

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041319\
 Data File : VN055006.D
 Acq On : 12 Apr 2019 18:26
 Operator : JC/SP
 Sample : VN0413WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBS01

Quant Time: Apr 13 03:42:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 03:34:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	436042	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	693646	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	608444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	250003	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	275686	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	
35) Dibromofluoromethane	7.59	113	220805	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	
50) Toluene-d8	10.09	98	816396	50.27	ug/l	0.00
Spiked Amount			Recovery	=	100.54%	
62) 4-Bromofluorobenzene	12.40	95	272486	49.81	ug/l	0.00
Spiked Amount			Recovery	=	99.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	101710	21.147	ug/l	99
3) Chloromethane	2.06	50	127948	19.837	ug/l	100
4) Vinyl Chloride	2.19	62	108168	20.667	ug/l	100
5) Bromomethane	2.56	94	63821	21.065	ug/l	95
6) Chloroethane	2.70	64	56561	19.596	ug/l	100
7) Trichlorofluoromethane	3.02	101	134446	20.479	ug/l	99
8) Diethyl Ether	3.41	74	43137	20.893	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	71212	20.797	ug/l	98
10) Methyl Iodide	3.94	142	91788	18.587	ug/l	100
11) Tert butyl alcohol	4.83	59	37924	112.627	ug/l #	85
12) 1,1-Dichloroethene	3.73	96	66854	19.830	ug/l	95
13) Acrolein	3.61	56	38904	95.719	ug/l	99
14) Allyl chloride	4.31	41	168872	20.501	ug/l	99
15) Acrylonitrile	5.00	53	191016	102.851	ug/l	99
16) Acetone	3.82	43	152415	101.391	ug/l	98
17) Carbon Disulfide	4.04	76	213825	19.473	ug/l	99
18) Methyl Acetate	4.33	43	93395	20.043	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	249094	20.680	ug/l	100
20) Methylene Chloride	4.54	84	102336	20.068	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	90931	20.474	ug/l	92
22) Diisopropyl ether	5.96	45	344126	20.605	ug/l	97
23) Vinyl Acetate	5.90	43	1224122	104.793	ug/l	98
24) 1,1-Dichloroethane	5.84	63	181499	20.121	ug/l	99
25) 2-Butanone	6.85	43	245425	106.005	ug/l	98
26) 2,2-Dichloropropane	6.82	77	121442	20.350	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	103573	20.075	ug/l	99
28) Bromochloromethane	7.19	49	89323	20.871	ug/l	100
29) Tetrahydrofuran	7.22	42	162672	107.182	ug/l	99
30) Chloroform	7.37	83	176519	20.522	ug/l	98
31) Cyclohexane	7.65	56	175413	20.210	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	140952	20.570	ug/l	99
36) 1,1-Dichloropropene	7.79	75	129893	20.262	ug/l	100
37) Ethyl Acetate	6.94	43	104849	21.786	ug/l	99
38) Carbon Tetrachloride	7.77	117	118780	19.684	ug/l	98

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 Misc : 5.00mL/MSVOA N/WATER
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 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 03:34:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	149364	20.352	ug/l	99
40) Benzene	8.04	78	395442	20.403	ug/l	99
41) Methacrylonitrile	7.18	41	56296	19.011	ug/l	98
42) 1,2-Dichloroethane	8.13	62	137809	20.212	ug/l	100
43) Isopropyl Acetate	8.17	43	172070	20.910	ug/l	99
44) Trichloroethene	8.83	130	98798	19.947	ug/l	93
45) 1,2-Dichloropropane	9.12	63	110976	20.290	ug/l	100
46) Dibromomethane	9.21	93	62415	19.916	ug/l	96
47) Bromodichloromethane	9.40	83	129256	20.281	ug/l	98
48) Methyl methacrylate	9.20	41	85828	20.246	ug/l	97
49) 1,4-Dioxane	9.20	88	19911	436.737	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	500985	103.974	ug/l	99
52) Toluene	10.16	92	236492	20.632	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	114260	19.799	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	143740	20.220	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	86911	20.354	ug/l	95
56) Ethyl methacrylate	10.43	69	111565	20.305	ug/l	98
57) 1,3-Dichloropropane	10.71	76	153631	20.857	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	217052	99.718	ug/l	100
59) 2-Hexanone	10.75	43	313515	104.124	ug/l	98
60) Dibromochloromethane	10.90	129	85906	20.212	ug/l	99
61) 1,2-Dibromoethane	11.00	107	81990	20.055	ug/l	99
64) Tetrachloroethene	10.63	164	98264	20.646	ug/l	98
65) Chlorobenzene	11.43	112	245571	20.932	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	89026	20.591	ug/l	98
67) Ethyl Benzene	11.51	91	443541	20.582	ug/l	99
68) m/p-Xylenes	11.62	106	331036	41.986	ug/l	98
69) o-Xylene	11.95	106	157790	20.227	ug/l	99
70) Styrene	11.96	104	255972	20.694	ug/l	98
71) Bromoform	12.13	173	52985	19.534	ug/l #	99
73) Isopropylbenzene	12.25	105	431095	20.281	ug/l	99
74) N-amyl acetate	12.07	43	126388	19.727	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	108727	19.757	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	124376	27.042	ug/l #	100
77) Bromobenzene	12.53	156	104225	21.336	ug/l	97
78) n-propylbenzene	12.59	91	478012	20.641	ug/l	100
79) 2-Chlorotoluene	12.67	91	288022	20.132	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	348165	20.121	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	22069	19.804	ug/l	95
82) 4-Chlorotoluene	12.77	91	275341	19.900	ug/l	98
83) tert-Butylbenzene	12.99	119	299402	20.197	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	337482	20.340	ug/l	100
85) sec-Butylbenzene	13.17	105	390971	20.657	ug/l	100
86) p-Isopropyltoluene	13.29	119	339162	20.601	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	168536	19.847	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	158702	19.541	ug/l	98
89) n-Butylbenzene	13.61	91	254640	19.694	ug/l	100
90) Hexachloroethane	13.87	117	51424	18.903	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	167101	20.271	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14449	20.191	ug/l	98

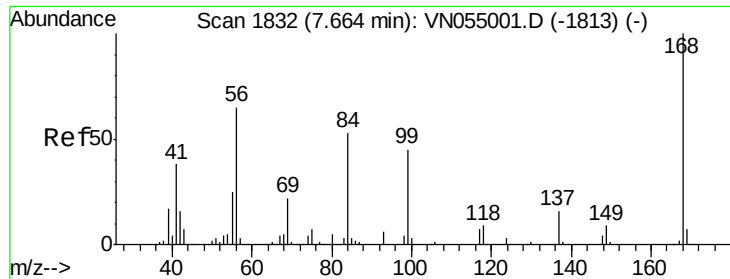
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041319\
Data File : VN055006.D
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Quant Title : SW846 8260
QLast Update : Sat Apr 13 03:34:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	66202	18.559	ug/l	98
94) Hexachlorobutadiene	15.01	225	57081	21.906	ug/l	97
95) Naphthalene	15.13	128	146540	18.579	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	71050	19.107	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

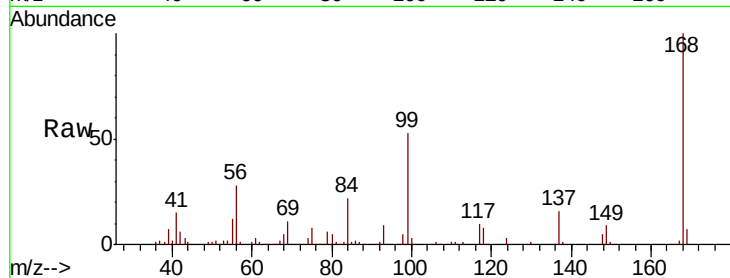
VN0413WBS01

Tot Ion:168 Resp: 436042

Ion Ratio Lower Upper

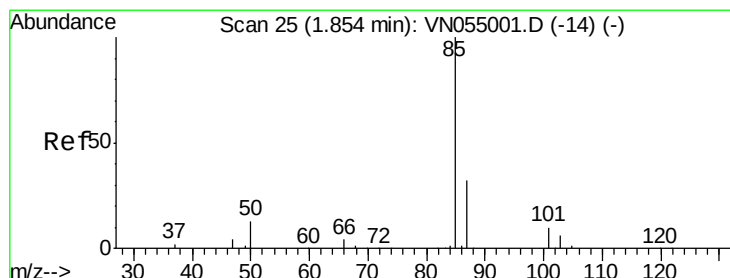
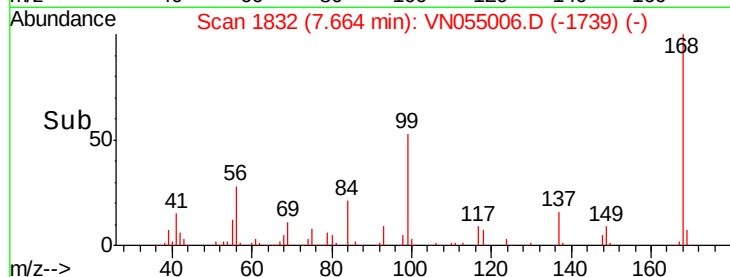
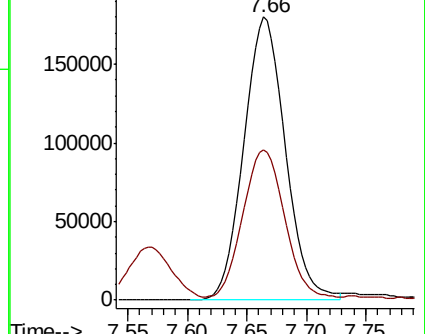
168 100

99 51.8 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 21.147 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055006.D

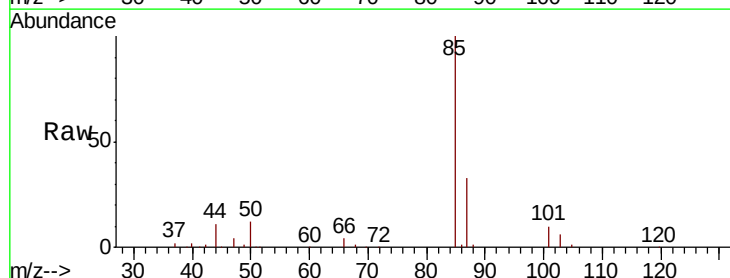
Acq: 12 Apr 2019 18:26

Tgt Ion: 85 Resp: 101710

Ion Ratio Lower Upper

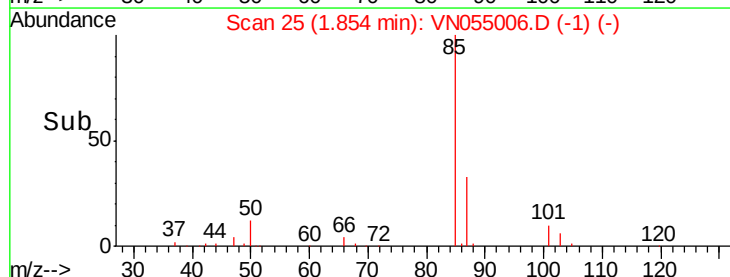
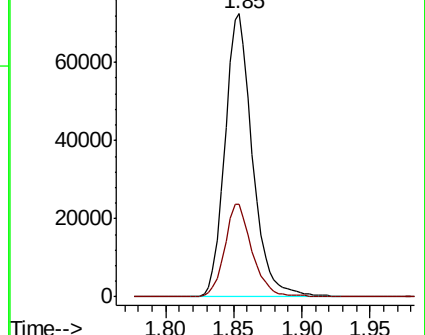
85 100

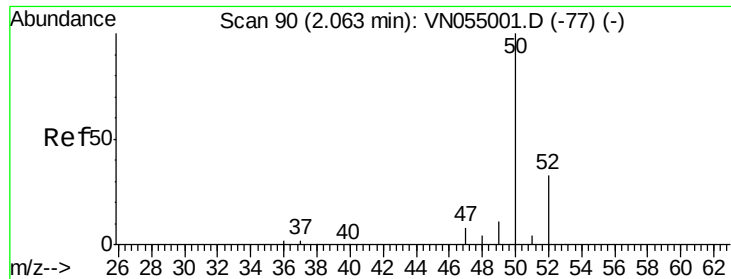
87 32.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 19.837 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

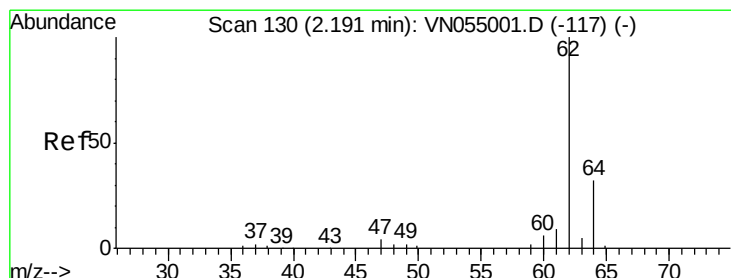
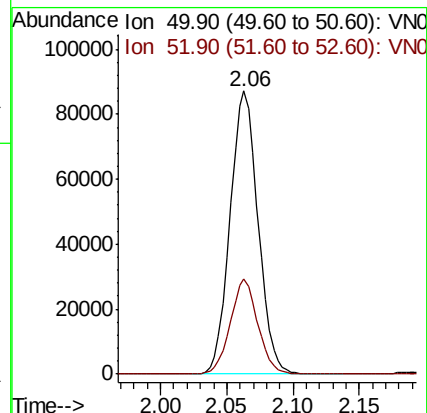
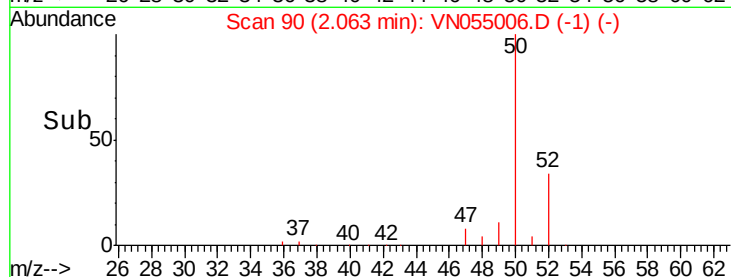
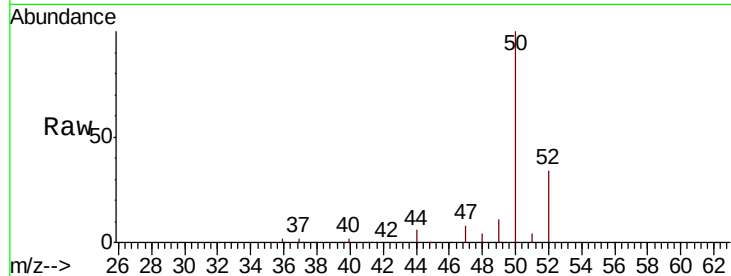
VN0413WBS01

Tot Ion: 50 Resp: 127948

Ion Ratio Lower Upper

50 100

52 33.5 26.6 40.0



#4

Vinyl Chloride

Concen: 20.667 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055006.D

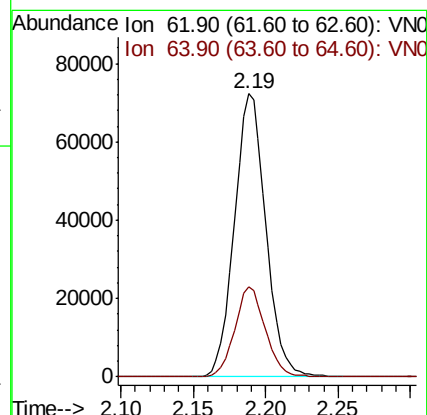
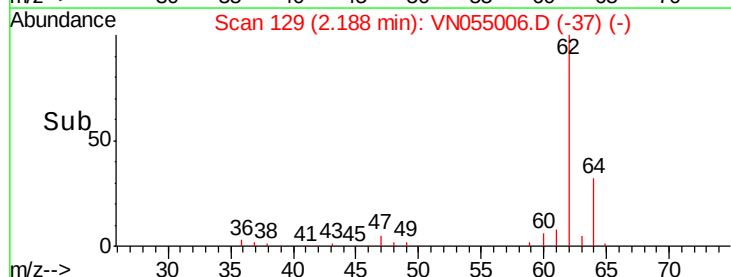
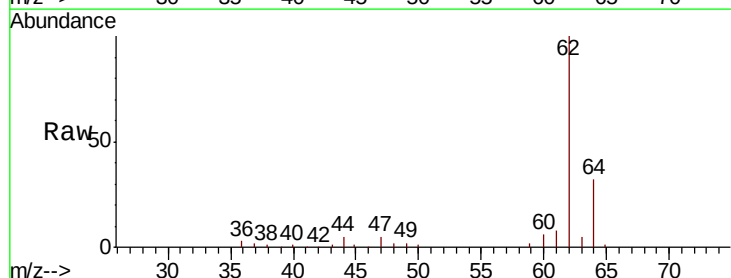
Acq: 12 Apr 2019 18:26

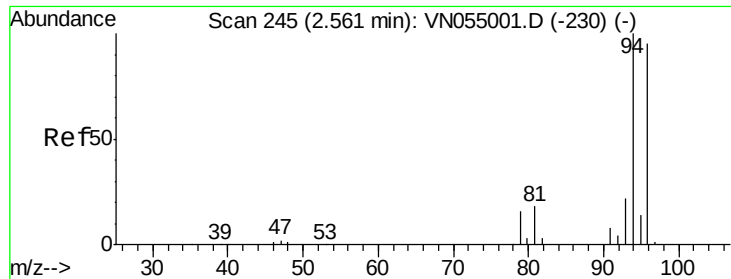
Tgt Ion: 62 Resp: 108168

Ion Ratio Lower Upper

62 100

64 32.0 25.8 38.6





#5

Bromomethane

Concen: 21.065 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

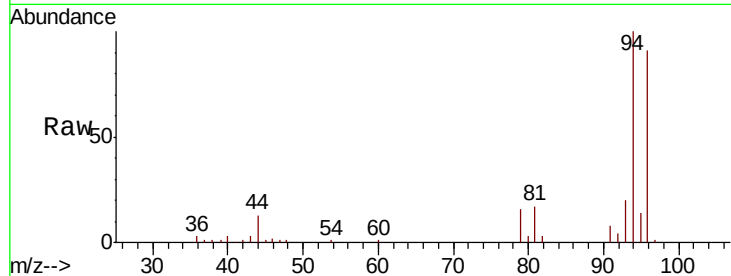
VN0413WBS01

Tot Ion: 94 Resp: 63821

Ion Ratio Lower Upper

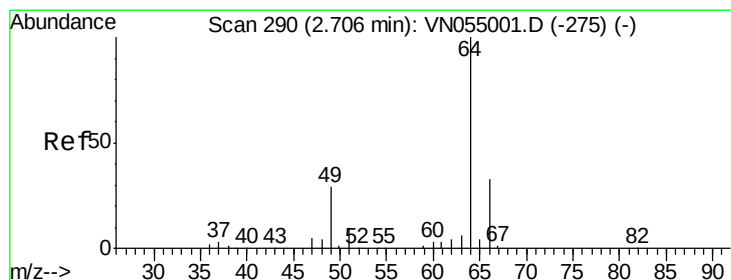
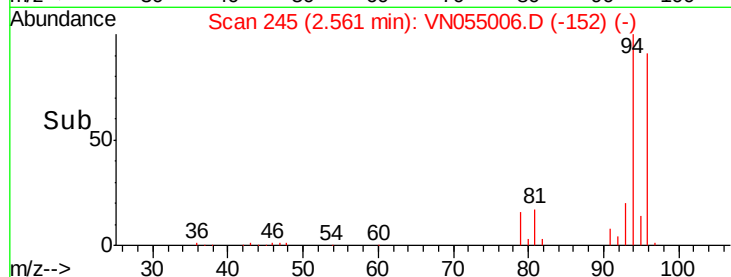
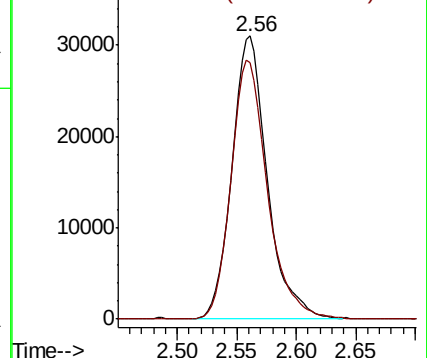
94 100

96 90.5 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.596 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN055006.D

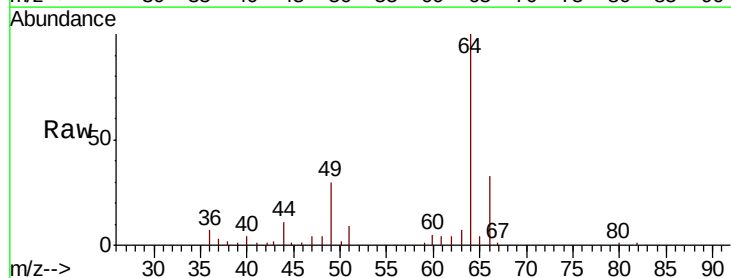
Acq: 12 Apr 2019 18:26

Tgt Ion: 64 Resp: 56561

Ion Ratio Lower Upper

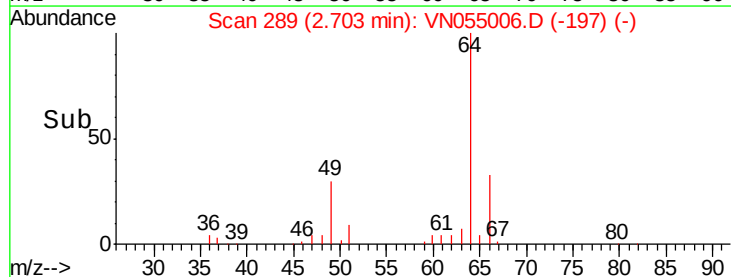
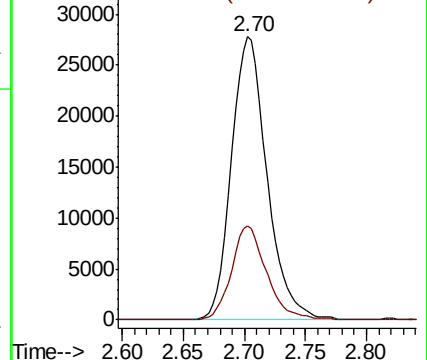
64 100

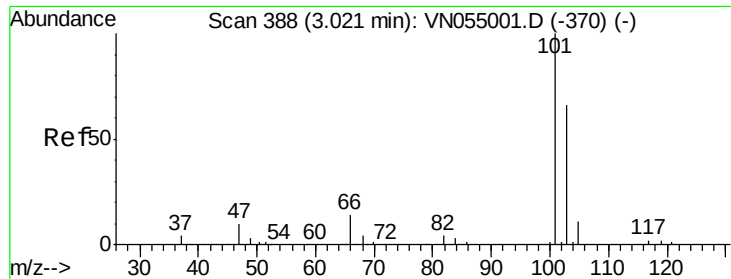
66 33.2 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



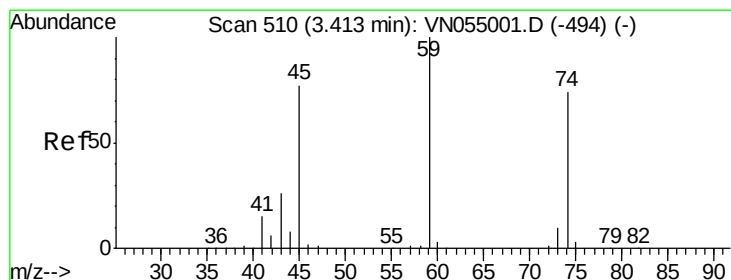
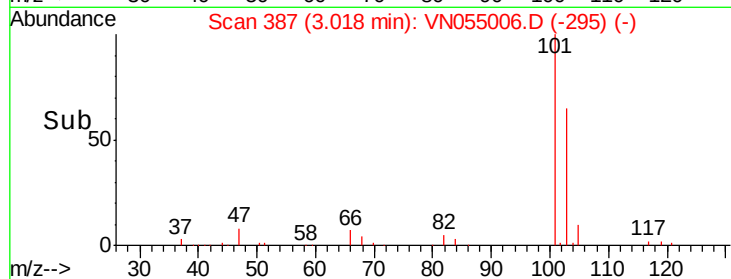
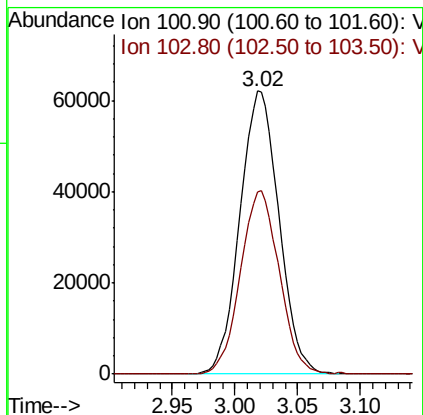
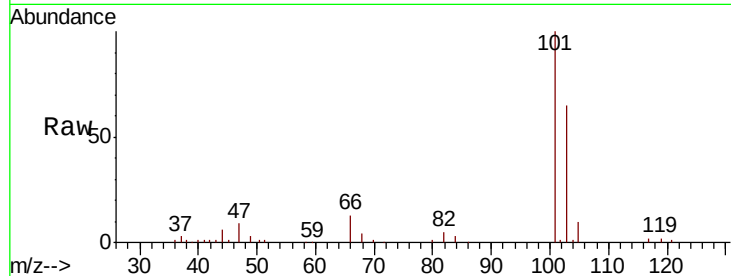


#7

Trichlorofluoromethane
 Concen: 20.479 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN055006.D
 Acq: 12 Apr 2019 18:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBS01

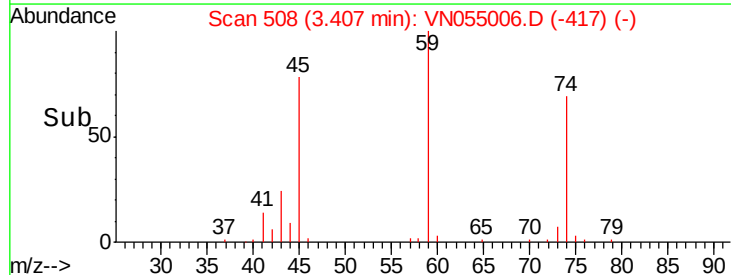
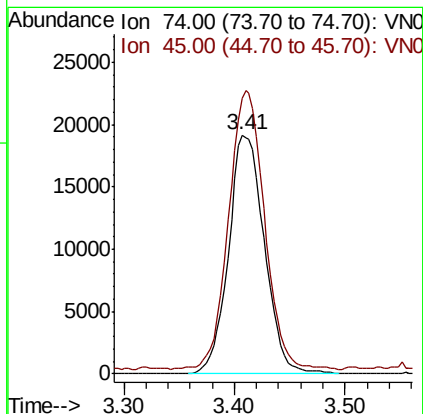
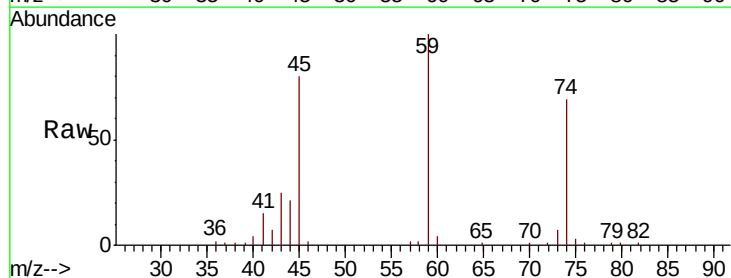
Tot Ion:101 Resp: 134446
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.5 78.7

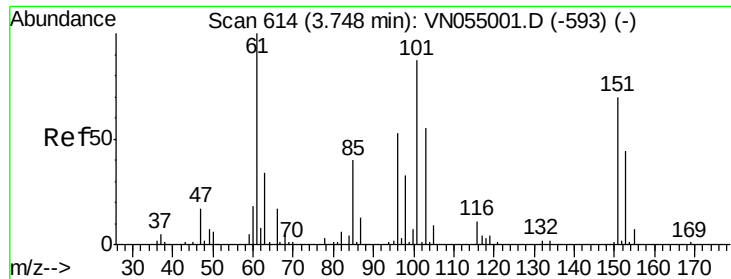


#8

Diethyl Ether
 Concen: 20.893 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. -0.01 min
 Lab File: VN055006.D
 Acq: 12 Apr 2019 18:26

Tgt Ion: 74 Resp: 43137
 Ion Ratio Lower Upper
 74 100
 45 113.9 55.7 167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.797 ug/l

RT: 3.75 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBS01

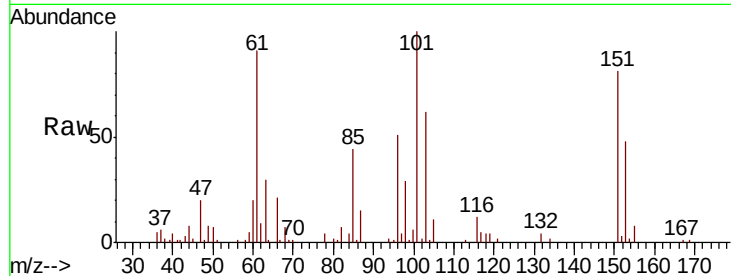
Tot Ion:101 Resp: 71212

Ion Ratio Lower Upper

101 100

85 44.4 36.9 55.3

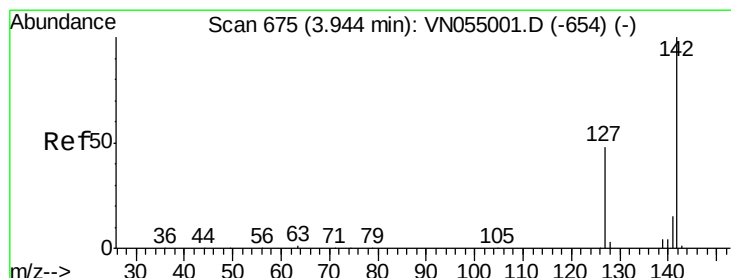
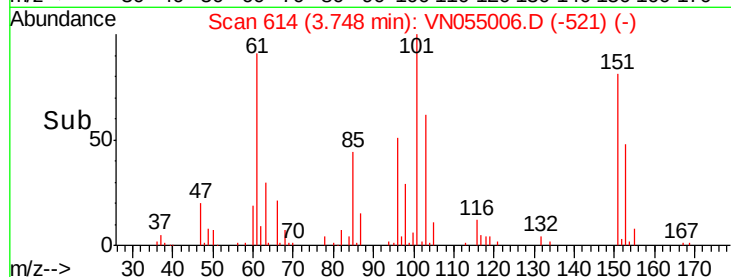
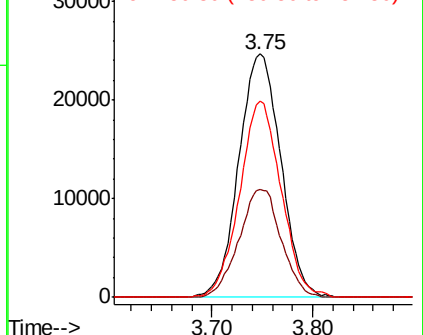
151 79.6 64.4 96.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.587 ug/l

RT: 3.94 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

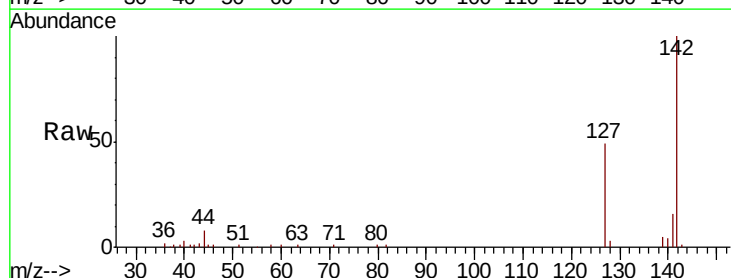
Tgt Ion:142 Resp: 91788

Ion Ratio Lower Upper

142 100

127 47.3 37.9 56.9

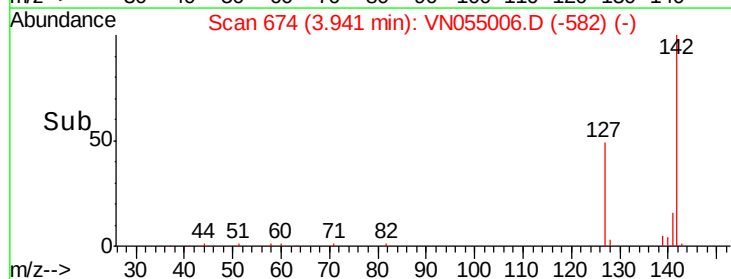
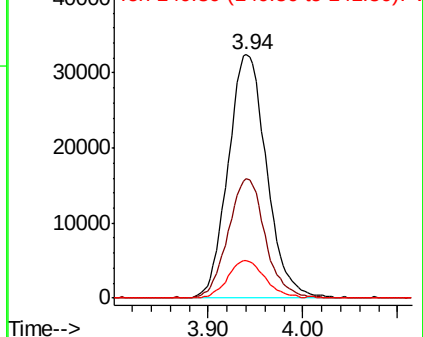
141 15.0 11.8 17.8

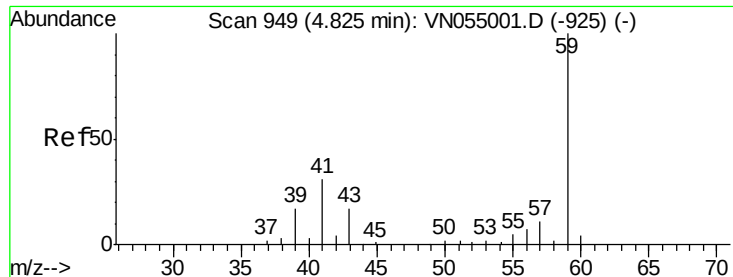


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

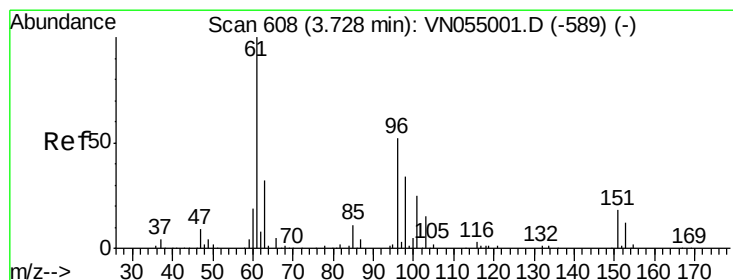
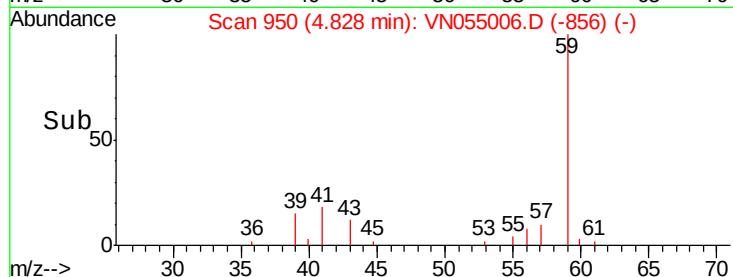
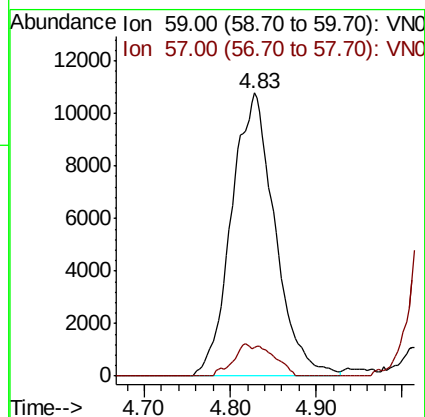
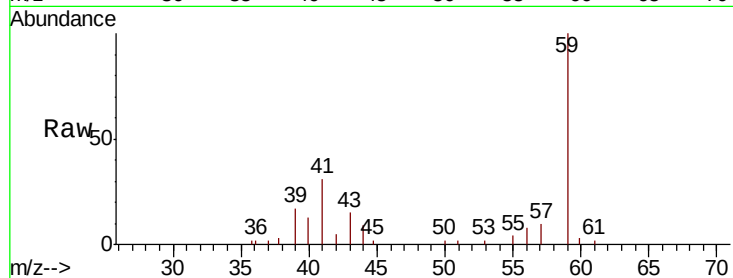




#11
Tert butyl alcohol
Concen: 112.627 ug/l
RT: 4.83 min Scan# 950
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

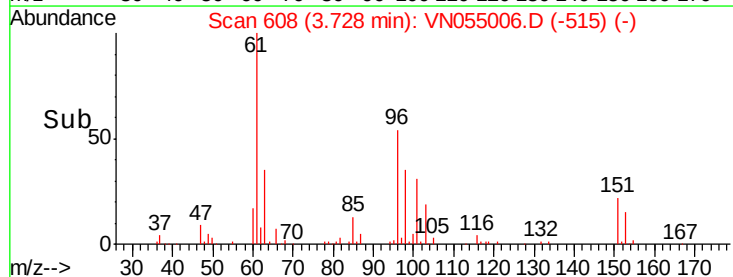
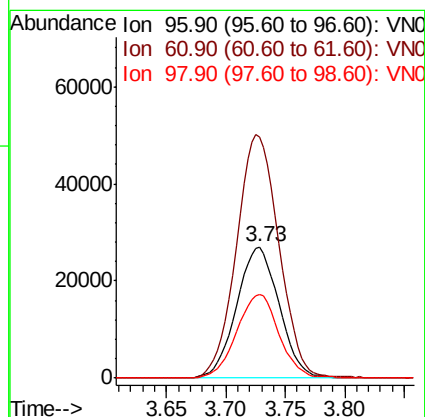
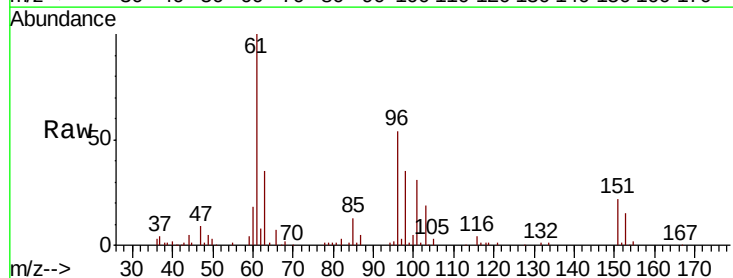
Instrument :
MSVOA_N
ClientSampled :
VN0413WBS01

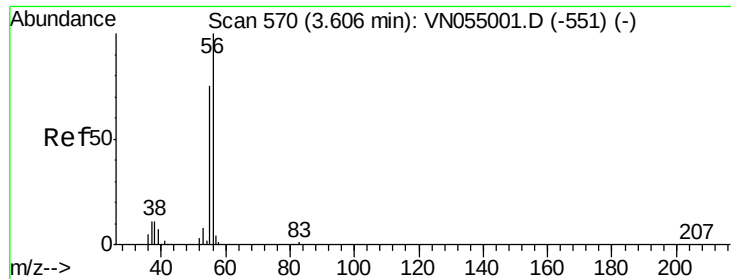
Tot Ion: 59 Resp: 37924
Ion Ratio Lower Upper
59 100
57 4.8 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 19.830 ug/l
RT: 3.73 min Scan# 608
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Tgt Ion: 96 Resp: 66854
Ion Ratio Lower Upper
96 100
61 183.6 154.2 231.4
98 63.5 52.9 79.3





#13

Acrolein

Concen: 95.719 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

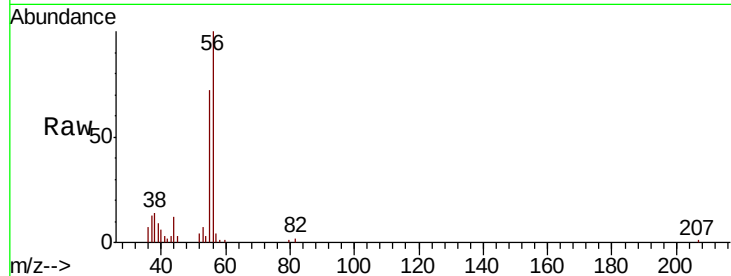
VN0413WBS01

Tot Ion: 56 Resp: 38904

Ion Ratio Lower Upper

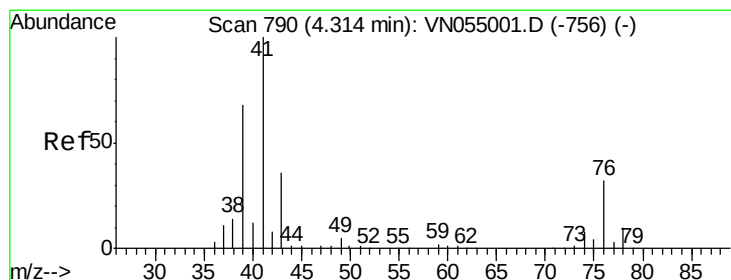
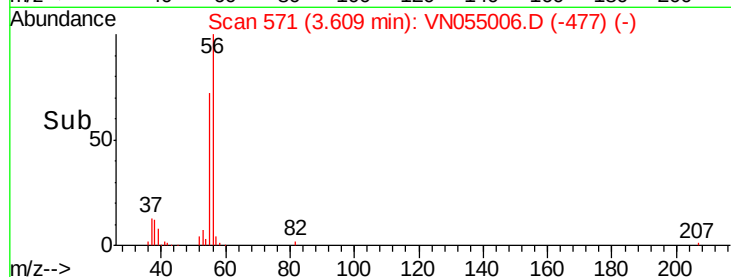
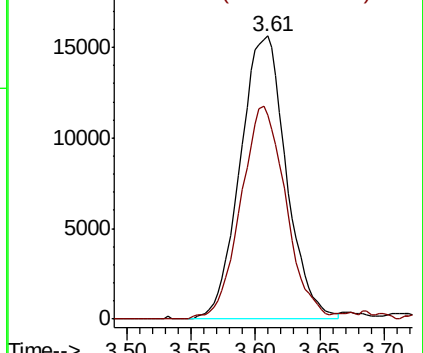
56 100

55 73.7 59.5 89.3



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.501 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

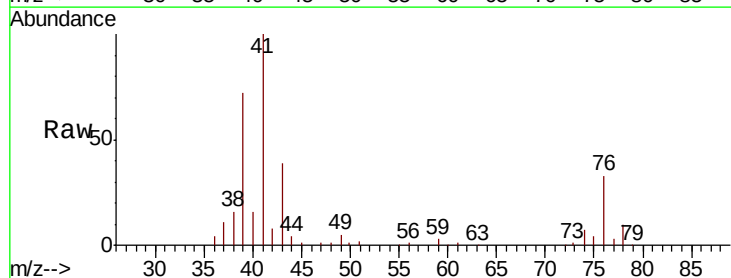
Tgt Ion: 41 Resp: 168872

Ion Ratio Lower Upper

41 100

39 66.5 52.7 79.1

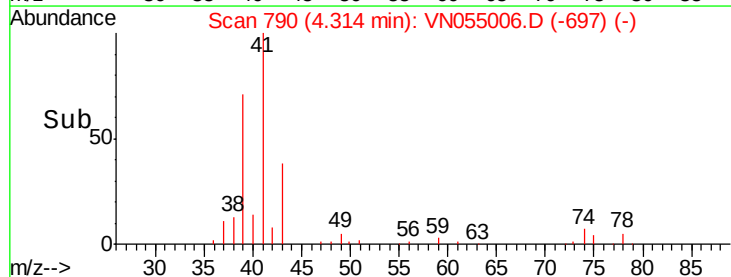
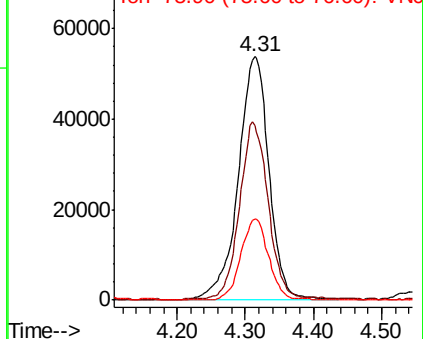
76 30.0 23.2 34.8

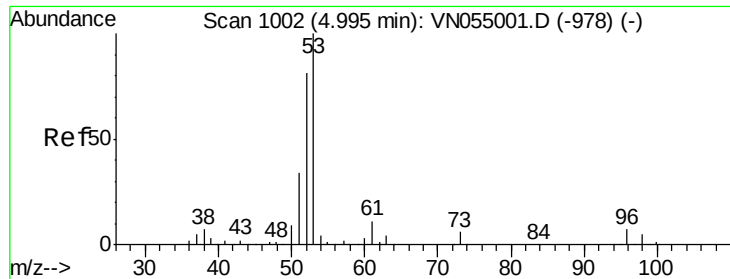


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 102.851 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBS01

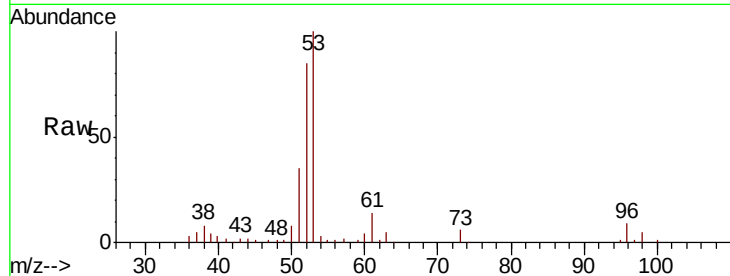
Tot Ion: 53 Resp: 191016

Ion Ratio Lower Upper

53 100

52 83.6 65.9 98.9

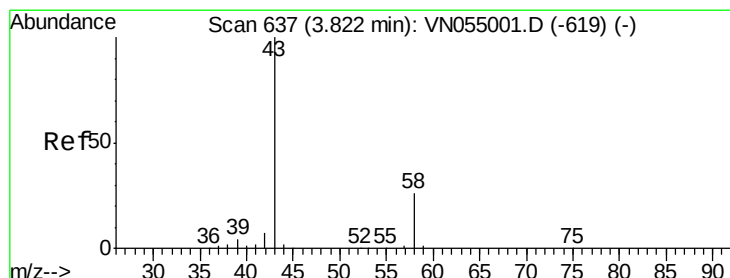
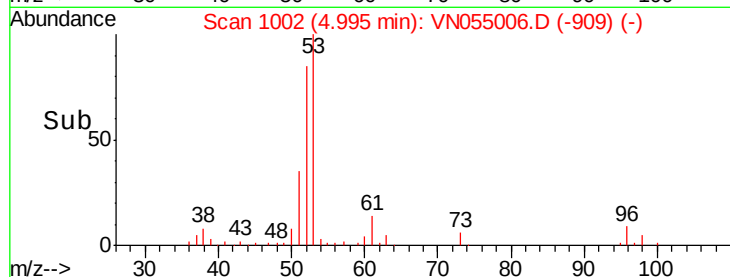
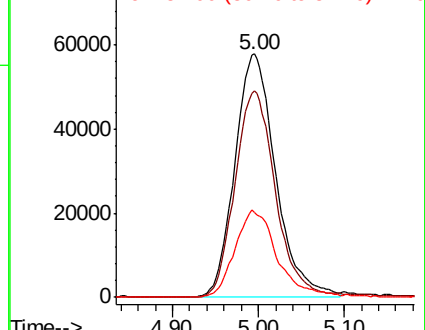
51 37.0 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 101.391 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055006.D

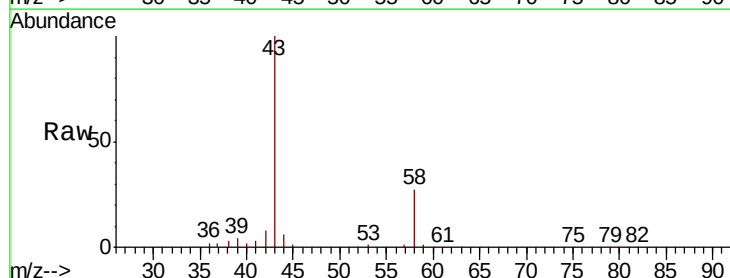
Acq: 12 Apr 2019 18:26

Tgt Ion: 43 Resp: 152415

Ion Ratio Lower Upper

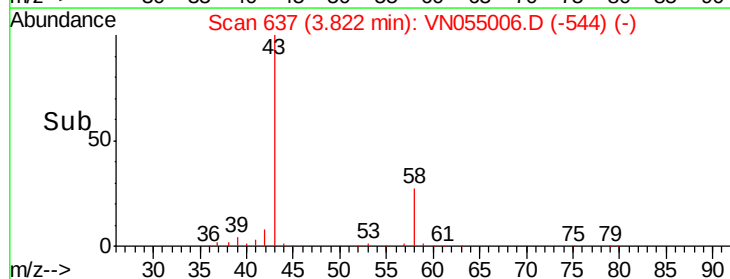
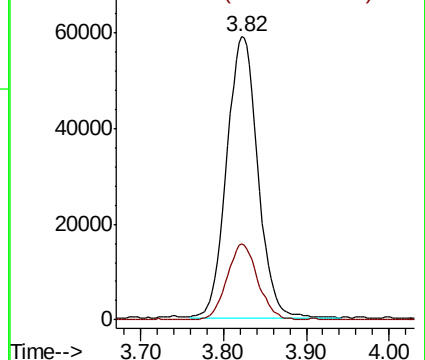
43 100

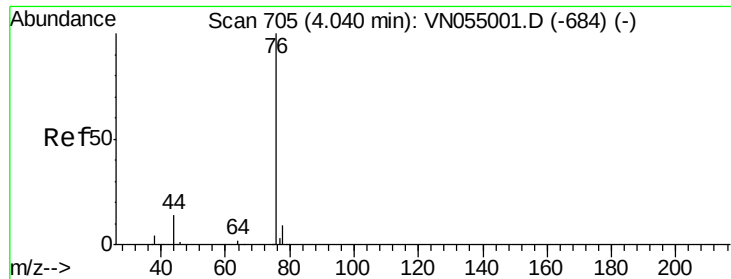
58 27.2 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

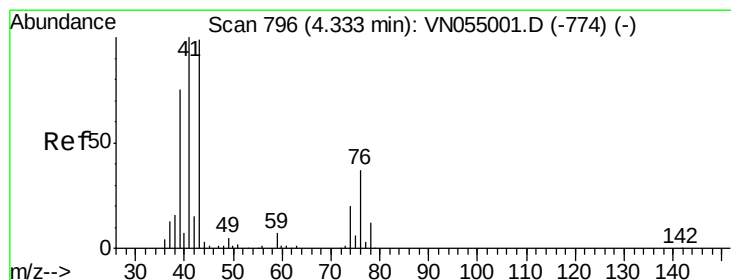
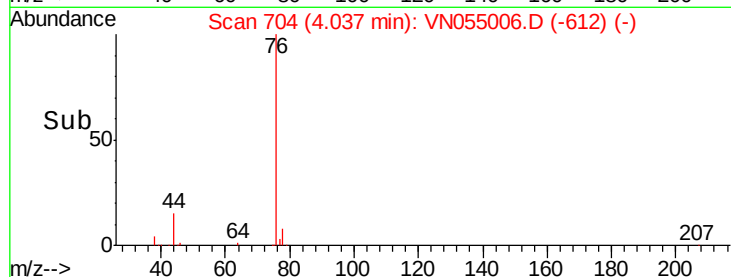
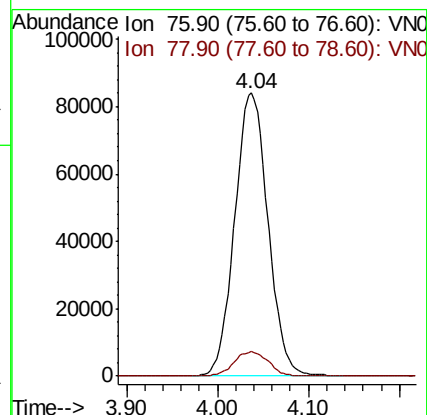
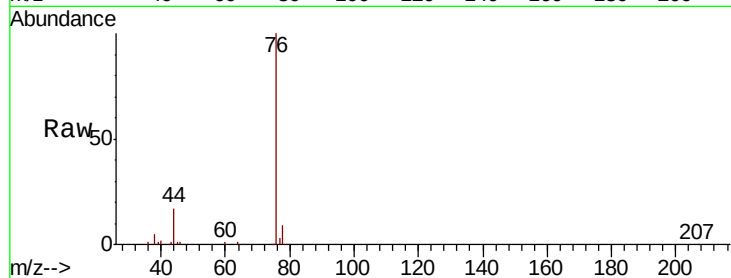




#17
Carbon Disulfide
Concen: 19.473 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

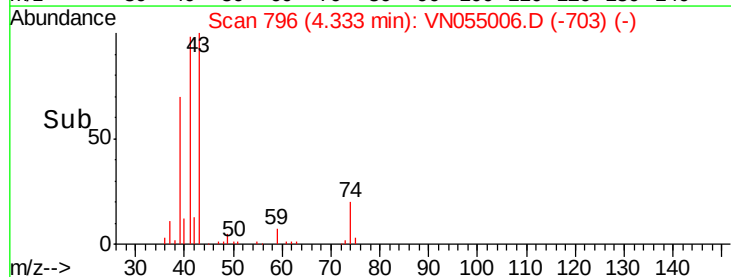
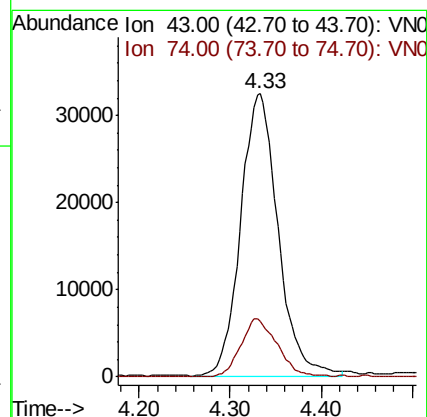
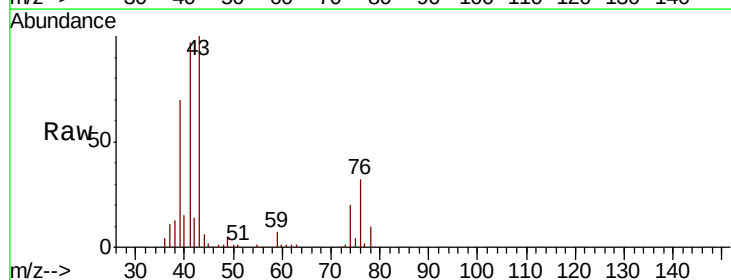
Instrument :
MSVOA_N
ClientSampleId :
VN0413WBS01

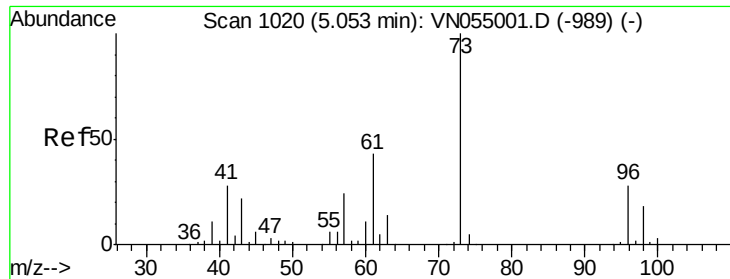
Tot Ion: 76 Resp: 213825
Ion Ratio Lower Upper
76 100
78 8.7 7.2 10.8



#18
Methyl Acetate
Concen: 20.043 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Tgt Ion: 43 Resp: 93395
Ion Ratio Lower Upper
43 100
74 19.7 16.1 24.1

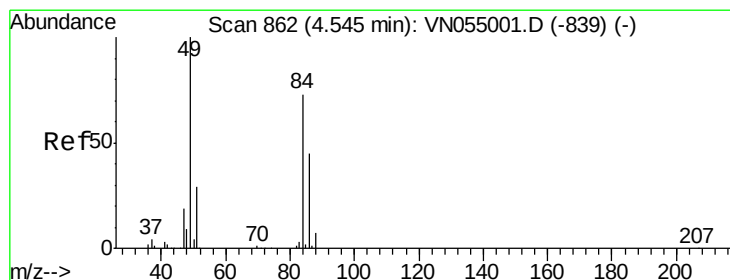
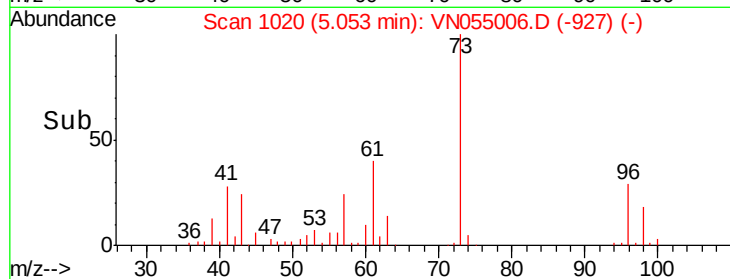
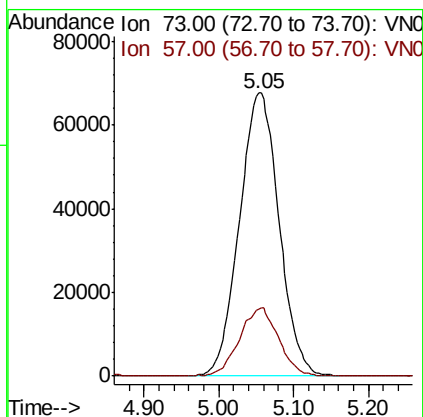
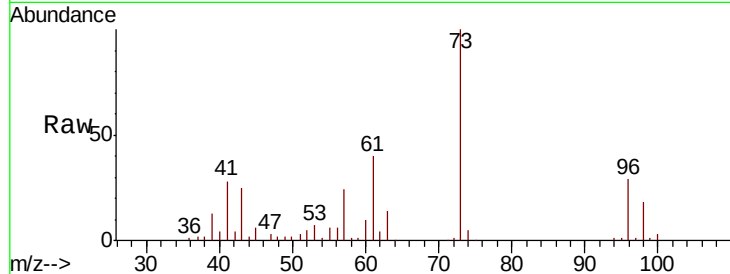




#19
Methyl tert-butyl Ether
Concen: 20.680 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

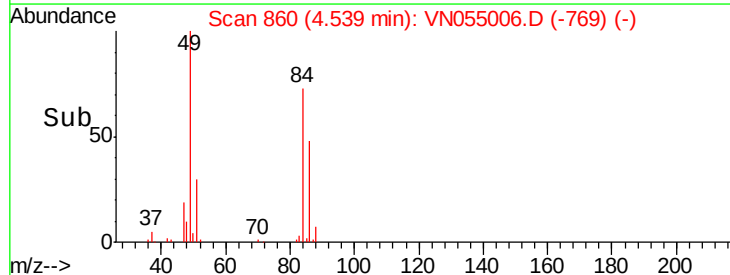
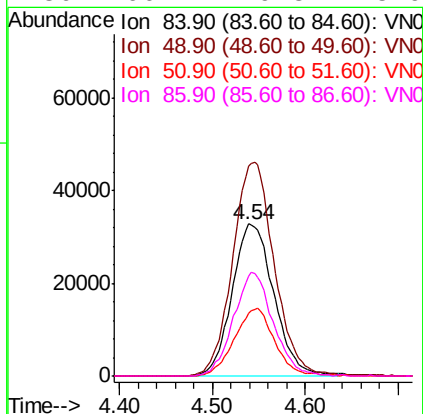
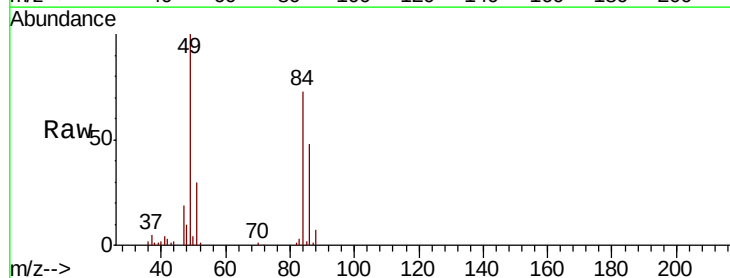
Instrument :
MSVOA_N
ClientSampleId :
VN0413WBS01

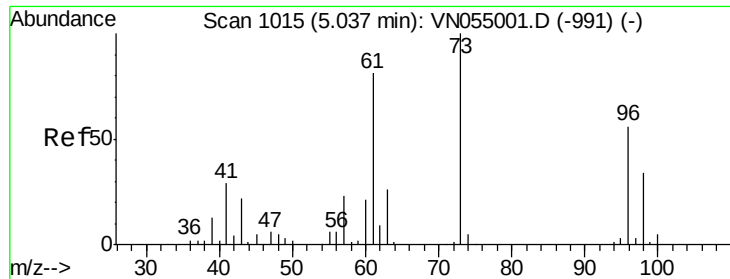
Tot Ion: 73 Resp: 249094
Ion Ratio Lower Upper
73 100
57 23.9 19.0 28.4



#20
Methylene Chloride
Concen: 20.068 ug/l
RT: 4.54 min Scan# 860
Delta R.T. -0.01 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Tgt Ion: 84 Resp: 102336
Ion Ratio Lower Upper
84 100
49 137.8 109.4 164.2
51 41.1 32.2 48.4
86 66.1 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 20.474 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

ClientSampled :

VN0413WBS01

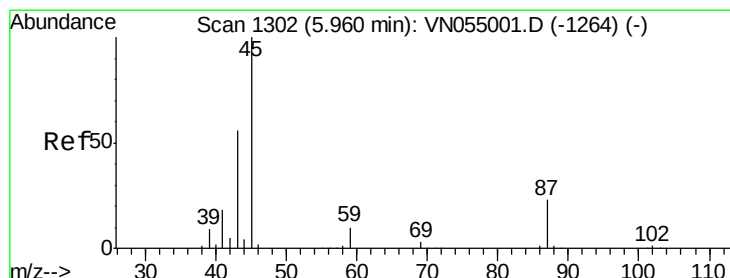
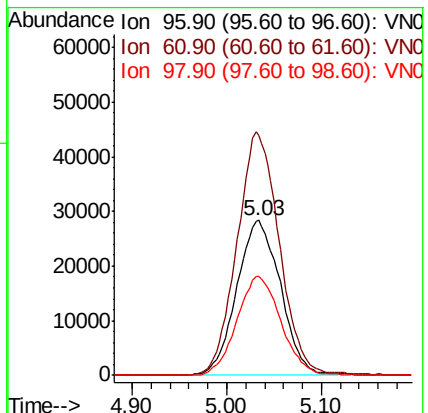
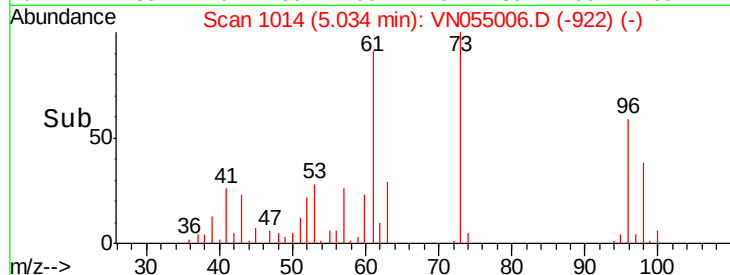
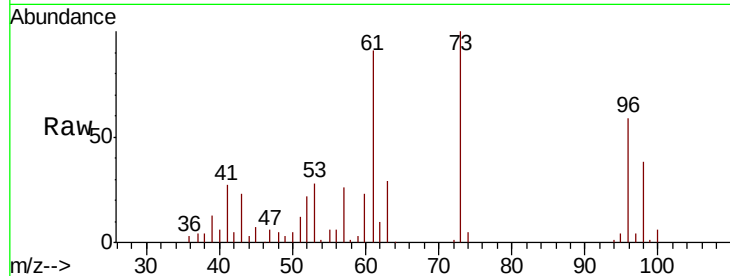
Tot Ion: 96 Resp: 90931

Ion Ratio Lower Upper

96 100

61 155.0 114.9 172.3

98 63.9 48.4 72.6



#22

Diisopropyl ether

Concen: 20.605 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Tgt Ion: 45 Resp: 344126

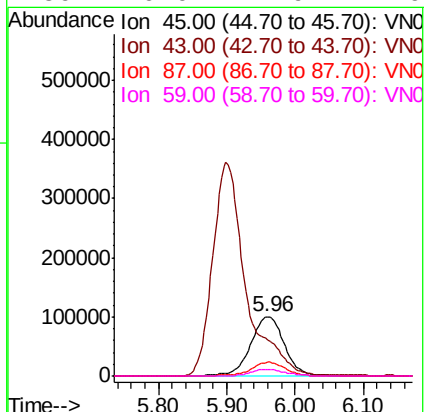
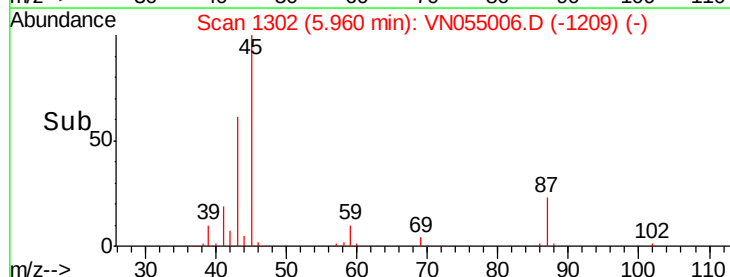
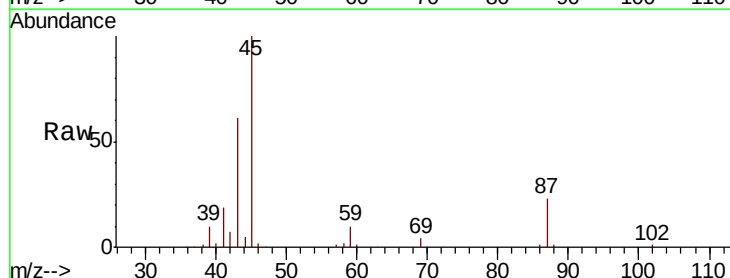
Ion Ratio Lower Upper

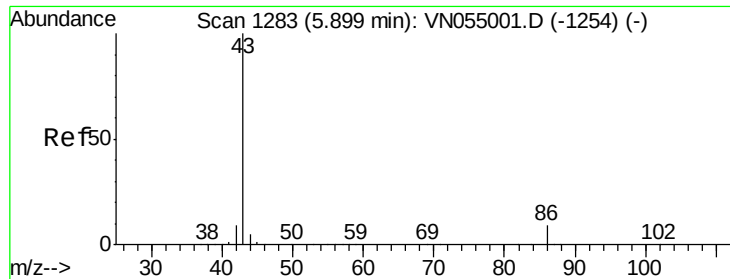
45 100

43 59.1 44.8 67.2

87 22.7 18.9 28.3

59 10.0 7.9 11.9





#23

Vinyl Acetate

Concen: 104.793 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

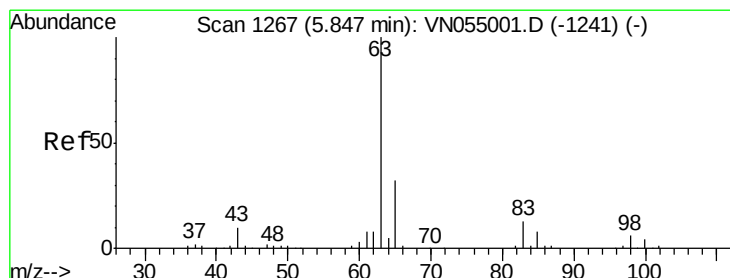
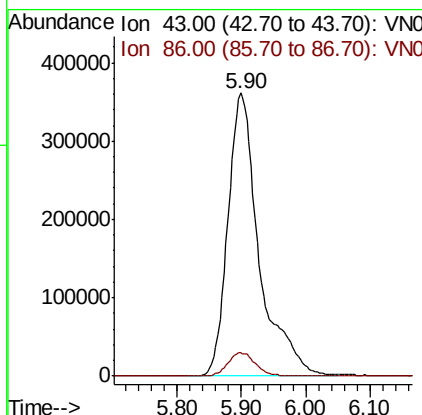
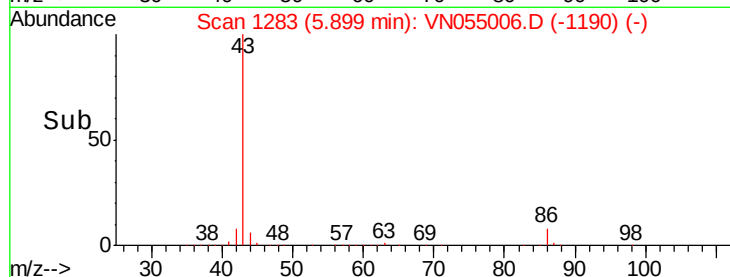
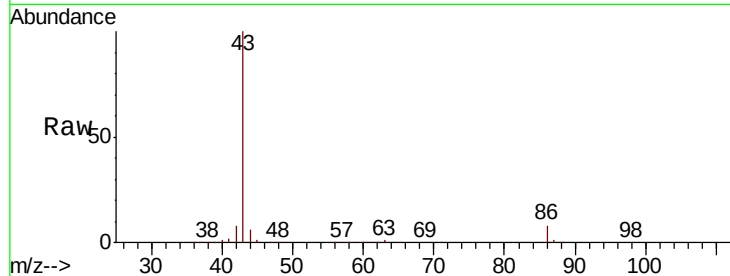
VN0413WBS01

Tot Ion: 43 Resp: 1224122

Ion Ratio Lower Upper

43 100

86 8.1 7.0 10.4



#24

1,1-Dichloroethane

Concen: 20.121 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

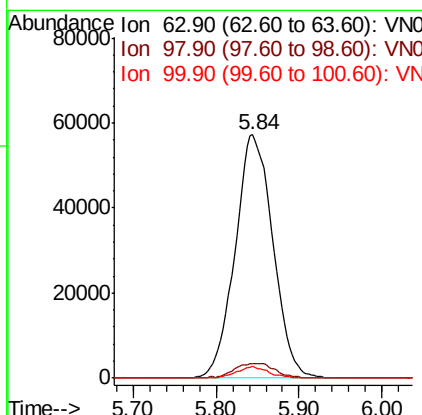
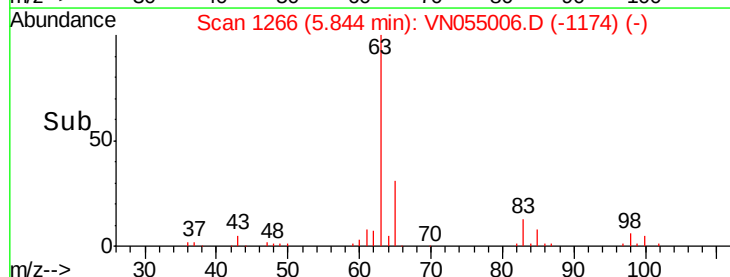
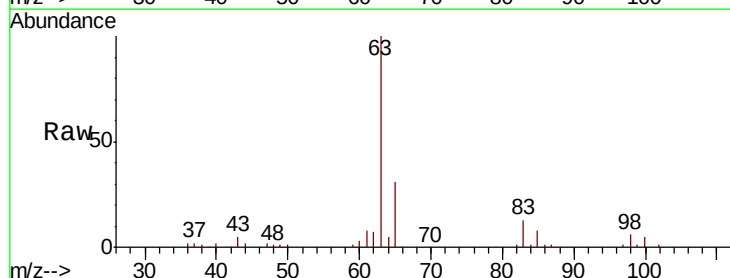
Tgt Ion: 63 Resp: 181499

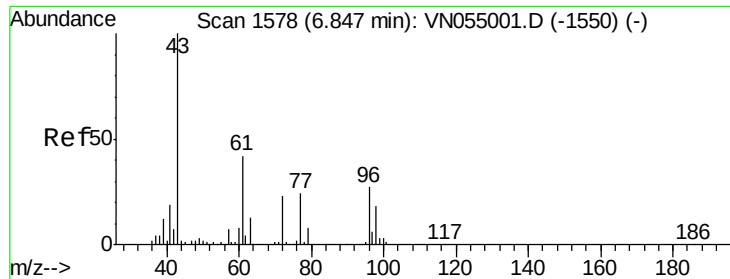
Ion Ratio Lower Upper

63 100

98 5.9 2.8 8.4

100 4.7 2.0 5.8





#25

2-Butanone

Concen: 106.005 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

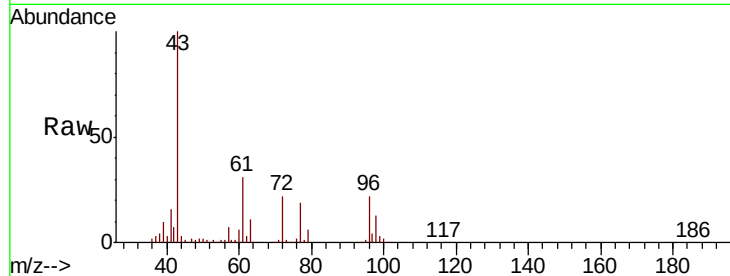
VN0413WBS01

Tot Ion: 43 Resp: 245425

Ion Ratio Lower Upper

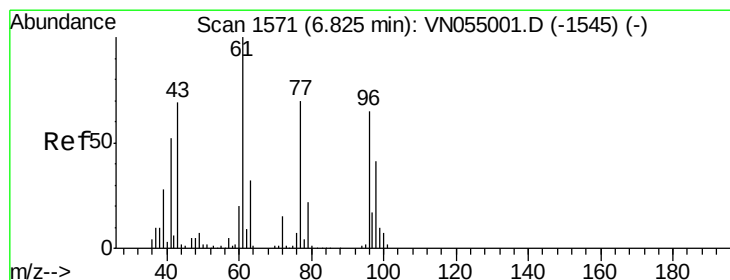
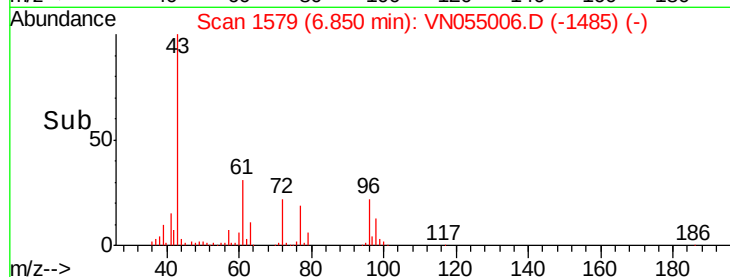
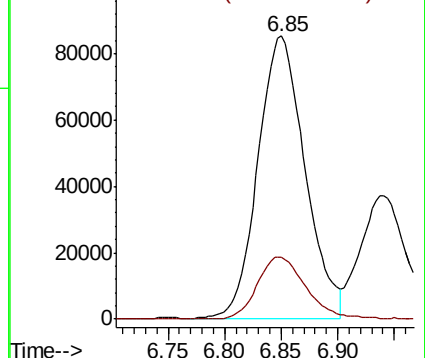
43 100

72 21.8 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: 20.350 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN055006.D

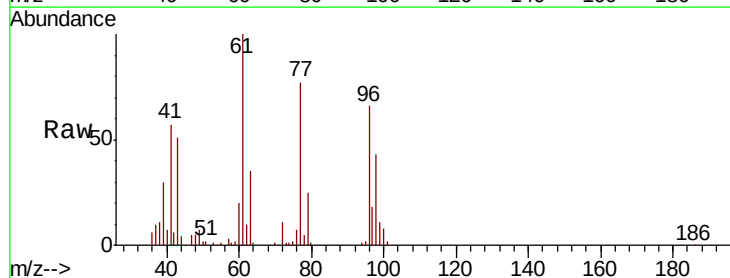
Acq: 12 Apr 2019 18:26

Tgt Ion: 77 Resp: 121442

Ion Ratio Lower Upper

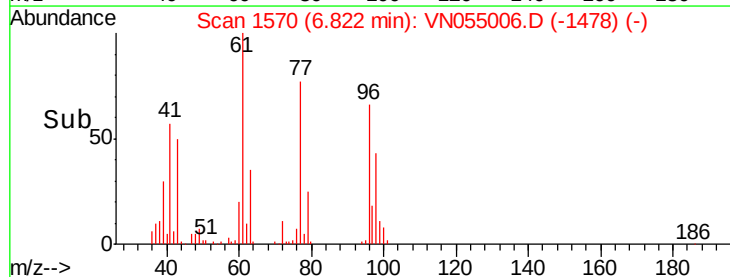
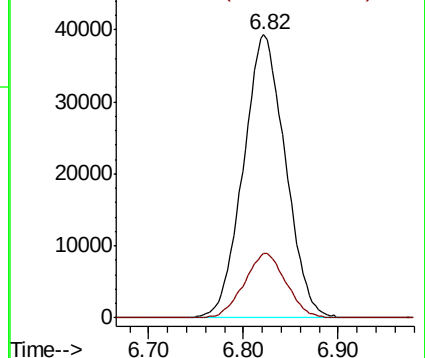
77 100

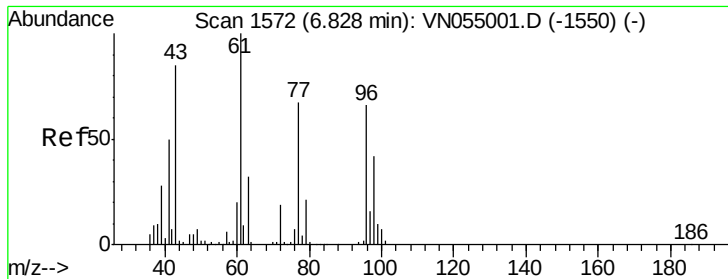
97 22.6 11.3 33.9



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: 20.075 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBS01

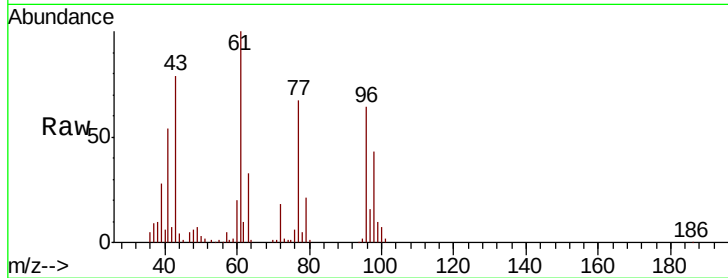
Tot Ion: 96 Resp: 103573

Ion Ratio Lower Upper

96 100

61 156.4 0.0 311.0

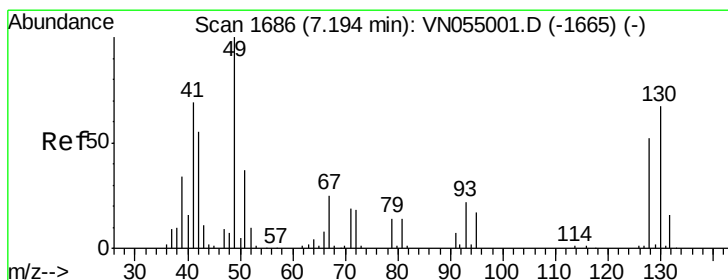
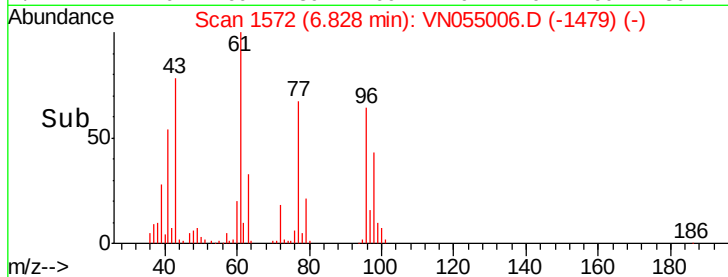
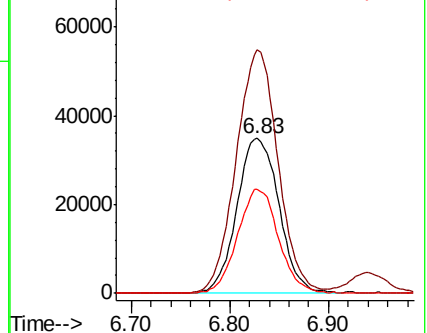
98 65.6 0.0 127.4



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: 20.871 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

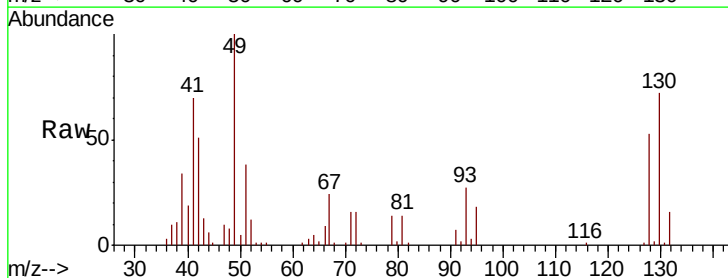
Tgt Ion: 49 Resp: 89323

Ion Ratio Lower Upper

49 100

129 1.4 0.0 2.0

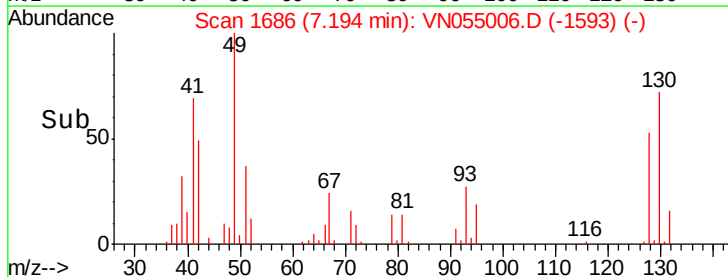
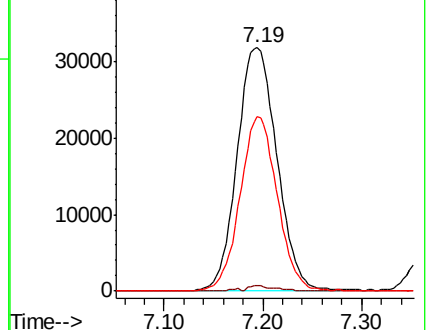
130 66.8 53.4 80.2

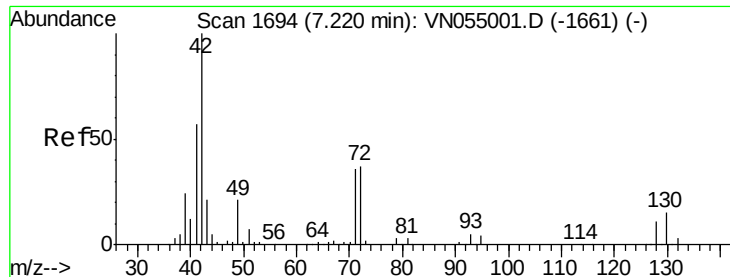


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

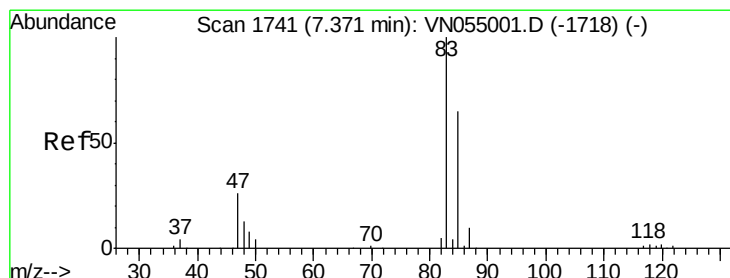
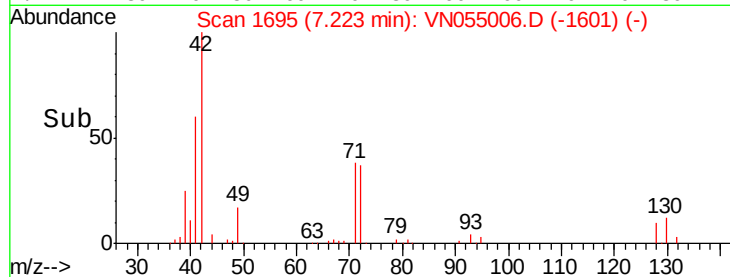
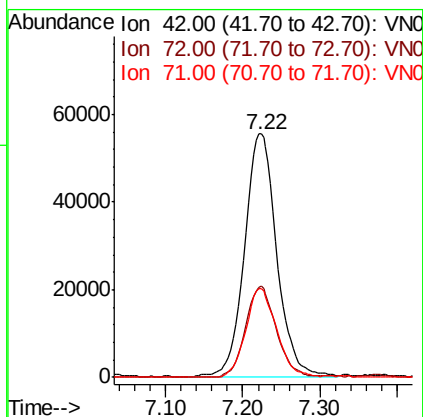
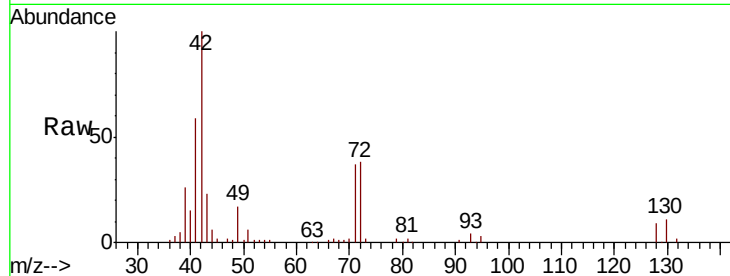




#29
Tetrahydrofuran
Concen: 107.182 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

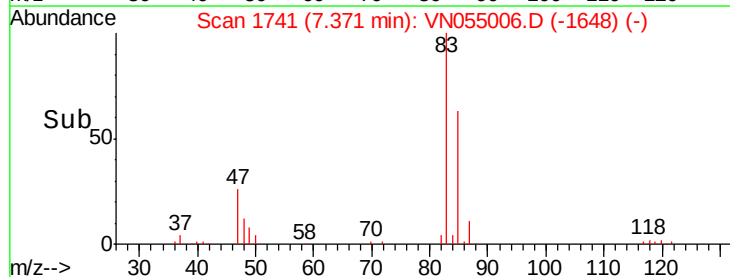
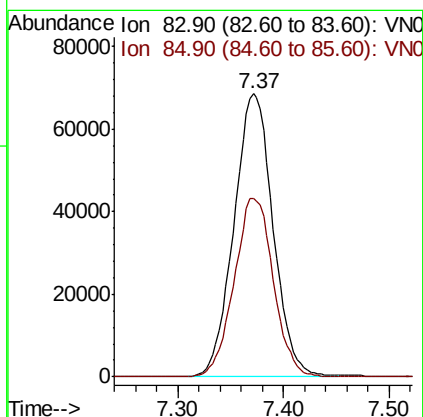
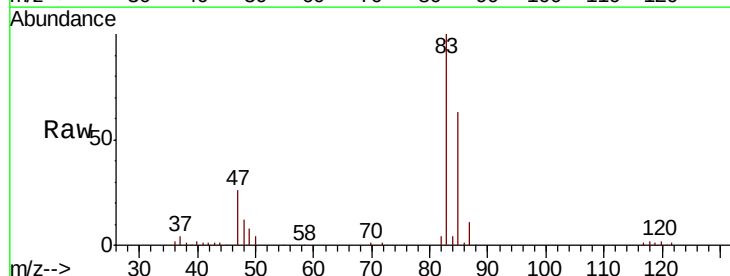
Instrument :
MSVOA_N
ClientSampled :
VN0413WBS01

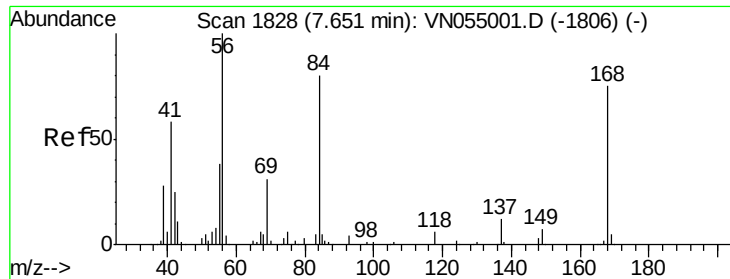
Tot Ion: 42 Resp: 162672
Ion Ratio Lower Upper
42 100
72 35.4 29.4 44.0
71 34.8 27.8 41.6



#30
Chloroform
Concen: 20.522 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Tgt Ion: 83 Resp: 176519
Ion Ratio Lower Upper
83 100
85 63.1 51.8 77.6

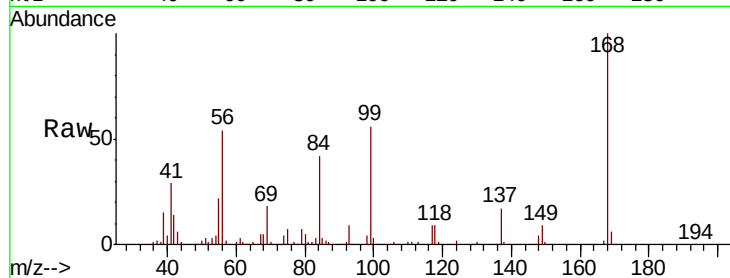




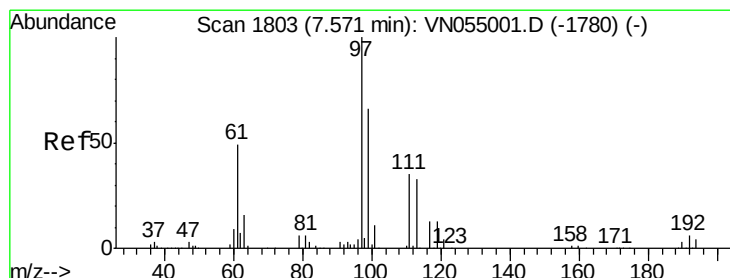
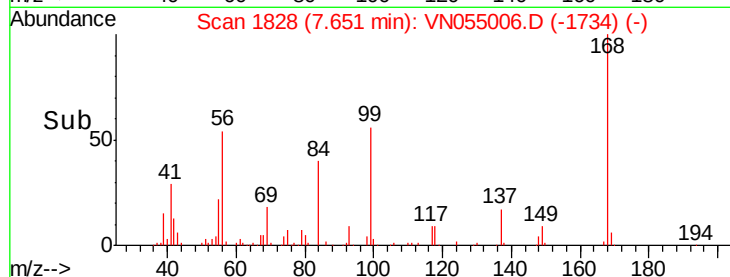
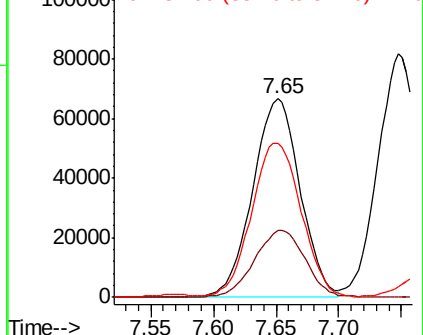
#31
Cyclohexane
Concen: 20.210 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Instrument :
MSVOA_N
ClientSampled :
VN0413WBS01

Tot Ion: 56 Resp: 175413
Ion Ratio Lower Upper
56 100
69 33.6 24.5 36.7
84 76.5 62.9 94.3

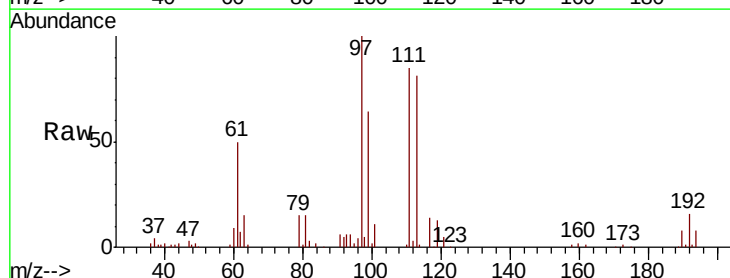


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

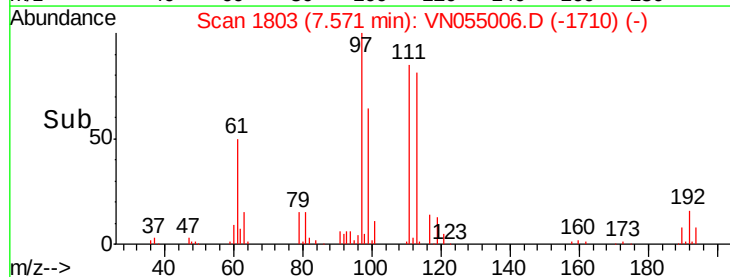
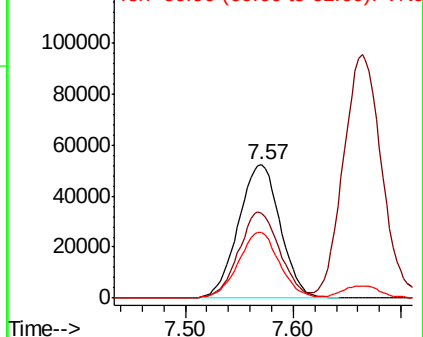


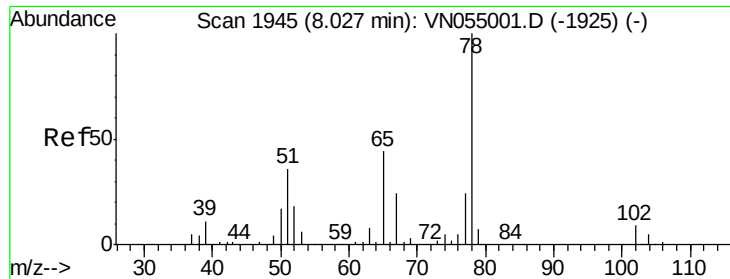
#32
1,1,1-Trichloroethane
Concen: 20.570 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Tgt Ion: 97 Resp: 140952
Ion Ratio Lower Upper
97 100
99 63.4 51.6 77.4
61 48.5 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

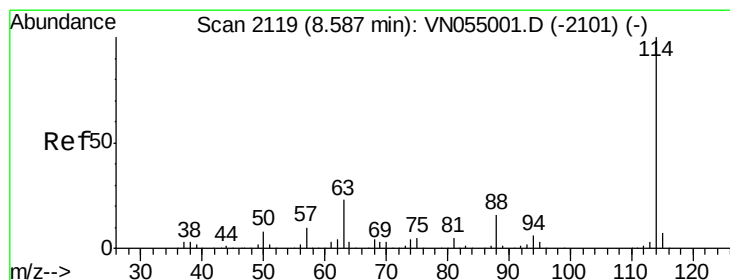
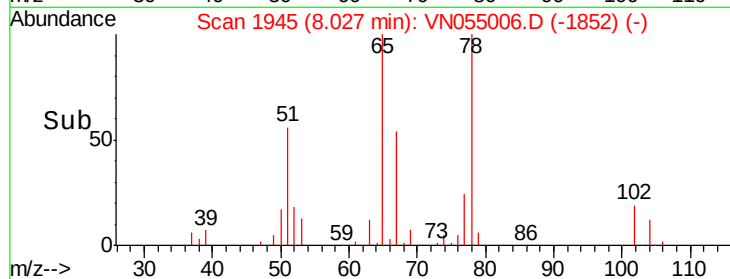
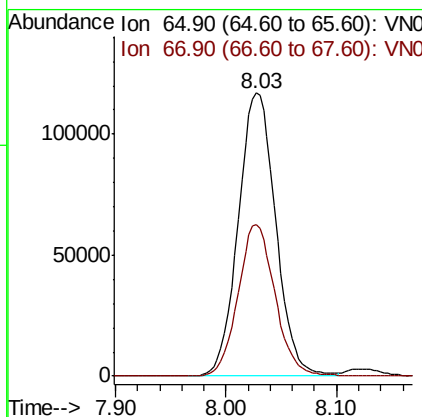
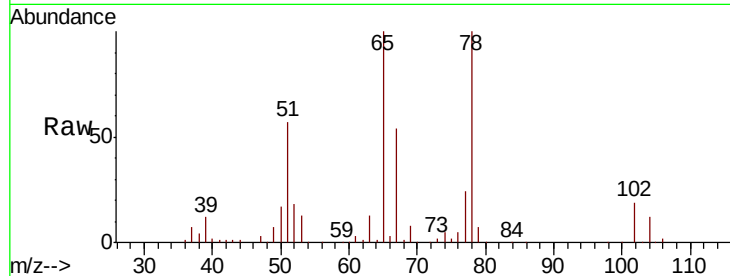




#33
 1,2-Dichloroethane-d4
 Concen: 50.381 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055006.D
 Acq: 12 Apr 2019 18:26

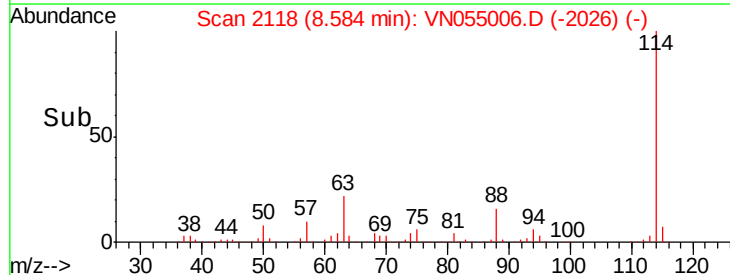
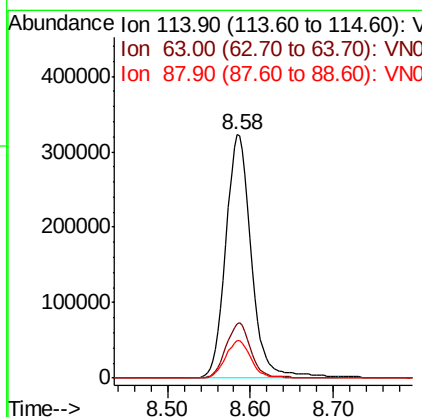
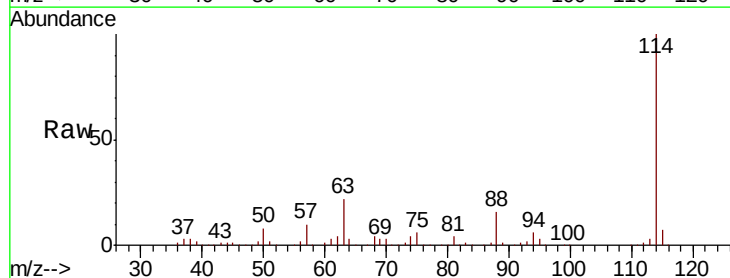
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBS01

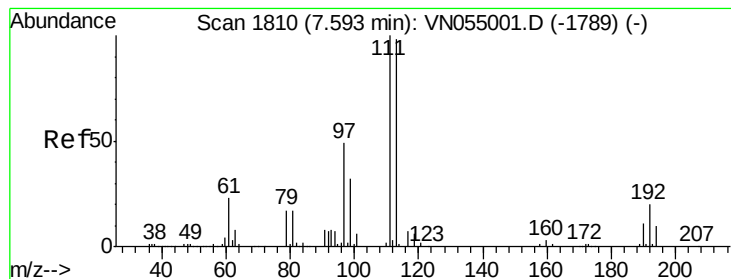
Tot Ion: 65 Resp: 275686
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055006.D
 Acq: 12 Apr 2019 18:26

Tgt Ion: 114 Resp: 693646
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 45.2
 88 15.5 0.0 31.8





#35

Dibromofluoromethane

Concen: 49.936 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBS01

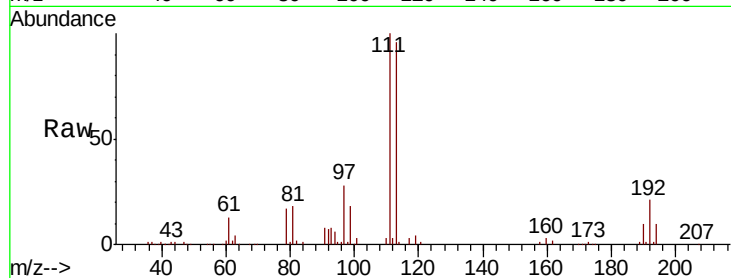
Tot Ion:113 Resp: 220805

Ion Ratio Lower Upper

113 100

111 103.3 82.1 123.1

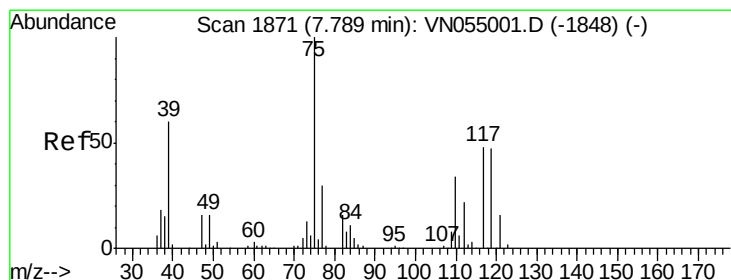
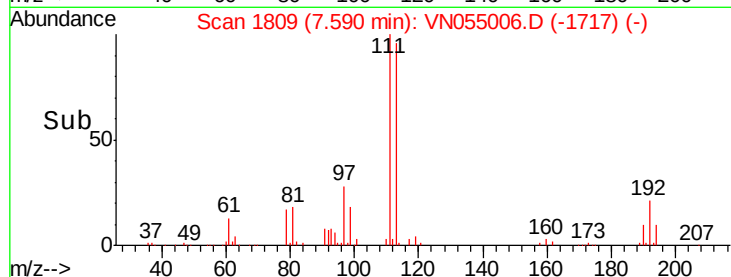
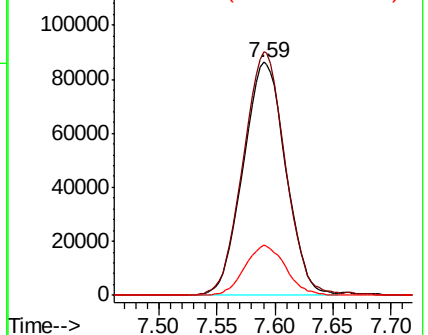
192 20.6 16.5 24.7



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: 20.262 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

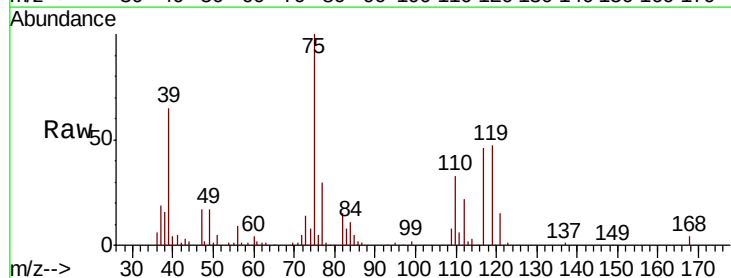
Tgt Ion: 75 Resp: 129893

Ion Ratio Lower Upper

75 100

110 35.1 17.5 52.5

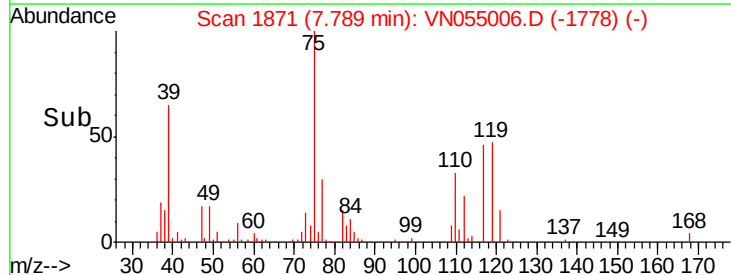
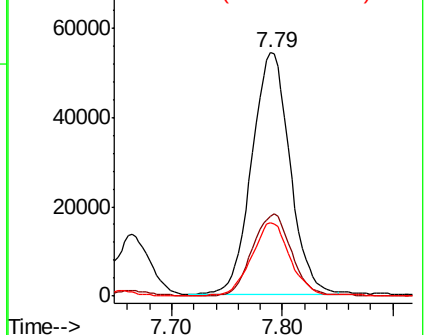
77 30.9 24.9 37.3

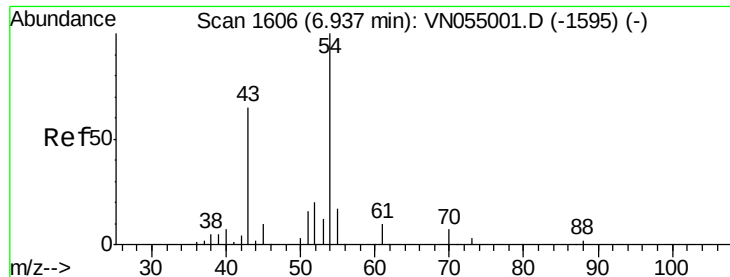


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

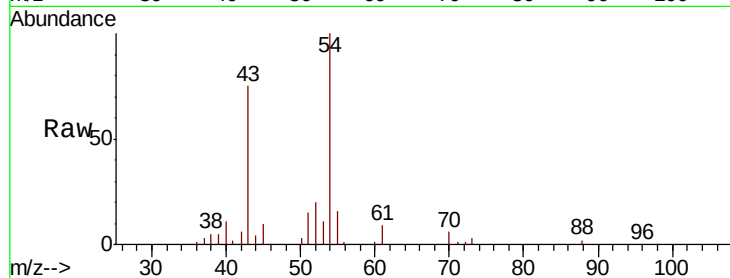




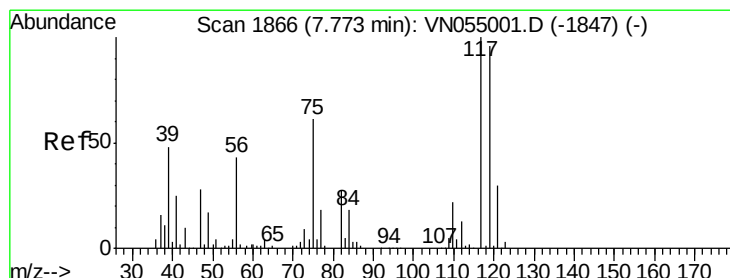
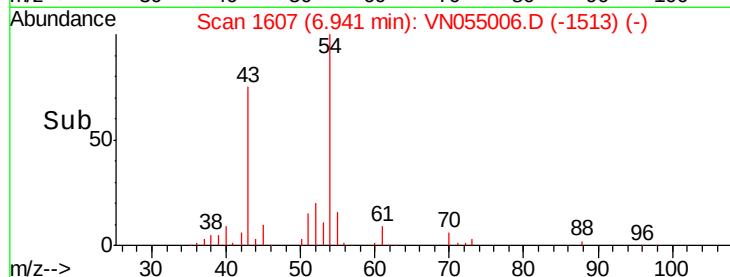
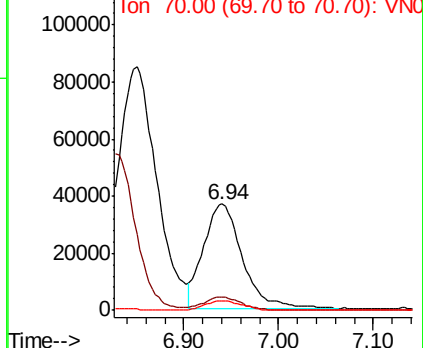
#37
Ethyl Acetate
Concen: 21.786 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Instrument :
MSVOA_N
ClientSampled :
VN0413WBS01

Tot Ion: 43 Resp: 104849
Ion Ratio Lower Upper
43 100
61 12.8 10.0 15.0
70 8.6 7.1 10.7

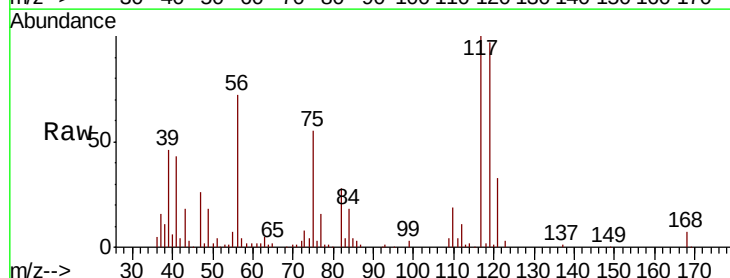


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

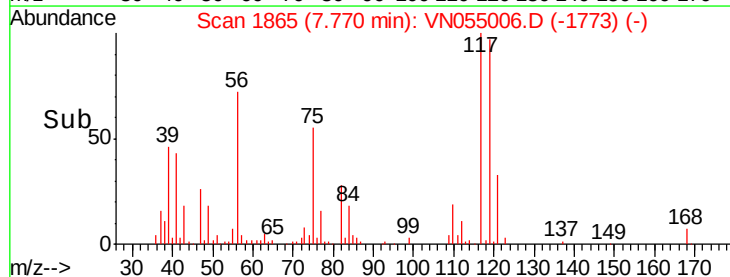
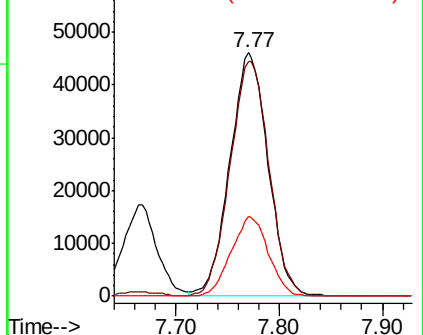


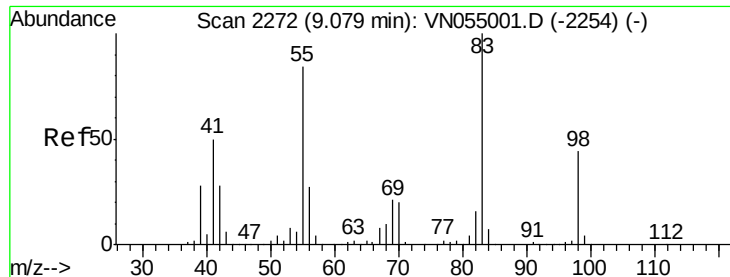
#38
Carbon Tetrachloride
Concen: 19.684 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Tgt Ion: 117 Resp: 118780
Ion Ratio Lower Upper
117 100
119 96.6 76.3 114.5
121 32.5 23.9 35.9



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

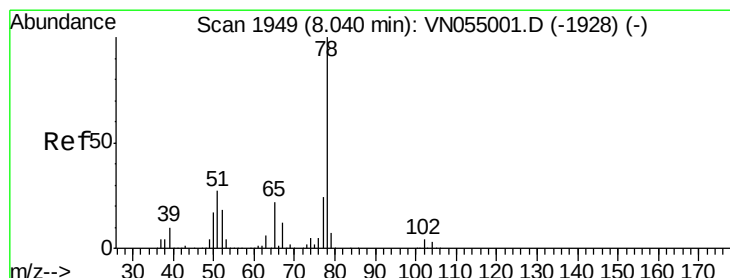
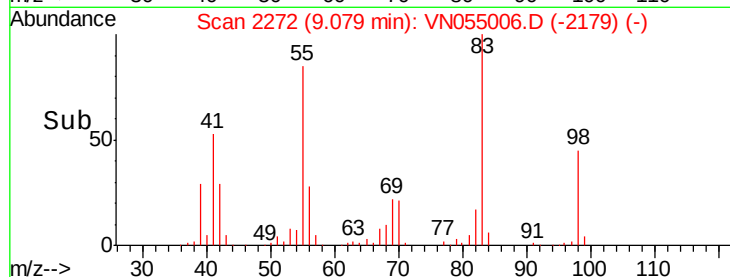
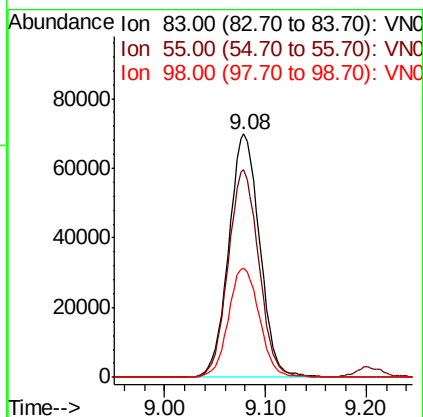
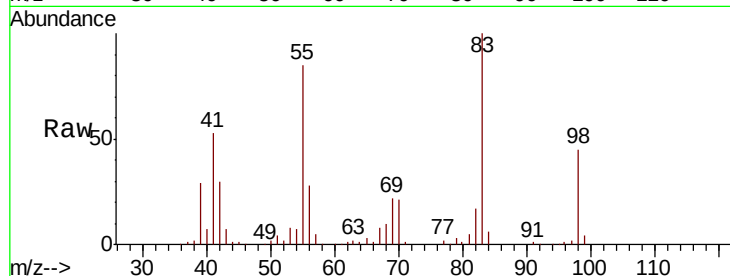




#39
Methylvlcyclohexane
Concen: 20.352 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

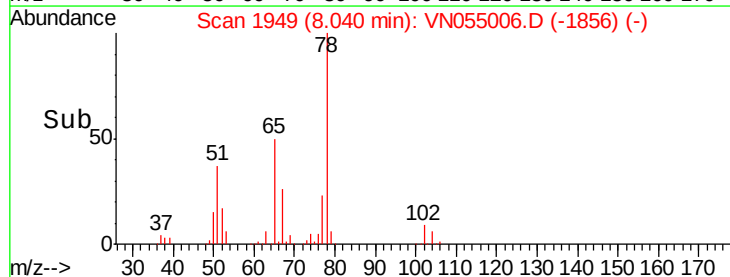
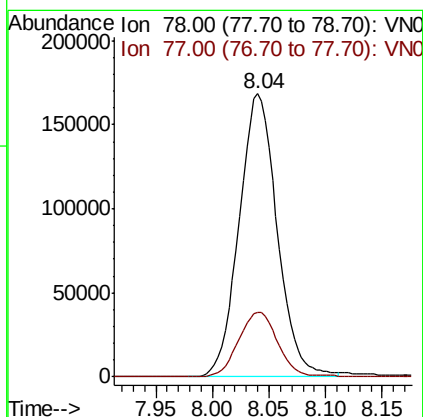
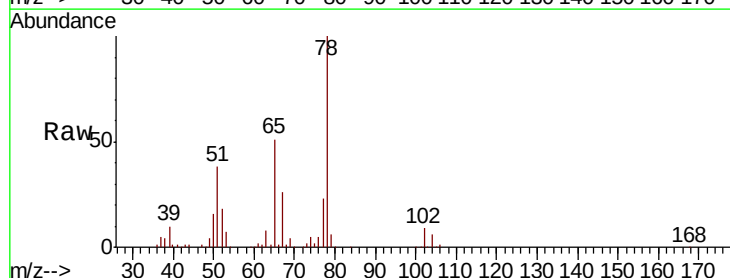
Instrument :
MSVOA_N
ClientSampleId :
VN0413WBS01

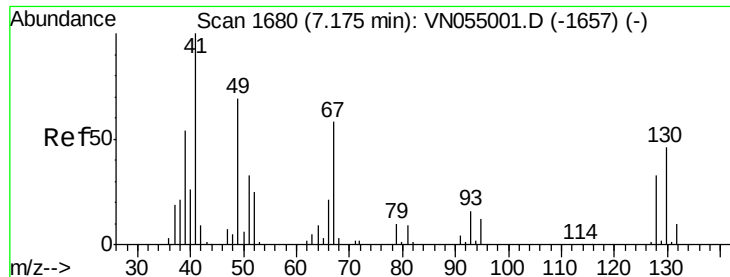
Tot Ion: 83 Resp: 149364
Ion Ratio Lower Upper
83 100
55 85.3 67.0 100.4
98 44.7 35.6 53.4



#40
Benzene
Concen: 20.403 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Tgt Ion: 78 Resp: 395442
Ion Ratio Lower Upper
78 100
77 22.9 18.8 28.2

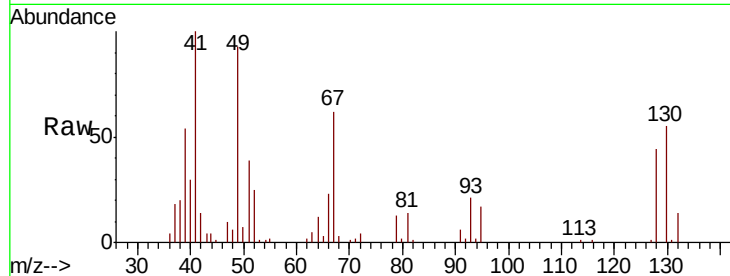




#41
Methacrylonitrile
Concen: 19.011 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Instrument :
MSVOA_N
ClientSampled :
VN0413WBS01

Tot Ion:	41	Resp:	56296
Ion	Ratio	Lower	Upper
41	100		
39	58.1	45.6	68.4
67	72.4	57.0	85.6
52	31.6	23.6	35.4



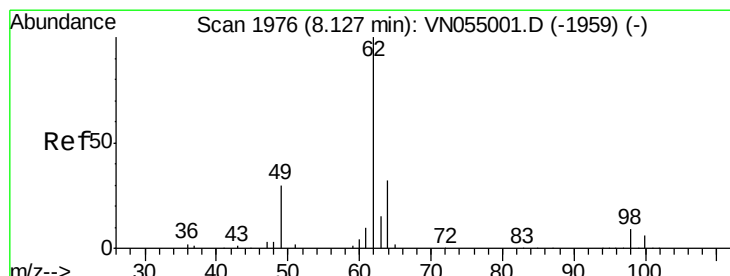
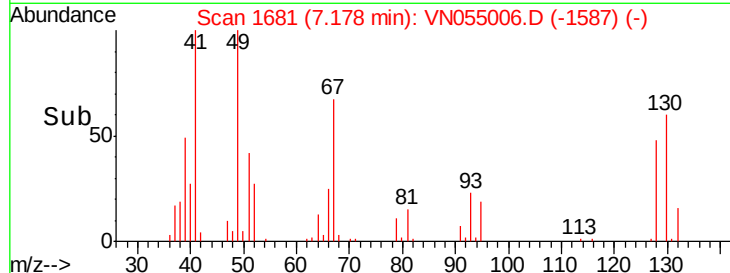
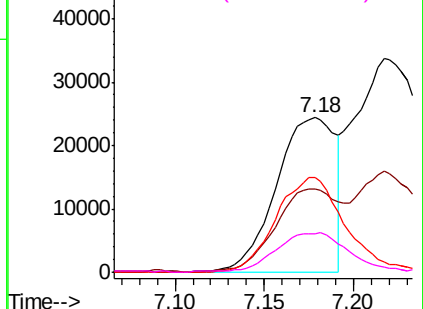
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

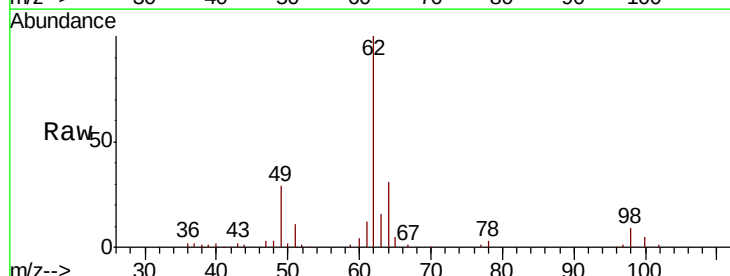
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42
1,2-Dichloroethane
Concen: 20.212 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

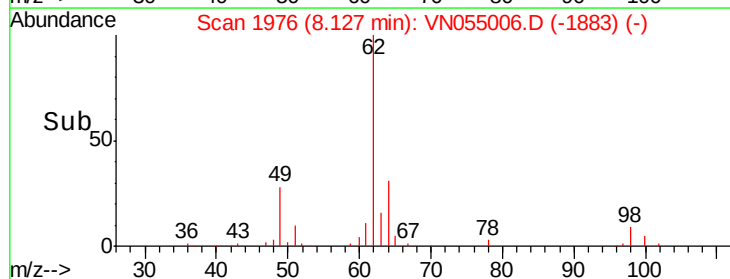
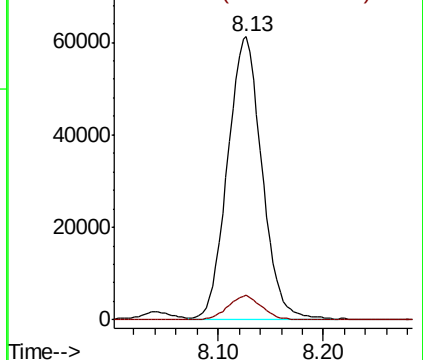
Tgt Ion:	62	Resp:	137809
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.4

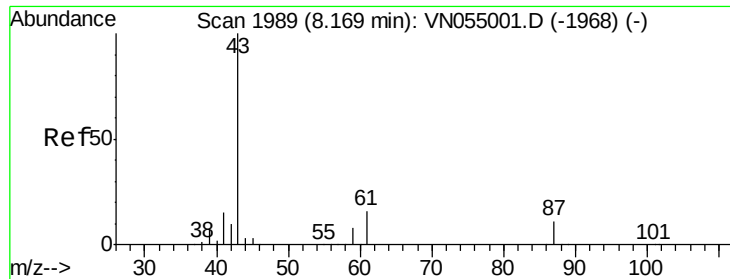


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 20.910 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBS01

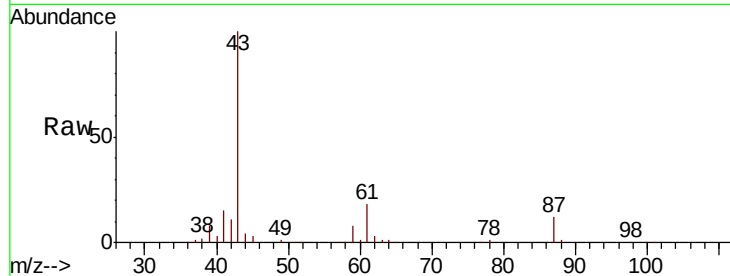
Tot Ion: 43 Resp: 172070

Ion Ratio Lower Upper

43 100

61 17.4 14.3 21.5

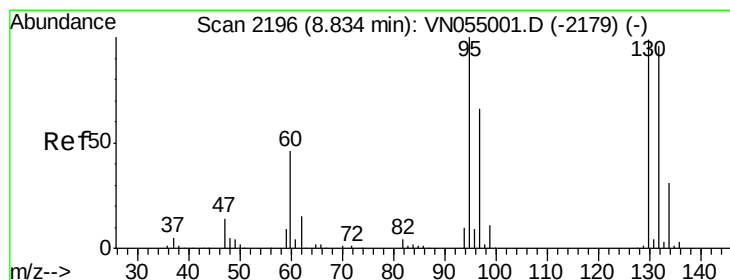
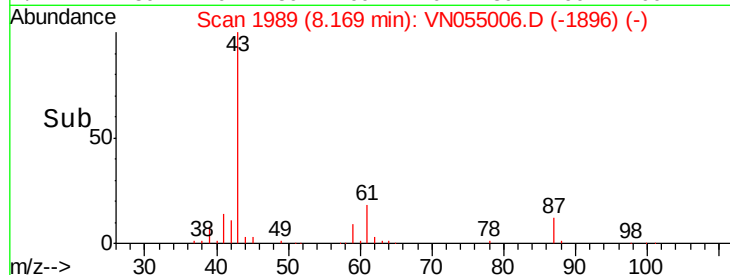
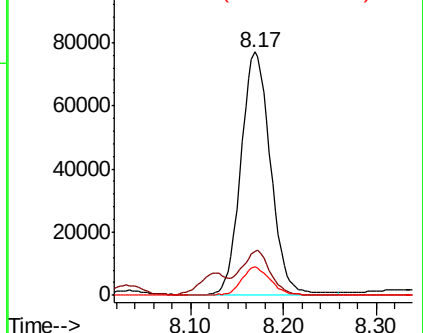
87 11.2 8.6 13.0



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: 19.947 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055006.D

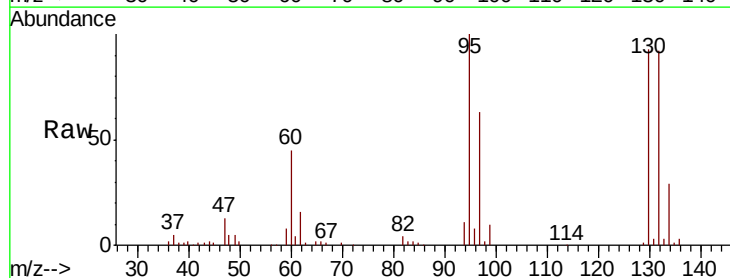
Acq: 12 Apr 2019 18:26

Tgt Ion:130 Resp: 98798

Ion Ratio Lower Upper

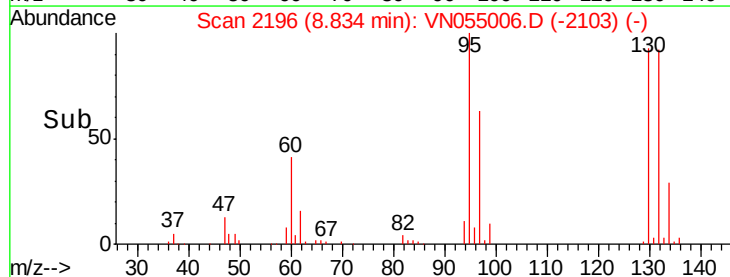
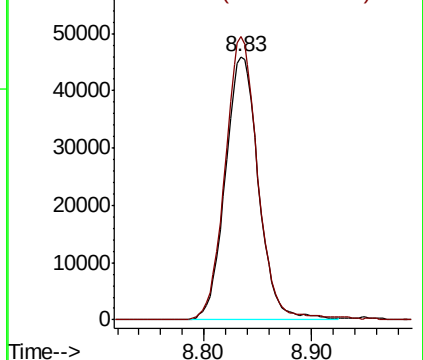
130 100

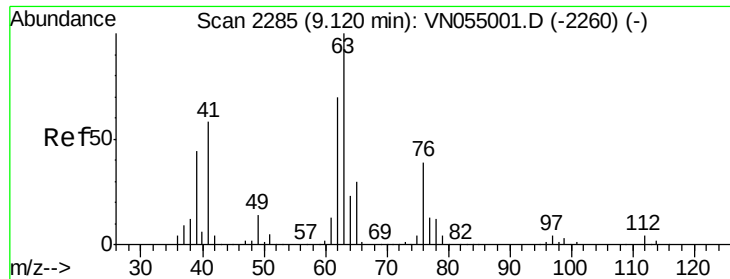
95 107.6 0.0 201.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

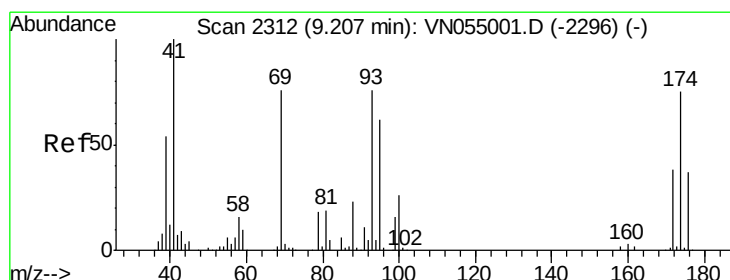
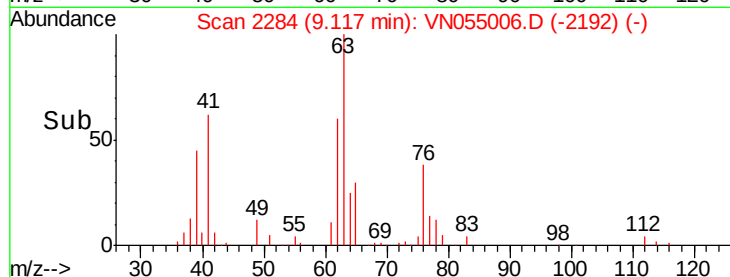
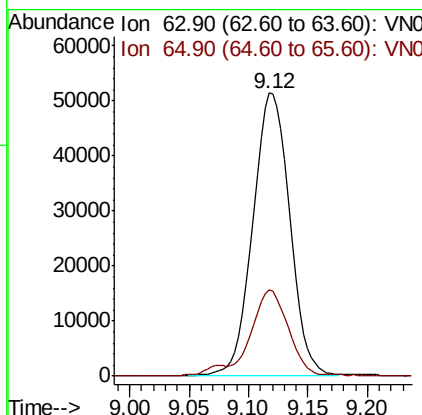
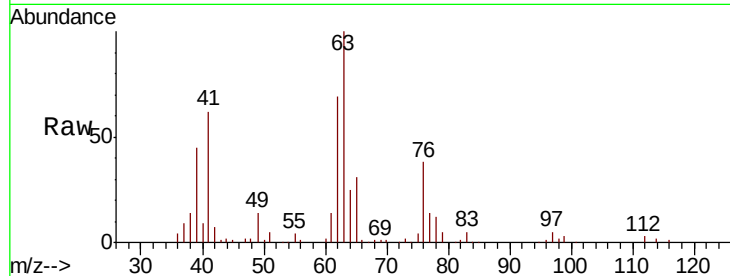




#45
 1,2-Dichloropropane
 Concen: 20.290 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055006.D
 Acq: 12 Apr 2019 18:26

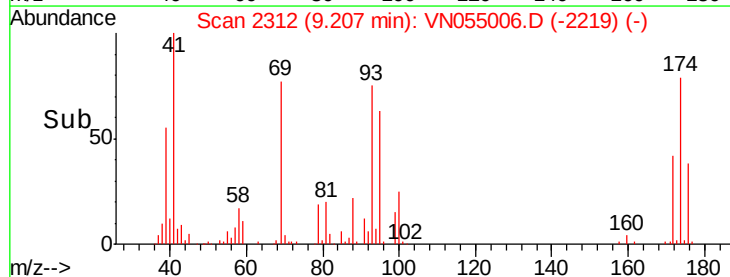
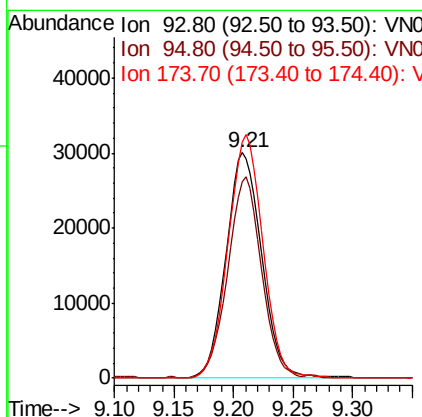
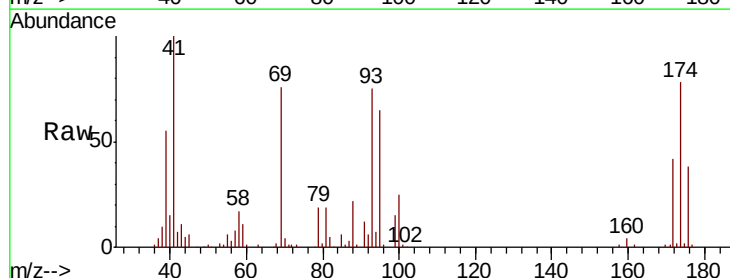
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBS01

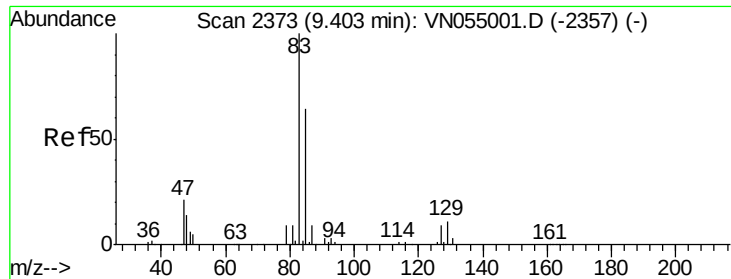
Tot Ion: 63 Resp: 110976
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.4 36.6



#46
 Dibromomethane
 Concen: 19.916 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055006.D
 Acq: 12 Apr 2019 18:26

Tgt Ion: 93 Resp: 62415
 Ion Ratio Lower Upper
 93 100
 95 84.4 65.0 97.6
 174 105.5 81.0 121.6

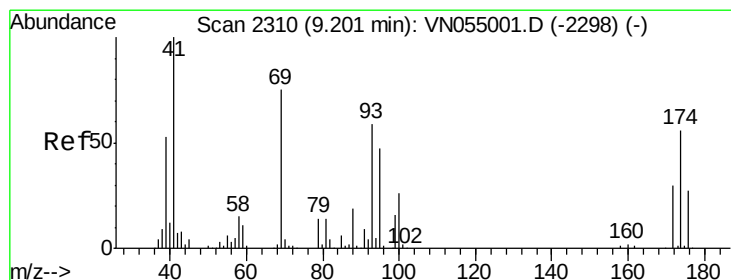
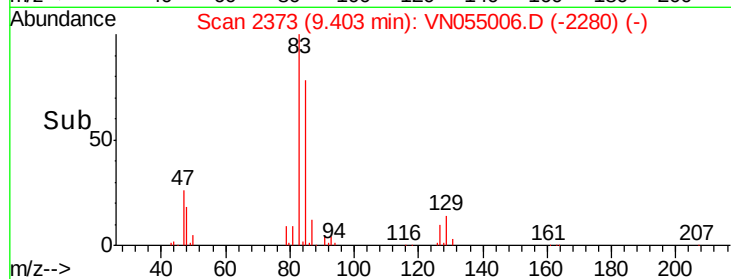
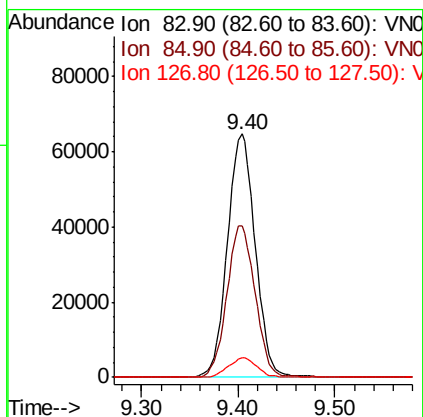
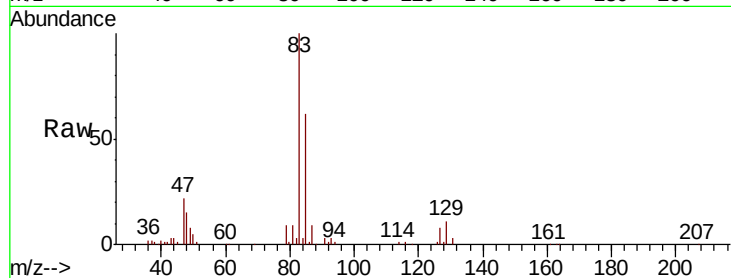




#47
Bromodichloromethane
Concen: 20.281 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

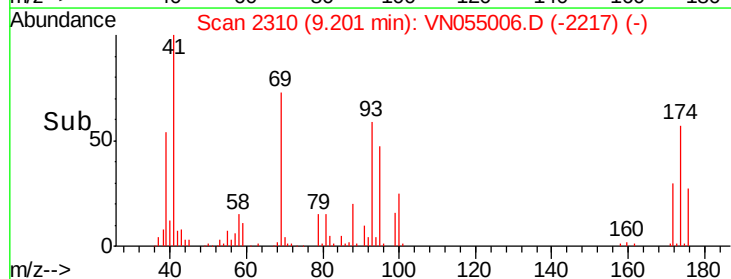
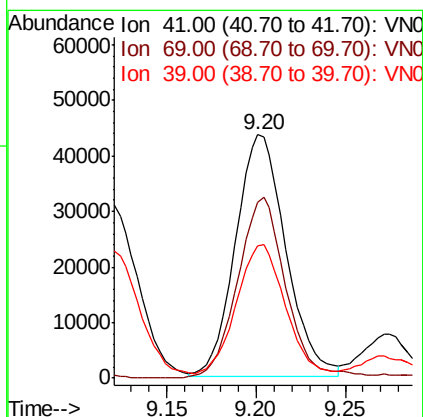
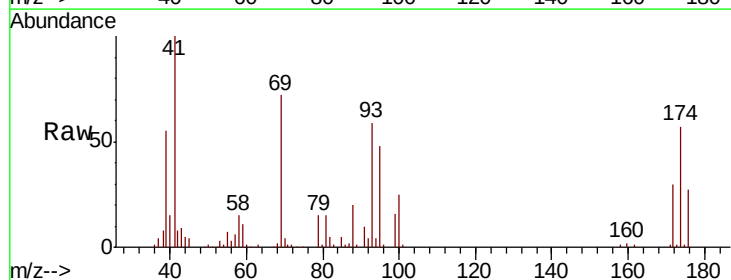
Instrument :
MSVOA_N
ClientSampleId :
VN0413WBS01

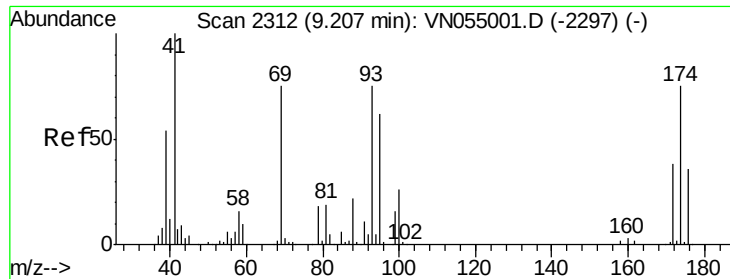
Tot Ion: 83 Resp: 129256
Ion Ratio Lower Upper
83 100
85 62.3 51.2 76.8
127 8.1 6.8 10.2



#48
Methyl methacrylate
Concen: 20.246 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Tgt Ion: 41 Resp: 85828
Ion Ratio Lower Upper
41 100
69 71.8 60.5 90.7
39 53.9 43.9 65.9





#49

1,4-Dioxane

Concen: 436.737 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBS01

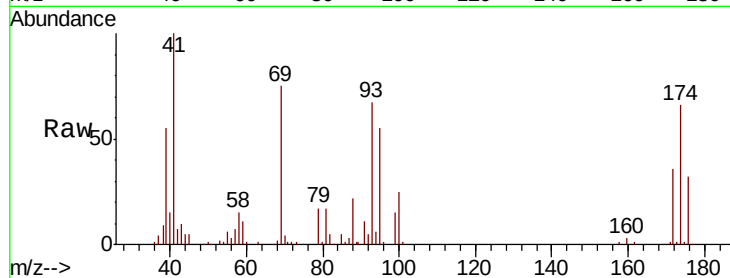
Tot Ion: 88 Resp: 19911

Ion Ratio Lower Upper

88 100

43 35.7 31.8 47.8

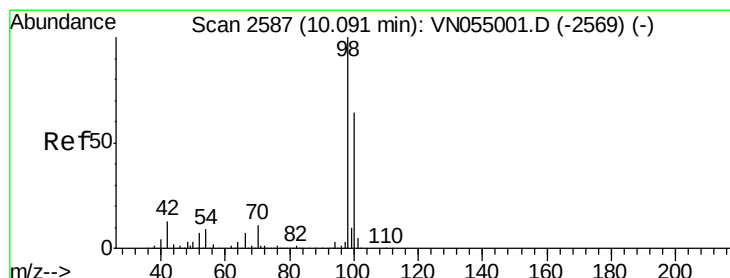
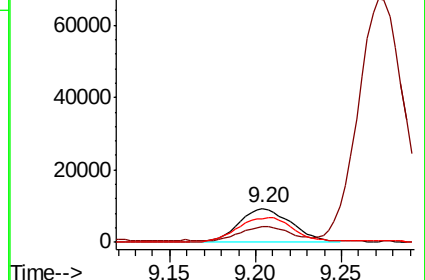
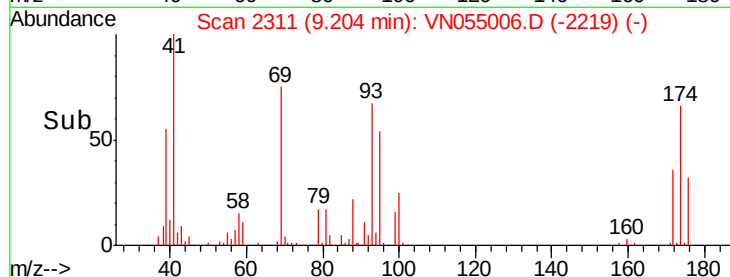
58 77.7 61.6 92.4



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: 50.268 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055006.D

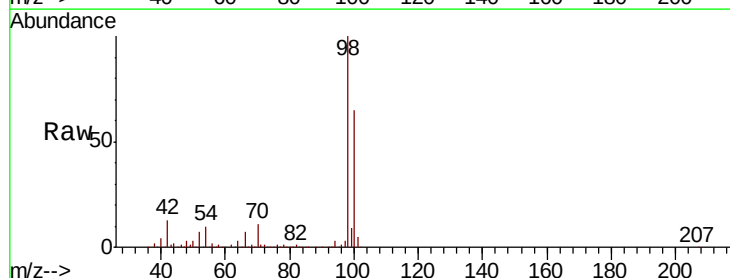
Acq: 12 Apr 2019 18:26

Tgt Ion: 98 Resp: 816396

Ion Ratio Lower Upper

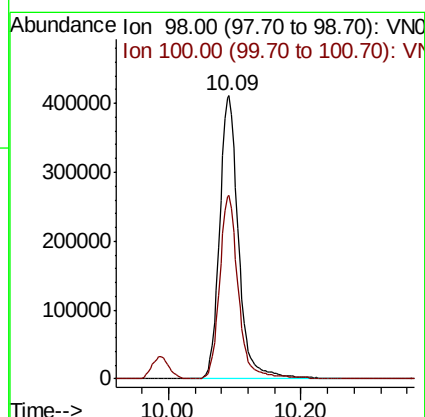
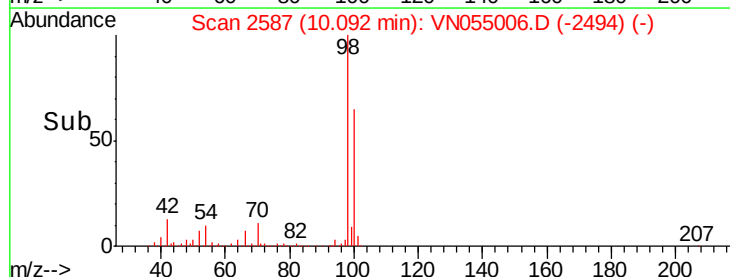
98 100

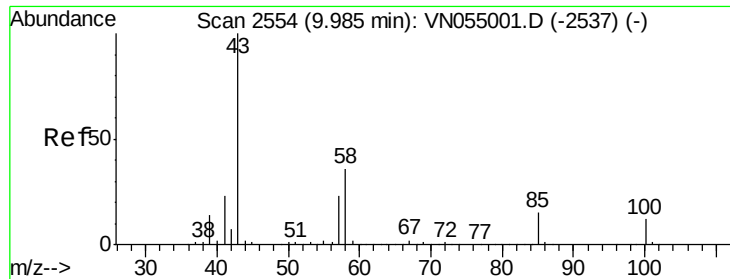
100 63.8 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 103.974 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

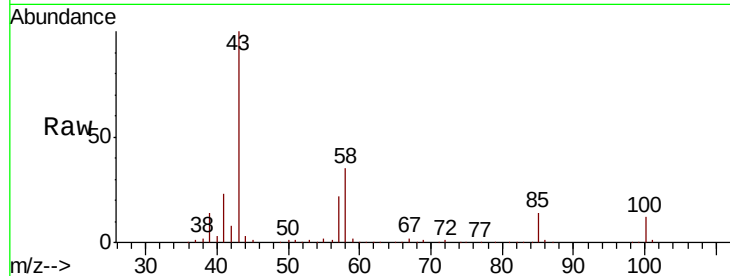
VN0413WBS01

Tot Ion: 43 Resp: 500985

Ion Ratio Lower Upper

43 100

58 35.3 29.0 43.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

250000

200000

150000

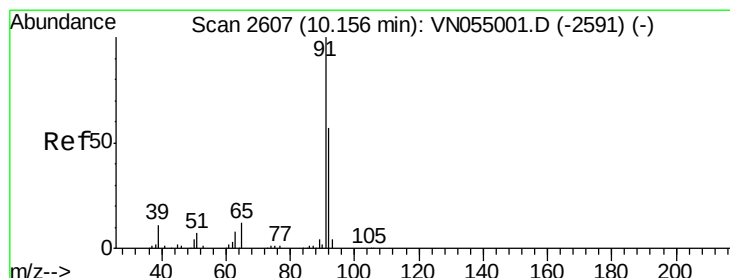
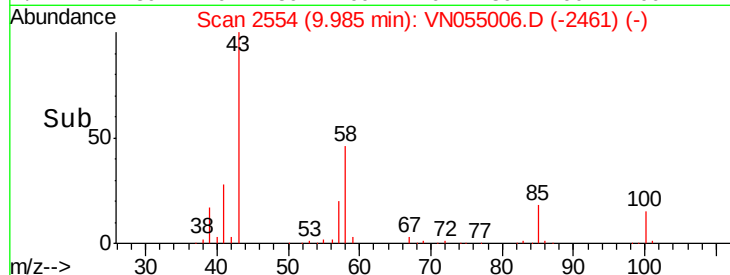
100000

50000

0

Time-->

9.90 10.00 10.10



#52

Toluene

Concen: 20.632 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055006.D

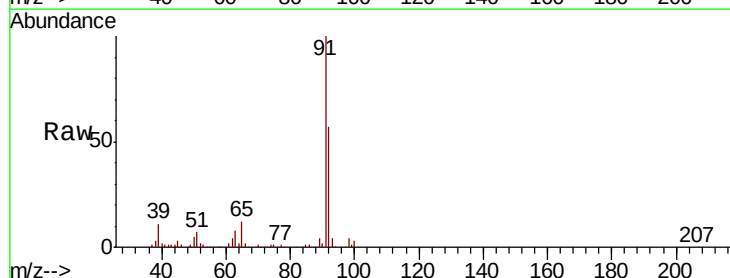
Acq: 12 Apr 2019 18:26

Tgt Ion: 92 Resp: 236492

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

250000

200000

150000

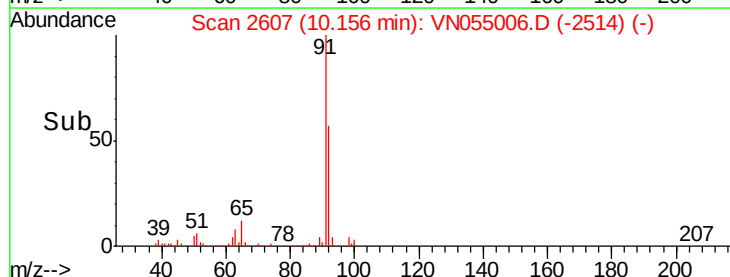
100000

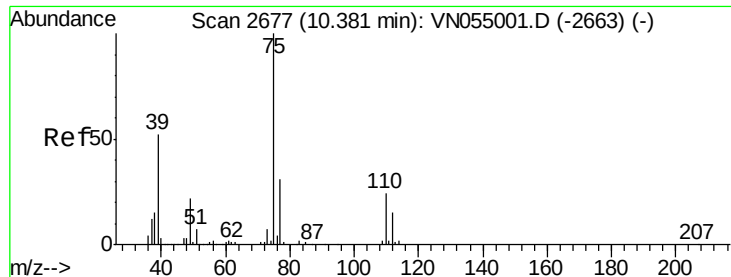
50000

0

Time-->

10.10 10.20





#53

t-1,3-Dichloropropene

Concen: 19.799 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

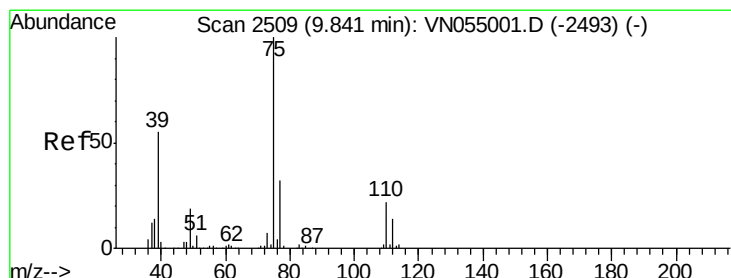
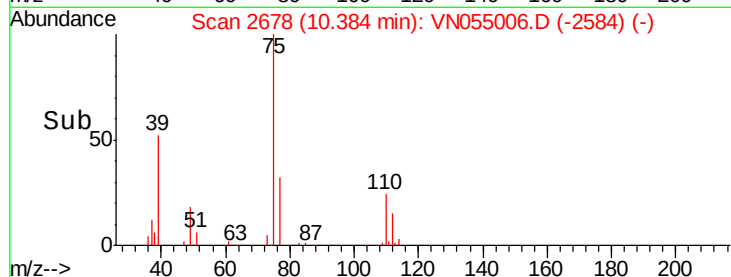
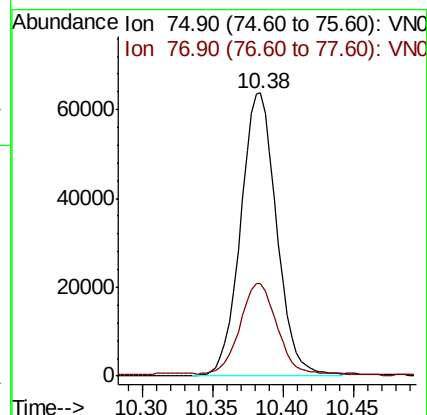
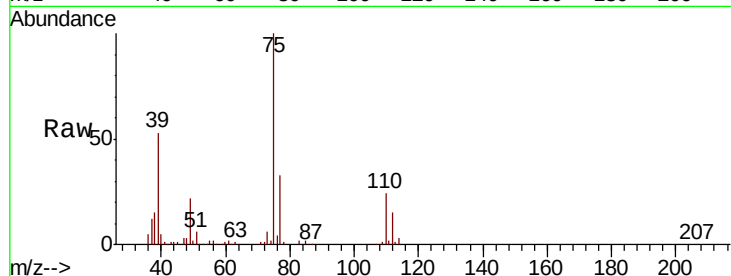
VN0413WBS01

Tot Ion: 75 Resp: 114260

Ion Ratio Lower Upper

75 100

77 31.9 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 20.220 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

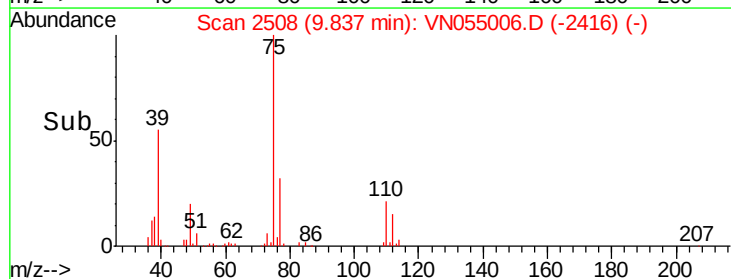
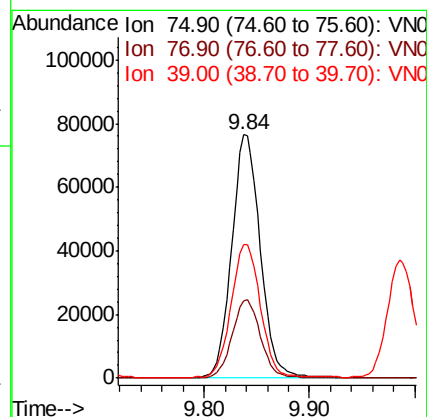
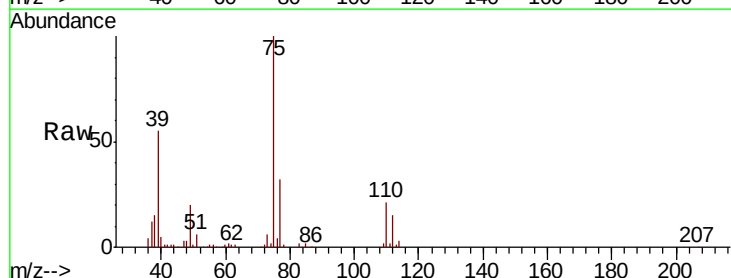
Tgt Ion: 75 Resp: 143740

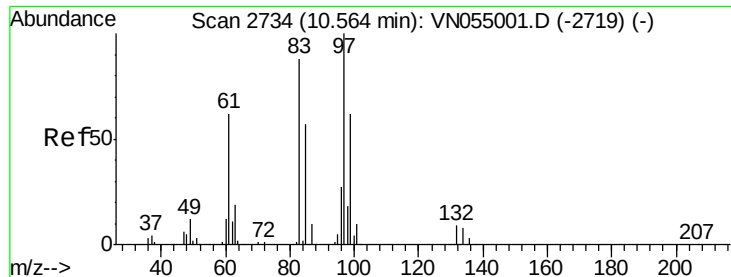
Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.6

39 54.8 43.8 65.8





#55

1,1,2-Trichloroethane

Concen: 20.354 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

ClientSampled :

VN0413WBS01

Tot Ion: 97 Resp: 86911

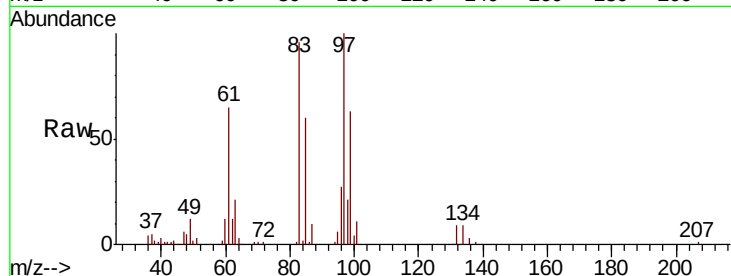
Ion Ratio Lower Upper

97 100

83 96.0 70.5 105.7

85 60.1 45.5 68.3

99 63.4 49.4 74.0

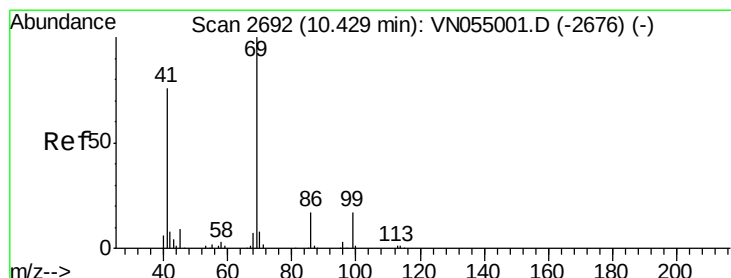
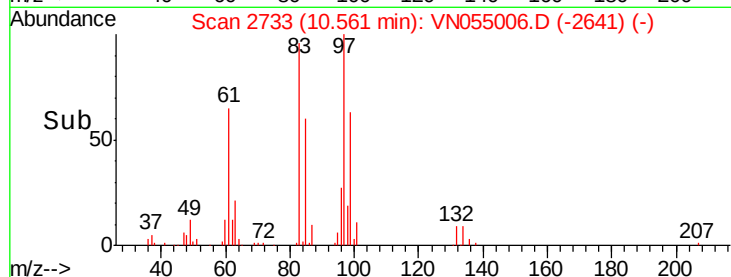
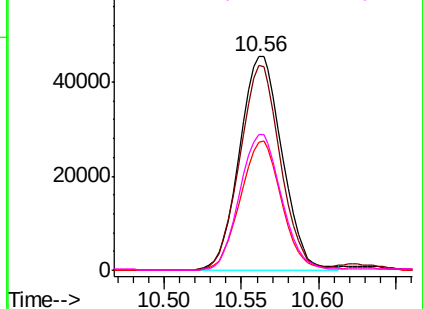


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.305 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

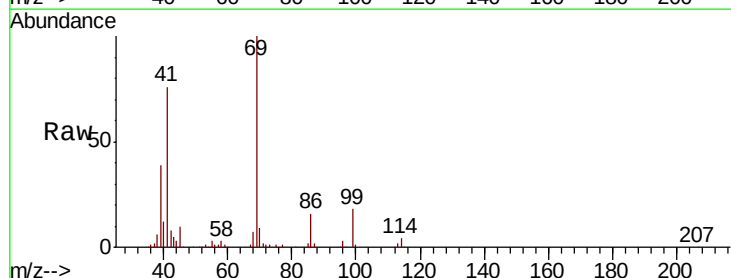
Tgt Ion: 69 Resp: 111565

Ion Ratio Lower Upper

69 100

41 74.8 61.4 92.0

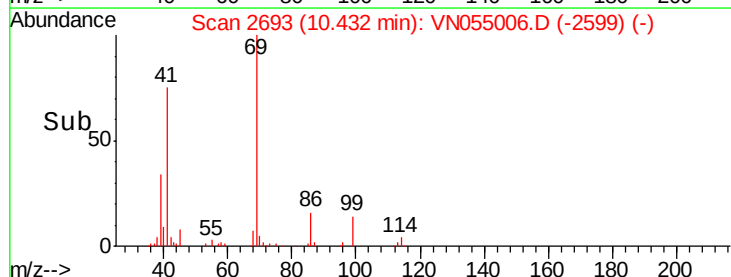
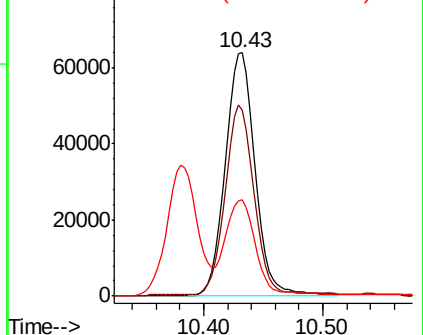
39 37.4 30.8 46.2

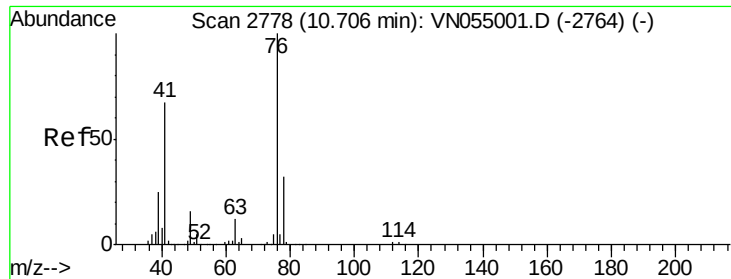


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.857 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

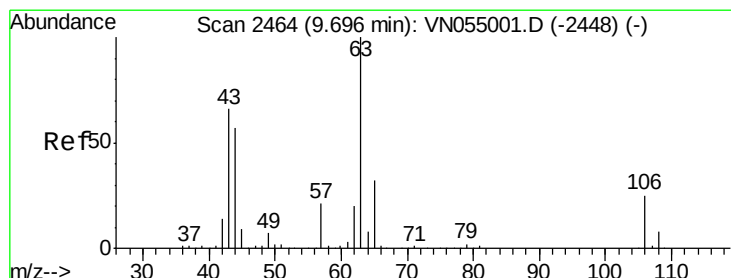
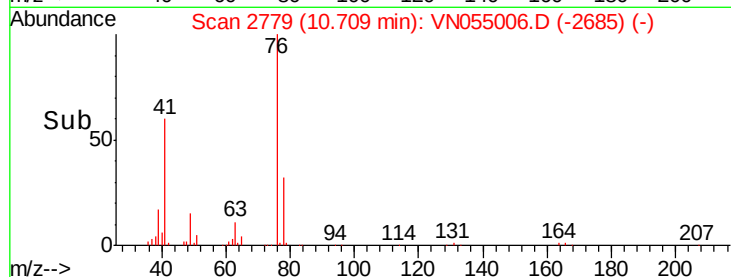
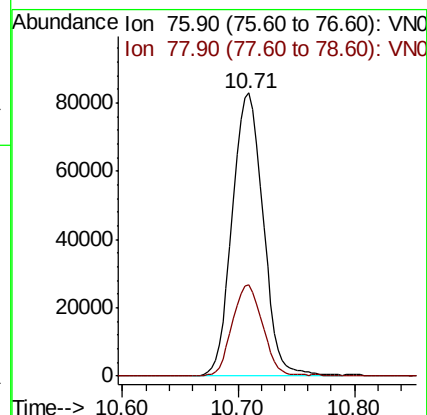
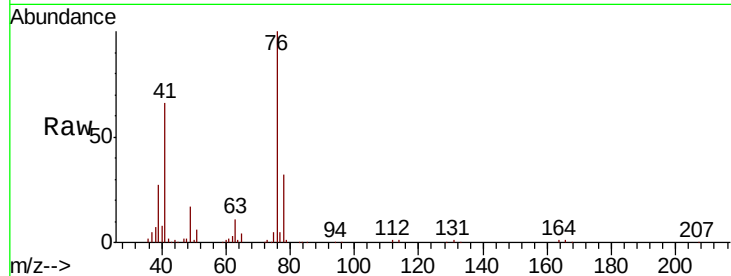
VN0413WBS01

Tot Ion: 76 Resp: 153631

Ion Ratio Lower Upper

76 100

78 31.6 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 99.718 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055006.D

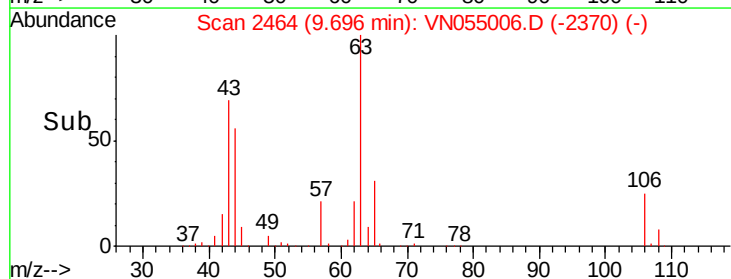
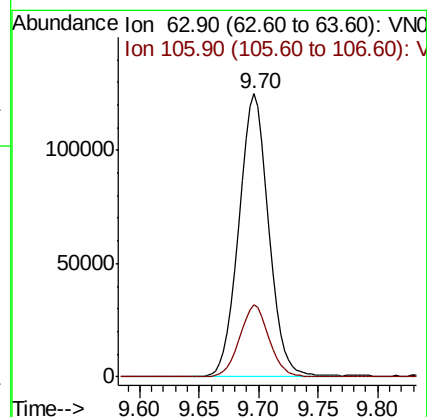
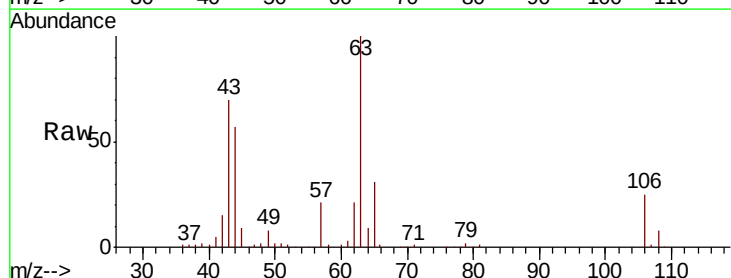
Acq: 12 Apr 2019 18:26

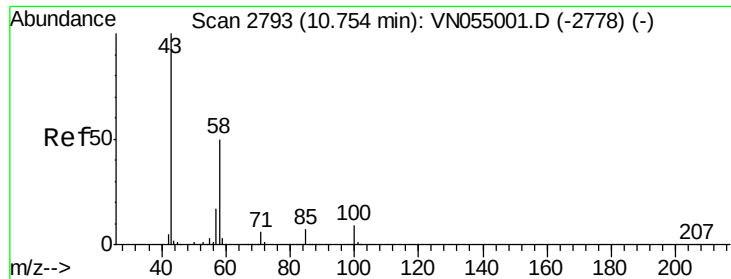
Tgt Ion: 63 Resp: 217052

Ion Ratio Lower Upper

63 100

106 25.2 20.0 30.0

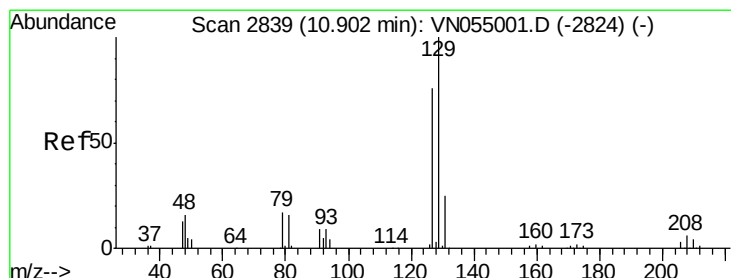
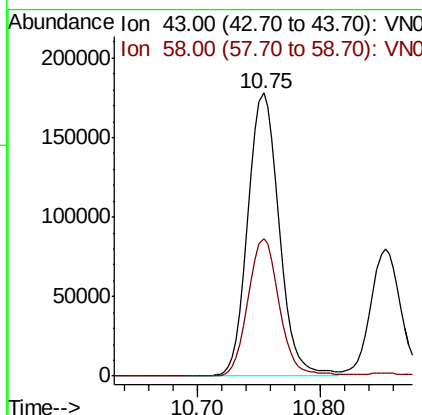
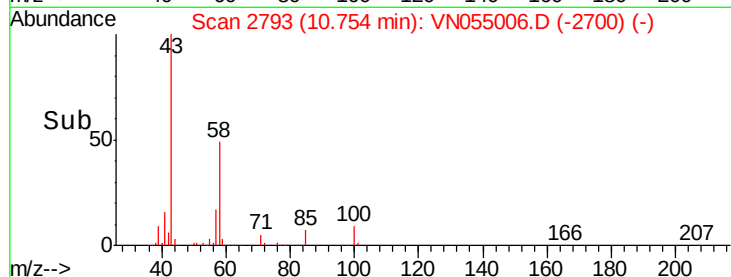
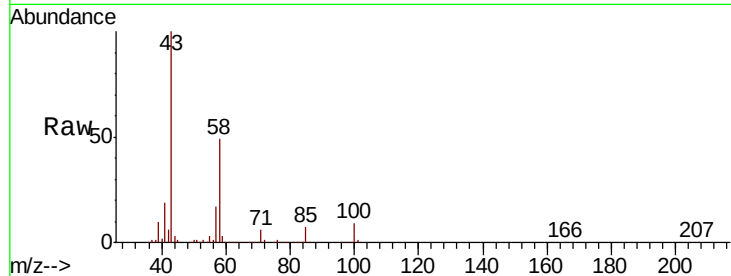




#59
2-Hexanone
Concen: 104.124 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

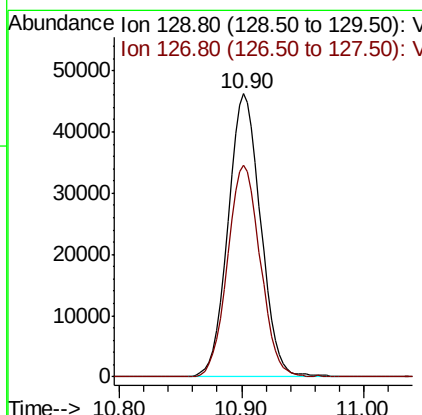
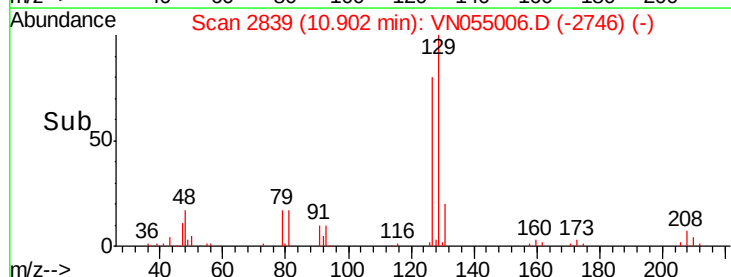
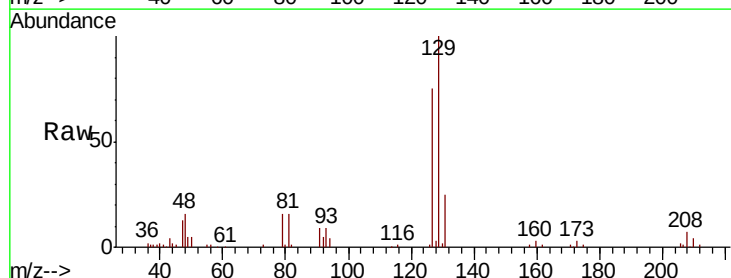
Instrument :
MSVOA_N
ClientSampleId :
VN0413WBS01

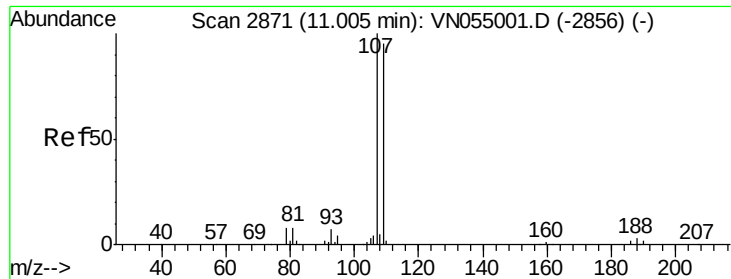
Tot Ion: 43 Resp: 313515
Ion Ratio Lower Upper
43 100
58 48.8 25.1 75.2



#60
Dibromochloromethane
Concen: 20.212 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Tgt Ion: 129 Resp: 85906
Ion Ratio Lower Upper
129 100
127 75.3 38.2 114.6

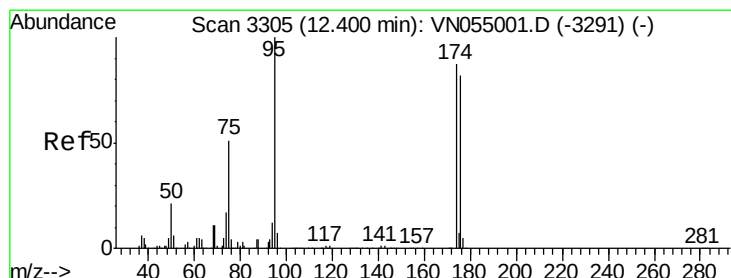
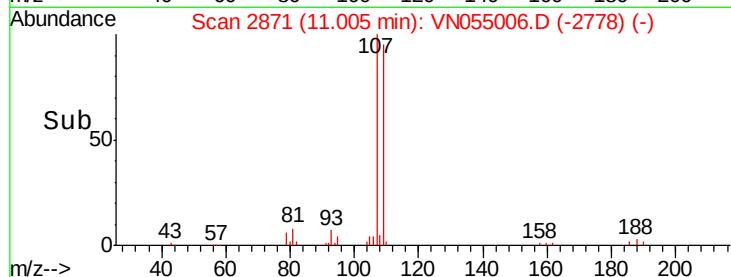
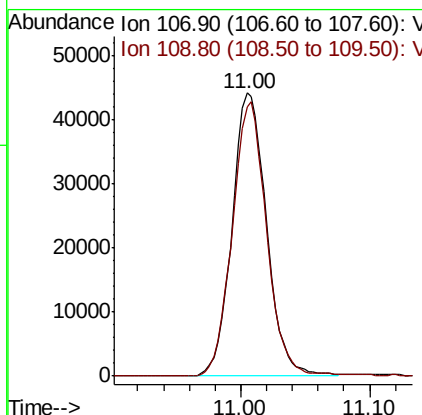
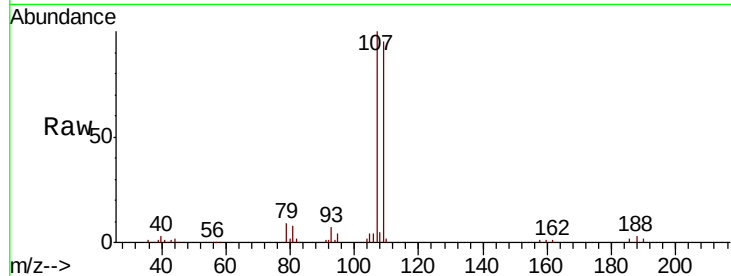




#61
 1,2-Dibromoethane
 Concen: 20.055 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055006.D
 Acq: 12 Apr 2019 18:26

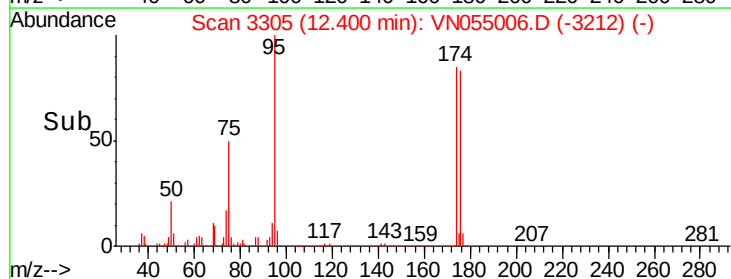
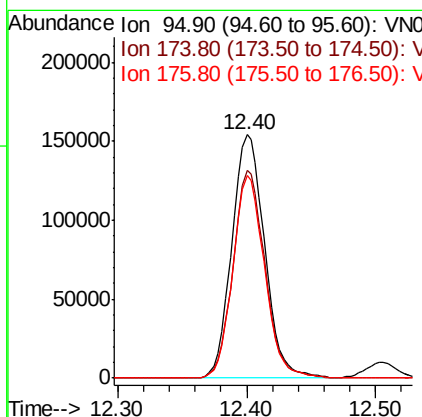
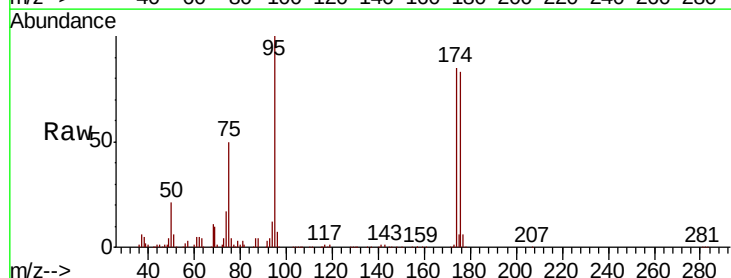
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBS01

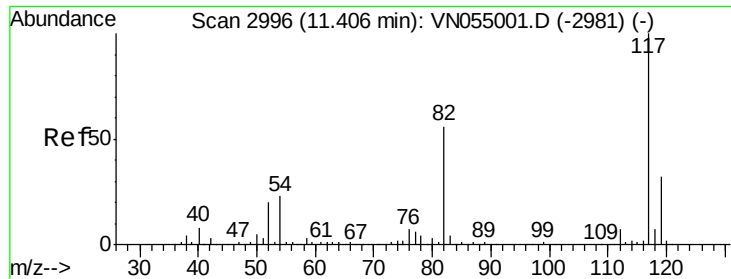
Tot Ion:107 Resp: 81990
 Ion Ratio Lower Upper
 107 100
 109 96.7 76.5 114.7



#62
 4-Bromofluorobenzene
 Concen: 49.809 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055006.D
 Acq: 12 Apr 2019 18:26

Tgt Ion: 95 Resp: 272486
 Ion Ratio Lower Upper
 95 100
 174 83.0 0.0 174.4
 176 80.7 0.0 166.8

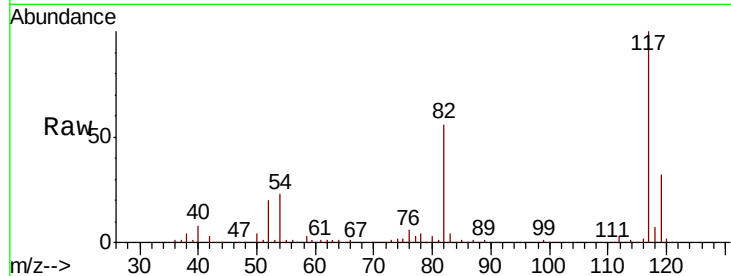




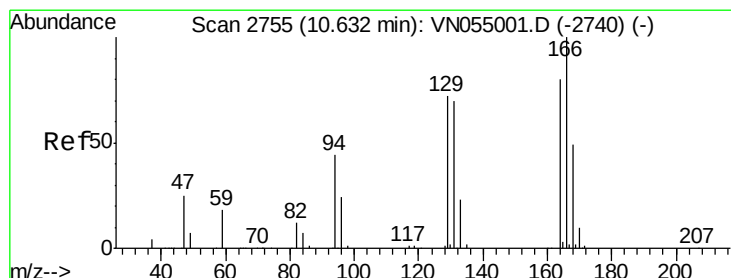
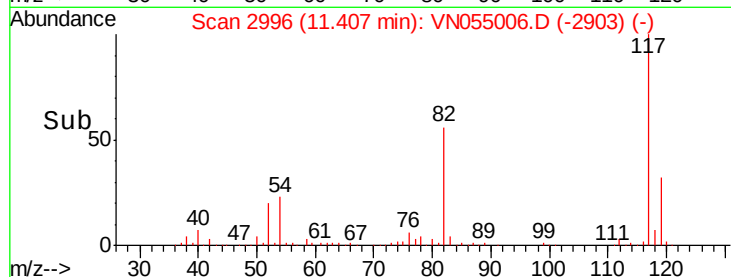
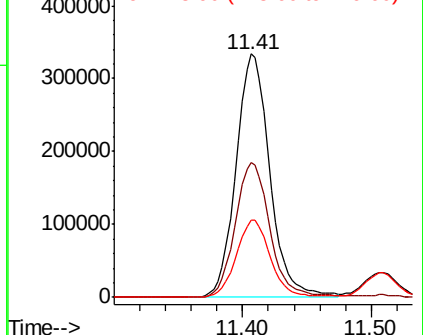
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBS01

Tot Ion:117 Resp: 608444
Ion Ratio Lower Upper
117 100
82 55.6 44.6 66.8
119 31.6 25.5 38.3

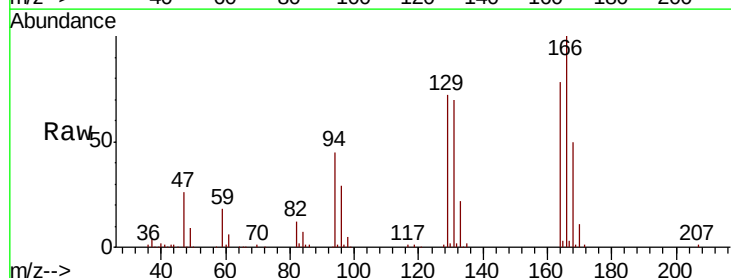


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

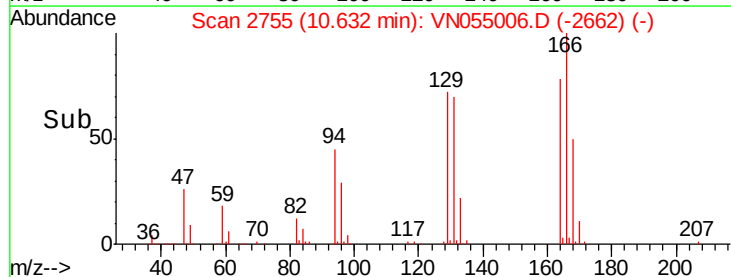
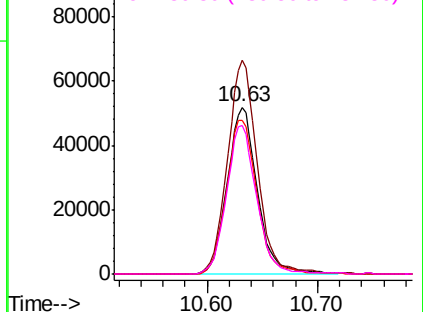


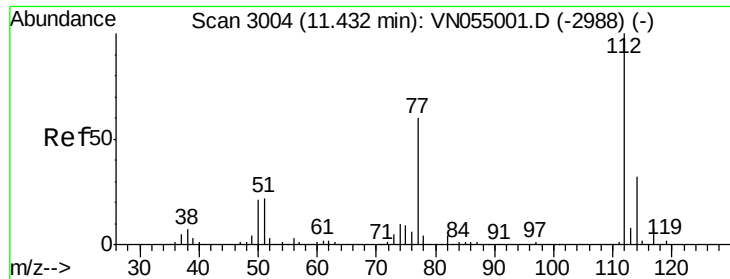
#64
Tetrachloroethene
Concen: 20.646 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Tgt Ion:164 Resp: 98264
Ion Ratio Lower Upper
164 100
166 127.9 100.0 150.0
129 92.4 72.0 108.0
131 89.2 69.7 104.5



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

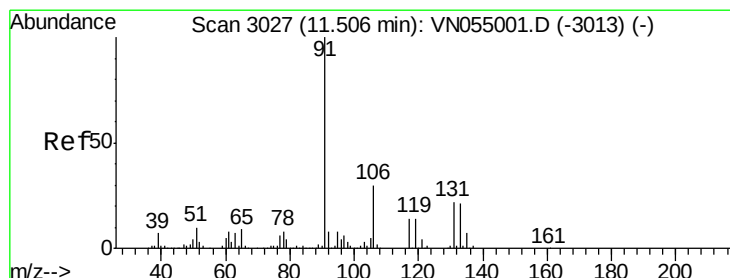
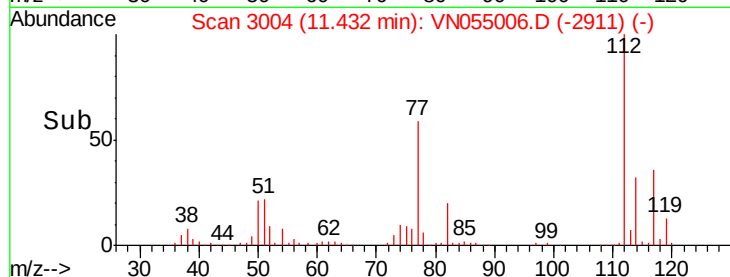
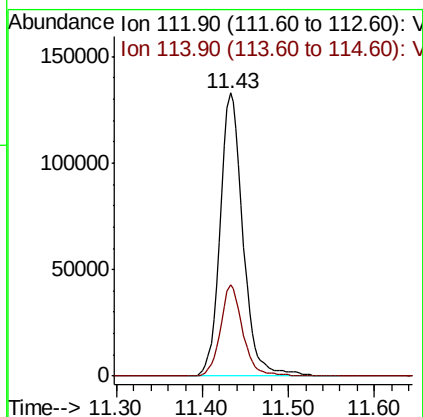
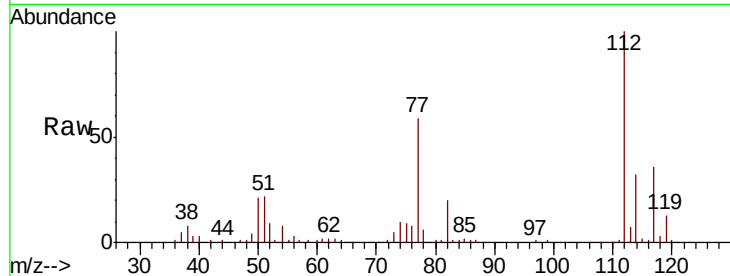




#65
Chlorobenzene
Concen: 20.932 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

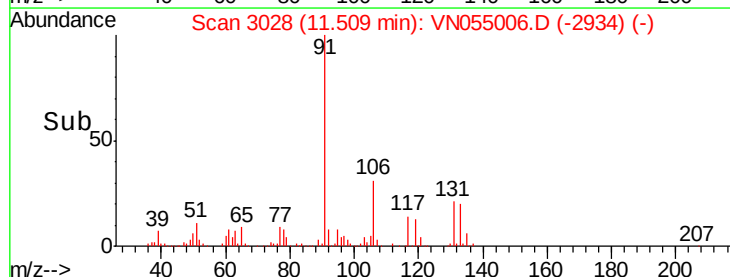
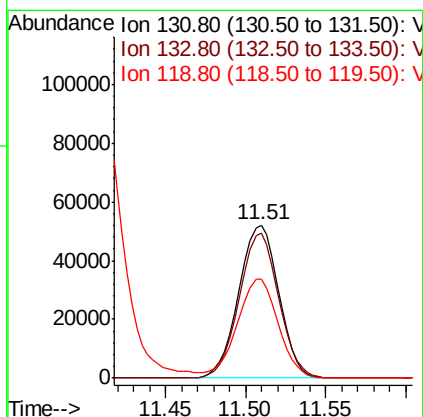
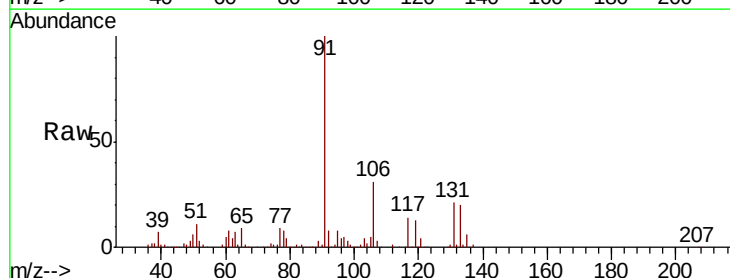
Instrument :
MSVOA_N
ClientSampled :
VN0413WBS01

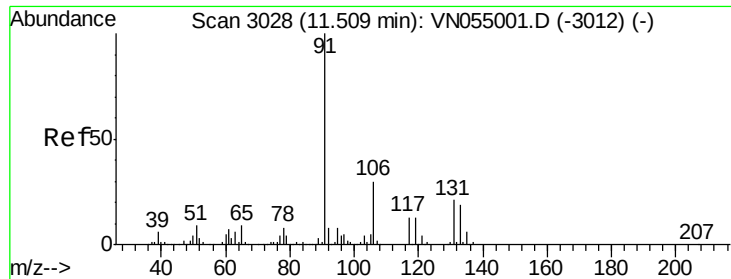
Tot Ion:112 Resp: 245571
Ion Ratio Lower Upper
112 100
114 32.4 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.591 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Tgt Ion:131 Resp: 89026
Ion Ratio Lower Upper
131 100
133 93.5 47.8 143.3
119 66.4 33.6 100.6

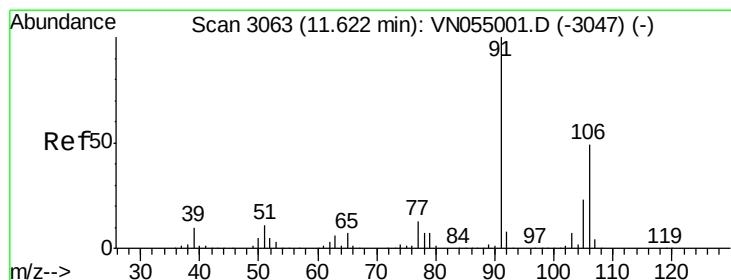
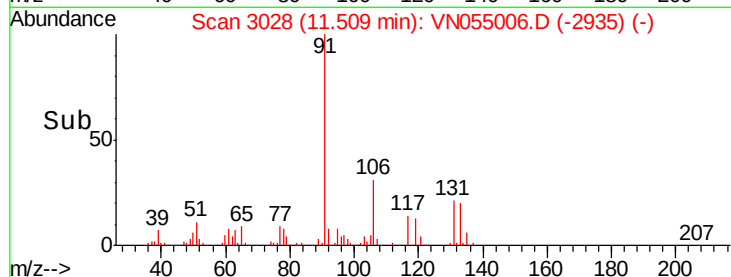
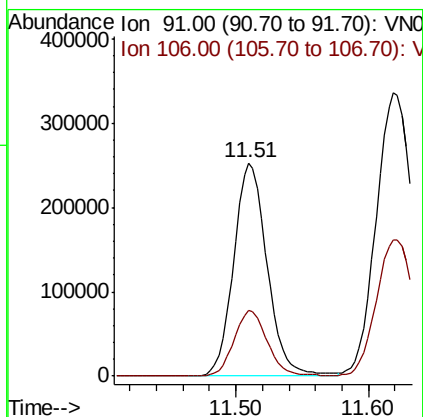
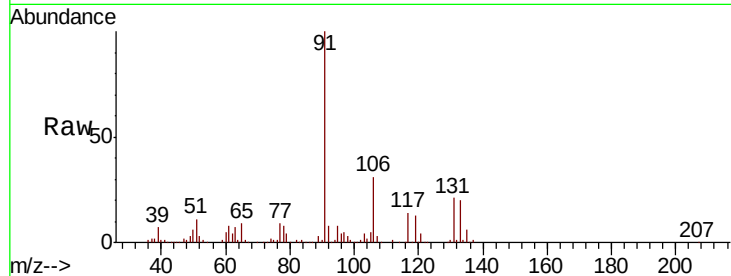




#67
Ethyl Benzene
Concen: 20.582 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

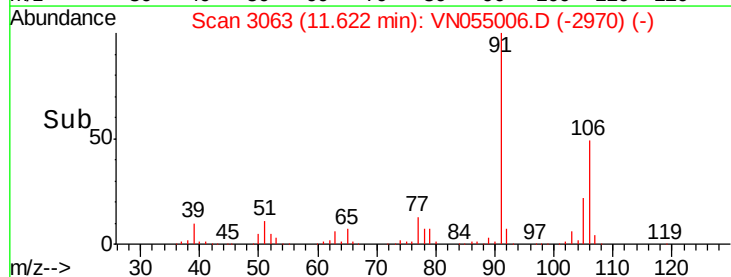
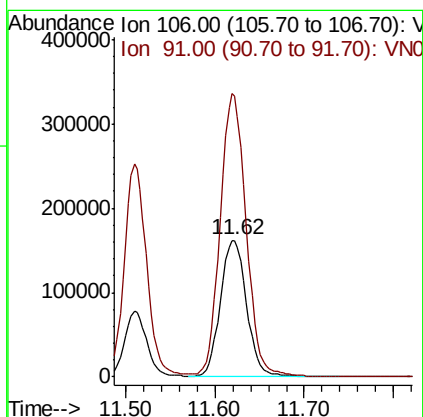
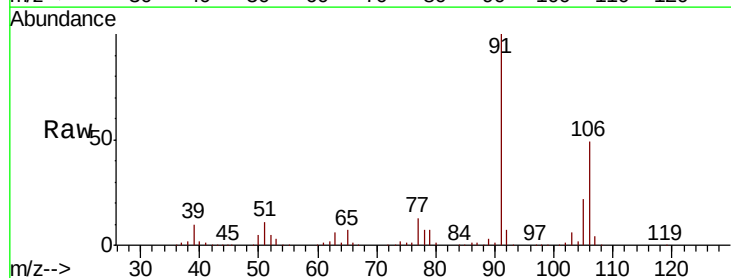
Instrument :
MSVOA_N
ClientSampled :
VN0413WBS01

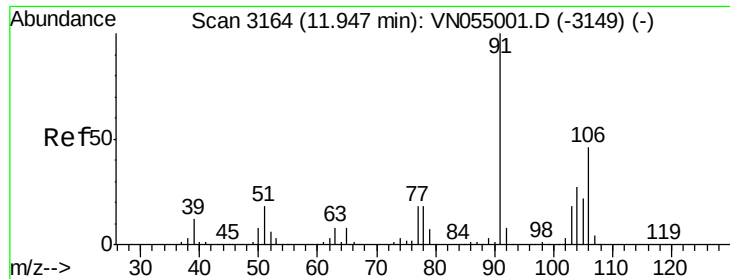
Tot Ion: 91 Resp: 443541
Ion Ratio Lower Upper
91 100
106 30.7 24.3 36.5



#68
m/p-Xylenes
Concen: 41.986 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Tgt Ion: 106 Resp: 331036
Ion Ratio Lower Upper
106 100
91 204.1 165.9 248.9

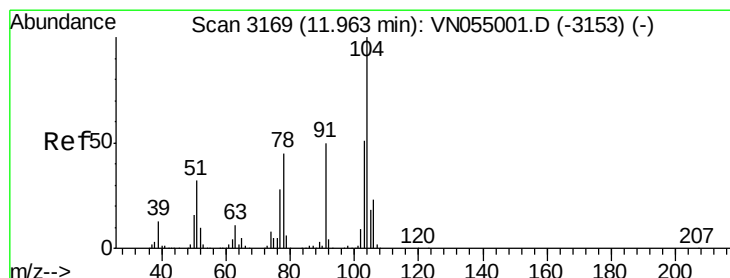
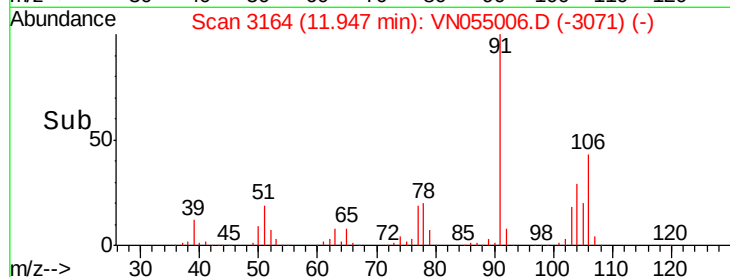
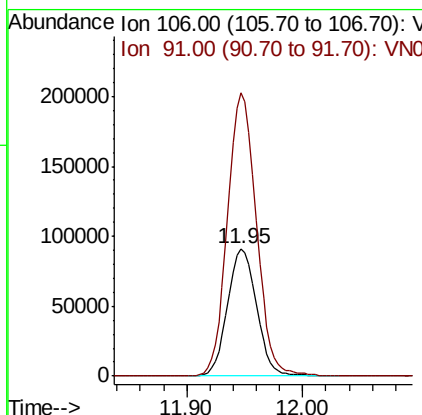
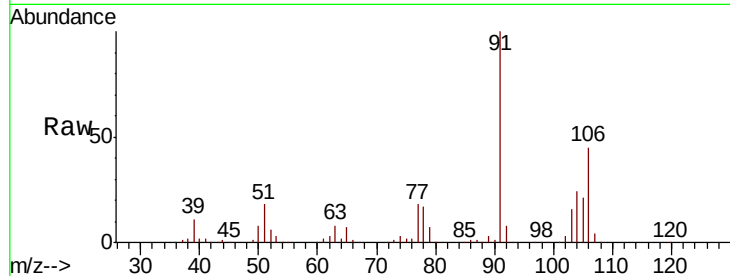




#69
o-Xylene
Concen: 20.227 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

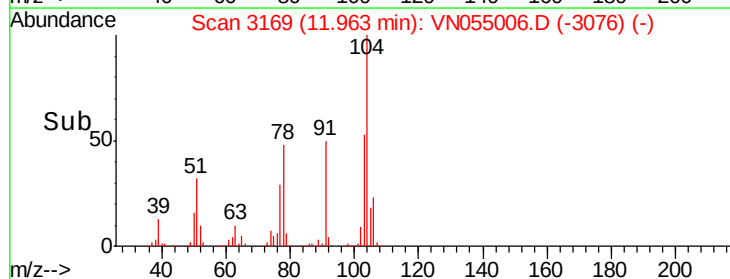
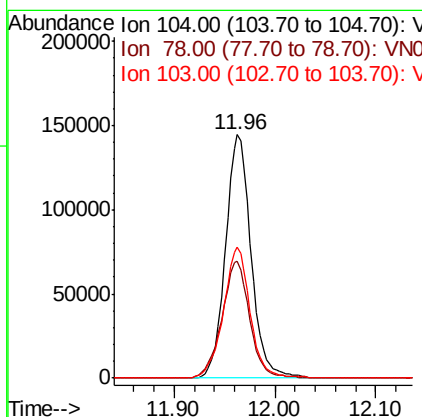
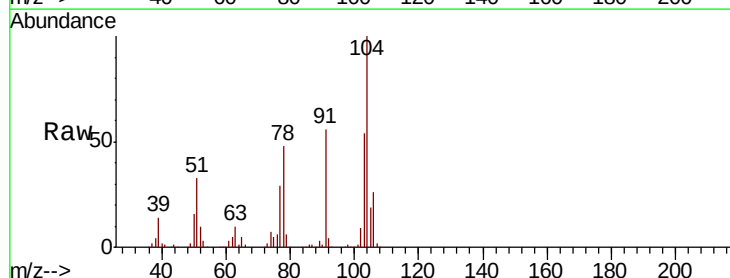
Instrument :
MSVOA_N
ClientSampled :
VN0413WBS01

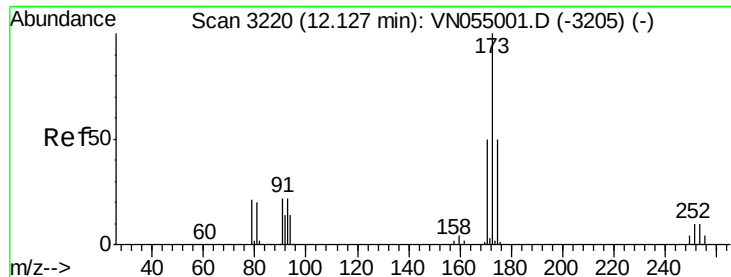
Tot Ion:106 Resp: 157790
Ion Ratio Lower Upper
106 100
91 220.8 109.9 329.8



#70
Styrene
Concen: 20.694 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Tgt Ion:104 Resp: 255972
Ion Ratio Lower Upper
104 100
78 51.9 40.3 60.5
103 56.1 44.3 66.5





#71

Bromoform

Concen: 19.534 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBS01

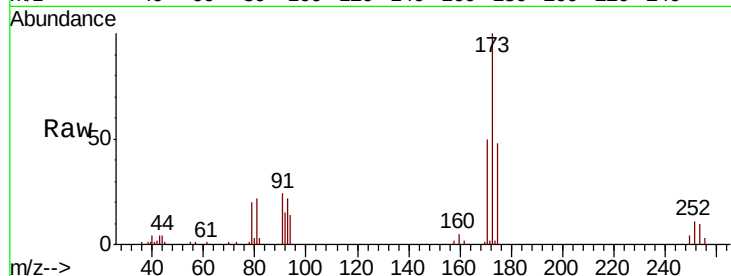
Tot Ion:173 Resp: 52985

Ion Ratio Lower Upper

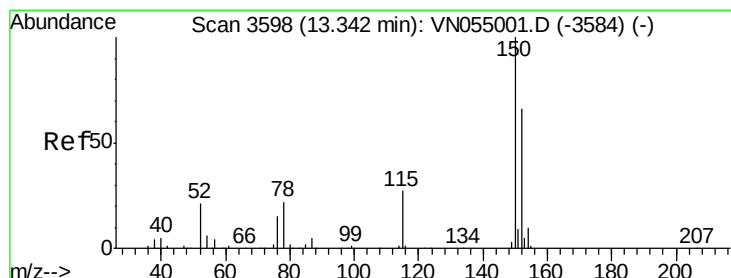
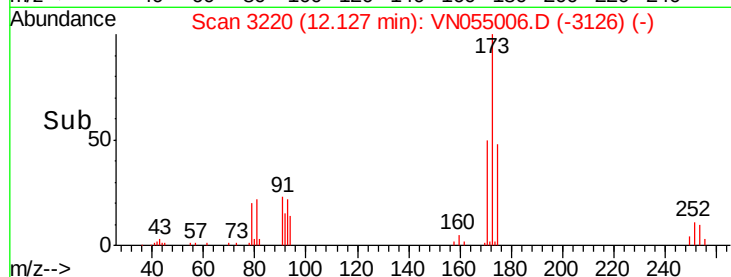
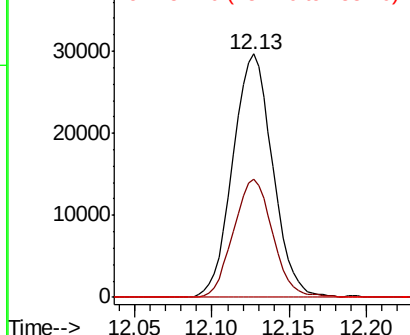
173 100

175 48.0 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: VN055006.D

Acq: 12 Apr 2019 18:26

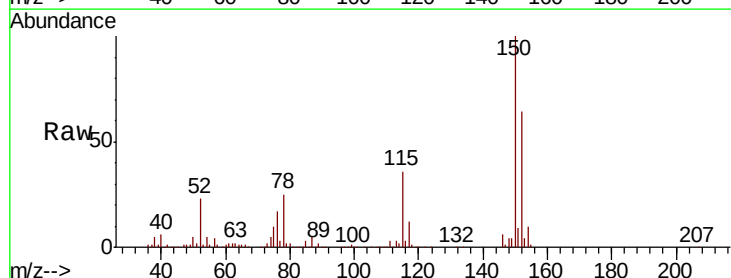
Tgt Ion:152 Resp: 250003

Ion Ratio Lower Upper

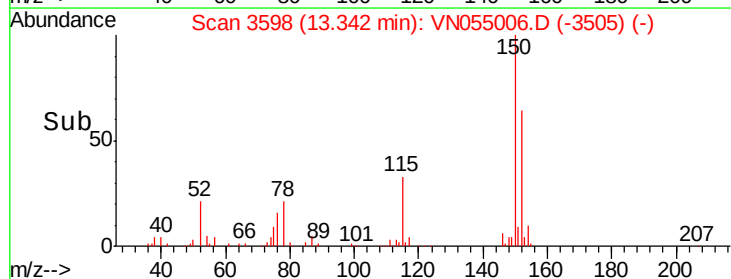
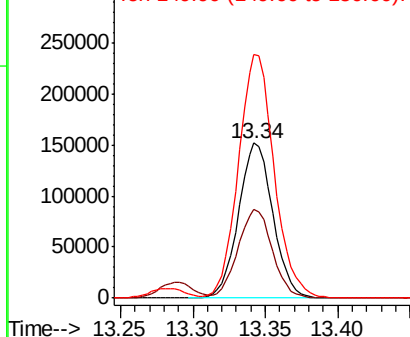
152 100

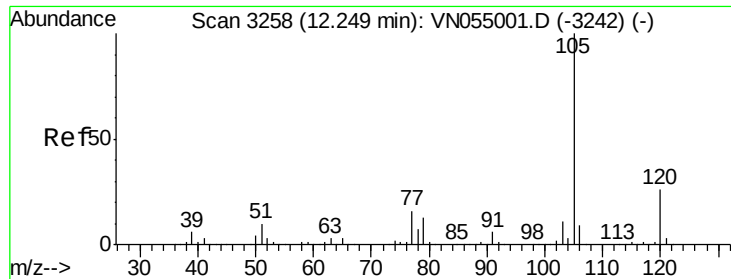
115 57.4 28.5 85.6

150 163.3 0.0 347.2



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





#73

Isopropylbenzene

Concen: 20.281 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

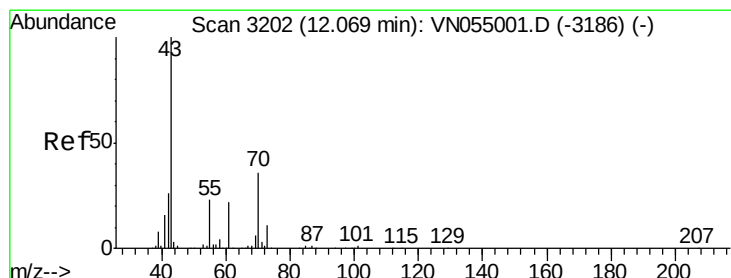
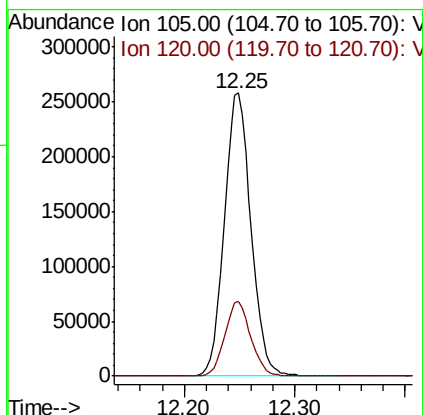
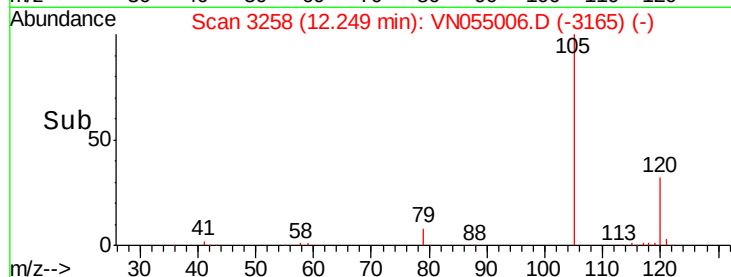
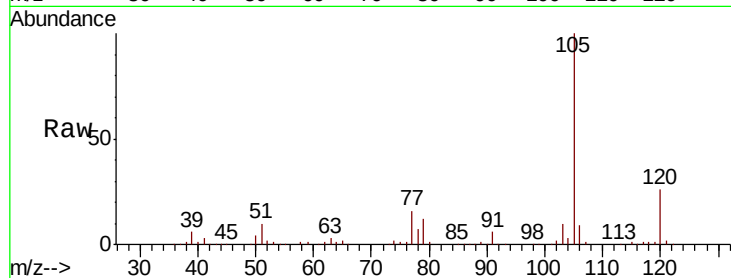
VN0413WBS01

Tot Ion:105 Resp: 431095

Ion Ratio Lower Upper

105 100

120 25.9 13.3 39.9



#74

N-ethyl acetate

Concen: 19.727 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Tgt Ion: 43 Resp: 126388

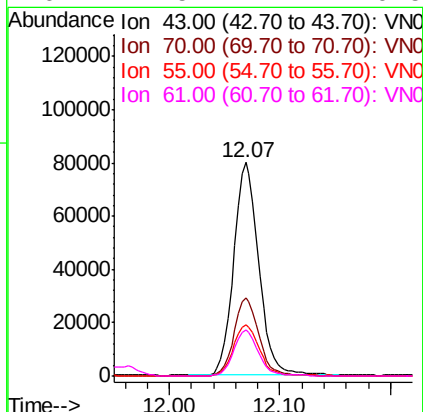
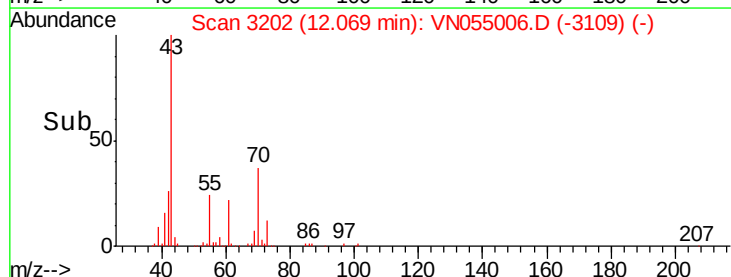
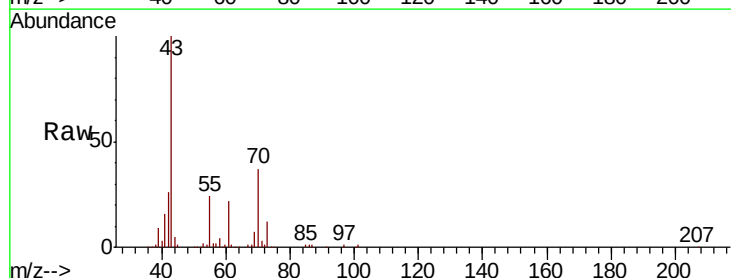
Ion Ratio Lower Upper

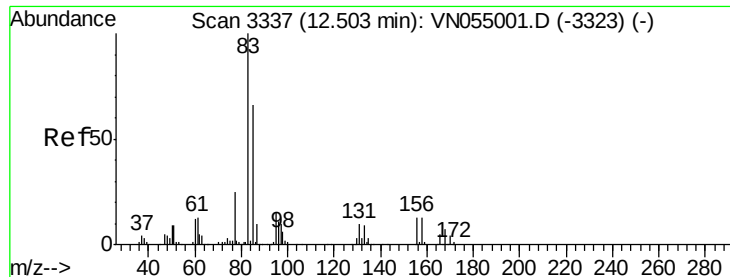
43 100

70 36.5 29.4 44.0

55 25.2 19.0 28.4

61 21.5 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.757 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBS01

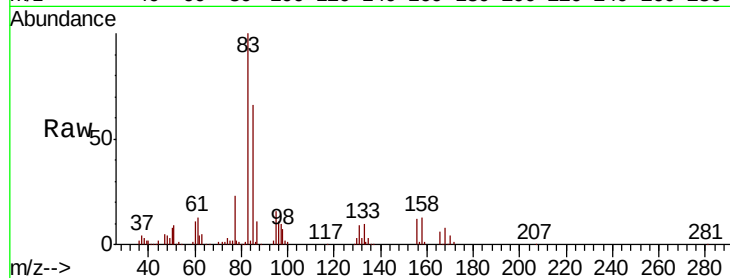
Tot Ion: 83 Resp: 108727

Ion Ratio Lower Upper

83 100

131 9.9 5.0 15.0

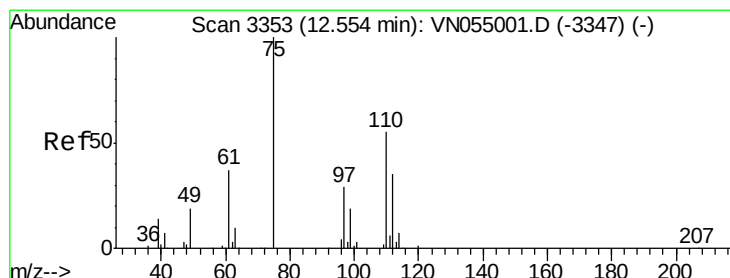
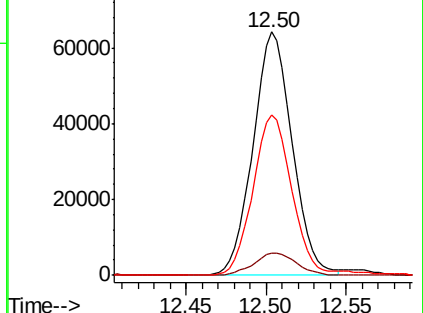
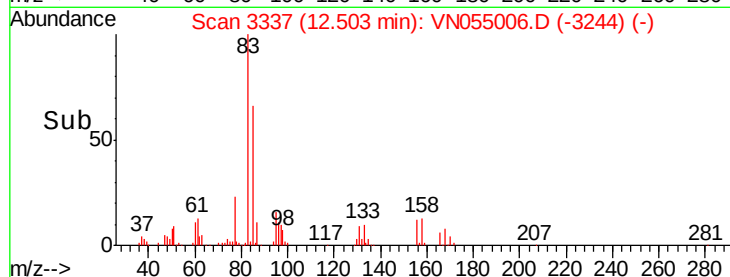
85 66.0 32.3 96.9



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: 27.042 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055006.D

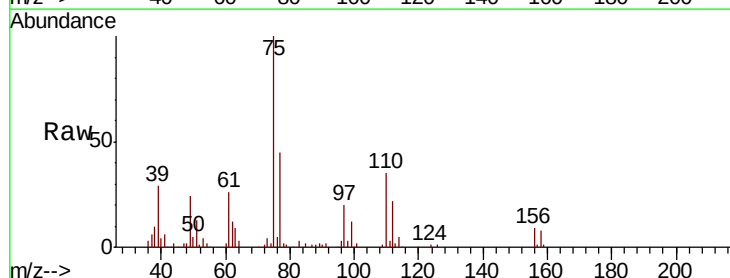
Acq: 12 Apr 2019 18:26

Tgt Ion: 75 Resp: 124376

Ion Ratio Lower Upper

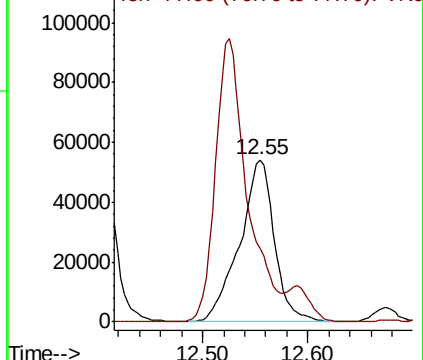
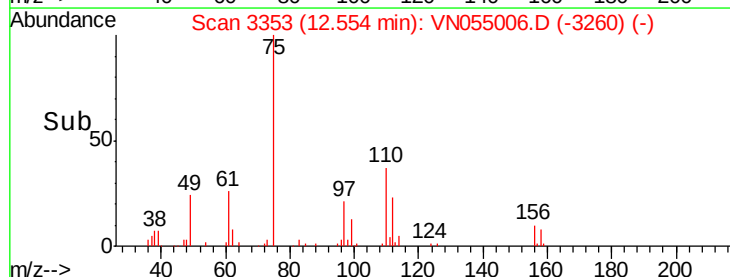
75 100

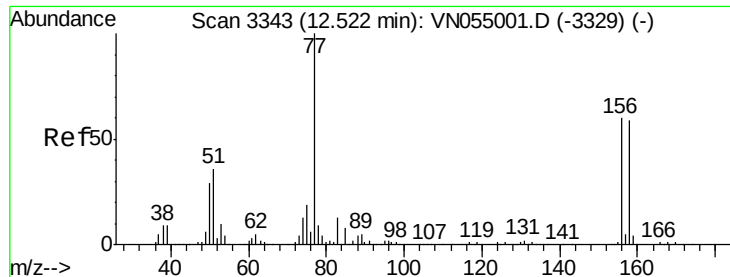
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.336 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

ClientSampled :

VN0413WBS01

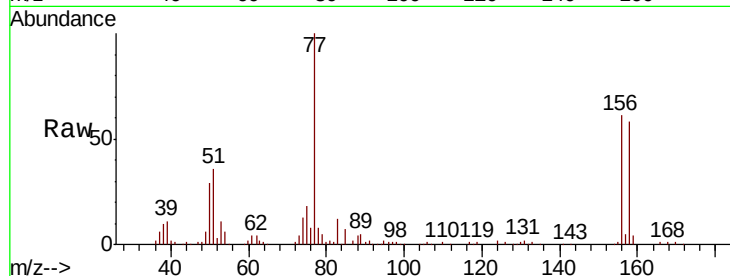
Tot Ion:156 Resp: 104225

Ion Ratio Lower Upper

156 100

77 189.7 97.2 291.5

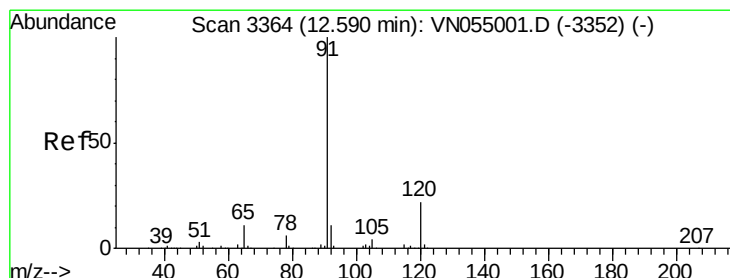
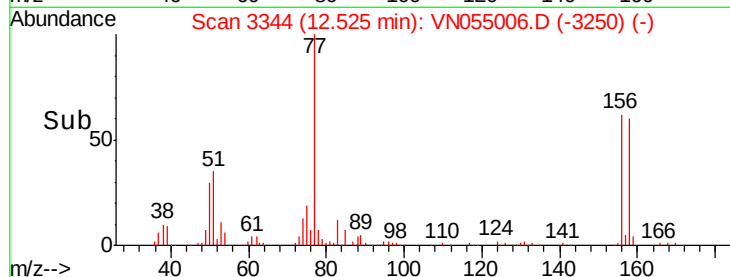
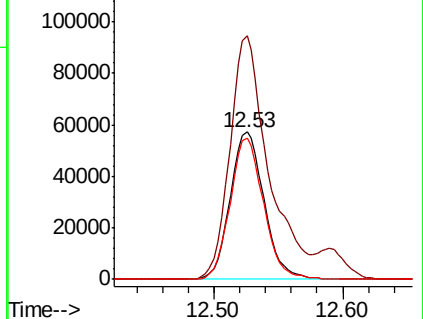
158 94.8 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.641 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055006.D

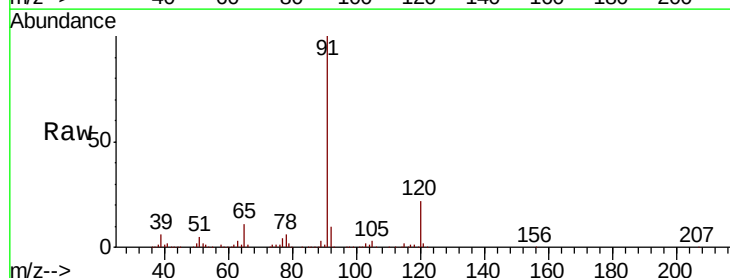
Acq: 12 Apr 2019 18:26

Tgt Ion: 91 Resp: 478012

Ion Ratio Lower Upper

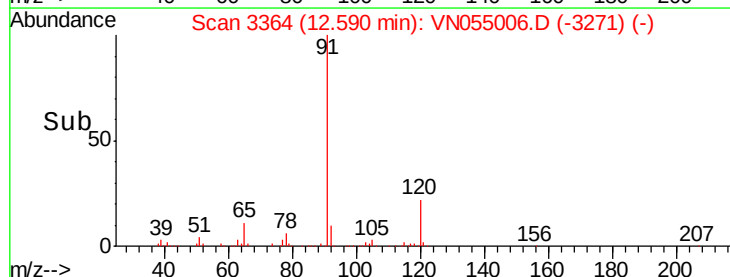
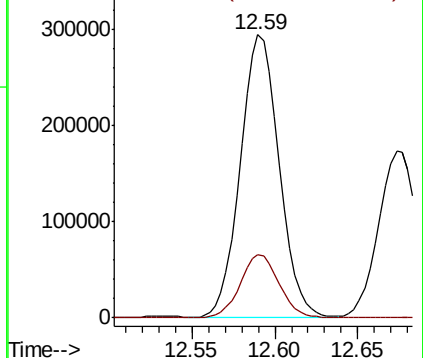
91 100

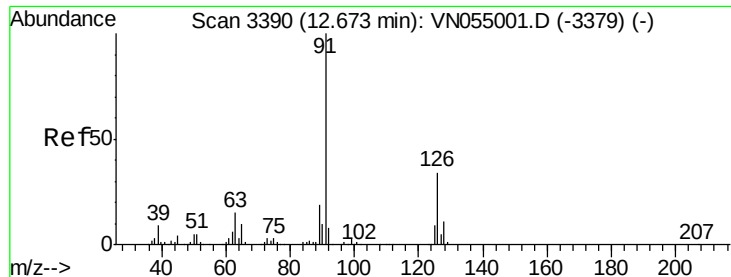
120 22.5 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.132 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

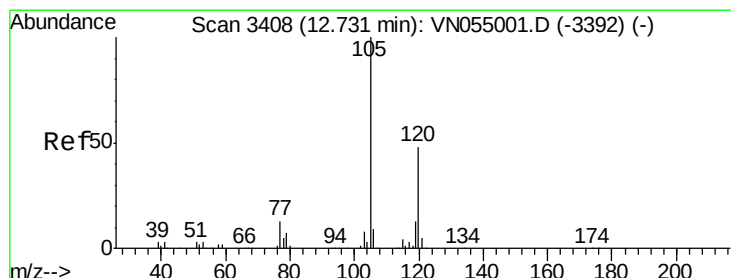
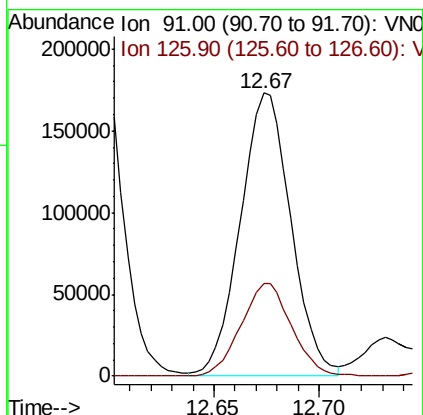
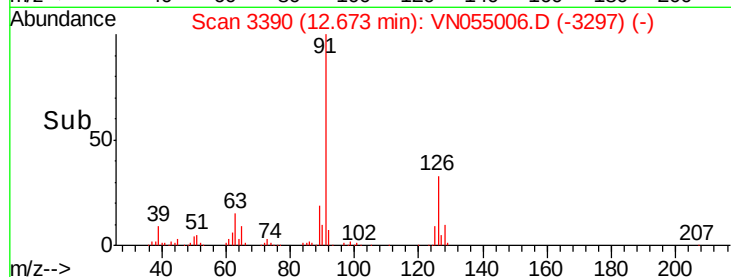
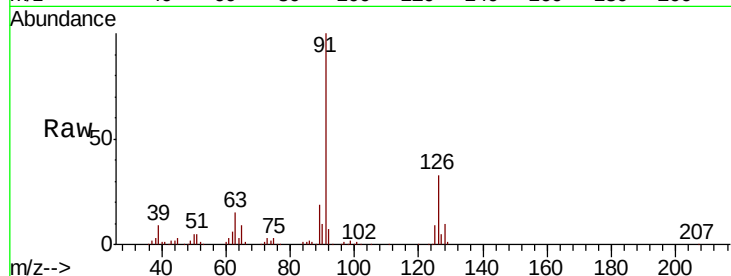
VN0413WBS01

Tot Ion: 91 Resp: 288022

Ion Ratio Lower Upper

91 100

126 33.1 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 20.121 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055006.D

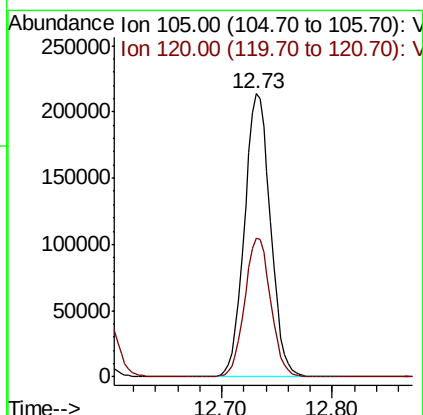
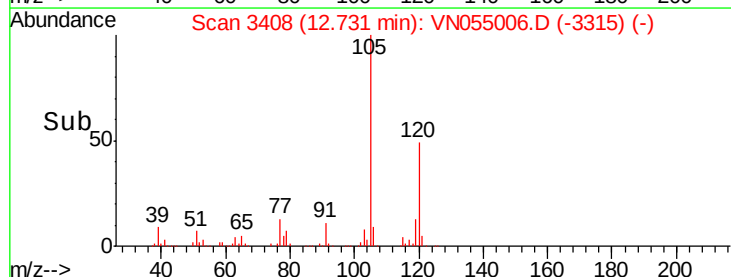
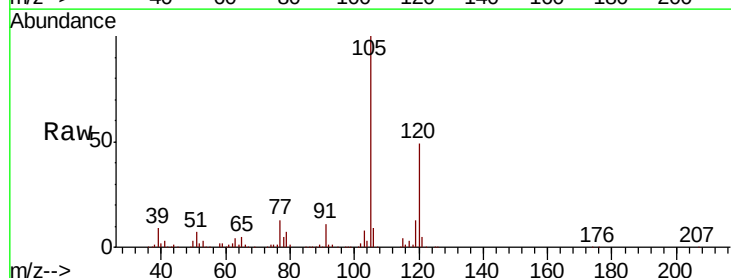
Acq: 12 Apr 2019 18:26

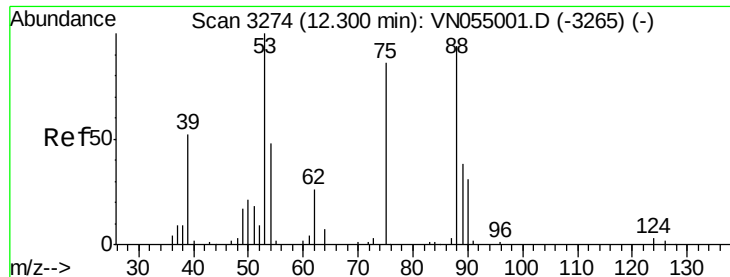
Tgt Ion:105 Resp: 348165

Ion Ratio Lower Upper

105 100

120 49.1 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.804 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

ClientSampled :

VN0413WBS01

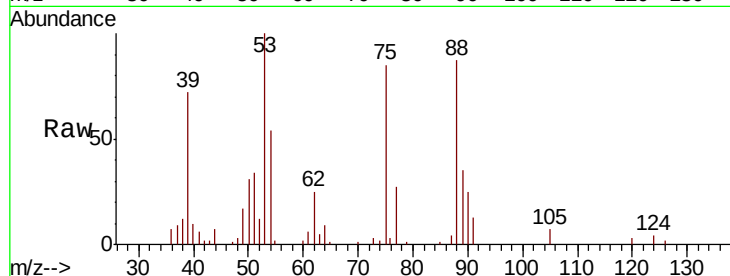
Tot Ion: 75 Resp: 22069

Ion Ratio Lower Upper

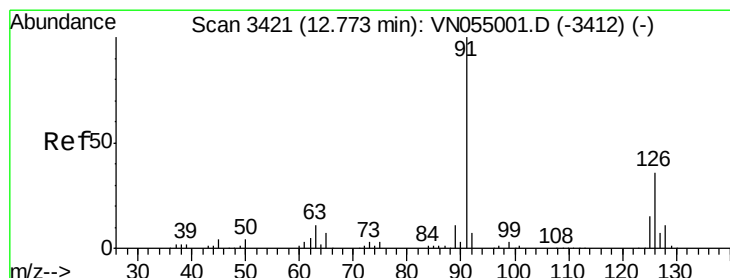
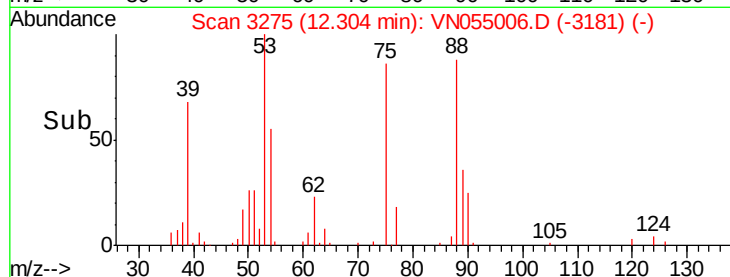
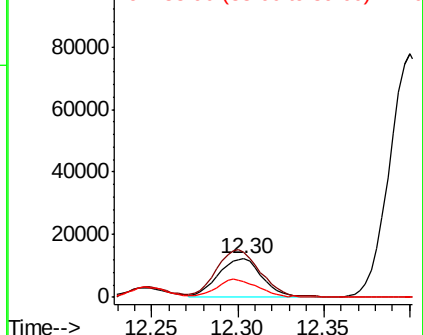
75 100

53 125.4 96.3 144.5

89 43.8 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: 19.900 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055006.D

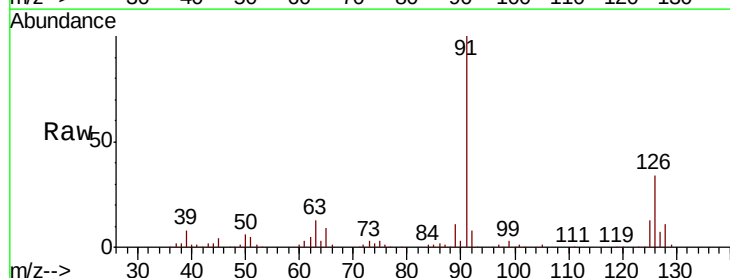
Acq: 12 Apr 2019 18:26

Tgt Ion: 91 Resp: 275341

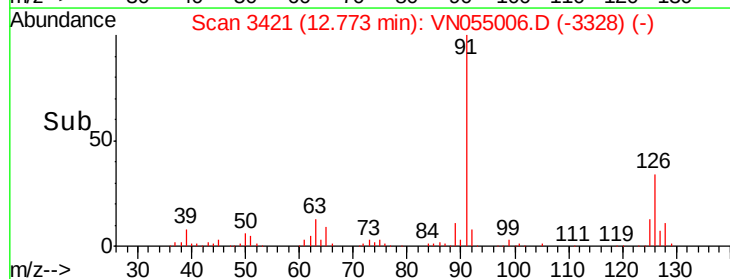
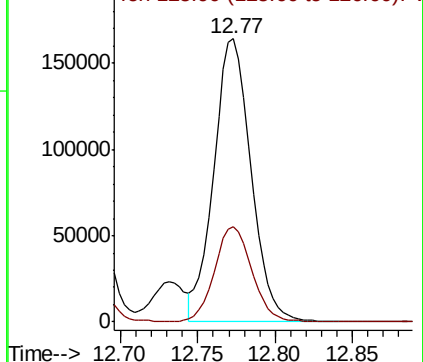
Ion Ratio Lower Upper

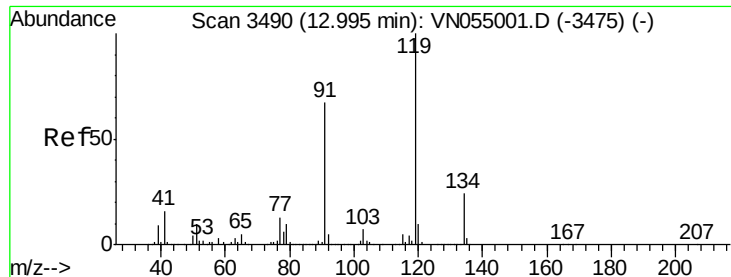
91 100

126 33.8 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 125.90 (125.60 to 126.60): V

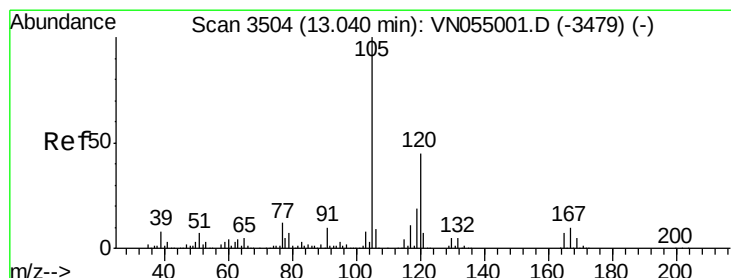
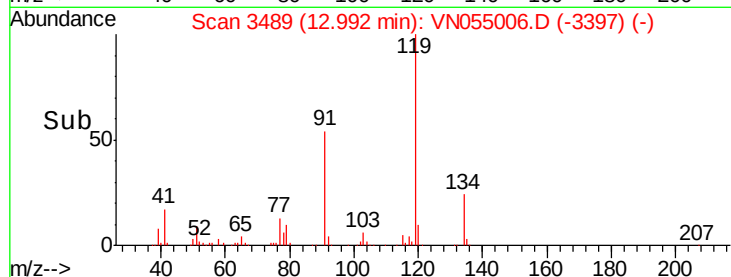
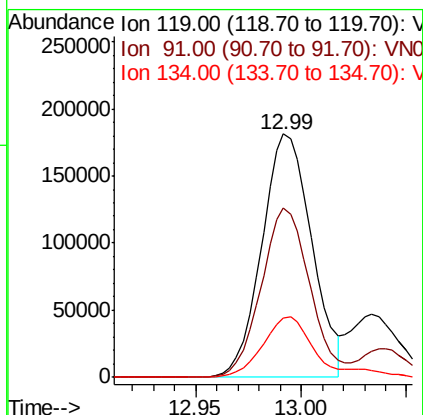
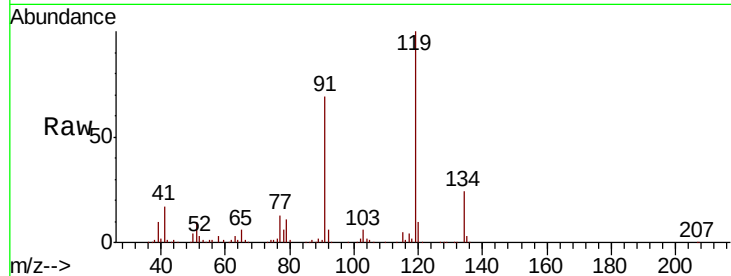




#83
tert-Butylbenzene
Concen: 20.197 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

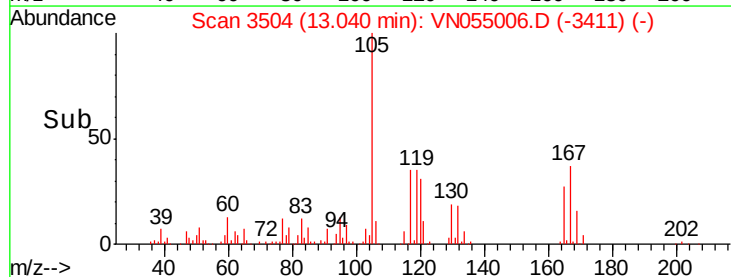
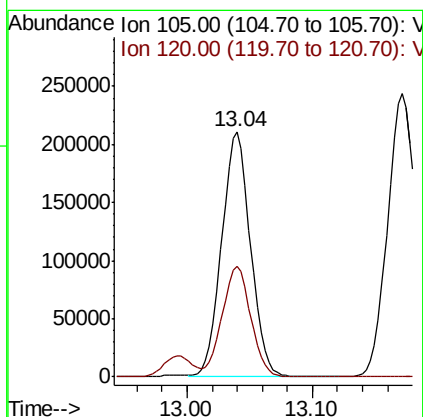
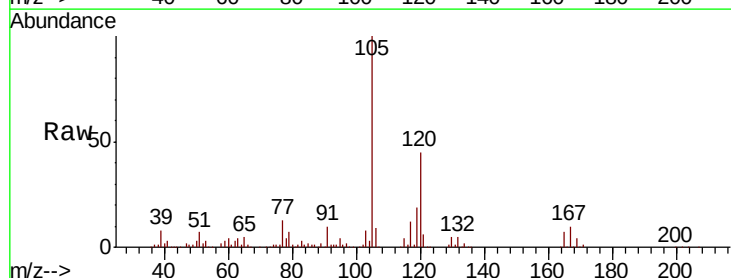
Instrument :
MSVOA_N
ClientSampleId :
VN0413WBS01

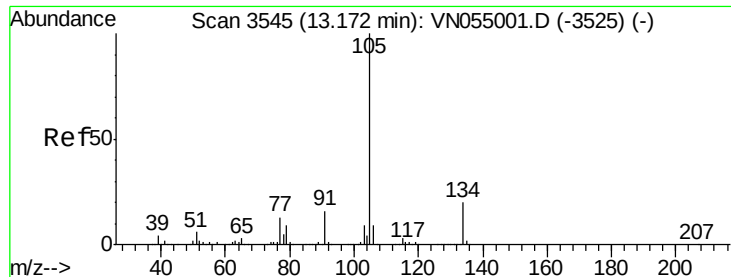
Tot Ion:119 Resp: 299402
Ion Ratio Lower Upper
119 100
91 67.4 33.3 99.8
134 26.8 12.3 36.9



#84
1,2,4-Trimethylbenzene
Concen: 20.340 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Tgt Ion:105 Resp: 337482
Ion Ratio Lower Upper
105 100
120 45.2 22.4 67.3





#85

sec-Butylbenzene

Concen: 20.657 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

ClientSampleID :

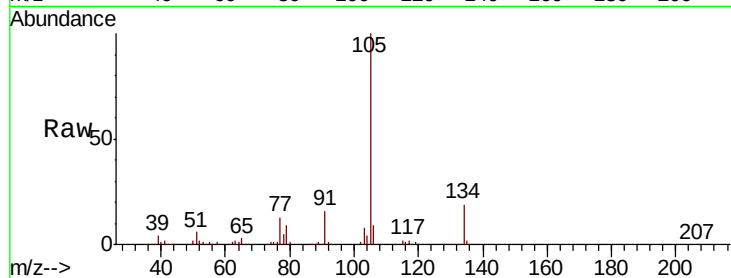
VN0413WBS01

Tot Ion:105 Resp: 390971

Ion Ratio Lower Upper

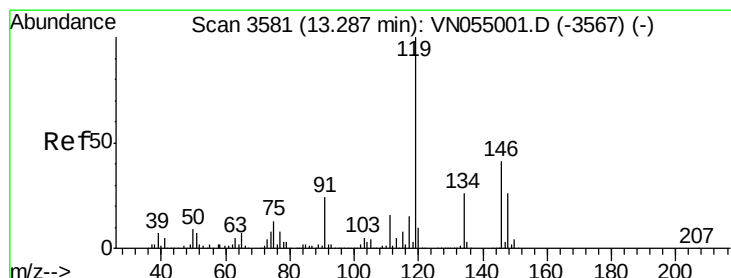
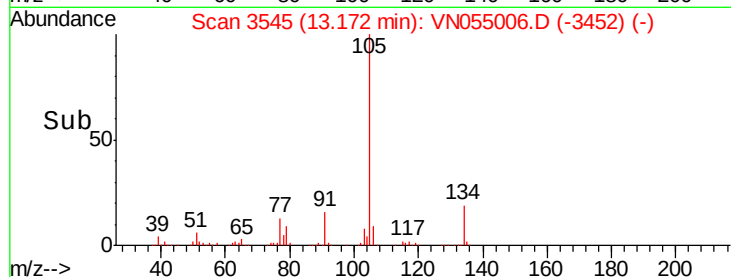
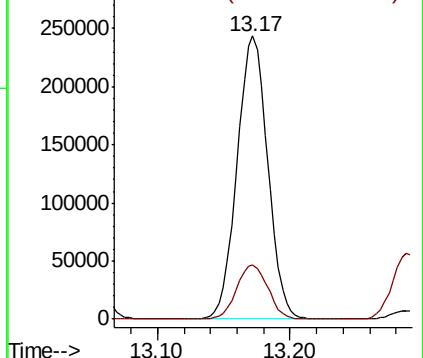
105 100

134 19.6 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.601 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

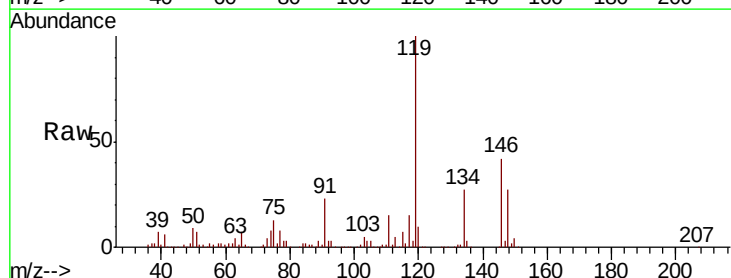
Tgt Ion:119 Resp: 339162

Ion Ratio Lower Upper

119 100

134 26.0 13.2 39.5

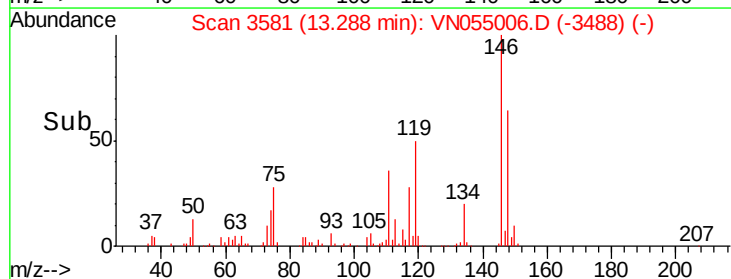
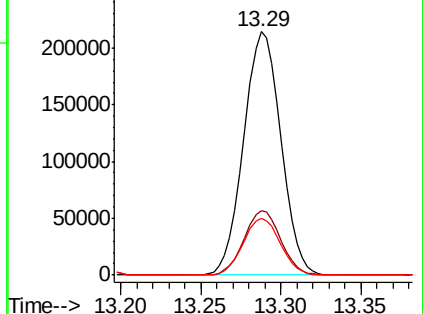
91 23.3 11.7 35.1

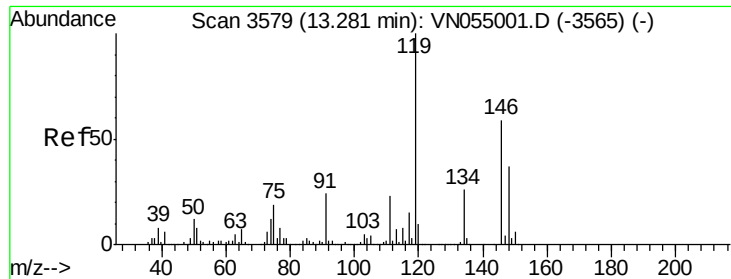


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.847 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

ClientSampled :

VN0413WBS01

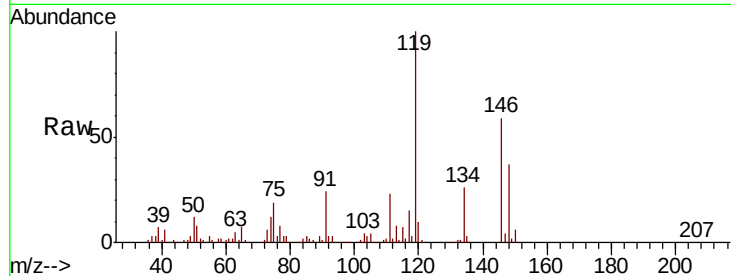
Tot Ion:146 Resp: 168536

Ion Ratio Lower Upper

146 100

111 37.7 19.5 58.5

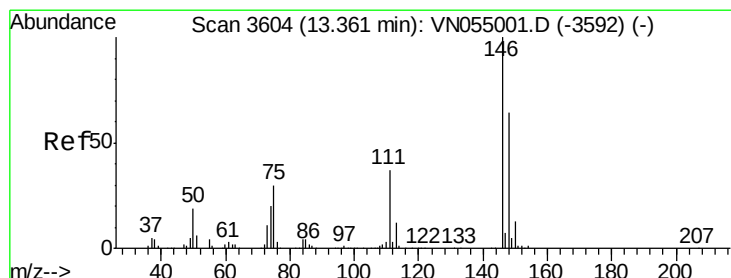
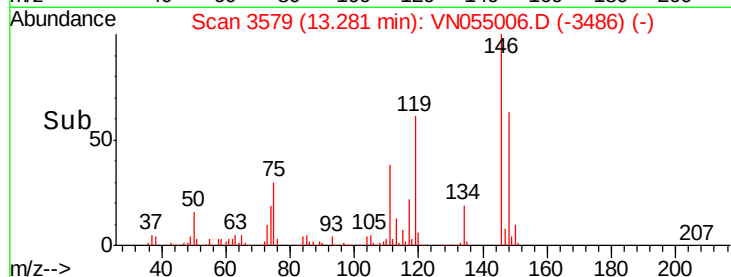
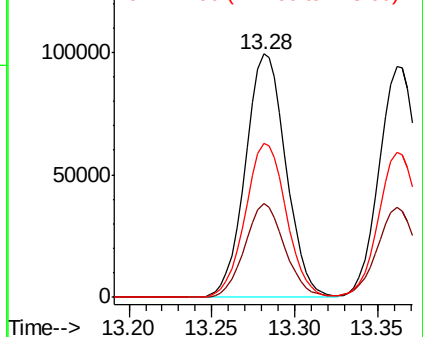
148 64.0 31.6 94.7



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: 19.541 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

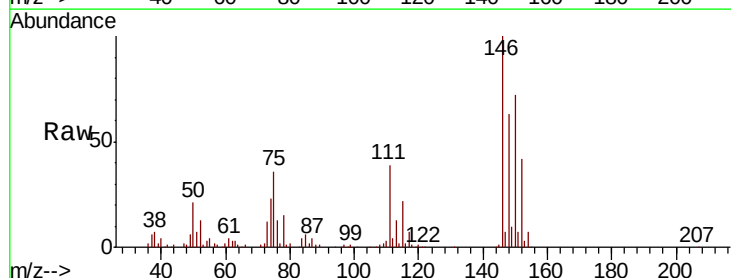
Tgt Ion:146 Resp: 158702

Ion Ratio Lower Upper

146 100

111 39.4 18.8 56.4

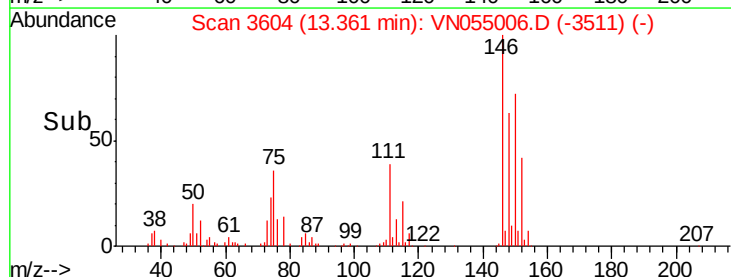
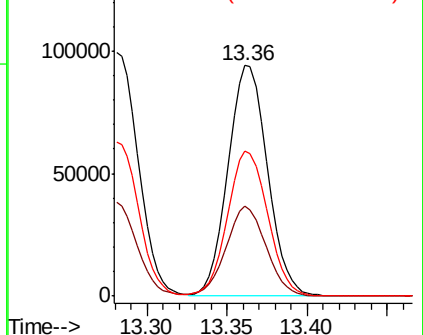
148 64.0 32.4 97.2

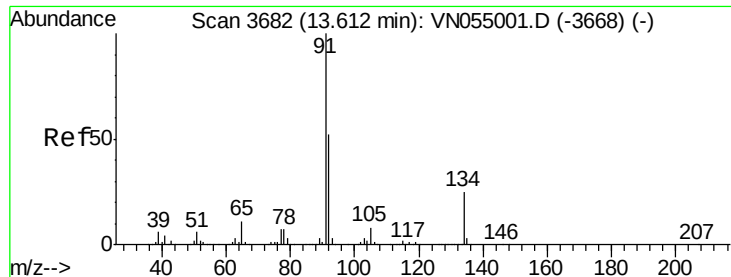


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.694 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

ClientSampled :

VN0413WBS01

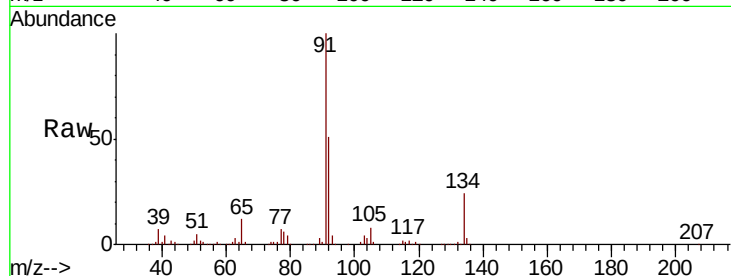
Tot Ion: 91 Resp: 254640

Ion Ratio Lower Upper

91 100

92 52.3 25.9 77.7

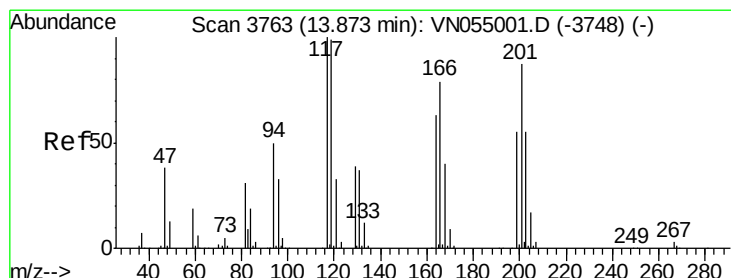
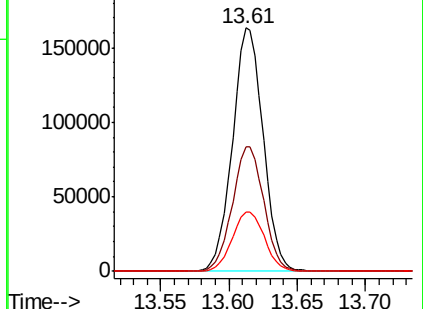
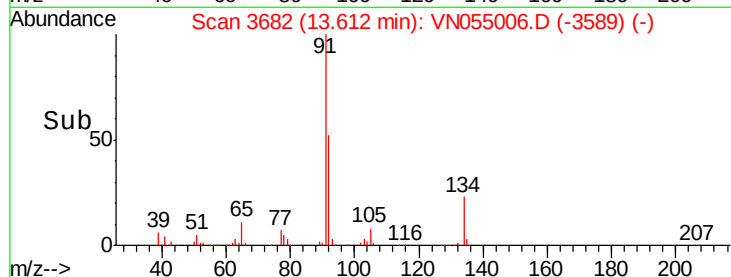
134 25.5 12.8 38.3



Abundance Ion 91.00 (90.70 to 91.70): VN055006.D (-3682) (-)

Ion 92.00 (91.70 to 92.70): VN055006.D (-3682) (-)

Ion 134.00 (133.70 to 134.70): VN055006.D (-3682) (-)



#90

Hexachloroethane

Concen: 18.903 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055006.D

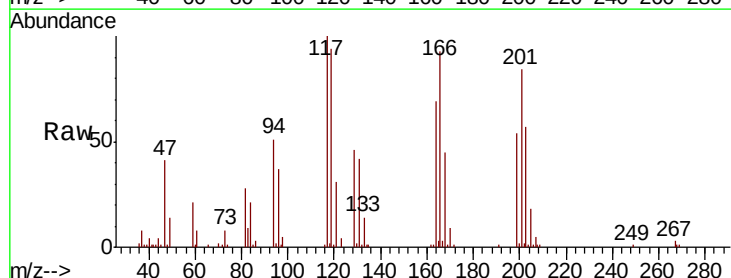
Acq: 12 Apr 2019 18:26

Tgt Ion: 117 Resp: 51424

Ion Ratio Lower Upper

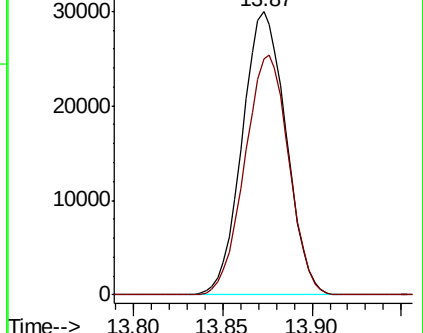
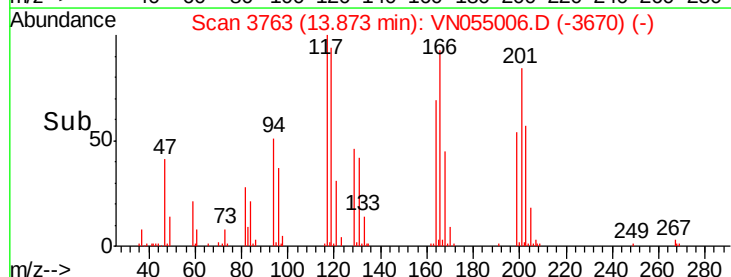
117 100

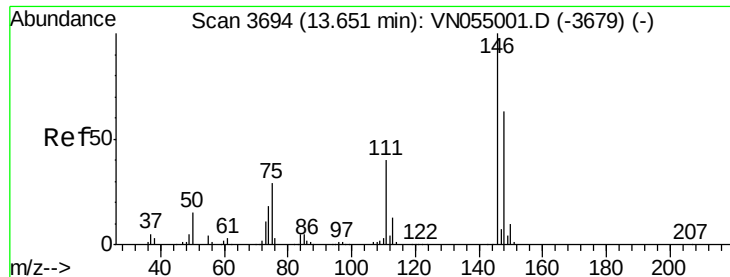
201 85.1 43.4 130.2



Abundance Ion 116.80 (116.50 to 117.50): VN055006.D (-3763) (-)

Ion 200.70 (200.40 to 201.40): VN055006.D (-3763) (-)

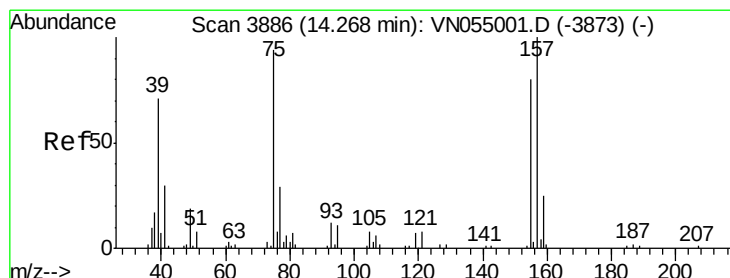
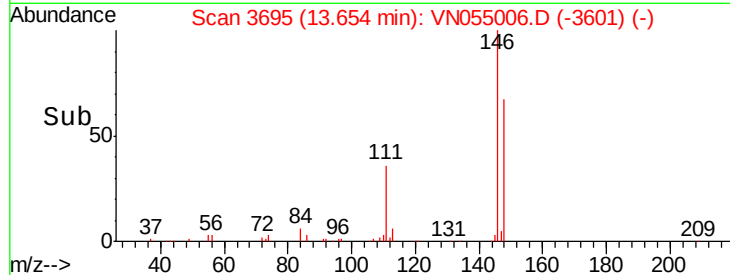
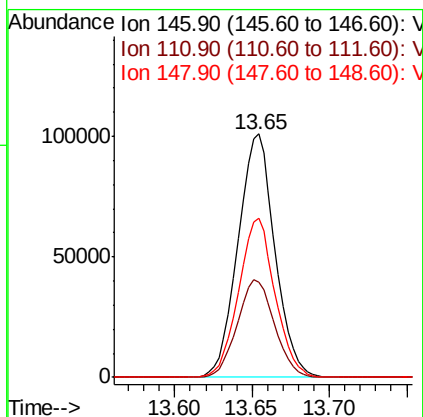
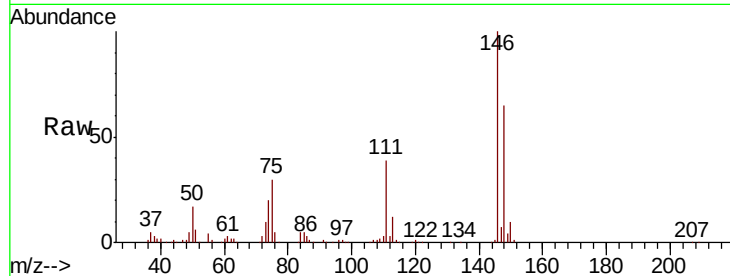




#91
 1,2-Dichlorobenzene
 Concen: 20.271 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055006.D
 Acq: 12 Apr 2019 18:26

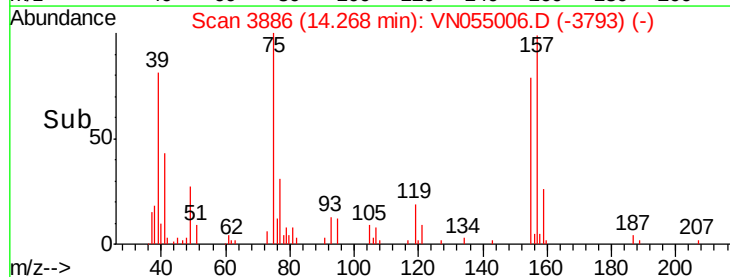
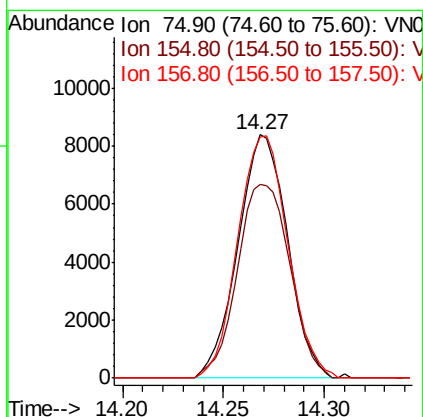
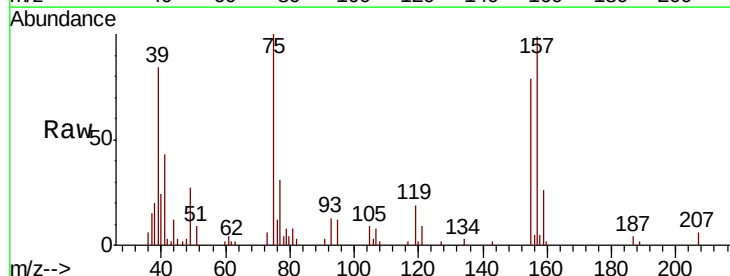
Instrument :
 MSVOA_N
 ClientSampled :
 VN0413WBS01

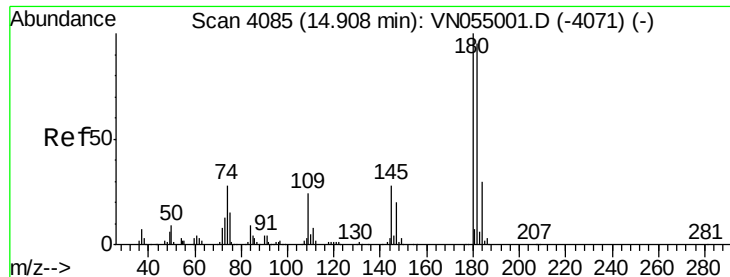
Tot Ion:146 Resp: 167101
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.3 60.9
 148 64.4 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.191 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055006.D
 Acq: 12 Apr 2019 18:26

Tgt Ion: 75 Resp: 14449
 Ion Ratio Lower Upper
 75 100
 155 84.4 42.0 126.0
 157 100.6 52.1 156.4

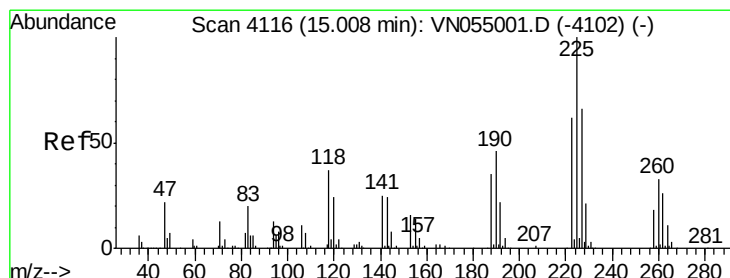
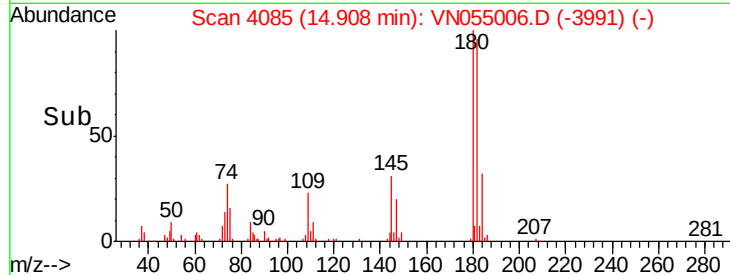
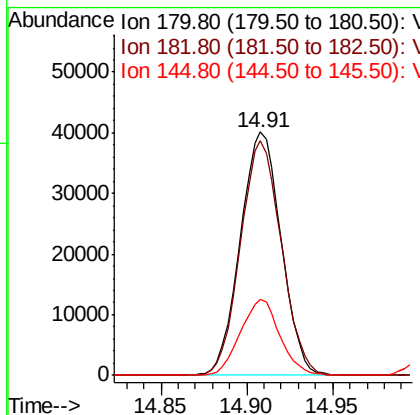
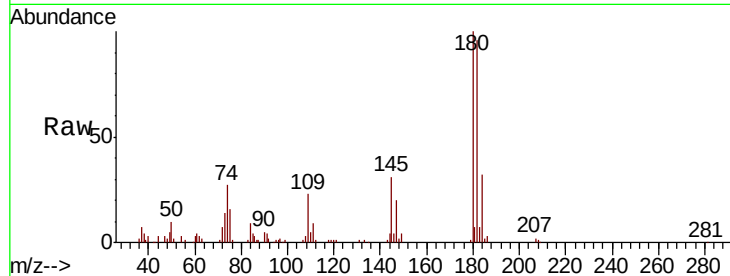




#93
 1,2,4-Trichlorobenzene
 Concen: 18.559 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055006.D
 Acq: 12 Apr 2019 18:26

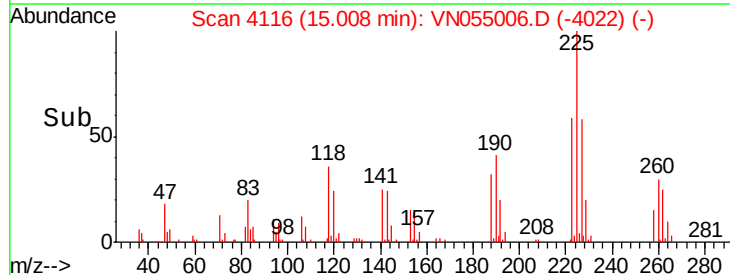
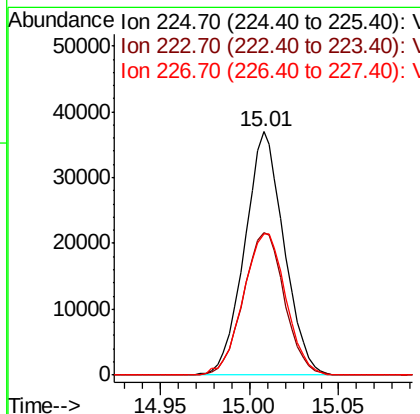
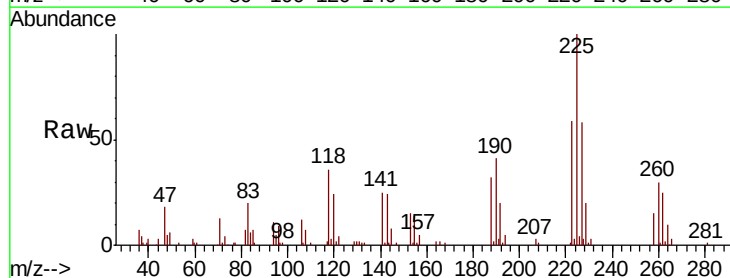
Instrument :
 MSVOA_N
 ClientSampled :
 VN0413WBS01

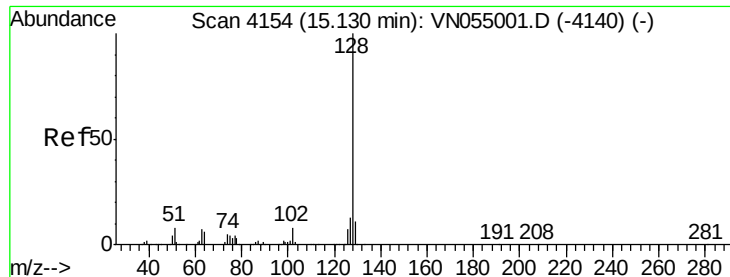
Tot Ion:180 Resp: 66202
 Ion Ratio Lower Upper
 180 100
 182 96.4 47.5 142.6
 145 30.1 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 21.906 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055006.D
 Acq: 12 Apr 2019 18:26

Tgt Ion:225 Resp: 57081
 Ion Ratio Lower Upper
 225 100
 223 61.1 31.4 94.0
 227 62.7 32.6 97.7





#95

Naphthalene

Concen: 18.579 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

ClientSampled :

VN0413WBS01

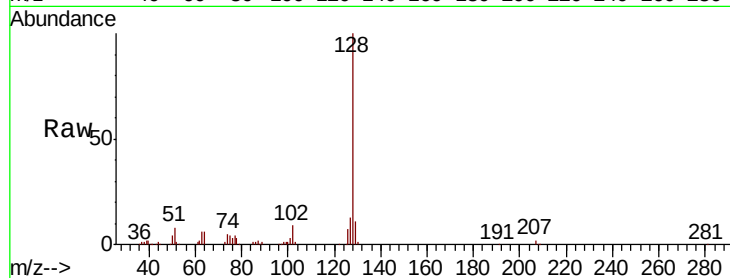
Tot Ion:128 Resp: 146540

Ion Ratio Lower Upper

128 100

127 13.3 10.1 15.1

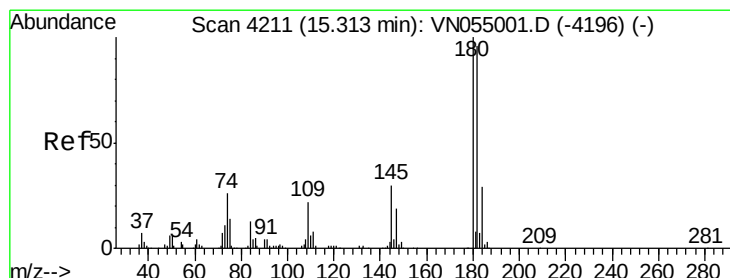
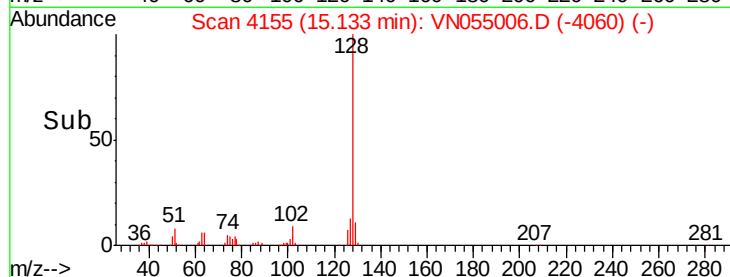
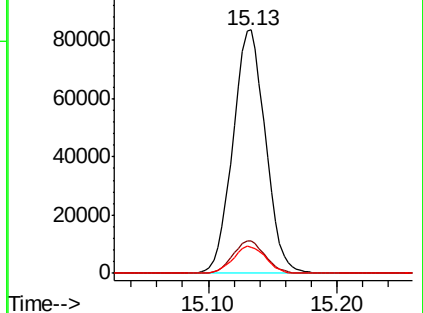
129 11.1 8.8 13.2



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: 19.107 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

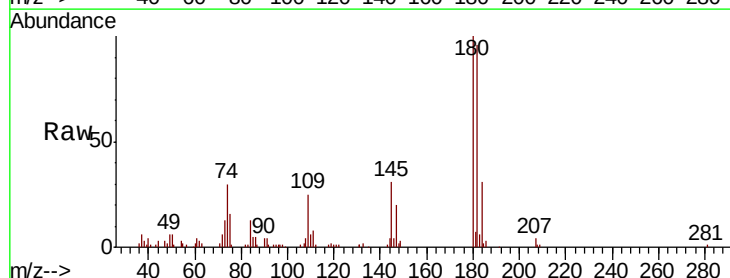
Tgt Ion:180 Resp: 71050

Ion Ratio Lower Upper

180 100

182 96.2 48.0 144.0

145 31.0 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

