

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110520\
 Data File : VD067538.D
 Acq On : 05 Nov 2020 13:20
 Operator : VA/SY
 Sample : L4635-01
 Misc : 5.95G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 06 00:15:25 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

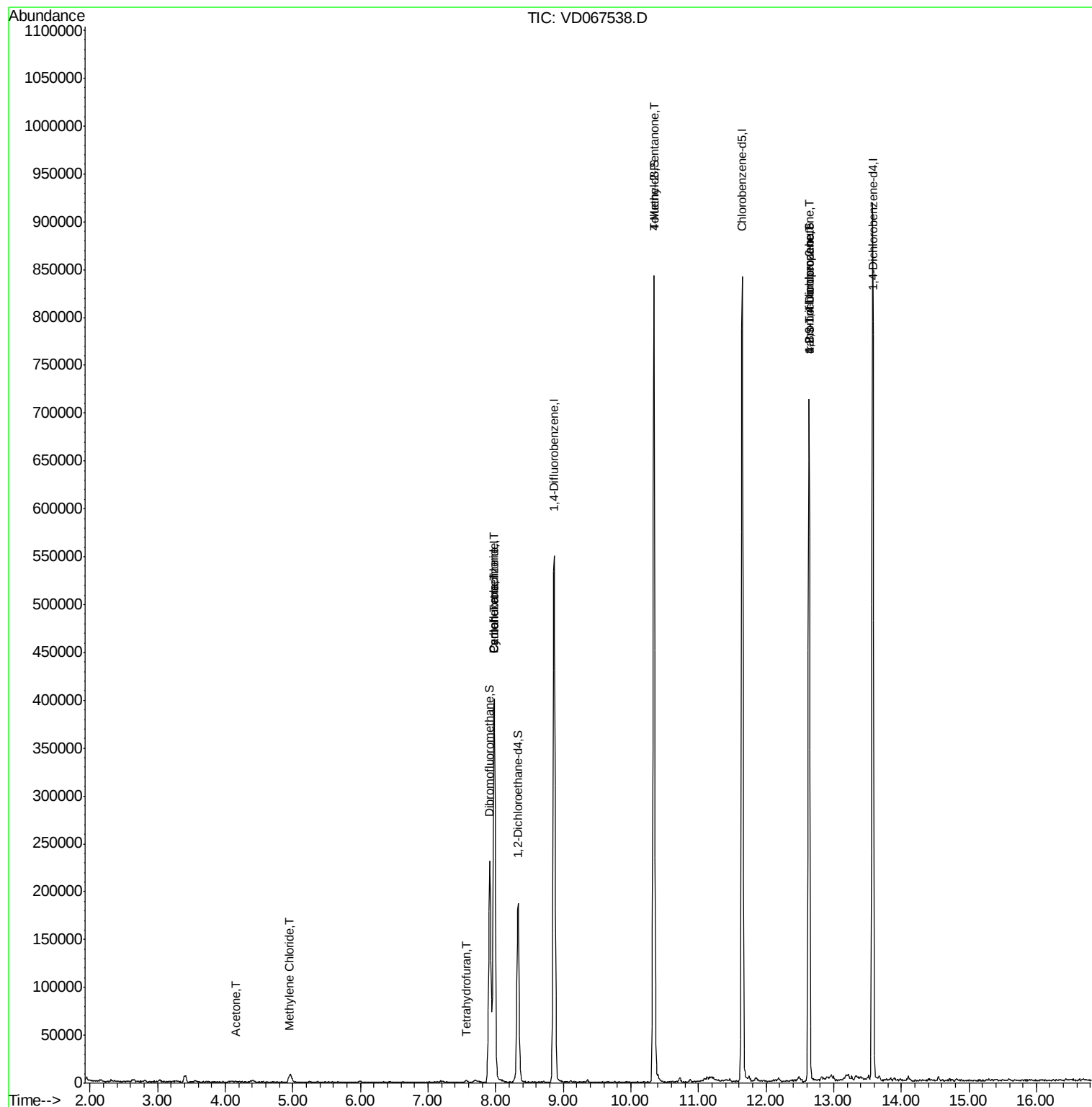
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	311266	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	502540	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	516130	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	250986	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	160848	59.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.20%	
35) Dibromofluoromethane	7.91	113	163863	54.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.24%	
50) Toluene-d8	10.34	98	594536	55.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.76%	
62) 4-Bromofluorobenzene	12.64	95	226833	61.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	123.50%	
Target Compounds						
2) Dichlorodifluoromethane	1.99	85	738	Below Cal		99
16) Acetone	4.15	43	1073	2.635 ug/l #		43
20) Methylene Chloride	4.95	84	4042	1.405 ug/l #		74
29) Tetrahydrofuran	7.56	42	1046	4.013 ug/l #		78
31) Cyclohexane	7.98	56	6297	1.595 ug/l #		30
38) Carbon Tetrachloride	7.98	117	32816	5.871 ug/l #		18
51) 4-Methyl-2-Pentanone	10.34	43	2917	2.762 ug/l #		1
76) 1,2,3-Trichloropropane	12.64	75	115446	76.248 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.64	75	115446	154.803 ug/l #		10

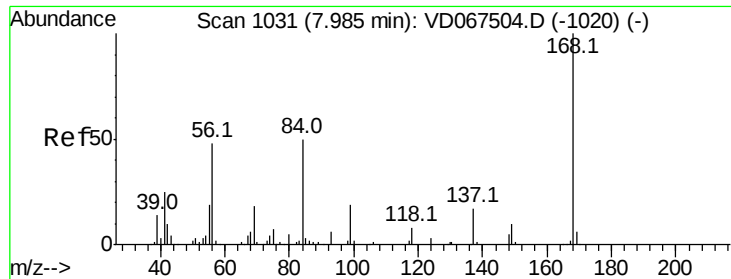
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD110520\
Data File : VD067538.D
Acq On : 05 Nov 2020 13:20
Operator : VA/SY
Sample : L4635-01
Misc : 5.95G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Nov 06 00:15:25 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# 1030

Delta R.T. -0.01 min

Lab File: VD067538.D

Acq: 05 Nov 2020 13:20

Instrument :

MSVOA_D

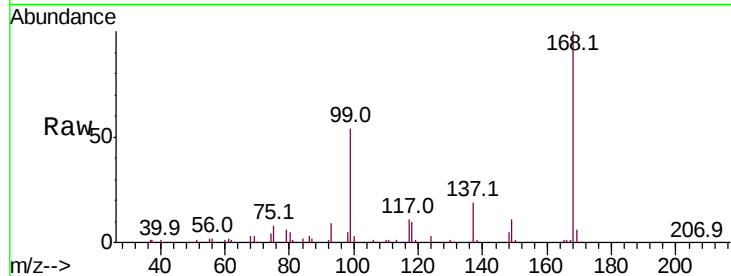
ClientSampleId :

Tot Ion:168 Resp: 311266

Ion Ratio Lower Upper

168 100

99 53.6 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

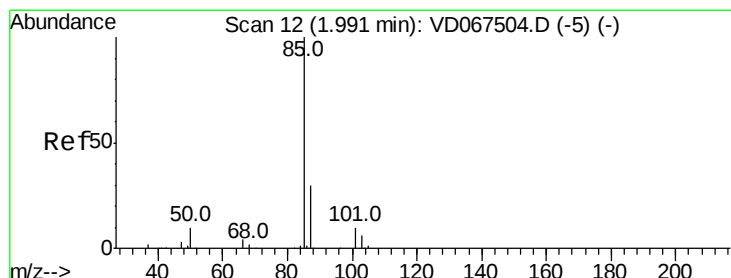
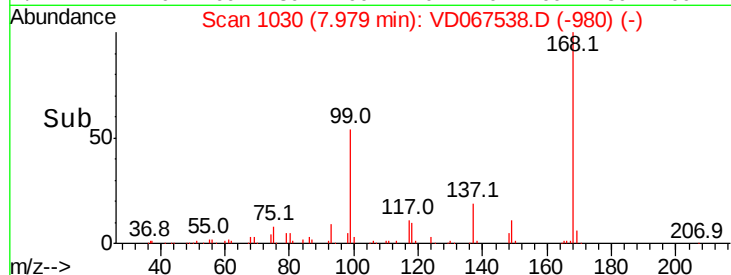
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067538.D

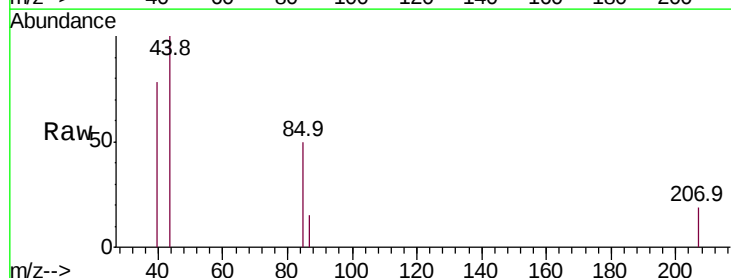
Acq: 05 Nov 2020 13:20

Tgt Ion: 85 Resp: 738

Ion Ratio Lower Upper

85 100

87 29.9 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

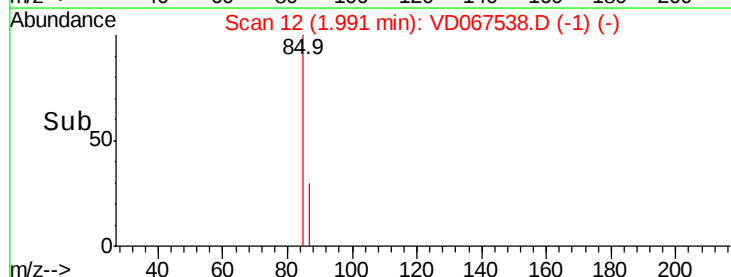
600

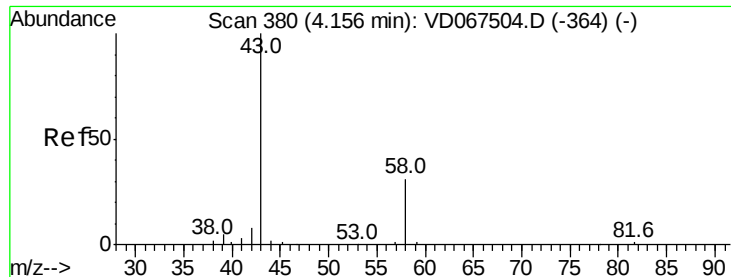
400

200

0

Time-->





#16

Acetone

Concen: 2.635 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD067538.D

Acq: 05 Nov 2020 13:20

Instrument :

MSVOA_D

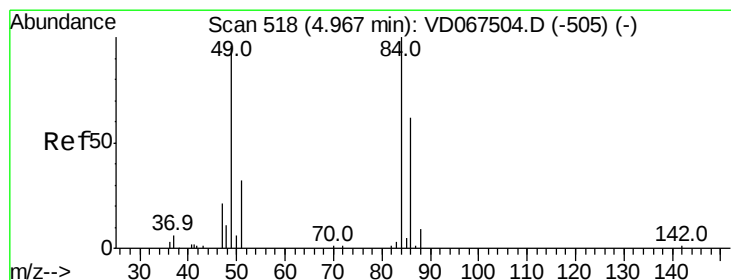
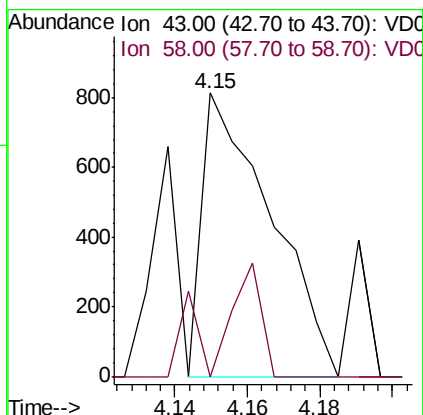
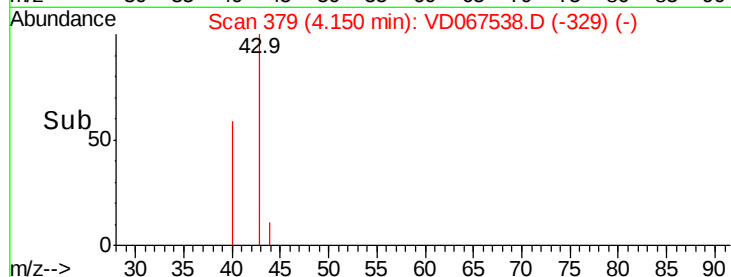
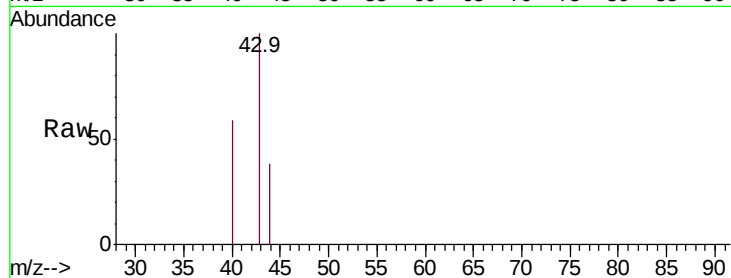
ClientSampleId :

Tot Ion: 43 Resp: 1073

Ion Ratio Lower Upper

43 100

58 0.0 25.2 37.8#



#20

Methylene Chloride

Concen: 1.405 ug/l

RT: 4.95 min Scan# 515

Delta R.T. -0.02 min

Lab File: VD067538.D

Acq: 05 Nov 2020 13:20

Tgt Ion: 84 Resp: 4042

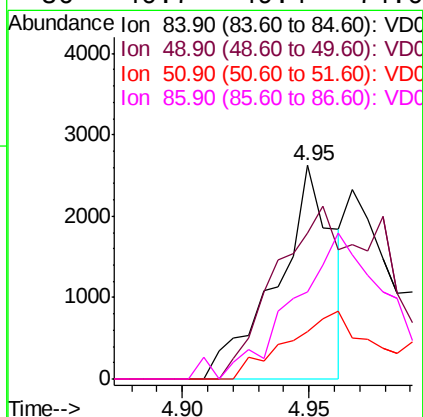
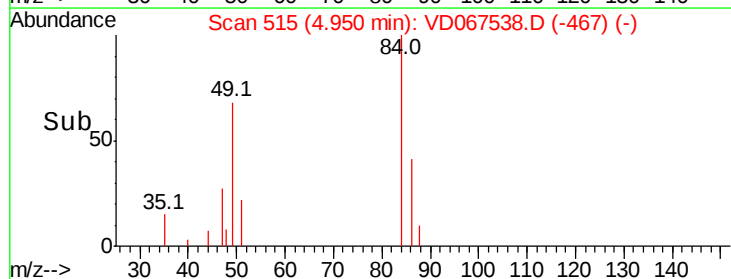
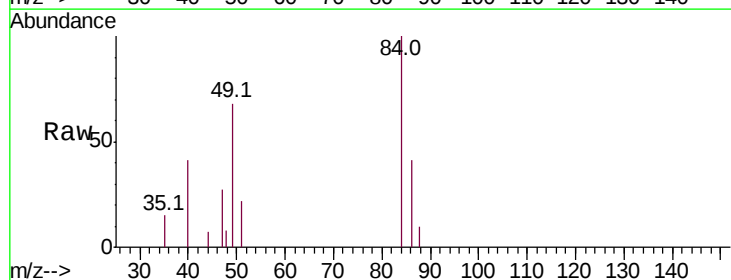
Ion Ratio Lower Upper

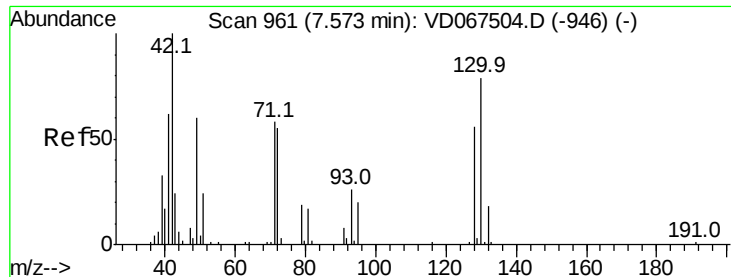
84 100

49 68.4 77.0 115.4#

51 22.0 25.4 38.2#

86 40.7 49.4 74.0#





#29

Tetrahydrofuran

Concen: 4.013 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD067538.D

Acq: 05 Nov 2020 13:20

Instrument :

MSVOA_D

ClientSampled :

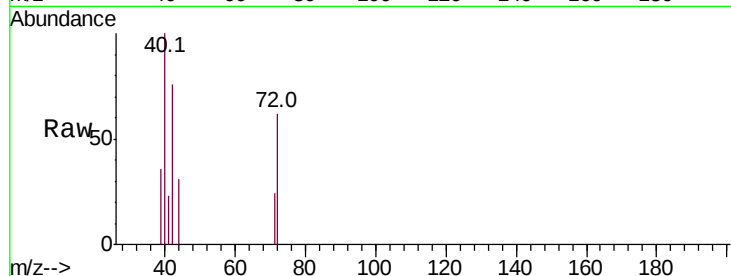
Tot Ion: 42 Resp: 1046

Ion Ratio Lower Upper

42 100

72 88.2 46.3 69.5#

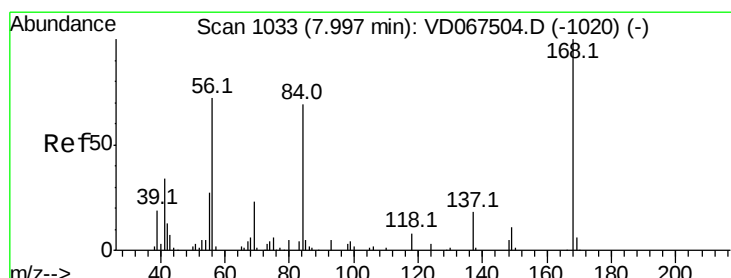
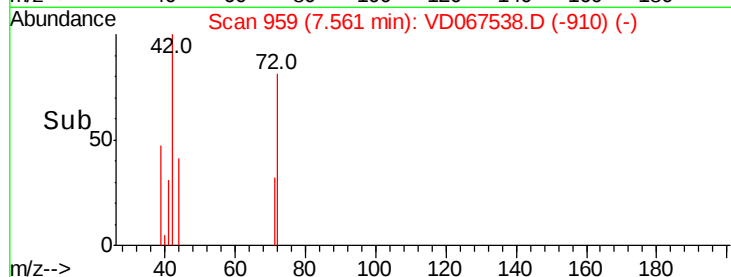
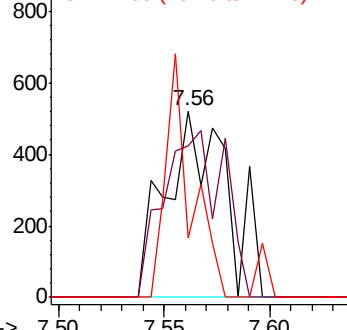
71 53.5 44.0 66.0



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#31

Cyclohexane

Concen: 1.595 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.02 min

Lab File: VD067538.D

Acq: 05 Nov 2020 13:20

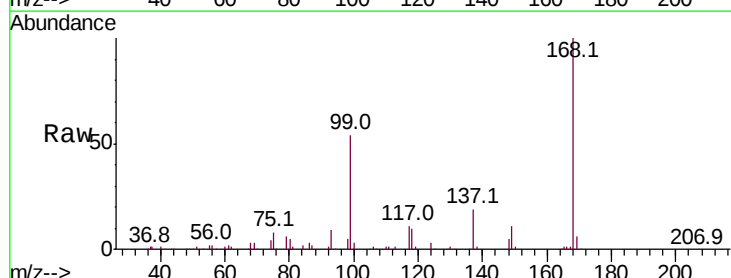
Tgt Ion: 56 Resp: 6297

Ion Ratio Lower Upper

56 100

69 155.3 25.9 38.9#

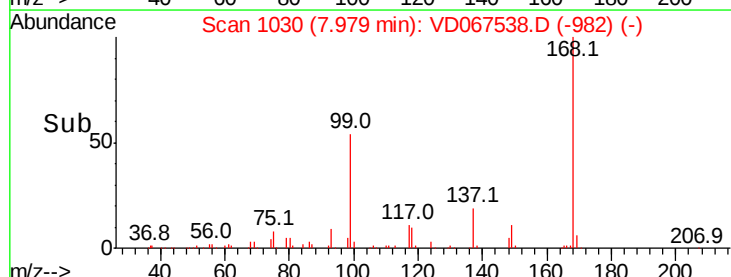
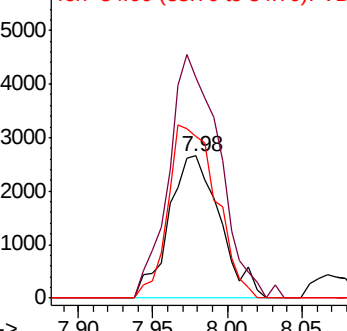
84 114.0 76.2 114.4

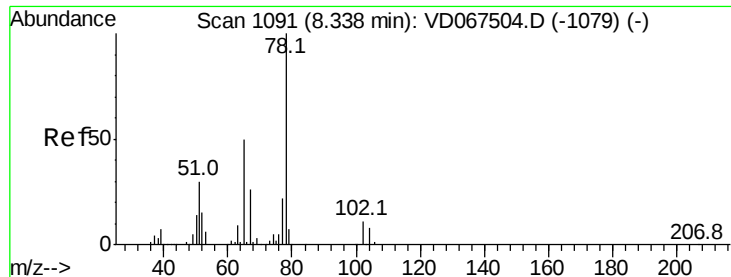


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 59.099 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067538.D

Acq: 05 Nov 2020 13:20

Instrument :

MSVOA_D

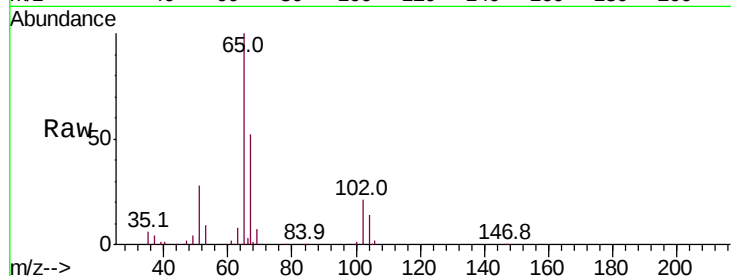
ClientSampleId :

Tot Ion: 65 Resp: 160848

Ion Ratio Lower Upper

65 100

67 49.9 0.0 99.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

60000

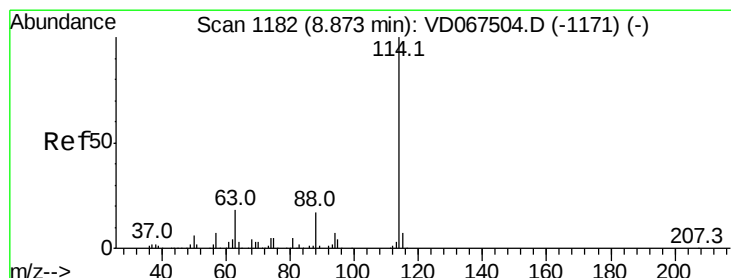
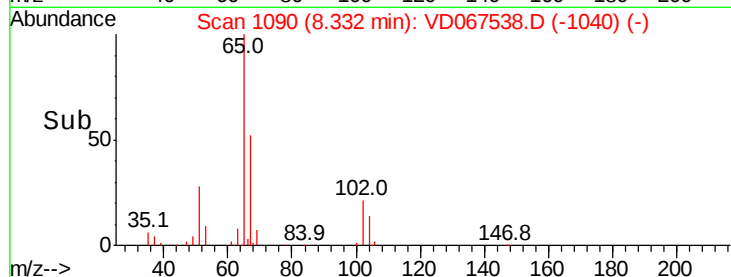
40000

20000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VD067538.D

Acq: 05 Nov 2020 13:20

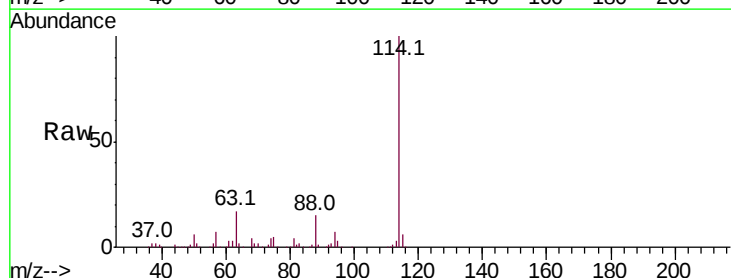
Tgt Ion:114 Resp: 502540

Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.0

88 15.2 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

300000

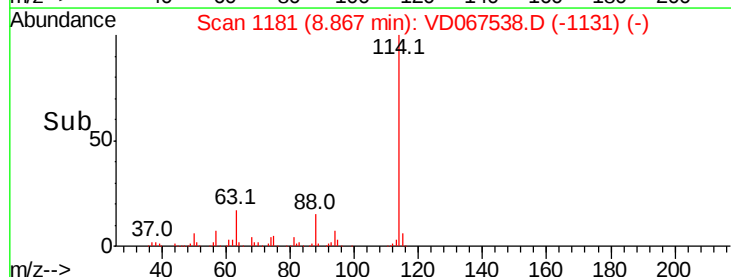
200000

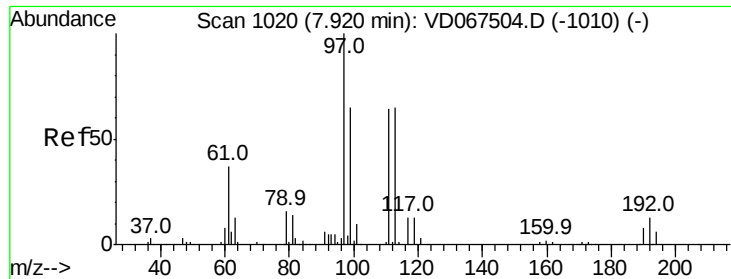
100000

0

8.80 8.90 9.00

Time-->

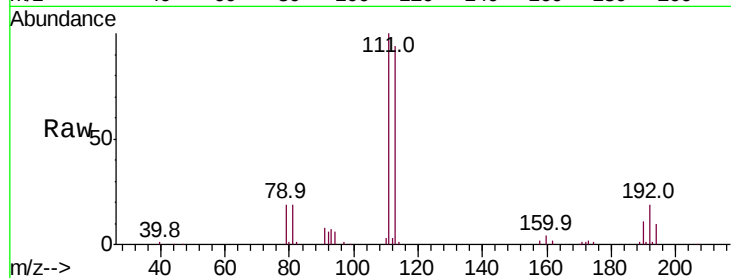




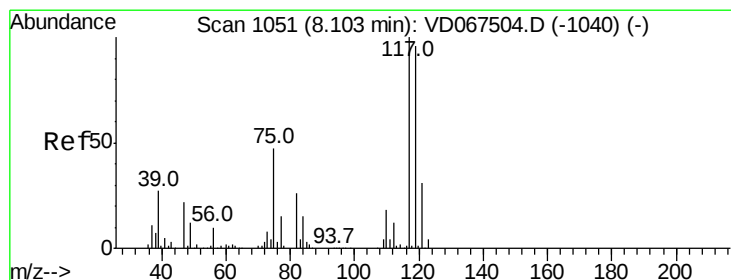
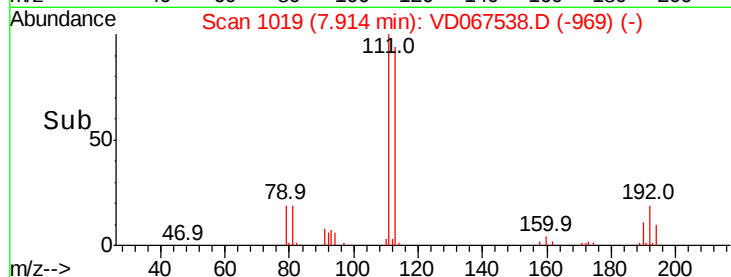
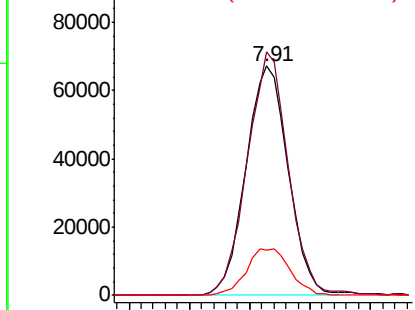
#35
 Dibromofluoromethane
 Concen: 54.120 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD067538.D
 Acq: 05 Nov 2020 13:20

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	80.0	120.0
192	21.1	16.3	24.5

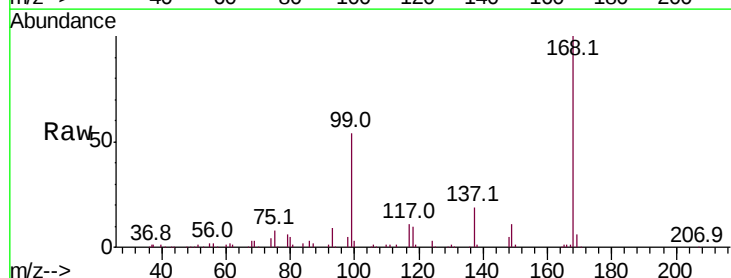


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

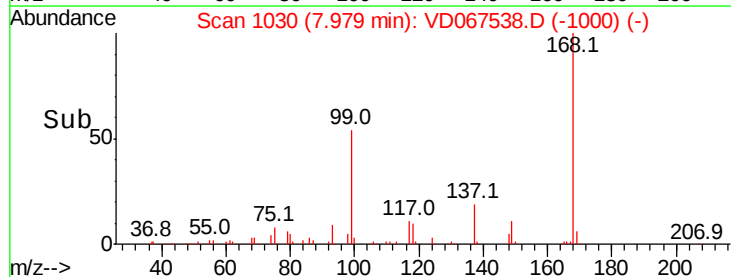
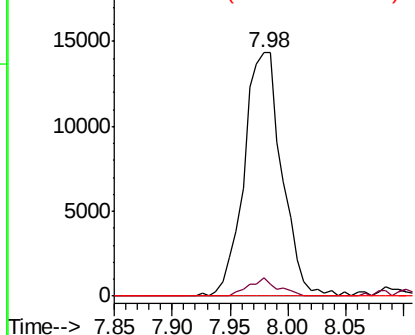


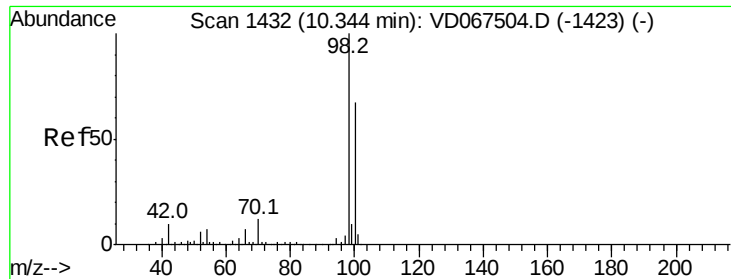
#38
 Carbon Tetrachloride
 Concen: 5.871 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD067538.D
 Acq: 05 Nov 2020 13:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.7	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

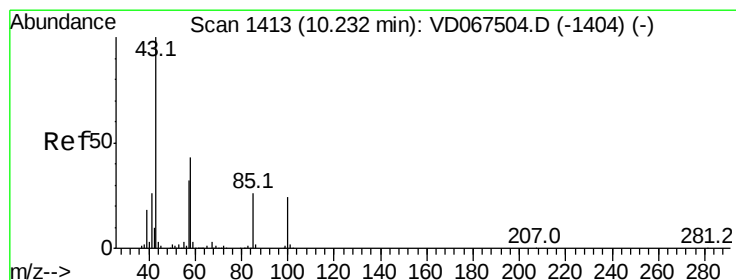
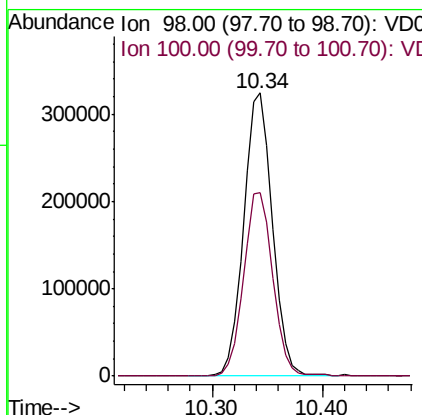
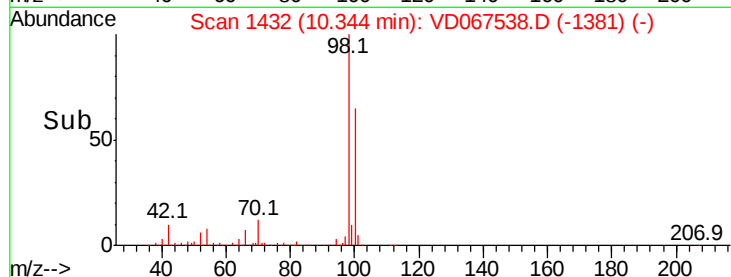
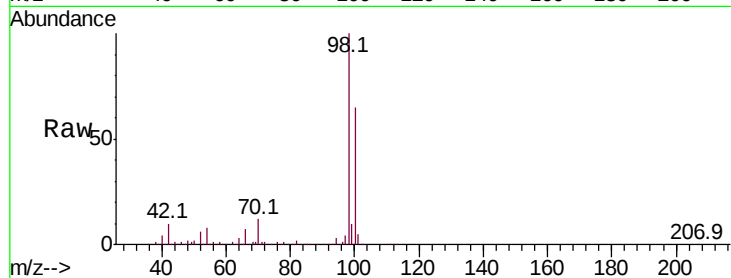




#50
Toluene-d8
Concen: 55.876 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067538.D
Acq: 05 Nov 2020 13:20

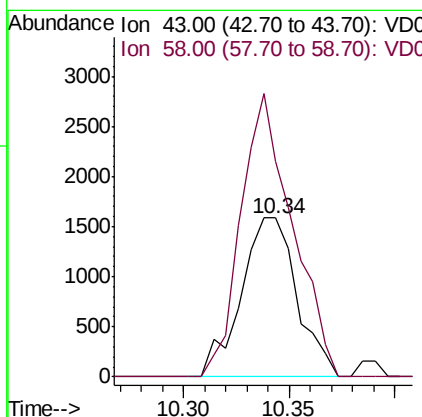
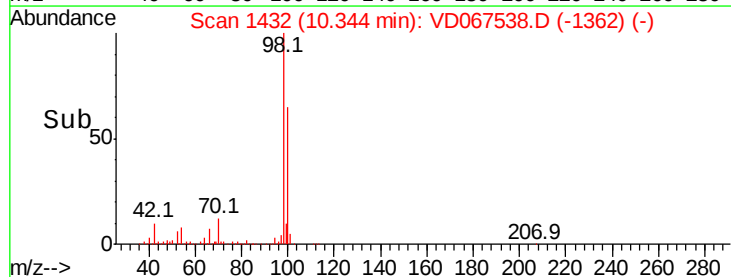
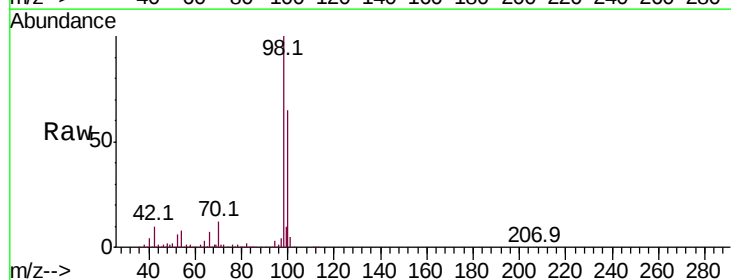
Instrument :
MSVOA_D
ClientSampleId :

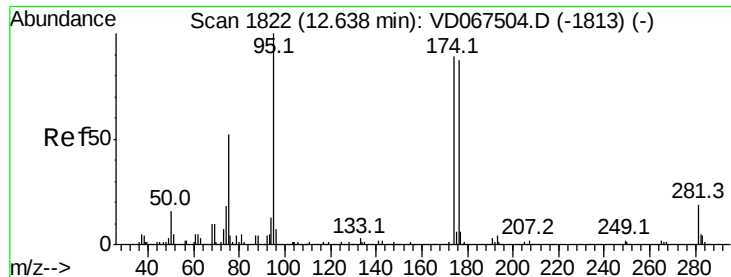
Tot Ion: 98 Resp: 594536
Ion Ratio Lower Upper
98 100
100 66.1 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 2.762 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.11 min
Lab File: VD067538.D
Acq: 05 Nov 2020 13:20

Tgt Ion: 43 Resp: 2917
Ion Ratio Lower Upper
43 100
58 164.0 35.6 53.4#

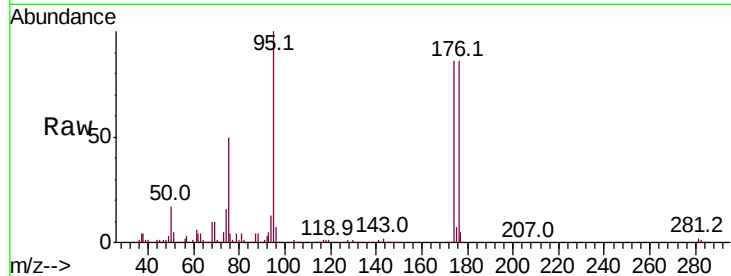




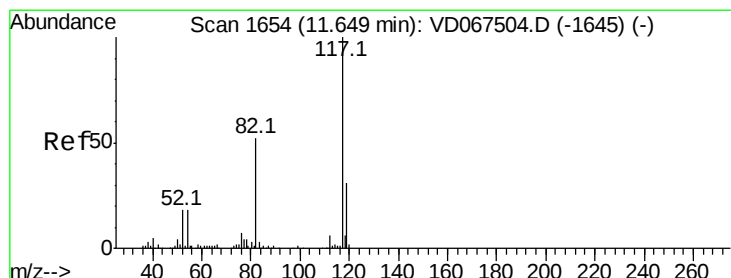
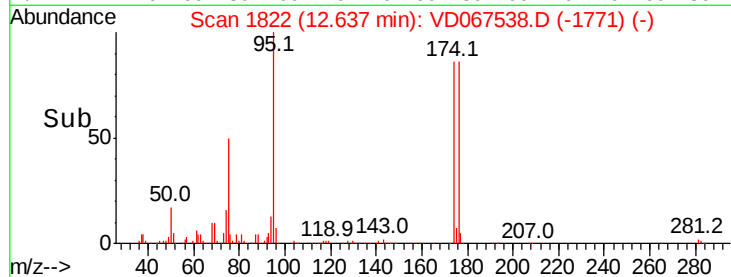
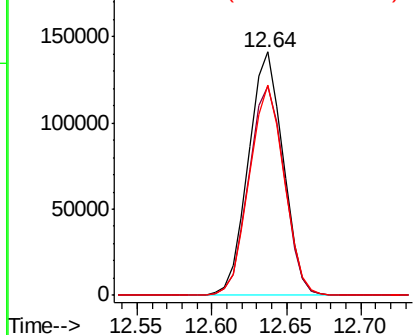
#62
4-Bromofluorobenzene
Concen: 61.748 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD067538.D
Acq: 05 Nov 2020 13:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 226833
Ion Ratio Lower Upper
95 100
174 88.0 0.0 177.8
176 86.7 0.0 172.0

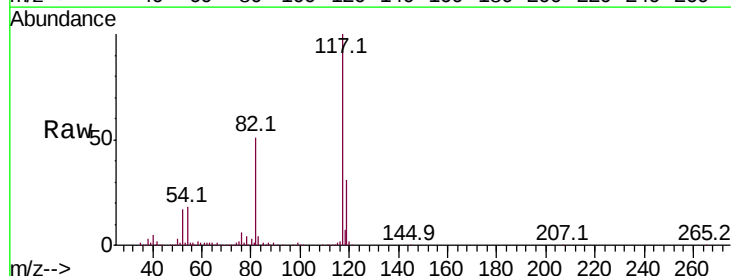


Abundance Ion 94.90 (94.60 to 95.60): V
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

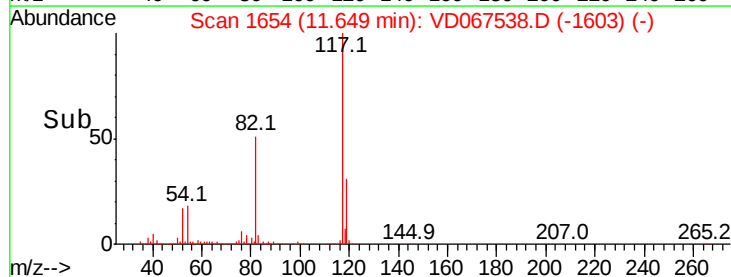
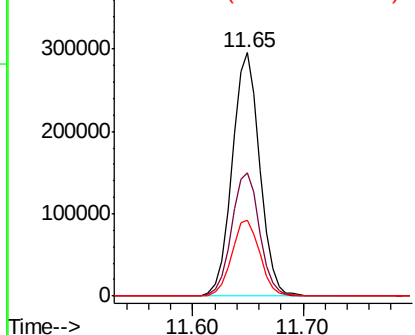


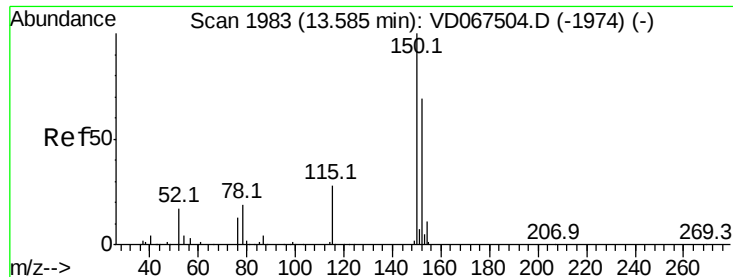
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067538.D
Acq: 05 Nov 2020 13:20

Tgt Ion: 117 Resp: 516130
Ion Ratio Lower Upper
117 100
82 50.6 41.6 62.4
119 31.2 25.1 37.7



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067538.D

Acq: 05 Nov 2020 13:20

Instrument :

MSVOA_D

ClientSampleId :

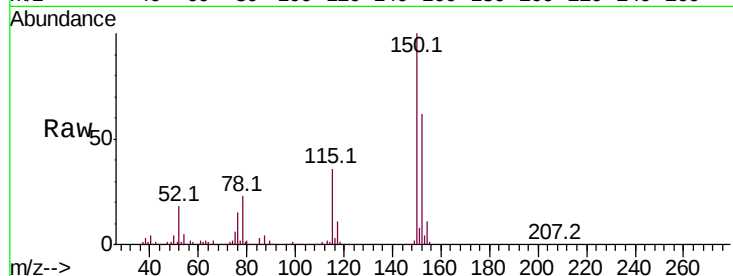
Tot Ion:152 Resp: 250986

Ion Ratio Lower Upper

152 100

115 59.7 29.3 88.0

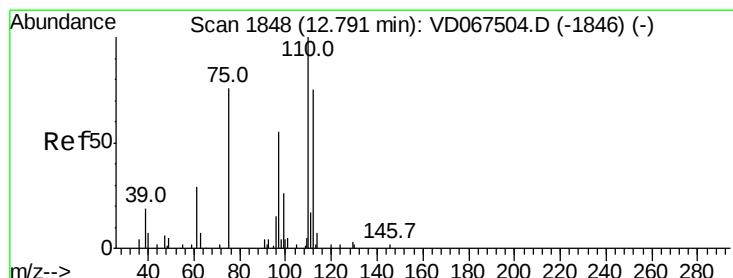
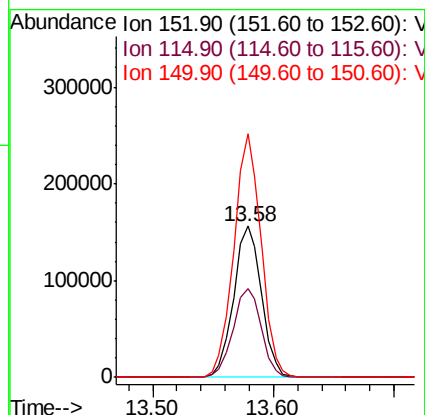
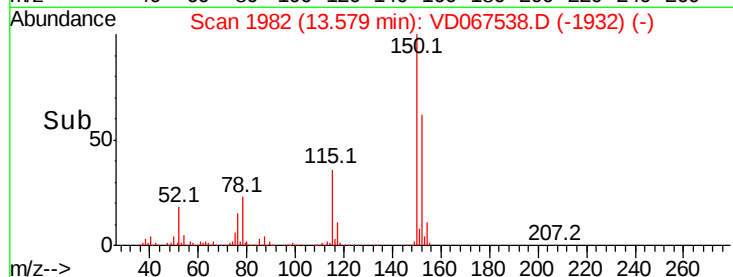
150 157.5 0.0 338.2



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: 76.248 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067538.D

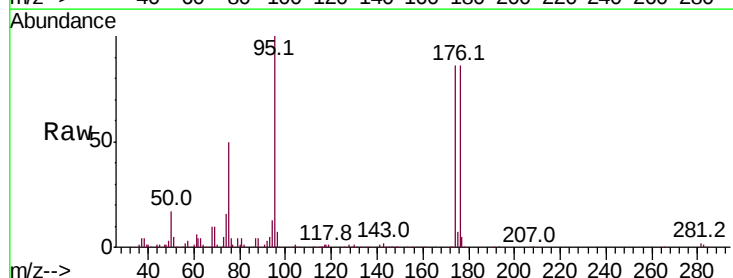
Acq: 05 Nov 2020 13:20

Tgt Ion: 75 Resp: 115446

Ion Ratio Lower Upper

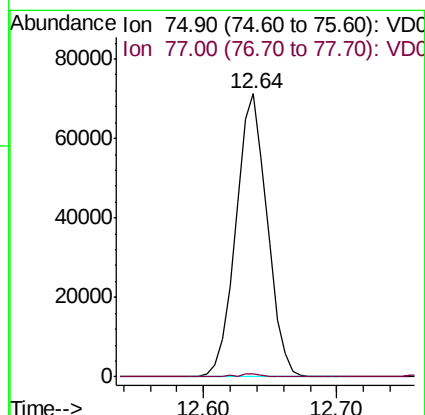
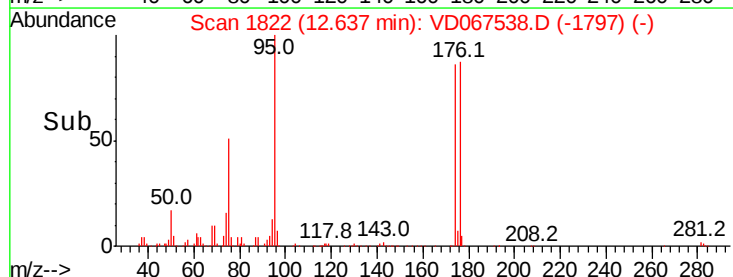
75 100

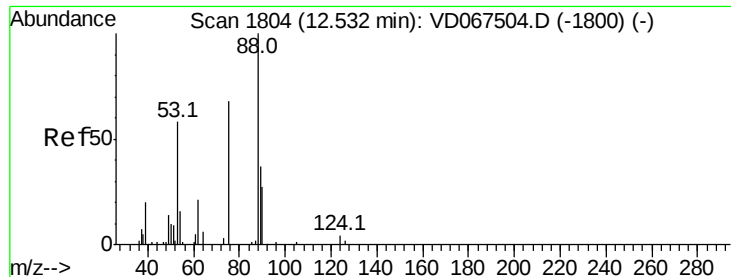
77 1.2 0.0 0.0#



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: 154.803 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067538.D

Acq: 05 Nov 2020 13:20

Instrument :

MSVOA_D

ClientSampleId :

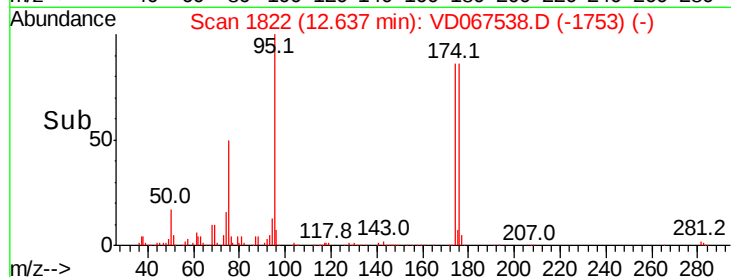
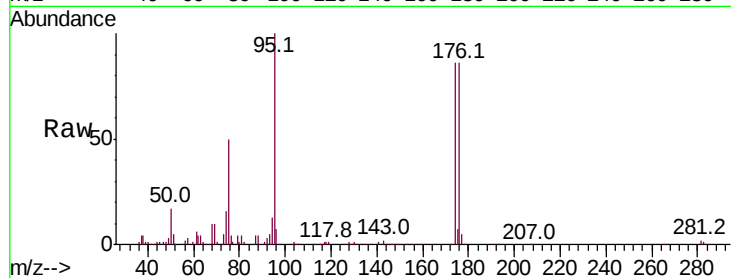
Tot Ion: 75 Resp: 115446

Ion Ratio Lower Upper

75 100

53 0.1 75.9 113.9#

89 0.0 44.6 67.0#



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

