

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100520\
 Data File : VN063862.D
 Acq On : 5 Oct 2020 11:42
 Operator : JC/MD
 Sample : L4213-08ME
 Misc : 5.02g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 B-16(11-13)ME

Quant Time: Oct 05 16:19:56 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	7.62	168	227095	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	403394	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	412045	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	170909	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	192885	51.41	ug/l	0.00
Spiked Amount			Recovery	=	102.82%	
35) Dibromofluoromethane	7.55	113	136109	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
50) Toluene-d8	10.06	98	513149	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	
62) 4-Bromofluorobenzene	12.38	95	201763	50.58	ug/l	0.00
Spiked Amount			Recovery	=	101.16%	

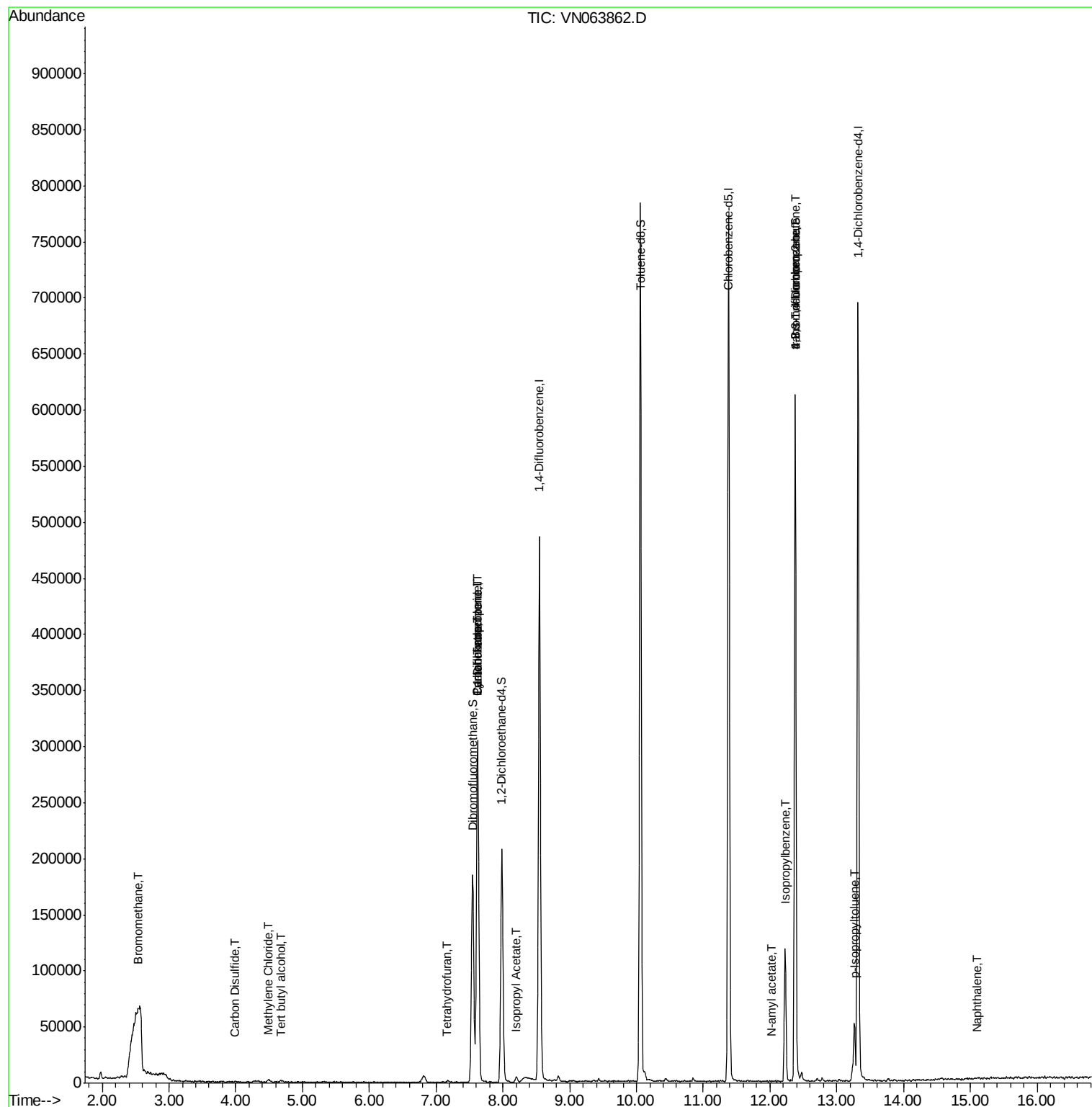
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.53	94	493	0.278	ug/l #	29
11) Tert butyl alcohol	4.67	59	853	2.059	ug/l #	71
17) Carbon Disulfide	3.99	76	514	0.783	ug/l #	76
20) Methylene Chloride	4.48	84	545	0.304	ug/l #	54
29) Tetrahydrofuran	7.17	42	402	0.366	ug/l #	64
31) Cyclohexane	7.62	56	6248	1.434	ug/l #	45
36) 1,1-Dichloropropene	7.62	75	20696	5.064	ug/l #	52
38) Carbon Tetrachloride	7.62	117	25076	5.472	ug/l #	15
43) Isopropyl Acetate	8.20	43	2208	0.330	ug/l #	64
73) Isopropylbenzene	12.23	105	6461	0.518	ug/l #	62
74) N-amyl acetate	12.04	43	204	2.250	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	115842	30.748	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	115842	88.558	ug/l #	6
86) p-Isopropyltoluene	13.26	119	29091	2.927	ug/l	97
95) Naphthalene	15.11	128	1207	2.050	ug/l #	69

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.01 min

Lab File: VN063862.D

Acq: 5 Oct 2020 11:42

Instrument :

MSVOA_N

ClientSampleId :

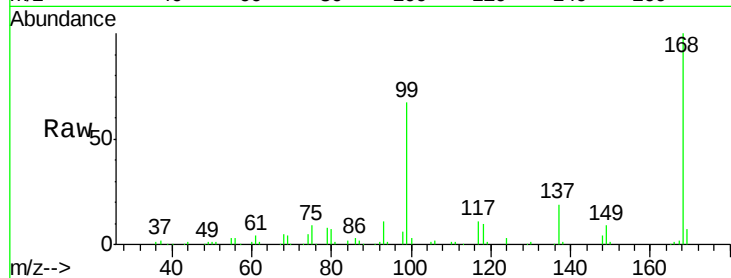
B-16(11-13)ME

Tgt Ion:168 Resp: 227095

Ion Ratio Lower Upper

168 100

99 67.2 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

100000

80000

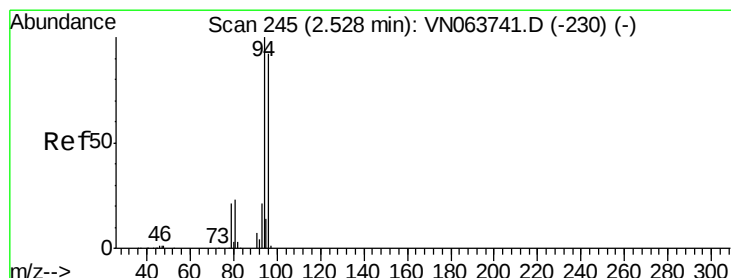
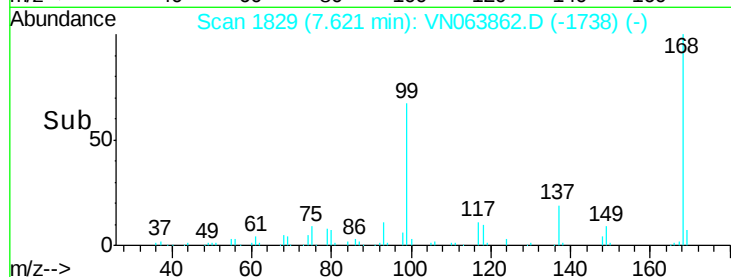
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#5

Bromomethane

Concen: 0.278 ug/l

RT: 2.53 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN063862.D

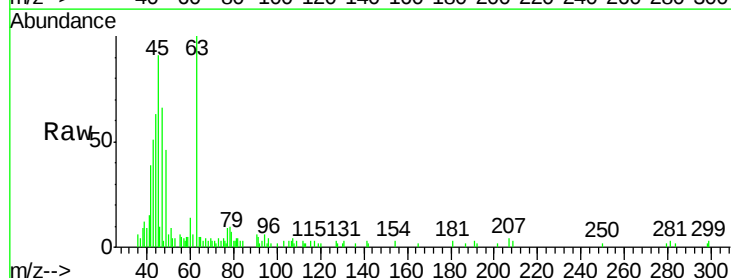
Acq: 5 Oct 2020 11:42

Tgt Ion: 94 Resp: 493

Ion Ratio Lower Upper

94 100

96 23.8 73.3 109.9#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.53

600

500

400

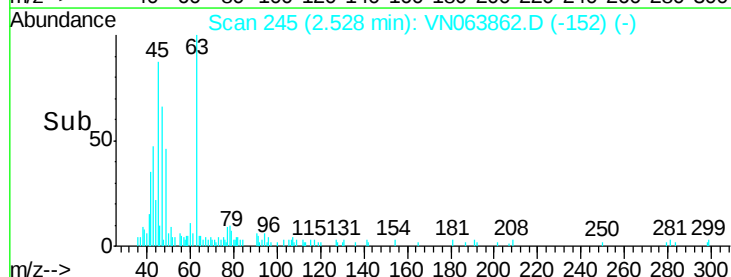
300

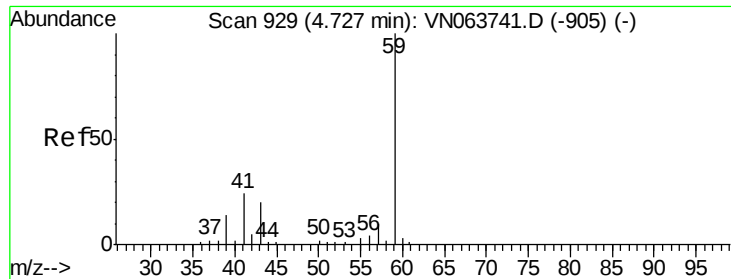
200

100

0

Time--> 2.51 2.52 2.53 2.54

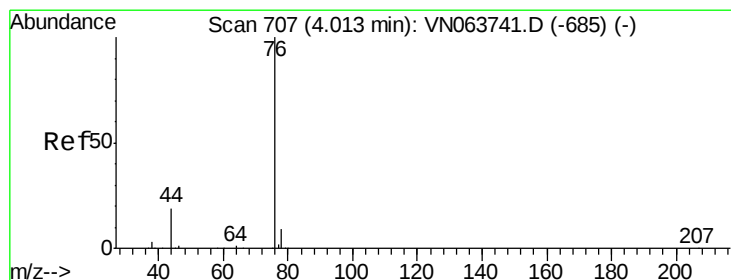
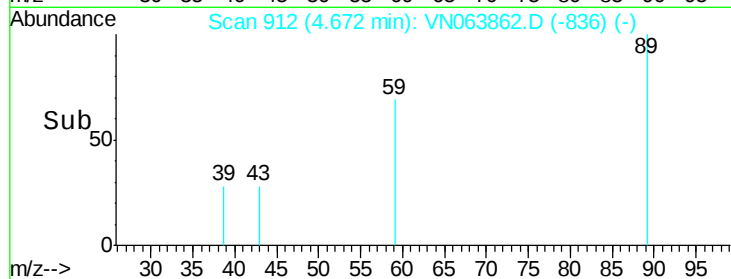
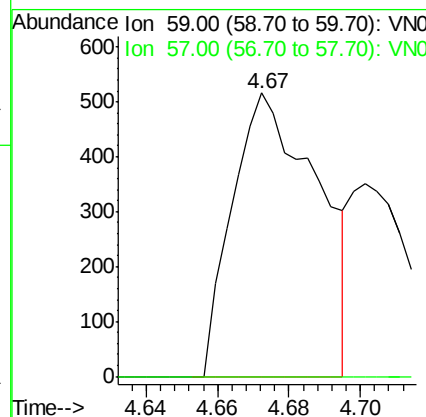
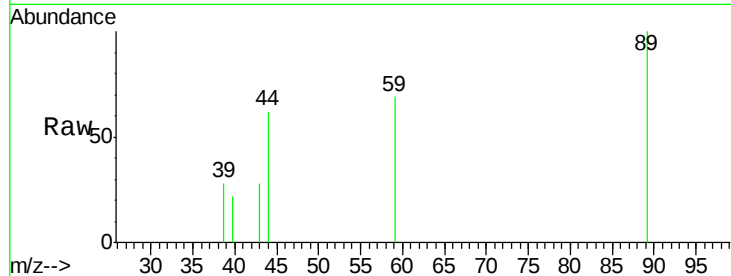




#11
Tert butyl alcohol
Concen: 2.059 ug/l
RT: 4.67 min Scan# 912
Delta R.T. -0.05 min
Lab File: VN063862.D
Acq: 5 Oct 2020 11:42

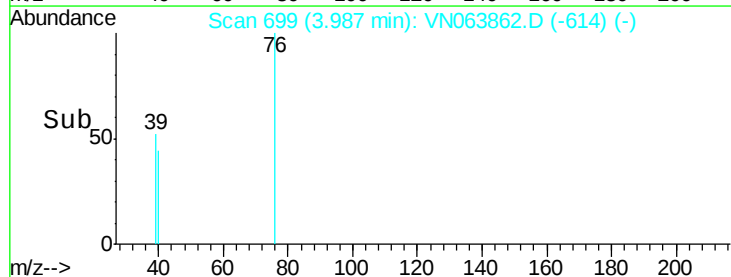
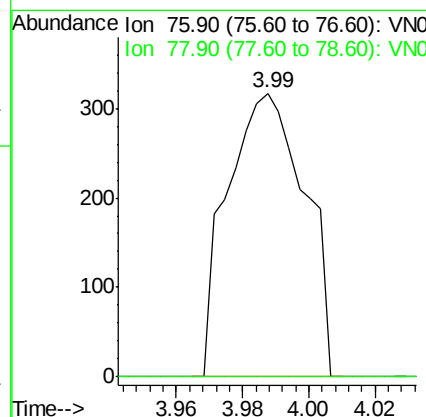
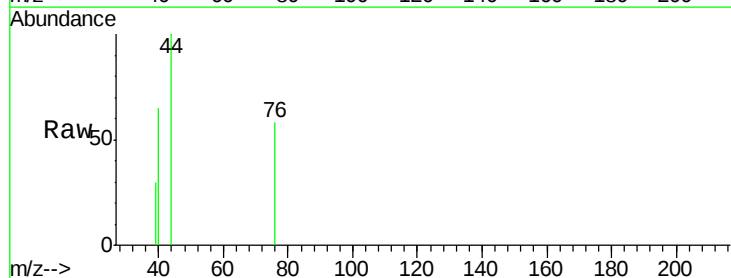
Instrument :
MSVOA_N
ClientSampleId :
B-16(11-13)ME

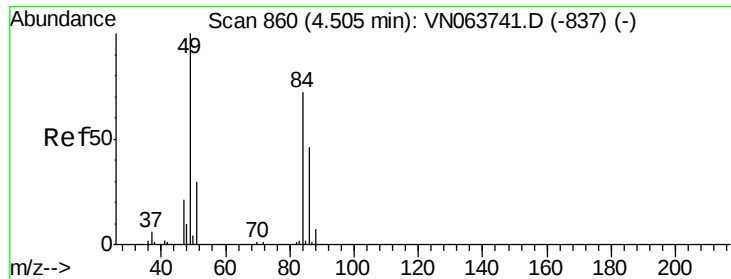
Tgt Ion: 59 Resp: 853
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#17
Carbon Disulfide
Concen: 0.783 ug/l
RT: 3.99 min Scan# 699
Delta R.T. -0.03 min
Lab File: VN063862.D
Acq: 5 Oct 2020 11:42

Tgt Ion: 76 Resp: 514
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

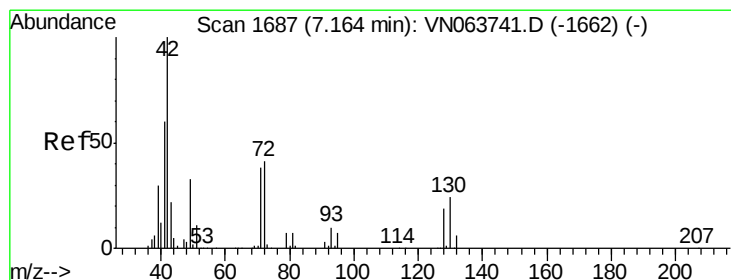
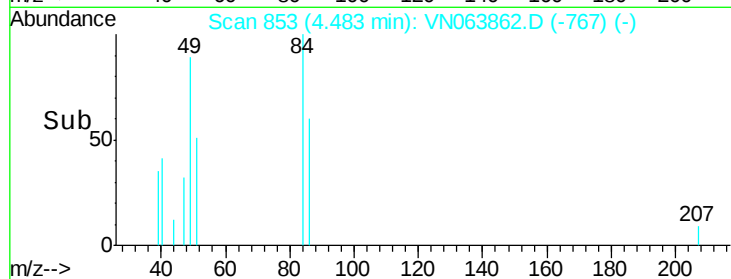
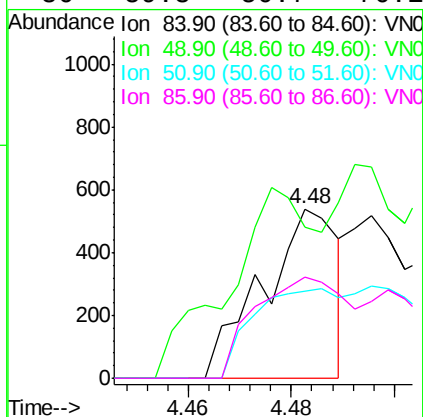
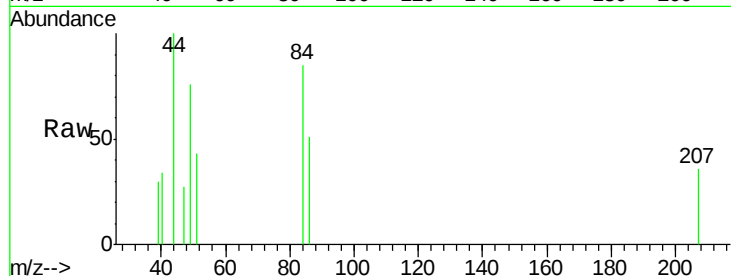




#20
Methylene Chloride
Concen: 0.304 ug/l
RT: 4.48 min Scan# 853
Delta R.T. -0.02 min
Lab File: VN063862.D
Acq: 5 Oct 2020 11:42

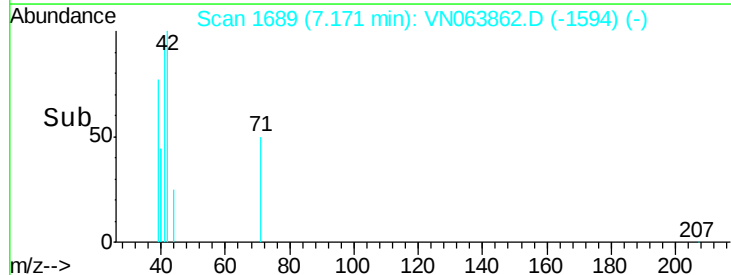
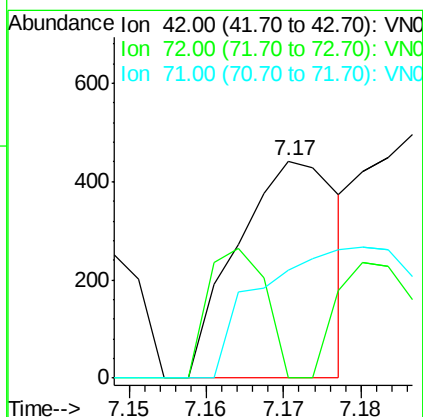
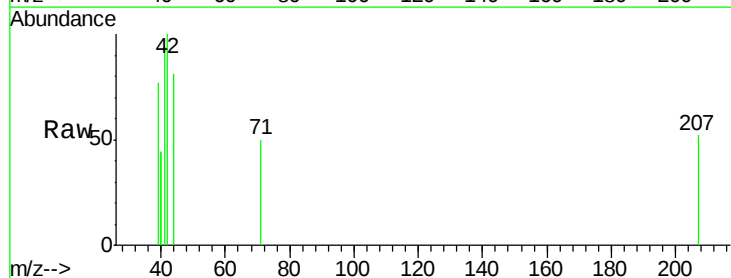
Instrument :
MSVOA_N
ClientSampled :
B-16(11-13)ME

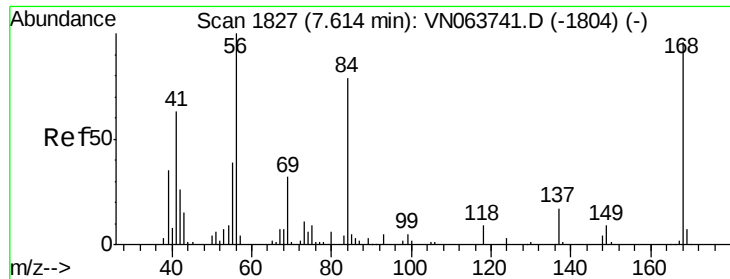
Tgt Ion: 84 Resp: 545
Ion Ratio Lower Upper
84 100
49 48.7 110.4 165.6#
51 51.1 33.3 49.9#
86 59.8 50.7 76.1



#29
Tetrahydrofuran
Concen: 0.366 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VN063862.D
Acq: 5 Oct 2020 11:42

Tgt Ion: 42 Resp: 402
Ion Ratio Lower Upper
42 100
72 33.8 32.8 49.2
71 0.0 30.6 45.8#

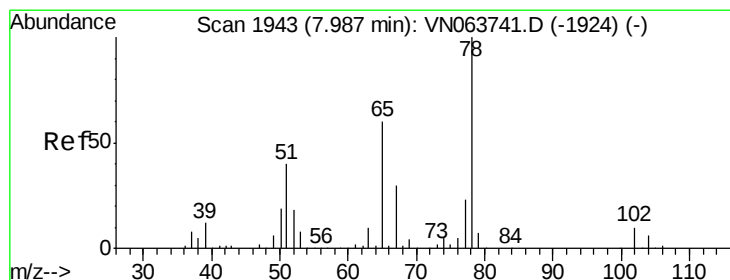
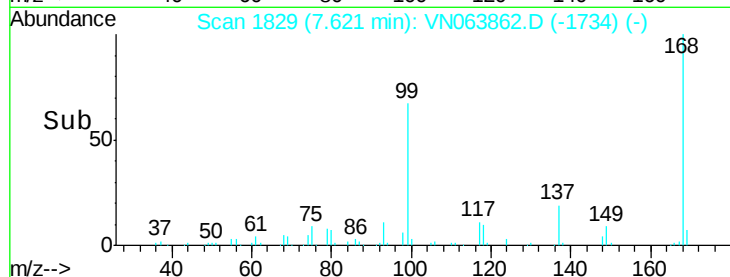
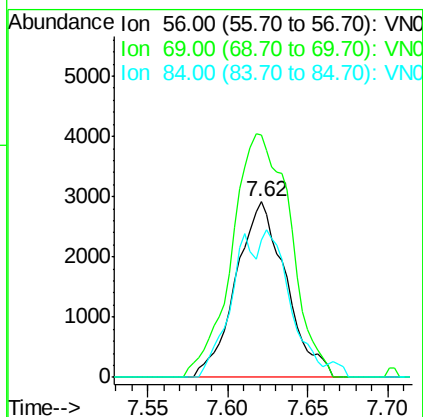
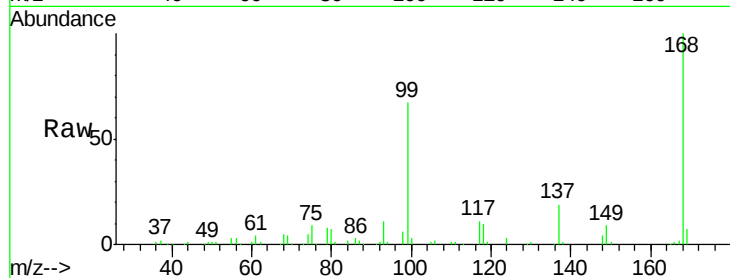




#31
Cyclohexane
Concen: 1.434 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN063862.D
Acq: 5 Oct 2020 11:42

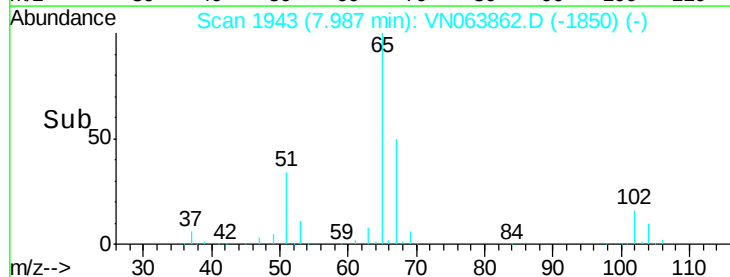
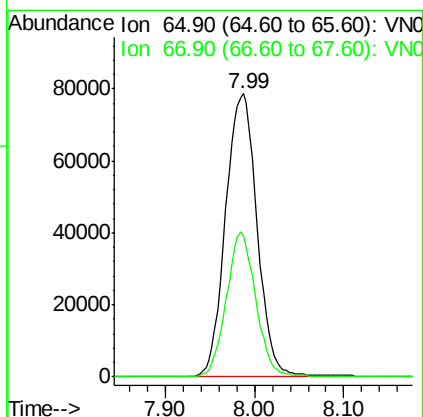
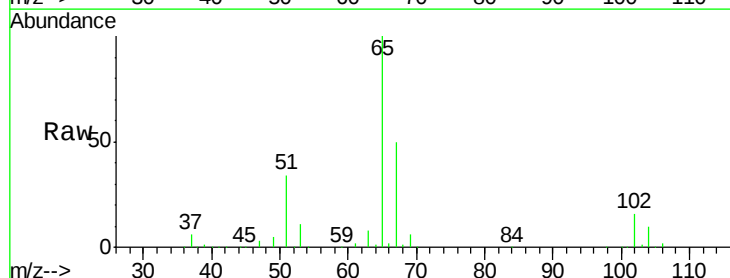
Instrument :
MSVOA_N
ClientSampleId :
B-16(11-13)ME

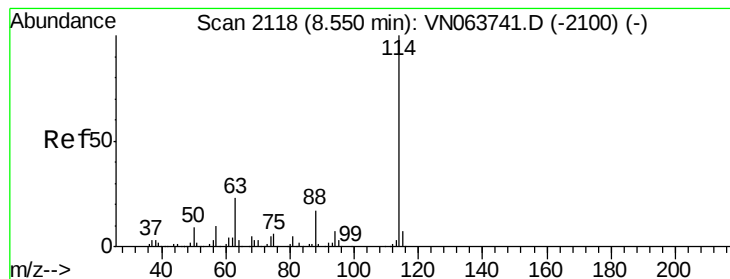
Tgt Ion: 56 Resp: 6248
Ion Ratio Lower Upper
56 100
69 138.0 25.4 38.2#
84 78.3 63.3 94.9



#33
1,2-Dichloroethane-d4
Concen: 51.412 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN063862.D
Acq: 5 Oct 2020 11:42

Tgt Ion: 65 Resp: 192885
Ion Ratio Lower Upper
65 100
67 47.7 0.0 99.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VN063862.D

Acq: 5 Oct 2020 11:42

Instrument :

MSVOA_N

ClientSampleId :

B-16(11-13)ME

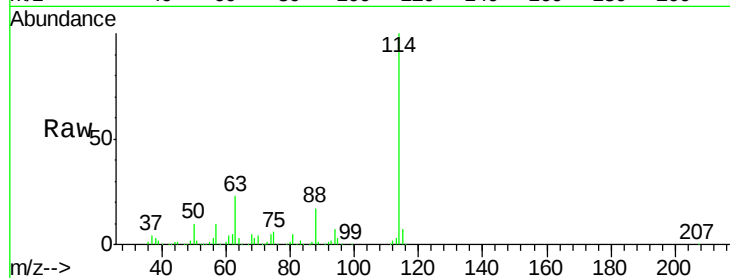
Tgt Ion:114 Resp: 403394

Ion Ratio Lower Upper

114 100

63 23.0 0.0 45.0

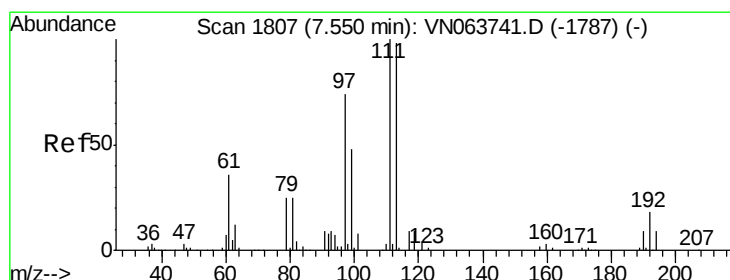
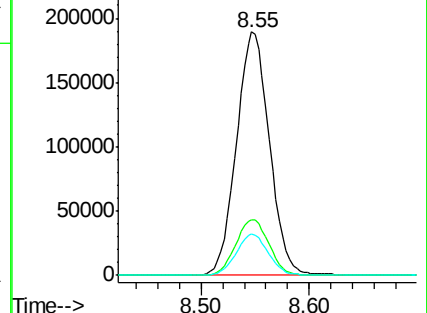
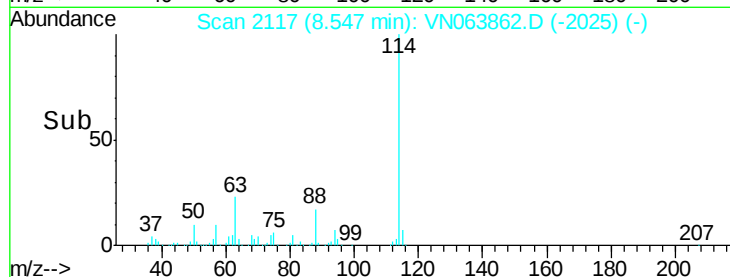
88 16.8 0.0 34.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 48.627 ug/l

RT: 7.55 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VN063862.D

Acq: 5 Oct 2020 11:42

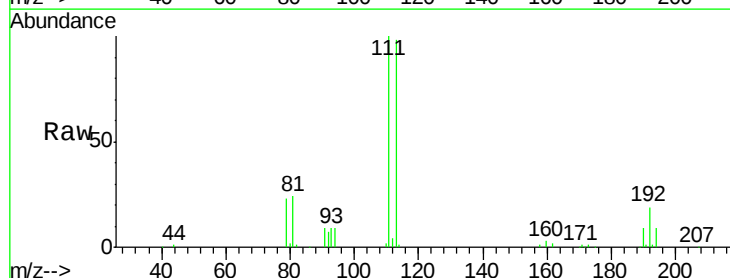
Tgt Ion:113 Resp: 136109

Ion Ratio Lower Upper

113 100

111 104.9 81.8 122.8

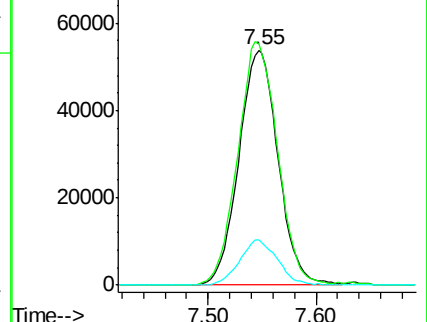
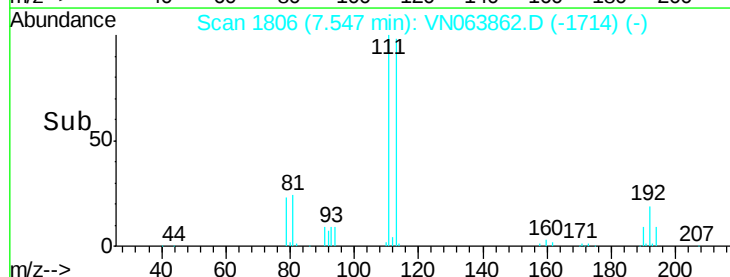
192 18.5 14.2 21.2

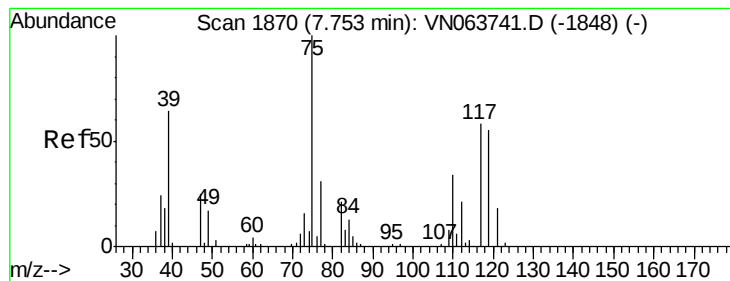


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.064 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.13 min

Lab File: VN063862.D

Acq: 5 Oct 2020 11:42

Instrument :

MSVOA_N

ClientSampleId :

B-16(11-13)ME

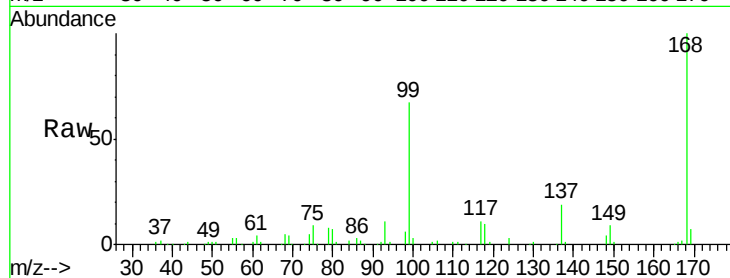
Tgt Ion: 75 Resp: 20696

Ion Ratio Lower Upper

75 100

110 10.2 16.9 50.6#

77 0.0 24.5 36.7#

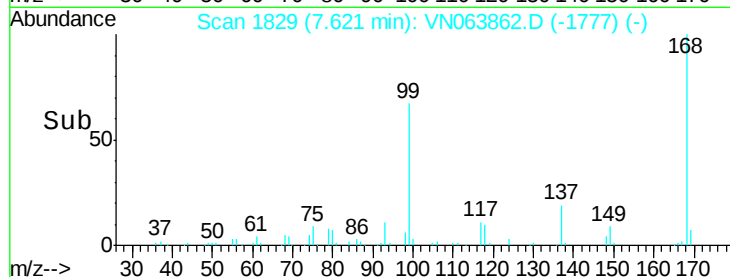


Abundance Ion 74.90 (74.60 to 75.60): VN063862.D (-1777) (-)

Ion 109.90 (109.60 to 110.60): VN063862.D (-1777) (-)

Ion 76.90 (76.60 to 77.60): VN063862.D (-1777) (-)

Time-->



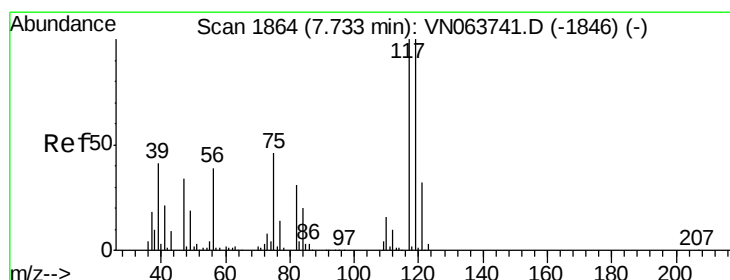
Abundance

Ion 74.90 (74.60 to 75.60): VN063862.D (-1777) (-)

Ion 109.90 (109.60 to 110.60): VN063862.D (-1777) (-)

Ion 76.90 (76.60 to 77.60): VN063862.D (-1777) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.472 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.11 min

Lab File: VN063862.D

Acq: 5 Oct 2020 11:42

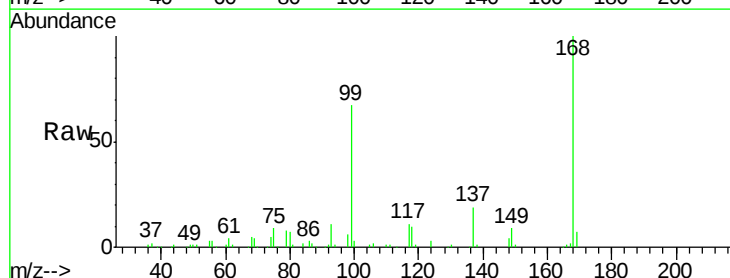
Tgt Ion: 117 Resp: 25076

Ion Ratio Lower Upper

117 100

119 6.5 80.1 120.1#

121 0.0 25.7 38.5#

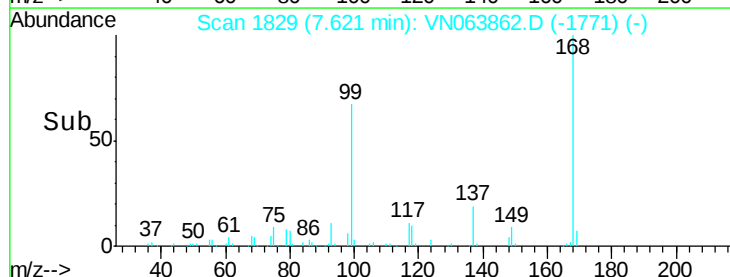


Abundance Ion 116.80 (116.50 to 117.50): VN063862.D (-1771) (-)

Ion 118.80 (118.50 to 119.50): VN063862.D (-1771) (-)

Ion 120.80 (120.50 to 121.50): VN063862.D (-1771) (-)

Time-->



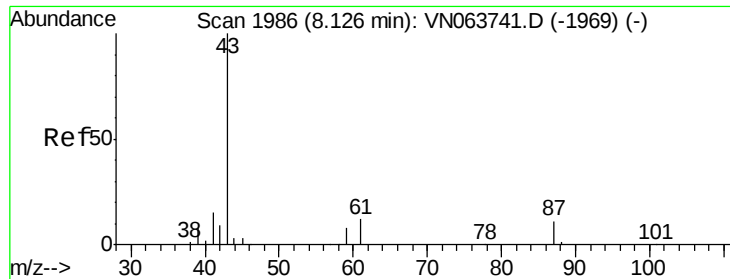
Abundance

Ion 116.80 (116.50 to 117.50): VN063862.D (-1771) (-)

Ion 118.80 (118.50 to 119.50): VN063862.D (-1771) (-)

Ion 120.80 (120.50 to 121.50): VN063862.D (-1771) (-)

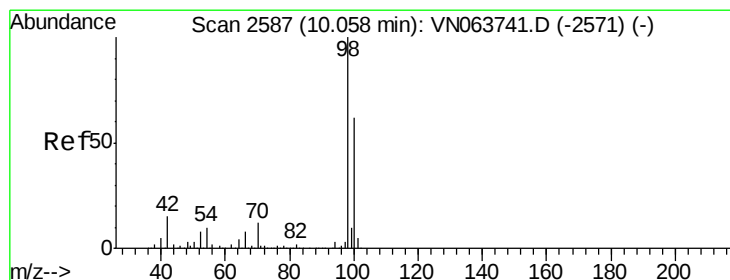
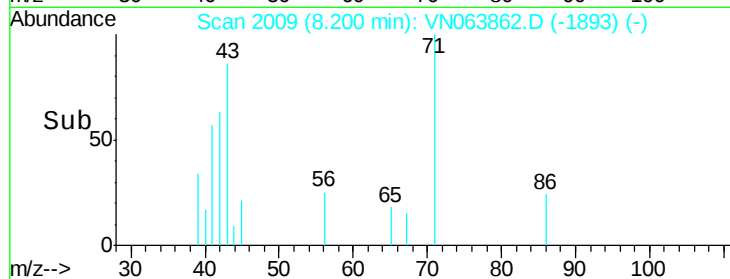
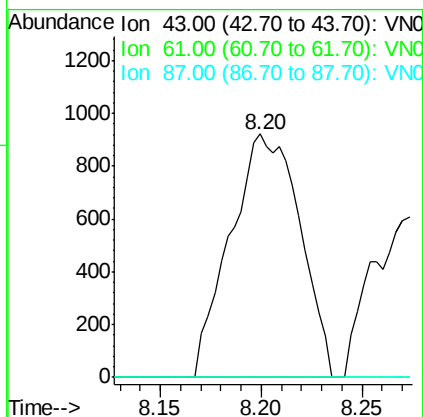
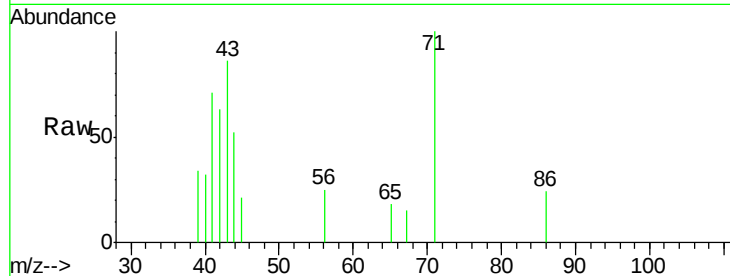
Time-->



#43
Isopropyl Acetate
Concen: 0.330 ug/l
RT: 8.20 min Scan# 2009
Delta R.T. 0.07 min
Lab File: VN063862.D
Acq: 5 Oct 2020 11:42

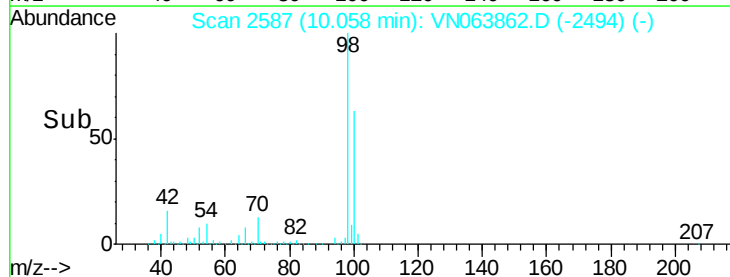
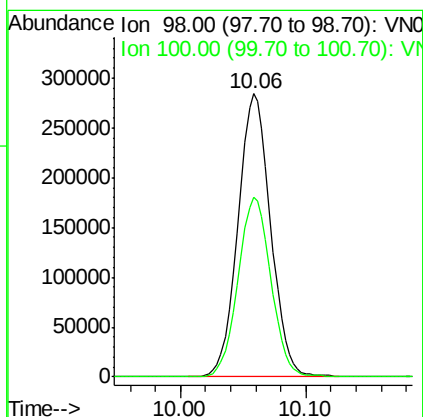
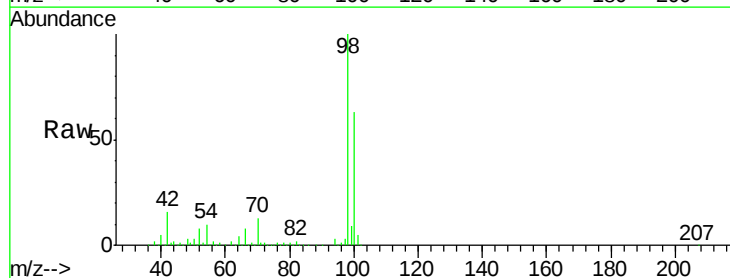
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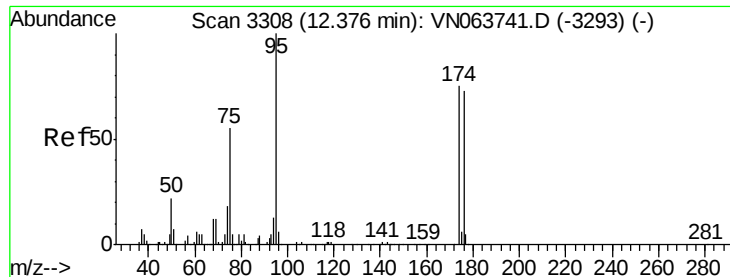
Tgt Ion: 43 Resp: 2208
Ion Ratio Lower Upper
43 100
61 0.0 14.2 21.4#
87 0.0 9.0 13.6#



#50
Toluene-d8
Concen: 48.360 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN063862.D
Acq: 5 Oct 2020 11:42

Tgt Ion: 98 Resp: 513149
Ion Ratio Lower Upper
98 100
100 64.0 49.8 74.6

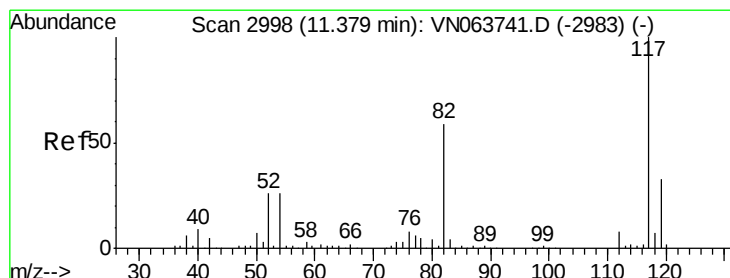
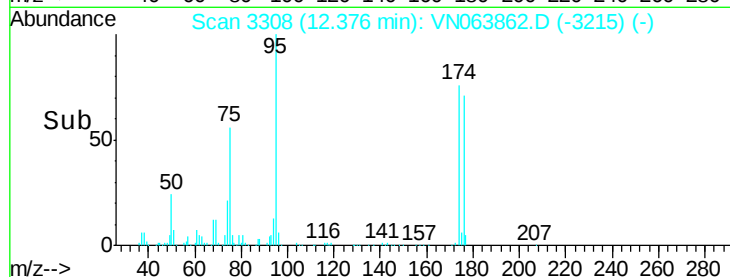
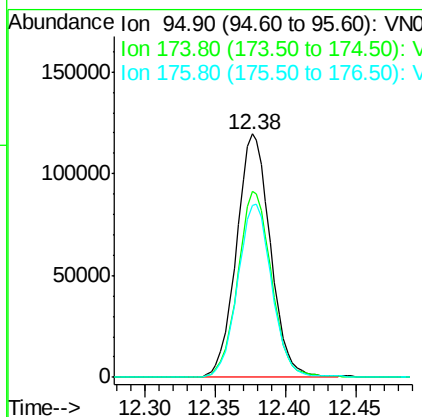
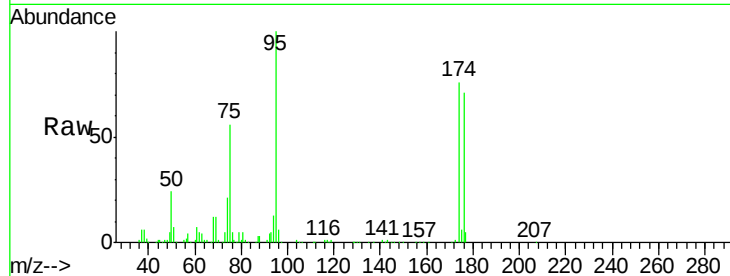




#62
4-Bromofluorobenzene
Concen: 50.583 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN063862.D
Acq: 5 Oct 2020 11:42

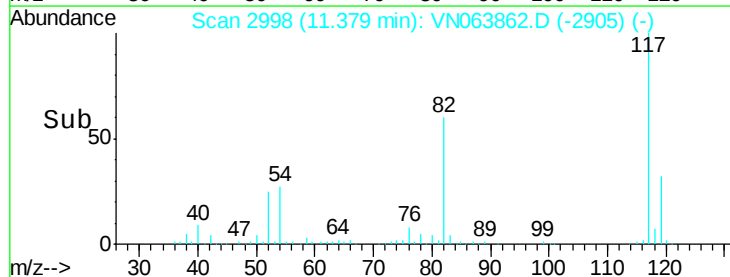
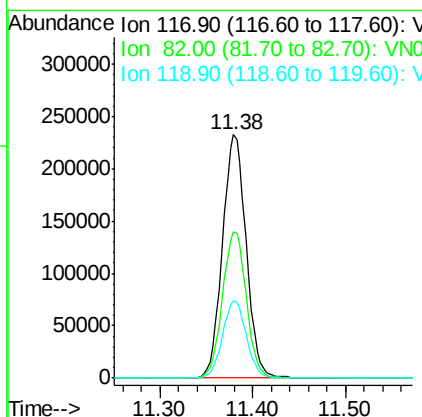
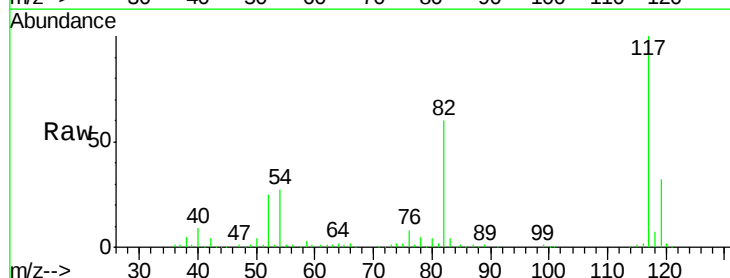
Instrument :
MSVOA_N
ClientSampleId :
B-16(11-13)ME

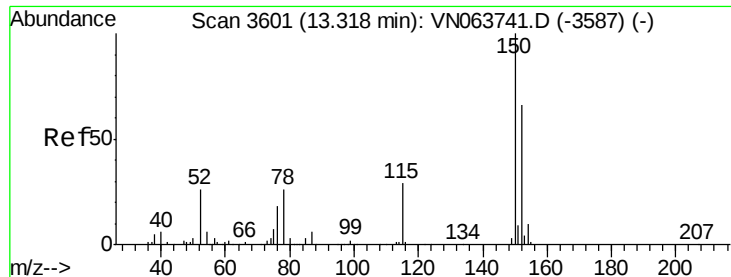
Tgt Ion: 95 Resp: 201763
Ion Ratio Lower Upper
95 100
174 75.7 0.0 150.6
176 71.7 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063862.D
Acq: 5 Oct 2020 11:42

Tgt Ion: 117 Resp: 412045
Ion Ratio Lower Upper
117 100
82 60.0 47.4 71.2
119 31.8 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: VN063862.D

Acq: 5 Oct 2020 11:42

Instrument :

MSVOA_N

ClientSampleId :

B-16(11-13)ME

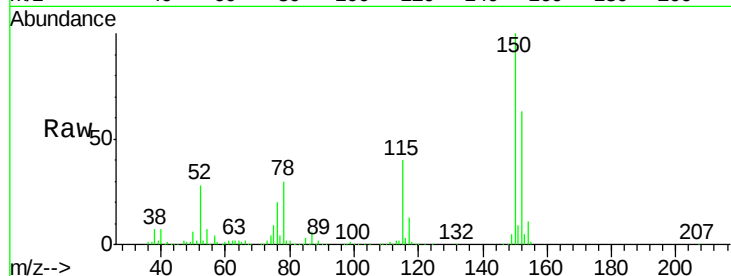
Tgt Ion:152 Resp: 170909

Ion Ratio Lower Upper

152 100

115 63.1 31.3 93.8

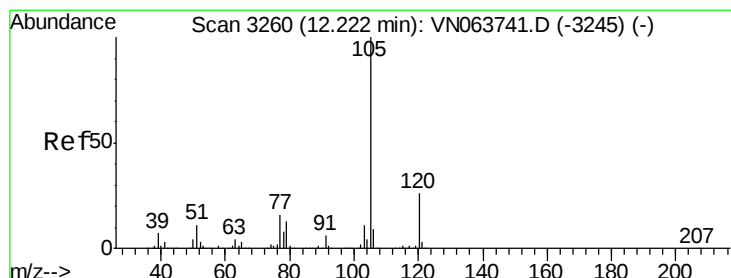
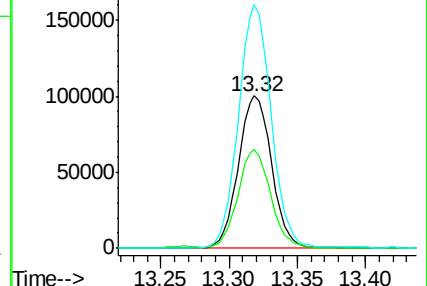
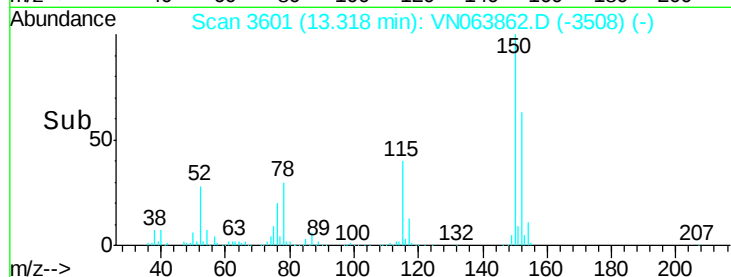
150 156.7 0.0 341.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.518 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063862.D

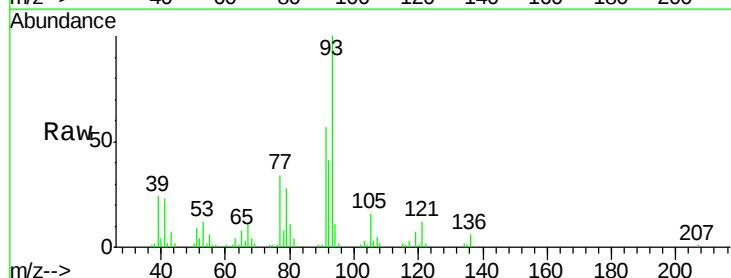
Acq: 5 Oct 2020 11:42

Tgt Ion:105 Resp: 6461

Ion Ratio Lower Upper

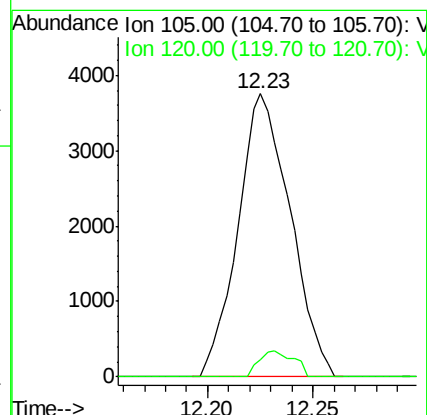
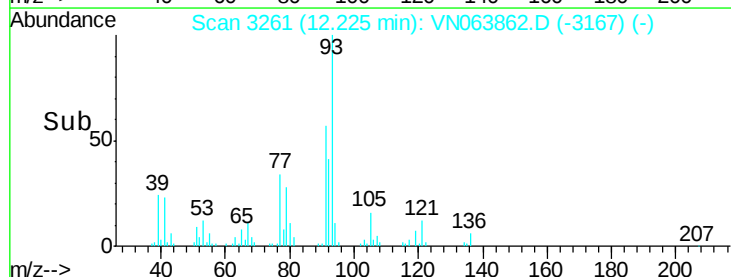
105 100

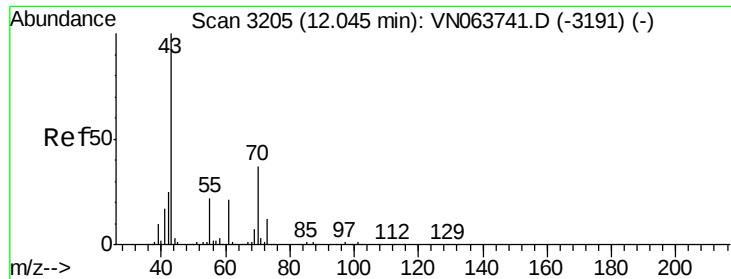
120 6.1 12.6 37.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

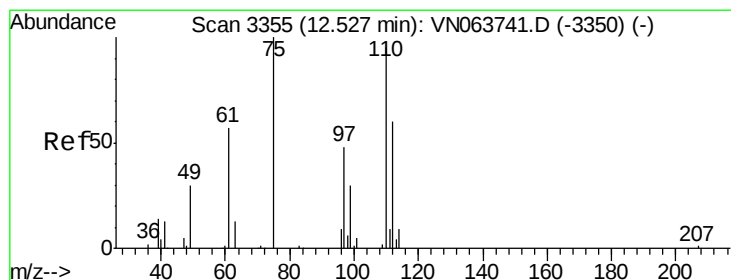
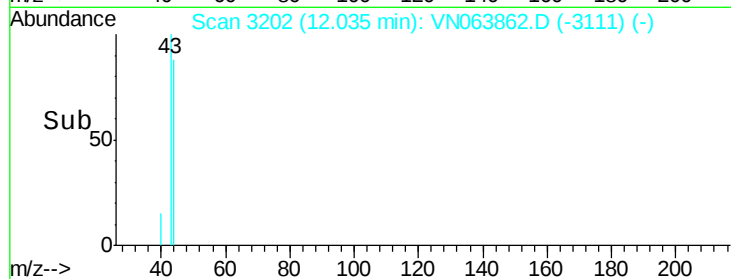
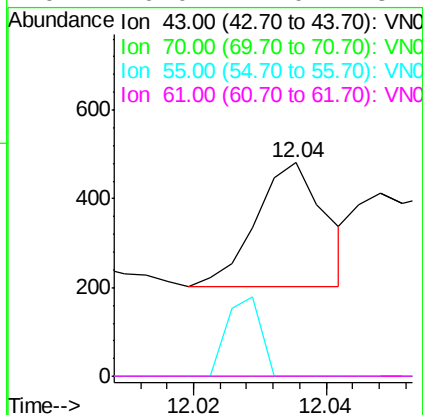
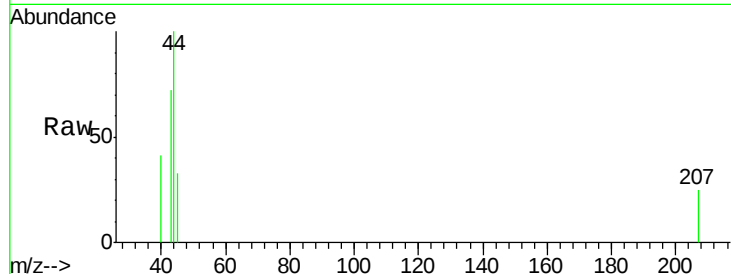




#74
N-ethyl acetate
Concen: 2.250 ug/l
RT: 12.04 min Scan# 3202
Delta R.T. -0.01 min
Lab File: VN063862.D
Acq: 5 Oct 2020 11:42

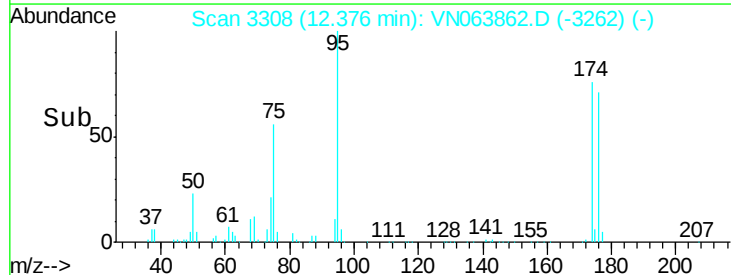
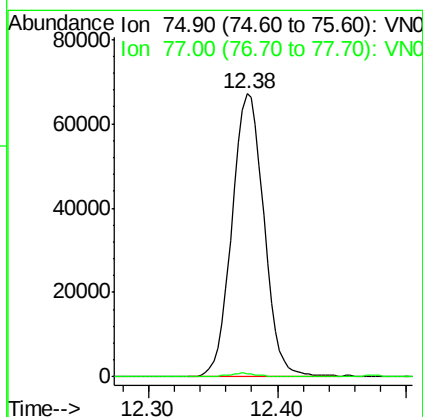
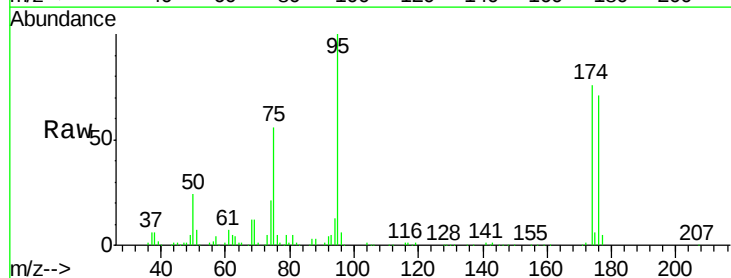
Instrument :
MSVOA_N
ClientSampleId :
B-16(11-13)ME

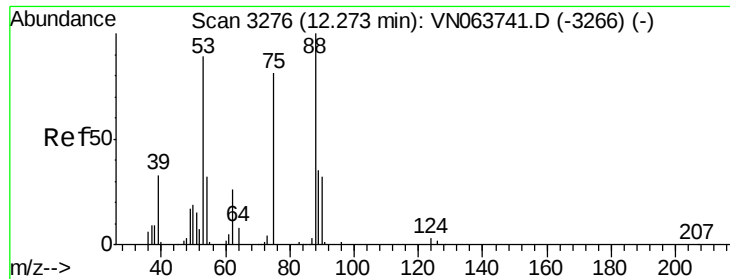
Tgt Ion:	43	Resp:	204
Ion	Ratio	Lower	Upper
43	100		
70	0.0	29.8	44.8#
55	0.0	17.9	26.9#
61	0.0	17.0	25.4#



#76
1,2,3-Trichloropropane
Concen: 30.748 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.15 min
Lab File: VN063862.D
Acq: 5 Oct 2020 11:42

Tgt Ion:	75	Resp:	115842
Ion	Ratio	Lower	Upper
75	100		
77	1.1	0.0	0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 88.558 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063862.D

Acq: 5 Oct 2020 11:42

Instrument :

MSVOA_N

ClientSampleId :

B-16(11-13)ME

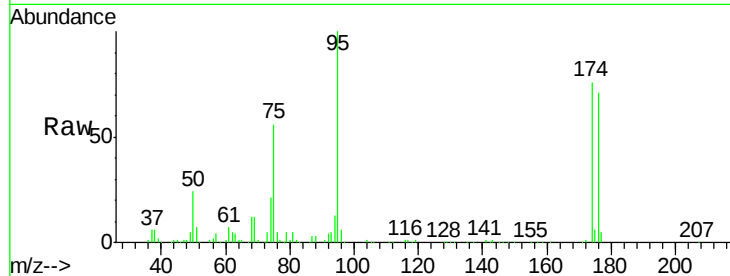
Tgt Ion: 75 Resp: 115842

Ion Ratio Lower Upper

75 100

53 0.0 88.2 132.2#

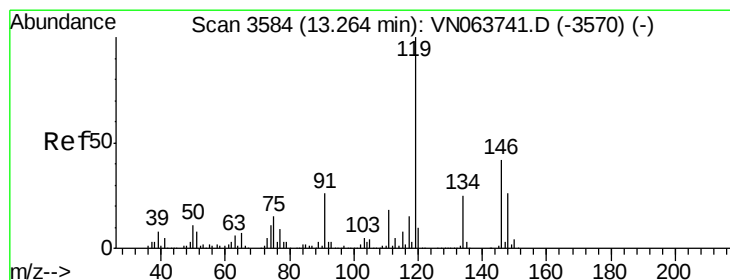
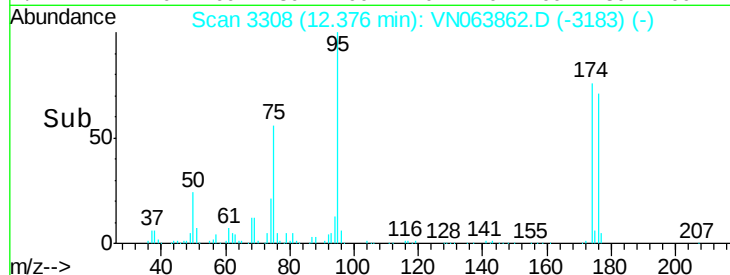
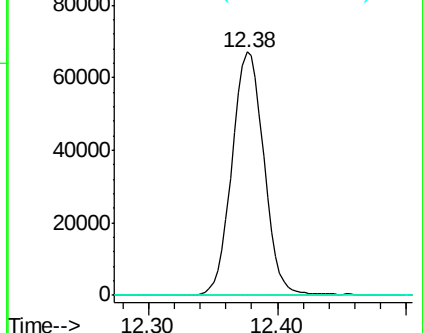
89 0.1 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN063862.D (-3183) (-)

Ion 53.00 (52.70 to 53.70): VN063862.D (-3183) (-)

Ion 88.90 (88.60 to 89.60): VN063862.D (-3183) (-)



#86

p-Isopropyltoluene

Concen: 2.927 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN063862.D

Acq: 5 Oct 2020 11:42

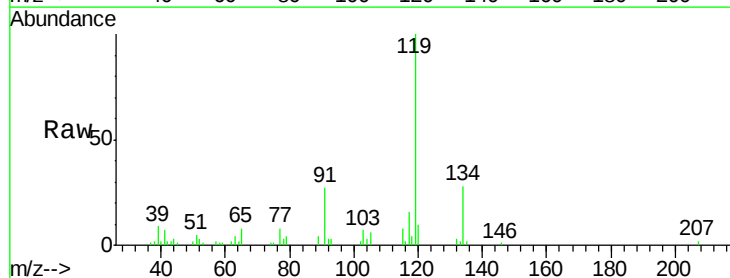
Tgt Ion: 119 Resp: 29091

Ion Ratio Lower Upper

119 100

134 26.0 12.6 37.8

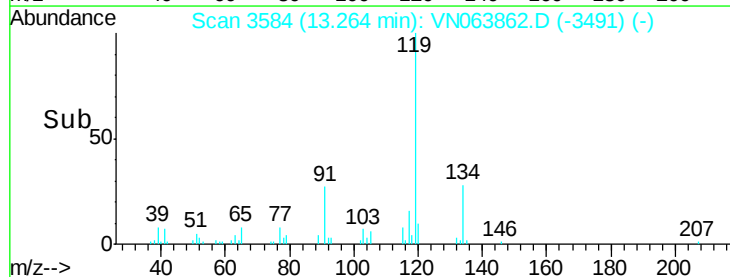
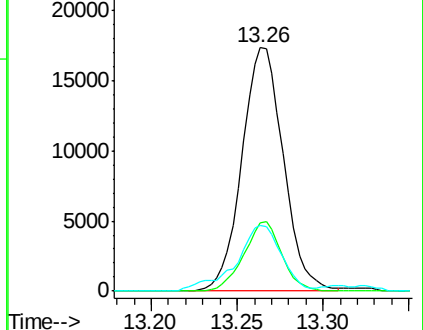
91 29.5 13.4 40.2

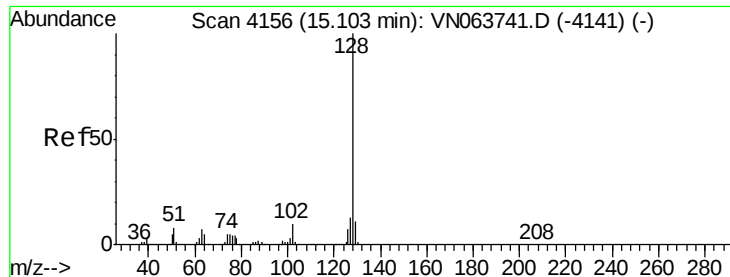


Abundance Ion 119.00 (118.70 to 119.70): VN063862.D (-3491) (-)

Ion 134.00 (133.70 to 134.70): VN063862.D (-3491) (-)

Ion 91.00 (90.70 to 91.70): VN063862.D (-3491) (-)





#95

Naphthalene

Concen: 2.050 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN063862.D

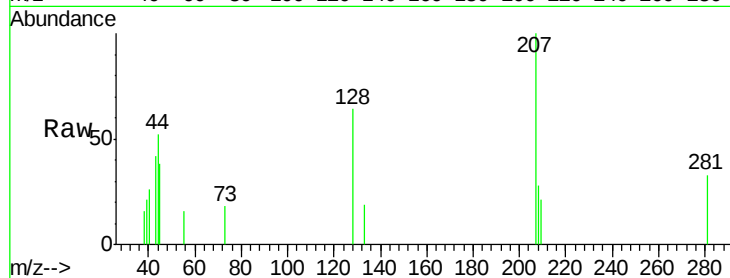
Acq: 5 Oct 2020 11:42

Instrument :

MSVOA_N

ClientSampleId :

B-16(11-13)ME



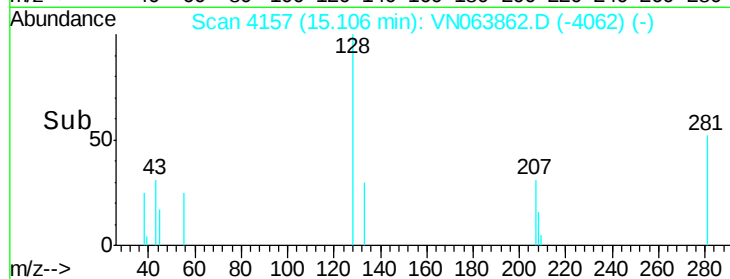
Tgt Ion:128 Resp: 1207

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.7 13.1#



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

800

600

400

200

0

15.10

15.11

15.12

15.13

15.14

15.15

Time-->