

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091420\
 Data File : VN063344.D
 Acq On : 14 Sep 2020 15:43
 Operator : JC/MD
 Sample : L3981-07ME 20X
 Misc : 8.19g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 B19-0-2ME

Quant Time: Sep 15 05:11:01 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

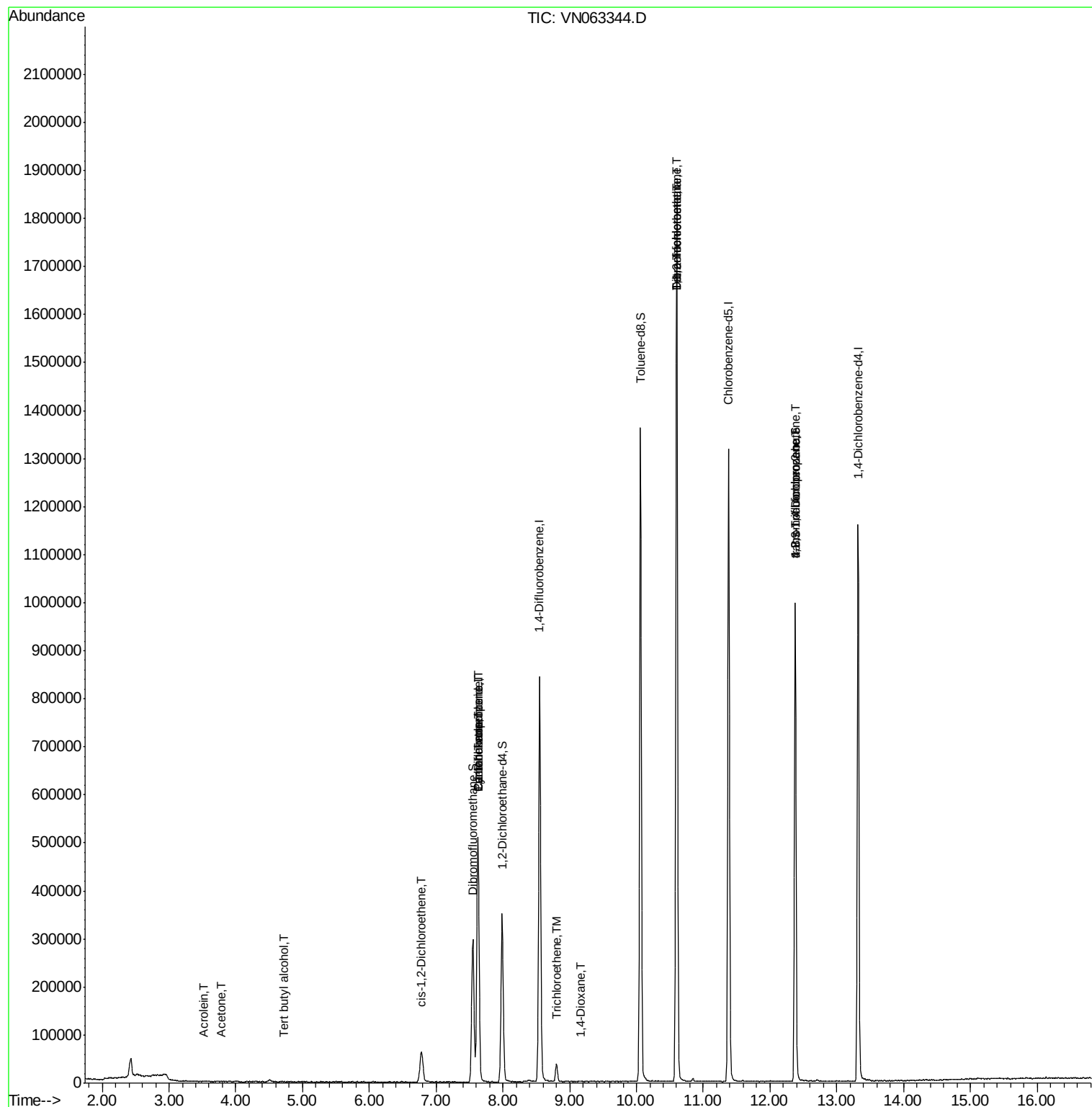
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	383195	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	721834	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	705125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	289839	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	294207	48.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.74%	
35) Dibromofluoromethane	7.55	113	226516	48.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.28%	
50) Toluene-d8	10.06	98	924152	51.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.58%	
62) 4-Bromofluorobenzene	12.38	95	345554	52.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.86%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.03	50	2100	Below Cal	#	86
11) Tert butyl alcohol	4.72	59	171	0.215 ug/l	#	72
13) Acrolein	3.51	56	67	32.592 ug/l	#	68
16) Acetone	3.79	43	607	0.292 ug/l	#	70
17) Carbon Disulfide	4.01	76	294	Below Cal	#	75
20) Methylene Chloride	4.49	84	1060	Below Cal	#	60
27) cis-1,2-Dichloroethene	6.78	96	28416	5.189 ug/l		91
31) Cyclohexane	7.62	56	10778	1.276 ug/l	#	38
36) 1,1-Dichloropropene	7.63	75	34898	4.703 ug/l	#	50
38) Carbon Tetrachloride	7.62	117	40981	5.612 ug/l	#	16
44) Trichloroethene	8.80	130	11031	1.990 ug/l		85
49) 1,4-Dioxane	9.15	88	81	0.887 ug/l	#	1
55) 1,1,2-Trichloroethane	10.61	97	3964	0.782 ug/l	#	12
60) Dibromochloromethane	10.60	129	374235	67.218 ug/l	#	11
64) Tetrachloroethene	10.60	164	382063	66.143 ug/l		97
76) 1,2,3-Trichloropropane	12.38	75	190013	29.716 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.38	75	190013	79.841 ug/l	#	9
88) 1,4-Dichlorobenzene	13.32	146	285	Below Cal	#	1
95) Naphthalene	15.12	128	1413	Below Cal	#	81

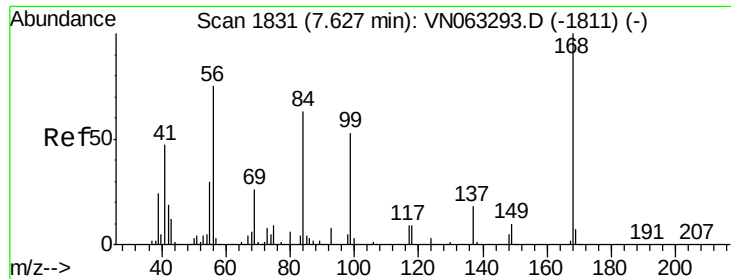
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN063344.D

Acq: 14 Sep 2020 15:43

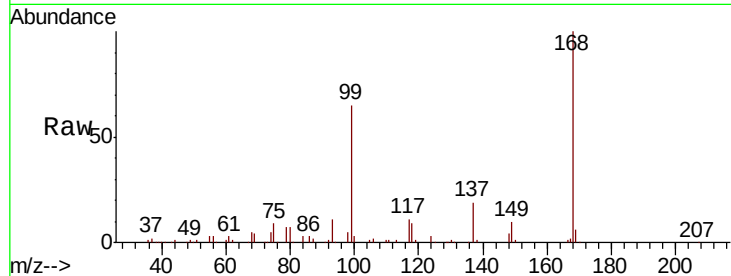
Instrument :
MSVOA_N
ClientSampled :
B19-0-2ME

Tot Ion:168 Resp: 383195

Ion Ratio Lower Upper

168 100

99 64.9 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

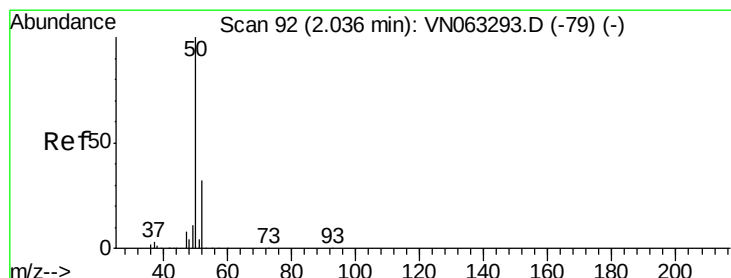
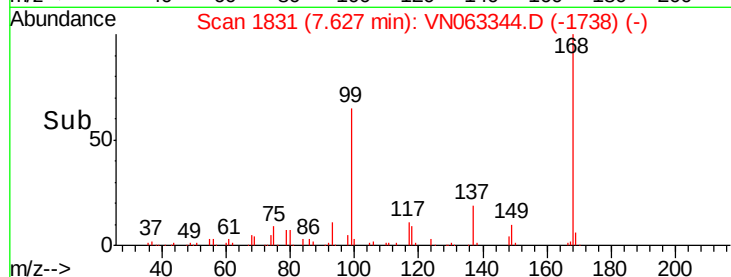
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 91

Delta R.T. -0.00 min

Lab File: VN063344.D

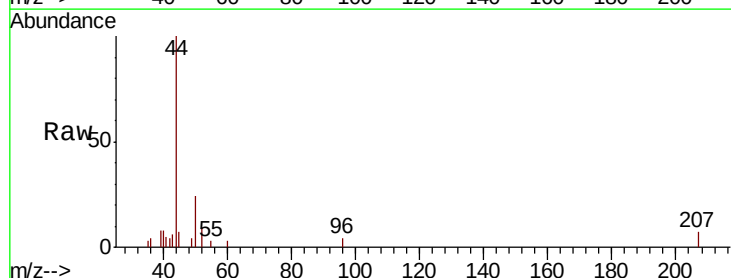
Acq: 14 Sep 2020 15:43

Tgt Ion: 50 Resp: 2100

Ion Ratio Lower Upper

50 100

52 39.8 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.03

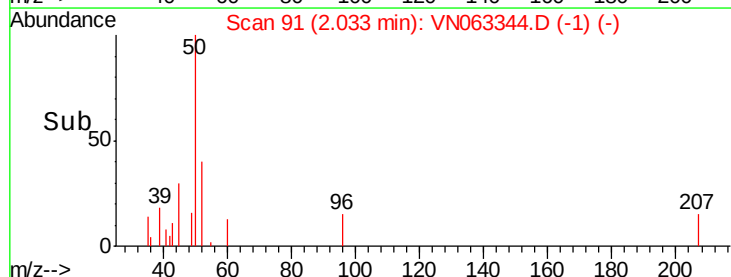
1500

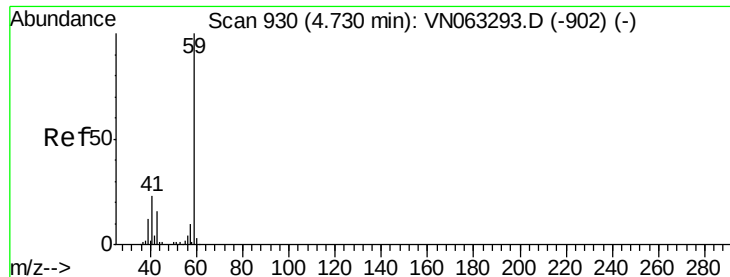
1000

500

0

Time--> 2.00 2.05 2.10

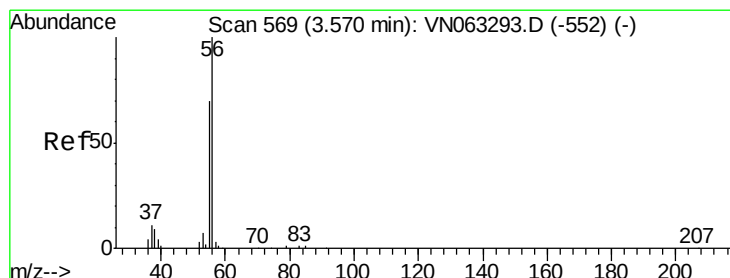
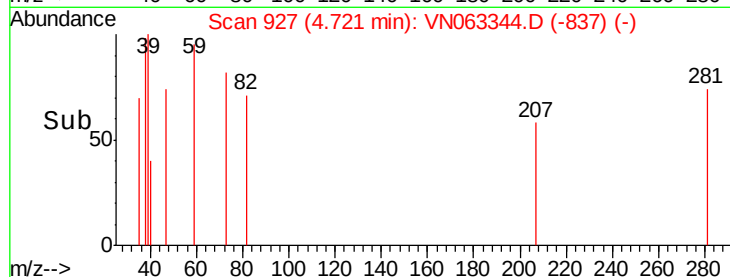
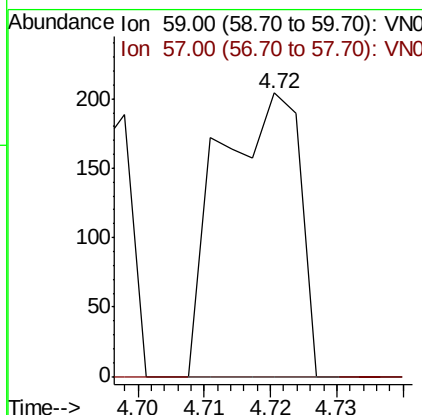
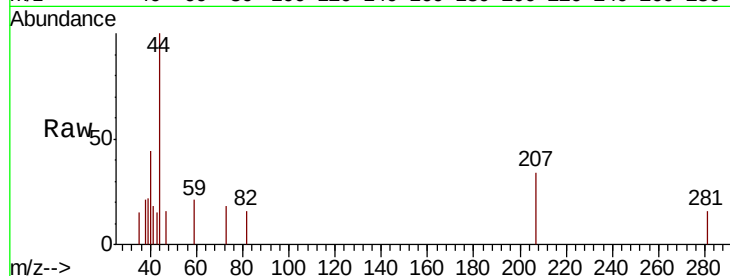




#11
Tert butyl alcohol
Concen: 0.215 ug/l
RT: 4.72 min Scan# 927
Delta R.T. -0.01 min
Lab File: VN063344.D
Acq: 14 Sep 2020 15:43

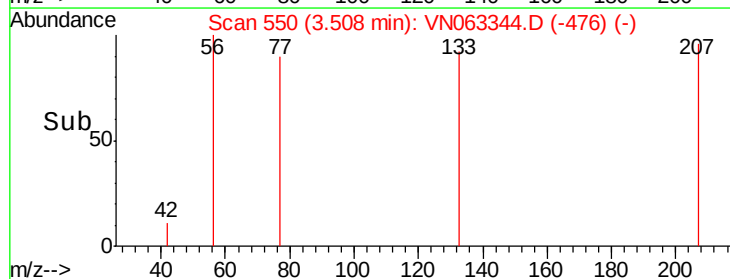
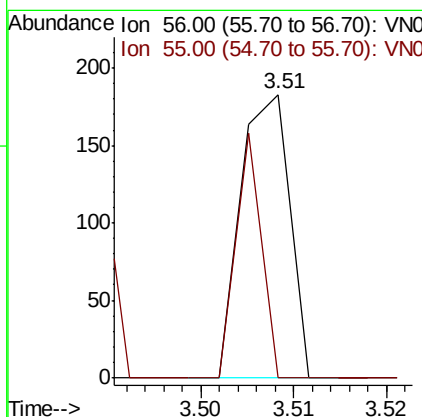
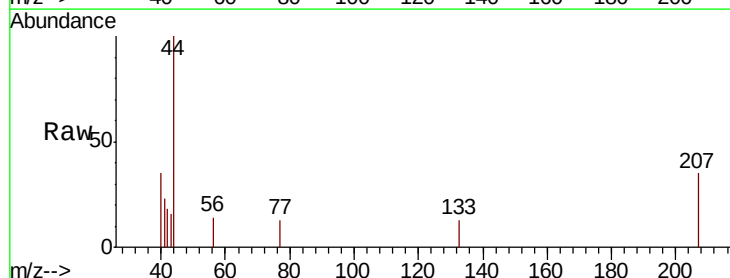
Instrument :
MSVOA_N
ClientSampled :
B19-0-2ME

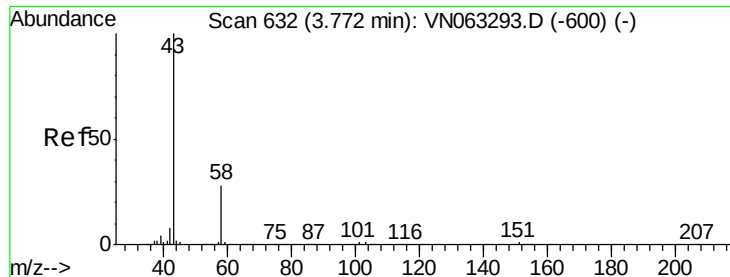
Tot Ion: 59 Resp: 171
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 32.592 ug/l
RT: 3.51 min Scan# 550
Delta R.T. -0.06 min
Lab File: VN063344.D
Acq: 14 Sep 2020 15:43

Tgt Ion: 56 Resp: 67
Ion Ratio Lower Upper
56 100
55 44.8 57.2 85.8#





#16

Acetone

Concen: 0.292 ug/l

RT: 3.79 min Scan# 637

Delta R.T. 0.02 min

Lab File: VN063344.D

Acq: 14 Sep 2020 15:43

Instrument :

MSVOA_N

ClientSampled :

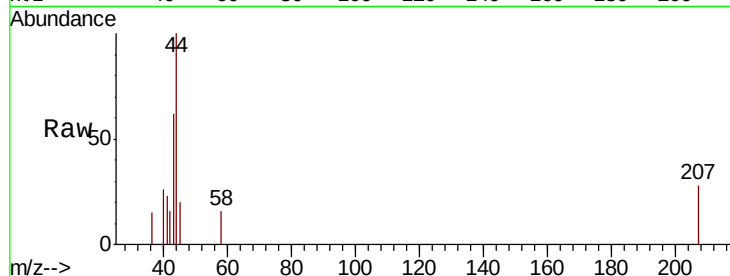
B19-0-2ME

Tot Ion: 43 Resp: 607

Ion Ratio Lower Upper

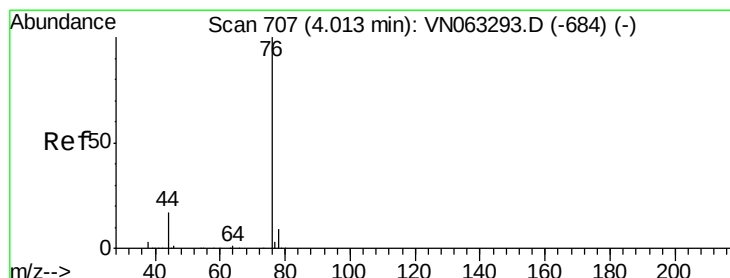
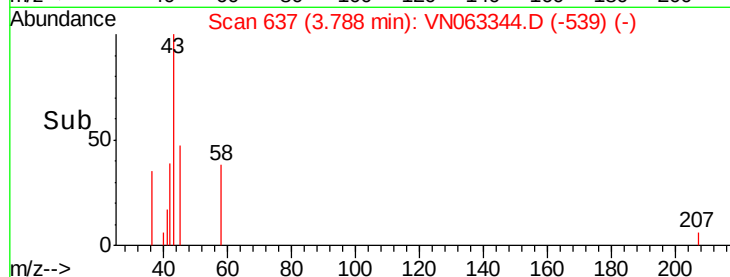
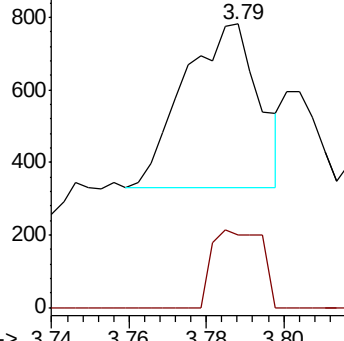
43 100

58 43.9 22.6 34.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.01 min Scan# 705

Delta R.T. -0.01 min

Lab File: VN063344.D

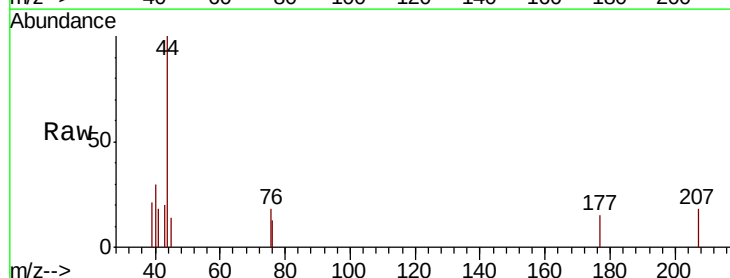
Acq: 14 Sep 2020 15:43

Tgt Ion: 76 Resp: 294

Ion Ratio Lower Upper

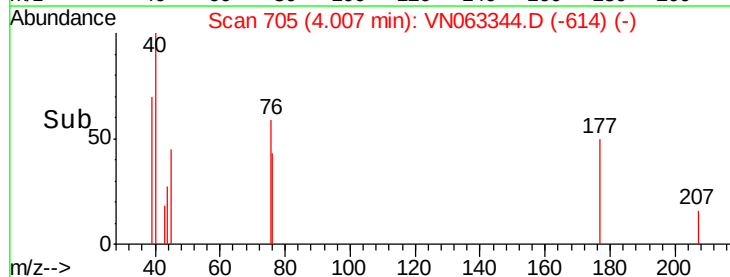
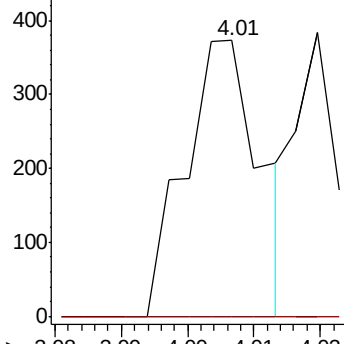
76 100

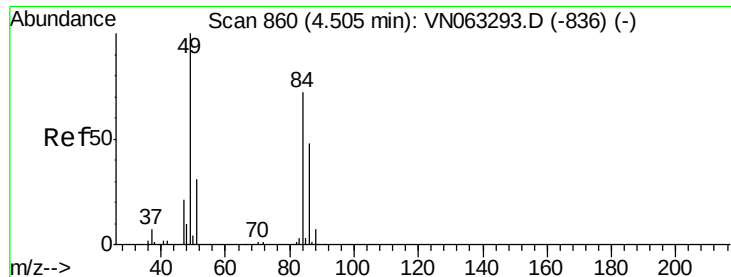
78 0.0 7.2 10.8#



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: 4.49 min Scan# 856

Delta R.T. -0.01 min

Lab File: VN063344.D

Acq: 14 Sep 2020 15:43

Instrument :

MSVOA_N

ClientSampleId :

B19-0-2ME

Tot Ion: 84 Resp: 1060

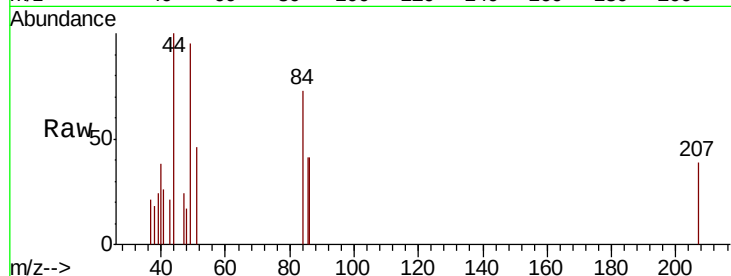
Ion Ratio Lower Upper

84 100

49 83.1 111.1 166.7#

51 63.2 34.3 51.5#

86 91.3 52.9 79.3#

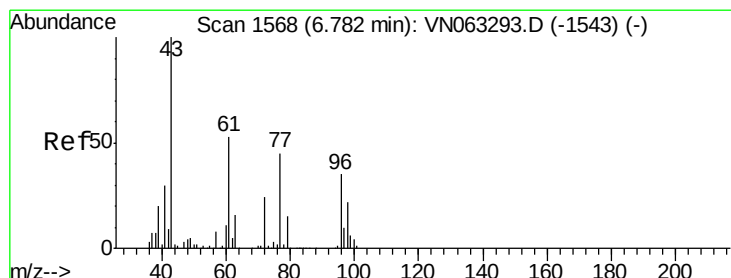
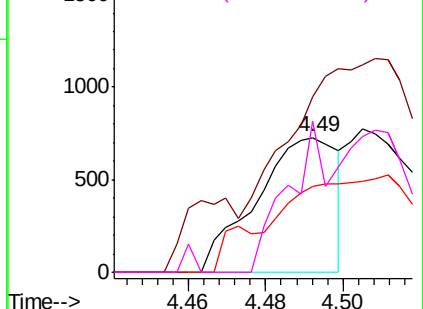
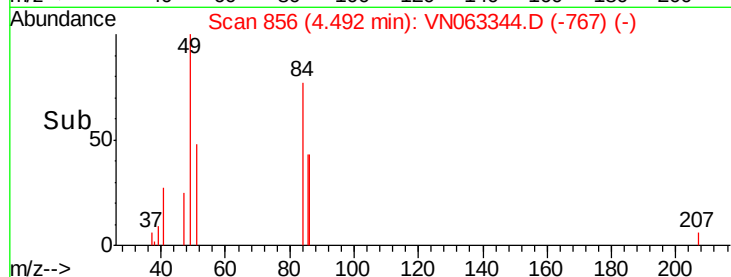


Abundance Ion 83.90 (83.60 to 84.60): VN0

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: 5.189 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN063344.D

Acq: 14 Sep 2020 15:43

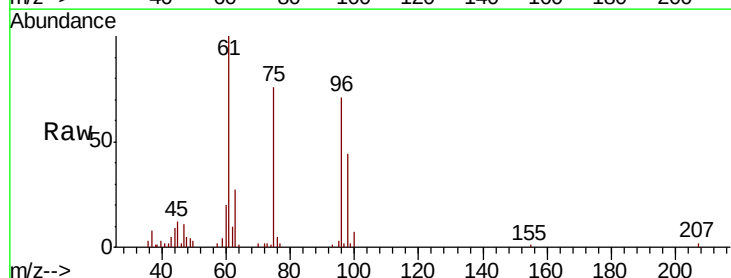
Tgt Ion: 96 Resp: 28416

Ion Ratio Lower Upper

96 100

61 148.2 0.0 322.8

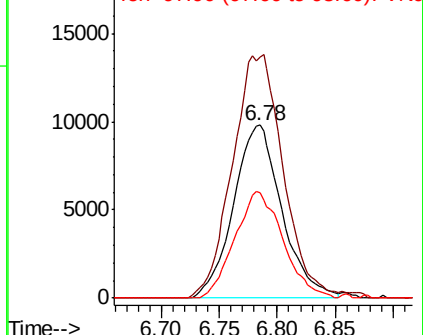
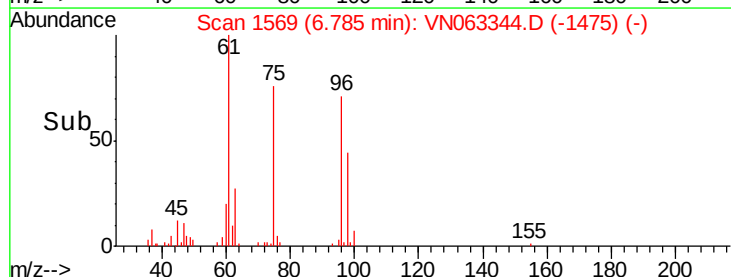
98 61.3 0.0 132.2

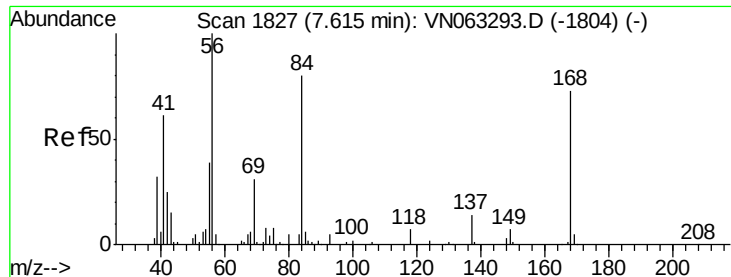


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

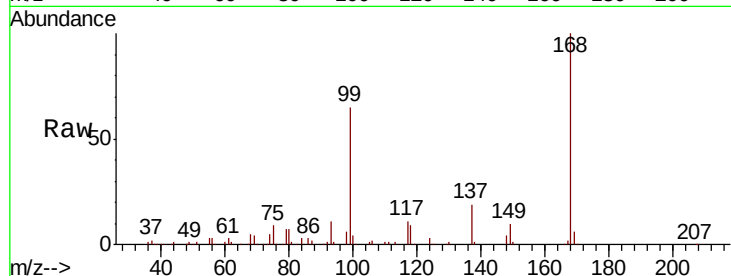




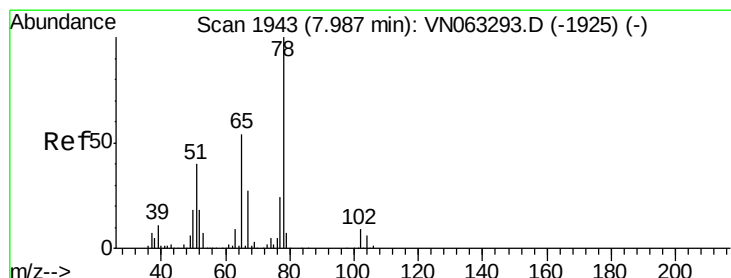
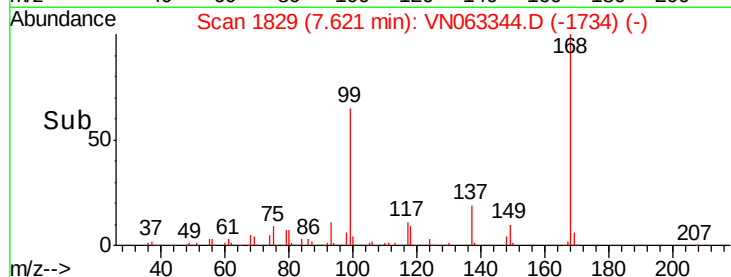
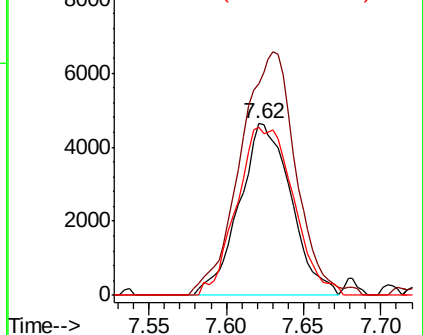
#31
Cyclohexane
Concen: 1.276 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN063344.D
Acq: 14 Sep 2020 15:43

Instrument :
MSVOA_N
ClientSampleId :
B19-0-2ME

Tot Ion: 56 Resp: 10778
Ion Ratio Lower Upper
56 100
69 123.6 25.1 37.7#
84 98.3 64.2 96.2#

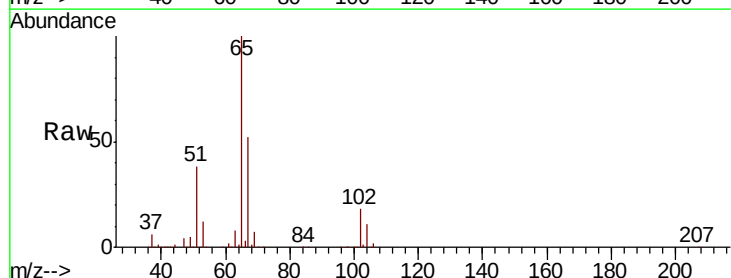


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

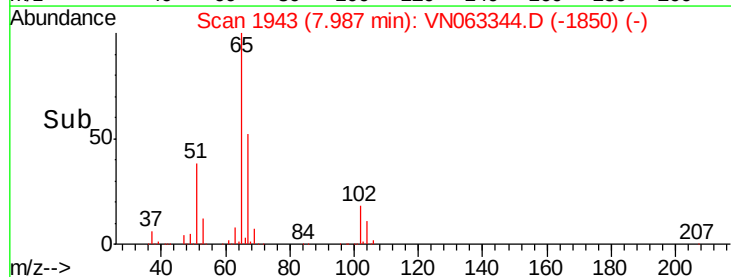
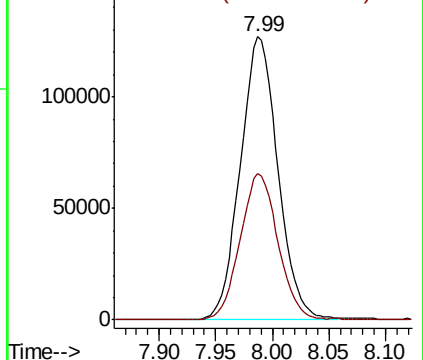


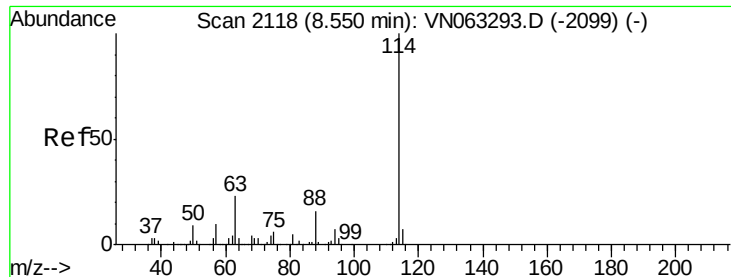
#33
1,2-Dichloroethane-d4
Concen: 48.867 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN063344.D
Acq: 14 Sep 2020 15:43

Tgt Ion: 65 Resp: 294207
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.6



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

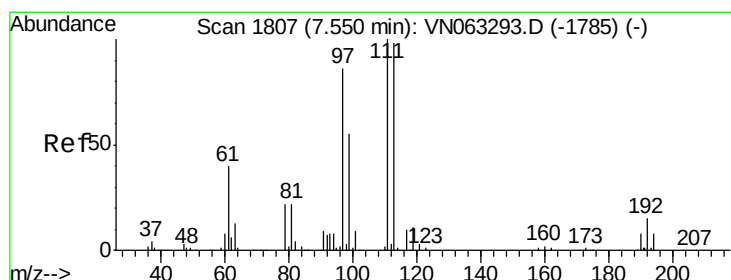
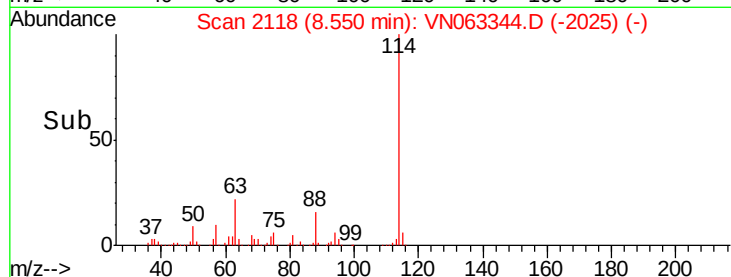
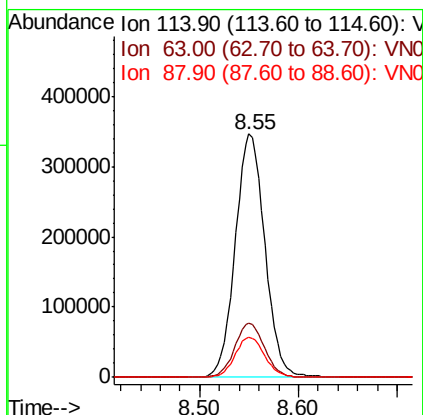
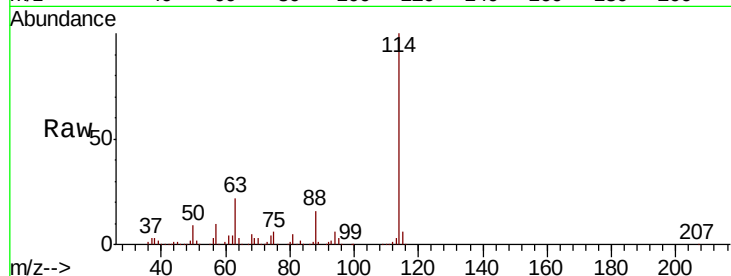




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063344.D
 Acq: 14 Sep 2020 15:43

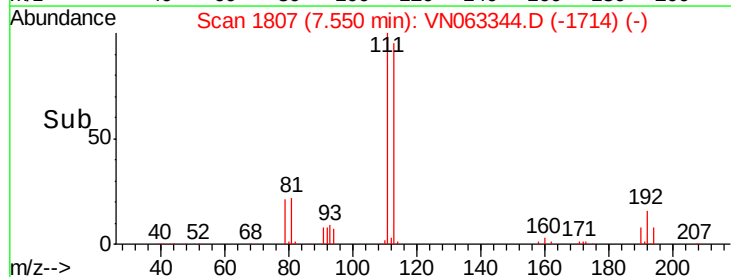
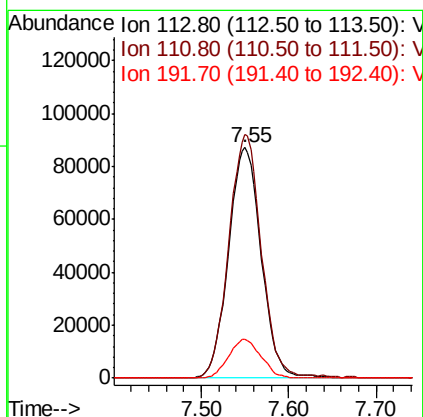
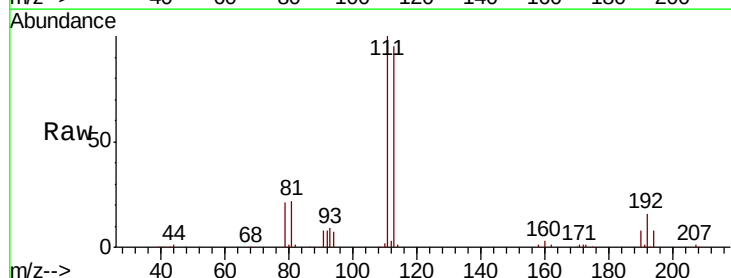
Instrument :
 MSVOA_N
 ClientSampleId :
 B19-0-2ME

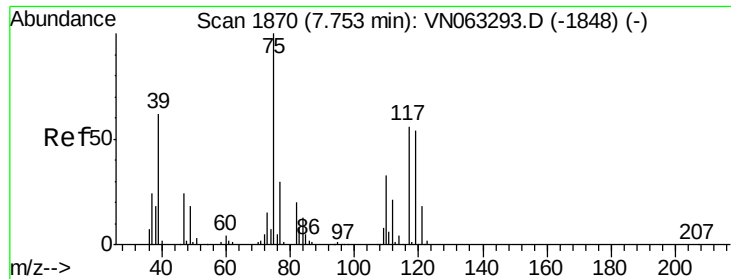
Tot Ion:114	Resp:	721834
Ion Ratio	Lower	Upper
114 100		
63 22.4	0.0	46.0
88 16.4	0.0	32.8



#35
 Dibromofluoromethane
 Concen: 48.643 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VN063344.D
 Acq: 14 Sep 2020 15:43

Tgt Ion:113	Resp:	226516
Ion Ratio	Lower	Upper
113 100		
111 104.7	82.2	123.2
192 16.8	12.9	19.3

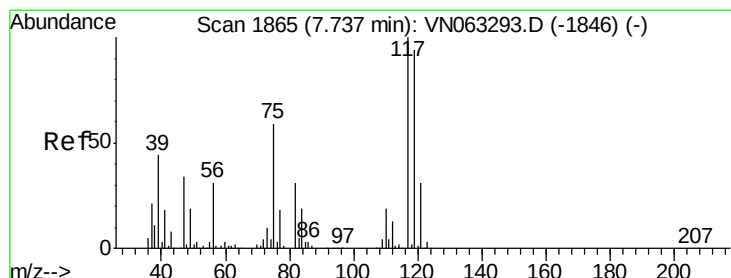
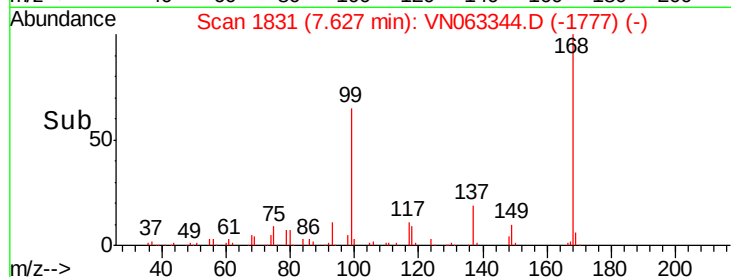
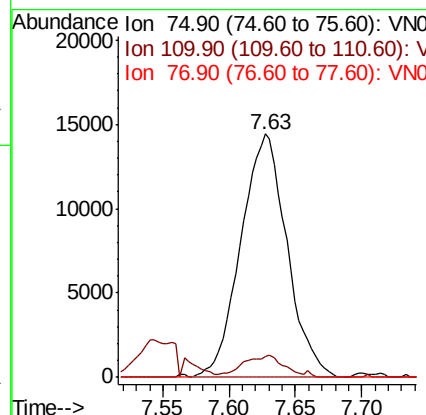
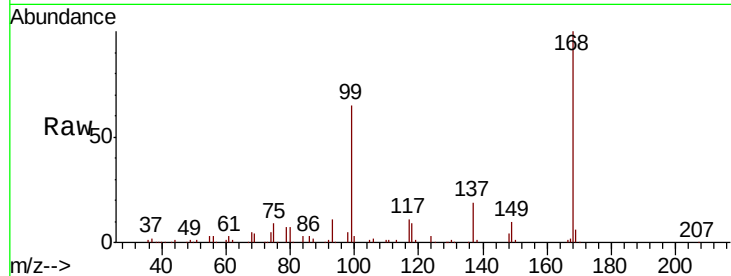




#36
 1,1-Dichloropropene
 Concen: 4.703 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063344.D
 Acq: 14 Sep 2020 15:43

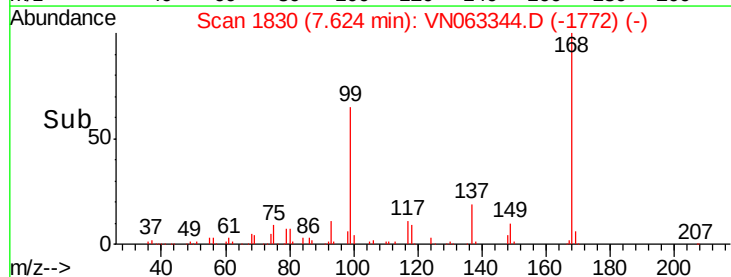
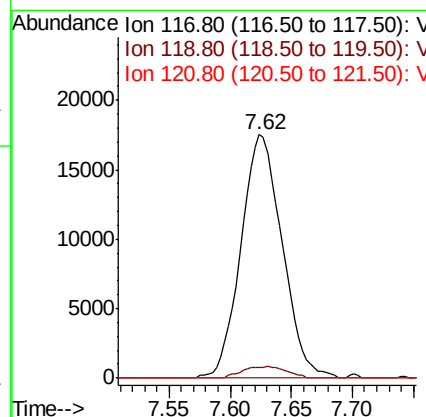
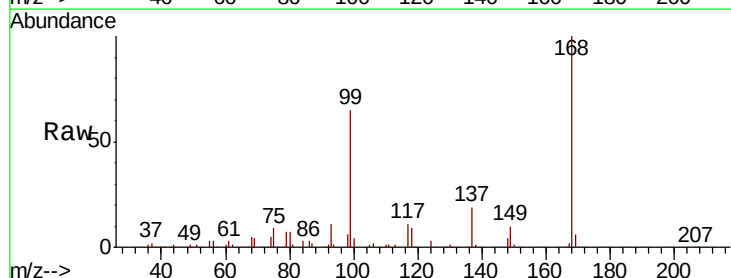
Instrument :
 MSVOA_N
 ClientSampled :
 B19-0-2ME

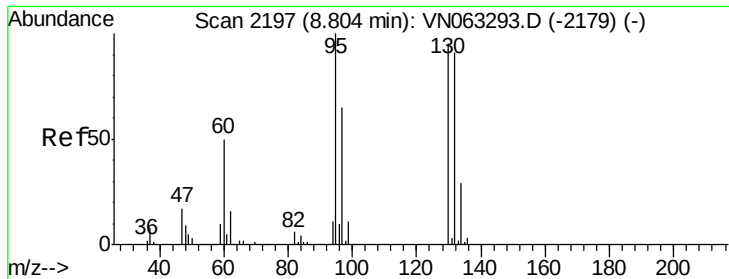
Tot Ion	75	Resp	34898
Ion Ratio	100	Lower	Upper
110	8.3	16.4	49.4#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 5.612 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.11 min
 Lab File: VN063344.D
 Acq: 14 Sep 2020 15:43

Tgt Ion	117	Resp	40981
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
119	4.2	75.3	112.9#
121	0.0	24.6	37.0#





#44

Trichloroethene

Concen: 1.990 ug/l

RT: 8.80 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN063344.D

Acq: 14 Sep 2020 15:43

Instrument :

MSVOA_N

ClientSampled :

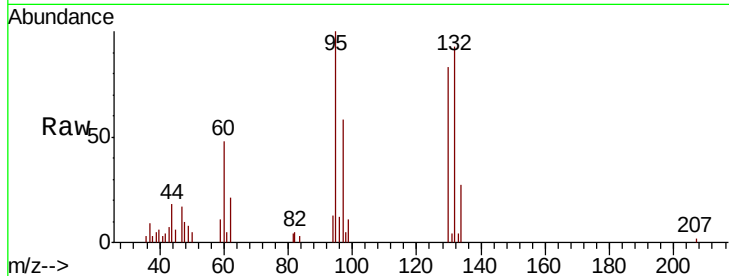
B19-0-2ME

Tot Ion:130 Resp: 11031

Ion Ratio Lower Upper

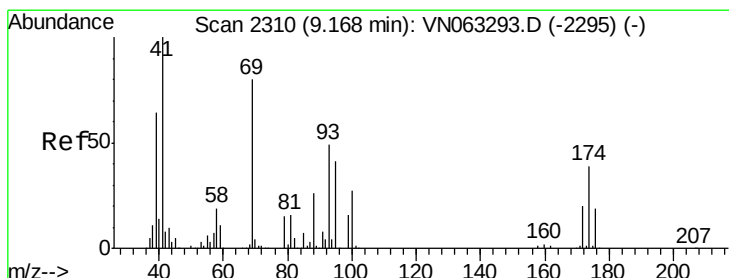
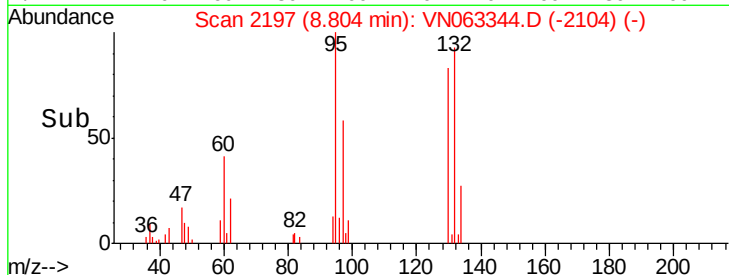
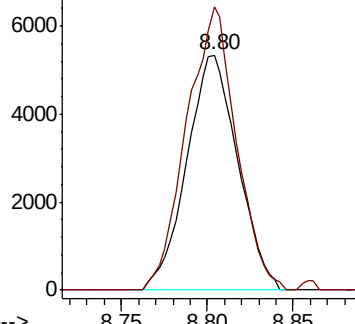
130 100

95 120.4 0.0 210.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#49

1,4-Dioxane

Concen: 0.887 ug/l

RT: 9.15 min Scan# 2306

Delta R.T. -0.01 min

Lab File: VN063344.D

Acq: 14 Sep 2020 15:43

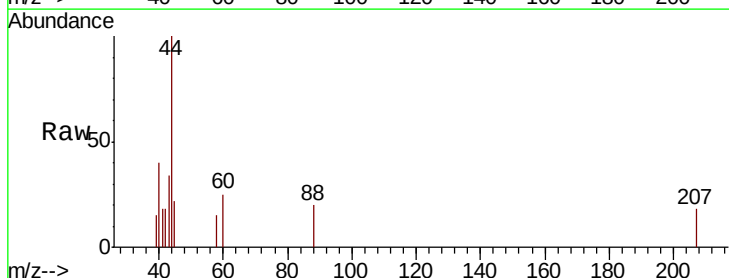
Tgt Ion: 88 Resp: 81

Ion Ratio Lower Upper

88 100

43 93.8 30.5 45.7#

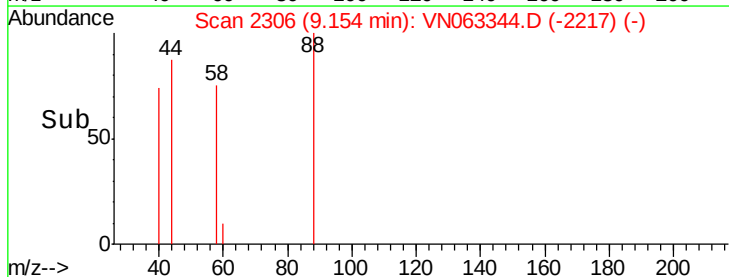
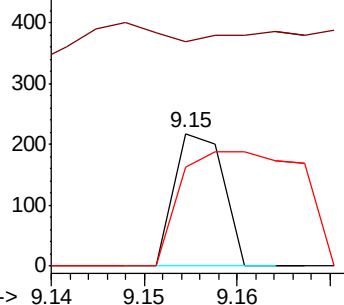
58 211.1 58.9 88.3#

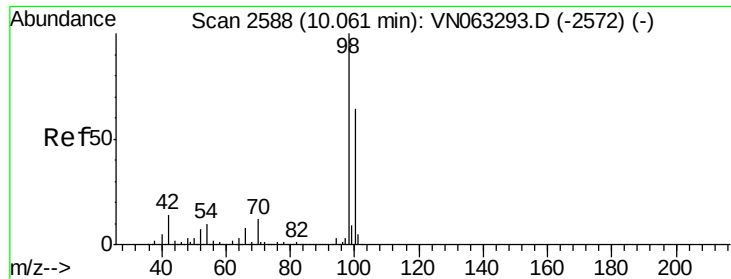


Abundance Ion 88.00 (87.70 to 88.70): VN

Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

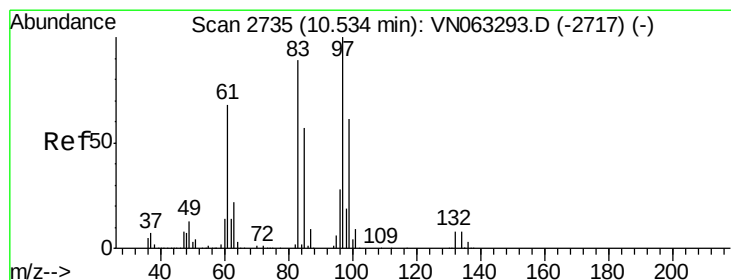
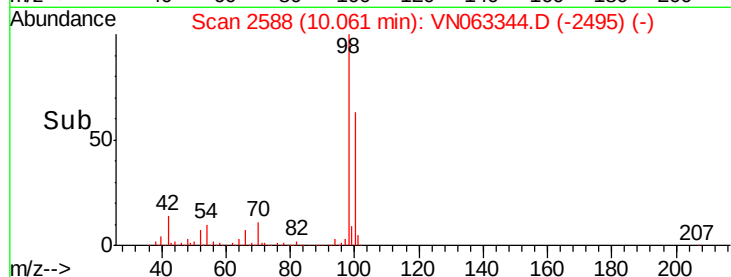
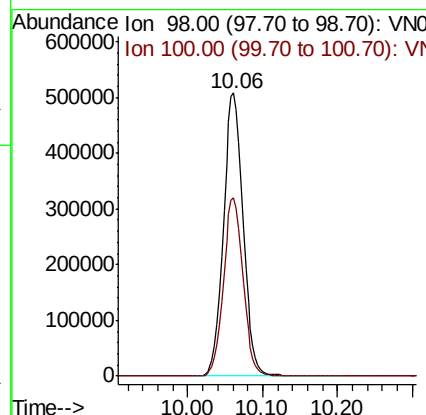
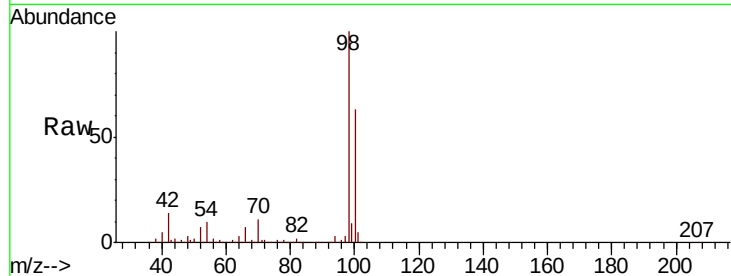




#50
Toluene-d8
Concen: 51.786 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. -0.00 min
Lab File: VN063344.D
Acq: 14 Sep 2020 15:43

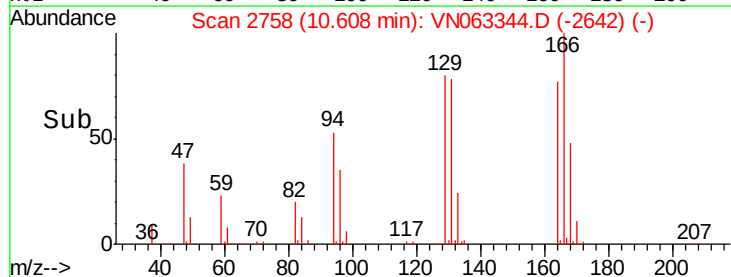
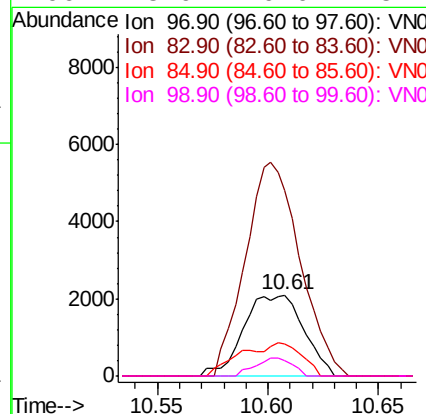
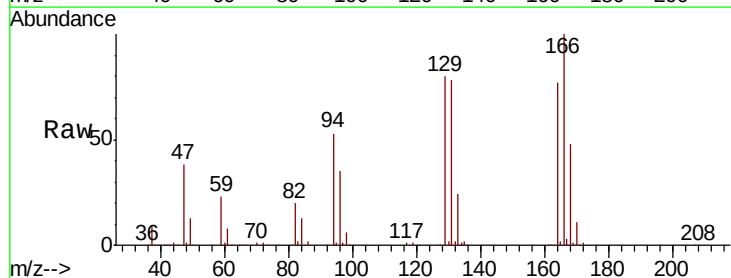
Instrument :
MSVOA_N
ClientSampled :
B19-0-2ME

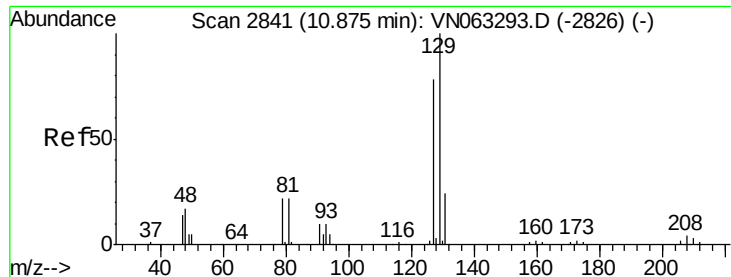
Tot Ion: 98 Resp: 924152
Ion Ratio Lower Upper
98 100
100 62.5 50.7 76.1



#55
1,1,2-Trichloroethane
Concen: 0.782 ug/l
RT: 10.61 min Scan# 2758
Delta R.T. 0.07 min
Lab File: VN063344.D
Acq: 14 Sep 2020 15:43

Tgt Ion: 97 Resp: 3964
Ion Ratio Lower Upper
97 100
83 229.2 70.8 106.2#
85 39.4 45.6 68.4#
99 18.9 49.0 73.4#

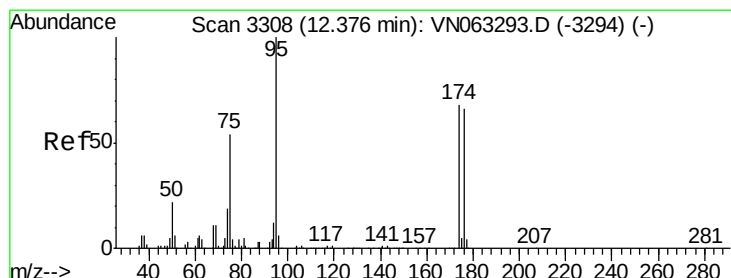
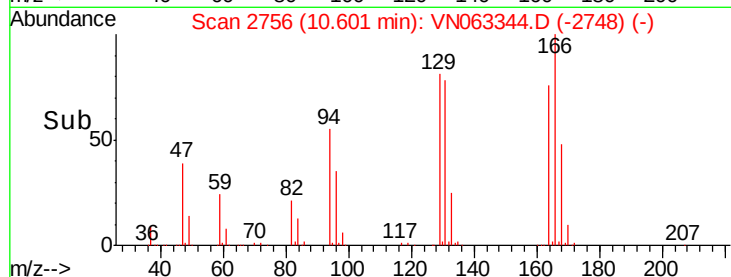
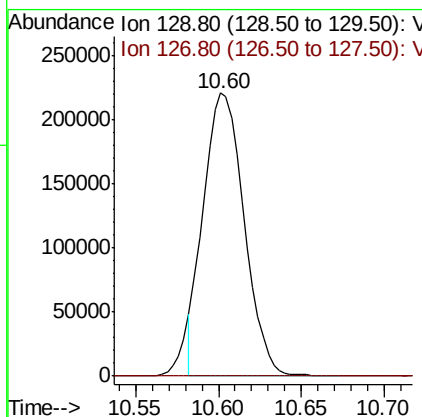
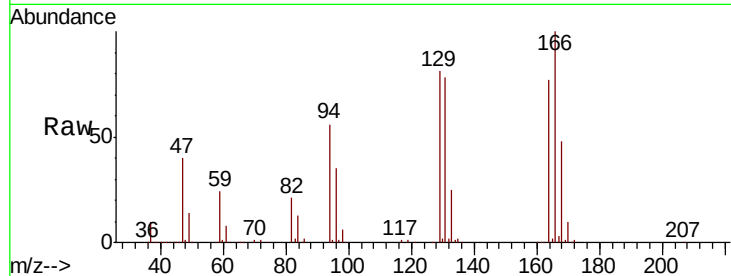




#60
Dibromochloromethane
Concen: 67.218 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.27 min
Lab File: VN063344.D
Acq: 14 Sep 2020 15:43

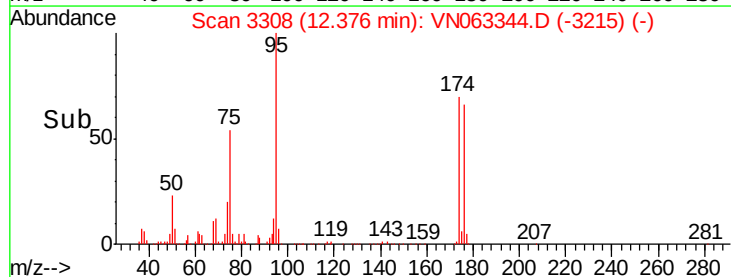
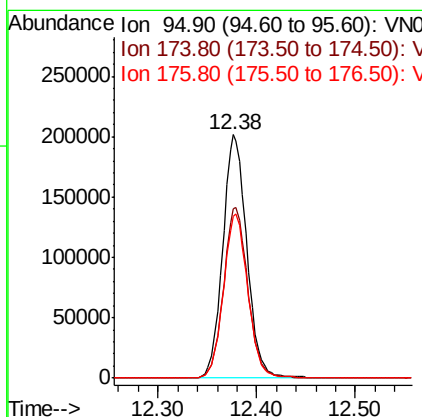
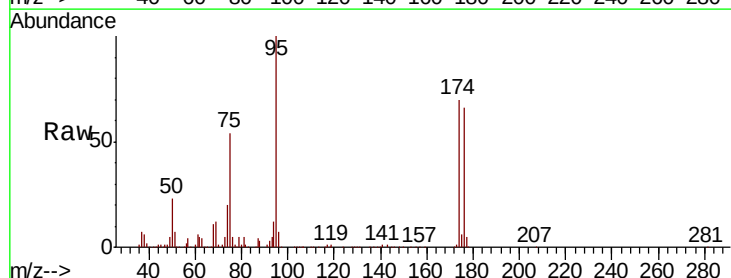
Instrument :
MSVOA_N
ClientSampled :
B19-0-2ME

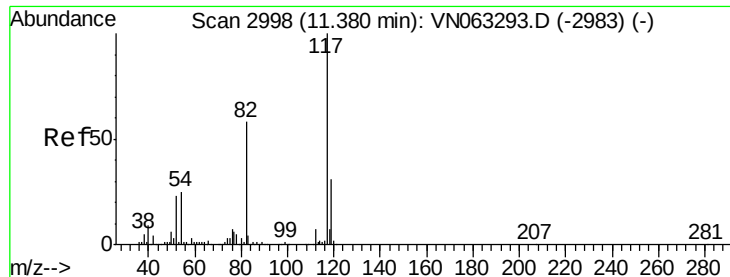
Tot Ion:129 Resp: 374235
Ion Ratio Lower Upper
129 100
127 0.2 39.0 117.0#



#62
4-Bromofluorobenzene
Concen: 52.425 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063344.D
Acq: 14 Sep 2020 15:43

Tgt Ion: 95 Resp: 345554
Ion Ratio Lower Upper
95 100
174 70.5 0.0 136.6
176 68.1 0.0 132.8

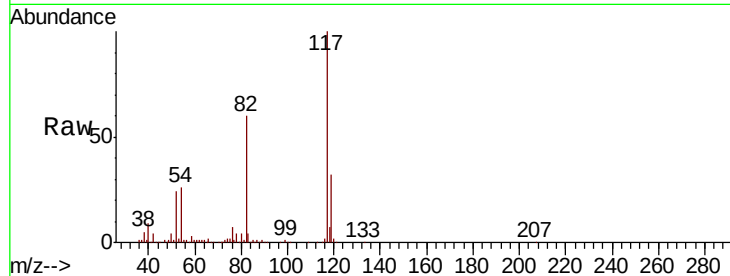




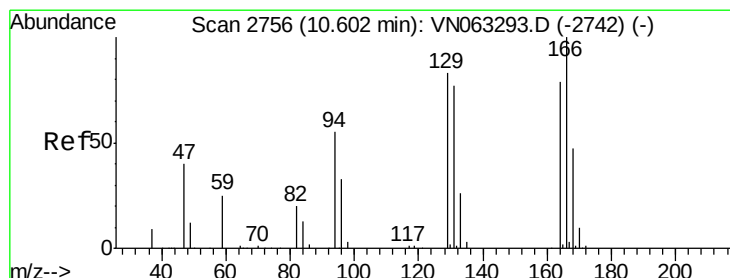
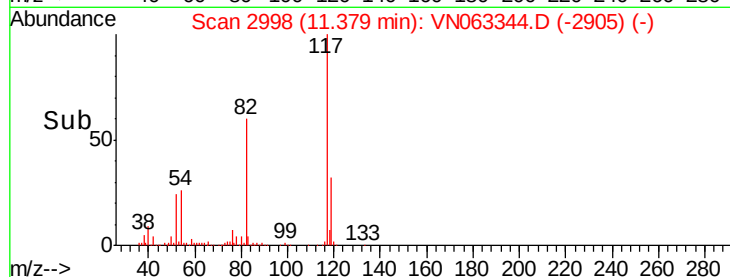
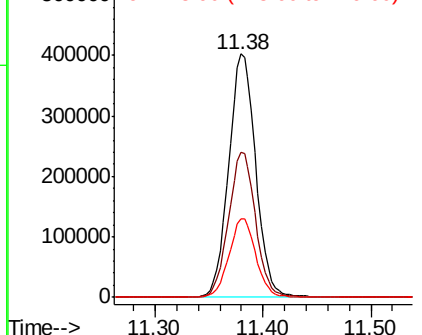
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063344.D
Acq: 14 Sep 2020 15:43

Instrument :
MSVOA_N
ClientSampled :
B19-0-2ME

Tot Ion:117 Resp: 705125
Ion Ratio Lower Upper
117 100
82 59.7 46.4 69.6
119 32.5 24.8 37.2

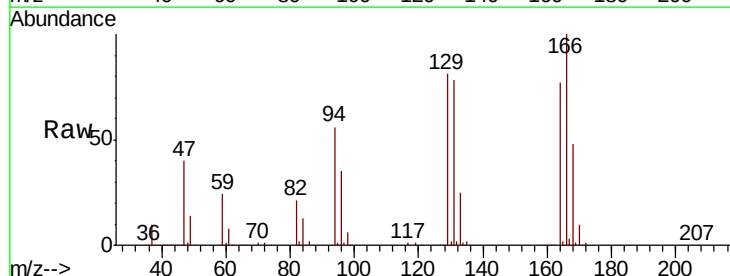


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

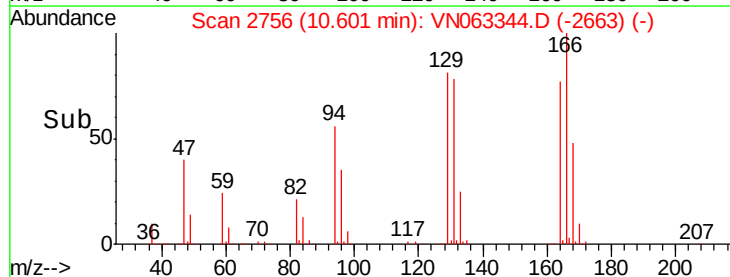
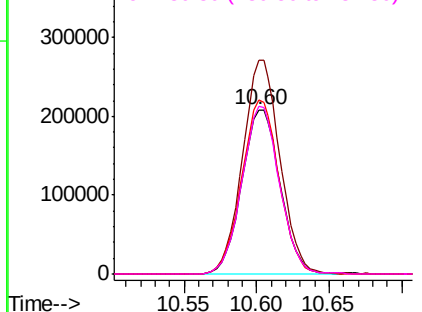


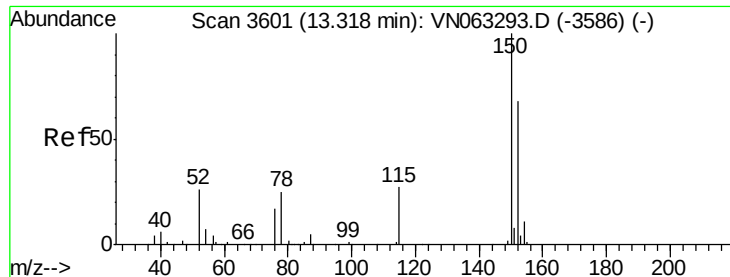
#64
Tetrachloroethene
Concen: 66.143 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063344.D
Acq: 14 Sep 2020 15:43

Tgt Ion:164 Resp: 382063
Ion Ratio Lower Upper
164 100
166 130.0 101.3 151.9
129 105.9 83.7 125.5
131 101.9 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: VN063344.D

Acq: 14 Sep 2020 15:43

Instrument :

MSVOA_N

ClientSampleId :

B19-0-2ME

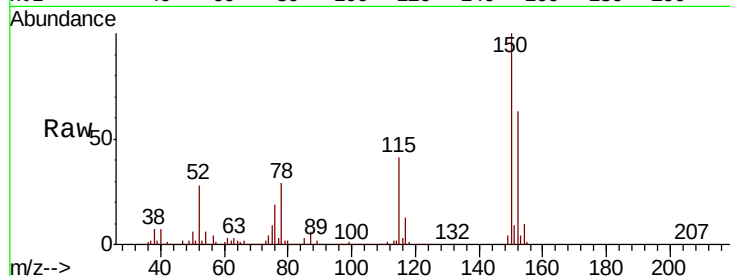
Tot Ion:152 Resp: 289839

Ion Ratio Lower Upper

152 100

115 64.2 31.5 94.5

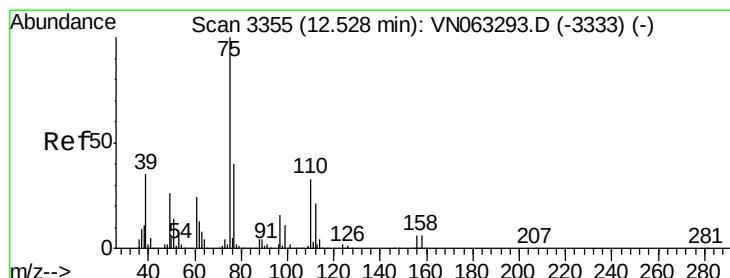
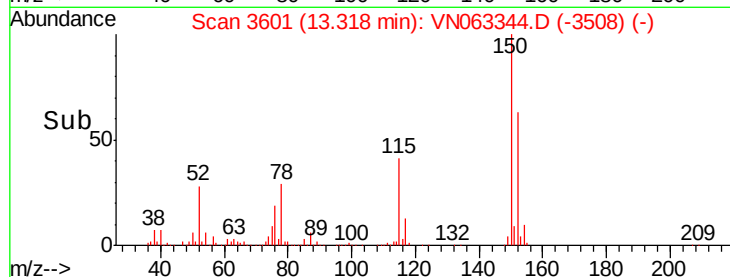
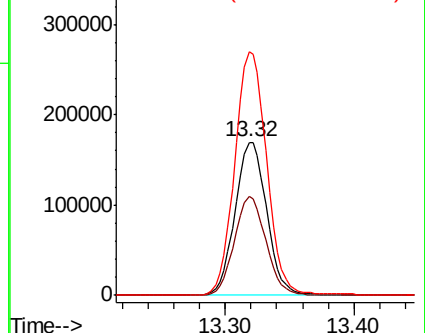
150 159.8 0.0 344.0



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: 29.716 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063344.D

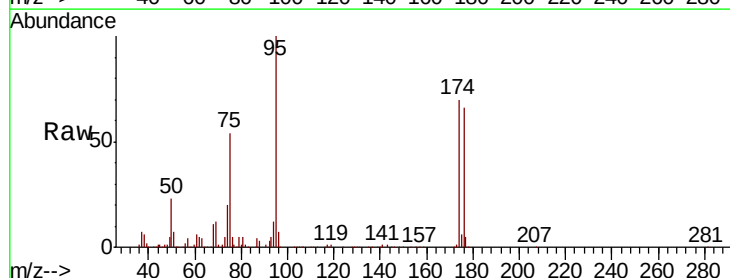
Acq: 14 Sep 2020 15:43

Tgt Ion: 75 Resp: 190013

Ion Ratio Lower Upper

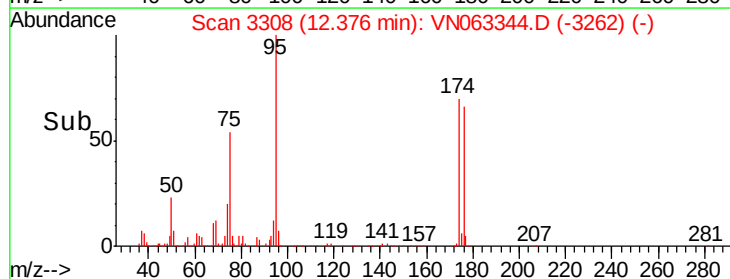
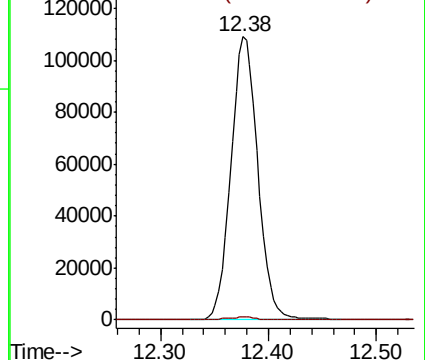
75 100

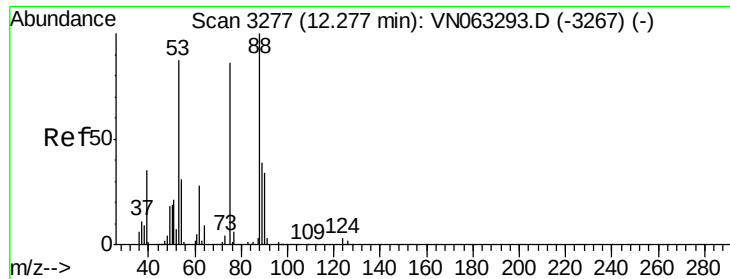
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

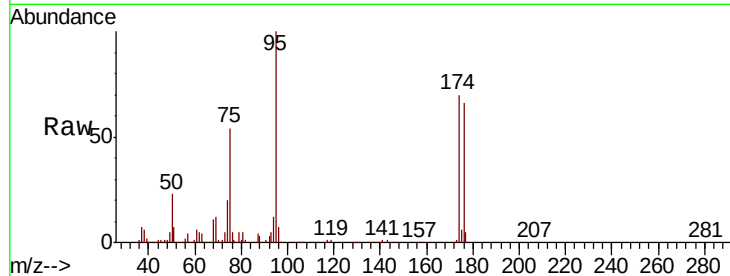




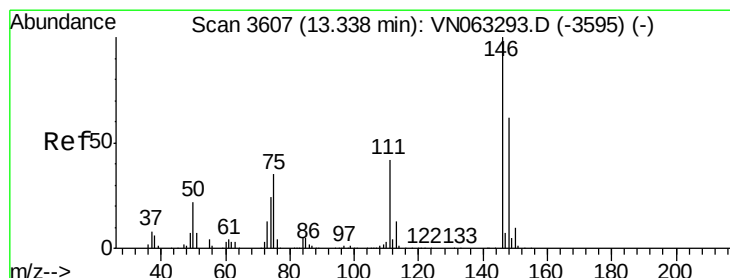
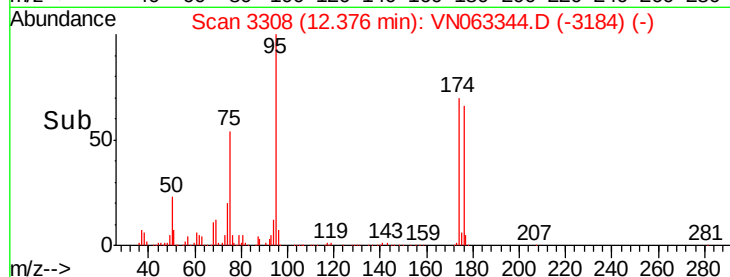
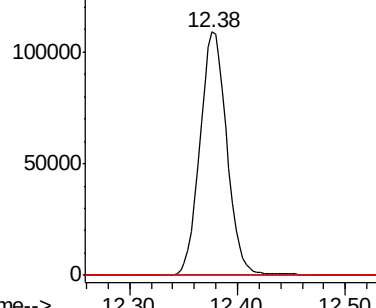
#81
trans-1,4-Dichloro-2-butene
Concen: 79.841 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.10 min
Lab File: VN063344.D
Acq: 14 Sep 2020 15:43

Instrument :
MSVOA_N
ClientSampleId :
B19-0-2ME

Tot Ion: 75 Resp: 190013
Ion Ratio Lower Upper
75 100
53 0.0 81.8 122.8#
89 0.0 36.7 55.1#

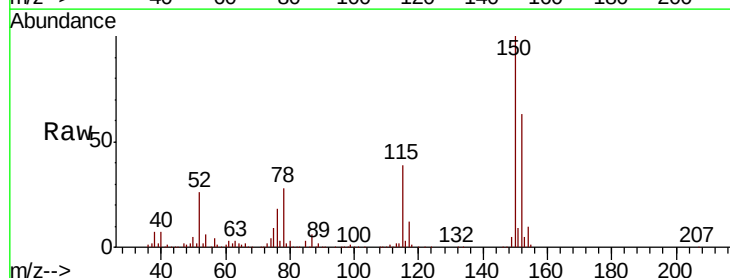


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0

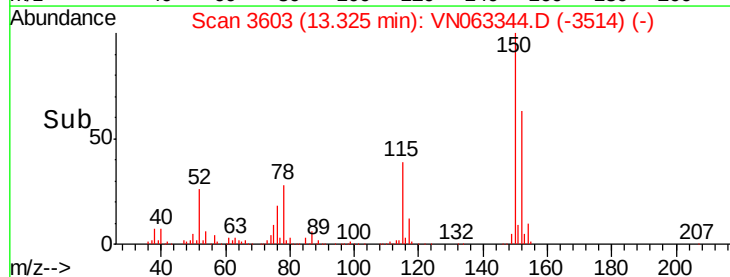
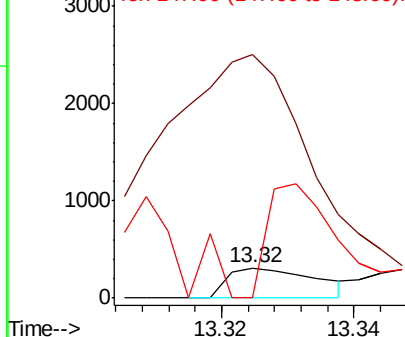


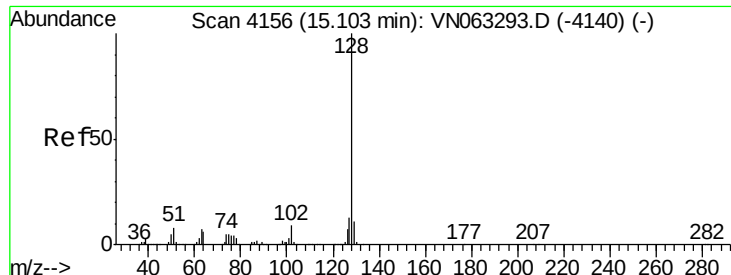
#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.32 min Scan# 3603
Delta R.T. -0.01 min
Lab File: VN063344.D
Acq: 14 Sep 2020 15:43

Tgt Ion: 146 Resp: 285
Ion Ratio Lower Upper
146 100
111 1520.7 21.3 64.0#
148 338.9 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: VN063344.D
Acq: 14 Sep 2020 15:43

Instrument :
MSVOA_N
ClientSampleId :
B19-0-2ME

Tot Ion	Ratio	Lower	Upper
128	100		
127	8.4	10.3	15.5#
129	0.0	8.6	12.8#

