

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112020\
 Data File : VD067722.D
 Acq On : 20 Nov 2020 14:03
 Operator : VA/SY
 Sample : L4809-03
 Misc : 5.04G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 21 00:39:08 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	271567	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	420180	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	442296	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	235473	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	118144	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	
35) Dibromofluoromethane	7.91	113	102373	40.44	ug/l	0.00
Spiked Amount			Recovery	=	80.88%	
50) Toluene-d8	10.34	98	490522	55.14	ug/l	0.00
Spiked Amount			Recovery	=	110.28%	
62) 4-Bromofluorobenzene	12.64	95	200631	65.32	ug/l	0.00
Spiked Amount			Recovery	=	130.64%	

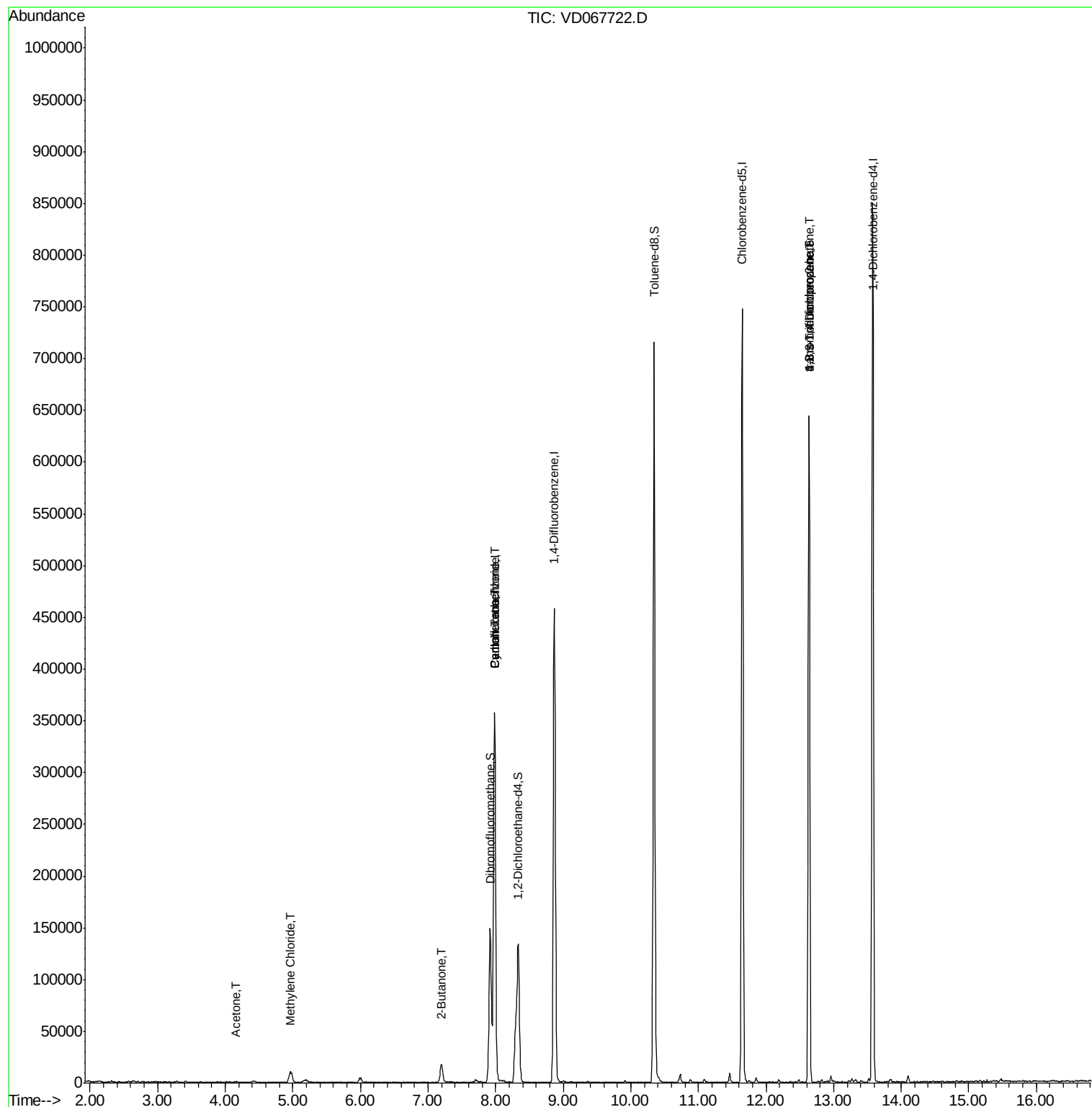
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	594	Below Cal		93
11) Tert butyl alcohol	5.23	59	226	Below Cal	#	79
16) Acetone	4.16	43	1448	4.075	ug/l #	43
20) Methylene Chloride	4.97	84	10300	4.103	ug/l	91
25) 2-Butanone	7.20	43	404	1.064	ug/l #	42
31) Cyclohexane	7.99	56	5399	1.568	ug/l #	1
38) Carbon Tetrachloride	7.99	117	28354	6.068	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	104388	73.486	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	104388	149.197	ug/l #	10

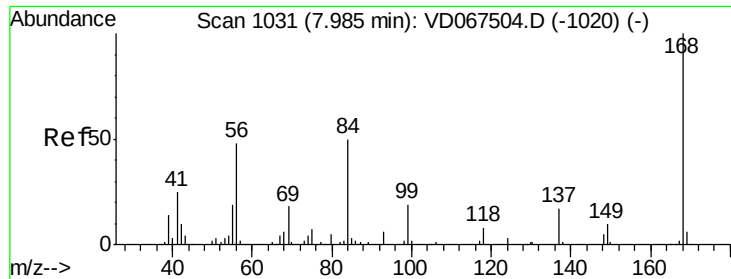
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112020\
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Quant Time: Nov 21 00:39:08 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: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067722.D

Acq: 20 Nov 2020 14:03

Instrument :

MSVOA_D

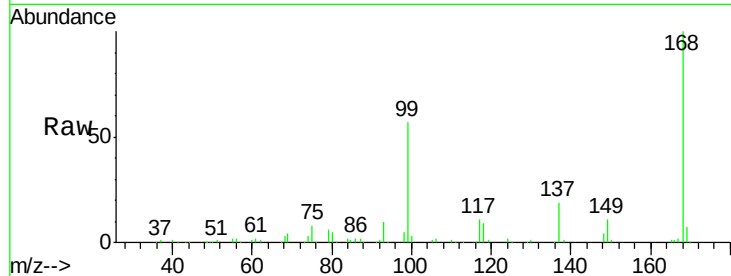
ClientSampleId :

Tot Ion:168 Resp: 271567

Ion Ratio Lower Upper

168 100

99 57.2 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

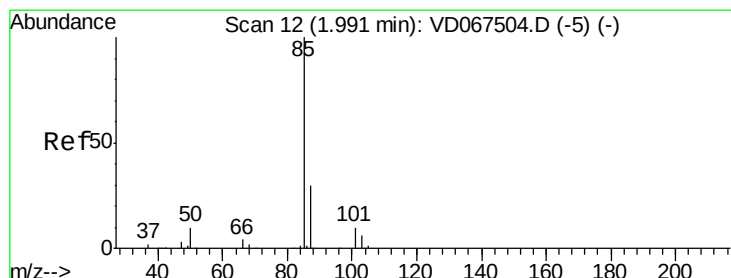
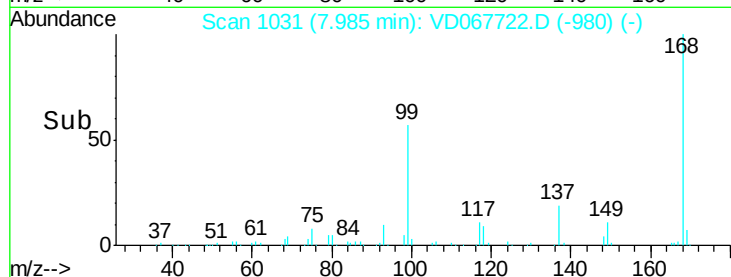
7.99

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067722.D

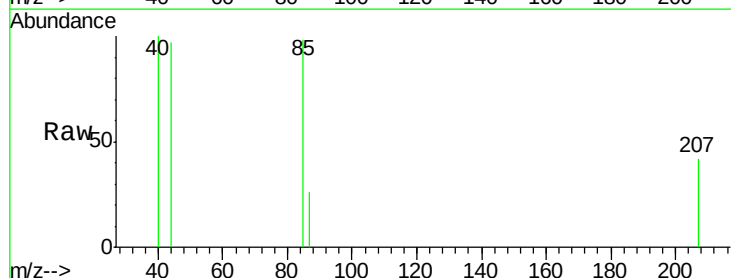
Acq: 20 Nov 2020 14:03

Tgt Ion: 85 Resp: 594

Ion Ratio Lower Upper

85 100

87 26.9 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

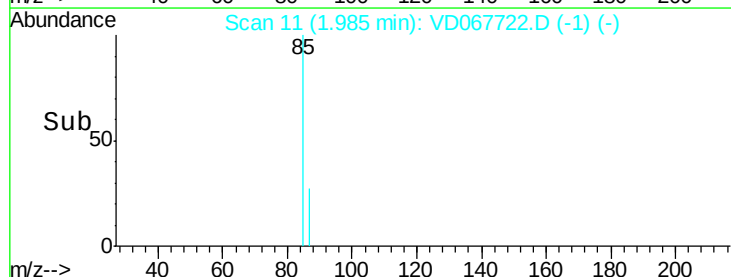
600

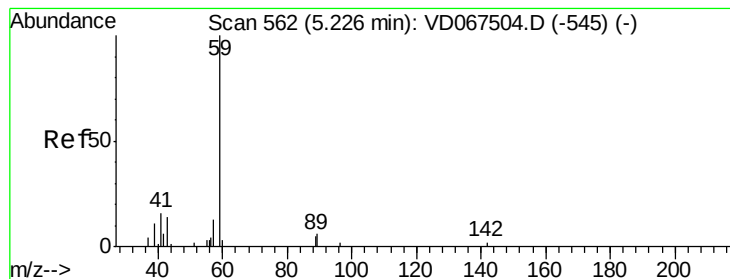
400

200

0

Time-->



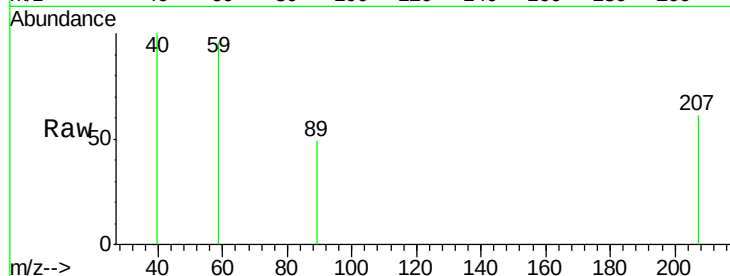


#11

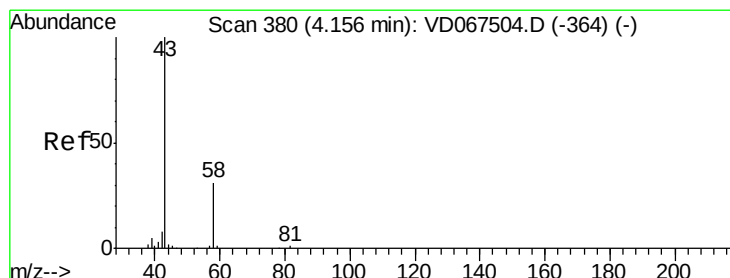
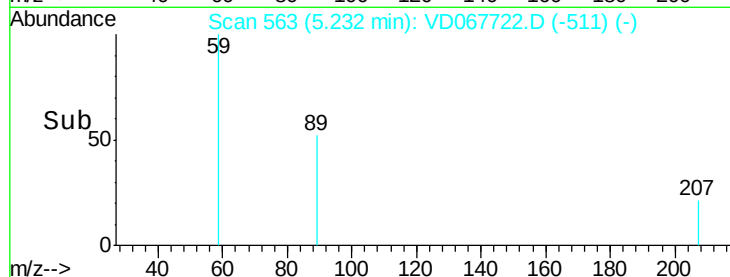
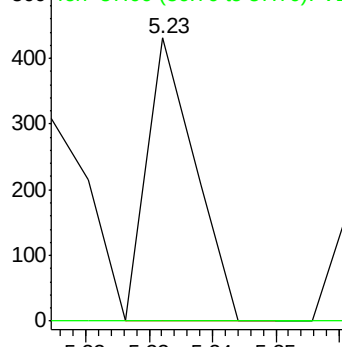
Tert butyl alcohol
Concen: Below Cal
RT: 5.23 min Scan# 563
Delta R.T. 0.01 min
Lab File: VD067722.D
Acq: 20 Nov 2020 14:03

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 59 Resp: 226
Ion Ratio Lower Upper
59 100
57 0.0 5.9 8.9#



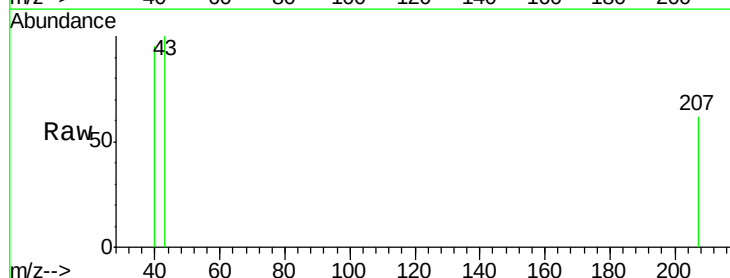
Abundance Ion 59.00 (58.70 to 59.70): VDC
Ion 57.00 (56.70 to 57.70): VDC



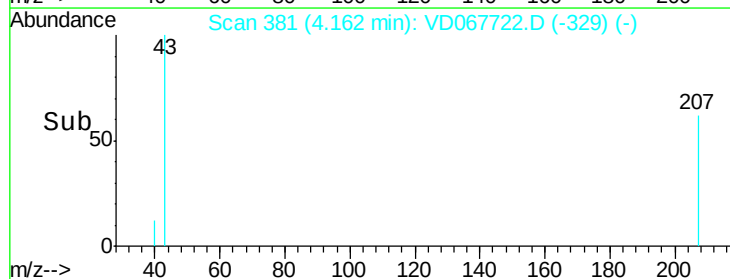
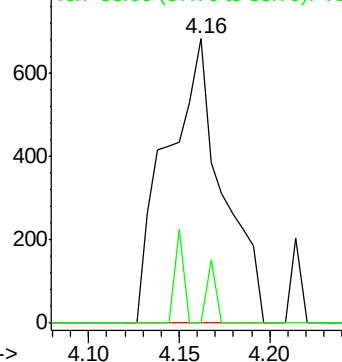
#16

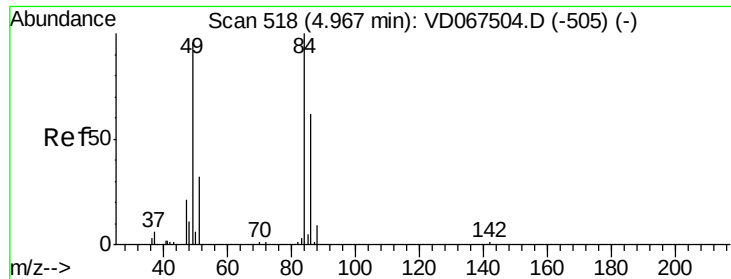
Acetone
Concen: 4.075 ug/l
RT: 4.16 min Scan# 381
Delta R.T. 0.01 min
Lab File: VD067722.D
Acq: 20 Nov 2020 14:03

Tgt Ion: 43 Resp: 1448
Ion Ratio Lower Upper
43 100
58 0.0 25.2 37.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

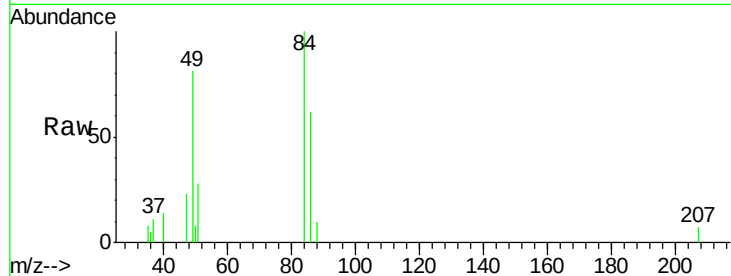




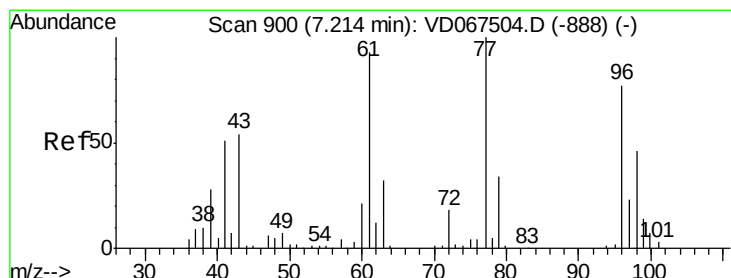
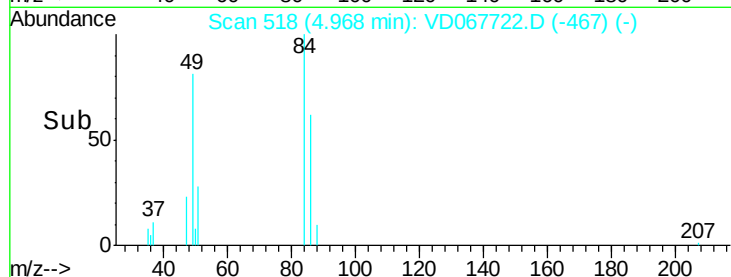
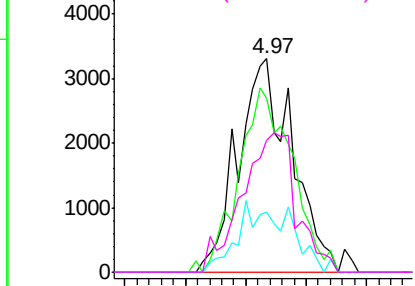
#20
Methvlene Chloride
Concen: 4.103 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD067722.D
Acq: 20 Nov 2020 14:03

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	84	Resp:	10300
Ion	Ratio	Lower	Upper
84	100		
49	81.3	77.0	115.4
51	28.0	25.4	38.2
86	61.5	49.4	74.0

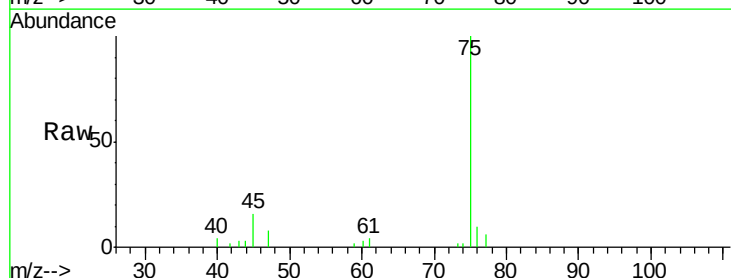


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

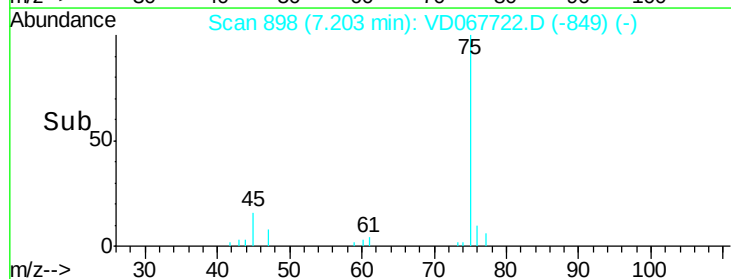
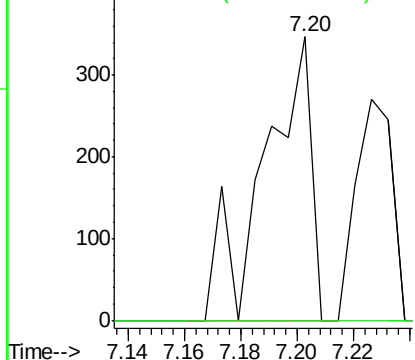


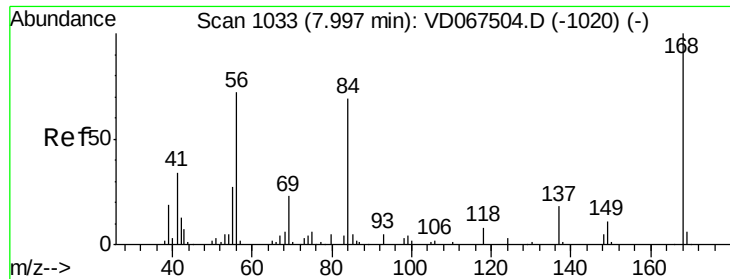
#25
2-Butanone
Concen: 1.064 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD067722.D
Acq: 20 Nov 2020 14:03

Tgt Ion:	43	Resp:	404
Ion	Ratio	Lower	Upper
43	100		
72	0.0	26.4	39.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC

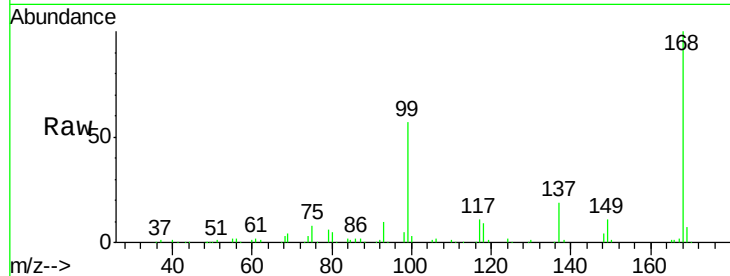




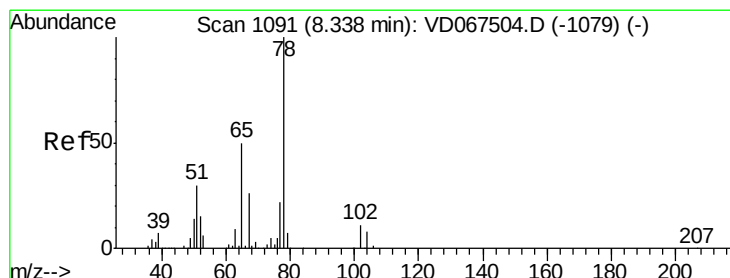
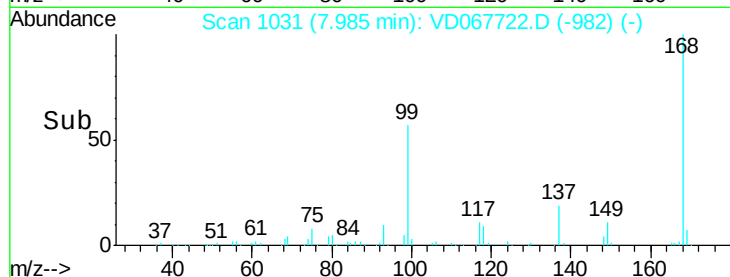
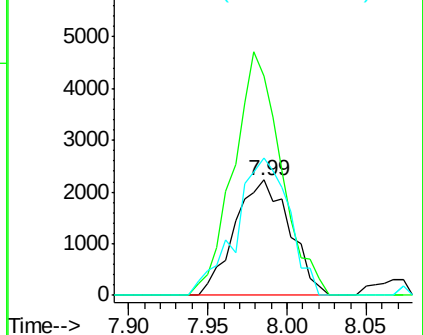
#31
Cyclohexane
Concen: 1.568 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067722.D
Acq: 20 Nov 2020 14:03

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 5399
Ion Ratio Lower Upper
56 100
69 189.9 25.9 38.9#
84 146.8 76.2 114.4#

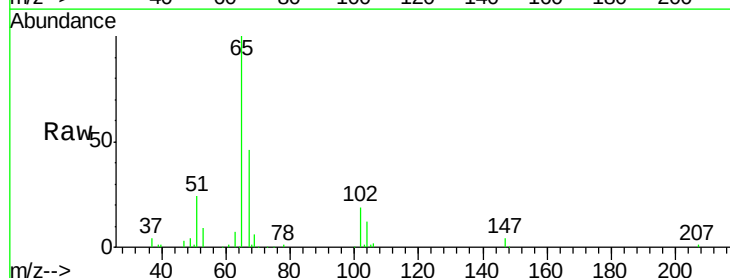


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

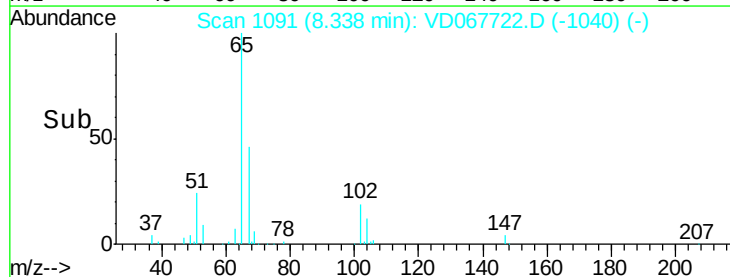
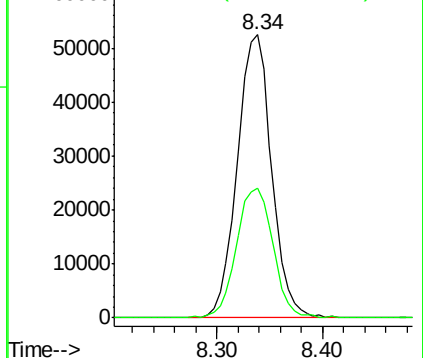


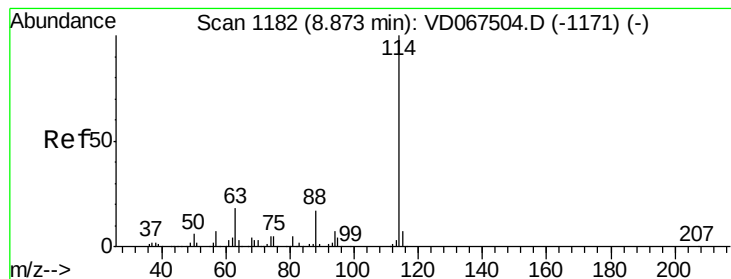
#33
1,2-Dichloroethane-d4
Concen: 49.754 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD067722.D
Acq: 20 Nov 2020 14:03

Tgt Ion: 65 Resp: 118144
Ion Ratio Lower Upper
65 100
67 48.9 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# 1181

Delta R.T. -0.01 min

Lab File: VD067722.D

Acq: 20 Nov 2020 14:03

Instrument :

MSVOA_D

ClientSampleId :

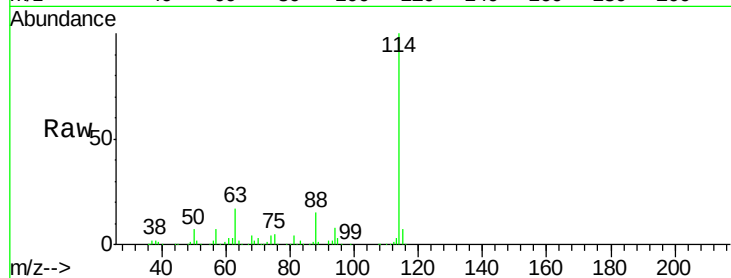
Tot Ion:114 Resp: 420180

Ion Ratio Lower Upper

114 100

63 16.6 0.0 35.0

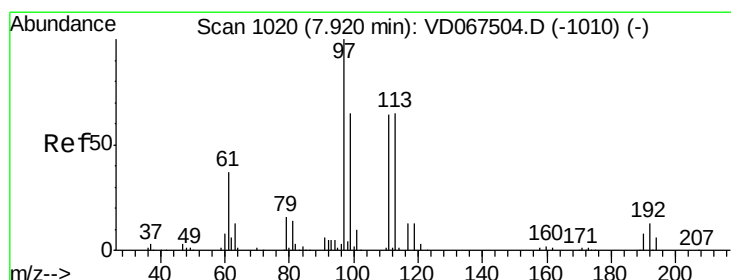
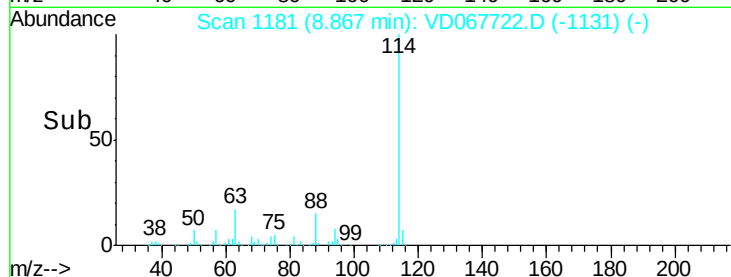
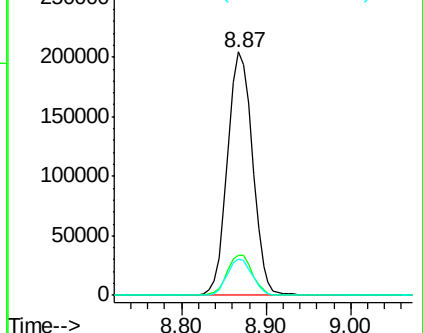
88 15.0 0.0 33.0



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



#35

Dibromofluoromethane

Concen: 40.438 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD067722.D

Acq: 20 Nov 2020 14:03

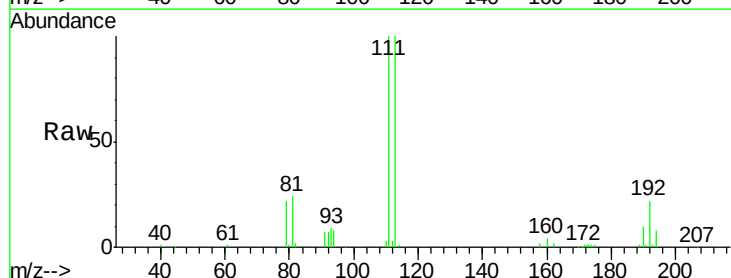
Tgt Ion:113 Resp: 102373

Ion Ratio Lower Upper

113 100

111 102.8 80.0 120.0

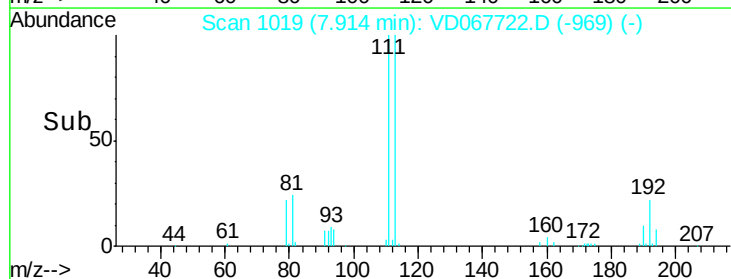
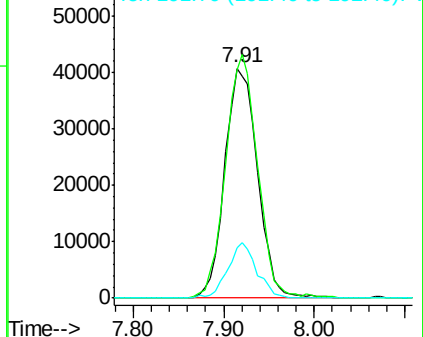
192 21.4 16.3 24.5

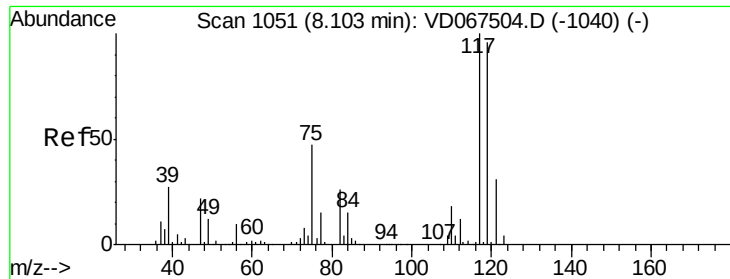


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

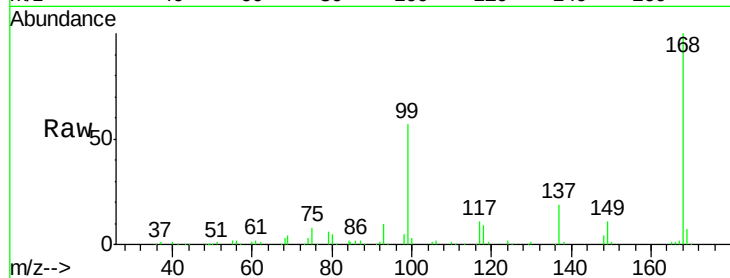




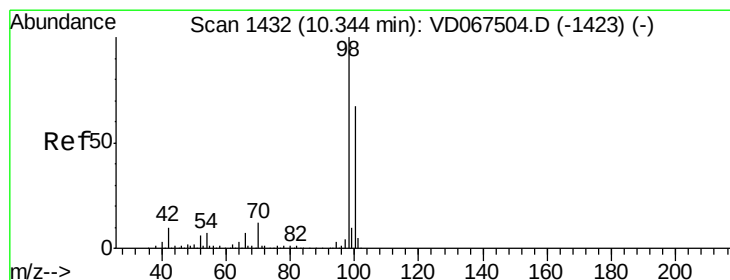
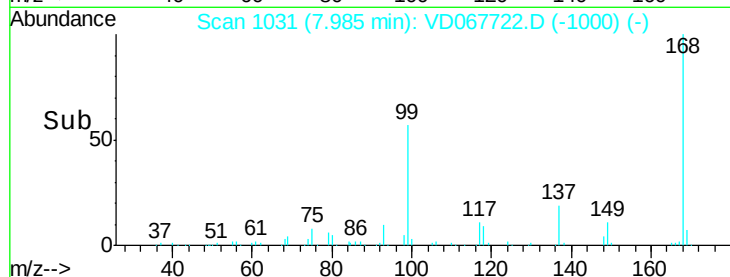
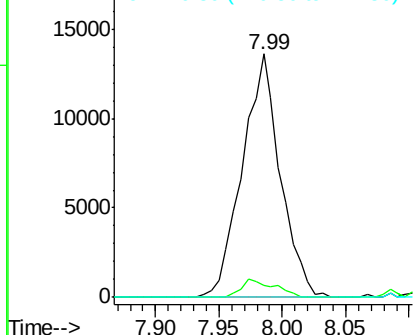
#38
Carbon Tetrachloride
Concen: 6.068 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VD067722.D
Acq: 20 Nov 2020 14:03

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 28354
Ion Ratio Lower Upper
117 100
119 4.9 76.9 115.3#
121 0.0 24.5 36.7#

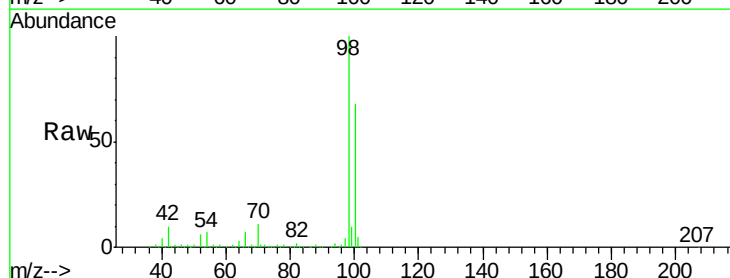


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

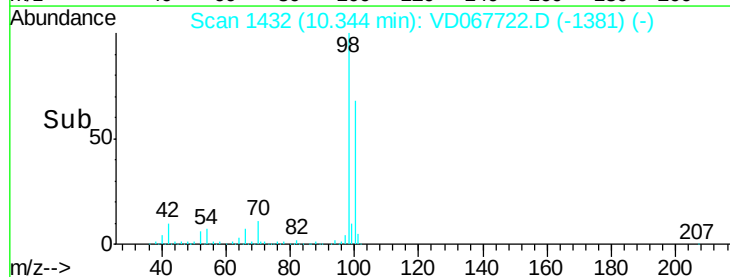
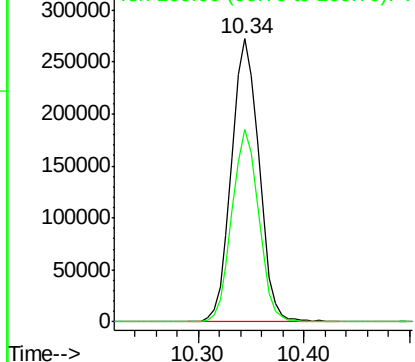


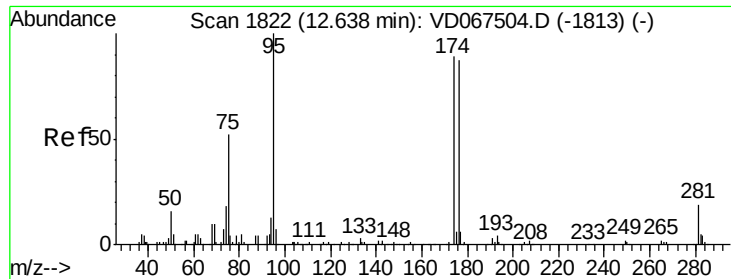
#50
Toluene-d8
Concen: 55.136 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067722.D
Acq: 20 Nov 2020 14:03

Tgt Ion: 98 Resp: 490522
Ion Ratio Lower Upper
98 100
100 65.9 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

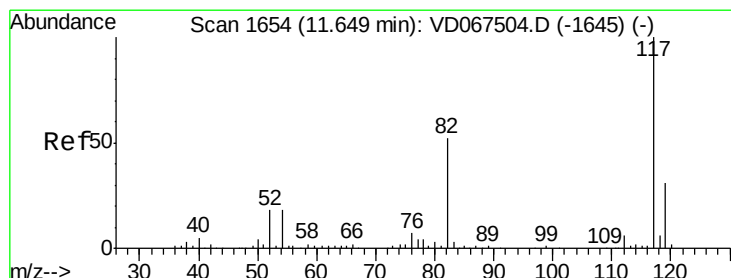
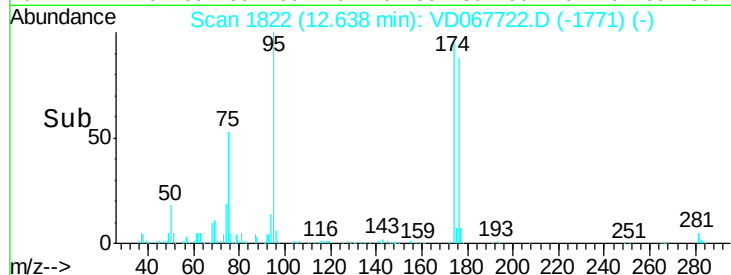
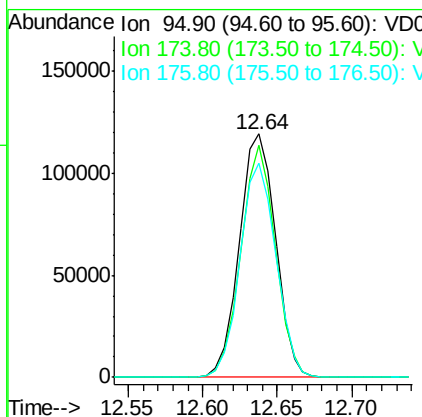
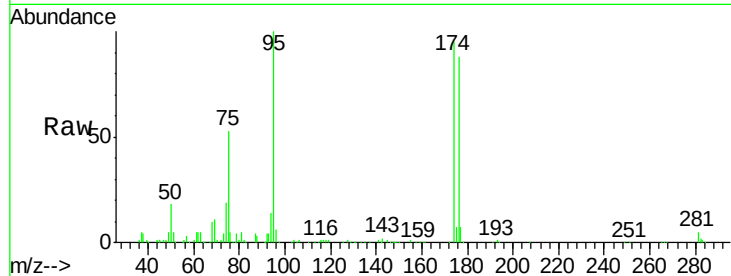




#62
4-Bromofluorobenzene
Concen: 65.320 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067722.D
Acq: 20 Nov 2020 14:03

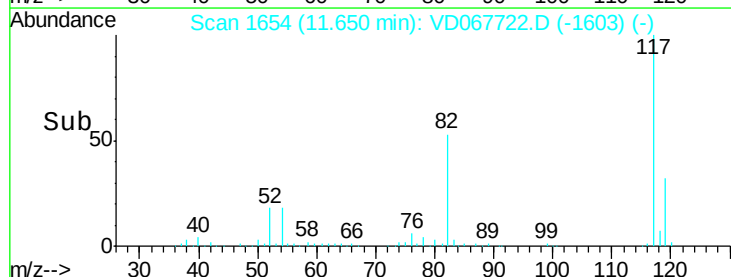
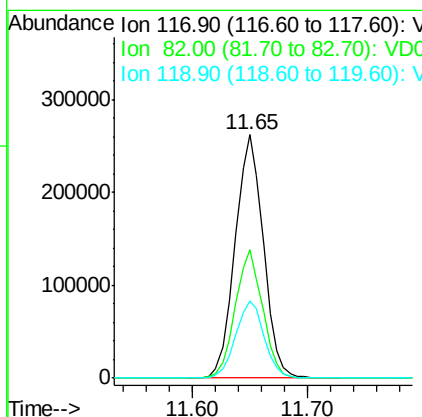
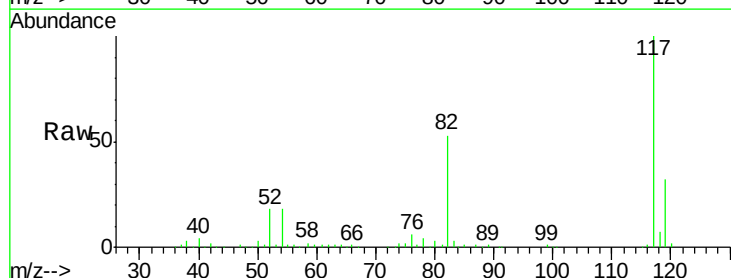
Instrument :
MSVOA_D
ClientSampleId :

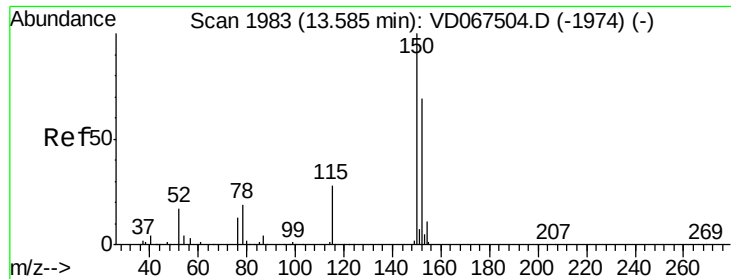
Tot Ion: 95 Resp: 200631
Ion Ratio Lower Upper
95 100
174 90.4 0.0 177.8
176 87.2 0.0 172.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067722.D
Acq: 20 Nov 2020 14:03

Tgt Ion: 117 Resp: 442296
Ion Ratio Lower Upper
117 100
82 52.8 41.6 62.4
119 31.6 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: VD067722.D

Acq: 20 Nov 2020 14:03

Instrument :

MSVOA_D

ClientSampled :

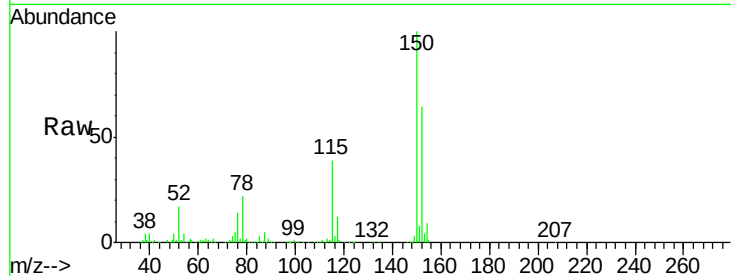
Tot Ion:152 Resp: 235473

Ion Ratio Lower Upper

152 100

115 59.3 29.3 88.0

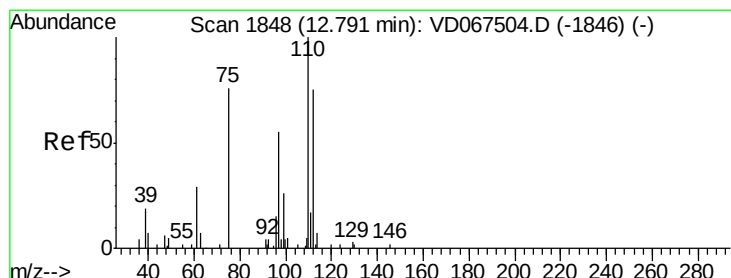
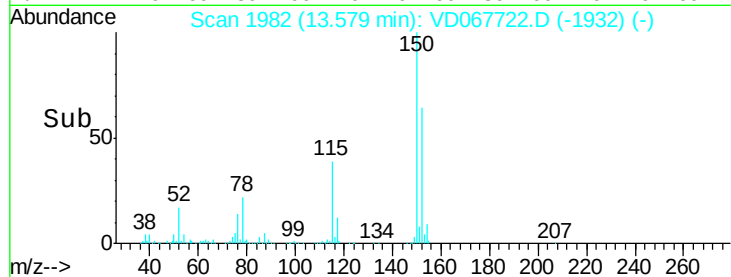
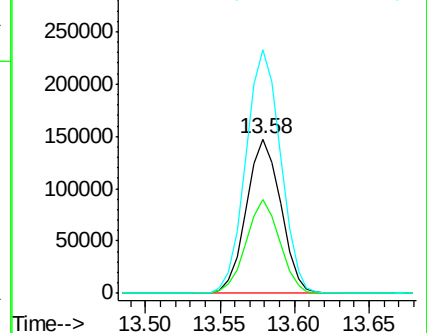
150 159.5 0.0 338.2



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: 73.486 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067722.D

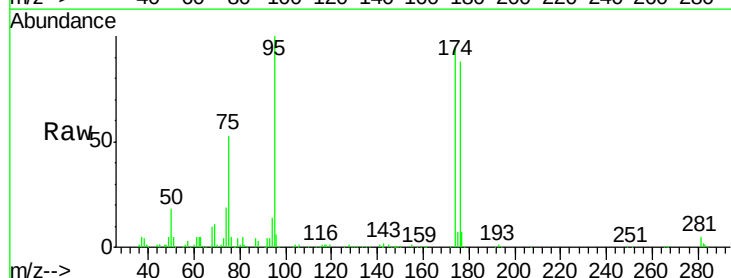
Acq: 20 Nov 2020 14:03

Tgt Ion: 75 Resp: 104388

Ion Ratio Lower Upper

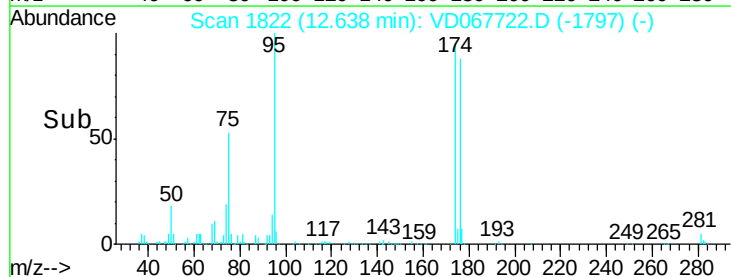
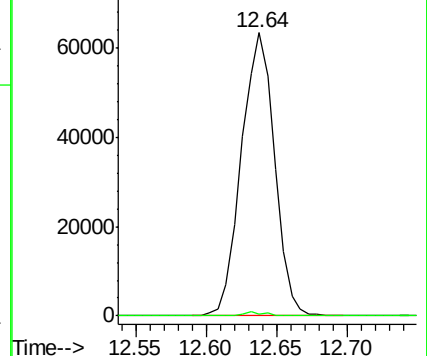
75 100

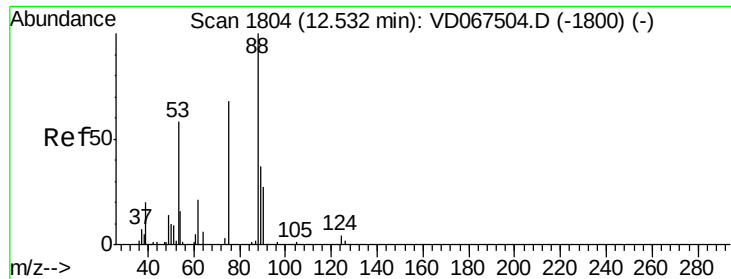
77 1.0 0.0 0.0#



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: 149.197 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067722.D

Acq: 20 Nov 2020 14:03

Instrument :

MSVOA_D

ClientSampleId :

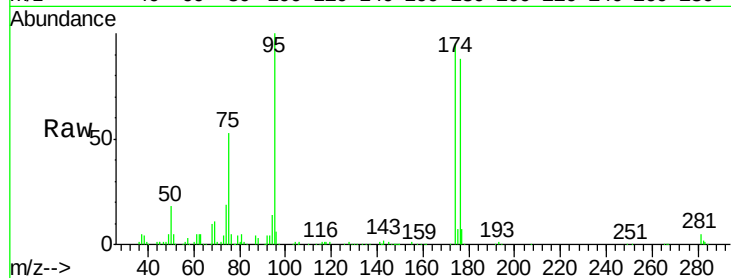
Tot Ion: 75 Resp: 104388

Ion Ratio Lower Upper

75 100

53 0.0 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

