

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112020\
 Data File : VD067732.D
 Acq On : 20 Nov 2020 18:37
 Operator : VA/SY
 Sample : L4847-02
 Misc : 1.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 21 00:42:10 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	236782	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	352189	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	377251	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	194681	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	96762	46.74	ug/l	0.00
Spiked Amount			Recovery	=	93.48%	
35) Dibromofluoromethane	7.92	113	105935	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	
50) Toluene-d8	10.34	98	415318	55.70	ug/l	0.00
Spiked Amount			Recovery	=	111.40%	
62) 4-Bromofluorobenzene	12.63	95	171485	66.61	ug/l	0.00
Spiked Amount			Recovery	=	133.22%	

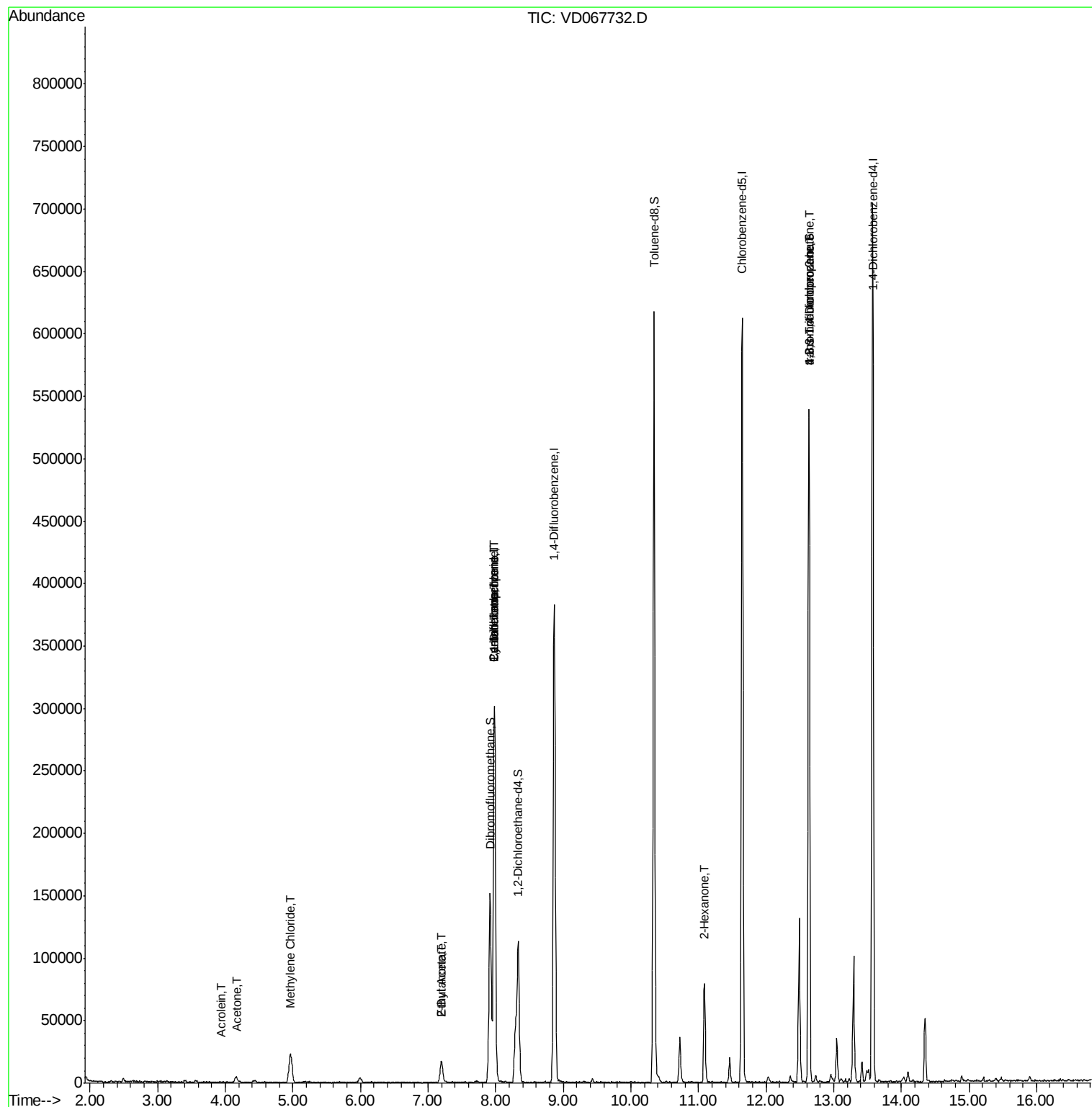
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	234	Below Cal	#	44
11) Tert butyl alcohol	5.22	59	149	Below Cal	#	79
13) Acrolein	3.93	56	58	28.912	ug/l #	15
16) Acetone	4.16	43	8481	27.374	ug/l	100
20) Methylene Chloride	4.96	84	19615	8.963	ug/l	96
25) 2-Butanone	7.21	43	1045	3.157	ug/l #	42
31) Cyclohexane	7.98	56	4232	1.409	ug/l #	44
36) 1,1-Dichloropropene	7.98	75	15633	5.186	ug/l #	50
37) Ethyl Acetate	7.21	43	1045	1.335	ug/l #	1
38) Carbon Tetrachloride	7.98	117	24150	6.166	ug/l #	17
59) 2-Hexanone	11.08	43	8274	15.985	ug/l #	43
76) 1,2,3-Trichloropropane	12.64	75	90984	77.471	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	90984	157.287	ug/l #	10

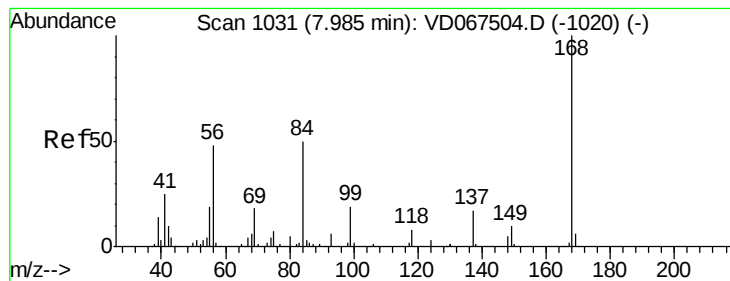
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067732.D

Acq: 20 Nov 2020 18:37

Instrument :

MSVOA_D

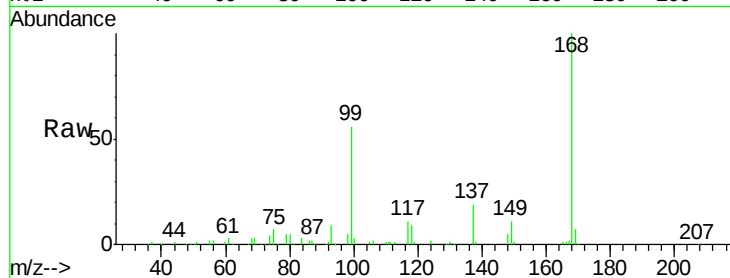
ClientSampleId :

Tot Ion:168 Resp: 236782

Ion Ratio Lower Upper

168 100

99 56.2 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

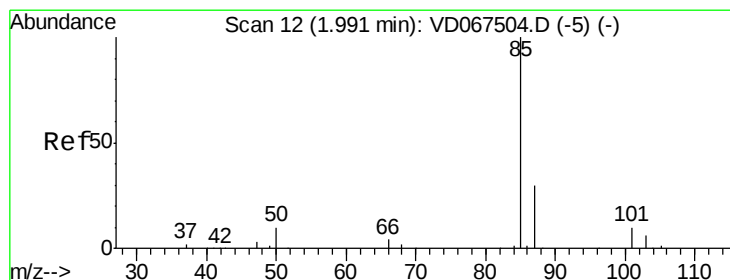
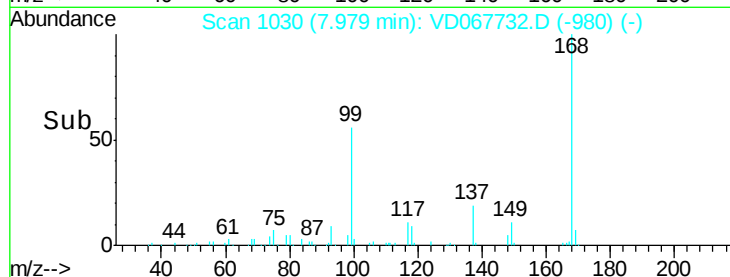
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067732.D

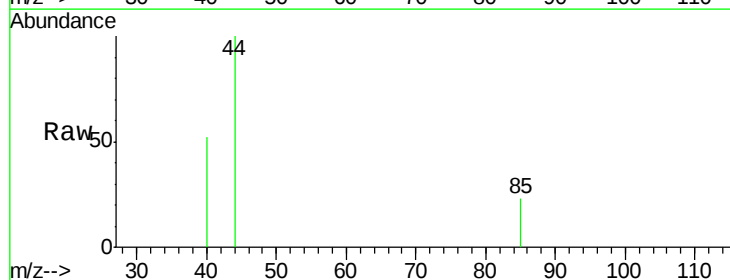
Acq: 20 Nov 2020 18:37

Tgt Ion: 85 Resp: 234

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

1.99

250

200

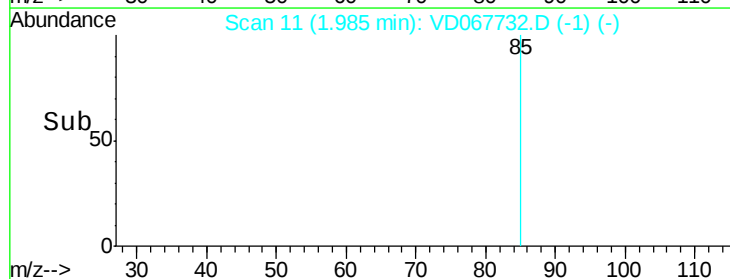
150

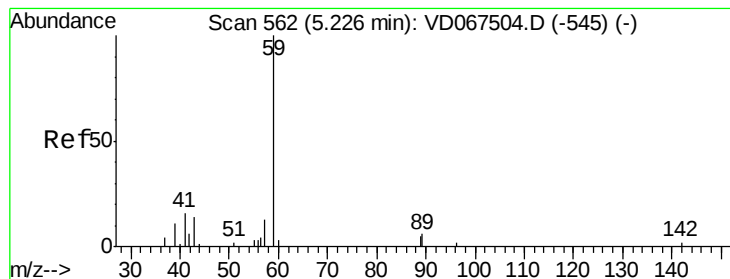
100

50

0

Time-->



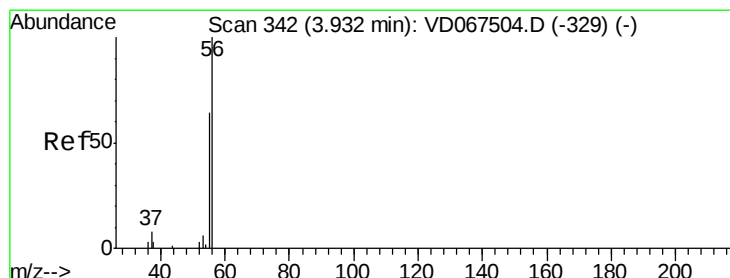
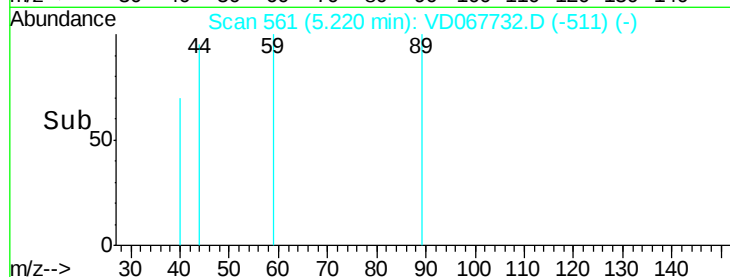
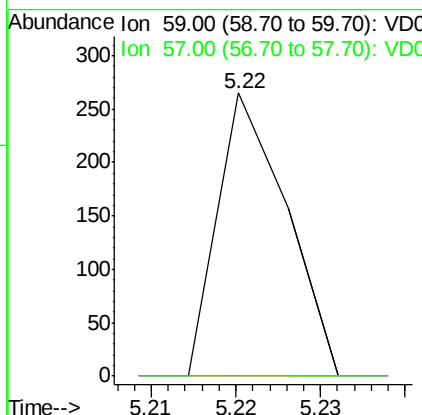
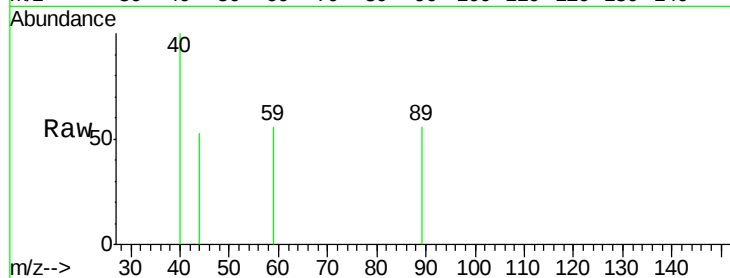


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.22 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: VD067732.D
 Acq: 20 Nov 2020 18:37

Instrument :
 MSVOA_D
 ClientSampled :

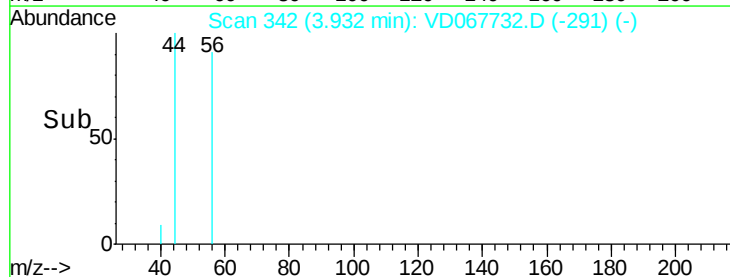
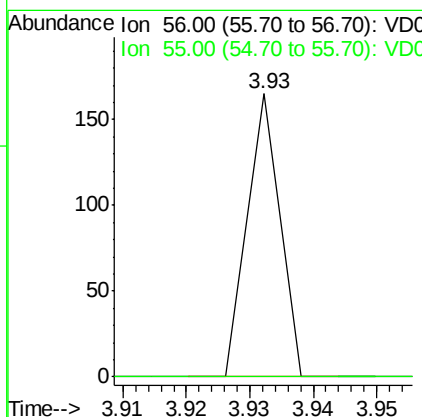
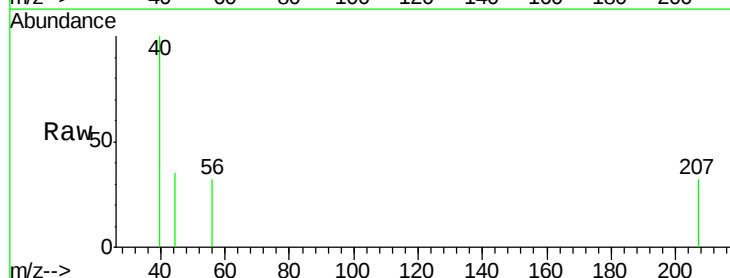
Tot Ion: 59 Resp: 149
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.9 8.9#

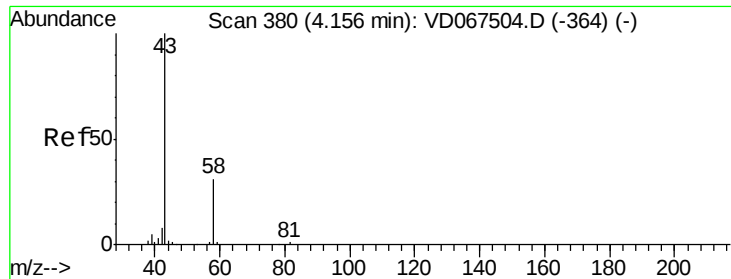


#13

Acrolein
 Concen: 28.912 ug/l
 RT: 3.93 min Scan# 342
 Delta R.T. 0.00 min
 Lab File: VD067732.D
 Acq: 20 Nov 2020 18:37

Tgt Ion: 56 Resp: 58
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.8 83.8#

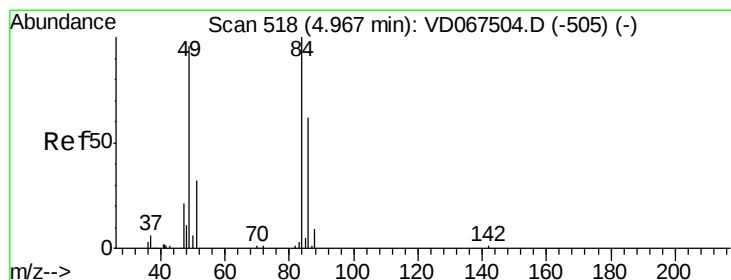
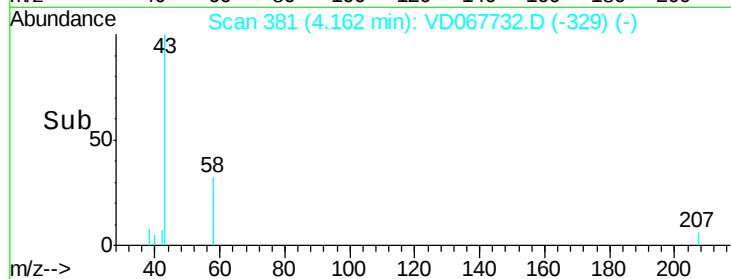
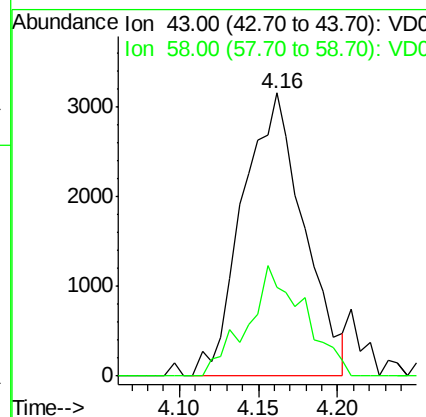
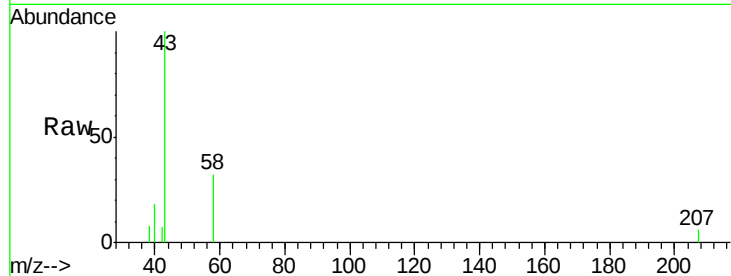




#16
Acetone
Concen: 27.374 ug/l
RT: 4.16 min Scan# 381
Delta R.T. 0.01 min
Lab File: VD067732.D
Acq: 20 Nov 2020 18:37

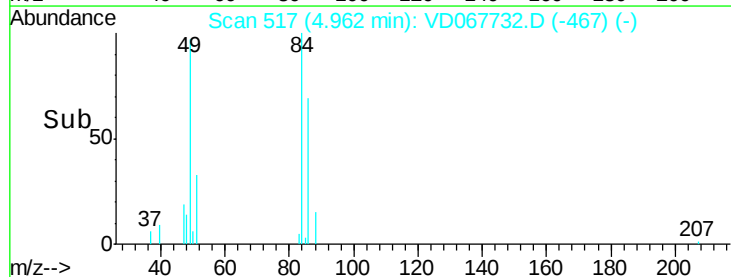
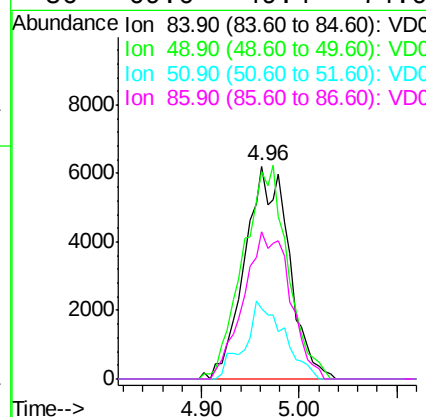
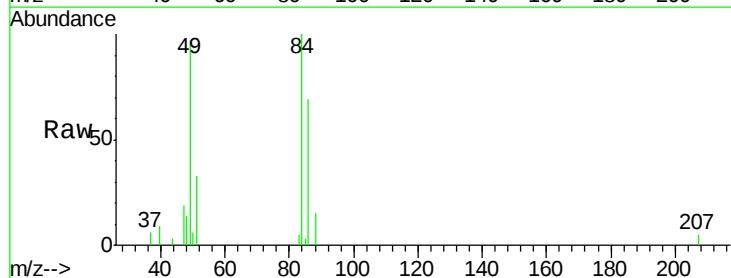
Instrument :
MSVOA_D
ClientSampleId :

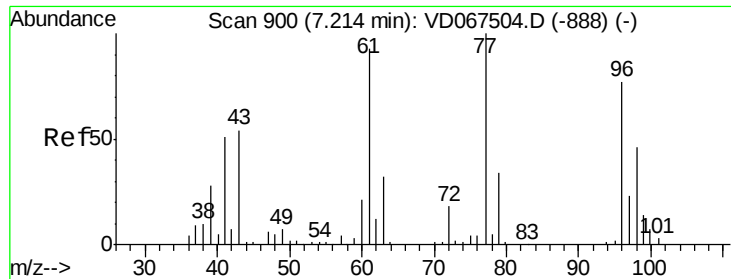
Tot Ion: 43 Resp: 8481
Ion Ratio Lower Upper
43 100
58 31.5 25.2 37.8



#20
Methylene Chloride
Concen: 8.963 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD067732.D
Acq: 20 Nov 2020 18:37

Tgt Ion: 84 Resp: 19615
Ion Ratio Lower Upper
84 100
49 97.4 77.0 115.4
51 33.3 25.4 38.2
86 69.0 49.4 74.0

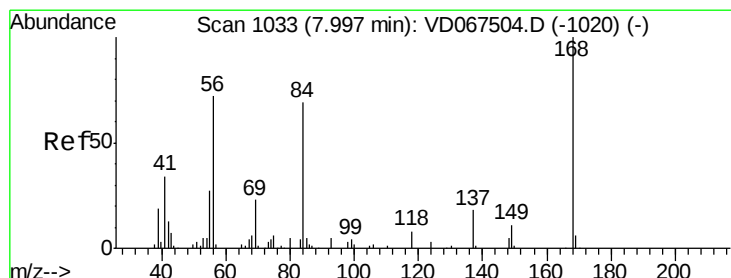
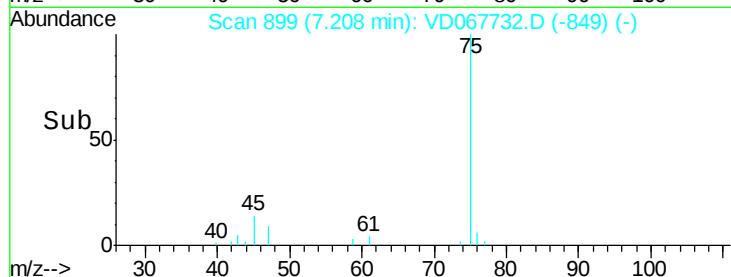
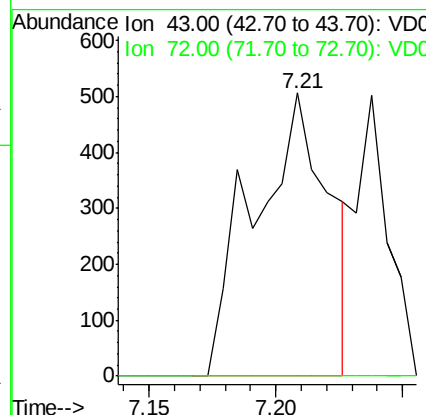
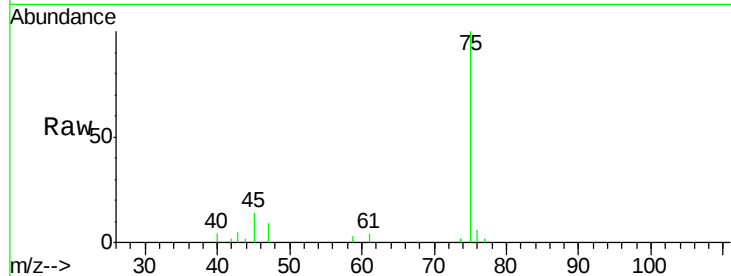




#25
2-Butanone
Concen: 3.157 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067732.D
Acq: 20 Nov 2020 18:37

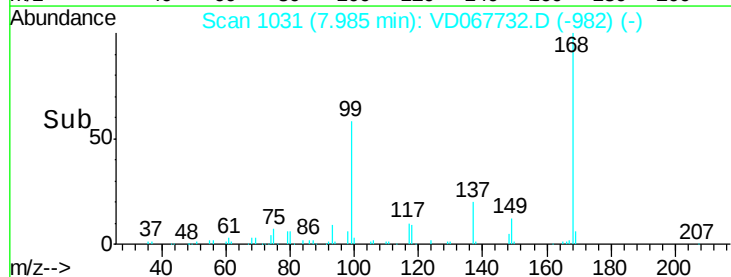
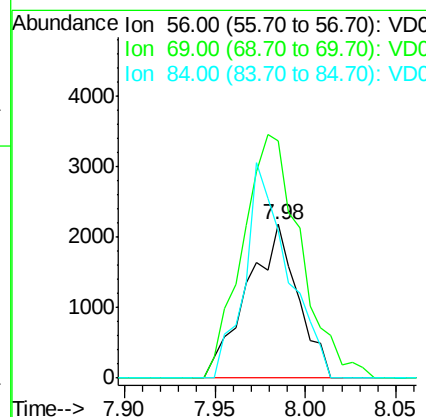
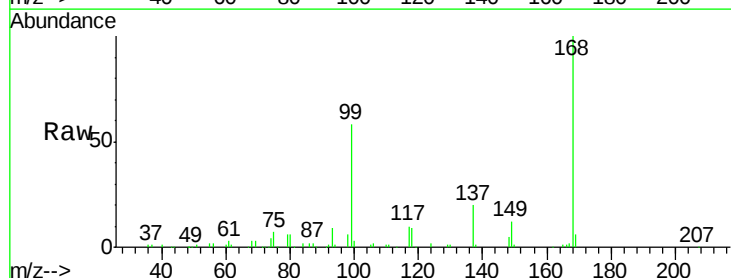
Instrument :
MSVOA_D
ClientSampleId :

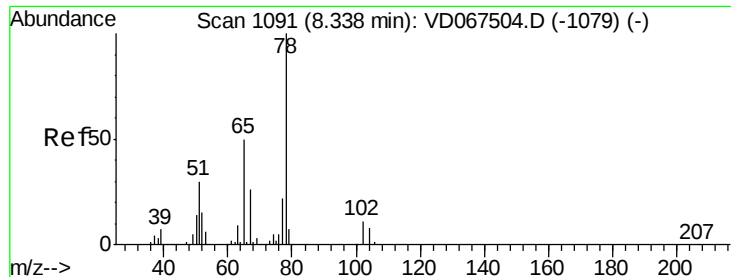
Tot Ion: 43 Resp: 1045
Ion Ratio Lower Upper
43 100
72 0.0 26.4 39.6#



#31
Cyclohexane
Concen: 1.409 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067732.D
Acq: 20 Nov 2020 18:37

Tgt Ion: 56 Resp: 4232
Ion Ratio Lower Upper
56 100
69 154.8 25.9 38.9#
84 95.8 76.2 114.4





#33

1,2-Dichloroethane-d4

Concen: 46.736 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067732.D

Acq: 20 Nov 2020 18:37

Instrument :

MSVOA_D

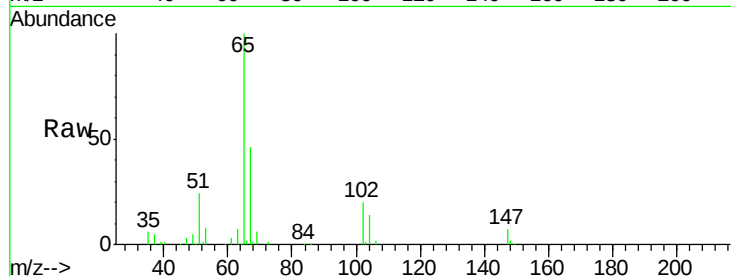
ClientSampleId :

Tot Ion: 65 Resp: 96762

Ion Ratio Lower Upper

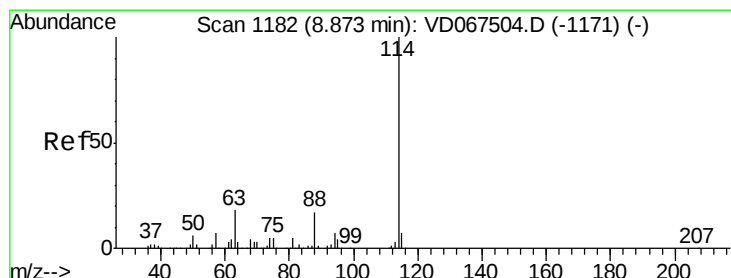
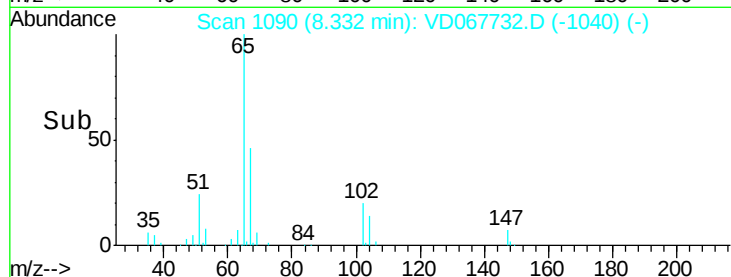
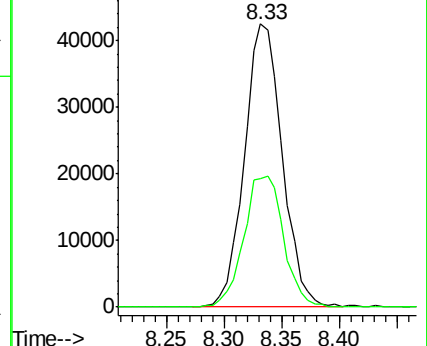
65 100

67 48.7 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: VD067732.D

Acq: 20 Nov 2020 18:37

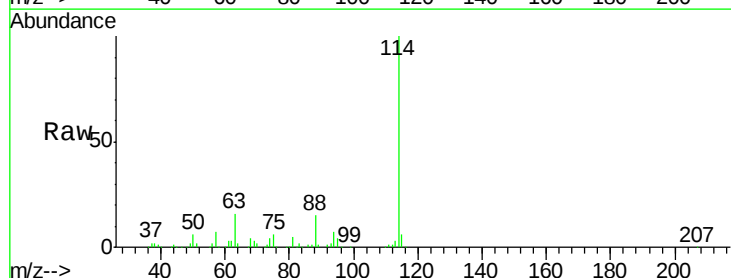
Tgt Ion: 114 Resp: 352189

Ion Ratio Lower Upper

114 100

63 15.6 0.0 35.0

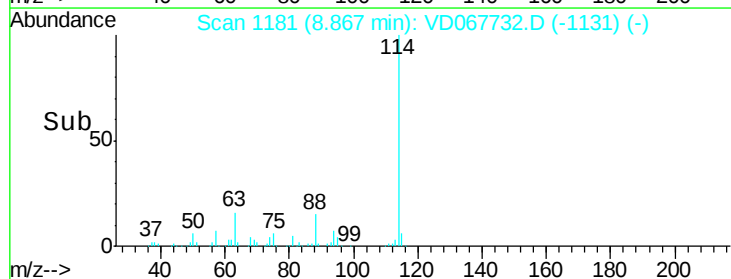
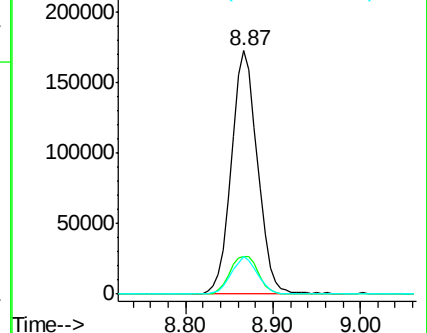
88 15.2 0.0 33.0

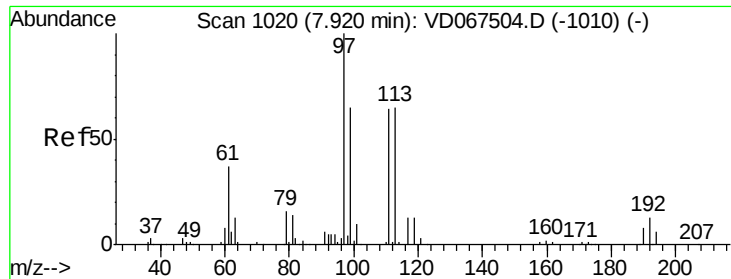


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

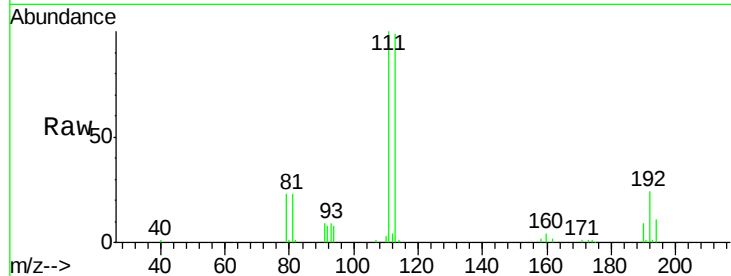




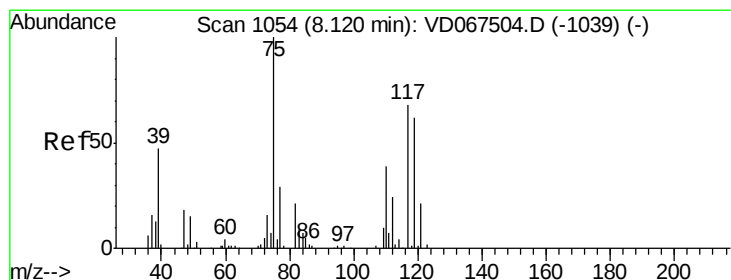
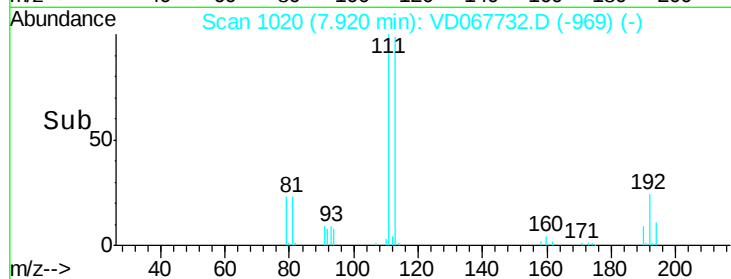
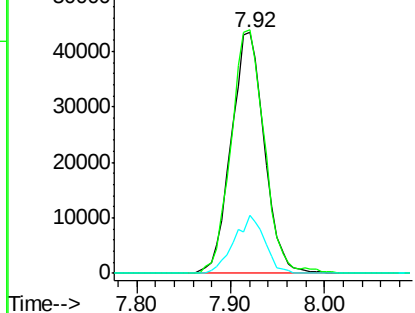
#35
 Dibromofluoromethane
 Concen: 49.924 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067732.D
 Acq: 20 Nov 2020 18:37

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:113 Resp: 105935
 Ion Ratio Lower Upper
 113 100
 111 100.7 80.0 120.0
 192 22.4 16.3 24.5

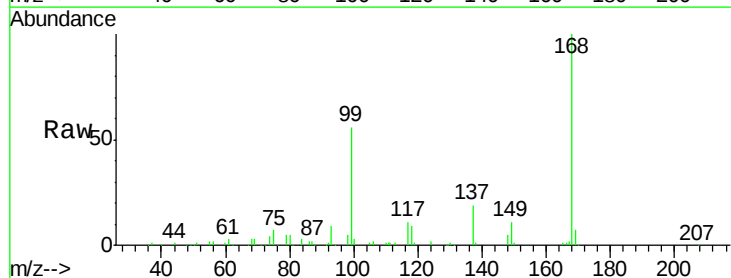


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

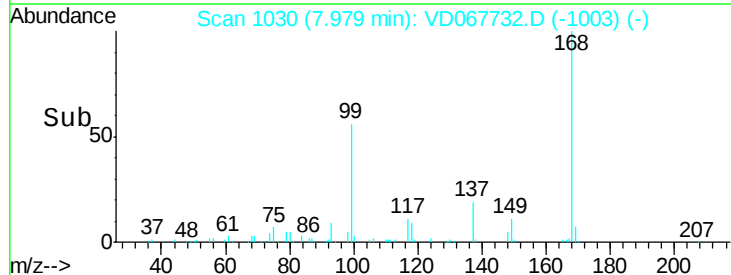
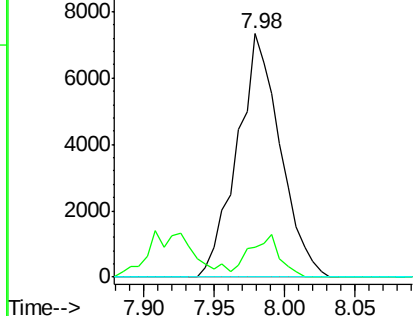


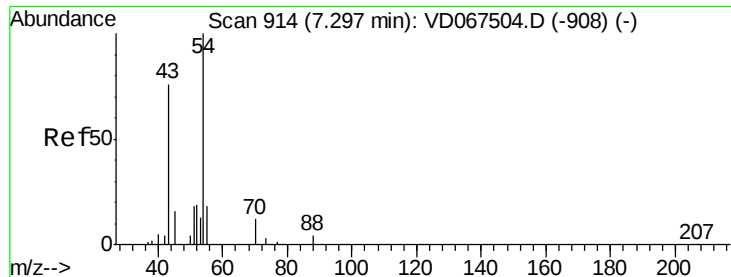
#36
 1,1-Dichloropropene
 Concen: 5.186 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067732.D
 Acq: 20 Nov 2020 18:37

Tgt Ion: 75 Resp: 15633
 Ion Ratio Lower Upper
 75 100
 110 12.3 19.9 59.7#
 77 0.0 24.8 37.2#



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





#37

Ethyl Acetate

Concen: 1.335 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.09 min

Lab File: VD067732.D

Acq: 20 Nov 2020 18:37

Instrument :
MSVOA_D
ClientSampled :

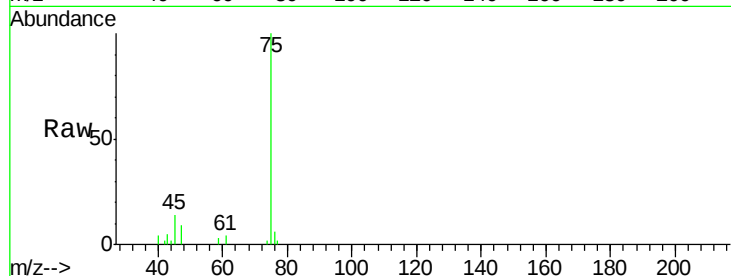
Tot Ion: 43 Resp: 1045

Ion Ratio Lower Upper

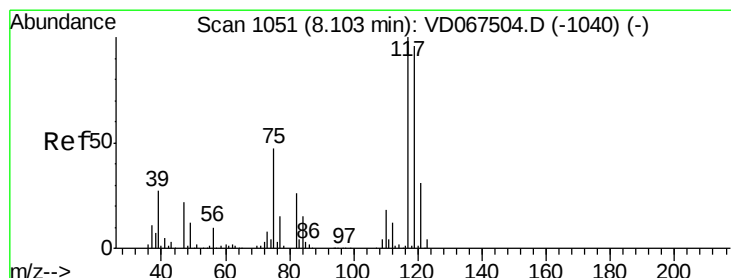
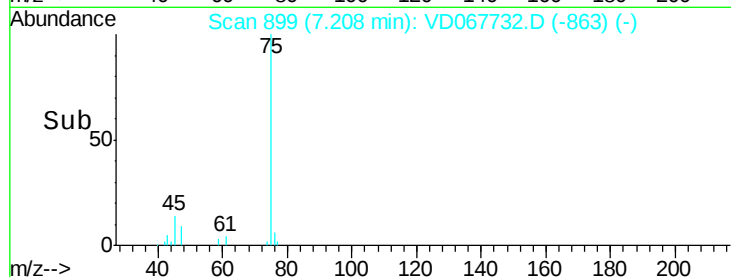
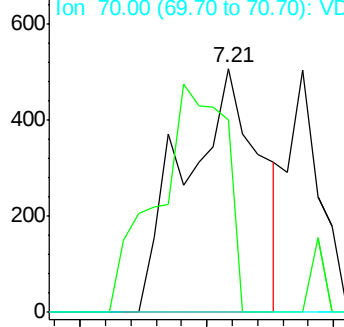
43 100

61 85.4 12.8 19.2#

70 0.0 11.7 17.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 6.166 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067732.D

Acq: 20 Nov 2020 18:37

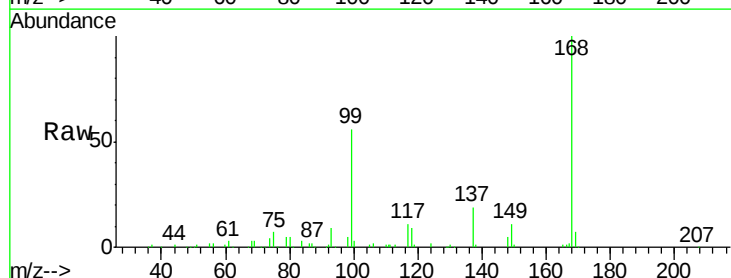
Tgt Ion: 117 Resp: 24150

Ion Ratio Lower Upper

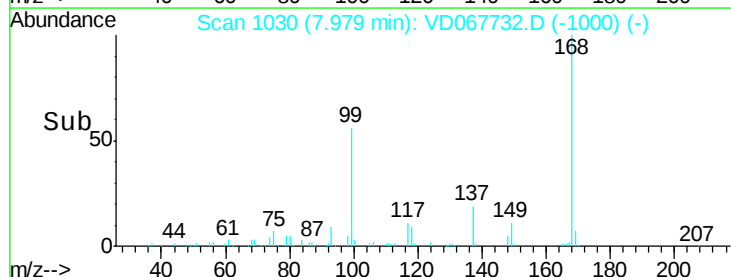
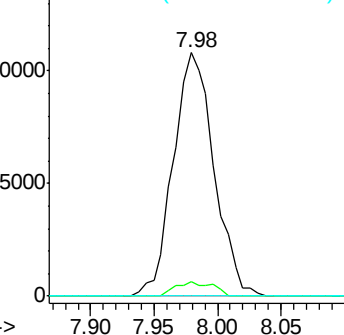
117 100

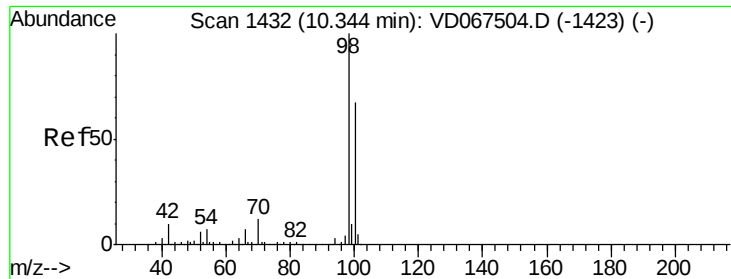
119 6.2 76.9 115.3#

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

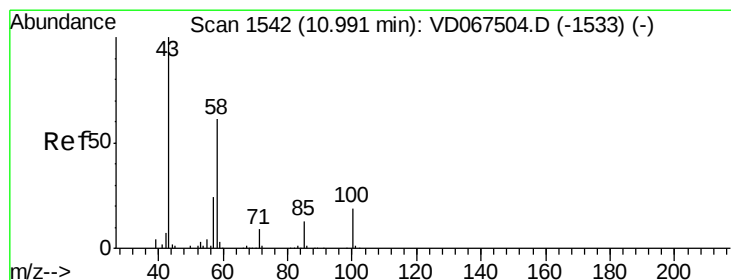
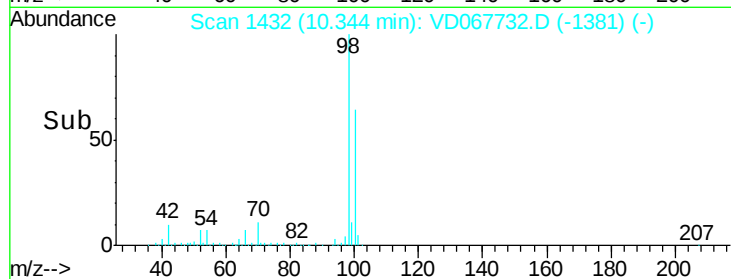
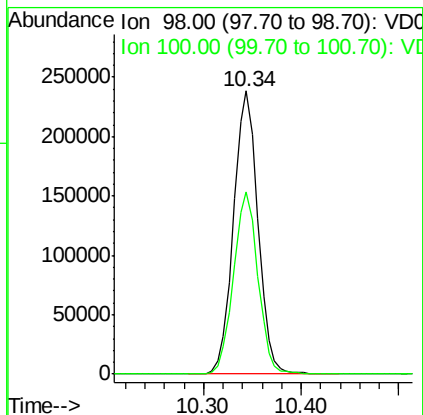
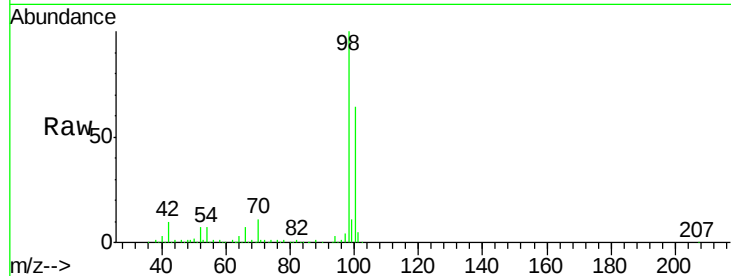




#50
Toluene-d8
Concen: 55.695 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067732.D
Acq: 20 Nov 2020 18:37

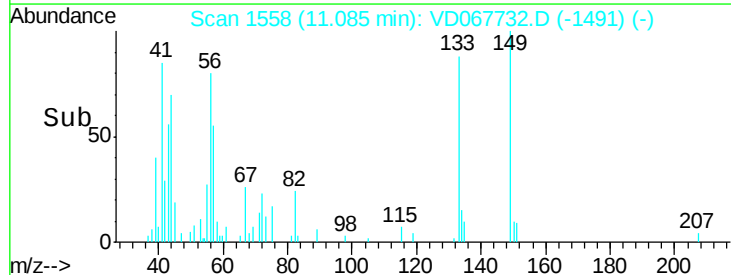
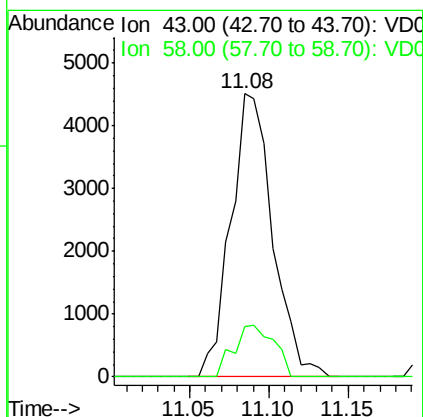
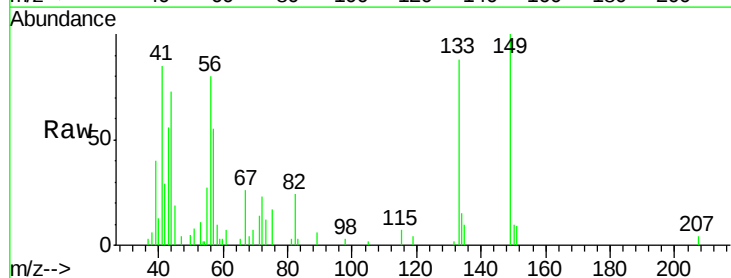
Instrument :
MSVOA_D
ClientSampled :

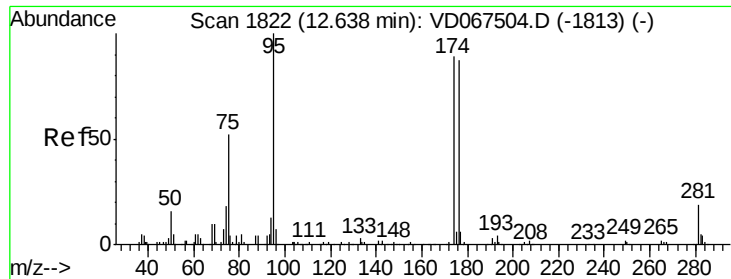
Tot Ion: 98 Resp: 415318
Ion Ratio Lower Upper
98 100
100 64.4 53.0 79.6



#59
2-Hexanone
Concen: 15.985 ug/l
RT: 11.08 min Scan# 1558
Delta R.T. 0.09 min
Lab File: VD067732.D
Acq: 20 Nov 2020 18:37

Tgt Ion: 43 Resp: 8274
Ion Ratio Lower Upper
43 100
58 17.5 30.3 90.9#

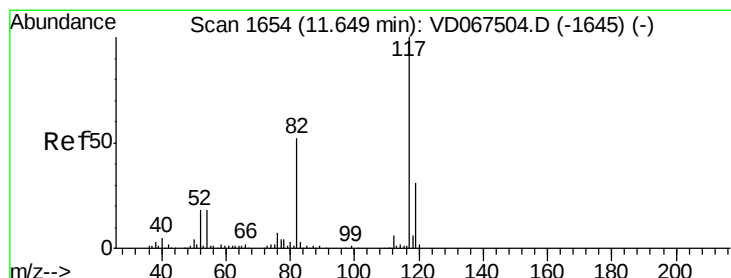
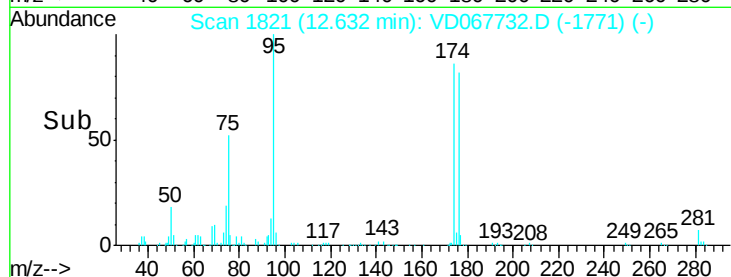
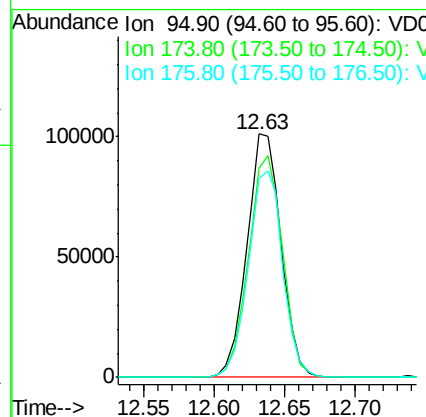
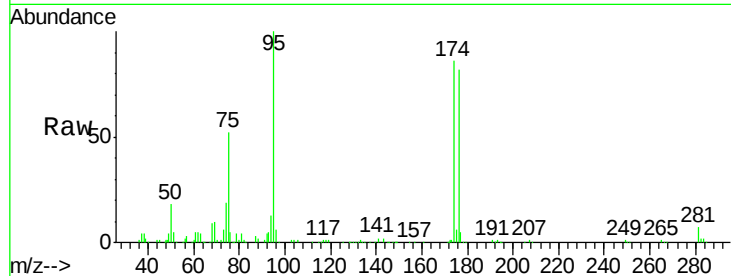




#62
4-Bromofluorobenzene
Concen: 66.609 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VD067732.D
Acq: 20 Nov 2020 18:37

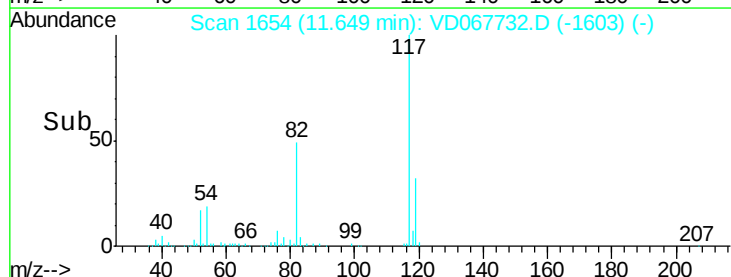
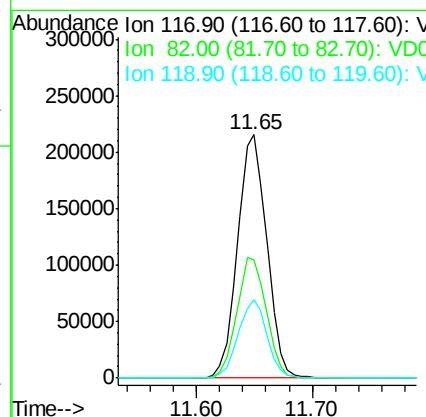
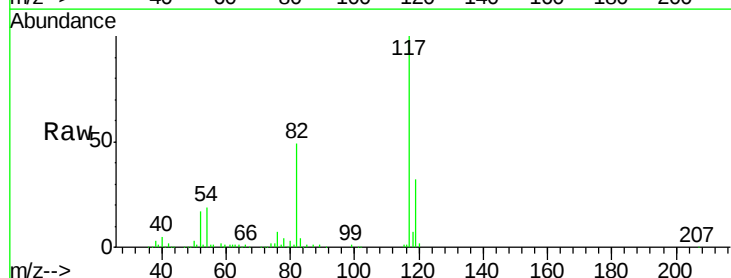
Instrument :
MSVOA_D
ClientSampleId :

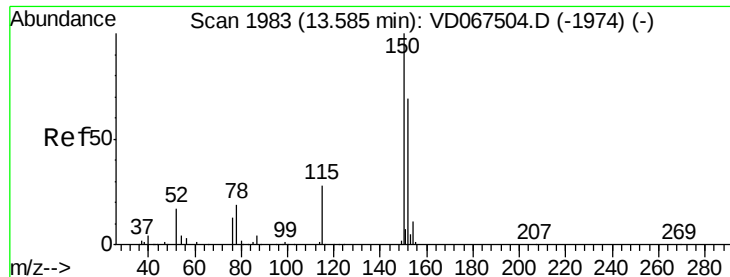
Tot Ion	Ratio	Lower	Upper
95	100		
174	90.9	0.0	177.8
176	85.6	0.0	172.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067732.D
Acq: 20 Nov 2020 18:37

Tgt Ion	Ratio	Lower	Upper
117	100		
82	48.7	41.6	62.4
119	32.4	25.1	37.7



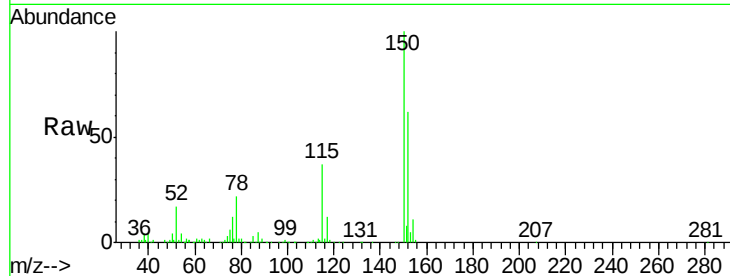


#72

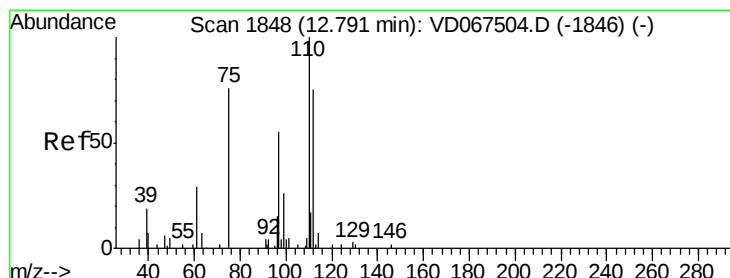
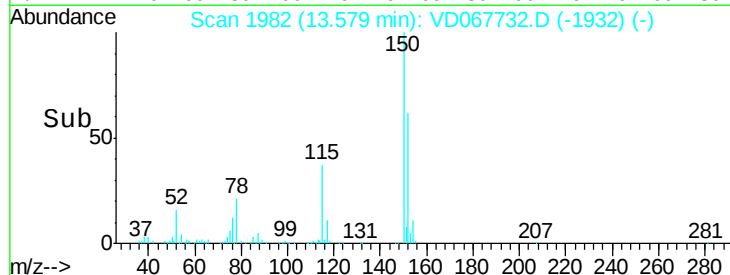
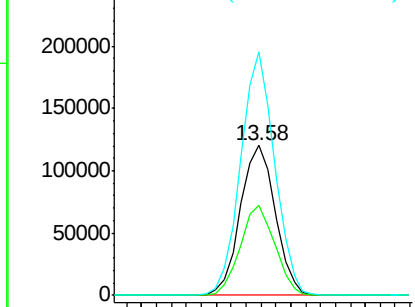
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067732.D
Acq: 20 Nov 2020 18:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 194681
Ion Ratio Lower Upper
152 100
115 59.5 29.3 88.0
150 157.9 0.0 338.2



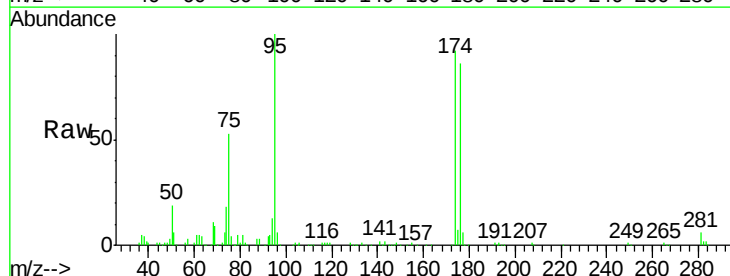
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



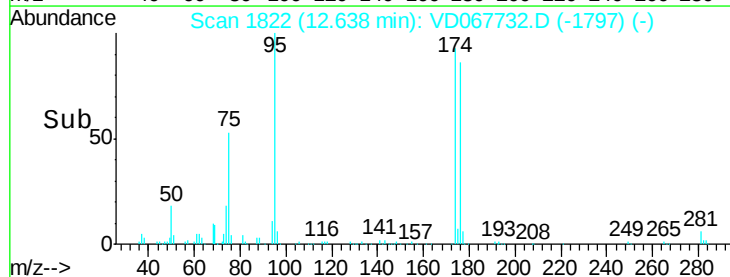
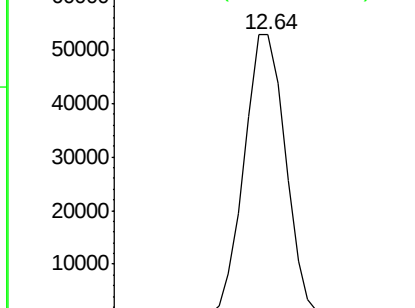
#76

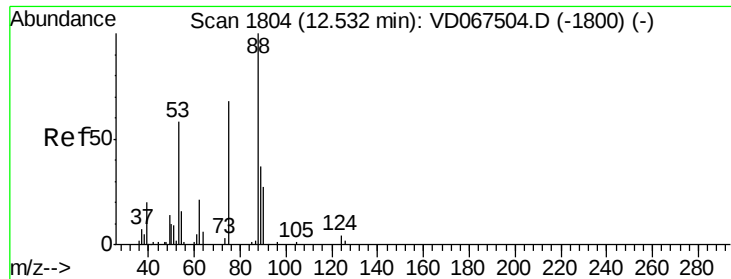
1,2,3-Trichloropropane
Concen: 77.471 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD067732.D
Acq: 20 Nov 2020 18:37

Tgt Ion: 75 Resp: 90984
Ion Ratio Lower Upper
75 100
77 1.3 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: 157.287 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067732.D

Acq: 20 Nov 2020 18:37

Instrument :

MSVOA_D

ClientSampleId :

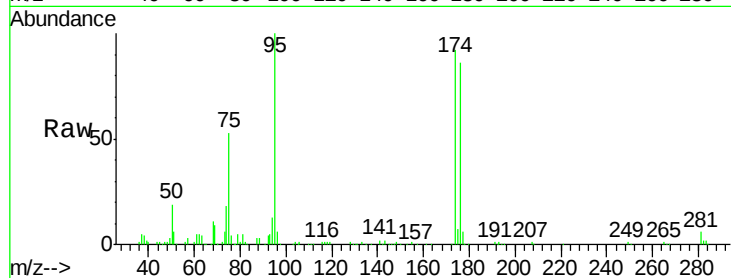
Tot Ion: 75 Resp: 90984

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

