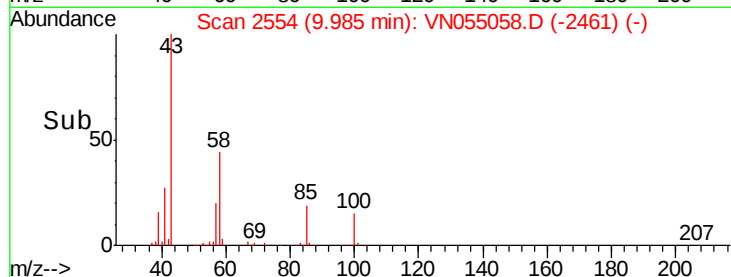
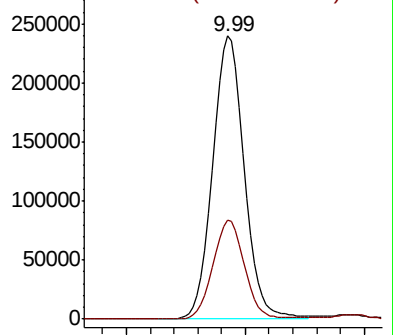
43 100

58 34.9 29.0 43.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.324 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055058.D

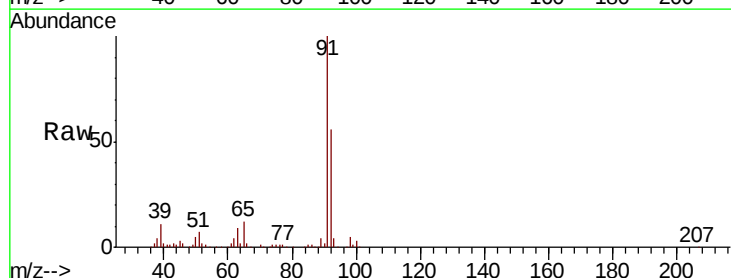
Acq: 15 Apr 2019 22:12

Tgt Ion: 92 Resp: 216801

Ion Ratio Lower Upper

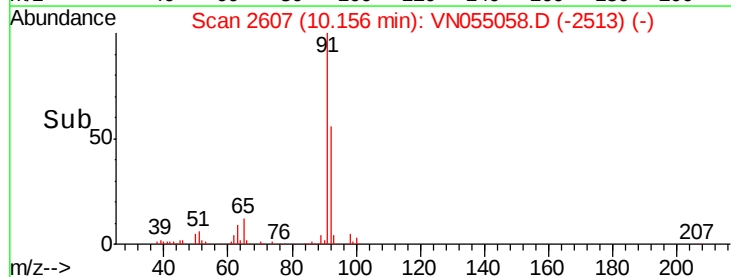
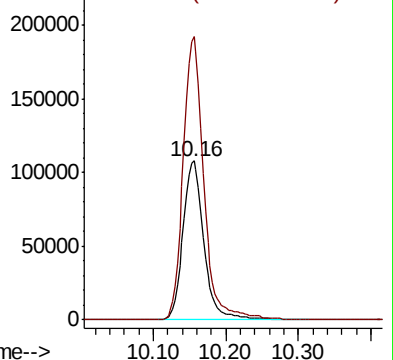
92 100

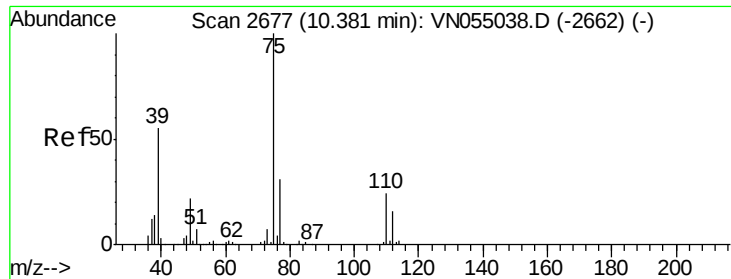
91 174.7 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 18.787 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

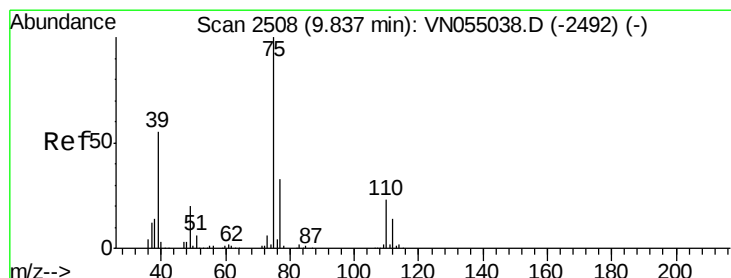
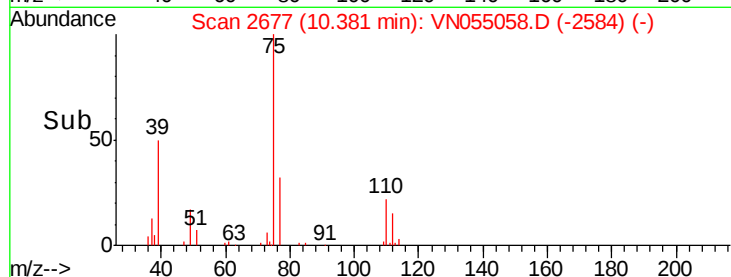
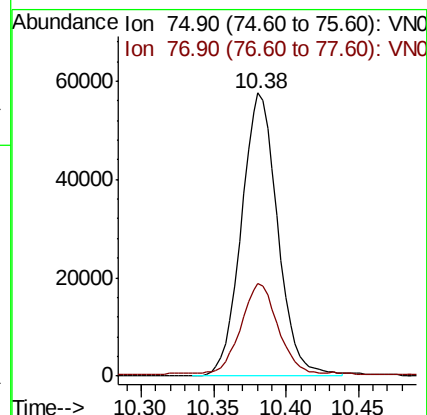
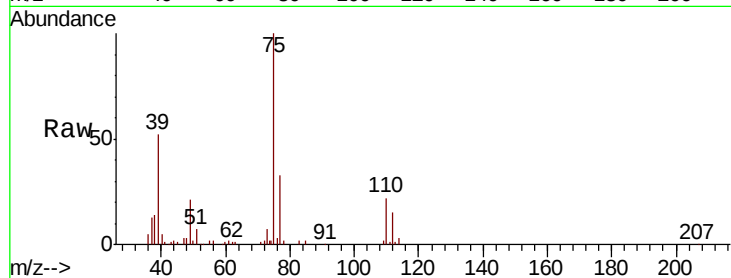
VN0415WBSD01

Tot Ion: 75 Resp: 100079

Ion Ratio Lower Upper

75 100

77 31.7 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 19.417 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

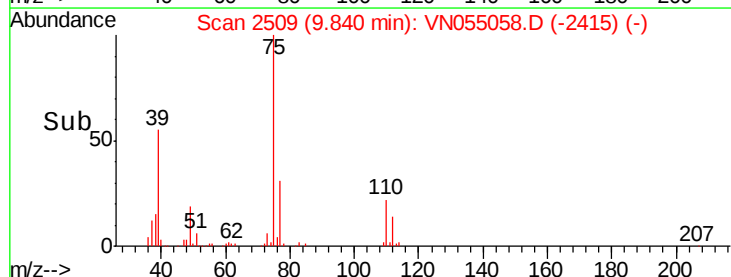
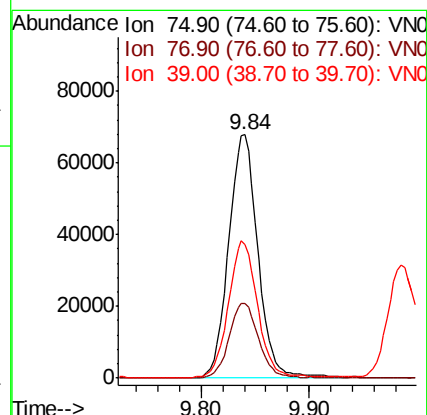
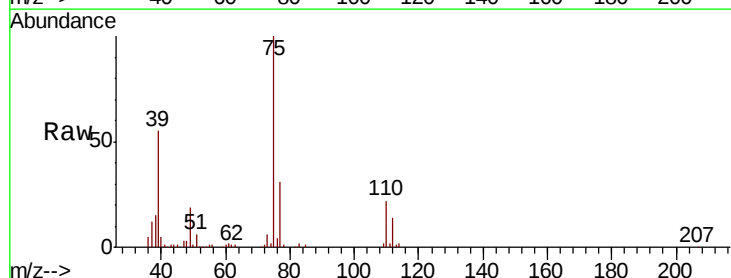
Tgt Ion: 75 Resp: 128371

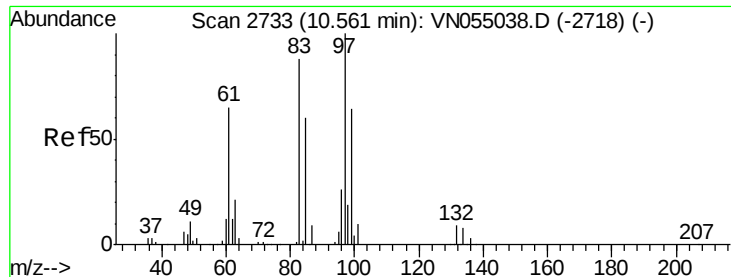
Ion Ratio Lower Upper

75 100

77 30.9 25.8 38.6

39 54.7 43.8 65.8

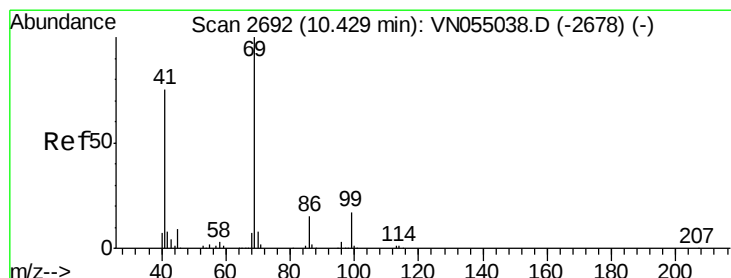
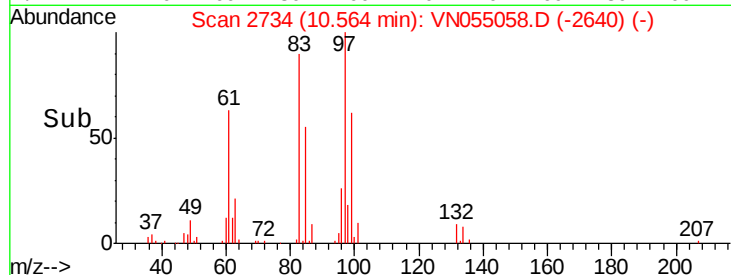
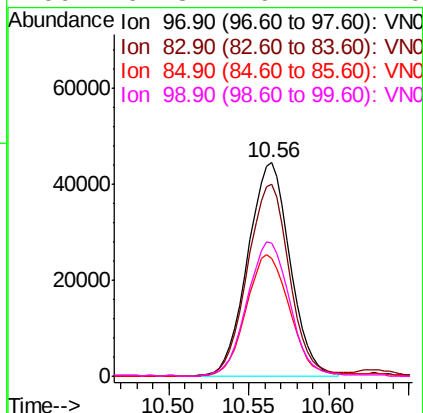
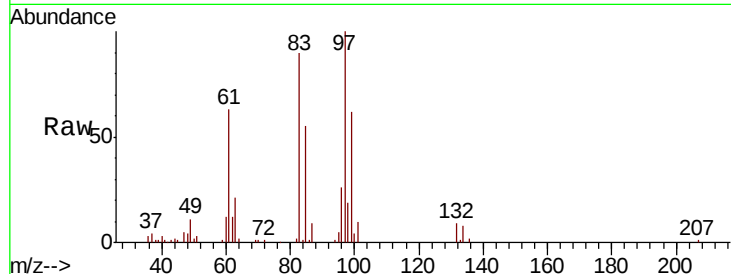




#55
 1,1,2-Trichloroethane
 Concen: 19.603 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

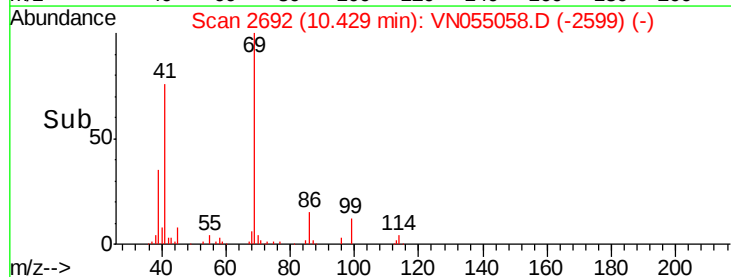
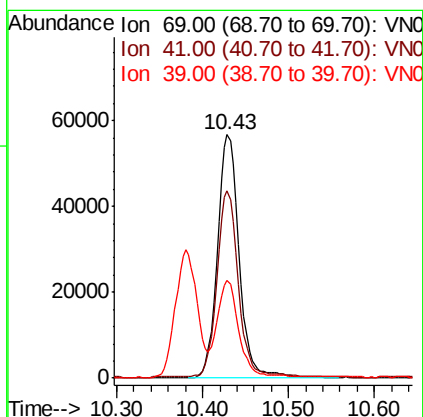
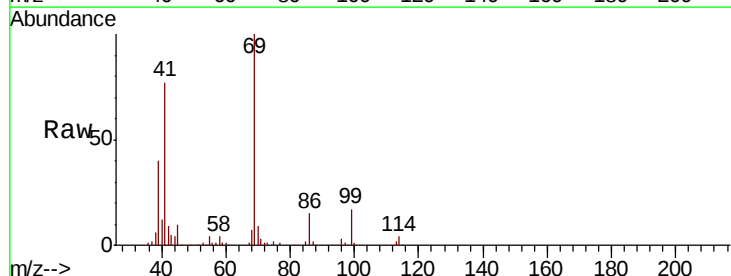
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBSD01

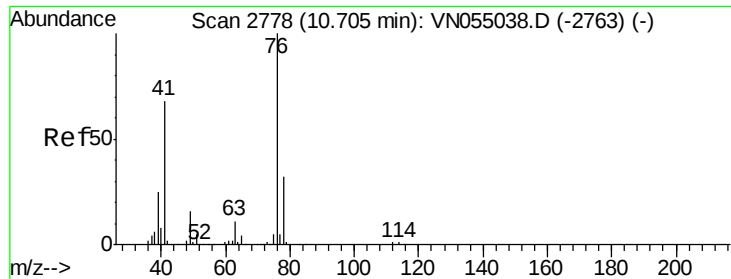
Tot Ion	97	Resp	80566
Ion	Ratio	Lower	Upper
97	100		
83	89.8	70.5	105.7
85	55.1	45.5	68.3
99	62.3	49.4	74.0



#56
 Ethyl methacrylate
 Concen: 20.259 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

Tgt Ion	69	Resp	99922
Ion	Ratio	Lower	Upper
69	100		
41	75.0	61.4	92.0
39	37.9	30.8	46.2





#57

1,3-Dichloropropane

Concen: 20.498 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

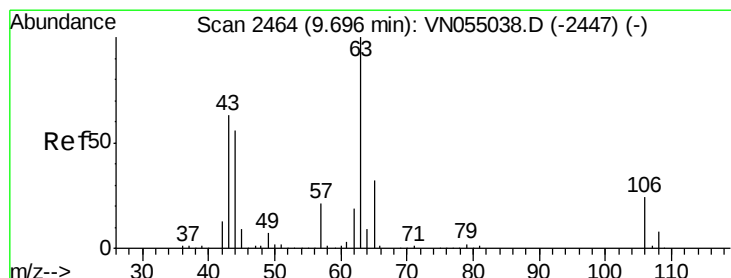
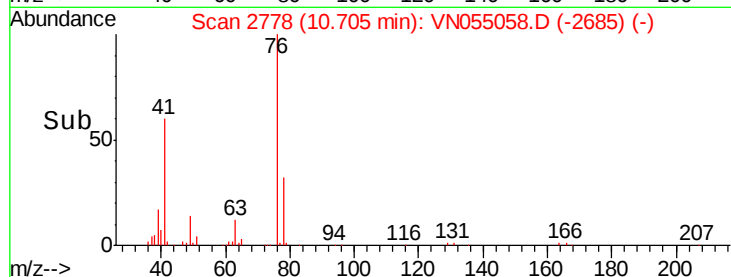
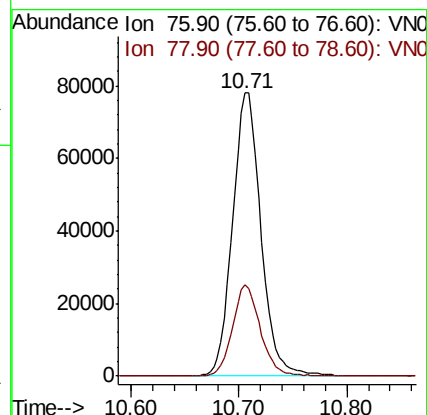
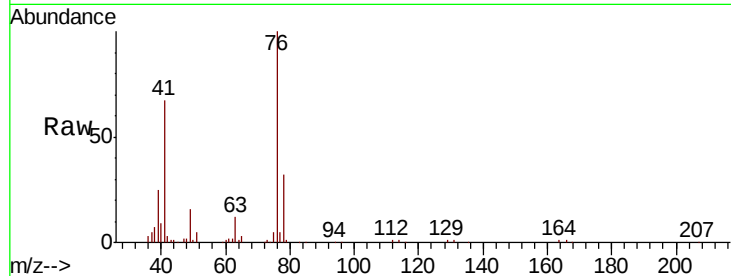
VN0415WBSD01

Tot Ion: 76 Resp: 143432

Ion Ratio Lower Upper

76 100

78 31.7 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 90.426 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN055058.D

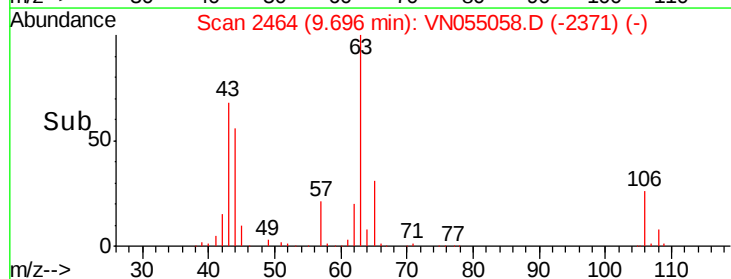
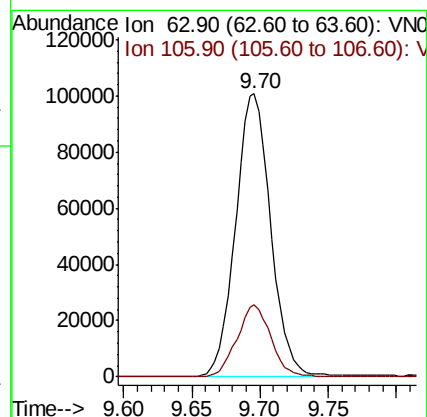
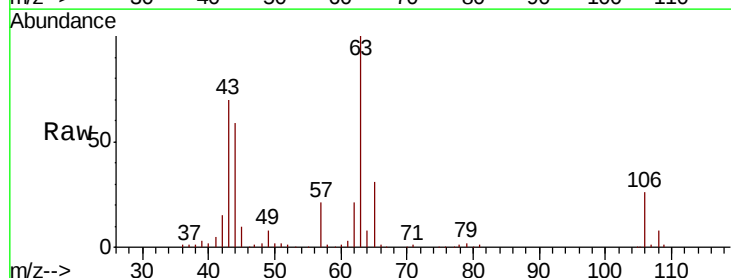
Acq: 15 Apr 2019 22:12

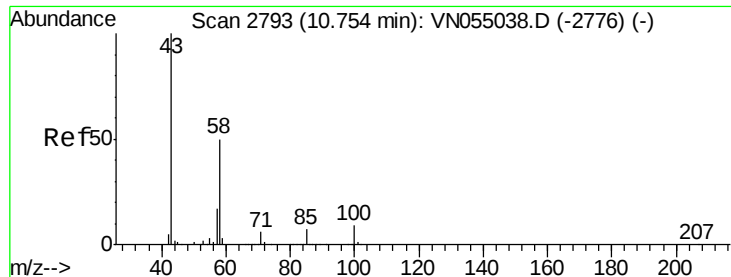
Tgt Ion: 63 Resp: 180383

Ion Ratio Lower Upper

63 100

106 24.6 20.0 30.0

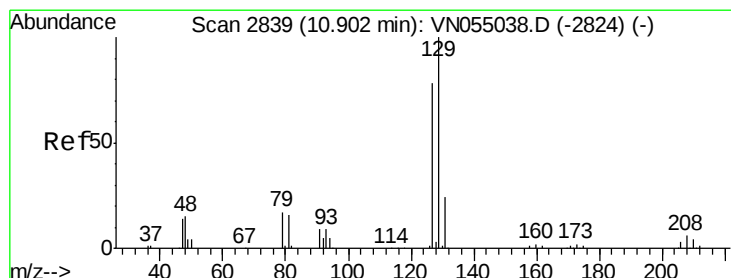
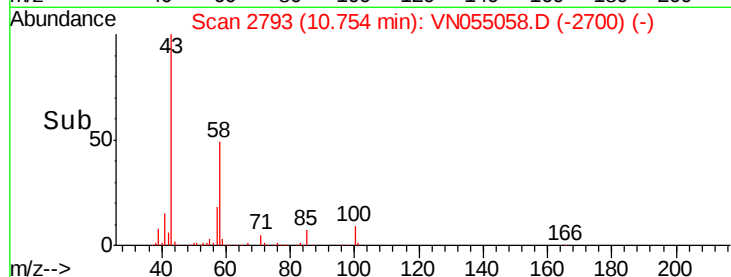
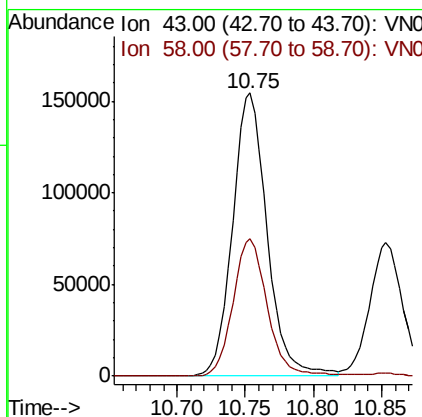
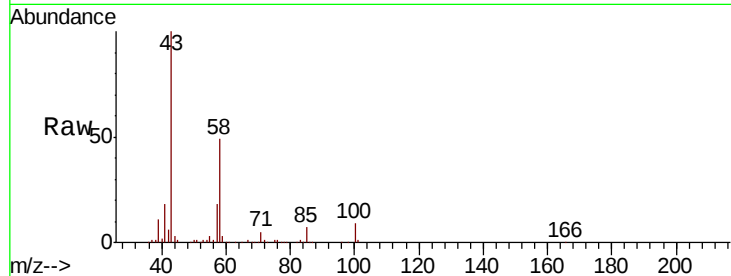




#59
2-Hexanone
Concen: 95.533 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

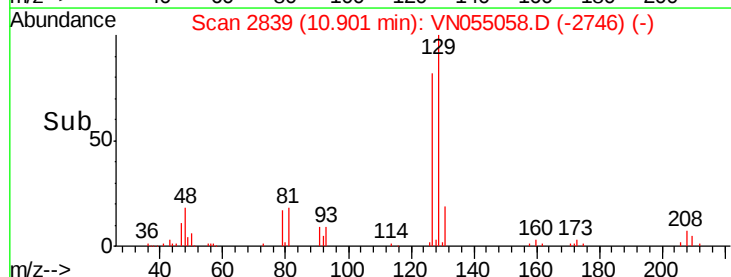
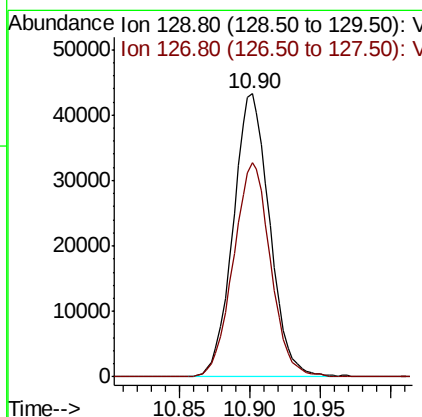
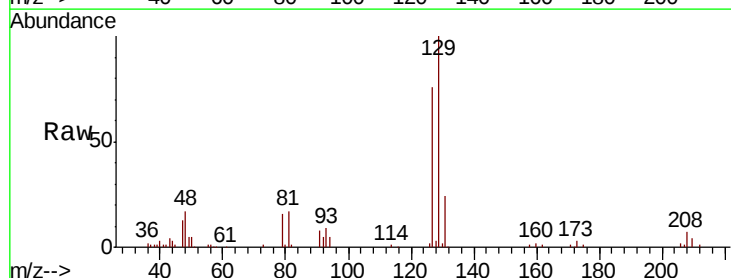
Instrument :
MSVOA_N
ClientSampled :
VN0415WBSD01

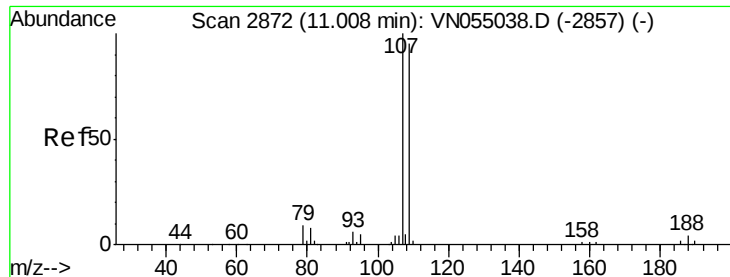
Tot Ion: 43 Resp: 268732
Ion Ratio Lower Upper
43 100
58 48.6 25.1 75.2



#60
Dibromochloromethane
Concen: 19.514 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

Tgt Ion: 129 Resp: 78313
Ion Ratio Lower Upper
129 100
127 76.9 38.2 114.6

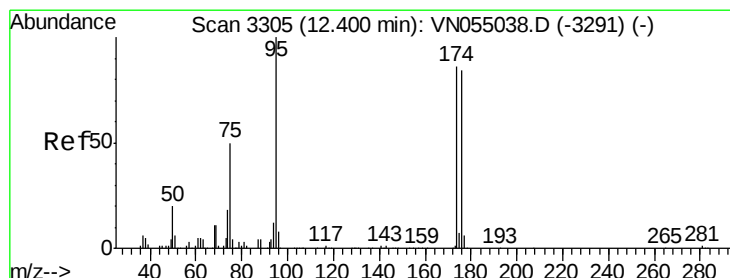
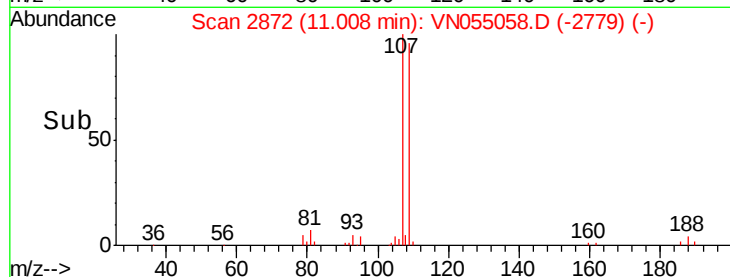
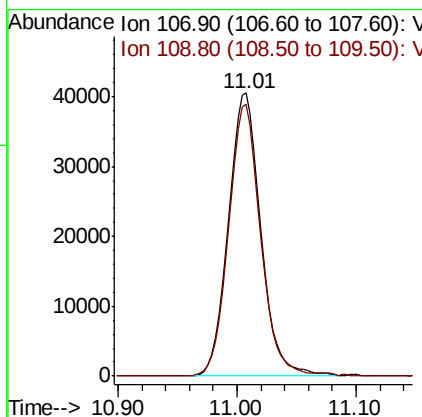
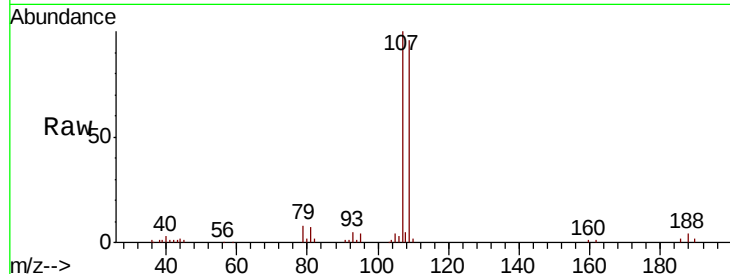




#61
 1,2-Dibromoethane
 Concen: 20.205 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

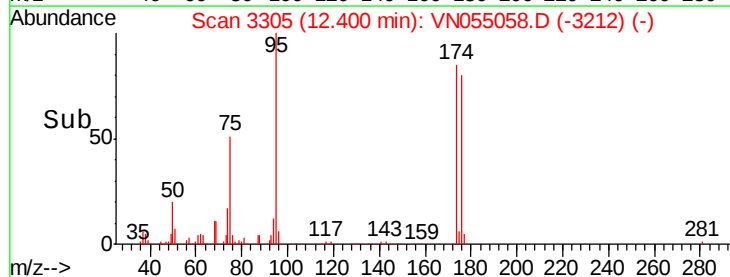
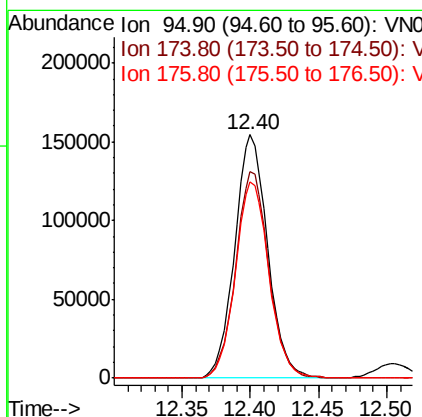
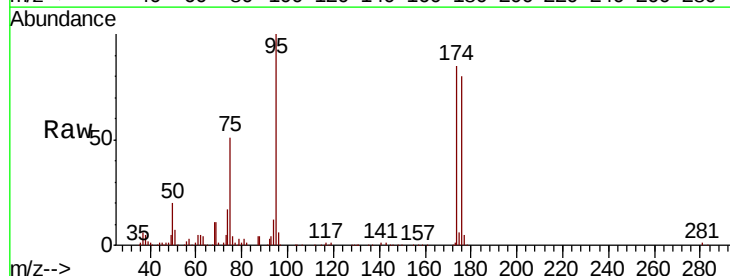
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBSD01

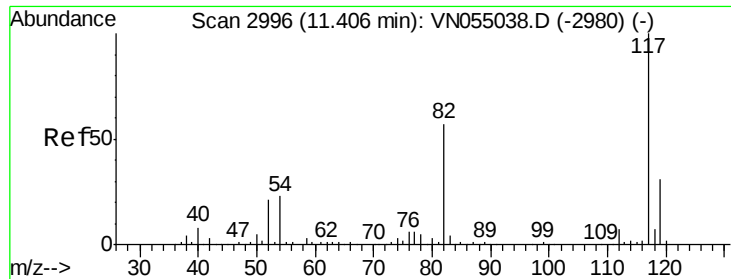
Tot Ion:107 Resp: 76431
 Ion Ratio Lower Upper
 107 100
 109 95.0 76.5 114.7



#62
 4-Bromofluorobenzene
 Concen: 50.921 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

Tgt Ion: 95 Resp: 259573
 Ion Ratio Lower Upper
 95 100
 174 85.0 0.0 174.4
 176 81.8 0.0 166.8

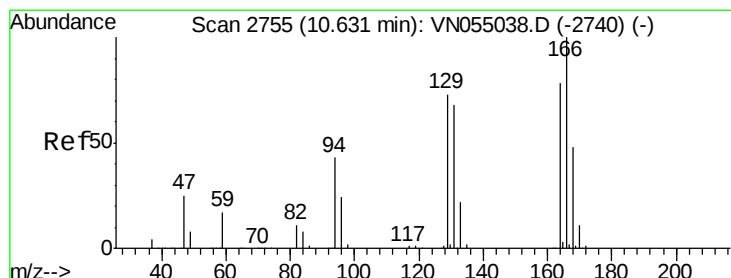
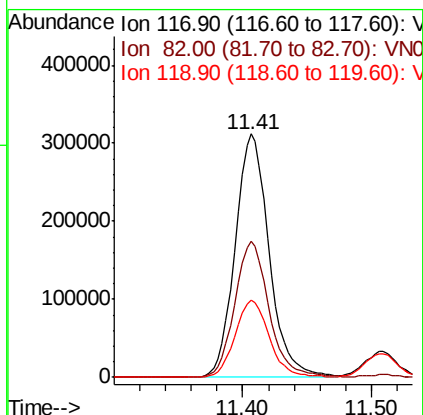
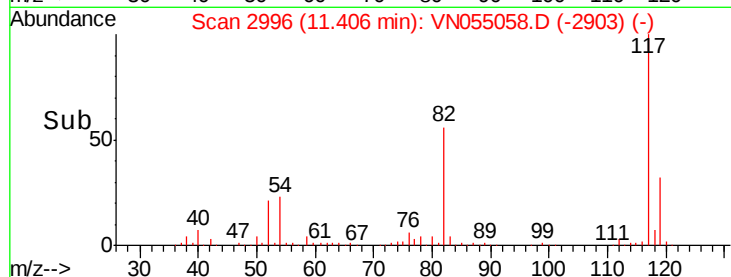
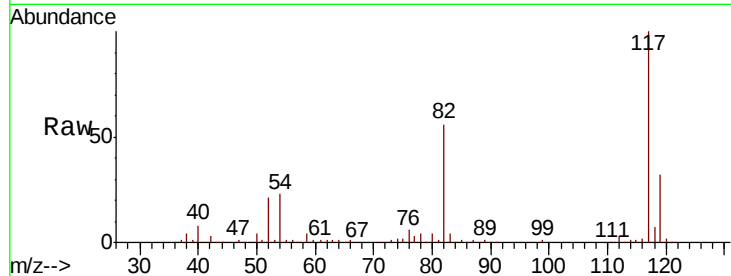




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

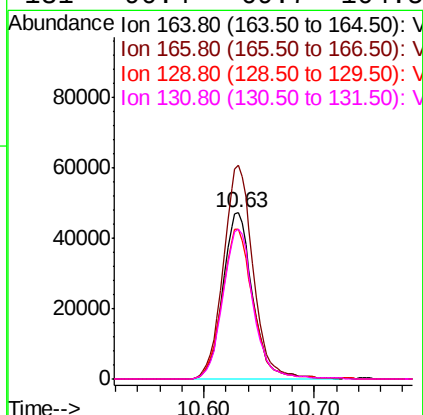
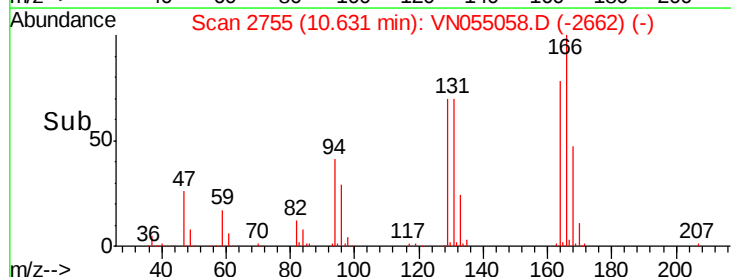
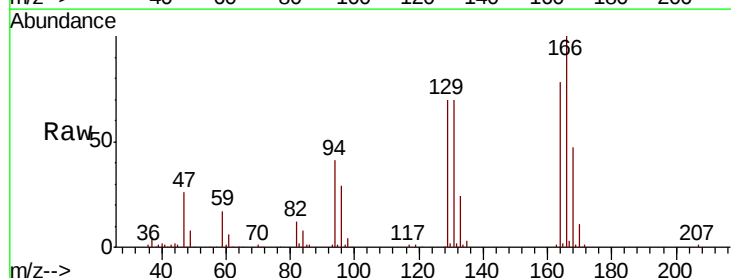
Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD01

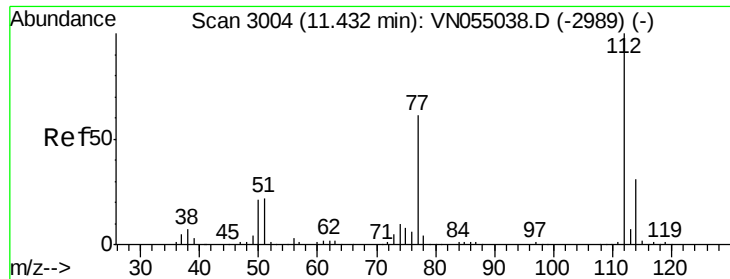
Tot Ion:117 Resp: 571669
Ion Ratio Lower Upper
117 100
82 55.9 44.6 66.8
119 31.5 25.5 38.3



#64
Tetrachloroethene
Concen: 19.072 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

Tgt Ion:164 Resp: 88656
Ion Ratio Lower Upper
164 100
166 128.4 100.0 150.0
129 90.1 72.0 108.0
131 90.4 69.7 104.5

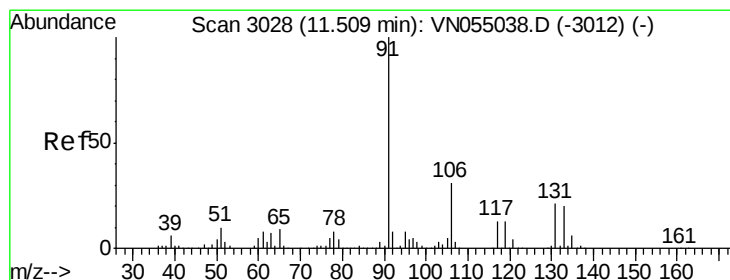
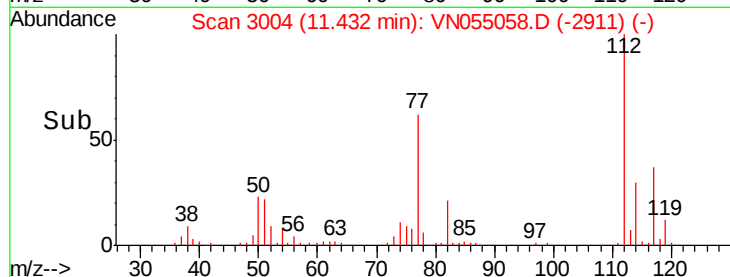
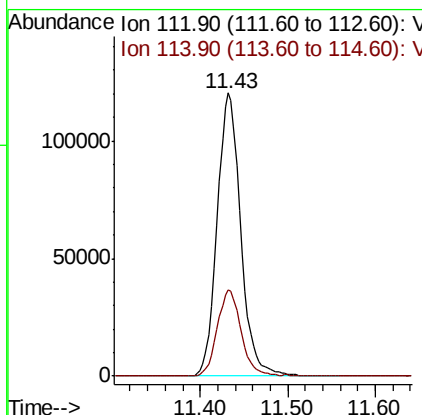
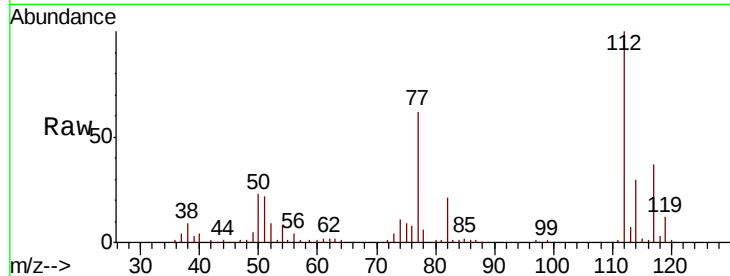




#65
Chlorobenzene
Concen: 19.559 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

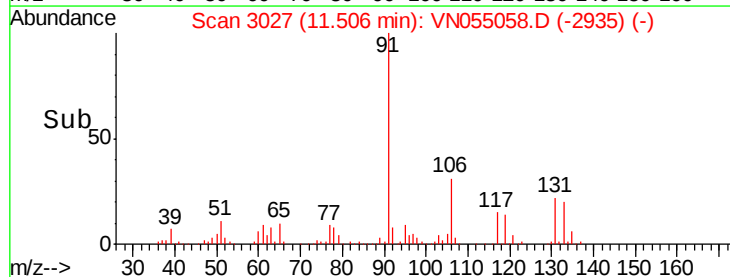
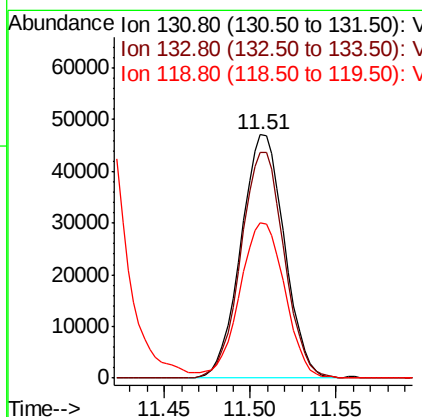
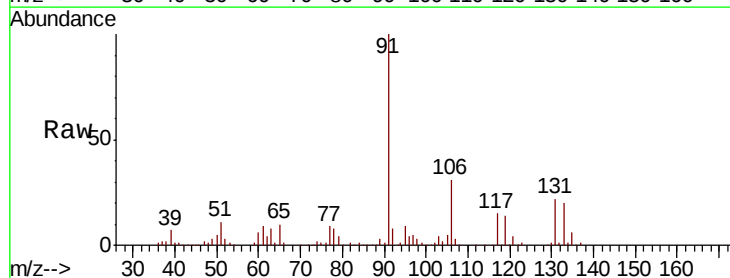
Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD01

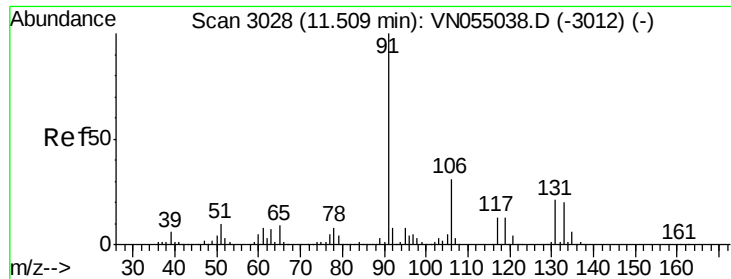
Tot Ion:112 Resp: 225070
Ion Ratio Lower Upper
112 100
114 30.5 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.586 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

Tgt Ion:131 Resp: 82892
Ion Ratio Lower Upper
131 100
133 92.3 47.8 143.3
119 66.2 33.6 100.6

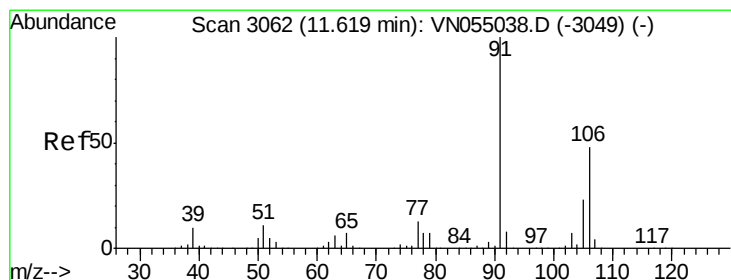
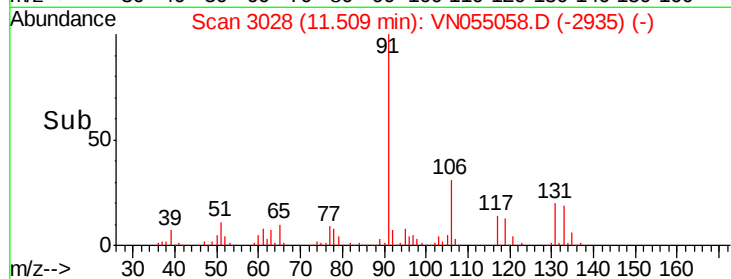
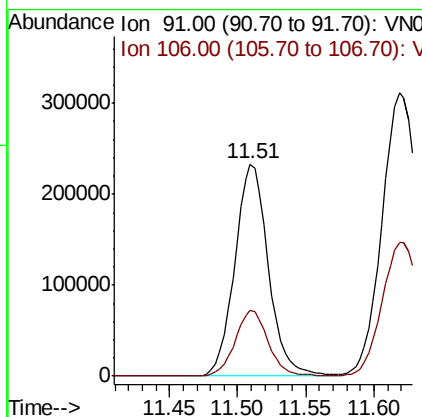
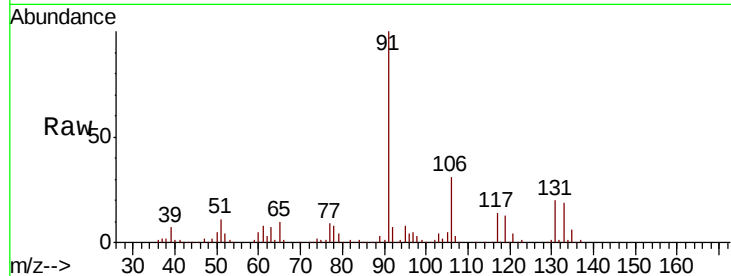




#67
Ethyl Benzene
Concen: 19.379 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

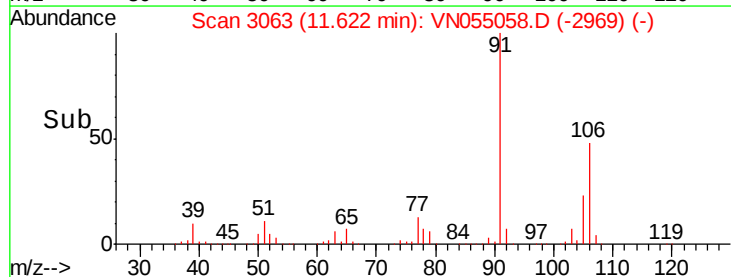
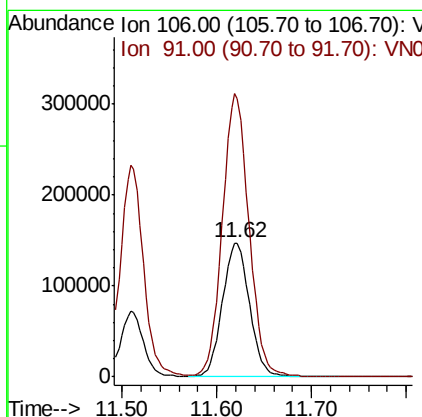
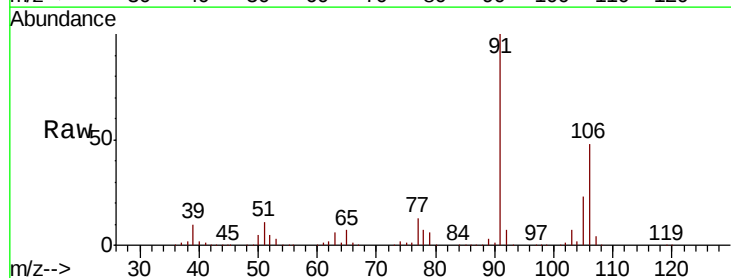
Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD01

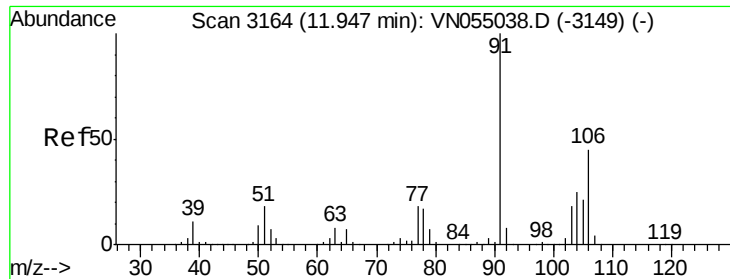
Tot Ion: 91 Resp: 398240
Ion Ratio Lower Upper
91 100
106 30.8 24.3 36.5



#68
m/p-Xylenes
Concen: 39.434 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

Tgt Ion: 106 Resp: 293442
Ion Ratio Lower Upper
106 100
91 207.9 165.9 248.9

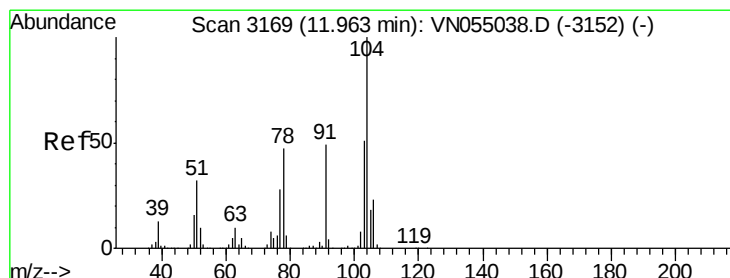
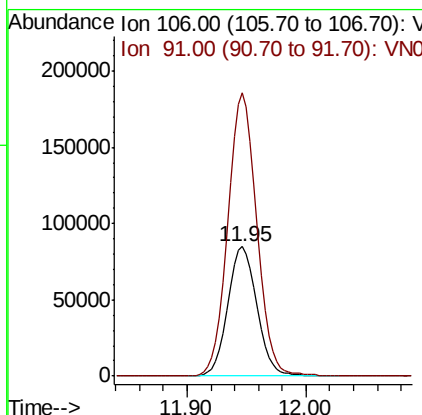
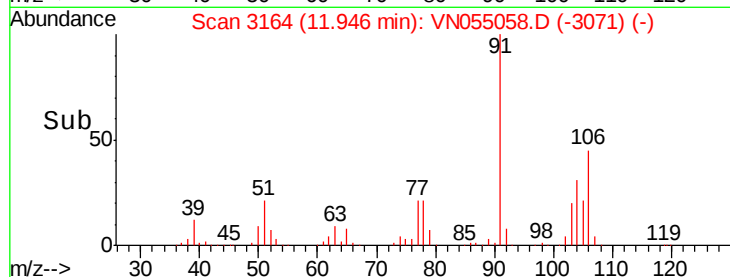
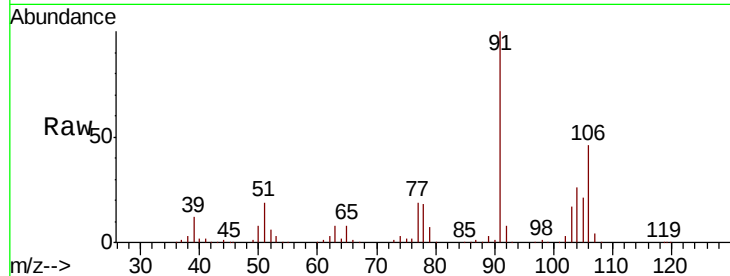




#69
o-Xylene
Concen: 20.000 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

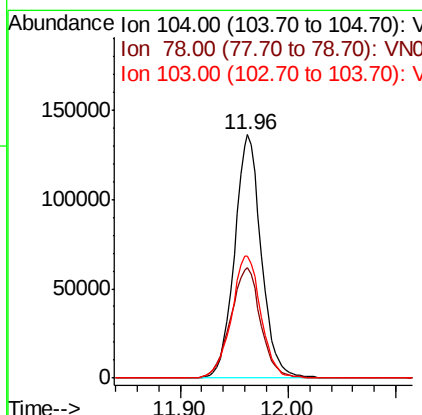
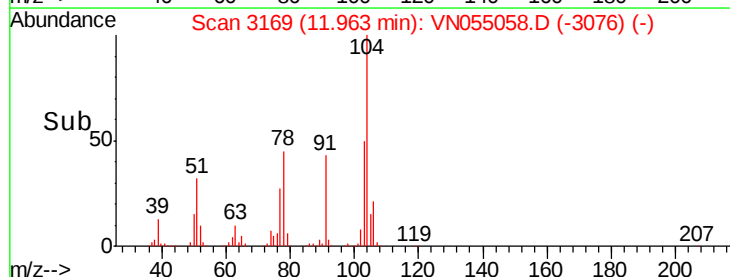
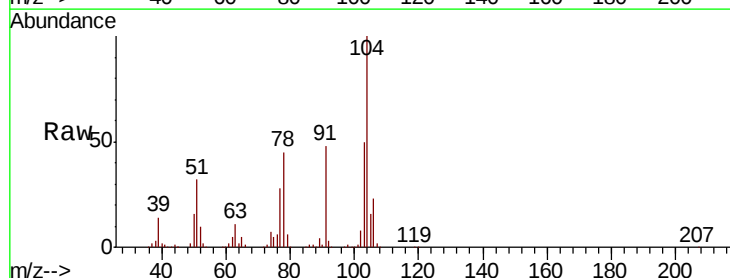
Instrument :
MSVOA_N
ClientSampled :
VN0415WBSD01

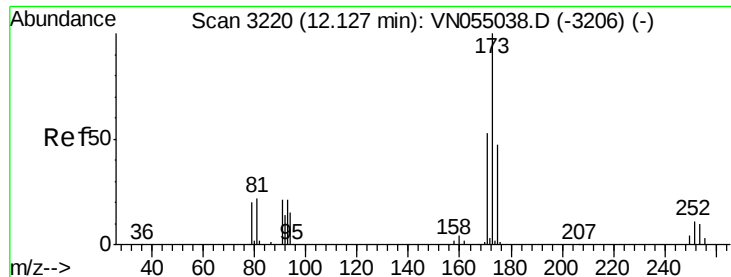
Tot Ion:106 Resp: 144150
Ion Ratio Lower Upper
106 100
91 217.3 109.9 329.8



#70
Styrene
Concen: 20.180 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

Tgt Ion:104 Resp: 235434
Ion Ratio Lower Upper
104 100
78 51.2 40.3 60.5
103 55.2 44.3 66.5





#71

Bromoform

Concen: 19.514 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBSD01

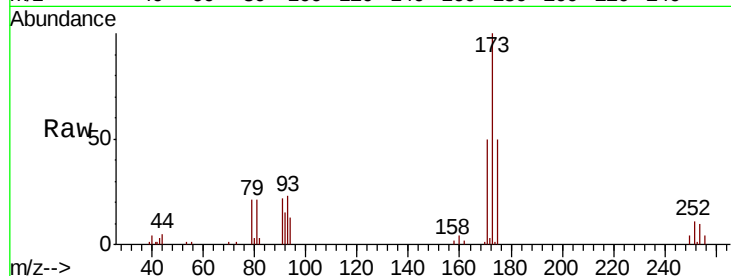
Tot Ion:173 Resp: 47338

Ion Ratio Lower Upper

173 100

175 47.5 24.3 73.0

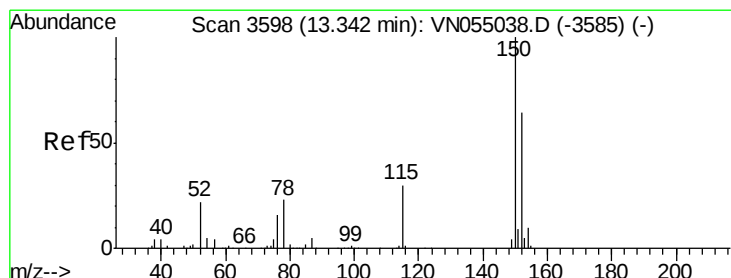
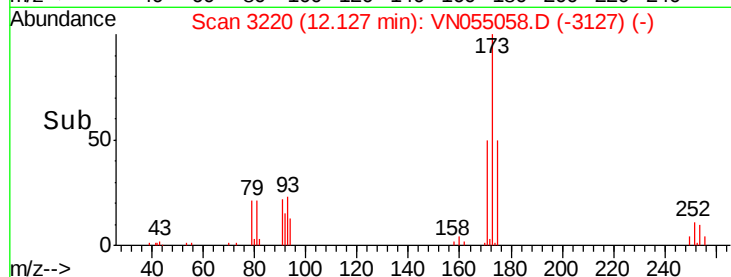
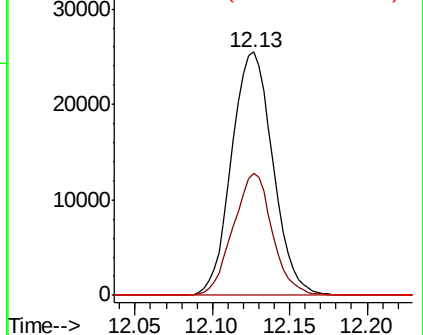
254 0.0 0.1 0.1#



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: VN055058.D

Acq: 15 Apr 2019 22:12

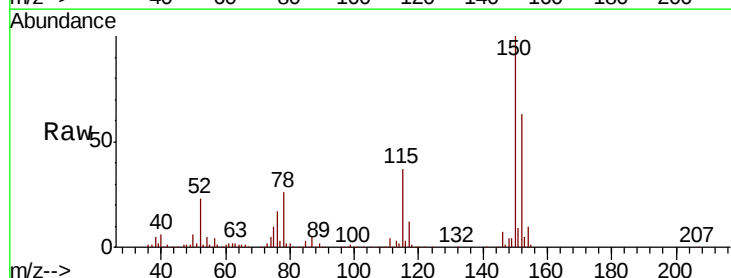
Tgt Ion:152 Resp: 226767

Ion Ratio Lower Upper

152 100

115 58.4 28.5 85.6

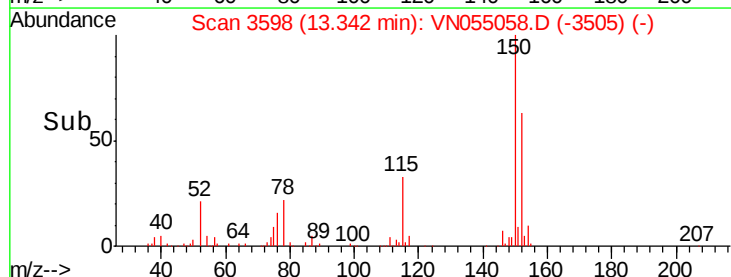
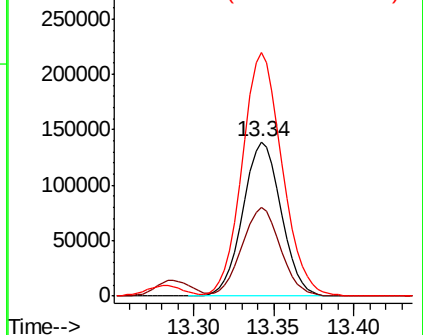
150 164.9 0.0 347.2

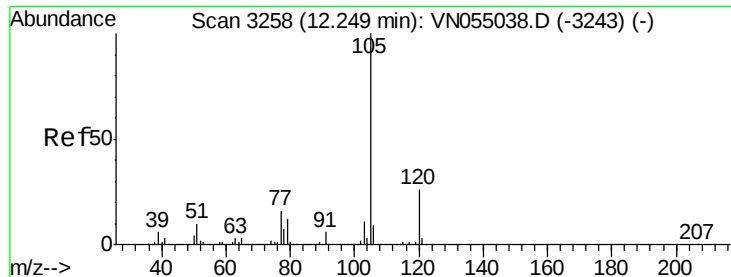


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.905 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Instrument :

MSVOA_N

ClientSampled :

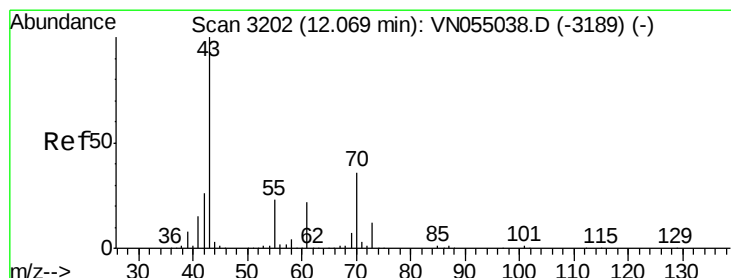
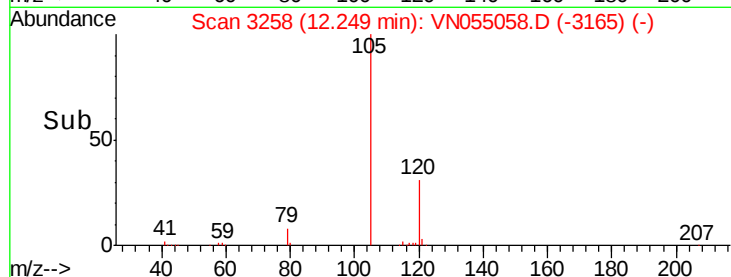
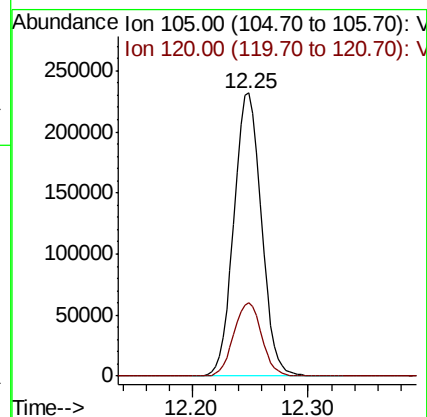
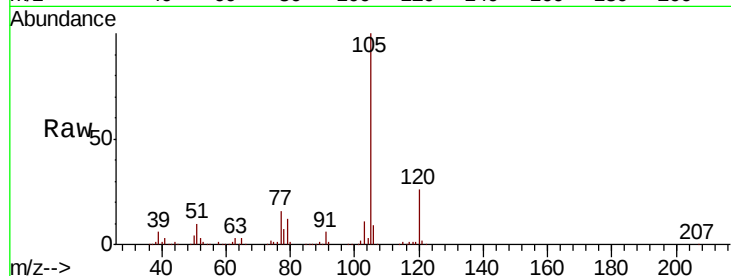
VN0415WBSD01

Tot Ion:105 Resp: 380425

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.9



#74

N-ethyl acetate

Concen: 19.551 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Tgt Ion: 43 Resp: 110750

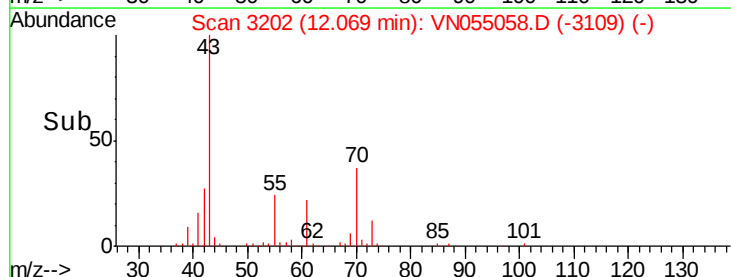
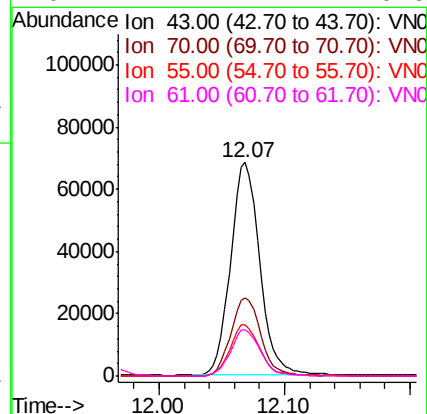
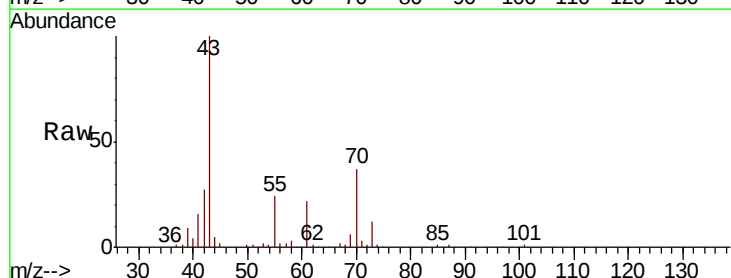
Ion Ratio Lower Upper

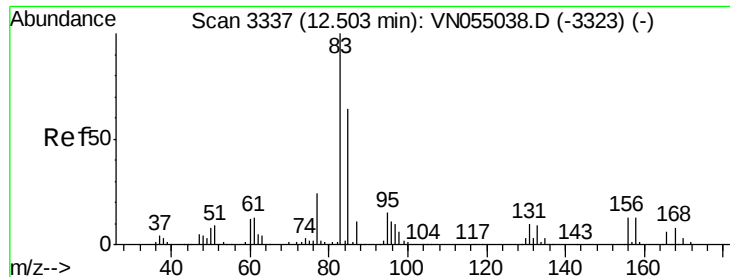
43 100

70 37.6 29.4 44.0

55 24.8 19.0 28.4

61 22.4 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 18.163 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBSD01

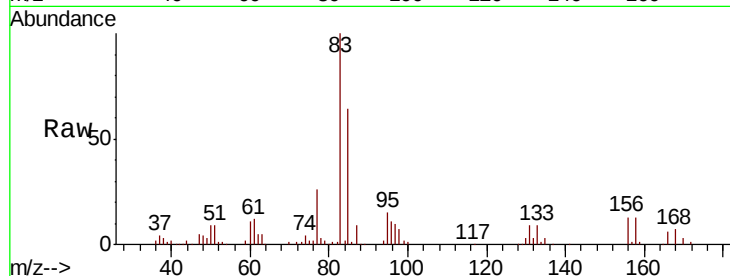
Tot Ion: 83 Resp: 97795

Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.0	15.0
85	65.6	32.3	96.9

83 100

131 10.3 5.0 15.0

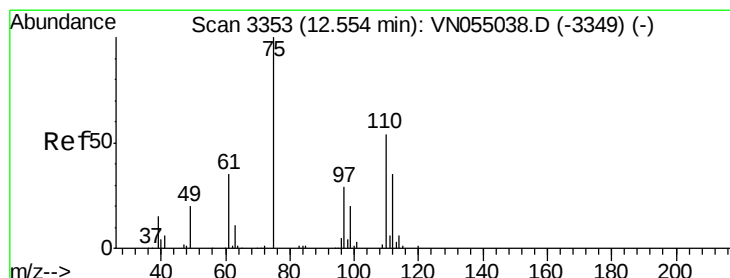
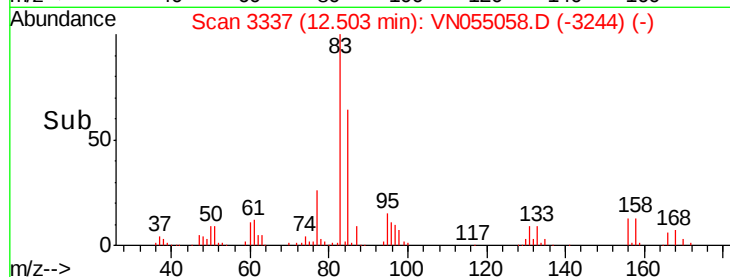
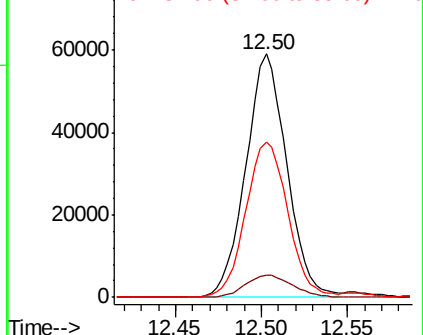
85 65.6 32.3 96.9



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: 27.078 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN055058.D

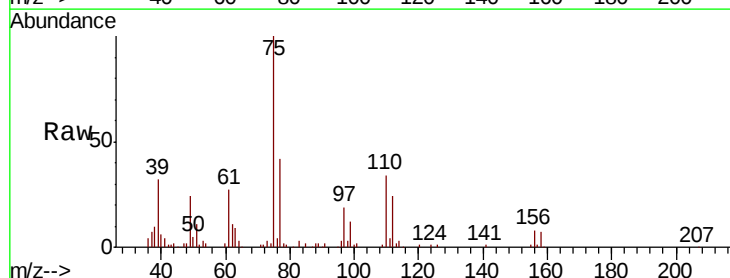
Acq: 15 Apr 2019 22:12

Tgt Ion: 75 Resp: 110419

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

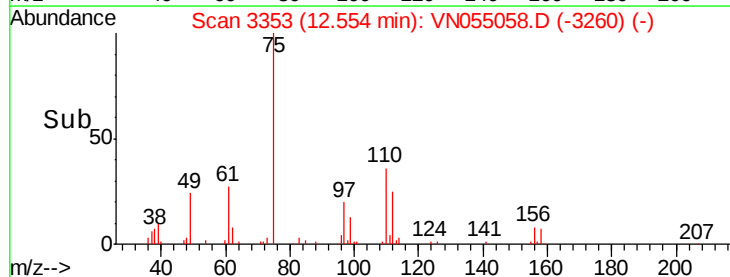
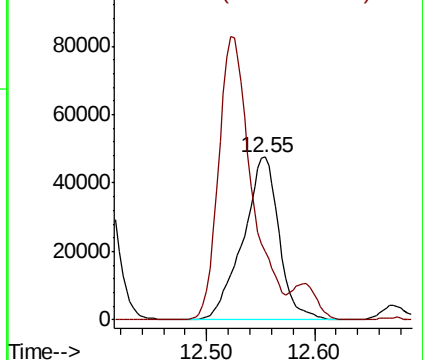
75 100

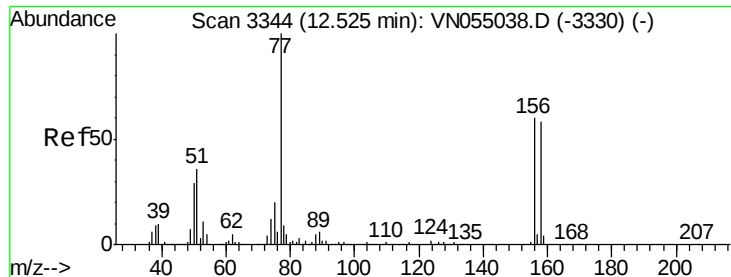
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 18.777 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBSD01

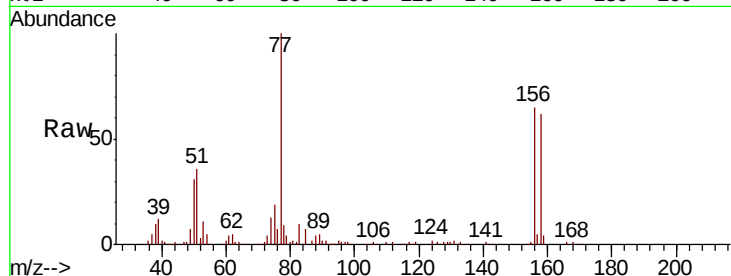
Tot Ion:156 Resp: 94199

Ion Ratio Lower Upper

156 100

77 188.3 97.2 291.5

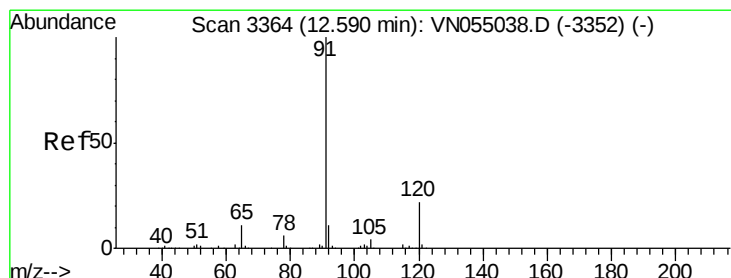
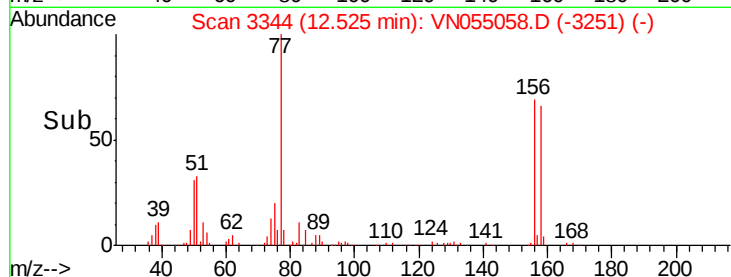
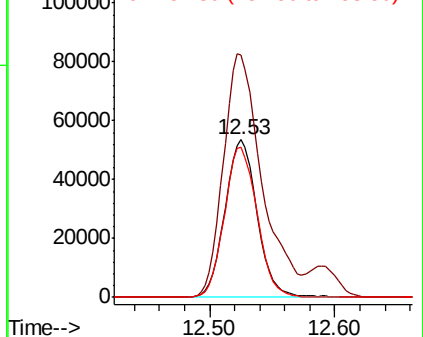
158 97.7 48.6 145.9



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: 19.153 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055058.D

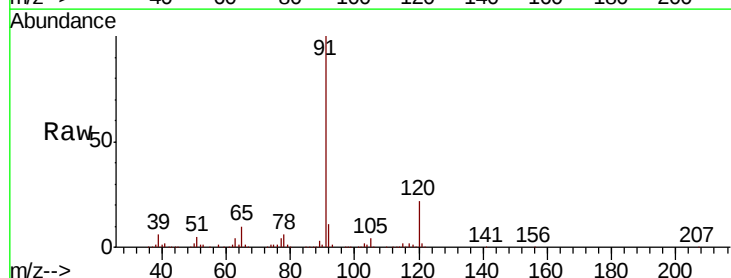
Acq: 15 Apr 2019 22:12

Tgt Ion: 91 Resp: 416399

Ion Ratio Lower Upper

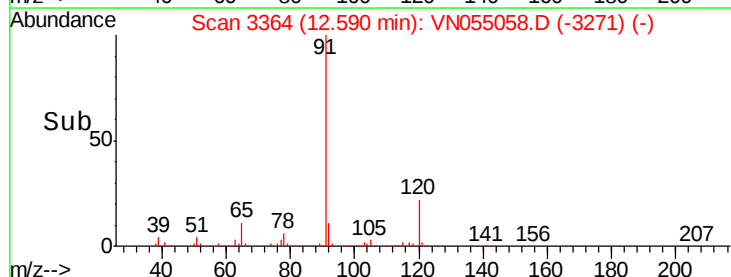
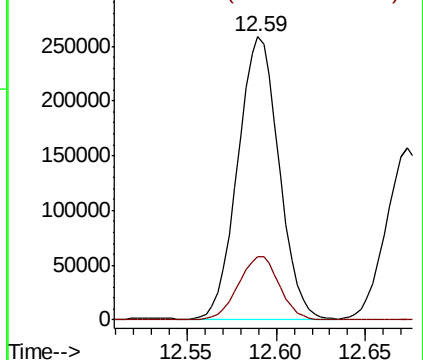
91 100

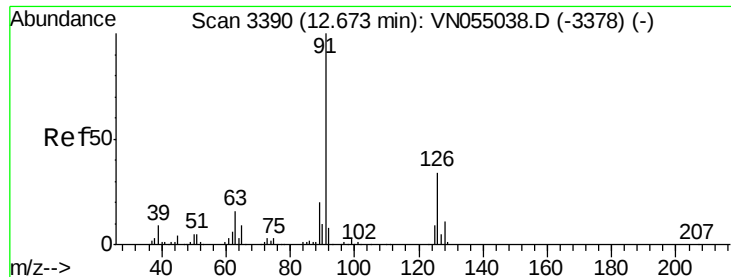
120 22.3 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.203 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

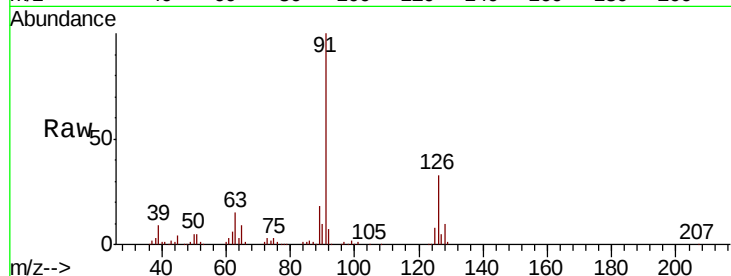
VN0415WBSD01

Tot Ion: 91 Resp: 260407

Ion Ratio Lower Upper

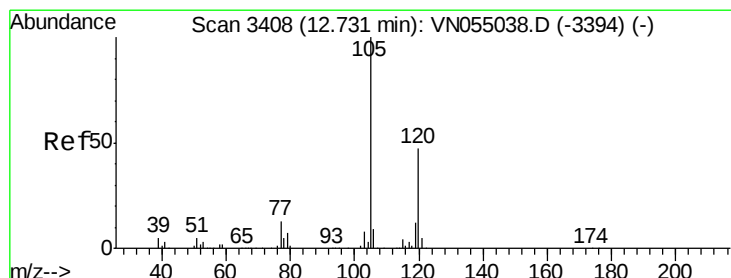
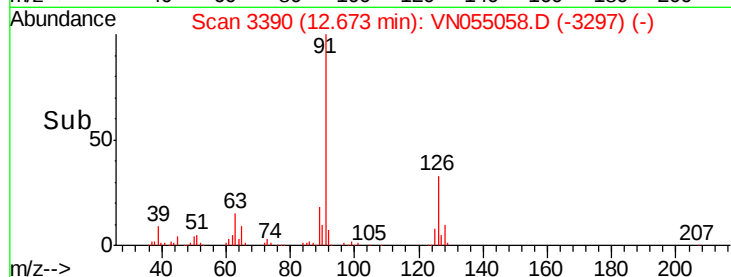
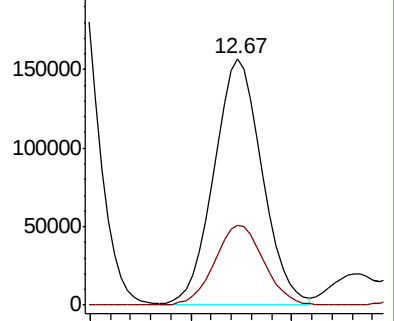
91 100

126 33.5 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VN055038.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055038.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.997 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055058.D

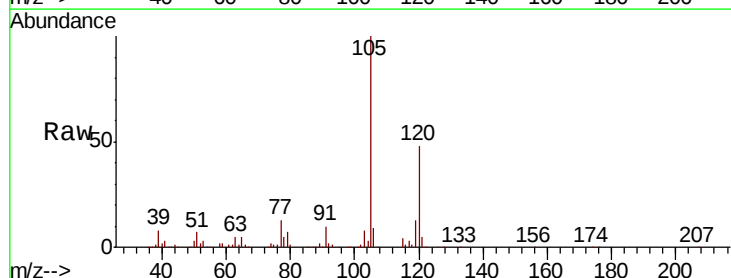
Acq: 15 Apr 2019 22:12

Tgt Ion:105 Resp: 308496

Ion Ratio Lower Upper

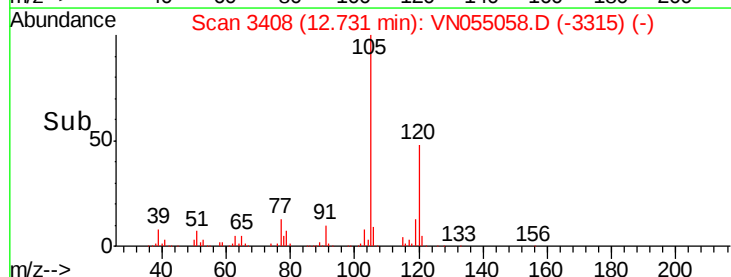
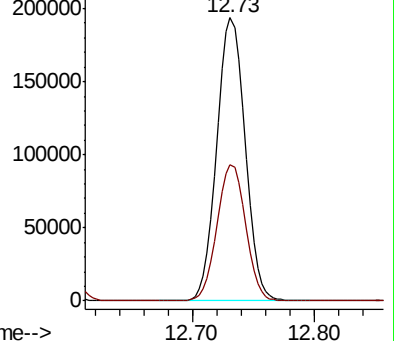
105 100

120 48.6 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN055038.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN055038.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.965 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Instrument :

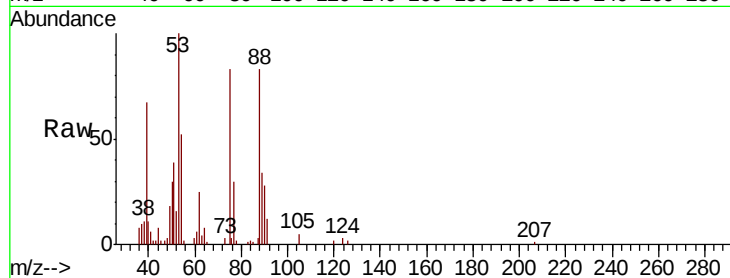
MSVOA_N

ClientSampleId :

VN0415WBSD01

Tot Ion: 75 Resp: 18320

Ion	Ratio	Lower	Upper
75	100		
53	121.0	96.3	144.5
89	45.0	38.6	57.8

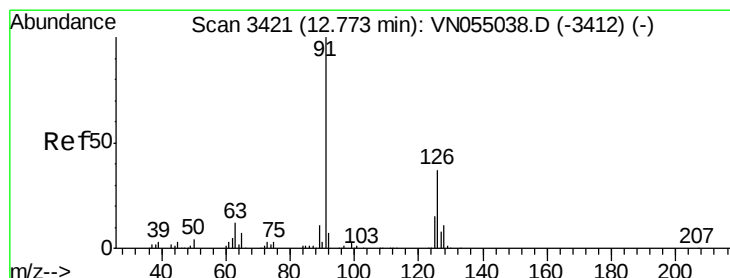
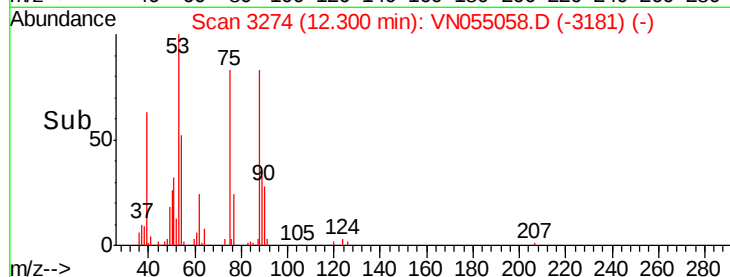
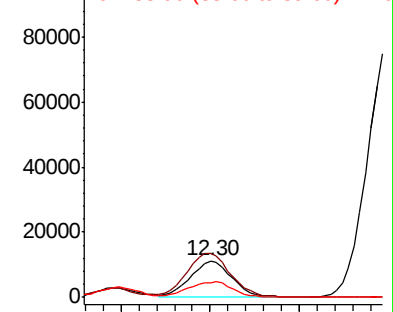


Abundance

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: 19.228 ug/l

RT: 12.77 min Scan# 3421

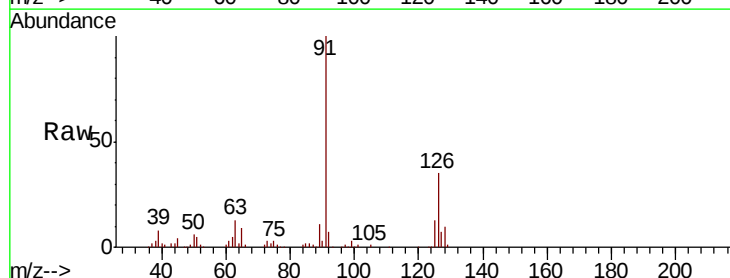
Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Tgt Ion: 91 Resp: 243273

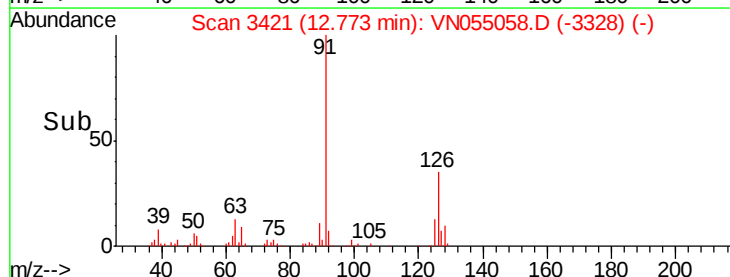
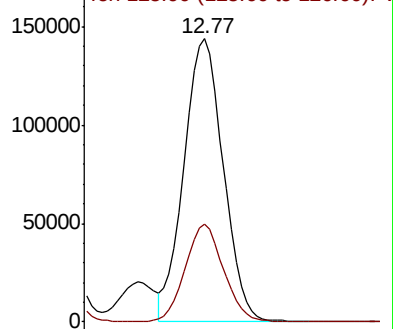
Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.4	49.2

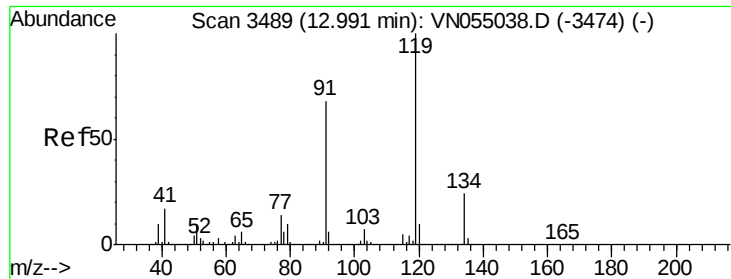


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

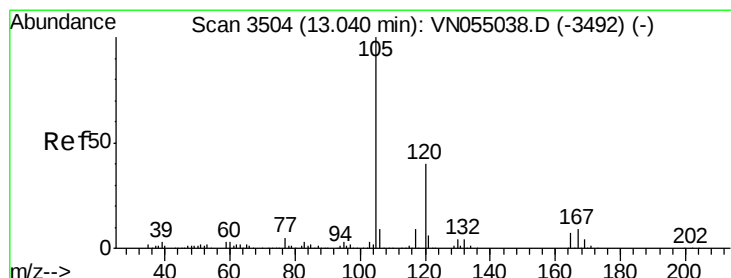
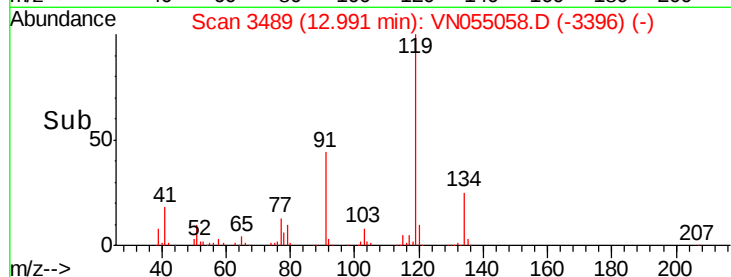
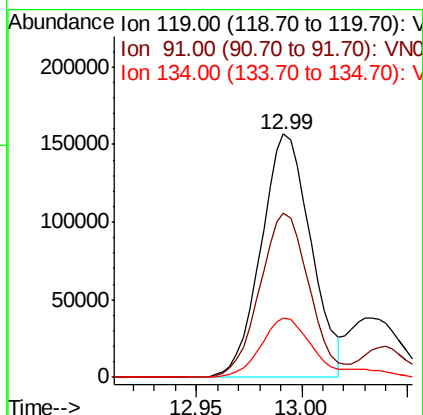
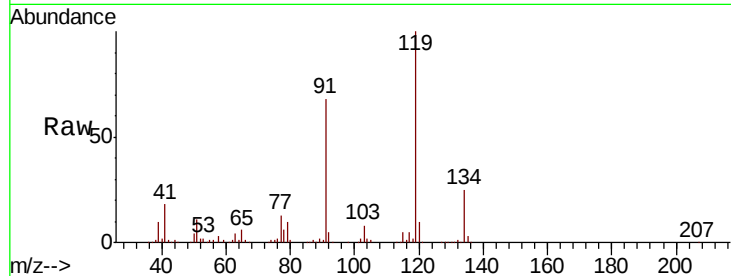




#83
 tert-Butylbenzene
 Concen: 18.786 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

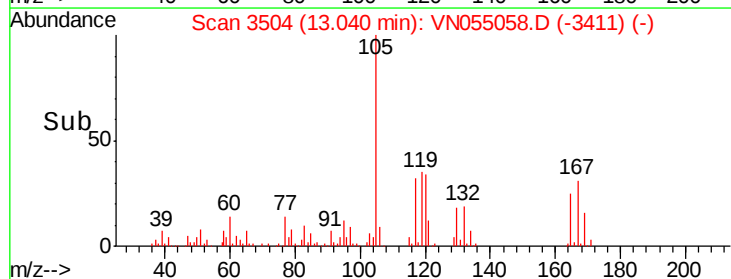
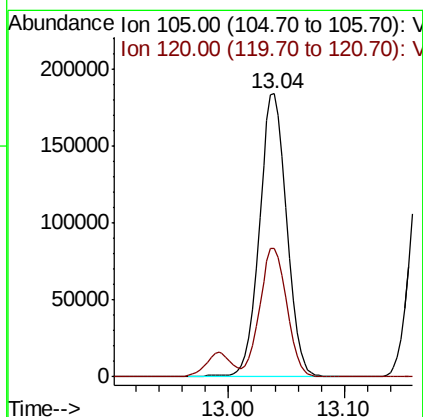
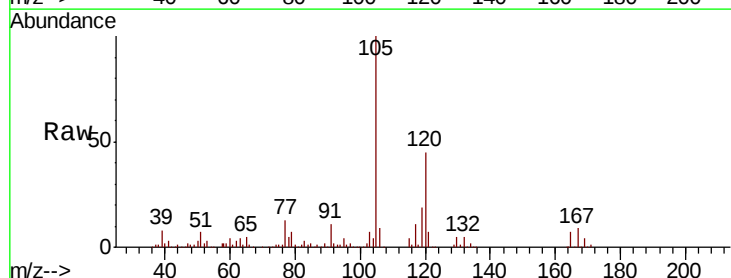
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBSD01

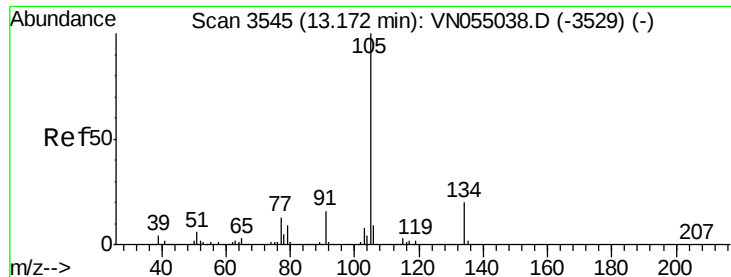
Tot Ion:119 Resp: 257640
 Ion Ratio Lower Upper
 119 100
 91 67.1 33.3 99.8
 134 24.4 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 19.593 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

Tgt Ion:105 Resp: 301532
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.4 67.3

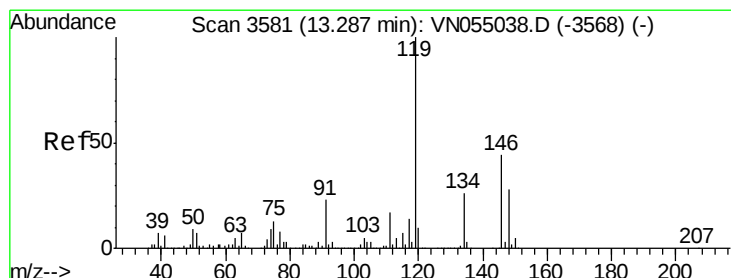
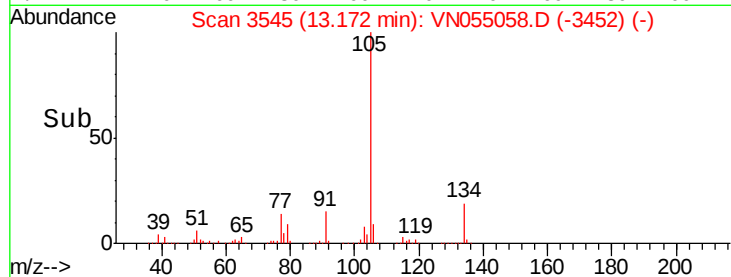
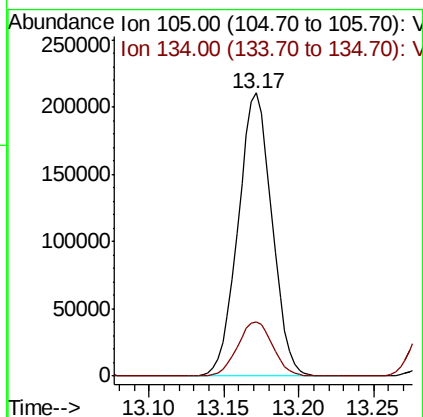
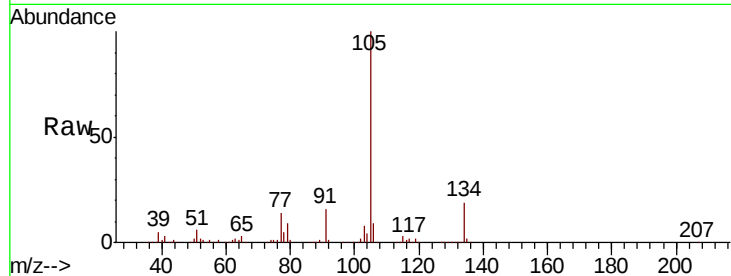




#85
 sec-Butylbenzene
 Concen: 18.986 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

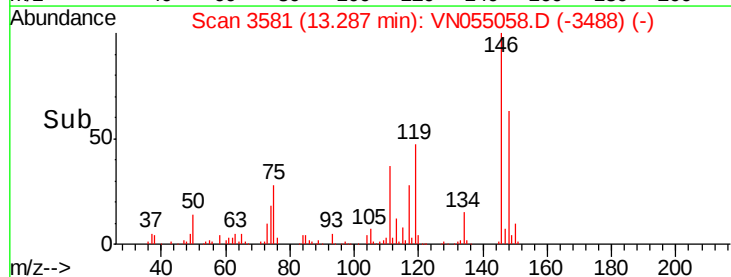
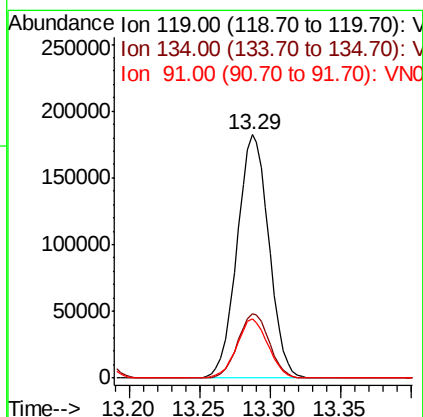
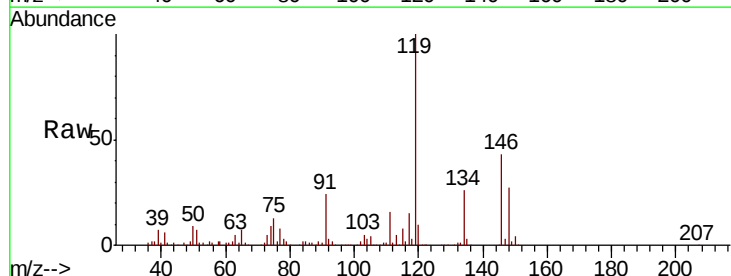
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBSD01

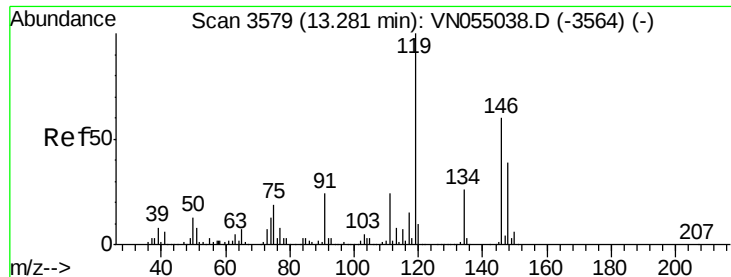
Tot Ion:105 Resp: 331773
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 19.203 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

Tgt Ion:119 Resp: 287892
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.2 39.5
 91 23.6 11.7 35.1

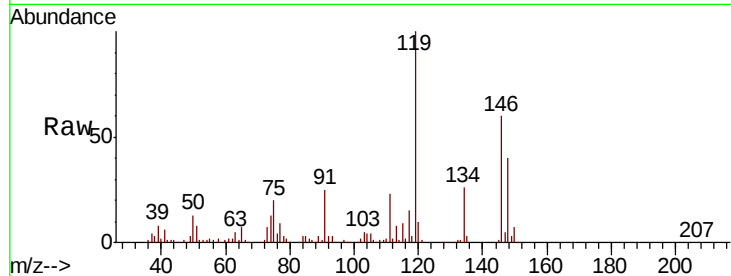




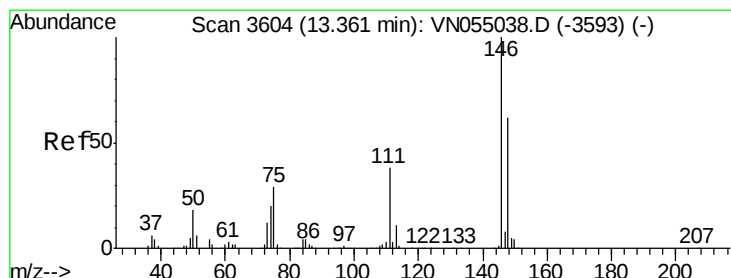
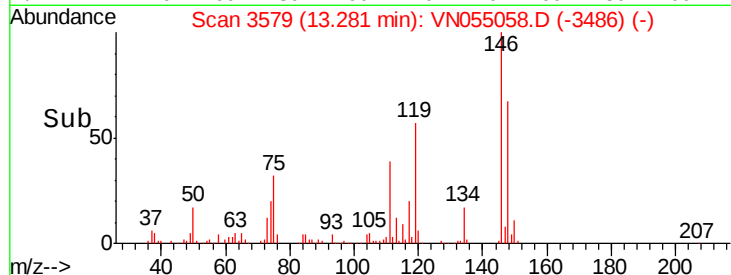
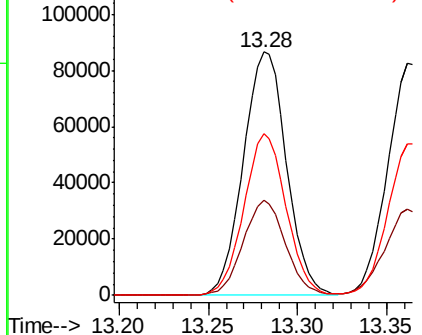
#87
 1,3-Dichlorobenzene
 Concen: 19.163 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBSD01

Tot Ion:146 Resp: 146121
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.5 58.5
 148 64.9 31.6 94.7

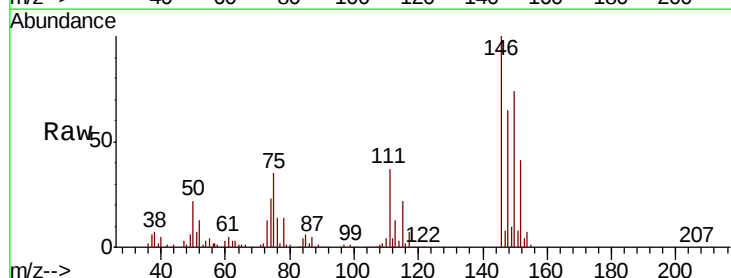


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

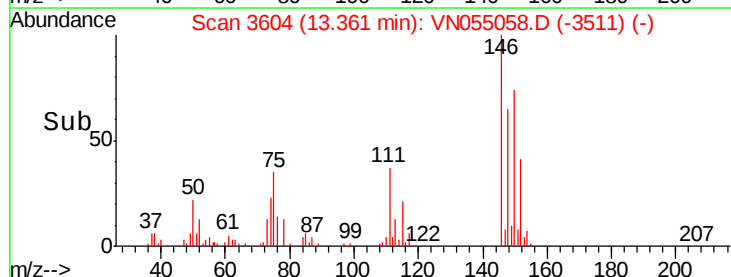
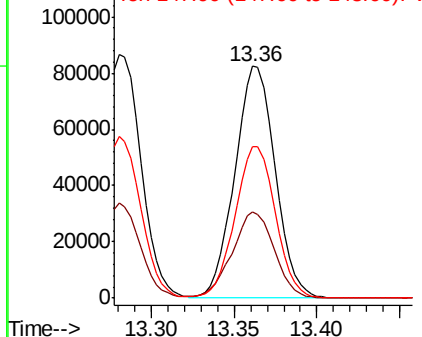


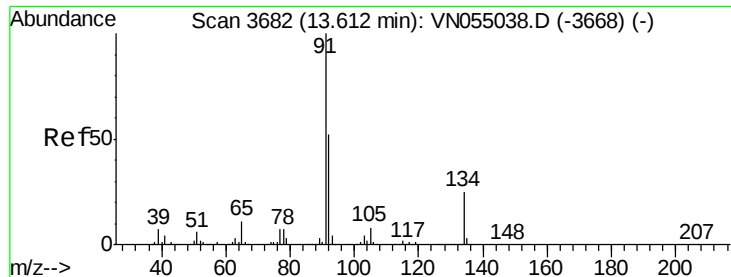
#88
 1,4-Dichlorobenzene
 Concen: 19.285 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

Tgt Ion:146 Resp: 140228
 Ion Ratio Lower Upper
 146 100
 111 38.6 18.8 56.4
 148 65.3 32.4 97.2



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





#89

n-Butylbenzene

Concen: 19.231 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBSD01

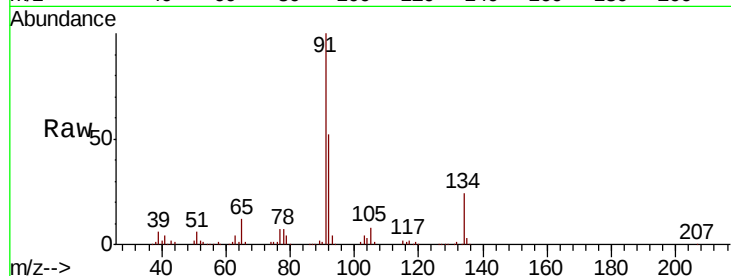
Tot Ion: 91 Resp: 214032

Ion Ratio Lower Upper

91 100

92 52.6 25.9 77.7

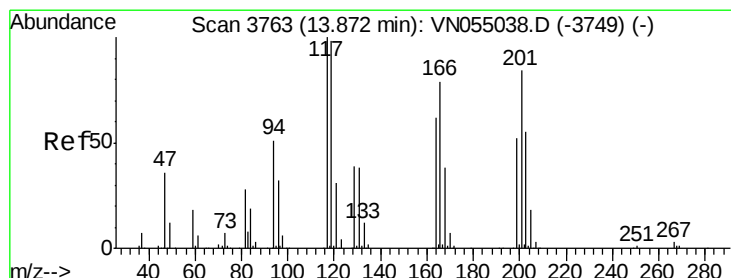
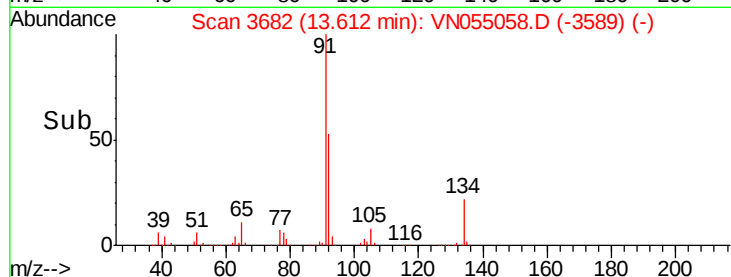
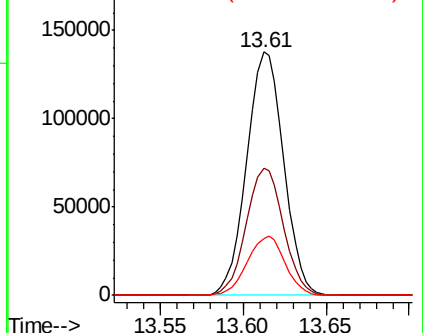
134 24.7 12.8 38.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 18.298 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN055058.D

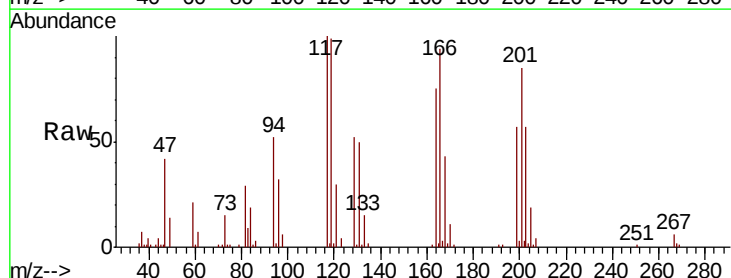
Acq: 15 Apr 2019 22:12

Tgt Ion: 117 Resp: 44636

Ion Ratio Lower Upper

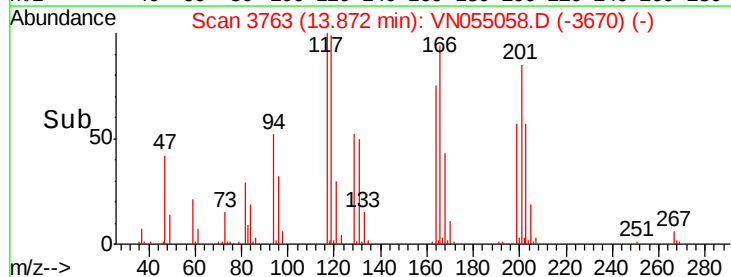
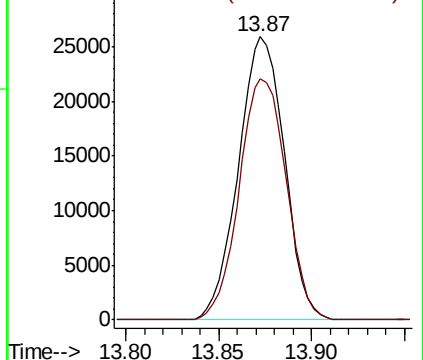
117 100

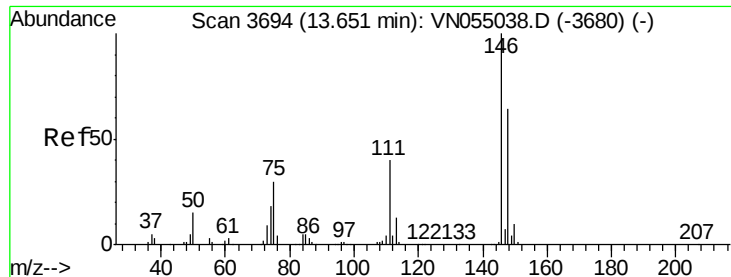
201 86.8 43.4 130.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 19.293 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBSD01

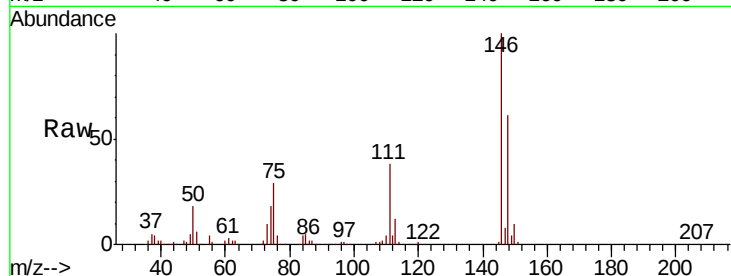
Tot Ion:146 Resp: 148014

Ion Ratio Lower Upper

146 100

111 38.7 20.3 60.9

148 62.8 32.2 96.6

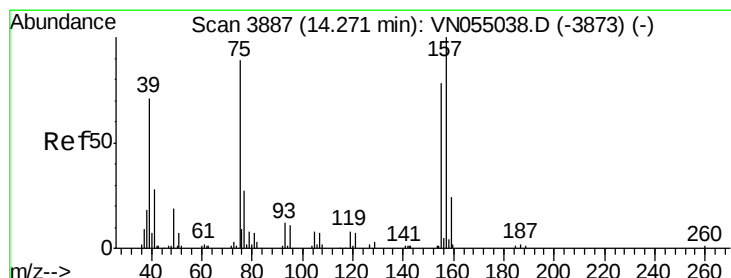
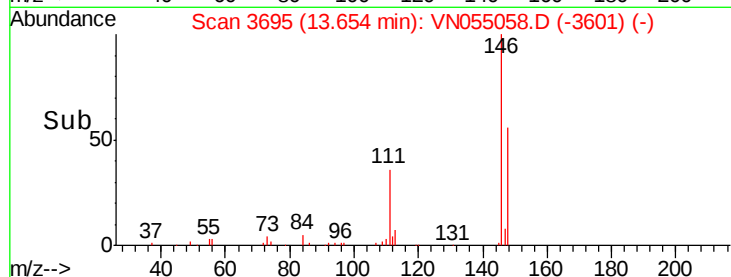
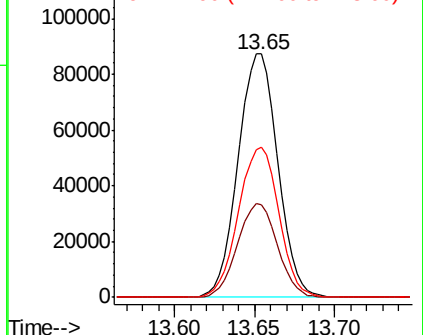


Abundance

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: 17.168 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

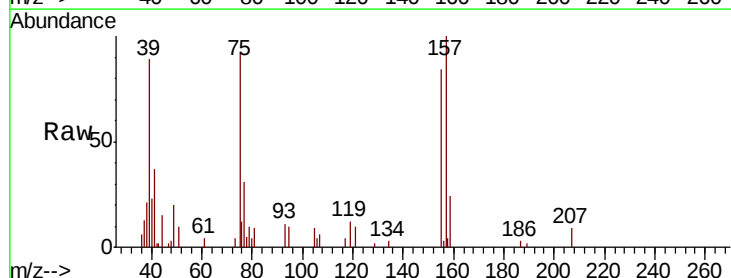
Tgt Ion: 75 Resp: 11383

Ion Ratio Lower Upper

75 100

155 94.6 42.0 126.0

157 117.7 52.1 156.4

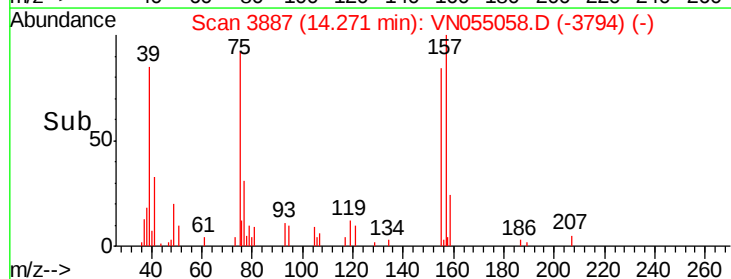
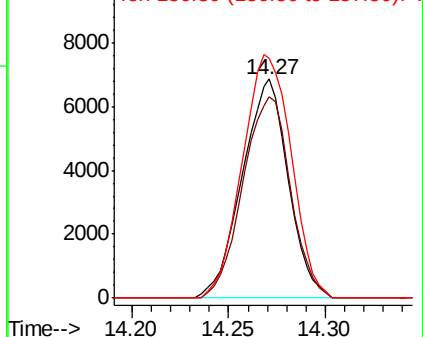


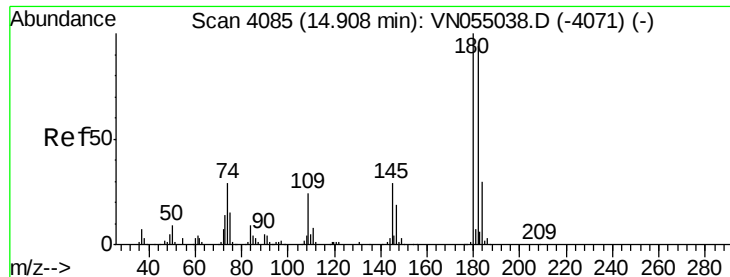
Abundance

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

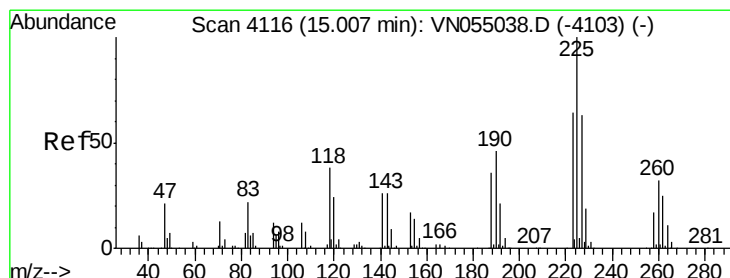
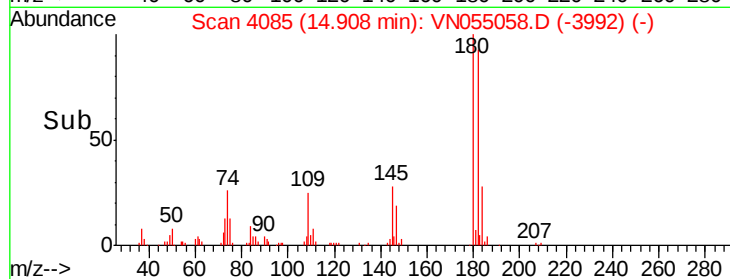
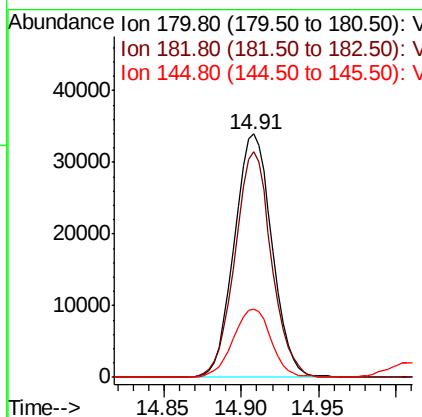
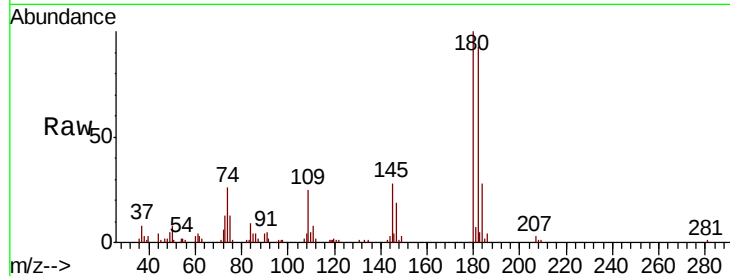




#93
 1,2,4-Trichlorobenzene
 Concen: 18.313 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

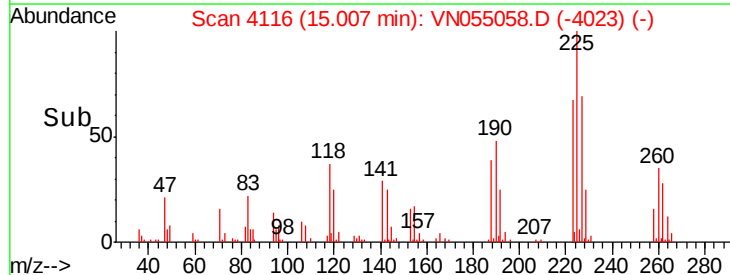
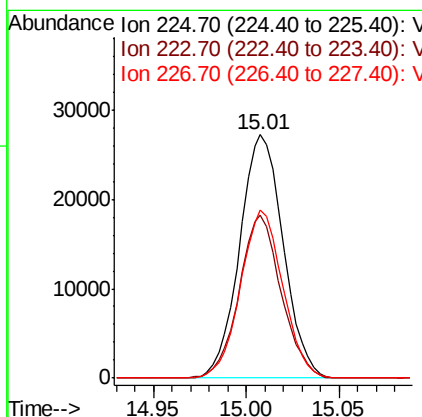
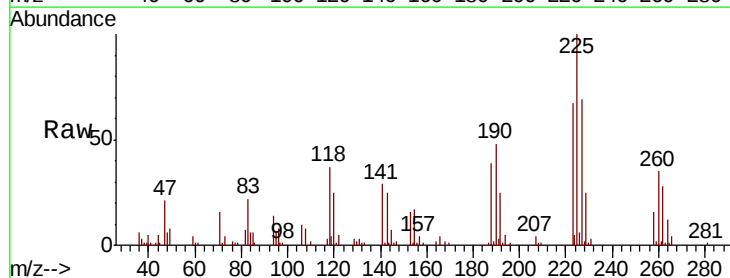
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBSD01

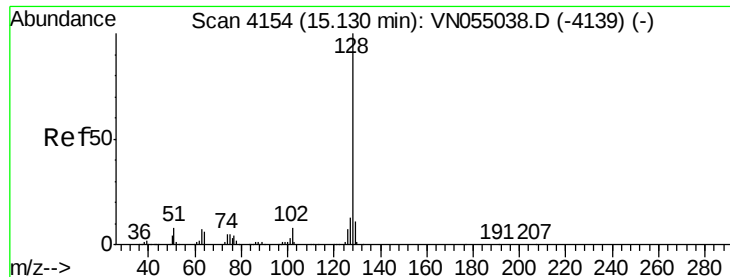
Tot Ion:180 Resp: 57454
 Ion Ratio Lower Upper
 180 100
 182 89.9 47.5 142.6
 145 28.3 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 18.751 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

Tgt Ion:225 Resp: 44434
 Ion Ratio Lower Upper
 225 100
 223 64.5 31.4 94.0
 227 67.0 32.6 97.7





#95

Naphthalene

Concen: 17.817 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBSD01

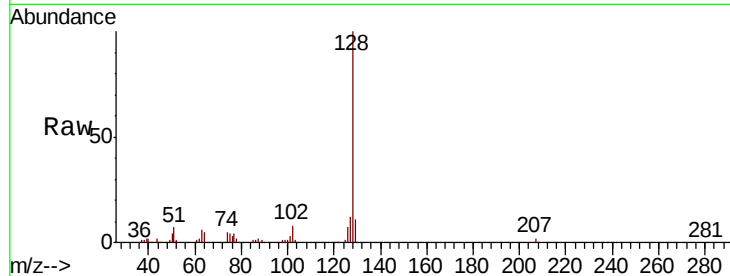
Tot Ion:128 Resp: 127768

Ion Ratio Lower Upper

128 100

127 12.8 10.1 15.1

129 11.0 8.8 13.2

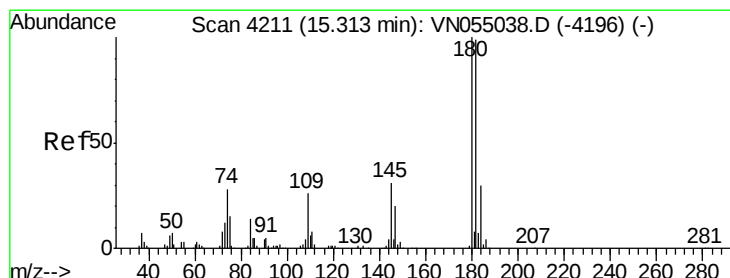
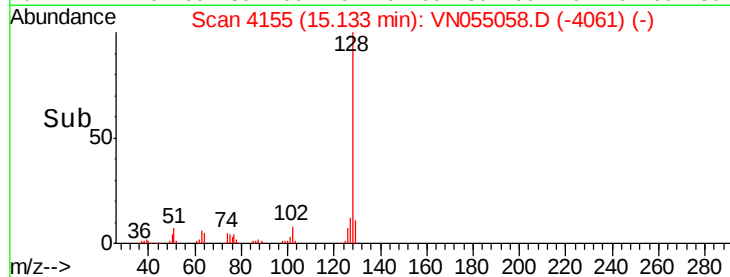
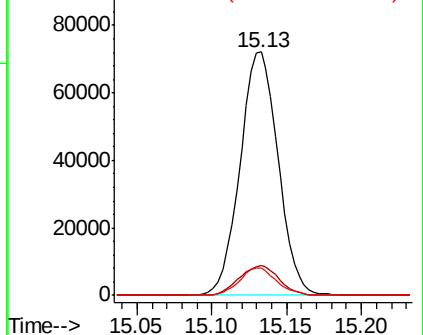


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.958 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

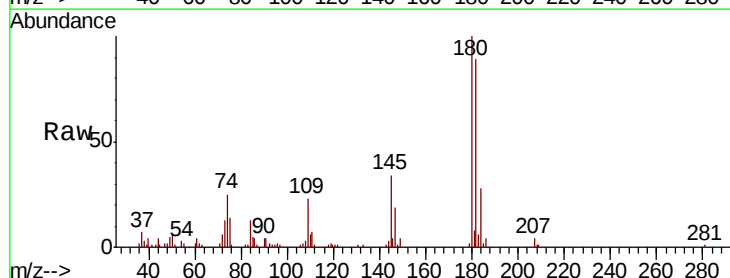
Tgt Ion:180 Resp: 59070

Ion Ratio Lower Upper

180 100

182 92.6 48.0 144.0

145 31.7 15.3 45.9



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

