

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\
 Data File : VD067063.D
 Acq On : 03 Oct 2020 05:11
 Operator : VA/SY
 Sample : L4247-09
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-19(7-9)

Quant Time: Oct 03 06:51:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	573006	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	940497	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	852519	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	401732	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	248321	44.99	ug/l	0.00
Spiked Amount			Recovery	=	89.98%	
35) Dibromofluoromethane	7.91	113	286997	46.61	ug/l	0.00
Spiked Amount			Recovery	=	93.22%	
50) Toluene-d8	10.34	98	1109817	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	
62) 4-Bromofluorobenzene	12.63	95	368477	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	

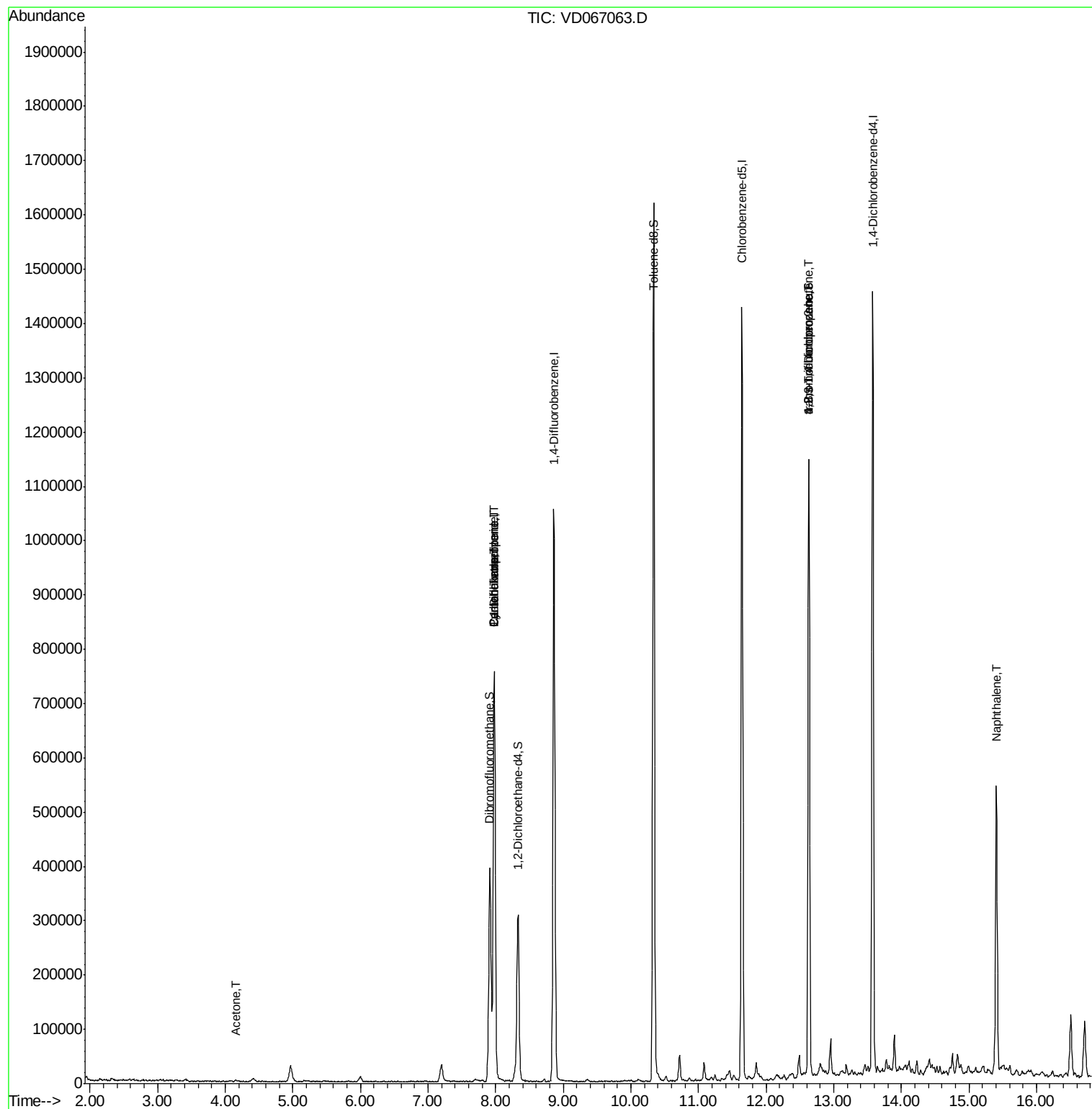
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	1306	Below Cal		96
5) Bromomethane	2.78	94	440	Below Cal		88
11) Tert butyl alcohol	5.20	59	1153	Below Cal	#	72
16) Acetone	4.17	43	4034	4.788	ug/l #	83
20) Methylene Chloride	4.97	84	21141	Below Cal		97
26) 2,2-Dichloropropane	7.19	77	3352	Below Cal	#	53
31) Cyclohexane	7.98	56	10873	1.312	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	42721	4.873	ug/l #	49
38) Carbon Tetrachloride	7.98	117	57984	6.113	ug/l #	15
76) 1,2,3-Trichloropropane	12.63	75	183725	52.505	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	183725	130.901	ug/l #	12
95) Naphthalene	15.41	128	478506	39.583	ug/l	100

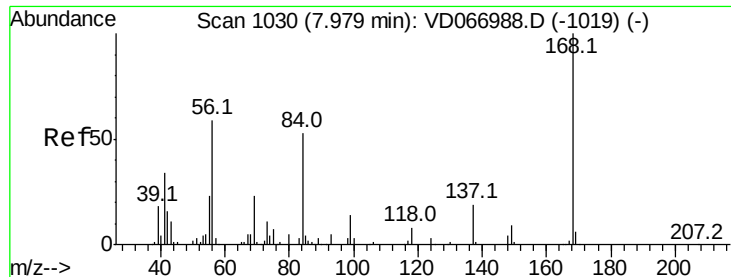
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100220\
Data File : VD067063.D
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B-19(7-9)

Quant Time: Oct 03 06:51:34 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067063.D

Acq: 03 Oct 2020 05:11

Instrument :

MSVOA_D

ClientSampled :

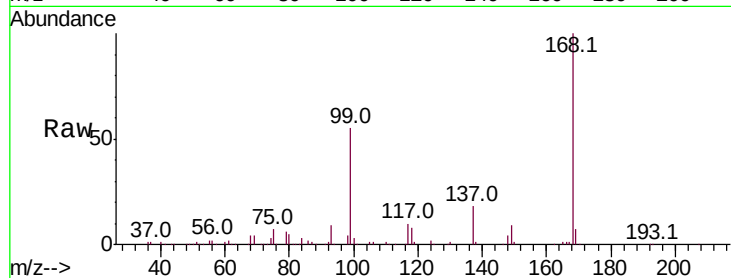
B-19(7-9)

Tot Ion:168 Resp: 573006

Ion Ratio Lower Upper

168 100

99 55.1 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

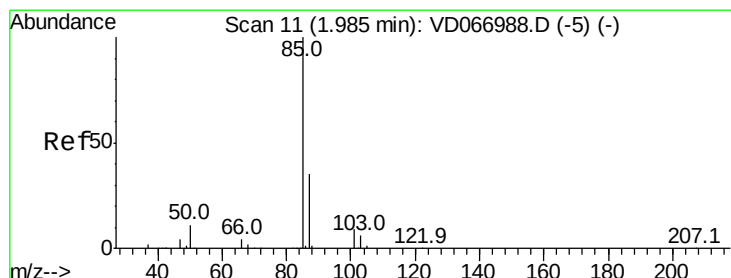
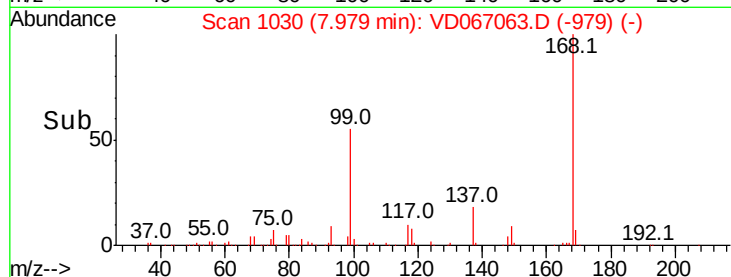
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067063.D

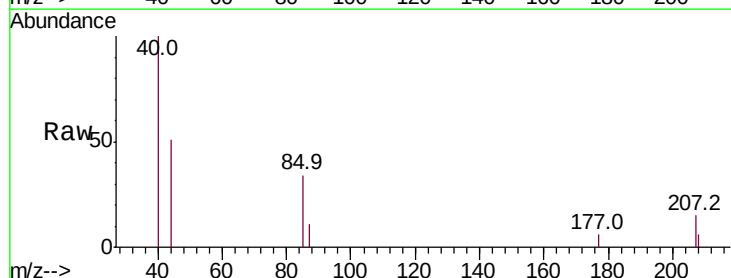
Acq: 03 Oct 2020 05:11

Tgt Ion: 85 Resp: 1306

Ion Ratio Lower Upper

85 100

87 32.1 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

1200

1000

800

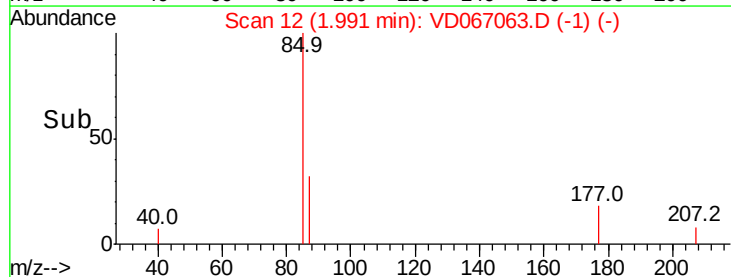
600

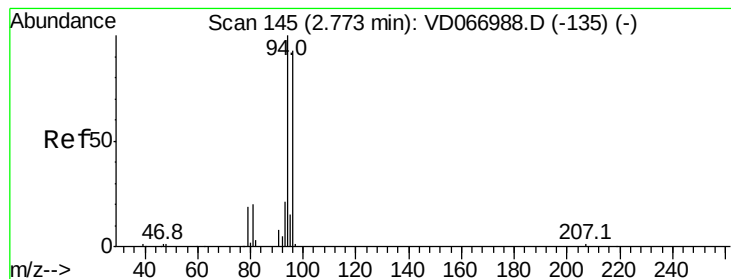
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067063.D

Acq: 03 Oct 2020 05:11

Instrument :

MSVOA_D

ClientSampleId :

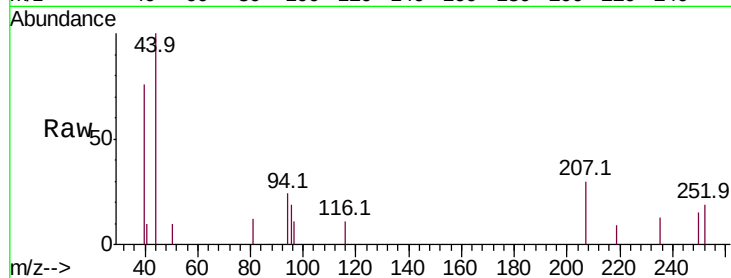
B-19(7-9)

Tot Ion: 94 Resp: 440

Ion Ratio Lower Upper

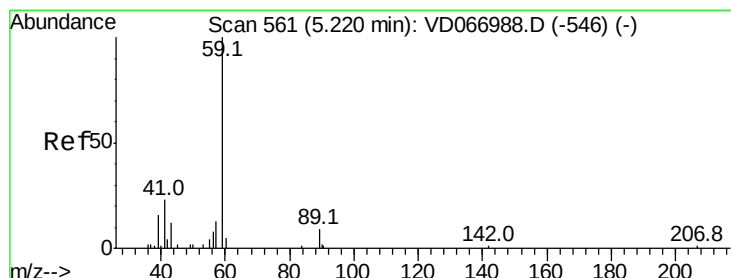
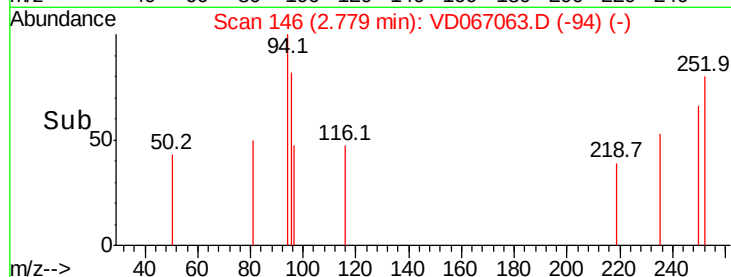
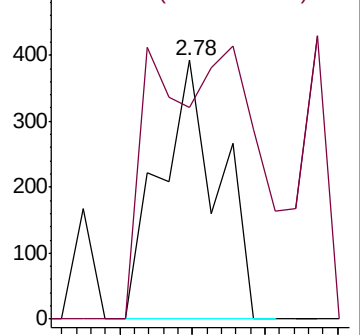
94 100

96 81.9 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 557

Delta R.T. -0.02 min

Lab File: VD067063.D

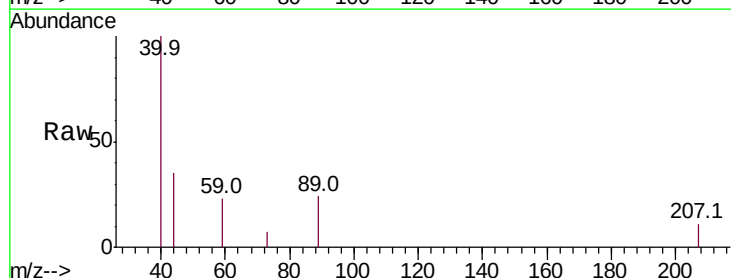
Acq: 03 Oct 2020 05:11

Tgt Ion: 59 Resp: 1153

Ion Ratio Lower Upper

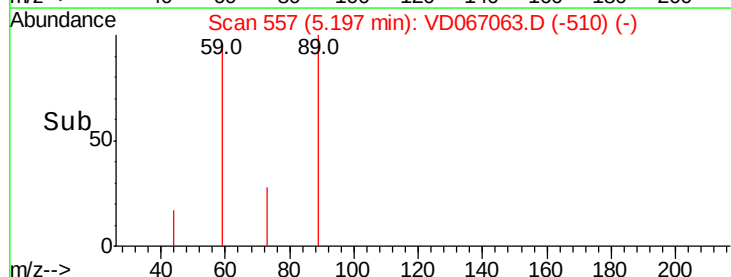
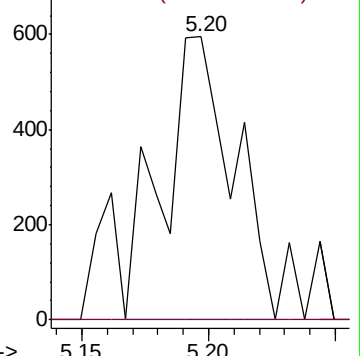
59 100

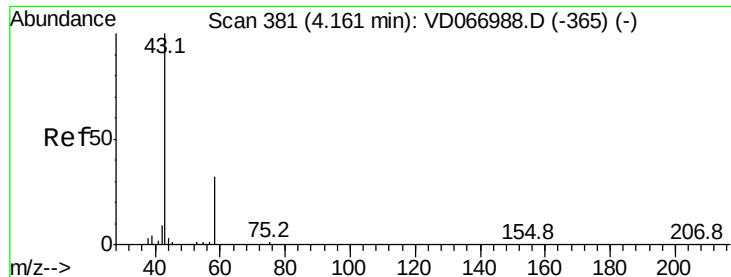
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 4.788 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD067063.D

Acq: 03 Oct 2020 05:11

Instrument :

MSVOA_D

ClientSampleId :

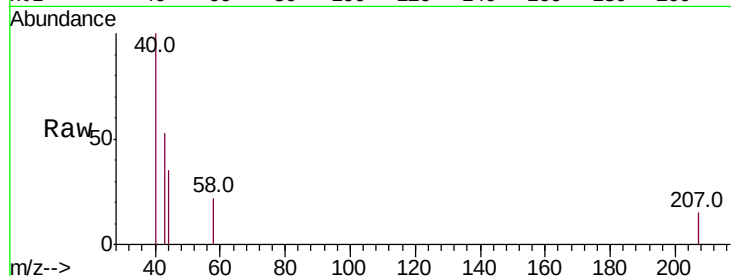
B-19(7-9)

Tot Ion: 43 Resp: 4034

Ion Ratio Lower Upper

43 100

58 41.7 25.9 38.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

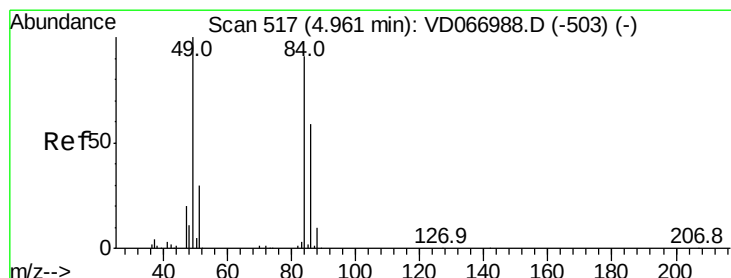
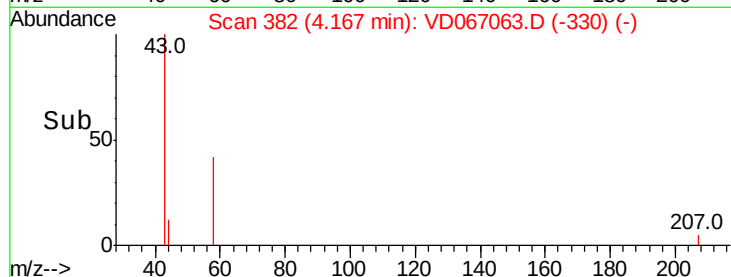
1500

1000

500

0

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD067063.D

Acq: 03 Oct 2020 05:11

Tgt Ion: 84 Resp: 21141

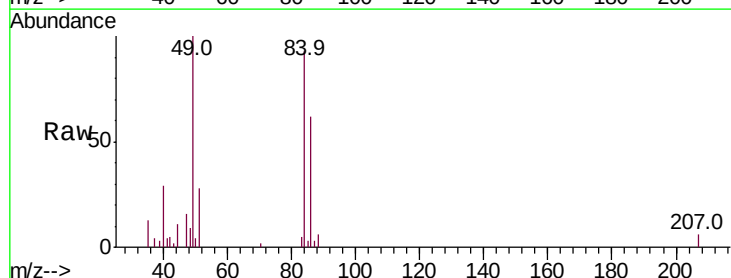
Ion Ratio Lower Upper

84 100

49 107.7 88.2 132.2

51 29.8 26.6 39.8

86 66.7 52.1 78.1



Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

12000

10000

8000

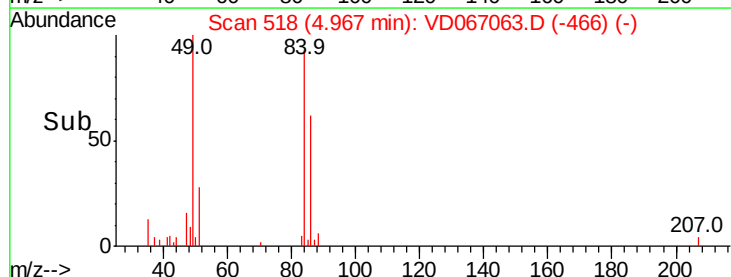
6000

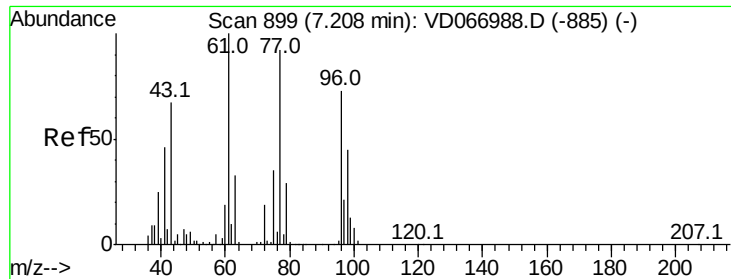
4000

2000

0

Time-->

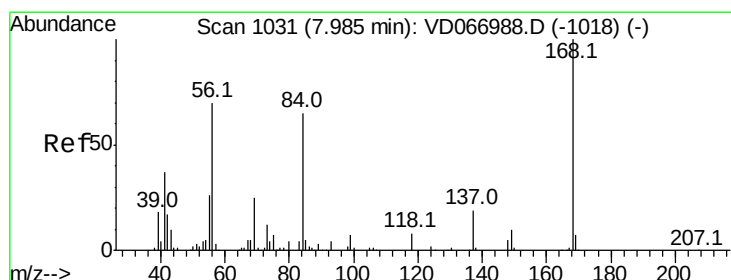
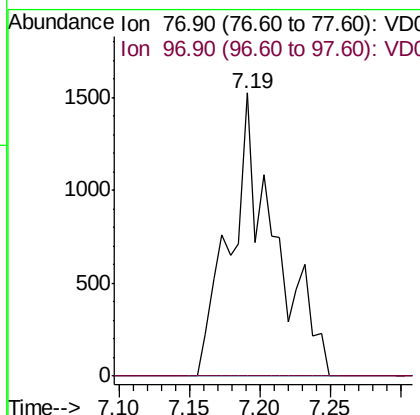
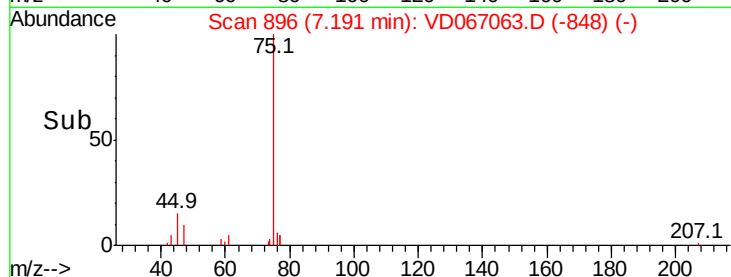
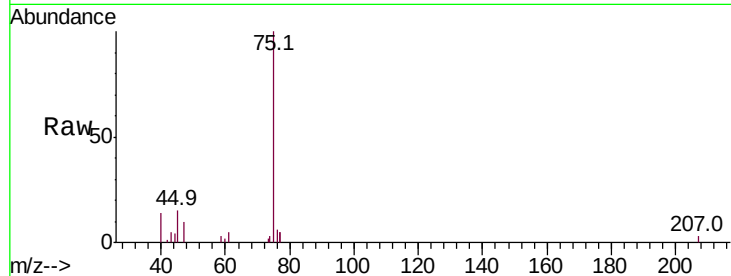




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.19 min Scan# 896
Delta R.T. -0.02 min
Lab File: VD067063.D
Acq: 03 Oct 2020 05:11

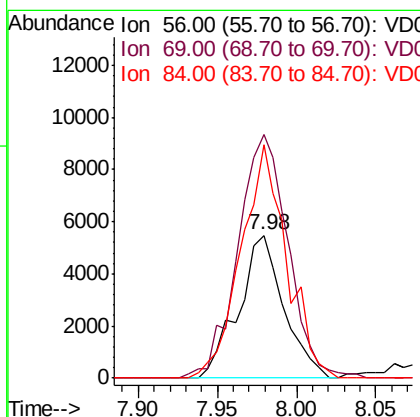
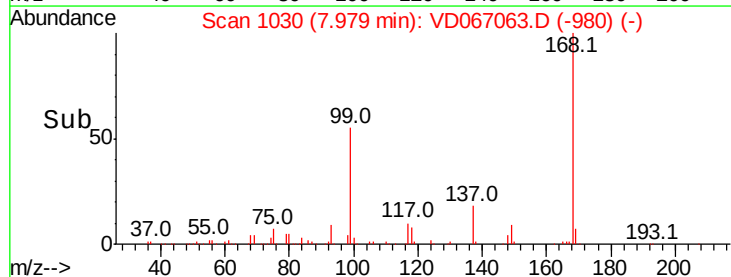
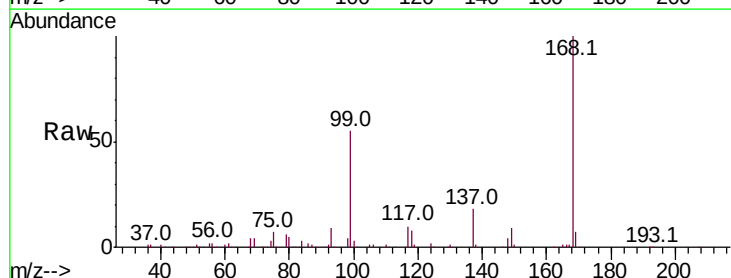
Instrument :
MSVOA_D
ClientSampleId :
B-19(7-9)

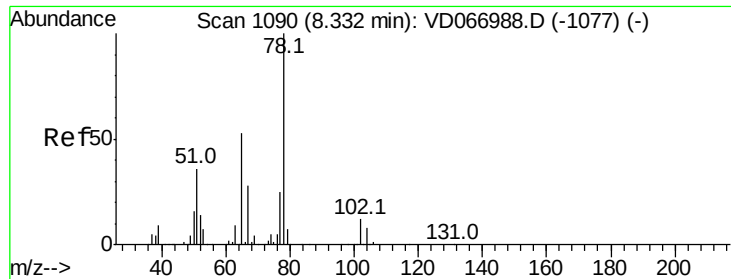
Tot Ion: 77 Resp: 3352
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#31
Cyclohexane
Concen: 1.312 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067063.D
Acq: 03 Oct 2020 05:11

Tgt Ion: 56 Resp: 10873
Ion Ratio Lower Upper
56 100
69 167.4 29.0 43.6#
84 163.8 74.2 111.2#

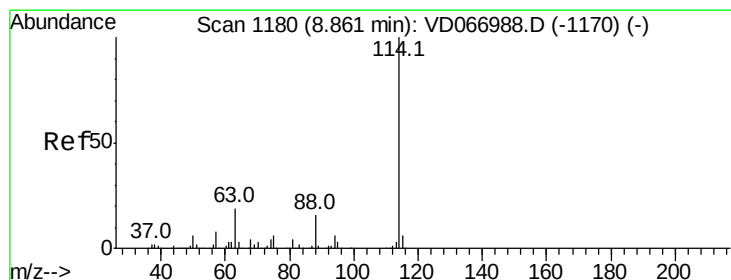
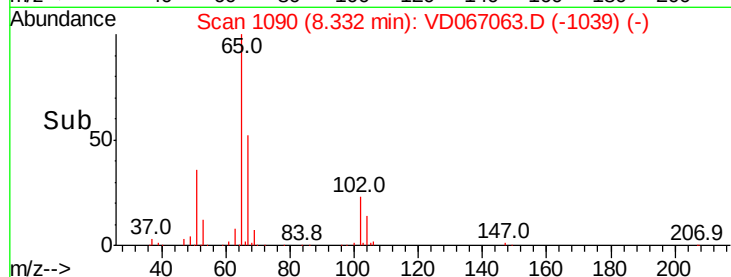
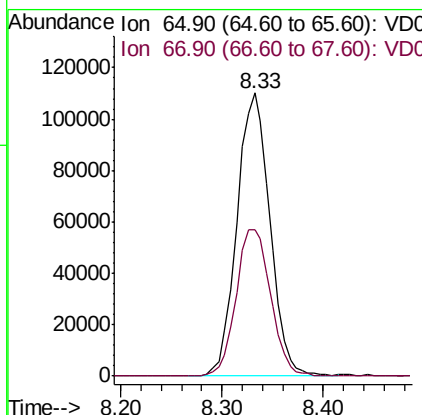
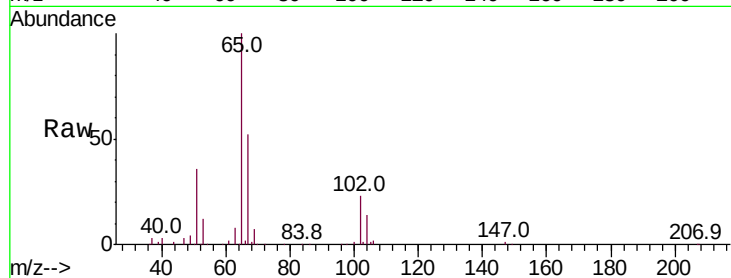




#33
 1,2-Dichloroethane-d4
 Concen: 44.992 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067063.D
 Acq: 03 Oct 2020 05:11

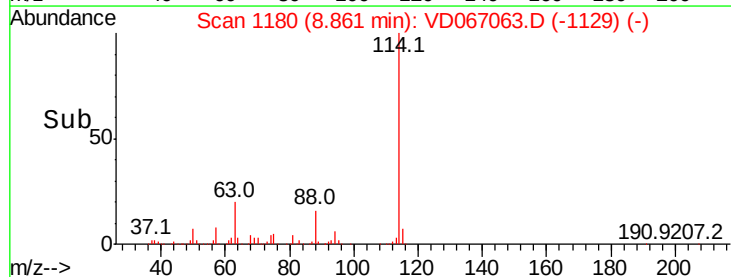
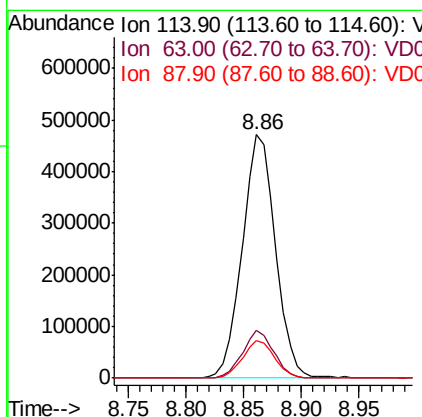
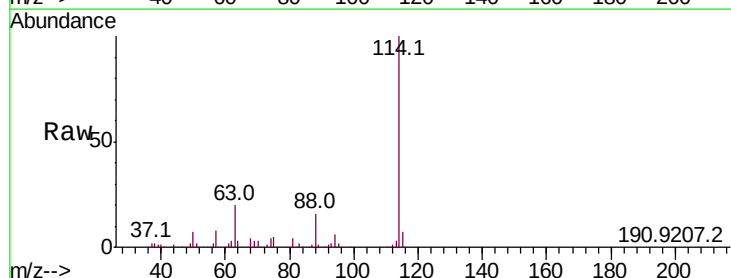
Instrument :
 MSVOA_D
 ClientSampleId :
 B-19(7-9)

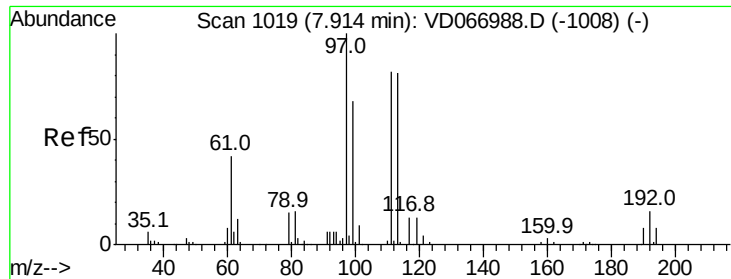
Tot Ion: 65 Resp: 248321
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD067063.D
 Acq: 03 Oct 2020 05:11

Tgt Ion: 114 Resp: 940497
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 38.4
 88 15.7 0.0 31.2

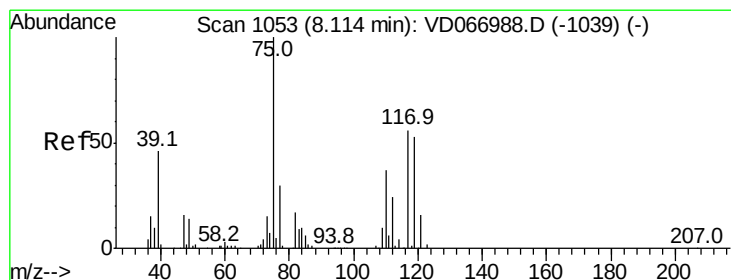
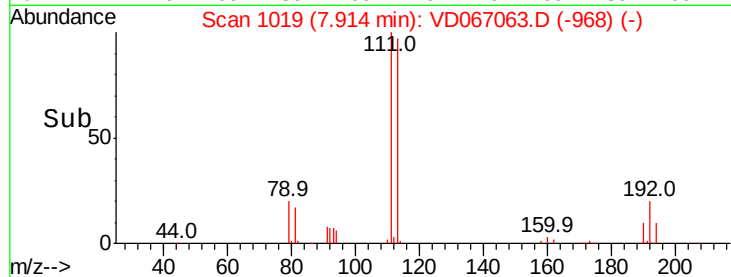
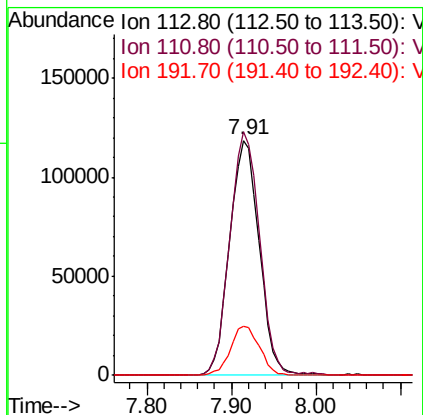
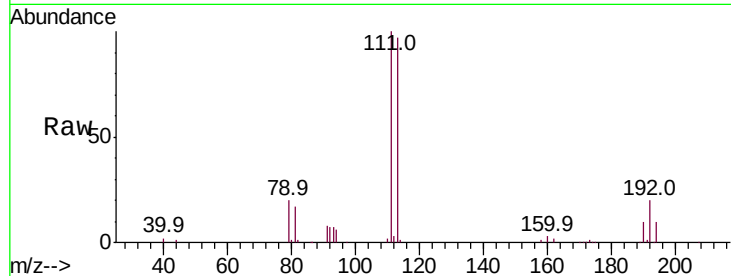




#35
 Dibromofluoromethane
 Concen: 46.611 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067063.D
 Acq: 03 Oct 2020 05:11

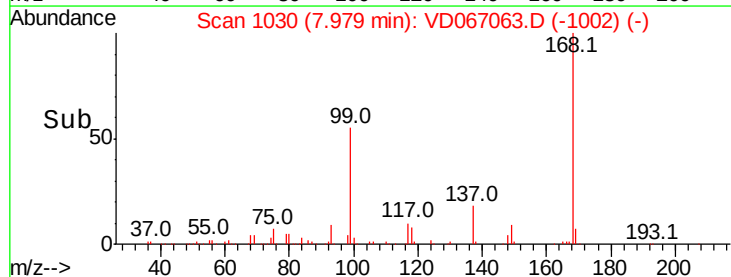
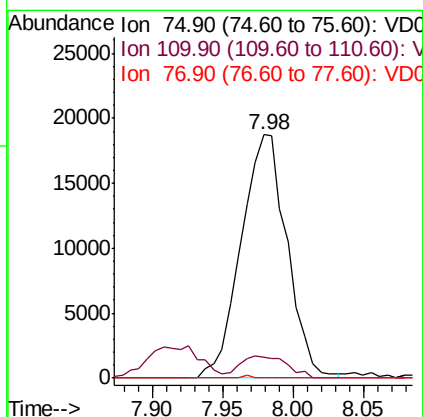
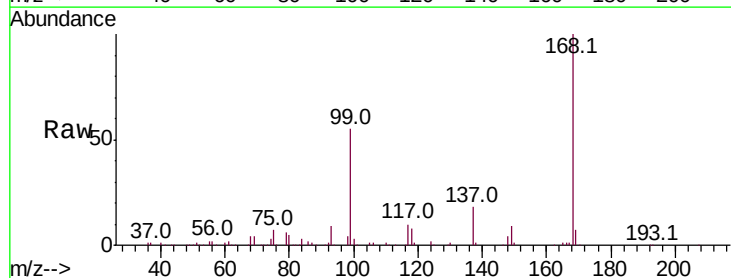
Instrument :
 MSVOA_D
 ClientSampleId :
 B-19(7-9)

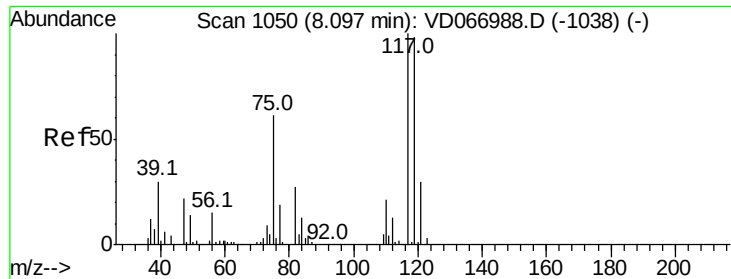
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.0	124.4
192	20.7	15.5	23.3



#36
 1,1-Dichloropropene
 Concen: 4.873 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067063.D
 Acq: 03 Oct 2020 05:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.4	55.0#
77	0.2	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.113 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067063.D

Acq: 03 Oct 2020 05:11

Instrument :

MSVOA_D

ClientSampleId :

B-19(7-9)

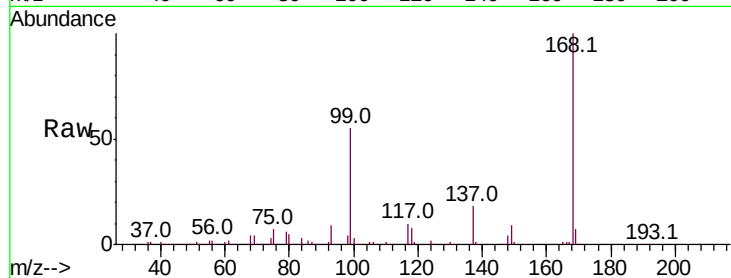
Tot Ion:117 Resp: 57984

Ion Ratio Lower Upper

117 100

119 5.6 78.7 118.1#

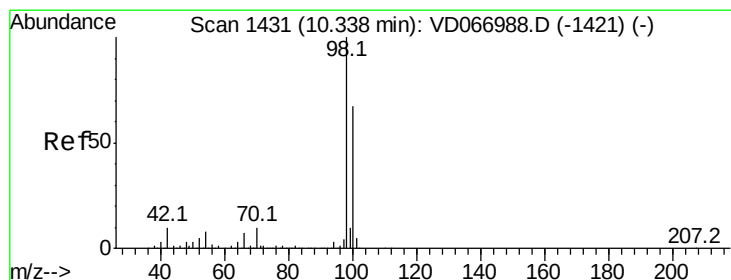
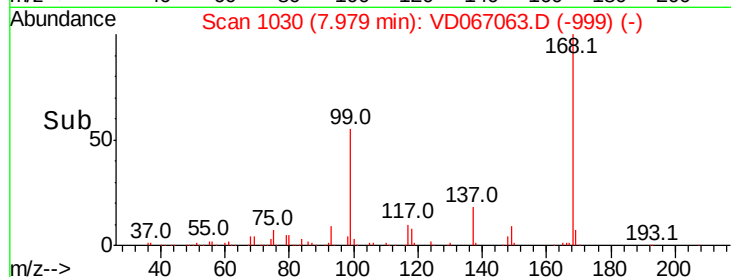
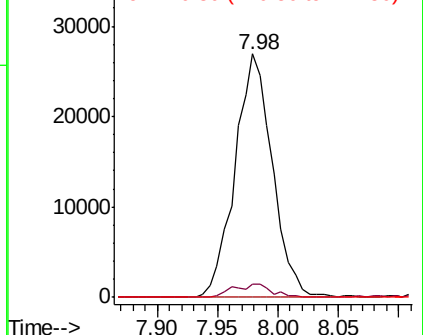
121 0.0 24.2 36.2#



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



#50

Toluene-d8

Concen: 49.465 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067063.D

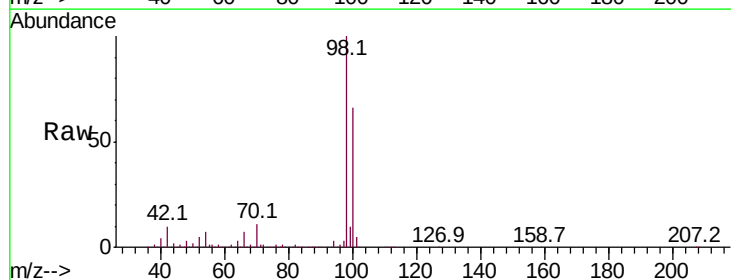
Acq: 03 Oct 2020 05:11

Tgt Ion: 98 Resp: 1109817

Ion Ratio Lower Upper

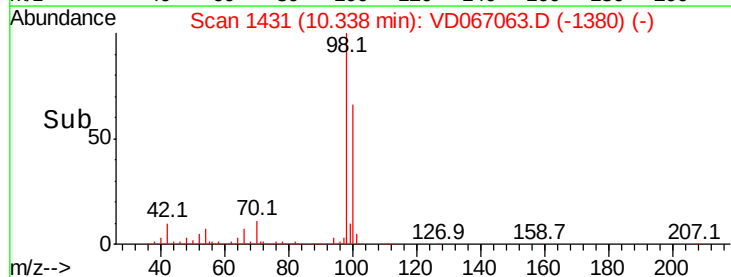
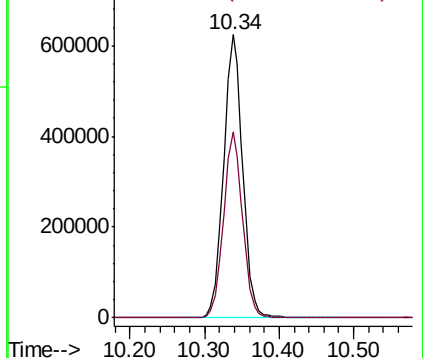
98 100

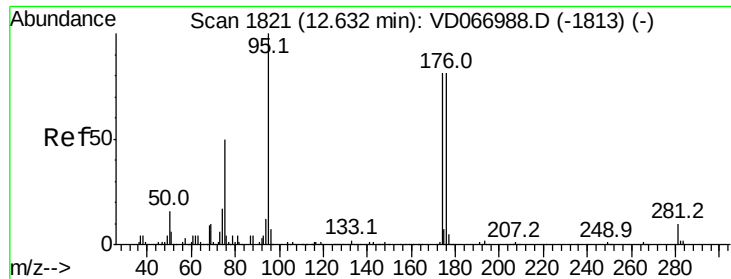
100 65.5 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

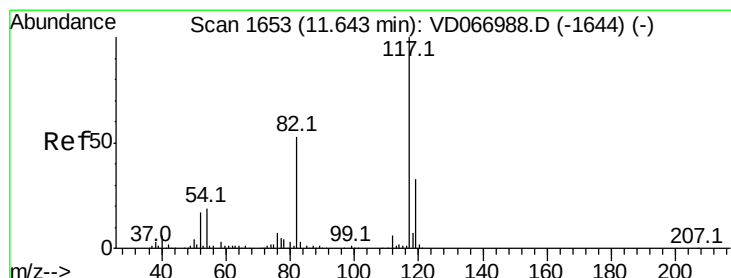
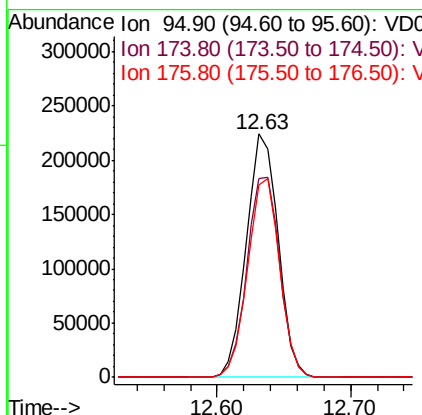
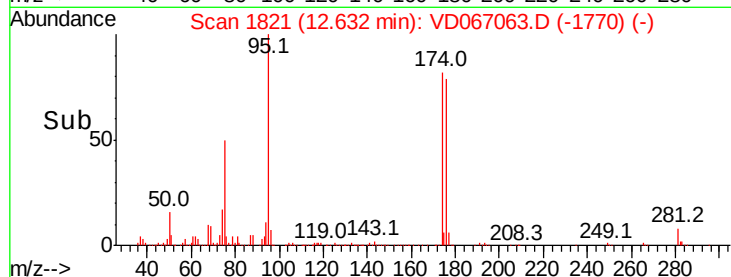
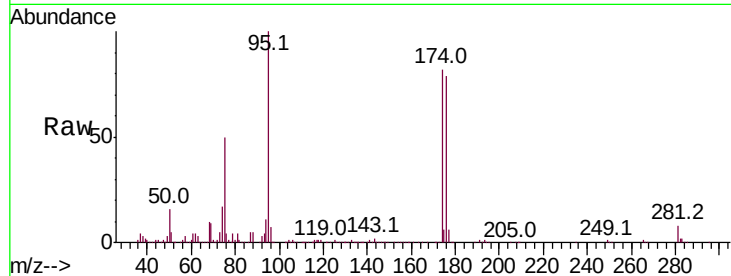




#62
 4-Bromofluorobenzene
 Concen: 48.378 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD067063.D
 Acq: 03 Oct 2020 05:11

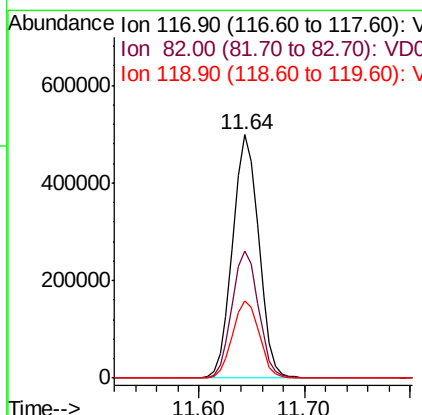
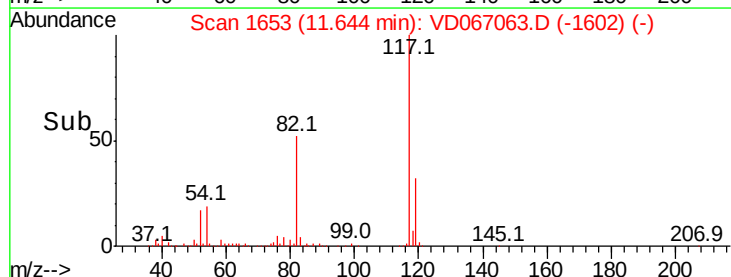
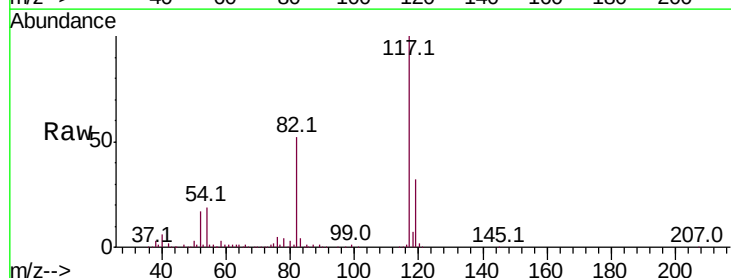
Instrument :
 MSVOA_D
 ClientSampled :
 B-19(7-9)

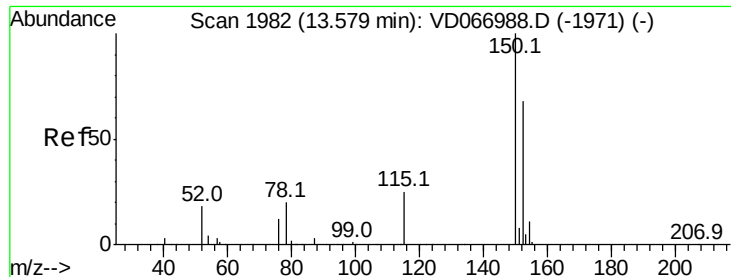
Tot Ion:	95	Resp:	368477
Ion	Ratio	Lower	Upper
95	100		
174	84.9	0.0	167.6
176	82.0	0.0	162.4



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.64 min Scan# 1653
 Delta R.T. 0.00 min
 Lab File: VD067063.D
 Acq: 03 Oct 2020 05:11

Tgt Ion:	117	Resp:	852519
Ion	Ratio	Lower	Upper
117	100		
82	52.0	42.6	63.8
119	31.9	26.3	39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067063.D

Acq: 03 Oct 2020 05:11

Instrument :

MSVOA_D

ClientSampled :

B-19(7-9)

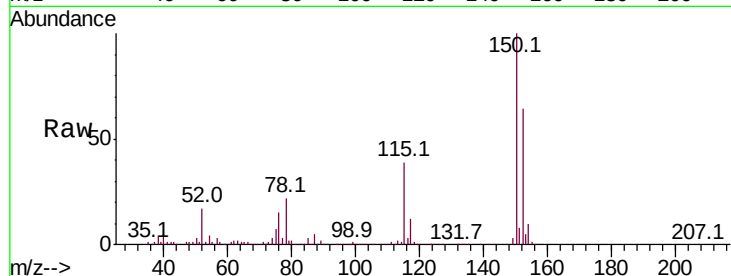
Tot Ion:152 Resp: 401732

Ion Ratio Lower Upper

152 100

115 59.0 29.6 88.8

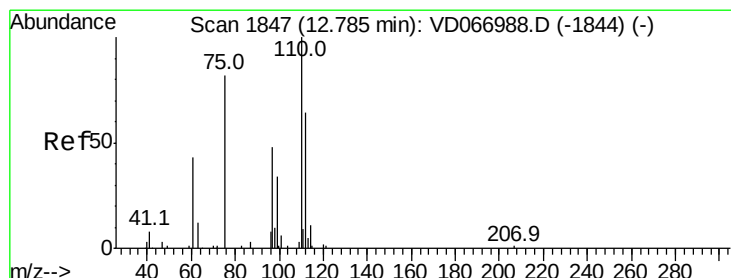
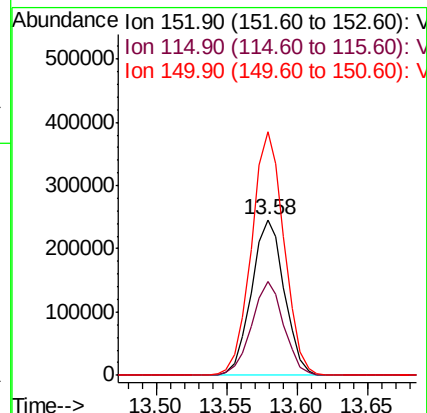
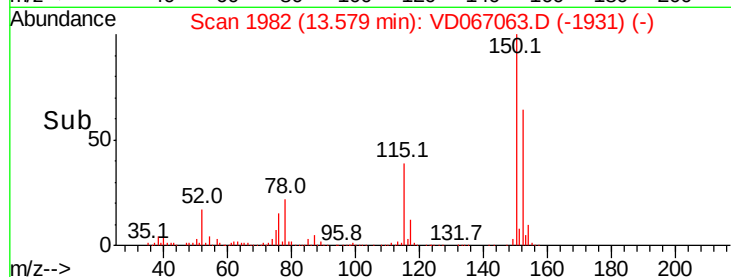
150 154.9 0.0 344.8



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: 52.505 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD067063.D

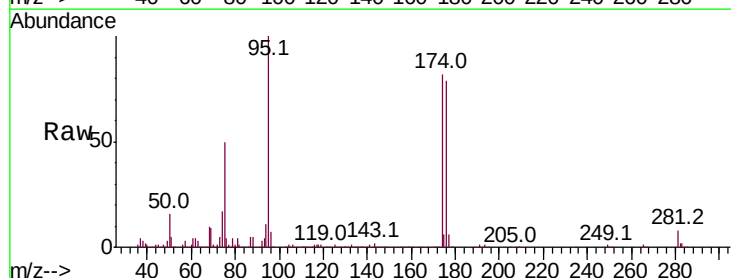
Acq: 03 Oct 2020 05:11

Tgt Ion: 75 Resp: 183725

Ion Ratio Lower Upper

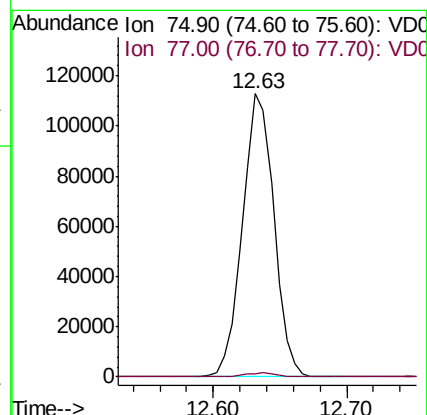
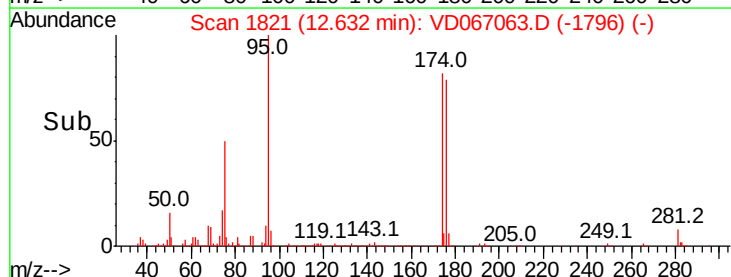
75 100

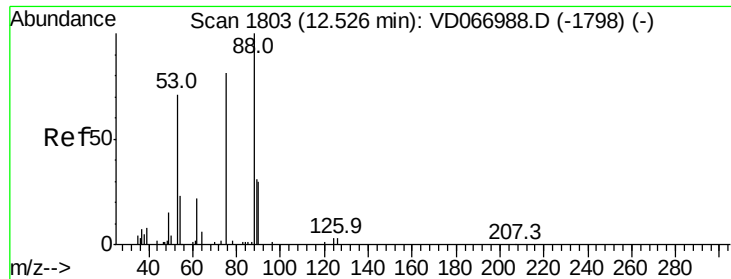
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

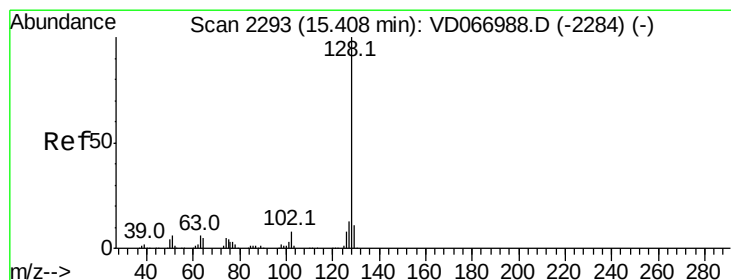
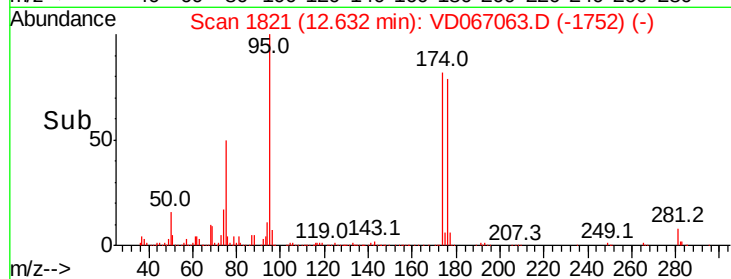
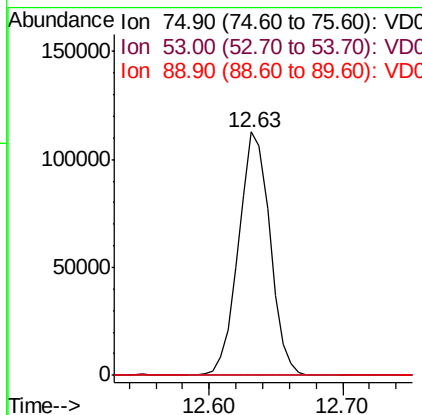
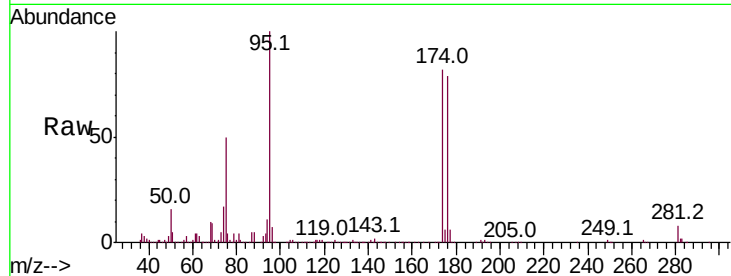




#81
trans-1,4-Dichloro-2-butene
Concen: 130.901 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.11 min
Lab File: VD067063.D
Acq: 03 Oct 2020 05:11

Instrument :
MSVOA_D
ClientSampleId :
B-19(7-9)

Tot Ion: 75 Resp: 183725
Ion Ratio Lower Upper
75 100
53 0.1 73.8 110.6#
89 0.1 38.9 58.3#



#95
Naphthalene
Concen: 39.583 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD067063.D
Acq: 03 Oct 2020 05:11

Tgt Ion: 128 Resp: 478506
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 10.7 8.6 13.0

