

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111820\
 Data File : VD067686.D
 Acq On : 18 Nov 2020 15:24
 Operator : VA/SY
 Sample : L4780-01RE
 Misc : 6.85G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-01-111720

Quant Time: Nov 19 00:27:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	271235	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	425058	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	401847	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	145172	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	131353	55.38	ug/l	0.00
Spiked Amount			Recovery	=	110.76%	
35) Dibromofluoromethane	7.92	113	130703	51.04	ug/l	0.00
Spiked Amount			Recovery	=	102.08%	
50) Toluene-d8	10.34	98	489533	54.39	ug/l	0.00
Spiked Amount			Recovery	=	108.78%	
62) 4-Bromofluorobenzene	12.64	95	151458	48.74	ug/l	0.00
Spiked Amount			Recovery	=	97.48%	

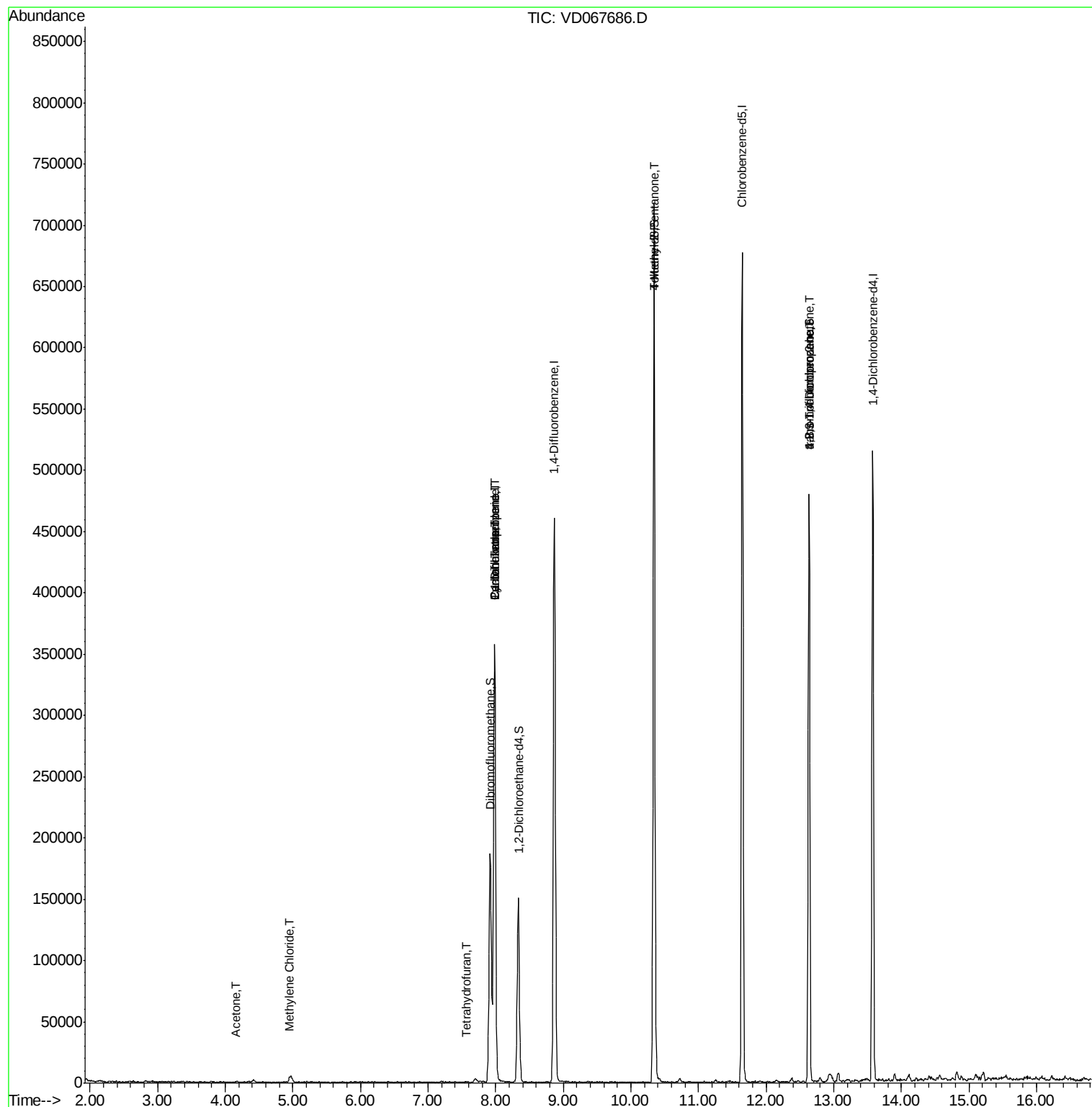
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	66	Below Cal	#	44
16) Acetone	4.15	43	624	1.758	ug/l #	43
20) Methylene Chloride	4.96	84	4859	1.938	ug/l #	70
29) Tetrahydrofuran	7.57	42	321	1.413	ug/l #	71
31) Cyclohexane	7.98	56	4821	1.402	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	19016	5.226	ug/l #	49
38) Carbon Tetrachloride	7.98	117	27211	5.756	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	1800	2.015	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	79817	91.140	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	79817	185.039	ug/l #	10

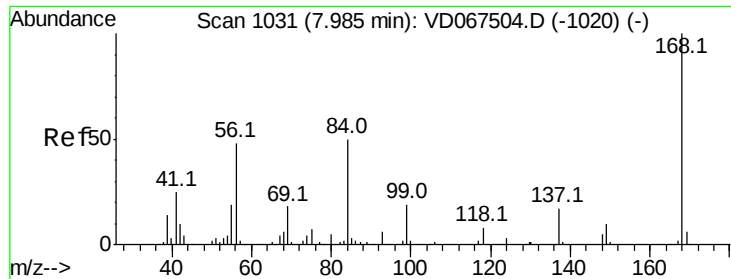
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111820\
Data File : VD067686.D
Acq On : 18 Nov 2020 15:24
Operator : VA/SY
Sample : L4780-01RE
Misc : 6.85G/5.00ml/MSVOA D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
CL-01-111720

Quant Time: Nov 19 00:27:36 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 00:56:28 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067686.D

Acq: 18 Nov 2020 15:24

Instrument :

MSVOA_D

ClientSampleId :

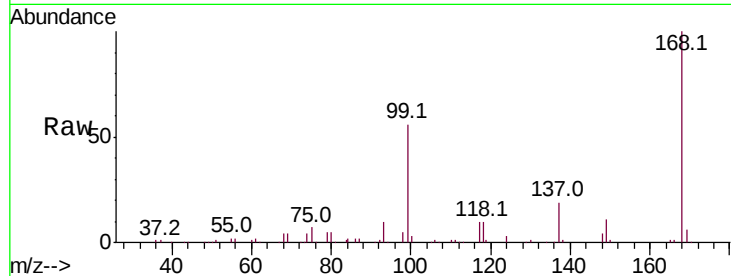
CL-01-111720

Tot Ion:168 Resp: 271235

Ion Ratio Lower Upper

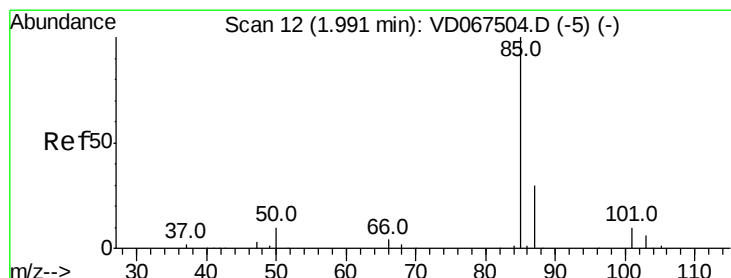
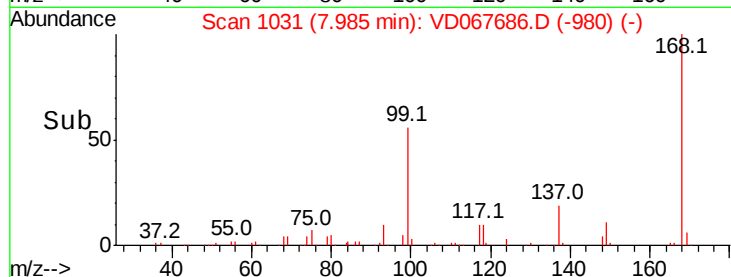
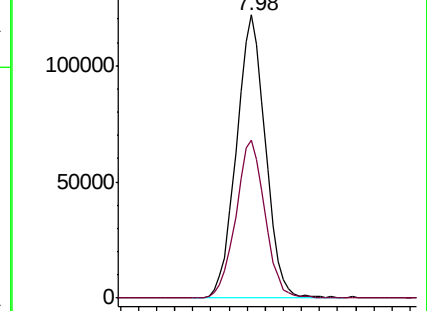
168 100

99 55.8 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067686.D

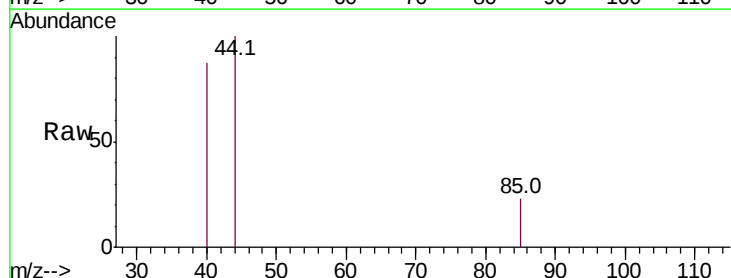
Acq: 18 Nov 2020 15:24

Tgt Ion: 85 Resp: 66

Ion Ratio Lower Upper

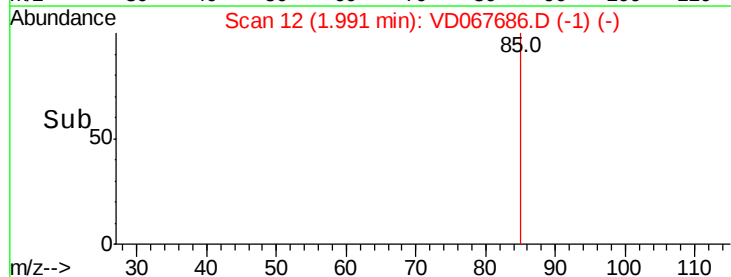
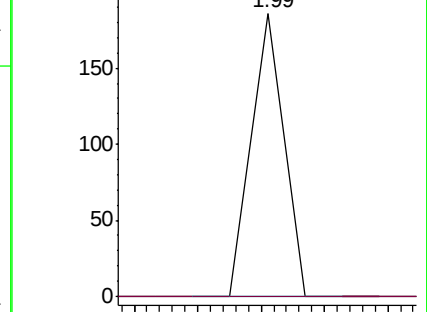
85 100

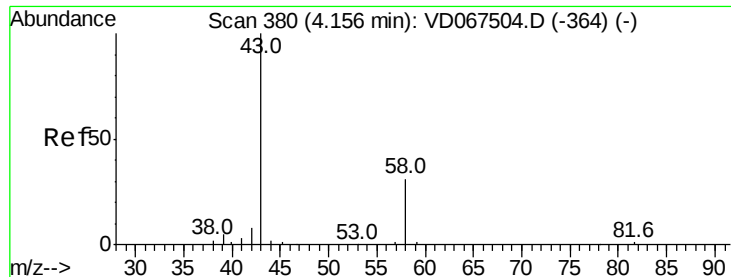
87 0.0 15.3 45.8#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#16

Acetone

Concen: 1.758 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD067686.D

Acq: 18 Nov 2020 15:24

Instrument :

MSVOA_D

ClientSampleId :

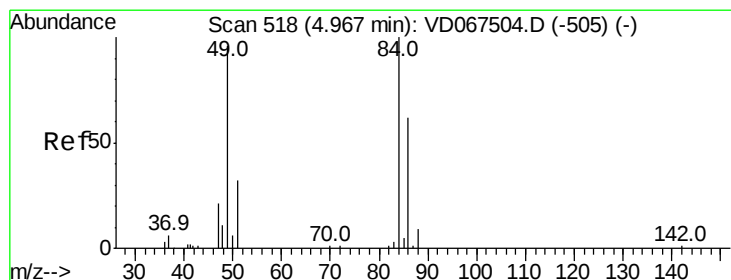
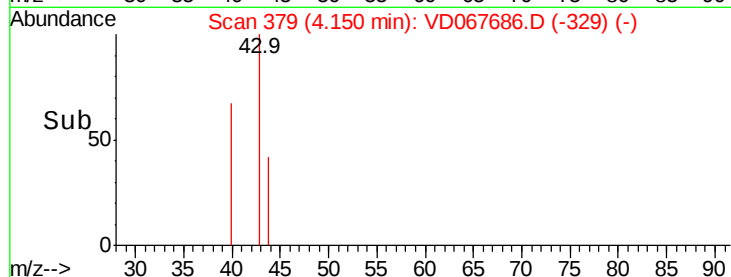
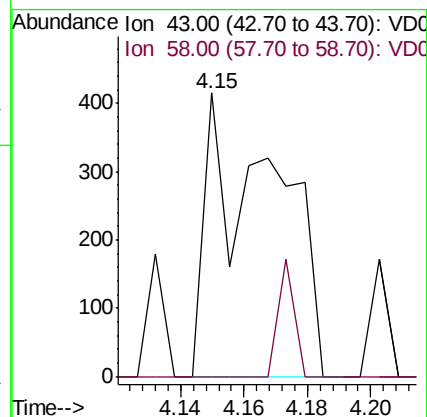
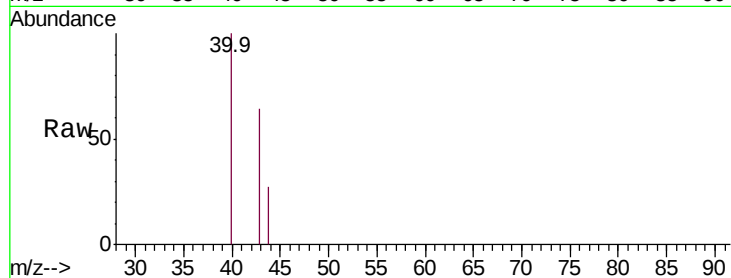
CL-01-111720

Tot Ion: 43 Resp: 624

Ion Ratio Lower Upper

43 100

58 0.0 25.2 37.8#



#20

Methylene Chloride

Concen: 1.938 ug/l

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD067686.D

Acq: 18 Nov 2020 15:24

Tgt Ion: 84 Resp: 4859

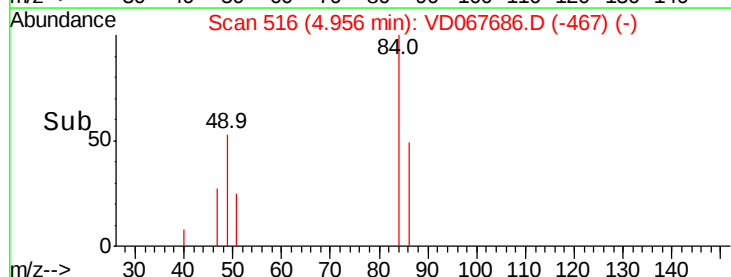
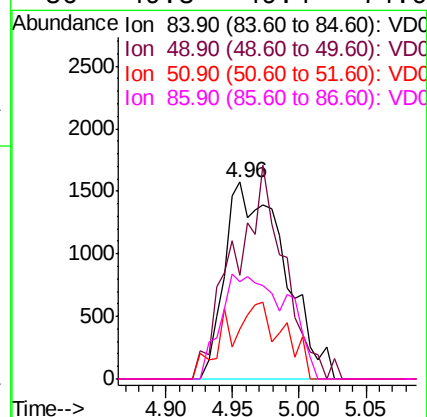
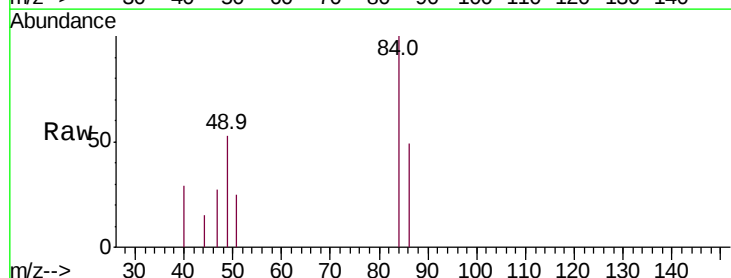
Ion Ratio Lower Upper

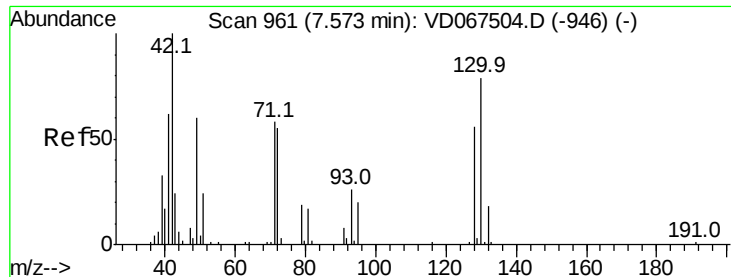
84 100

49 52.8 77.0 115.4#

51 25.4 25.4 38.2#

86 49.3 49.4 74.0#





#29

Tetrahydrofuran

Concen: 1.413 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD067686.D

Acq: 18 Nov 2020 15:24

Instrument :

MSVOA_D

ClientSampleId :

CL-01-111720

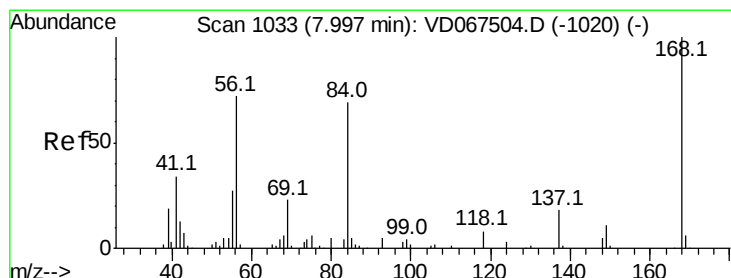
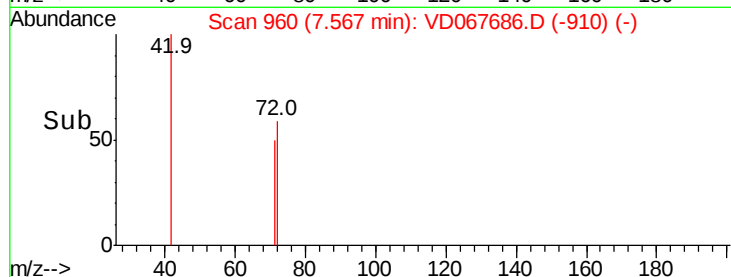
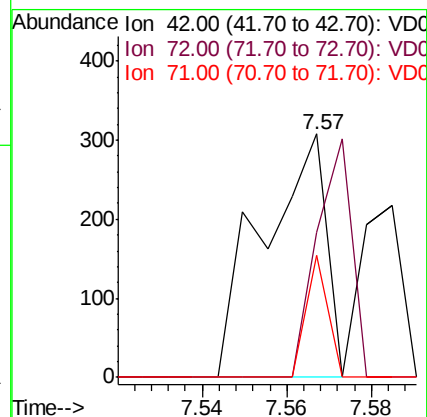
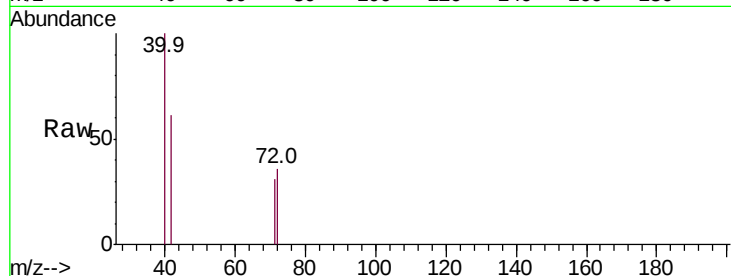
Tot Ion: 42 Resp: 321

Ion Ratio Lower Upper

42 100

72 53.3 46.3 69.5

71 17.1 44.0 66.0#



#31

Cyclohexane

Concen: 1.402 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VD067686.D

Acq: 18 Nov 2020 15:24

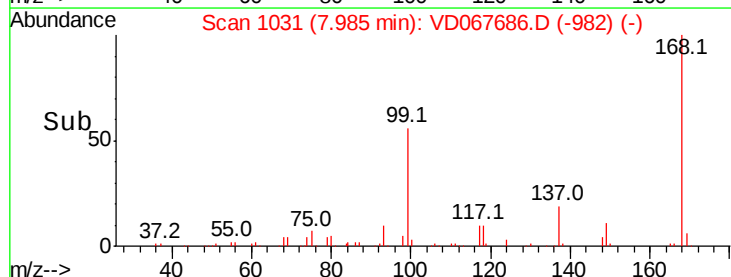
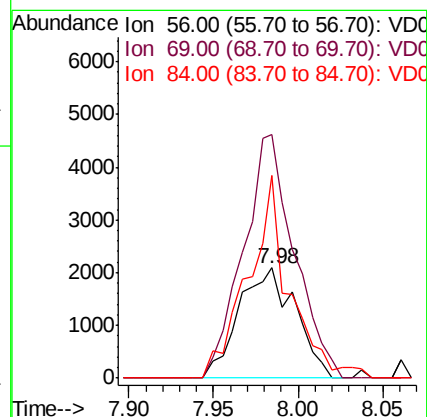
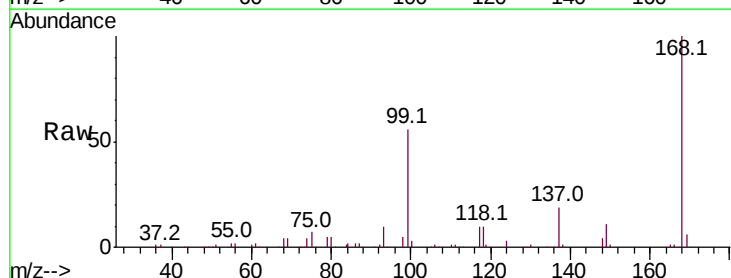
Tgt Ion: 56 Resp: 4821

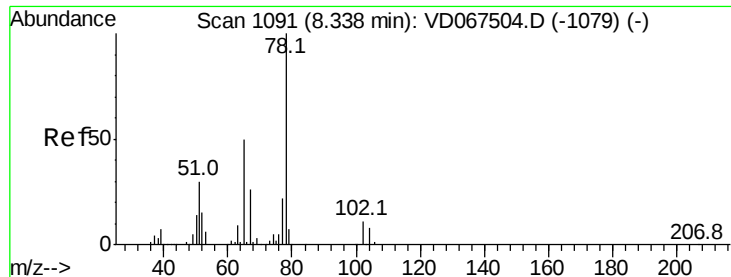
Ion Ratio Lower Upper

56 100

69 221.6 25.9 38.9#

84 184.5 76.2 114.4#





#33

1,2-Dichloroethane-d4

Concen: 55.385 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD067686.D

Acq: 18 Nov 2020 15:24

Instrument :

MSVOA_D

ClientSampleId :

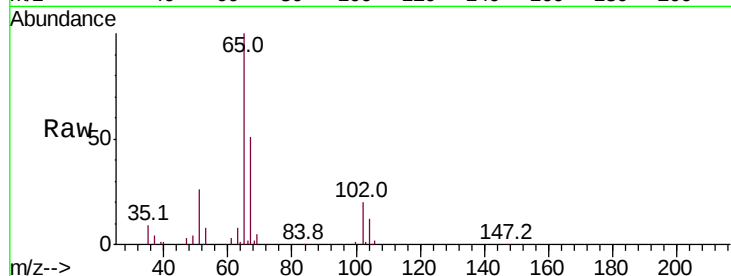
CL-01-111720

Tot Ion: 65 Resp: 131353

Ion Ratio Lower Upper

65 100

67 48.5 0.0 99.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

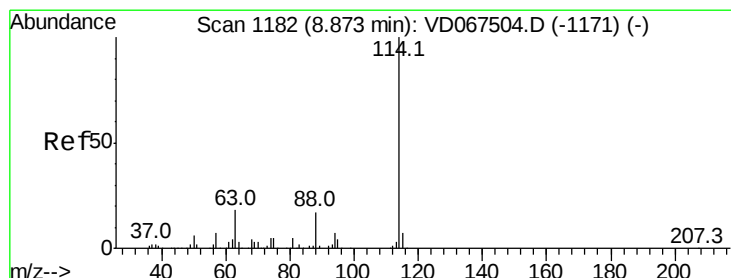
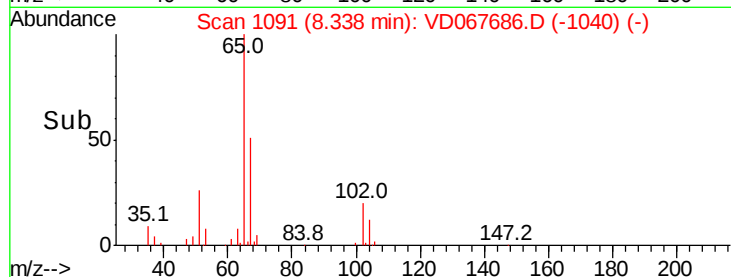
60000

40000

20000

0

Time--> 8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VD067686.D

Acq: 18 Nov 2020 15:24

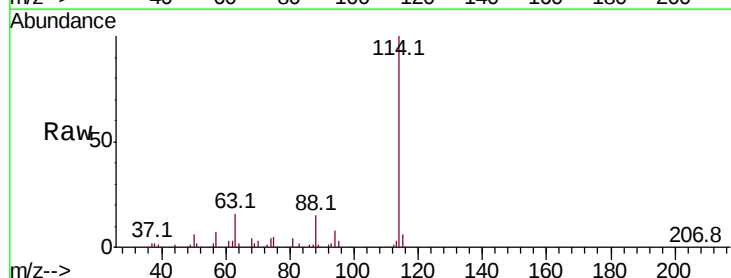
Tgt Ion: 114 Resp: 425058

Ion Ratio Lower Upper

114 100

63 16.3 0.0 35.0

88 15.0 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

250000

200000

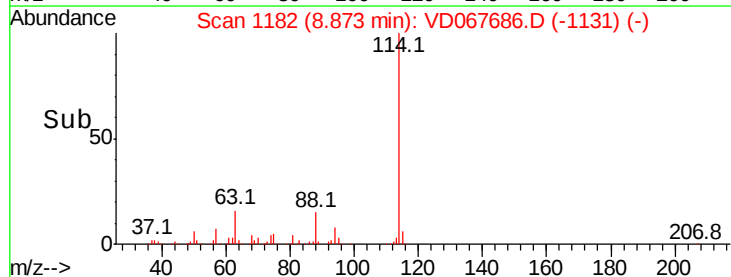
150000

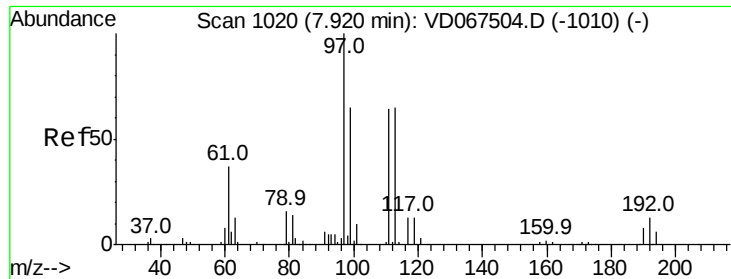
100000

50000

0

Time--> 8.80 8.90 9.00

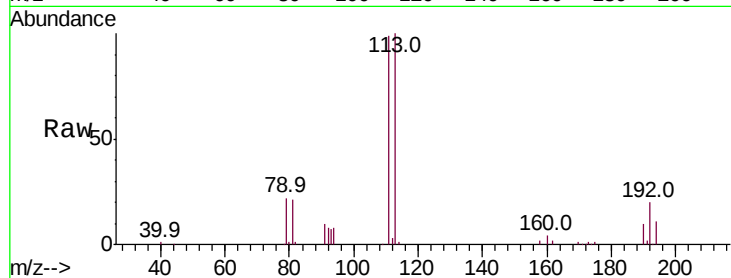




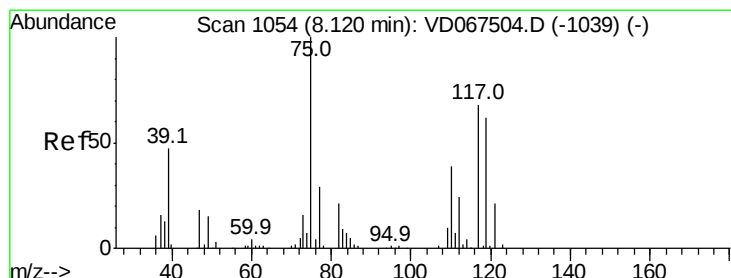
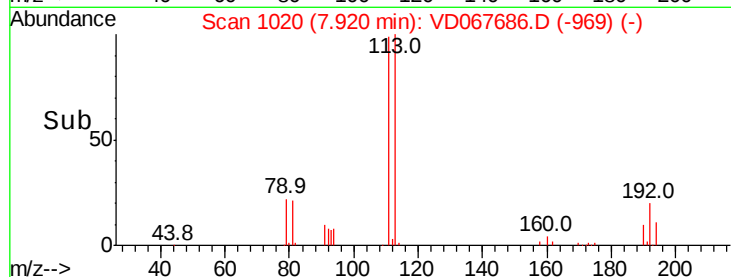
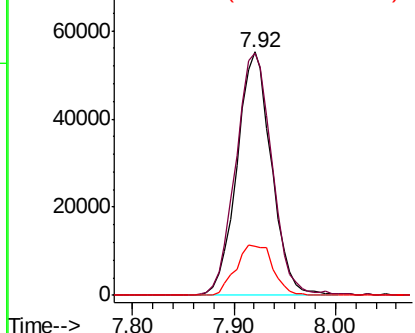
#35
 Dibromofluoromethane
 Concen: 51.037 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067686.D
 Acq: 18 Nov 2020 15:24

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-01-111720

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.8	80.0	120.0
192	22.1	16.3	24.5

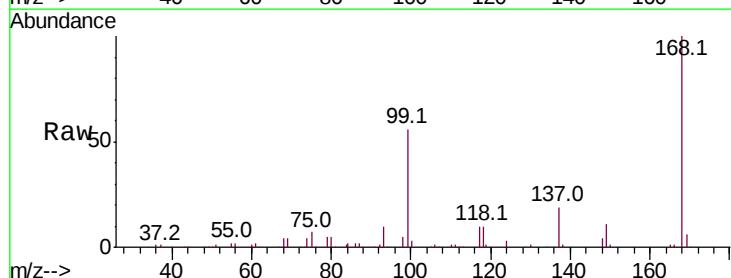


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

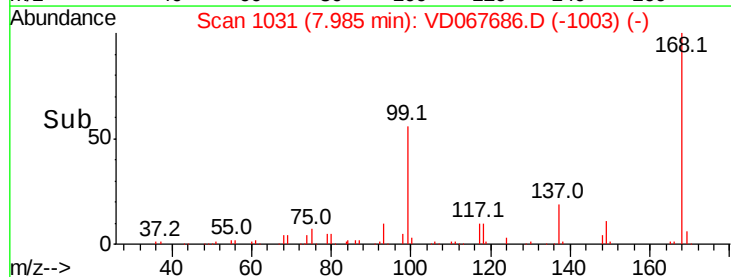
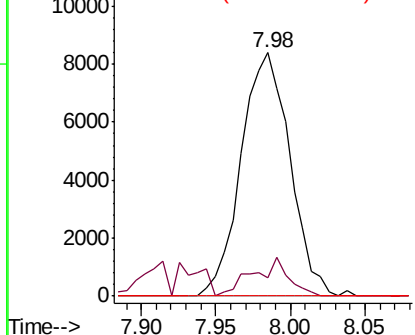


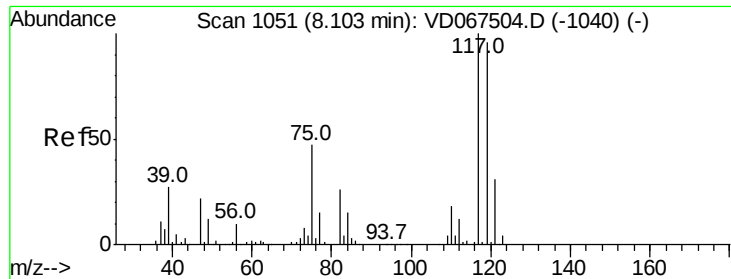
#36
 1,1-Dichloropropene
 Concen: 5.226 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.14 min
 Lab File: VD067686.D
 Acq: 18 Nov 2020 15:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.3	19.9	59.7#
77	0.0	24.8	37.2#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.756 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067686.D

Acq: 18 Nov 2020 15:24

Instrument :

MSVOA_D

ClientSampleId :

CL-01-111720

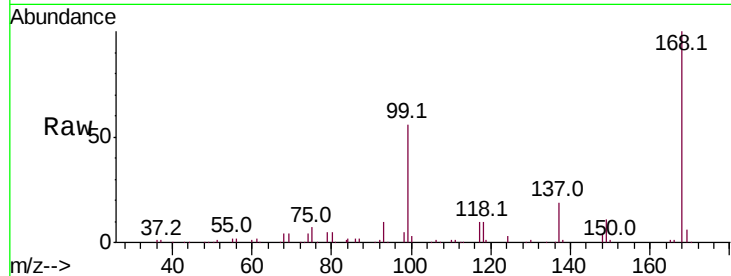
Tot Ion:117 Resp: 27211

Ion Ratio Lower Upper

117 100

119 5.1 76.9 115.3#

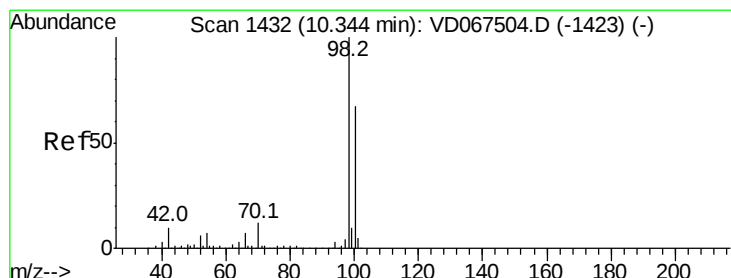
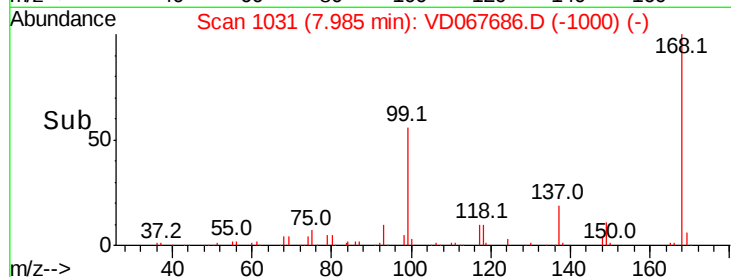
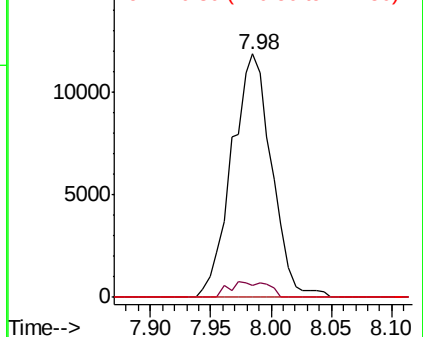
121 0.0 24.5 36.7#



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: 54.394 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067686.D

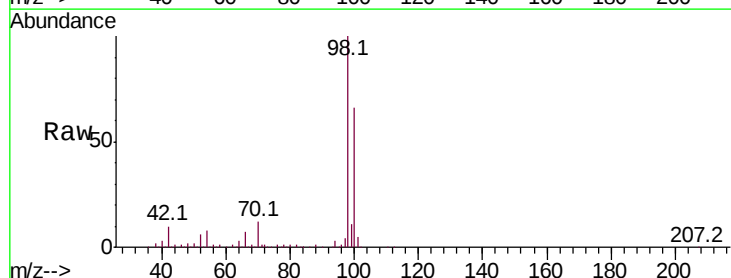
Acq: 18 Nov 2020 15:24

Tgt Ion: 98 Resp: 489533

Ion Ratio Lower Upper

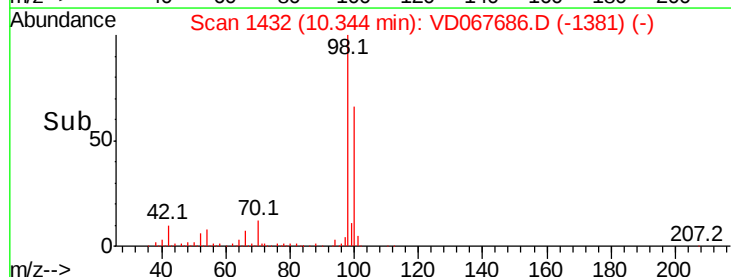
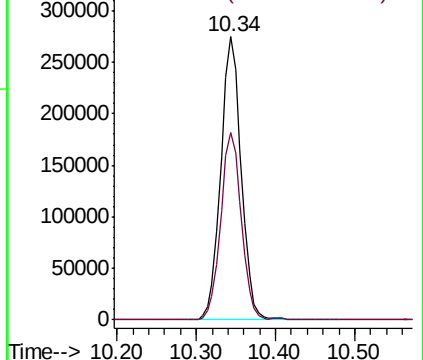
98 100

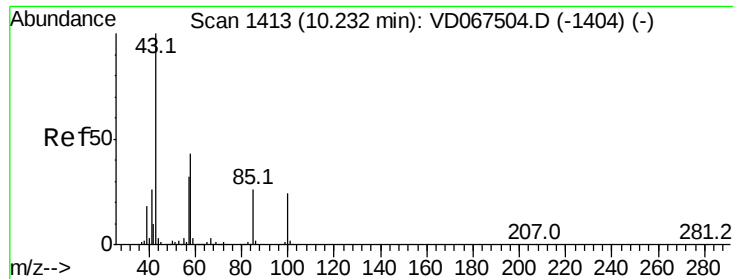
100 67.0 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 2.015 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD067686.D

Acq: 18 Nov 2020 15:24

Instrument :

MSVOA_D

ClientSampleId :

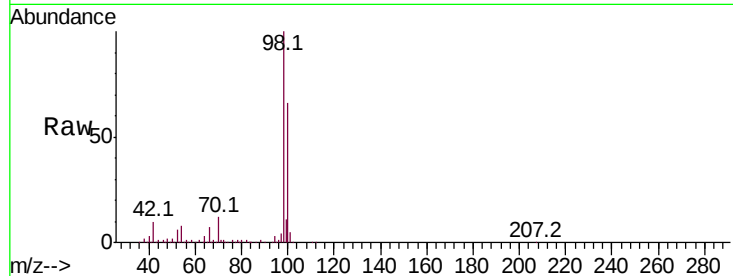
CL-01-111720

Tot Ion: 43 Resp: 1800

Ion Ratio Lower Upper

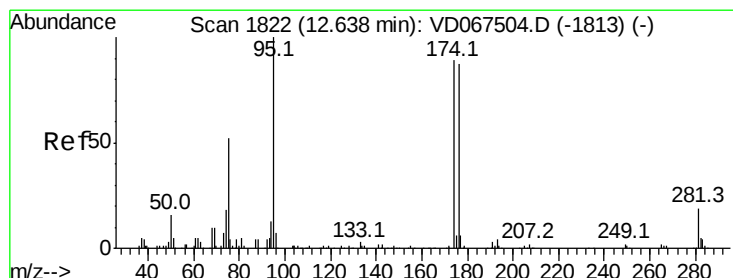
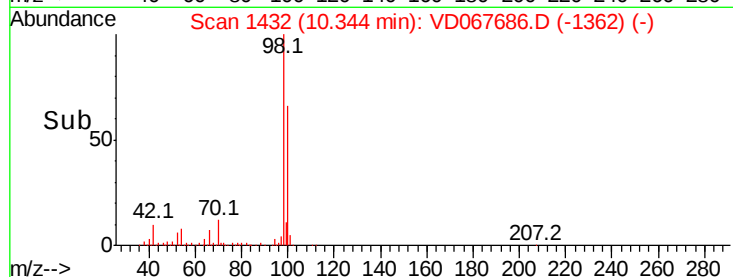
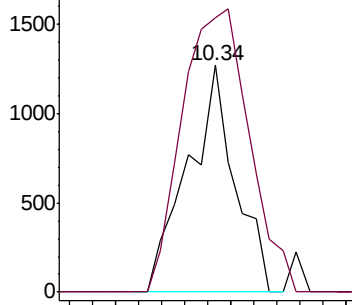
43 100

58 178.1 35.6 53.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 48.745 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067686.D

Acq: 18 Nov 2020 15:24

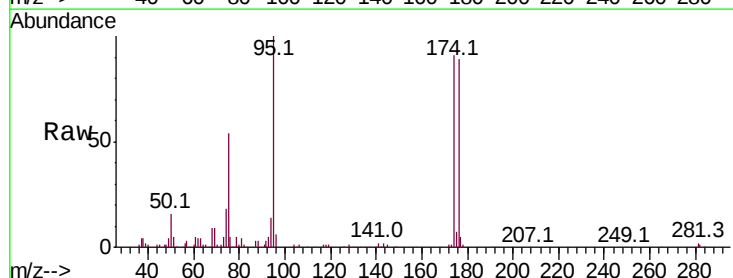
Tgt Ion: 95 Resp: 151458

Ion Ratio Lower Upper

95 100

174 93.9 0.0 177.8

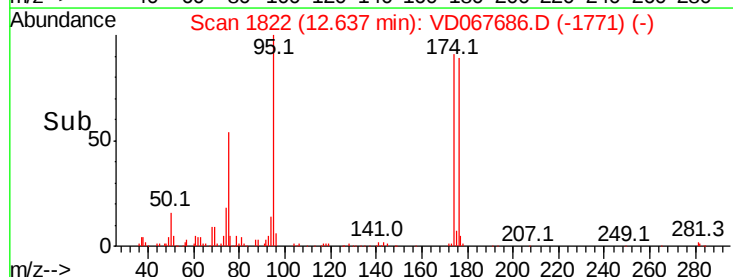
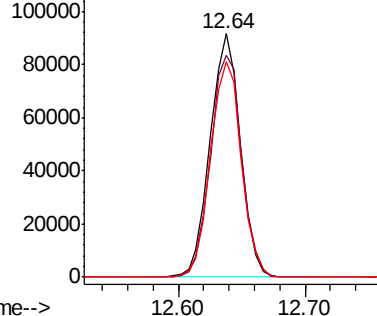
176 90.3 0.0 172.0

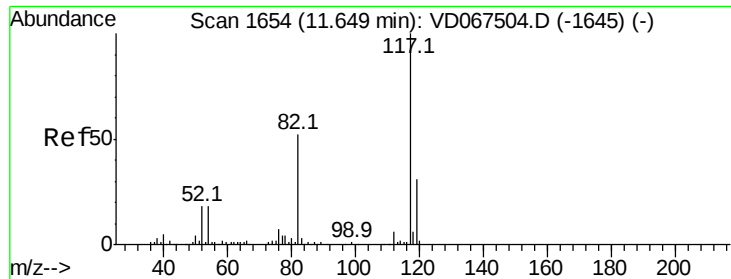


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

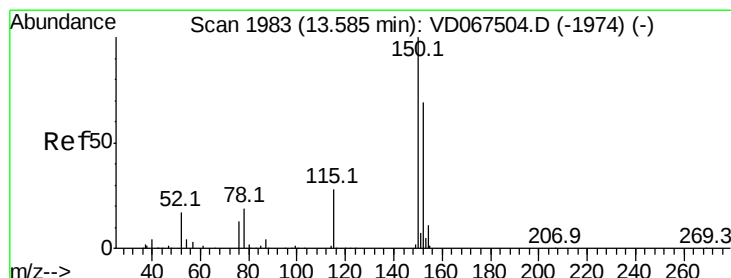
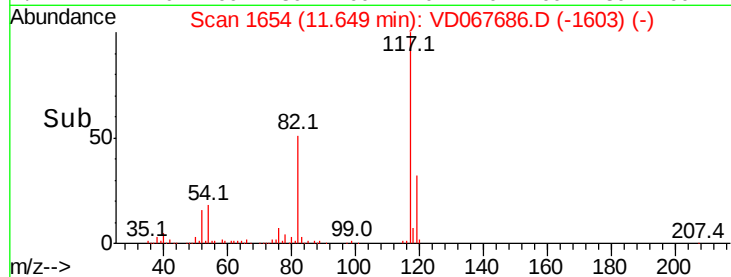
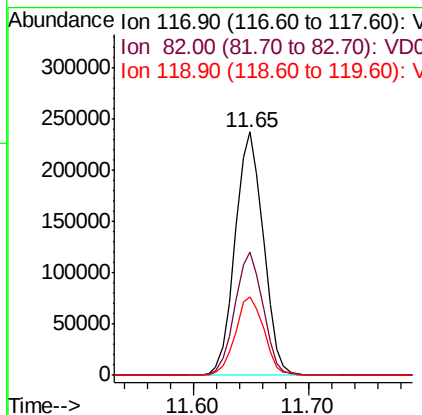
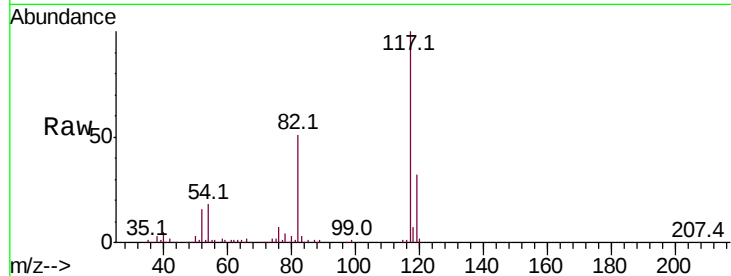




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067686.D
Acq: 18 Nov 2020 15:24

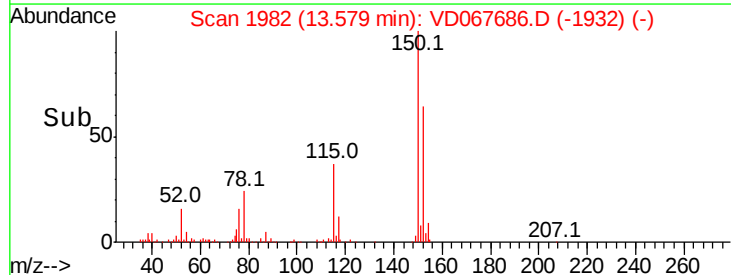
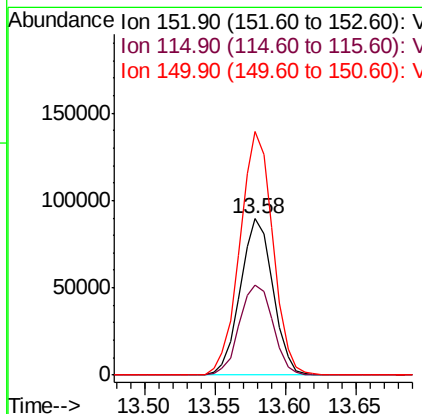
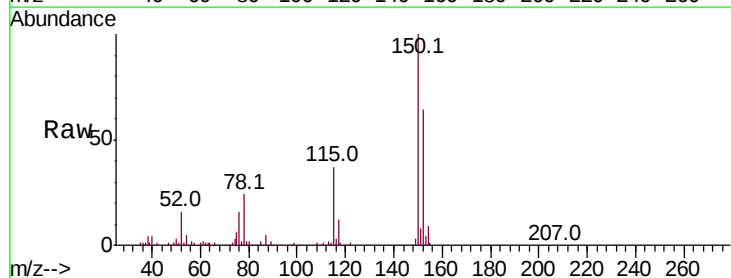
Instrument :
MSVOA_D
ClientSampleId :
CL-01-111720

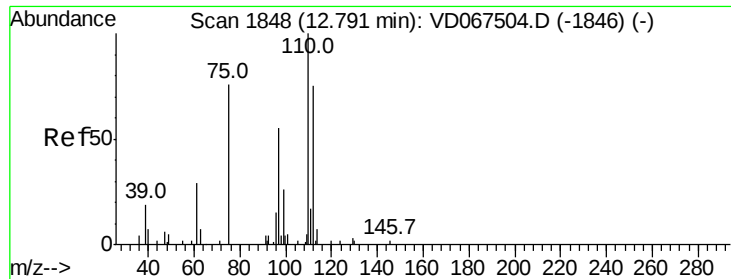
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.8	41.6	62.4
119	32.1	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067686.D
Acq: 18 Nov 2020 15:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.0	29.3	88.0
150	156.7	0.0	338.2





#76

1,2,3-Trichloropropane

Concen: 91.140 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067686.D

Acq: 18 Nov 2020 15:24

Instrument :

MSVOA_D

ClientSampleId :

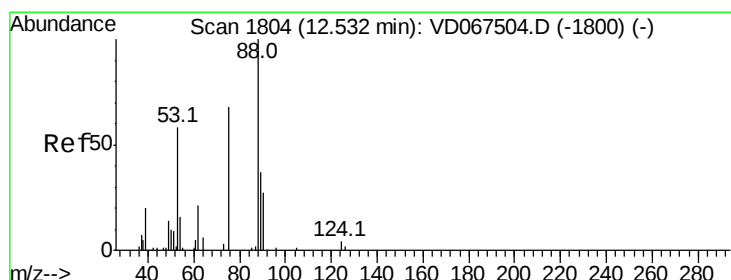
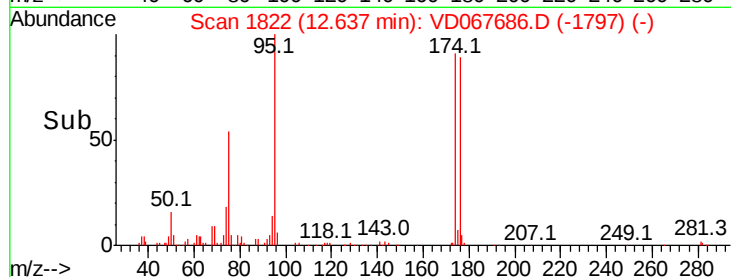
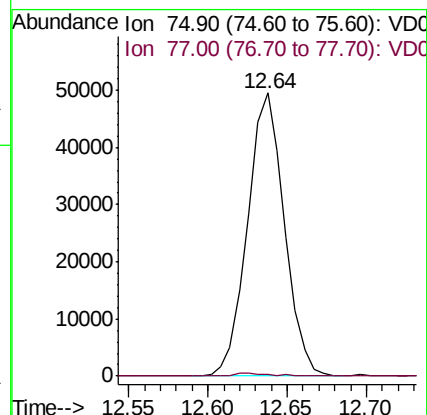
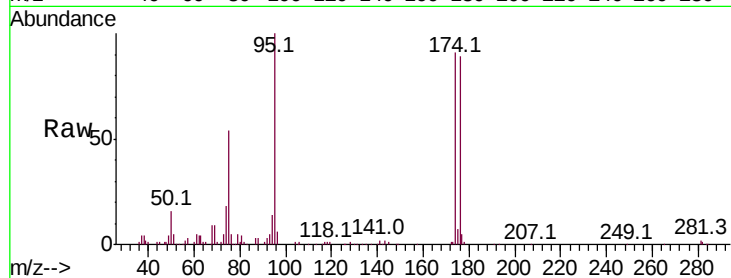
CL-01-111720

Tot Ion: 75 Resp: 79817

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 185.039 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067686.D

Acq: 18 Nov 2020 15:24

Tgt Ion: 75 Resp: 79817

Ion Ratio Lower Upper

75 100

53 0.2 75.9 113.9#

89 0.0 44.6 67.0#

