

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110420\
 Data File : VD067510.D
 Acq On : 04 Nov 2020 10:30
 Operator : VA/SY
 Sample : VD1104SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1104SBL01

Quant Time: Nov 05 00:33:11 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	7.99	168	321952	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	524557	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	526239	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	259721	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	166429	59.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.24%	
35) Dibromofluoromethane	7.92	113	166579	52.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.42%	
50) Toluene-d8	10.34	98	626160	56.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.76%	
62) 4-Bromofluorobenzene	12.64	95	230156	60.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	120.04%	

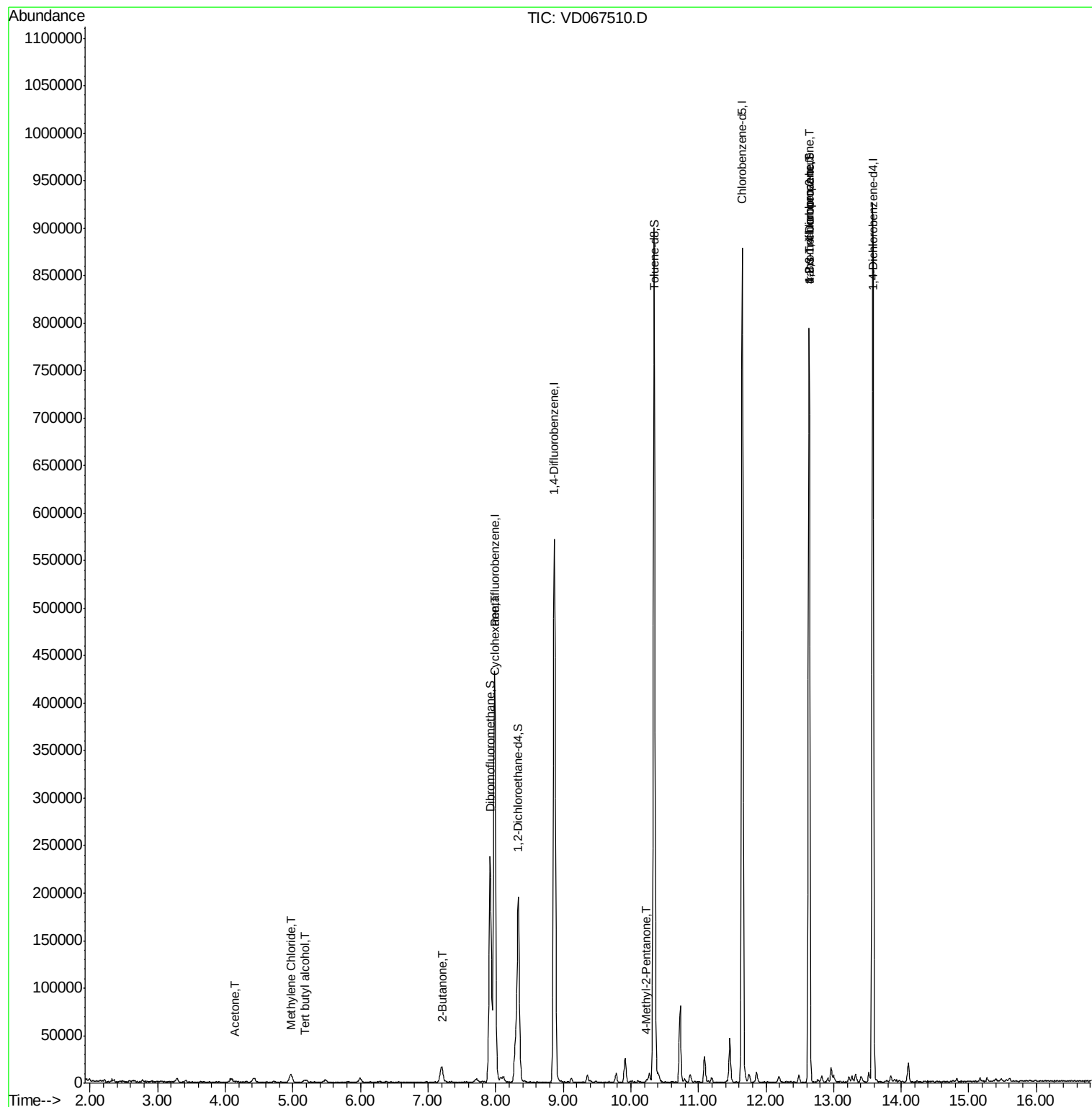
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	1717	Below Cal		92
11) Tert butyl alcohol	5.19	59	2574	1.107	ug/l #	79
16) Acetone	4.15	43	1011	2.400	ug/l #	43
20) Methylene Chloride	4.97	84	7053	2.370	ug/l #	92
25) 2-Butanone	7.21	43	560	1.244	ug/l #	42
31) Cyclohexane	8.00	56	8172	2.001	ug/l #	57
51) 4-Methyl-2-Pentanone	10.24	43	2400	2.177	ug/l	94
76) 1,2,3-Trichloropropane	12.64	75	119074	75.999	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	119074	154.298	ug/l #	10

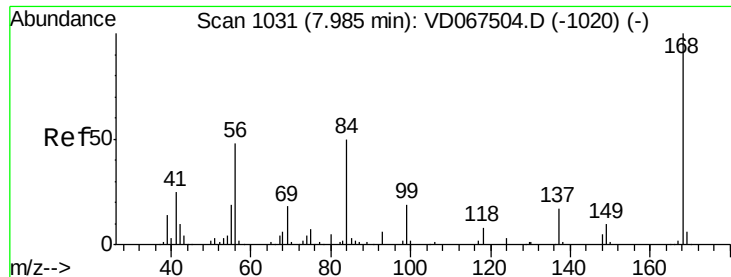
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 05 00:33:11 2020
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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: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067510.D

Acq: 04 Nov 2020 10:30

Instrument :

MSVOA_D

ClientSampleId :

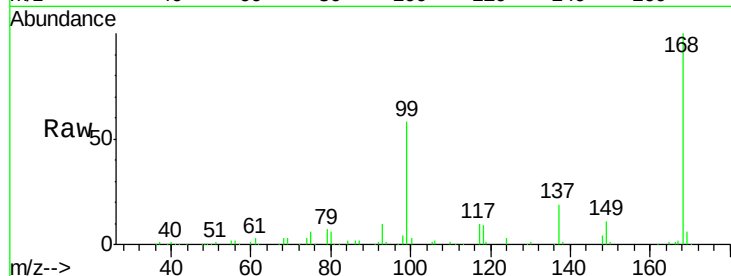
VD1104SBL01

Tot Ion:168 Resp: 321952

Ion Ratio Lower Upper

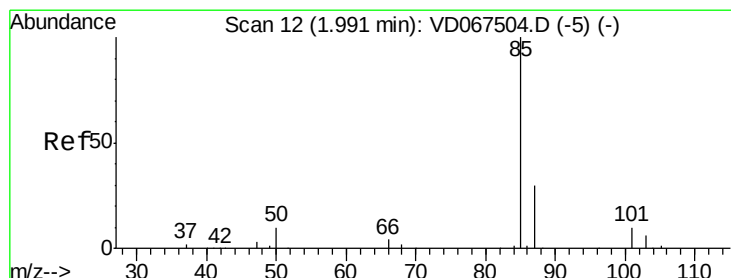
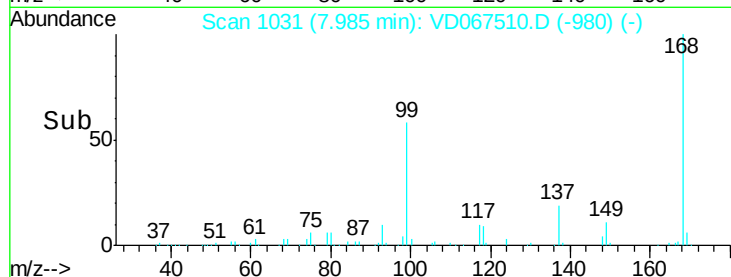
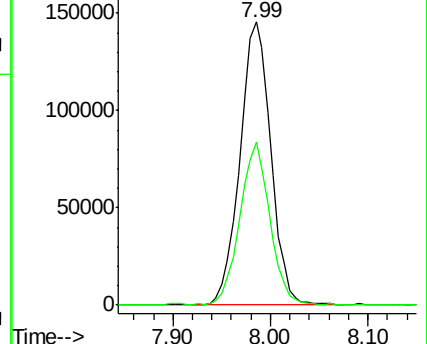
168 100

99 57.3 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: VD067510.D

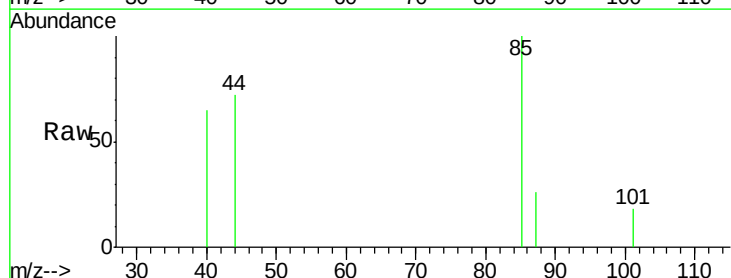
Acq: 04 Nov 2020 10:30

Tgt Ion: 85 Resp: 1717

Ion Ratio Lower Upper

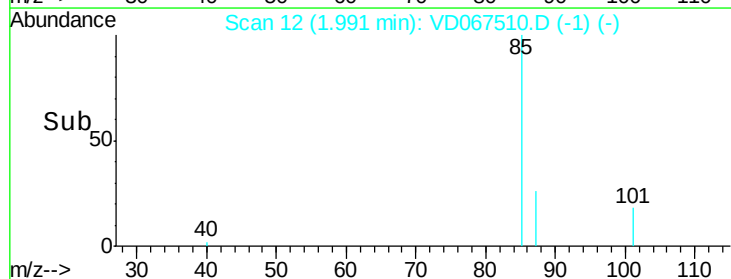
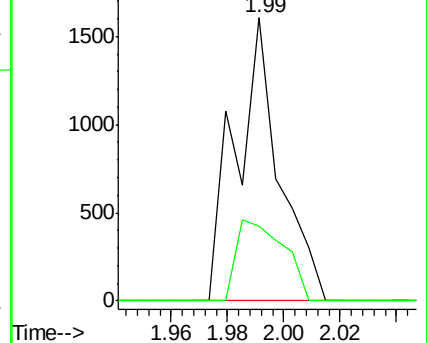
85 100

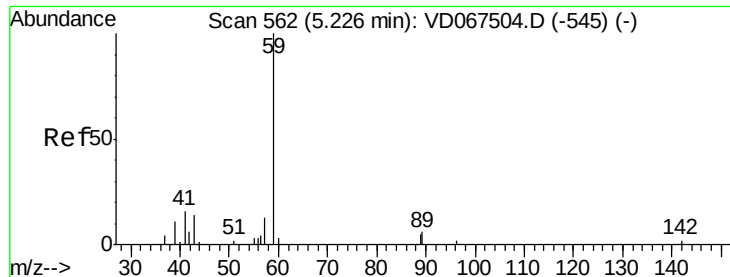
87 26.4 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

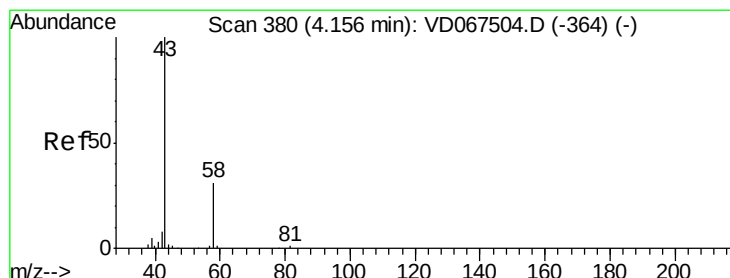
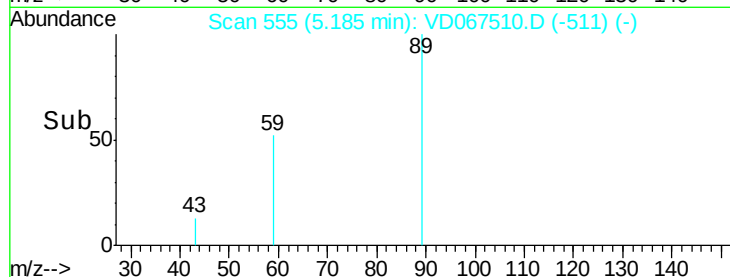
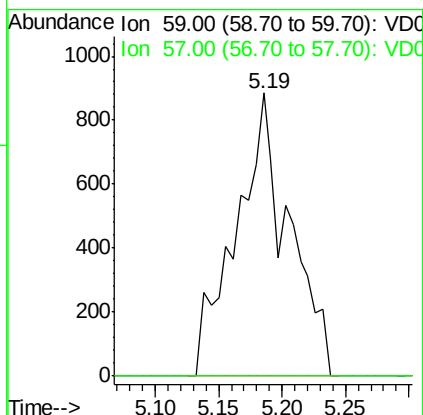
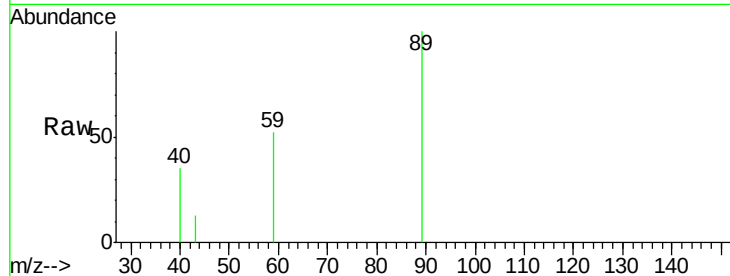




#11
Tert butyl alcohol
Concen: 1.107 ug/l
RT: 5.19 min Scan# 555
Delta R.T. -0.04 min
Lab File: VD067510.D
Acq: 04 Nov 2020 10:30

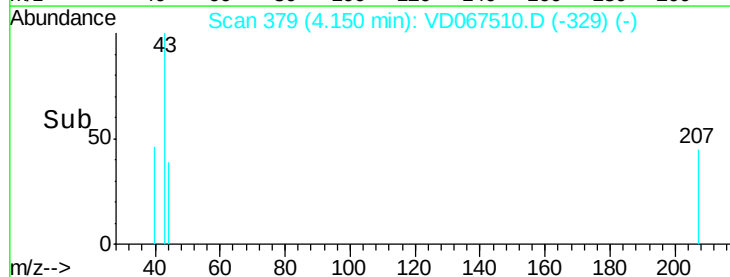
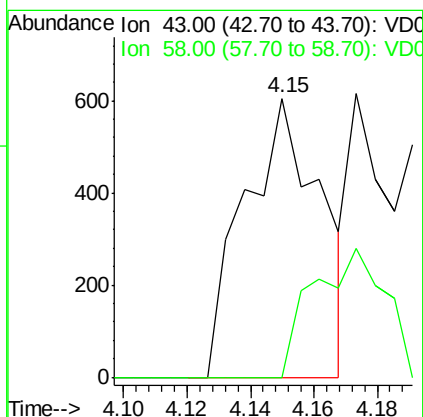
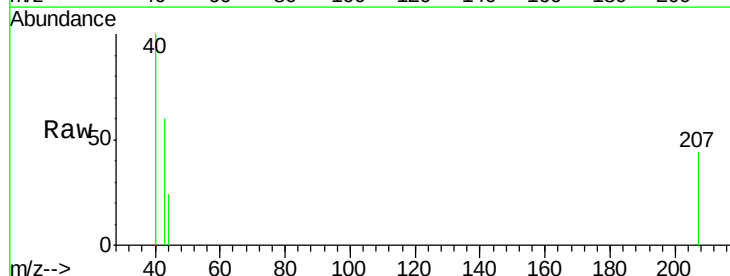
Instrument :
MSVOA_D
ClientSampleId :
VD1104SBL01

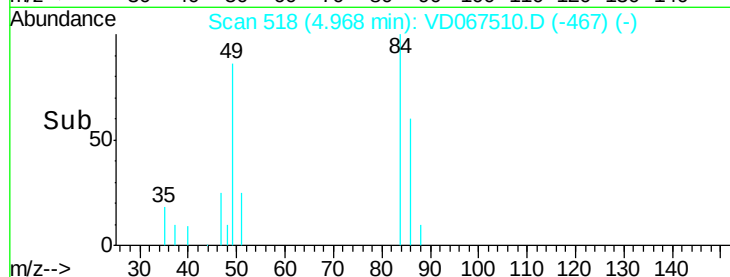
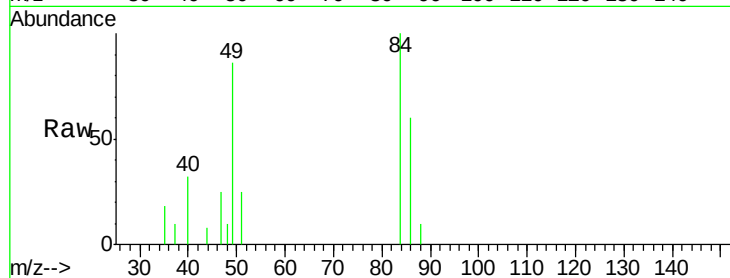
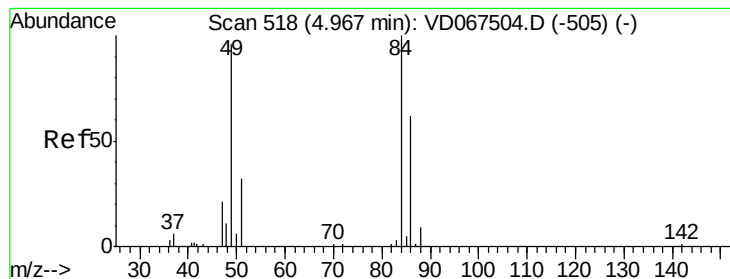
Tot Ion: 59 Resp: 2574
Ion Ratio Lower Upper
59 100
57 0.0 5.9 8.9#



#16
Acetone
Concen: 2.400 ug/l
RT: 4.15 min Scan# 379
Delta R.T. -0.01 min
Lab File: VD067510.D
Acq: 04 Nov 2020 10:30

Tgt Ion: 43 Resp: 1011
Ion Ratio Lower Upper
43 100
58 0.0 25.2 37.8#





#20

Methylene Chloride

Concen: 2.370 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD067510.D

Acq: 04 Nov 2020 10:30

Instrument :

MSVOA_D

ClientSampleId :

VD1104SBL01

Tot Ion: 84 Resp: 7053

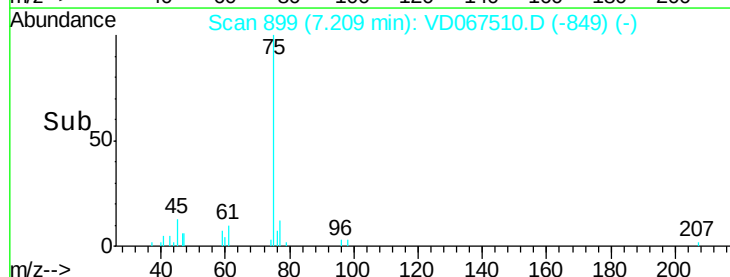
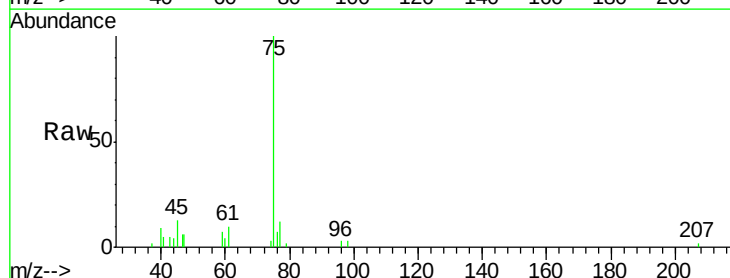
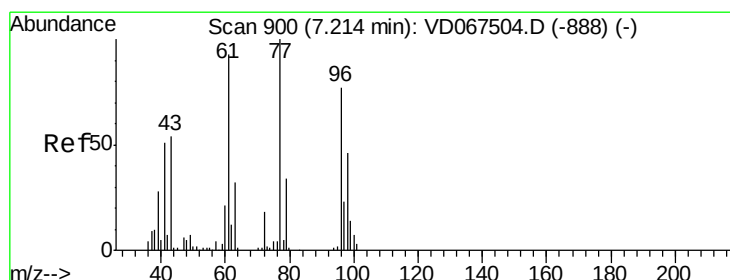
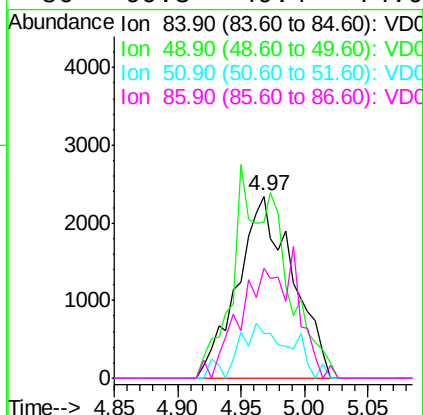
Ion Ratio Lower Upper

84 100

49 86.0 77.0 115.4

51 24.8 25.4 38.2#

86 60.3 49.4 74.0



#25

2-Butanone

Concen: 1.244 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067510.D

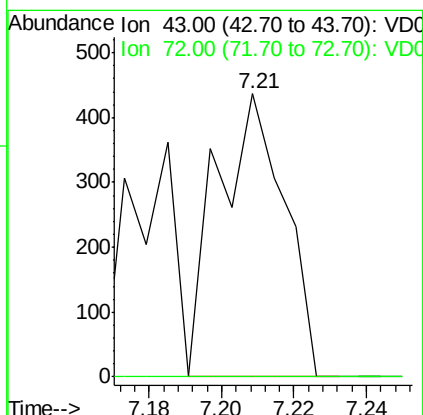
Acq: 04 Nov 2020 10:30

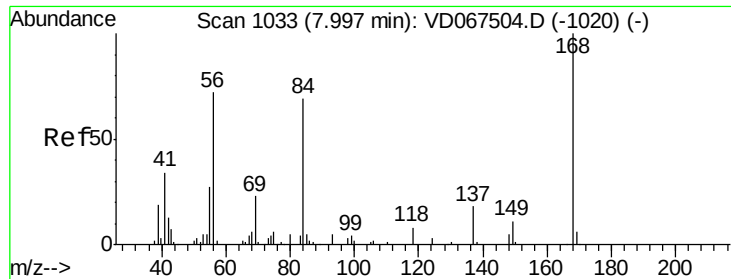
Tgt Ion: 43 Resp: 560

Ion Ratio Lower Upper

43 100

72 0.0 26.4 39.6#





#31

Cyclohexane

Concen: 2.001 ug/l

RT: 8.00 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VD067510.D

Acq: 04 Nov 2020 10:30

Instrument :

MSVOA_D

ClientSampleId :

VD1104SBL01

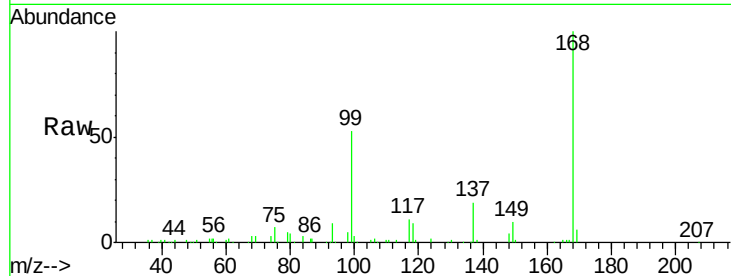
Tot Ion: 56 Resp: 8172

Ion Ratio Lower Upper

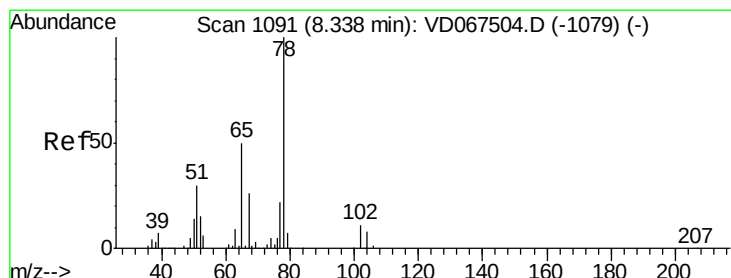
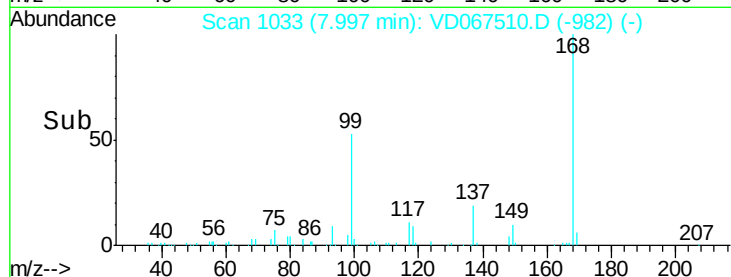
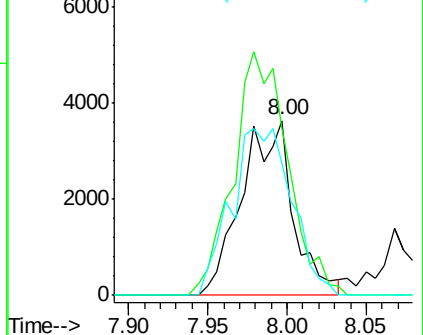
56 100

69 95.6 25.9 38.9#

84 76.0 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: 59.120 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD067510.D

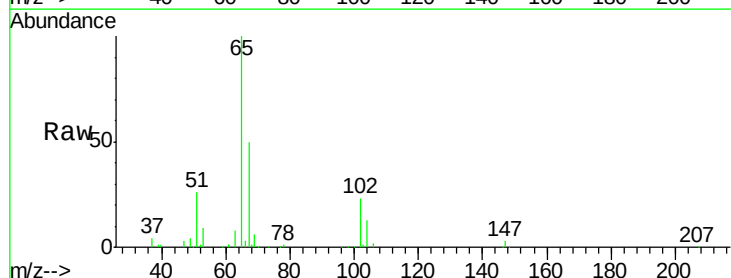
Acq: 04 Nov 2020 10:30

Tgt Ion: 65 Resp: 166429

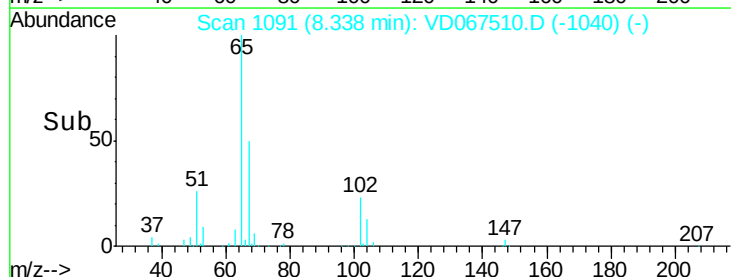
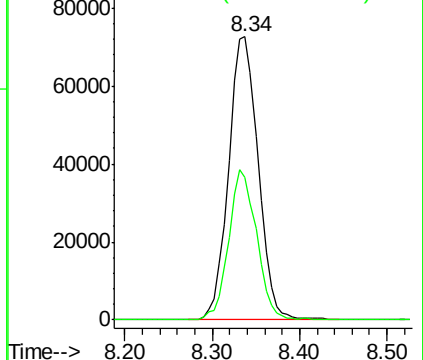
Ion Ratio Lower Upper

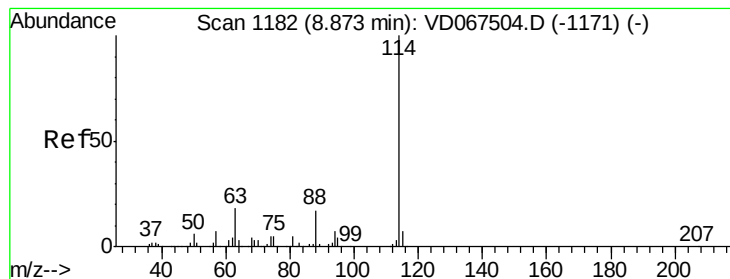
65 100

67 50.2 0.0 99.4



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: 8.87 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VD067510.D

Acq: 04 Nov 2020 10:30

Instrument :

MSVOA_D

ClientSampleId :

VD1104SBL01

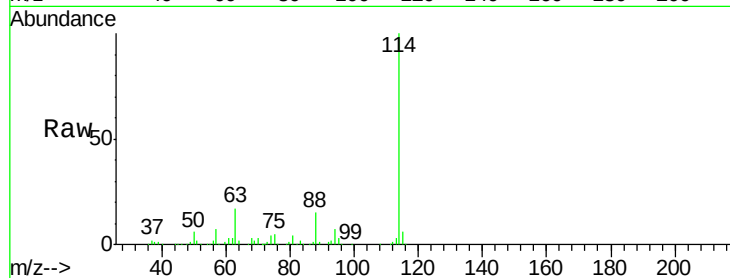
Tot Ion:114 Resp: 524557

Ion Ratio Lower Upper

114 100

63 17.1 0.0 35.0

88 14.9 0.0 33.0



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

300000

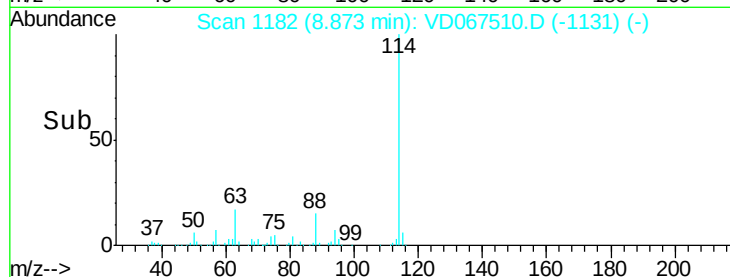
200000

100000

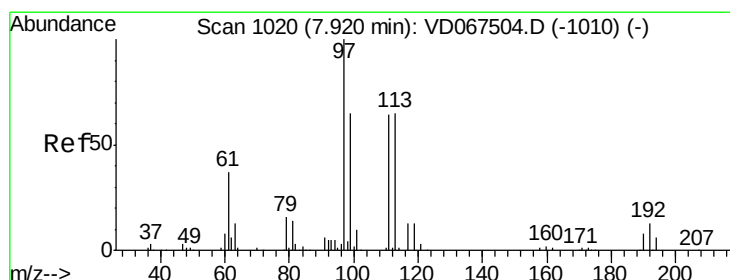
0

8.87

8.80 8.90 9.00



Time-->



#35

Dibromofluoromethane

Concen: 52.708 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD067510.D

Acq: 04 Nov 2020 10:30

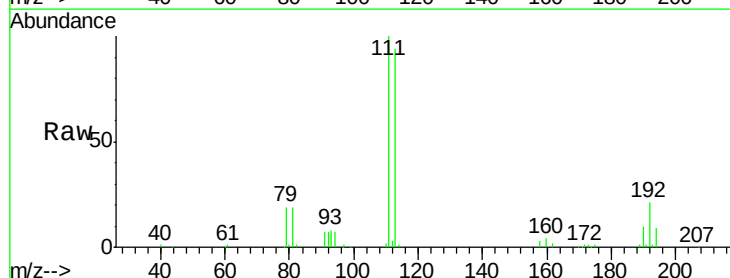
Tgt Ion:113 Resp: 166579

Ion Ratio Lower Upper

113 100

111 102.7 80.0 120.0

192 20.7 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

100000

80000

60000

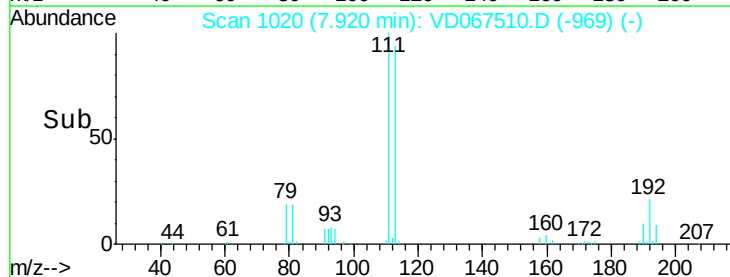
40000

20000

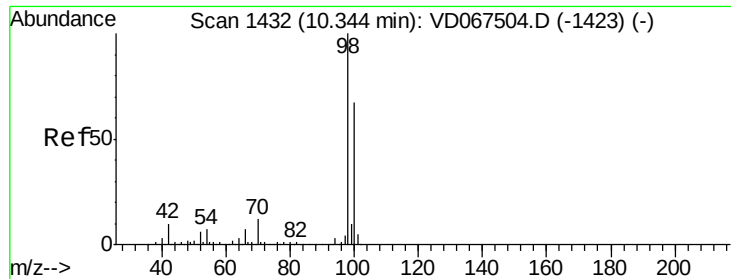
0

7.92

7.80 7.90 8.00



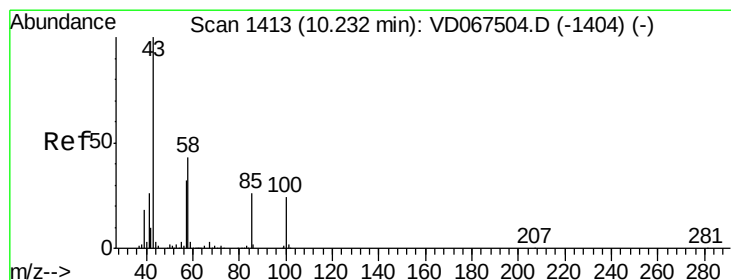
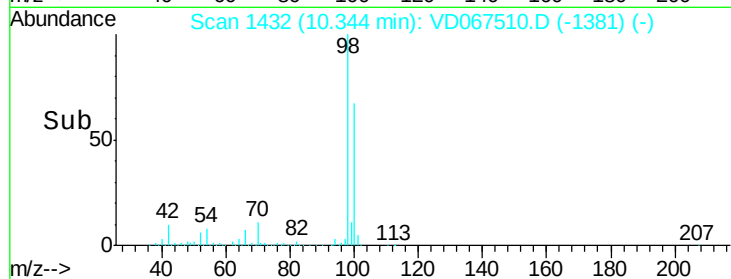
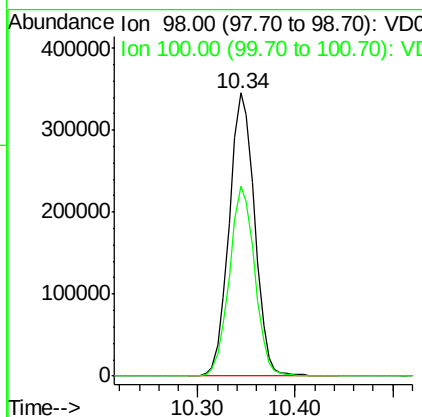
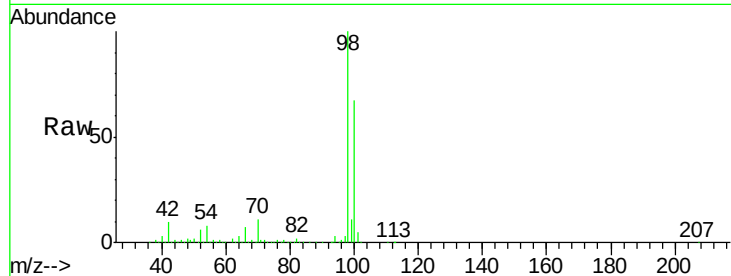
Time-->



#50
Toluene-d8
Concen: 56.378 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067510.D
Acq: 04 Nov 2020 10:30

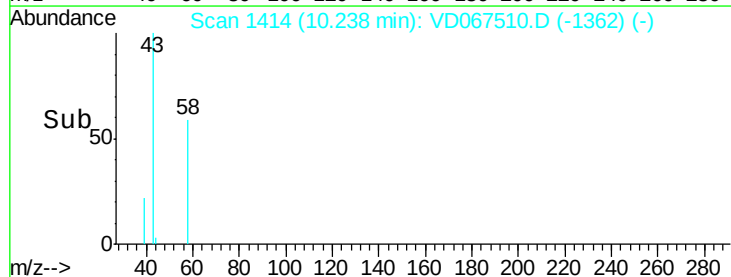
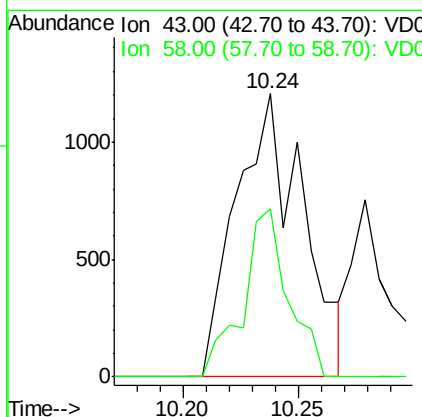
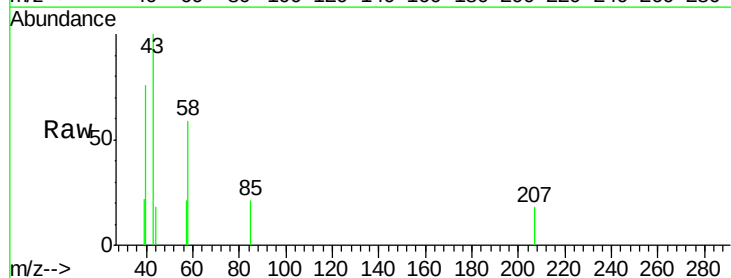
Instrument :
MSVOA_D
ClientSampleId :
VD1104SBL01

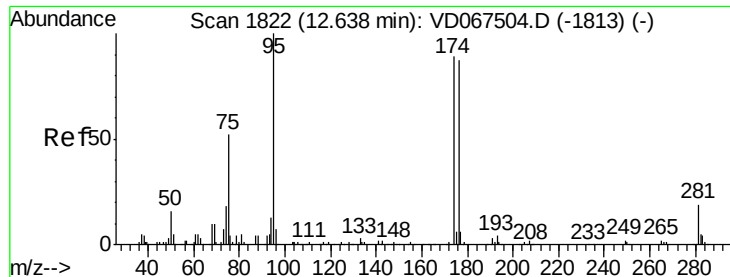
Tot Ion: 98 Resp: 626160
Ion Ratio Lower Upper
98 100
100 66.8 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 2.177 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.01 min
Lab File: VD067510.D
Acq: 04 Nov 2020 10:30

Tgt Ion: 43 Resp: 2400
Ion Ratio Lower Upper
43 100
58 40.8 35.6 53.4

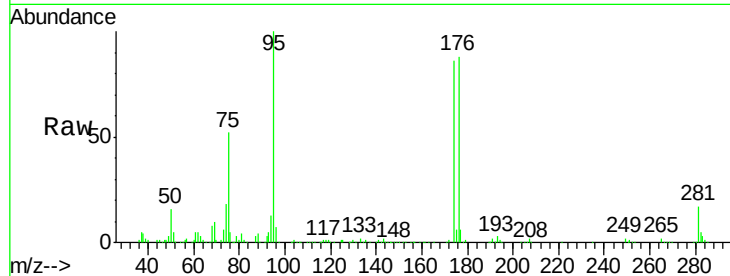




#62
4-Bromofluorobenzene
Concen: 60.023 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067510.D
Acq: 04 Nov 2020 10:30

Instrument :
MSVOA_D
ClientSampleId :
VD1104SBL01

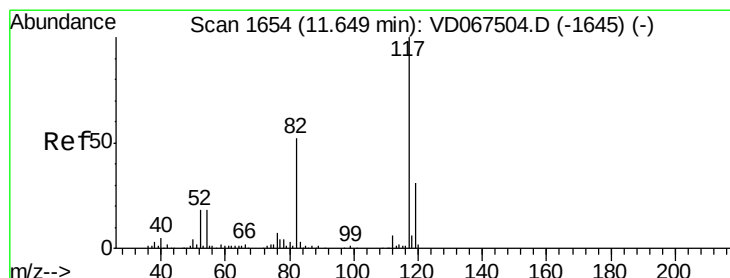
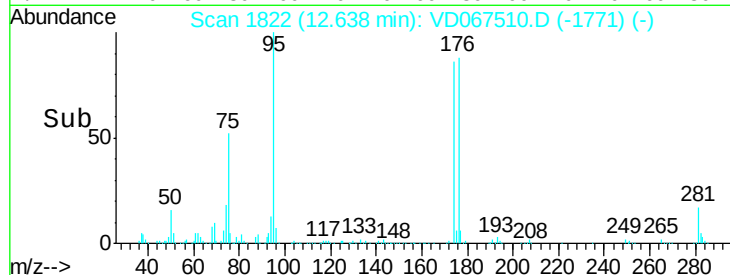
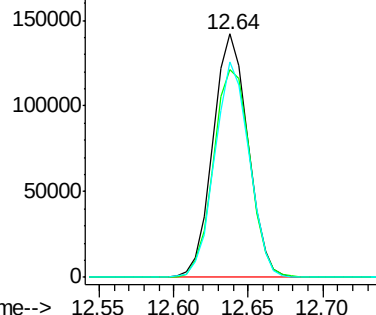
Tot Ion	Ratio	Lower	Upper
95	100		
174	89.6	0.0	177.8
176	87.3	0.0	172.0



Abundance Ion 94.90 (94.60 to 95.60): V

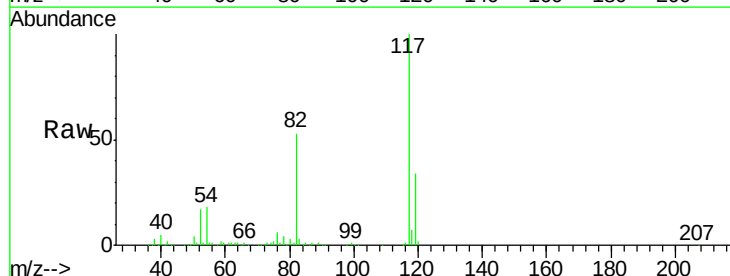
Ion 173.80 (173.50 to 174.50): V

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: VD067510.D
Acq: 04 Nov 2020 10:30

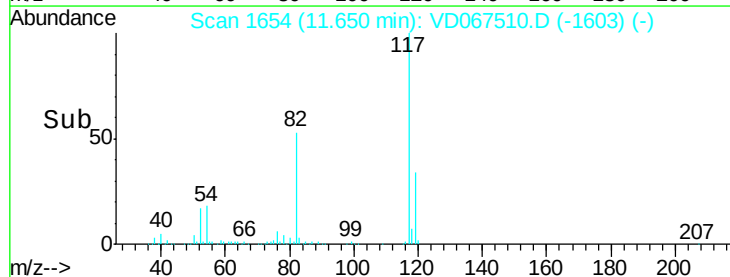
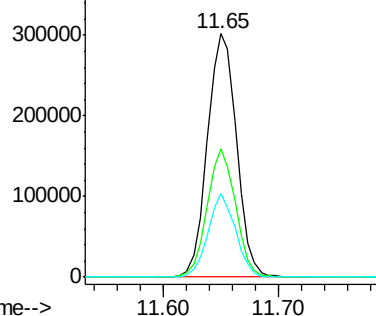
Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.6	41.6	62.4
119	34.2	25.1	37.7

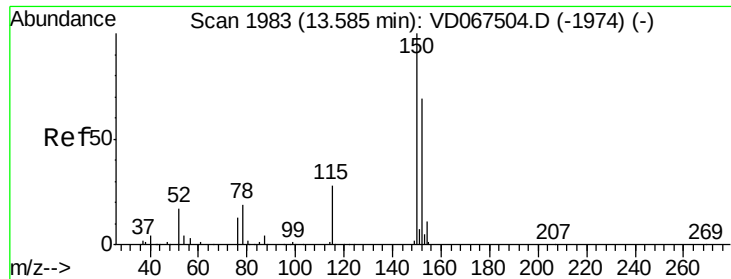


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



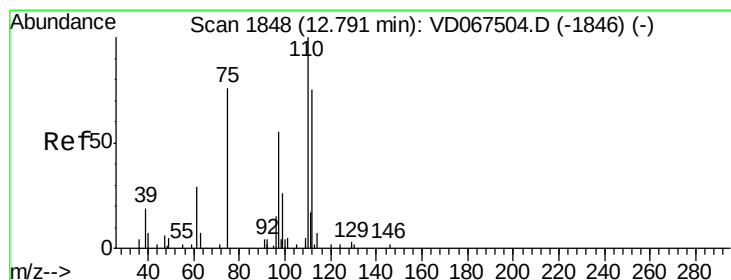
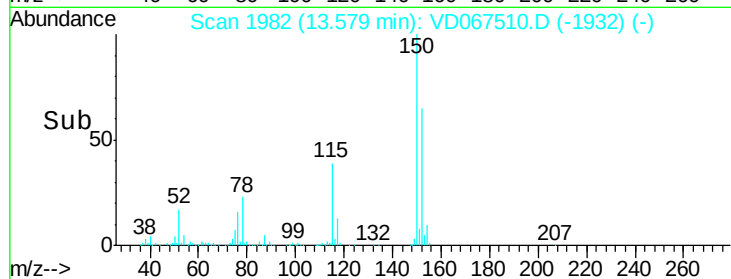
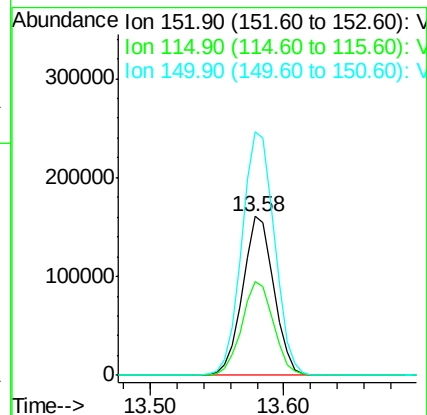
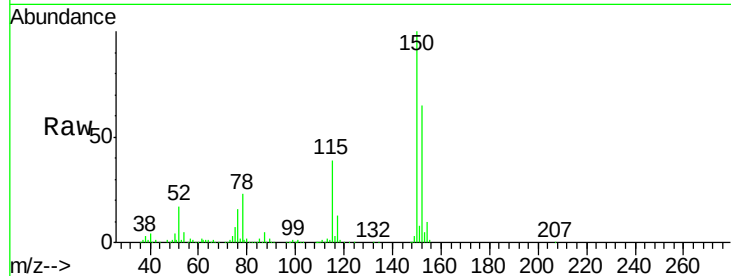


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067510.D
Acq: 04 Nov 2020 10:30

Instrument :
MSVOA_D
ClientSampleId :
VD1104SBL01

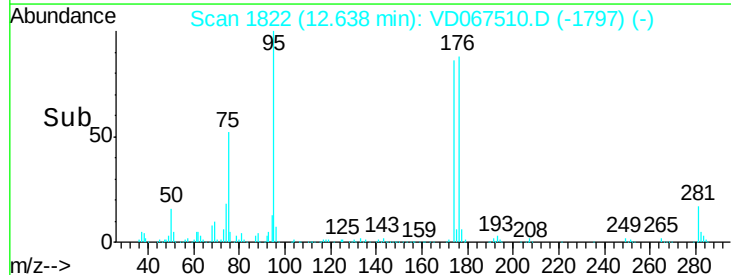
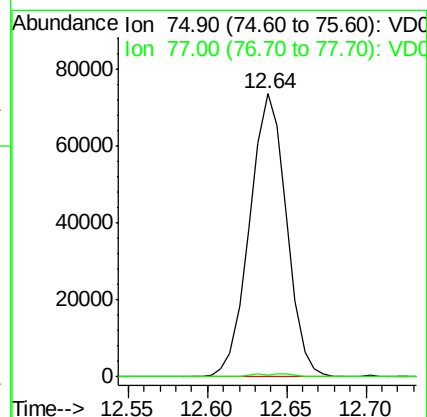
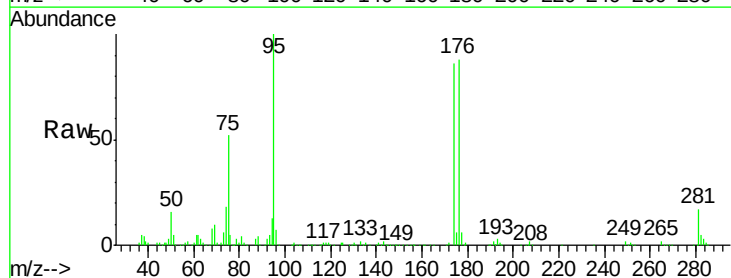
Tot Ion	Ratio	Lower	Upper
152	100		
115	59.9	29.3	88.0
150	159.9	0.0	338.2

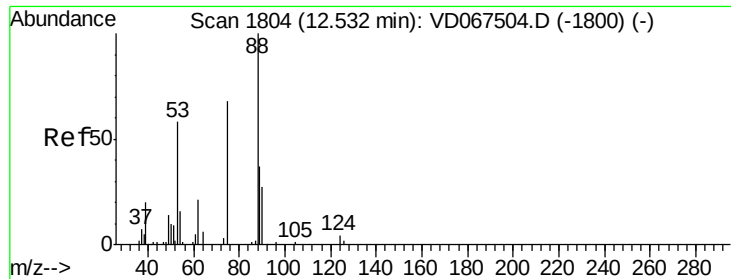


#76

1,2,3-Trichloropropane
Concen: 75.999 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD067510.D
Acq: 04 Nov 2020 10:30

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.1	0.0	0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 154.298 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067510.D

Acq: 04 Nov 2020 10:30

Instrument :

MSVOA_D

ClientSampleId :

VD1104SBL01

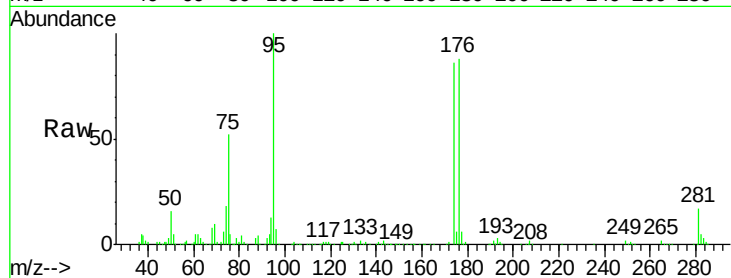
Tot Ion: 75 Resp: 119074

Ion Ratio Lower Upper

75 100

53 0.1 75.9 113.9#

89 0.3 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

