

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN103018\
 Data File : VN052063.D
 Acq On : 30 Oct 2018 14:43
 Operator : MD\SY
 Sample : VN1030WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBS01

Quant Time: Oct 31 04:06:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 02:45:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	257676	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	495020	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	441341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	180531	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	194500	47.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.08%	
35) Dibromofluoromethane	7.59	113	144251	46.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.16%	
50) Toluene-d8	10.09	98	574969	46.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.90%	
62) 4-Bromofluorobenzene	12.40	95	207335	45.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.26%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	65000	20.753	ug/l	99
3) Chloromethane	2.06	50	80214	20.320	ug/l	99
4) Vinyl Chloride	2.19	62	88620	20.858	ug/l	94
5) Bromomethane	2.58	94	58274	18.284	ug/l	91
6) Chloroethane	2.71	64	56198	20.486	ug/l	100
7) Trichlorofluoromethane	3.03	101	98563	20.314	ug/l	97
8) Diethyl Ether	3.42	74	36360	20.089	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.76	101	61102	21.346	ug/l	96
10) Methyl Iodide	3.96	142	74741	19.924	ug/l	99
11) Tert butyl alcohol	4.77	59	7979	38.534	ug/l #	85
12) 1,1-Dichloroethene	3.74	96	56328	20.838	ug/l	94
13) Acrolein	3.61	56	22963	123.695	ug/l	86
14) Allyl chloride	4.33	41	102820	19.006	ug/l	94
15) Acrylonitrile	4.99	53	109579	92.570	ug/l	100
16) Acetone	3.81	43	70867	80.292	ug/l	100
17) Carbon Disulfide	4.06	76	179209	21.039	ug/l	99
18) Methyl Acetate	4.33	43	48582	17.290	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	171155	19.276	ug/l	97
20) Methylene Chloride	4.55	84	70813	21.056	ug/l	94
21) trans-1,2-Dichloroethene	5.05	96	62454	20.262	ug/l	98
22) Diisopropyl ether	5.95	45	236847	20.255	ug/l	97
23) Vinyl Acetate	5.90	43	782727	96.612	ug/l	100
24) 1,1-Dichloroethane	5.85	63	130659	19.983	ug/l	100
25) 2-Butanone	6.83	43	123713	89.365	ug/l	100
26) 2,2-Dichloropropane	6.82	77	92186	17.753	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	75239	20.440	ug/l	98
28) Bromochloromethane	7.20	49	58462	18.042	ug/l	97
29) Tetrahydrofuran	7.21	42	82637	89.600	ug/l	99
30) Chloroform	7.37	83	132606	20.318	ug/l	99
31) Cyclohexane	7.65	56	130795	19.801	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	107493	20.480	ug/l	98
36) 1,1-Dichloropropene	7.79	75	101055	20.077	ug/l	99
37) Ethyl Acetate	6.93	43	56263	16.700	ug/l #	93
38) Carbon Tetrachloride	7.77	117	86054	19.828	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	125604	21.028	ug/l	98
40) Benzene	8.04	78	285726	19.625	ug/l	98
41) Methacrylonitrile	7.18	41	34958	20.193	ug/l #	90
42) 1,2-Dichloroethane	8.12	62	98427	18.320	ug/l	99
43) Isopropyl Acetate	8.16	43	112439	18.764	ug/l	98
44) Trichloroethene	8.84	130	65399	20.086	ug/l	98
45) 1,2-Dichloropropane	9.12	63	82384	19.864	ug/l	97
46) Dibromomethane	9.21	93	43789	18.891	ug/l	99
47) Bromodichloromethane	9.40	83	95405	19.735	ug/l	99
48) Methyl methacrylate	9.20	41	55145	18.152	ug/l	99
49) 1,4-Dioxane	9.20	88	8760	360.324	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	291997	89.655	ug/l	100
52) Toluene	10.16	92	175485	19.967	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	95389	18.663	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	113364	19.972	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	60179	19.225	ug/l	98
56) Ethyl methacrylate	10.43	69	80344	17.944	ug/l	99
57) 1,3-Dichloropropane	10.71	76	107517	18.667	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	221268	92.903	ug/l	100
59) 2-Hexanone	10.75	43	190858	82.233	ug/l	99
60) Dibromochloromethane	10.90	129	59182	19.205	ug/l	96
61) 1,2-Dibromoethane	11.00	107	59818	19.223	ug/l	98
64) Tetrachloroethene	10.63	164	53953	20.179	ug/l	99
65) Chlorobenzene	11.43	112	182244	19.605	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	60781	20.824	ug/l	99
67) Ethyl Benzene	11.51	91	339852	20.502	ug/l	99
68) m/p-Xylenes	11.62	106	250090	42.150	ug/l	99
69) o-Xylene	11.95	106	125373	21.354	ug/l	98
70) Styrene	11.96	104	194095	20.431	ug/l	97
71) Bromoform	12.13	173	30968	17.969	ug/l #	97
73) Isopropylbenzene	12.25	105	319987	20.727	ug/l	98
74) N-amyl acetate	12.07	43	99198	18.412	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	70263	18.980	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	90232	27.304	ug/l #	100
77) Bromobenzene	12.53	156	64241	19.888	ug/l	99
78) n-propylbenzene	12.59	91	388700	20.779	ug/l	99
79) 2-Chlorotoluene	12.67	91	223647	20.509	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	261264	20.797	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	15825	15.894	ug/l	86
82) 4-Chlorotoluene	12.77	91	235809	21.206	ug/l	97
83) tert-Butylbenzene	12.99	119	215716	20.441	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	269147	21.524	ug/l	98
85) sec-Butylbenzene	13.17	105	319599	21.200	ug/l	99
86) p-Isopropyltoluene	13.29	119	254139	20.699	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	117701	19.981	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	117374	19.881	ug/l	97
89) n-Butylbenzene	13.61	91	236506	20.199	ug/l	99
90) Hexachloroethane	13.88	117	40595	19.294	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	114011	20.586	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10594	20.408	ug/l	92

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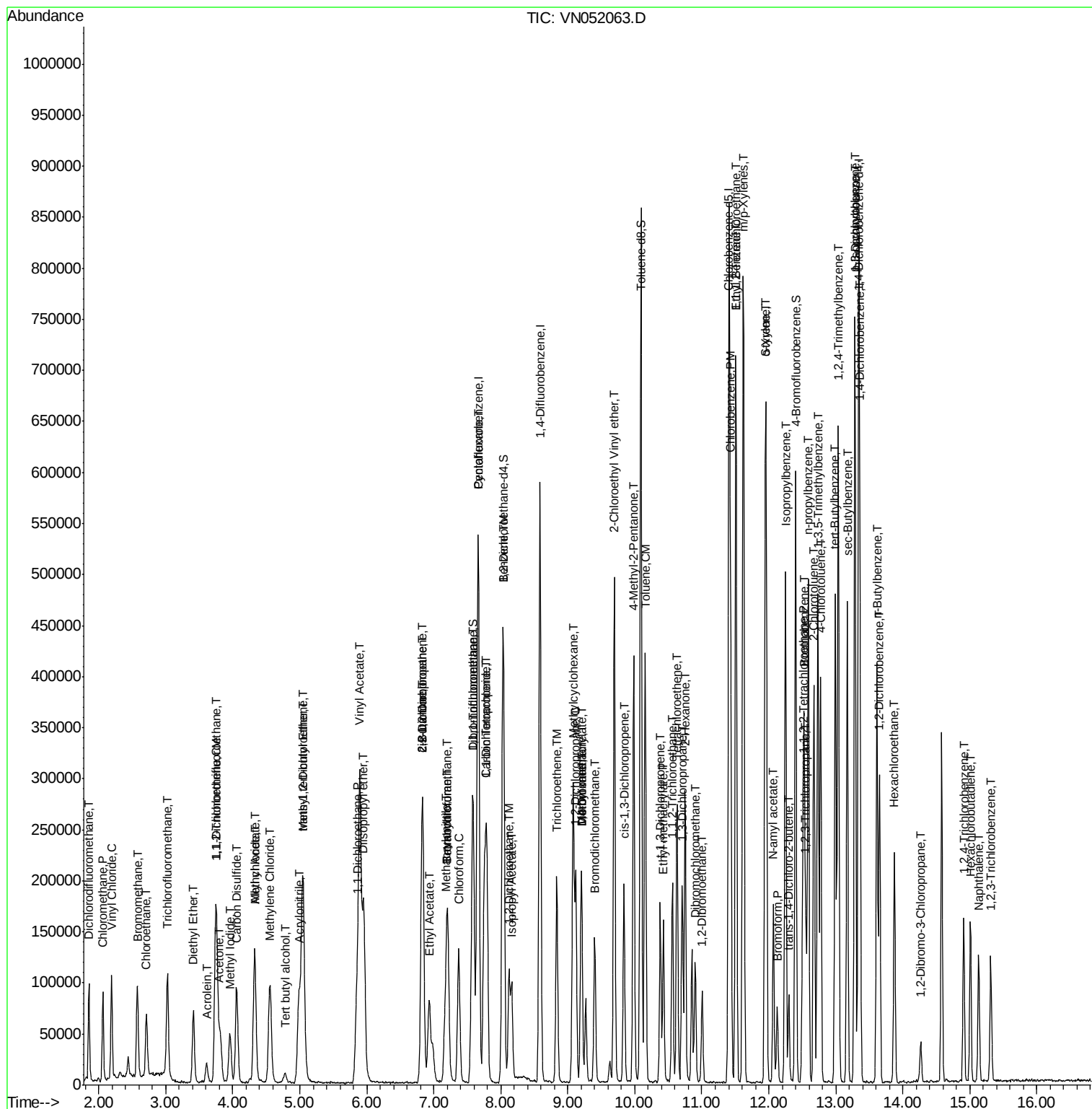
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	42693	20.702	ug/l	98
94) Hexachlorobutadiene	15.01	225	24251	21.010	ug/l	97
95) Naphthalene	15.13	128	99766	19.287	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	37136	20.867	ug/l	97

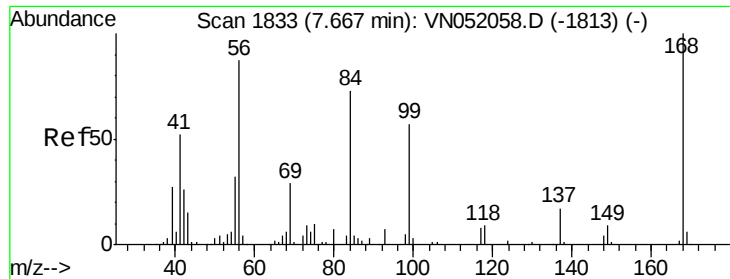
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN103018\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Instrument :

MSVOA_N

ClientSampleId :

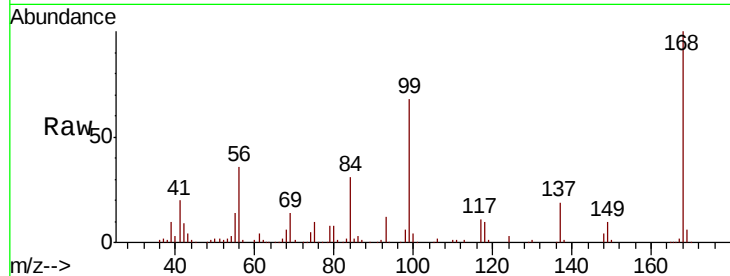
VN1030WBS01

Tgt Ion:168 Resp: 257676

Ion Ratio Lower Upper

168 100

99 68.3 56.6 85.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

120000

100000

80000

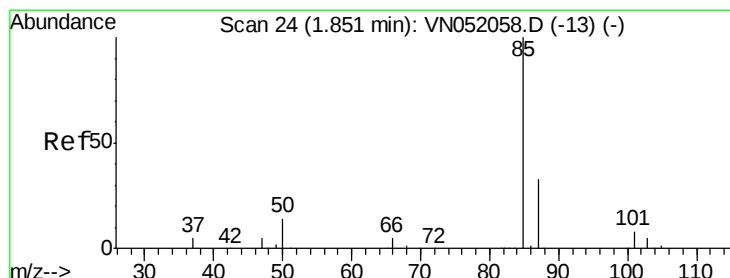
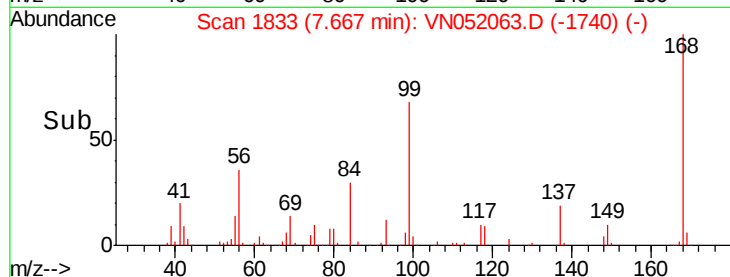
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.753 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052063.D

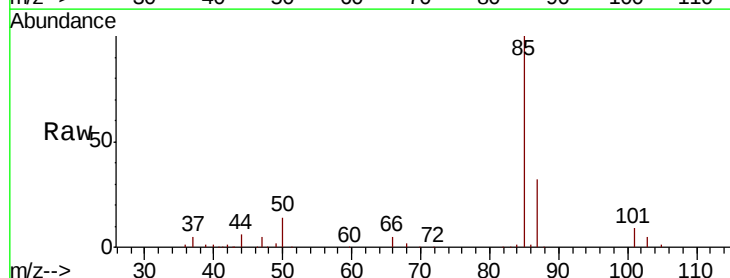
Acq: 30 Oct 2018 14:43

Tgt Ion: 85 Resp: 65000

Ion Ratio Lower Upper

85 100

87 32.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

50000

40000

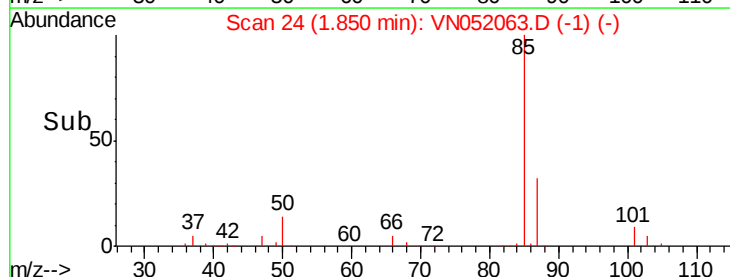
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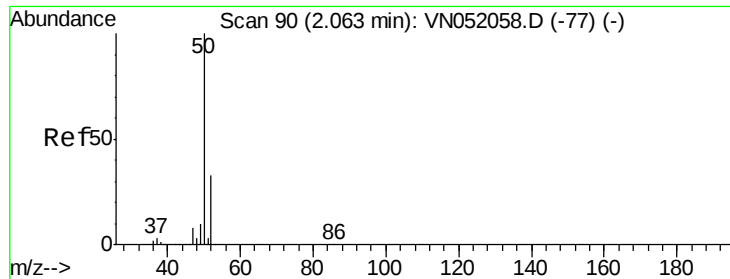
20000

10000

0

Time-->





#3

Chloromethane

Concen: 20.320 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Instrument :

MSVOA_N

ClientSampleId :

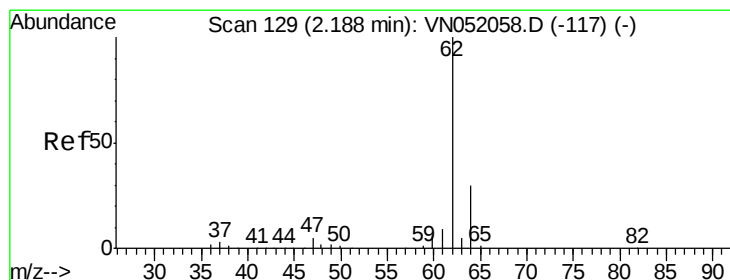
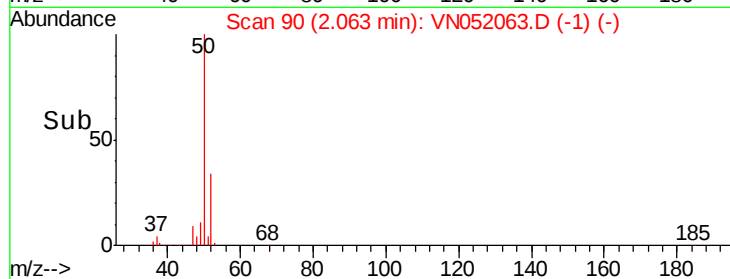
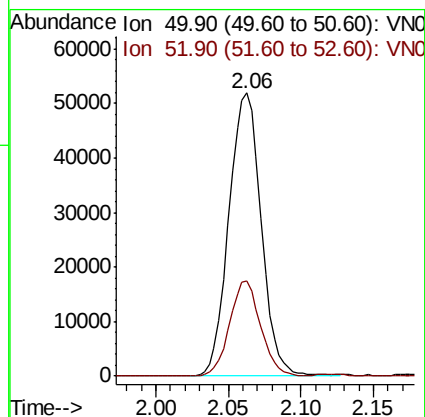
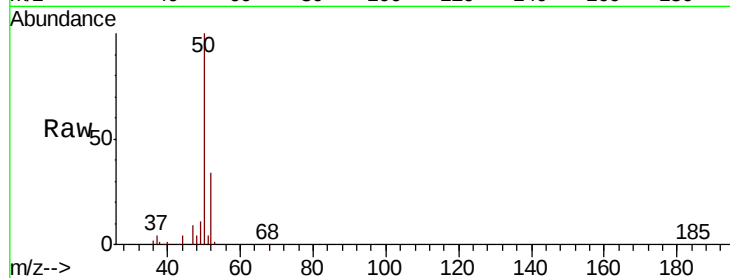
VN1030WBS01

Tgt Ion: 50 Resp: 80214

Ion Ratio Lower Upper

50 100

52 33.5 26.6 39.8



#4

Vinyl Chloride

Concen: 20.858 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052063.D

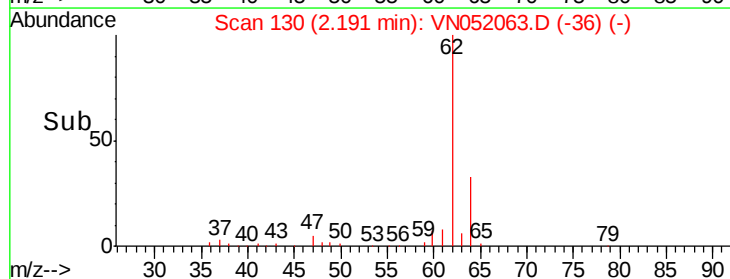
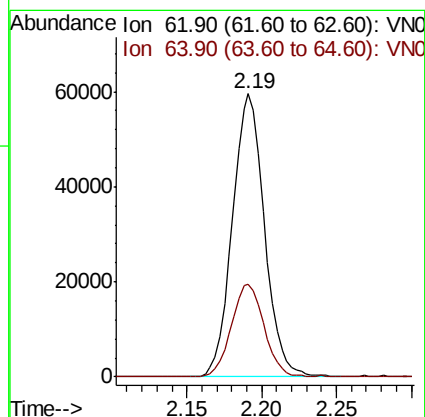
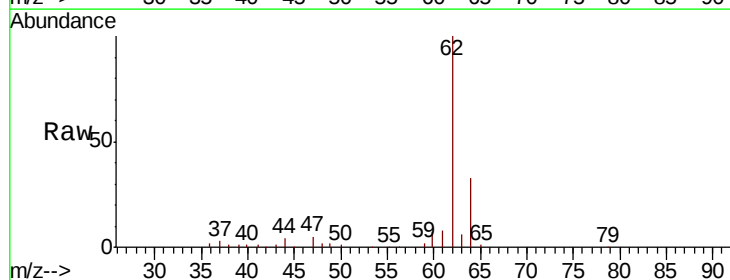
Acq: 30 Oct 2018 14:43

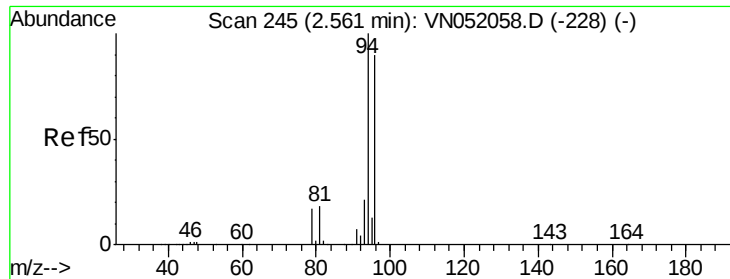
Tgt Ion: 62 Resp: 88620

Ion Ratio Lower Upper

62 100

64 32.9 23.7 35.5





#5

Bromomethane

Concen: 18.284 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.02 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Instrument :

MSVOA_N

ClientSampleId :

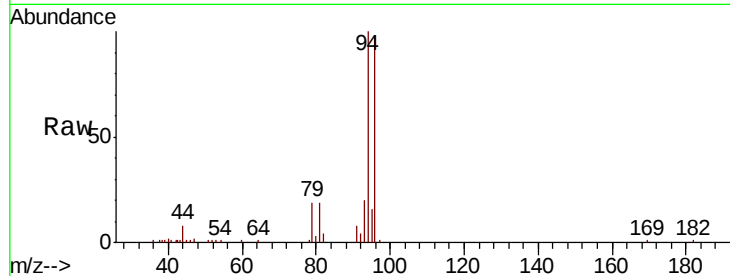
VN1030WBS01

Tgt Ion: 94 Resp: 58274

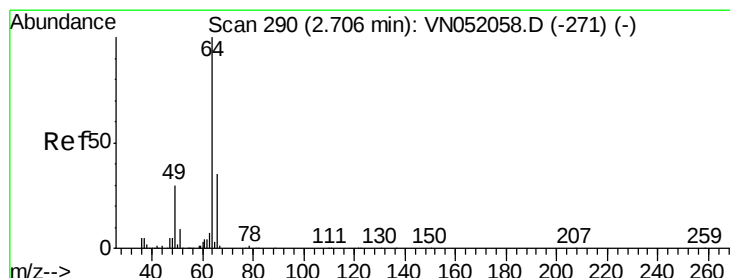
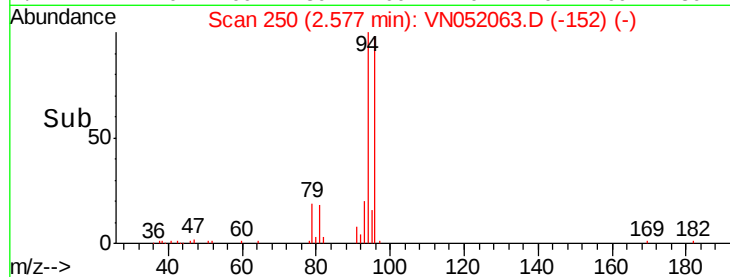
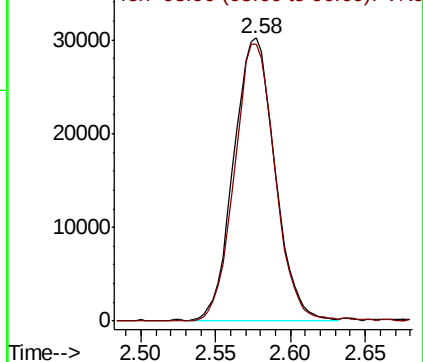
Ion Ratio Lower Upper

94 100

96 97.7 71.8 107.6



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 20.486 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052063.D

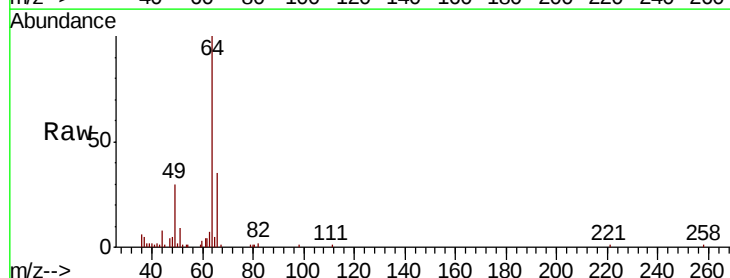
Acq: 30 Oct 2018 14:43

Tgt Ion: 64 Resp: 56198

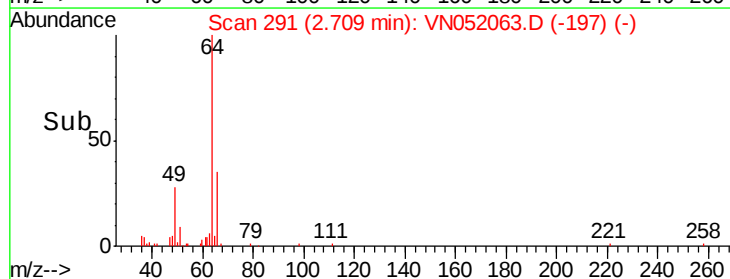
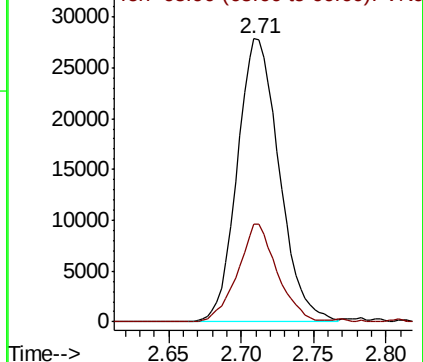
Ion Ratio Lower Upper

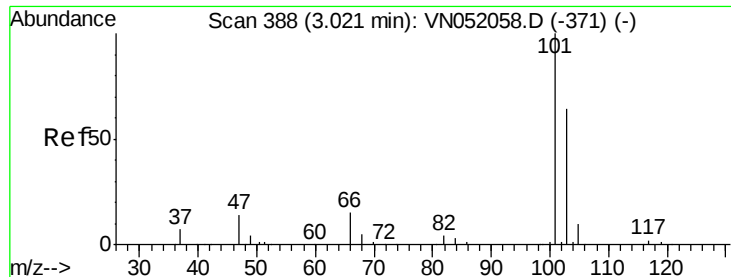
64 100

66 34.7 27.9 41.9



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO



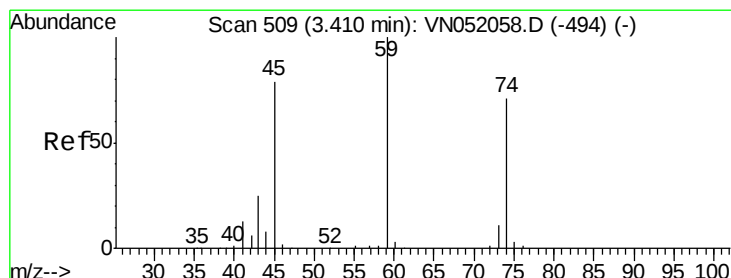
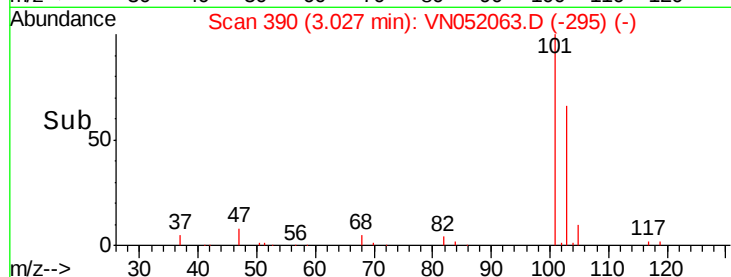
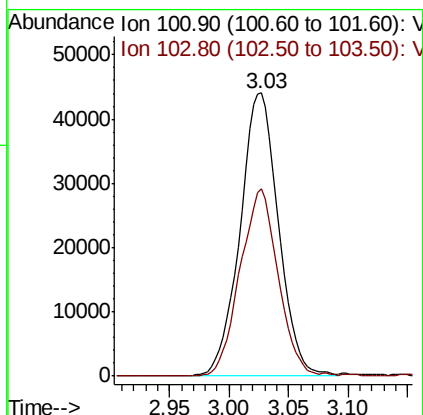
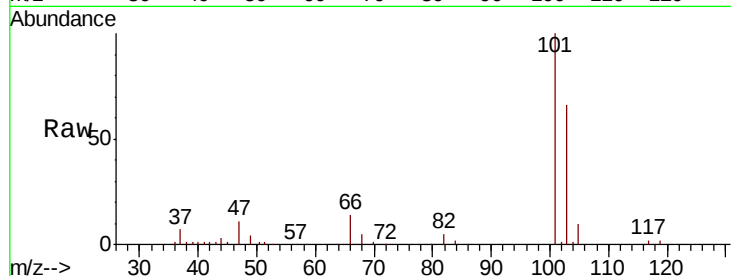


#7

Trichlorofluoromethane
Concen: 20.314 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.01 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Instrument :
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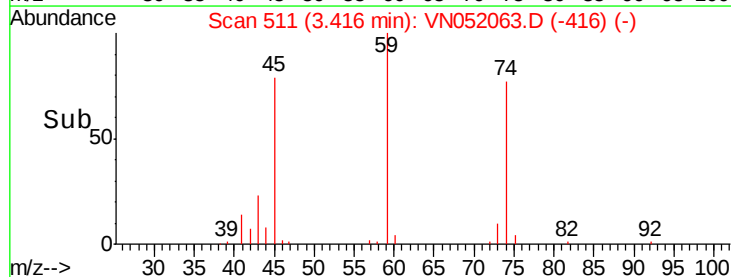
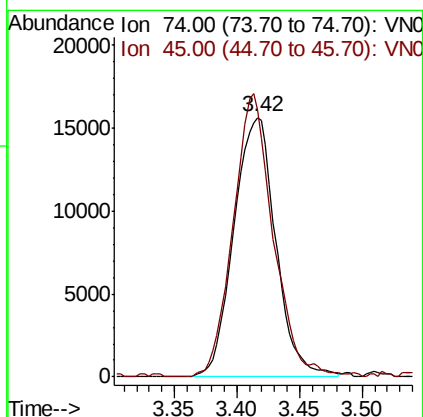
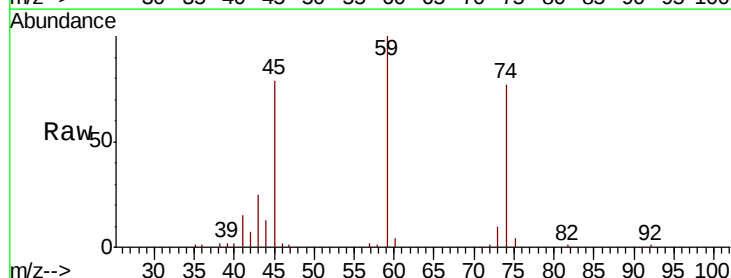
Tgt Ion:101 Resp: 98563
Ion Ratio Lower Upper
101 100
103 66.4 51.0 76.4

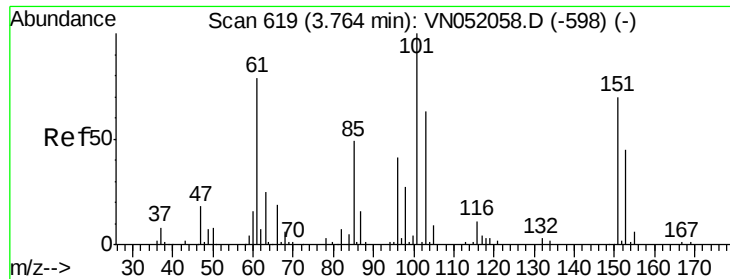


#8

Diethyl Ether
Concen: 20.089 ug/l
RT: 3.42 min Scan# 511
Delta R.T. 0.01 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Tgt Ion: 74 Resp: 36360
Ion Ratio Lower Upper
74 100
45 104.4 55.6 166.8

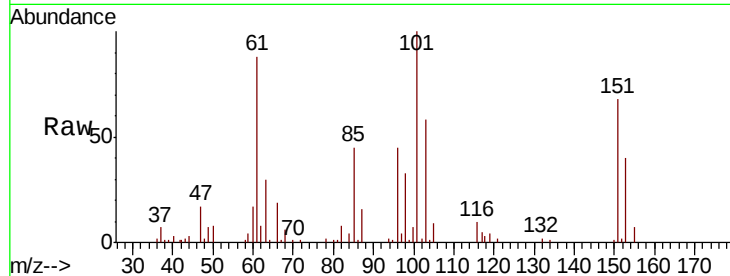




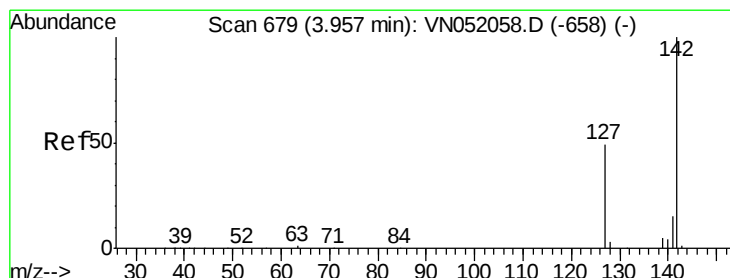
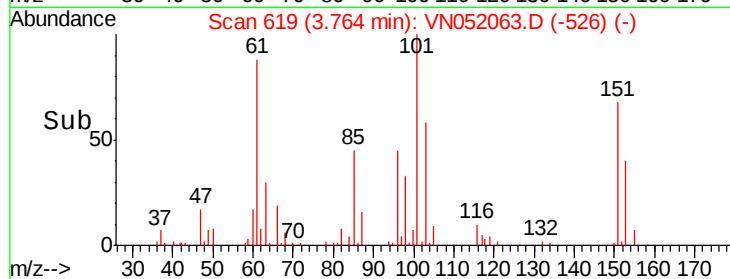
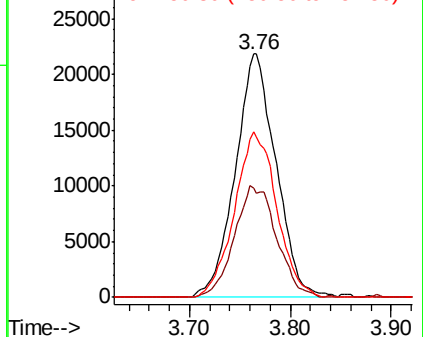
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.346 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. -0.00 min
 Lab File: VN052063.D
 Acq: 30 Oct 2018 14:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBS01

Tgt Ion:101 Resp: 61102
 Ion Ratio Lower Upper
 101 100
 85 47.6 38.6 58.0
 151 70.4 52.6 78.8

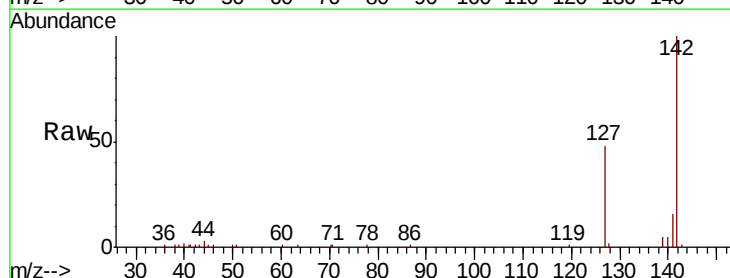


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

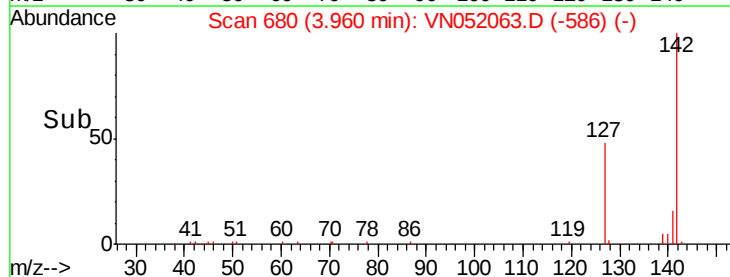
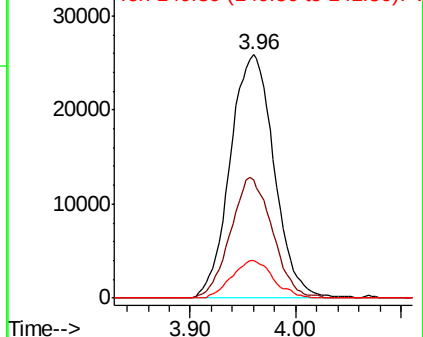


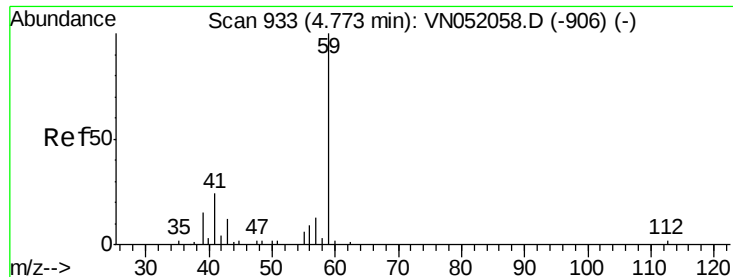
#10
 Methyl Iodide
 Concen: 19.924 ug/l
 RT: 3.96 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: VN052063.D
 Acq: 30 Oct 2018 14:43

Tgt Ion:142 Resp: 74741
 Ion Ratio Lower Upper
 142 100
 127 47.2 37.3 55.9
 141 14.6 11.4 17.2



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

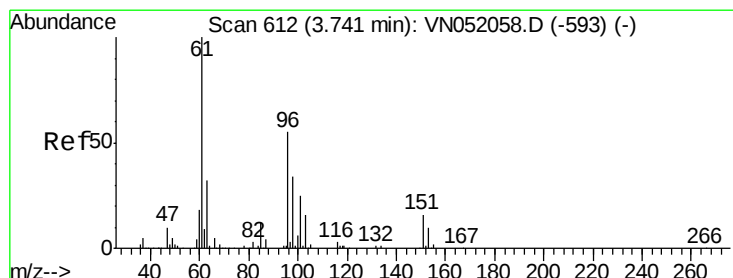
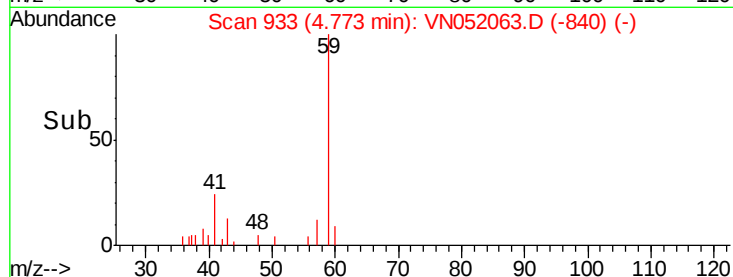
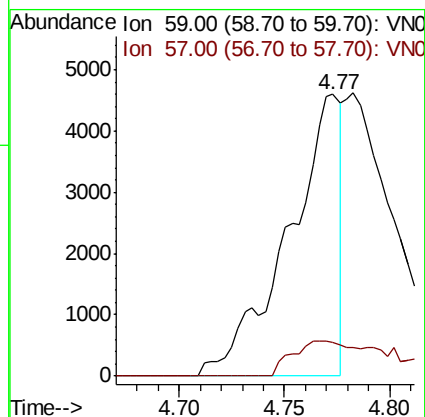
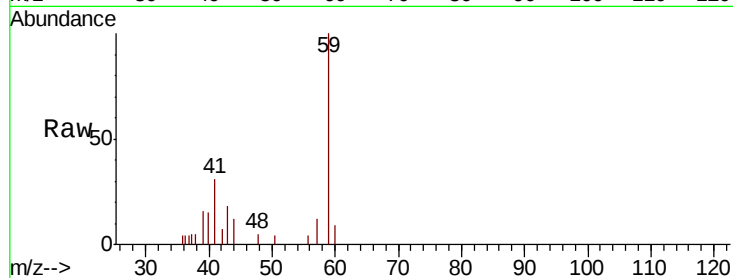




#11
Tert butyl alcohol
Concen: 38.534 ug/l
RT: 4.77 min Scan# 933
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

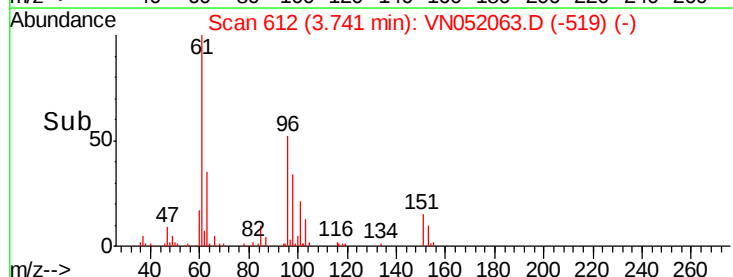
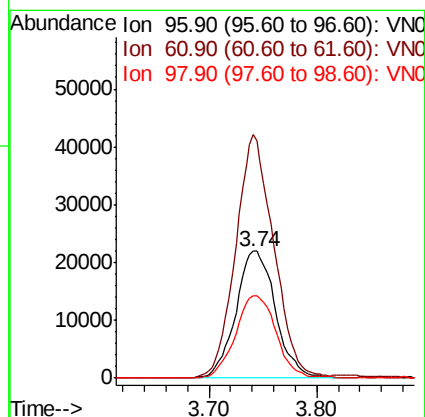
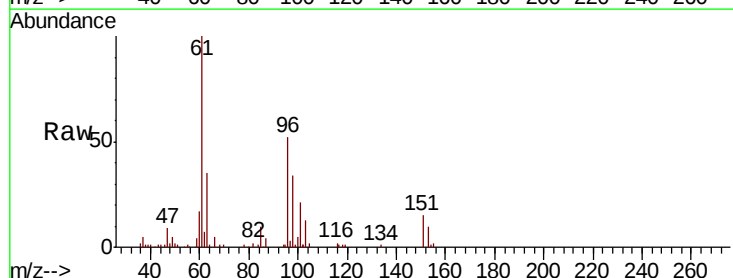
Instrument :
MSVOA_N
ClientSampleId :
VN1030WBS01

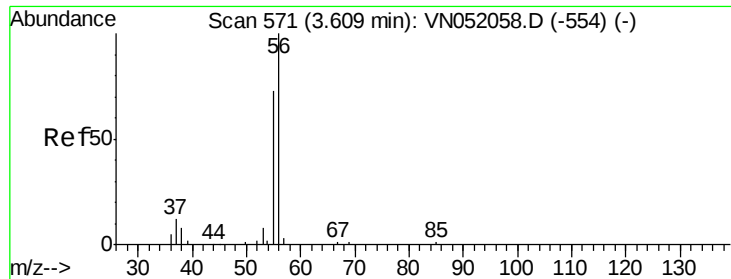
Tgt Ion: 59 Resp: 7979
Ion Ratio Lower Upper
59 100
57 14.3 7.0 10.6#



#12
1,1-Dichloroethene
Concen: 20.838 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Tgt Ion: 96 Resp: 56328
Ion Ratio Lower Upper
96 100
61 191.7 145.7 218.5
98 64.8 49.8 74.8





#13

Acrolein

Concen: 123.695 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Instrument :

MSVOA_N

ClientSampleId :

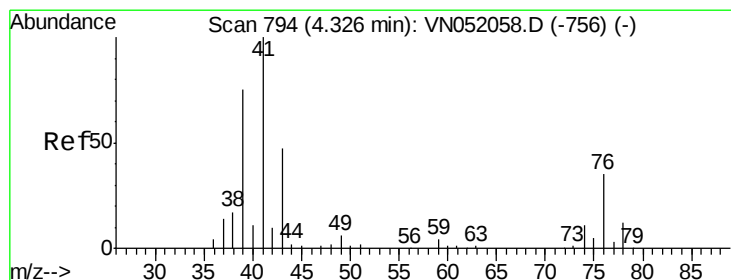
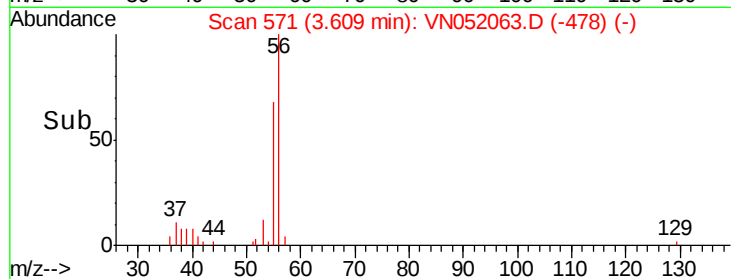
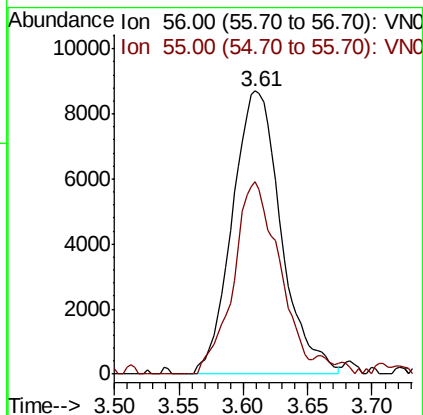
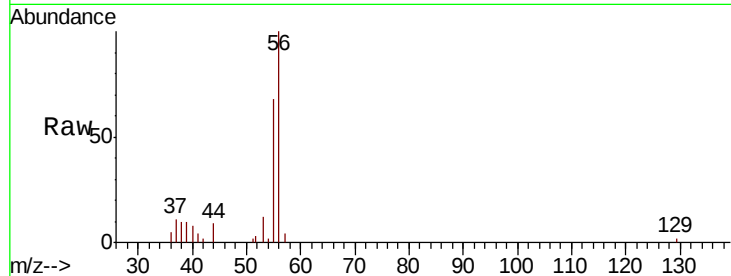
VN1030WBS01

Tgt Ion: 56 Resp: 22963

Ion Ratio Lower Upper

56 100

55 63.2 59.9 89.9



#14

Allyl chloride

Concen: 19.006 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

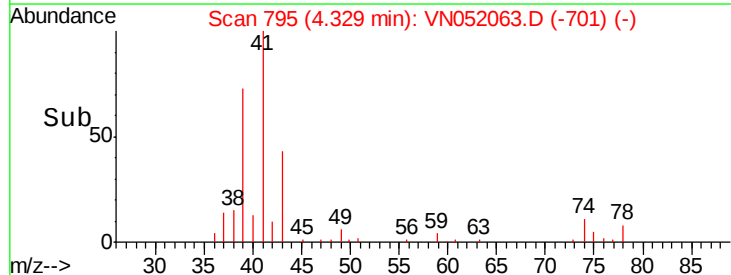
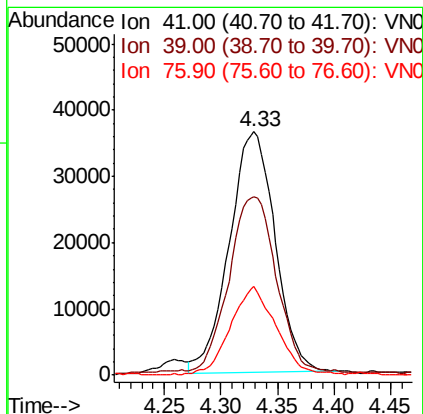
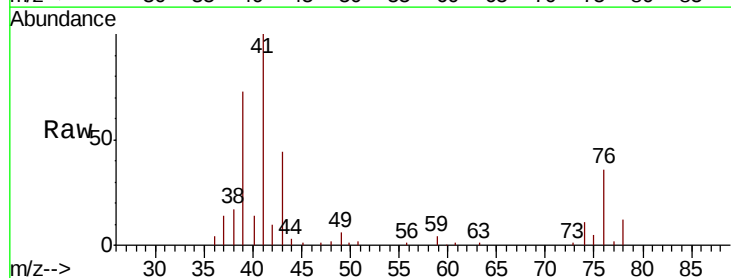
Tgt Ion: 41 Resp: 102820

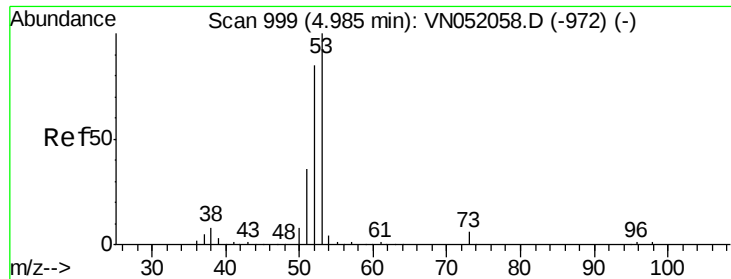
Ion Ratio Lower Upper

41 100

39 77.0 58.1 87.1

76 36.6 26.0 39.0





#15

Acrylonitrile

Concen: 92.570 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBS01

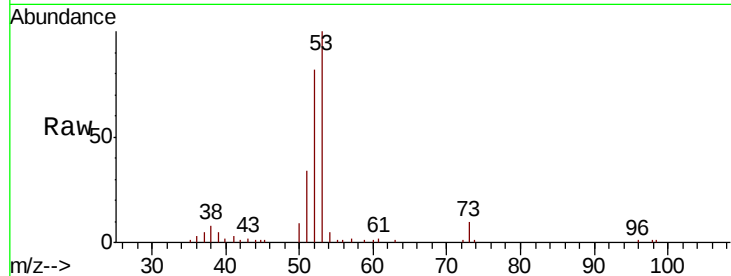
Tgt Ion: 53 Resp: 109579

Ion Ratio Lower Upper

53 100

52 83.4 66.6 100.0

51 37.1 29.0 43.6



Abundance Ion 53.00 (52.70 to 53.70): VN052058.D (-972) (-)

Ion 52.00 (51.70 to 52.70): VN052058.D (-972) (-)

Ion 51.00 (50.70 to 51.70): VN052058.D (-972) (-)

4.99

30000

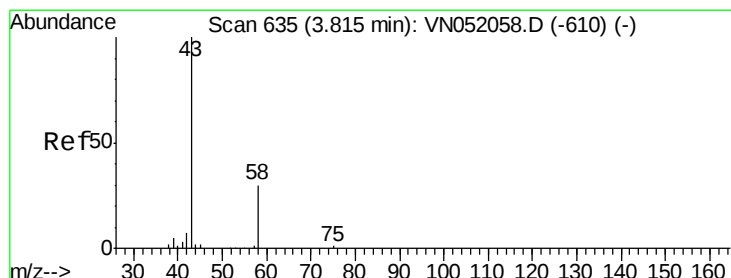
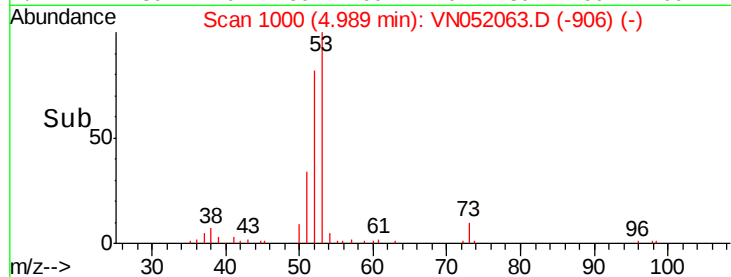
20000

10000

0

4.90 5.00 5.10

Time-->



#16

Acetone

Concen: 80.292 ug/l

RT: 3.81 min Scan# 633

Delta R.T. -0.01 min

Lab File: VN052063.D

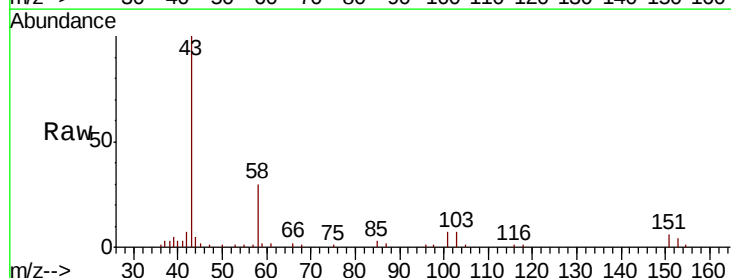
Acq: 30 Oct 2018 14:43

Tgt Ion: 43 Resp: 70867

Ion Ratio Lower Upper

43 100

58 30.2 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VN052058.D (-610) (-)

Ion 58.00 (57.70 to 58.70): VN052058.D (-610) (-)

3.81

30000

25000

20000

15000

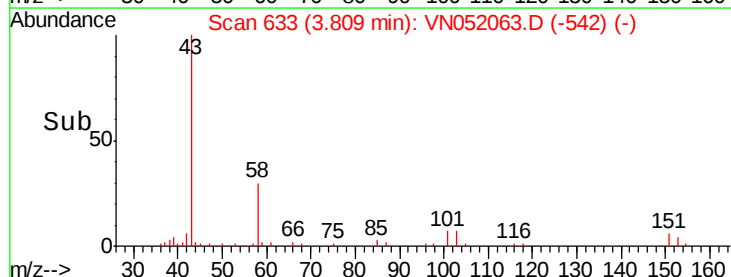
10000

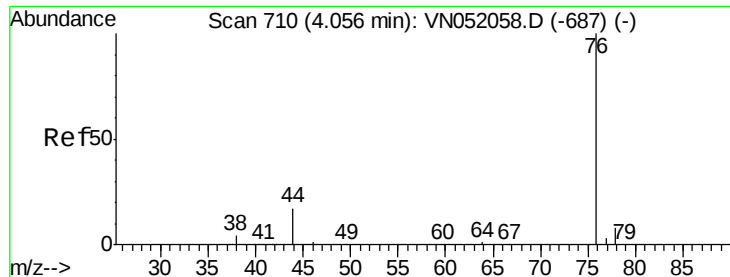
5000

0

3.70 3.80 3.90

Time-->

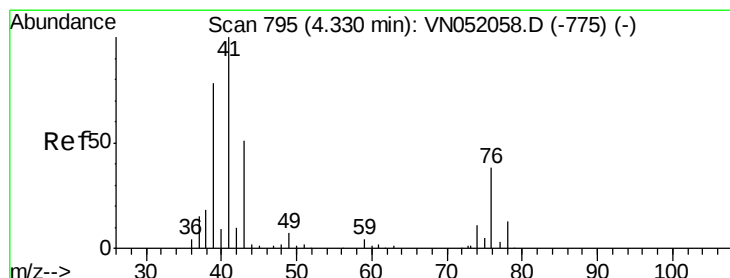
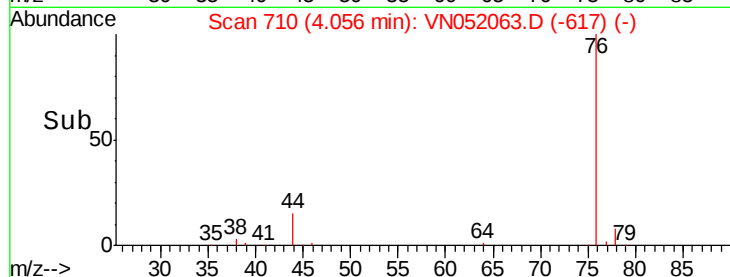
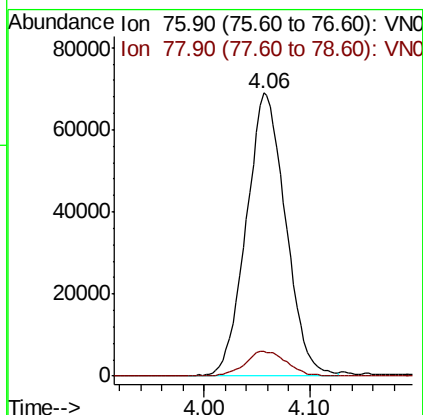
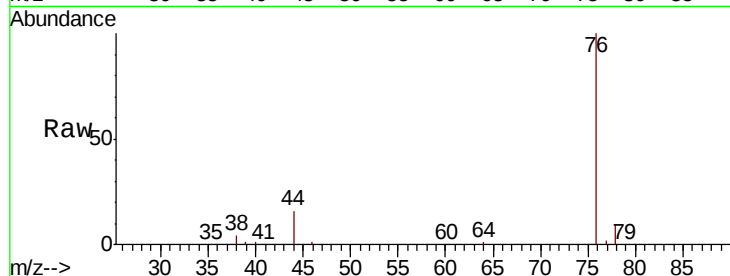




#17
Carbon Disulfide
Concen: 21.039 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

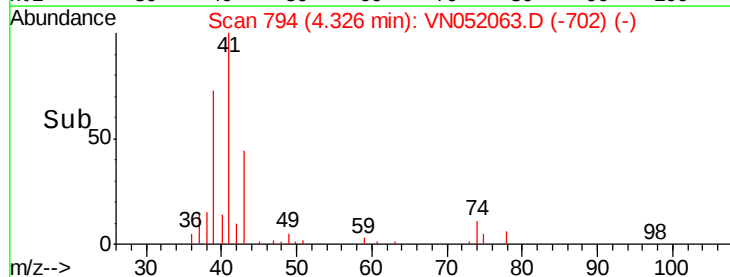
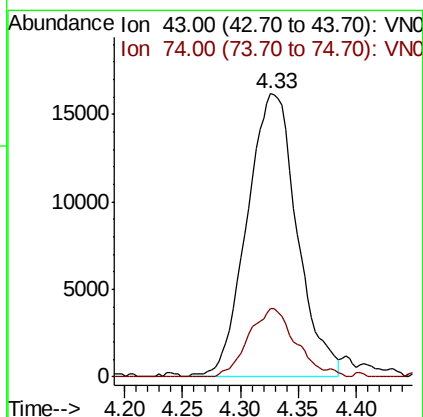
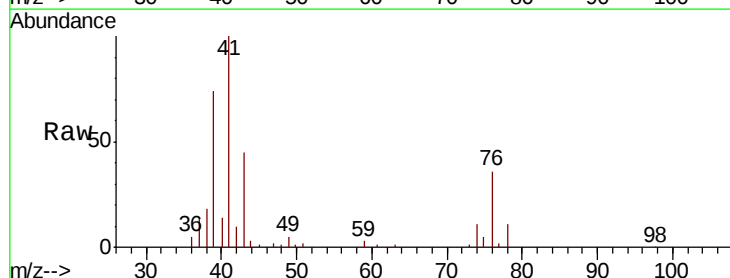
Instrument :
MSVOA_N
ClientSampleId :
VN1030WBS01

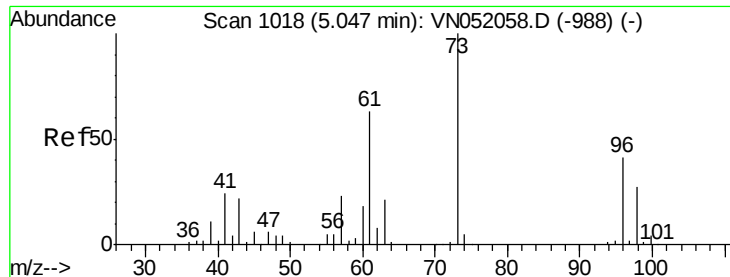
Tgt Ion: 76 Resp: 179209
Ion Ratio Lower Upper
76 100
78 8.7 6.8 10.2



#18
Methyl Acetate
Concen: 17.290 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Tgt Ion: 43 Resp: 48582
Ion Ratio Lower Upper
43 100
74 22.9 17.9 26.9

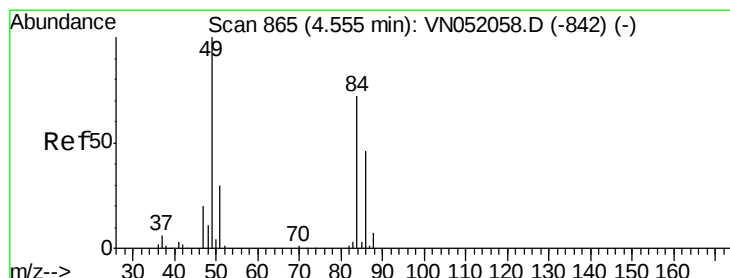
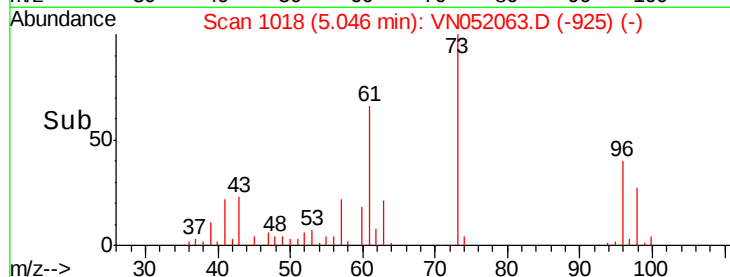
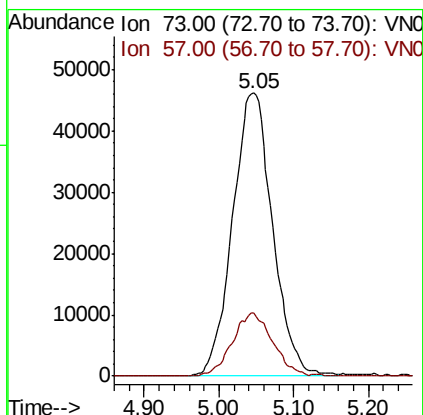
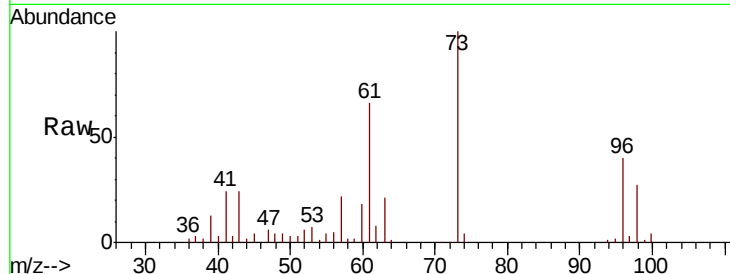




#19
Methyl tert-butyl Ether
Concen: 19.276 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

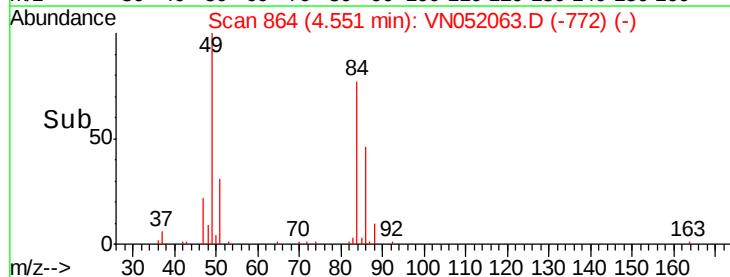
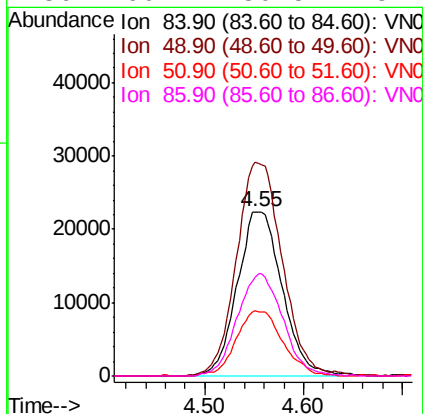
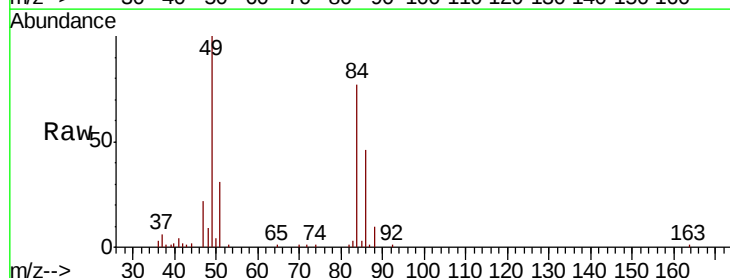
Instrument :
MSVOA_N
ClientSampleId :
VN1030WBS01

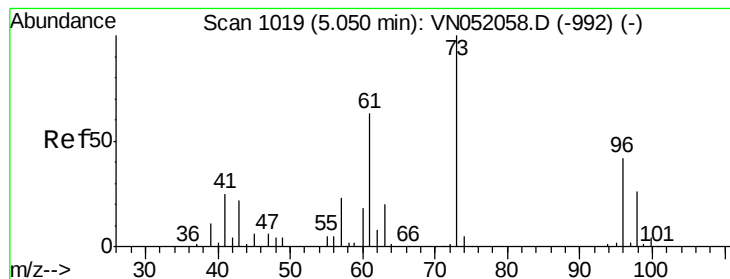
Tgt Ion: 73 Resp: 171155
Ion Ratio Lower Upper
73 100
57 22.1 18.7 28.1



#20
Methylene Chloride
Concen: 21.056 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Tgt Ion: 84 Resp: 70813
Ion Ratio Lower Upper
84 100
49 129.1 110.6 165.8
51 39.7 33.7 50.5
86 60.1 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 20.262 ug/l

RT: 5.05 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBS01

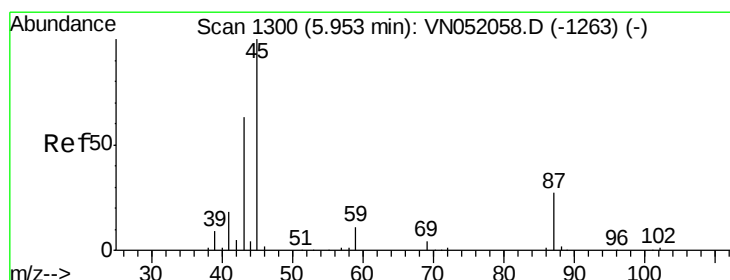
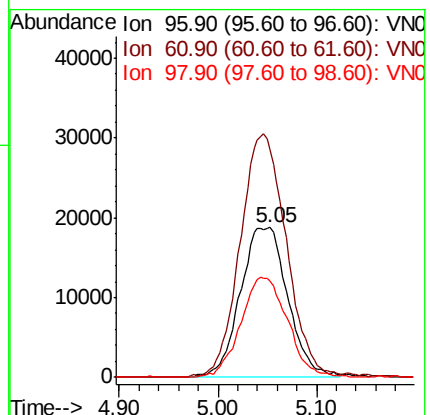
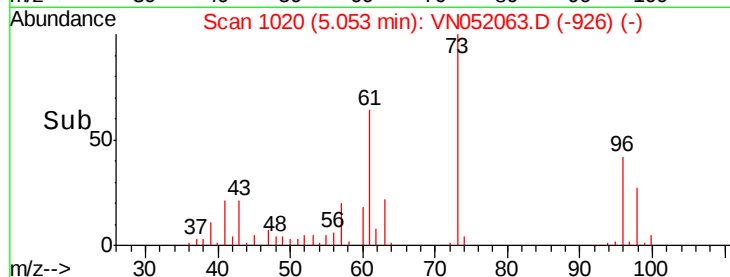
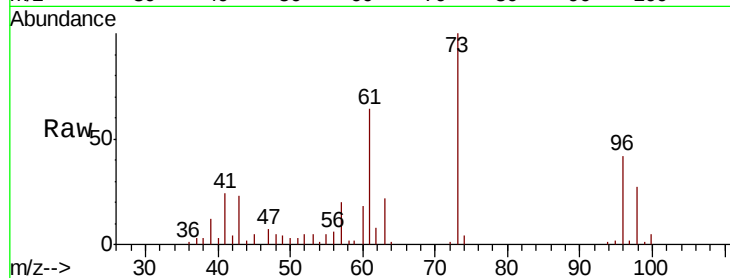
Tgt Ion: 96 Resp: 62454

Ion Ratio Lower Upper

96 100

61 150.6 118.6 178.0

98 64.4 49.7 74.5



#22

Diisopropyl ether

Concen: 20.255 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Tgt Ion: 45 Resp: 236847

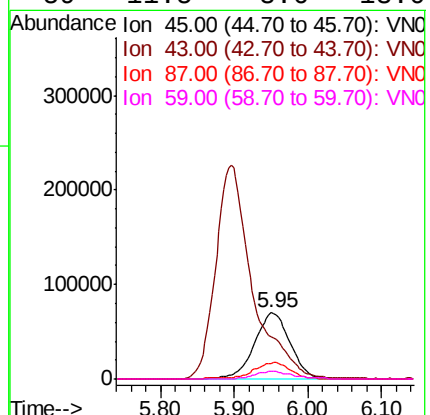
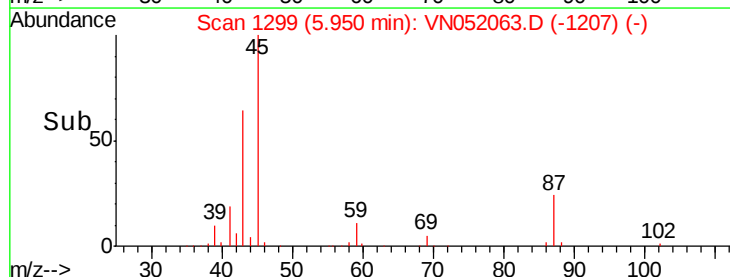
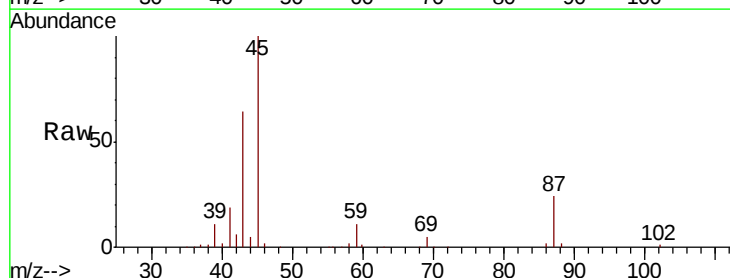
Ion Ratio Lower Upper

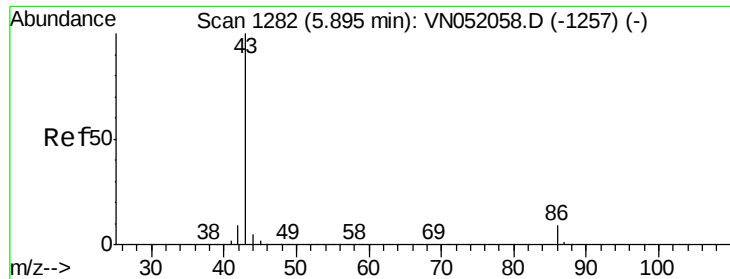
45 100

43 61.3 50.5 75.7

87 23.7 21.5 32.3

59 11.5 8.6 13.0





#23

Vinyl Acetate

Concen: 96.612 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Instrument :

MSVOA_N

ClientSampleId :

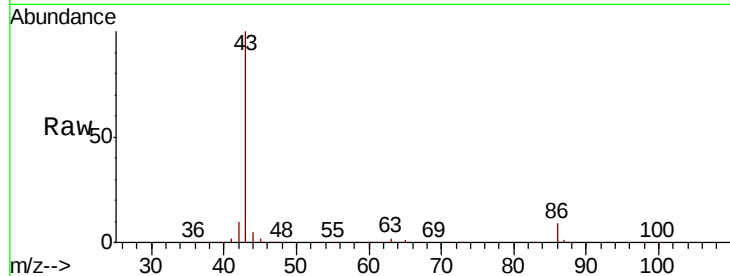
VN1030WBS01

Tgt Ion: 43 Resp: 782727

Ion Ratio Lower Upper

43 100

86 9.2 7.3 10.9



Abundance Ion 43.00 (42.70 to 43.70): VN052058.D (-1257) (-)

Ion 86.00 (85.70 to 86.70): VN052058.D (-1257) (-)

5.90

250000

200000

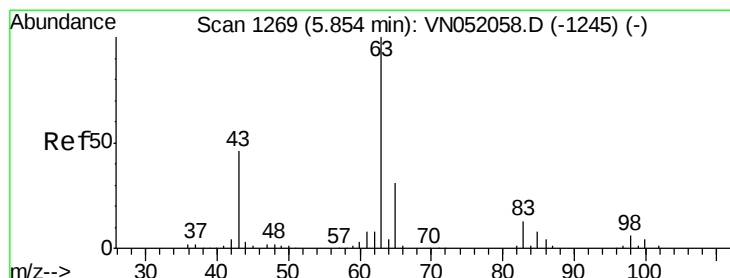
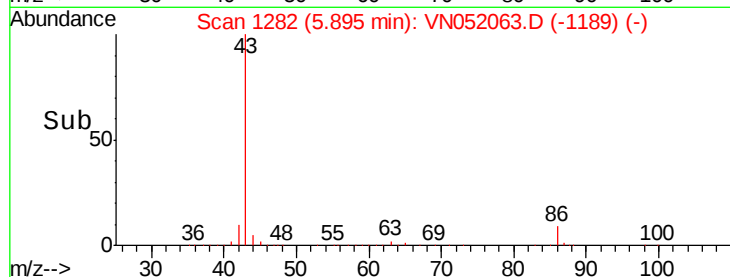
150000

100000

50000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 19.983 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

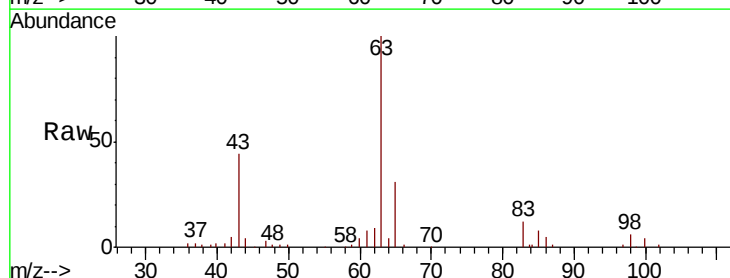
Tgt Ion: 63 Resp: 130659

Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.4

100 3.8 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN052058.D (-1245) (-)

Ion 97.90 (97.60 to 98.60): VN052058.D (-1245) (-)

Ion 99.90 (99.60 to 100.60): VN052058.D (-1245) (-)

5.85

50000

40000

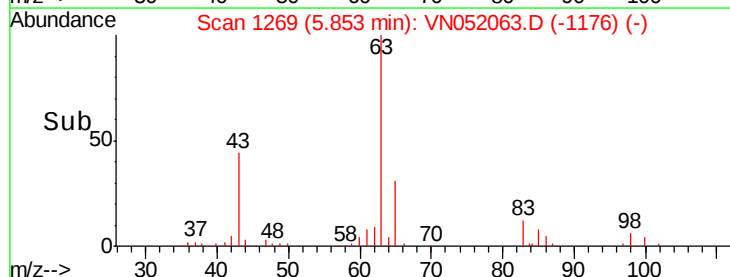
30000

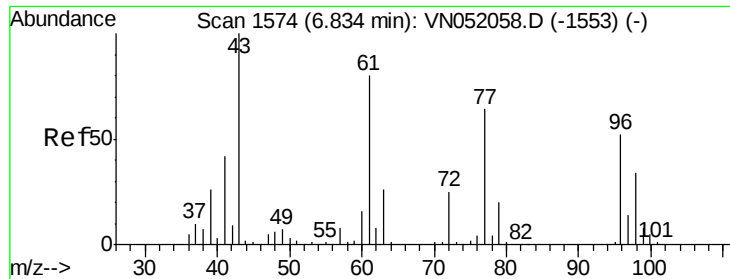
20000

10000

0

Time--> 5.70 5.80 5.90 6.00

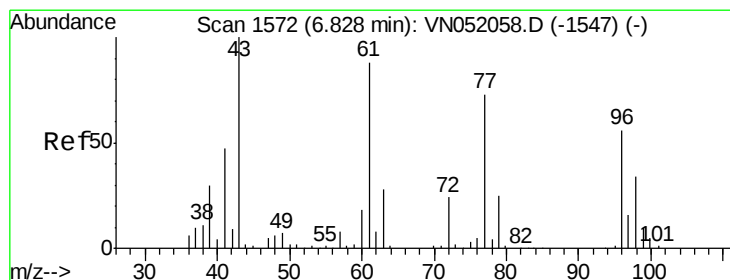
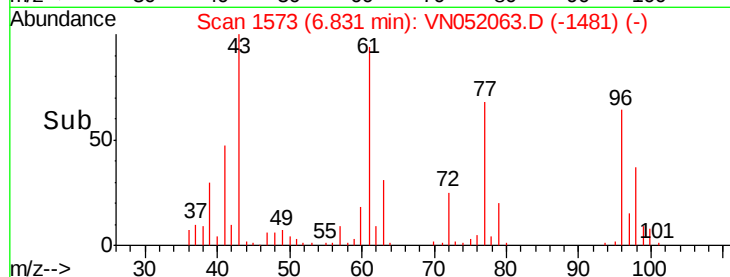
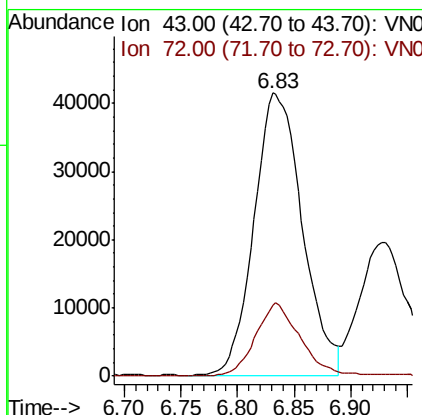
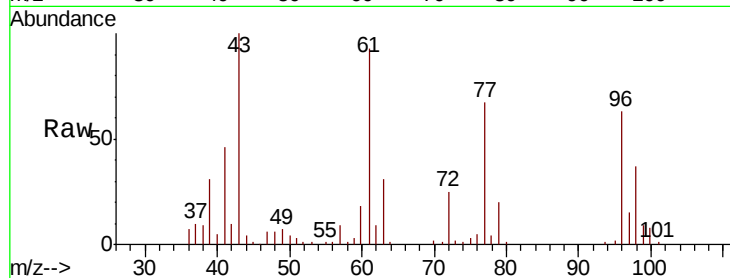




#25
2-Butanone
Concen: 89.365 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

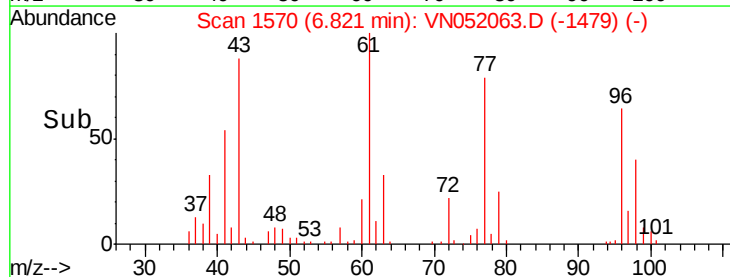
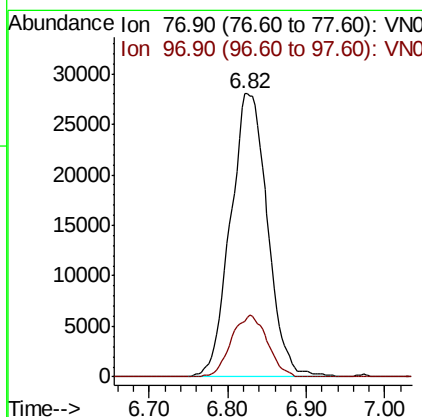
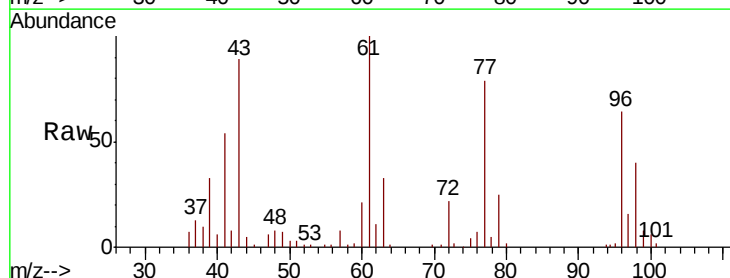
Instrument :
MSVOA_N
ClientSampleId :
VN1030WBS01

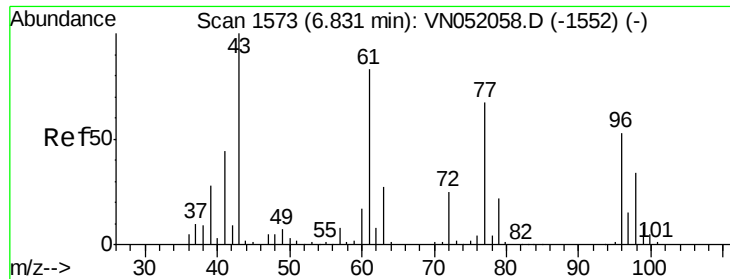
Tgt Ion: 43 Resp: 123713
Ion Ratio Lower Upper
43 100
72 25.1 20.2 30.2



#26
2,2-Dichloropropane
Concen: 17.753 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.01 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Tgt Ion: 77 Resp: 92186
Ion Ratio Lower Upper
77 100
97 21.3 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 20.440 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBS01

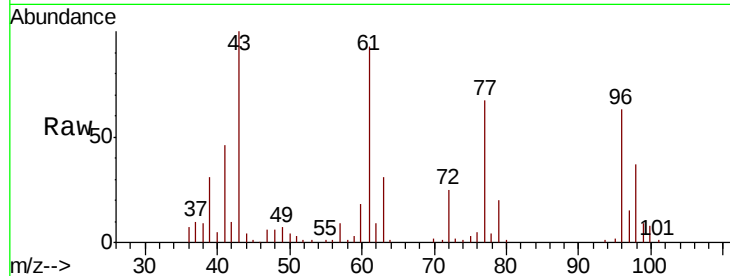
Tgt Ion: 96 Resp: 75239

Ion Ratio Lower Upper

96 100

61 154.0 0.0 312.8

98 62.5 0.0 127.0

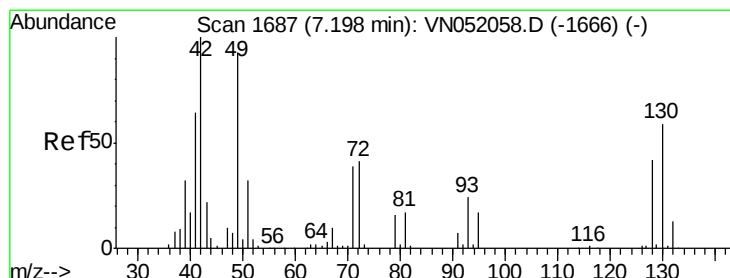
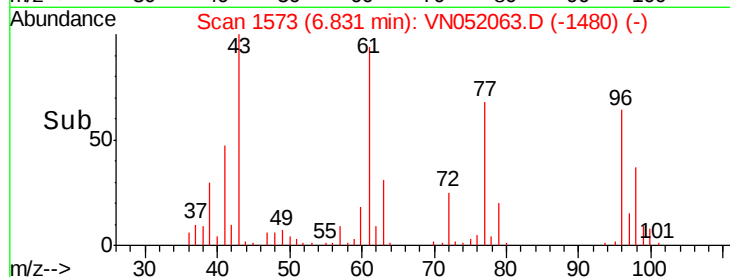
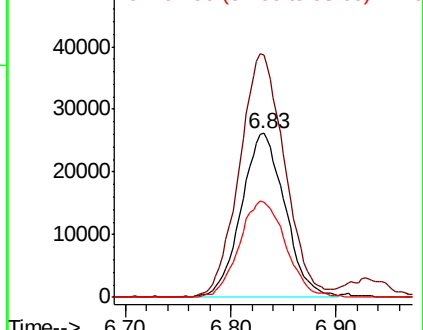


Abundance

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: 18.042 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

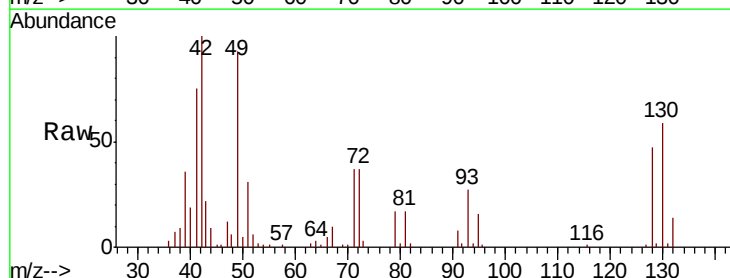
Tgt Ion: 49 Resp: 58462

Ion Ratio Lower Upper

49 100

129 1.3 0.0 2.4

130 61.3 50.8 76.2

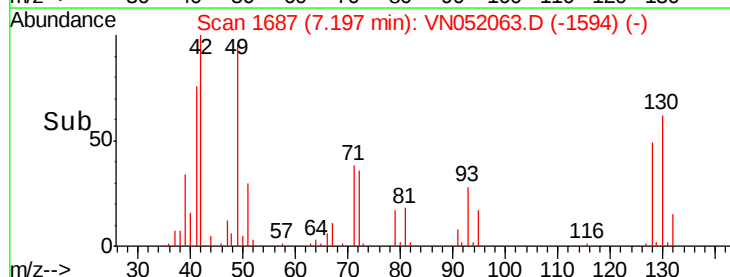
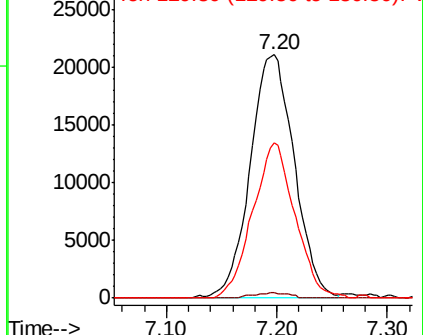


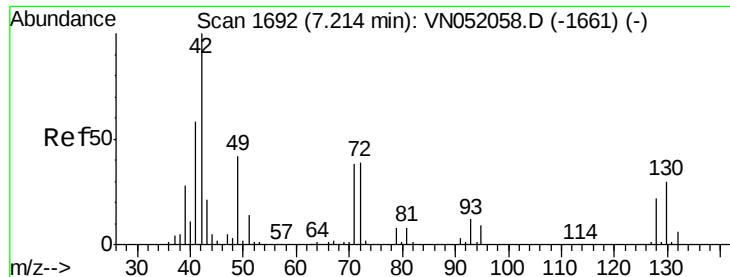
Abundance

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

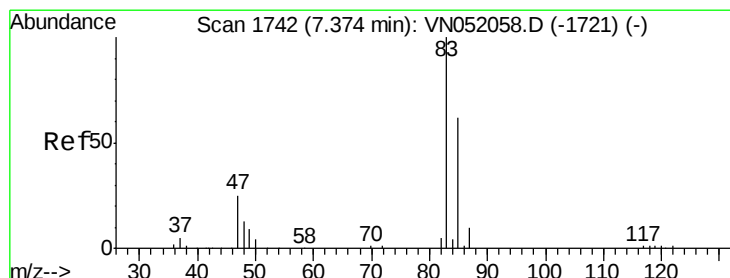
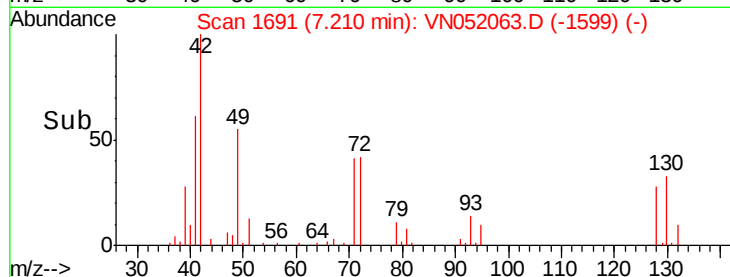
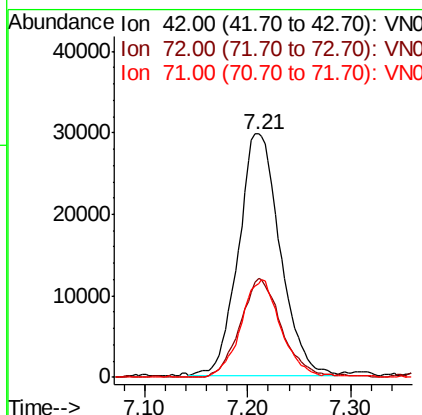
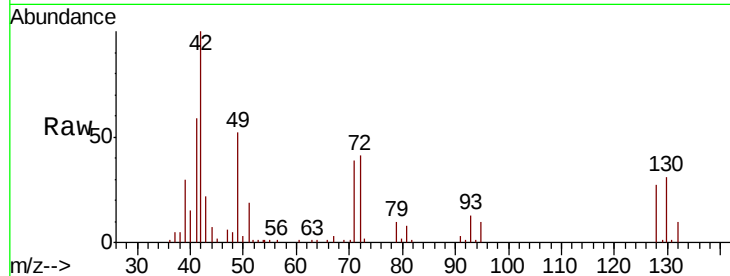




#29
Tetrahydrofuran
Concen: 89.600 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

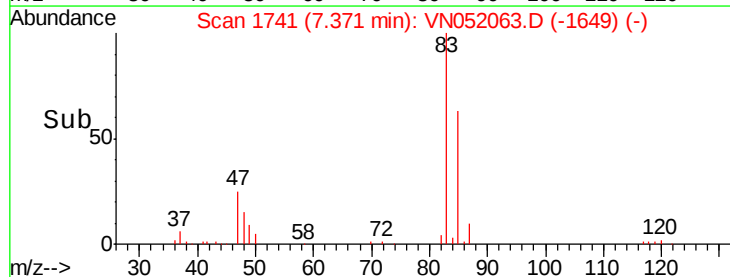
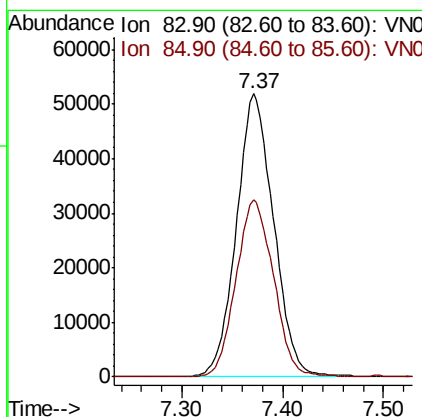
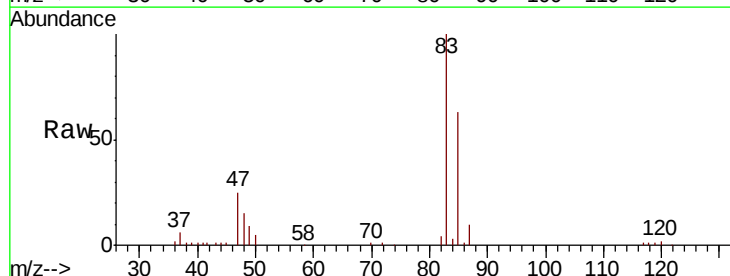
Instrument :
MSVOA_N
ClientSampleId :
VN1030WBS01

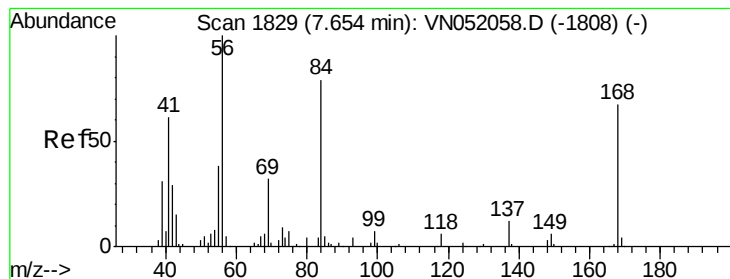
Tgt Ion: 42 Resp: 82637
Ion Ratio Lower Upper
42 100
72 40.7 32.5 48.7
71 38.8 30.6 46.0



#30
Chloroform
Concen: 20.318 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Tgt Ion: 83 Resp: 132606
Ion Ratio Lower Upper
83 100
85 62.7 49.6 74.4





#31

Cyclohexane

Concen: 19.801 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBS01

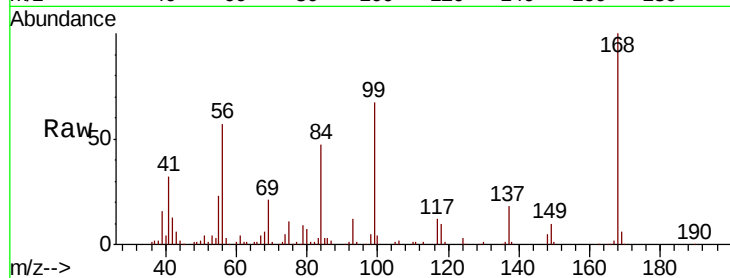
Tgt Ion: 56 Resp: 130795

Ion Ratio Lower Upper

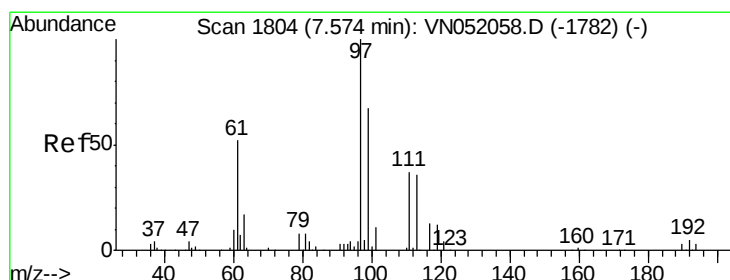
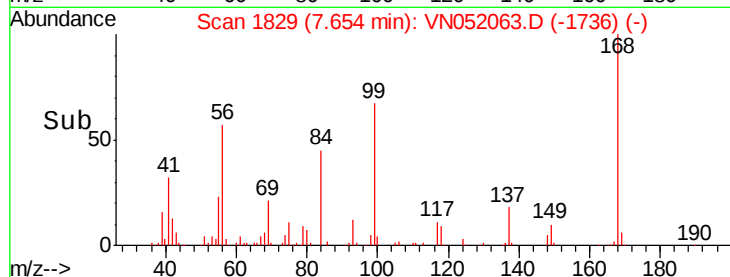
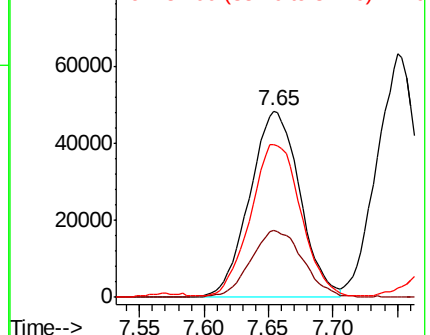
56 100

69 35.9 25.8 38.6

84 80.9 63.5 95.3



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: 20.480 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

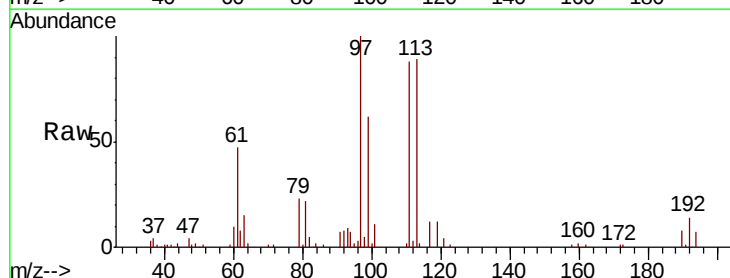
Tgt Ion: 97 Resp: 107493

Ion Ratio Lower Upper

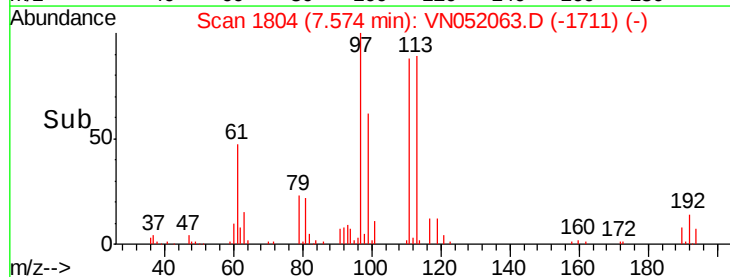
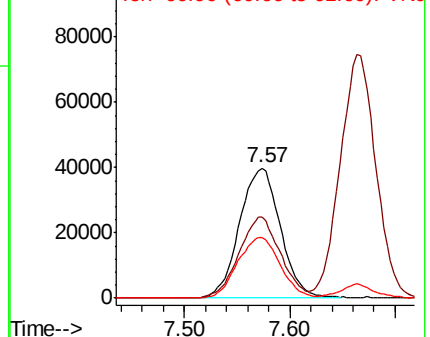
97 100

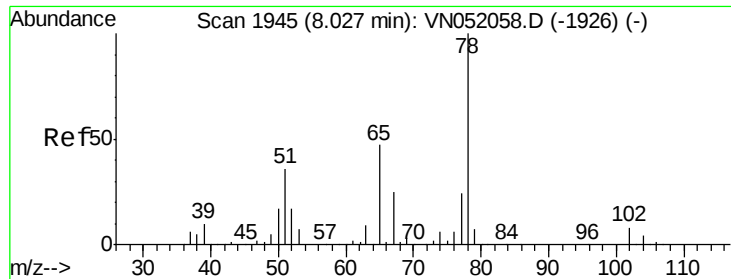
99 63.0 51.4 77.2

61 48.5 40.3 60.5



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

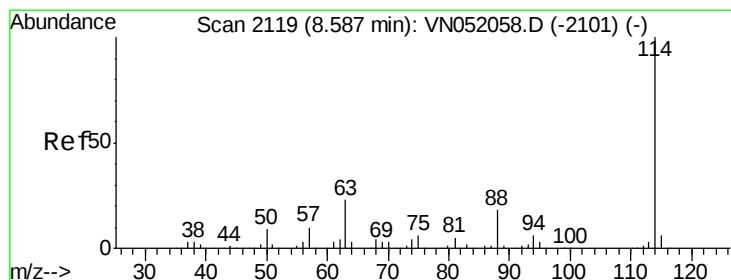
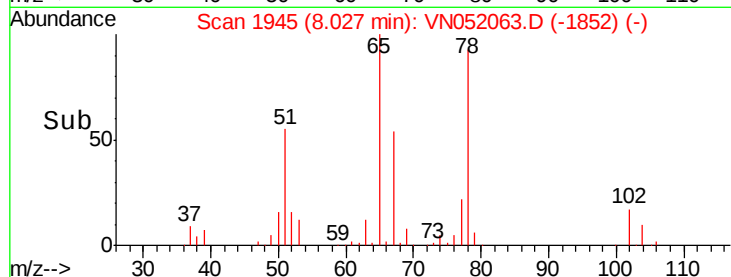
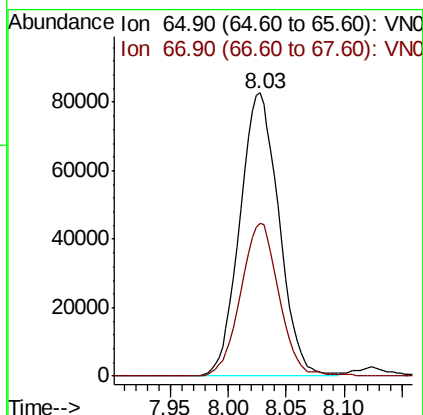
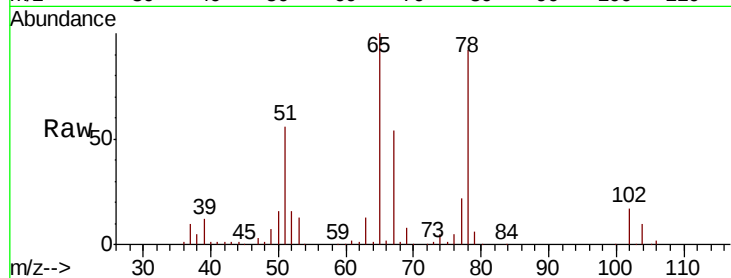




#33
 1,2-Dichloroethane-d4
 Concen: 20.480 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052063.D
 Acq: 30 Oct 2018 14:43

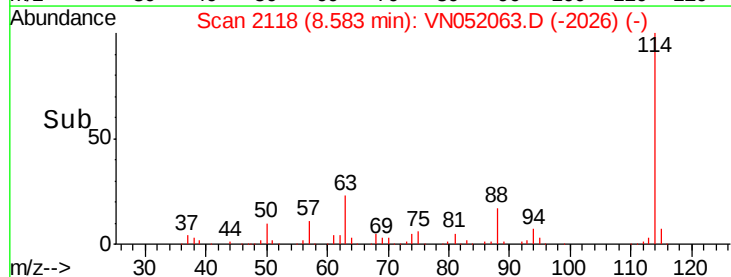
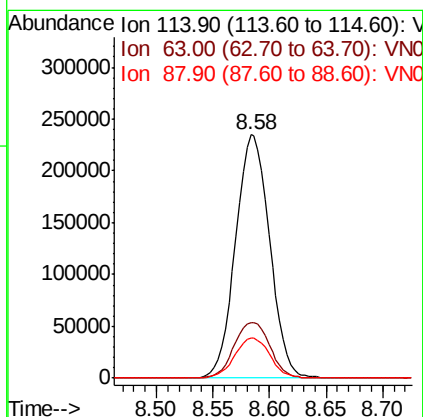
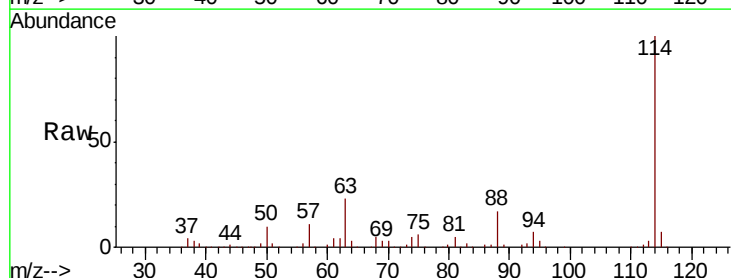
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBS01

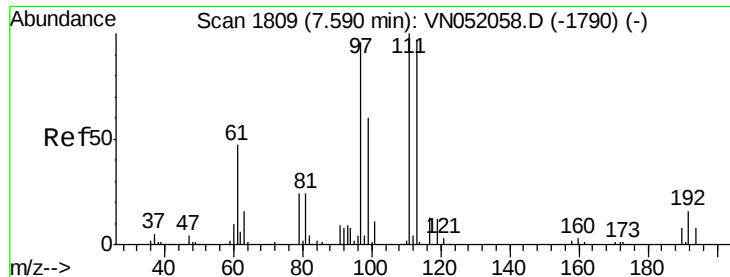
Tgt Ion: 65 Resp: 194500
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN052063.D
 Acq: 30 Oct 2018 14:43

Tgt Ion: 114 Resp: 495020
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 46.0
 88 16.6 0.0 35.4

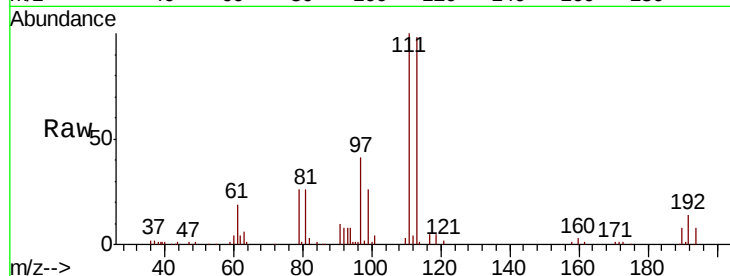




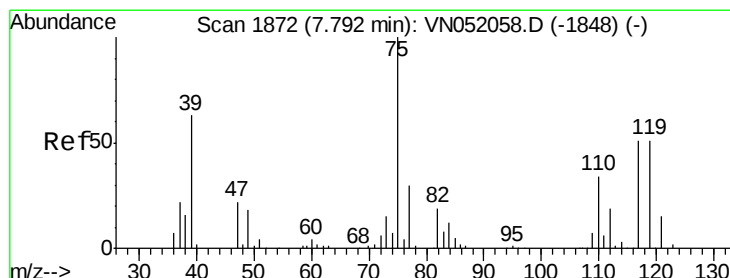
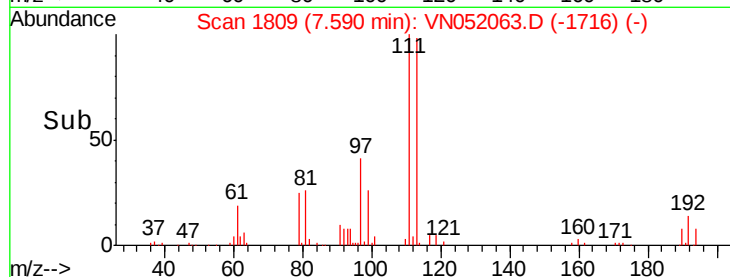
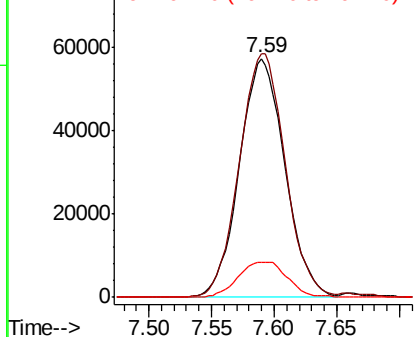
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052063.D
 Acq: 30 Oct 2018 14:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBS01

Tgt Ion: 113 Resp: 144251
 Ion Ratio Lower Upper
 113 100
 111 103.0 83.1 124.7
 192 16.1 12.7 19.1

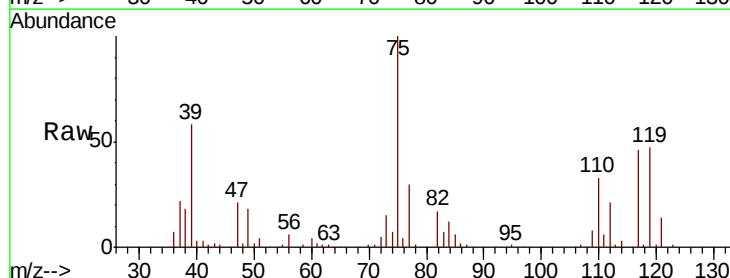


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

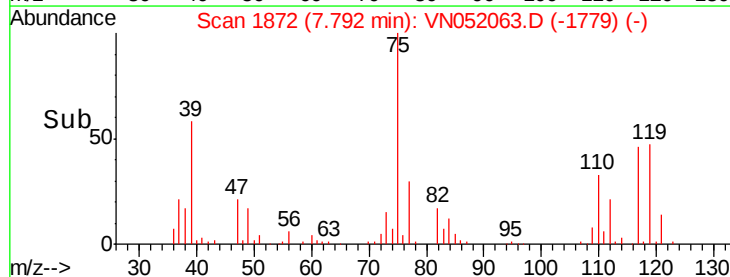
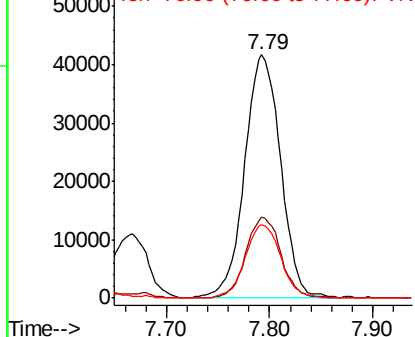


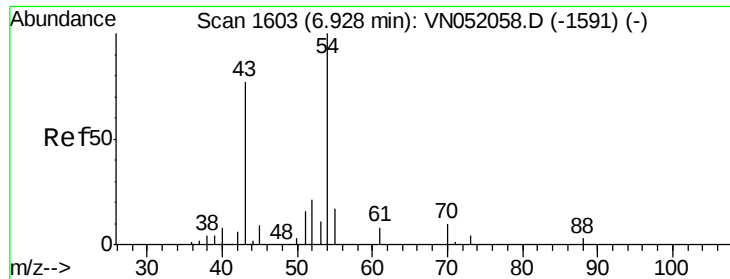
#36
 1,1-Dichloropropene
 Concen: 20.077 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN052063.D
 Acq: 30 Oct 2018 14:43

Tgt Ion: 75 Resp: 101055
 Ion Ratio Lower Upper
 75 100
 110 32.2 16.0 48.0
 77 29.7 24.5 36.7



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

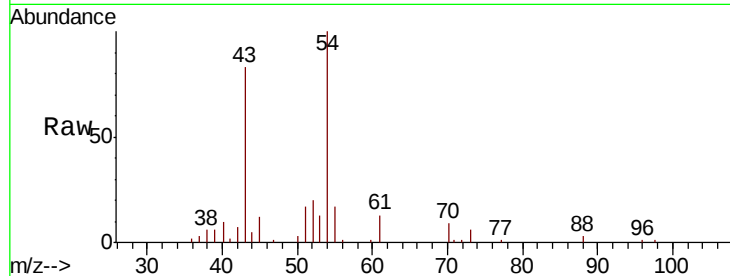




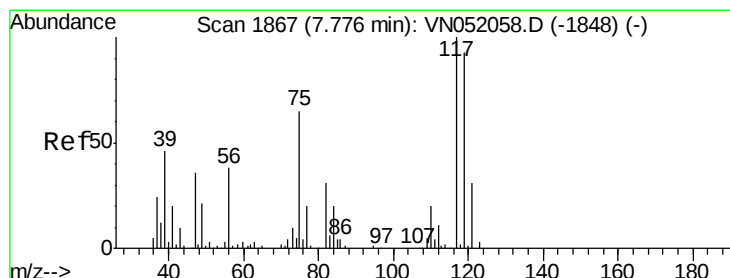
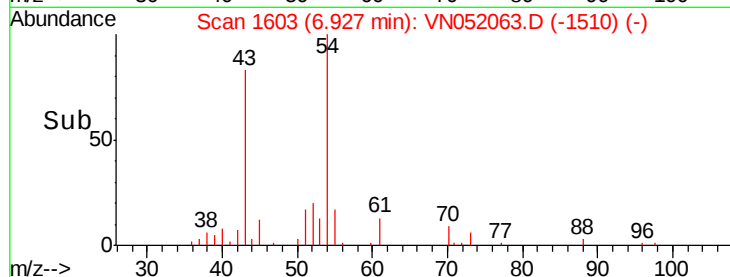
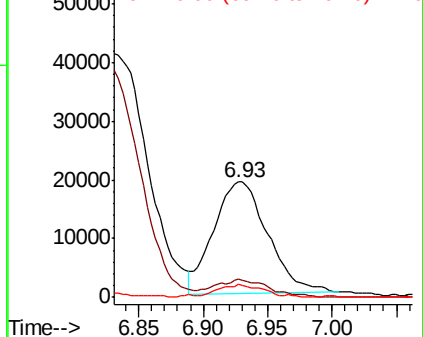
#37
Ethyl Acetate
 Concen: 16.700 ug/l
 RT: 6.93 min Scan# 1603
 Delta R.T. -0.00 min
 Lab File: VN052063.D
 Acq: 30 Oct 2018 14:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBS01

Tgt Ion: 43 Resp: 56263
 Ion Ratio Lower Upper
 43 100
 61 15.9 10.9 16.3
 70 7.8 8.6 12.8#

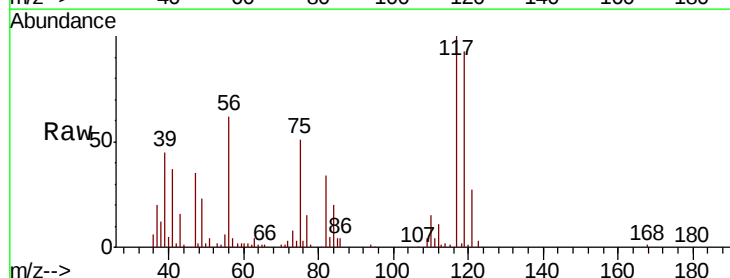


Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 70.00 (69.70 to 70.70): VN0

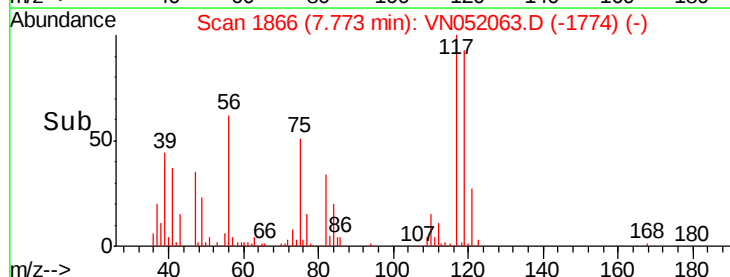
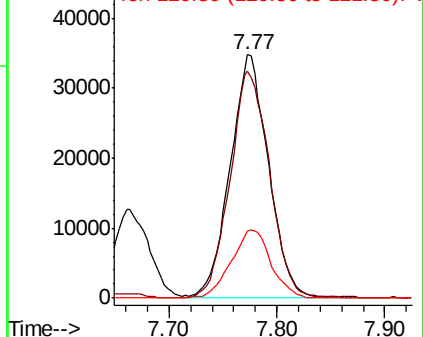


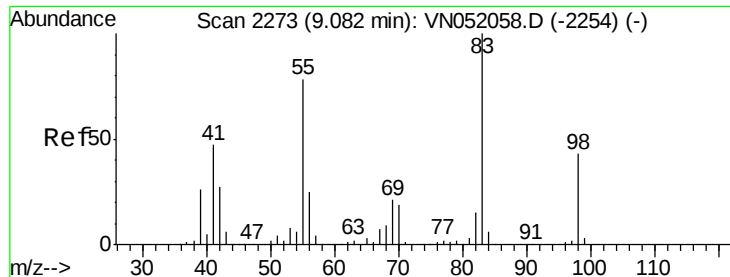
#38
Carbon Tetrachloride
 Concen: 19.828 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN052063.D
 Acq: 30 Oct 2018 14:43

Tgt Ion: 117 Resp: 86054
 Ion Ratio Lower Upper
 117 100
 119 93.3 74.8 112.2
 121 27.4 25.1 37.7



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

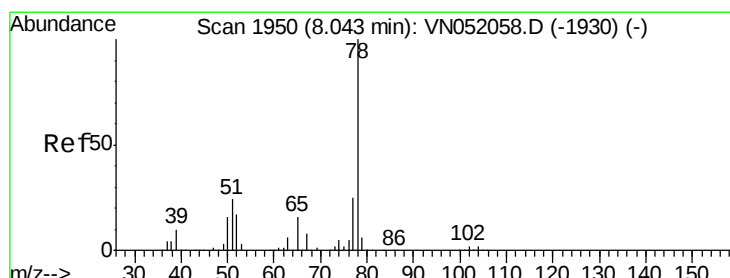
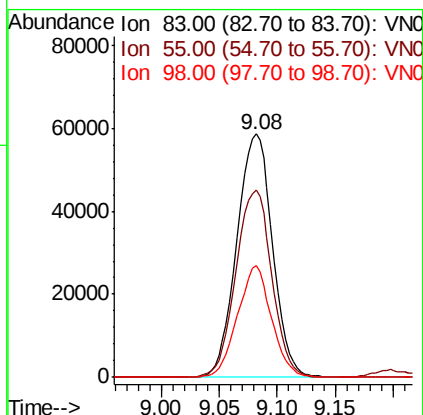
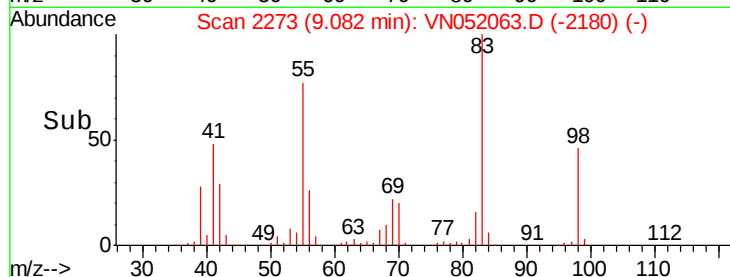
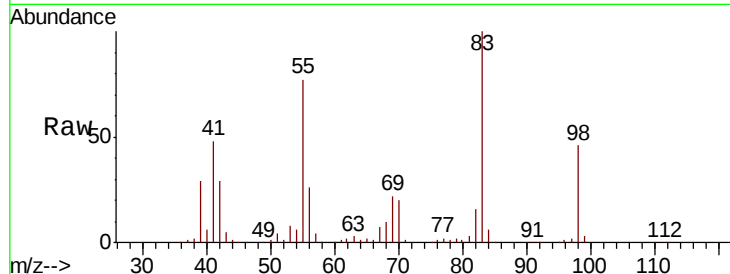




#39
Methylcyclohexane
Concen: 21.028 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

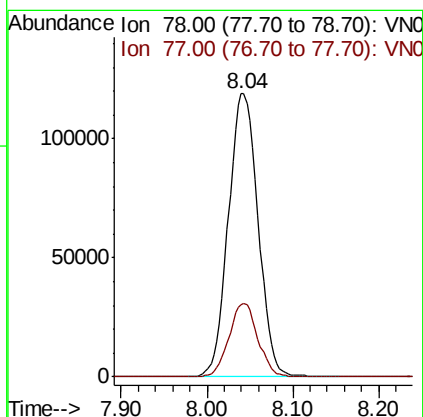
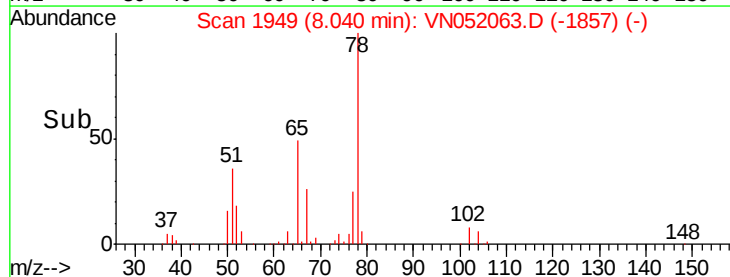
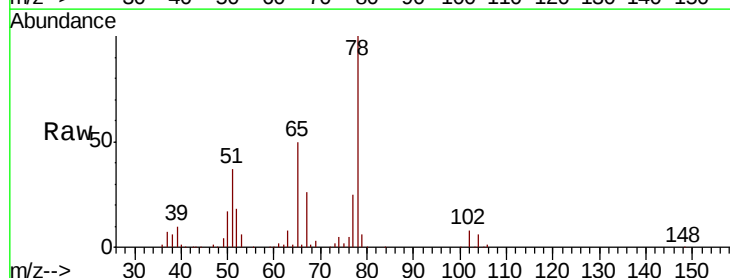
Instrument :
MSVOA_N
ClientSampleId :
VN1030WBS01

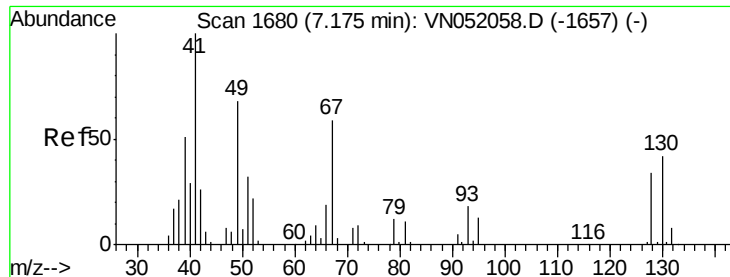
Tgt Ion: 83 Resp: 125604
Ion Ratio Lower Upper
83 100
55 76.8 62.0 93.0
98 45.8 34.7 52.1



#40
Benzene
Concen: 19.625 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Tgt Ion: 78 Resp: 285726
Ion Ratio Lower Upper
78 100
77 25.5 19.8 29.6

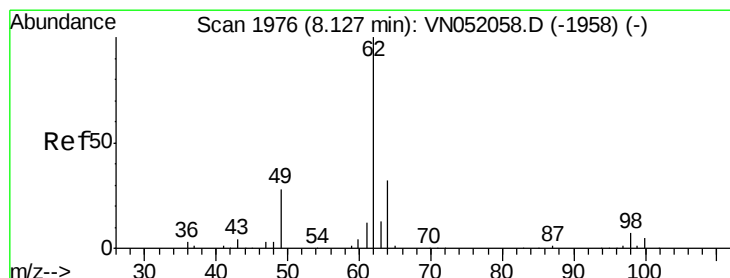
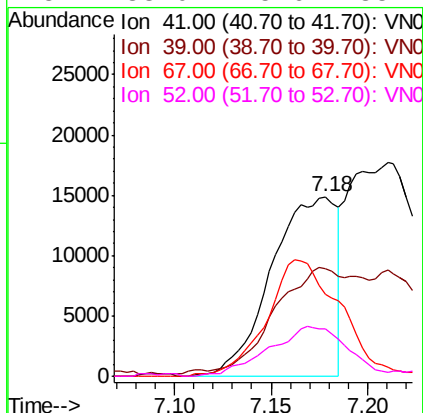
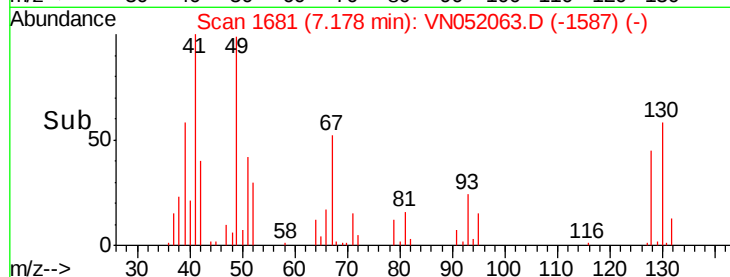
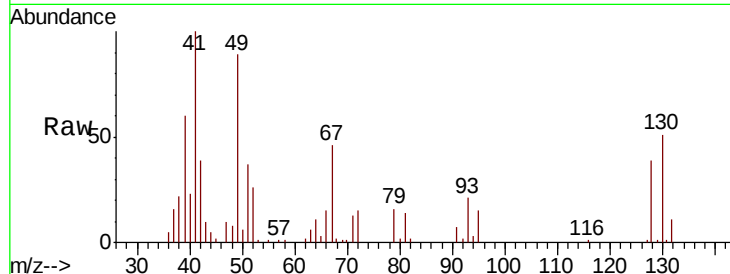




#41
Methacrylonitrile
Concen: 20.193 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

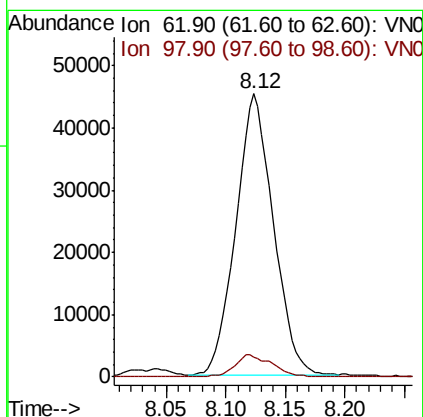
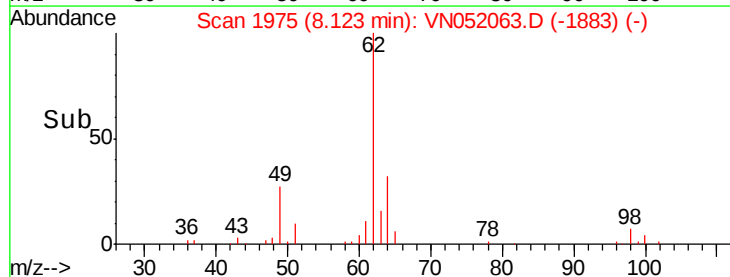
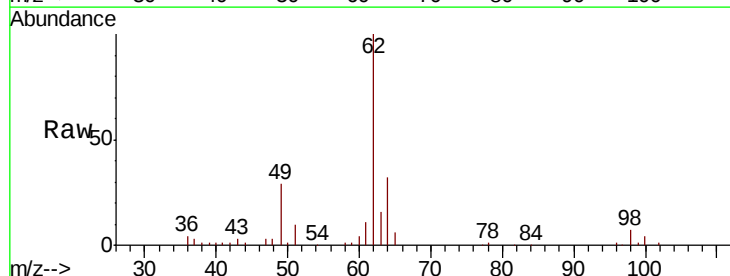
Instrument :
MSVOA_N
ClientSampleId :
VN1030WBS01

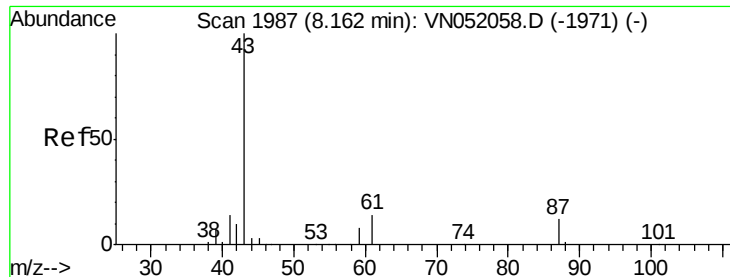
Tgt Ion: 41 Resp: 34958
Ion Ratio Lower Upper
41 100
39 57.1 33.2 49.8#
67 73.8 63.5 95.3
52 33.0 25.6 38.4



#42
1,2-Dichloroethane
Concen: 18.320 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Tgt Ion: 62 Resp: 98427
Ion Ratio Lower Upper
62 100
98 7.8 0.0 15.2





#43

Isopropyl Acetate

Concen: 18.764 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBS01

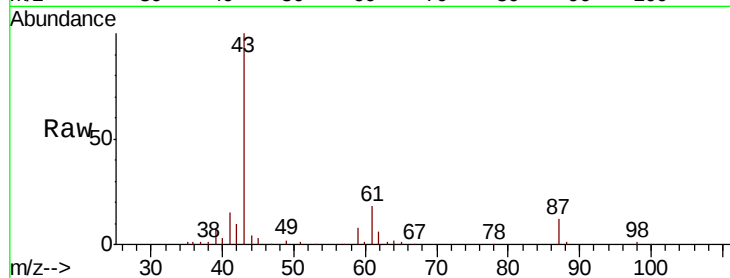
Tgt Ion: 43 Resp: 112439

Ion Ratio Lower Upper

43 100

61 18.0 15.4 23.0

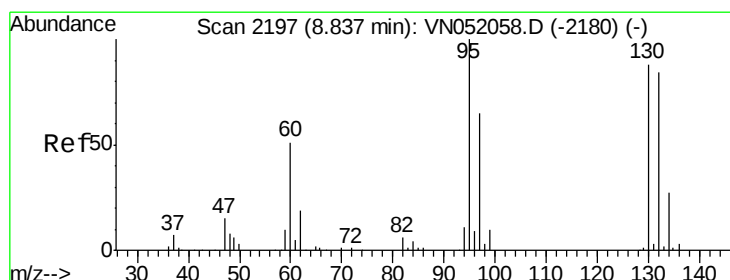
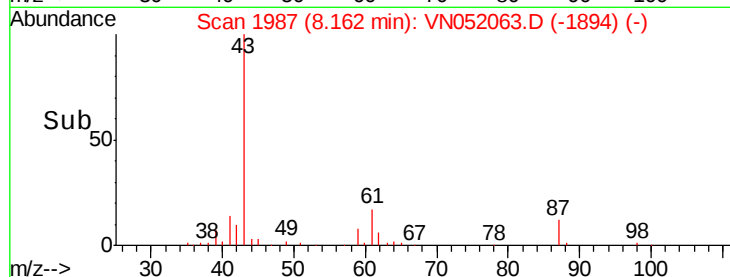
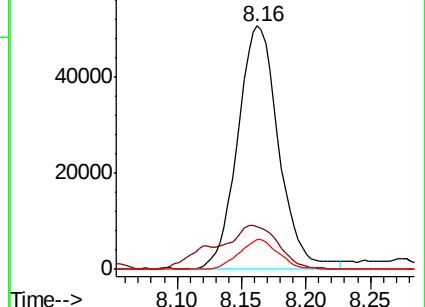
87 11.7 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VN052058.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN052058.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN052058.D (-1971) (-)



#44

Trichloroethene

Concen: 20.086 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN052063.D

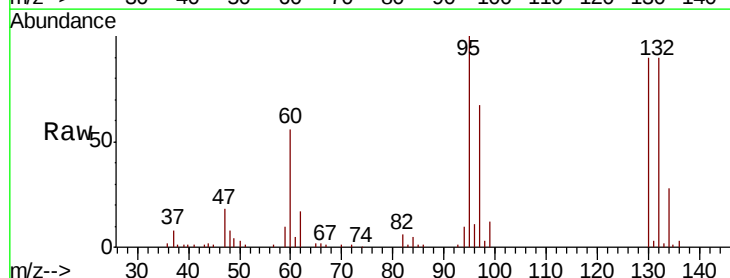
Acq: 30 Oct 2018 14:43

Tgt Ion: 130 Resp: 65399

Ion Ratio Lower Upper

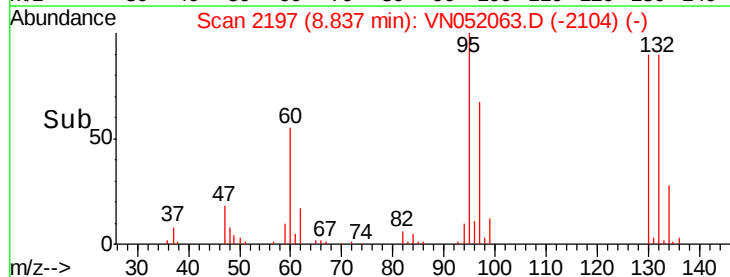
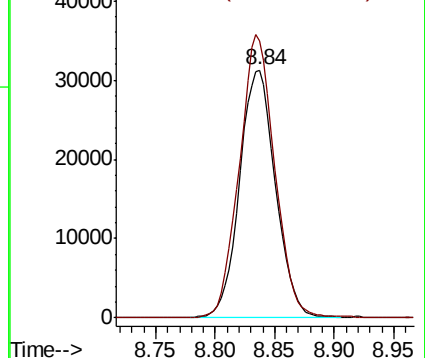
130 100

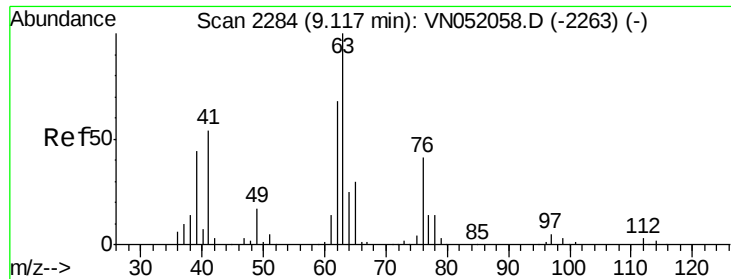
95 111.6 0.0 228.4



Abundance Ion 129.80 (129.50 to 130.50): VN052058.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN052058.D (-2180) (-)





#45

1,2-Dichloropropane

Concen: 19.864 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Instrument :

MSVOA_N

ClientSampleId :

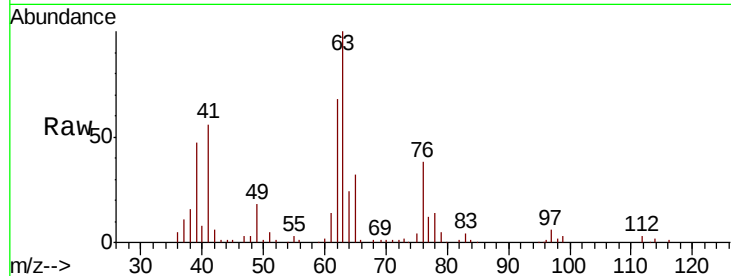
VN1030WBS01

Tgt Ion: 63 Resp: 82384

Ion Ratio Lower Upper

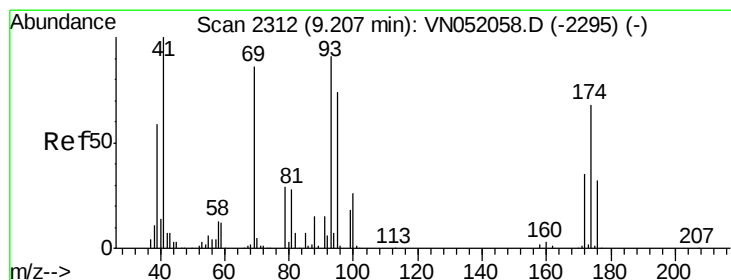
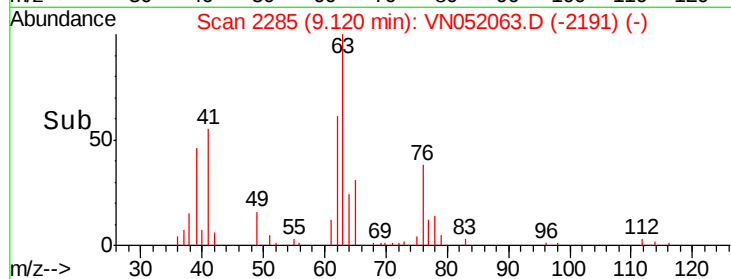
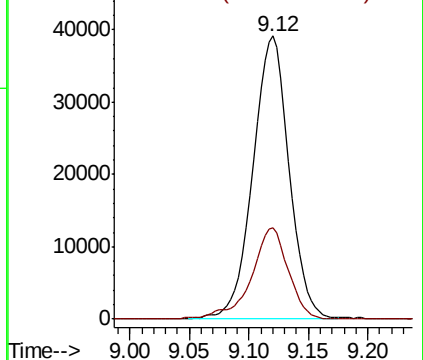
63 100

65 32.5 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 18.891 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

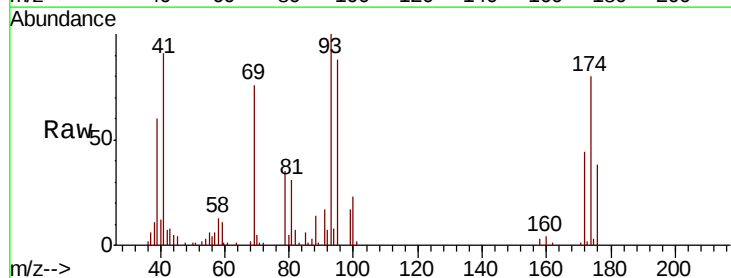
Tgt Ion: 93 Resp: 43789

Ion Ratio Lower Upper

93 100

95 84.6 67.2 100.8

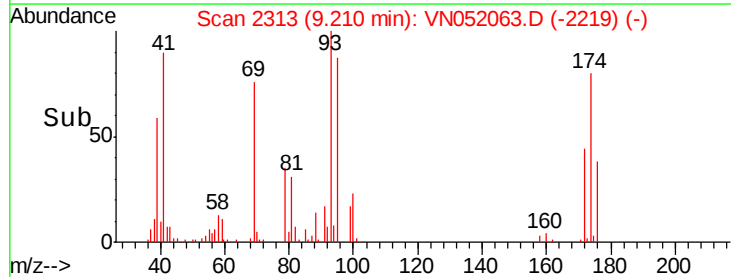
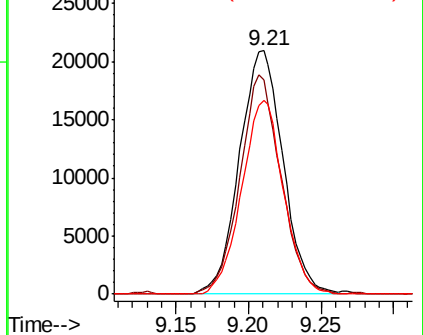
174 76.1 59.7 89.5

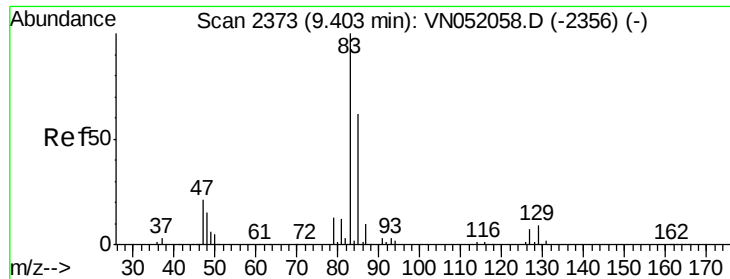


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.735 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBS01

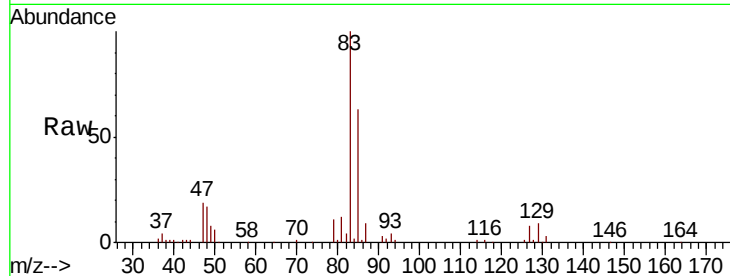
Tgt Ion: 83 Resp: 95405

Ion Ratio Lower Upper

83 100

85 62.8 49.4 74.2

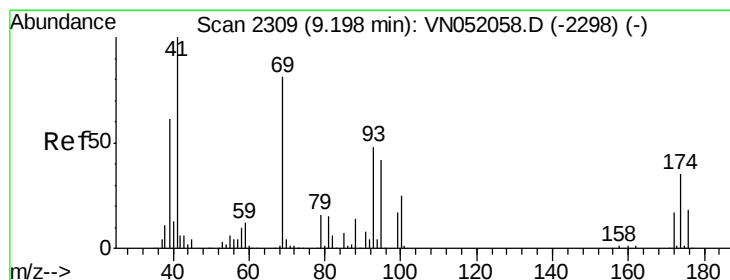
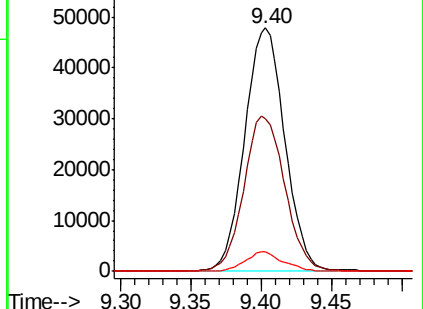
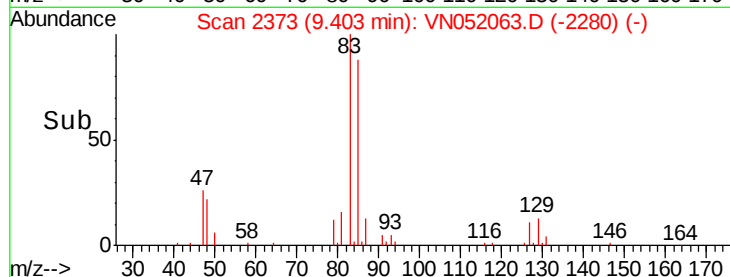
127 8.1 5.8 8.8



Abundance Ion 82.90 (82.60 to 83.60): VN052063.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052063.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052063.D (-2280) (-)



#48

Methyl methacrylate

Concen: 18.152 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

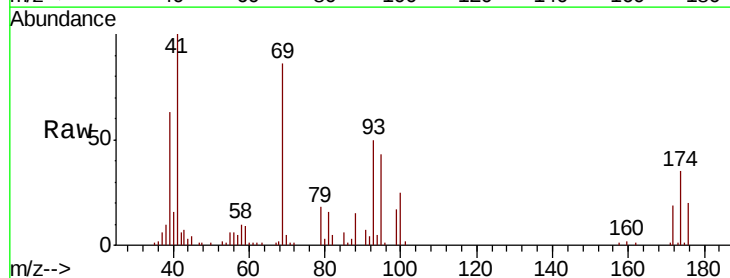
Tgt Ion: 41 Resp: 55145

Ion Ratio Lower Upper

41 100

69 85.7 67.1 100.7

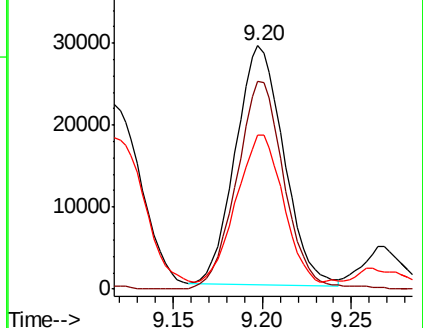
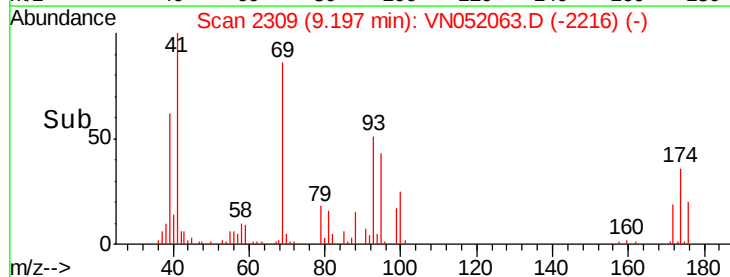
39 63.4 50.5 75.7

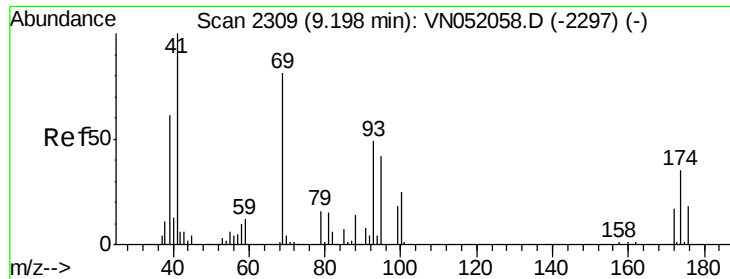


Abundance Ion 41.00 (40.70 to 41.70): VN052063.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN052063.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN052063.D (-2216) (-)





#49

1,4-Dioxane

Concen: 360.324 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBS01

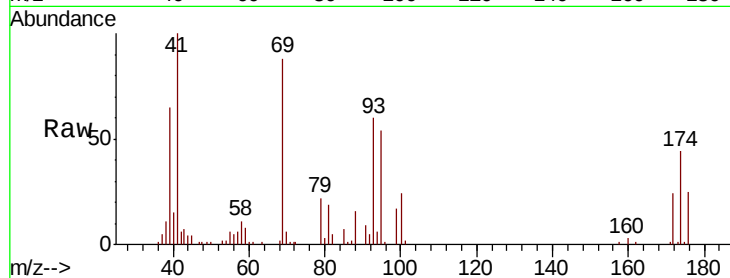
Tgt Ion: 88 Resp: 8760

Ion Ratio Lower Upper

88 100

43 47.1 34.1 51.1

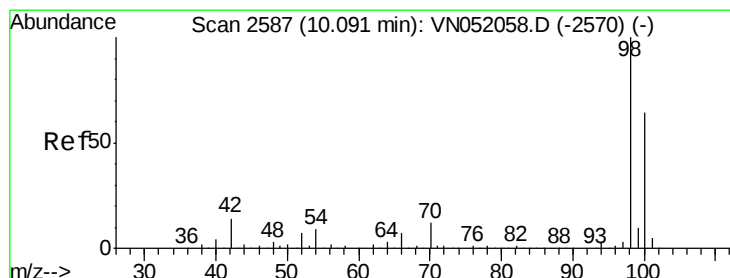
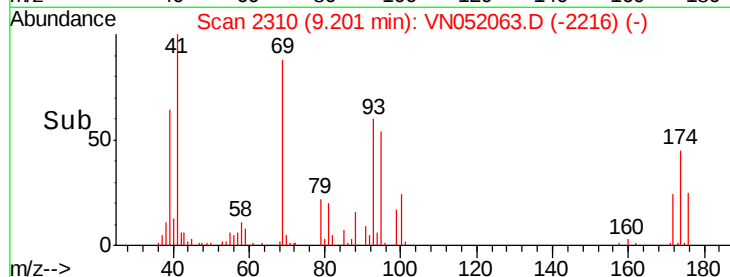
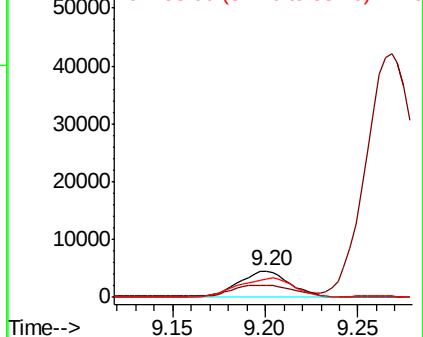
58 79.2 62.8 94.2



Abundance Ion 88.00 (87.70 to 88.70): VN052058.D (-2297) (-)

Ion 43.00 (42.70 to 43.70): VN052058.D (-2297) (-)

Ion 58.00 (57.70 to 58.70): VN052058.D (-2297) (-)



#50

Toluene-d8

Concen: 360.324 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052063.D

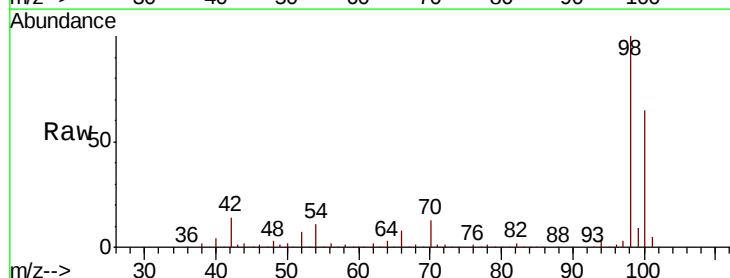
Acq: 30 Oct 2018 14:43

Tgt Ion: 98 Resp: 574969

Ion Ratio Lower Upper

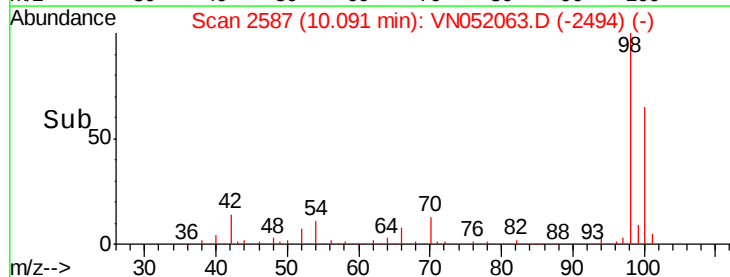
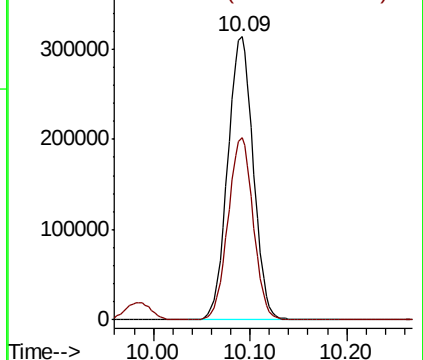
98 100

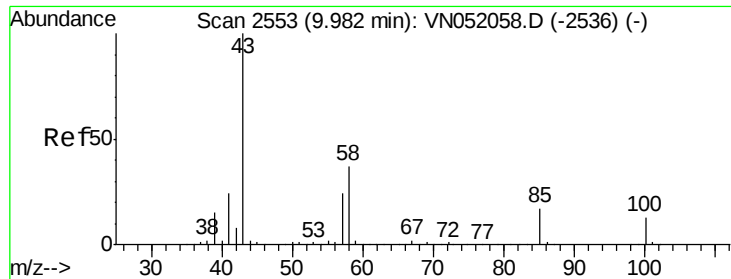
100 63.4 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN052058.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052058.D (-2570) (-)

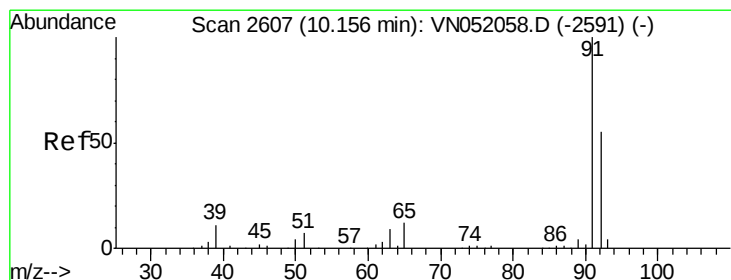
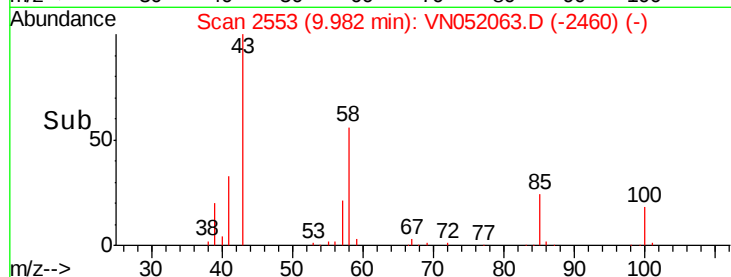
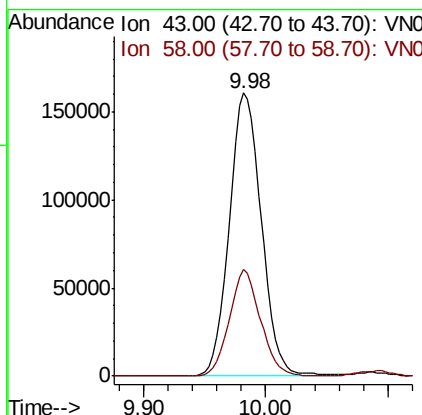
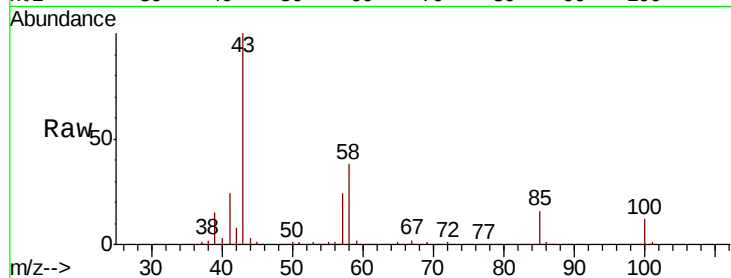




#51
4-Methyl-2-Pentanone
Concen: 89.655 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

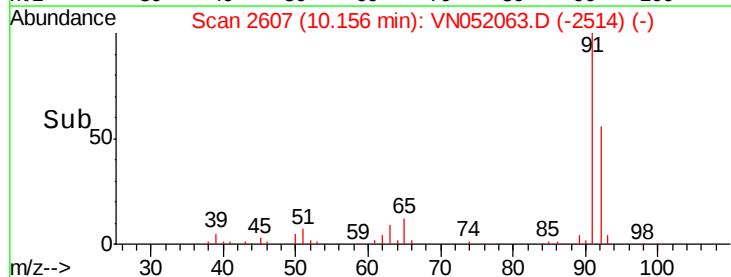
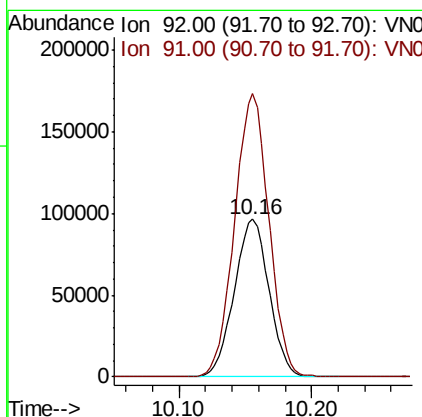
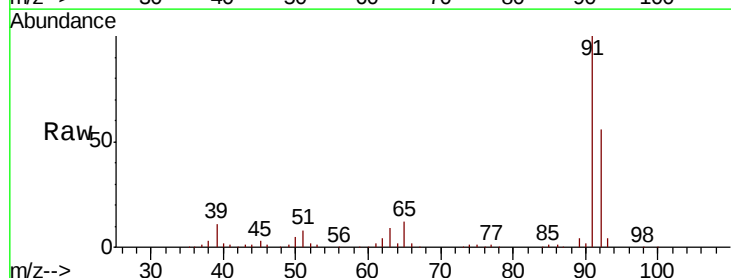
Instrument :
MSVOA_N
ClientSampleId :
VN1030WBS01

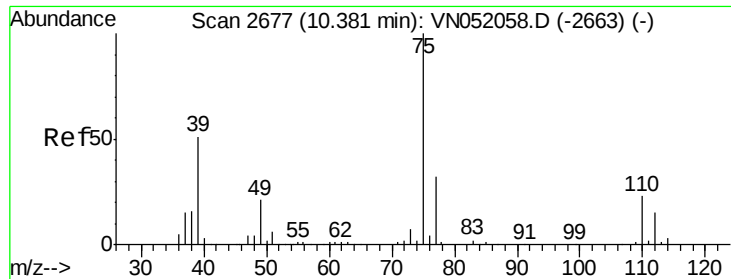
Tgt Ion: 43 Resp: 291997
Ion Ratio Lower Upper
43 100
58 36.9 29.7 44.5



#52
Toluene
Concen: 19.967 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Tgt Ion: 92 Resp: 175485
Ion Ratio Lower Upper
92 100
91 177.6 143.9 215.9





#53

t-1,3-Dichloropropene

Concen: 18.663 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Instrument :

MSVOA_N

ClientSampleId :

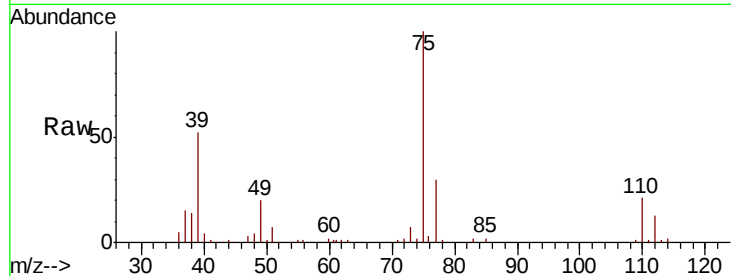
VN1030WBS01

Tgt Ion: 75 Resp: 95389

Ion Ratio Lower Upper

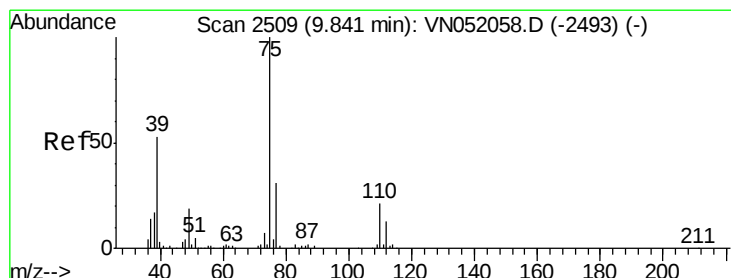
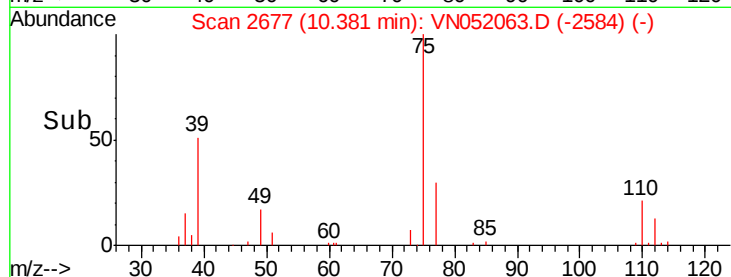
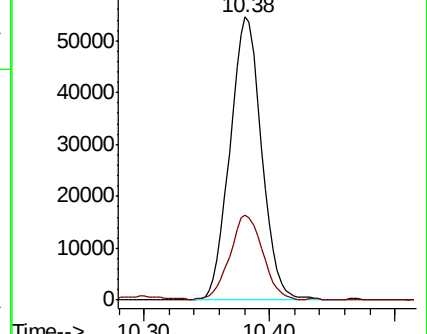
75 100

77 30.1 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.972 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

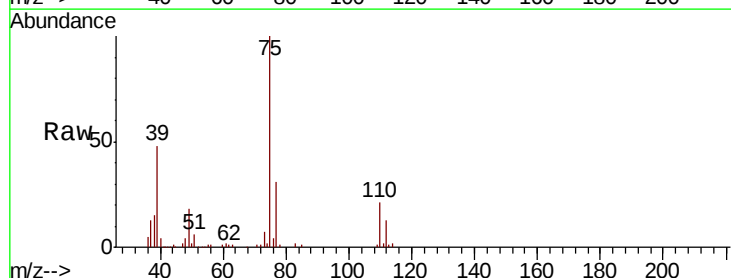
Tgt Ion: 75 Resp: 113364

Ion Ratio Lower Upper

75 100

77 31.1 25.0 37.4

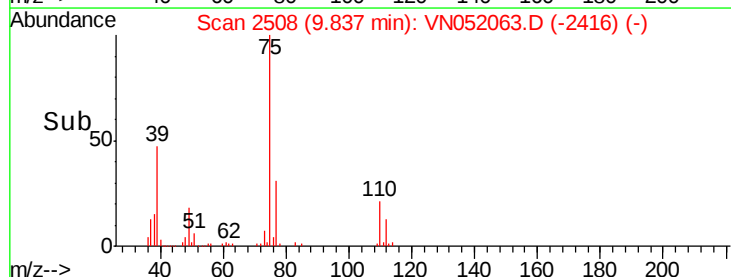
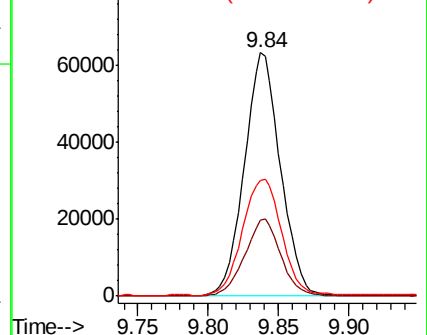
39 47.2 42.3 63.5

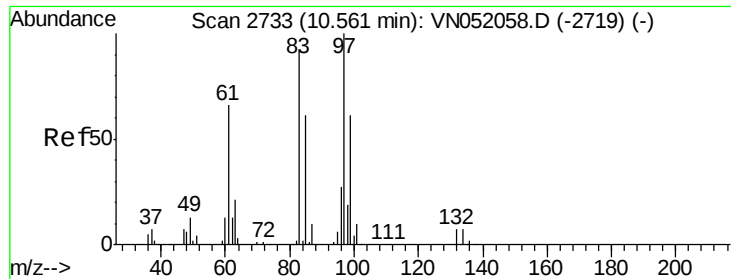


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 19.225 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Instrument :

MSVOA_N

ClientSampled :

VN1030WBS01

Tgt Ion: 97 Resp: 60179

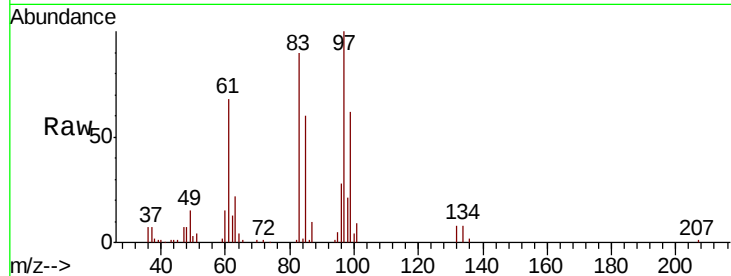
Ion Ratio Lower Upper

97 100

83 90.2 73.8 110.8

85 59.6 48.4 72.6

99 61.9 48.6 72.8



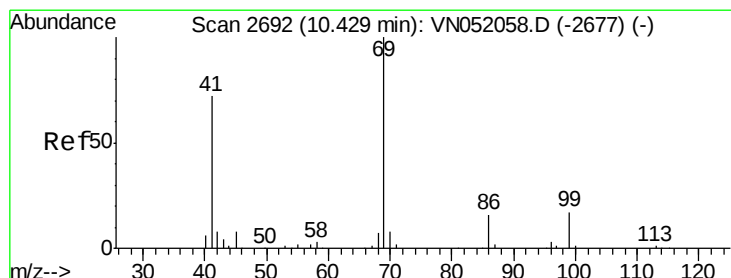
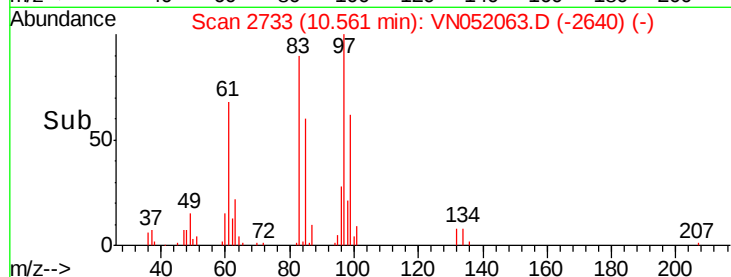
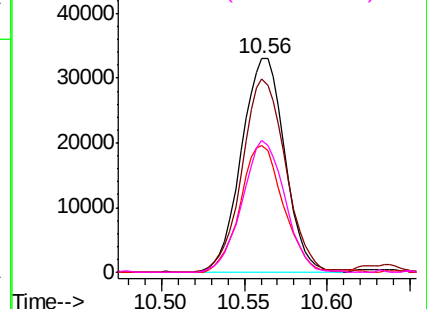
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 17.944 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

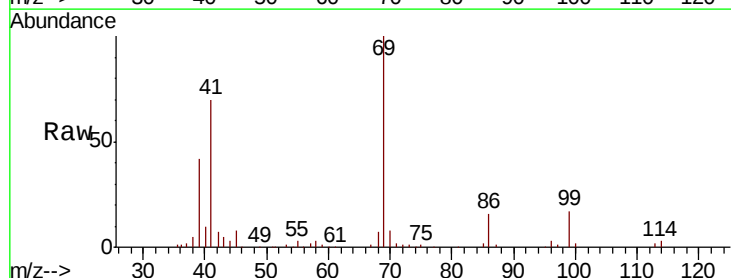
Tgt Ion: 69 Resp: 80344

Ion Ratio Lower Upper

69 100

41 69.8 55.5 83.3

39 42.3 33.0 49.4

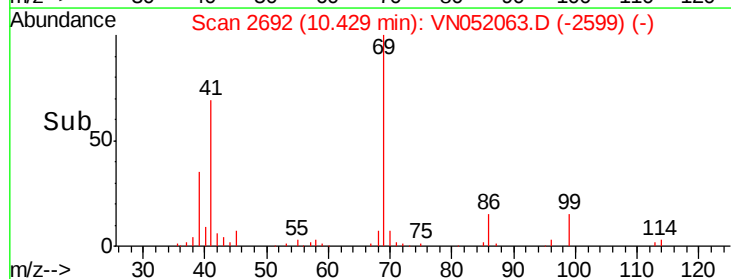
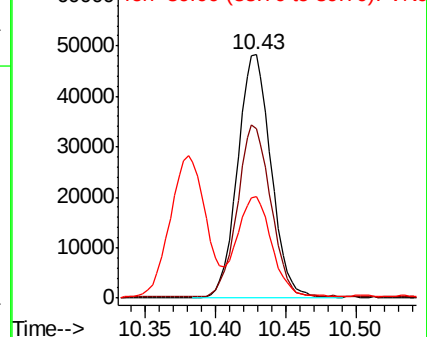


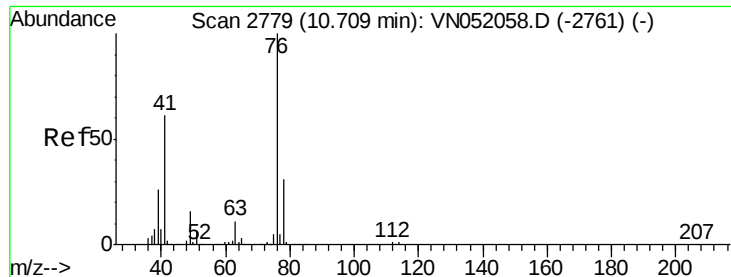
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

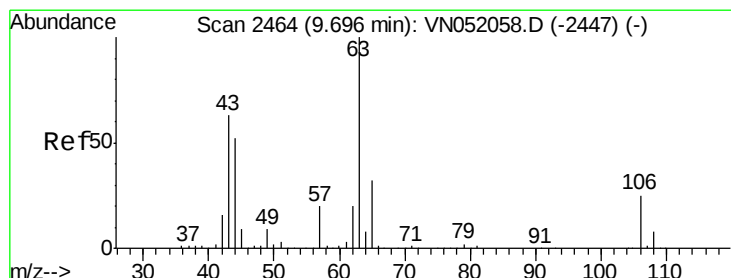
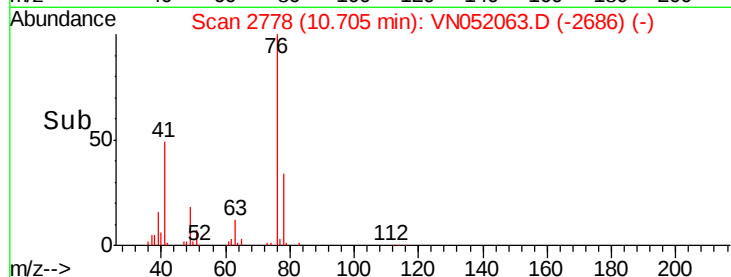
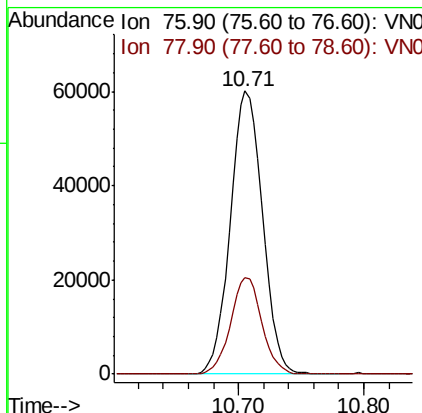
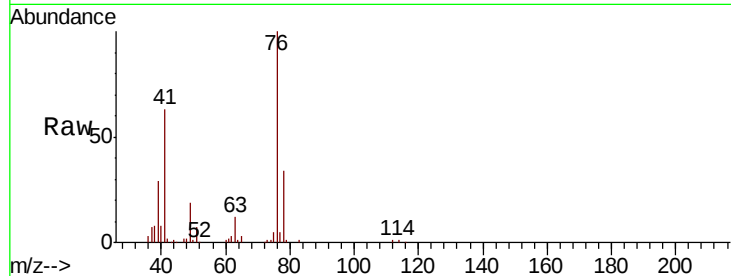




#57
 1,3-Dichloropropane
 Concen: 18.667 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN052063.D
 Acq: 30 Oct 2018 14:43

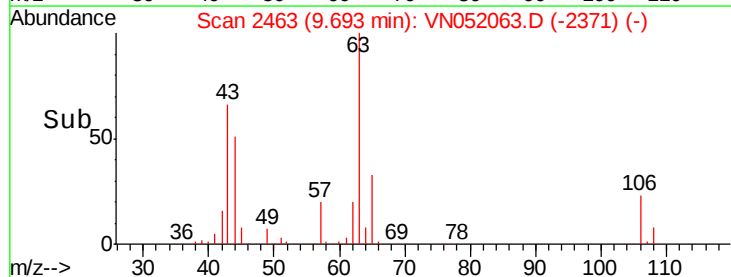
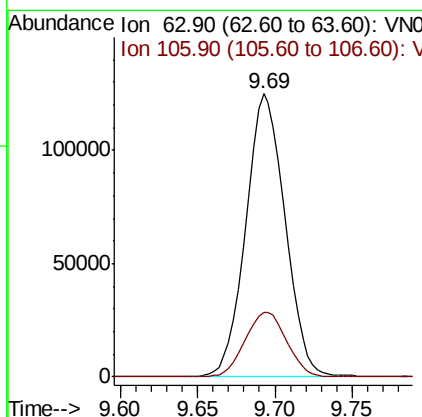
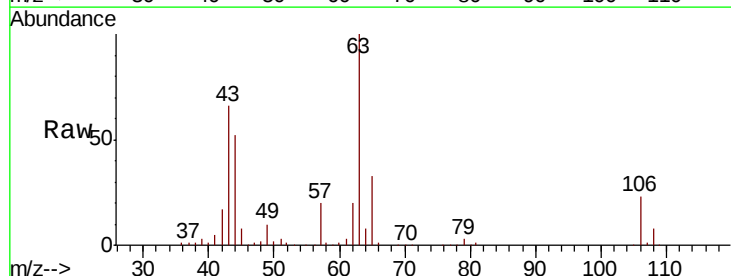
Instrument :
 MSVOA_N
 ClientSampled :
 VN1030WBS01

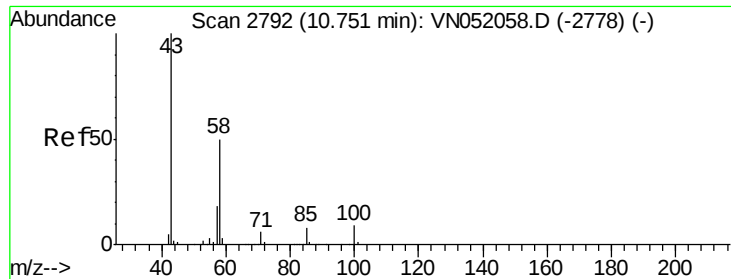
Tgt Ion: 76 Resp: 107517
 Ion Ratio Lower Upper
 76 100
 78 33.0 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.903 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN052063.D
 Acq: 30 Oct 2018 14:43

Tgt Ion: 63 Resp: 221268
 Ion Ratio Lower Upper
 63 100
 106 24.2 19.4 29.2

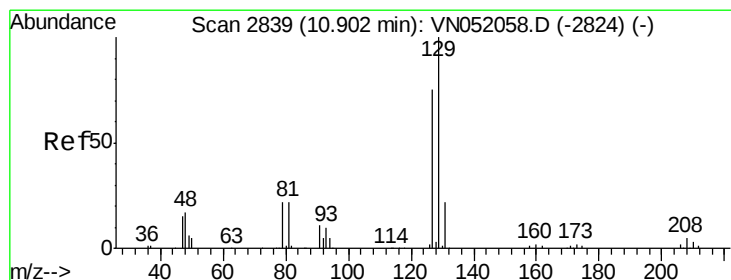
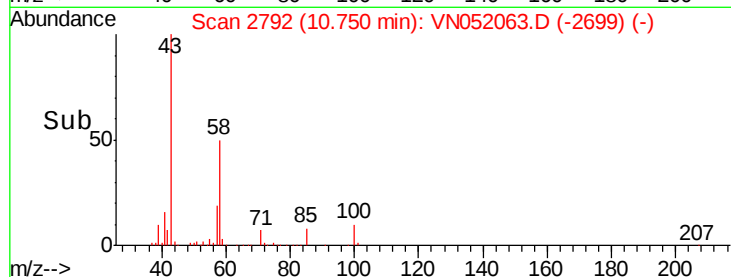
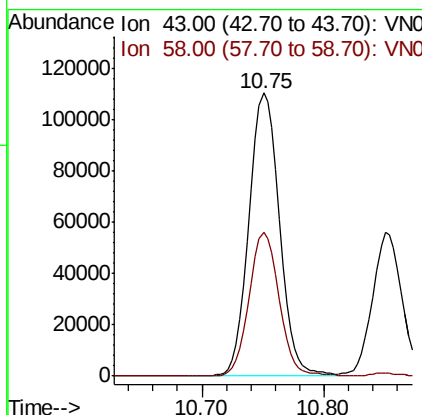
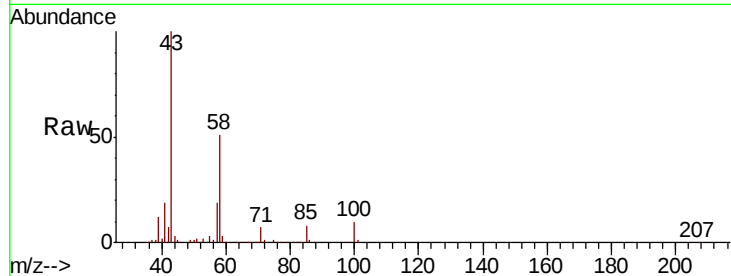




#59
2-Hexanone
Concen: 82.233 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

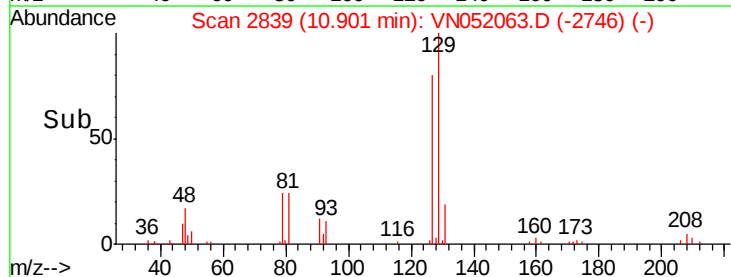
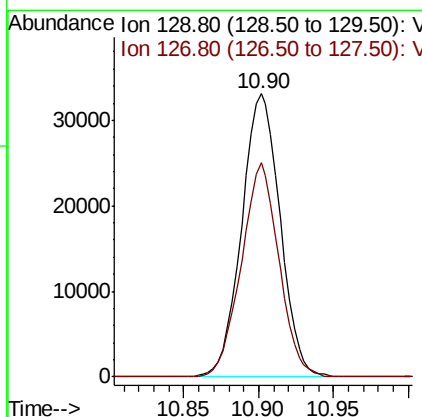
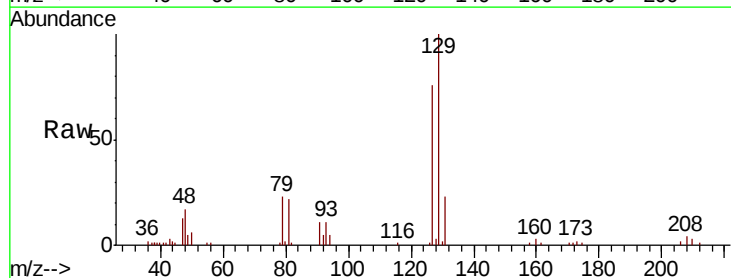
Instrument :
MSVOA_N
ClientSampleId :
VN1030WBS01

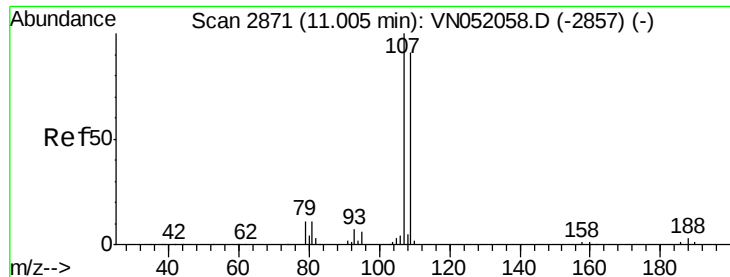
Tgt Ion: 43 Resp: 190858
Ion Ratio Lower Upper
43 100
58 49.9 25.2 75.6



#60
Dibromochloromethane
Concen: 19.205 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Tgt Ion: 129 Resp: 59182
Ion Ratio Lower Upper
129 100
127 73.6 38.5 115.5

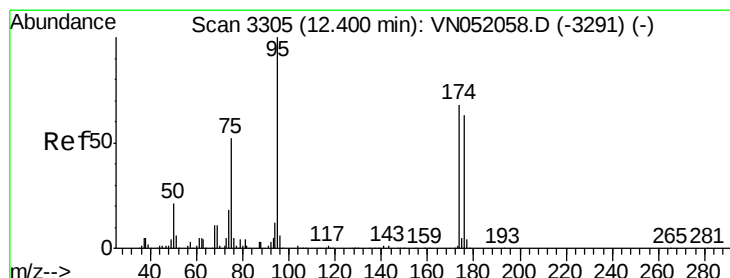
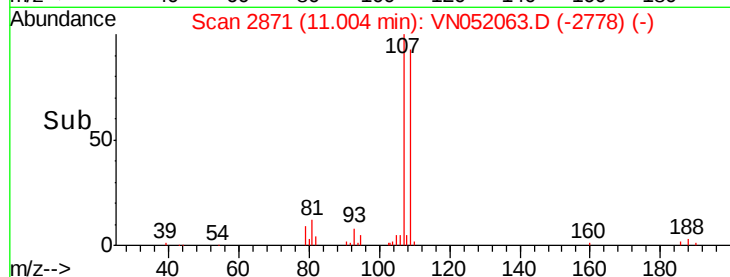
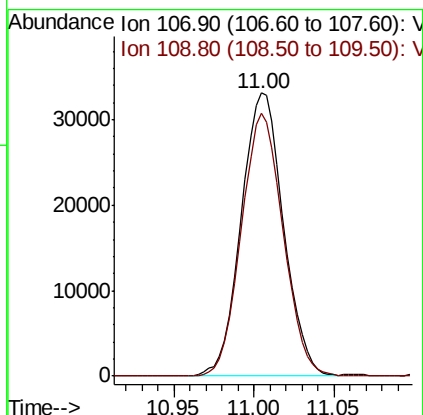
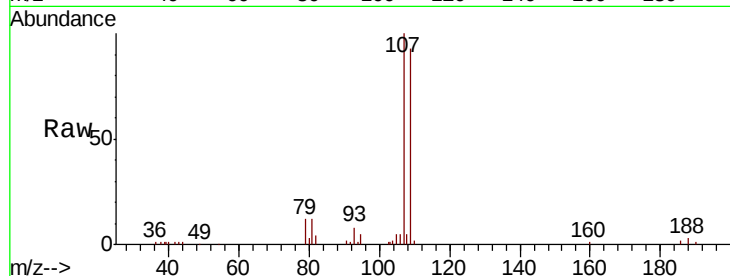




#61
 1,2-Dibromoethane
 Concen: 19.223 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN052063.D
 Acq: 30 Oct 2018 14:43

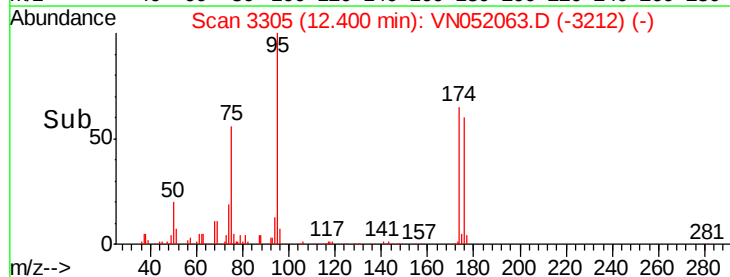
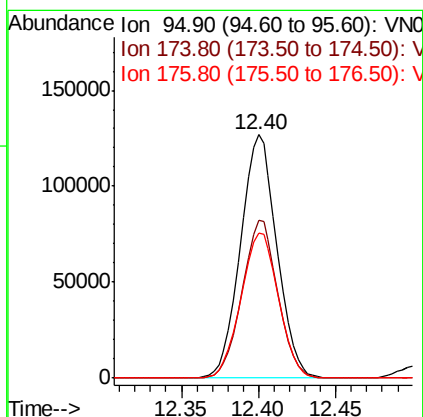
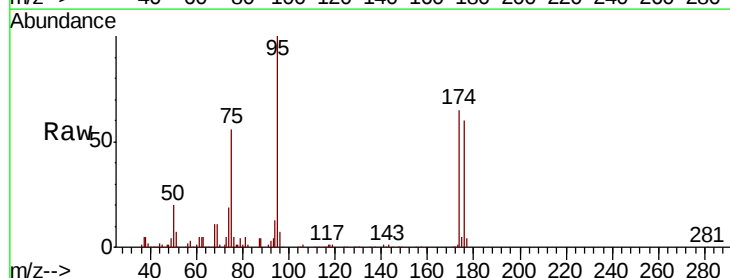
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBS01

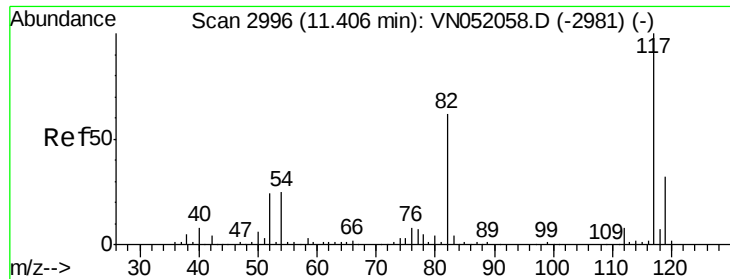
Tgt Ion: 107 Resp: 59818
 Ion Ratio Lower Upper
 107 100
 109 91.6 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 19.223 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052063.D
 Acq: 30 Oct 2018 14:43

Tgt Ion: 95 Resp: 207335
 Ion Ratio Lower Upper
 95 100
 174 63.5 0.0 131.8
 176 61.3 0.0 126.0

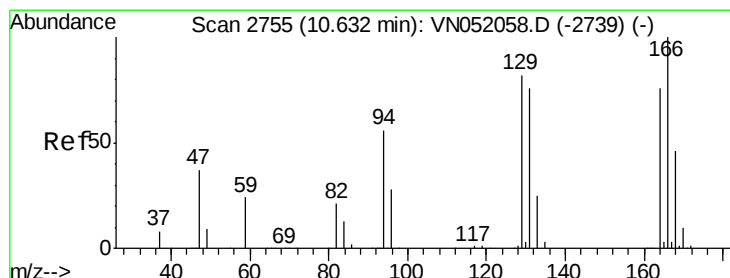
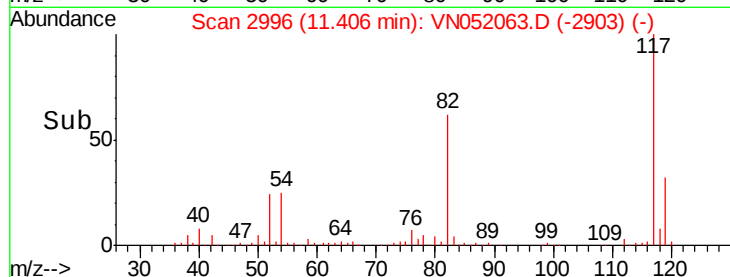
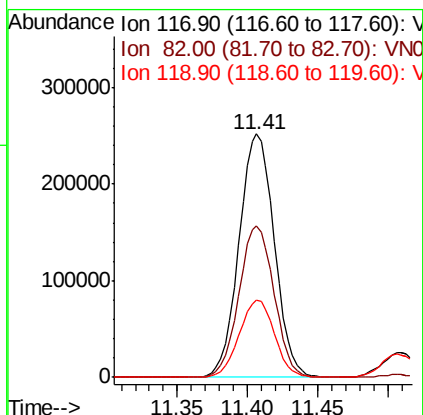
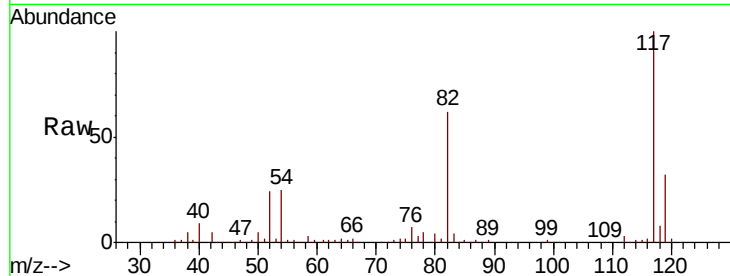




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

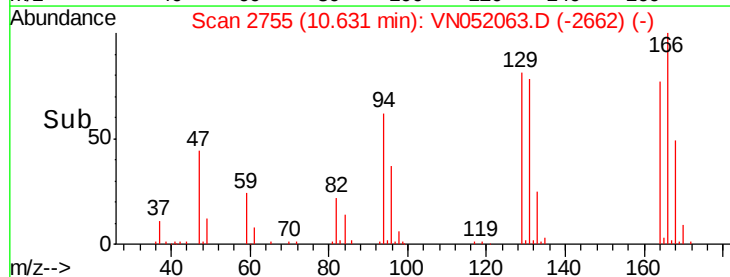
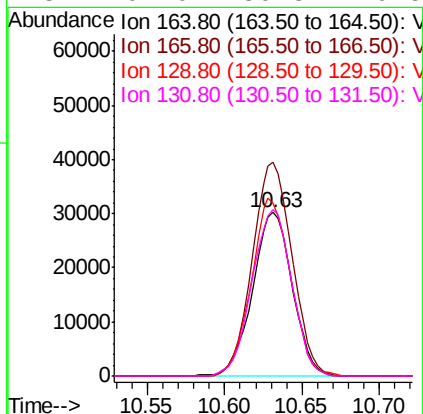
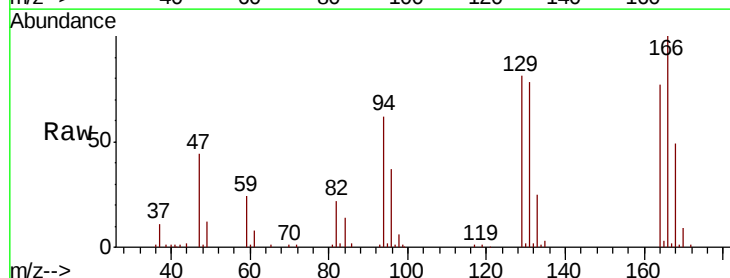
Instrument :
MSVOA_N
ClientSampleId :
VN1030WBS01

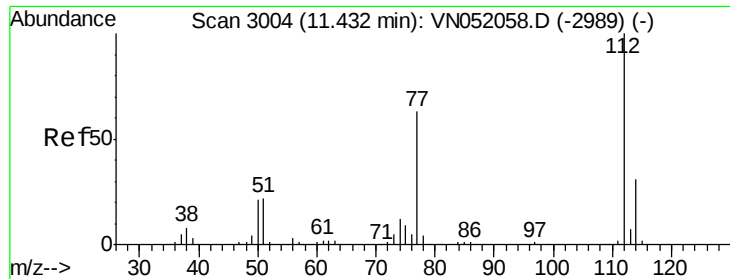
Tgt Ion:117 Resp: 441341
Ion Ratio Lower Upper
117 100
82 62.0 49.9 74.9
119 31.6 25.7 38.5



#64
Tetrachloroethene
Concen: 20.179 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Tgt Ion:164 Resp: 53953
Ion Ratio Lower Upper
164 100
166 130.6 105.4 158.0
129 105.9 86.1 129.1
131 102.0 80.3 120.5

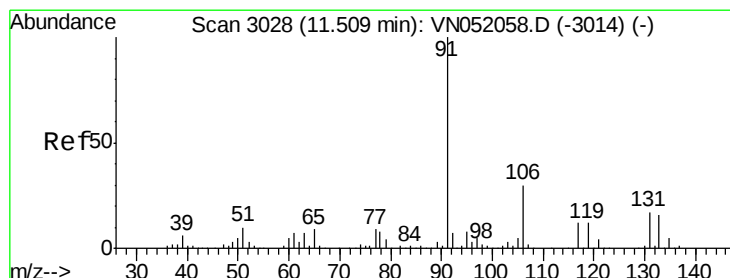
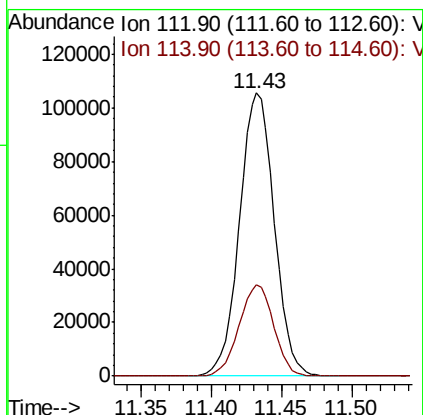
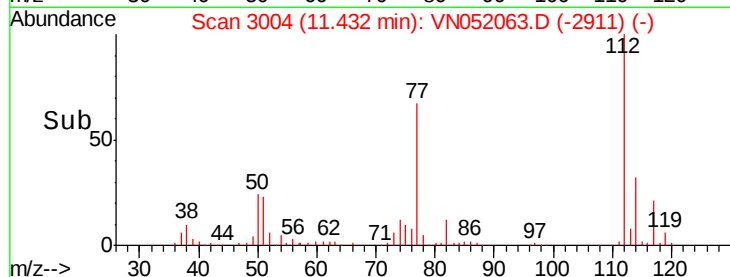
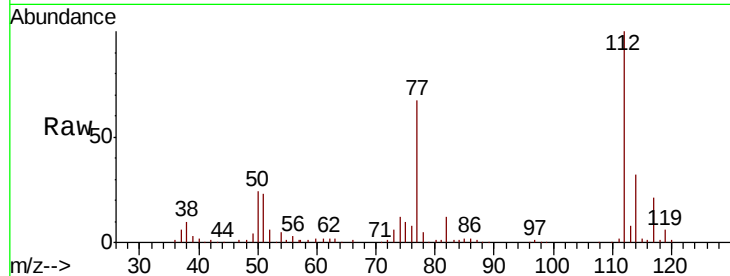




#65
Chlorobenzene
Concen: 19.605 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

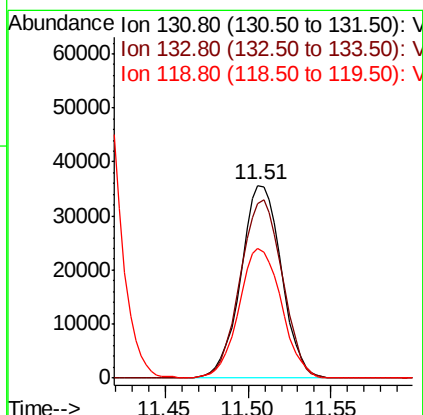
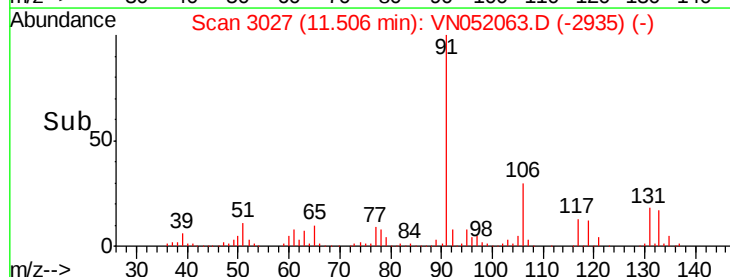
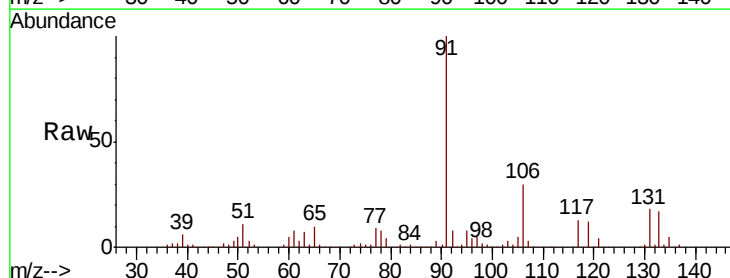
Instrument :
MSVOA_N
ClientSampled :
VN1030WBS01

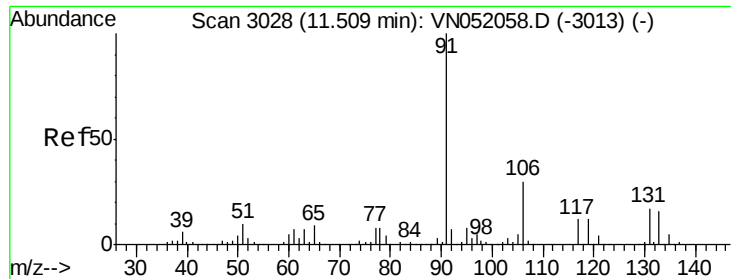
Tgt Ion:112 Resp: 182244
Ion Ratio Lower Upper
112 100
114 32.4 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 20.824 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Tgt Ion:131 Resp: 60781
Ion Ratio Lower Upper
131 100
133 95.7 47.6 142.9
119 70.3 34.4 103.2

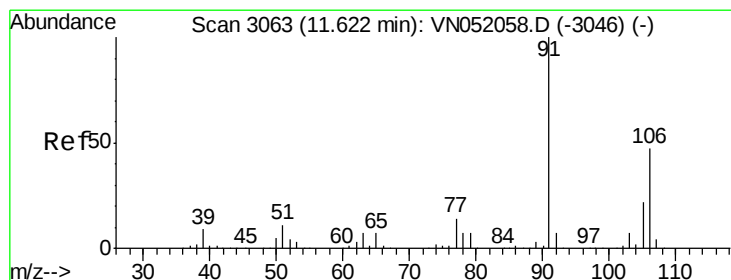
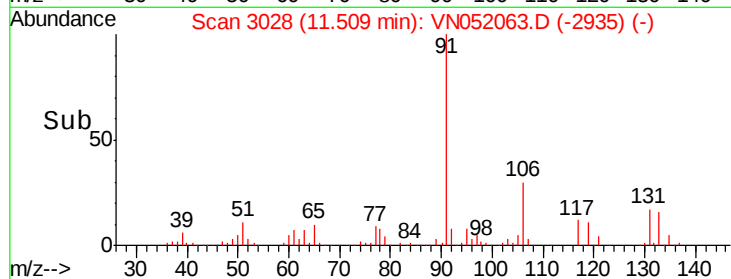
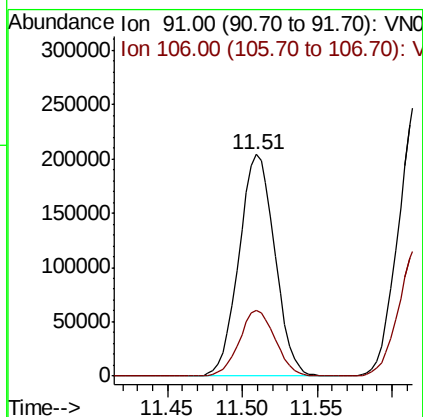
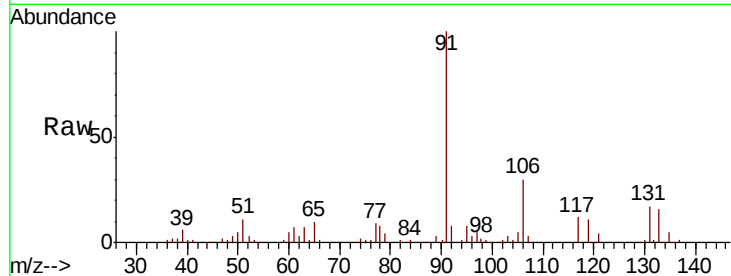




#67
Ethyl Benzene
Concen: 20.502 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

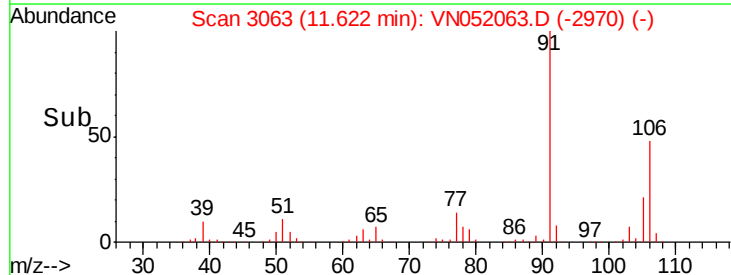
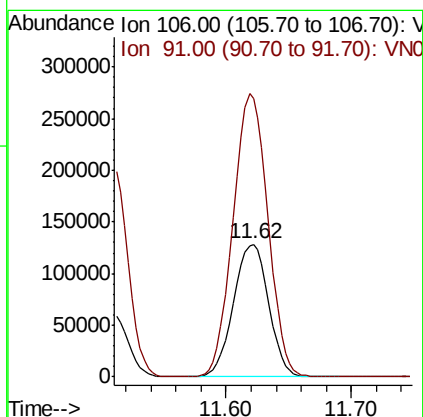
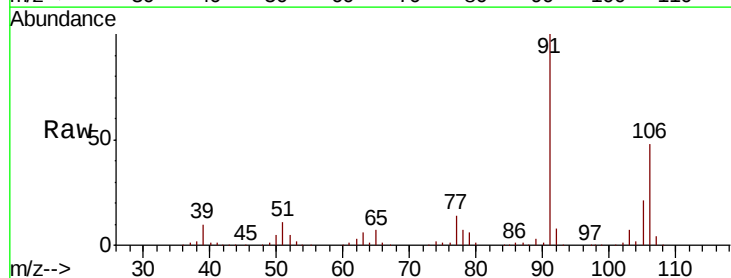
Instrument :
MSVOA_N
ClientSampled :
VN1030WBS01

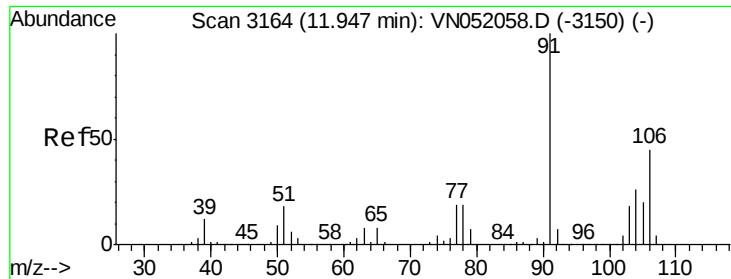
Tgt Ion: 91 Resp: 339852
Ion Ratio Lower Upper
91 100
106 29.8 24.1 36.1



#68
m/p-Xylenes
Concen: 42.150 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Tgt Ion: 106 Resp: 250090
Ion Ratio Lower Upper
106 100
91 211.9 168.7 253.1

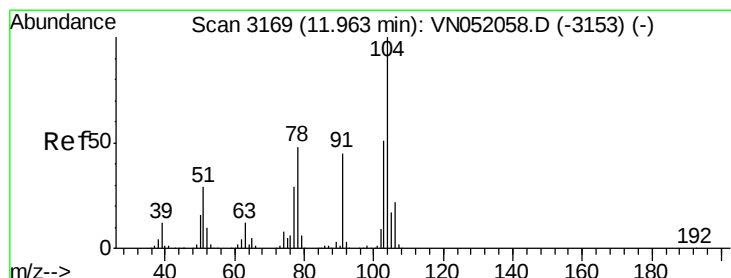
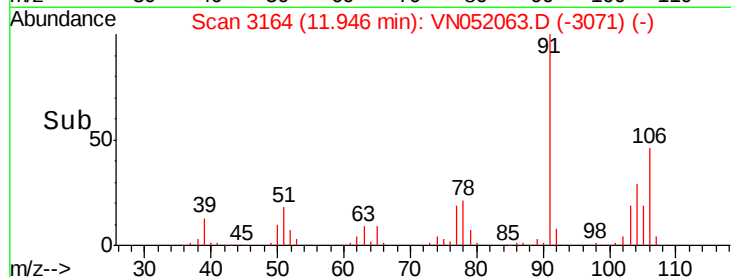
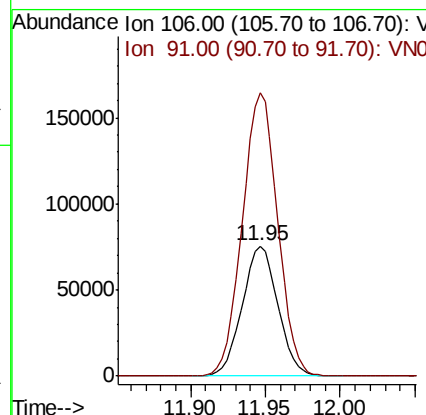
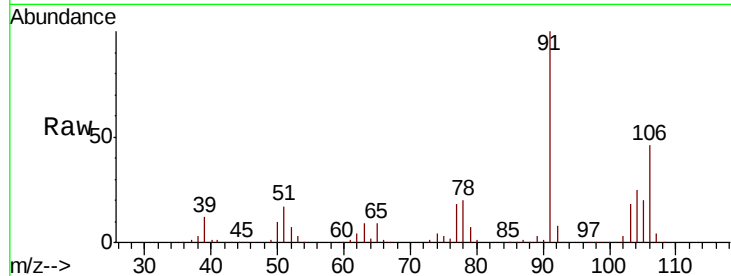




#69
o-Xylene
Concen: 21.354 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

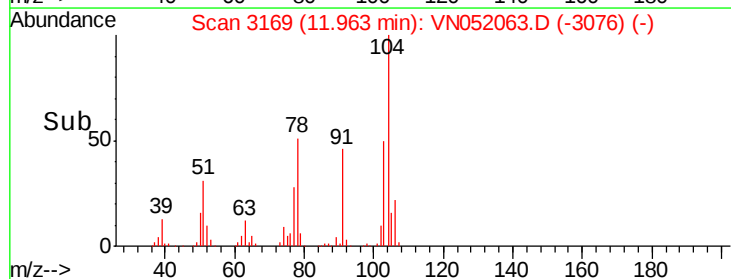
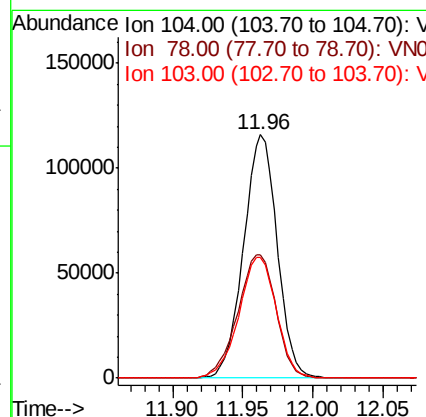
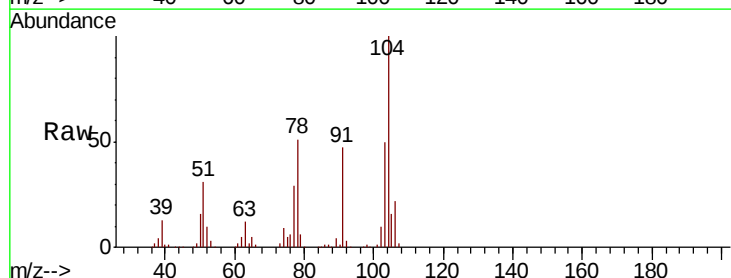
Instrument :
MSVOA_N
ClientSampleId :
VN1030WBS01

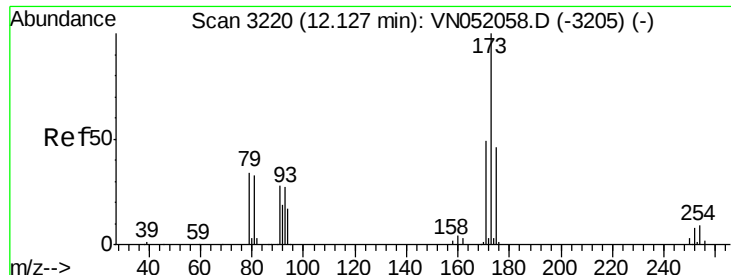
Tgt Ion:106 Resp: 125373
Ion Ratio Lower Upper
106 100
91 215.7 109.6 328.6



#70
Styrene
Concen: 20.431 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Tgt Ion:104 Resp: 194095
Ion Ratio Lower Upper
104 100
78 57.4 43.0 64.6
103 55.3 45.1 67.7

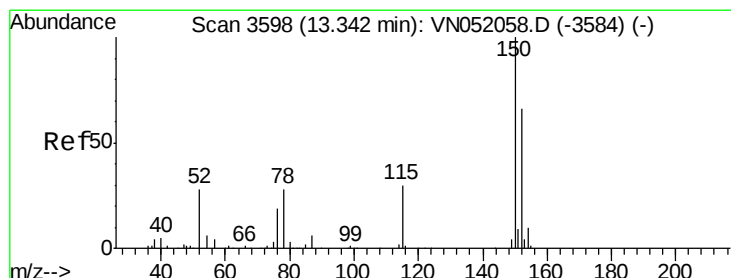
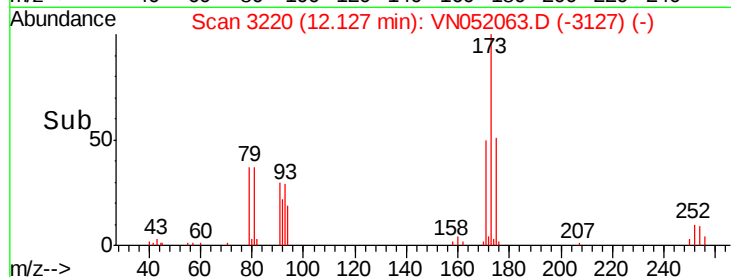
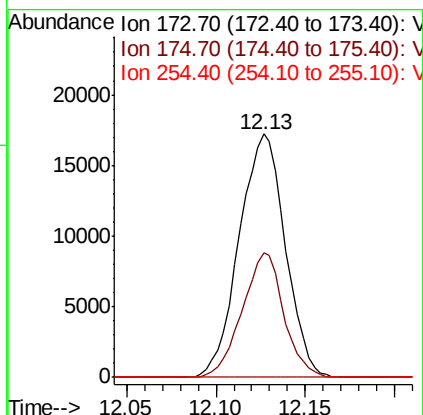
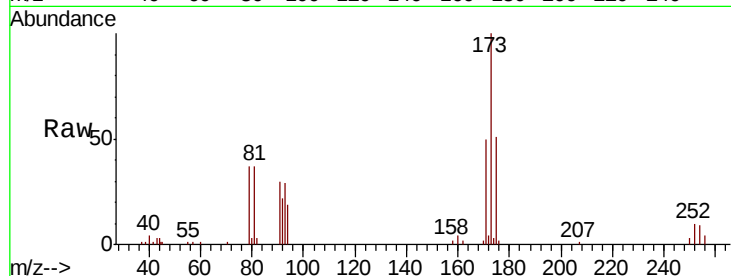




#71
 Bromoform
 Concen: 17.969 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN052063.D
 Acq: 30 Oct 2018 14:43

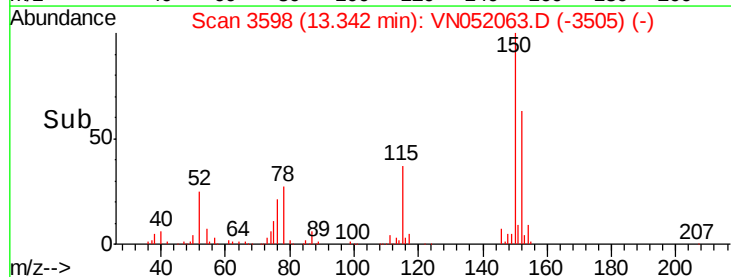
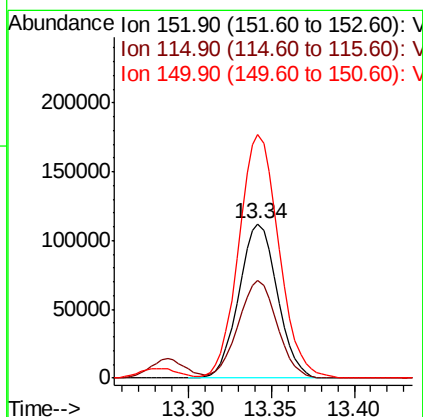
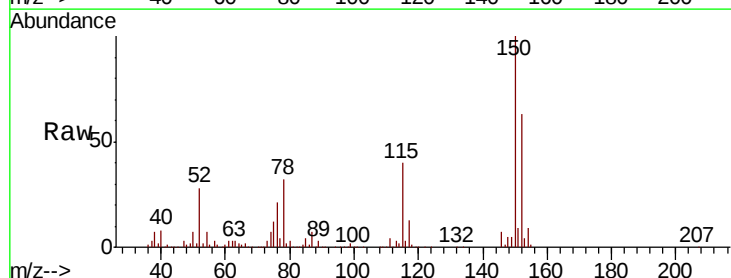
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBS01

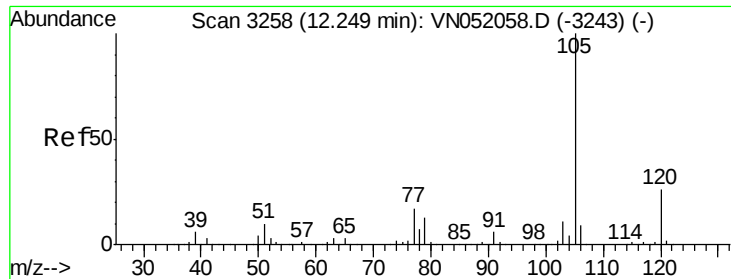
Tgt Ion:173 Resp: 30968
 Ion Ratio Lower Upper
 173 100
 175 46.1 23.9 71.7
 254 0.0 0.0 0.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. -0.00 min
 Lab File: VN052063.D
 Acq: 30 Oct 2018 14:43

Tgt Ion:152 Resp: 180531
 Ion Ratio Lower Upper
 152 100
 115 64.0 31.6 95.0
 150 164.5 0.0 345.0





#73

Isopropylbenzene

Concen: 20.727 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Instrument :

MSVOA_N

ClientSampleId :

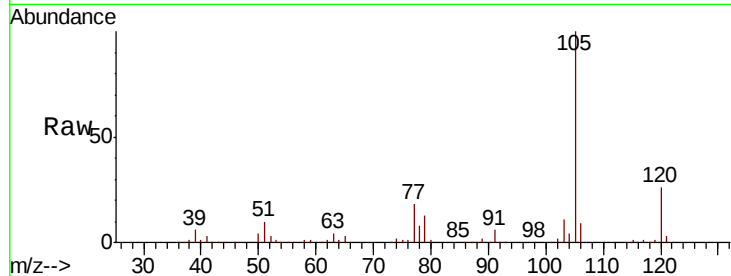
VN1030WBS01

Tgt Ion: 105 Resp: 319987

Ion Ratio Lower Upper

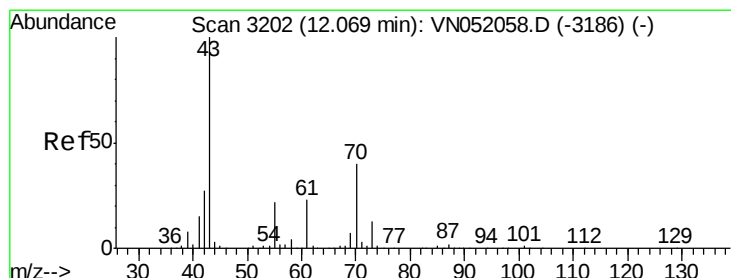
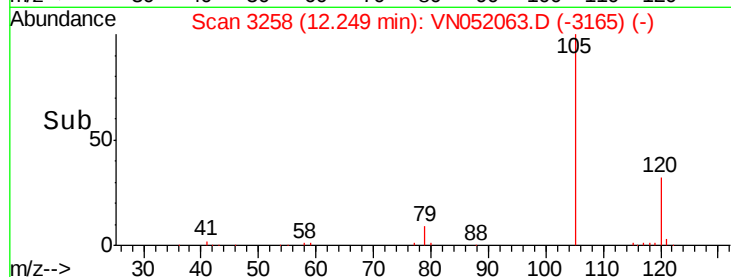
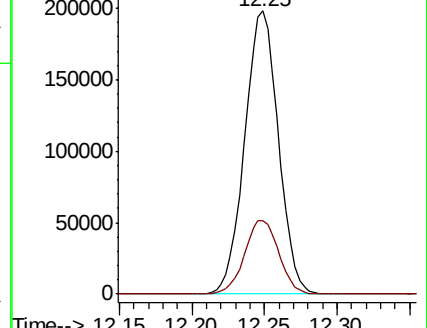
105 100

120 26.6 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.412 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Tgt Ion: 43 Resp: 99198

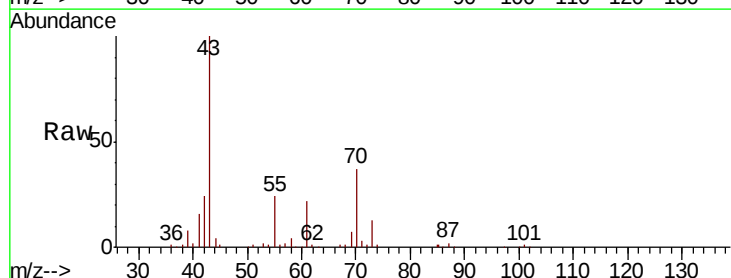
Ion Ratio Lower Upper

43 100

70 37.5 31.9 47.9

55 23.9 18.4 27.6

61 22.3 18.2 27.4

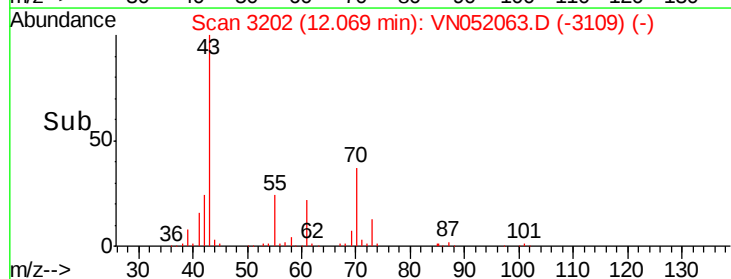
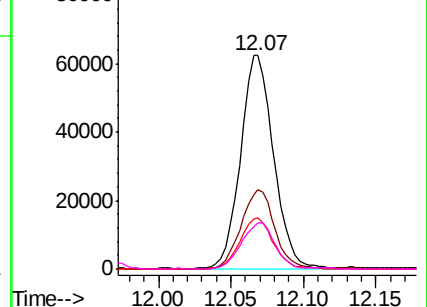


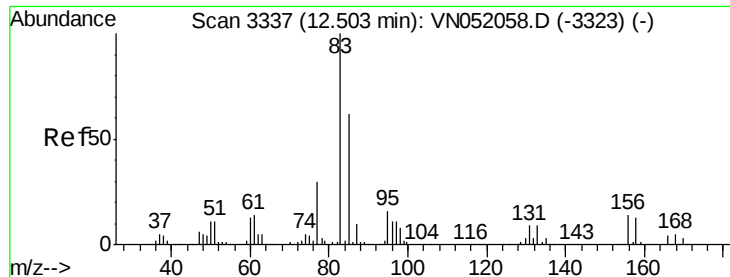
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.980 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBS01

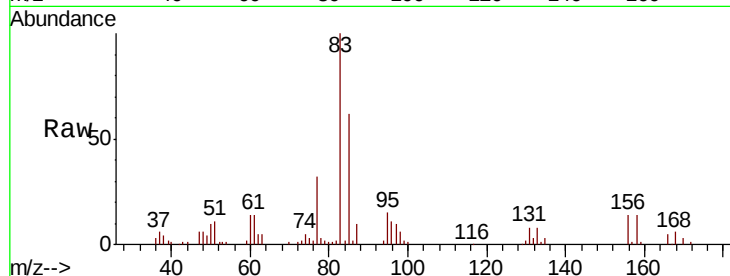
Tgt Ion: 83 Resp: 70263

Ion Ratio Lower Upper

83 100

131 9.1 4.5 13.4

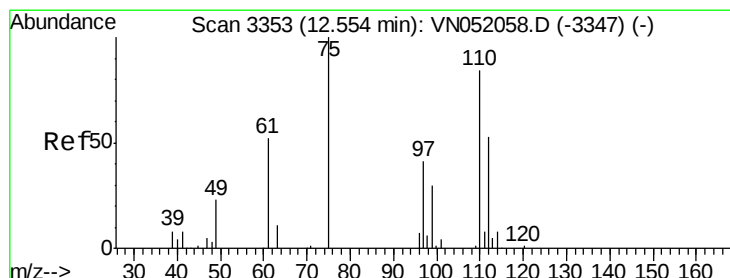
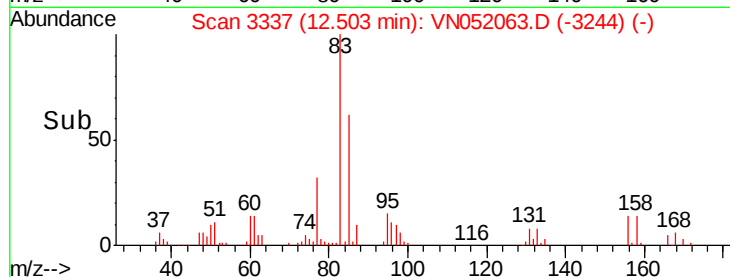
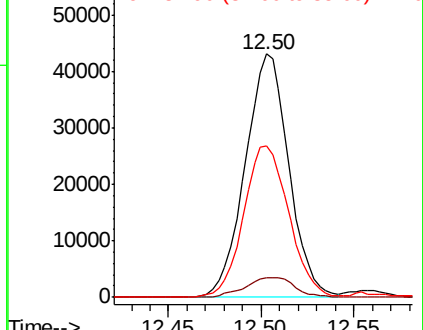
85 64.6 31.3 93.9



Abundance Ion 82.90 (82.60 to 83.60): VN052058.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN052058.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN052058.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 27.304 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN052063.D

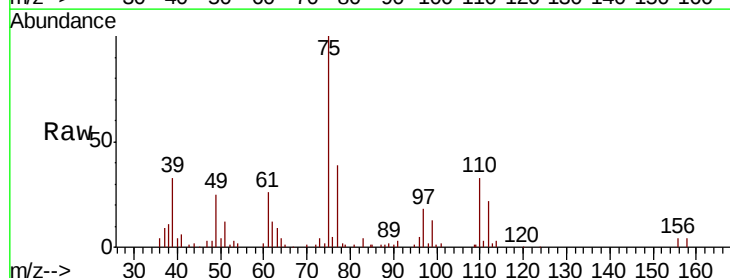
Acq: 30 Oct 2018 14:43

Tgt Ion: 75 Resp: 90232

Ion Ratio Lower Upper

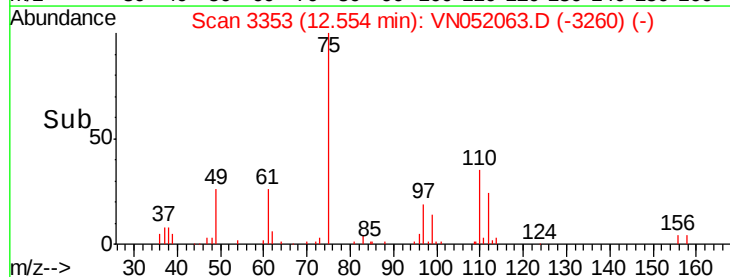
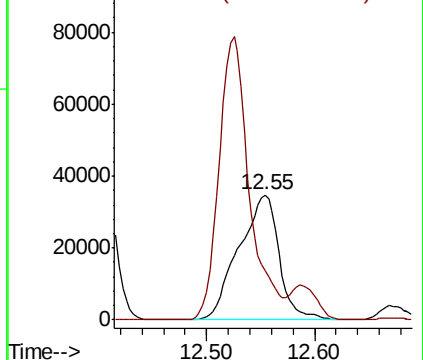
75 100

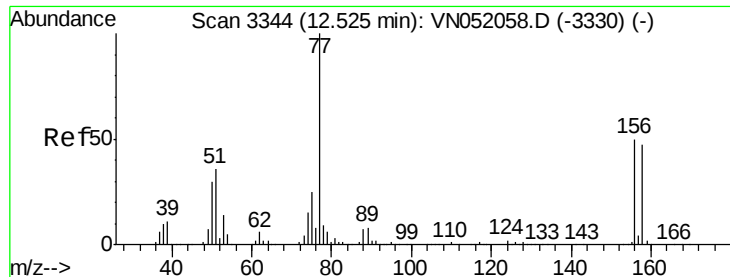
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN052058.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN052058.D (-3347) (-)





#77

Bromobenzene

Concen: 19.888 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Instrument :

MSVOA_N

ClientSampled :

VN1030WBS01

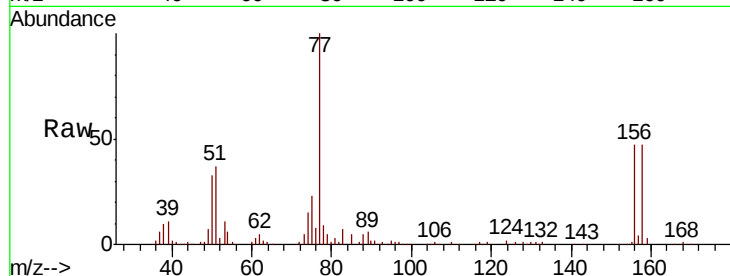
Tgt Ion:156 Resp: 64241

Ion Ratio Lower Upper

156 100

77 238.3 119.6 358.6

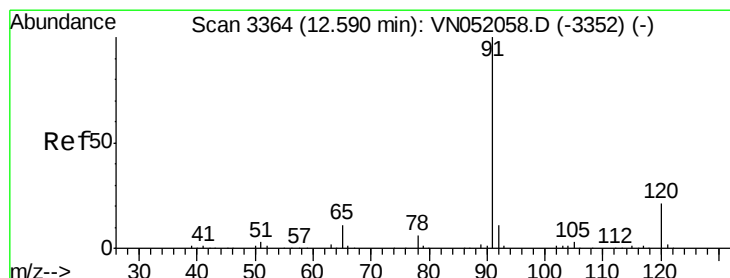
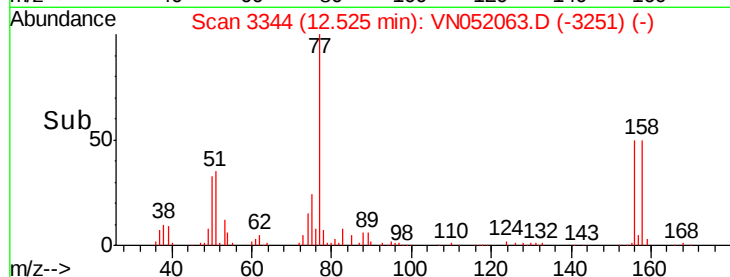
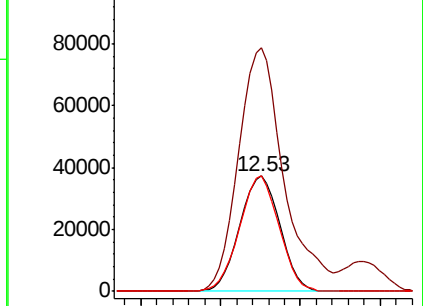
158 97.7 47.8 143.4



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: 20.779 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN052063.D

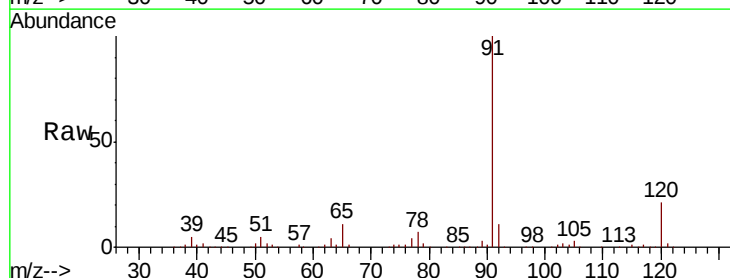
Acq: 30 Oct 2018 14:43

Tgt Ion: 91 Resp: 388700

Ion Ratio Lower Upper

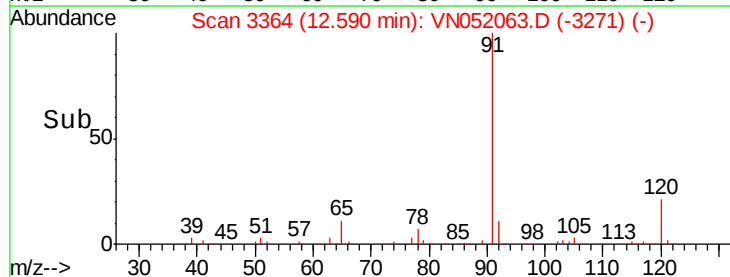
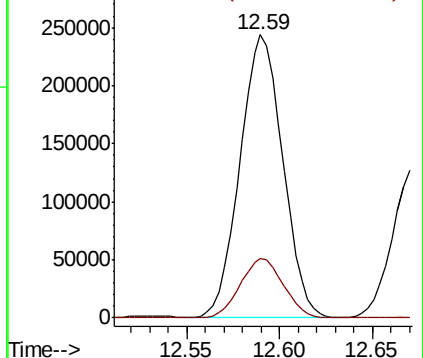
91 100

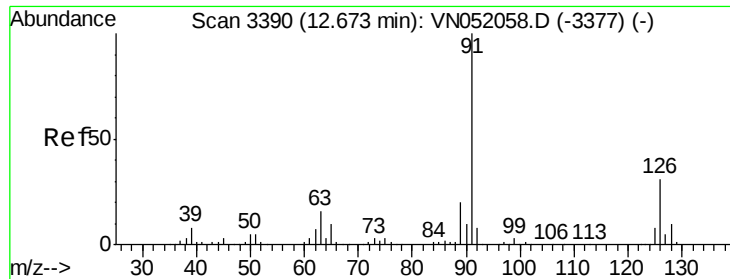
120 21.2 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

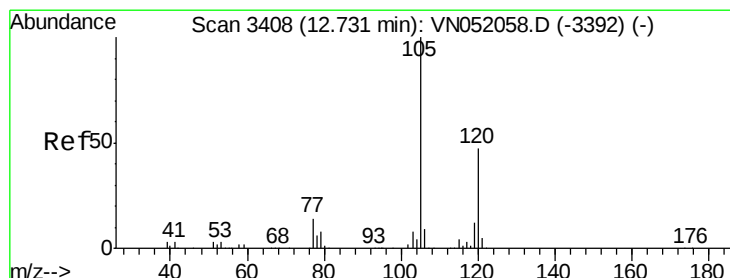
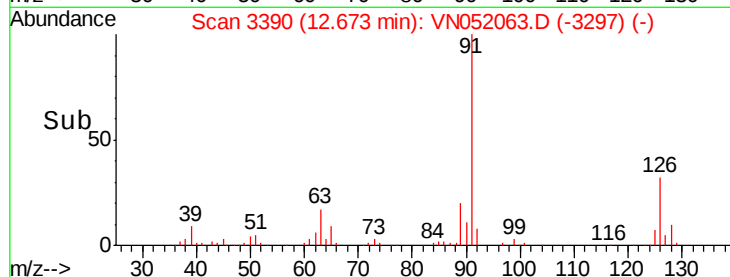
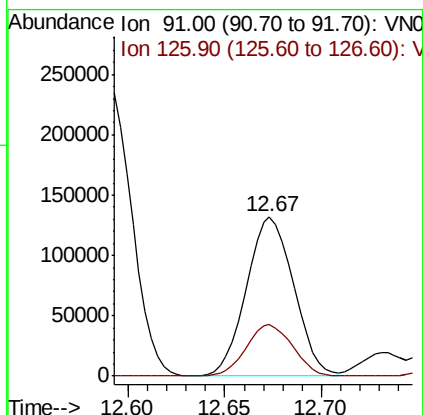
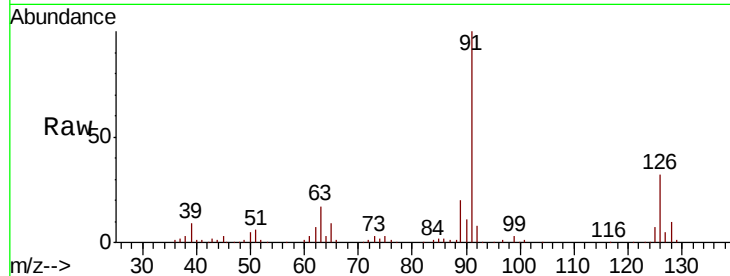




#79
 2-Chlorotoluene
 Concen: 20.509 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN052063.D
 Acq: 30 Oct 2018 14:43

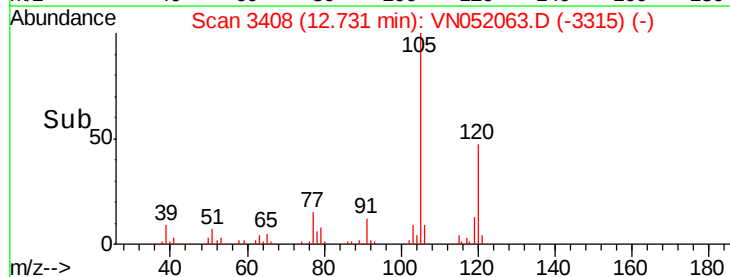
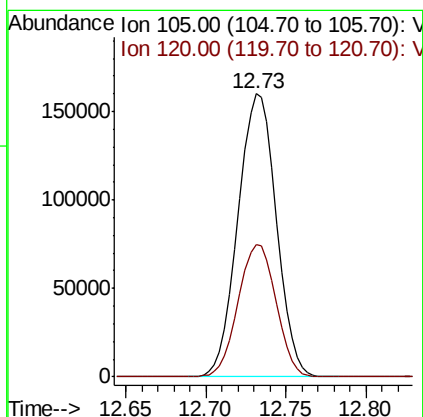
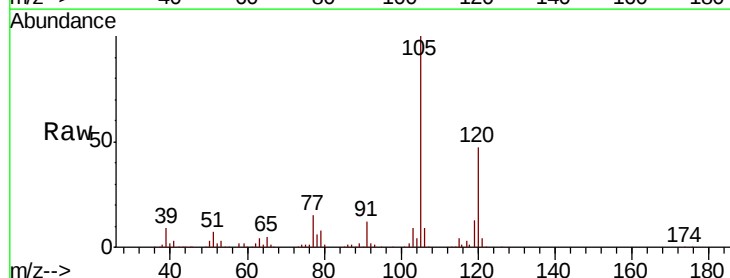
Instrument :
 MSVOA_N
 ClientSampled :
 VN1030WBS01

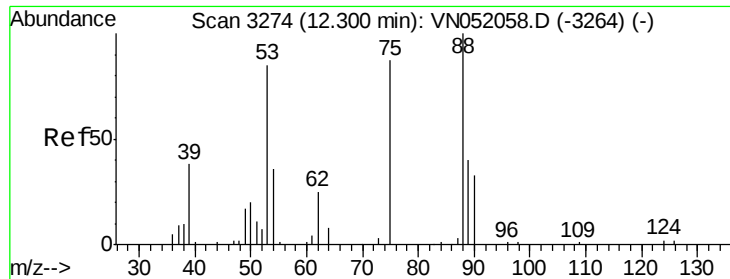
Tgt Ion: 91 Resp: 223647
 Ion Ratio Lower Upper
 91 100
 126 32.0 15.9 47.6



#80
 1,3,5-Trimethylbenzene
 Concen: 20.797 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN052063.D
 Acq: 30 Oct 2018 14:43

Tgt Ion: 105 Resp: 261264
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 15.894 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Instrument :

MSVOA_N

ClientSampled :

VN1030WBS01

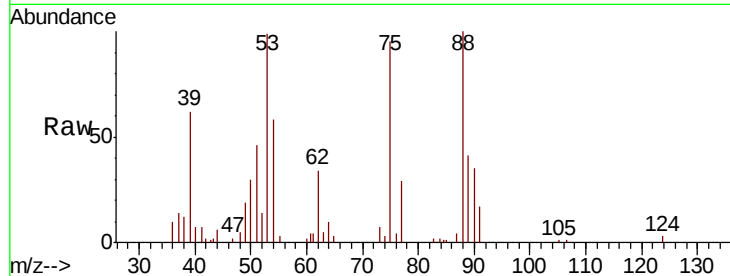
Tgt Ion: 75 Resp: 15825

Ion Ratio Lower Upper

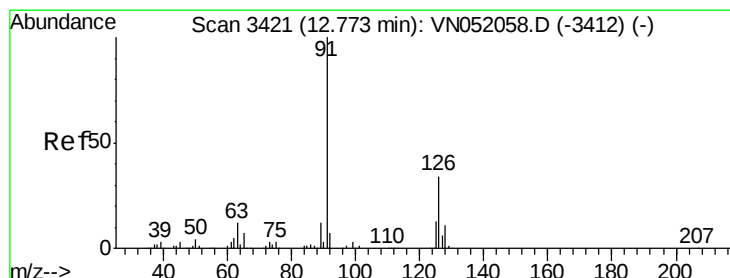
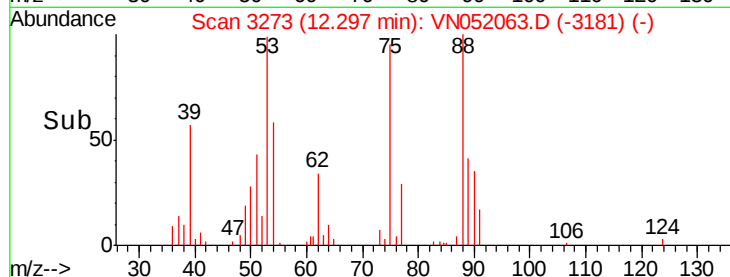
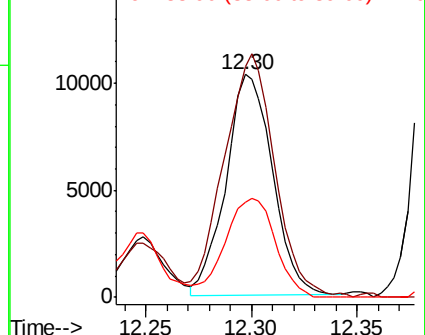
75 100

53 120.5 81.8 122.6

89 48.6 36.6 54.8



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: 21.206 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052063.D

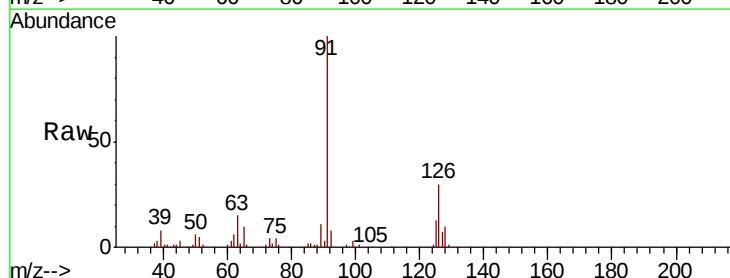
Acq: 30 Oct 2018 14:43

Tgt Ion: 91 Resp: 235809

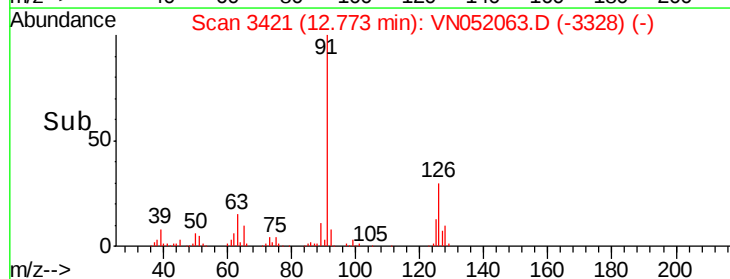
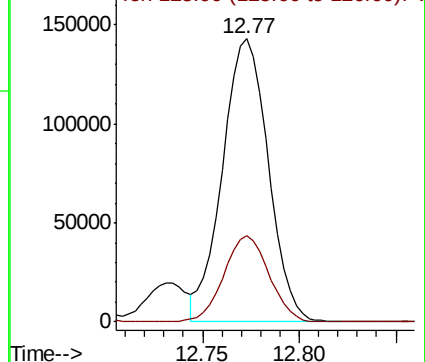
Ion Ratio Lower Upper

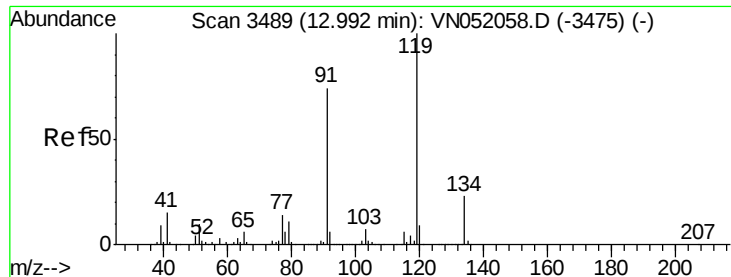
91 100

126 30.0 15.7 47.1



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

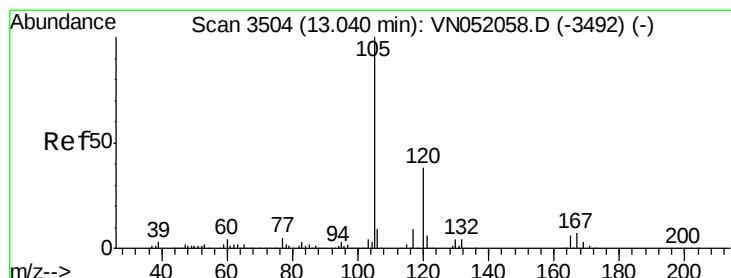
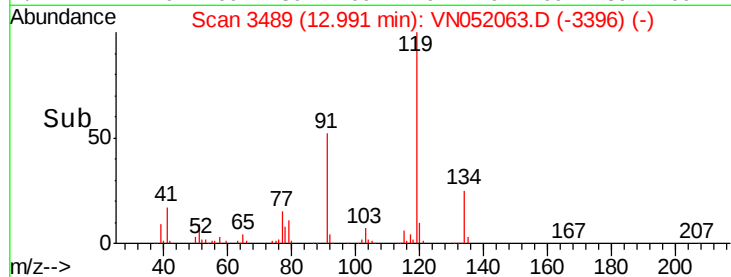
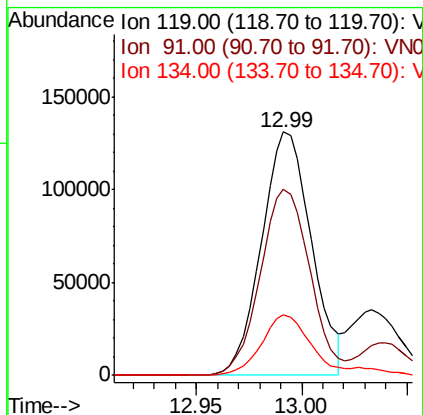
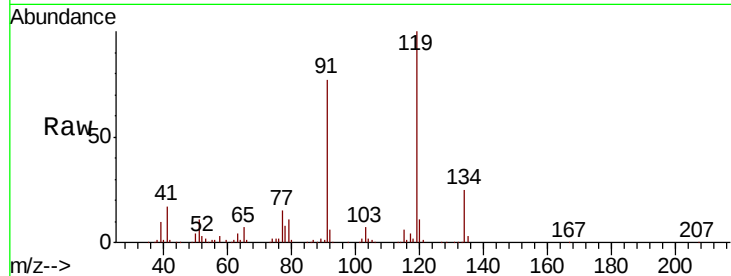




#83
 tert-Butylbenzene
 Concen: 20.441 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN052063.D
 Acq: 30 Oct 2018 14:43

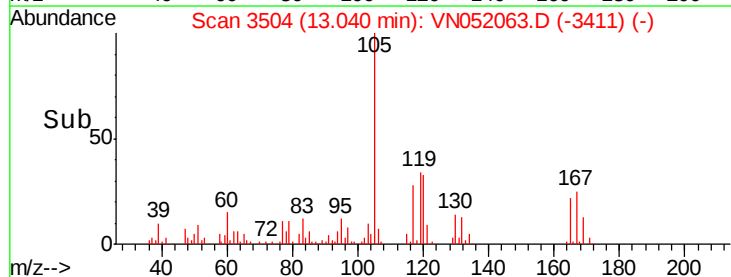
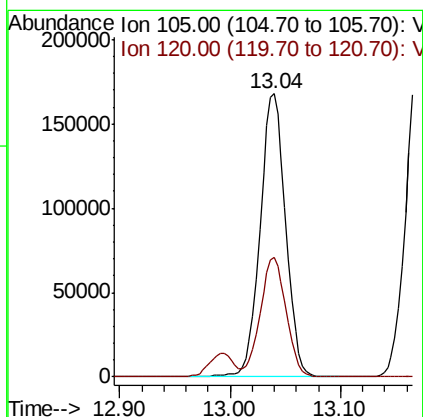
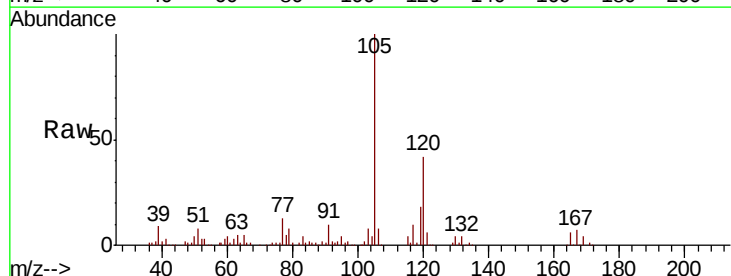
Instrument :
 MSVOA_N
 ClientSampled :
 VN1030WBS01

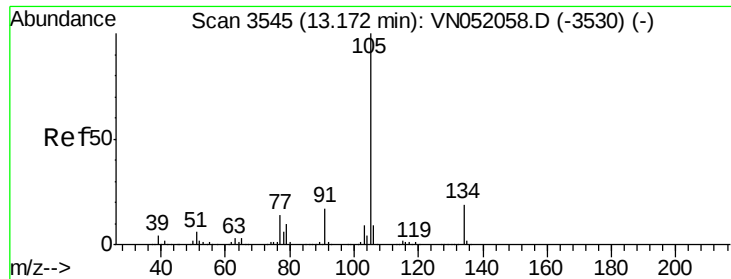
Tgt Ion:119 Resp: 215716
 Ion Ratio Lower Upper
 119 100
 91 76.4 36.6 109.9
 134 24.2 12.5 37.5



#84
 1,2,4-Trimethylbenzene
 Concen: 21.524 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052063.D
 Acq: 30 Oct 2018 14:43

Tgt Ion:105 Resp: 269147
 Ion Ratio Lower Upper
 105 100
 120 42.5 21.9 65.5

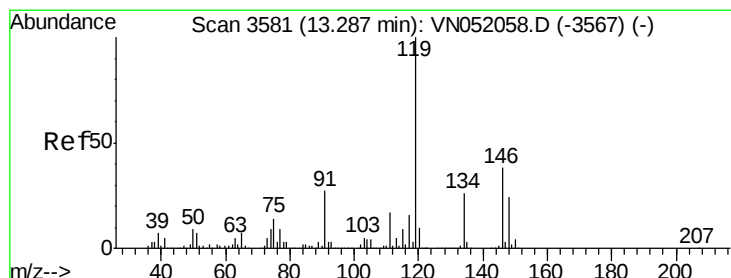
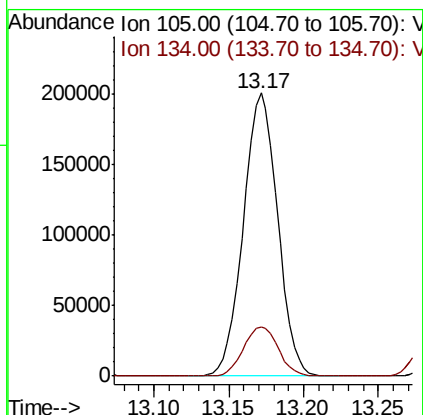
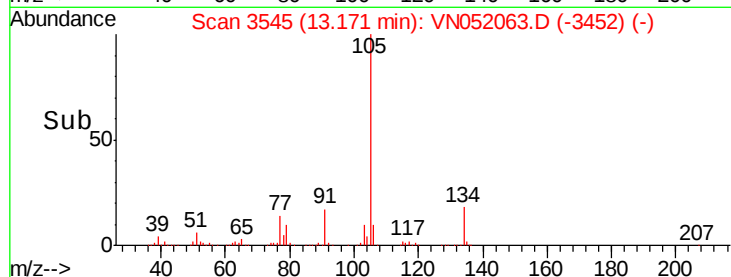
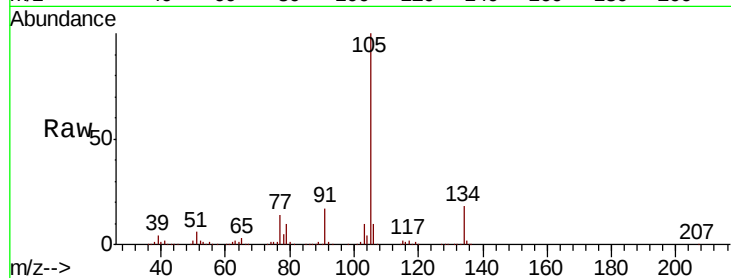




#85
 sec-Butylbenzene
 Concen: 21.200 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052063.D
 Acq: 30 Oct 2018 14:43

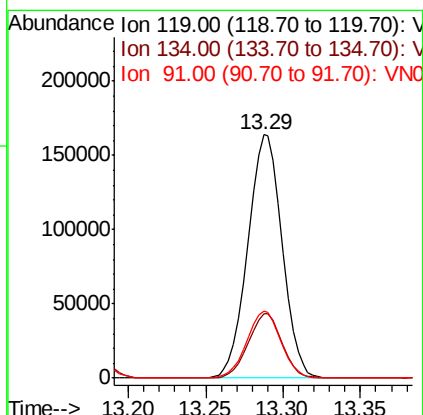
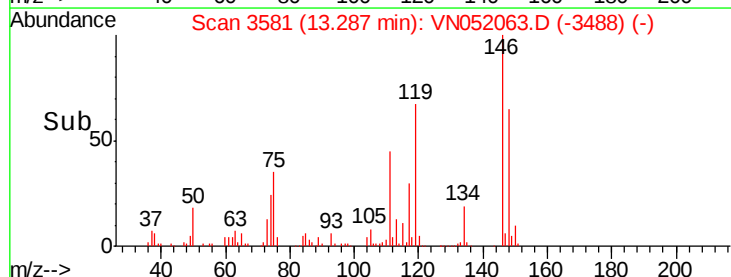
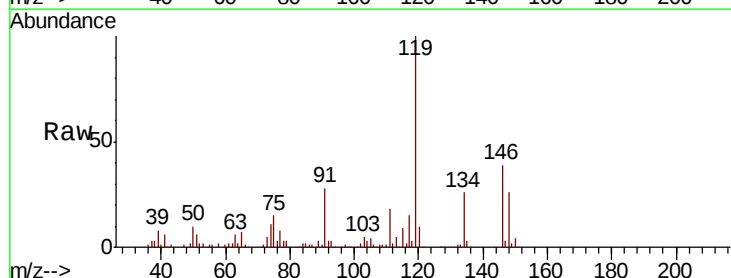
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBS01

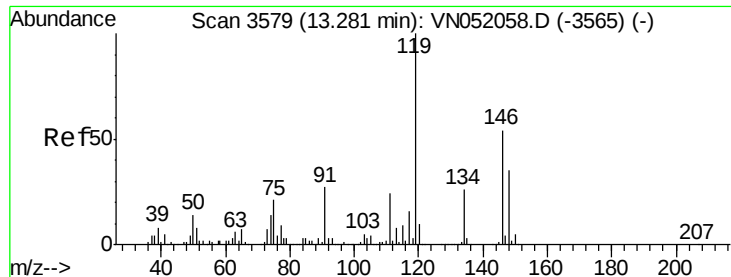
Tgt Ion:105 Resp: 319599
 Ion Ratio Lower Upper
 105 100
 134 17.8 9.1 27.3



#86
 p-Isopropyltoluene
 Concen: 20.699 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN052063.D
 Acq: 30 Oct 2018 14:43

Tgt Ion:119 Resp: 254139
 Ion Ratio Lower Upper
 119 100
 134 26.0 12.8 38.3
 91 27.4 13.4 40.2





#87

1,3-Dichlorobenzene

Concen: 19.981 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBS01

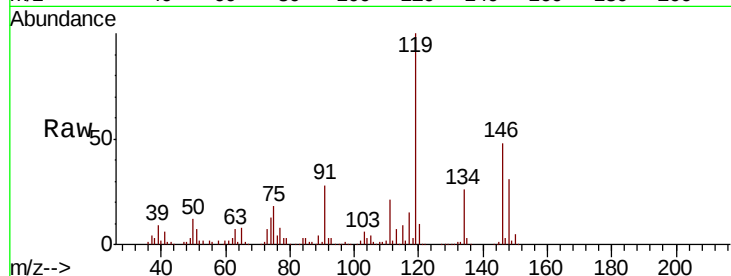
Tgt Ion:146 Resp: 117701

Ion Ratio Lower Upper

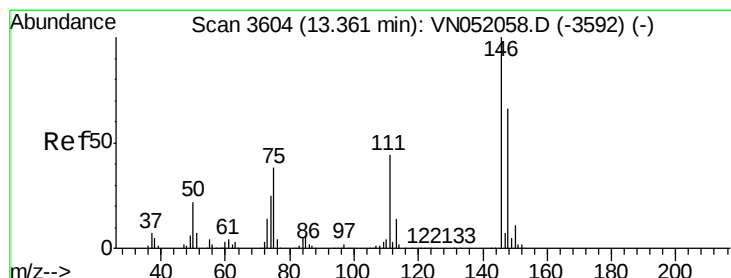
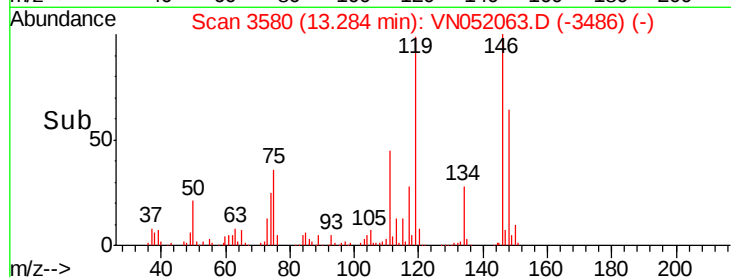
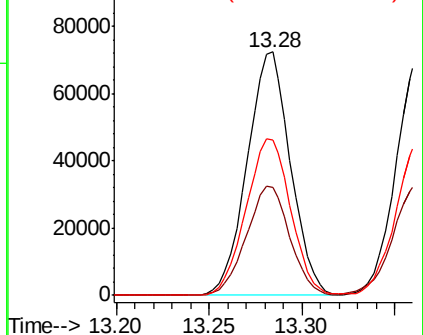
146 100

111 45.0 22.9 68.8

148 66.3 31.8 95.4



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: 19.881 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

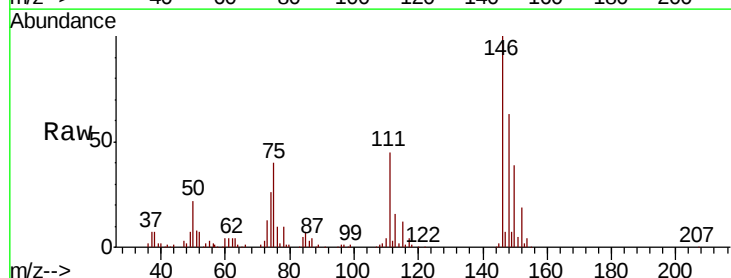
Tgt Ion:146 Resp: 117374

Ion Ratio Lower Upper

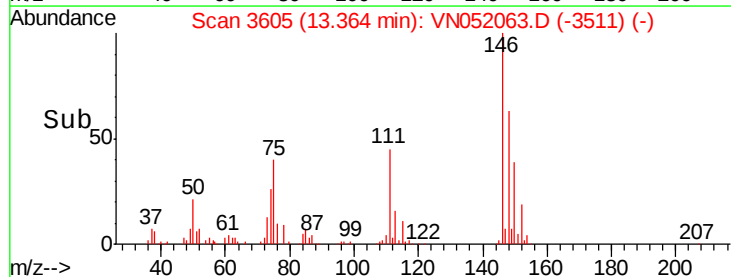
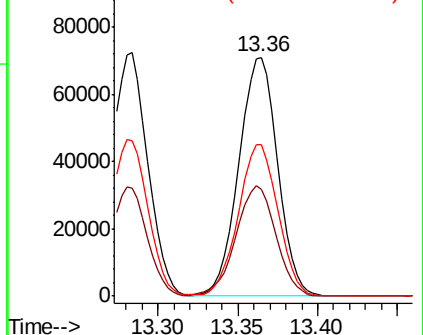
146 100

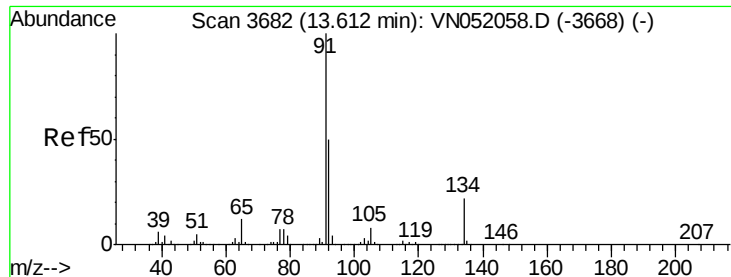
111 47.8 21.9 65.8

148 64.9 32.6 98.0



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

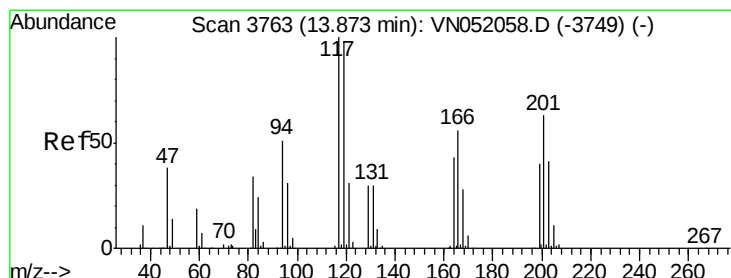
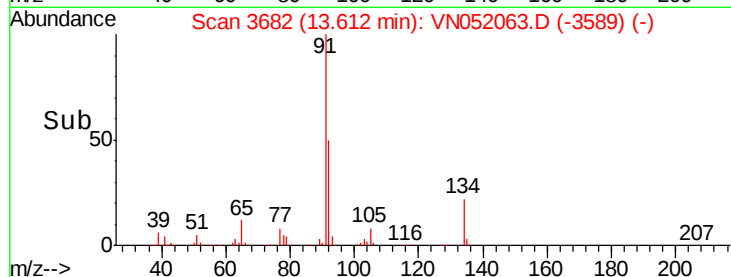
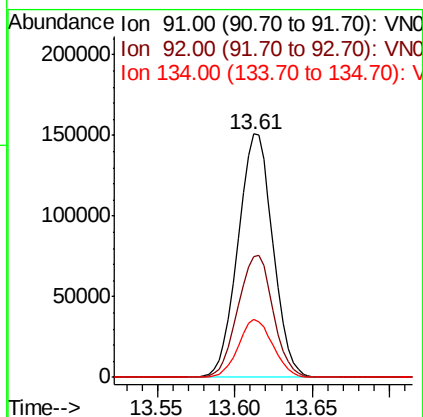
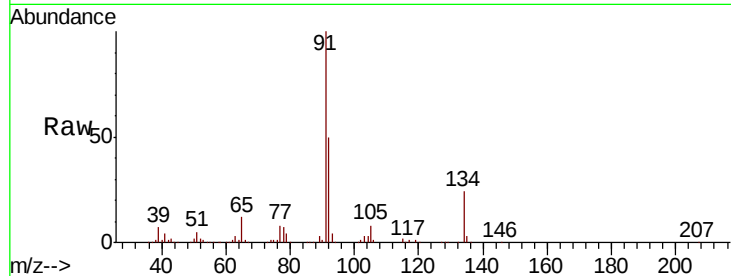




#89
n-Butylbenzene
Concen: 20.199 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

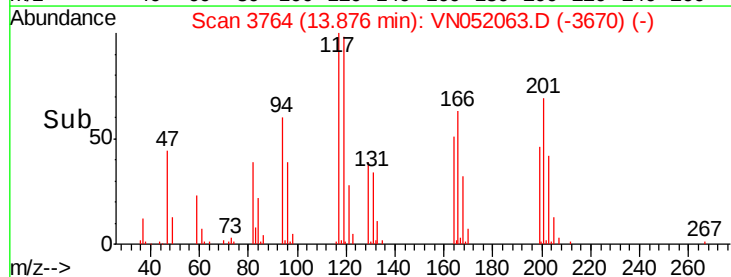
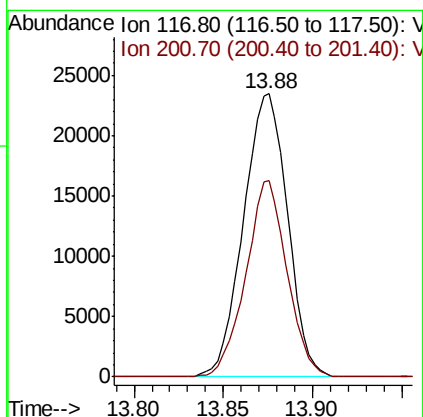
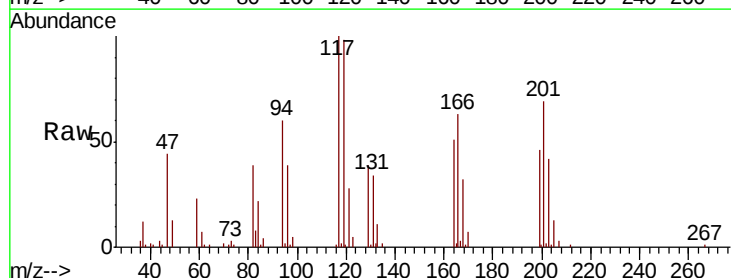
Instrument :
MSVOA_N
ClientSampleId :
VN1030WBS01

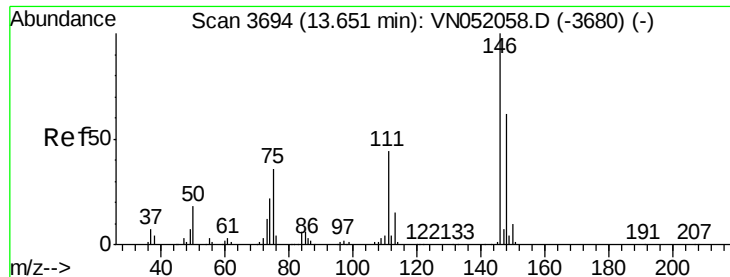
Tgt Ion: 91 Resp: 236506
Ion Ratio Lower Upper
91 100
92 50.7 25.3 75.8
134 23.3 11.2 33.5



#90
Hexachloroethane
Concen: 19.294 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Tgt Ion: 117 Resp: 40595
Ion Ratio Lower Upper
117 100
201 64.8 31.1 93.5

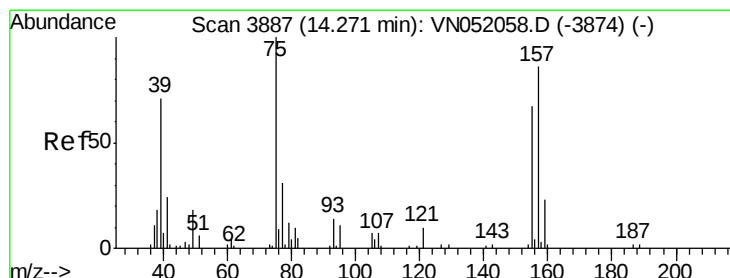
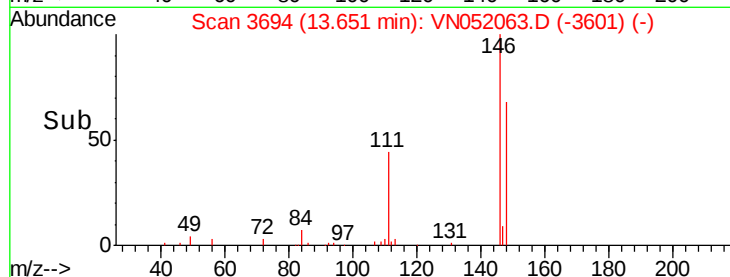
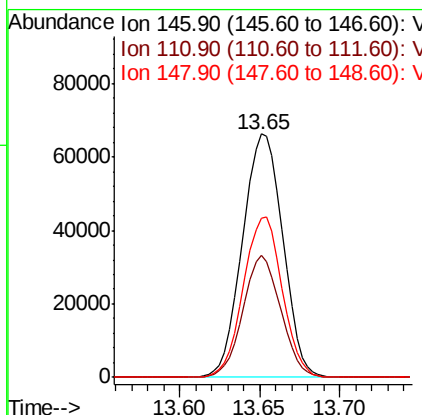
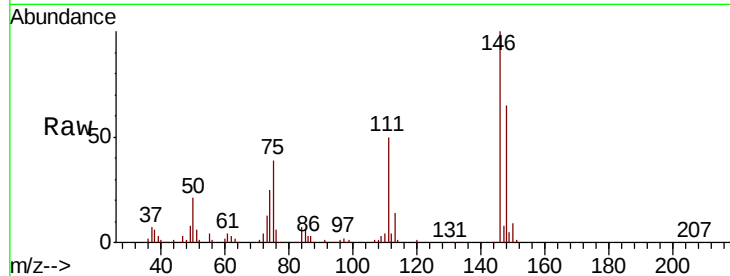




#91
 1,2-Dichlorobenzene
 Concen: 20.586 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN052063.D
 Acq: 30 Oct 2018 14:43

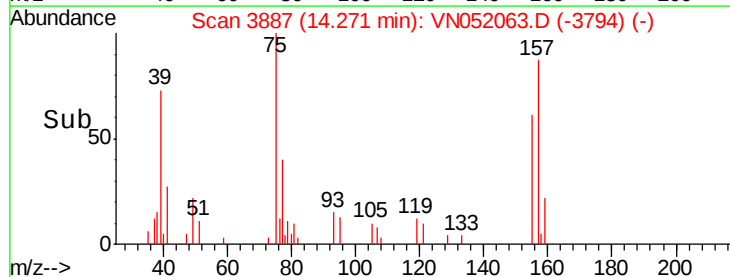
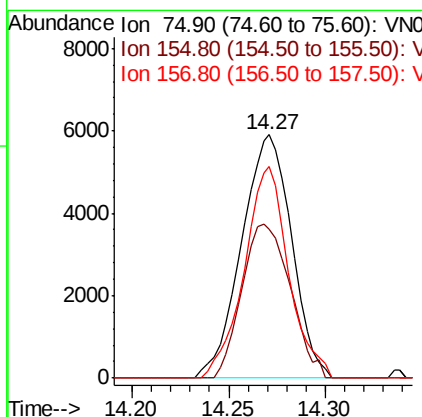
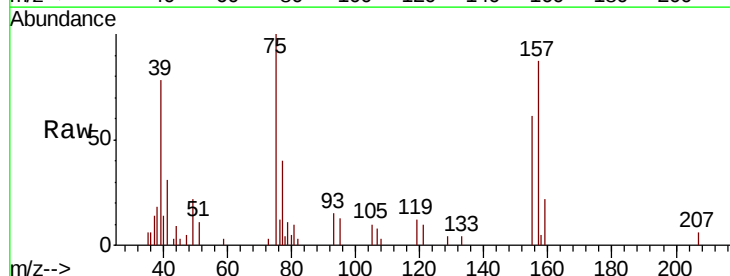
Instrument :
 MSVOA_N
 ClientSampled :
 VN1030WBS01

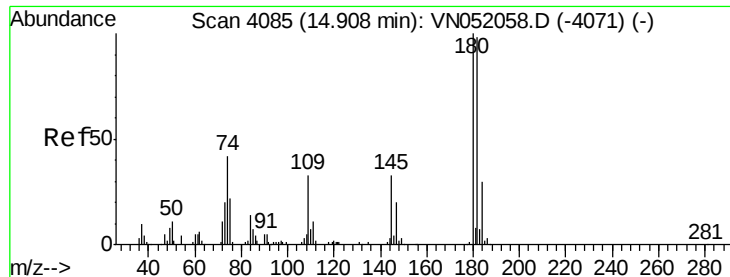
Tgt Ion: 146 Resp: 114011
 Ion Ratio Lower Upper
 146 100
 111 46.9 22.5 67.5
 148 63.4 30.9 92.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.408 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052063.D
 Acq: 30 Oct 2018 14:43

Tgt Ion: 75 Resp: 10594
 Ion Ratio Lower Upper
 75 100
 155 61.3 34.0 102.0
 157 77.5 42.1 126.4

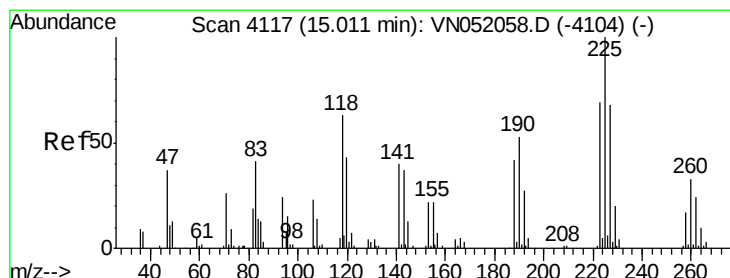
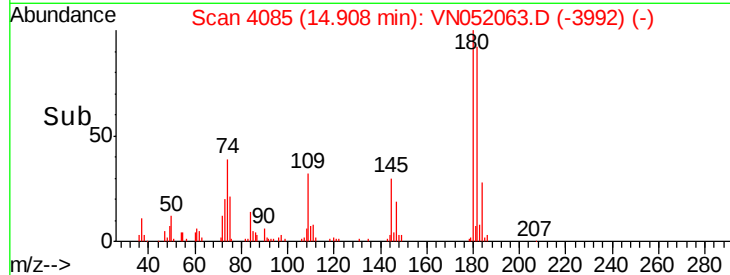
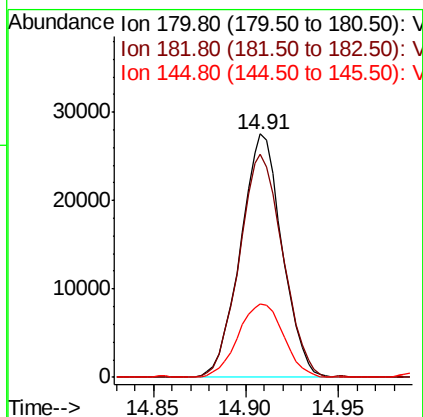
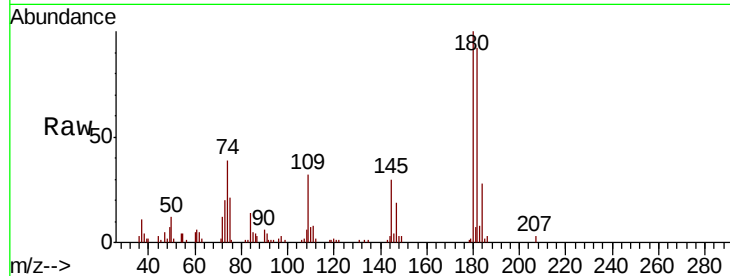




#93
 1,2,4-Trichlorobenzene
 Concen: 20.702 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052063.D
 Acq: 30 Oct 2018 14:43

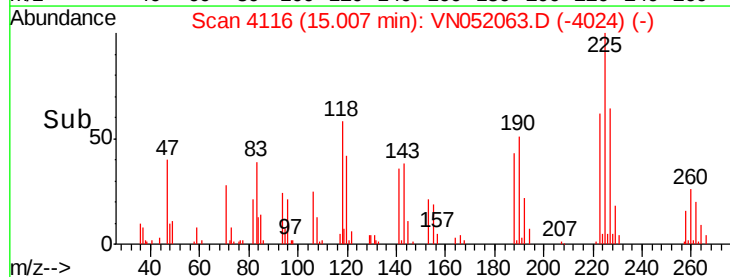
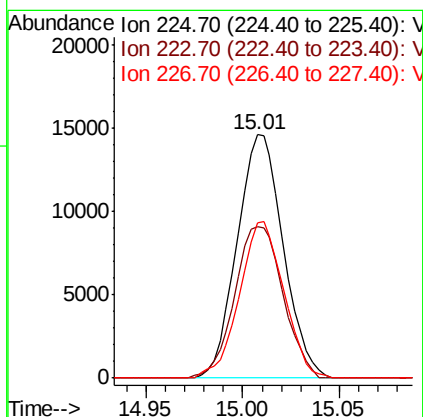
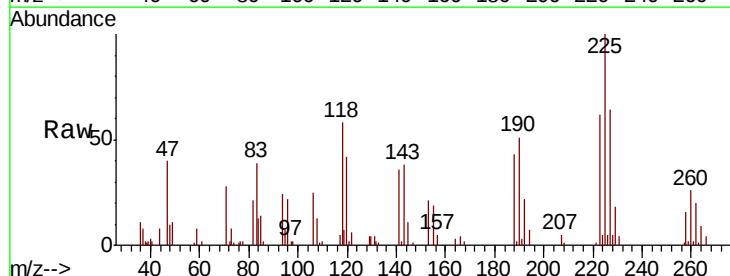
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBS01

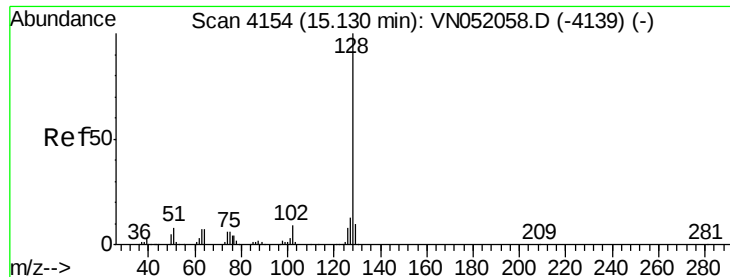
Tgt Ion:180 Resp: 42693
 Ion Ratio Lower Upper
 180 100
 182 95.9 49.1 147.4
 145 33.0 16.4 49.2



#94
 Hexachlorobutadiene
 Concen: 21.010 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN052063.D
 Acq: 30 Oct 2018 14:43

Tgt Ion:225 Resp: 24251
 Ion Ratio Lower Upper
 225 100
 223 65.1 33.1 99.3
 227 61.8 32.6 97.8





#95

Naphthalene

Concen: 19.287 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBS01

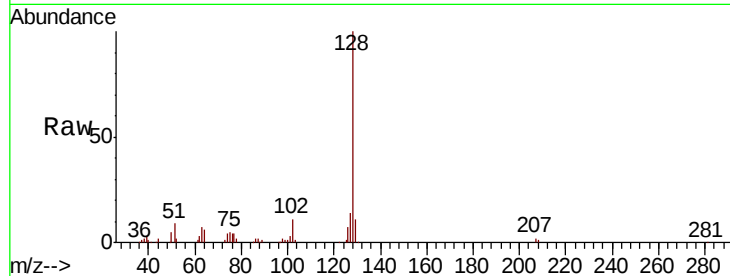
Tgt Ion:128 Resp: 99766

Ion Ratio Lower Upper

128 100

127 14.1 10.5 15.7

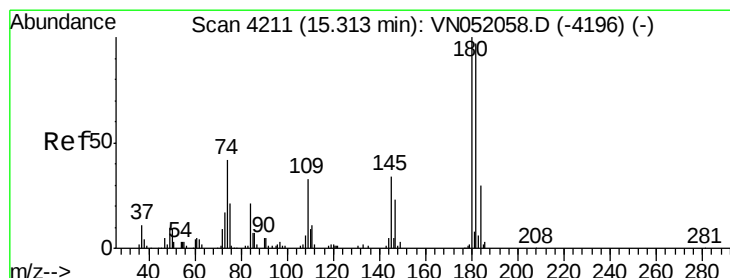
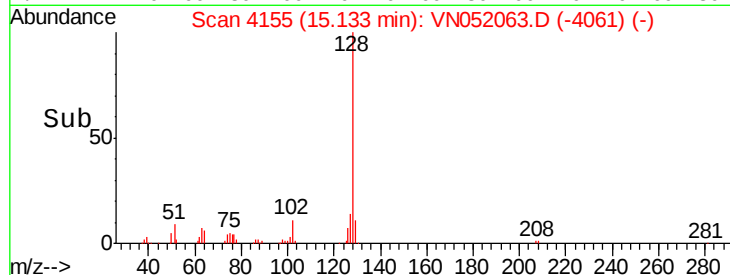
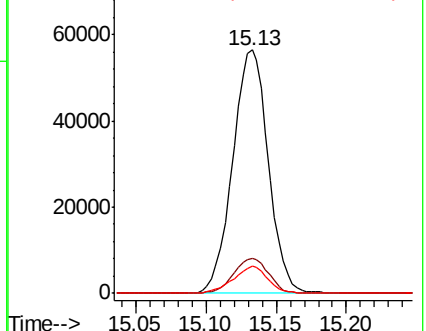
129 10.8 8.6 12.8



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: 20.867 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

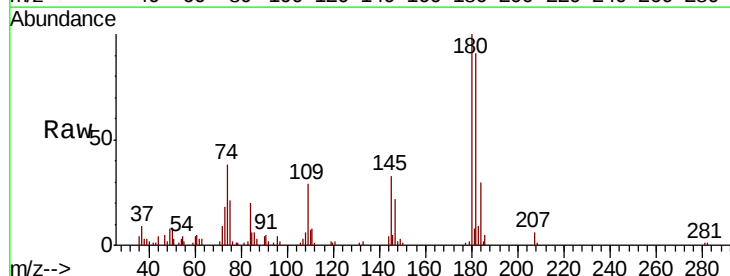
Tgt Ion:180 Resp: 37136

Ion Ratio Lower Upper

180 100

182 90.9 47.2 141.6

145 33.3 16.6 49.7



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

