

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091420\
 Data File : VN063341.D
 Acq On : 14 Sep 2020 14:31
 Operator : JC/MD
 Sample : L3981-04ME 20X
 Misc : 8.33g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 B18-0-2ME

Quant Time: Sep 15 05:10:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091020W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 11 06:02:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	390203	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	728836	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	714902	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	296626	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	299689	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	
35) Dibromofluoromethane	7.55	113	230069	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	
50) Toluene-d8	10.06	98	932529	51.75	ug/l	0.00
Spiked Amount			Recovery	=	103.50%	
62) 4-Bromofluorobenzene	12.38	95	349201	52.47	ug/l	0.00
Spiked Amount			Recovery	=	104.94%	

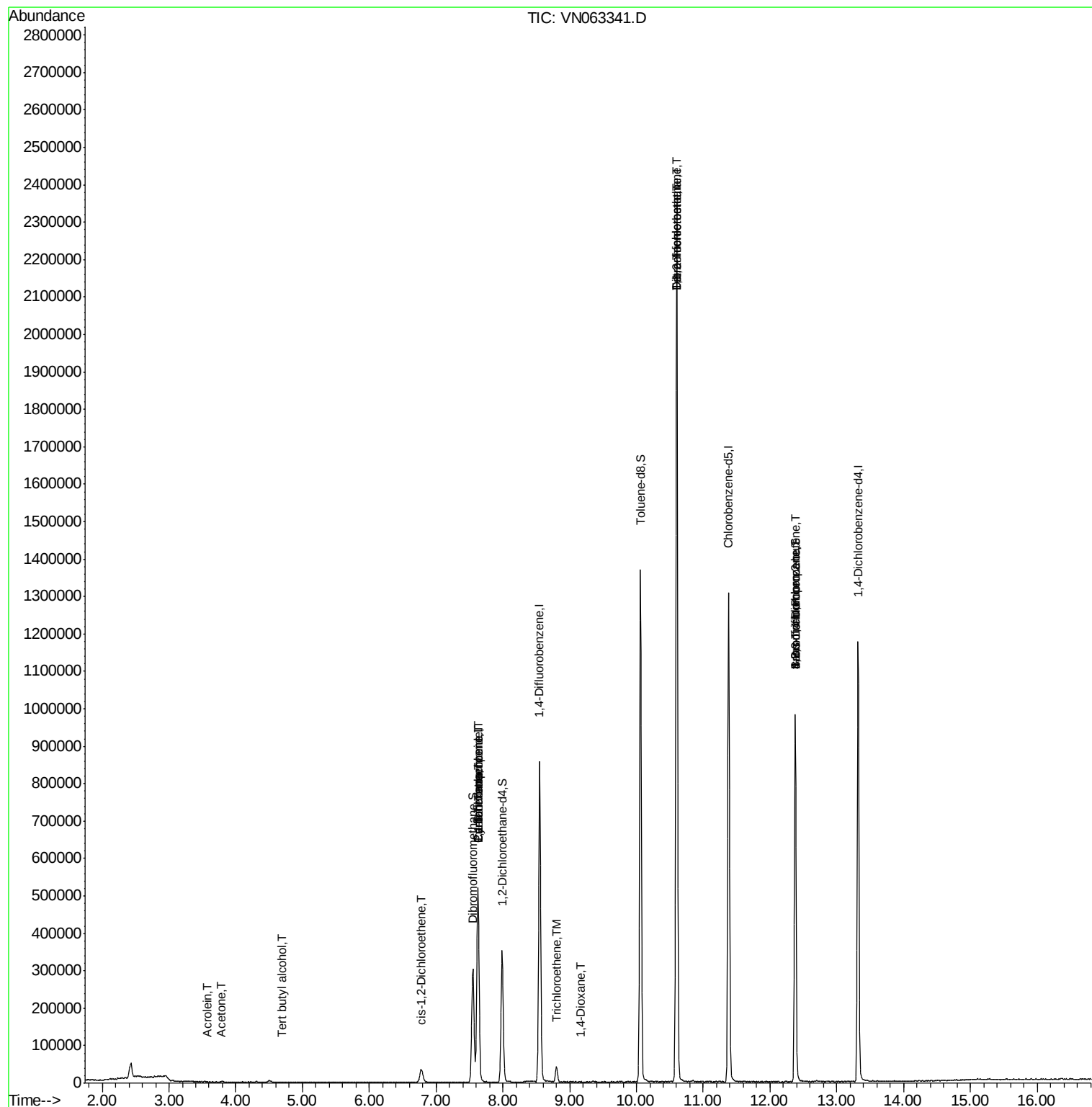
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	1953	Below Cal	#	81
11) Tert butyl alcohol	4.69	59	276	0.341	ug/l #	72
13) Acrolein	3.58	56	103	32.661	ug/l #	14
16) Acetone	3.78	43	794	0.375	ug/l #	52
17) Carbon Disulfide	4.01	76	454	Below Cal	#	75
20) Methylene Chloride	4.51	84	2044	Below Cal	#	94
27) cis-1,2-Dichloroethene	6.79	96	11937	2.140	ug/l	89
31) Cyclohexane	7.63	56	10923	1.270	ug/l #	16
36) 1,1-Dichloropropene	7.62	75	35116	4.687	ug/l #	51
38) Carbon Tetrachloride	7.63	117	43447	5.893	ug/l #	17
44) Trichloroethene	8.80	130	13562	2.424	ug/l	85
49) 1,4-Dioxane	9.16	88	178	1.930	ug/l #	36
55) 1,1,2-Trichloroethane	10.60	97	5014	0.979	ug/l #	13
60) Dibromochloromethane	10.60	129	478768	85.167	ug/l #	10
64) Tetrachloroethene	10.60	164	490493	83.753	ug/l	100
71) Bromoform	12.37	173	783	0.202	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	190609	29.127	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	190609	78.259	ug/l #	9
88) 1,4-Dichlorobenzene	13.34	146	383	Below Cal	#	25
95) Naphthalene	15.11	128	1242	Below Cal	#	73
96) 1,2,3-Trichlorobenzene	15.29	180	30	Below Cal	#	12

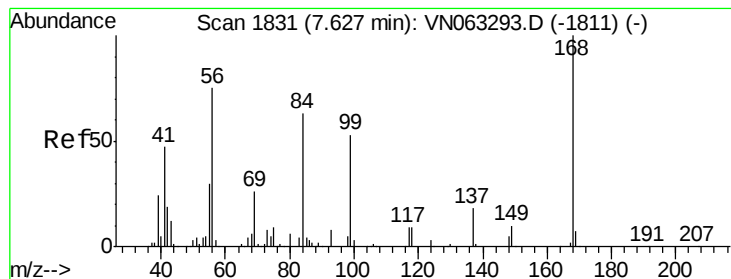
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Title : SW846 8260
QLast Update : Fri Sep 11 06:02:56 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: VN063341.D

Acq: 14 Sep 2020 14:31

Instrument :

MSVOA_N

ClientSampled :

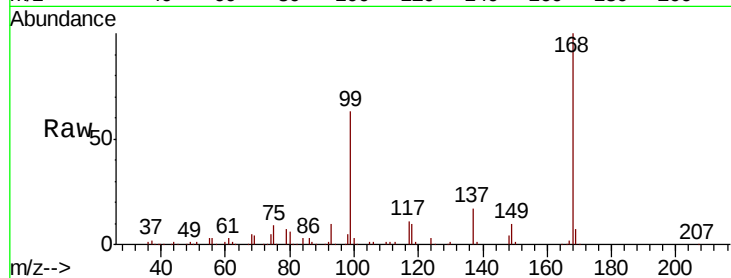
B18-0-2ME

Tot Ion:168 Resp: 390203

Ion Ratio Lower Upper

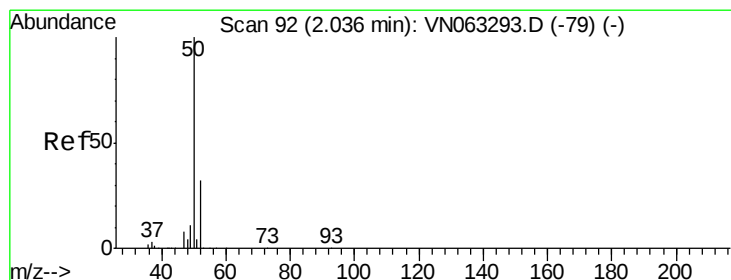
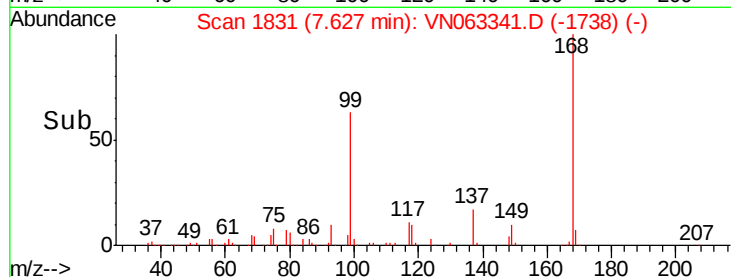
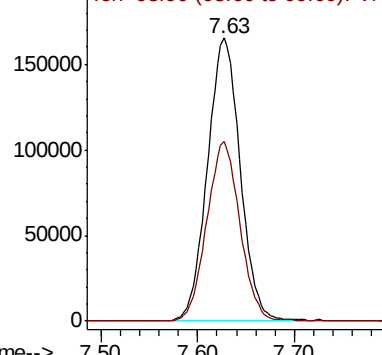
168 100

99 63.4 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 91

Delta R.T. -0.00 min

Lab File: VN063341.D

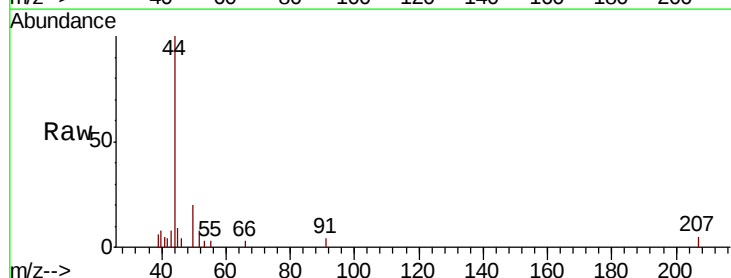
Acq: 14 Sep 2020 14:31

Tgt Ion: 50 Resp: 1953

Ion Ratio Lower Upper

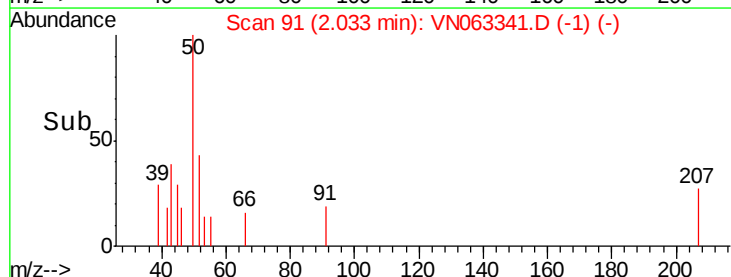
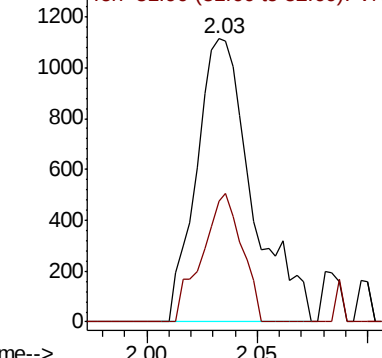
50 100

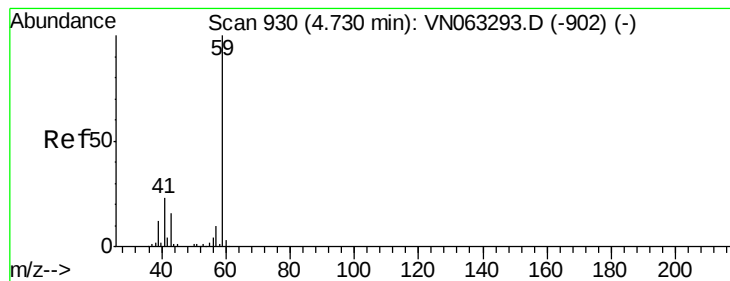
52 42.6 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN



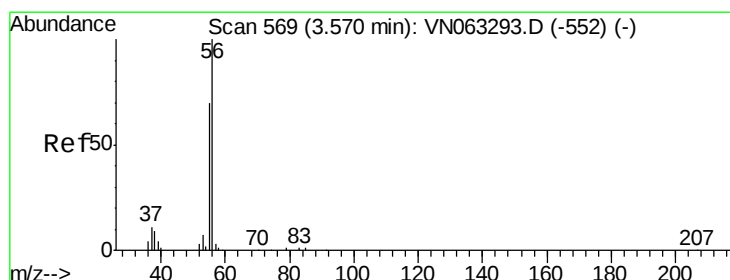
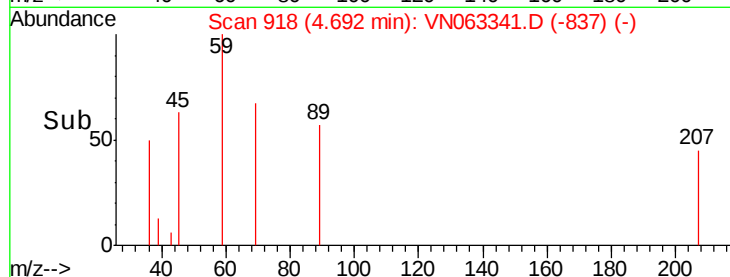
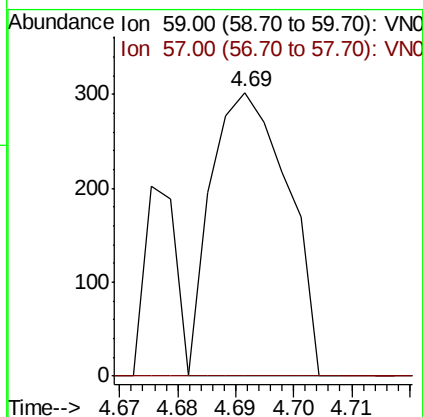
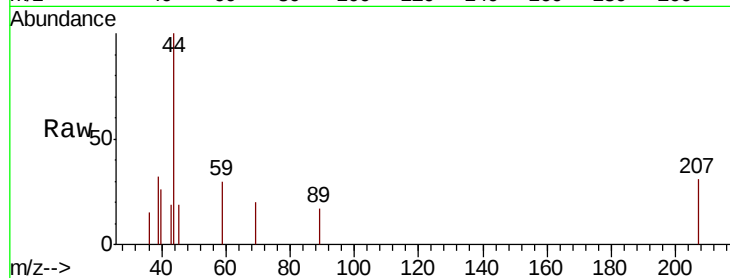


#11

Tert butyl alcohol
 Concen: 0.341 ug/l
 RT: 4.69 min Scan# 918
 Delta R.T. -0.04 min
 Lab File: VN063341.D
 Acq: 14 Sep 2020 14:31

Instrument :
 MSVOA_N
 ClientSampleId :
 B18-0-2ME

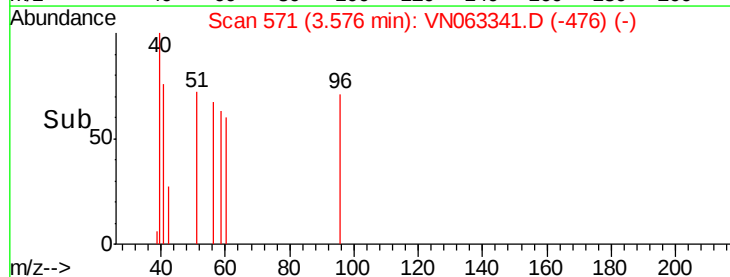
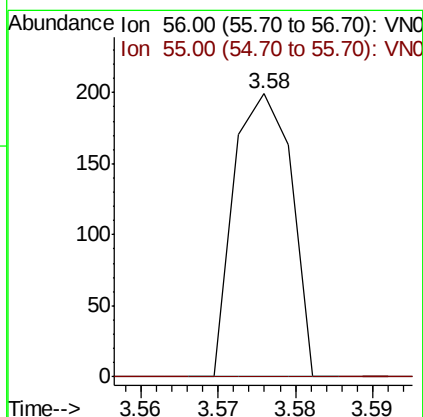
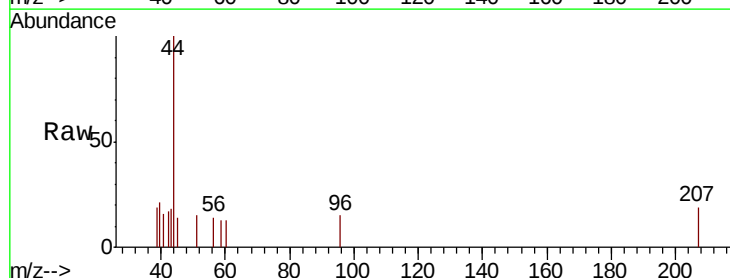
Tot Ion: 59 Resp: 276
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

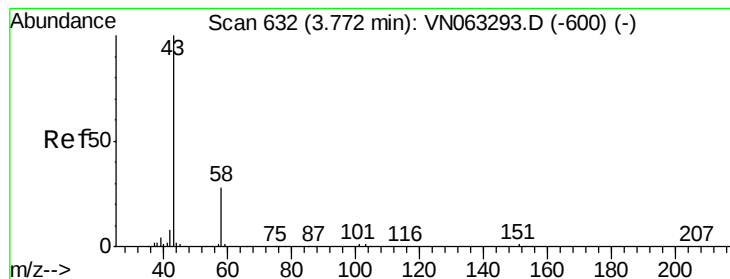


#13

Acrolein
 Concen: 32.661 ug/l
 RT: 3.58 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: VN063341.D
 Acq: 14 Sep 2020 14:31

Tgt Ion: 56 Resp: 103
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.2 85.8#





#16

Acetone

Concen: 0.375 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN063341.D

Acq: 14 Sep 2020 14:31

Instrument :

MSVOA_N

ClientSampled :

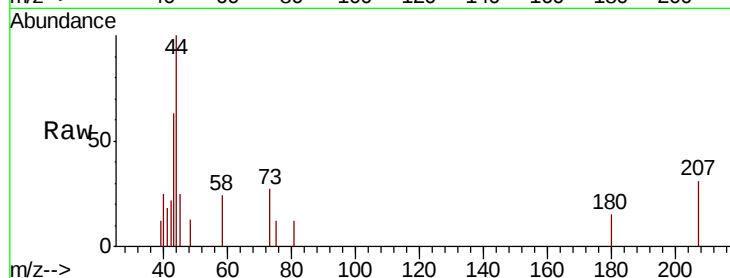
B18-0-2ME

Tot Ion: 43 Resp: 794

Ion Ratio Lower Upper

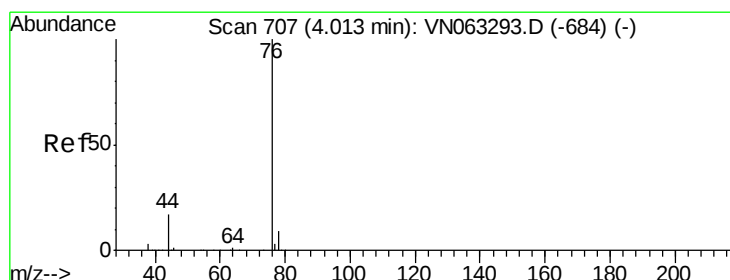
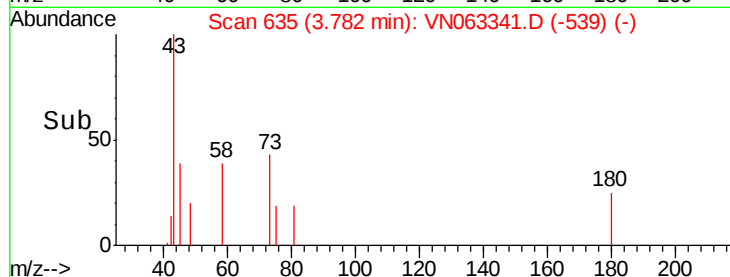
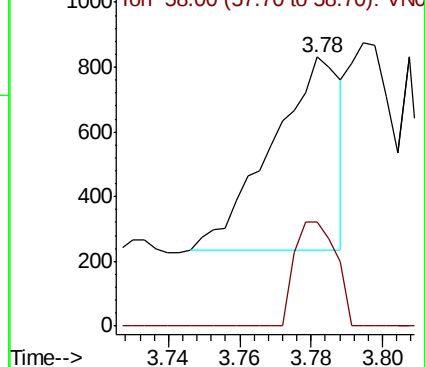
43 100

58 53.8 22.6 34.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN063341.D

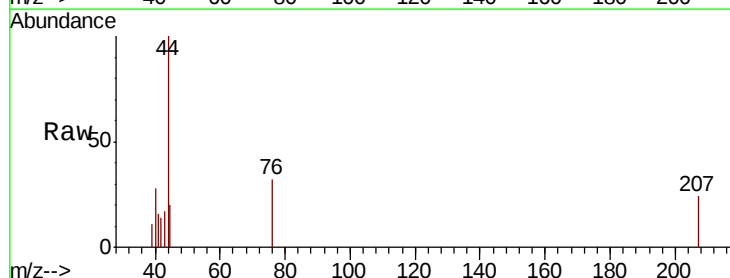
Acq: 14 Sep 2020 14:31

Tgt Ion: 76 Resp: 454

Ion Ratio Lower Upper

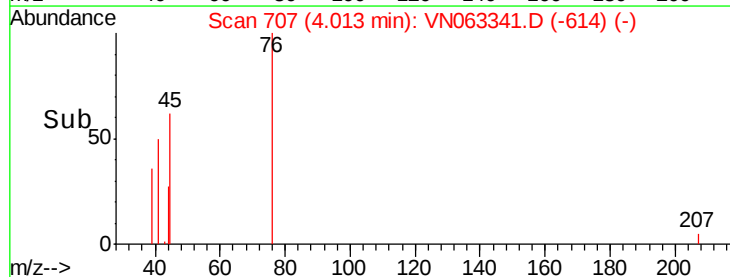
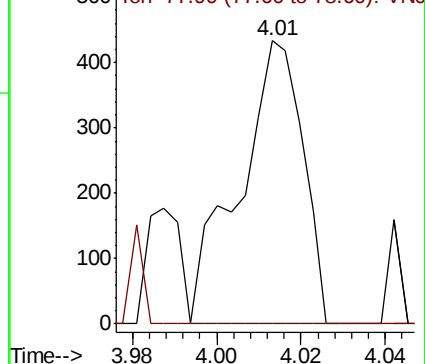
76 100

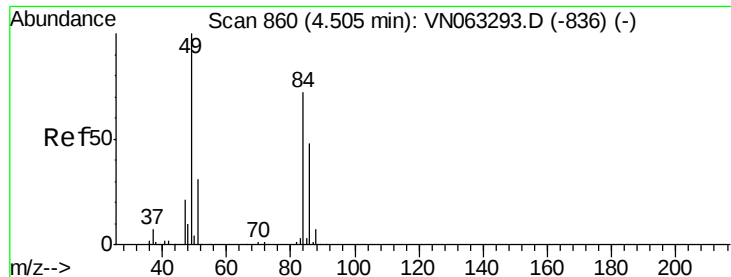
78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





#20

Methylene Chloride

Concen: Below Cal

RT: 4.51 min Scan# 860

Delta R.T. 0.00 min

Lab File: VN063341.D

Acq: 14 Sep 2020 14:31

Instrument :

MSVOA_N

ClientSampleId :

B18-0-2ME

Tot Ion: 84 Resp: 2044

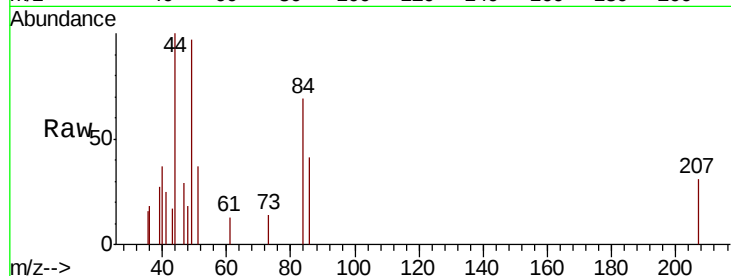
Ion Ratio Lower Upper

84 100

49 141.2 111.1 166.7

51 53.5 34.3 51.5#

86 59.0 52.9 79.3

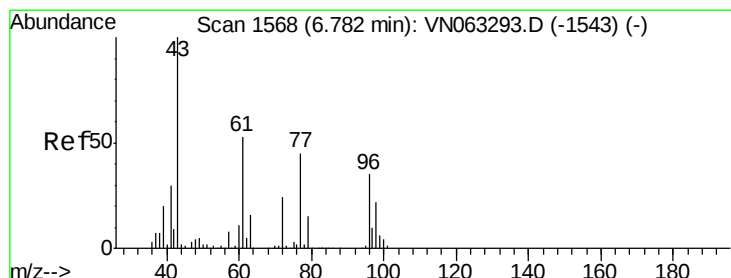
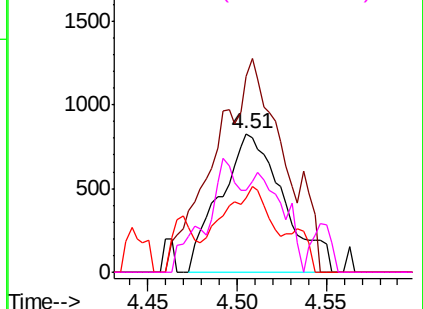
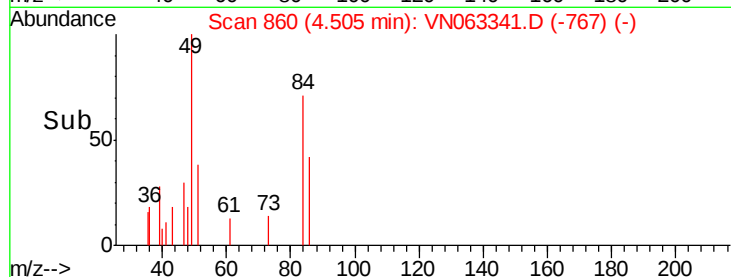


Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO



#27

cis-1,2-Dichloroethene

Concen: 2.140 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. 0.01 min

Lab File: VN063341.D

Acq: 14 Sep 2020 14:31

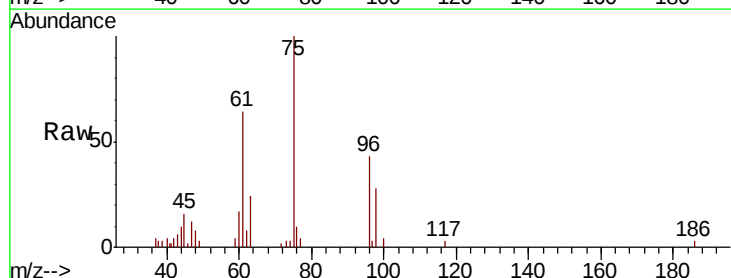
Tgt Ion: 96 Resp: 11937

Ion Ratio Lower Upper

96 100

61 144.8 0.0 322.8

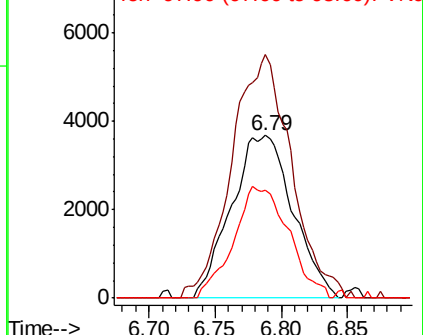
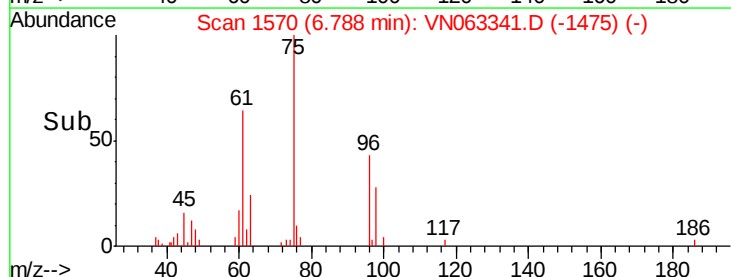
98 61.2 0.0 132.2

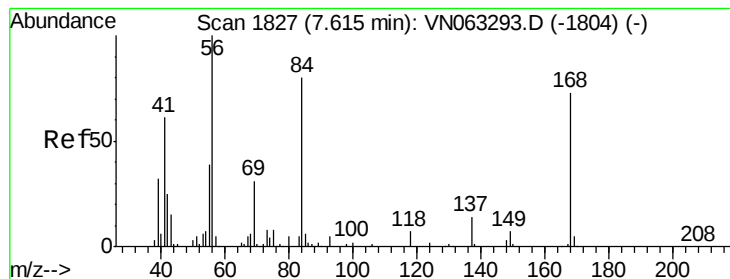


Abundance Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#31

Cyclohexane

Concen: 1.270 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN063341.D

Acq: 14 Sep 2020 14:31

Instrument :

MSVOA_N

ClientSampleId :

B18-0-2ME

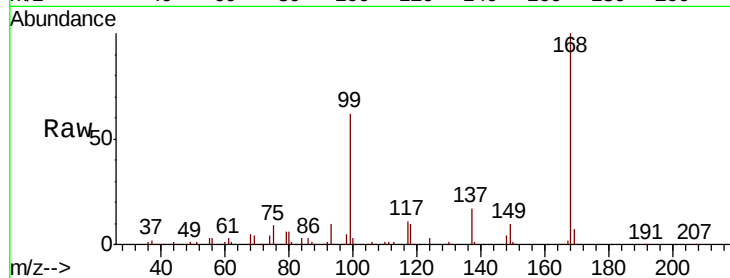
Tot Ion: 56 Resp: 10923

Ion Ratio Lower Upper

56 100

69 148.0 25.1 37.7#

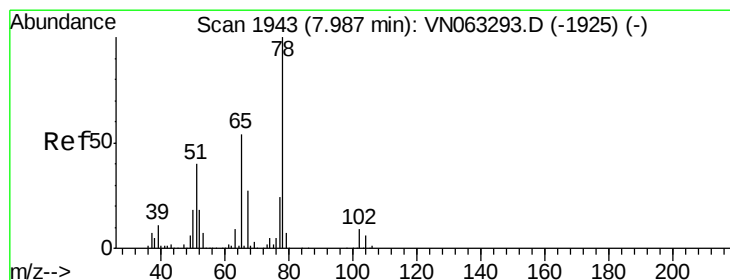
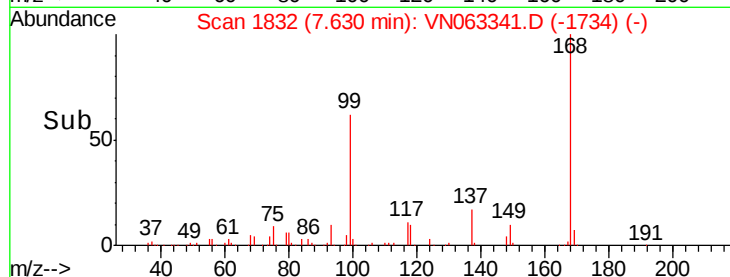
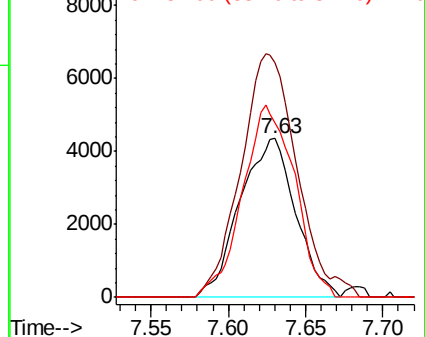
84 110.2 64.2 96.2#



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



#33

1,2-Dichloroethane-d4

Concen: 48.884 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN063341.D

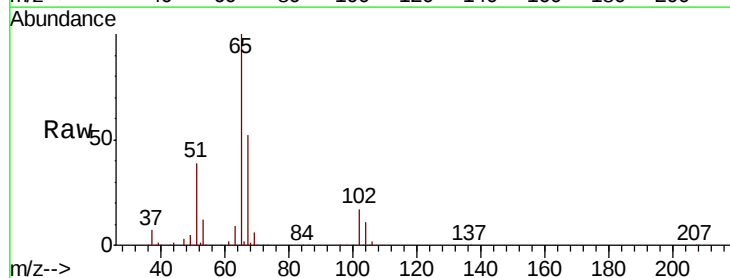
Acq: 14 Sep 2020 14:31

Tgt Ion: 65 Resp: 299689

Ion Ratio Lower Upper

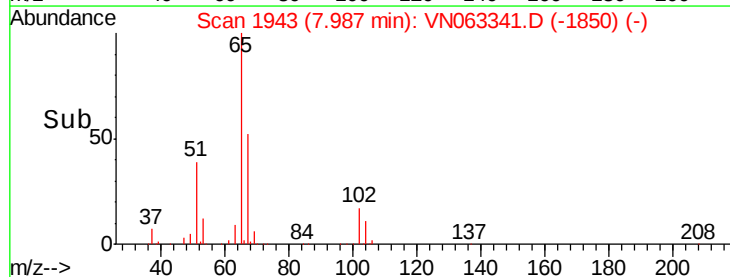
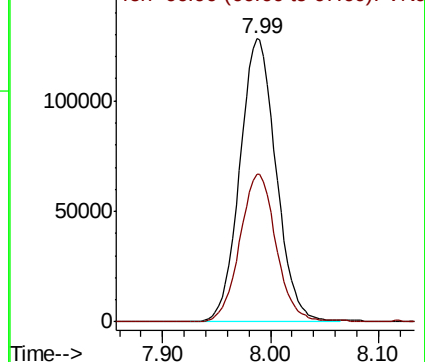
65 100

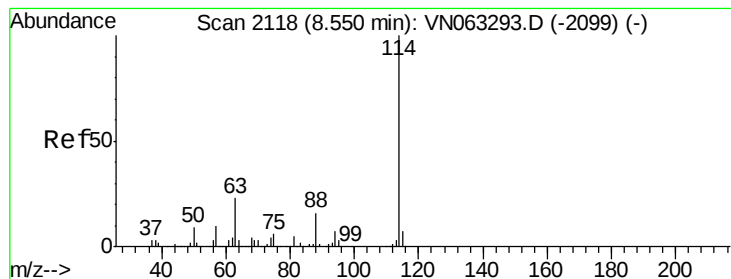
67 52.2 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN063341.D

Acq: 14 Sep 2020 14:31

Instrument :

MSVOA_N

ClientSampleId :

B18-0-2ME

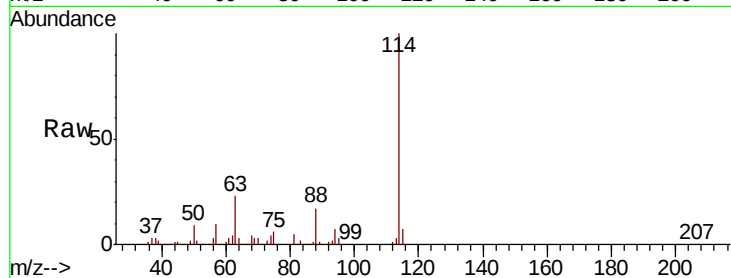
Tot Ion:114 Resp: 728836

Ion Ratio Lower Upper

114 100

63 22.7 0.0 46.0

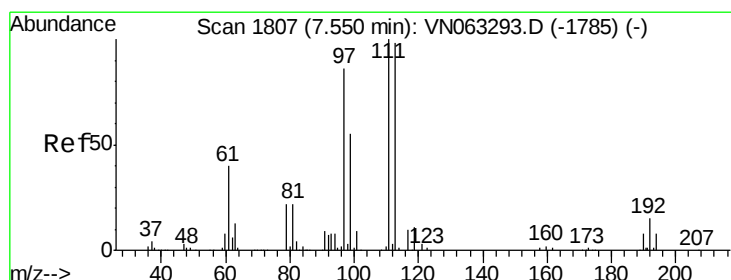
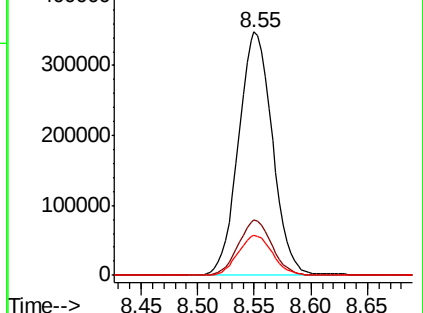
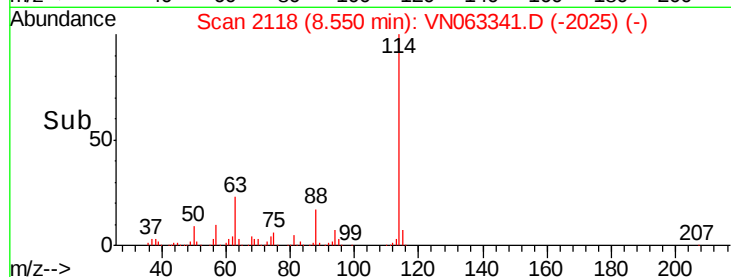
88 16.6 0.0 32.8



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: 48.931 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VN063341.D

Acq: 14 Sep 2020 14:31

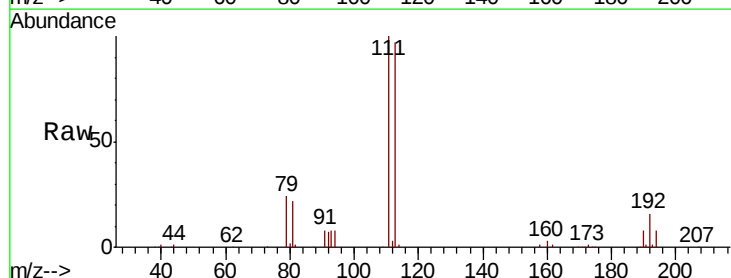
Tgt Ion:113 Resp: 230069

Ion Ratio Lower Upper

113 100

111 103.8 82.2 123.2

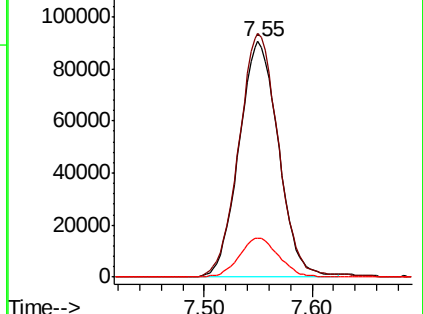
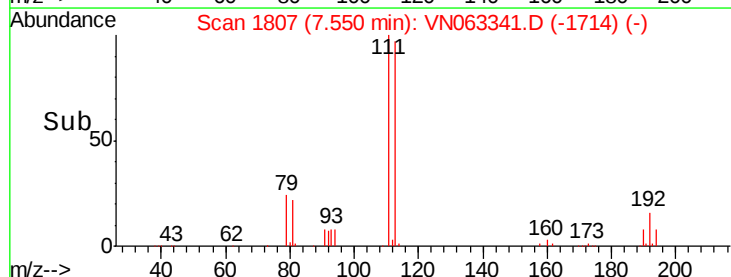
192 16.6 12.9 19.3

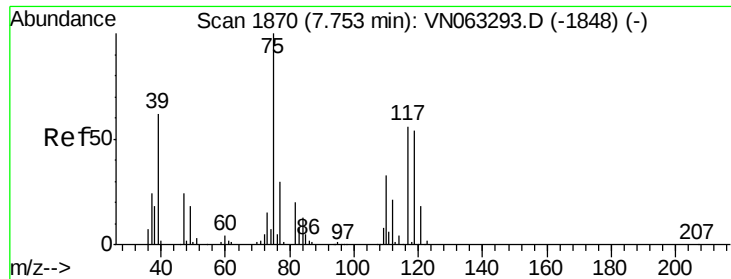


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

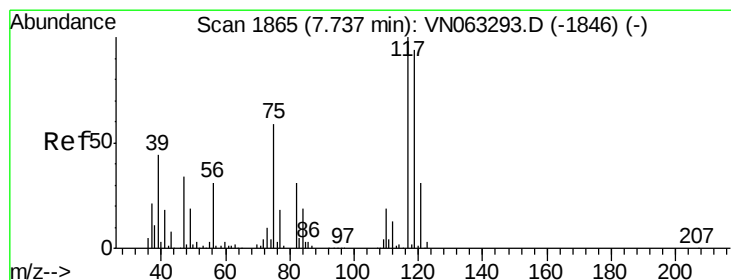
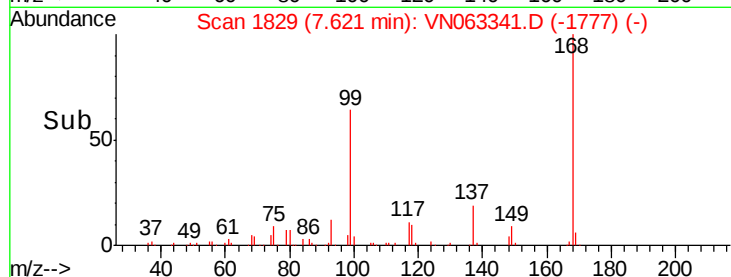
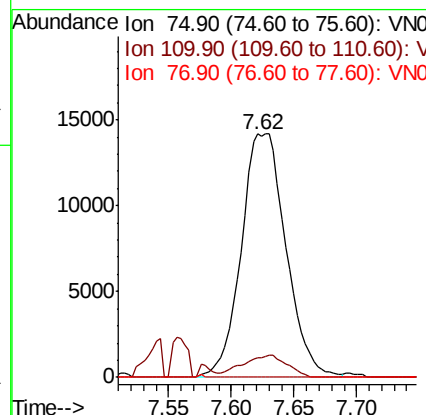
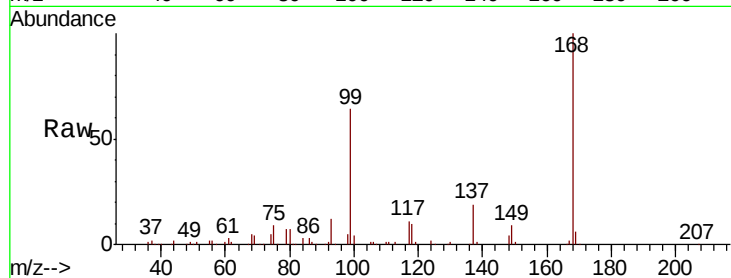




#36
 1,1-Dichloropropene
 Concen: 4.687 ug/l
 RT: 7.62 min Scan# 1829
 Delta R.T. -0.13 min
 Lab File: VN063341.D
 Acq: 14 Sep 2020 14:31

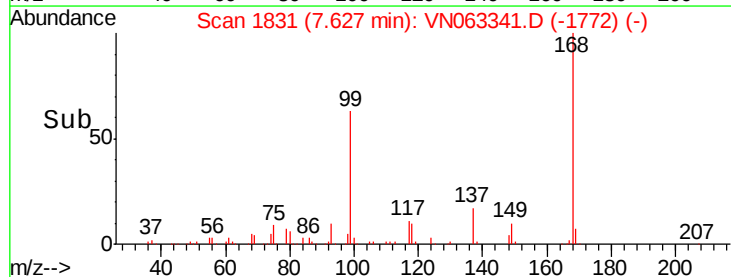
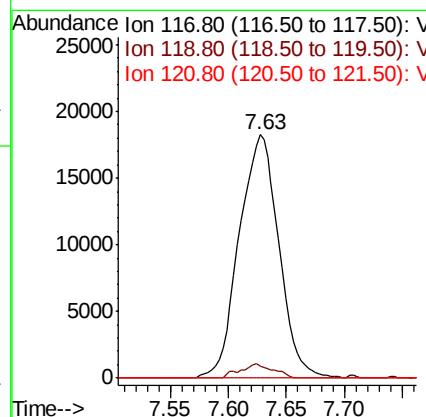
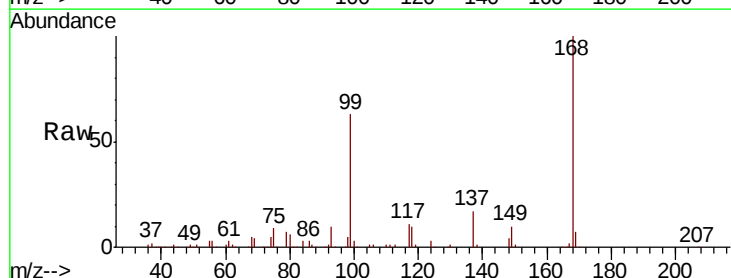
Instrument :
 MSVOA_N
 ClientSampleId :
 B18-0-2ME

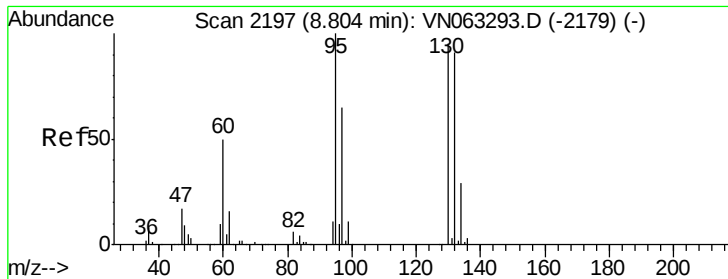
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.2	16.4	49.4#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 5.893 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN063341.D
 Acq: 14 Sep 2020 14:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	75.3	112.9#
121	0.0	24.6	37.0#

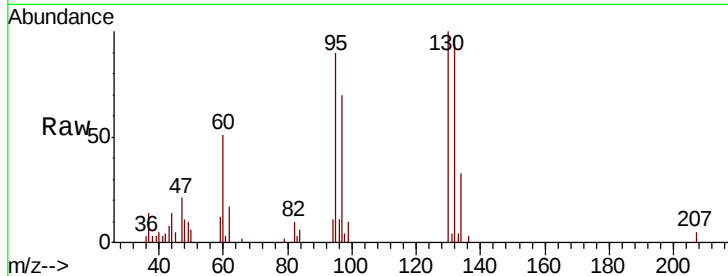




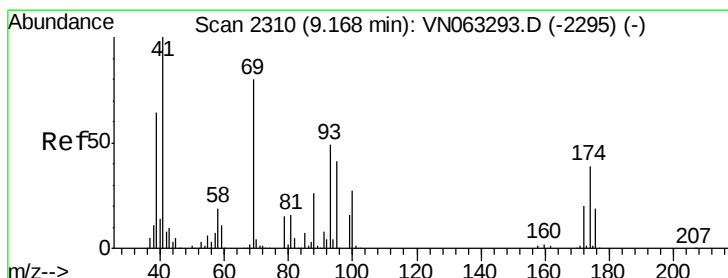
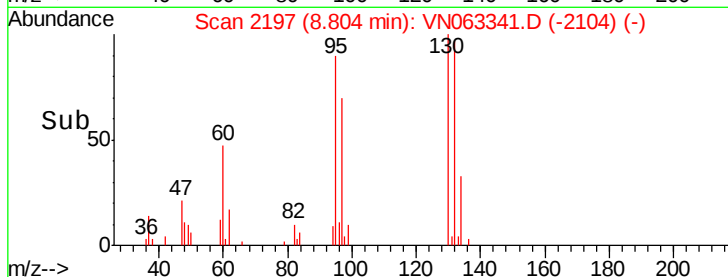
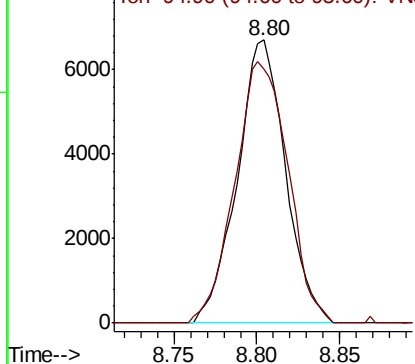
#44
 Trichloroethene
 Concen: 2.424 ug/l
 RT: 8.80 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VN063341.D
 Acq: 14 Sep 2020 14:31

Instrument :
 MSVOA_N
 ClientSampleId :
 B18-0-2ME

Tot Ion:130 Resp: 13562
 Ion Ratio Lower Upper
 130 100
 95 89.8 0.0 210.8

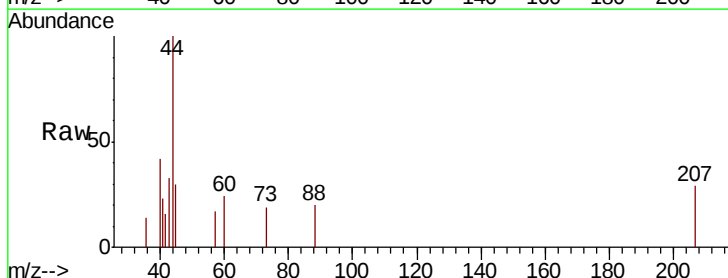


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VN

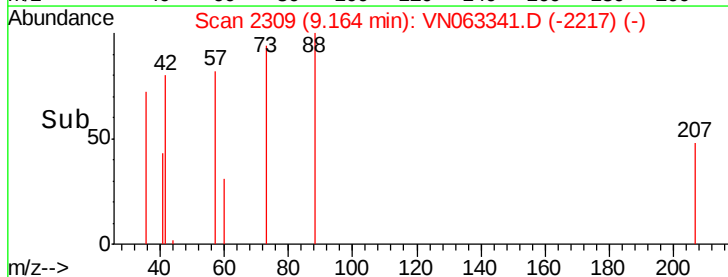
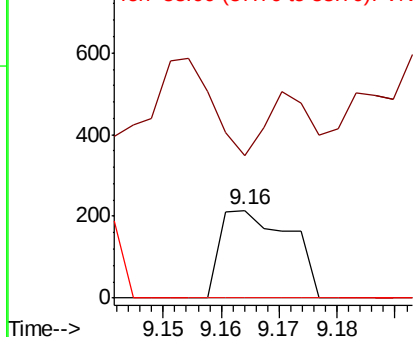


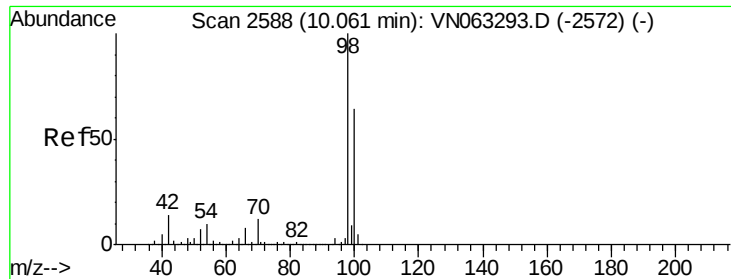
#49
 1,4-Dioxane
 Concen: 1.930 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN063341.D
 Acq: 14 Sep 2020 14:31

Tgt Ion: 88 Resp: 178
 Ion Ratio Lower Upper
 88 100
 43 49.4 30.5 45.7#
 58 0.0 58.9 88.3#



Abundance Ion 88.00 (87.70 to 88.70): VN
 Ion 43.00 (42.70 to 43.70): VN
 Ion 58.00 (57.70 to 58.70): VN





#50

Toluene-d8

Concen: 51.753 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. -0.00 min

Lab File: VN063341.D

Acq: 14 Sep 2020 14:31

Instrument :

MSVOA_N

ClientSampled :

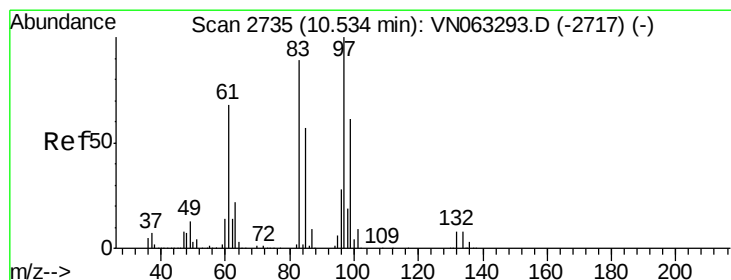
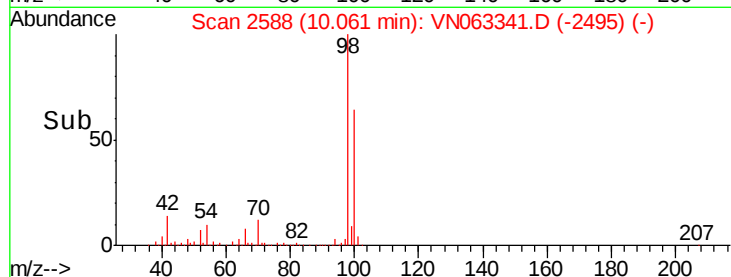
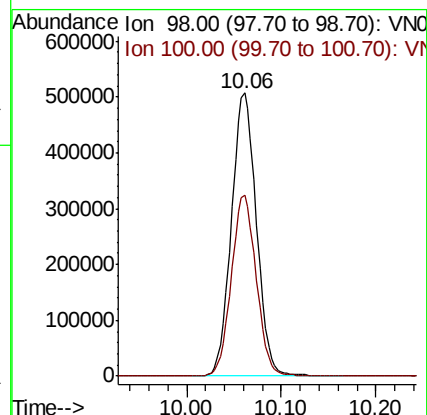
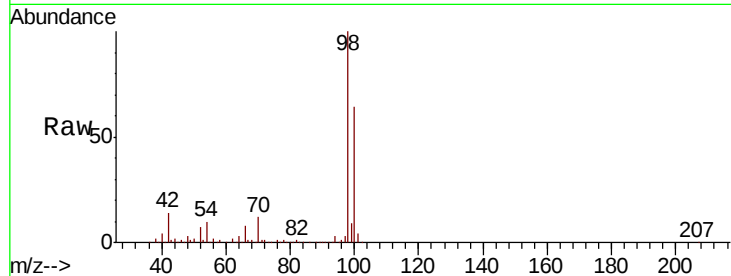
B18-0-2ME

Tot Ion: 98 Resp: 932529

Ion Ratio Lower Upper

98 100

100 63.8 50.7 76.1



#55

1,1,2-Trichloroethane

Concen: 0.979 ug/l

RT: 10.60 min Scan# 2755

Delta R.T. 0.06 min

Lab File: VN063341.D

Acq: 14 Sep 2020 14:31

Tgt Ion: 97 Resp: 5014

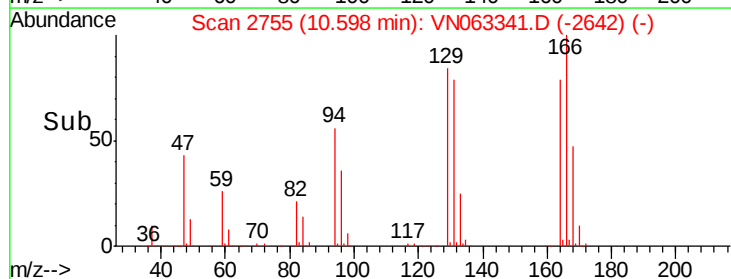
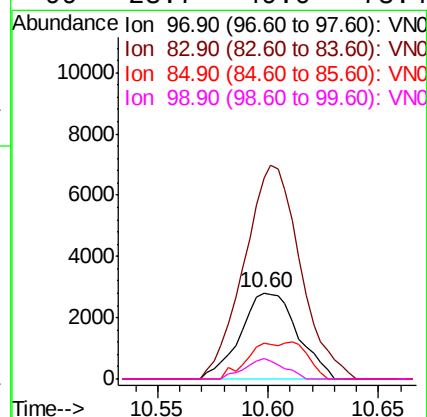
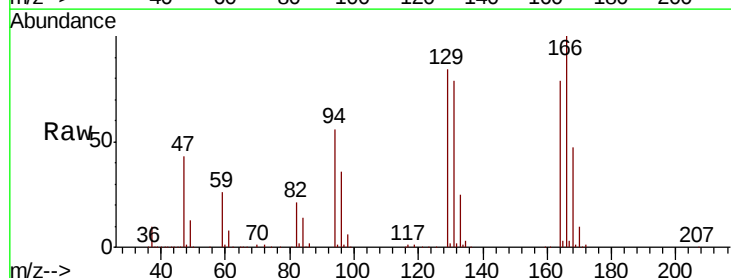
Ion Ratio Lower Upper

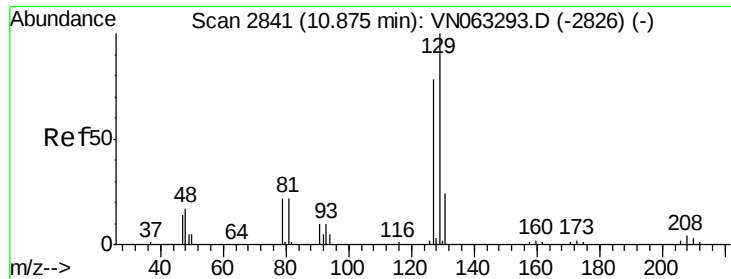
97 100

83 233.4 70.8 106.2#

85 41.5 45.6 68.4#

99 23.7 49.0 73.4#

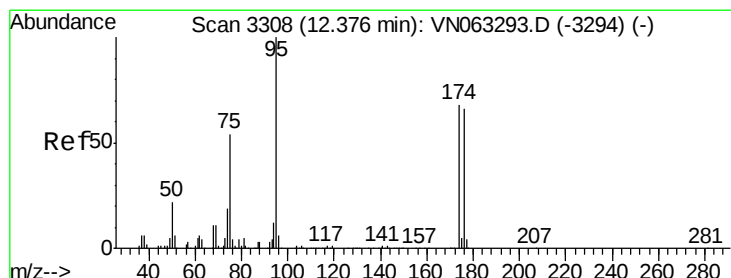
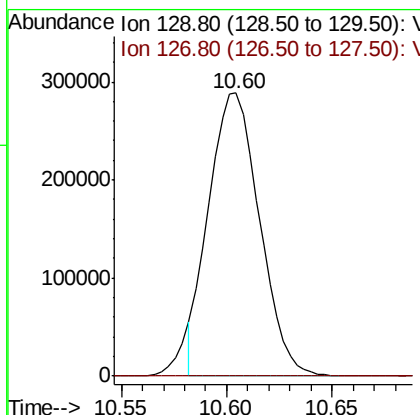
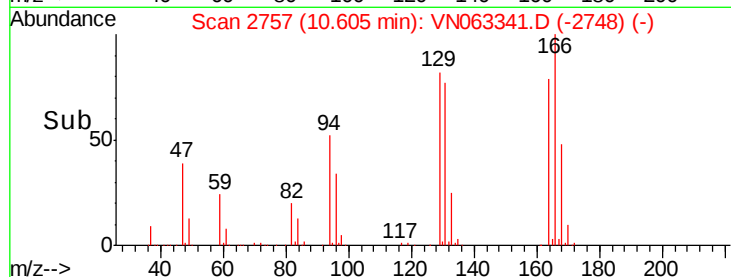
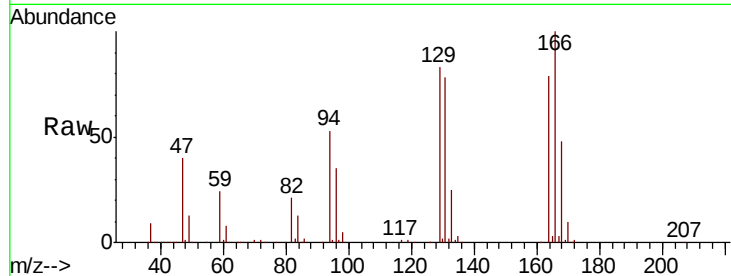




#60
Dibromochloromethane
Concen: 85.167 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. -0.27 min
Lab File: VN063341.D
Acq: 14 Sep 2020 14:31

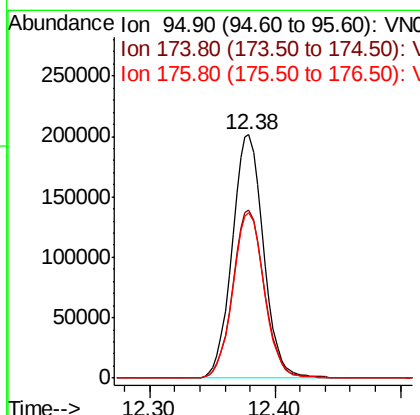
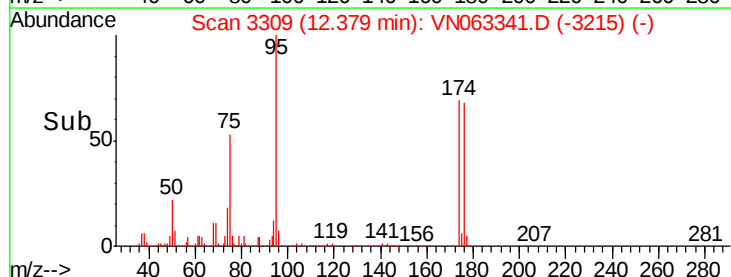
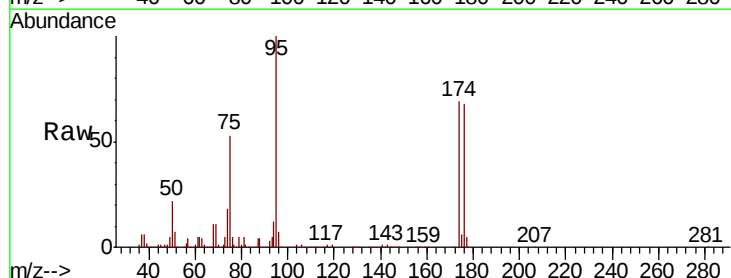
Instrument :
MSVOA_N
ClientSampleId :
B18-0-2ME

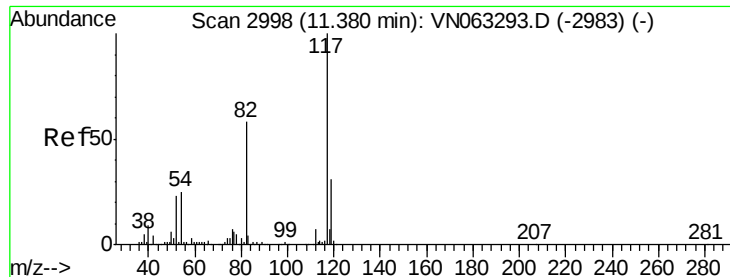
Tot Ion:129 Resp: 478768
Ion Ratio Lower Upper
129 100
127 0.1 39.0 117.0#



#62
4-Bromofluorobenzene
Concen: 52.470 ug/l
RT: 12.38 min Scan# 3309
Delta R.T. 0.00 min
Lab File: VN063341.D
Acq: 14 Sep 2020 14:31

Tgt Ion: 95 Resp: 349201
Ion Ratio Lower Upper
95 100
174 69.7 0.0 136.6
176 68.1 0.0 132.8

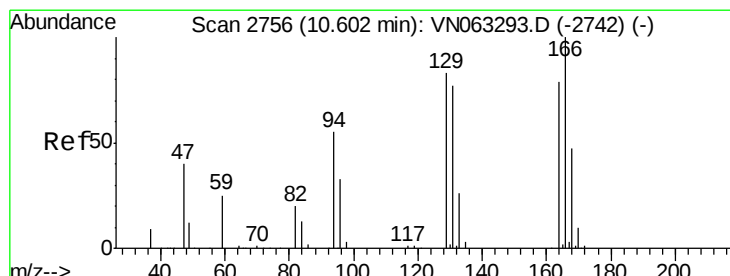
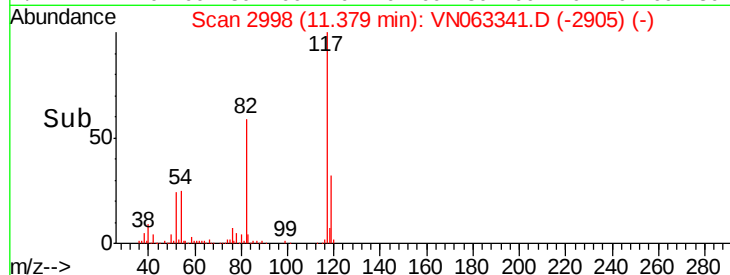
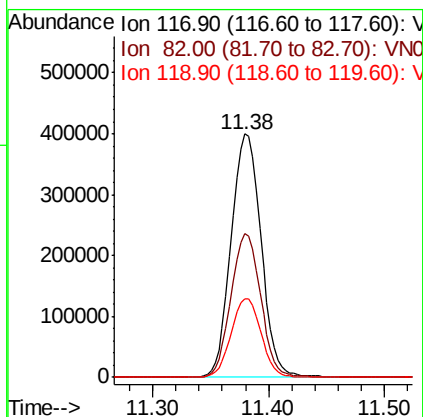
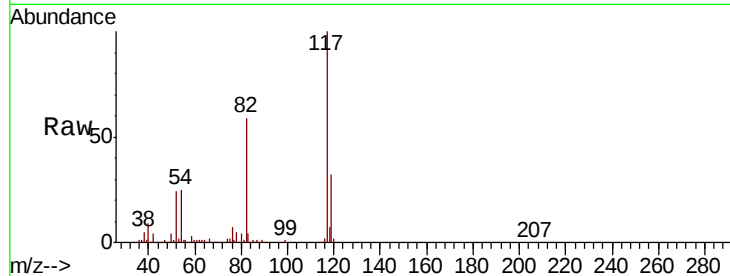




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063341.D
Acq: 14 Sep 2020 14:31

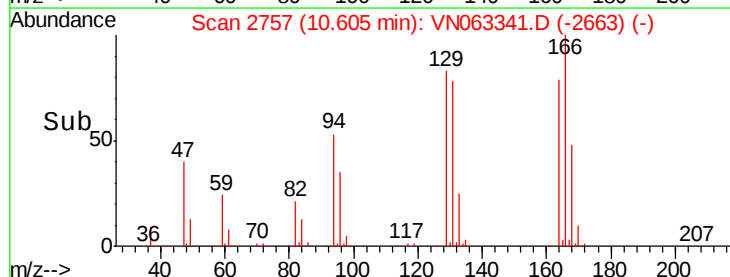
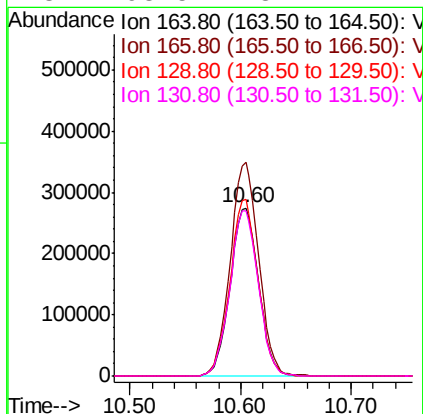
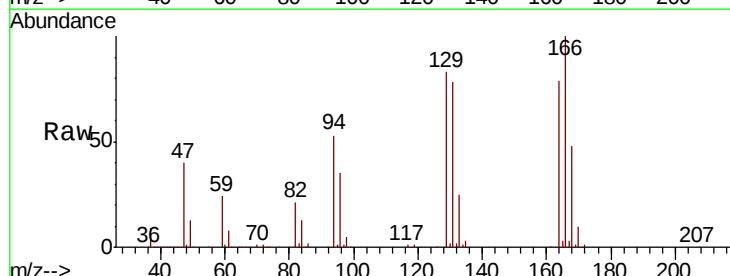
Instrument :
MSVOA_N
ClientSampled :
B18-0-2ME

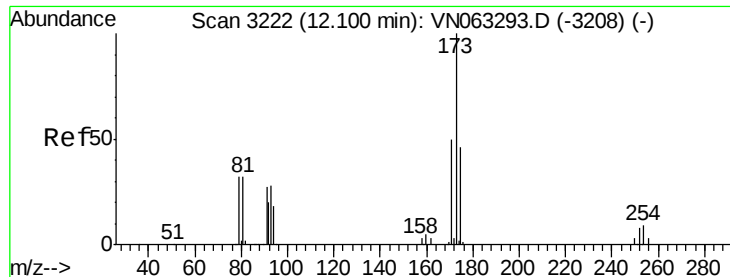
Tot Ion:117 Resp: 714902
Ion Ratio Lower Upper
117 100
82 59.1 46.4 69.6
119 32.4 24.8 37.2



#64
Tetrachloroethene
Concen: 83.753 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN063341.D
Acq: 14 Sep 2020 14:31

Tgt Ion:164 Resp: 490493
Ion Ratio Lower Upper
164 100
166 127.0 101.3 151.9
129 105.0 83.7 125.5
131 98.5 78.2 117.4





#71

Bromoform

Concen: 0.202 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.27 min

Lab File: VN063341.D

Acq: 14 Sep 2020 14:31

Instrument :

MSVOA_N

ClientSampleId :

B18-0-2ME

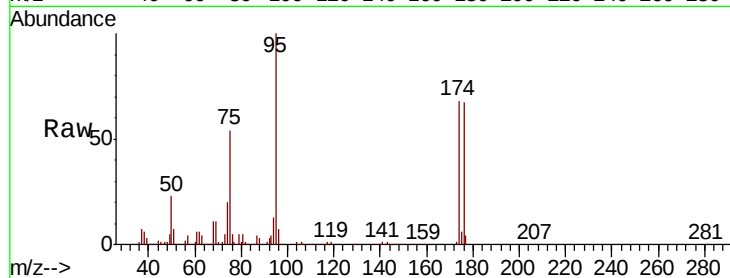
Tot Ion:173 Resp: 783

Ion Ratio Lower Upper

173 100

175 1920.3 23.8 71.5#

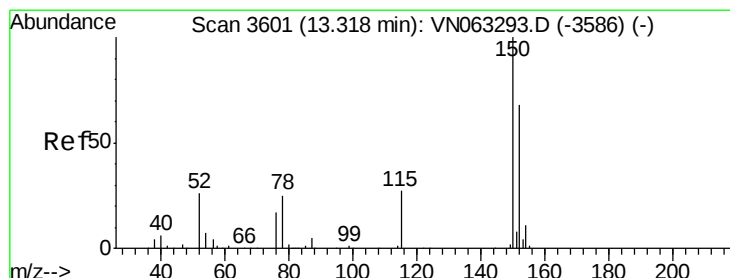
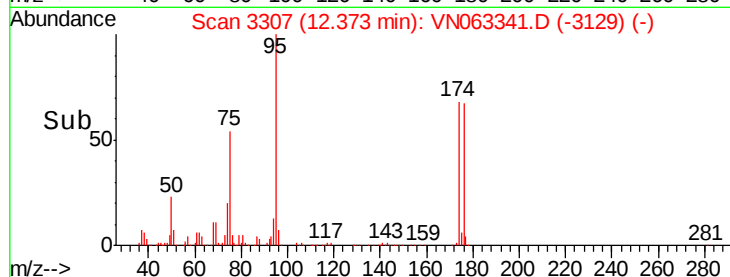
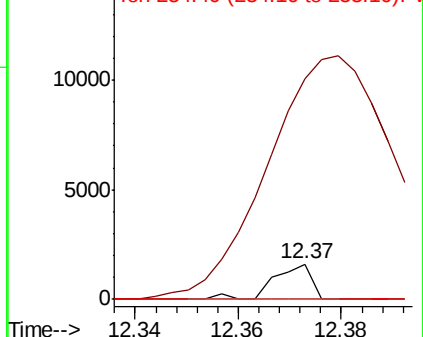
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063341.D

Acq: 14 Sep 2020 14:31

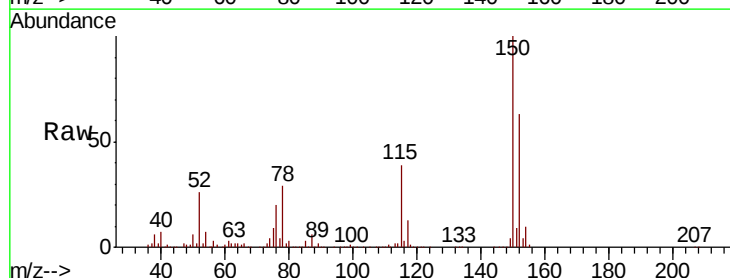
Tgt Ion:152 Resp: 296626

Ion Ratio Lower Upper

152 100

115 63.4 31.5 94.5

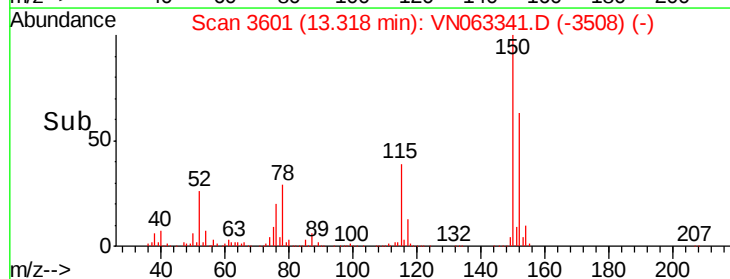
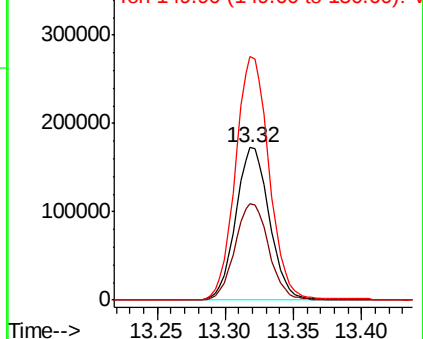
150 159.6 0.0 344.0

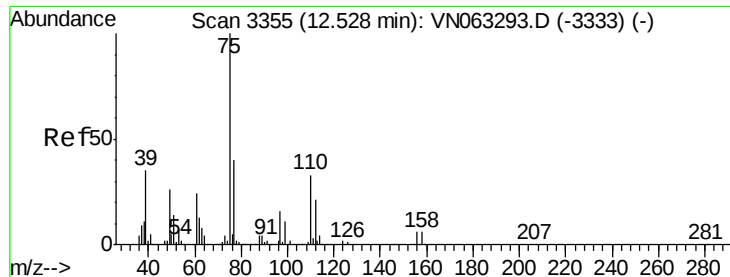


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 29.127 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. -0.15 min

Lab File: VN063341.D

Acq: 14 Sep 2020 14:31

Instrument :

MSVOA_N

ClientSampleId :

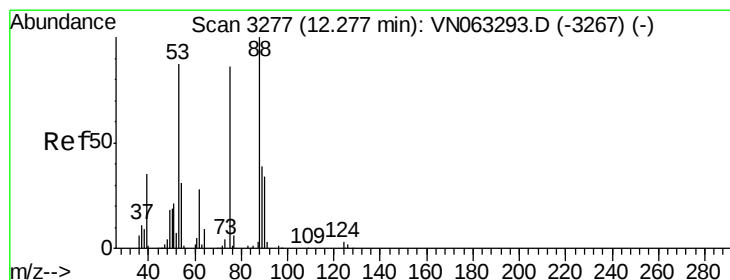
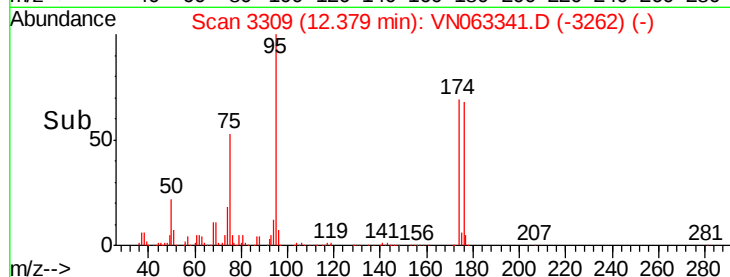
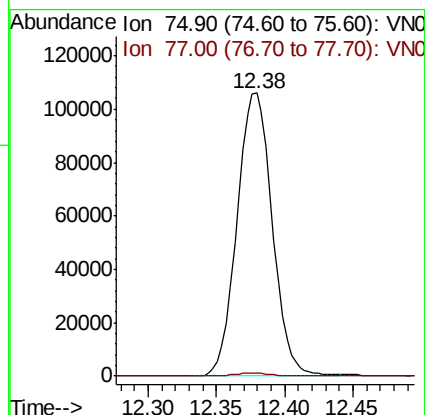
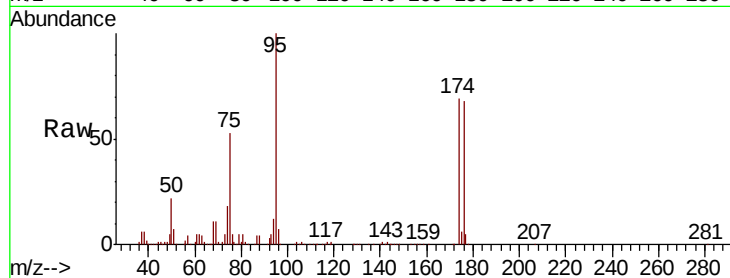
B18-0-2ME

Tot Ion: 75 Resp: 190609

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 78.259 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. 0.10 min

Lab File: VN063341.D

Acq: 14 Sep 2020 14:31

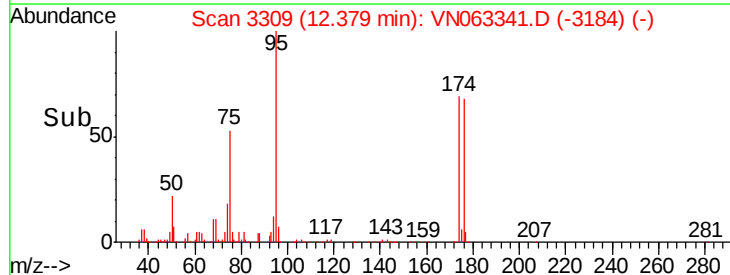
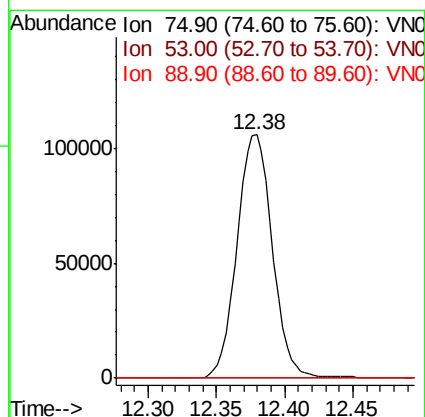
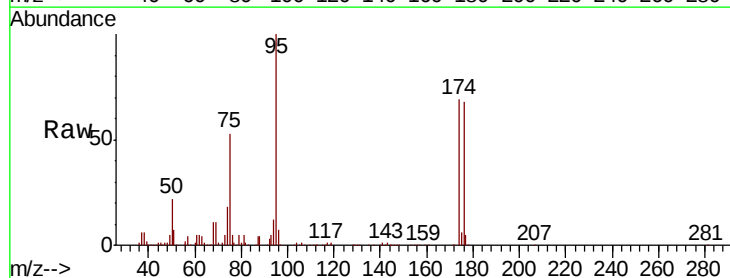
Tgt Ion: 75 Resp: 190609

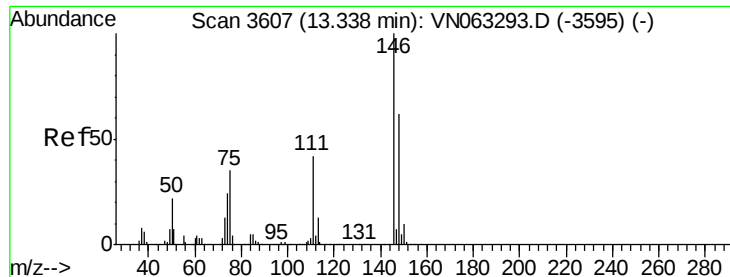
Ion Ratio Lower Upper

75 100

53 0.0 81.8 122.8#

89 0.0 36.7 55.1#

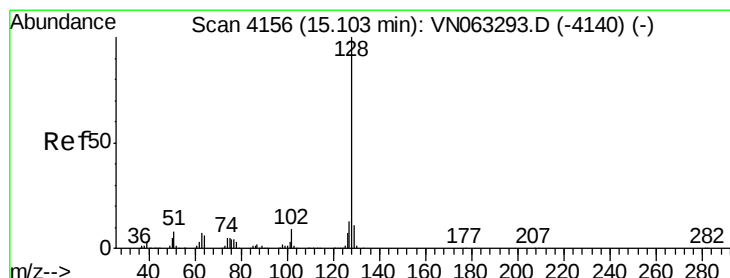
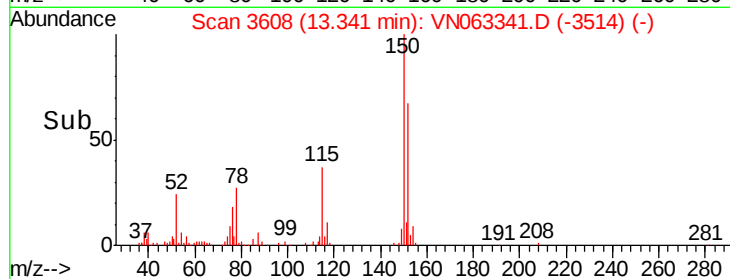
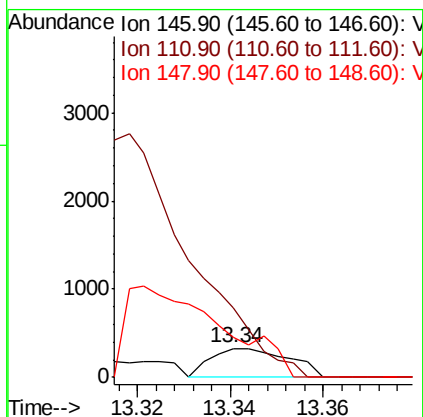
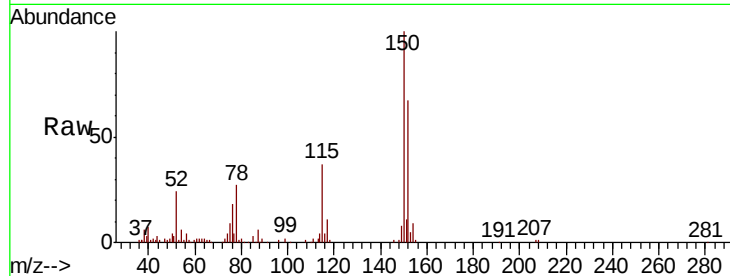




#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.34 min Scan# 3608
Delta R.T. 0.00 min
Lab File: VN063341.D
Acq: 14 Sep 2020 14:31

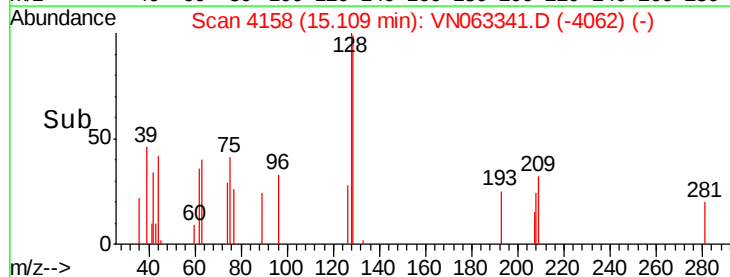
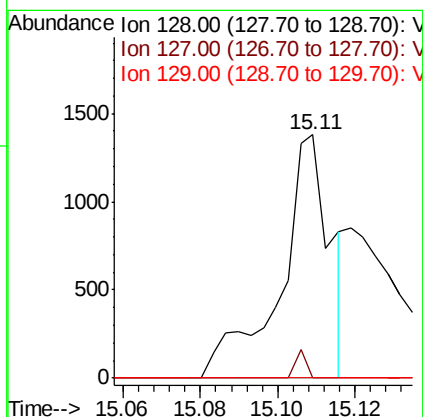
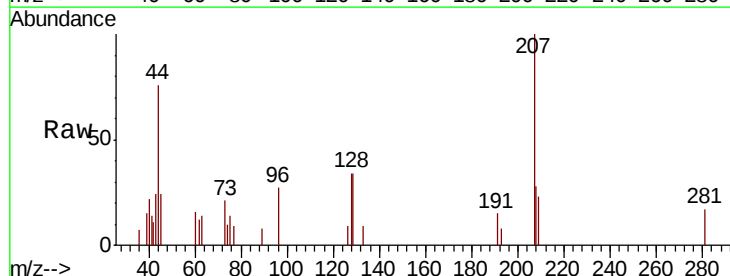
Instrument :
MSVOA_N
ClientSampleId :
B18-0-2ME

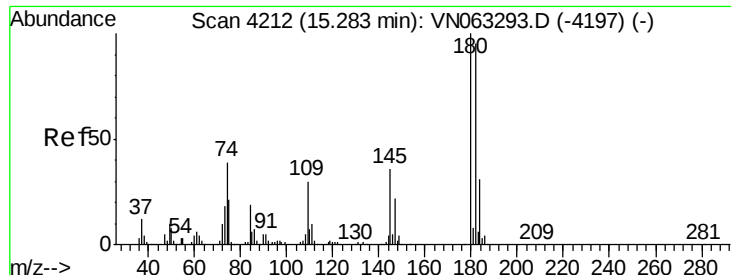
Tot Ion:146 Resp: 383
Ion Ratio Lower Upper
146 100
111 0.0 21.3 64.0#
148 0.0 31.5 94.5#



#95
Naphthalene
Concen: Below Cal
RT: 15.11 min Scan# 4158
Delta R.T. 0.01 min
Lab File: VN063341.D
Acq: 14 Sep 2020 14:31

Tgt Ion:128 Resp: 1242
Ion Ratio Lower Upper
128 100
127 2.5 10.3 15.5#
129 0.0 8.6 12.8#

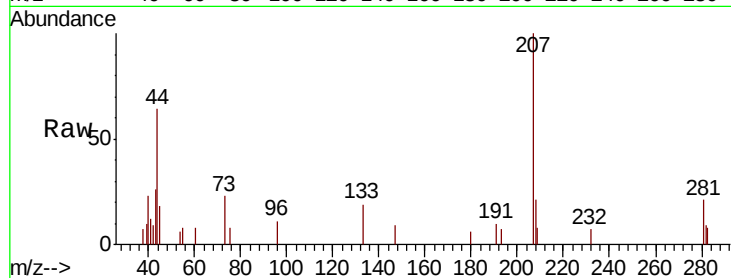




#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 15.29 min Scan# 4215
 Delta R.T. 0.01 min
 Lab File: VN063341.D
 Acq: 14 Sep 2020 14:31

Instrument :
 MSVOA_N
 ClientSampleId :
 B18-0-2ME

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.4	142.3#
145	0.0	17.2	51.6#



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

