

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091420\
 Data File : VN063343.D
 Acq On : 14 Sep 2020 15:19
 Operator : JC/MD
 Sample : L3981-06ME 10X
 Misc : 10.19g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 B18-7-9ME

Quant Time: Sep 15 05:10:46 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	379439	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	702003	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	695495	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	292598	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	294237	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
35) Dibromofluoromethane	7.55	113	222293	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	
50) Toluene-d8	10.06	98	889391	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
62) 4-Bromofluorobenzene	12.38	95	342525	53.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.86%	

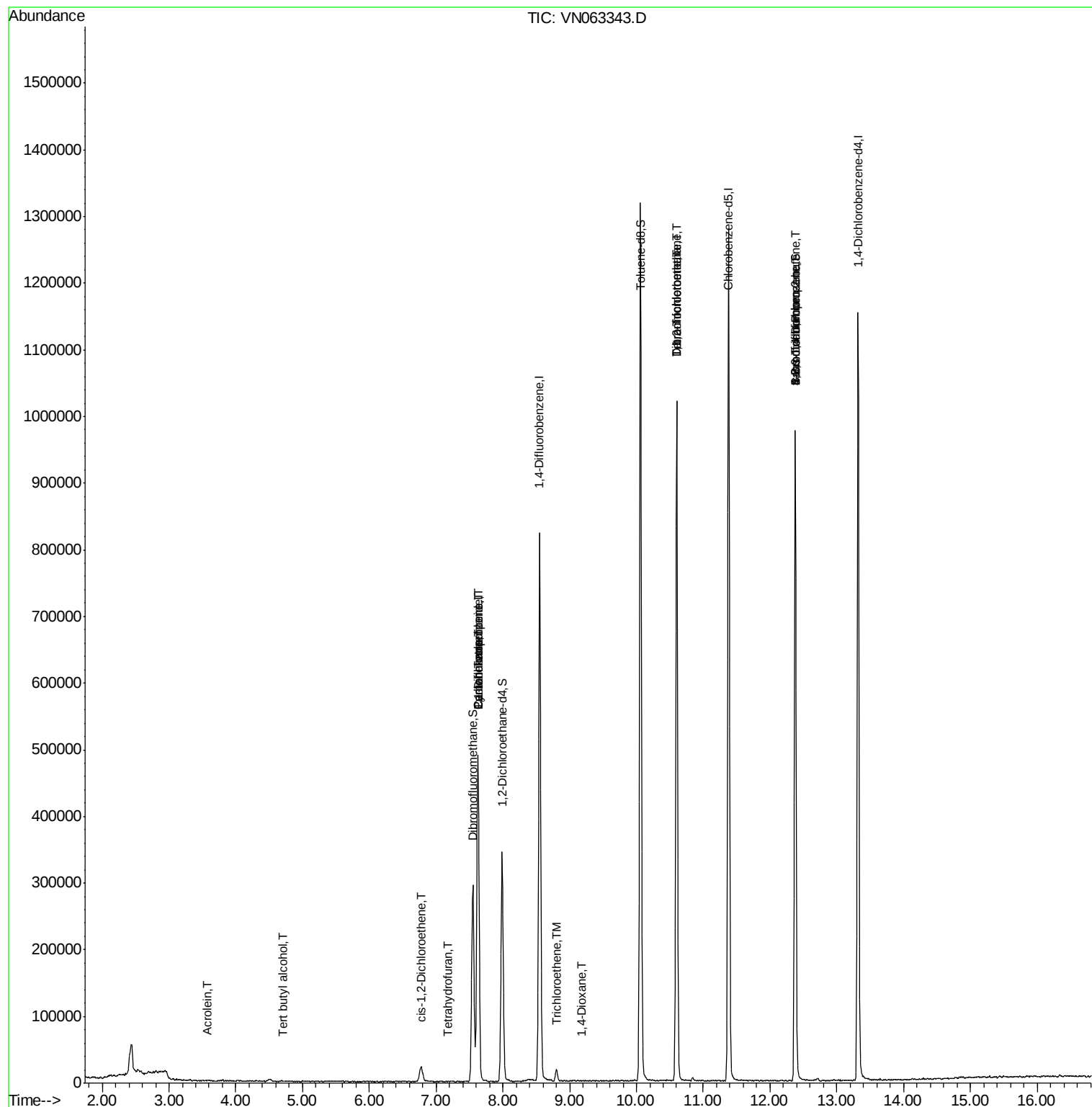
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1528	Below Cal		89
11) Tert butyl alcohol	4.71	59	231	0.293 ug/l #		57
13) Acrolein	3.57	56	166	32.794 ug/l #		77
17) Carbon Disulfide	4.01	76	412	Below Cal #		75
20) Methylene Chloride	4.50	84	148	Below Cal #		60
27) cis-1,2-Dichloroethene	6.78	96	2582	0.476 ug/l		81
29) Tetrahydrofuran	7.17	42	405	0.205 ug/l #		37
31) Cyclohexane	7.63	56	10119	1.210 ug/l #		17
36) 1,1-Dichloropropene	7.62	75	33879	4.695 ug/l #		51
38) Carbon Tetrachloride	7.62	117	39942	5.624 ug/l #		16
44) Trichloroethene	8.80	130	5689	1.056 ug/l		92
49) 1,4-Dioxane	9.17	88	118	1.329 ug/l #		1
55) 1,1,2-Trichloroethane	10.60	97	2375	0.482 ug/l #		22
60) Dibromochloromethane	10.60	129	206564	38.150 ug/l #		11
64) Tetrachloroethene	10.60	164	215466	37.818 ug/l		98
71) Bromoform	12.38	173	1076	0.285 ug/l #		1
76) 1,2,3-Trichloropropane	12.38	75	183175	28.377 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.38	75	183175	76.242 ug/l #		9
88) 1,4-Dichlorobenzene	13.33	146	138	Below Cal #		25
95) Naphthalene	15.12	128	820	Below Cal #		69
96) 1,2,3-Trichlorobenzene	15.29	180	217	Below Cal #		12

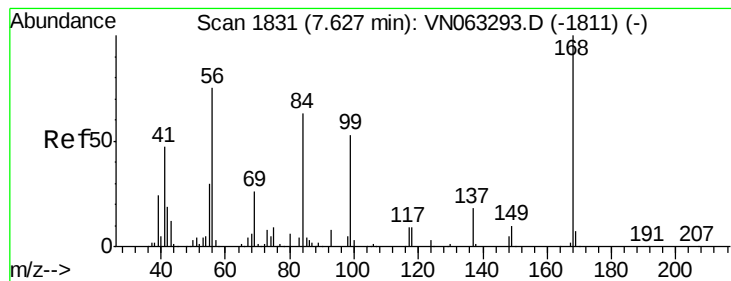
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091420\
Data File : VN063343.D
Acq On : 14 Sep 2020 15:19
Operator : JC/MD
Sample : L3981-06ME 10X
Misc : 10.19g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
B18-7-9ME

Quant Time: Sep 15 05:10:46 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: VN063343.D

Acq: 14 Sep 2020 15:19

Instrument :

MSVOA_N

ClientSampleId :

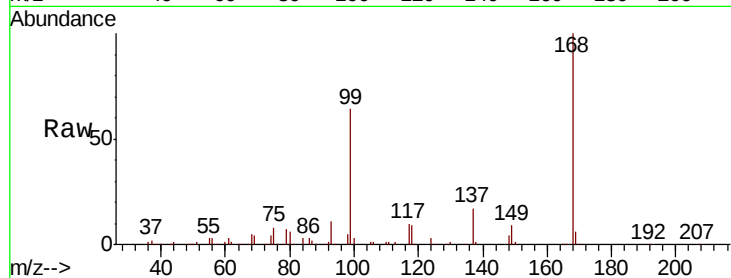
B18-7-9ME

Tot Ion:168 Resp: 379439

Ion Ratio Lower Upper

168 100

99 64.0 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

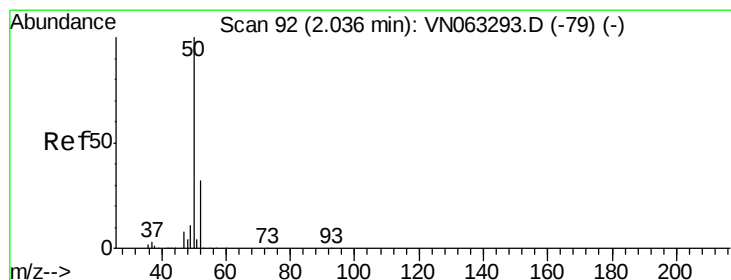
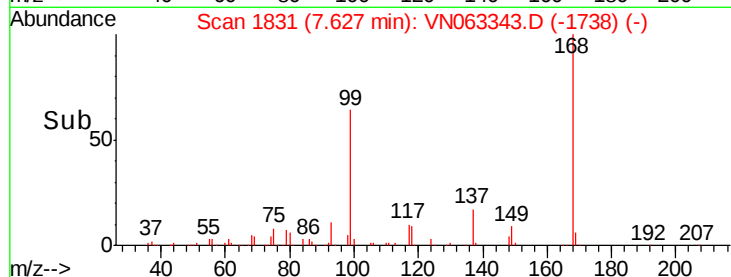
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN063343.D

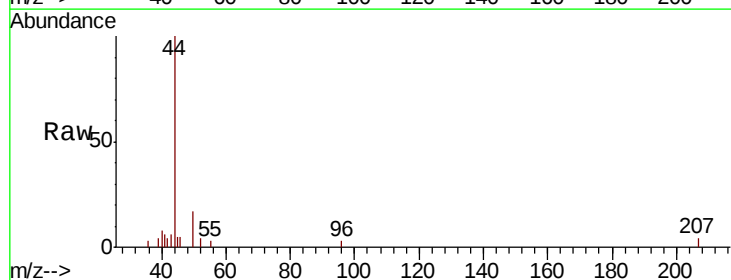
Acq: 14 Sep 2020 15:19

Tgt Ion: 50 Resp: 1528

Ion Ratio Lower Upper

50 100

52 25.7 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

1000

800

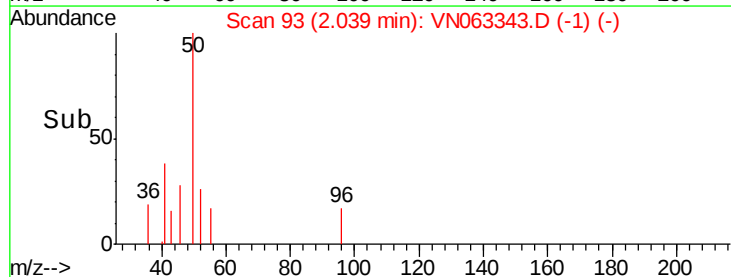
600

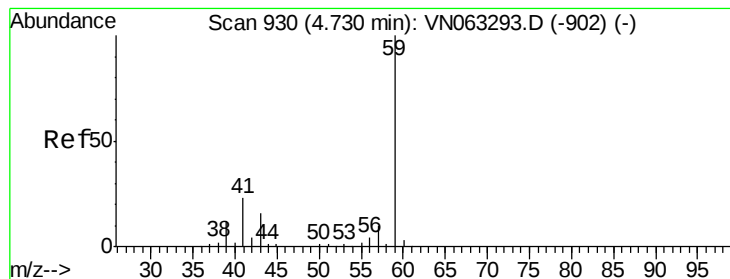
400

200

0

Time--> 2.00 2.02 2.04 2.06



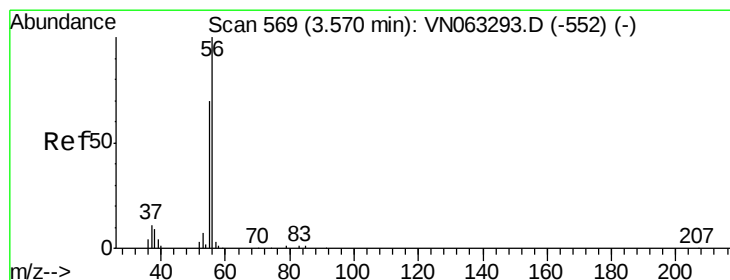
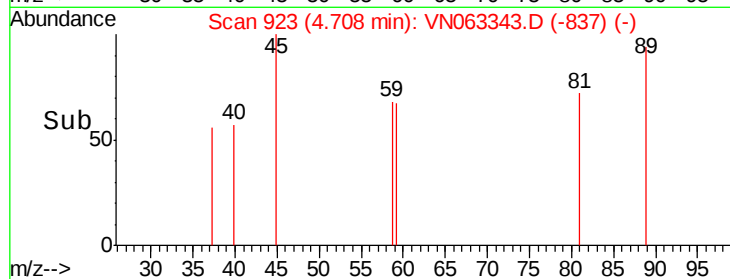
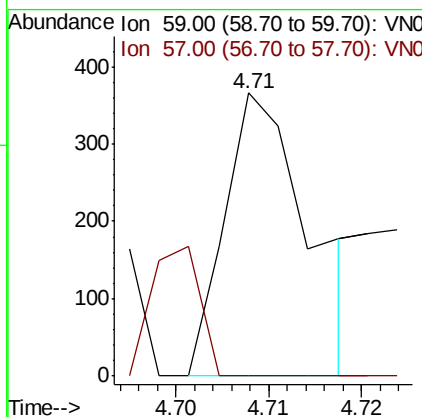
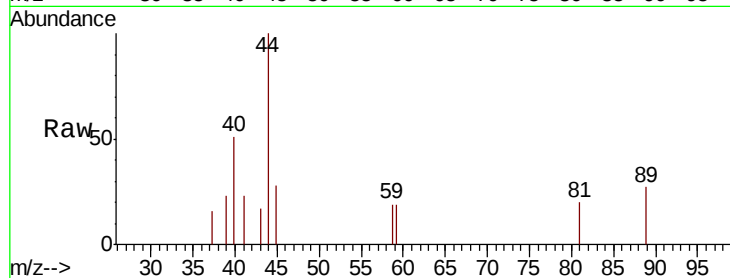


#11

Tert butyl alcohol
 Concen: 0.293 ug/l
 RT: 4.71 min Scan# 923
 Delta R.T. -0.02 min
 Lab File: VN063343.D
 Acq: 14 Sep 2020 15:19

Instrument :
 MSVOA_N
 ClientSampled :
 B18-7-9ME

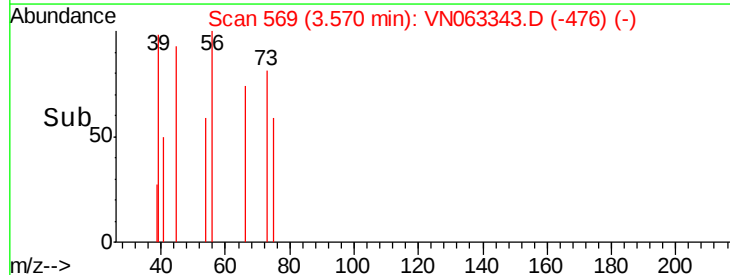
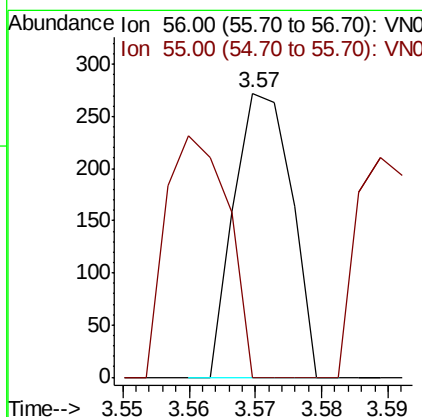
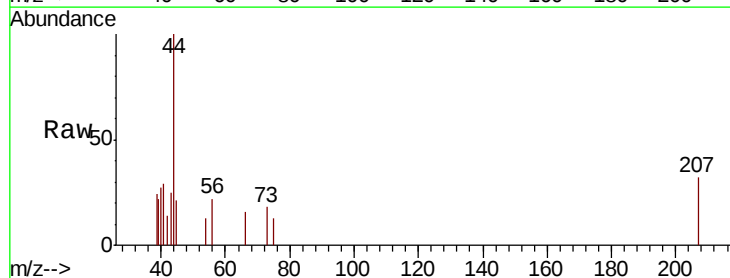
Tot Ion: 59 Resp: 231
 Ion Ratio Lower Upper
 59 100
 57 26.4 8.3 12.5#

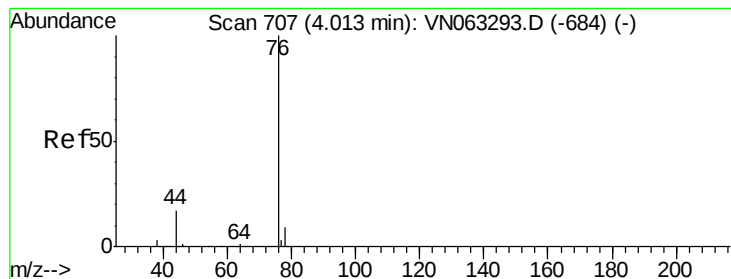


#13

Acrolein
 Concen: 32.794 ug/l
 RT: 3.57 min Scan# 569
 Delta R.T. 0.00 min
 Lab File: VN063343.D
 Acq: 14 Sep 2020 15:19

Tgt Ion: 56 Resp: 166
 Ion Ratio Lower Upper
 56 100
 55 91.0 57.2 85.8#





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN063343.D

Acq: 14 Sep 2020 15:19

Instrument :

MSVOA_N

ClientSampleId :

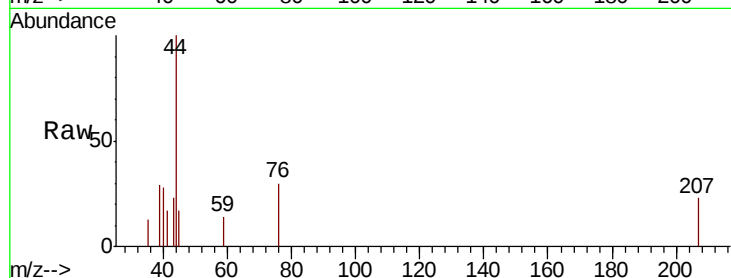
B18-7-9ME

Tot Ion: 76 Resp: 412

Ion Ratio Lower Upper

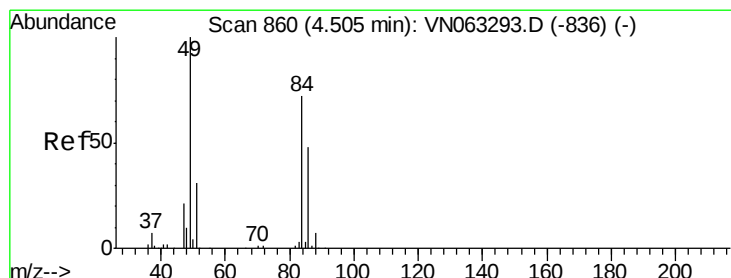
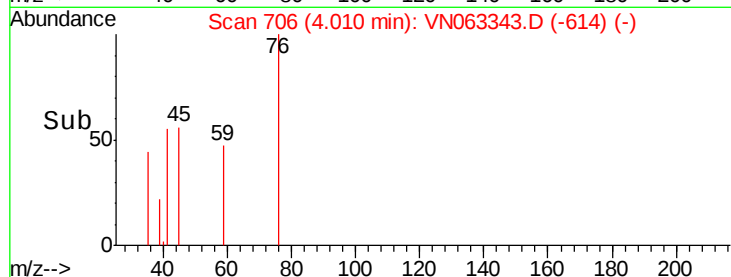
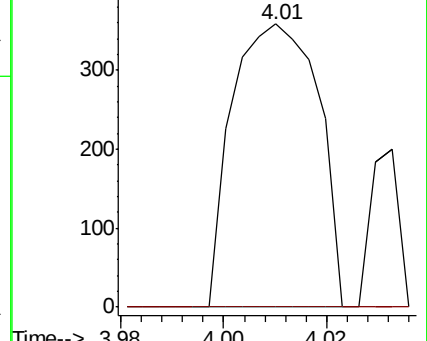
76 100

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: 4.50 min Scan# 858

Delta R.T. -0.01 min

Lab File: VN063343.D

Acq: 14 Sep 2020 15:19

Tgt Ion: 84 Resp: 148

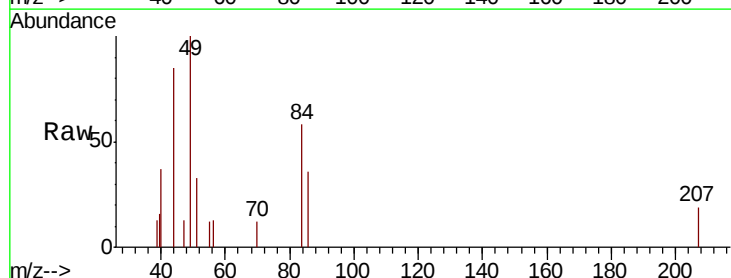
Ion Ratio Lower Upper

84 100

49 103.0 111.1 166.7#

51 45.8 34.3 51.5

86 0.0 52.9 79.3#

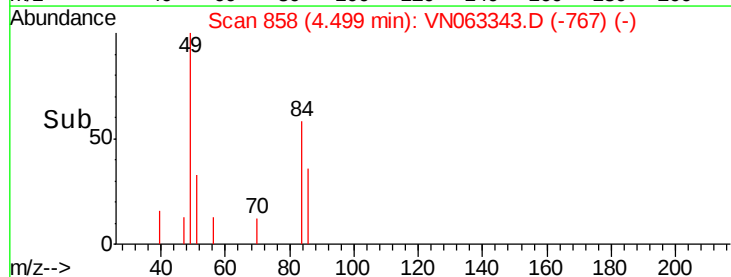
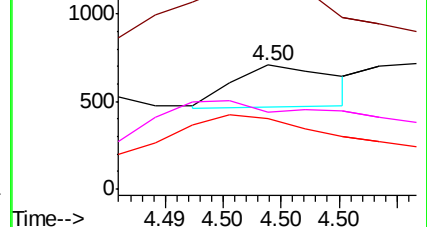


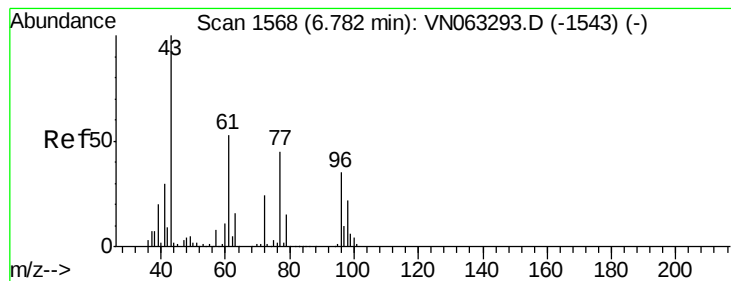
Abundance Ion 83.90 (83.60 to 84.60): VN0

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





#27

cis-1,2-Dichloroethene

Concen: 0.476 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN063343.D

Acq: 14 Sep 2020 15:19

Instrument :

MSVOA_N

ClientSampled :

B18-7-9ME

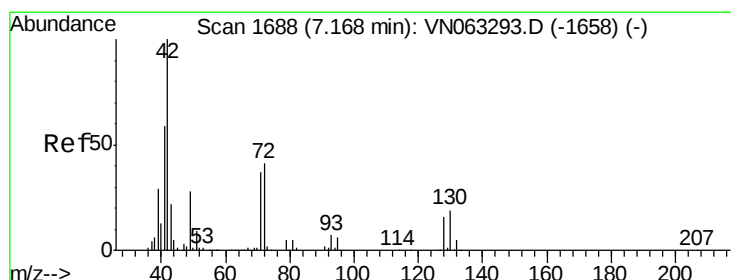
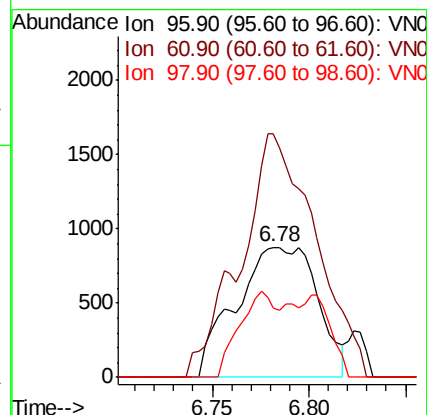
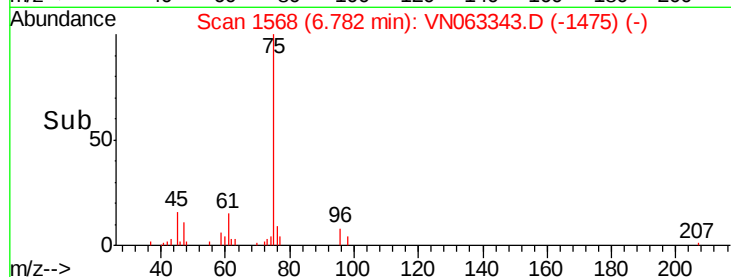
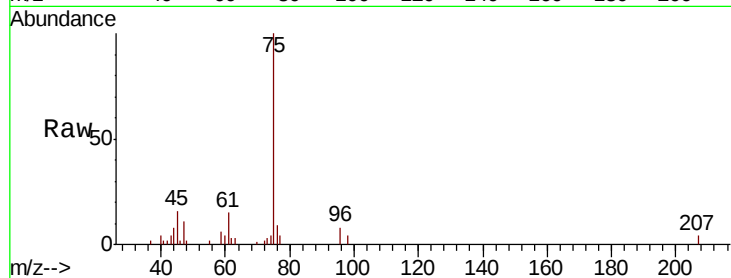
Tot Ion: 96 Resp: 2582

Ion Ratio Lower Upper

96 100

61 171.8 0.0 322.8

98 30.5 0.0 132.2



#29

Tetrahydrofuran

Concen: 0.205 ug/l

RT: 7.17 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VN063343.D

Acq: 14 Sep 2020 15:19

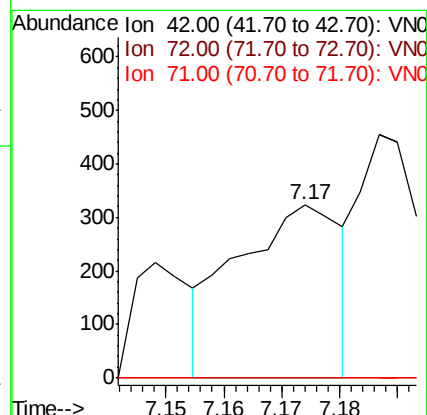
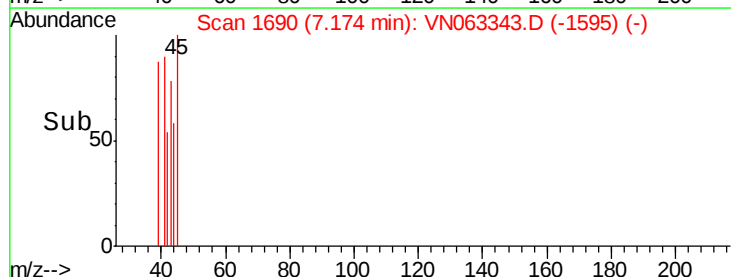
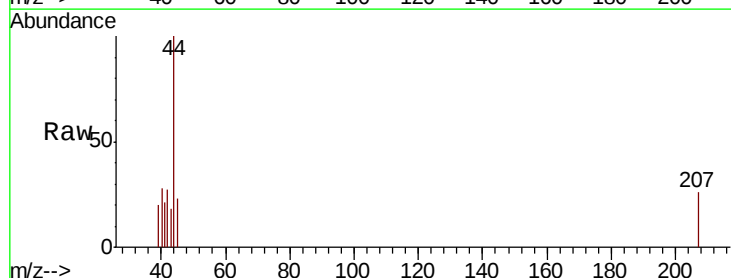
Tgt Ion: 42 Resp: 405

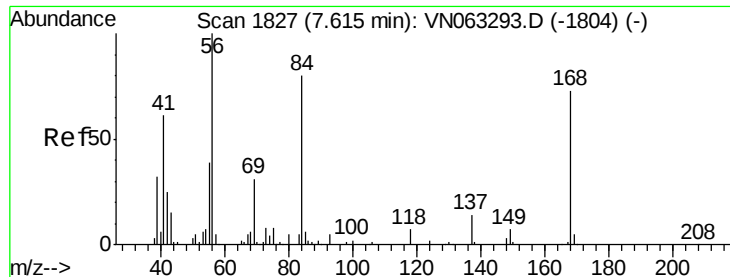
Ion Ratio Lower Upper

42 100

72 0.0 31.4 47.2#

71 0.0 30.0 45.0#

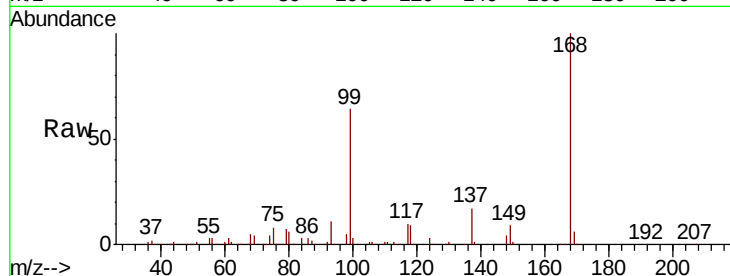




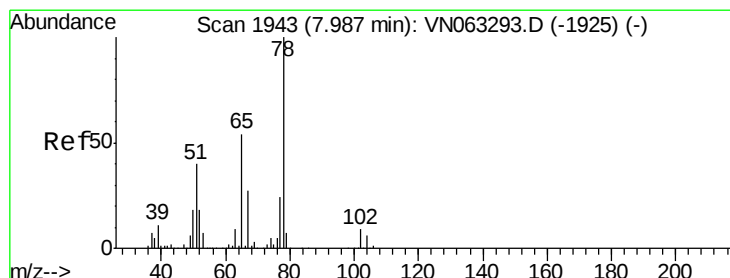
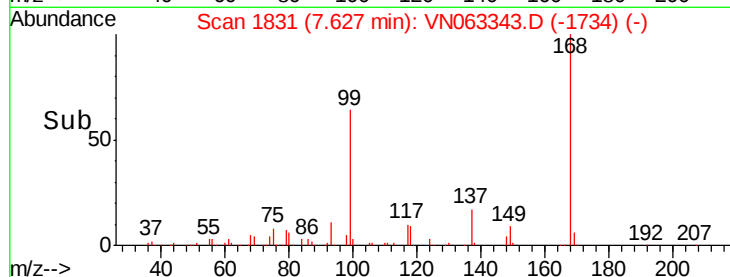
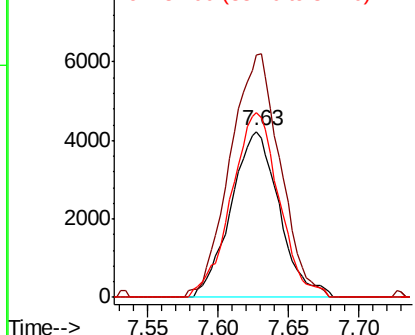
#31
Cyclohexane
Concen: 1.210 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN063343.D
Acq: 14 Sep 2020 15:19

Instrument :
MSVOA_N
ClientSampleId :
B18-7-9ME

Tot Ion: 56 Resp: 10119
Ion Ratio Lower Upper
56 100
69 146.0 25.1 37.7#
84 111.1 64.2 96.2#

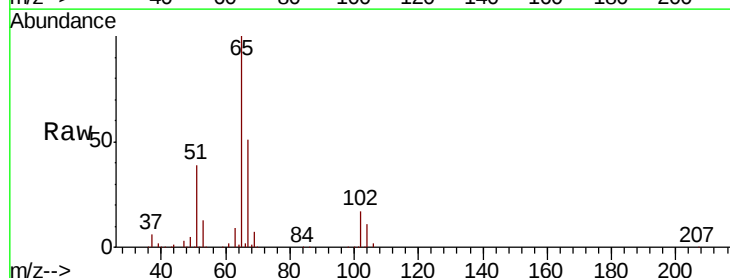


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

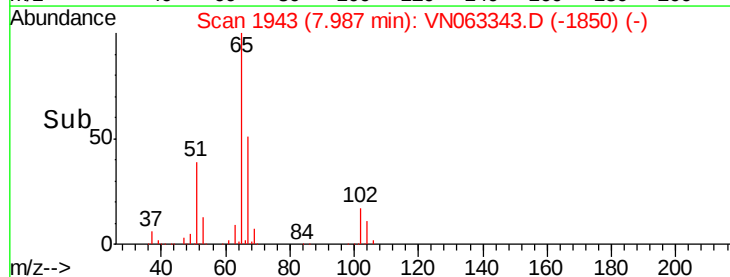
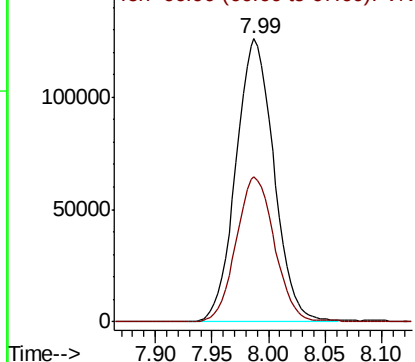


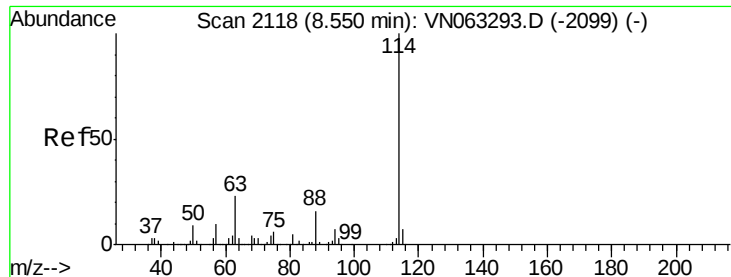
#33
1,2-Dichloroethane-d4
Concen: 49.356 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN063343.D
Acq: 14 Sep 2020 15:19

Tgt Ion: 65 Resp: 294237
Ion Ratio Lower Upper
65 100
67 51.9 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

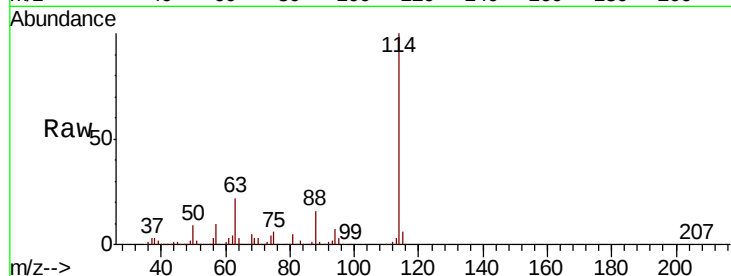




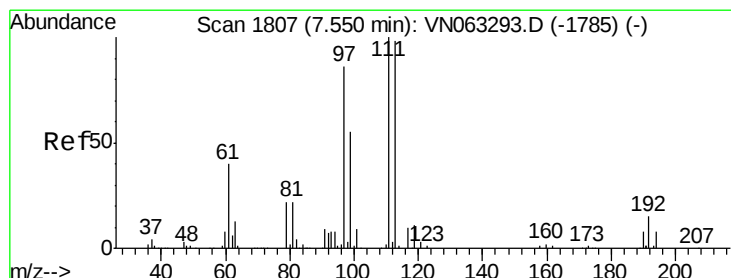
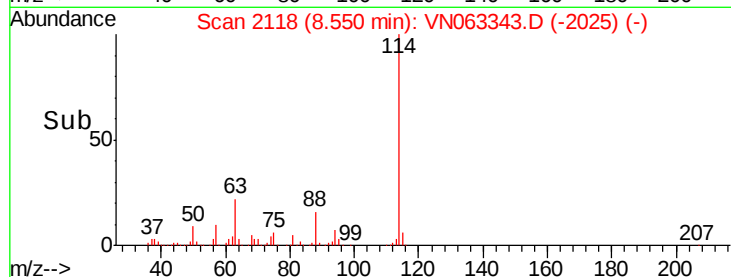
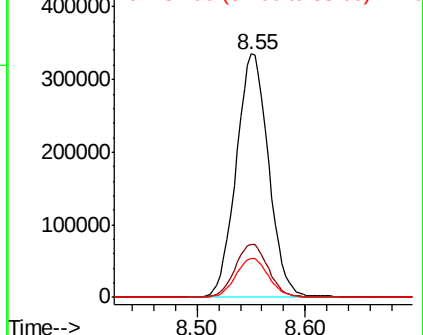
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063343.D
 Acq: 14 Sep 2020 15:19

Instrument :
 MSVOA_N
 ClientSampleId :
 B18-7-9ME

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	46.0
88	16.2	0.0	32.8

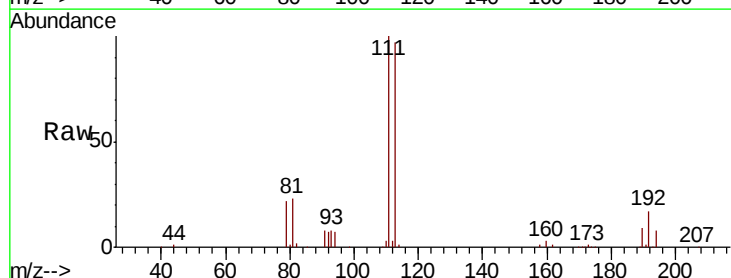


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

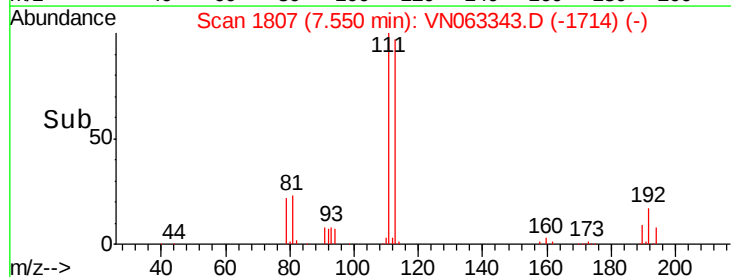
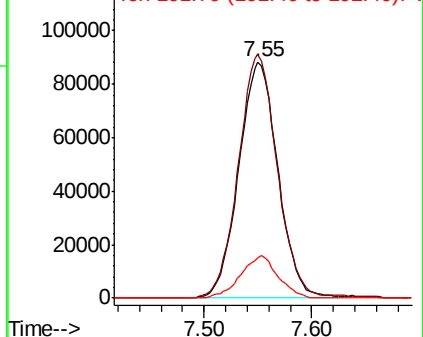


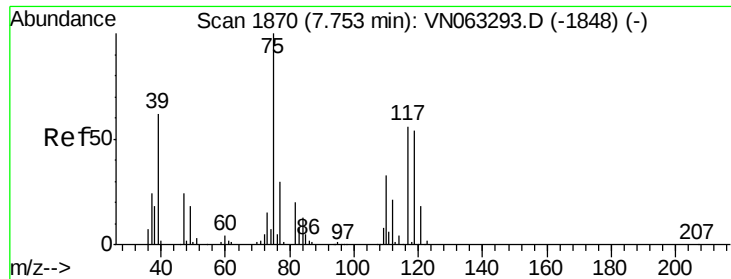
#35
 Dibromofluoromethane
 Concen: 49.084 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VN063343.D
 Acq: 14 Sep 2020 15:19

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.2	123.2
192	17.2	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

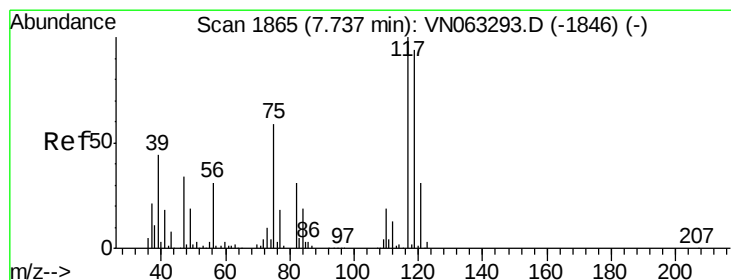
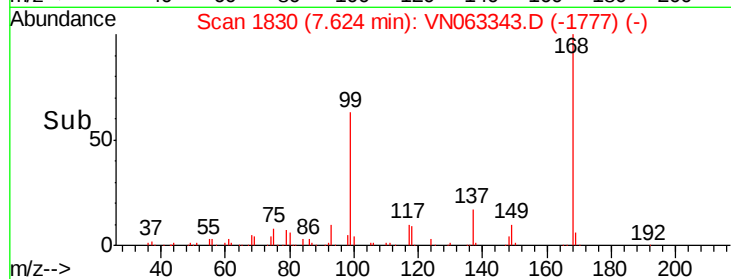
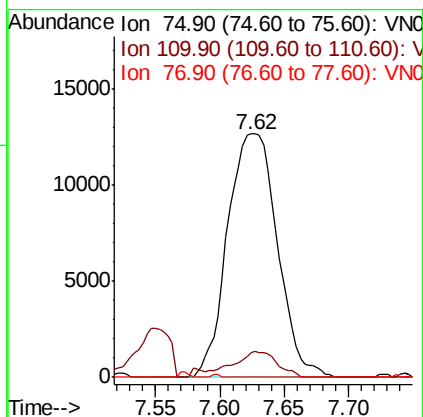
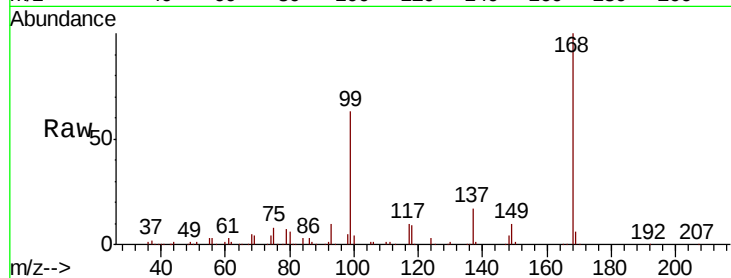




#36
 1,1-Dichloropropene
 Concen: 4.695 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN063343.D
 Acq: 14 Sep 2020 15:19

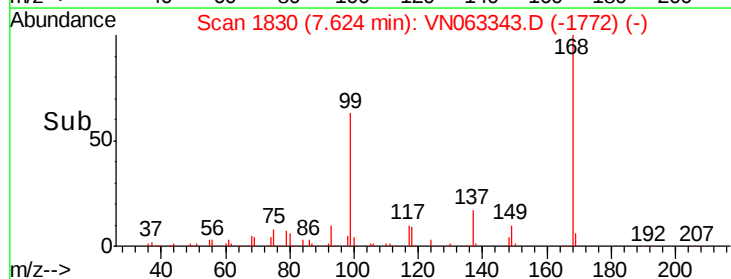
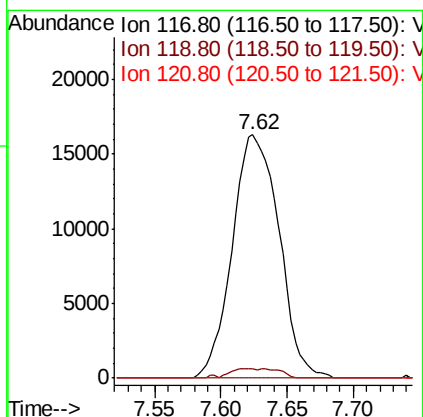
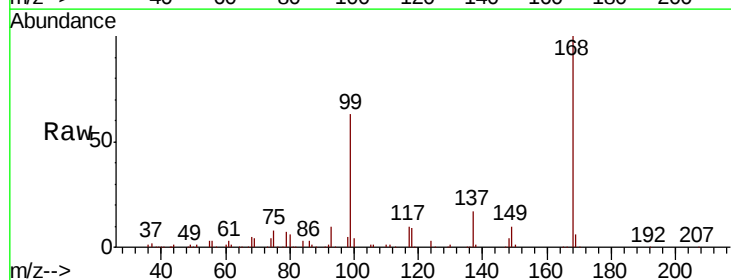
Instrument :
 MSVOA_N
 ClientSampleId :
 B18-7-9ME

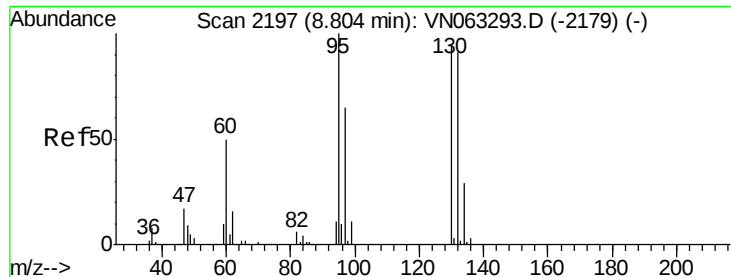
Tot Ion: 75 Resp: 33879
 Ion Ratio Lower Upper
 75 100
 110 9.2 16.4 49.4#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 5.624 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.11 min
 Lab File: VN063343.D
 Acq: 14 Sep 2020 15:19

Tgt Ion: 117 Resp: 39942
 Ion Ratio Lower Upper
 117 100
 119 3.9 75.3 112.9#
 121 0.0 24.6 37.0#

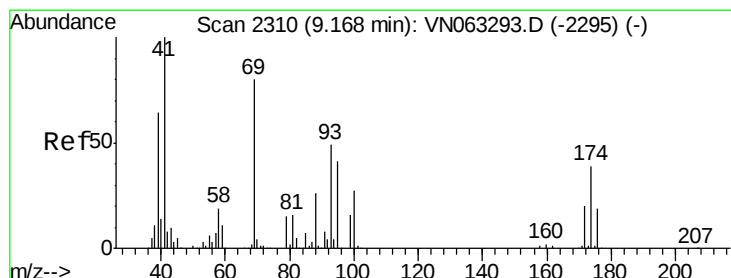
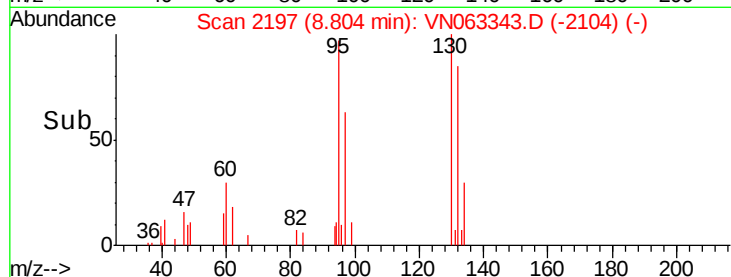
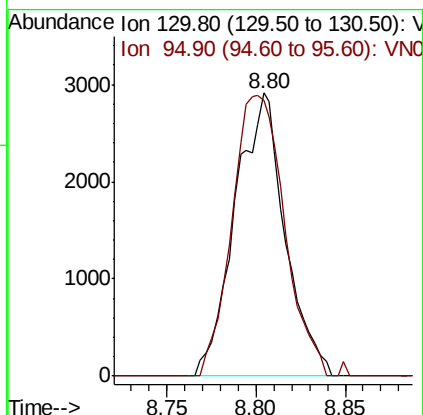
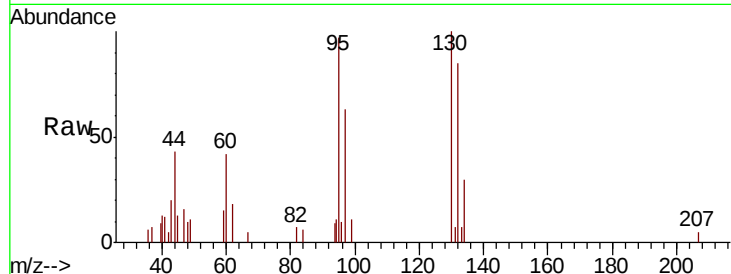




#44
 Trichloroethene
 Concen: 1.056 ug/l
 RT: 8.80 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VN063343.D
 Acq: 14 Sep 2020 15:19

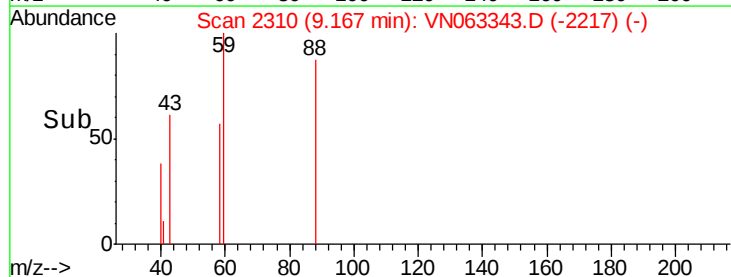
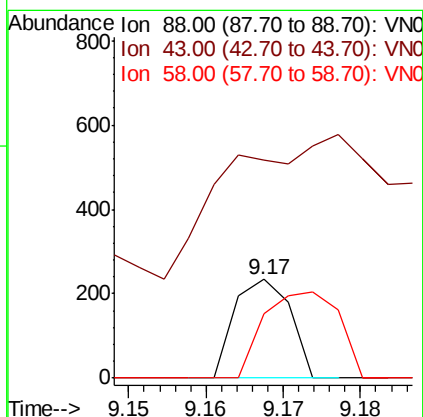
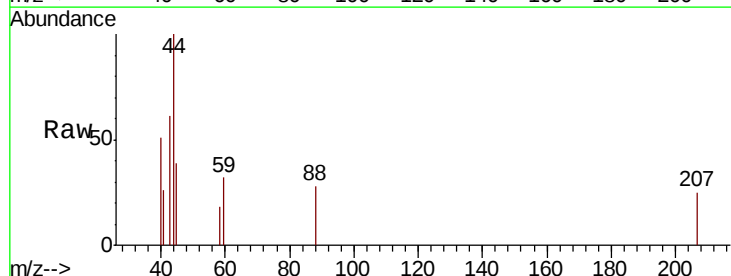
Instrument :
 MSVOA_N
 ClientSampleId :
 B18-7-9ME

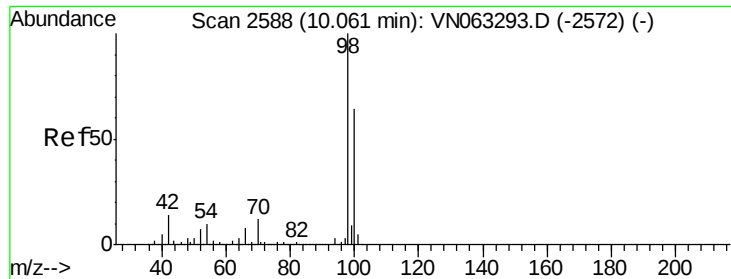
Tot Ion:130 Resp: 5689
 Ion Ratio Lower Upper
 130 100
 95 97.5 0.0 210.8



#49
 1,4-Dioxane
 Concen: 1.329 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN063343.D
 Acq: 14 Sep 2020 15:19

Tgt Ion: 88 Resp: 118
 Ion Ratio Lower Upper
 88 100
 43 383.1 30.5 45.7#
 58 116.9 58.9 88.3#





#50

Toluene-d8

Concen: 51.246 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. -0.00 min

Lab File: VN063343.D

Acq: 14 Sep 2020 15:19

Instrument :

MSVOA_N

ClientSampled :

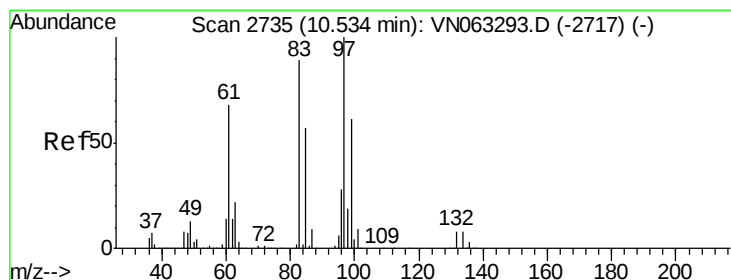
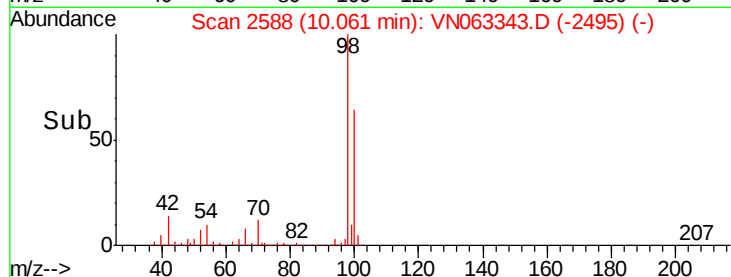
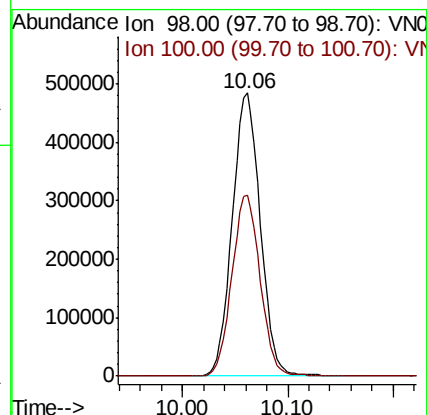
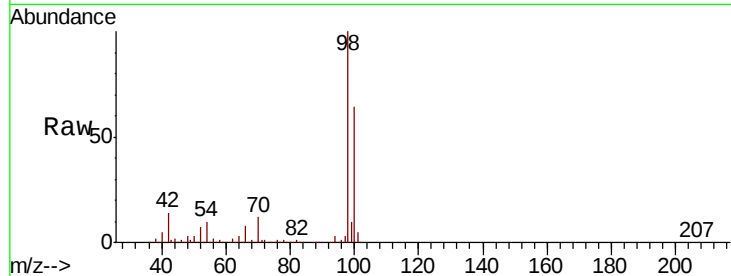
B18-7-9ME

Tot Ion: 98 Resp: 889391

Ion Ratio Lower Upper

98 100

100 64.5 50.7 76.1



#55

1,1,2-Trichloroethane

Concen: 0.482 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. 0.07 min

Lab File: VN063343.D

Acq: 14 Sep 2020 15:19

Tgt Ion: 97 Resp: 2375

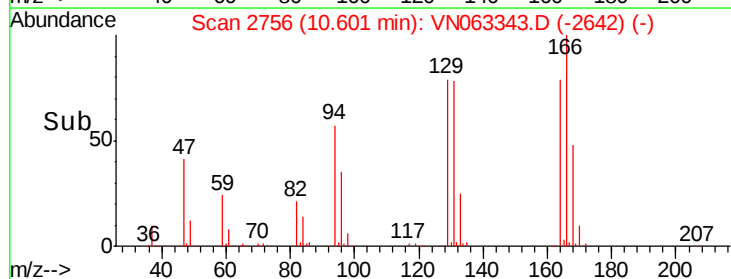
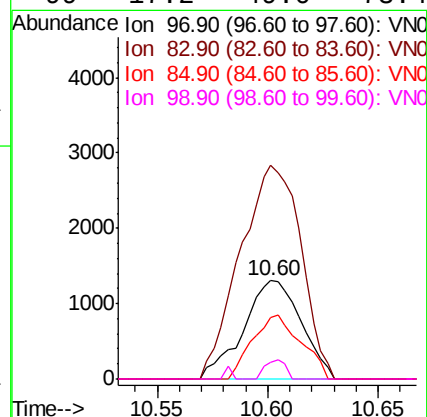
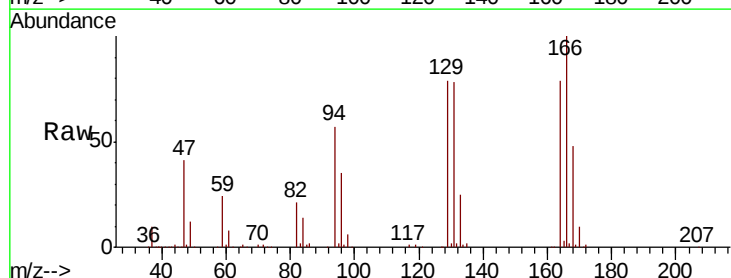
Ion Ratio Lower Upper

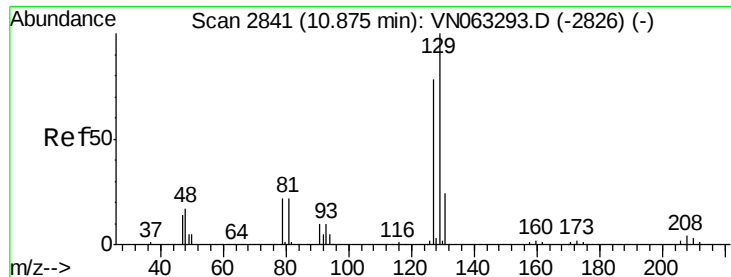
97 100

83 217.6 70.8 106.2#

85 62.5 45.6 68.4

99 17.2 49.0 73.4#

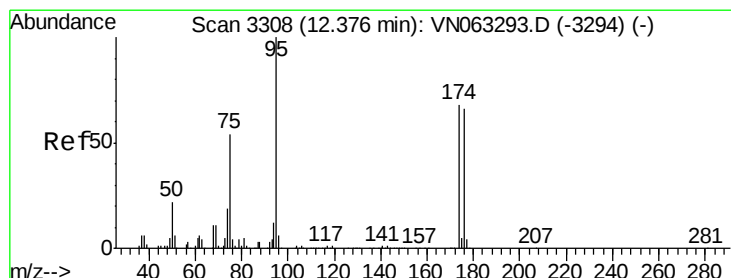
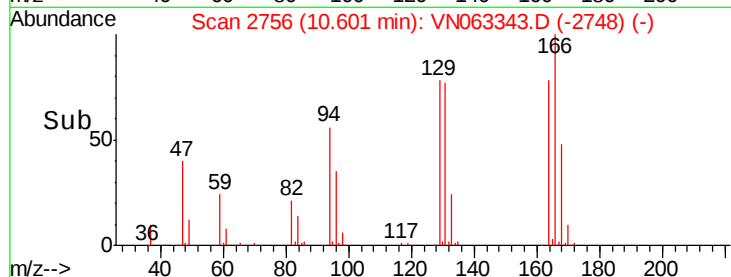
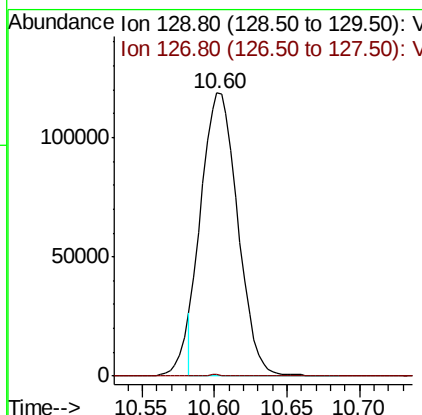
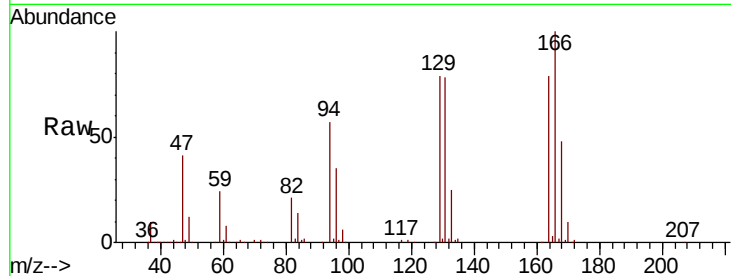




#60
Dibromochloromethane
Concen: 38.150 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.27 min
Lab File: VN063343.D
Acq: 14 Sep 2020 15:19

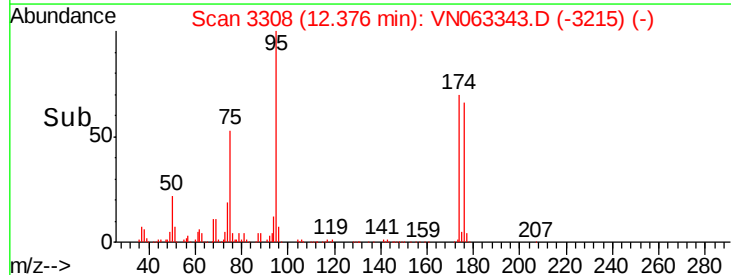
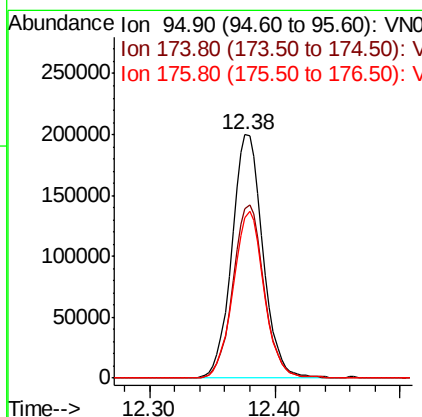
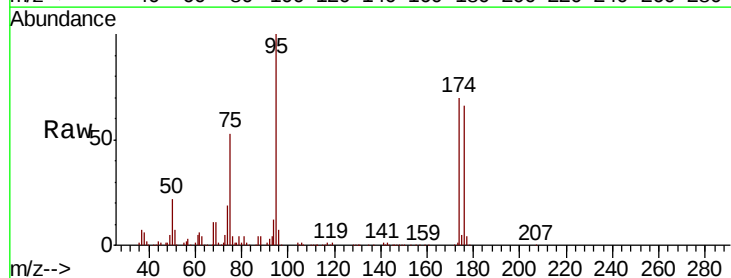
Instrument :
MSVOA_N
ClientSampled :
B18-7-9ME

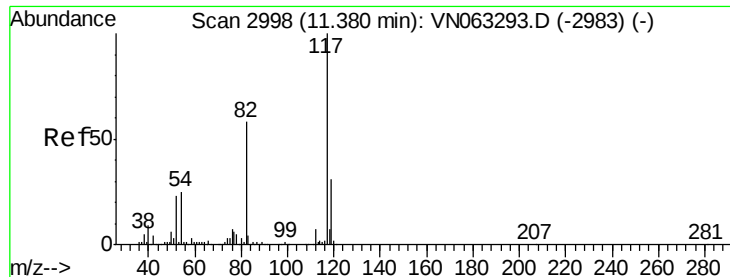
Tot Ion:129 Resp: 206564
Ion Ratio Lower Upper
129 100
127 0.2 39.0 117.0#



#62
4-Bromofluorobenzene
Concen: 53.434 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063343.D
Acq: 14 Sep 2020 15:19

Tgt Ion: 95 Resp: 342525
Ion Ratio Lower Upper
95 100
174 71.5 0.0 136.6
176 68.5 0.0 132.8

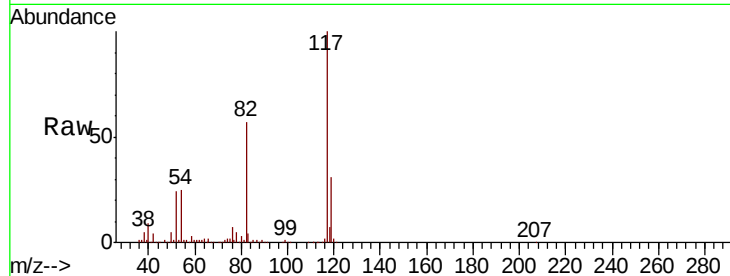




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063343.D
Acq: 14 Sep 2020 15:19

Instrument :
MSVOA_N
ClientSampleId :
B18-7-9ME

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.0	46.4	69.6
119	31.1	24.8	37.2

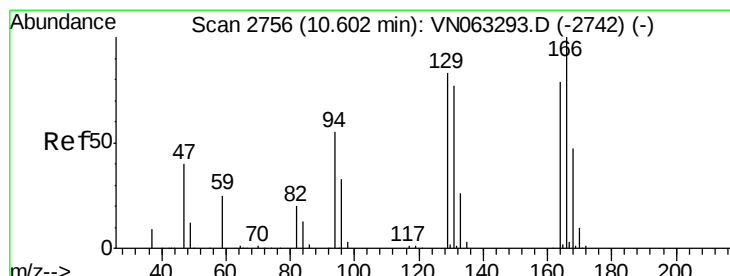
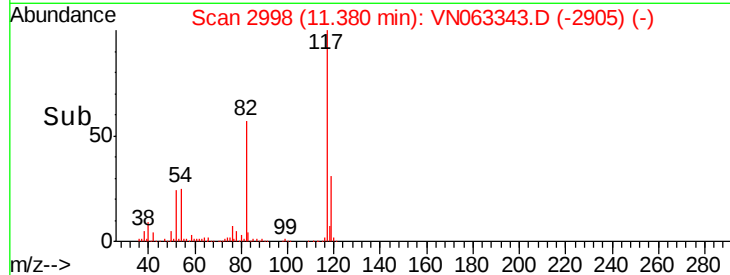
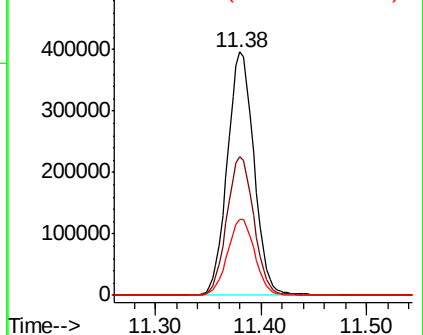


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 37.818 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063343.D
Acq: 14 Sep 2020 15:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	101.3	151.9
129	100.2	83.7	125.5
131	98.7	78.2	117.4

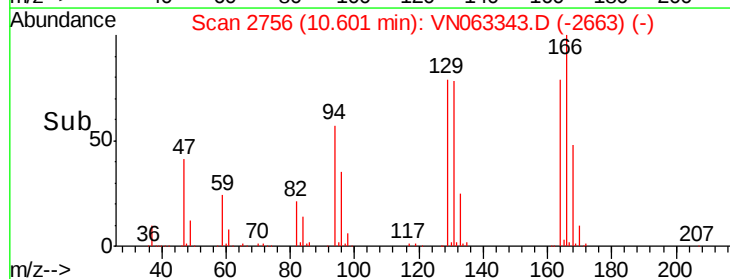
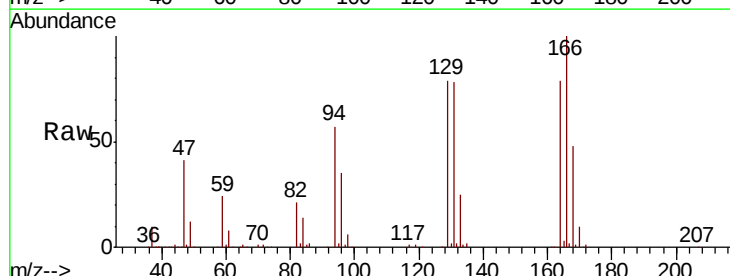
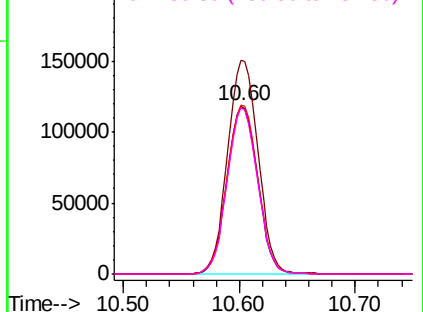
Abundance

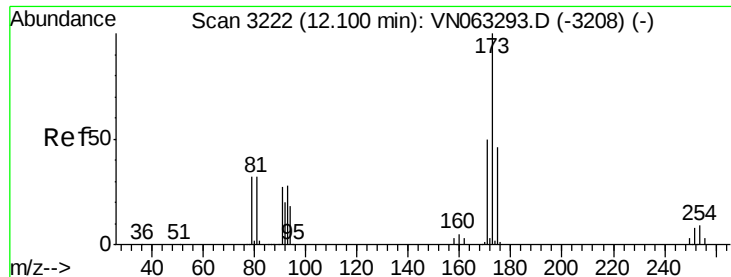
Ion 163.80 (163.50 to 164.50): V

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





#71

Bromoform

Concen: 0.285 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.28 min

Lab File: VN063343.D

Acq: 14 Sep 2020 15:19

Instrument :

MSVOA_N

ClientSampleId :

B18-7-9ME

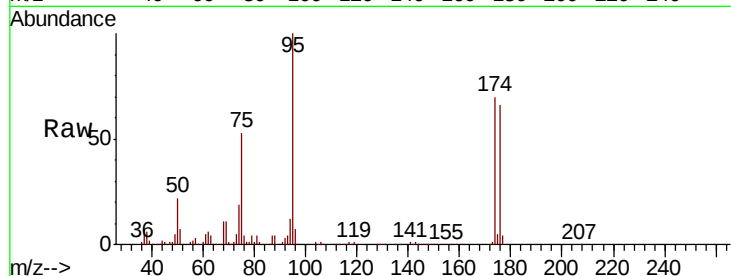
Tot Ion:173 Resp: 1076

Ion Ratio Lower Upper

173 100

175 1370.0 23.8 71.5#

254 0.0 0.0 0.0

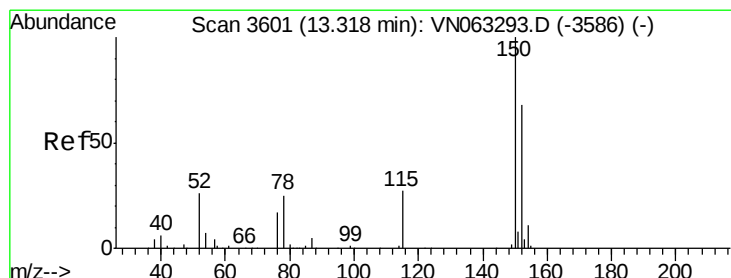
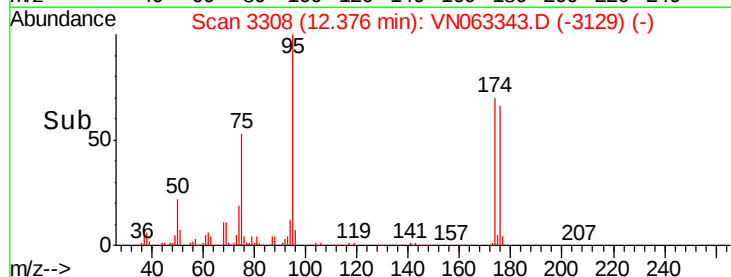
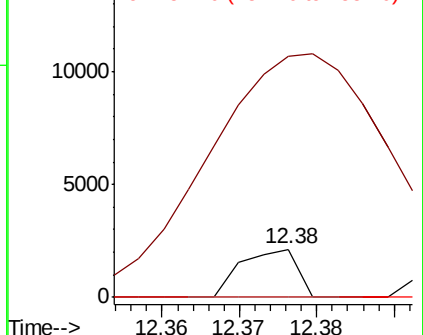


Abundance

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: VN063343.D

Acq: 14 Sep 2020 15:19

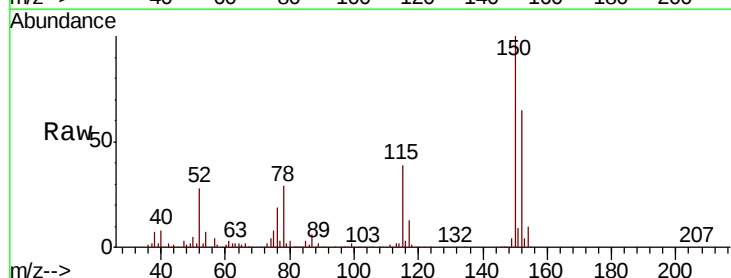
Tgt Ion:152 Resp: 292598

Ion Ratio Lower Upper

152 100

115 63.1 31.5 94.5

150 158.7 0.0 344.0

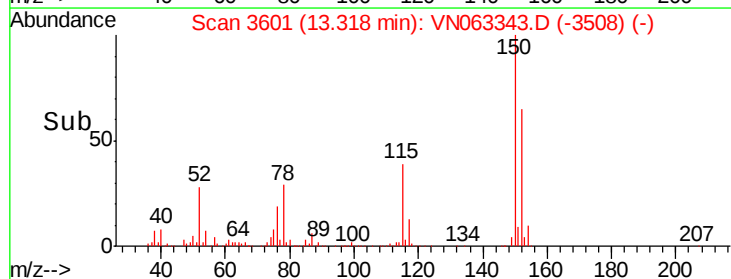
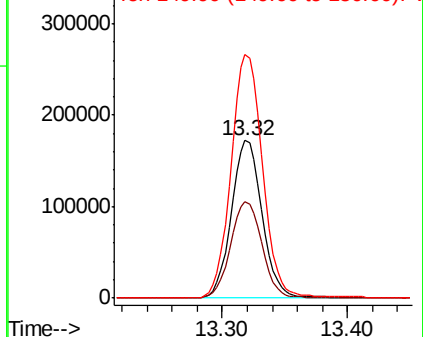


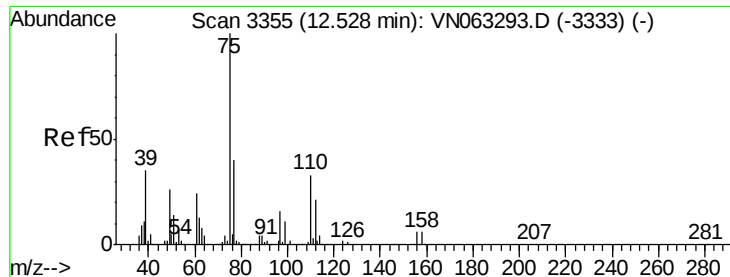
Abundance

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: 28.377 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063343.D

Acq: 14 Sep 2020 15:19

Instrument :

MSVOA_N

ClientSampleId :

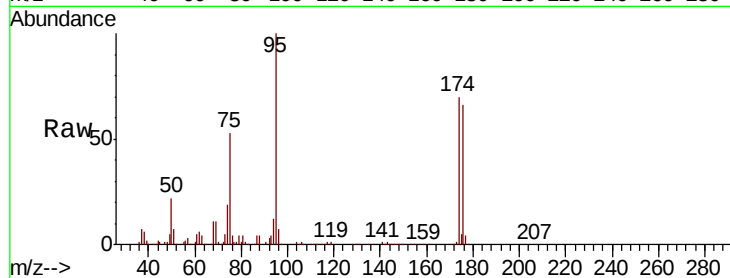
B18-7-9ME

Tot Ion: 75 Resp: 183175

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

12.38

120000

100000

80000

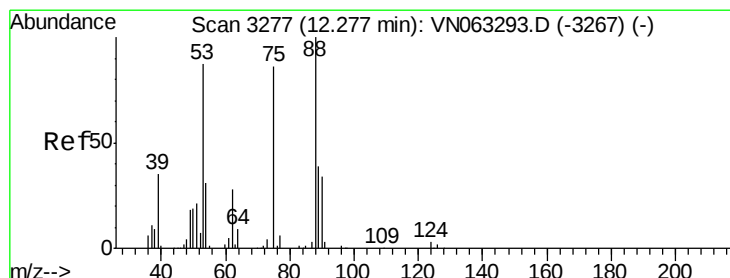
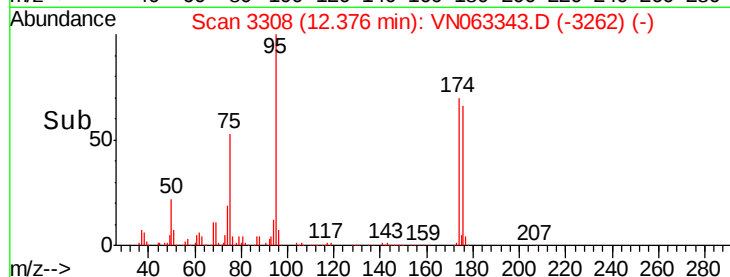
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 76.242 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063343.D

Acq: 14 Sep 2020 15:19

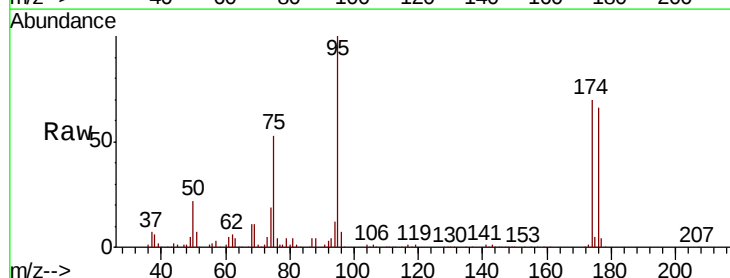
Tgt Ion: 75 Resp: 183175

Ion Ratio Lower Upper

75 100

53 0.0 81.8 122.8#

89 0.0 36.7 55.1#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

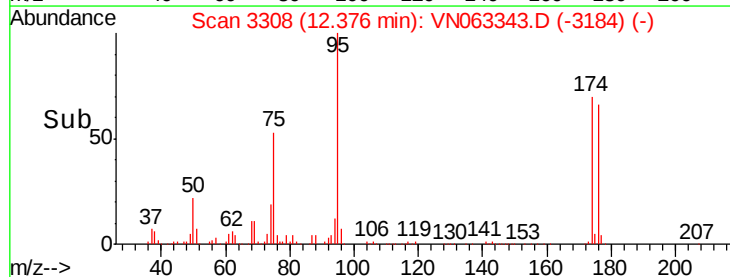
12.38

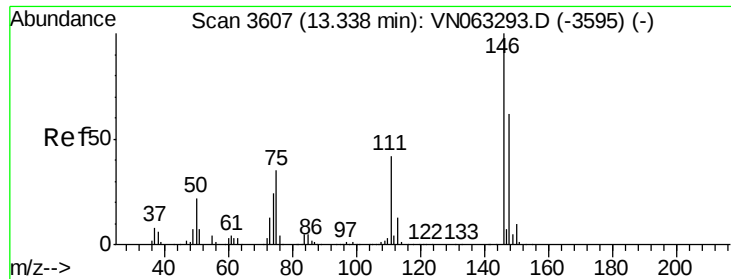
100000

50000

0

Time-->

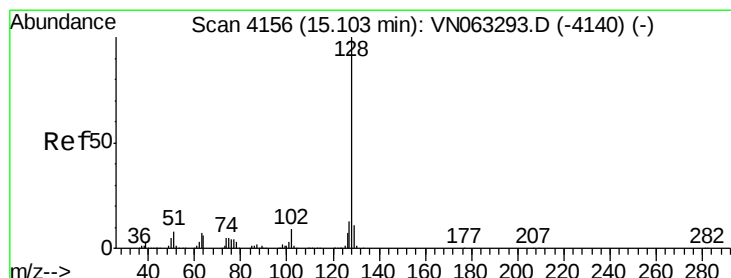
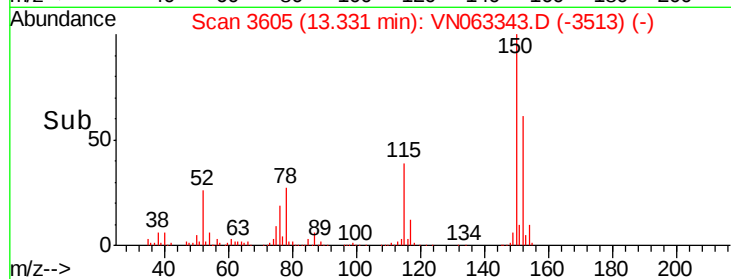
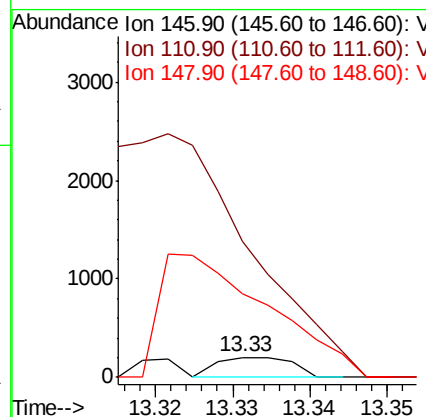
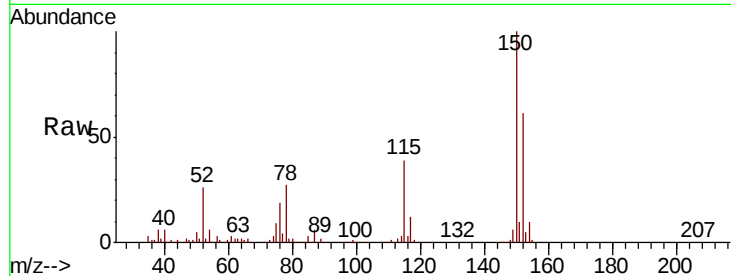




#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.33 min Scan# 3605
 Delta R.T. -0.01 min
 Lab File: VN063343.D
 Acq: 14 Sep 2020 15:19

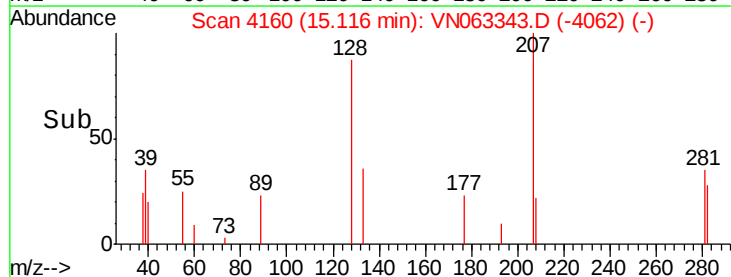
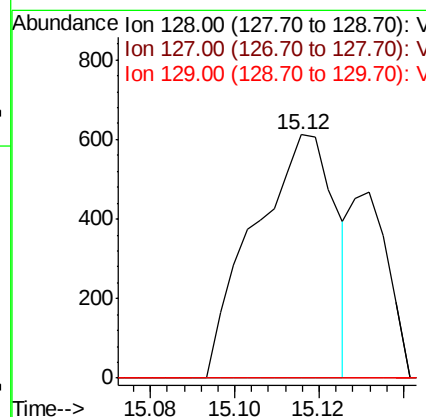
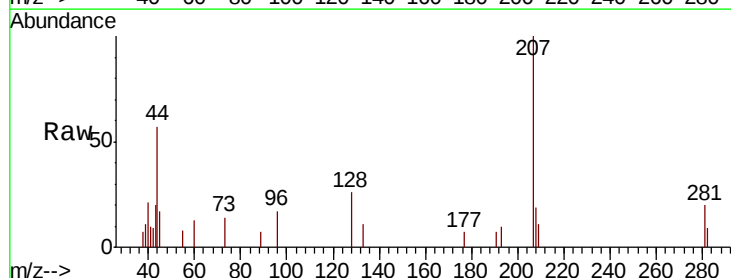
Instrument :
 MSVOA_N
 ClientSampleId :
 B18-7-9ME

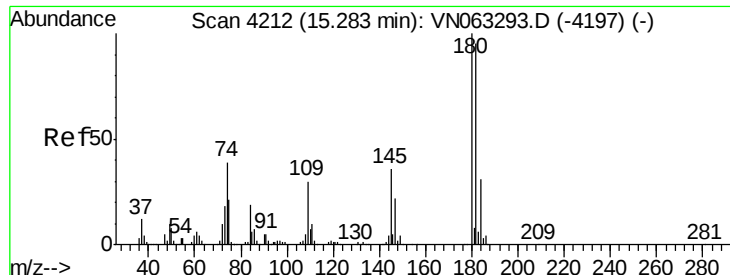
Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.3	64.0#
148	0.0	31.5	94.5#



#95
 Naphthalene
 Concen: Below Cal
 RT: 15.12 min Scan# 4160
 Delta R.T. 0.01 min
 Lab File: VN063343.D
 Acq: 14 Sep 2020 15:19

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.6	12.8#





#96

1,2,3-Trichlorobenzene

Concen: Below Cal

RT: 15.29 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN063343.D

Acq: 14 Sep 2020 15:19

Instrument :

MSVOA_N

ClientSampleId :

B18-7-9ME

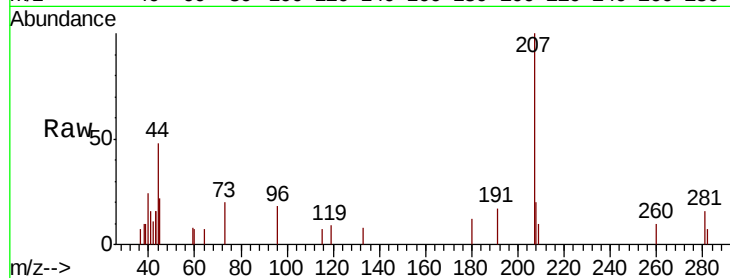
Tot Ion:180 Resp: 217

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

