

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\
 Data File : VD067060.D
 Acq On : 03 Oct 2020 03:49
 Operator : VA/SY
 Sample : L4247-06
 Misc : 5.08G/5.00ml/MSVOA D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-19(4-5)

Quant Time: Oct 03 06:51:12 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	581204	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	956143	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	881129	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	404456	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	265654	47.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.90%	
35) Dibromofluoromethane	7.91	113	297605	47.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.08%	
50) Toluene-d8	10.34	98	1126299	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
62) 4-Bromofluorobenzene	12.64	95	373941	48.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.58%	

Target Compounds

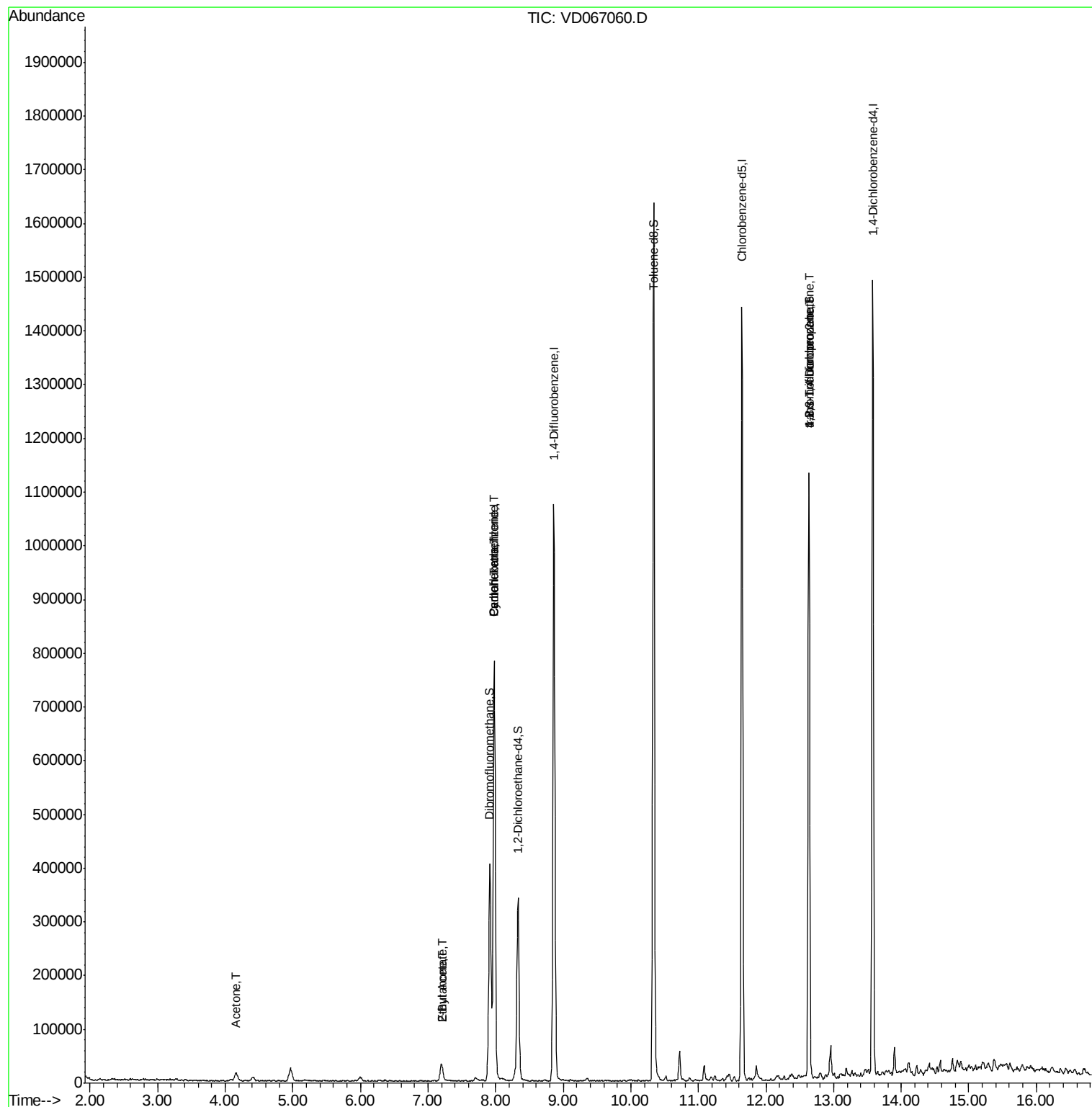
						Qvalue
2) Dichlorodifluoromethane	1.99	85	1497	Below Cal		86
5) Bromomethane	2.77	94	780	Below Cal		82
11) Tert butyl alcohol	5.19	59	940	Below Cal	#	90
16) Acetone	4.15	43	27306	31.953	ug/l	95
20) Methylene Chloride	4.97	84	18958	Below Cal		88
25) 2-Butanone	7.21	43	9084	7.498	ug/l	91
26) 2,2-Dichloropropane	7.18	77	1950	Below Cal	#	53
31) Cyclohexane	7.97	56	12211	1.452	ug/l	# 34
37) Ethyl Acetate	7.21	43	9084	2.942	ug/l	# 72
38) Carbon Tetrachloride	7.98	117	58809	6.099	ug/l	# 14
76) 1,2,3-Trichloropropane	12.64	75	181447	51.504	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.64	75	181447	128.407	ug/l	# 12

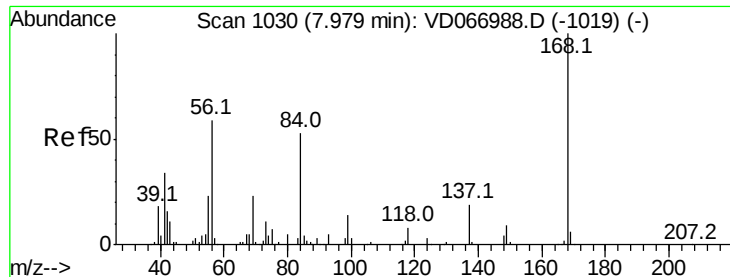
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100220\
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Quant Time: Oct 03 06:51:12 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: VD067060.D

Acq: 03 Oct 2020 03:49

Instrument :

MSVOA_D

ClientSampleId :

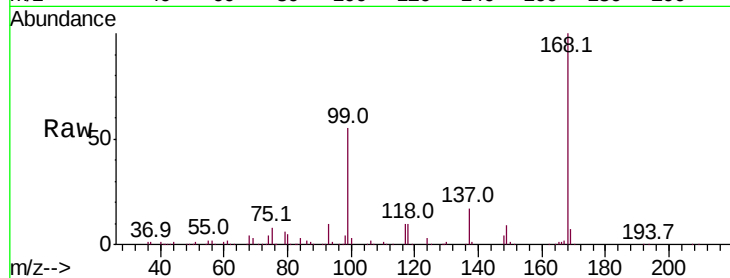
B-19(4-5)

Tot Ion:168 Resp: 581204

Ion Ratio Lower Upper

168 100

99 54.7 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

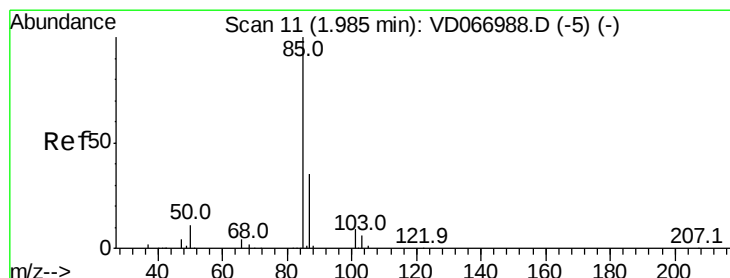
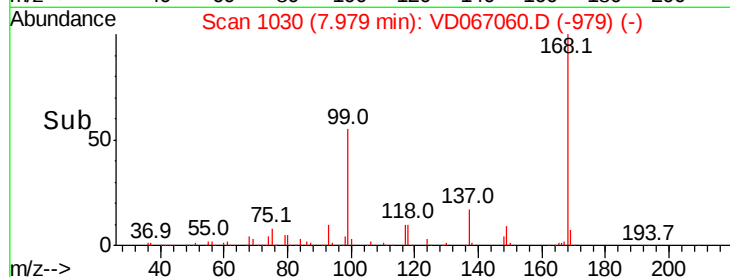
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067060.D

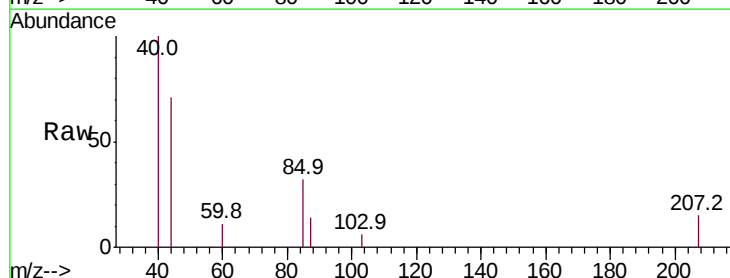
Acq: 03 Oct 2020 03:49

Tgt Ion: 85 Resp: 1497

Ion Ratio Lower Upper

85 100

87 42.9 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

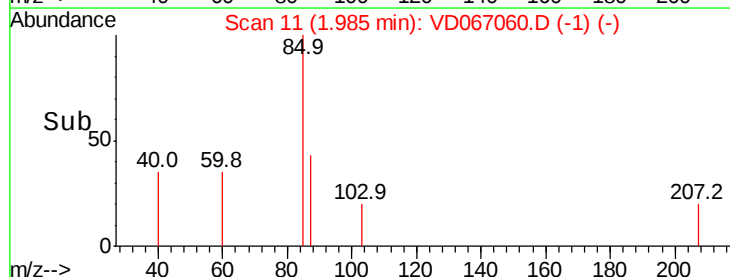
1.99

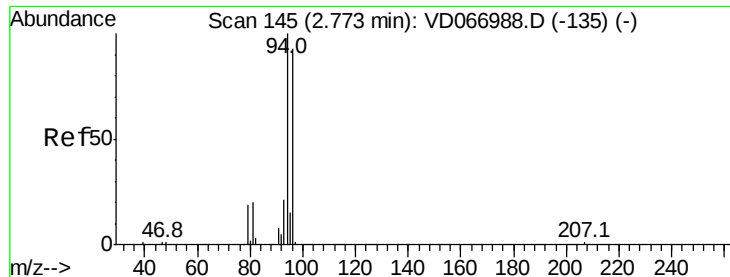
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067060.D

Acq: 03 Oct 2020 03:49

Instrument :

MSVOA_D

ClientSampleId :

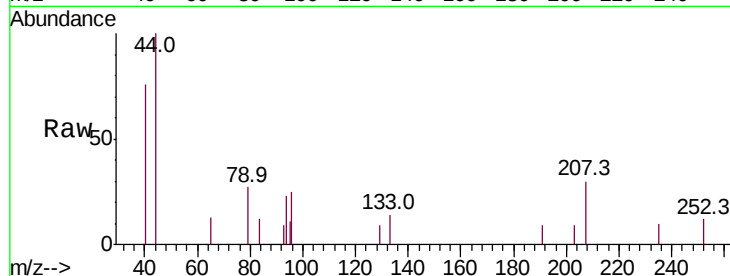
B-19(4-5)

Tot Ion: 94 Resp: 780

Ion Ratio Lower Upper

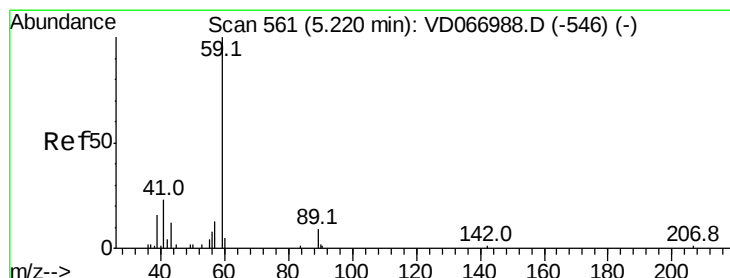
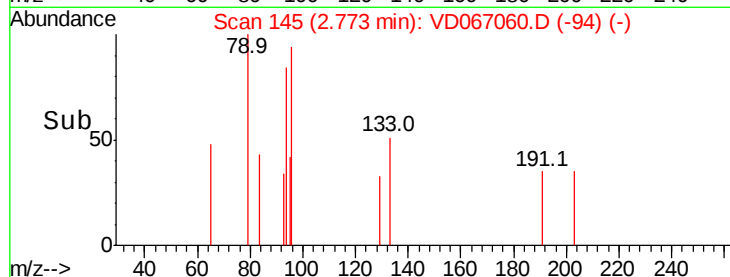
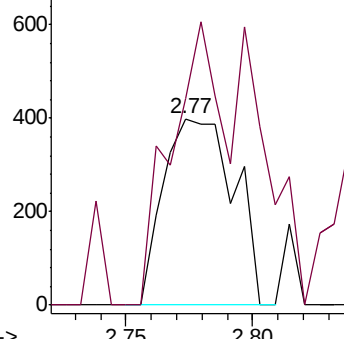
94 100

96 111.0 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: 5.19 min Scan# 556

Delta R.T. -0.03 min

Lab File: VD067060.D

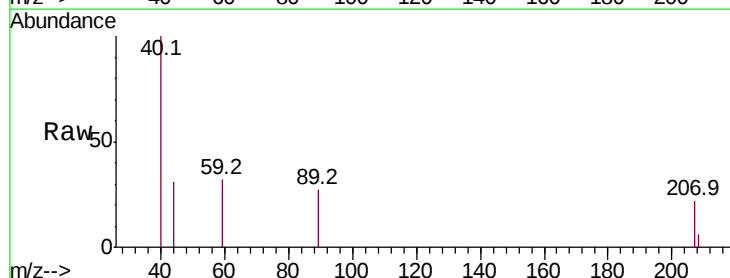
Acq: 03 Oct 2020 03:49

Tgt Ion: 59 Resp: 940

Ion Ratio Lower Upper

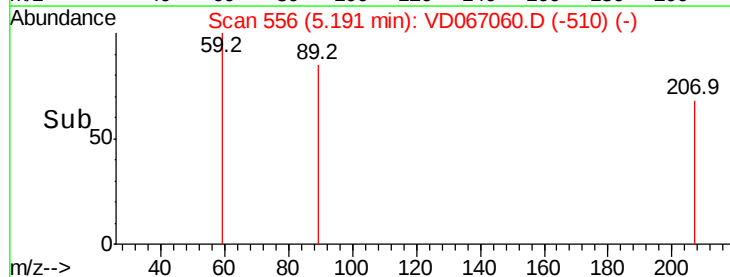
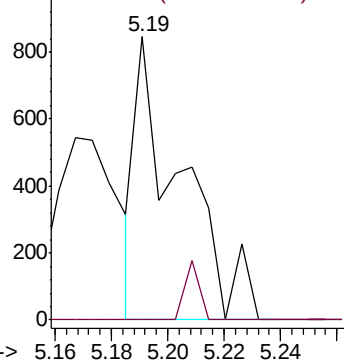
59 100

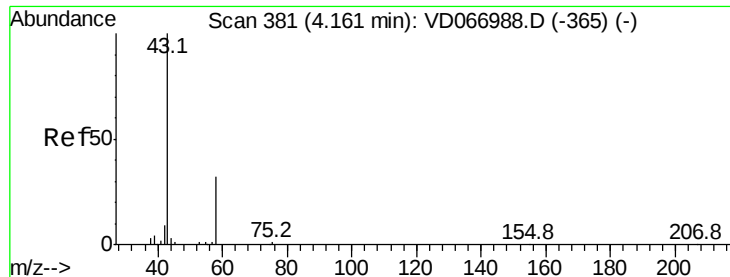
57 6.7 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 31.953 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD067060.D

Acq: 03 Oct 2020 03:49

Instrument :

MSVOA_D

ClientSampled :

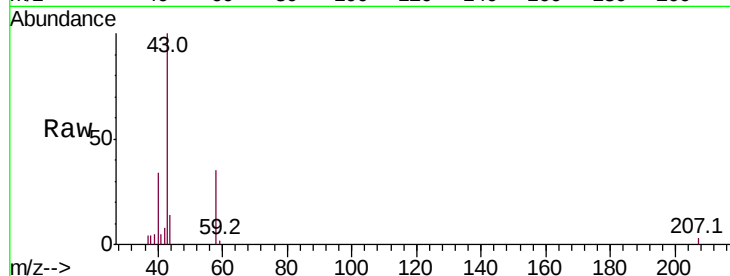
B-19(4-5)

Tot Ion: 43 Resp: 27306

Ion Ratio Lower Upper

43 100

58 35.1 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.15

10000

8000

6000

4000

2000

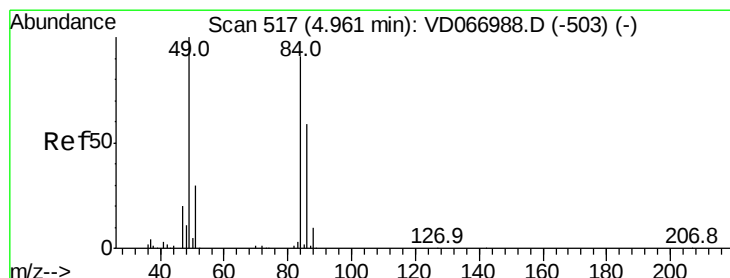
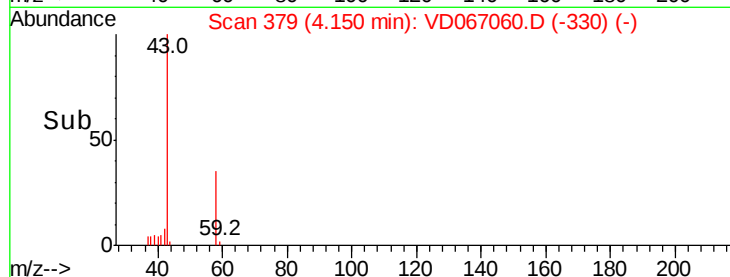
0

Time-->

4.10

4.20

4.30



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD067060.D

Acq: 03 Oct 2020 03:49

Tgt Ion: 84 Resp: 18958

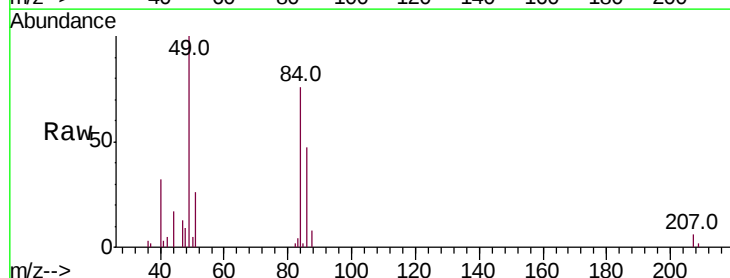
Ion Ratio Lower Upper

84 100

49 130.9 88.2 132.2

51 34.0 26.6 39.8

86 60.9 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

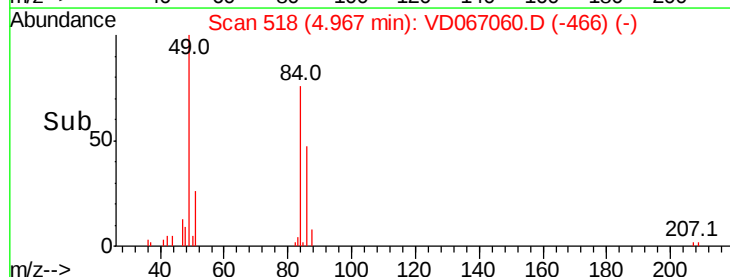
2000

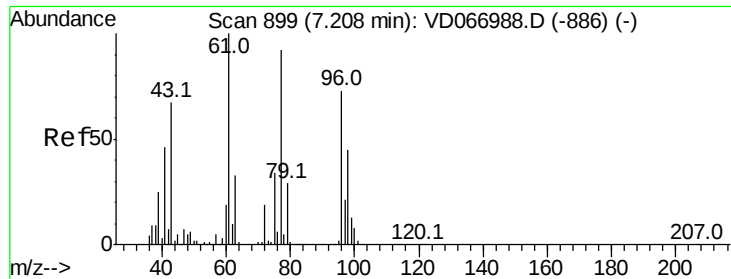
0

Time-->

4.90

5.00

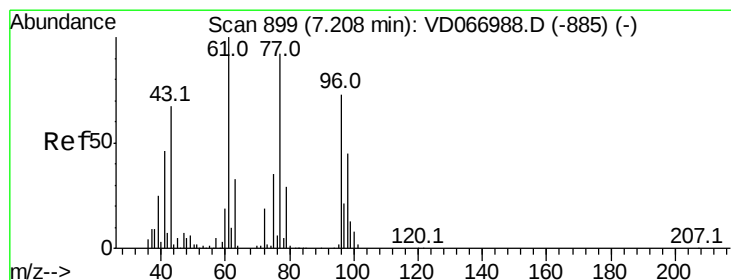
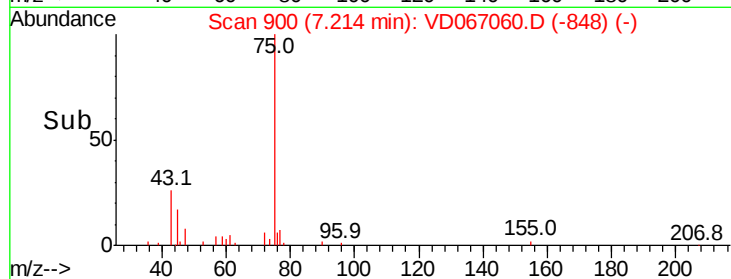
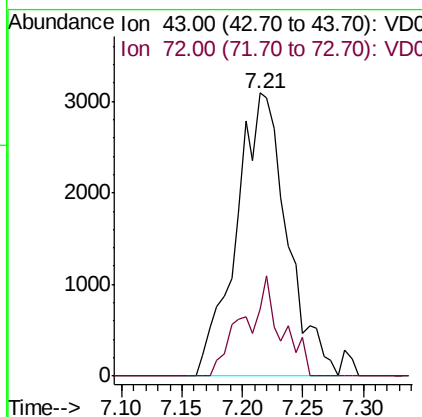
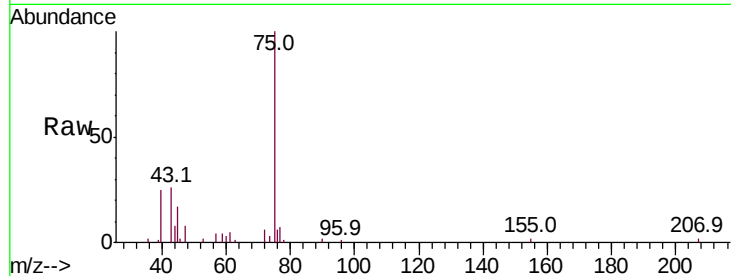




#25
 2-Butanone
 Concen: 7.498 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD067060.D
 Acq: 03 Oct 2020 03:49

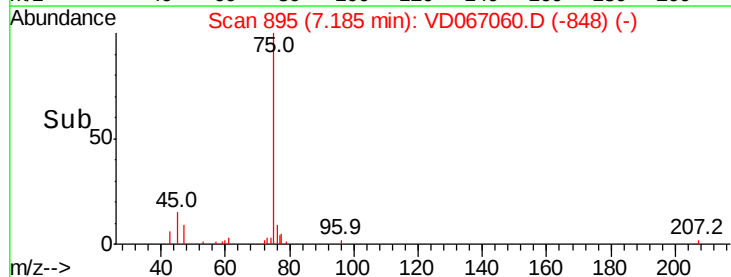
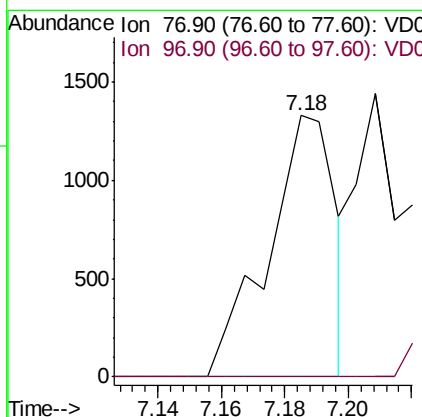
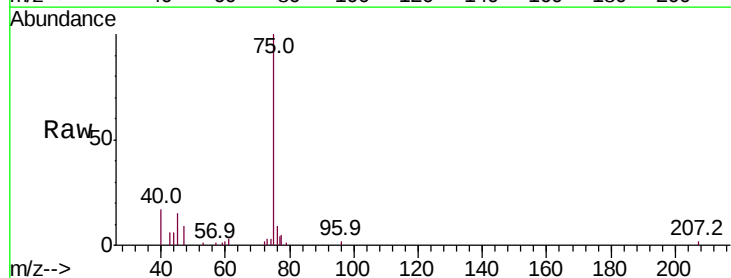
Instrument :
 MSVOA_D
 ClientSampleId :
 B-19(4-5)

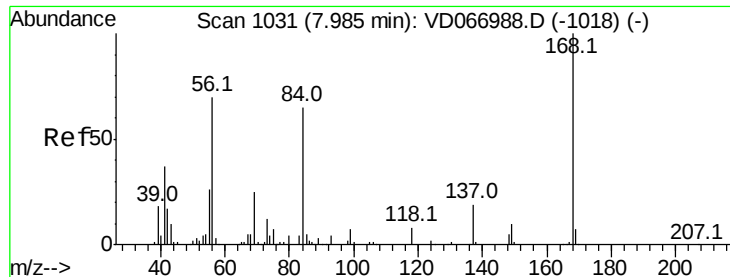
Tot Ion: 43 Resp: 9084
 Ion Ratio Lower Upper
 43 100
 72 23.8 22.8 34.2



#26
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 7.18 min Scan# 895
 Delta R.T. -0.02 min
 Lab File: VD067060.D
 Acq: 03 Oct 2020 03:49

Tgt Ion: 77 Resp: 1950
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.4 34.2#

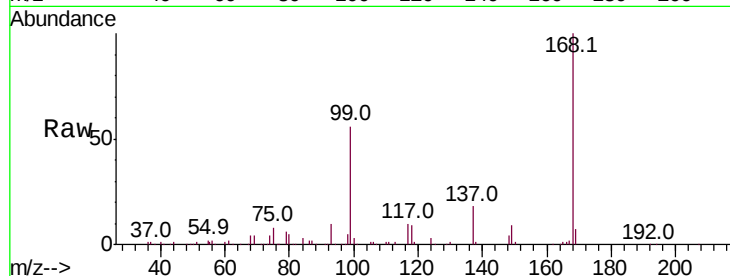




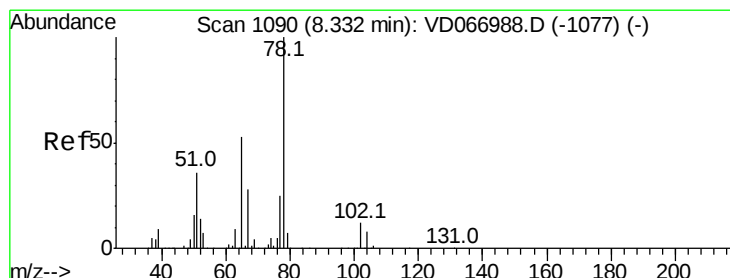
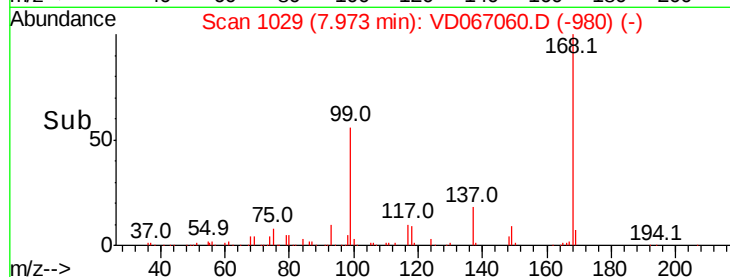
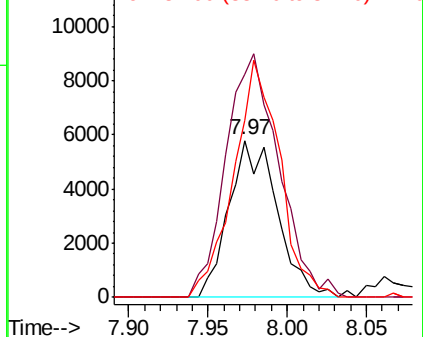
#31
Cyclohexane
Concen: 1.452 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD067060.D
Acq: 03 Oct 2020 03:49

Instrument :
MSVOA_D
ClientSampled :
B-19(4-5)

Tot Ion: 56 Resp: 12211
Ion Ratio Lower Upper
56 100
69 142.4 29.0 43.6#
84 112.8 74.2 111.2#

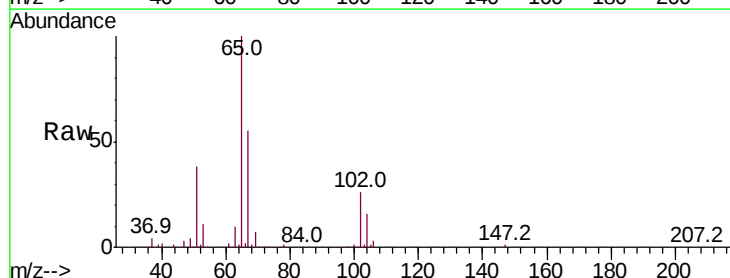


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

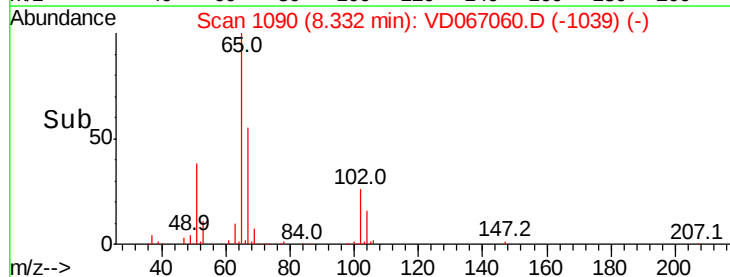
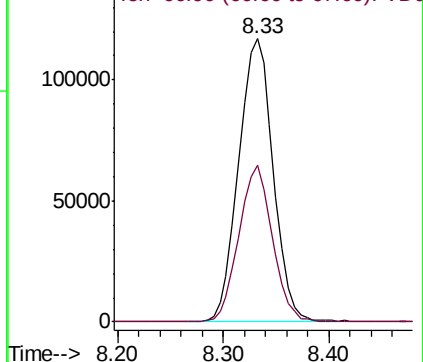


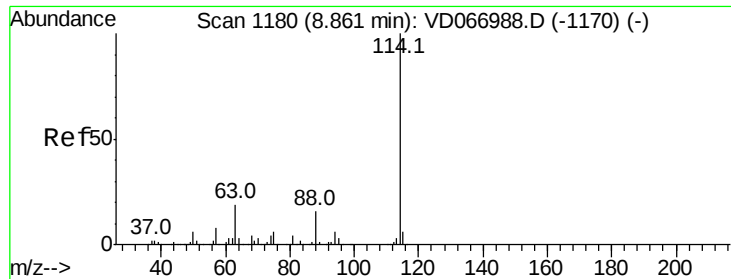
#33
1,2-Dichloroethane-d4
Concen: 47.454 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD067060.D
Acq: 03 Oct 2020 03:49

Tgt Ion: 65 Resp: 265654
Ion Ratio Lower Upper
65 100
67 53.9 0.0 106.8



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

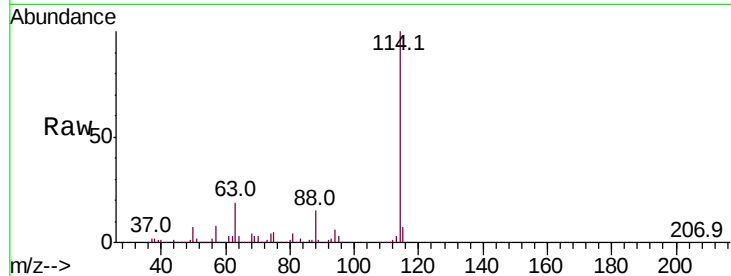




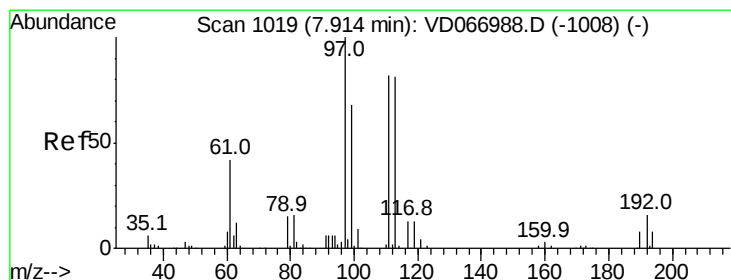
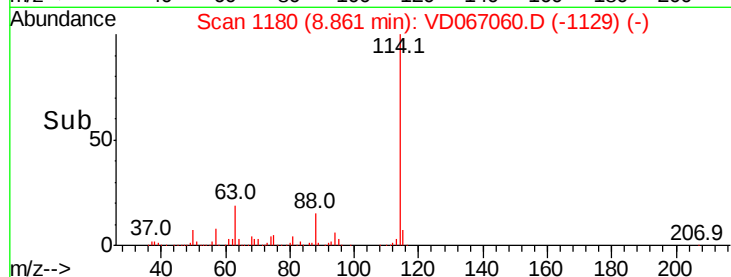
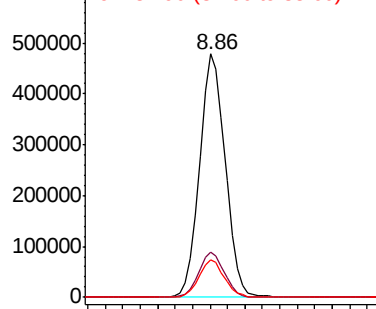
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD067060.D
 Acq: 03 Oct 2020 03:49

Instrument :
 MSVOA_D
 ClientSampleId :
 B-19(4-5)

Tot Ion:114 Resp: 956143
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 38.4
 88 15.4 0.0 31.2

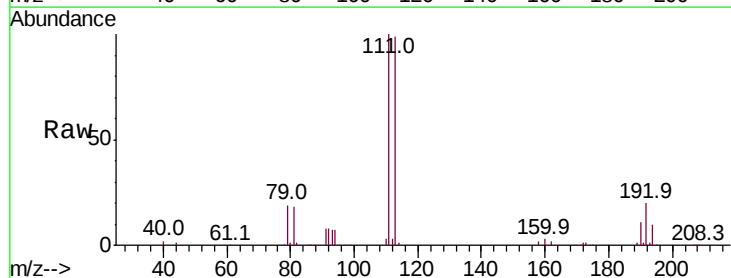


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

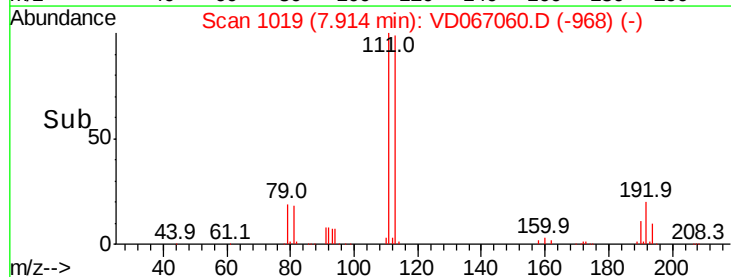
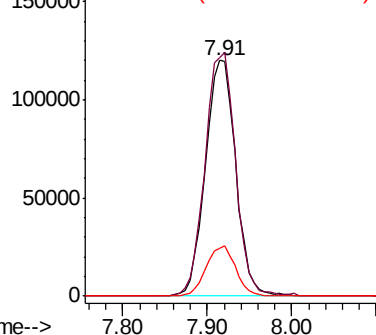


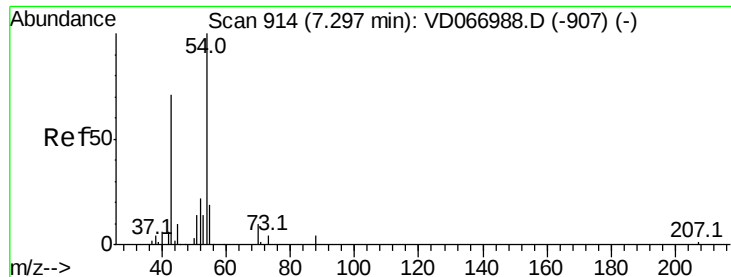
#35
 Dibromofluoromethane
 Concen: 47.543 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067060.D
 Acq: 03 Oct 2020 03:49

Tgt Ion:113 Resp: 297605
 Ion Ratio Lower Upper
 113 100
 111 103.9 83.0 124.4
 192 20.6 15.5 23.3



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#37

Ethyl Acetate

Concen: 2.942 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.08 min

Lab File: VD067060.D

Acq: 03 Oct 2020 03:49

Instrument :

MSVOA_D

ClientSampleId :

B-19(4-5)

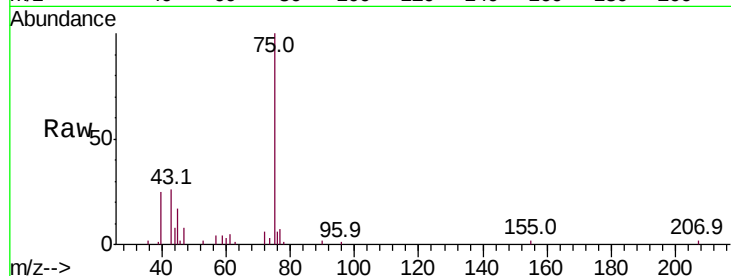
Tot Ion: 43 Resp: 9084

Ion Ratio Lower Upper

43 100

61 26.4 12.5 18.7#

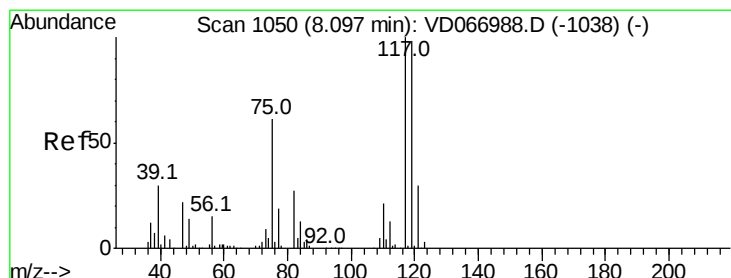
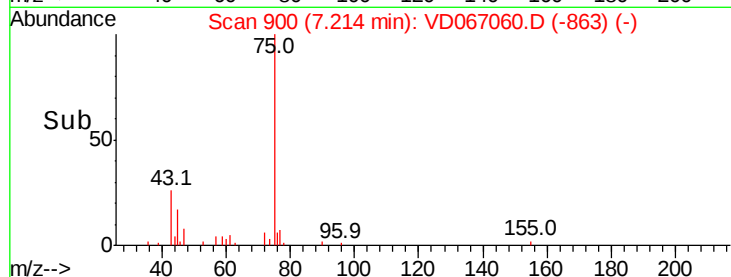
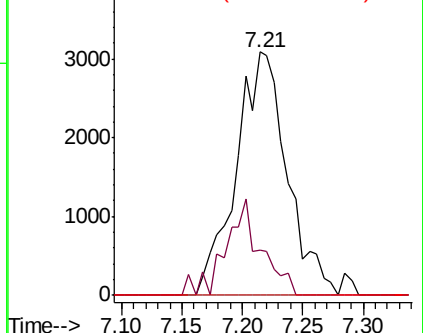
70 0.0 9.4 14.0#



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: 6.099 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067060.D

Acq: 03 Oct 2020 03:49

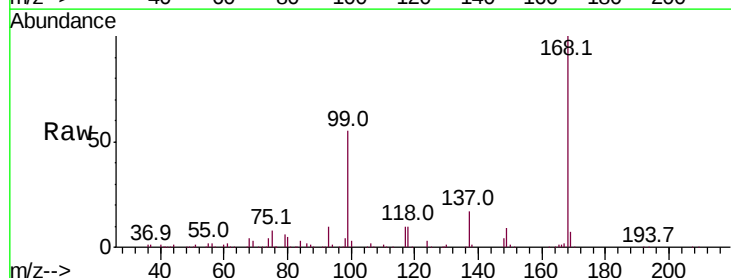
Tgt Ion: 117 Resp: 58809

Ion Ratio Lower Upper

117 100

119 4.0 78.7 118.1#

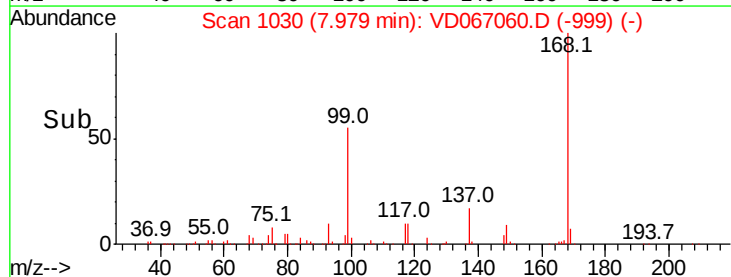
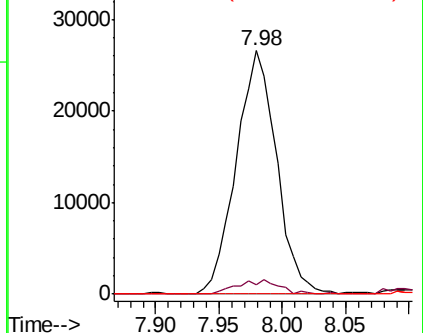
121 0.0 24.2 36.2#

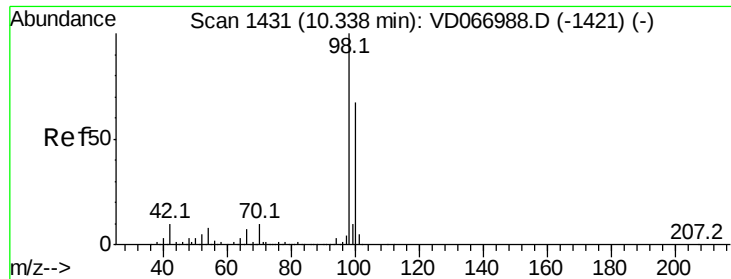


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 49.378 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067060.D

Acq: 03 Oct 2020 03:49

Instrument :

MSVOA_D

ClientSampleId :

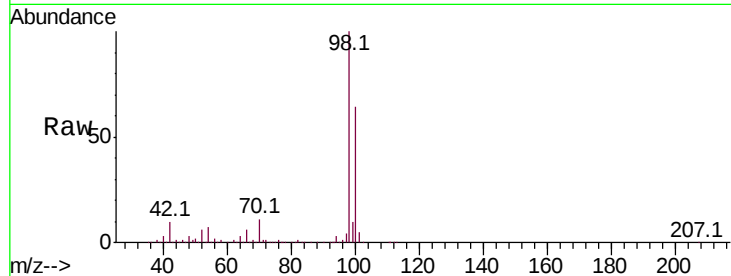
B-19(4-5)

Tot Ion: 98 Resp: 1126299

Ion Ratio Lower Upper

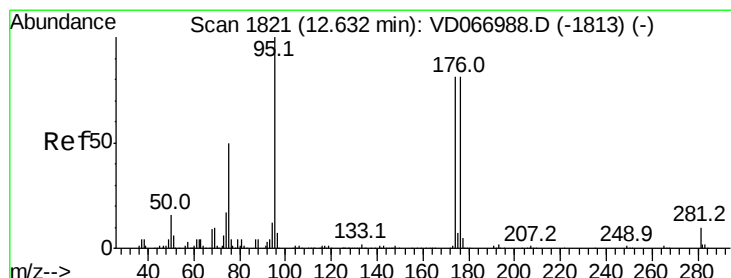
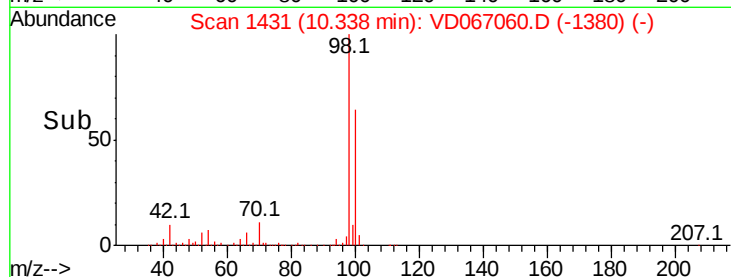
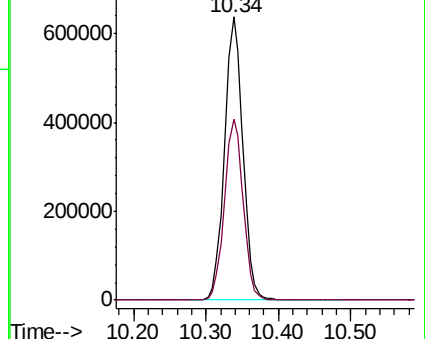
98 100

100 64.7 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 48.292 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067060.D

Acq: 03 Oct 2020 03:49

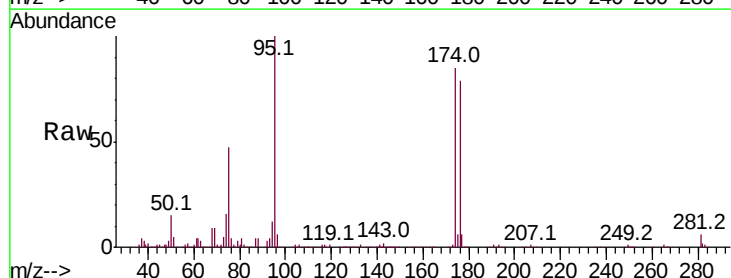
Tgt Ion: 95 Resp: 373941

Ion Ratio Lower Upper

95 100

174 84.8 0.0 167.6

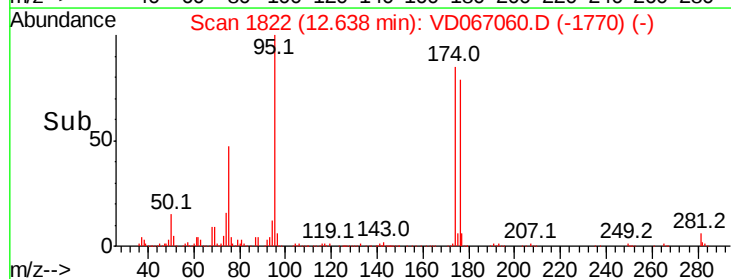
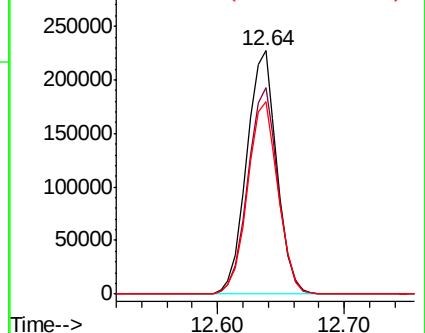
176 80.0 0.0 162.4

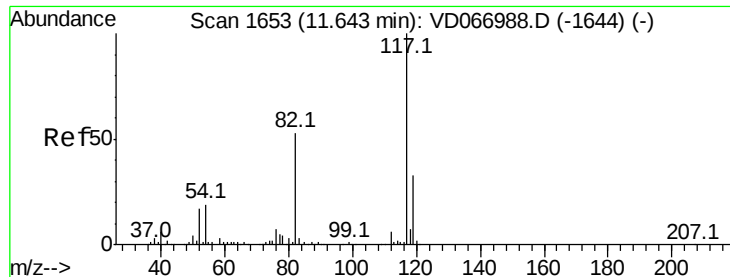


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

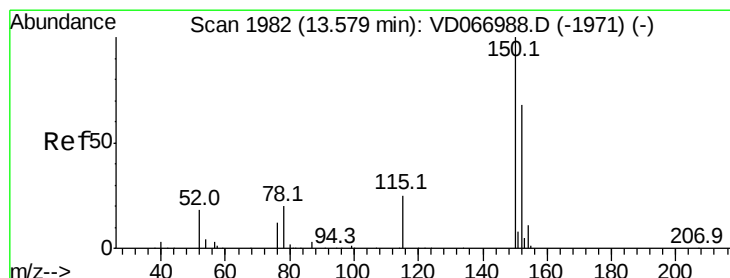
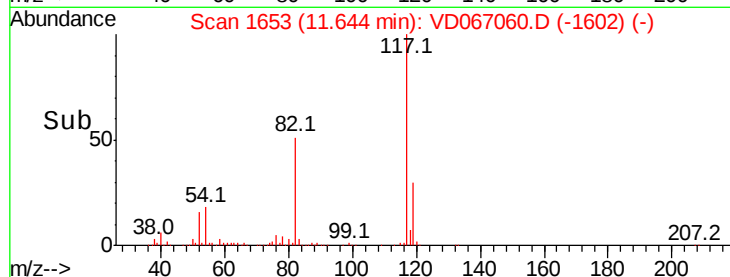
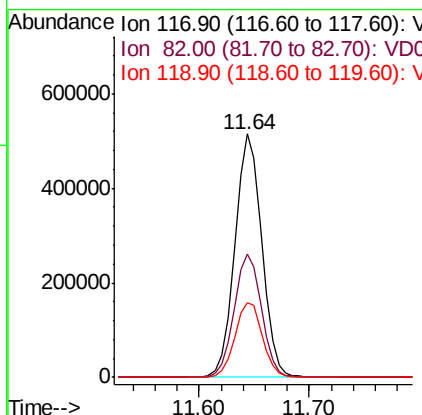
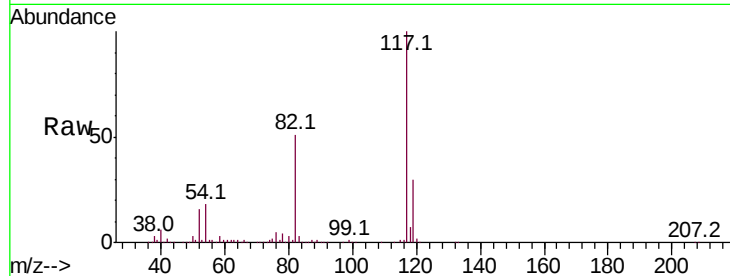




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067060.D
Acq: 03 Oct 2020 03:49

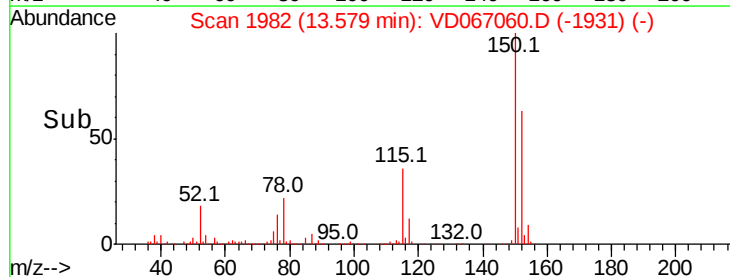
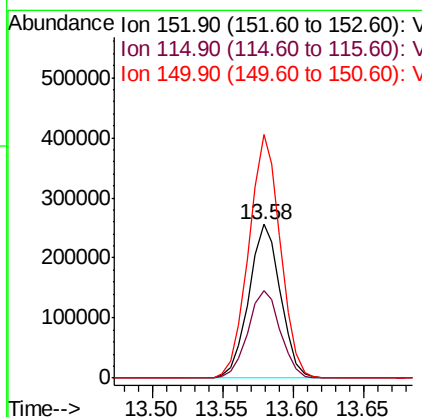
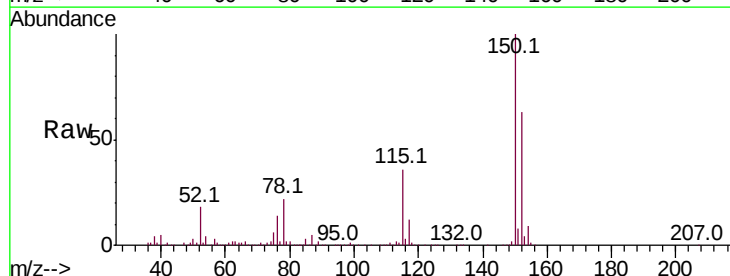
Instrument :
MSVOA_D
ClientSampleId :
B-19(4-5)

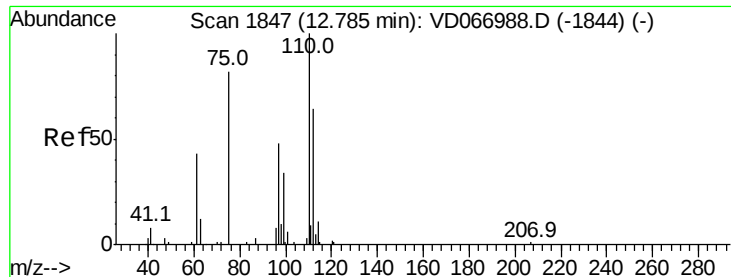
Tot Ion:117 Resp: 881129
Ion Ratio Lower Upper
117 100
82 50.9 42.6 63.8
119 30.5 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067060.D
Acq: 03 Oct 2020 03:49

Tgt Ion:152 Resp: 404456
Ion Ratio Lower Upper
152 100
115 58.3 29.6 88.8
150 157.4 0.0 344.8





#76

1,2,3-Trichloropropane

Concen: 51.504 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067060.D

Acq: 03 Oct 2020 03:49

Instrument :

MSVOA_D

ClientSampleId :

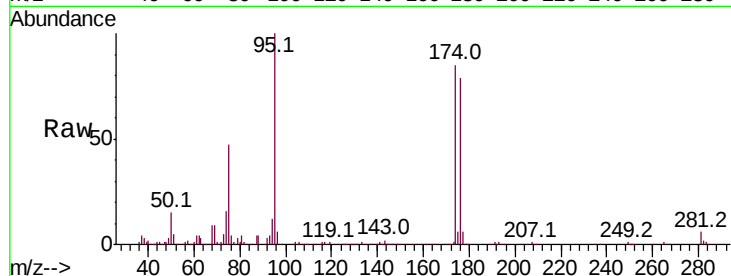
B-19(4-5)

Tot Ion: 75 Resp: 181447

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.64

100000

80000

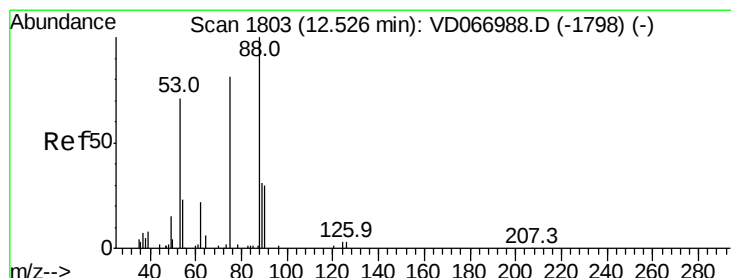
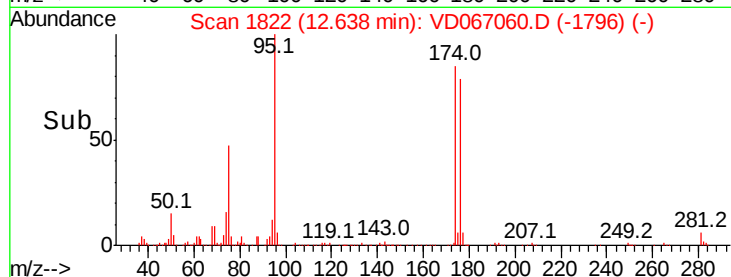
60000

40000

20000

0

Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 128.407 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067060.D

Acq: 03 Oct 2020 03:49

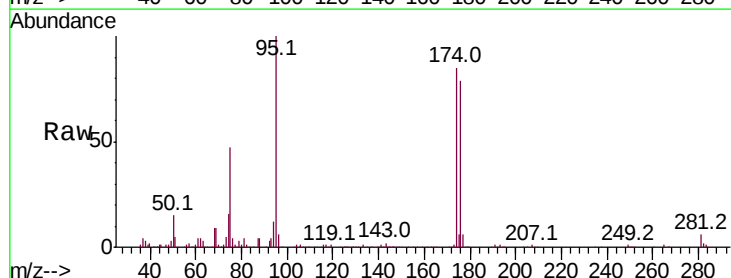
Tgt Ion: 75 Resp: 181447

Ion Ratio Lower Upper

75 100

53 0.1 73.8 110.6#

89 0.1 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

150000

100000

50000

0

Time--> 12.55 12.60 12.65 12.70

