

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\
 Data File : VD067028.D
 Acq On : 02 Oct 2020 11:46
 Operator : VA/SY
 Sample : VD1002SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBL01

Quant Time: Oct 03 04:47:20 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	485120	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	809134	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	750747	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	342028	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	254142	54.39	ug/l	0.00
Spiked Amount			Recovery	=	108.78%	
35) Dibromofluoromethane	7.91	113	262014	49.46	ug/l	0.00
Spiked Amount			Recovery	=	98.92%	
50) Toluene-d8	10.34	98	942556	48.83	ug/l	0.00
Spiked Amount			Recovery	=	97.66%	
62) 4-Bromofluorobenzene	12.64	95	309468	47.23	ug/l	0.00
Spiked Amount			Recovery	=	94.46%	

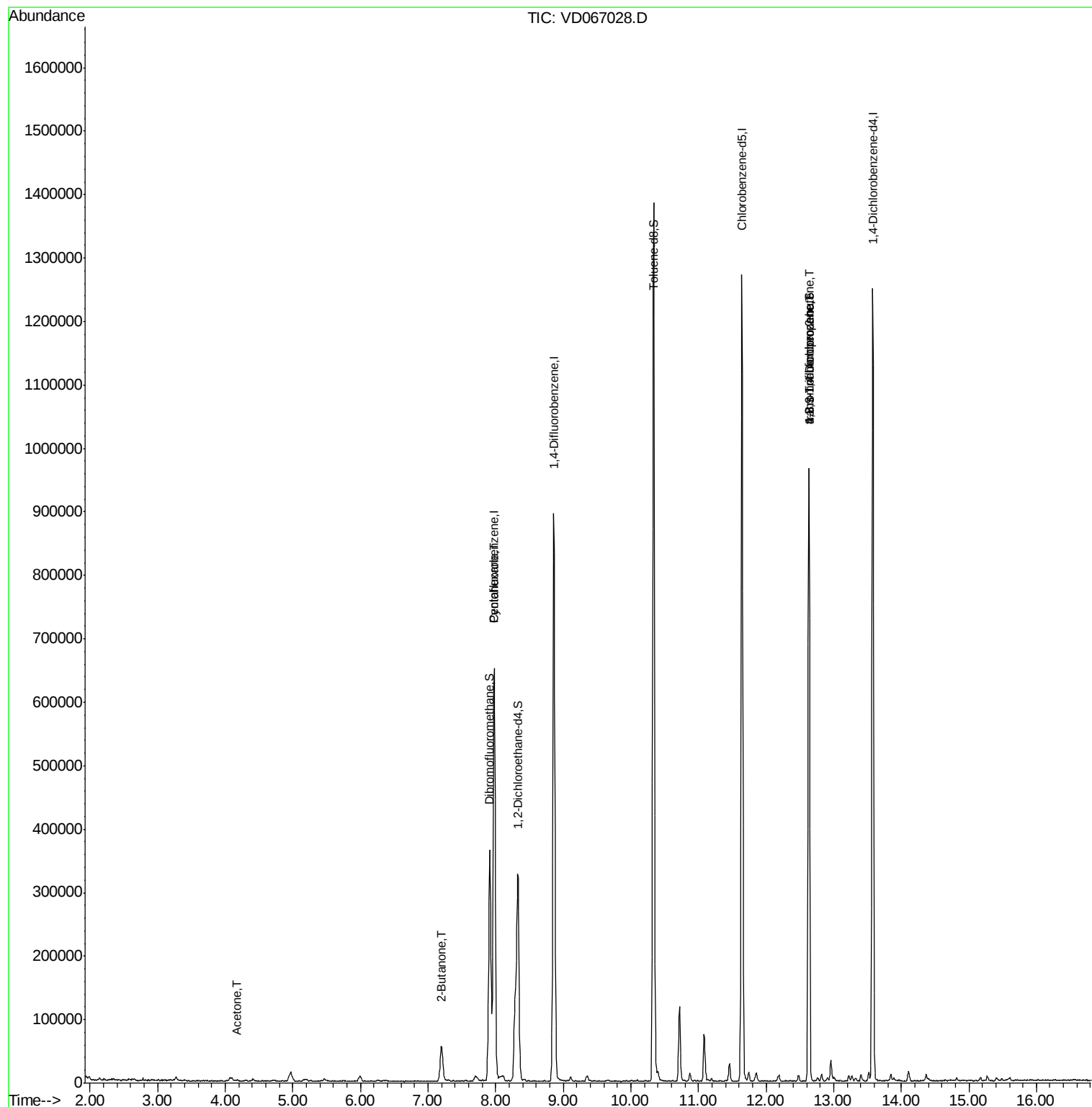
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	2831	Below Cal	#	62
5) Bromomethane	2.78	94	1707	Below Cal		94
11) Tert butyl alcohol	5.21	59	834	Below Cal	#	72
16) Acetone	4.17	43	1163	1.630	ug/l	94
20) Methylene Chloride	4.97	84	10847	Below Cal		98
25) 2-Butanone	7.19	43	1194	1.181	ug/l	# 77
26) 2,2-Dichloropropane	7.20	77	6408	Below Cal	#	73
31) Cyclohexane	7.98	56	10960	1.562	ug/l	# 1
76) 1,2,3-Trichloropropane	12.64	75	154136	51.738	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.64	75	154136	128.989	ug/l	# 12

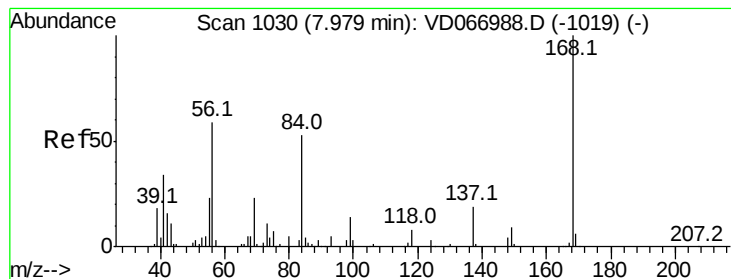
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100220\
Data File : VD067028.D
Acq On : 02 Oct 2020 11:46
Operator : VA/SY
Sample : VD1002SBL01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBL01

Quant Time: Oct 03 04:47:20 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: VD067028.D

Acq: 02 Oct 2020 11:46

Instrument :

MSVOA_D

ClientSampleId :

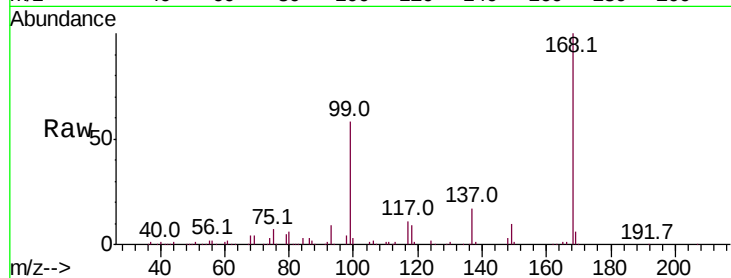
VD1002SBL01

Tot Ion:168 Resp: 485120

Ion Ratio Lower Upper

168 100

99 57.9 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

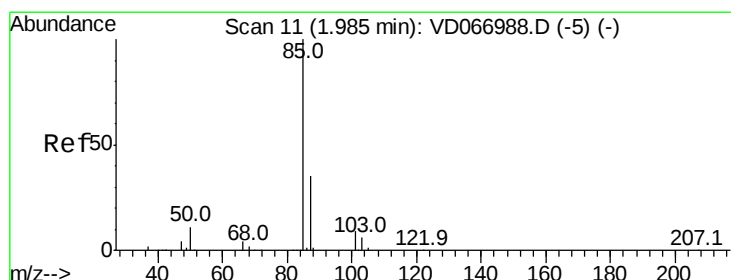
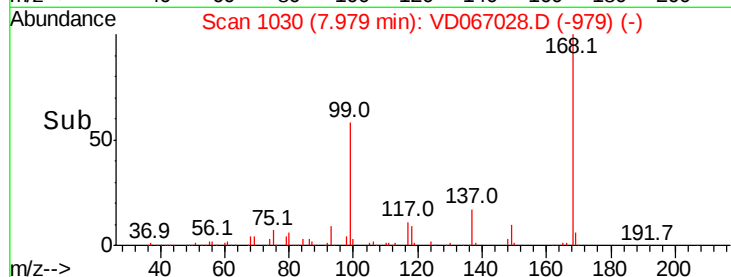
0

Time-->

7.90

8.00

8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067028.D

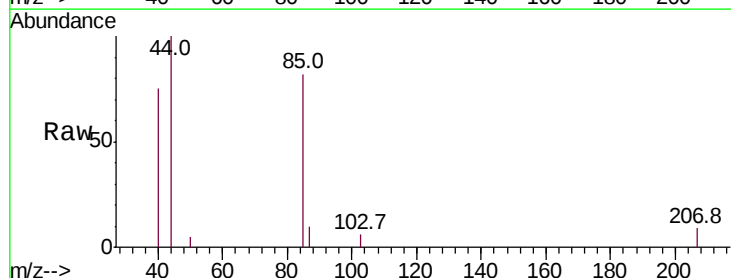
Acq: 02 Oct 2020 11:46

Tgt Ion: 85 Resp: 2831

Ion Ratio Lower Upper

85 100

87 12.5 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

3000

2500

2000

1500

1000

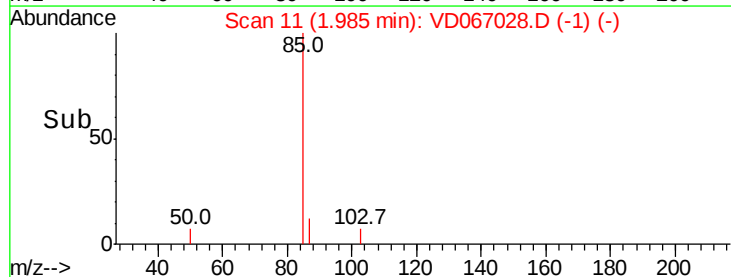
500

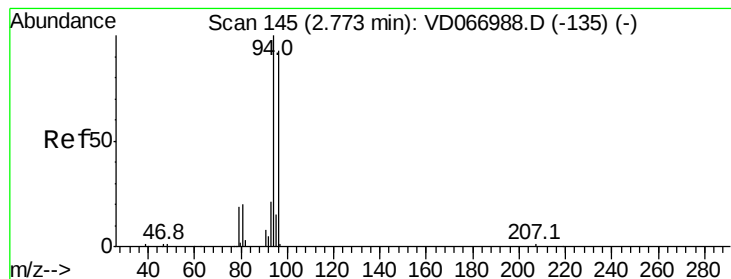
0

Time-->

1.95

2.00





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067028.D

Acq: 02 Oct 2020 11:46

Instrument :

MSVOA_D

ClientSampleId :

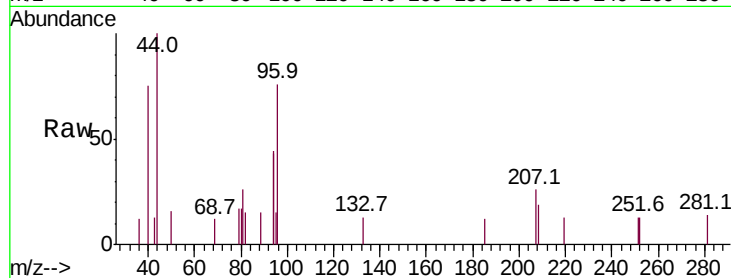
VD1002SBL01

Tot Ion: 94 Resp: 1707

Ion Ratio Lower Upper

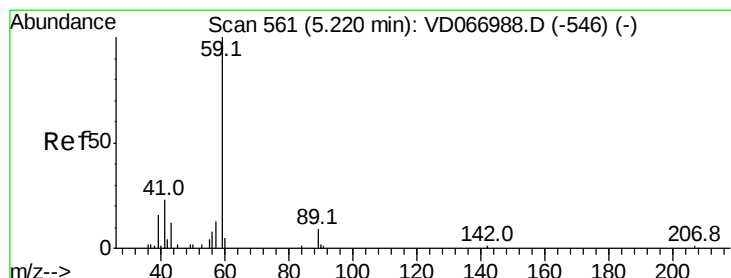
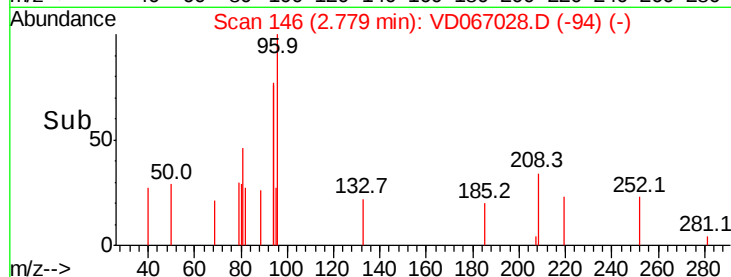
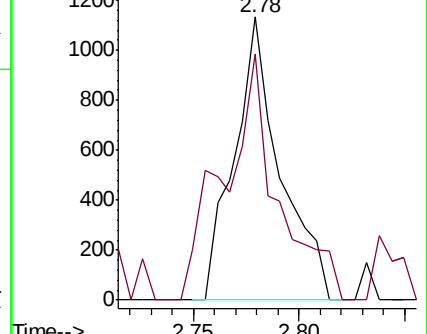
94 100

96 87.1 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: 5.21 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD067028.D

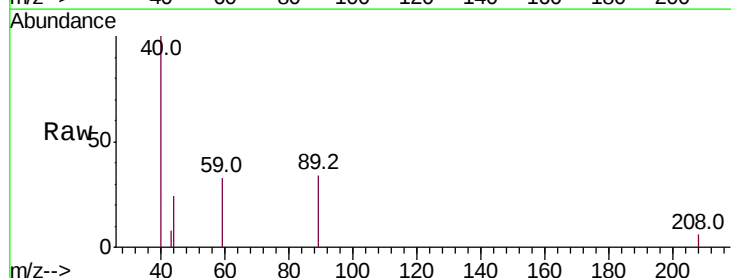
Acq: 02 Oct 2020 11:46

Tgt Ion: 59 Resp: 834

Ion Ratio Lower Upper

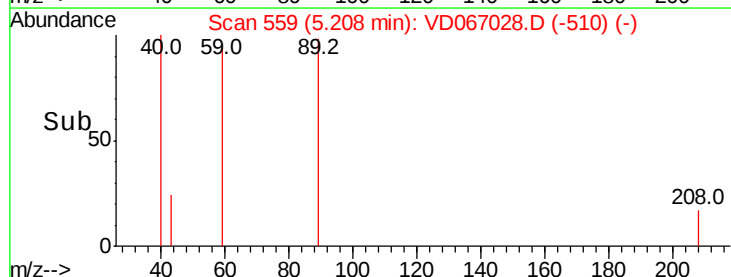
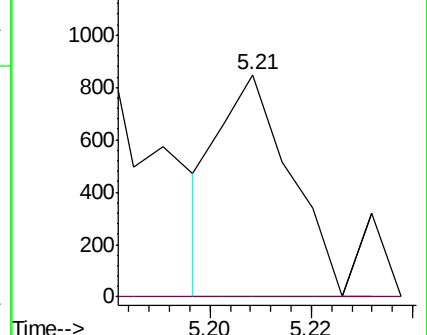
59 100

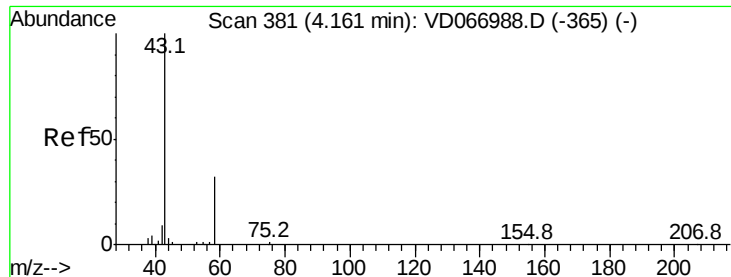
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 1.630 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD067028.D

Acq: 02 Oct 2020 11:46

Instrument :

MSVOA_D

ClientSampleId :

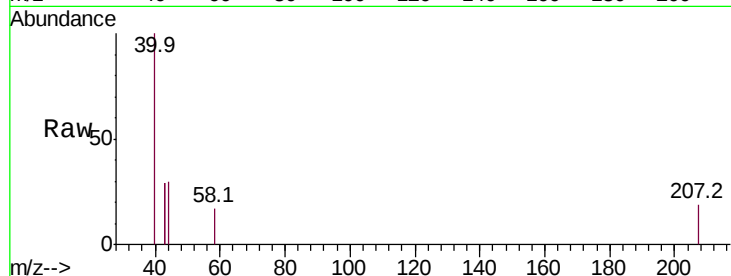
VD1002SBL01

Tot Ion: 43 Resp: 1163

Ion Ratio Lower Upper

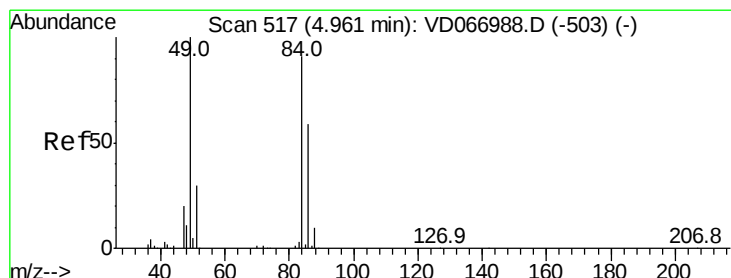
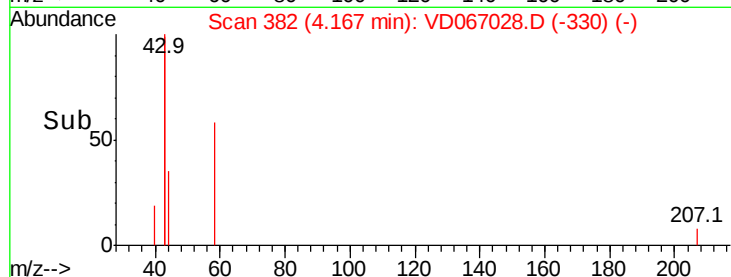
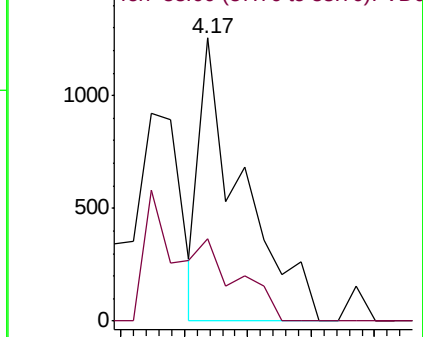
43 100

58 29.1 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD067028.D

Acq: 02 Oct 2020 11:46

Tgt Ion: 84 Resp: 10847

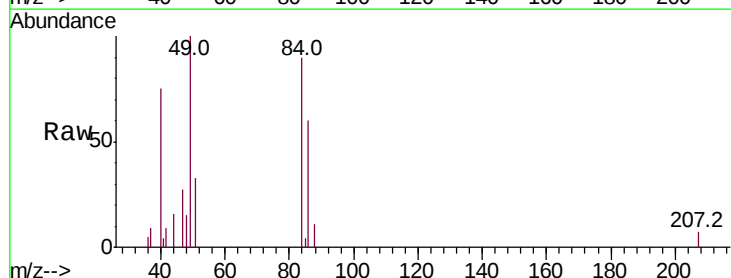
Ion Ratio Lower Upper

84 100

49 111.5 88.2 132.2

51 36.5 26.6 39.8

86 66.5 52.1 78.1

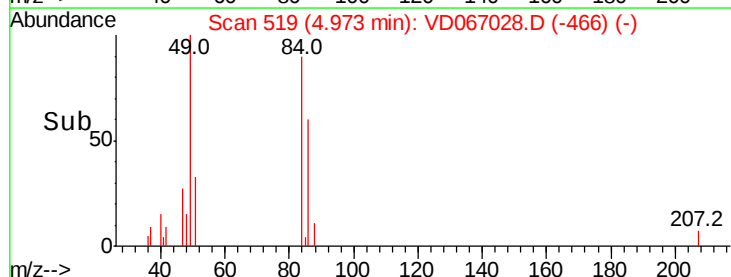
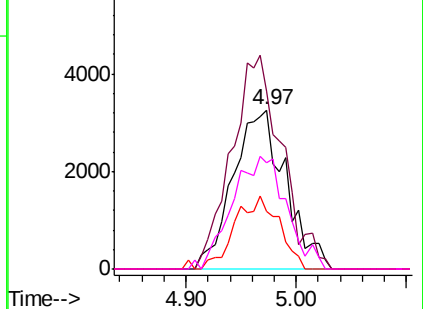


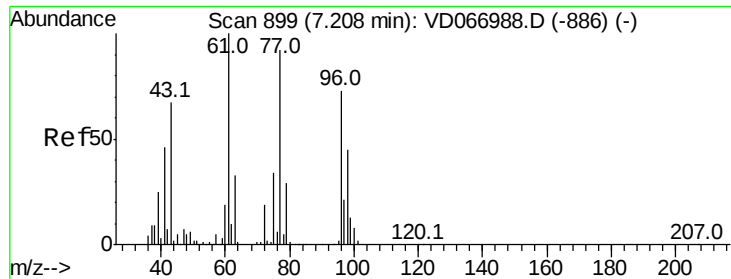
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#25

2-Butanone

Concen: 1.181 ug/l

RT: 7.19 min Scan# 896

Delta R.T. -0.02 min

Lab File: VD067028.D

Acq: 02 Oct 2020 11:46

Instrument :

MSVOA_D

ClientSampleId :

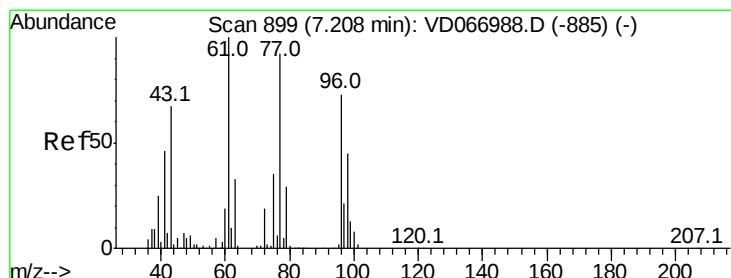
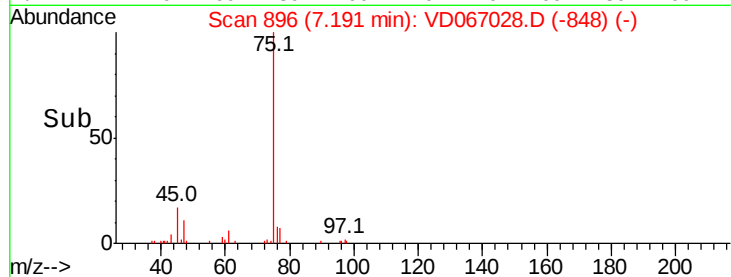
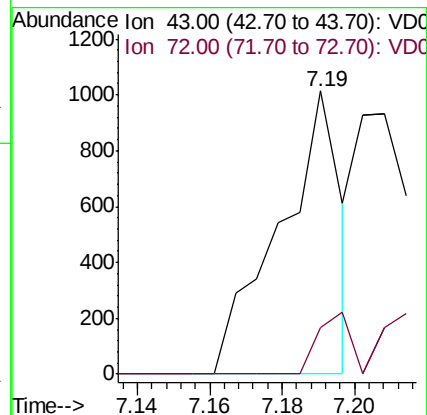
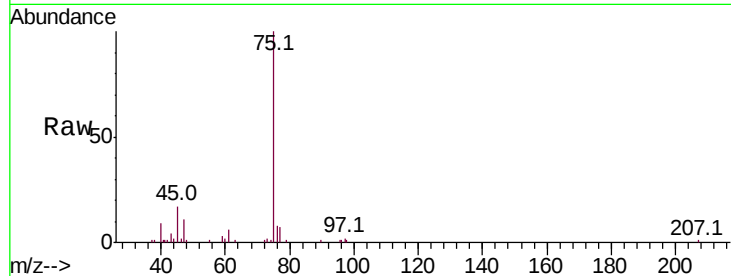
VD1002SBL01

Tot Ion: 43 Resp: 1194

Ion Ratio Lower Upper

43 100

72 16.3 22.8 34.2#



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD067028.D

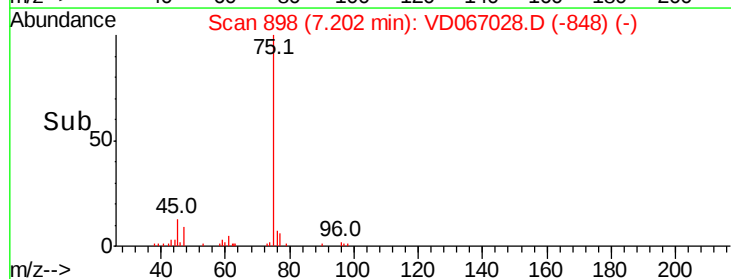
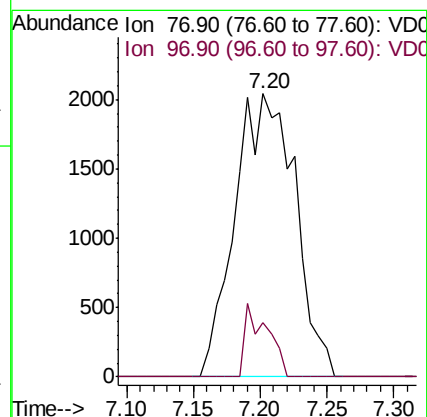
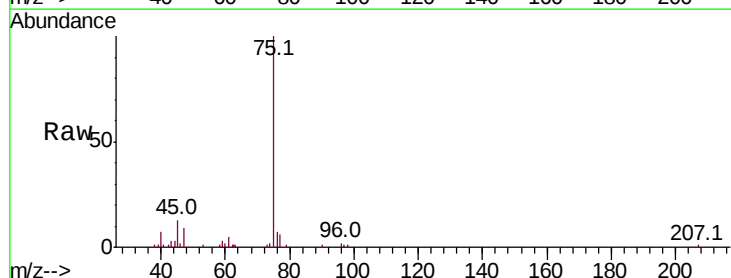
Acq: 02 Oct 2020 11:46

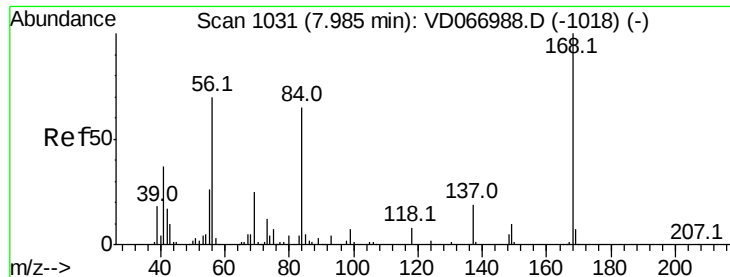
Tgt Ion: 77 Resp: 6408

Ion Ratio Lower Upper

77 100

97 9.7 11.4 34.2#

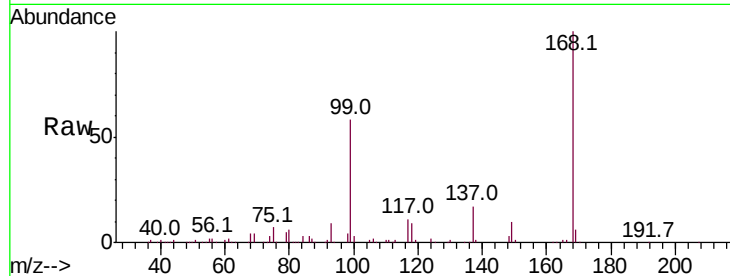




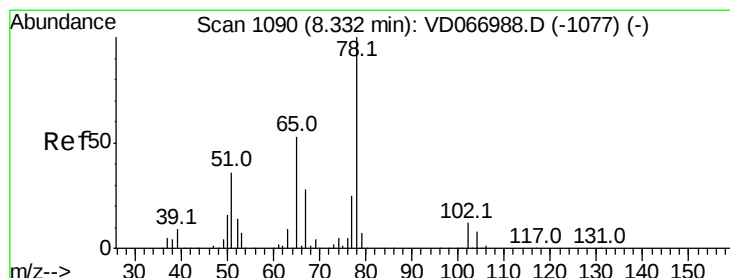
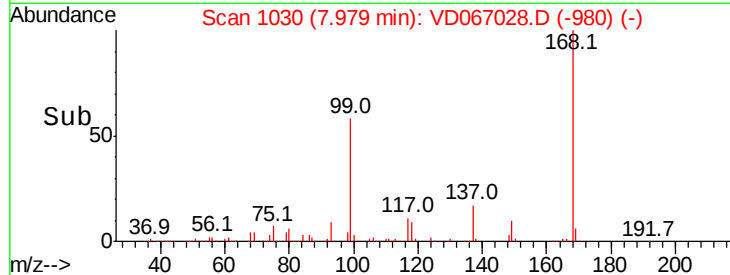
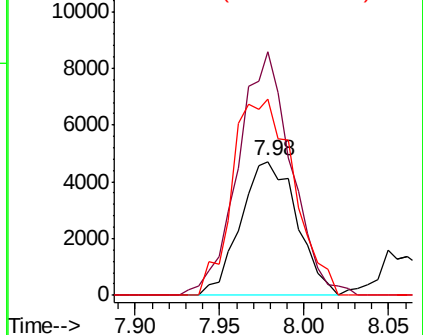
#31
Cyclohexane
Concen: 1.562 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067028.D
Acq: 02 Oct 2020 11:46

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBL01

Tot Ion: 56 Resp: 10960
Ion Ratio Lower Upper
56 100
69 177.5 29.0 43.6#
84 146.9 74.2 111.2#

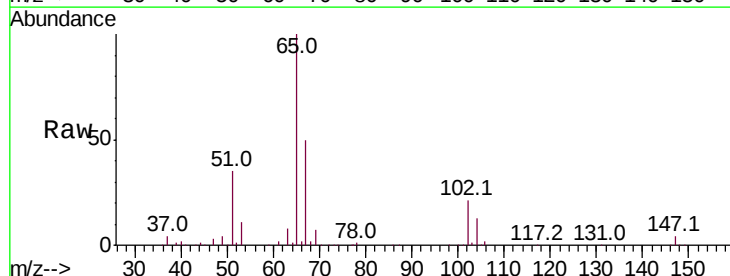


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

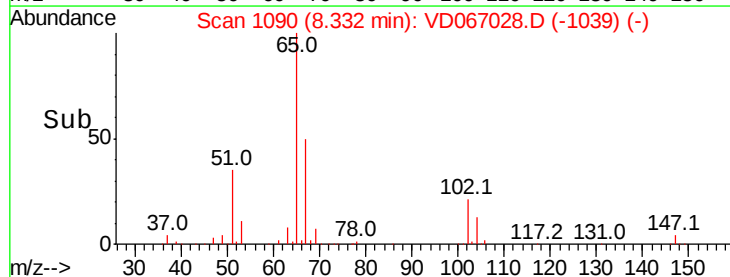
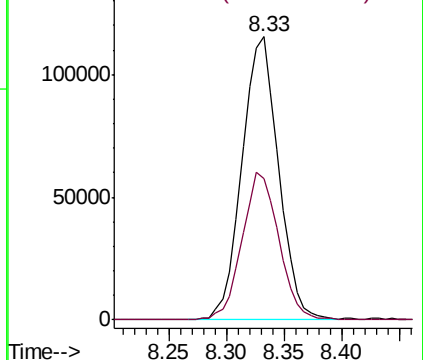


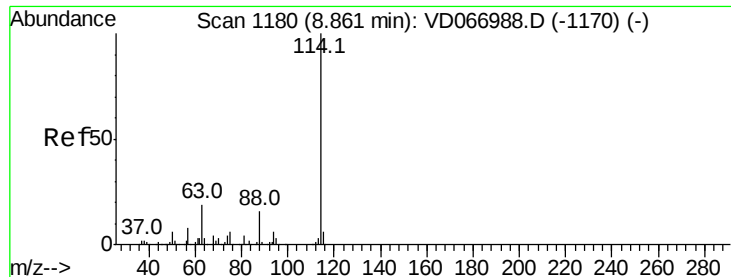
#33
1,2-Dichloroethane-d4
Concen: 54.389 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD067028.D
Acq: 02 Oct 2020 11:46

Tgt Ion: 65 Resp: 254142
Ion Ratio Lower Upper
65 100
67 52.8 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

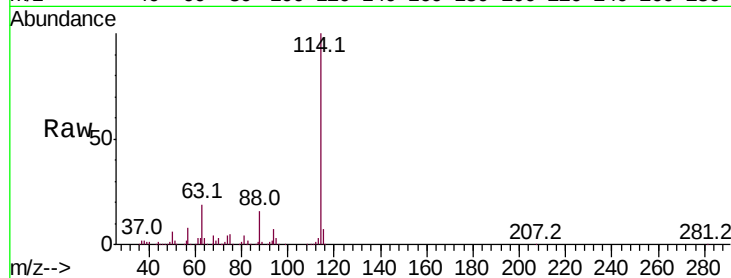
Lab File: VD067028.D

Acq: 02 Oct 2020 11:46

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBL01

Tot Ion:114 Resp: 809134

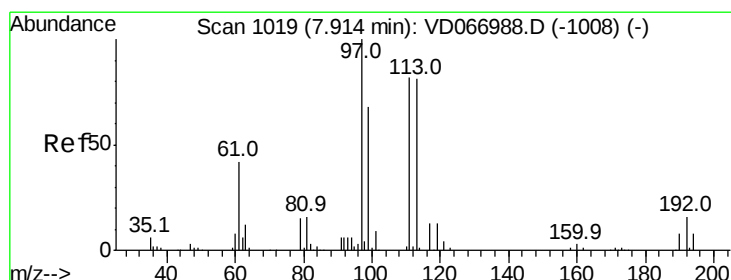
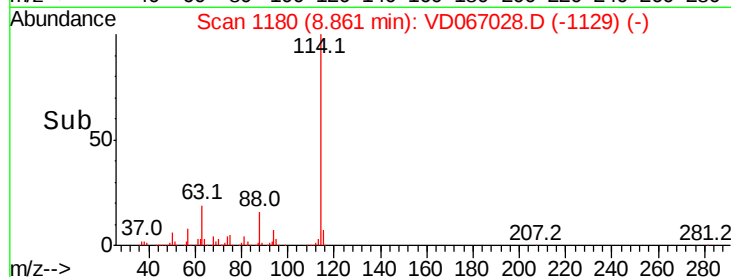
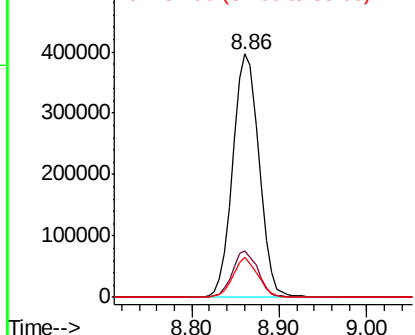
Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	38.4
88	16.2	0.0	31.2



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: 49.462 ug/l

RT: 7.91 min Scan# 1019

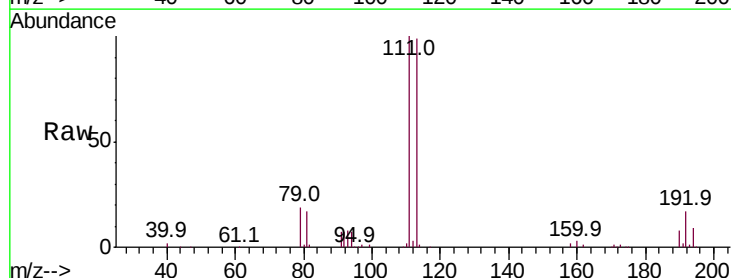
Delta R.T. -0.00 min

Lab File: VD067028.D

Acq: 02 Oct 2020 11:46

Tgt Ion:113 Resp: 262014

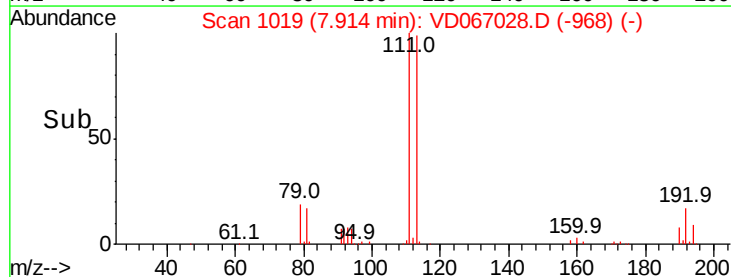
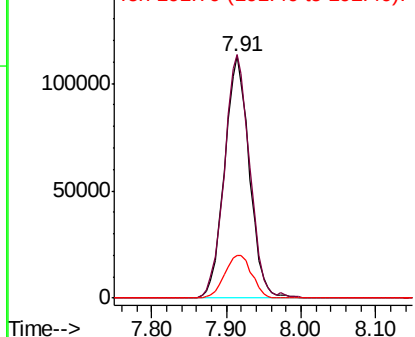
Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.0	124.4
192	19.4	15.5	23.3

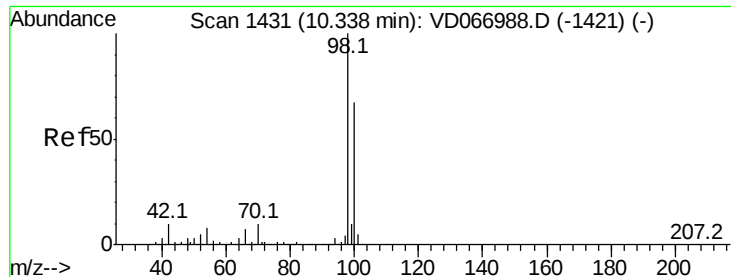


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

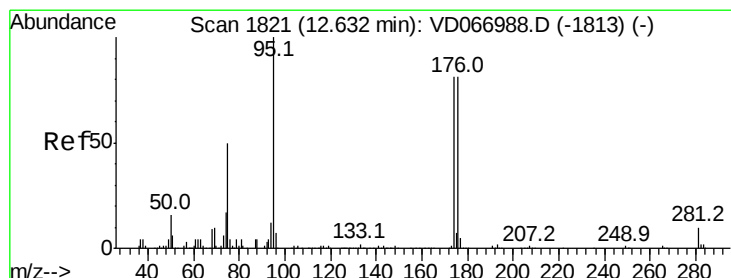
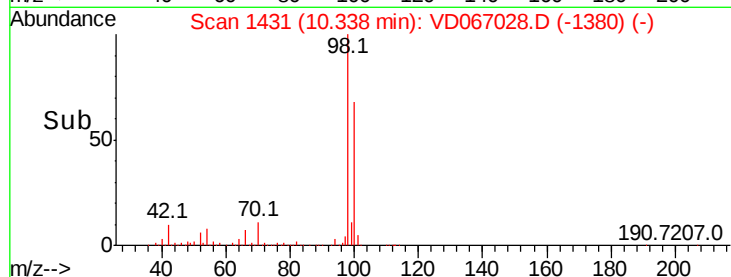
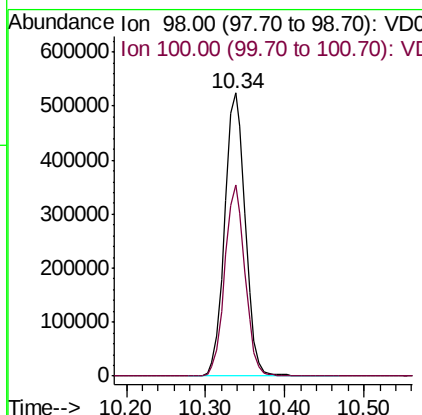
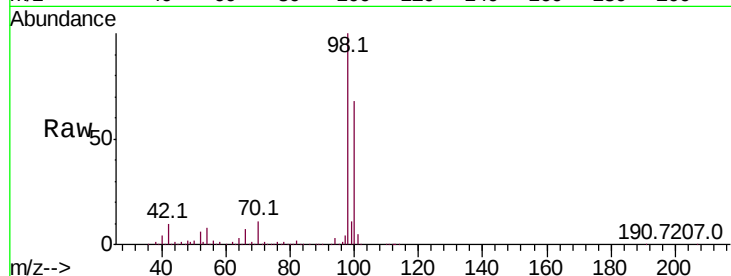




#50
Toluene-d8
Concen: 48.831 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD067028.D
Acq: 02 Oct 2020 11:46

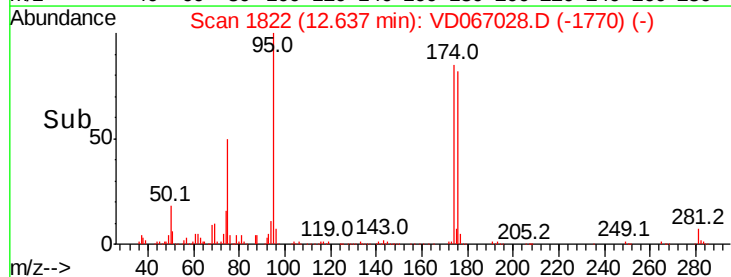
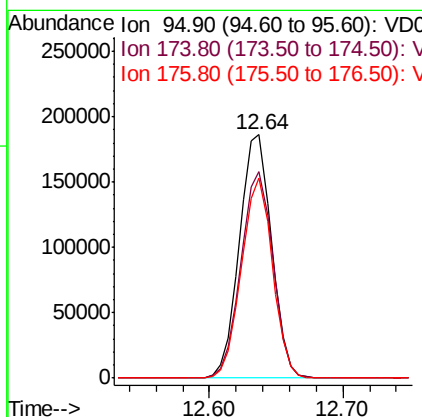
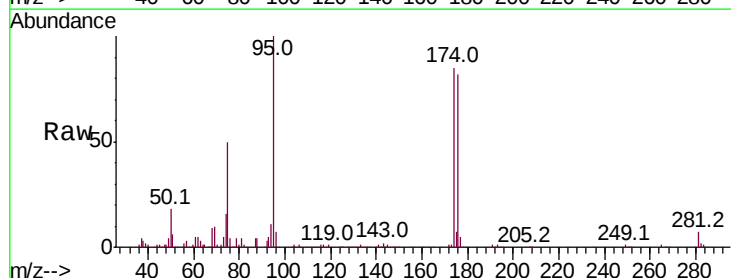
Instrument :
MSVOA_D
ClientSampleId :
VD1002SBL01

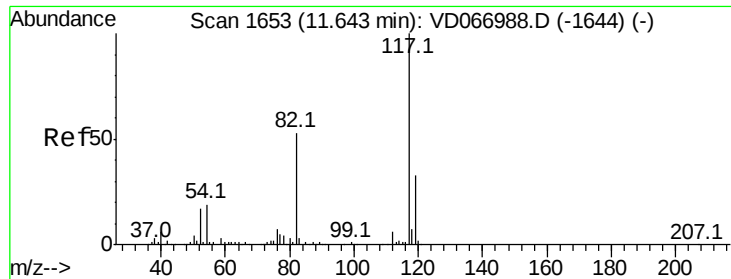
Tot Ion: 98 Resp: 942556
Ion Ratio Lower Upper
98 100
100 66.2 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 47.227 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067028.D
Acq: 02 Oct 2020 11:46

Tgt Ion: 95 Resp: 309468
Ion Ratio Lower Upper
95 100
174 84.6 0.0 167.6
176 79.5 0.0 162.4

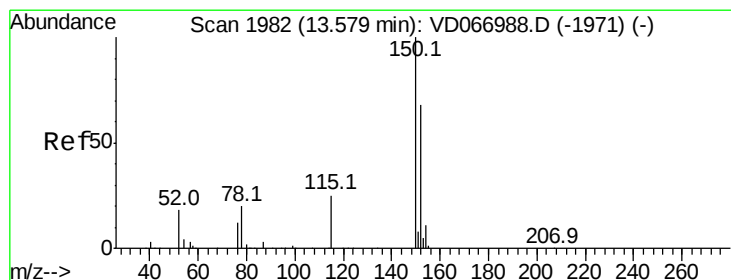
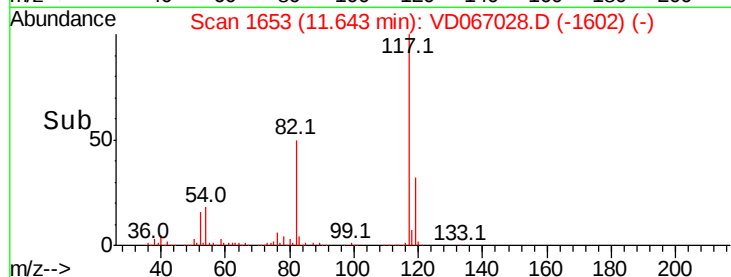
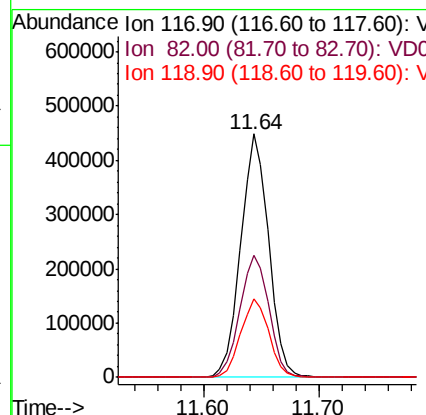
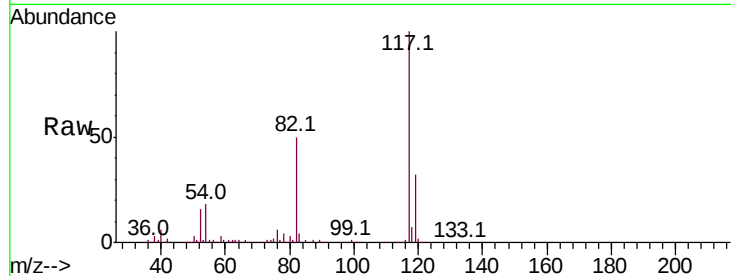




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD067028.D
Acq: 02 Oct 2020 11:46

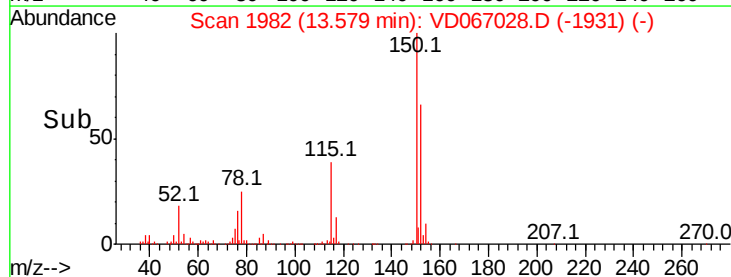
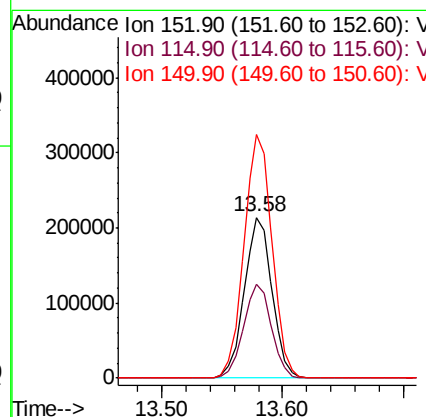
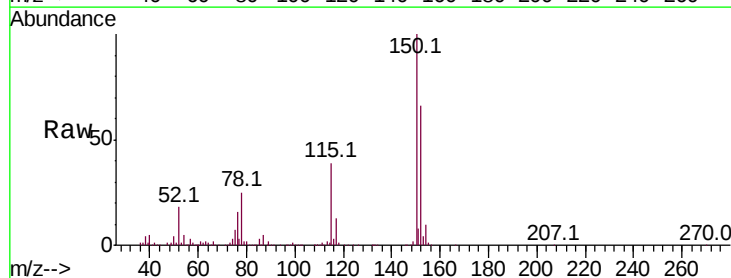
Instrument :
MSVOA_D
ClientSampleId :
VD1002SBL01

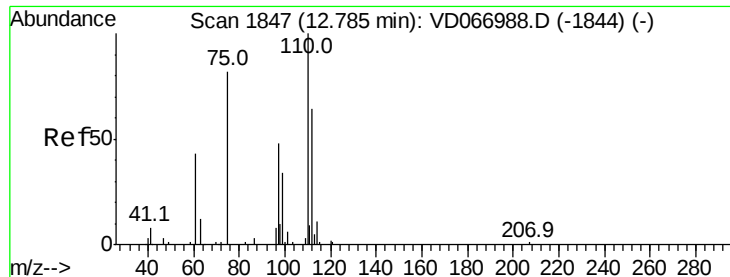
Tot Ion	Ratio	Lower	Upper
117	100		
82	49.9	42.6	63.8
119	32.1	26.3	39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD067028.D
Acq: 02 Oct 2020 11:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.8	29.6	88.8
150	153.8	0.0	344.8





#76

1,2,3-Trichloropropane

Concen: 51.738 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067028.D

Acq: 02 Oct 2020 11:46

Instrument :

MSVOA_D

ClientSampleId :

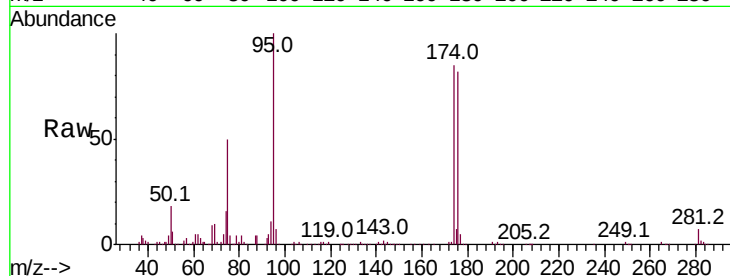
VD1002SBL01

Tot Ion: 75 Resp: 154136

Ion Ratio Lower Upper

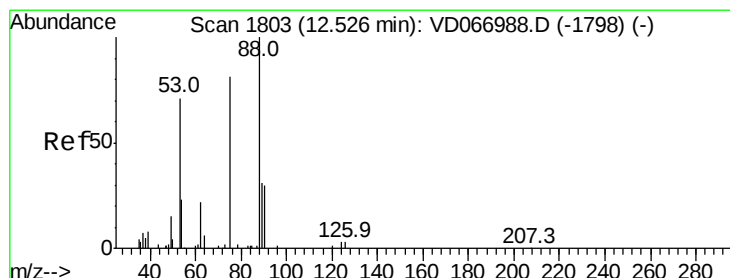
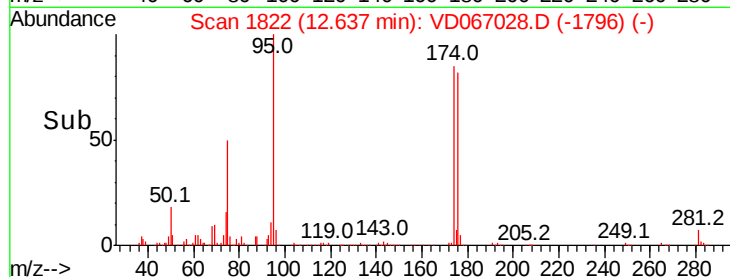
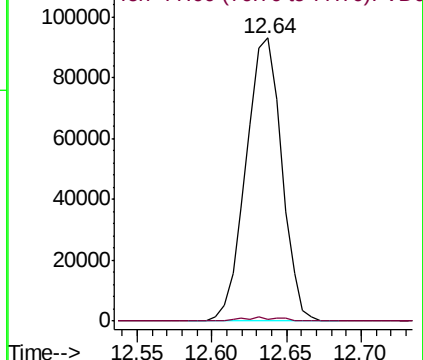
75 100

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



#81

trans-1,4-Dichloro-2-butene

Concen: 128.989 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067028.D

Acq: 02 Oct 2020 11:46

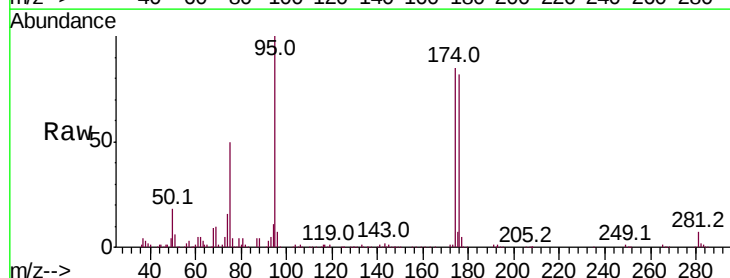
Tgt Ion: 75 Resp: 154136

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

