

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\
 Data File : VD067062.D
 Acq On : 03 Oct 2020 04:44
 Operator : VA/SY
 Sample : L4247-08
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-19(5-7)

Quant Time: Oct 03 06:51:26 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	574424	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	938637	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	878630	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	407191	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	263044	47.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.08%	
35) Dibromofluoromethane	7.91	113	293645	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	
50) Toluene-d8	10.34	98	1106427	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
62) 4-Bromofluorobenzene	12.63	95	383522	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	

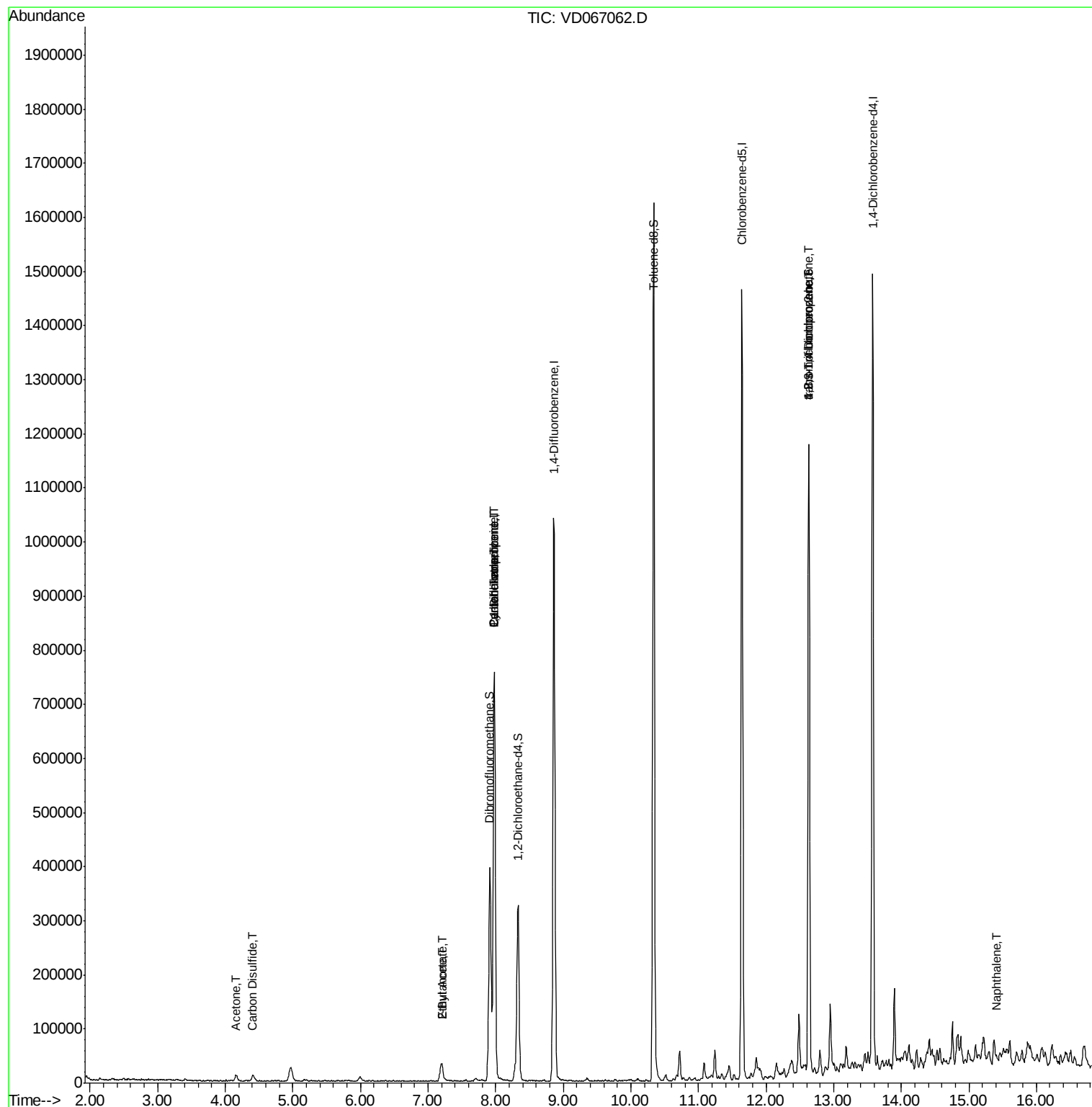
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.99	85	1730	Below Cal		94
5) Bromomethane	2.77	94	596	Below Cal		87
11) Tert butyl alcohol	5.20	59	1310	Below Cal	#	72
16) Acetone	4.16	43	17306	20.490	ug/l #	86
17) Carbon Disulfide	4.41	76	22941	1.380	ug/l	95
20) Methylene Chloride	4.97	84	22535	Below Cal	#	87
25) 2-Butanone	7.21	43	5073	4.237	ug/l	98
26) 2,2-Dichloropropane	7.20	77	1826	Below Cal	#	53
31) Cyclohexane	7.98	56	11601	1.396	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	42961	4.910	ug/l #	49
37) Ethyl Acetate	7.21	43	5073	1.674	ug/l #	51
38) Carbon Tetrachloride	7.98	117	57703	6.096	ug/l #	16
76) 1,2,3-Trichloropropane	12.63	75	188068	53.025	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	188068	132.198	ug/l #	12
95) Naphthalene	15.41	128	12857	1.049	ug/l #	93

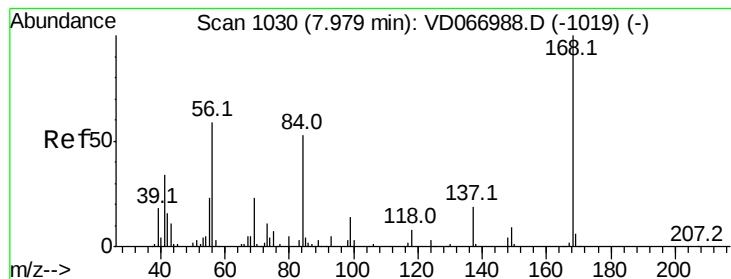
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067062.D

Acq: 03 Oct 2020 04:44

Instrument :

MSVOA_D

ClientSampleId :

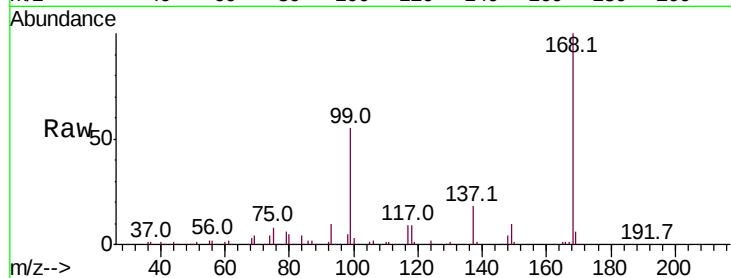
B-19(5-7)

Tot Ion:168 Resp: 574424

Ion Ratio Lower Upper

168 100

99 54.5 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

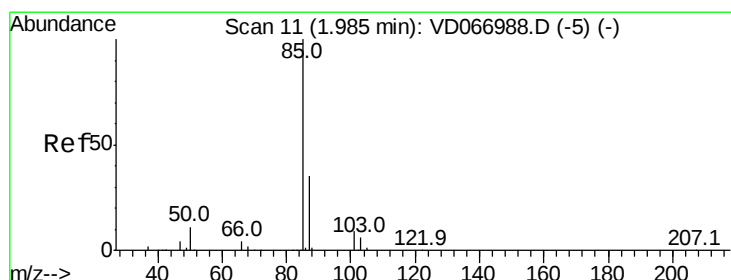
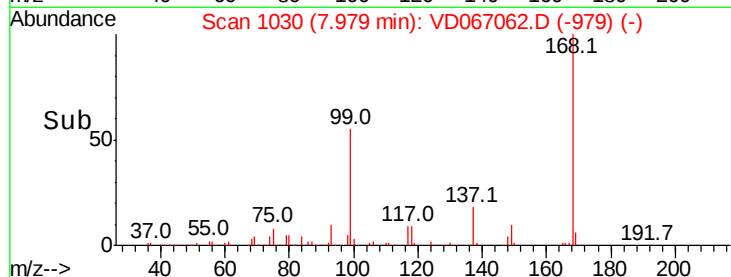
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067062.D

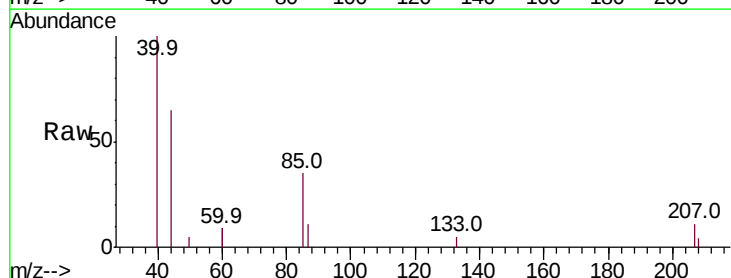
Acq: 03 Oct 2020 04:44

Tgt Ion: 85 Resp: 1730

Ion Ratio Lower Upper

85 100

87 31.0 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

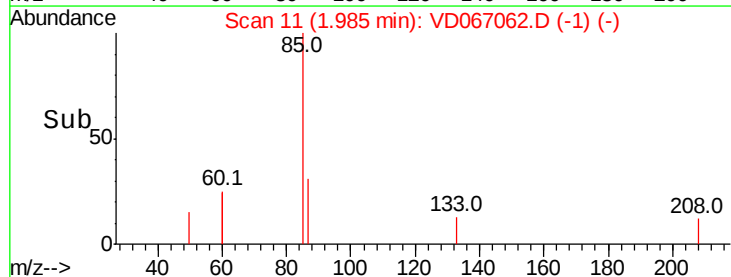
1500

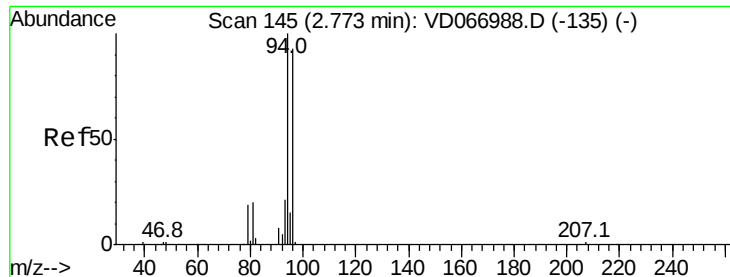
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067062.D

Acq: 03 Oct 2020 04:44

Instrument :

MSVOA_D

ClientSampleId :

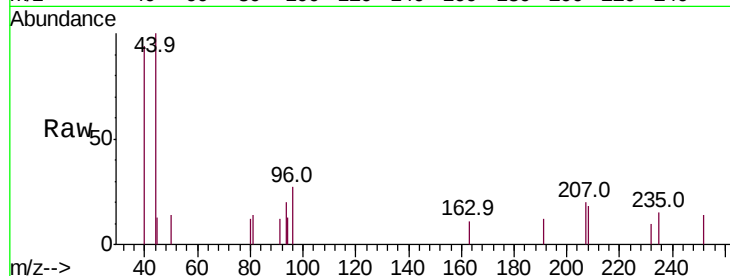
B-19(5-7)

Tot Ion: 94 Resp: 596

Ion Ratio Lower Upper

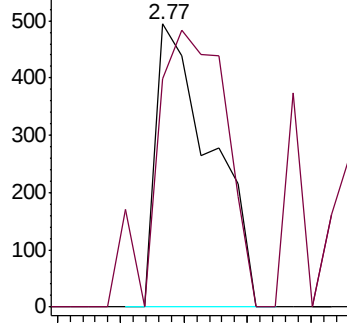
94 100

96 80.8 74.6 112.0

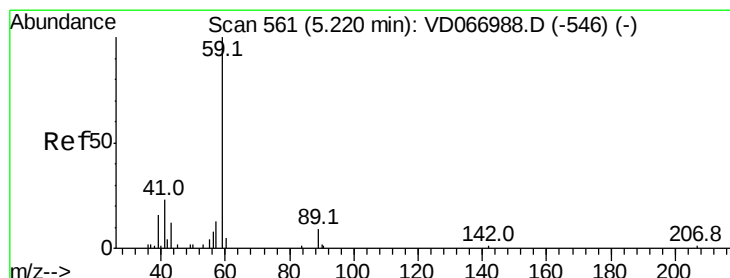
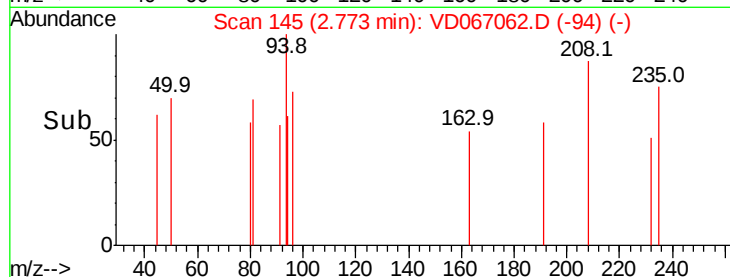


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 557

Delta R.T. -0.02 min

Lab File: VD067062.D

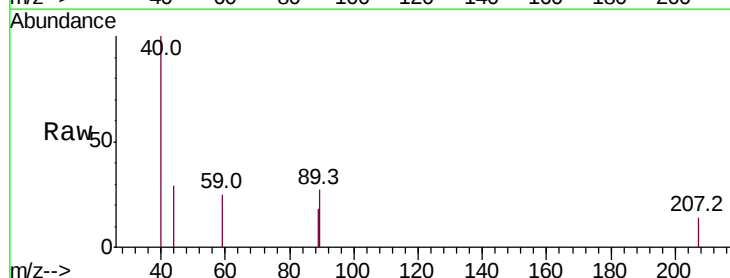
Acq: 03 Oct 2020 04:44

Tgt Ion: 59 Resp: 1310

Ion Ratio Lower Upper

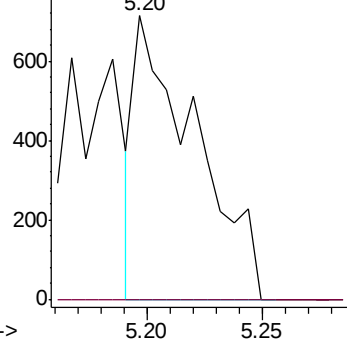
59 100

57 0.0 8.2 12.4#

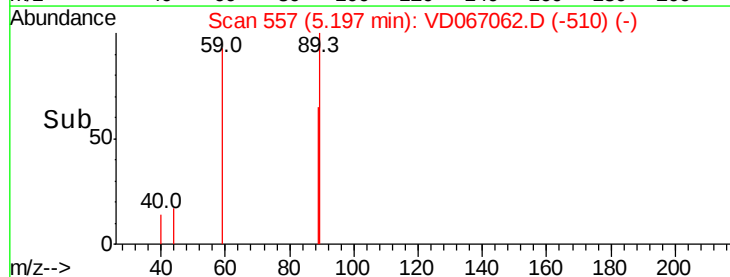


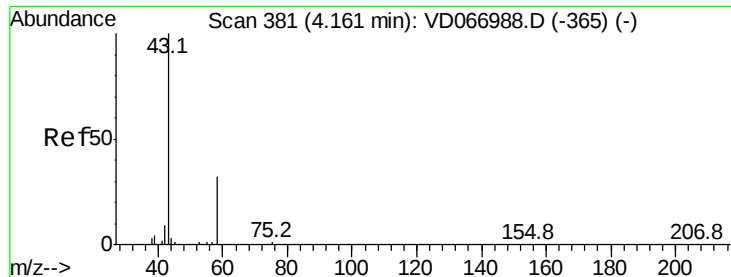
Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



Time-->





#16

Acetone

Concen: 20.490 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD067062.D

Acq: 03 Oct 2020 04:44

Instrument :

MSVOA_D

ClientSampleId :

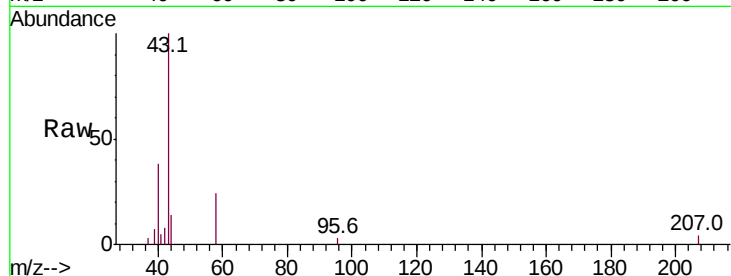
B-19(5-7)

Tot Ion: 43 Resp: 17306

Ion Ratio Lower Upper

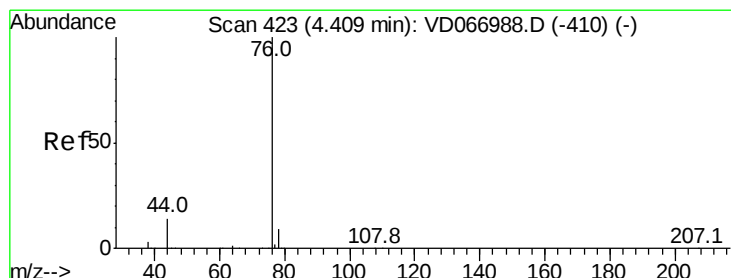
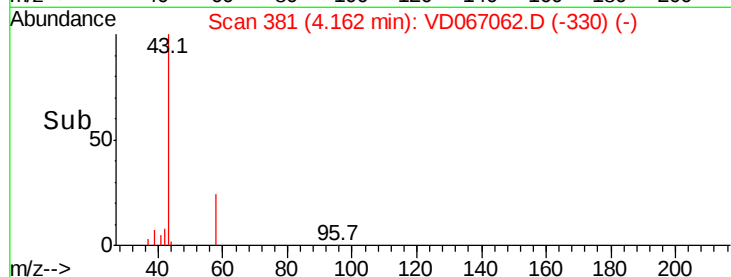
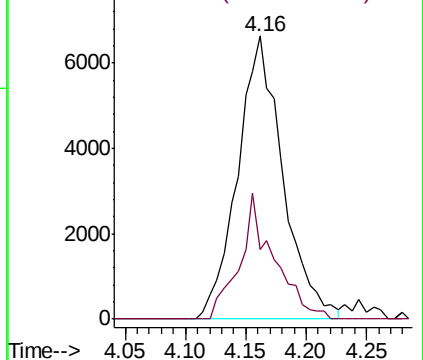
43 100

58 24.5 25.9 38.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#17

Carbon Disulfide

Concen: 1.380 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD067062.D

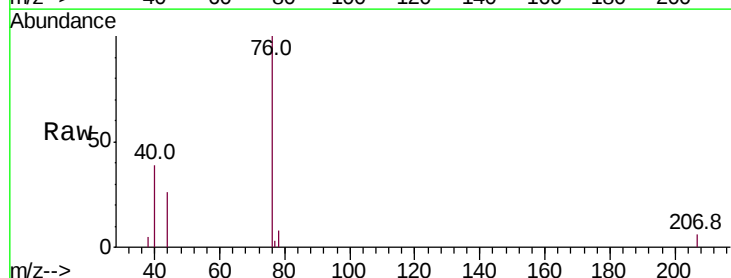
Acq: 03 Oct 2020 04:44

Tgt Ion: 76 Resp: 22941

Ion Ratio Lower Upper

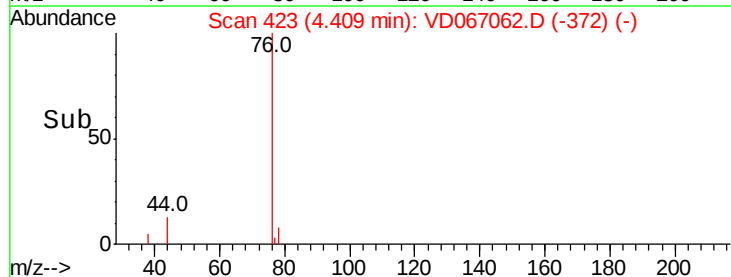
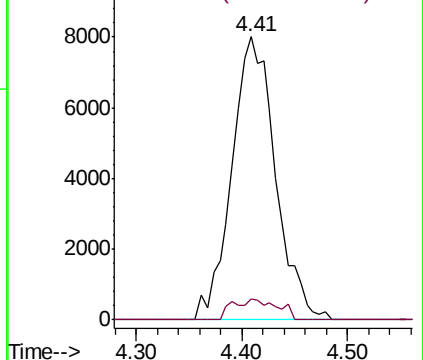
76 100

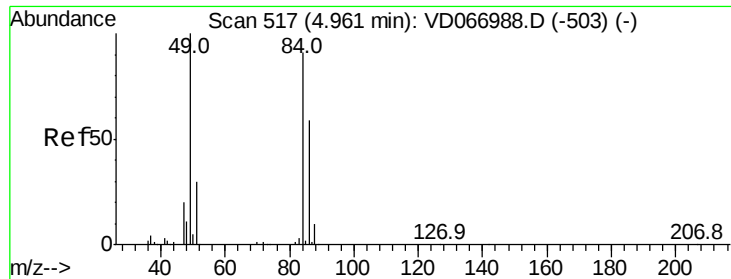
78 7.6 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

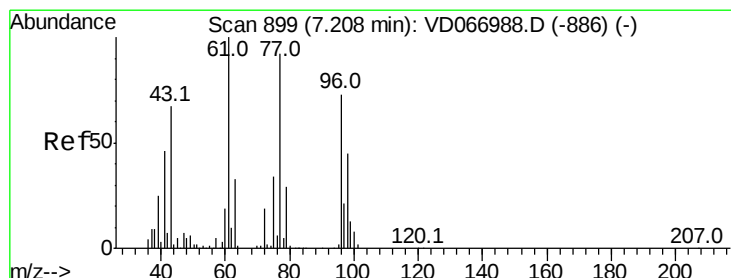
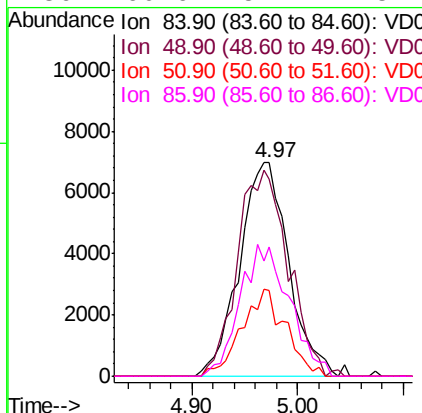
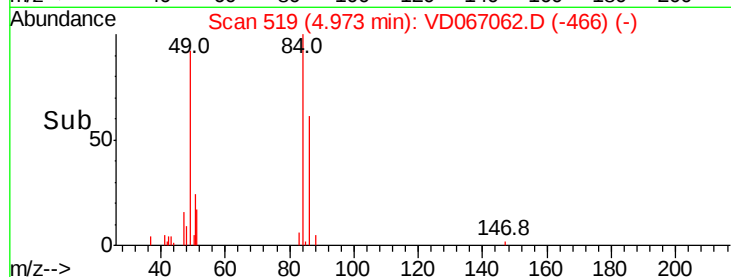
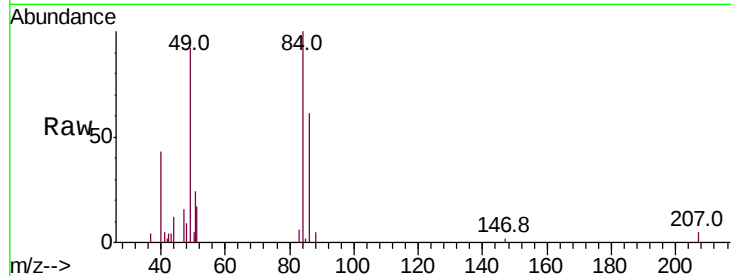




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD067062.D
Acq: 03 Oct 2020 04:44

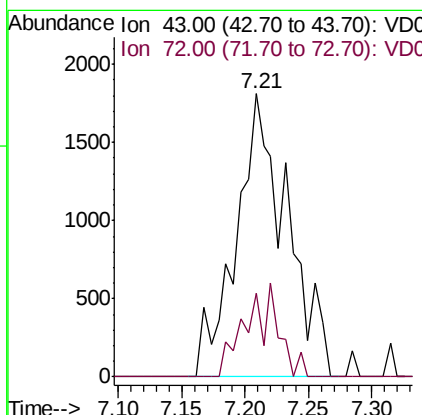
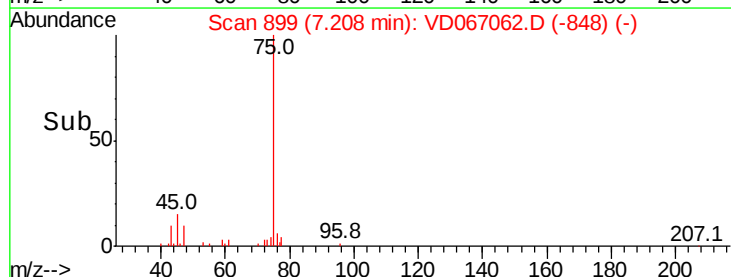
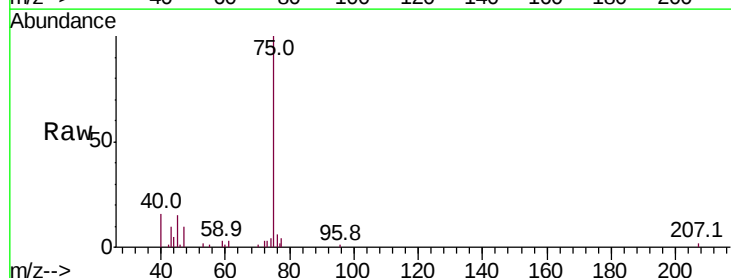
Instrument :
MSVOA_D
ClientSampleId :
B-19(5-7)

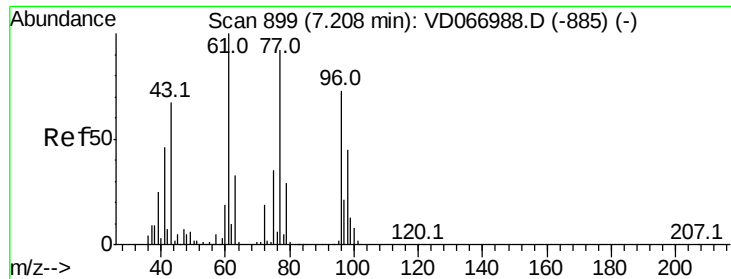
Tot Ion: 84 Resp: 22535
Ion Ratio Lower Upper
84 100
49 92.2 88.2 132.2
51 40.4 26.6 39.8#
86 60.6 52.1 78.1



#25
2-Butanone
Concen: 4.237 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067062.D
Acq: 03 Oct 2020 04:44

Tgt Ion: 43 Resp: 5073
Ion Ratio Lower Upper
43 100
72 29.8 22.8 34.2

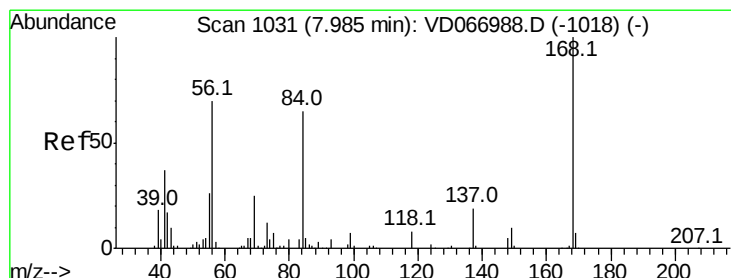
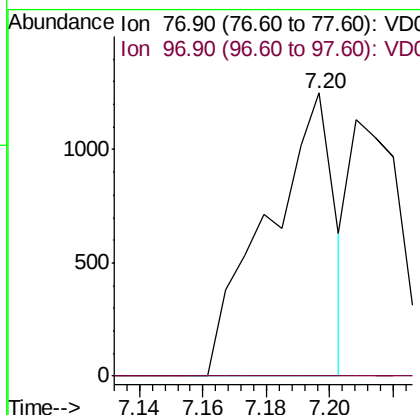
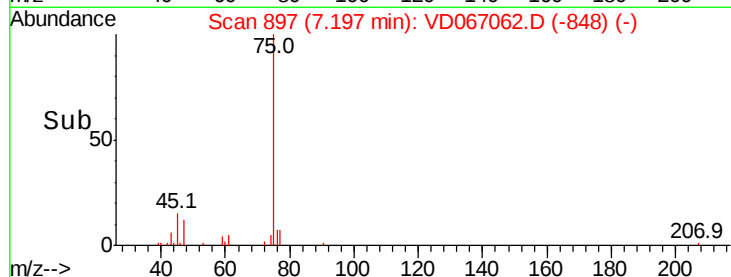
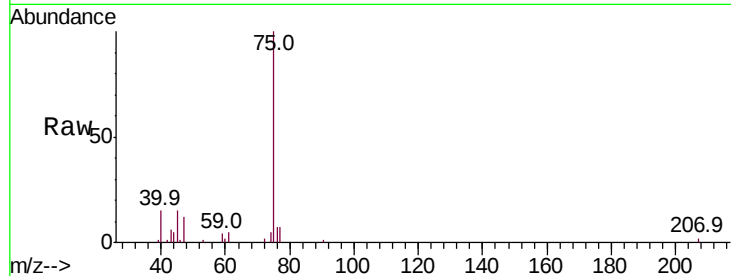




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.20 min Scan# 897
Delta R.T. -0.01 min
Lab File: VD067062.D
Acq: 03 Oct 2020 04:44

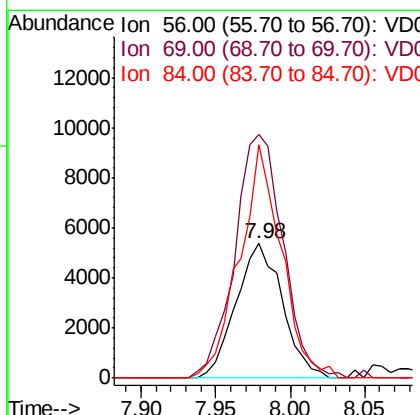
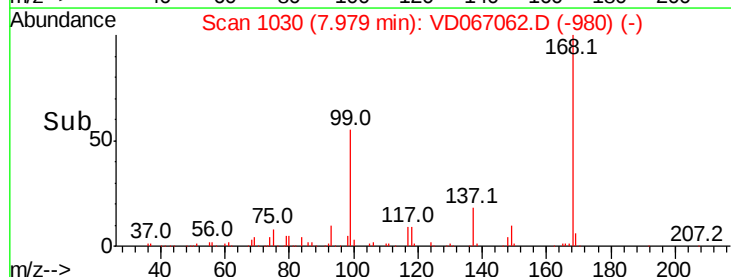
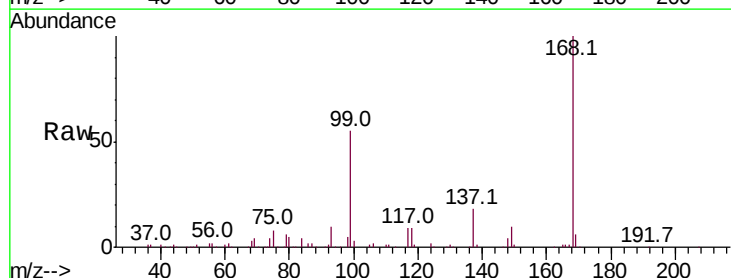
Instrument :
MSVOA_D
ClientSampleId :
B-19(5-7)

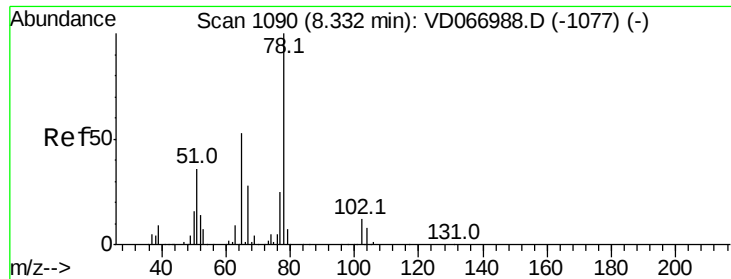
Tot Ion: 77 Resp: 1826
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#31
Cyclohexane
Concen: 1.396 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067062.D
Acq: 03 Oct 2020 04:44

Tgt Ion: 56 Resp: 11601
Ion Ratio Lower Upper
56 100
69 180.8 29.0 43.6#
84 173.7 74.2 111.2#





#33

1,2-Dichloroethane-d4

Concen: 47.542 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067062.D

Acq: 03 Oct 2020 04:44

Instrument :

MSVOA_D

ClientSampled :

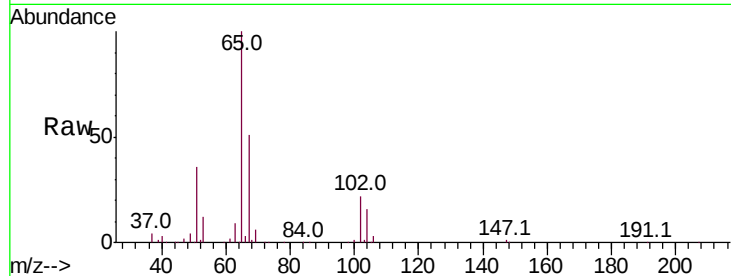
B-19(5-7)

Tot Ion: 65 Resp: 263044

Ion Ratio Lower Upper

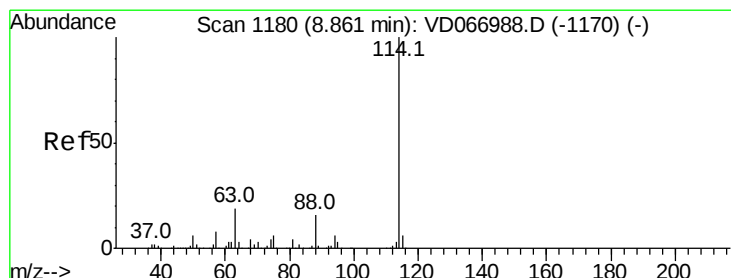
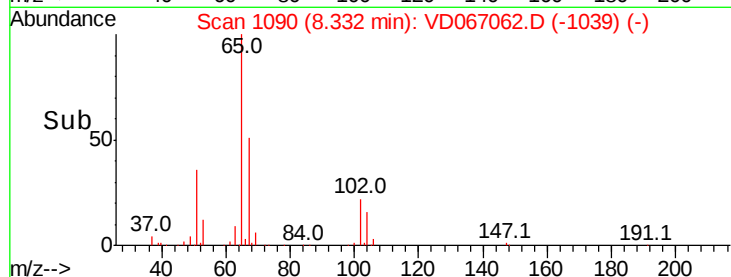
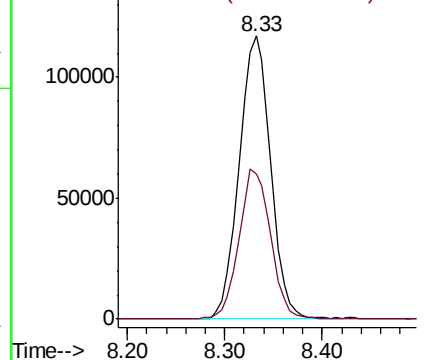
65 100

67 53.3 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD067062.D

Acq: 03 Oct 2020 04:44

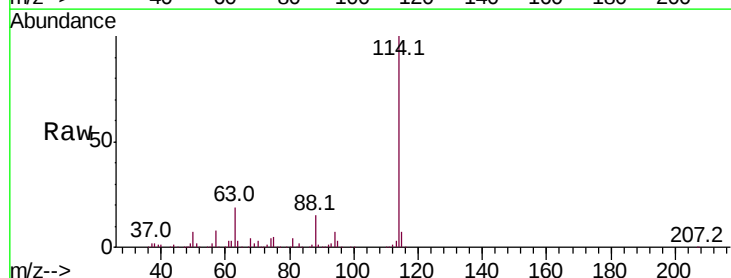
Tgt Ion: 114 Resp: 938637

Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.4

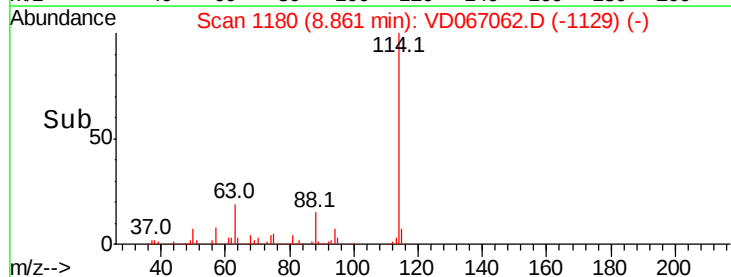
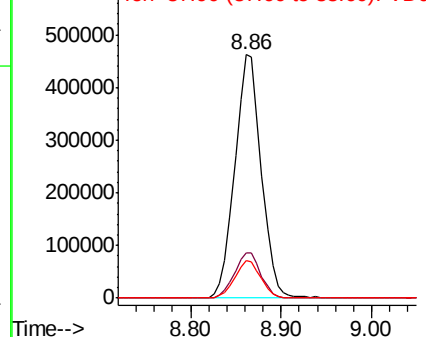
88 15.2 0.0 31.2

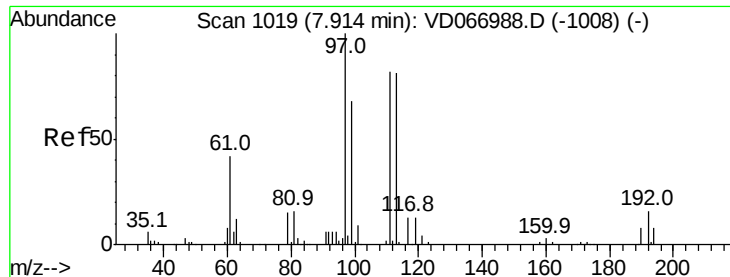


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

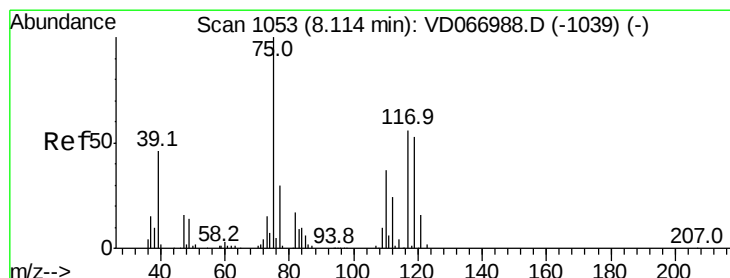
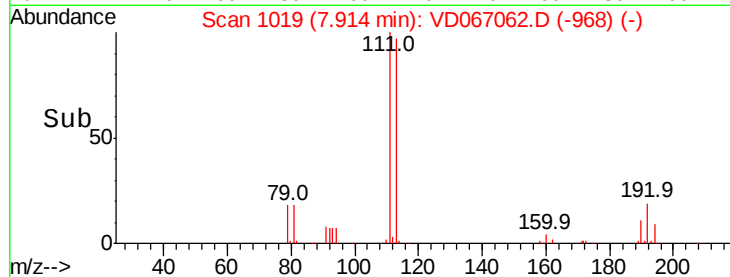
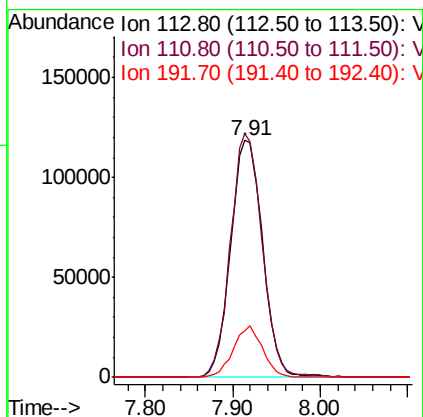
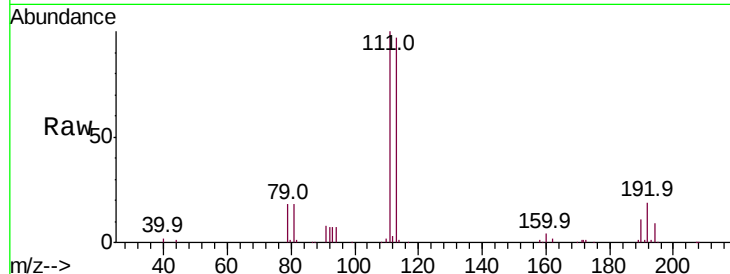




#35
Dibromofluoromethane
Concen: 47.785 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD067062.D
Acq: 03 Oct 2020 04:44

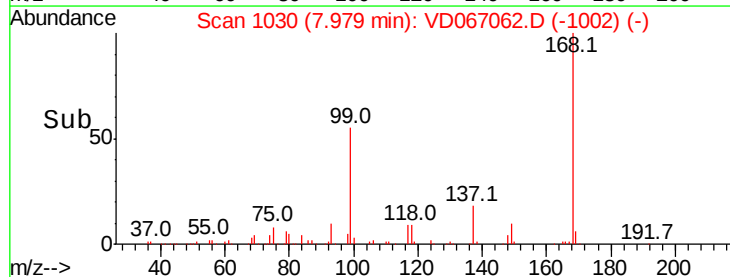
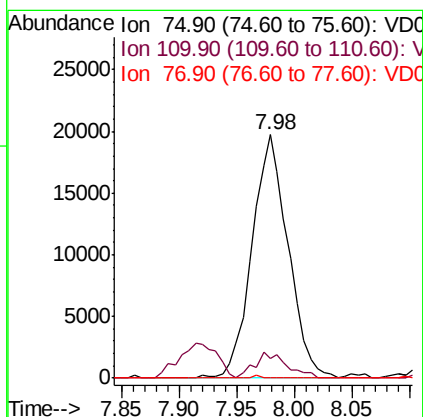
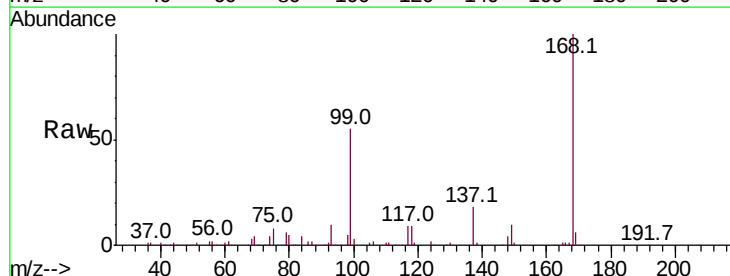
Instrument :
MSVOA_D
ClientSampleId :
B-19(5-7)

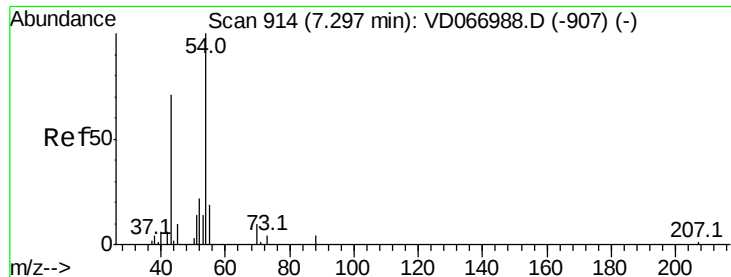
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	83.0	124.4
192	20.0	15.5	23.3



#36
1,1-Dichloropropene
Concen: 4.910 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.14 min
Lab File: VD067062.D
Acq: 03 Oct 2020 04:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	18.4	55.0#
77	0.2	24.8	37.2#

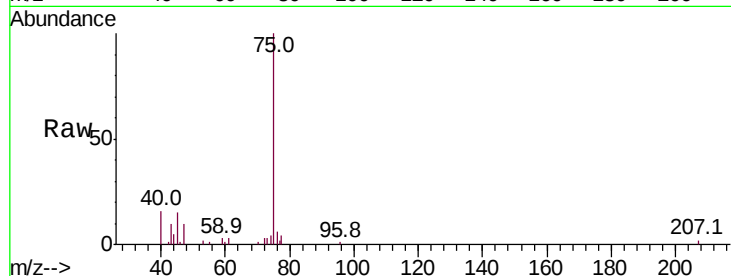




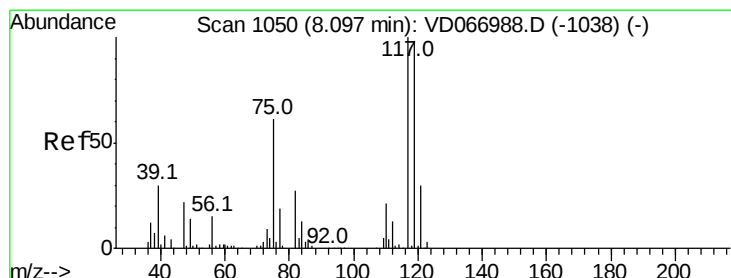
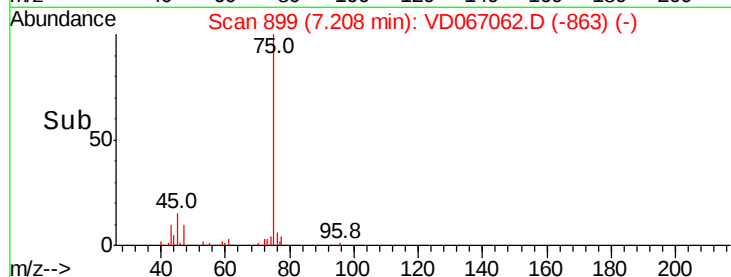
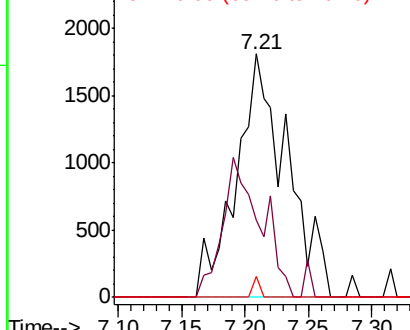
#37
Ethyl Acetate
Concen: 1.674 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.09 min
Lab File: VD067062.D
Acq: 03 Oct 2020 04:44

Instrument :
MSVOA_D
ClientSampleId :
B-19(5-7)

Tot Ion: 43 Resp: 5073
Ion Ratio Lower Upper
43 100
61 43.1 12.5 18.7#
70 1.1 9.4 14.0#

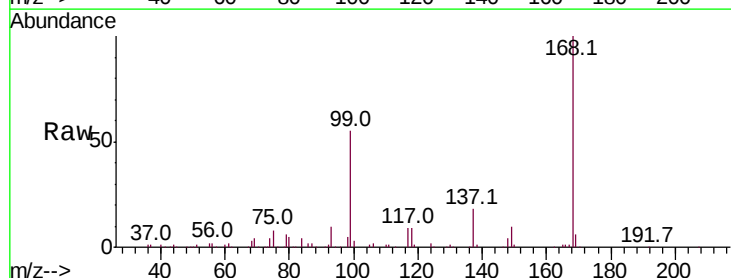


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

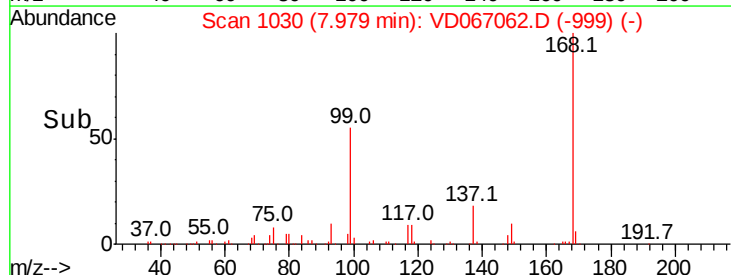
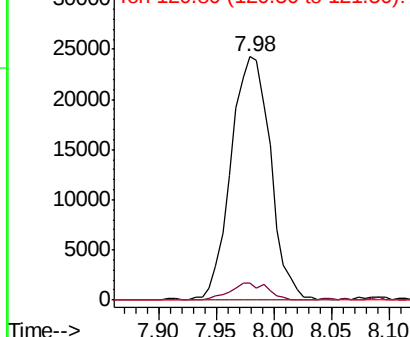


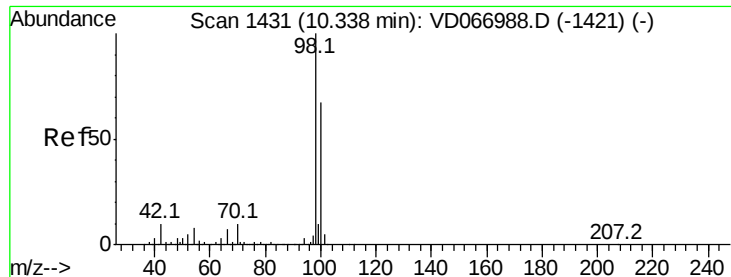
#38
Carbon Tetrachloride
Concen: 6.096 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD067062.D
Acq: 03 Oct 2020 04:44

Tgt Ion: 117 Resp: 57703
Ion Ratio Lower Upper
117 100
119 7.1 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: 49.412 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067062.D

Acq: 03 Oct 2020 04:44

Instrument :

MSVOA_D

ClientSampleId :

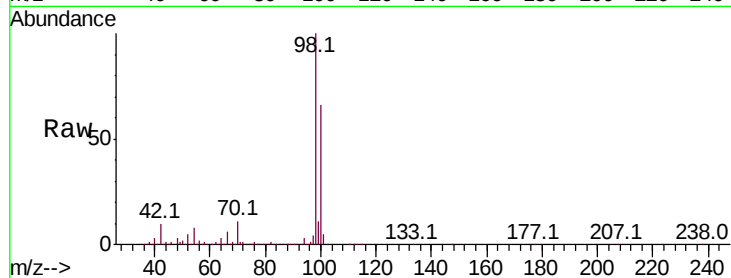
B-19(5-7)

Tot Ion: 98 Resp: 1106427

Ion Ratio Lower Upper

98 100

100 66.8 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

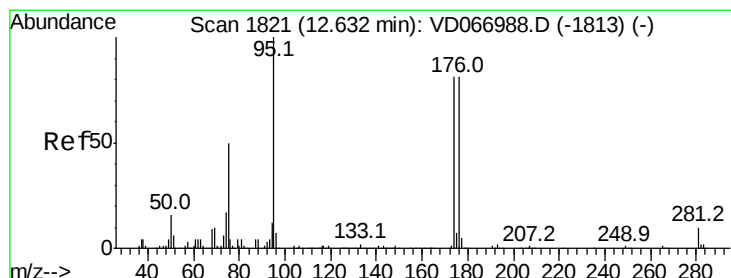
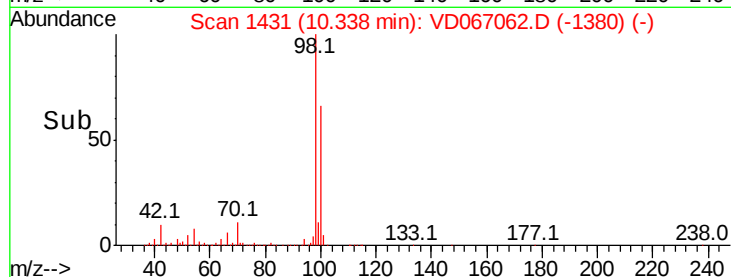
600000

400000

200000

0

Time--> 10.20 10.30 10.40 10.50



#62

4-Bromofluorobenzene

Concen: 50.453 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD067062.D

Acq: 03 Oct 2020 04:44

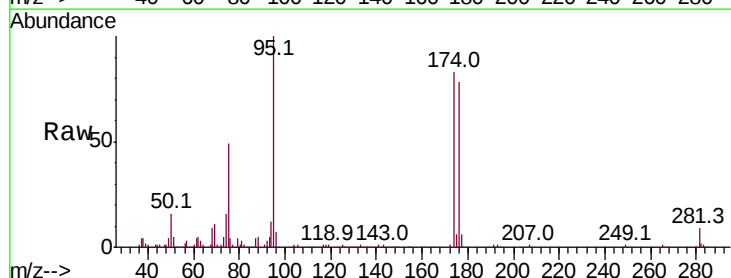
Tgt Ion: 95 Resp: 383522

Ion Ratio Lower Upper

95 100

174 82.7 0.0 167.6

176 80.4 0.0 162.4



Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

300000

250000

200000

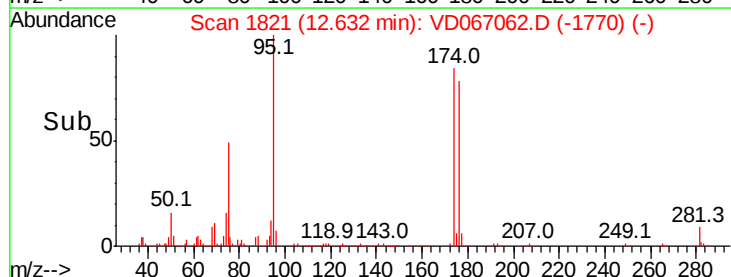
150000

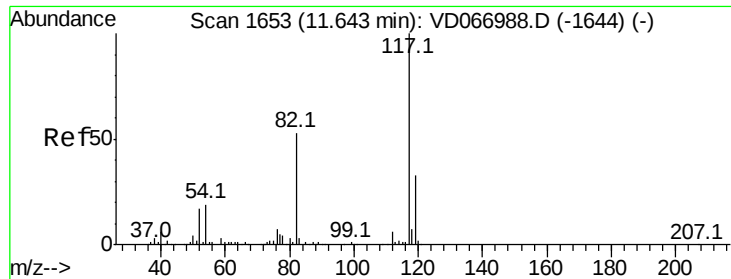
100000

50000

0

Time--> 12.50 12.60 12.70

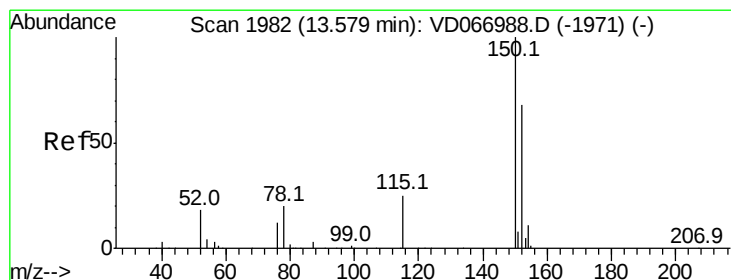
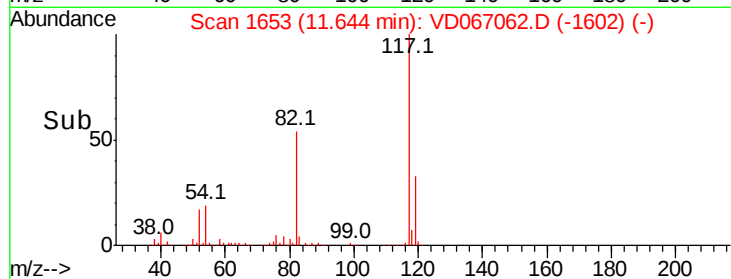
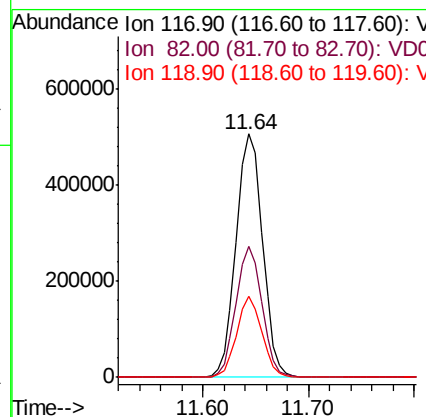
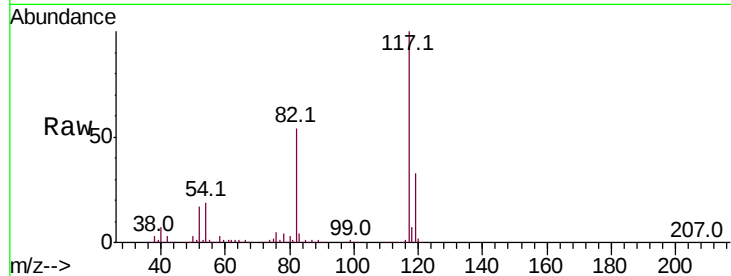




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067062.D
Acq: 03 Oct 2020 04:44

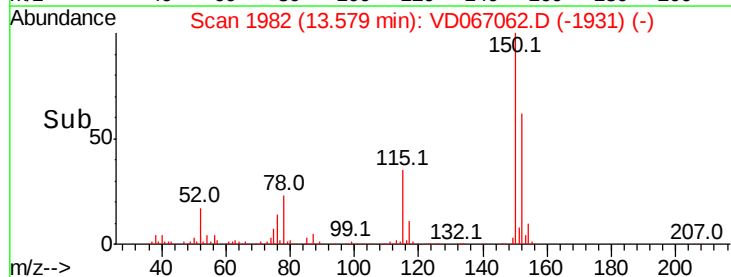
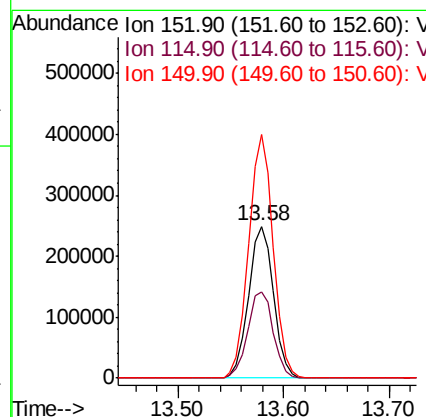
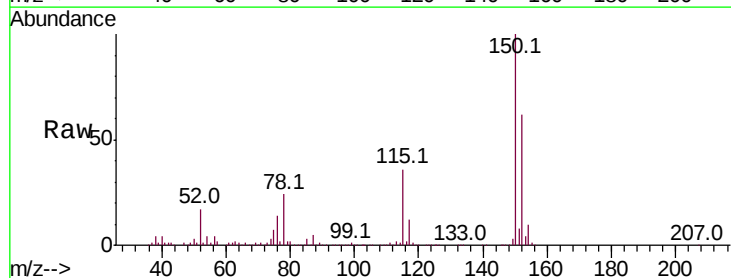
Instrument :
MSVOA_D
ClientSampleId :
B-19(5-7)

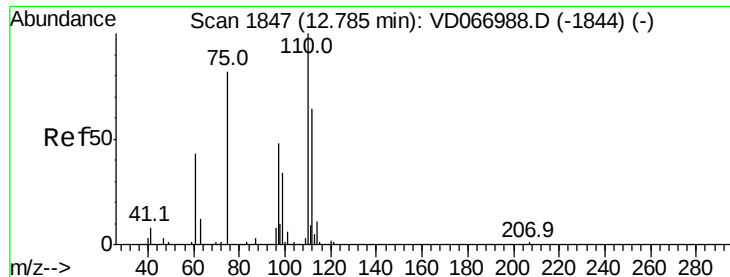
Tot Ion:117 Resp: 878630
Ion Ratio Lower Upper
117 100
82 53.6 42.6 63.8
119 33.1 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067062.D
Acq: 03 Oct 2020 04:44

Tgt Ion:152 Resp: 407191
Ion Ratio Lower Upper
152 100
115 58.3 29.6 88.8
150 157.8 0.0 344.8





#76

1,2,3-Trichloropropane

Concen: 53.025 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD067062.D

Acq: 03 Oct 2020 04:44

Instrument :

MSVOA_D

ClientSampleId :

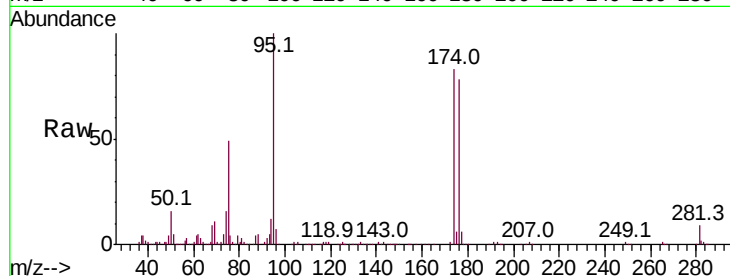
B-19(5-7)

Tot Ion: 75 Resp: 188068

Ion Ratio Lower Upper

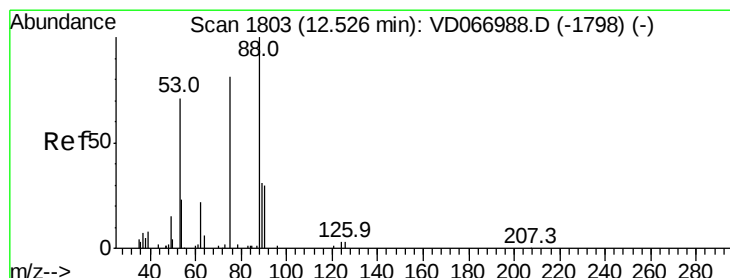
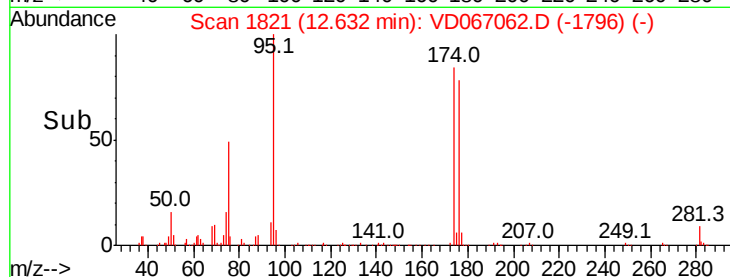
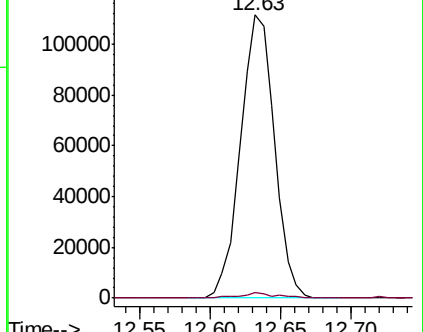
75 100

77 2.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 132.198 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.11 min

Lab File: VD067062.D

Acq: 03 Oct 2020 04:44

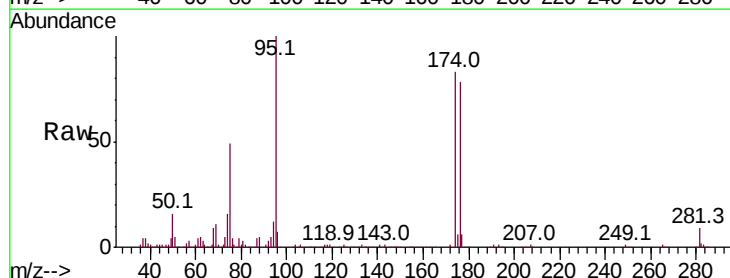
Tgt Ion: 75 Resp: 188068

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

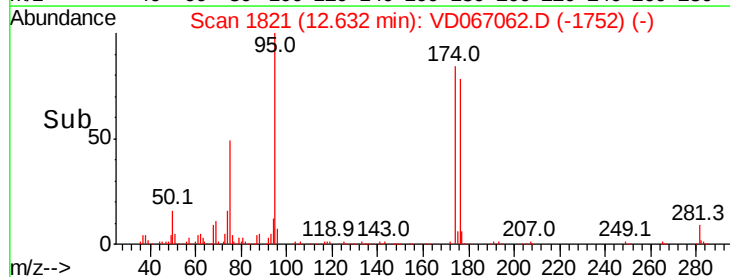
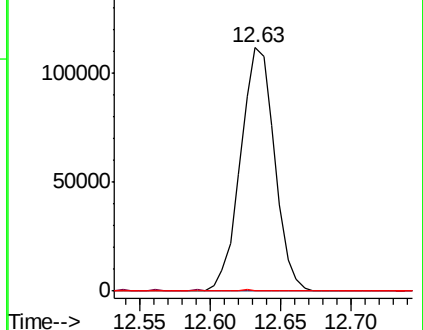
89 0.0 38.9 58.3#

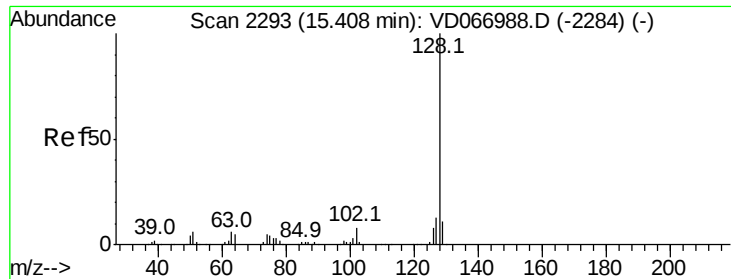


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#95

Naphthalene

Concen: 1.049 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD067062.D

Acq: 03 Oct 2020 04:44

Instrument :

MSVOA_D

ClientSampleId :

B-19(5-7)

Tot Ion:128 Resp: 12857

Ion Ratio Lower Upper

128 100

127 15.9 10.3 15.5#

129 8.0 8.6 13.0#

