

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100720\
 Data File : VN063940.D
 Acq On : 7 Oct 2020 14:08
 Operator : JC/MD
 Sample : L4279-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S-1

Quant Time: Oct 08 05:00:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	215770	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	387169	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	403069	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	156792	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	187181	52.51	ug/l	0.00
Spiked Amount			Recovery	=	105.02%	
35) Dibromofluoromethane	7.55	113	136396	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	
50) Toluene-d8	10.06	98	498268	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	
62) 4-Bromofluorobenzene	12.38	95	187207	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	

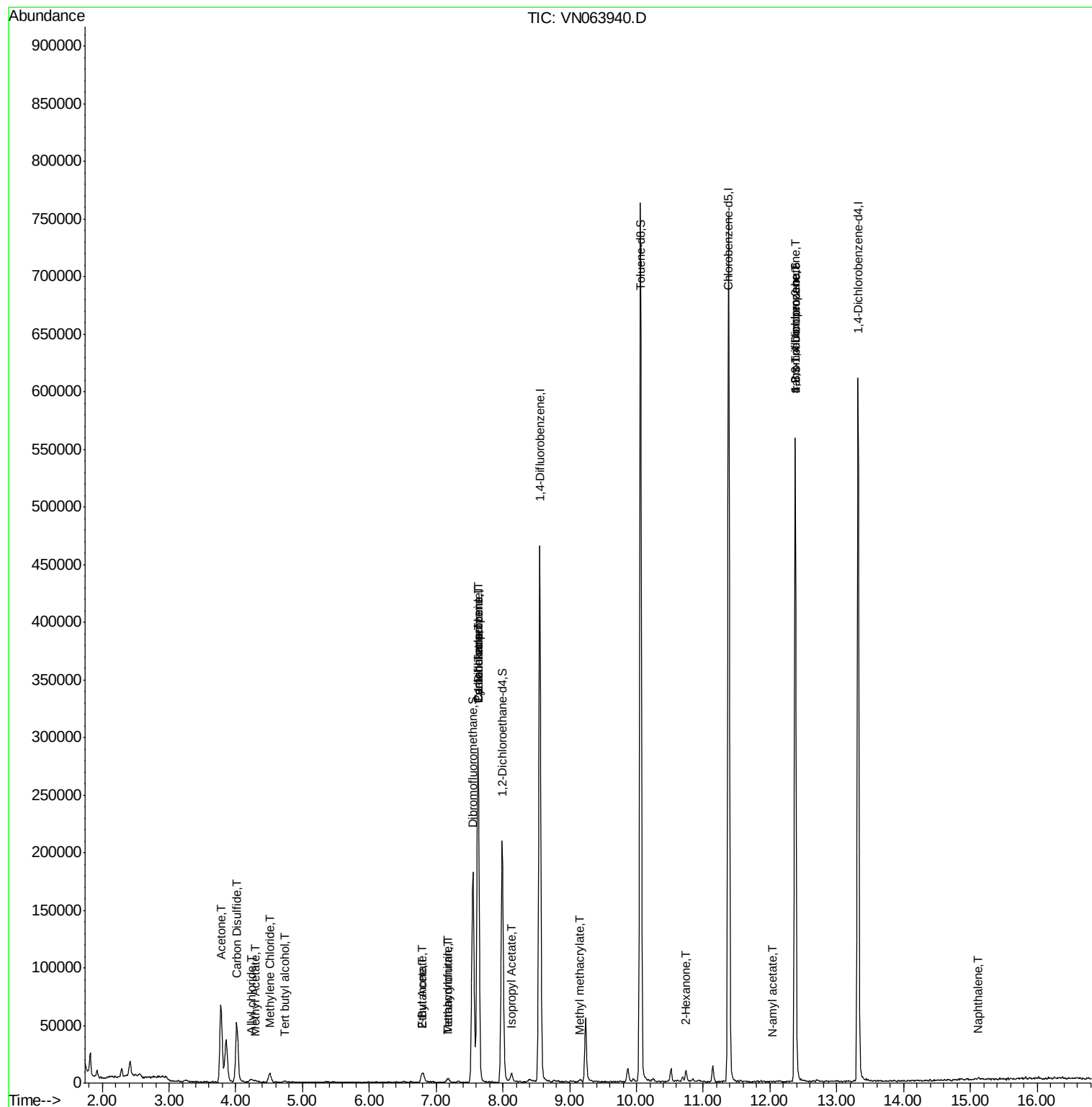
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.72	59	107	0.272	ug/l #	71
14) Allyl chloride	4.22	41	2993	0.741	ug/l #	50
16) Acetone	3.78	43	118928	108.380	ug/l	97
17) Carbon Disulfide	4.01	76	96730	16.941	ug/l	100
18) Methyl Acetate	4.28	43	694	0.244	ug/l #	84
20) Methylene Chloride	4.51	84	5054	2.105	ug/l #	76
25) 2-Butanone	6.79	43	7407	4.761	ug/l	92
29) Tetrahydrofuran	7.18	42	2520	2.415	ug/l #	45
31) Cyclohexane	7.63	56	6036	1.459	ug/l #	46
36) 1,1-Dichloropropene	7.63	75	19114	4.873	ug/l #	52
37) Ethyl Acetate	6.79	43	7407	1.901	ug/l #	70
38) Carbon Tetrachloride	7.63	117	23764	5.403	ug/l #	14
41) Methacrylonitrile	7.17	41	1458	0.842	ug/l #	35
43) Isopropyl Acetate	8.13	43	9446	1.470	ug/l #	90
48) Methyl methacrylate	9.15	41	1128	0.355	ug/l #	25
59) 2-Hexanone	10.74	43	1917	0.684	ug/l #	40
74) N-amyl acetate	12.03	43	102	2.234	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	104900	30.350	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	104900	87.413	ug/l #	6
95) Naphthalene	15.12	128	2276	2.183	ug/l #	74

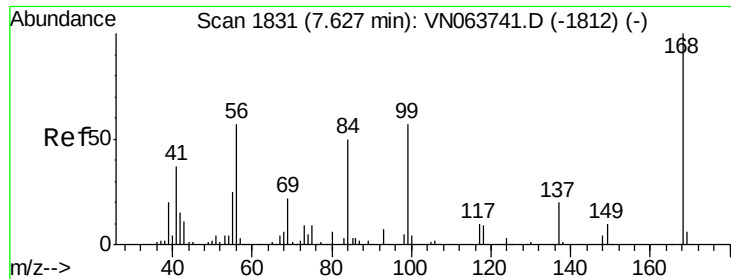
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063940.D

Acq: 7 Oct 2020 14:08

Instrument :

MSVOA_N

ClientSampled :

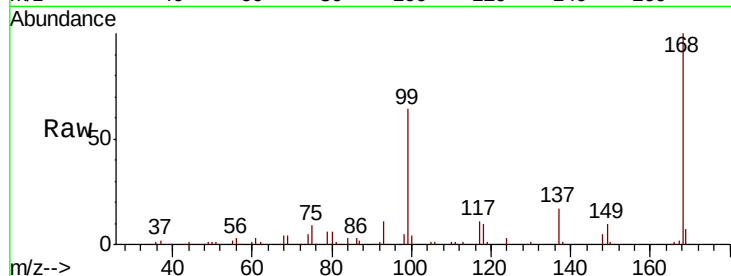
S-1

Tot Ion:168 Resp: 215770

Ion Ratio Lower Upper

168 100

99 63.8 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

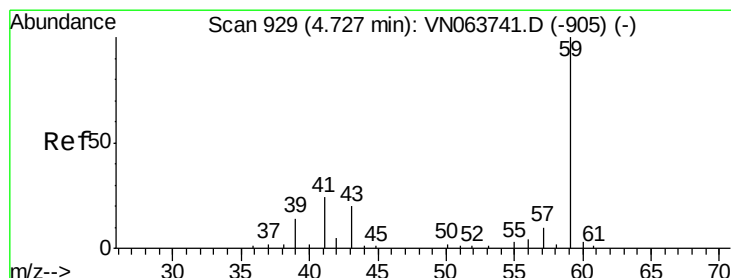
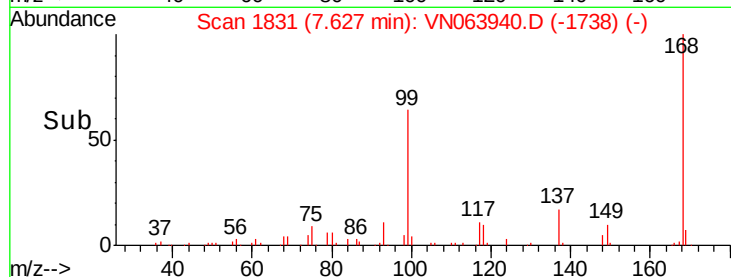
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 0.272 ug/l

RT: 4.72 min Scan# 928

Delta R.T. -0.00 min

Lab File: VN063940.D

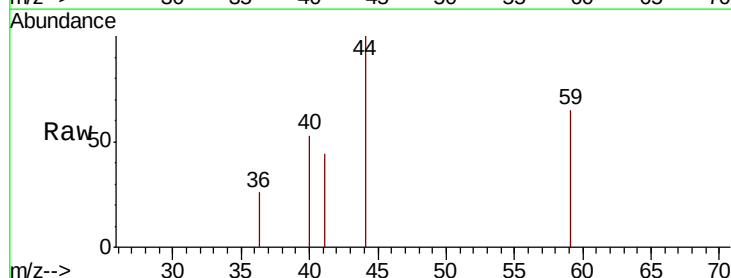
Acq: 7 Oct 2020 14:08

Tgt Ion: 59 Resp: 107

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.72

400

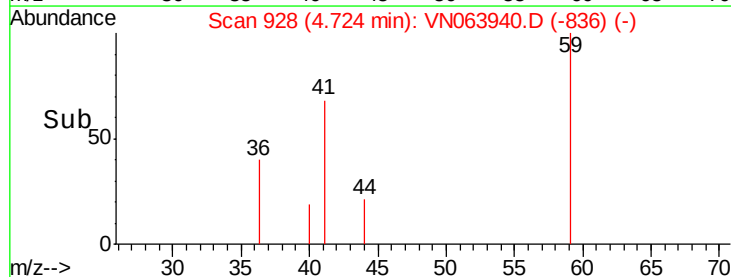
300

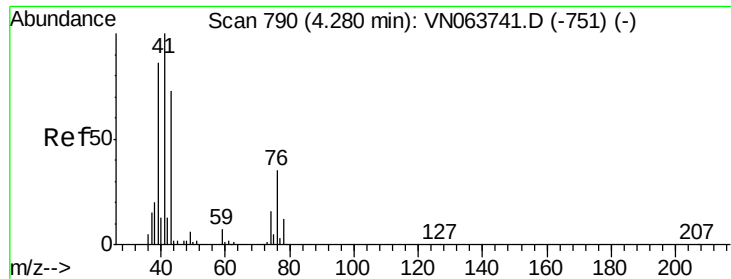
200

100

0

Time--> 4.71 4.72 4.73

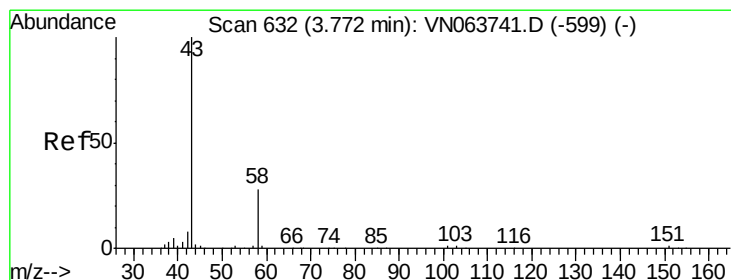
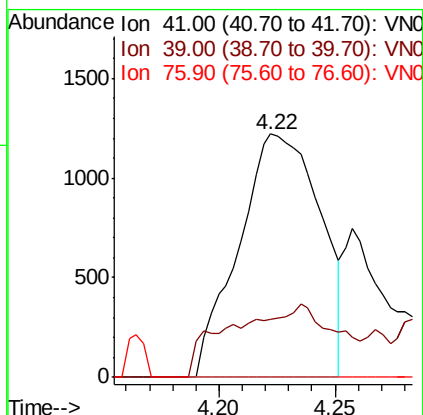
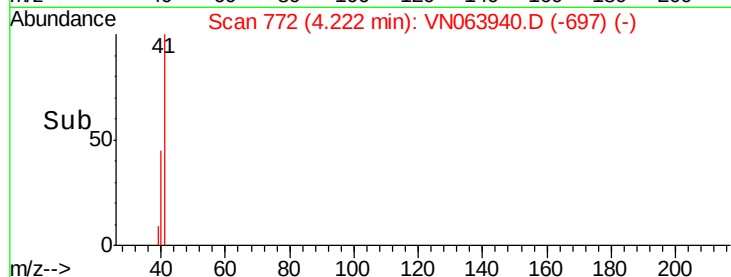
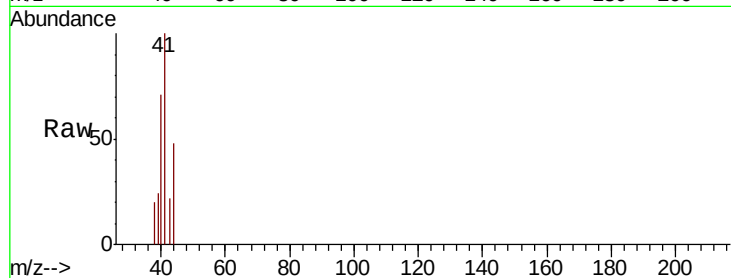




#14
Allvl chloride
Concen: 0.741 ug/l
RT: 4.22 min Scan# 772
Delta R.T. -0.06 min
Lab File: VN063940.D
Acq: 7 Oct 2020 14:08

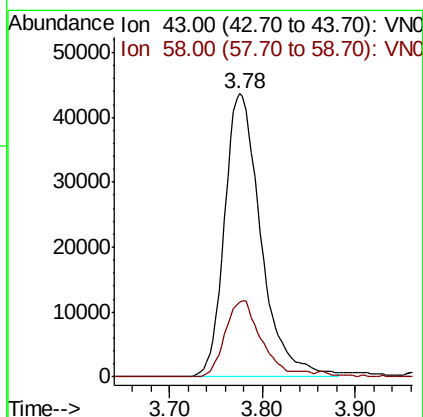
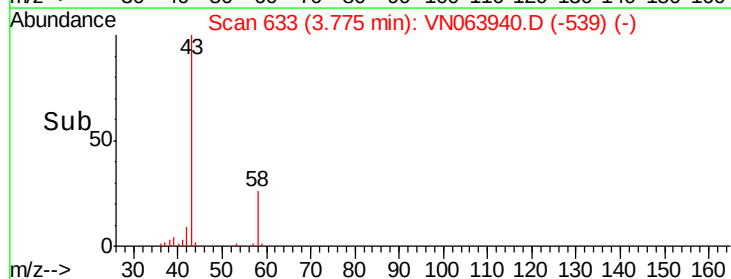
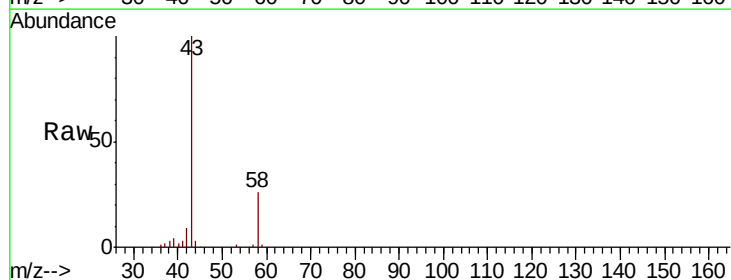
Instrument :
MSVOA_N
ClientSampled :
S-1

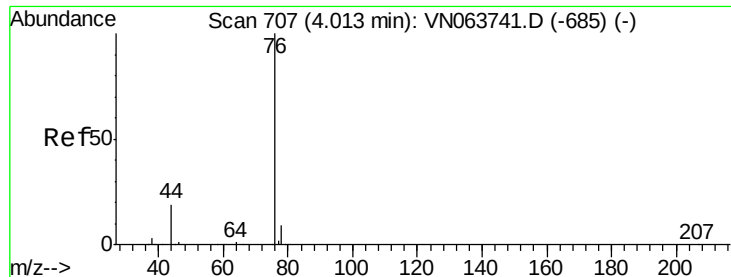
Tot Ion: 41 Resp: 2993
Ion Ratio Lower Upper
41 100
39 38.8 64.5 96.7#
76 0.0 25.9 38.9#



#16
Acetone
Concen: 108.380 ug/l
RT: 3.78 min Scan# 633
Delta R.T. 0.00 min
Lab File: VN063940.D
Acq: 7 Oct 2020 14:08

Tgt Ion: 43 Resp: 118928
Ion Ratio Lower Upper
43 100
58 26.2 22.3 33.5





#17

Carbon Disulfide

Concen: 16.941 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN063940.D

Acq: 7 Oct 2020 14:08

Instrument :

MSVOA_N

ClientSampled :

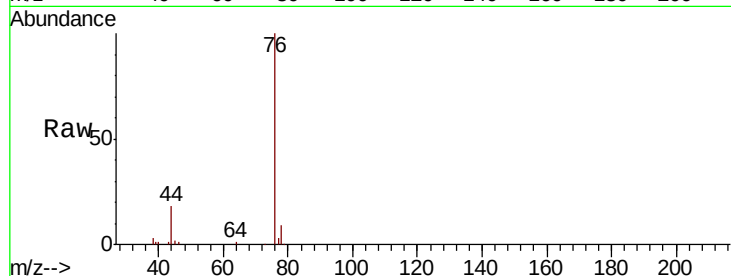
S-1

Tot Ion: 76 Resp: 96730

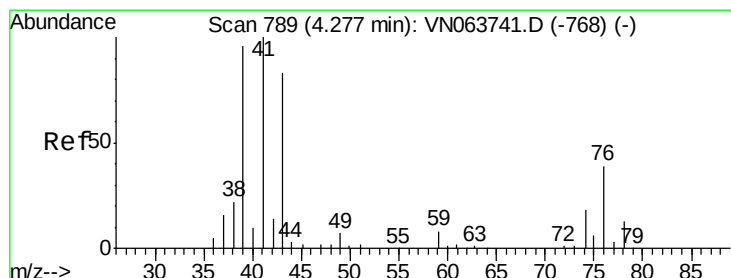
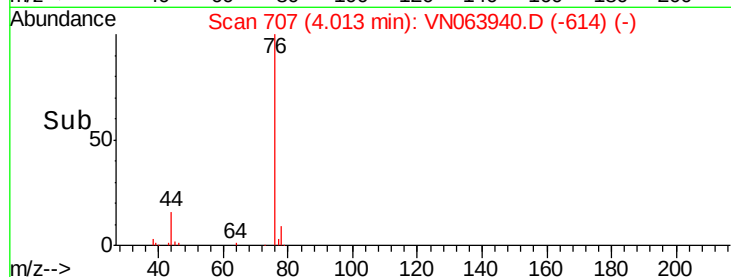
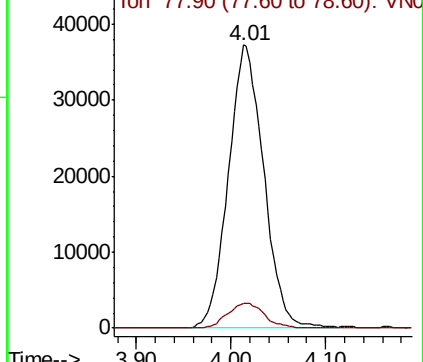
Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.4



Abundance Ion 75.90 (75.60 to 76.60): VN063940.D (-614) (-)



#18

Methyl Acetate

Concen: 0.244 ug/l

RT: 4.28 min Scan# 791

Delta R.T. 0.01 min

Lab File: VN063940.D

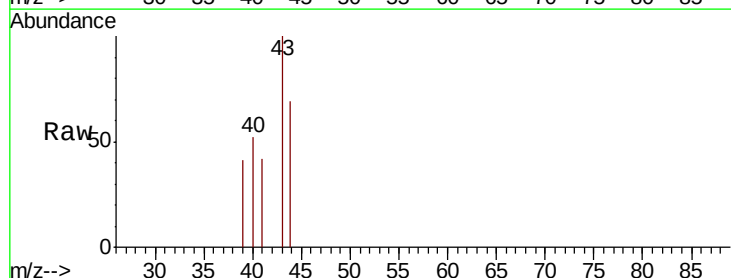
Acq: 7 Oct 2020 14:08

Tgt Ion: 43 Resp: 694

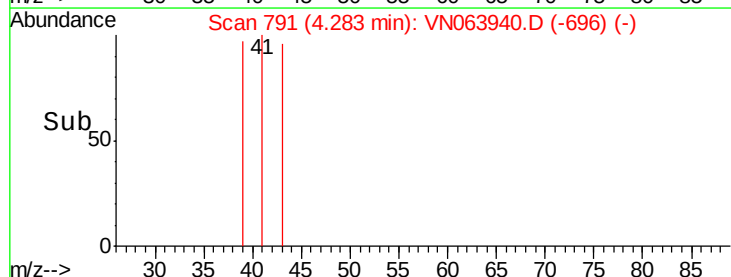
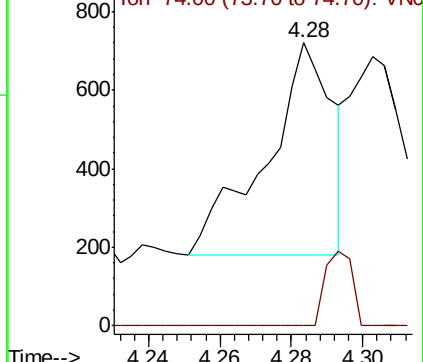
Ion Ratio Lower Upper

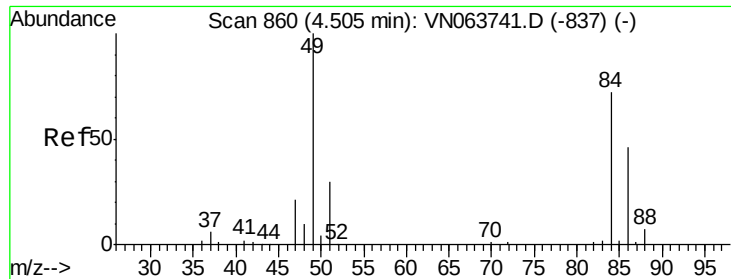
43 100

74 14.3 17.4 26.2#



Abundance Ion 43.00 (42.70 to 43.70): VN063940.D (-696) (-)





#20

Methvlene Chloride

Concen: 2.105 ug/l

RT: 4.51 min Scan# 861

Delta R.T. 0.00 min

Lab File: VN063940.D

Acq: 7 Oct 2020 14:08

Instrument :

MSVOA_N

ClientSampled :

S-1

Tot Ion: 84 Resp: 5054

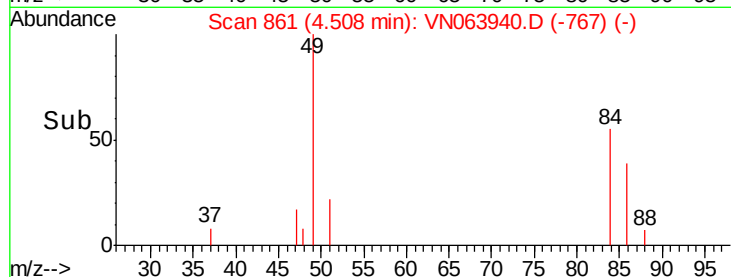
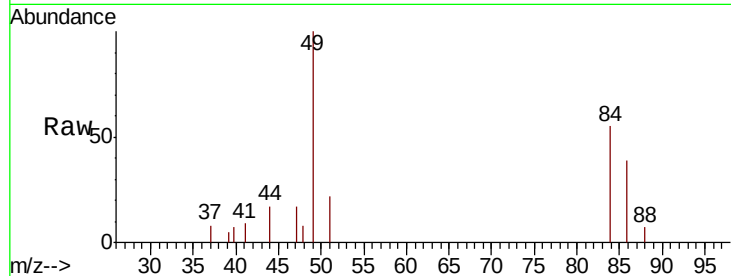
Ion Ratio Lower Upper

84 100

49 183.0 110.4 165.6#

51 39.4 33.3 49.9

86 71.2 50.7 76.1

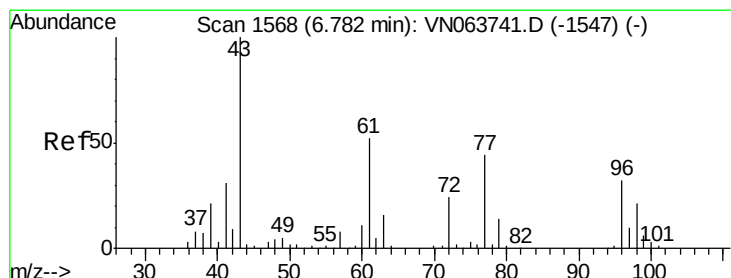
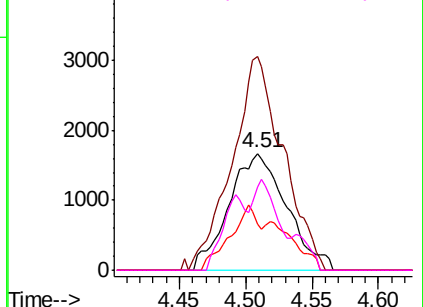


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#25

2-Butanone

Concen: 4.761 ug/l

RT: 6.79 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VN063940.D

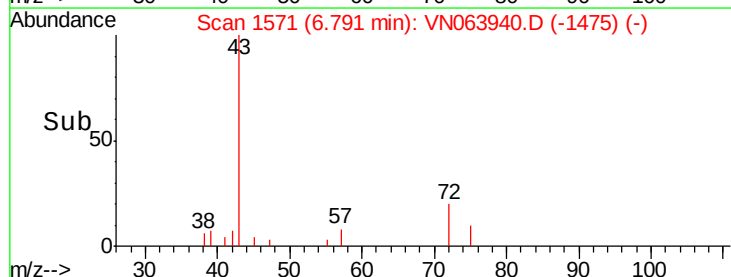
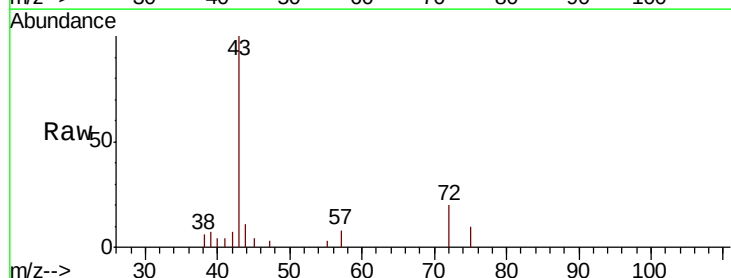
Acq: 7 Oct 2020 14:08

Tgt Ion: 43 Resp: 7407

Ion Ratio Lower Upper

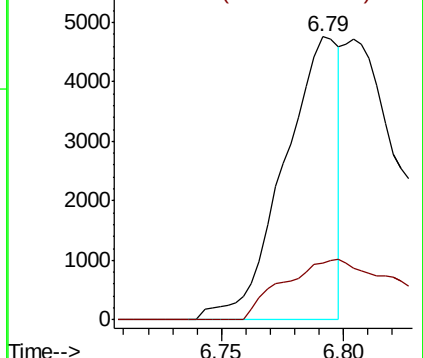
43 100

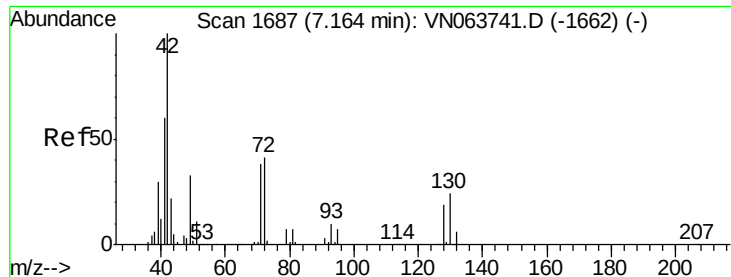
72 20.3 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#29

Tetrahydrofuran

Concen: 2.415 ug/l

RT: 7.18 min Scan# 1692

Delta R.T. 0.02 min

Lab File: VN063940.D

Acq: 7 Oct 2020 14:08

Instrument :

MSVOA_N

ClientSampled :

S-1

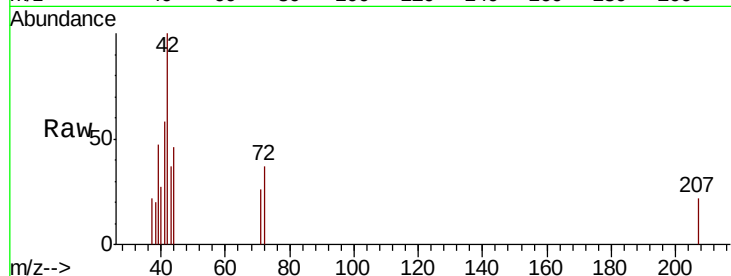
Tot Ion: 42 Resp: 2520

Ion Ratio Lower Upper

42 100

72 0.0 32.8 49.2#

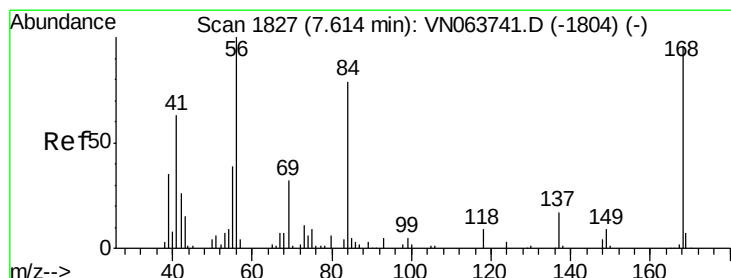
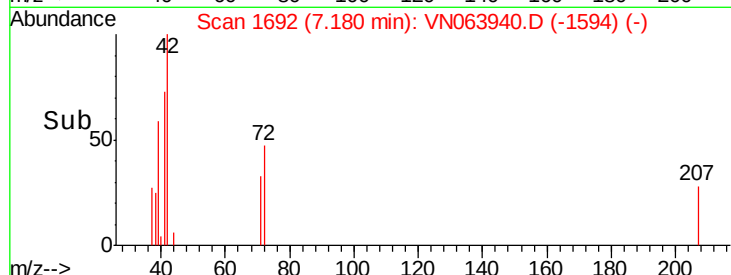
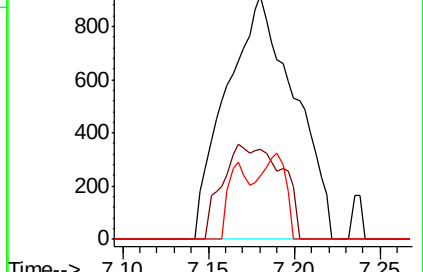
71 12.2 30.6 45.8#



Abundance Ion 42.00 (41.70 to 42.70): VN063940.D (-1692) (-)

Ion 72.00 (71.70 to 72.70): VN063940.D (-1692) (-)

Ion 71.00 (70.70 to 71.70): VN063940.D (-1692) (-)



#31

Cyclohexane

Concen: 1.459 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN063940.D

Acq: 7 Oct 2020 14:08

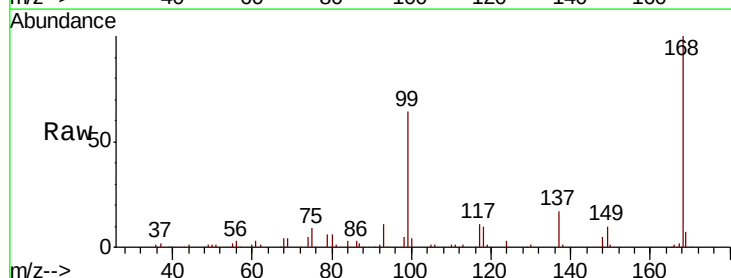
Tgt Ion: 56 Resp: 6036

Ion Ratio Lower Upper

56 100

69 123.9 25.4 38.2#

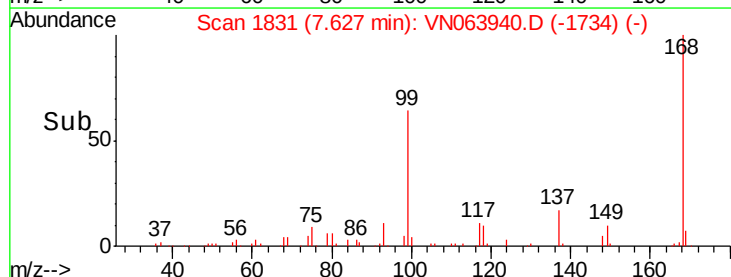
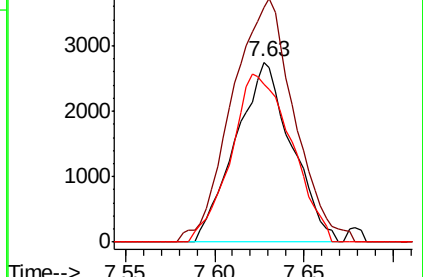
84 87.5 63.3 94.9

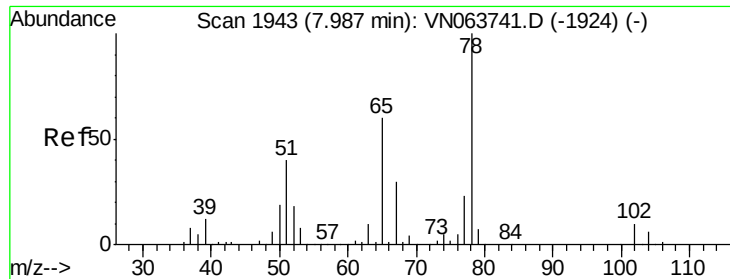


Abundance Ion 56.00 (55.70 to 56.70): VN063940.D (-1831) (-)

Ion 69.00 (68.70 to 69.70): VN063940.D (-1831) (-)

Ion 84.00 (83.70 to 84.70): VN063940.D (-1831) (-)

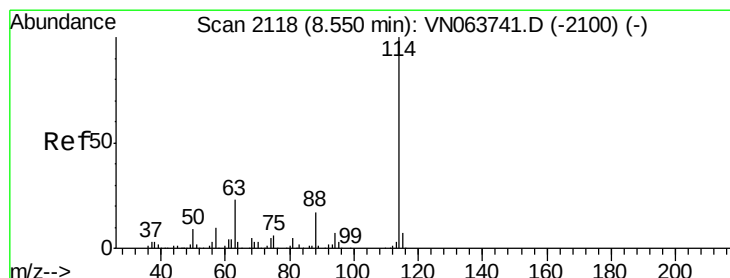
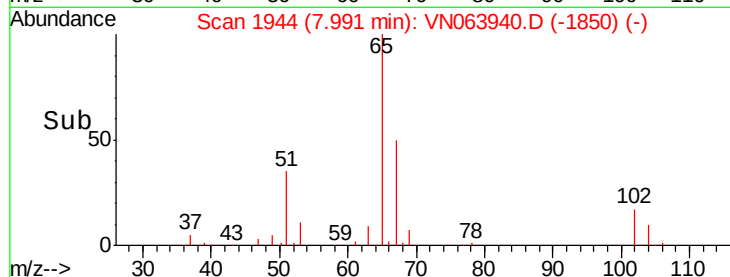
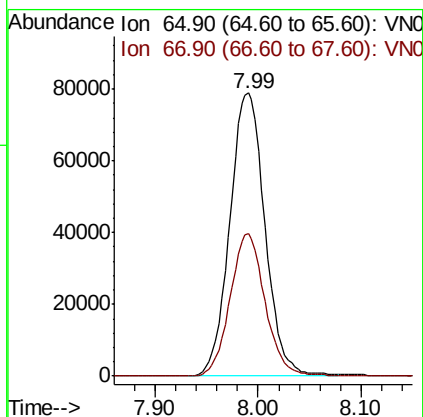
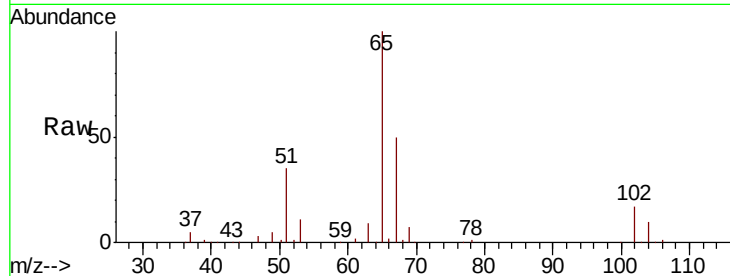




#33
 1,2-Dichloroethane-d4
 Concen: 52.510 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN063940.D
 Acq: 7 Oct 2020 14:08

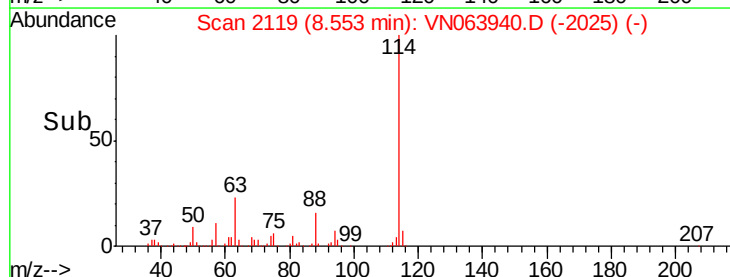
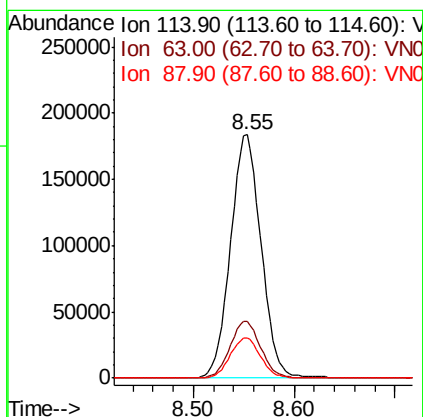
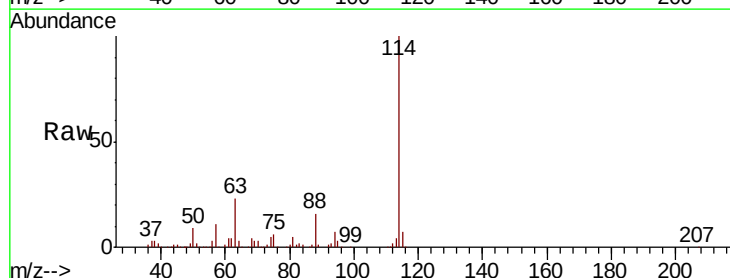
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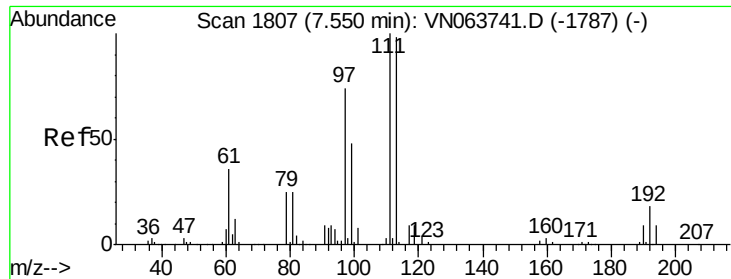
Tot Ion: 65 Resp: 187181
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN063940.D
 Acq: 7 Oct 2020 14:08

Tgt Ion: 114 Resp: 387169
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 45.0
 88 16.4 0.0 34.0

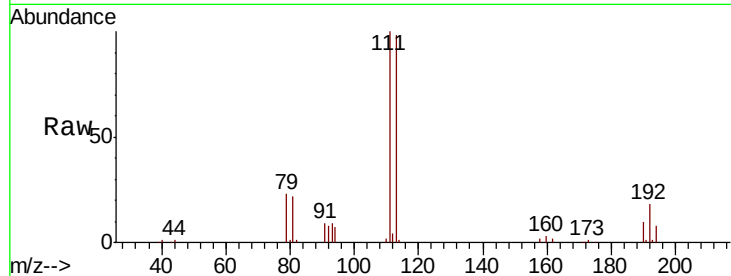




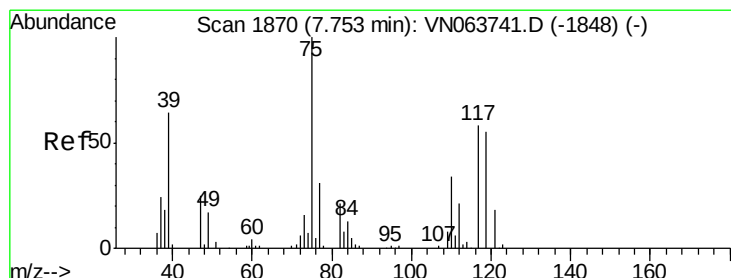
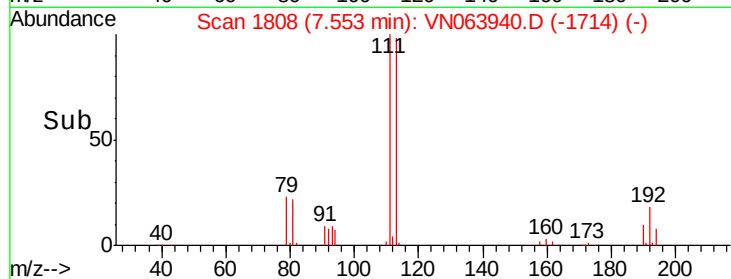
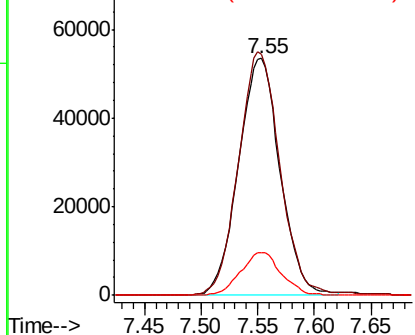
#35
 Dibromofluoromethane
 Concen: 50.771 ug/l
 RT: 7.55 min Scan# 1808
 Delta R.T. 0.00 min
 Lab File: VN063940.D
 Acq: 7 Oct 2020 14:08

Instrument :
 MSVOA_N
 ClientSampleId :
 S-1

Tot Ion:113 Resp: 136396
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.8 122.8
 192 17.7 14.2 21.2

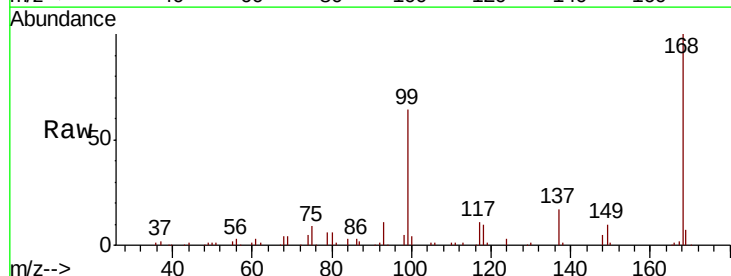


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

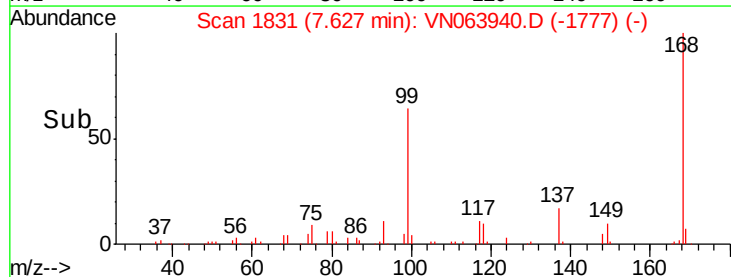
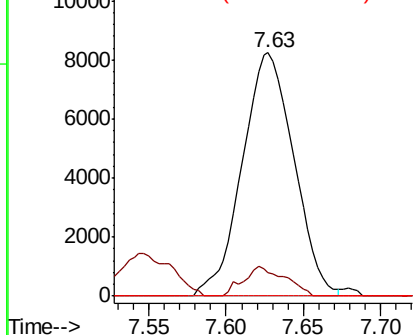


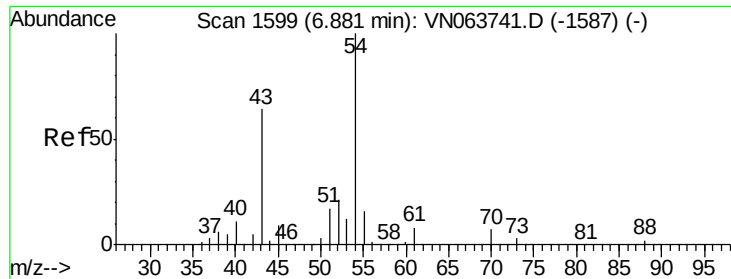
#36
 1,1-Dichloropropene
 Concen: 4.873 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063940.D
 Acq: 7 Oct 2020 14:08

Tgt Ion: 75 Resp: 19114
 Ion Ratio Lower Upper
 75 100
 110 9.9 16.9 50.6#
 77 0.0 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

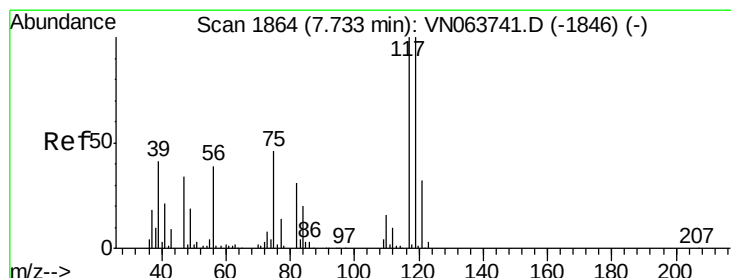
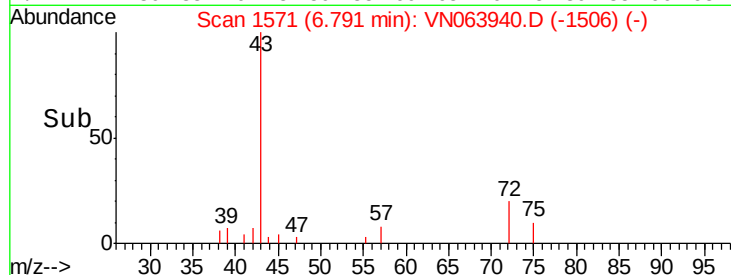
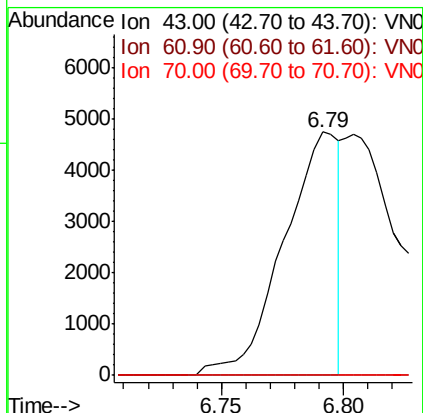
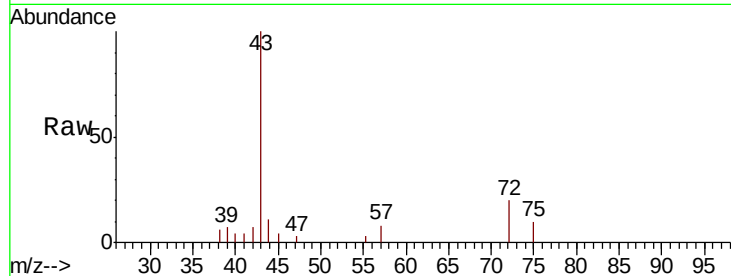




#37
Ethyl Acetate
Concen: 1.901 ug/l
RT: 6.79 min Scan# 1571
Delta R.T. -0.09 min
Lab File: VN063940.D
Acq: 7 Oct 2020 14:08

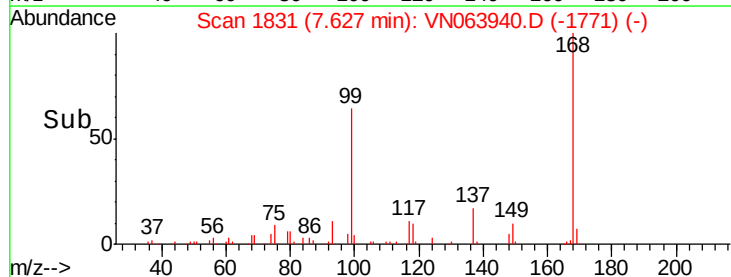
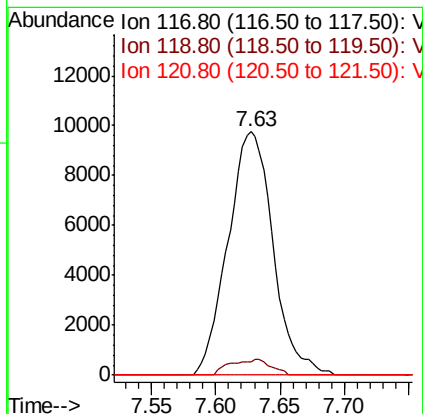
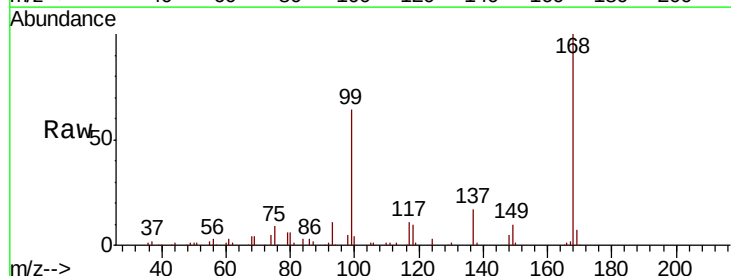
Instrument :
MSVOA_N
ClientSampled :
S-1

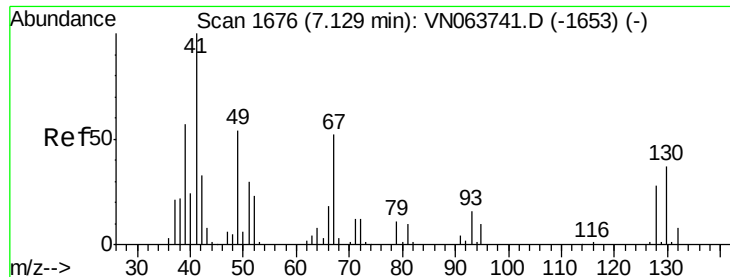
Tot Ion: 43 Resp: 7407
Ion Ratio Lower Upper
43 100
61 0.0 10.4 15.6#
70 0.0 7.3 10.9#



#38
Carbon Tetrachloride
Concen: 5.403 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN063940.D
Acq: 7 Oct 2020 14:08

Tgt Ion: 117 Resp: 23764
Ion Ratio Lower Upper
117 100
119 5.5 80.1 120.1#
121 0.0 25.7 38.5#

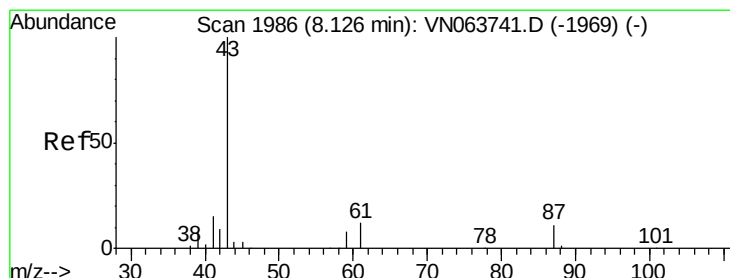
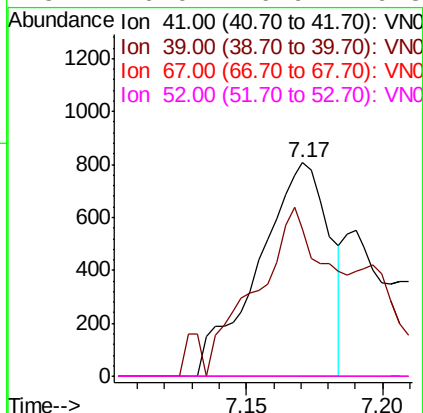
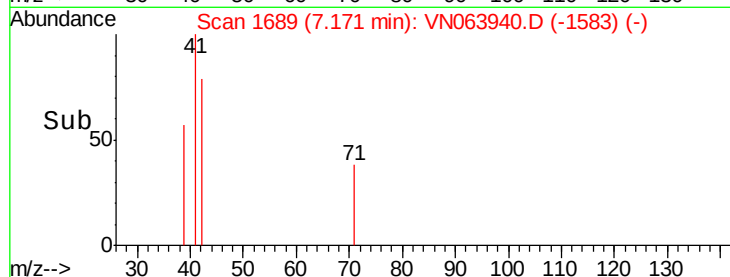
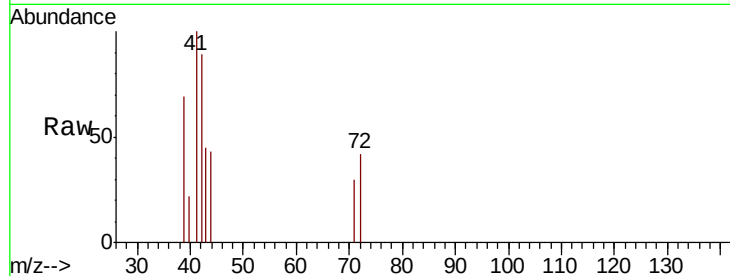




#41
Methacrylonitrile
Concen: 0.842 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.04 min
Lab File: VN063940.D
Acq: 7 Oct 2020 14:08

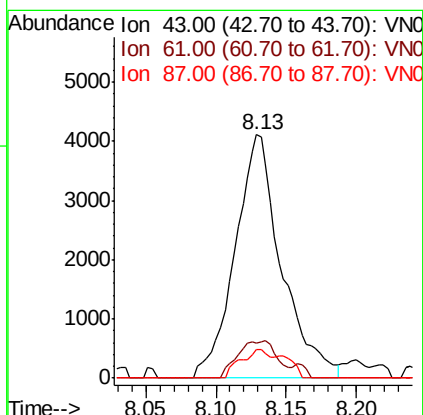
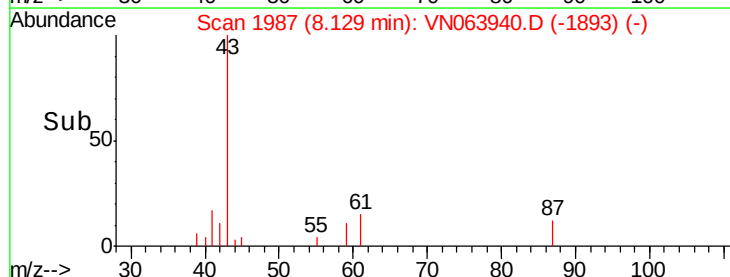
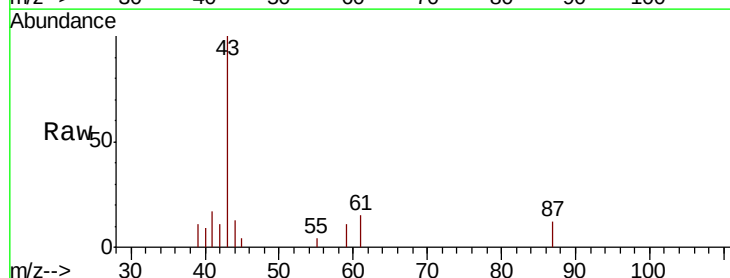
Instrument :
MSVOA_N
ClientSampled :
S-1

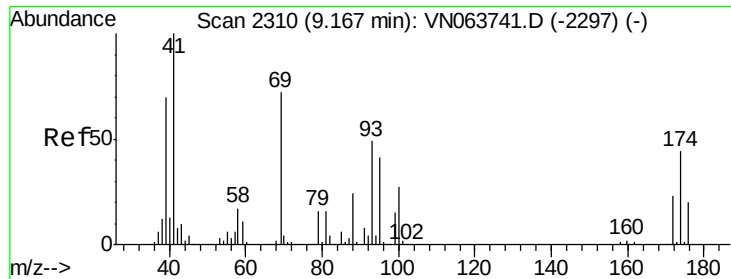
Tot Ion: 41 Resp: 1458
Ion Ratio Lower Upper
41 100
39 81.5 42.5 63.7#
67 0.0 57.4 86.2#
52 0.0 26.9 40.3#



#43
Isopropyl Acetate
Concen: 1.470 ug/l
RT: 8.13 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN063940.D
Acq: 7 Oct 2020 14:08

Tgt Ion: 43 Resp: 9446
Ion Ratio Lower Upper
43 100
61 13.0 14.2 21.4#
87 7.9 9.0 13.6#

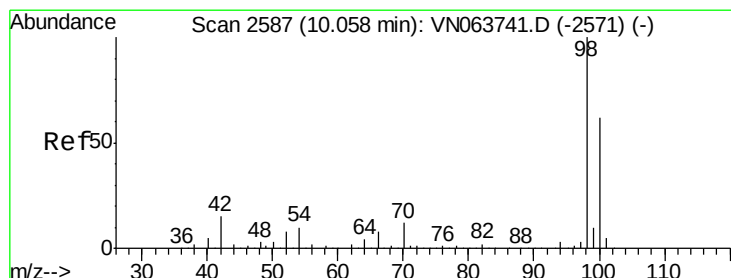
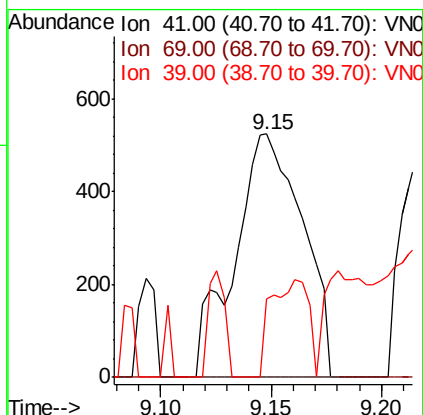
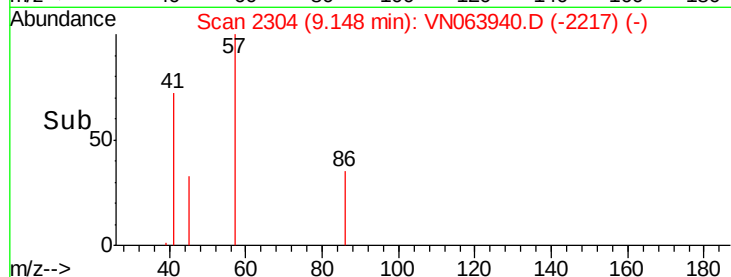
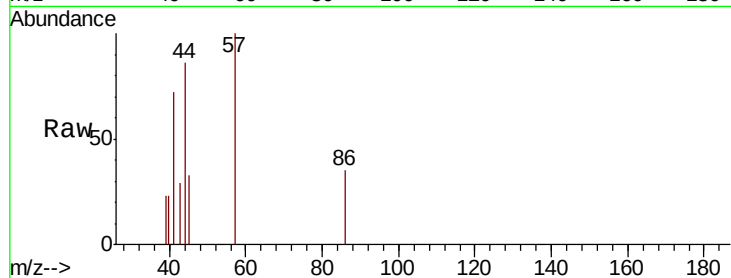




#48
Methyl methacrylate
Concen: 0.355 ug/l
RT: 9.15 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN063940.D
Acq: 7 Oct 2020 14:08

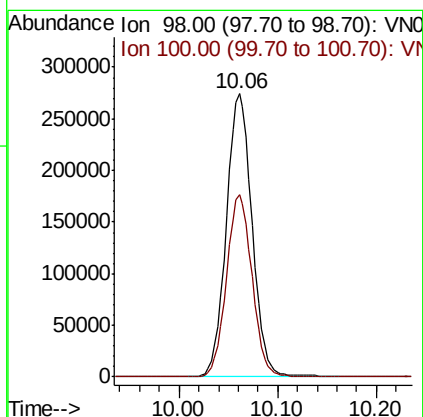
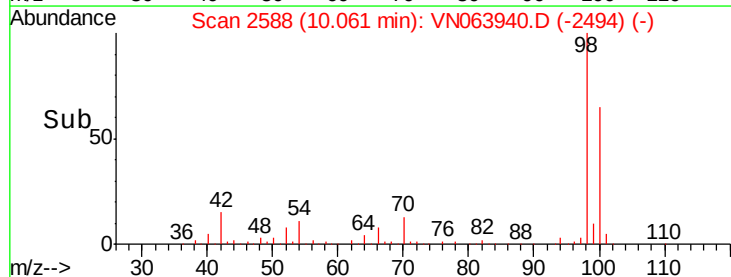
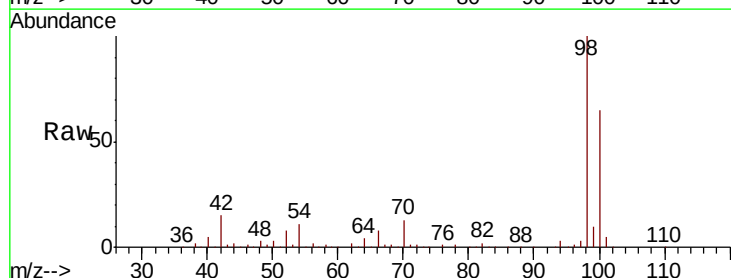
Instrument :
MSVOA_N
ClientSampleId :
S-1

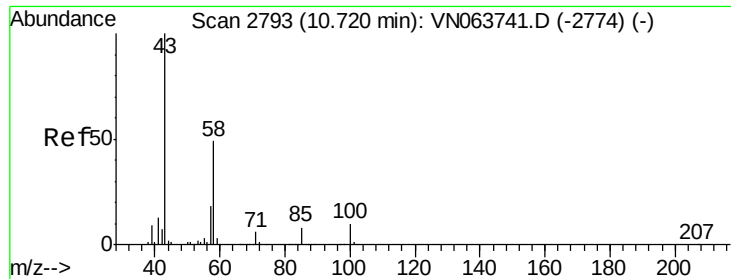
Tot Ion: 41 Resp: 1128
Ion Ratio Lower Upper
41 100
69 0.0 60.9 91.3#
39 21.6 57.5 86.3#



#50
Toluene-d8
Concen: 48.926 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063940.D
Acq: 7 Oct 2020 14:08

Tgt Ion: 98 Resp: 498268
Ion Ratio Lower Upper
98 100
100 63.9 49.8 74.6





#59

2-Hexanone

Concen: 0.684 ug/l

RT: 10.74 min Scan# 2799

Delta R.T. 0.02 min

Lab File: VN063940.D

Acq: 7 Oct 2020 14:08

Instrument :

MSVOA_N

ClientSampled :

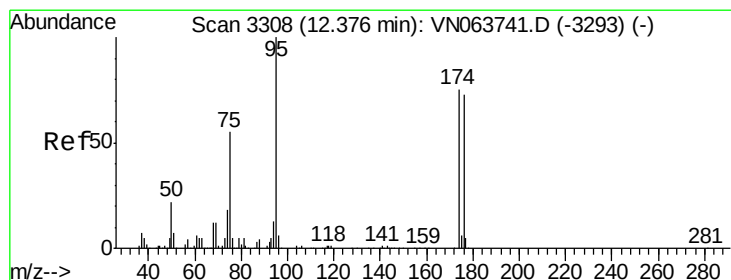
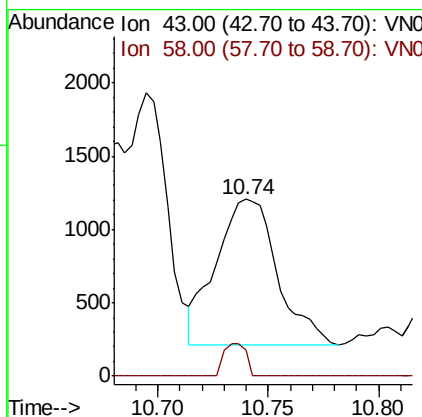
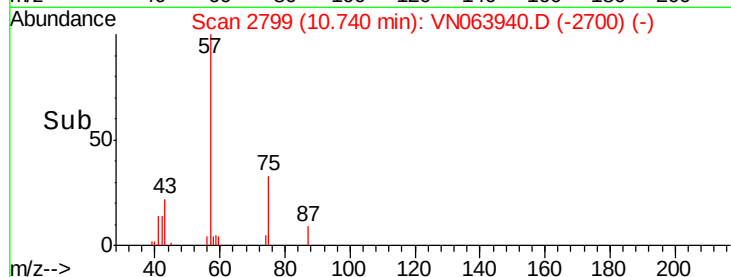
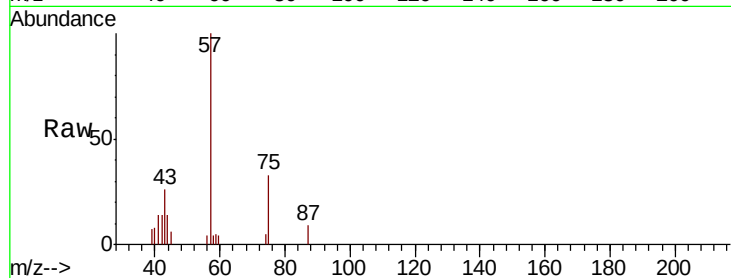
S-1

Tot Ion: 43 Resp: 1917

Ion Ratio Lower Upper

43 100

58 8.0 24.6 73.8#



#62

4-Bromofluorobenzene

Concen: 48.901 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063940.D

Acq: 7 Oct 2020 14:08

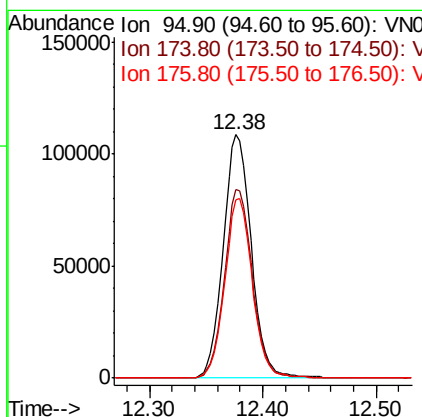
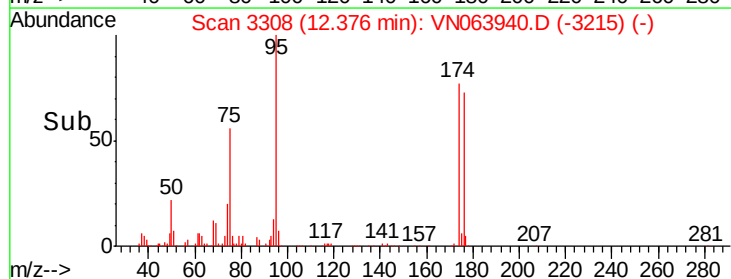
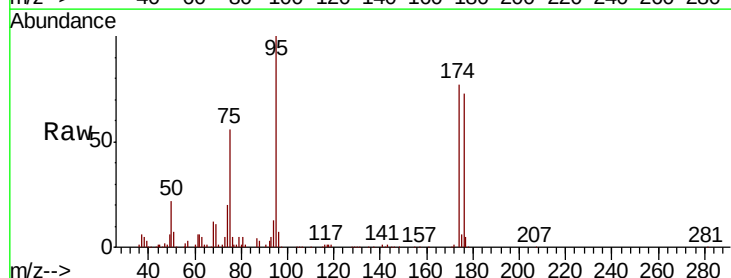
Tgt Ion: 95 Resp: 187207

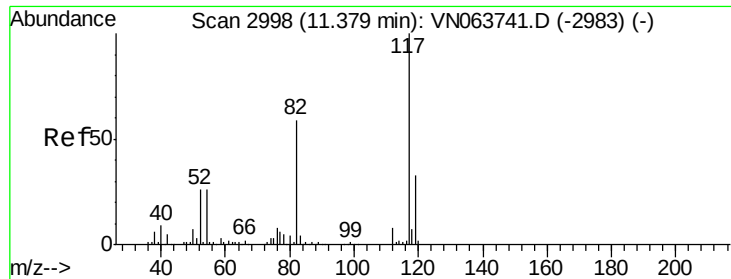
Ion Ratio Lower Upper

95 100

174 76.7 0.0 150.6

176 72.6 0.0 145.4

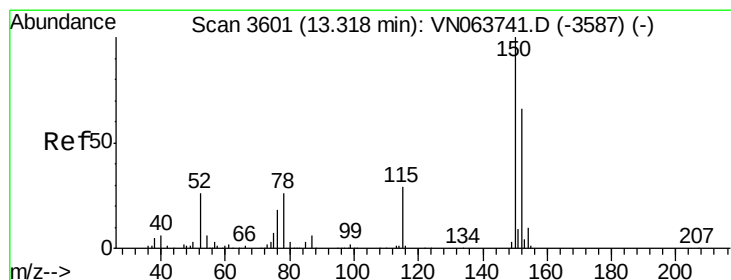
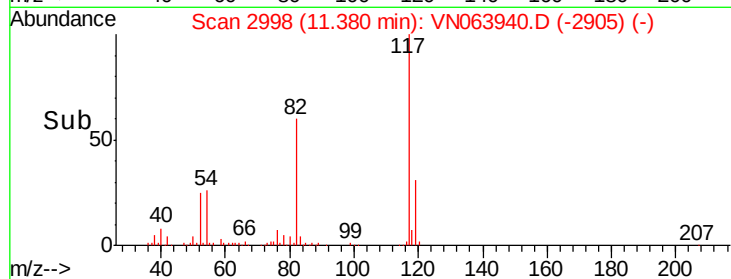
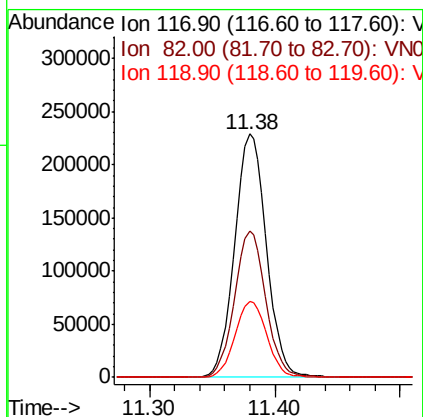
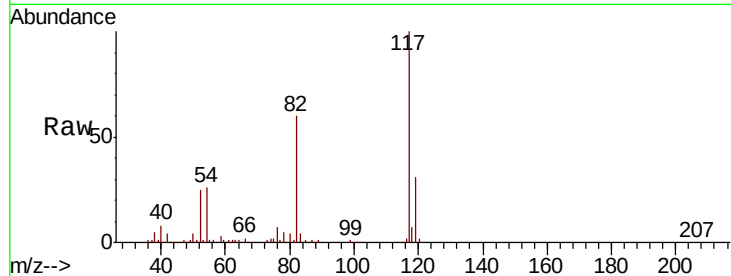




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063940.D
Acq: 7 Oct 2020 14:08

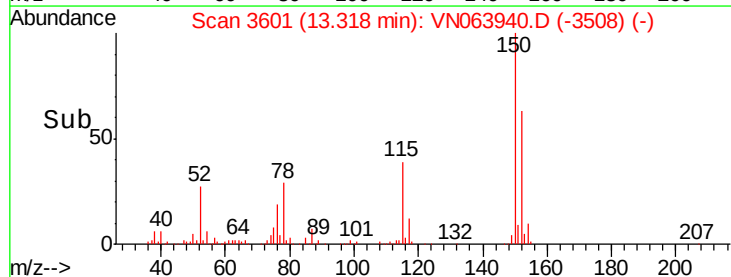
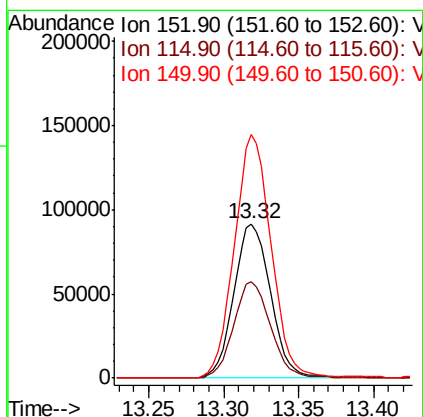
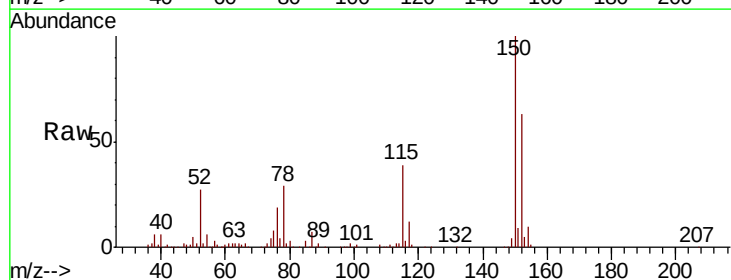
Instrument :
MSVOA_N
ClientSampled :
S-1

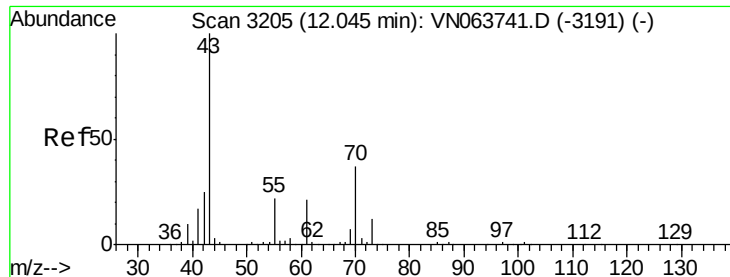
Tot Ion:117 Resp: 403069
Ion Ratio Lower Upper
117 100
82 60.0 47.4 71.2
119 31.0 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063940.D
Acq: 7 Oct 2020 14:08

Tgt Ion:152 Resp: 156792
Ion Ratio Lower Upper
152 100
115 62.7 31.3 93.8
150 158.1 0.0 341.8





#74

N-amvl acetate

Concen: 2.234 ug/l

RT: 12.03 min Scan# 3201

Delta R.T. -0.01 min

Lab File: VN063940.D

Acq: 7 Oct 2020 14:08

Instrument :

MSVOA_N

ClientSampled :

S-1

Tot Ion: 43 Resp: 102

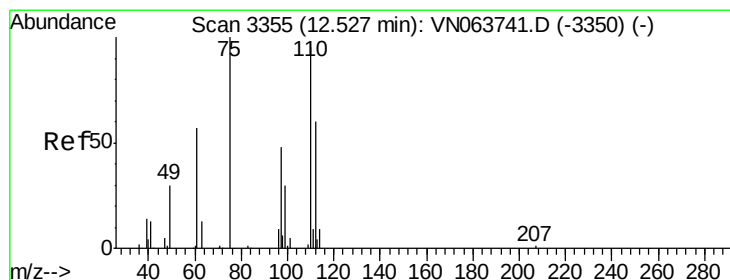
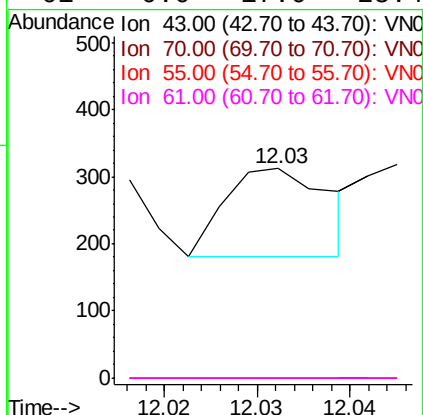
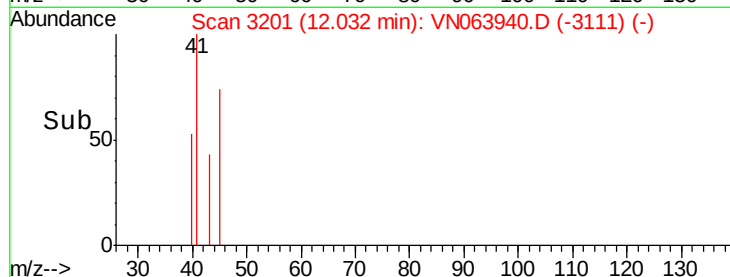
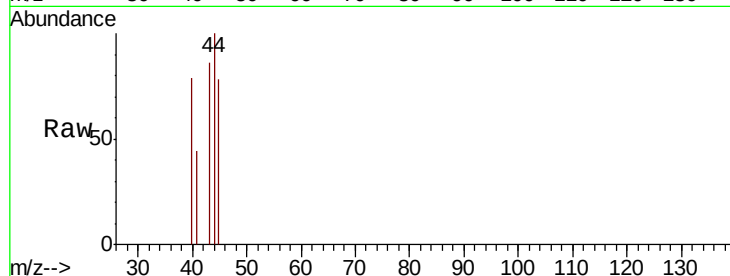
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 0.0 17.9 26.9#

61 0.0 17.0 25.4#



#76

1,2,3-Trichloropropane

Concen: 30.350 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063940.D

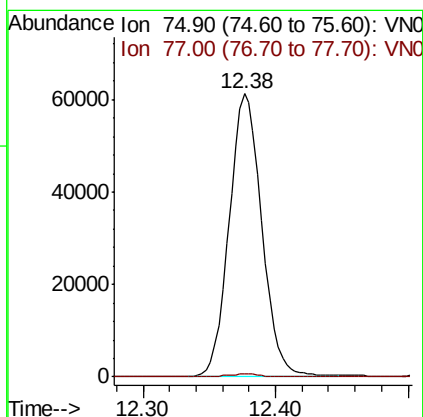
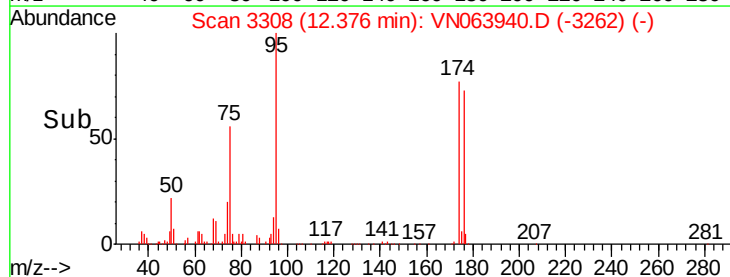
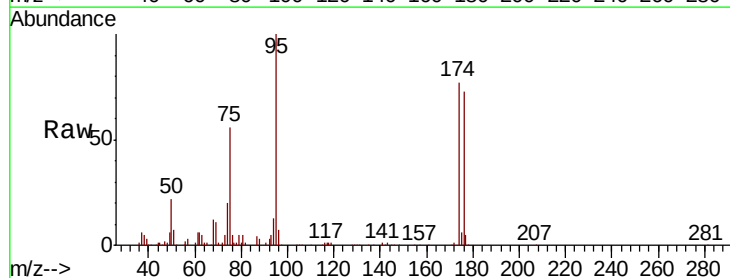
Acq: 7 Oct 2020 14:08

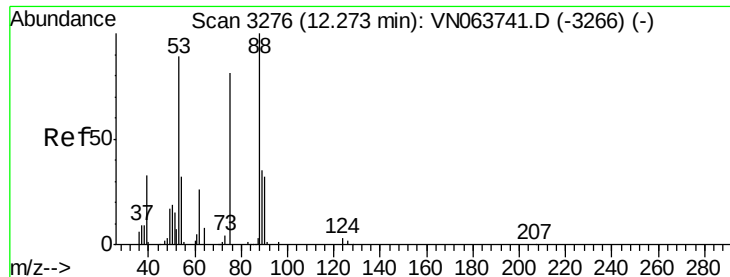
Tgt Ion: 75 Resp: 104900

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#

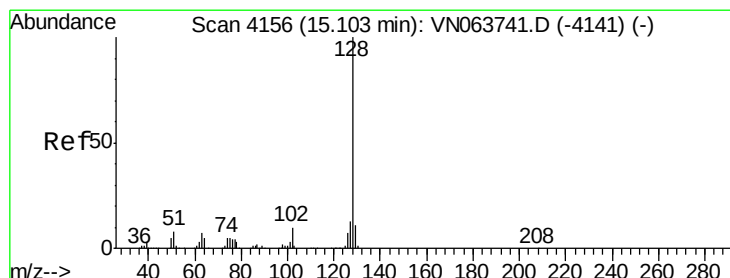
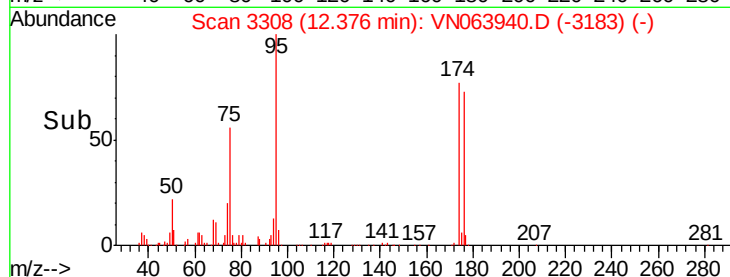
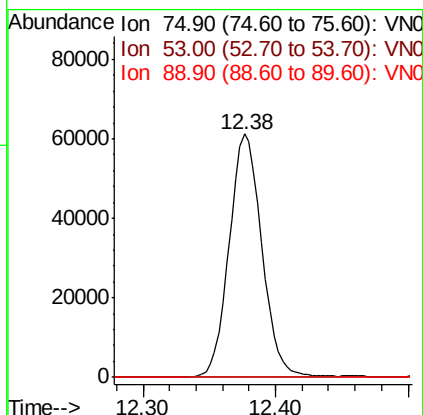
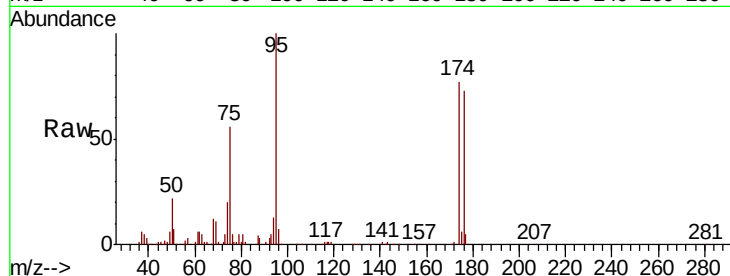




#81
trans-1,4-Dichloro-2-butene
Concen: 87.413 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.10 min
Lab File: VN063940.D
Acq: 7 Oct 2020 14:08

Instrument :
MSVOA_N
ClientSampleId :
S-1

Tot Ion: 75 Resp: 104900
Ion Ratio Lower Upper
75 100
53 0.0 88.2 132.2#
89 0.0 36.0 54.0#



#95
Naphthalene
Concen: 2.183 ug/l
RT: 15.12 min Scan# 4160
Delta R.T. 0.01 min
Lab File: VN063940.D
Acq: 7 Oct 2020 14:08

Tgt Ion: 128 Resp: 2276
Ion Ratio Lower Upper
128 100
127 1.4 10.5 15.7#
129 3.0 8.7 13.1#

