

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091420\
 Data File : VN063338.D
 Acq On : 14 Sep 2020 13:19
 Operator : JC/MD
 Sample : L3981-01ME 100X
 Misc : 11.58g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 B17-0-2ME

Quant Time: Sep 15 05:09:31 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	415475	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	770869	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	754858	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	321661	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	315812	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	
35) Dibromofluoromethane	7.55	113	246082	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	
50) Toluene-d8	10.06	98	990108	51.95	ug/l	0.00
Spiked Amount			Recovery	=	103.90%	
62) 4-Bromofluorobenzene	12.38	95	377414	53.62	ug/l	0.00
Spiked Amount			Recovery	=	107.24%	

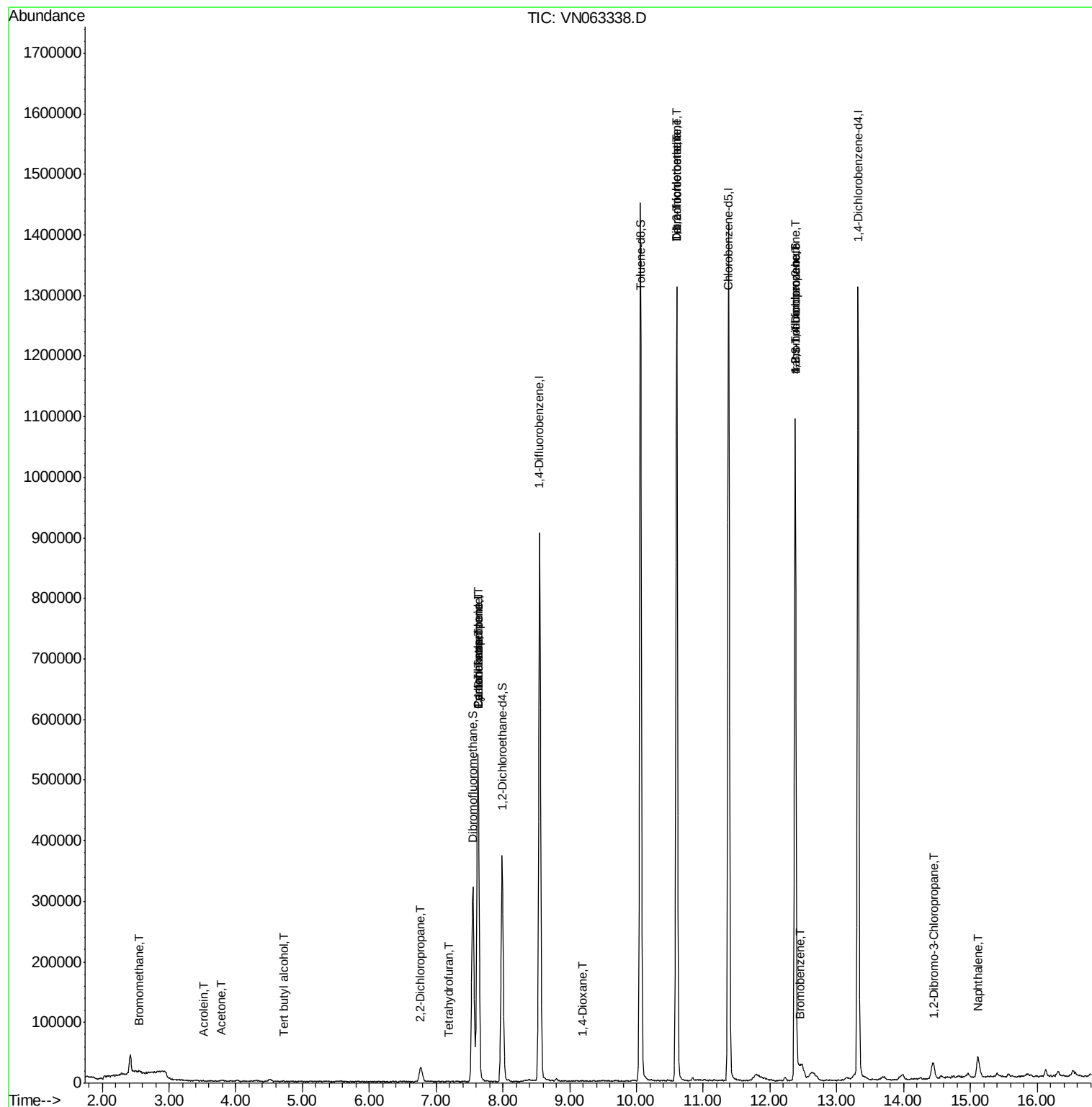
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	1871	Below Cal		96
5) Bromomethane	2.54	94	1096	0.278	ug/l #	43
11) Tert butyl alcohol	4.72	59	296	0.343	ug/l #	72
13) Acrolein	3.52	56	61	32.571	ug/l #	60
16) Acetone	3.78	43	631	0.280	ug/l #	70
17) Carbon Disulfide	4.02	76	953	Below Cal	#	44
20) Methylene Chloride	4.50	84	944	Below Cal	#	71
26) 2,2-Dichloropropane	6.77	77	1779	0.204	ug/l #	54
29) Tetrahydrofuran	7.17	42	487	0.225	ug/l #	42
31) Cyclohexane	7.63	56	11243	1.228	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	36929	4.661	ug/l #	51
38) Carbon Tetrachloride	7.62	117	44530	5.710	ug/l #	16
49) 1,4-Dioxane	9.18	88	33	0.338	ug/l #	1
55) 1,1,2-Trichloroethane	10.60	97	3361	0.621	ug/l #	17
60) Dibromochloromethane	10.60	129	268975	45.239	ug/l #	10
64) Tetrachloroethene	10.60	164	277841	44.931	ug/l	99
76) 1,2,3-Trichloropropane	12.38	75	206882	29.153	ug/l #	100
77) Bromobenzene	12.45	156	19013	3.188	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.38	75	206882	78.330	ug/l #	9
88) 1,4-Dichlorobenzene	13.33	146	610	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropropan	14.44	75	2158	1.277	ug/l #	34
95) Naphthalene	15.11	128	17019	0.372	ug/l	95
96) 1,2,3-Trichlorobenzene	15.30	180	212	Below Cal	#	62

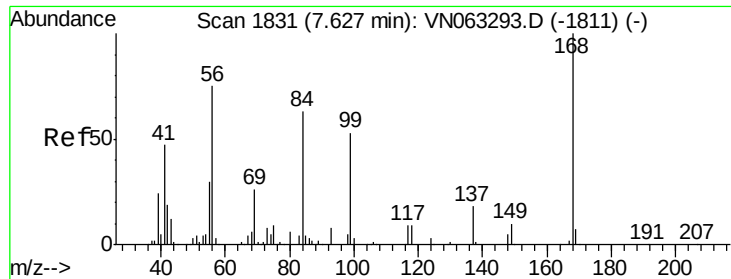
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091420\
Data File : VN063338.D
Acq On : 14 Sep 2020 13:19
Operator : JC/MD
Sample : L3981-01ME 100X
Misc : 11.58g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B17-0-2ME

Quant Time: Sep 15 05:09:31 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091020W.M
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: VN063338.D

Acq: 14 Sep 2020 13:19

Instrument :

MSVOA_N

ClientSampleId :

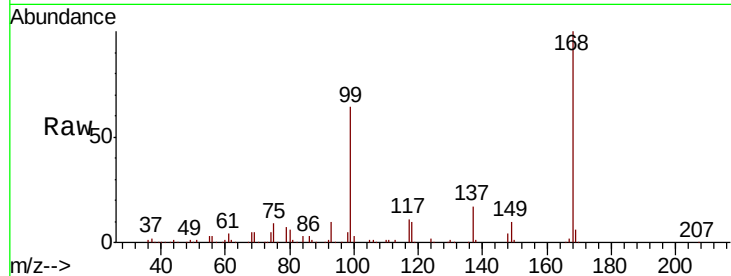
B17-0-2ME

Tot Ion:168 Resp: 415475

Ion Ratio Lower Upper

168 100

99 63.5 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): VN063338.D (-1738) (-)

Ion 98.90 (98.60 to 99.60): VN063338.D (-1738) (-)

7.63

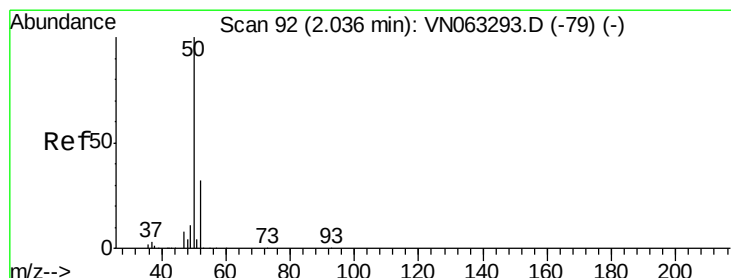
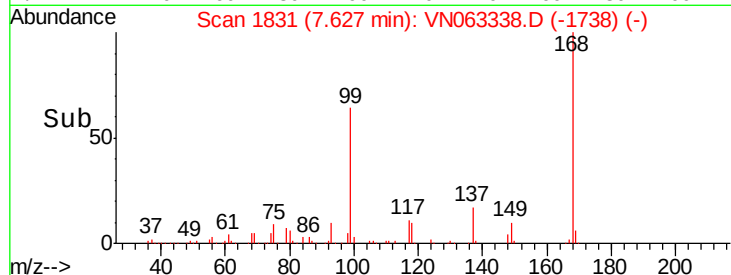
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 91

Delta R.T. -0.00 min

Lab File: VN063338.D

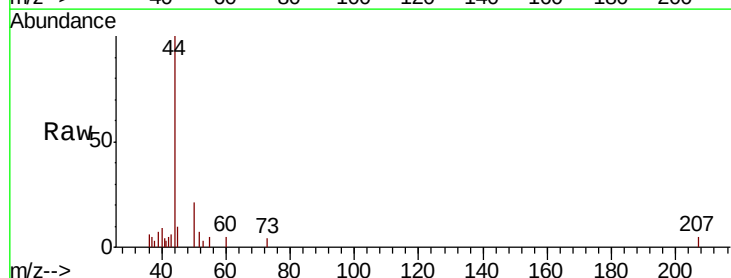
Acq: 14 Sep 2020 13:19

Tgt Ion: 50 Resp: 1871

Ion Ratio Lower Upper

50 100

52 34.3 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VN063338.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN063338.D (-1) (-)

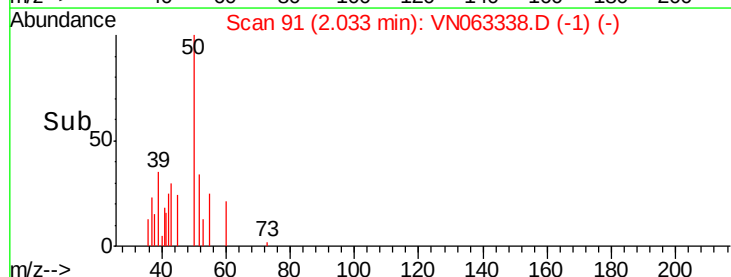
2.03

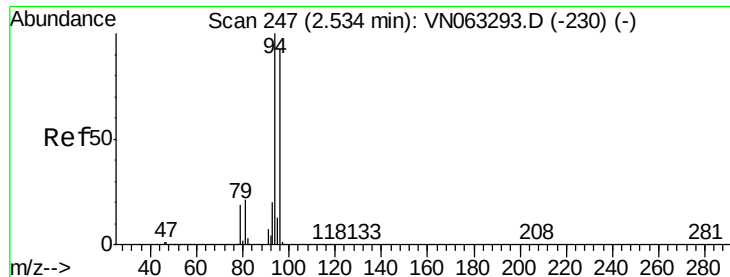
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.278 ug/l

RT: 2.54 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN063338.D

Acq: 14 Sep 2020 13:19

Instrument :

MSVOA_N

ClientSampleId :

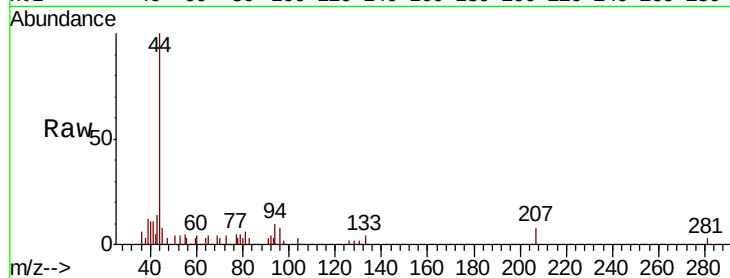
B17-0-2ME

Tot Ion: 94 Resp: 1096

Ion Ratio Lower Upper

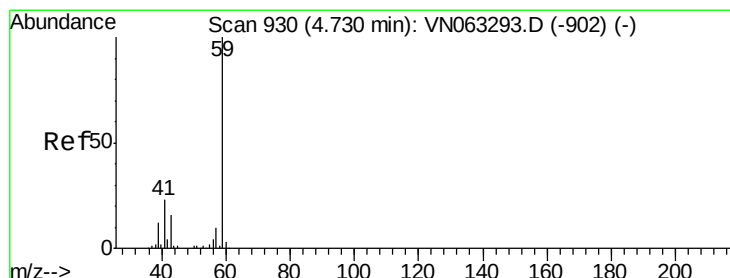
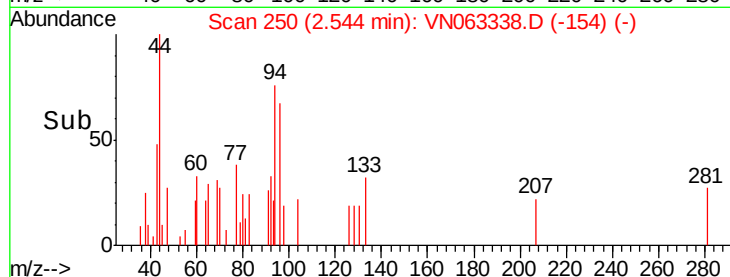
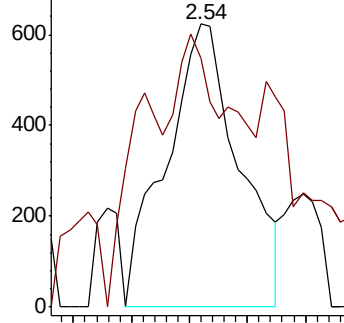
94 100

96 38.7 74.3 111.5#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#11

Tert butyl alcohol

Concen: 0.343 ug/l

RT: 4.72 min Scan# 927

Delta R.T. -0.01 min

Lab File: VN063338.D

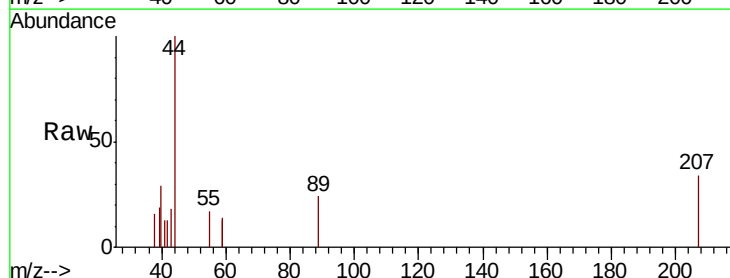
Acq: 14 Sep 2020 13:19

Tgt Ion: 59 Resp: 296

Ion Ratio Lower Upper

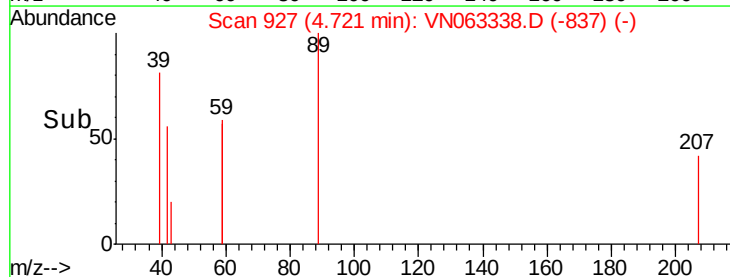
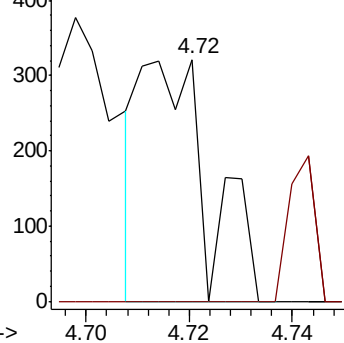
59 100

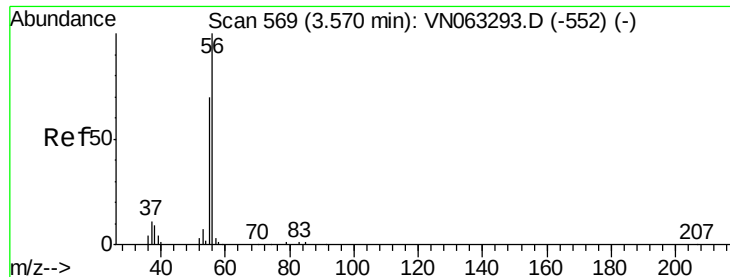
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#13

Acrolein

Concen: 32.571 ug/l

RT: 3.52 min Scan# 555

Delta R.T. -0.04 min

Lab File: VN063338.D

Acq: 14 Sep 2020 13:19

Instrument :

MSVOA_N

ClientSampled :

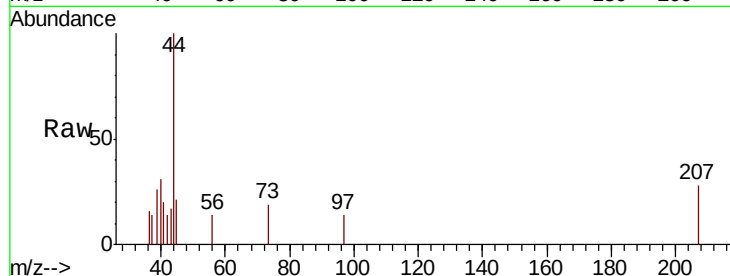
B17-0-2ME

Tot Ion: 56 Resp: 61

Ion Ratio Lower Upper

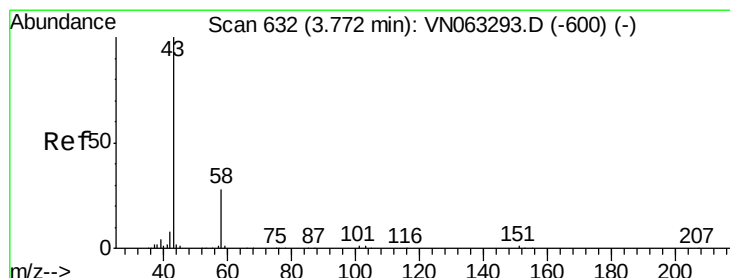
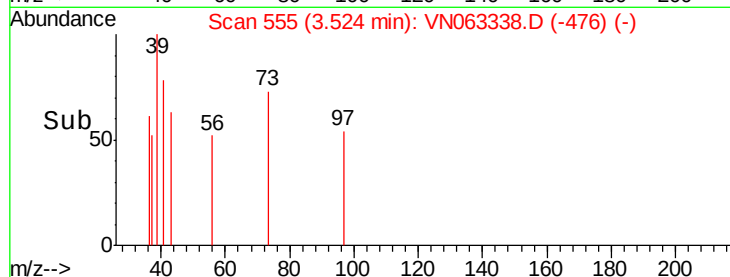
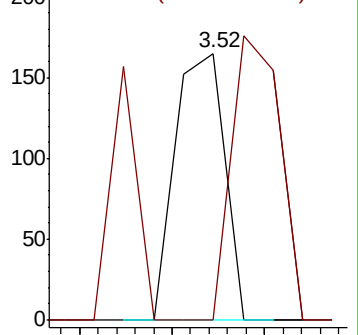
56 100

55 104.9 57.2 85.8#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 0.280 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN063338.D

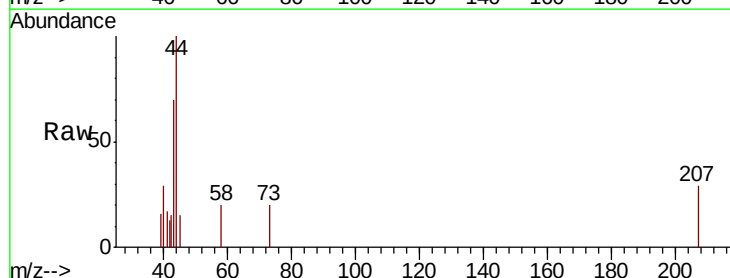
Acq: 14 Sep 2020 13:19

Tgt Ion: 43 Resp: 631

Ion Ratio Lower Upper

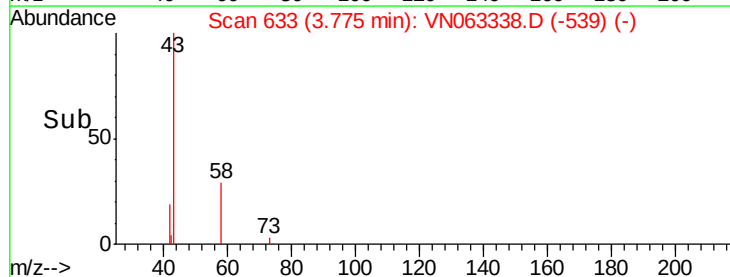
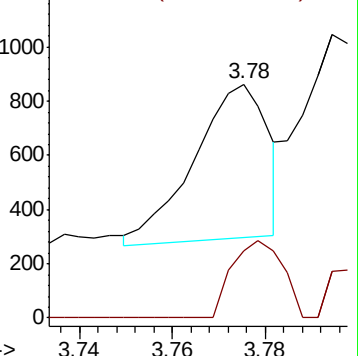
43 100

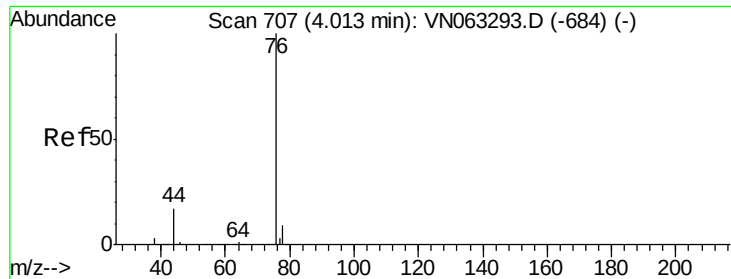
58 44.4 22.6 34.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

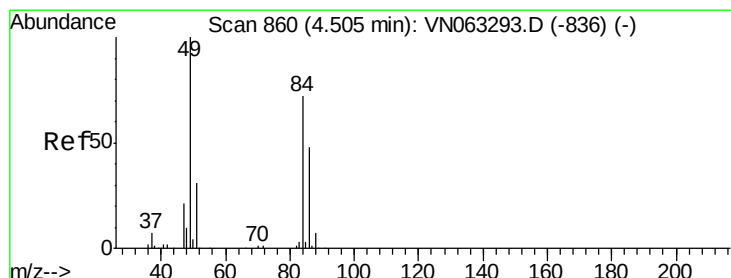
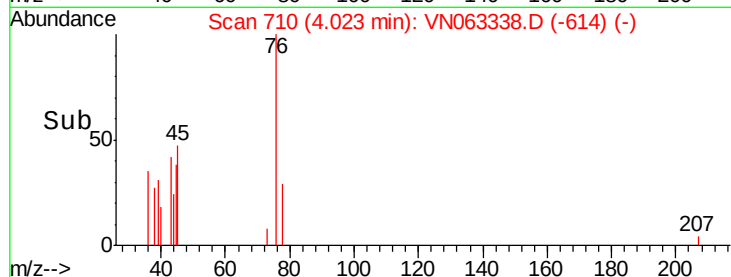
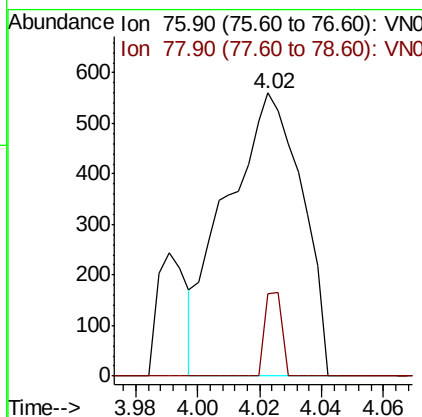
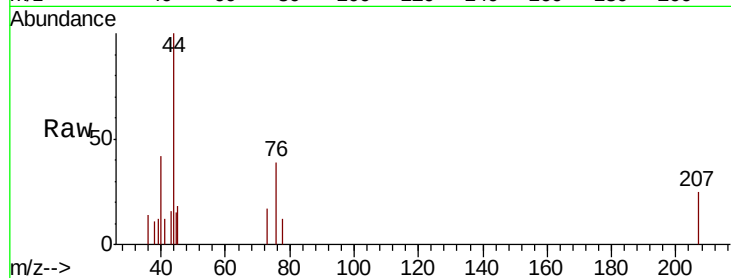




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.02 min Scan# 710
Delta R.T. 0.01 min
Lab File: VN063338.D
Acq: 14 Sep 2020 13:19

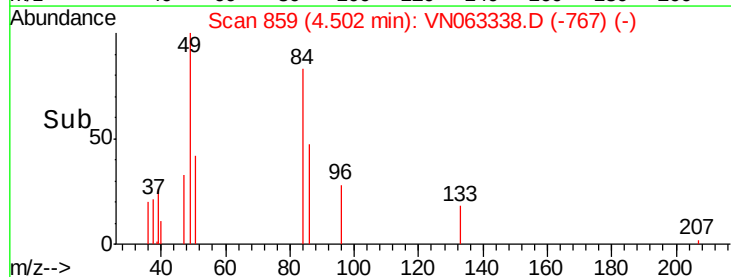
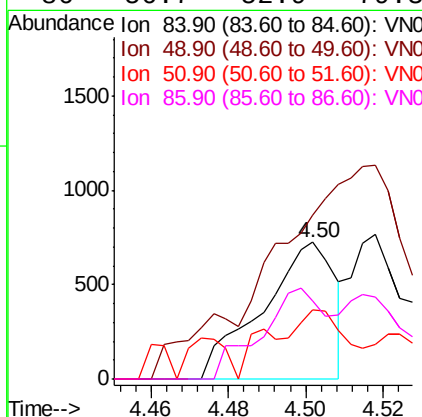
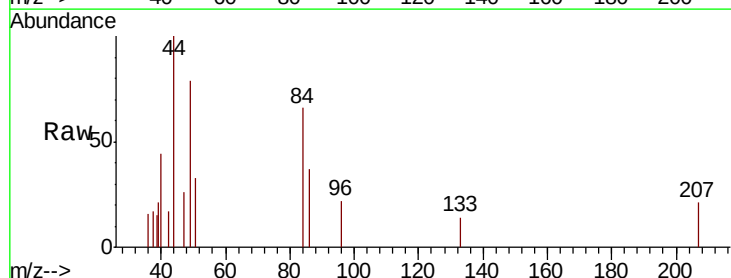
Instrument :
MSVOA_N
ClientSampled :
B17-0-2ME

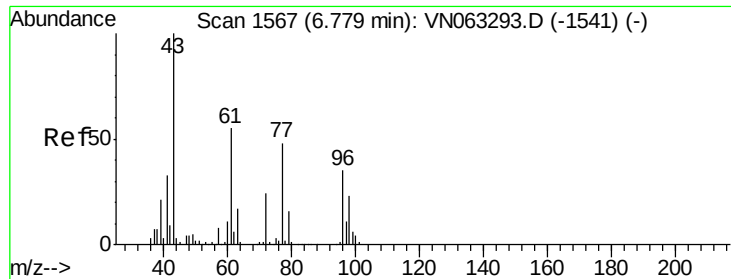
Tot Ion: 76 Resp: 953
Ion Ratio Lower Upper
76 100
78 29.3 7.2 10.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063338.D
Acq: 14 Sep 2020 13:19

Tgt Ion: 84 Resp: 944
Ion Ratio Lower Upper
84 100
49 92.0 111.1 166.7#
51 27.9 34.3 51.5#
86 56.7 52.9 79.3

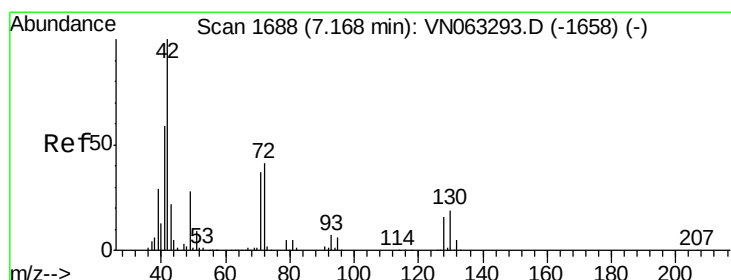
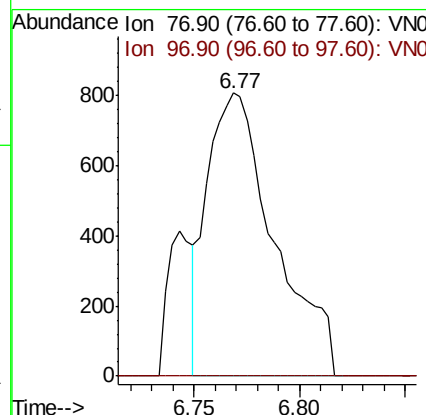
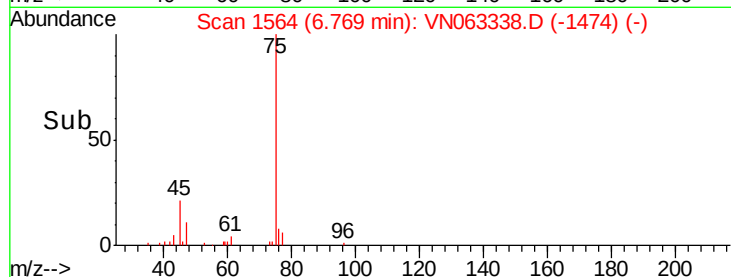
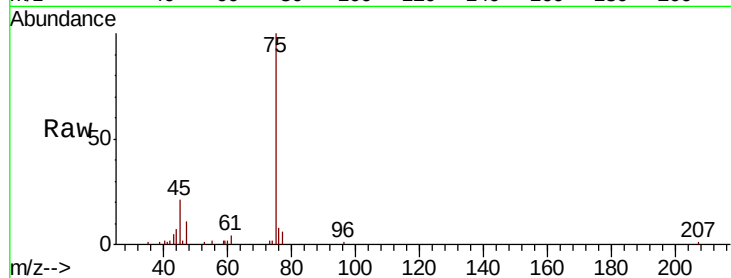




#26
 2,2-Dichloropropane
 Concen: 0.204 ug/l
 RT: 6.77 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: VN063338.D
 Acq: 14 Sep 2020 13:19

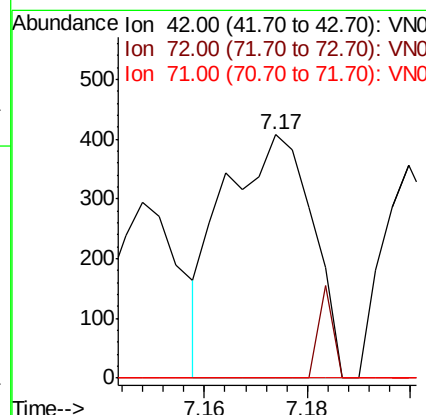
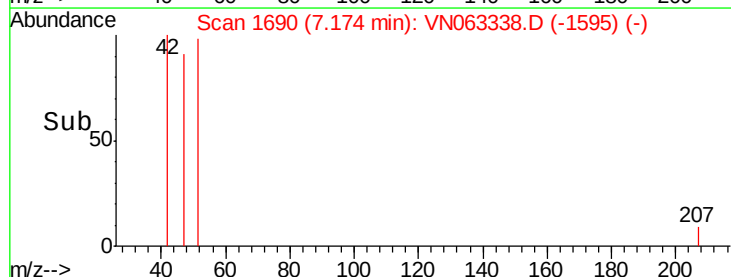
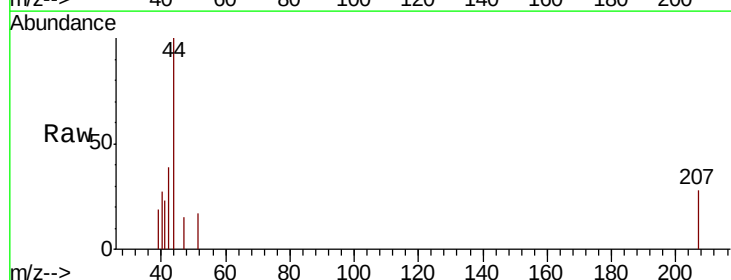
Instrument :
 MSVOA_N
 ClientSampleId :
 B17-0-2ME

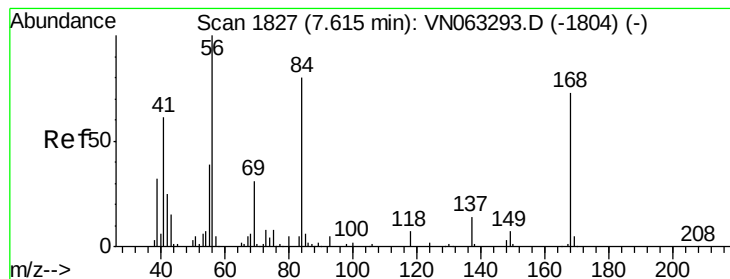
Tot Ion: 77 Resp: 1779
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.9 32.6#



#29
 Tetrahydrofuran
 Concen: 0.225 ug/l
 RT: 7.17 min Scan# 1690
 Delta R.T. 0.01 min
 Lab File: VN063338.D
 Acq: 14 Sep 2020 13:19

Tgt Ion: 42 Resp: 487
 Ion Ratio Lower Upper
 42 100
 72 6.2 31.4 47.2#
 71 0.0 30.0 45.0#





#31

Cyclohexane

Concen: 1.228 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN063338.D

Acq: 14 Sep 2020 13:19

Instrument :

MSVOA_N

ClientSampled :

B17-0-2ME

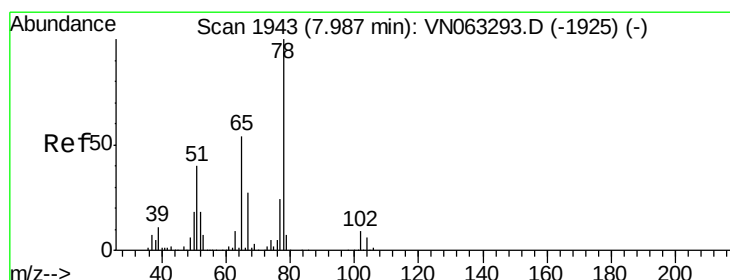
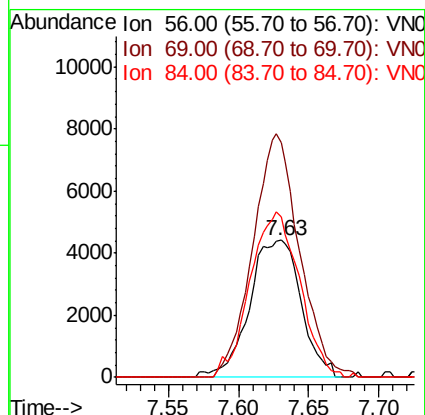
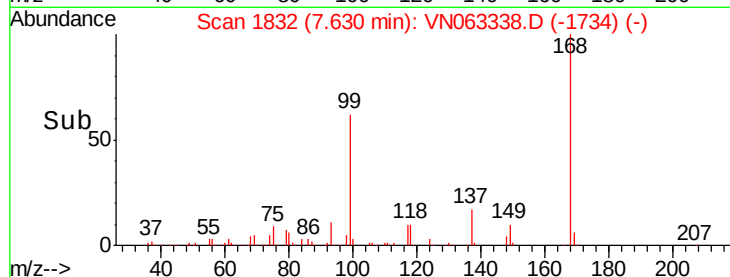
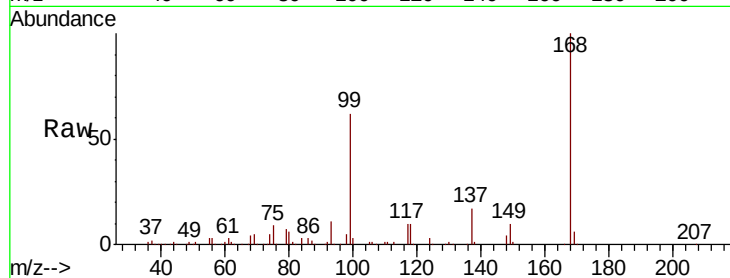
Tot Ion: 56 Resp: 11243

Ion Ratio Lower Upper

56 100

69 171.8 25.1 37.7#

84 116.9 64.2 96.2#



#33

1,2-Dichloroethane-d4

Concen: 48.380 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN063338.D

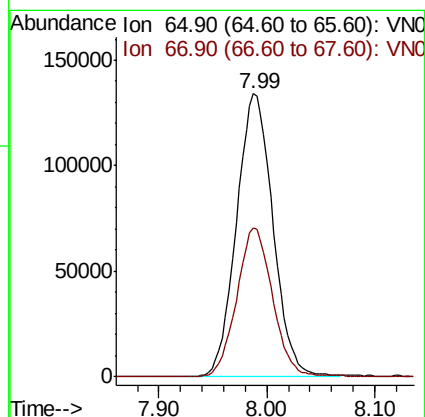
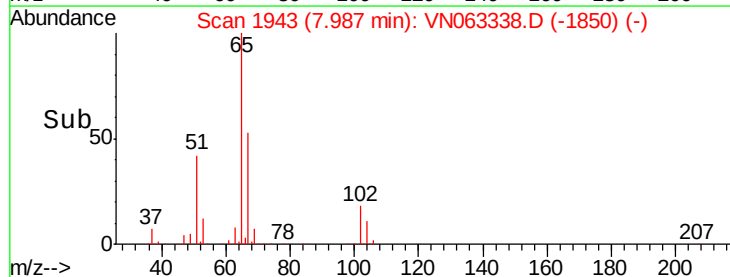
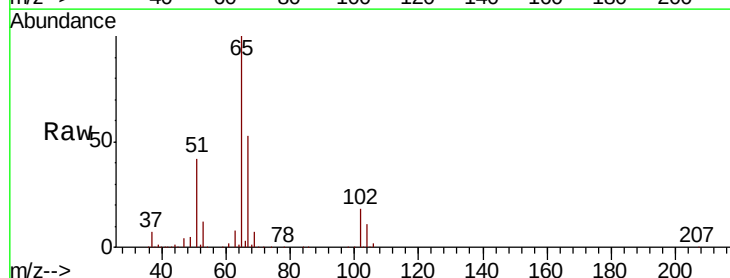
Acq: 14 Sep 2020 13:19

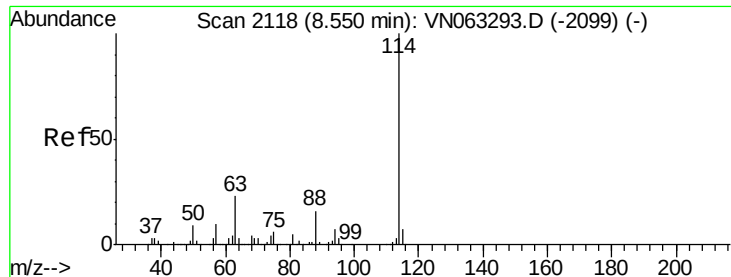
Tgt Ion: 65 Resp: 315812

Ion Ratio Lower Upper

65 100

67 51.5 0.0 104.6

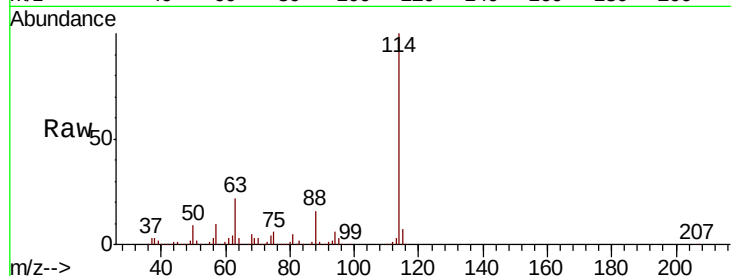




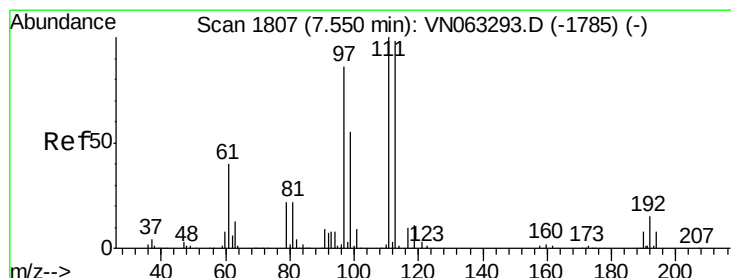
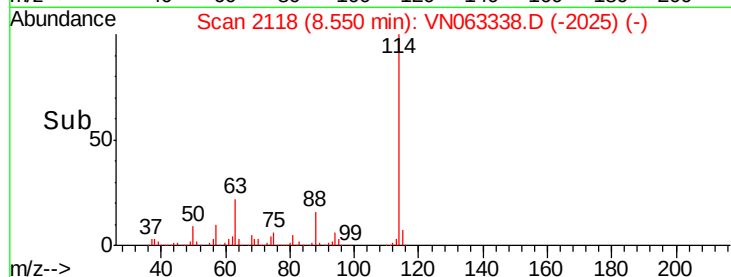
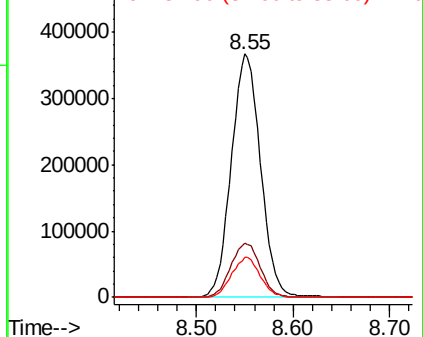
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063338.D
 Acq: 14 Sep 2020 13:19

Instrument :
 MSVOA_N
 ClientSampleId :
 B17-0-2ME

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	46.0
88	16.3	0.0	32.8

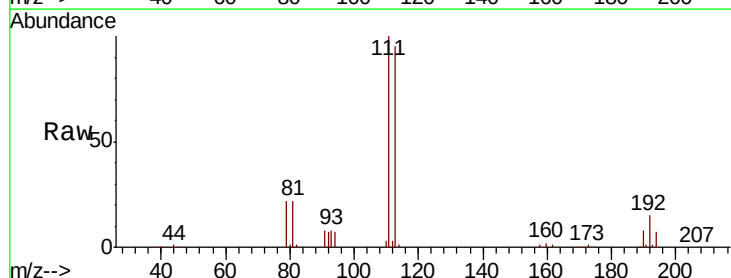


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

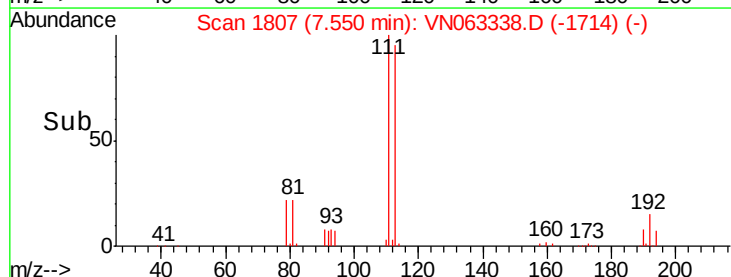
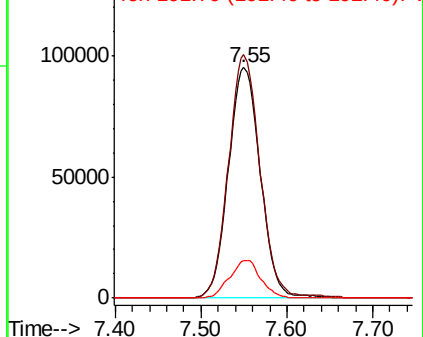


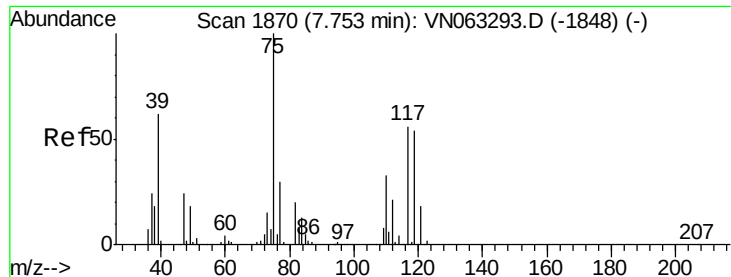
#35
 Dibromofluoromethane
 Concen: 49.483 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VN063338.D
 Acq: 14 Sep 2020 13:19

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.2	123.2
192	15.9	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

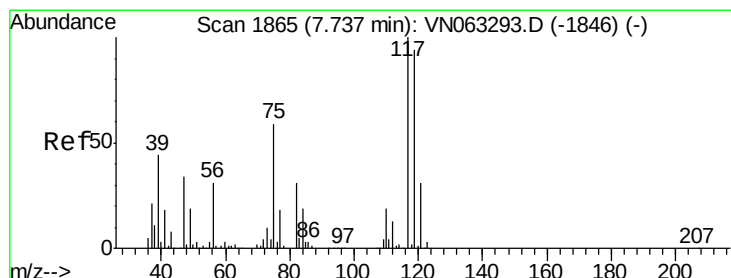
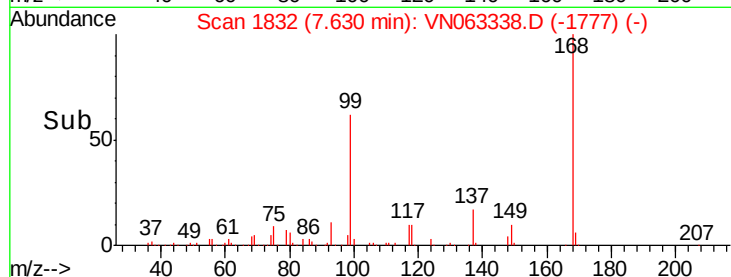
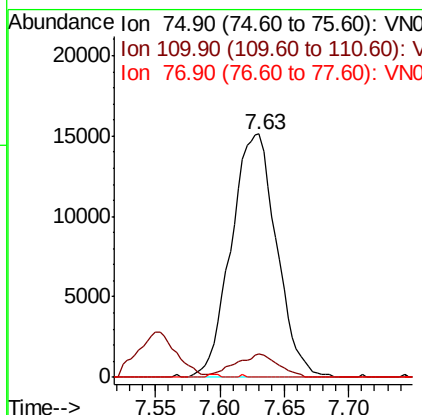
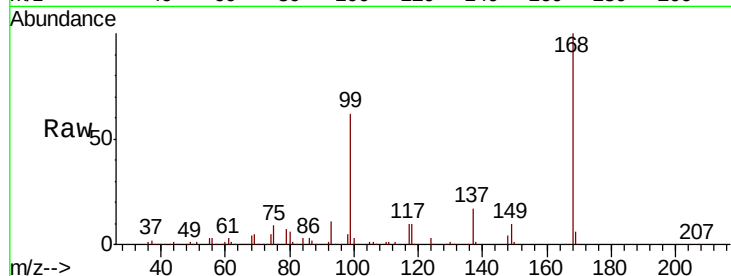




#36
 1,1-Dichloropropene
 Concen: 4.661 ug/l
 RT: 7.63 min Scan# 1832
 Delta R.T. -0.12 min
 Lab File: VN063338.D
 Acq: 14 Sep 2020 13:19

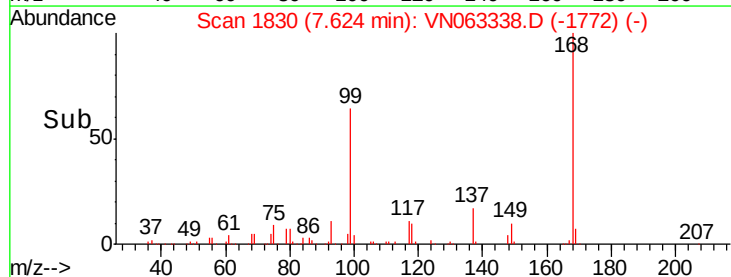
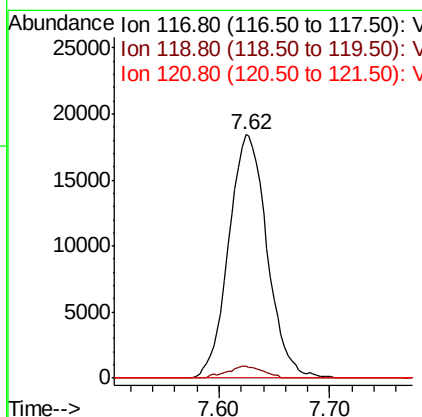
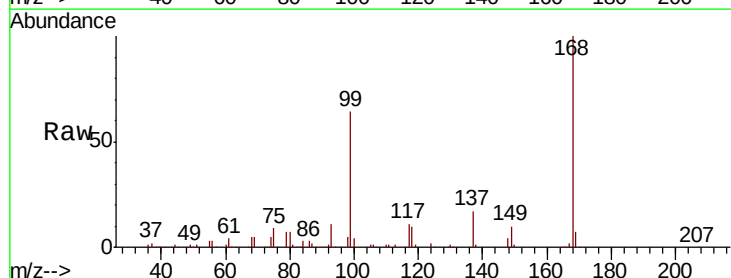
Instrument :
 MSVOA_N
 ClientSampleId :
 B17-0-2ME

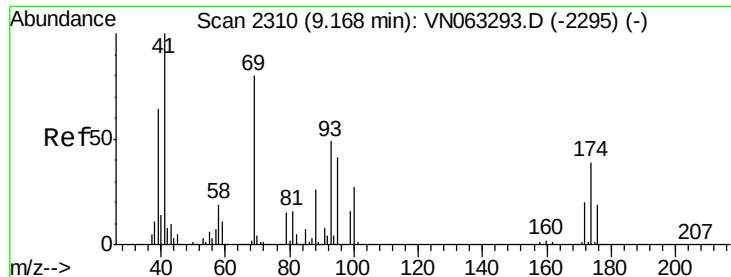
Tot Ion: 75 Resp: 36929
 Ion Ratio Lower Upper
 75 100
 110 9.2 16.4 49.4#
 77 0.1 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 5.710 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.11 min
 Lab File: VN063338.D
 Acq: 14 Sep 2020 13:19

Tgt Ion: 117 Resp: 44530
 Ion Ratio Lower Upper
 117 100
 119 4.8 75.3 112.9#
 121 0.0 24.6 37.0#

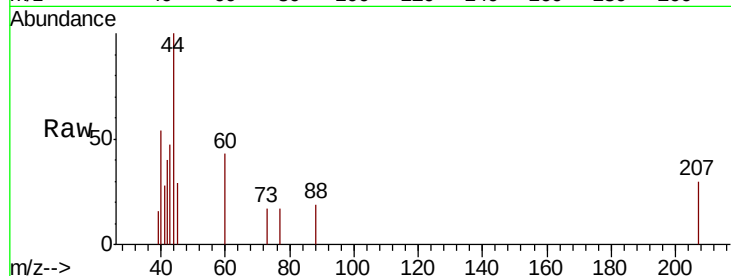




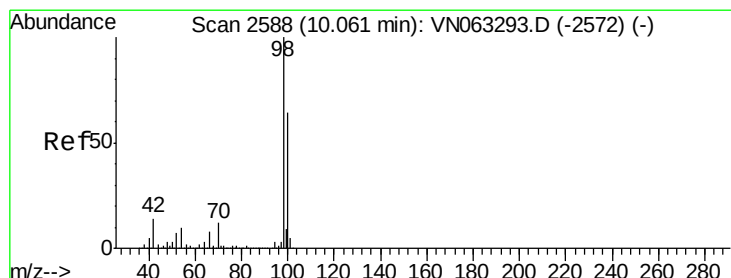
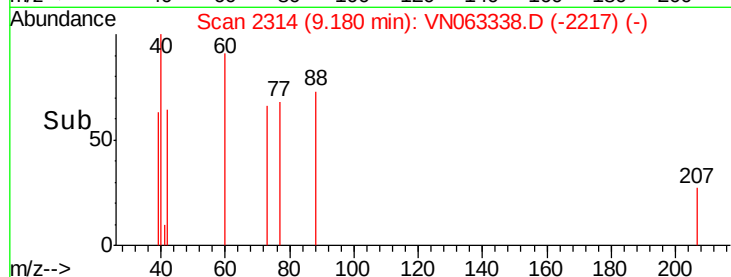
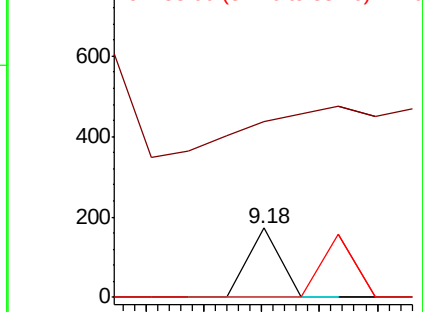
#49
1,4-Dioxane
Concen: 0.338 ug/l
RT: 9.18 min Scan# 2314
Delta R.T. 0.01 min
Lab File: VN063338.D
Acq: 14 Sep 2020 13:19

Instrument :
MSVOA_N
ClientSampleId :
B17-0-2ME

Tot Ion: 88 Resp: 33
Ion Ratio Lower Upper
88 100
43 1209.1 30.5 45.7#
58 90.9 58.9 88.3#

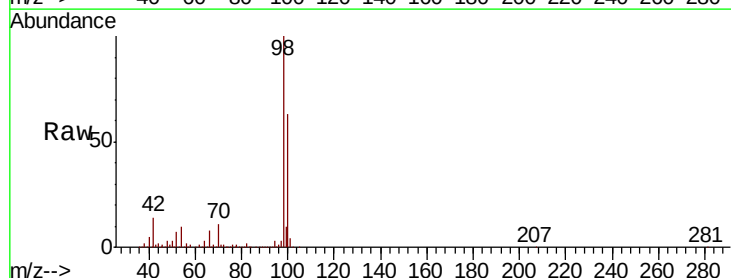


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

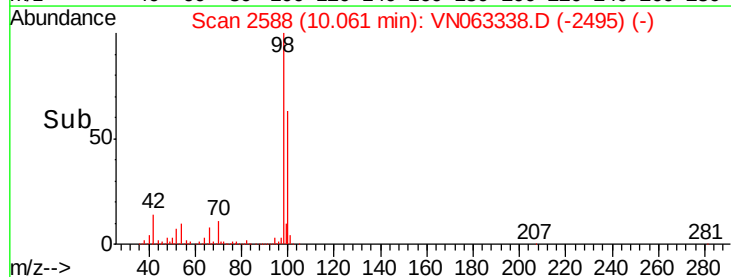
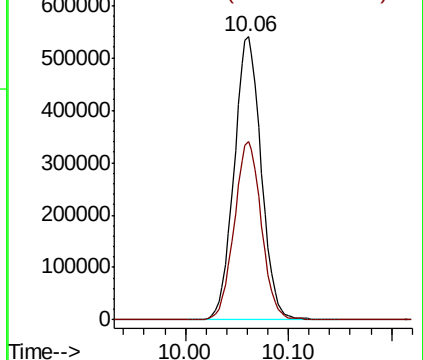


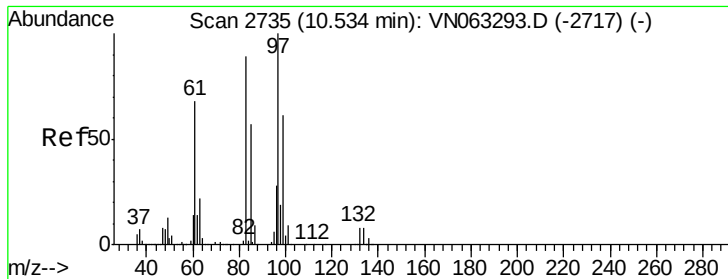
#50
Toluene-d8
Concen: 51.952 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. -0.00 min
Lab File: VN063338.D
Acq: 14 Sep 2020 13:19

Tgt Ion: 98 Resp: 990108
Ion Ratio Lower Upper
98 100
100 63.0 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#55

1,1,2-Trichloroethane

Concen: 0.621 ug/l

RT: 10.60 min Scan# 2757

Delta R.T. 0.07 min

Lab File: VN063338.D

Acq: 14 Sep 2020 13:19

Instrument :

MSVOA_N

ClientSampleId :

B17-0-2ME

Tot Ion: 97 Resp: 3361

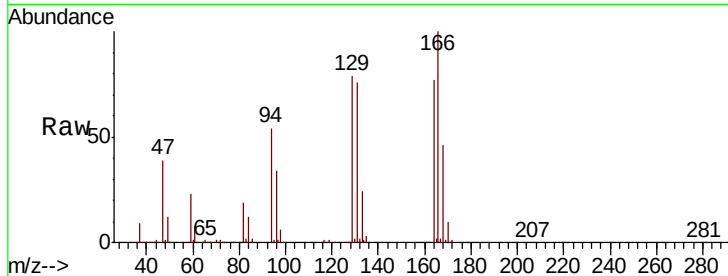
Ion Ratio Lower Upper

97 100

83 220.0 70.8 106.2#

85 40.0 45.6 68.4#

99 18.7 49.0 73.4#

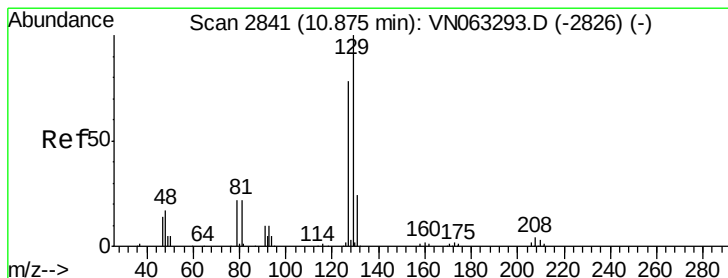
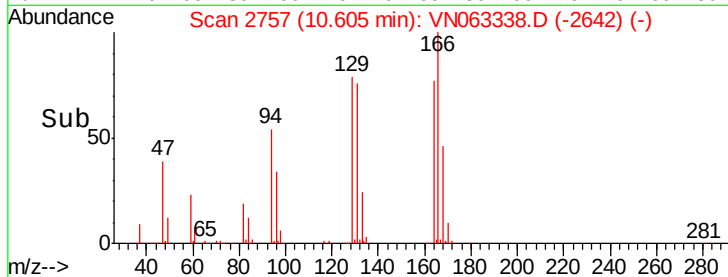
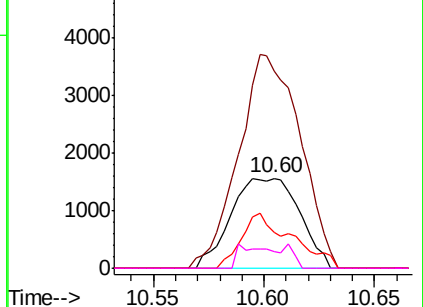


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#60

Dibromochloromethane

Concen: 45.239 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. -0.27 min

Lab File: VN063338.D

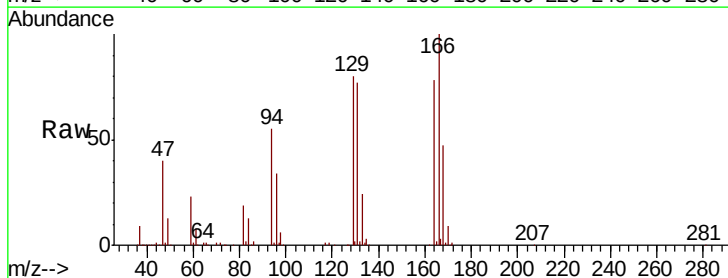
Acq: 14 Sep 2020 13:19

Tgt Ion: 129 Resp: 268975

Ion Ratio Lower Upper

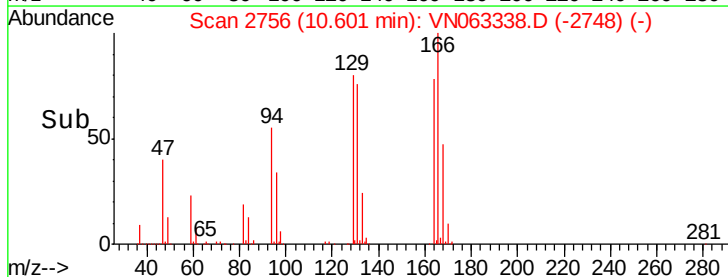
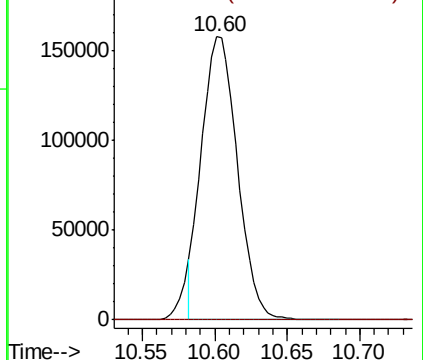
129 100

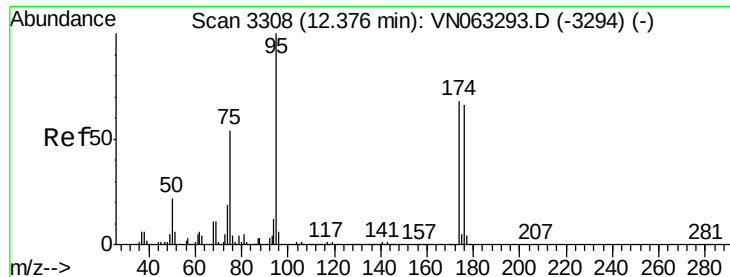
127 0.0 39.0 117.0#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 53.617 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063338.D

Acq: 14 Sep 2020 13:19

Instrument :

MSVOA_N

ClientSampleId :

B17-0-2ME

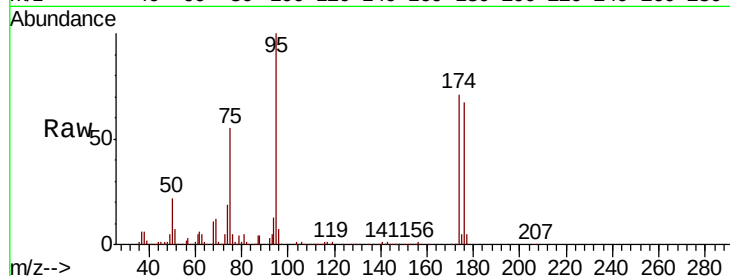
Tot Ion: 95 Resp: 377414

Ion Ratio Lower Upper

95 100

174 70.4 0.0 136.6

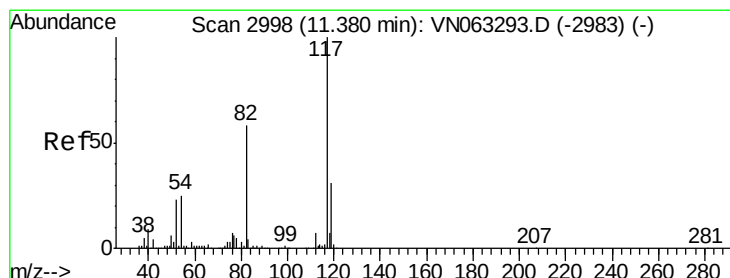
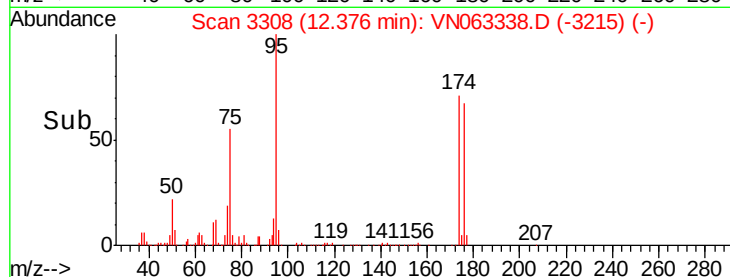
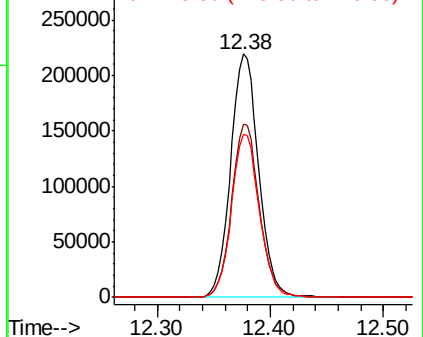
176 67.2 0.0 132.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN063338.D

Acq: 14 Sep 2020 13:19

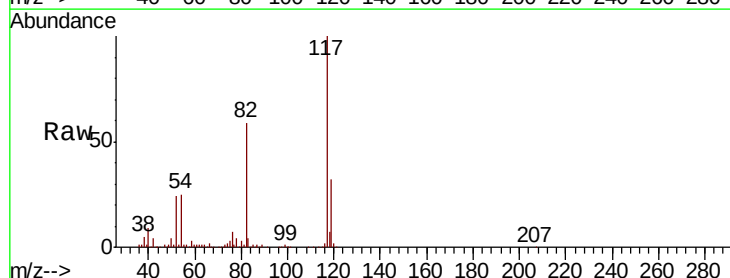
Tgt Ion: 117 Resp: 754858

Ion Ratio Lower Upper

117 100

82 59.3 46.4 69.6

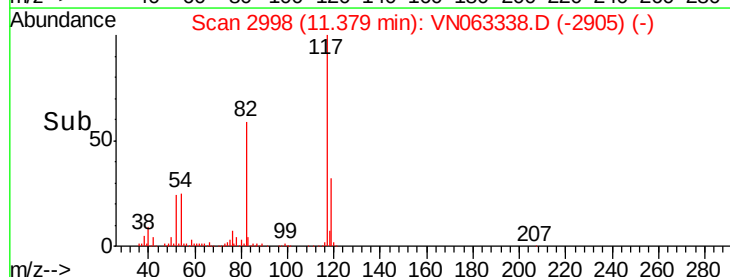
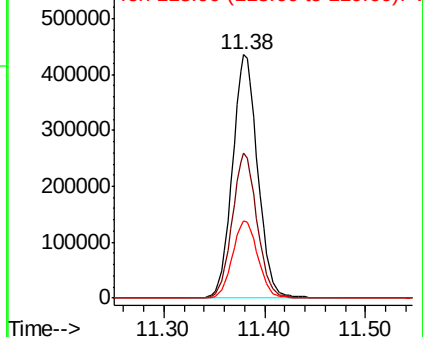
119 31.5 24.8 37.2

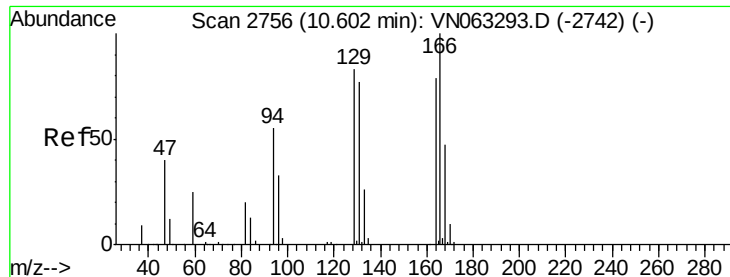


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#64

Tetrachloroethene

Concen: 44.931 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VN063338.D

Acq: 14 Sep 2020 13:19

Instrument :

MSVOA_N

ClientSampleId :

B17-0-2ME

Tot Ion:164 Resp: 277841

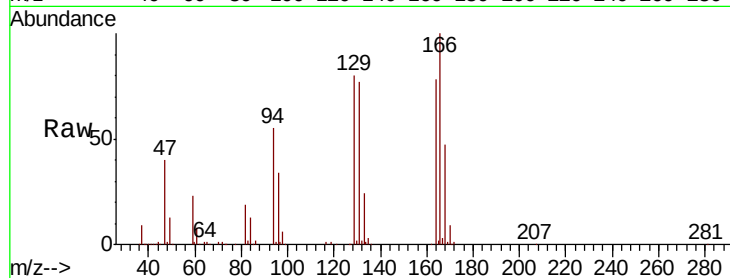
Ion Ratio Lower Upper

164 100

166 127.9 101.3 151.9

129 102.6 83.7 125.5

131 98.5 78.2 117.4

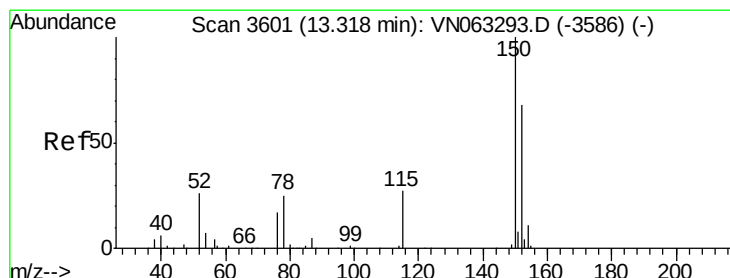
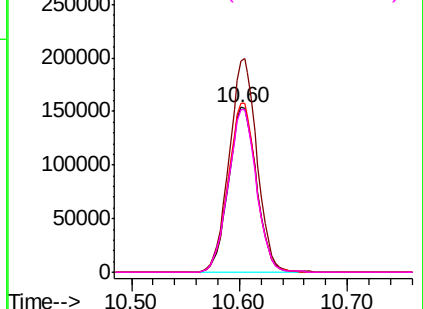
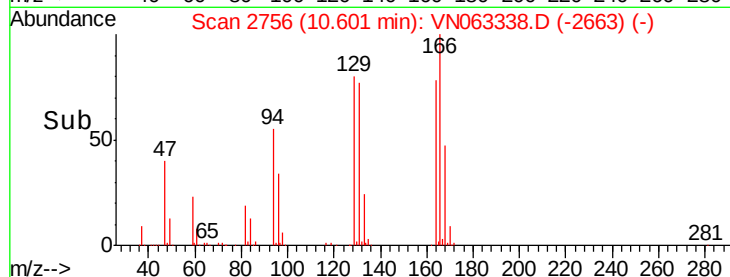


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063338.D

Acq: 14 Sep 2020 13:19

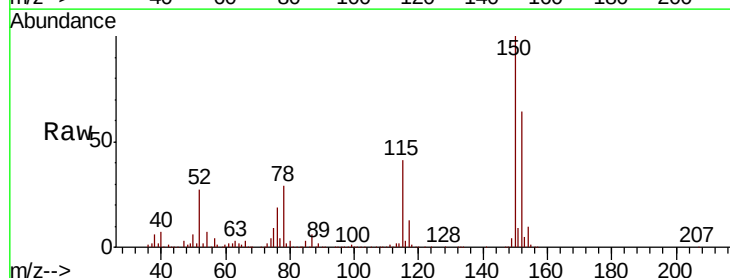
Tgt Ion:152 Resp: 321661

Ion Ratio Lower Upper

152 100

115 63.3 31.5 94.5

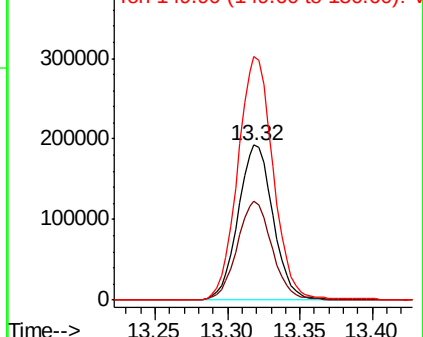
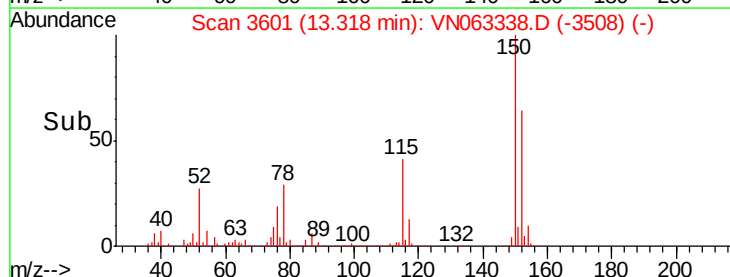
150 159.9 0.0 344.0

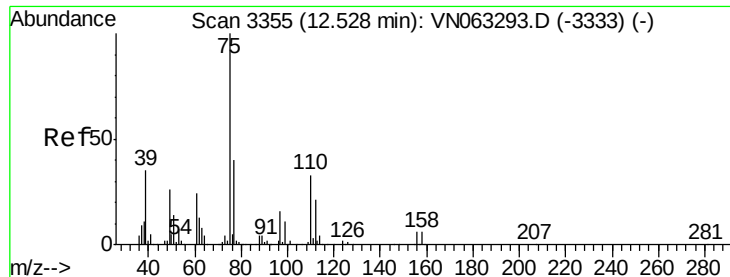


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 29.153 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063338.D

Acq: 14 Sep 2020 13:19

Instrument :

MSVOA_N

ClientSampled :

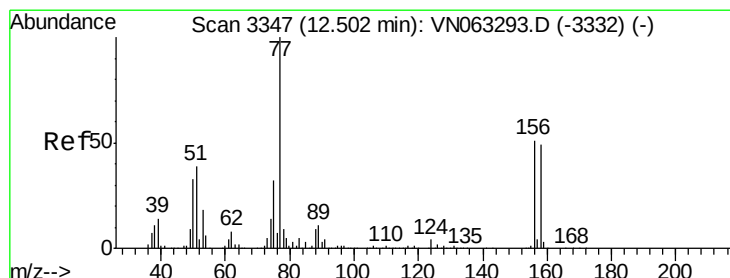
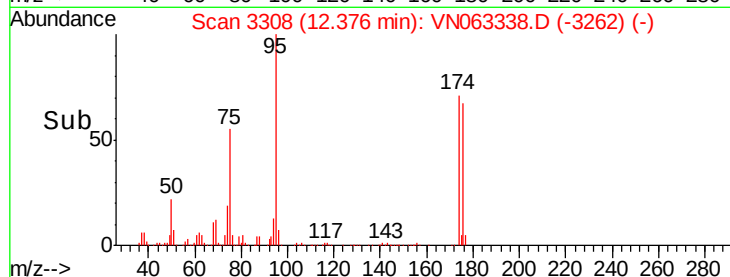
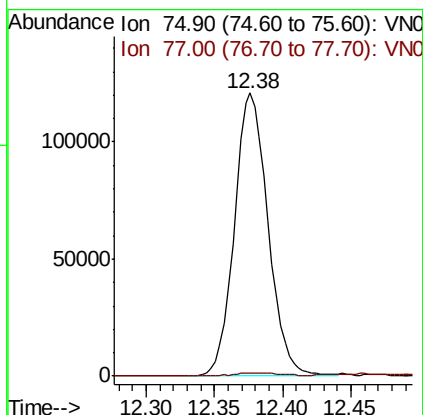
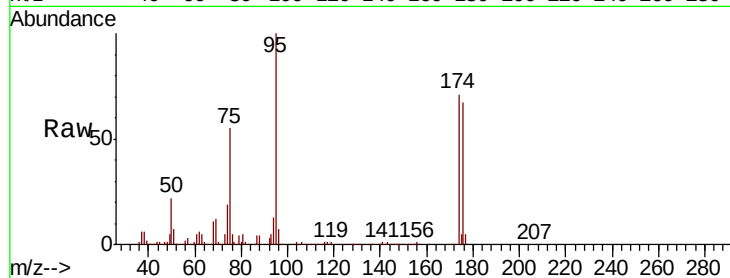
B17-0-2ME

Tot Ion: 75 Resp: 206882

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#77

Bromobenzene

Concen: 3.188 ug/l

RT: 12.45 min Scan# 3331

Delta R.T. -0.05 min

Lab File: VN063338.D

Acq: 14 Sep 2020 13:19

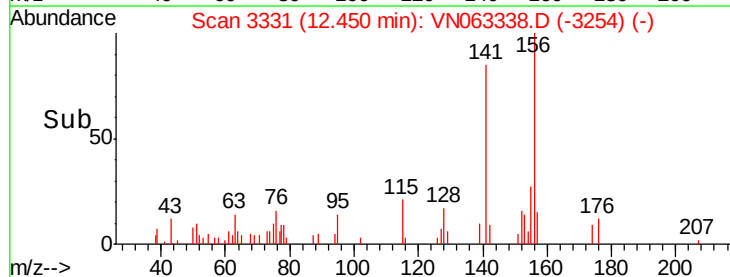
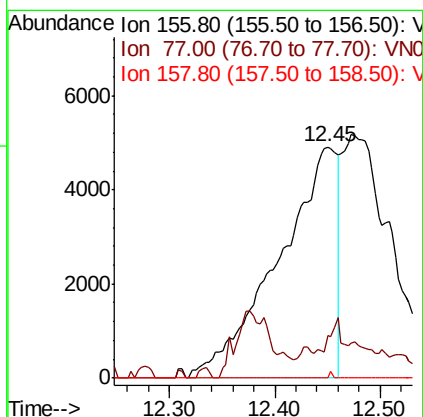
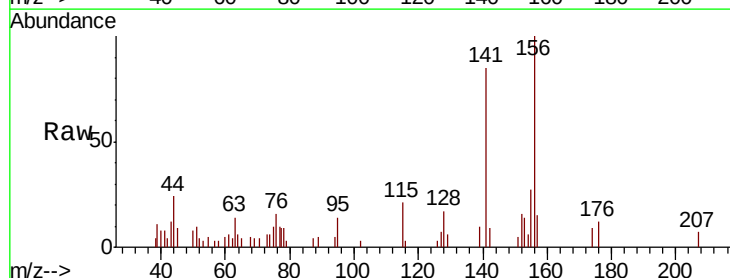
Tgt Ion: 156 Resp: 19013

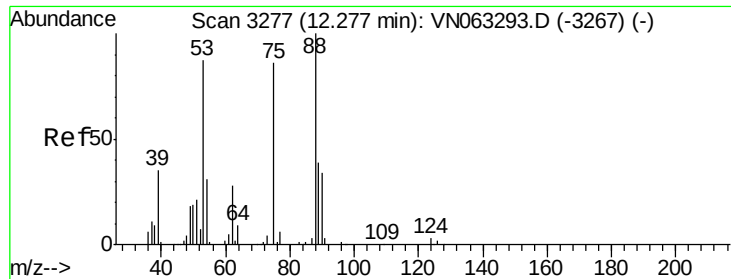
Ion Ratio Lower Upper

156 100

77 2.4 117.4 352.2#

158 0.2 48.8 146.4#

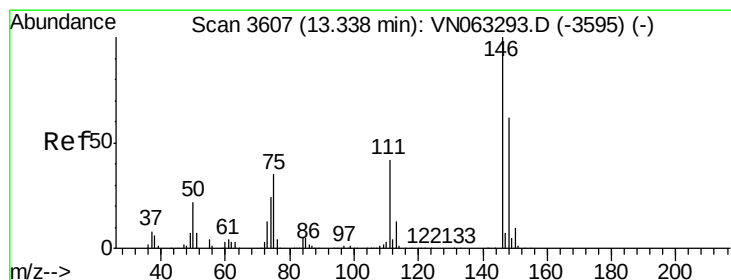
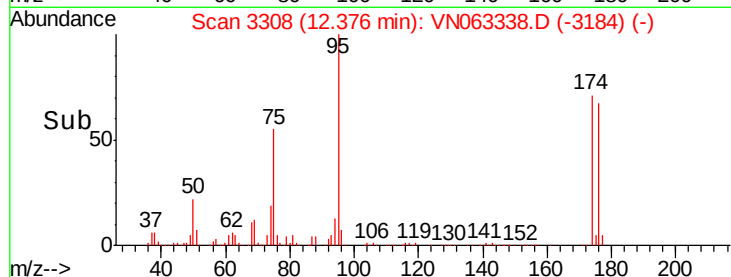
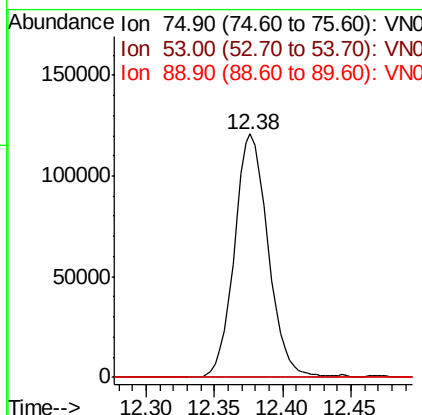
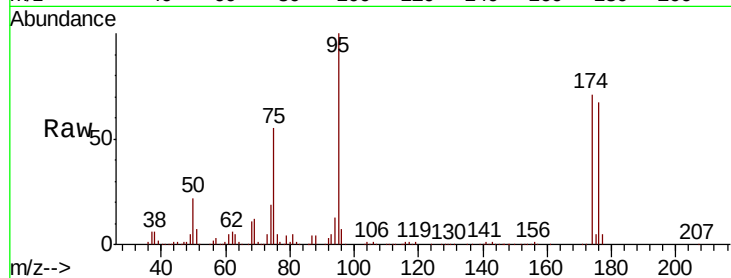




#81
trans-1,4-Dichloro-2-butene
Concen: 78.330 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.10 min
Lab File: VN063338.D
Acq: 14 Sep 2020 13:19

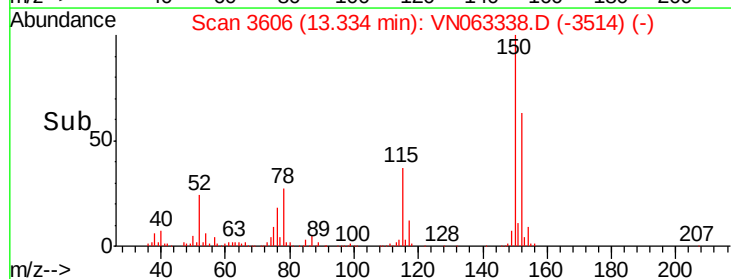
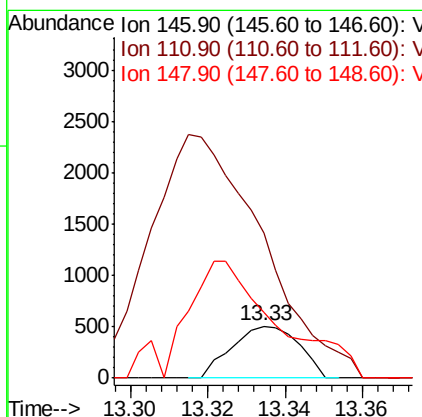
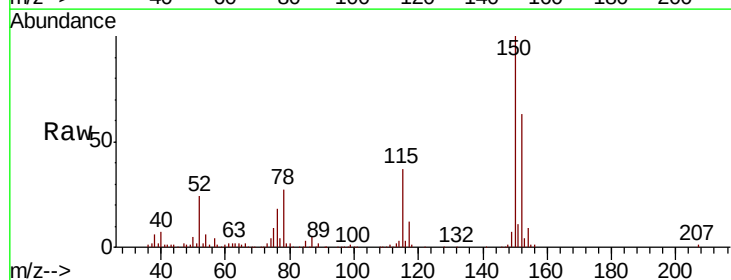
Instrument :
MSVOA_N
ClientSampleId :
B17-0-2ME

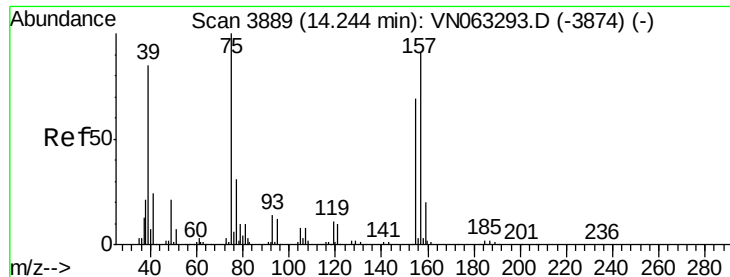
Tot Ion: 75 Resp: 206882
Ion Ratio Lower Upper
75 100
53 0.1 81.8 122.8#
89 0.1 36.7 55.1#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.33 min Scan# 3606
Delta R.T. -0.00 min
Lab File: VN063338.D
Acq: 14 Sep 2020 13:19

Tgt Ion:146 Resp: 610
Ion Ratio Lower Upper
146 100
111 793.4 21.3 64.0#
148 312.5 31.5 94.5#

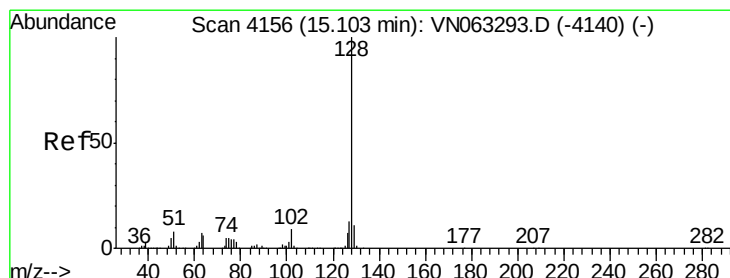
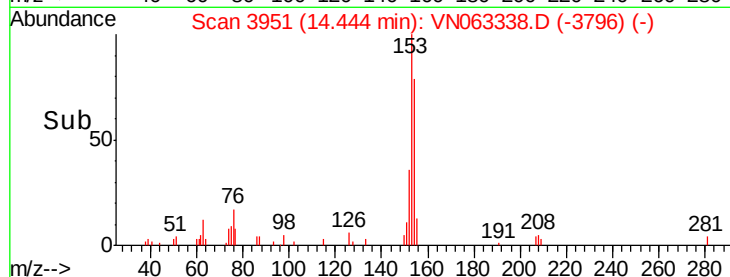
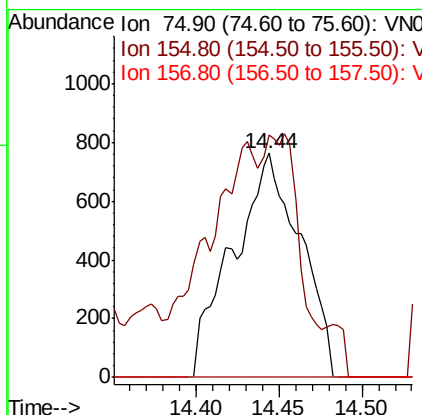
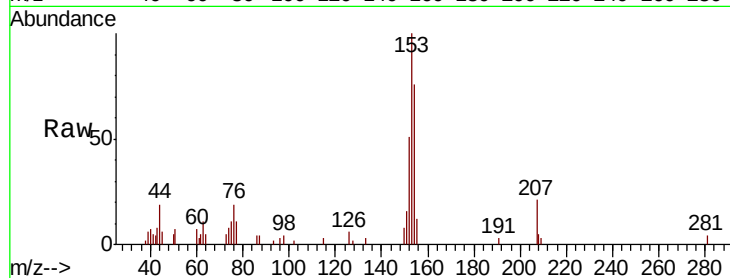




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.277 ug/l
 RT: 14.44 min Scan# 3951
 Delta R.T. 0.20 min
 Lab File: VN063338.D
 Acq: 14 Sep 2020 13:19

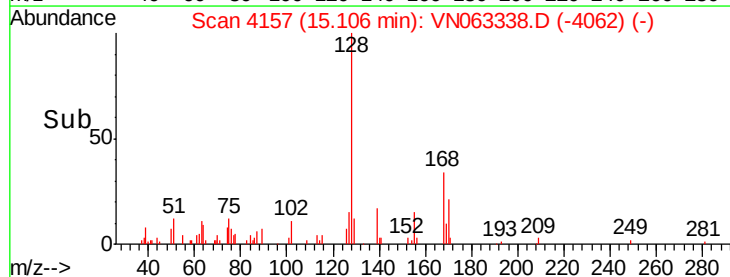
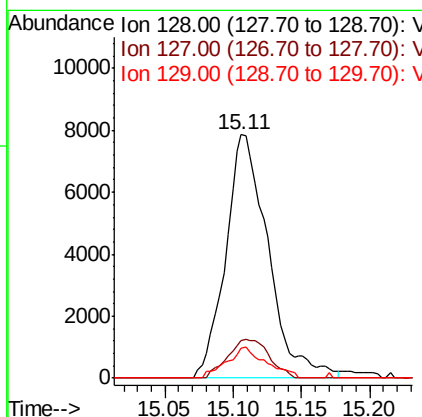
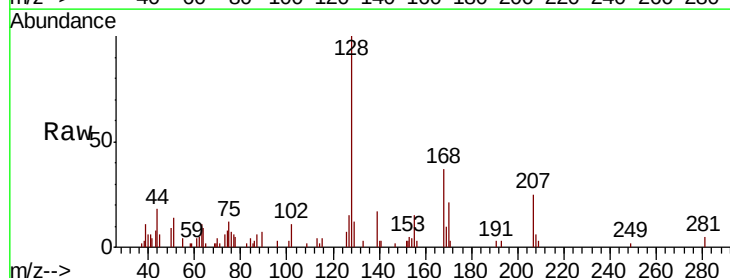
Instrument :
 MSVOA_N
 ClientSampled :
 B17-0-2ME

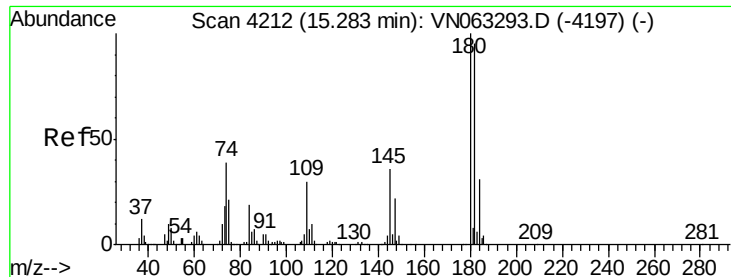
Tot Ion: 75 Resp: 2158
 Ion Ratio Lower Upper
 75 100
 155 50.3 35.3 105.7
 157 0.0 46.7 140.0#



#95
 Naphthalene
 Concen: 0.372 ug/l
 RT: 15.11 min Scan# 4157
 Delta R.T. 0.00 min
 Lab File: VN063338.D
 Acq: 14 Sep 2020 13:19

Tgt Ion: 128 Resp: 17019
 Ion Ratio Lower Upper
 128 100
 127 15.4 10.3 15.5
 129 11.7 8.6 12.8

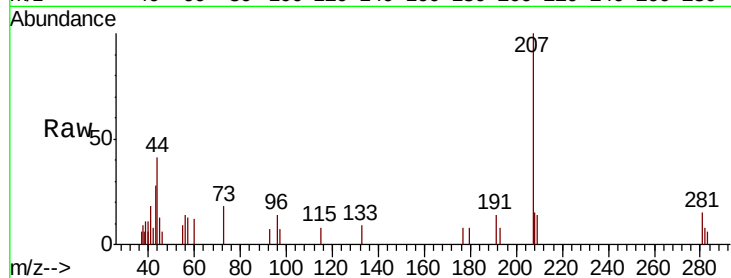




#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 15.30 min Scan# 4216
 Delta R.T. 0.01 min
 Lab File: VN063338.D
 Acq: 14 Sep 2020 13:19

Instrument :
 MSVOA_N
 ClientSampleId :
 B17-0-2ME

Tot Ion	Ratio	Lower	Upper
180	100		
182	57.1	47.4	142.3
145	13.7	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

