

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091420\
 Data File : VN063342.D
 Acq On : 14 Sep 2020 14:55
 Operator : JC/MD
 Sample : L3981-05ME 20X
 Misc : 8.35g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 B18-4-6ME

Quant Time: Sep 15 05:10:32 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	392254	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	730823	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	711094	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	293747	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	303641	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
35) Dibromofluoromethane	7.55	113	232682	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
50) Toluene-d8	10.06	98	930247	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	
62) 4-Bromofluorobenzene	12.38	95	350826	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	

Target Compounds

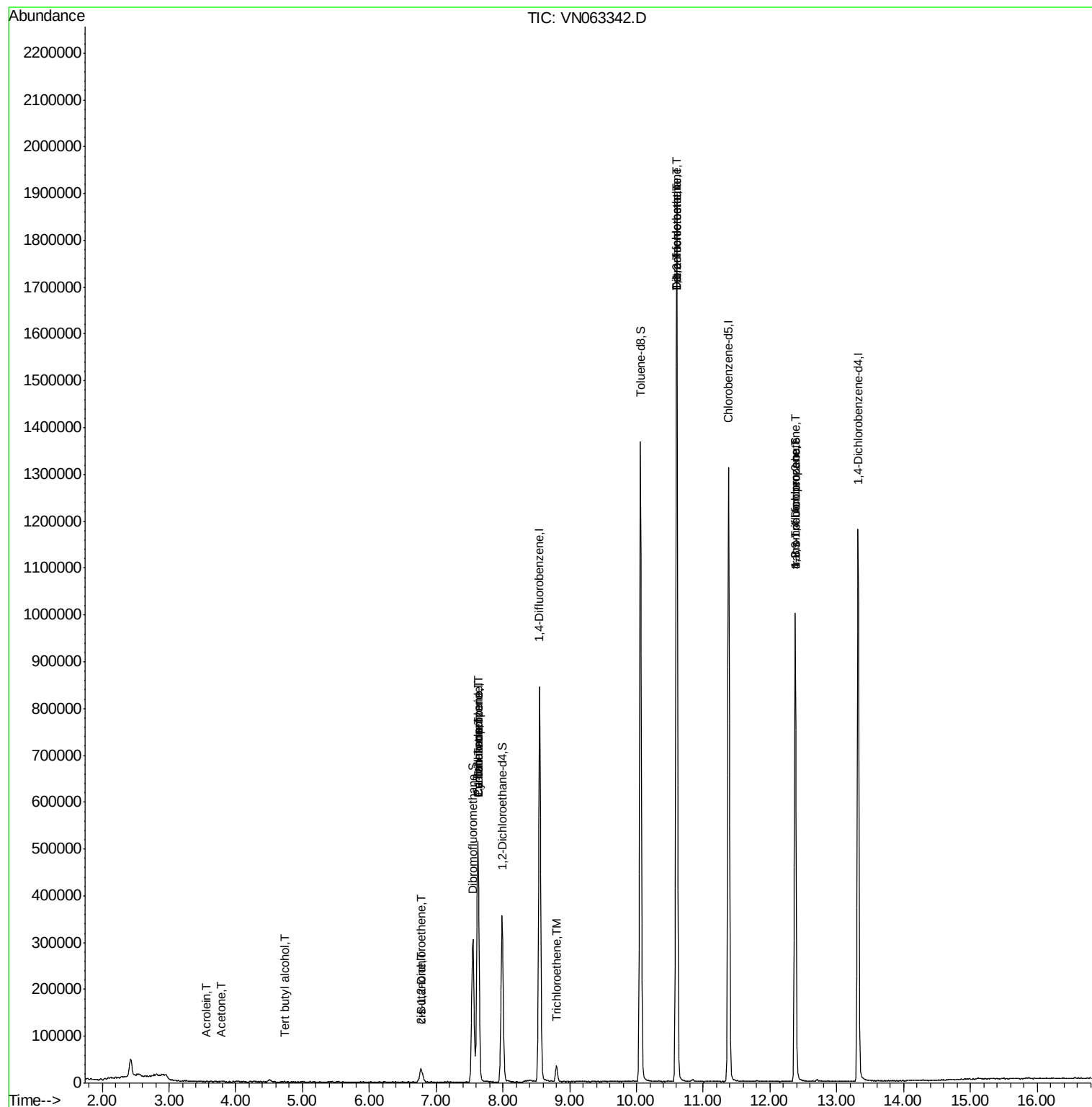
						Qvalue
3) Chloromethane	2.03	50	1712	Below Cal	#	84
11) Tert butyl alcohol	4.73	59	398	0.488	ug/l #	94
13) Acrolein	3.54	56	109	32.671	ug/l	85
16) Acetone	3.77	43	632	0.297	ug/l #	46
17) Carbon Disulfide	4.01	76	470	Below Cal	#	75
20) Methylene Chloride	4.51	84	2779	Below Cal	#	69
25) 2-Butanone	6.78	43	824	0.262	ug/l #	51
27) cis-1,2-Dichloroethene	6.78	96	5111	0.912	ug/l	85
31) Cyclohexane	7.63	56	10768	1.246	ug/l #	27
36) 1,1-Dichloropropene	7.62	75	34838	4.638	ug/l #	50
38) Carbon Tetrachloride	7.62	117	42317	5.724	ug/l #	16
44) Trichloroethene	8.80	130	11253	2.006	ug/l	96
55) 1,1,2-Trichloroethane	10.60	97	3894	0.759	ug/l #	1
60) Dibromochloromethane	10.60	129	385098	68.318	ug/l #	10
64) Tetrachloroethene	10.60	164	398669	68.438	ug/l	99
76) 1,2,3-Trichloropropane	12.38	75	188070	29.021	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	188070	77.974	ug/l #	9
88) 1,4-Dichlorobenzene	13.34	146	278	Below Cal	#	1
95) Naphthalene	15.12	128	1820	Below Cal	#	75

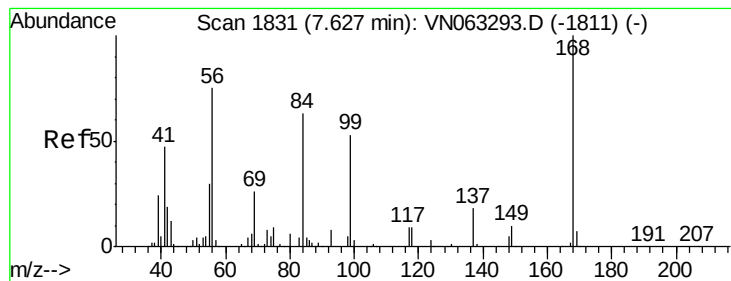
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN063342.D

Acq: 14 Sep 2020 14:55

Instrument :

MSVOA_N

ClientSampled :

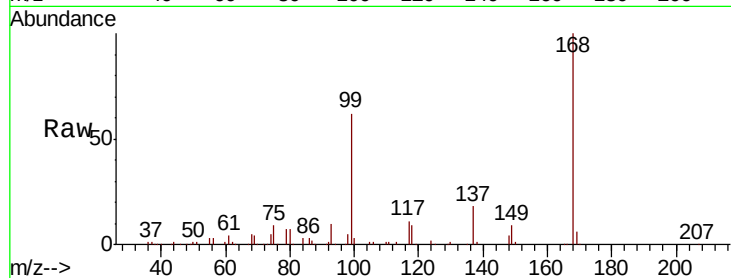
B18-4-6ME

Tot Ion:168 Resp: 392254

Ion Ratio Lower Upper

168 100

99 62.2 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): VN063342.D (-1738) (-)

Ion 98.90 (98.60 to 99.60): VN063342.D (-1738) (-)

7.63

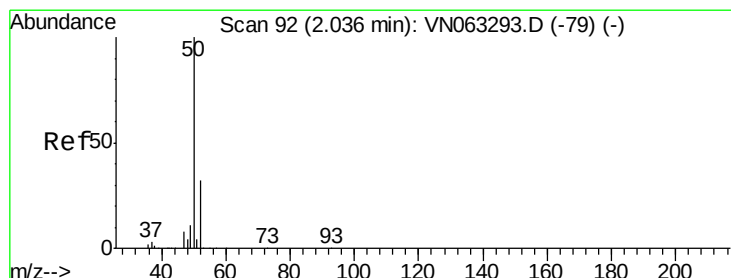
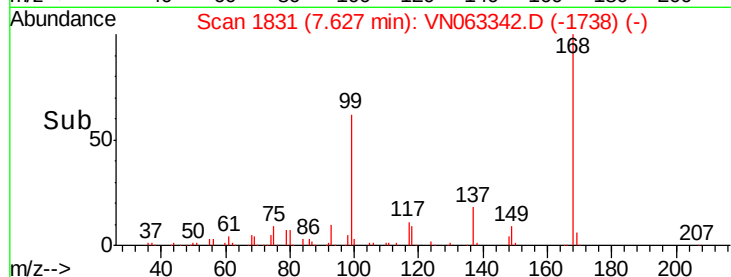
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 90

Delta R.T. -0.01 min

Lab File: VN063342.D

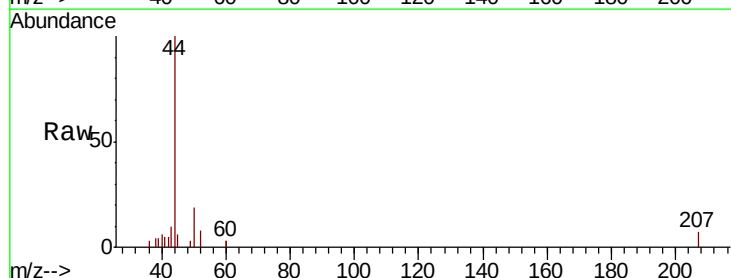
Acq: 14 Sep 2020 14:55

Tgt Ion: 50 Resp: 1712

Ion Ratio Lower Upper

50 100

52 40.7 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VN063342.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN063342.D (-1) (-)

2.03

1000

800

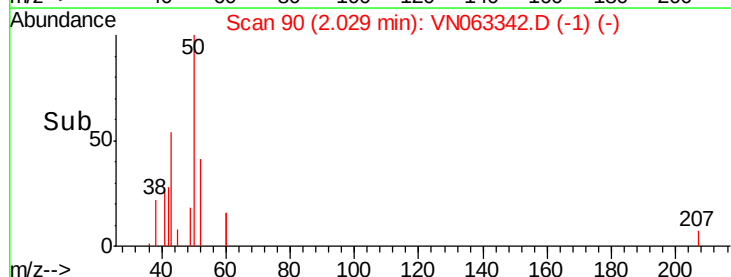
600

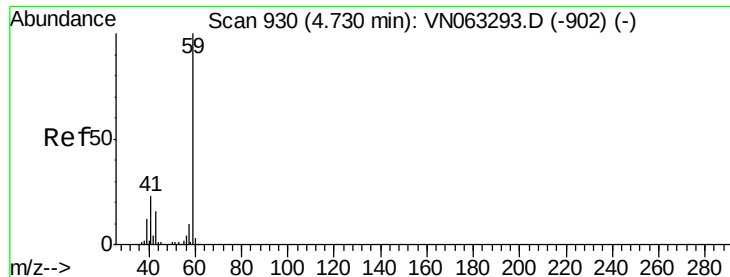
400

200

0

Time--> 2.00 2.02 2.04 2.06

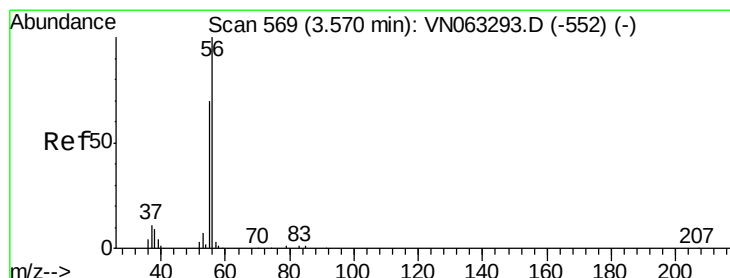
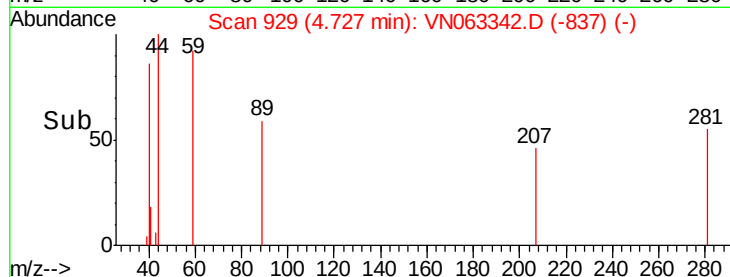
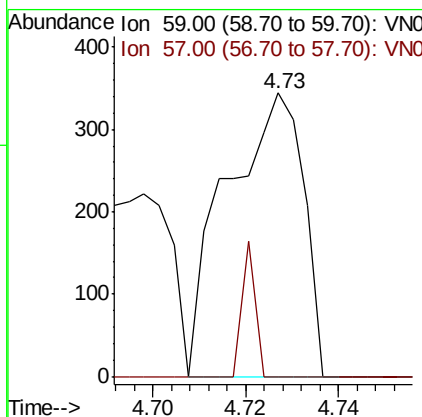
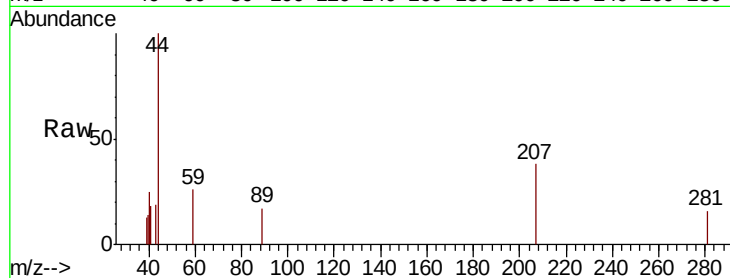




#11
Tert butyl alcohol
Concen: 0.488 ug/l
RT: 4.73 min Scan# 929
Delta R.T. -0.00 min
Lab File: VN063342.D
Acq: 14 Sep 2020 14:55

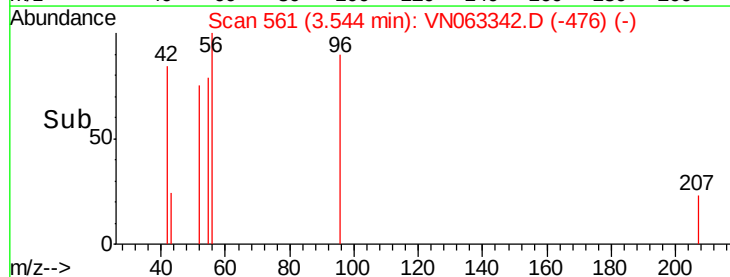
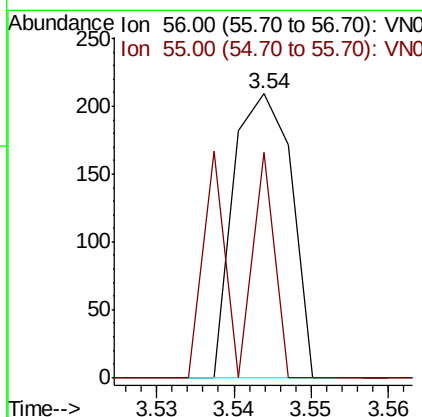
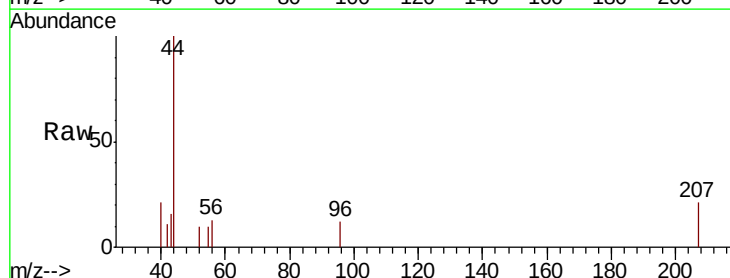
Instrument :
MSVOA_N
ClientSampleId :
B18-4-6ME

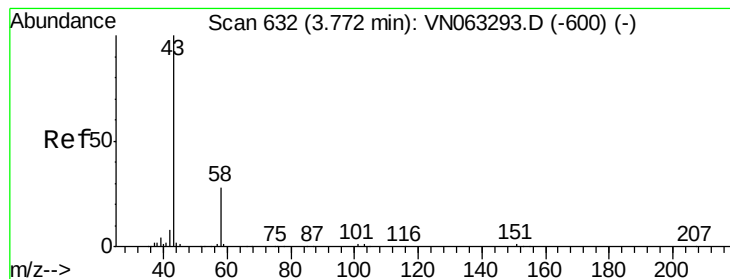
Tot Ion: 59 Resp: 398
Ion Ratio Lower Upper
59 100
57 8.0 8.3 12.5#



#13
Acrolein
Concen: 32.671 ug/l
RT: 3.54 min Scan# 561
Delta R.T. -0.03 min
Lab File: VN063342.D
Acq: 14 Sep 2020 14:55

Tgt Ion: 56 Resp: 109
Ion Ratio Lower Upper
56 100
55 58.7 57.2 85.8





#16

Acetone

Concen: 0.297 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.00 min

Lab File: VN063342.D

Acq: 14 Sep 2020 14:55

Instrument :

MSVOA_N

ClientSampleId :

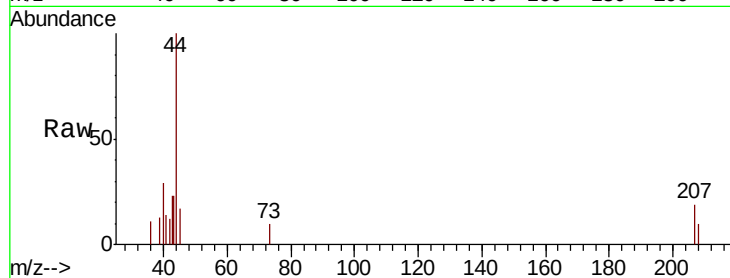
B18-4-6ME

Tot Ion: 43 Resp: 632

Ion Ratio Lower Upper

43 100

58 0.0 22.6 34.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

800

600

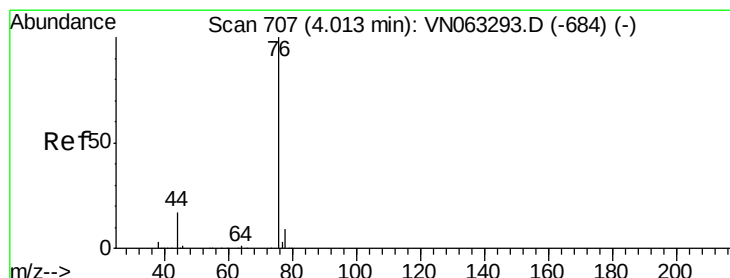
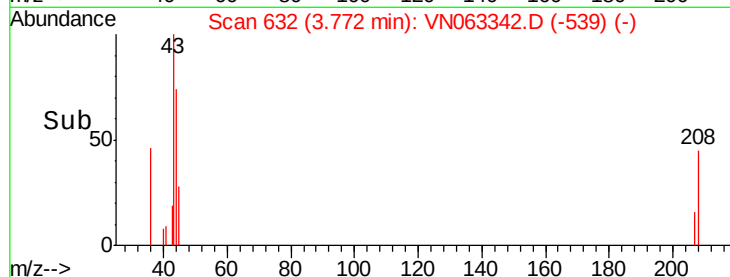
400

200

0

3.74 3.76 3.78

Time-->



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN063342.D

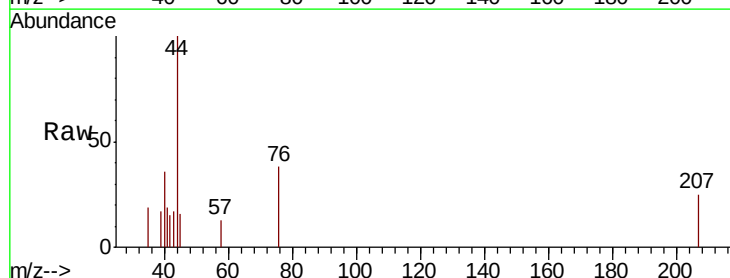
Acq: 14 Sep 2020 14:55

Tgt Ion: 76 Resp: 470

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

500

400

300

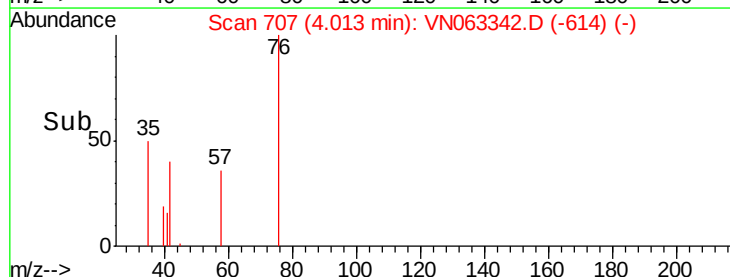
200

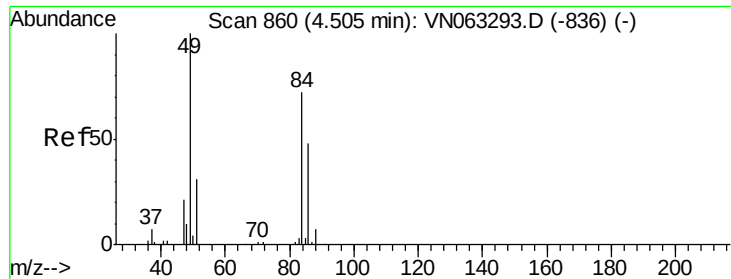
100

0

3.98 4.00 4.02

Time-->

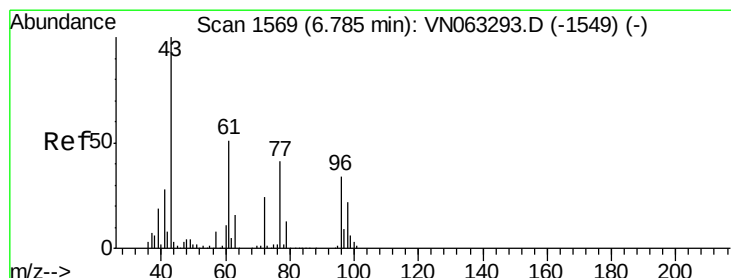
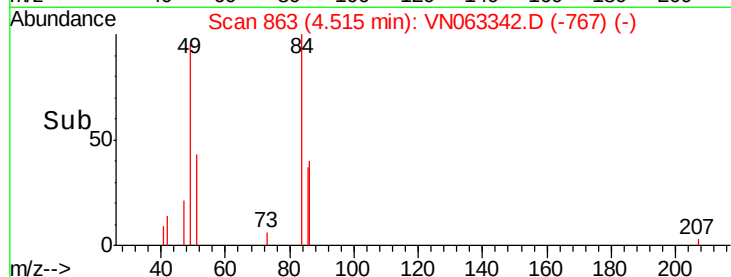
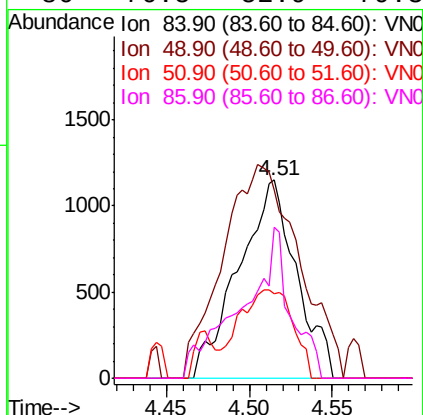
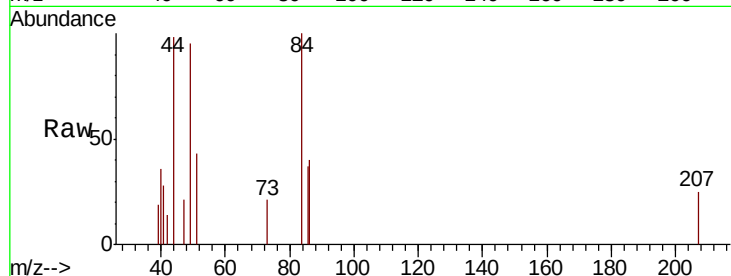




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.51 min Scan# 863
Delta R.T. 0.01 min
Lab File: VN063342.D
Acq: 14 Sep 2020 14:55

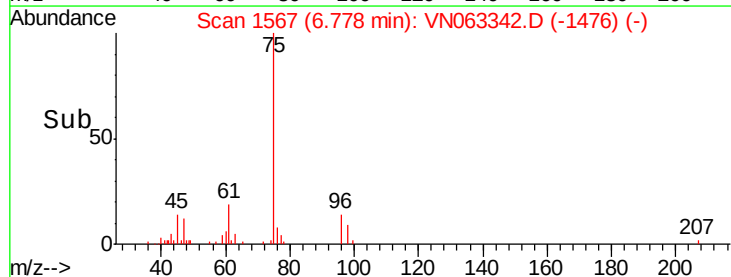
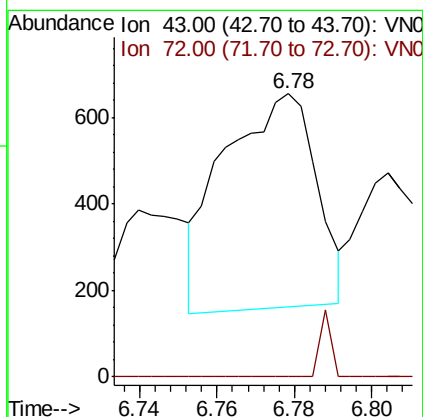
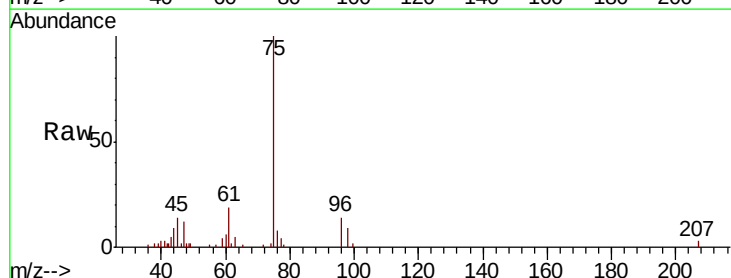
Instrument :
MSVOA_N
ClientSampleId :
B18-4-6ME

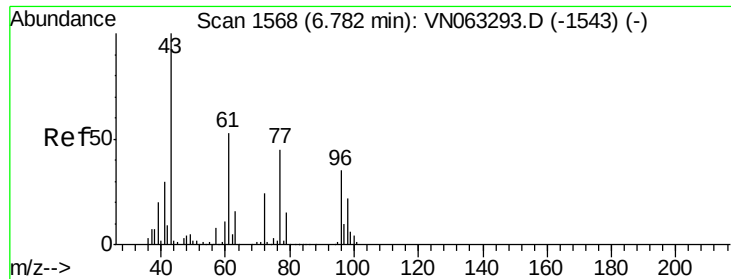
Tot Ion: 84 Resp: 2779
Ion Ratio Lower Upper
84 100
49 79.9 111.1 166.7#
51 42.5 34.3 51.5
86 76.5 52.9 79.3



#25
2-Butanone
Concen: 0.262 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VN063342.D
Acq: 14 Sep 2020 14:55

Tgt Ion: 43 Resp: 824
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#





#27

cis-1,2-Dichloroethene

Concen: 0.912 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN063342.D

Acq: 14 Sep 2020 14:55

Instrument :

MSVOA_N

ClientSampleId :

B18-4-6ME

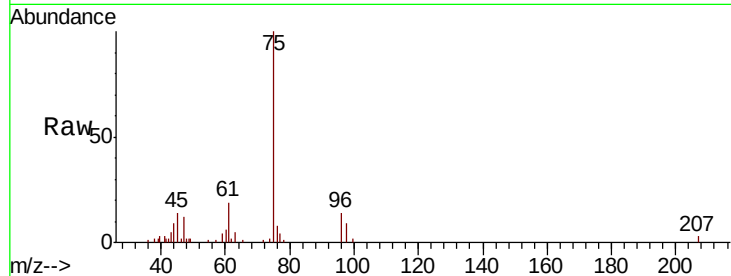
Tot Ion: 96 Resp: 5111

Ion Ratio Lower Upper

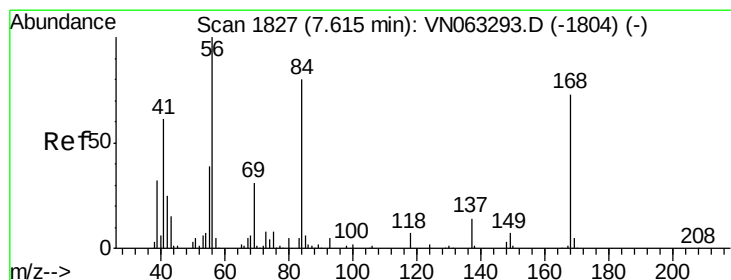
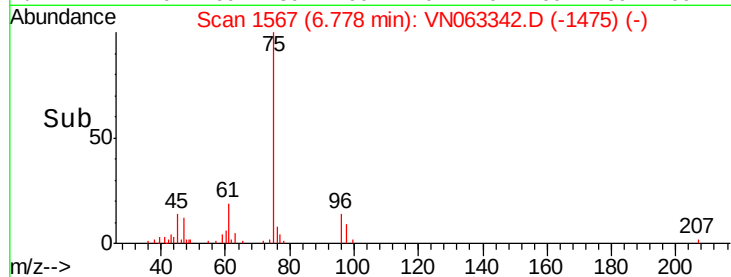
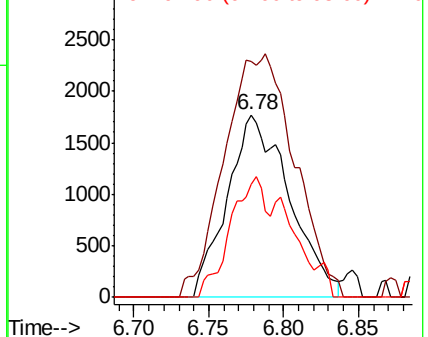
96 100

61 151.0 0.0 322.8

98 39.2 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: 1.246 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN063342.D

Acq: 14 Sep 2020 14:55

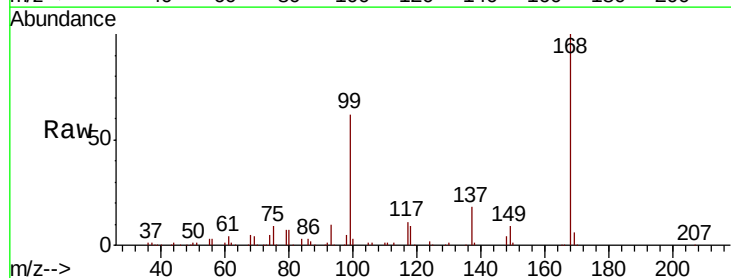
Tgt Ion: 56 Resp: 10768

Ion Ratio Lower Upper

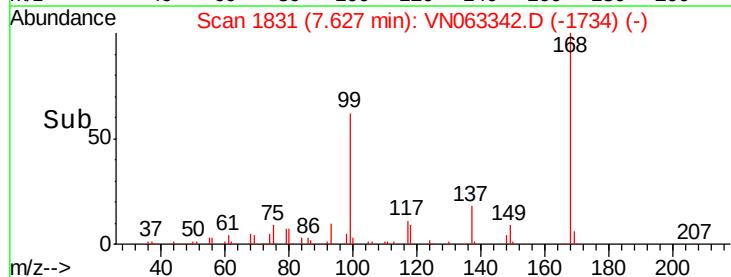
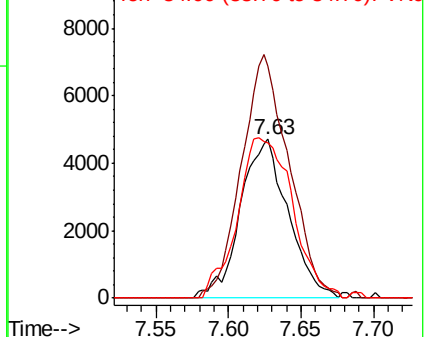
56 100

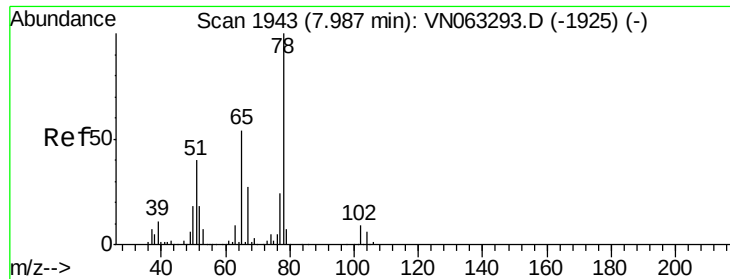
69 146.2 25.1 37.7#

84 97.5 64.2 96.2#



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

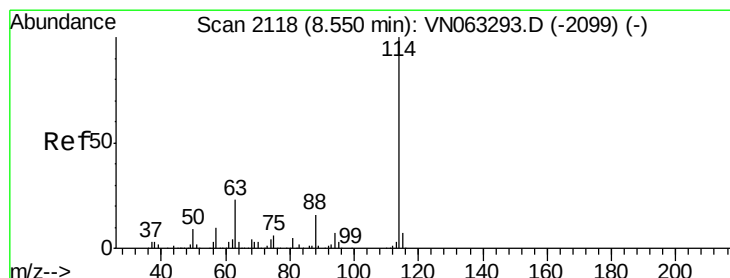
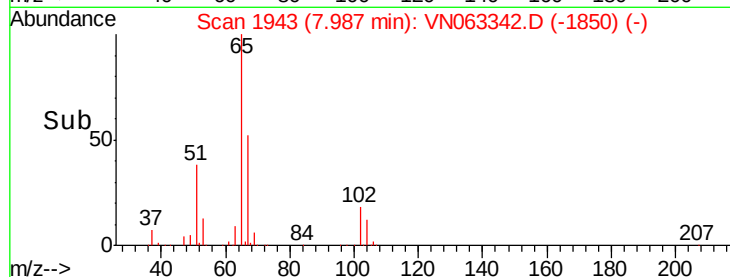
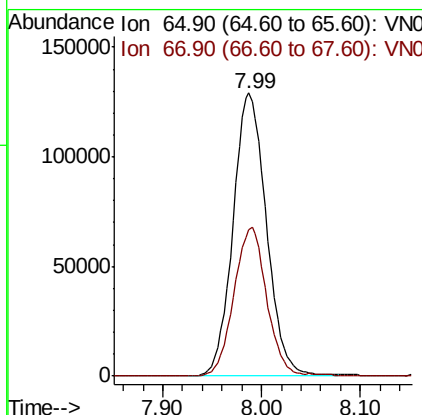
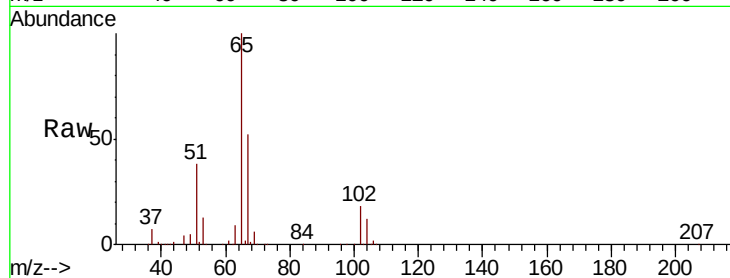




#33
 1,2-Dichloroethane-d4
 Concen: 49.270 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063342.D
 Acq: 14 Sep 2020 14:55

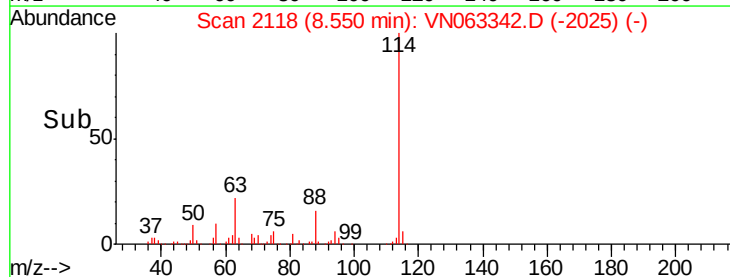
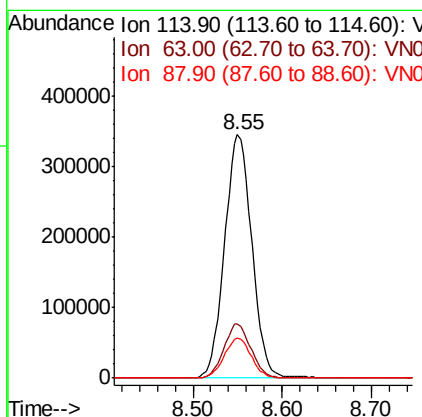
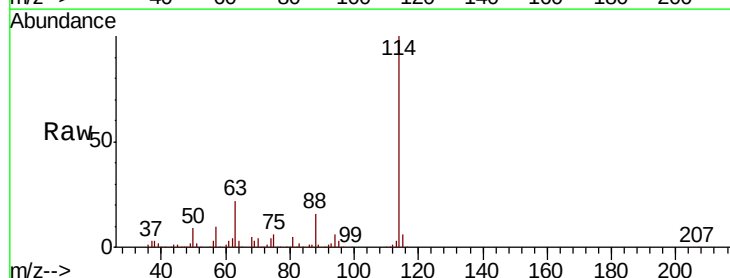
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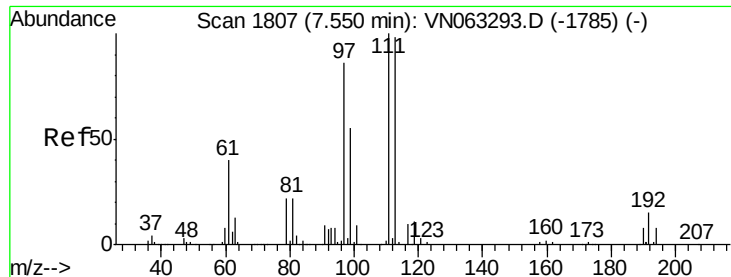
Tot Ion: 65 Resp: 303641
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063342.D
 Acq: 14 Sep 2020 14:55

Tgt Ion: 114 Resp: 730823
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 46.0
 88 16.3 0.0 32.8

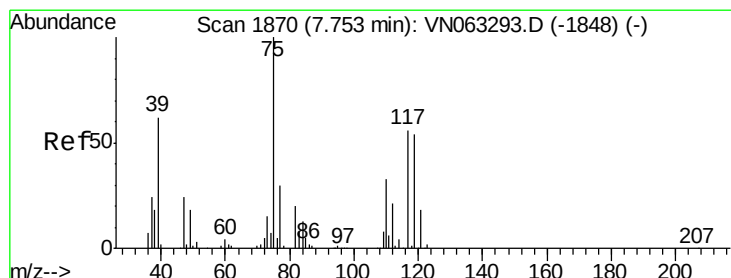
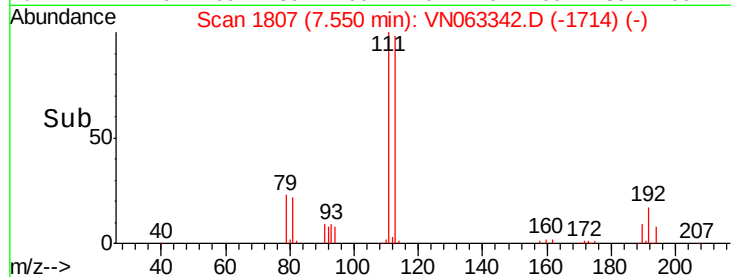
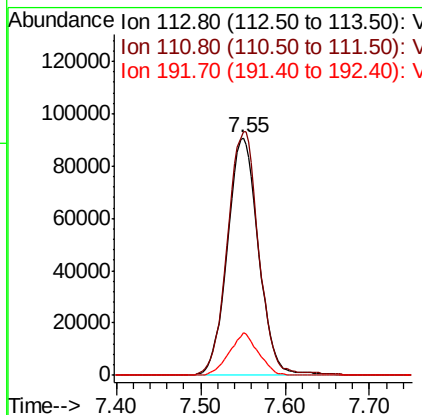
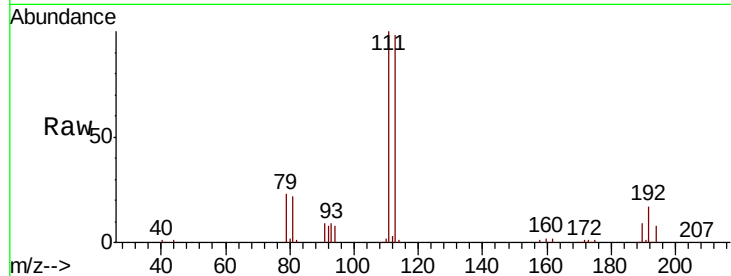




#35
 Dibromofluoromethane
 Concen: 49.352 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VN063342.D
 Acq: 14 Sep 2020 14:55

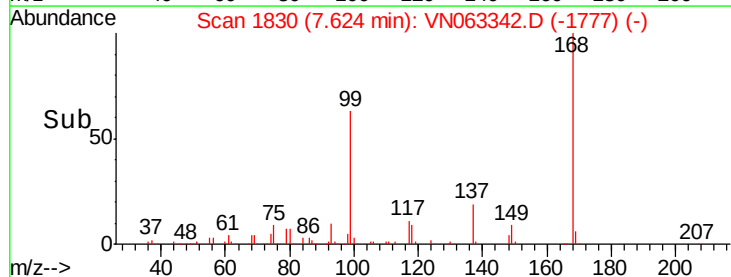
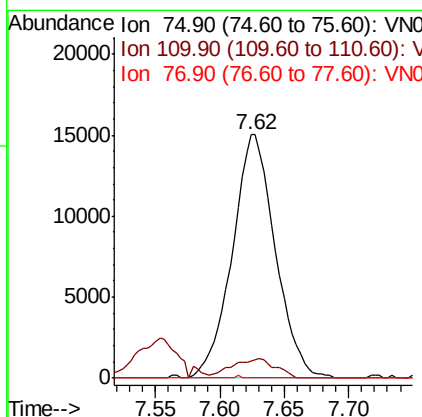
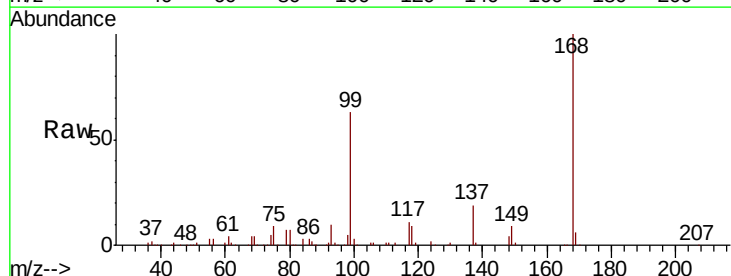
Instrument :
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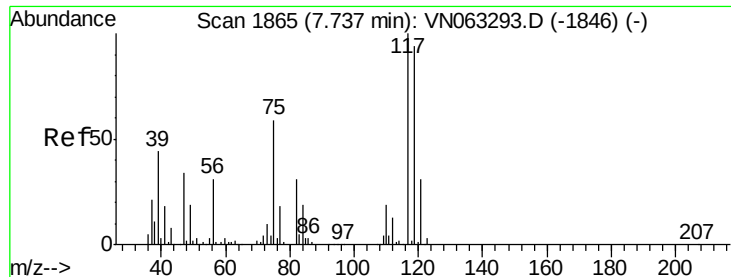
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.2	123.2
192	16.7	12.9	19.3



#36
 1,1-Dichloropropene
 Concen: 4.638 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN063342.D
 Acq: 14 Sep 2020 14:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	16.4	49.4#
77	0.1	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 5.724 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN063342.D

Acq: 14 Sep 2020 14:55

Instrument :

MSVOA_N

ClientSampleId :

B18-4-6ME

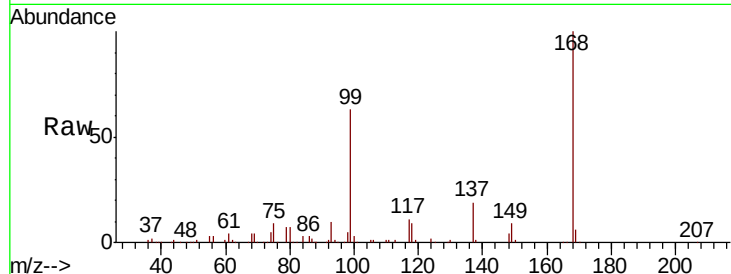
Tot Ion:117 Resp: 42317

Ion Ratio Lower Upper

117 100

119 4.6 75.3 112.9#

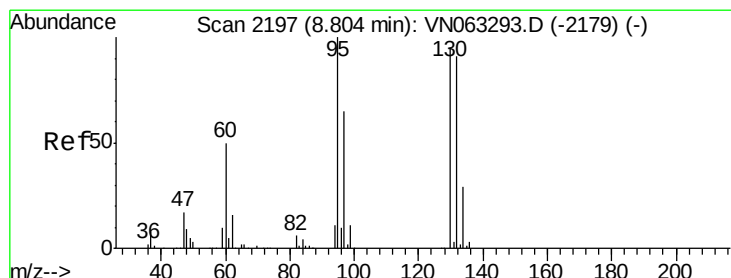
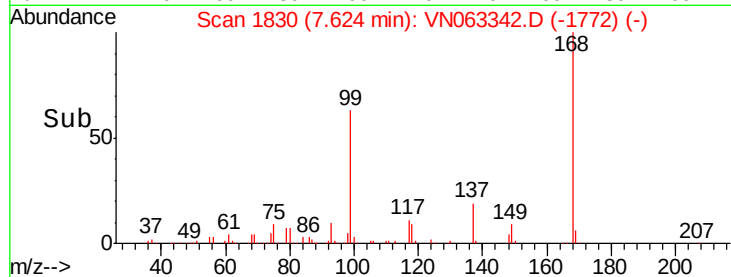
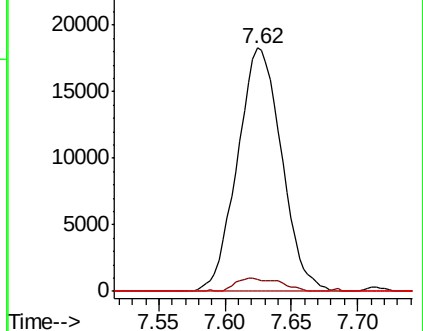
121 0.0 24.6 37.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 2.006 ug/l

RT: 8.80 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN063342.D

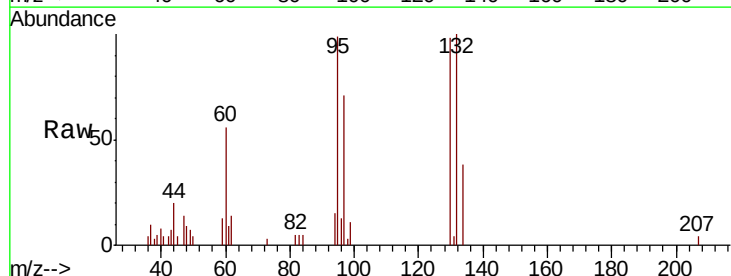
Acq: 14 Sep 2020 14:55

Tgt Ion:130 Resp: 11253

Ion Ratio Lower Upper

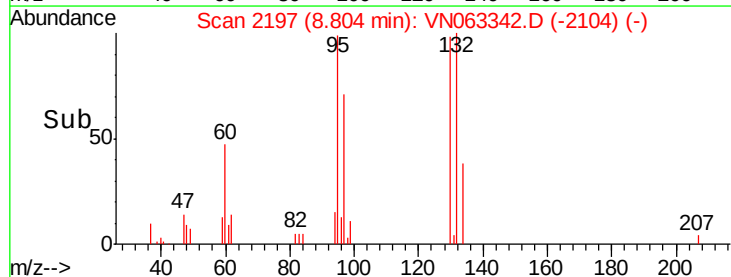
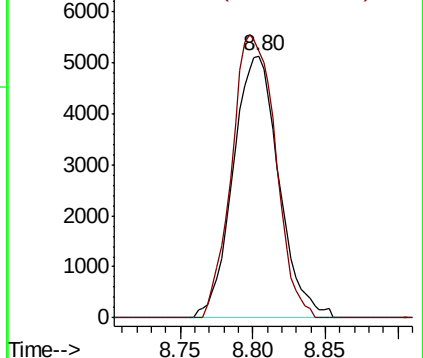
130 100

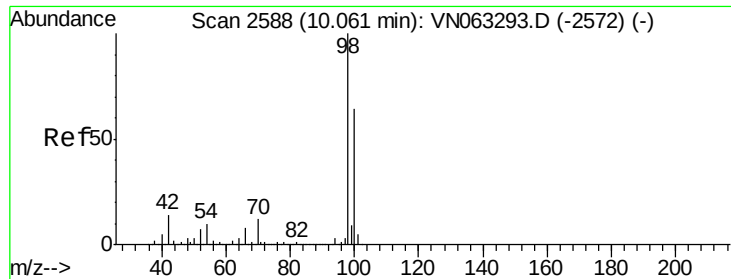
95 101.8 0.0 210.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

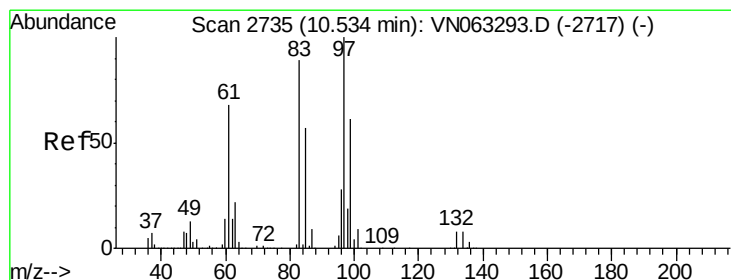
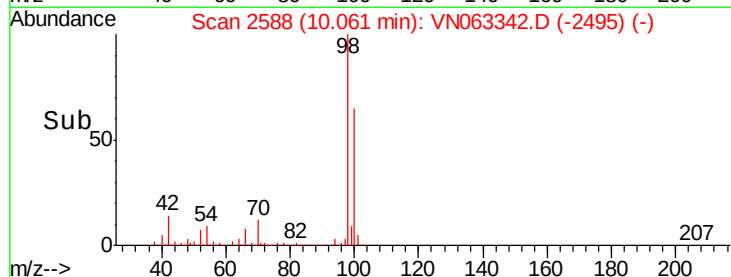
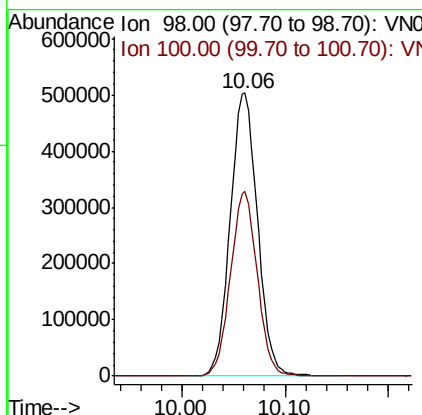
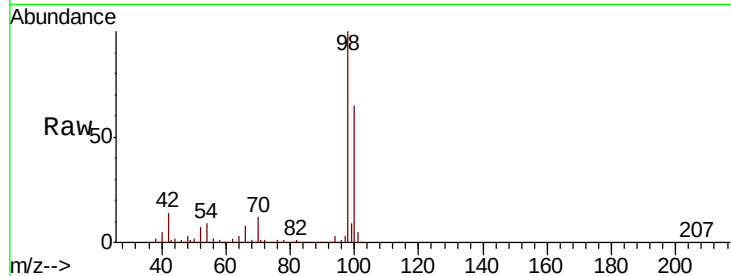




#50
Toluene-d8
Concen: 51.486 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. -0.00 min
Lab File: VN063342.D
Acq: 14 Sep 2020 14:55

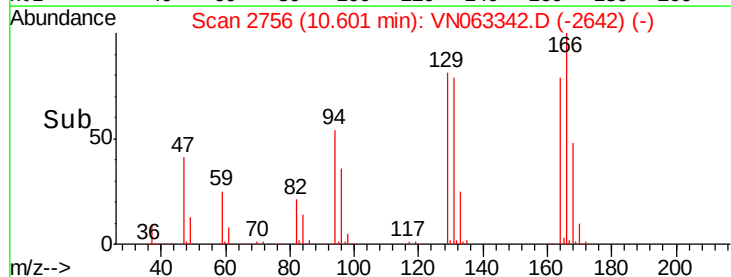
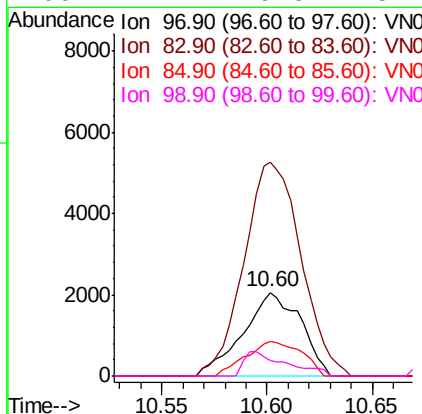
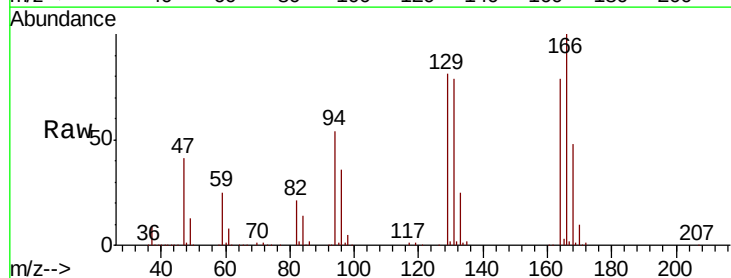
Instrument :
MSVOA_N
ClientSampled :
B18-4-6ME

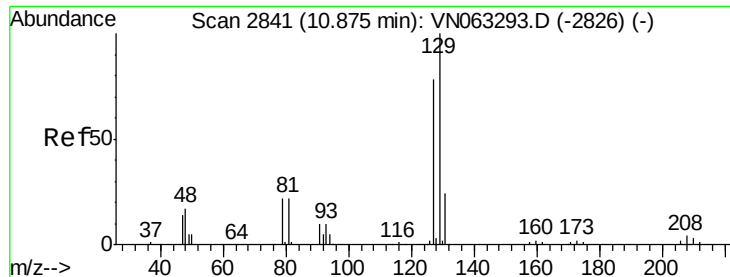
Tot Ion: 98 Resp: 930247
Ion Ratio Lower Upper
98 100
100 63.9 50.7 76.1



#55
1,1,2-Trichloroethane
Concen: 0.759 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.07 min
Lab File: VN063342.D
Acq: 14 Sep 2020 14:55

Tgt Ion: 97 Resp: 3894
Ion Ratio Lower Upper
97 100
83 256.7 70.8 106.2#
85 42.1 45.6 68.4#
99 17.7 49.0 73.4#

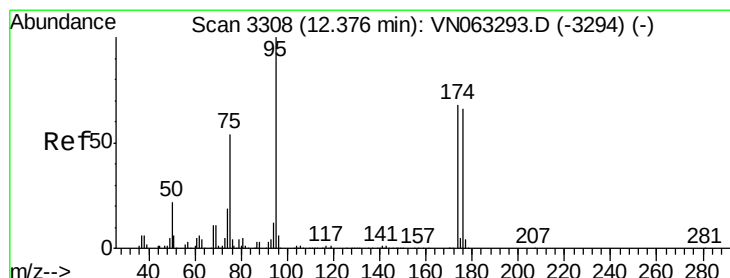
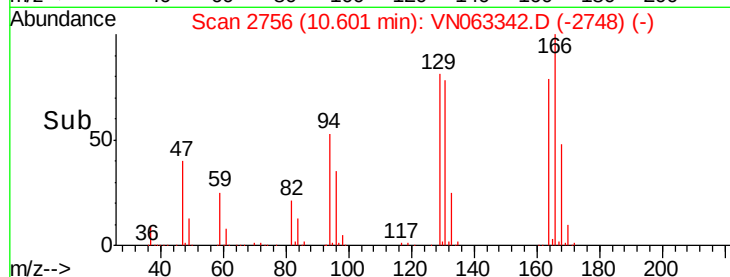
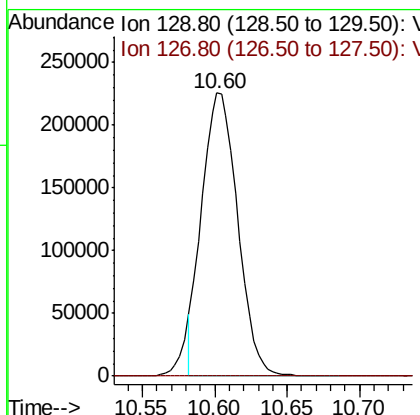
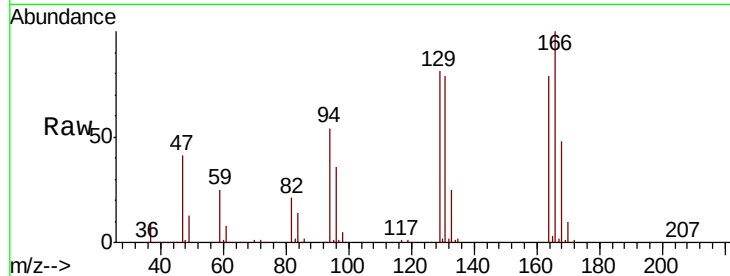




#60
 Dibromochloromethane
 Concen: 68.318 ug/l
 RT: 10.60 min Scan# 2756
 Delta R.T. -0.27 min
 Lab File: VN063342.D
 Acq: 14 Sep 2020 14:55

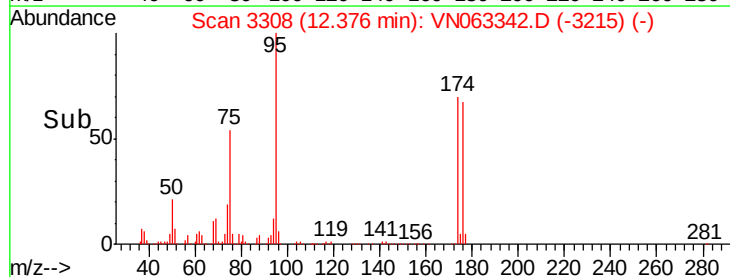
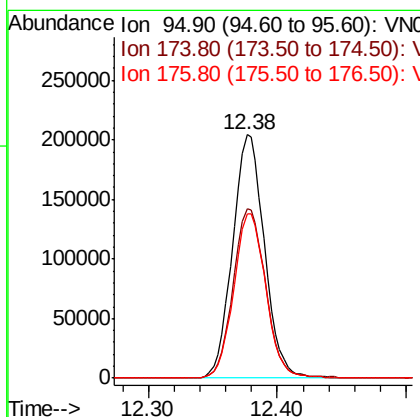
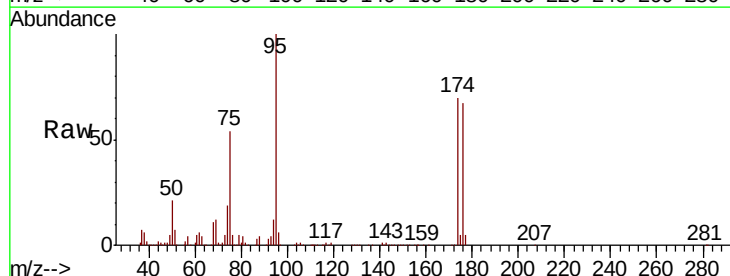
Instrument :
 MSVOA_N
 ClientSampleID :
 B18-4-6ME

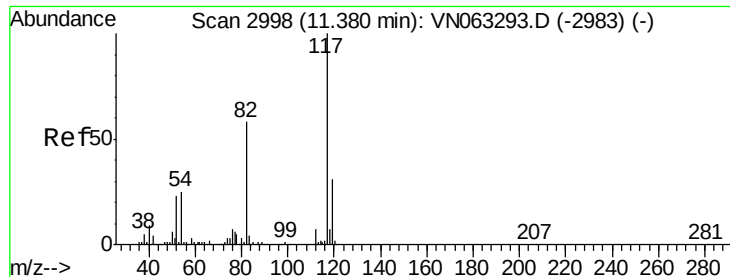
Tot Ion:129 Resp: 385098
 Ion Ratio Lower Upper
 129 100
 127 0.0 39.0 117.0#



#62
 4-Bromofluorobenzene
 Concen: 52.571 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063342.D
 Acq: 14 Sep 2020 14:55

Tgt Ion: 95 Resp: 350826
 Ion Ratio Lower Upper
 95 100
 174 70.9 0.0 136.6
 176 68.0 0.0 132.8

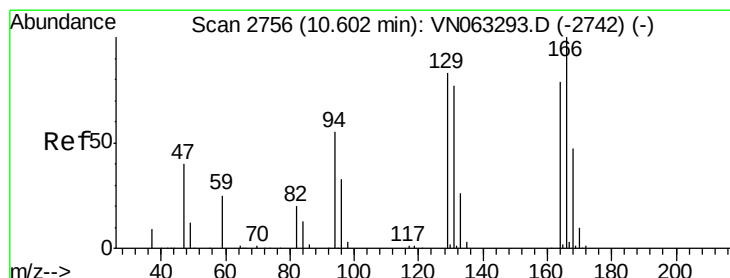
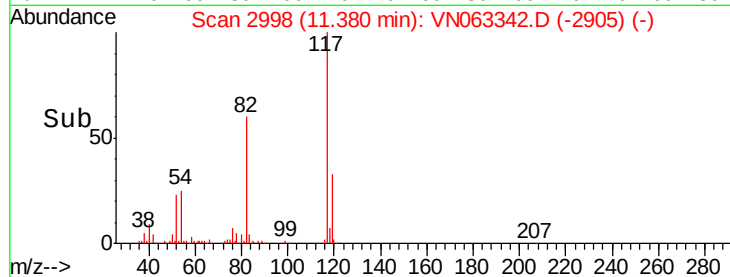
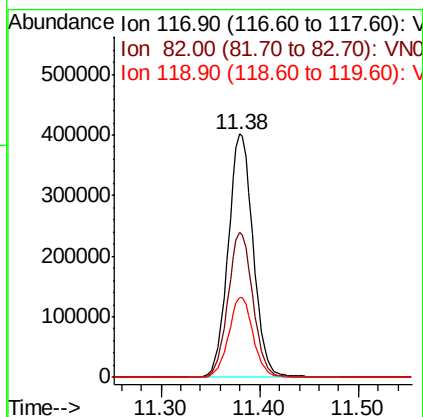
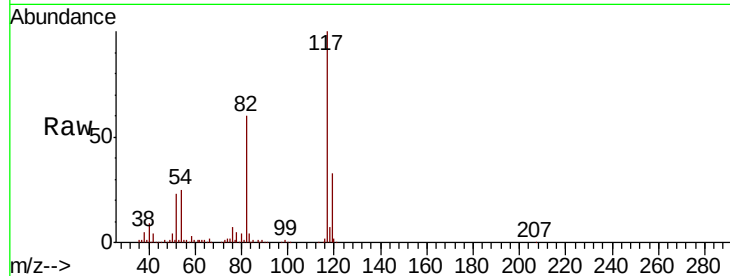




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063342.D
Acq: 14 Sep 2020 14:55

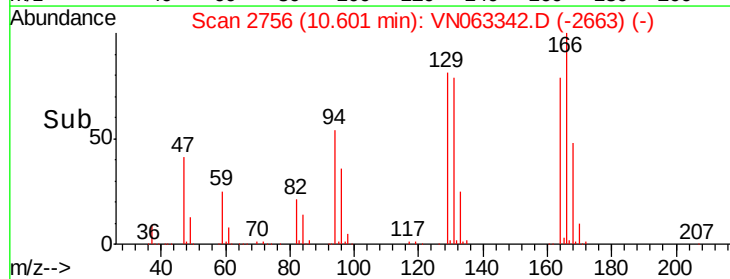
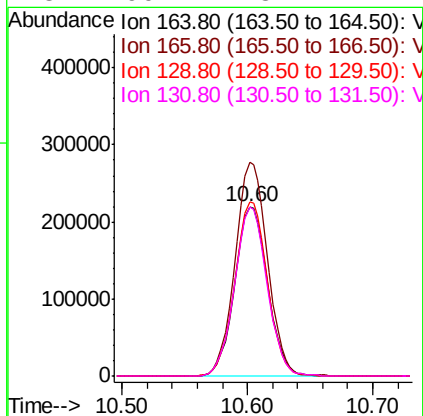
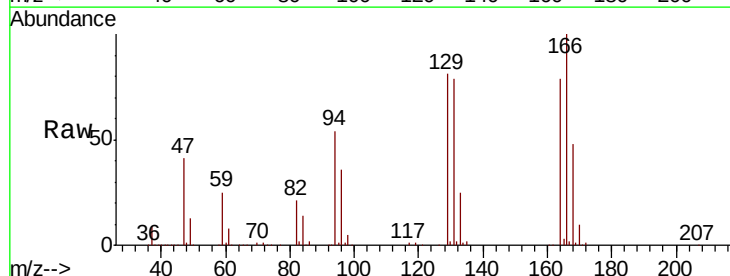
Instrument :
MSVOA_N
ClientSampled :
B18-4-6ME

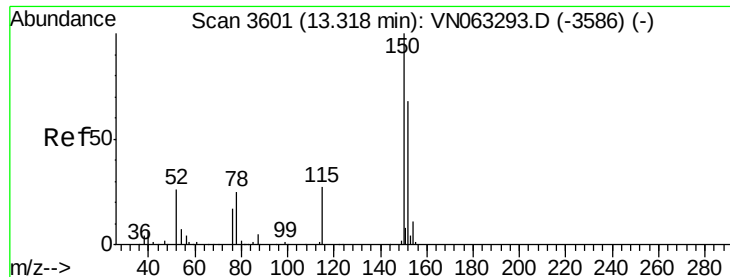
Tot Ion:117 Resp: 711094
Ion Ratio Lower Upper
117 100
82 59.7 46.4 69.6
119 32.9 24.8 37.2



#64
Tetrachloroethene
Concen: 68.438 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063342.D
Acq: 14 Sep 2020 14:55

Tgt Ion:164 Resp: 398669
Ion Ratio Lower Upper
164 100
166 126.0 101.3 151.9
129 102.6 83.7 125.5
131 99.4 78.2 117.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063342.D

Acq: 14 Sep 2020 14:55

Instrument :

MSVOA_N

ClientSampleId :

B18-4-6ME

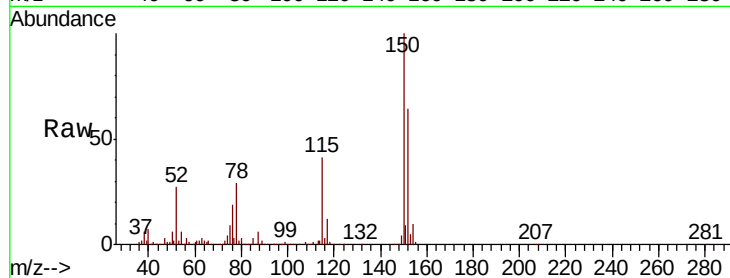
Tot Ion:152 Resp: 293747

Ion Ratio Lower Upper

152 100

115 64.5 31.5 94.5

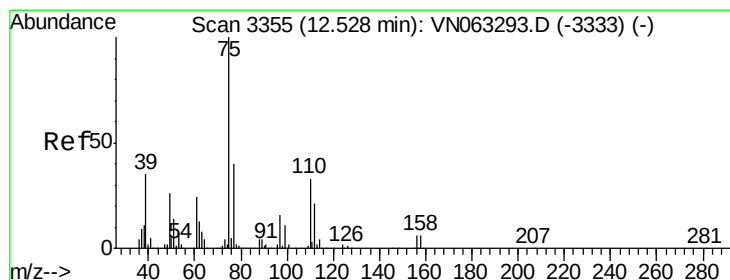
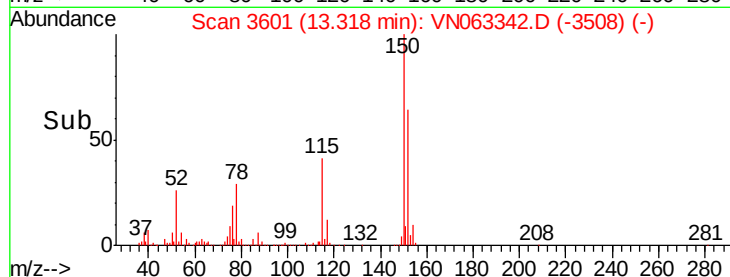
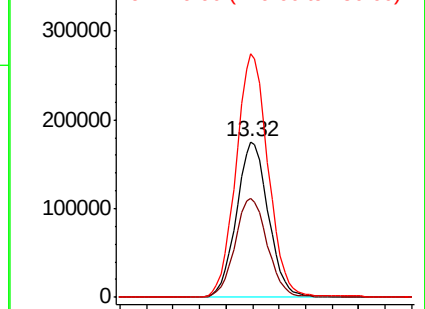
150 158.4 0.0 344.0



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: 29.021 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063342.D

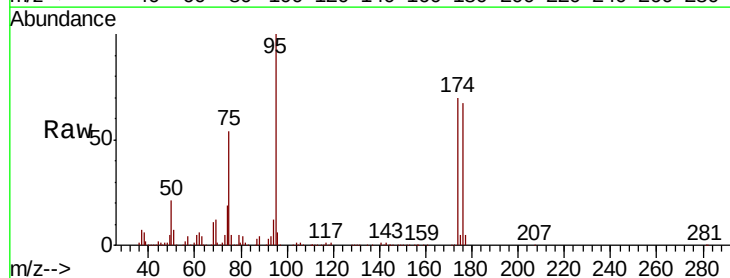
Acq: 14 Sep 2020 14:55

Tgt Ion: 75 Resp: 188070

Ion Ratio Lower Upper

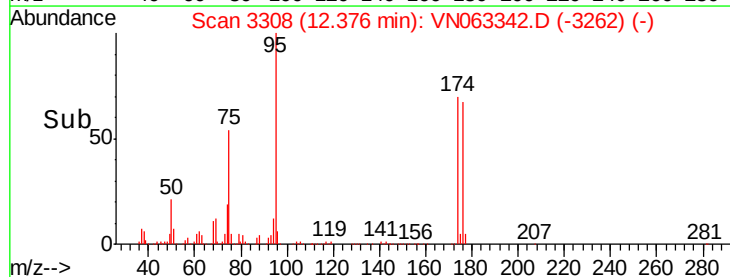
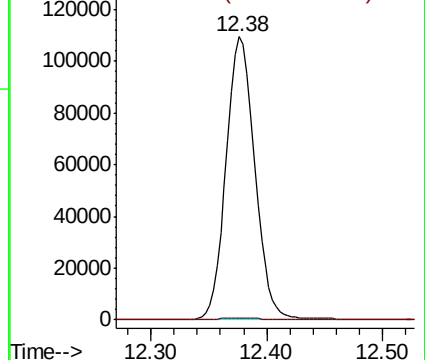
75 100

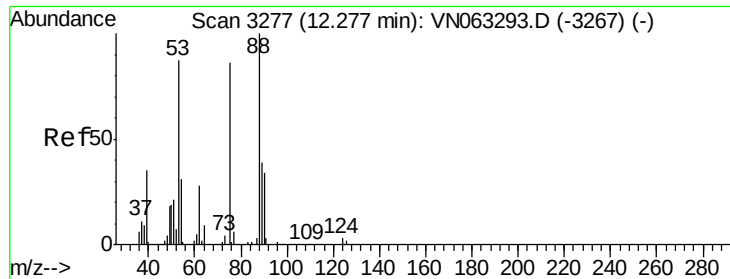
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 77.974 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063342.D

Acq: 14 Sep 2020 14:55

Instrument :

MSVOA_N

ClientSampleId :

B18-4-6ME

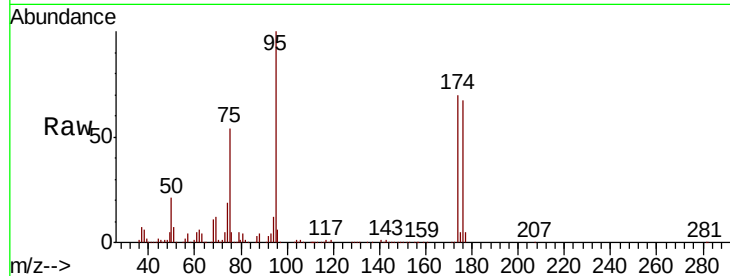
Tot Ion: 75 Resp: 188070

Ion Ratio Lower Upper

75 100

53 0.1 81.8 122.8#

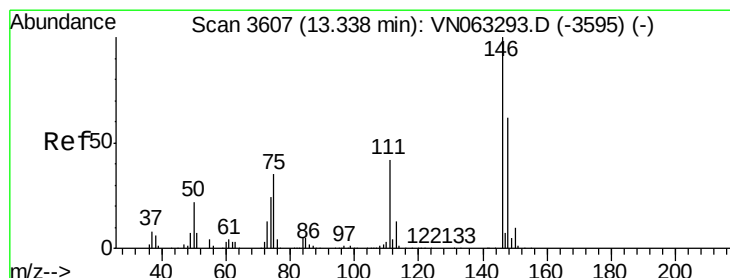
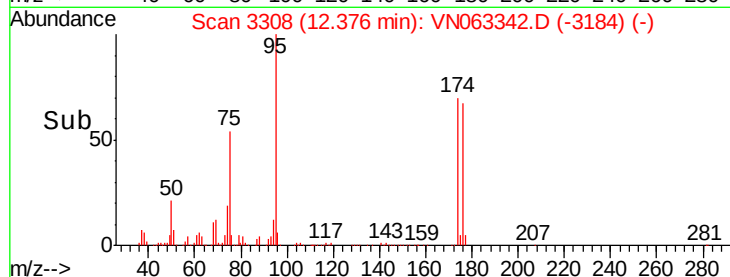
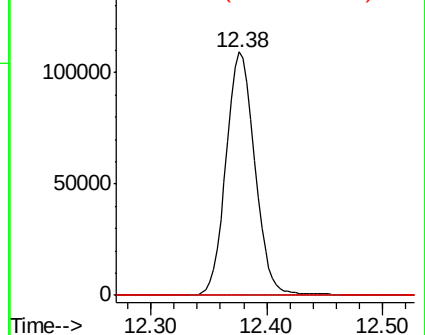
89 0.0 36.7 55.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.34 min Scan# 3607

Delta R.T. 0.00 min

Lab File: VN063342.D

Acq: 14 Sep 2020 14:55

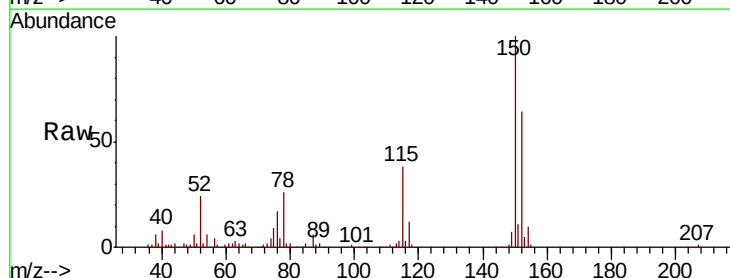
Tgt Ion: 146 Resp: 278

Ion Ratio Lower Upper

146 100

111 1613.3 21.3 64.0#

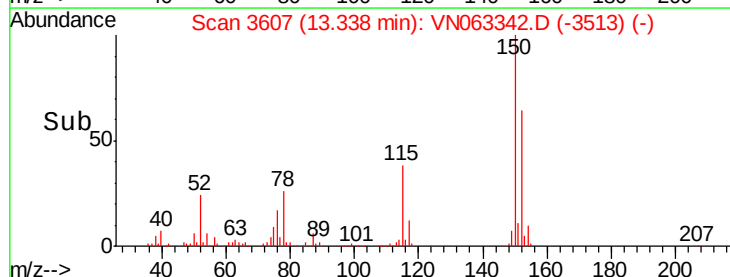
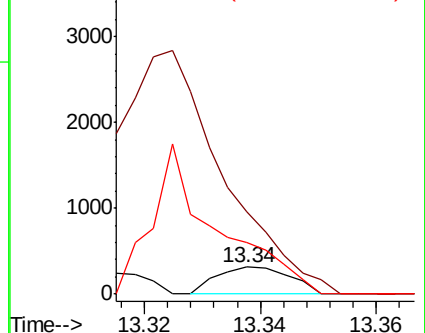
148 494.6 31.5 94.5#

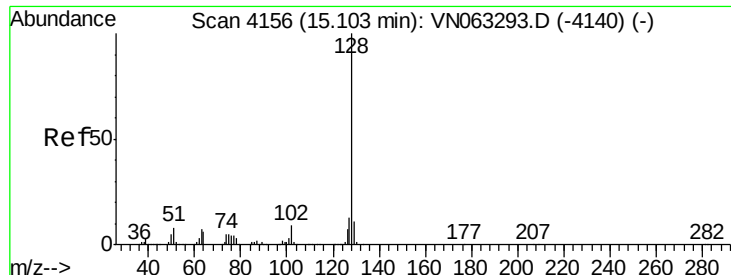


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

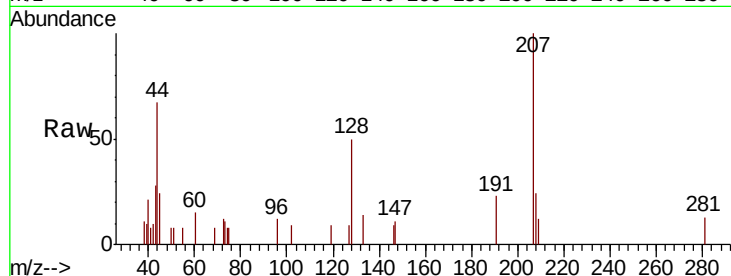




#95
Naphthalene
Concen: Below Cal
RT: 15.12 min Scan# 4160
Delta R.T. 0.01 min
Lab File: VN063342.D
Acq: 14 Sep 2020 14:55

Instrument :
MSVOA_N
ClientSampleId :
B18-4-6ME

Tot Ion:128 Resp: 1820
Ion Ratio Lower Upper
128 100
127 3.8 10.3 15.5#
129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

