

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112020\
 Data File : VD067726.D
 Acq On : 20 Nov 2020 15:53
 Operator : VA/SY
 Sample : L4809-11
 Misc : 5.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 21 00:40:18 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	259663	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	405077	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	431081	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	234870	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	114157	50.28	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.56%	
35) Dibromofluoromethane	7.92	113	121102	49.62	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.24%	
50) Toluene-d8	10.34	98	467797	54.54	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.08%	
62) 4-Bromofluorobenzene	12.64	95	193358	65.30	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	130.60%	

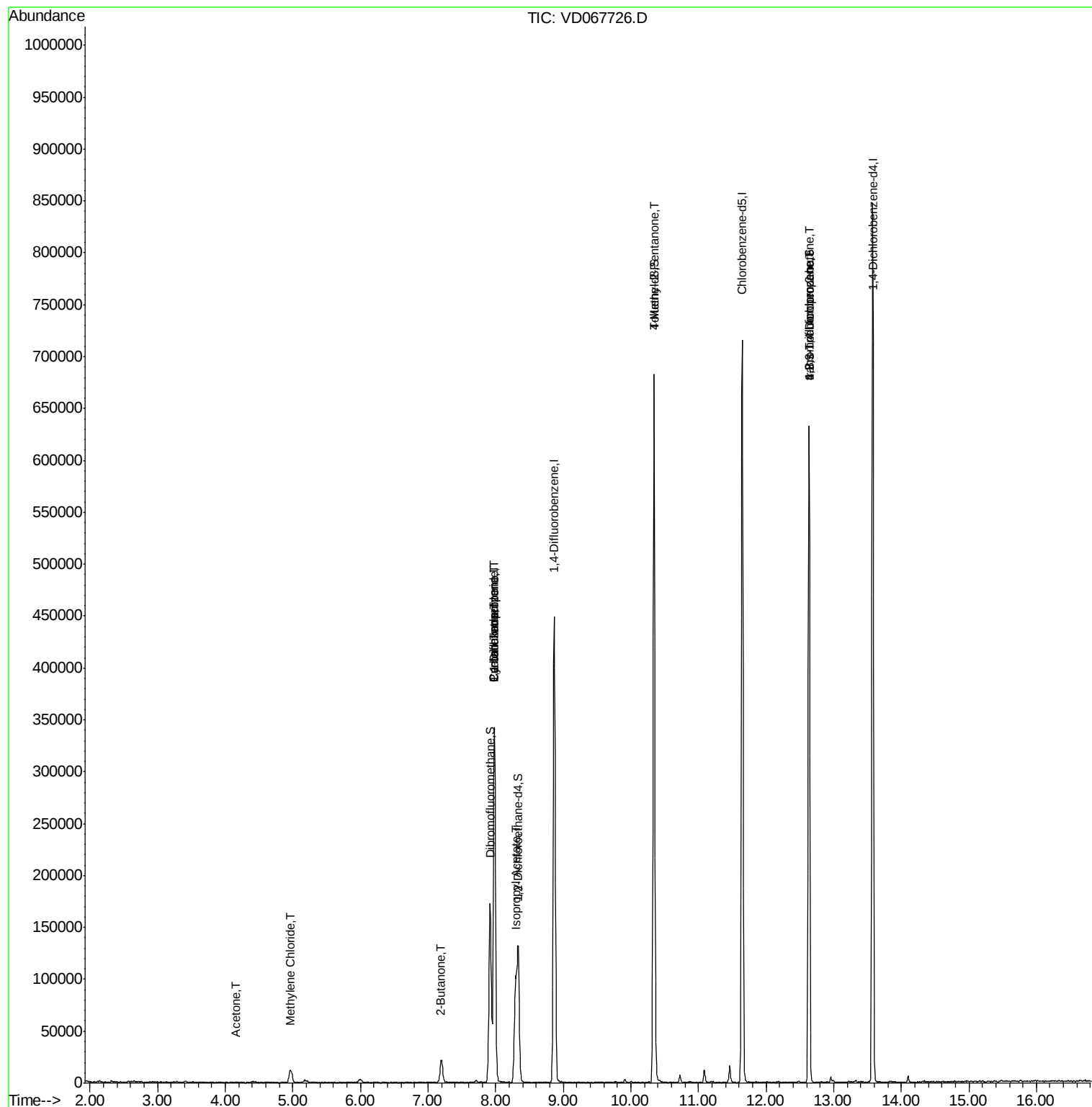
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	313	Below Cal	#	44
11) Tert butyl alcohol	5.21	59	821	Below Cal	#	79
16) Acetone	4.16	43	346	1.018	ug/l #	69
20) Methylene Chloride	4.97	84	10832	4.513	ug/l #	84
25) 2-Butanone	7.20	43	766	2.110	ug/l #	42
31) Cyclohexane	7.98	56	4634	1.407	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	17775	5.126	ug/l #	50
38) Carbon Tetrachloride	7.98	117	26492	5.880	ug/l #	13
43) Isopropyl Acetate	8.30	43	1885	1.059	ug/l #	37
51) 4-Methyl-2-Pentanone	10.35	43	1795	2.108	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	101038	71.311	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	101038	144.780	ug/l #	10

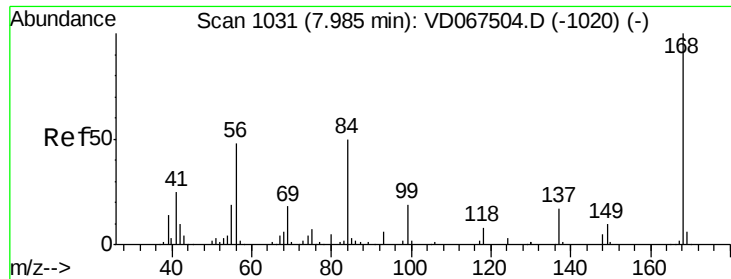
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112020\
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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: VD067726.D

Acq: 20 Nov 2020 15:53

Instrument :

MSVOA_D

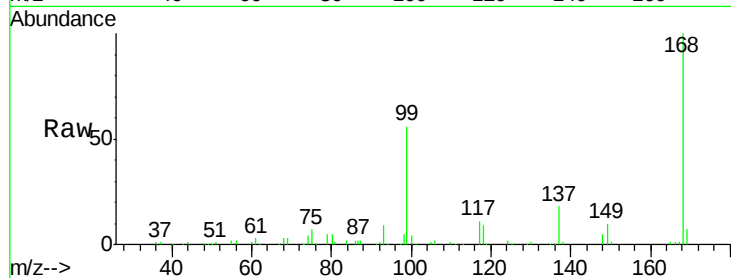
ClientSampled :

Tot Ion:168 Resp: 259663

Ion Ratio Lower Upper

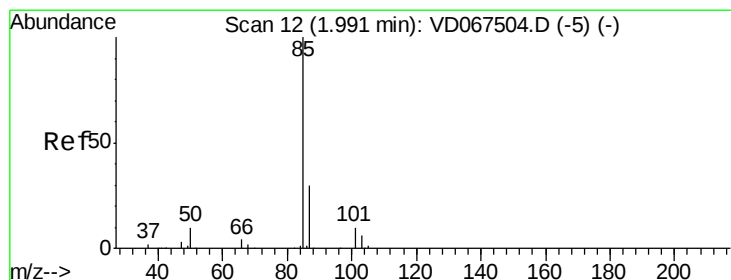
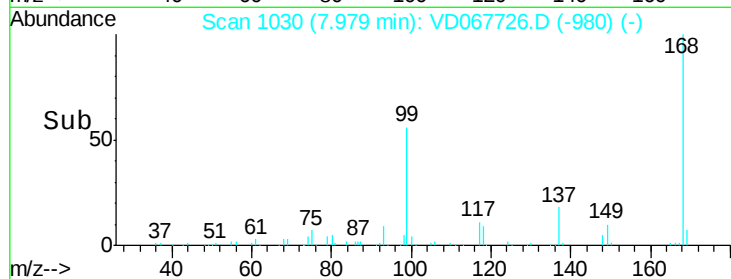
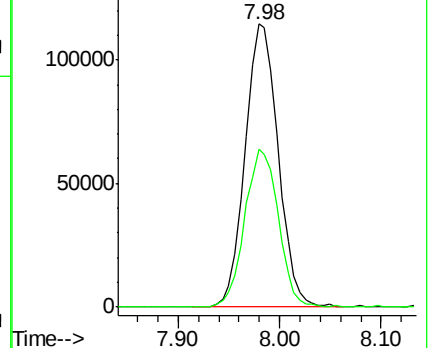
168 100

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: VD067726.D

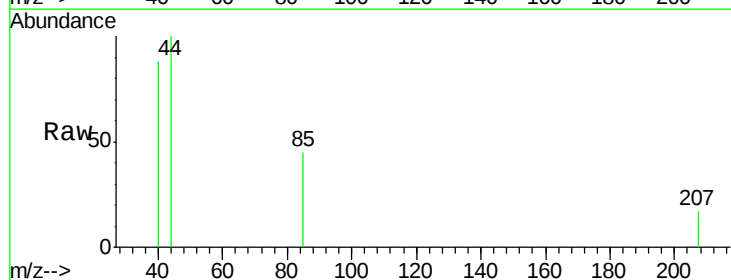
Acq: 20 Nov 2020 15:53

Tgt Ion: 85 Resp: 313

Ion Ratio Lower Upper

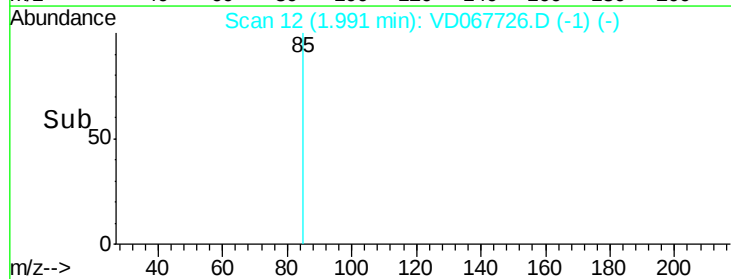
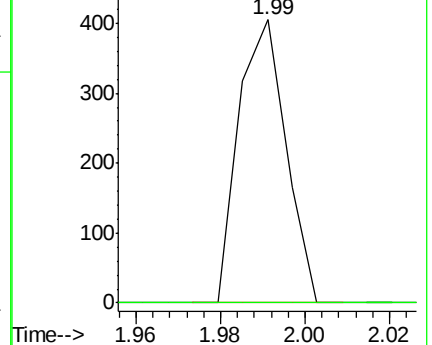
85 100

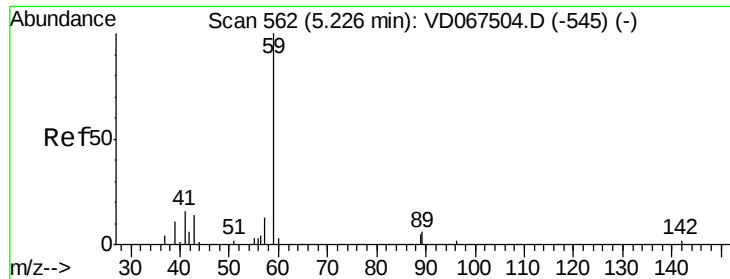
87 0.0 15.3 45.8#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

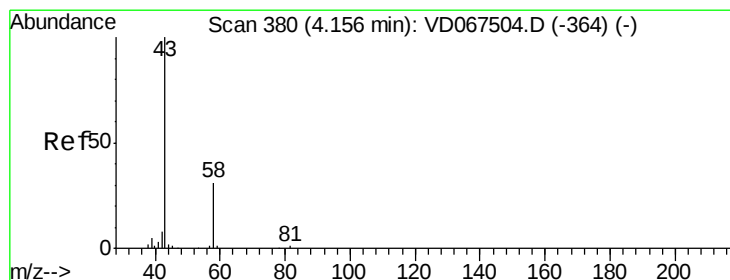
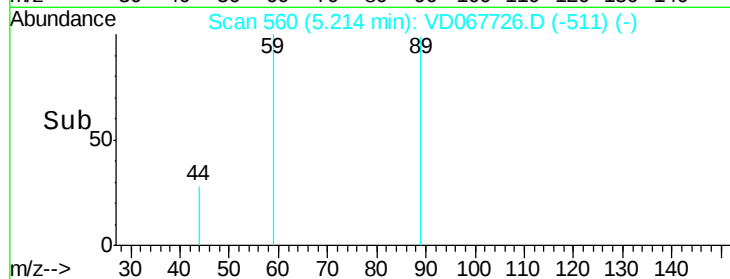
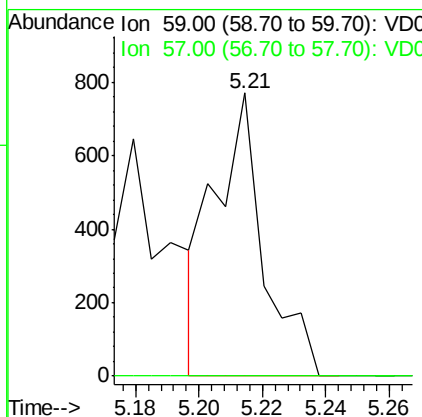
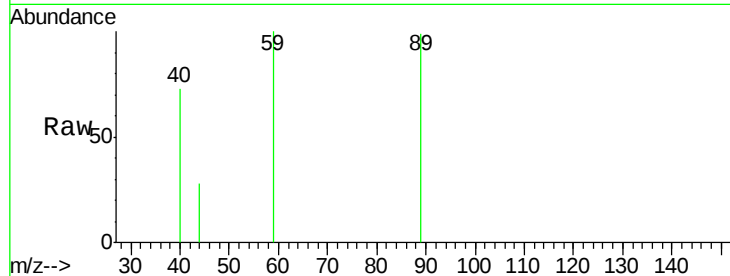




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.21 min Scan# 560
Delta R.T. -0.01 min
Lab File: VD067726.D
Acq: 20 Nov 2020 15:53

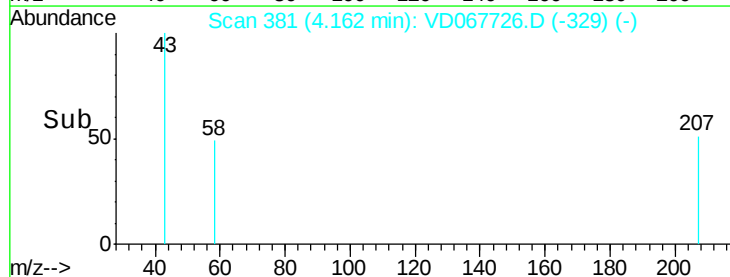
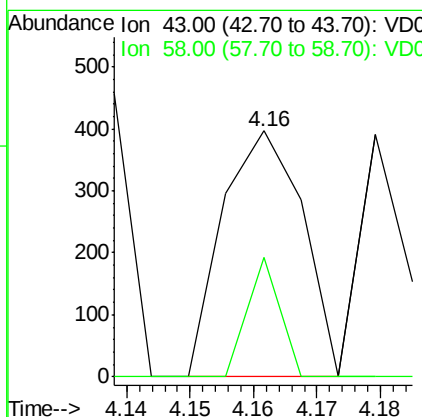
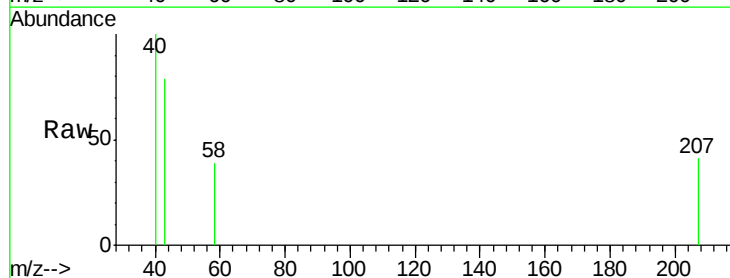
Instrument :
MSVOA_D
ClientSampled :

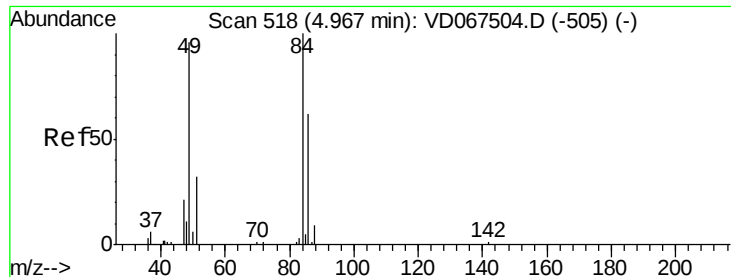
Tot Ion: 59 Resp: 821
Ion Ratio Lower Upper
59 100
57 0.0 5.9 8.9#



#16
Acetone
Concen: 1.018 ug/l
RT: 4.16 min Scan# 381
Delta R.T. 0.01 min
Lab File: VD067726.D
Acq: 20 Nov 2020 15:53

Tgt Ion: 43 Resp: 346
Ion Ratio Lower Upper
43 100
58 48.6 25.2 37.8#

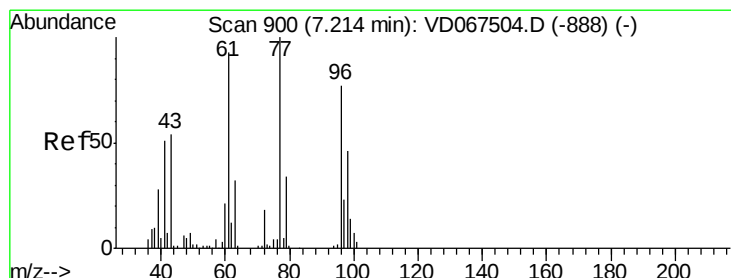
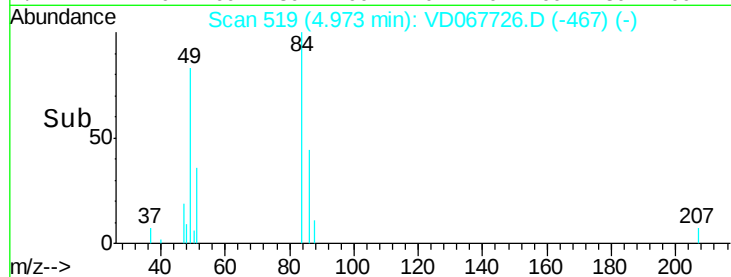
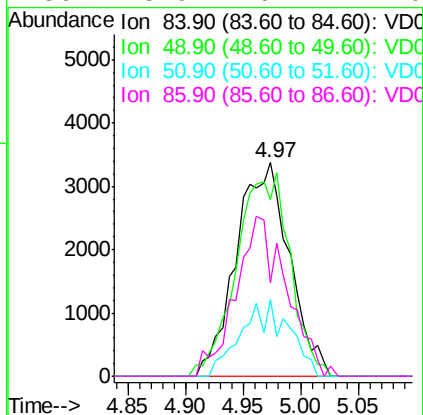
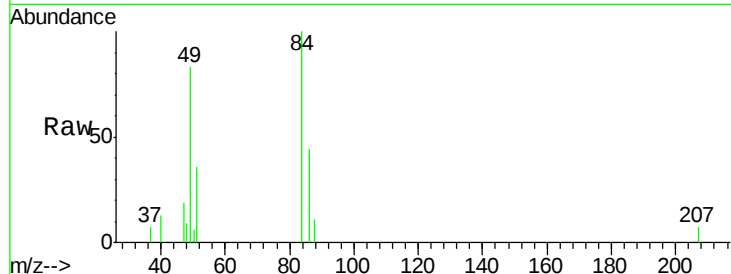




#20
Methvlene Chloride
Concen: 4.513 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD067726.D
Acq: 20 Nov 2020 15:53

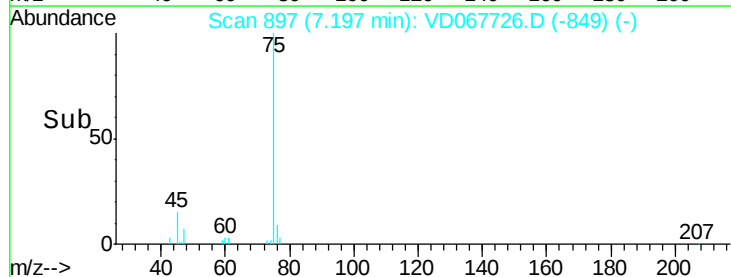
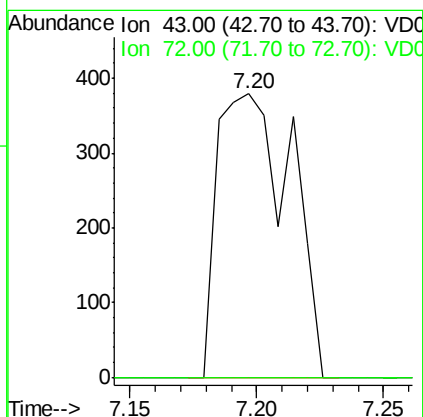
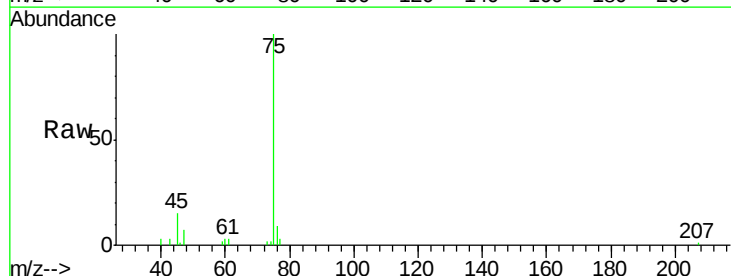
Instrument :
MSVOA_D
ClientSampleId :

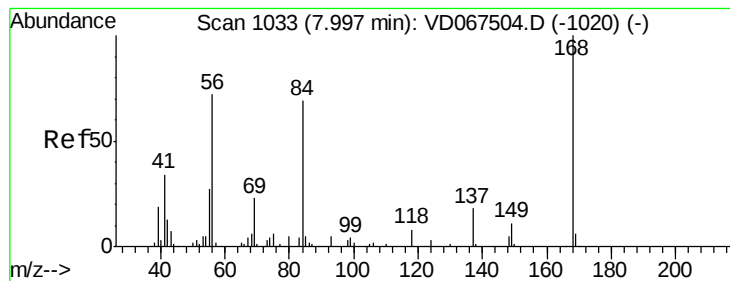
Tot Ion: 84 Resp: 10832
Ion Ratio Lower Upper
84 100
49 83.0 77.0 115.4
51 35.8 25.4 38.2
86 43.9 49.4 74.0#



#25
2-Butanone
Concen: 2.110 ug/l
RT: 7.20 min Scan# 897
Delta R.T. -0.02 min
Lab File: VD067726.D
Acq: 20 Nov 2020 15:53

Tgt Ion: 43 Resp: 766
Ion Ratio Lower Upper
43 100
72 0.0 26.4 39.6#





#31

Cyclohexane

Concen: 1.407 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VD067726.D

Acq: 20 Nov 2020 15:53

Instrument :

MSVOA_D

ClientSampleId :

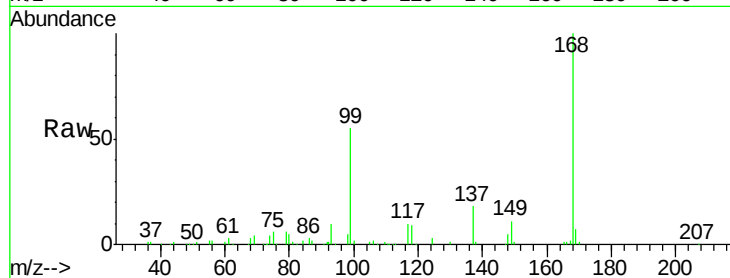
Tot Ion: 56 Resp: 4634

Ion Ratio Lower Upper

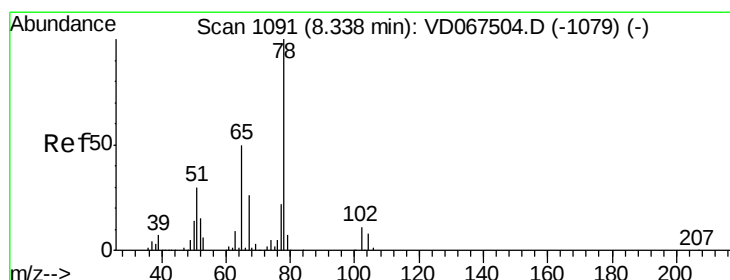
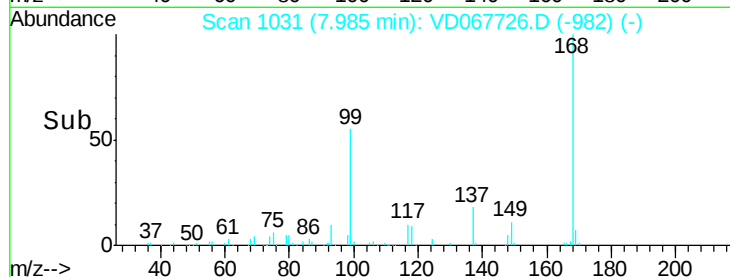
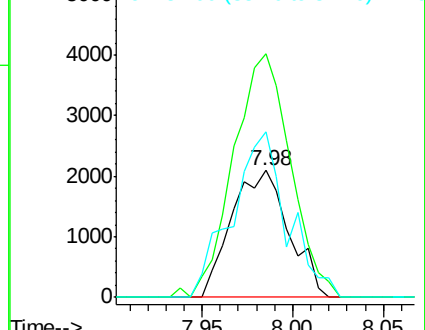
56 100

69 191.8 25.9 38.9#

84 130.5 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: 50.279 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD067726.D

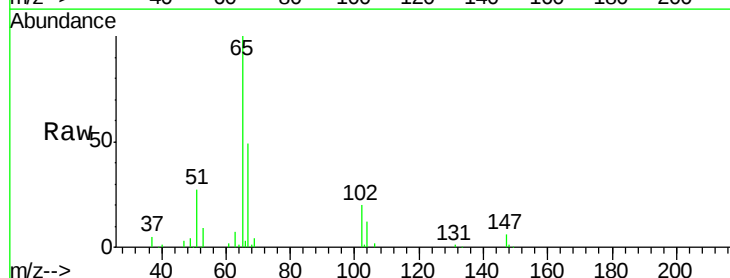
Acq: 20 Nov 2020 15:53

Tgt Ion: 65 Resp: 114157

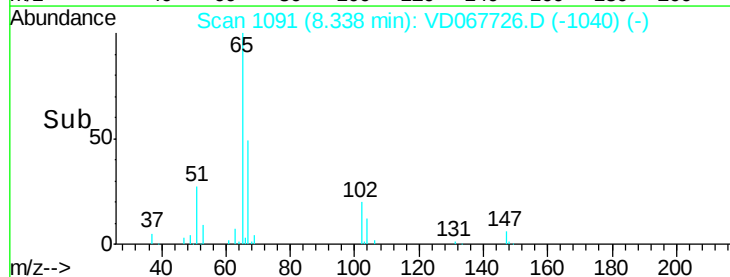
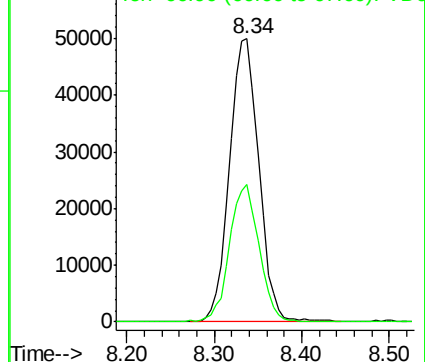
Ion Ratio Lower Upper

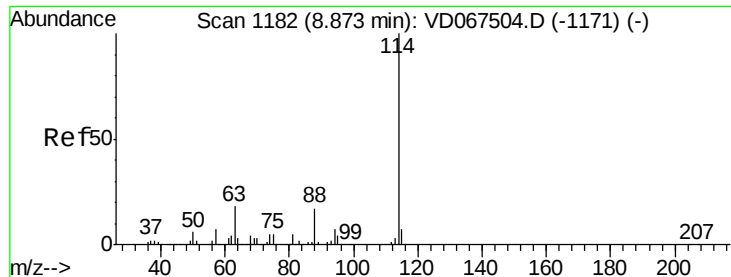
65 100

67 48.8 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: VD067726.D

Acq: 20 Nov 2020 15:53

Instrument :

MSVOA_D

ClientSampleId :

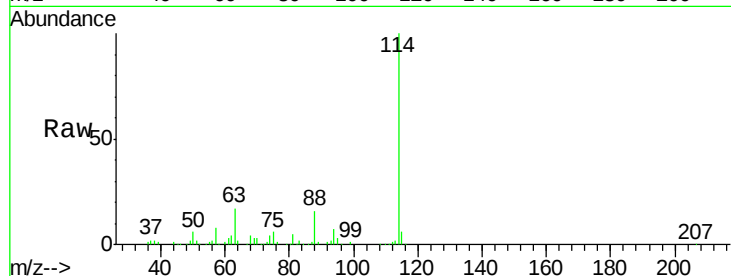
Tot Ion:114 Resp: 405077

Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.0

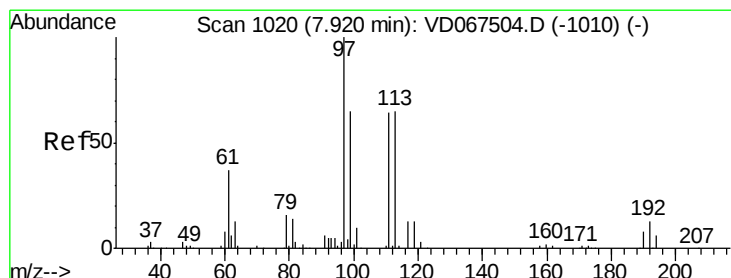
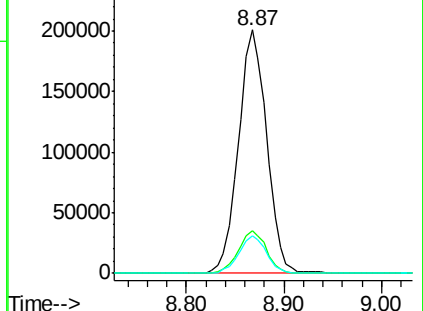
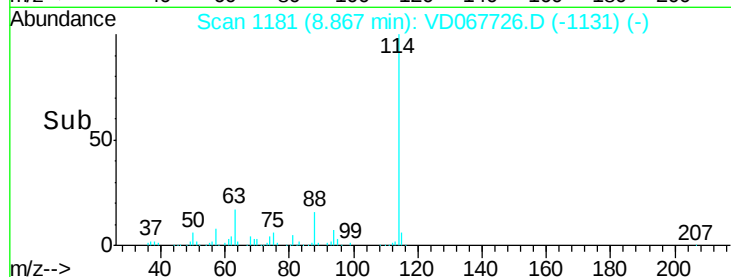
88 15.6 0.0 33.0



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



#35

Dibromofluoromethane

Concen: 49.620 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD067726.D

Acq: 20 Nov 2020 15:53

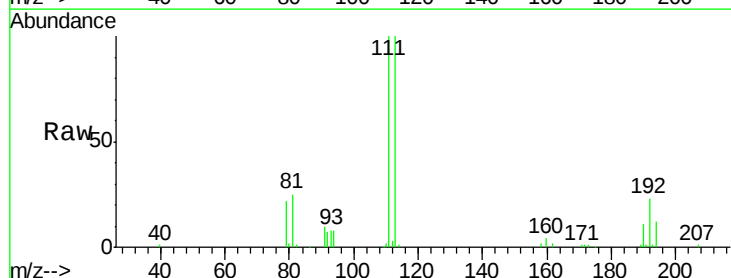
Tgt Ion:113 Resp: 121102

Ion Ratio Lower Upper

113 100

111 101.1 80.0 120.0

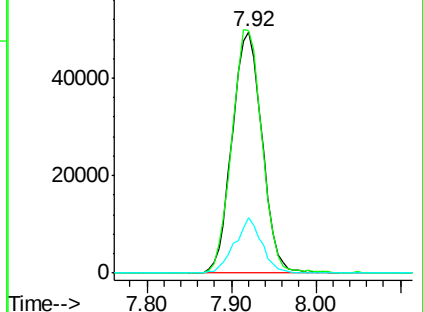
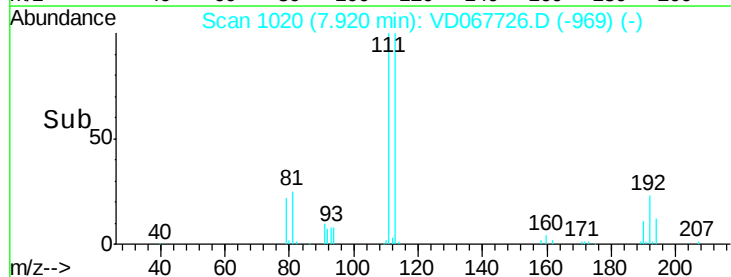
192 20.5 16.3 24.5

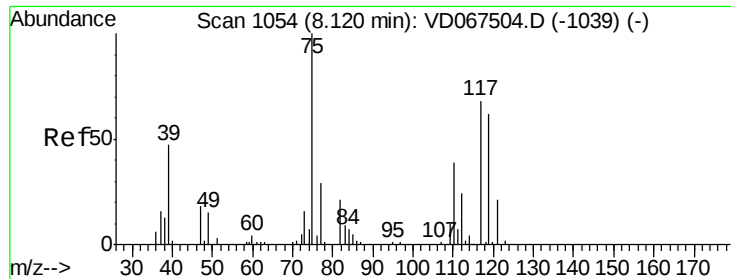


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

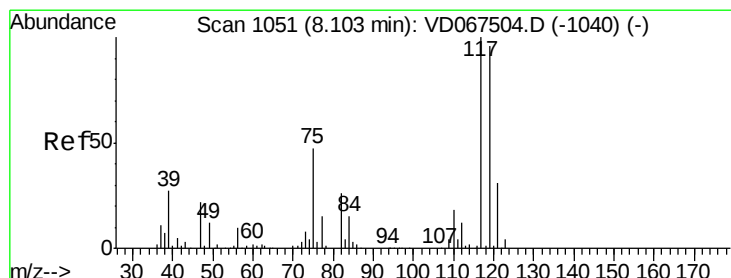
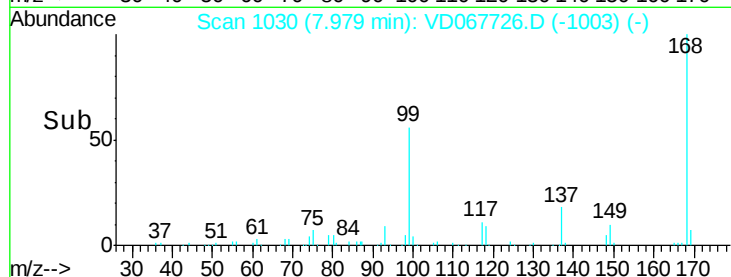
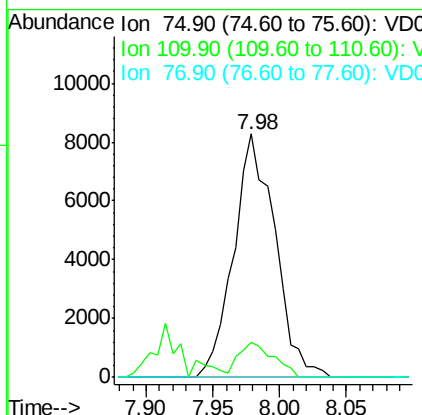
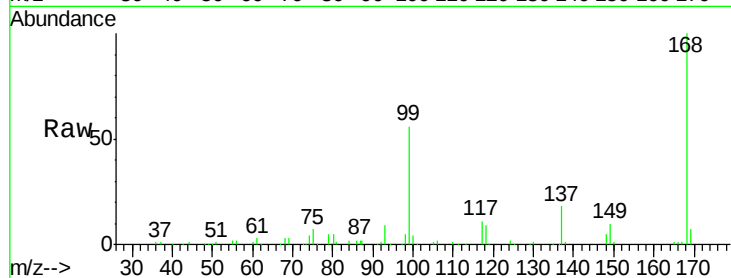




#36
 1,1-Dichloropropene
 Concen: 5.126 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067726.D
 Acq: 20 Nov 2020 15:53

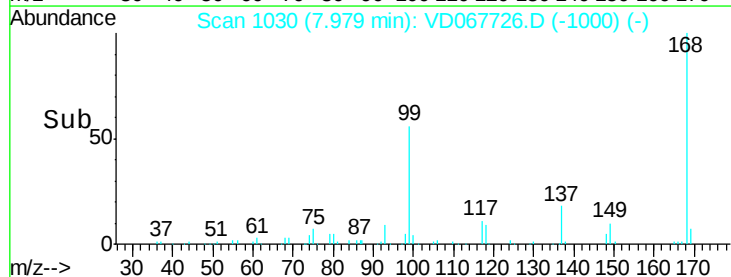
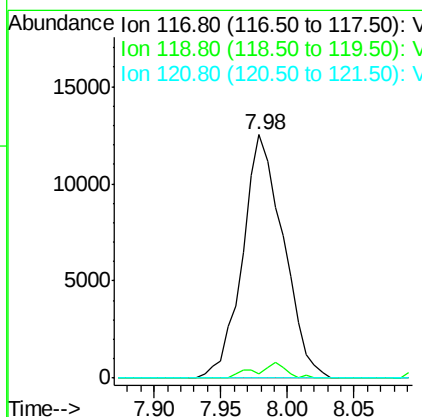
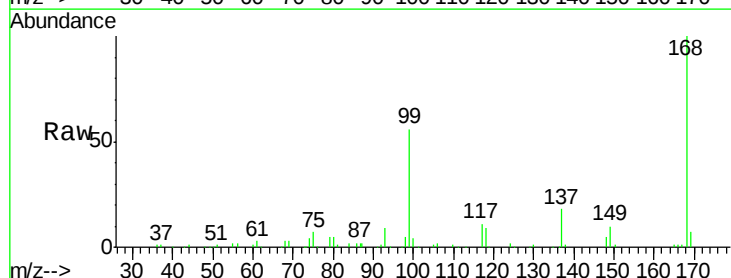
Instrument :
 MSVOA_D
 ClientSampled :

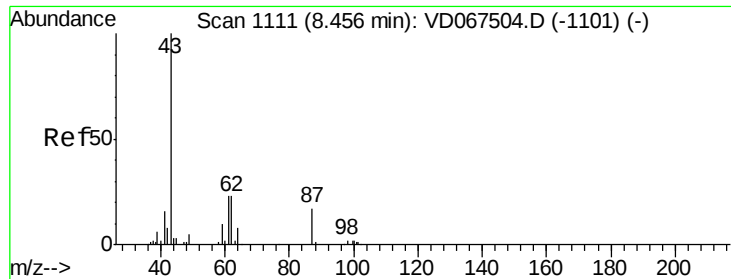
Tot Ion: 75 Resp: 17775
 Ion Ratio Lower Upper
 75 100
 110 12.2 19.9 59.7#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 5.880 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD067726.D
 Acq: 20 Nov 2020 15:53

Tgt Ion: 117 Resp: 26492
 Ion Ratio Lower Upper
 117 100
 119 2.0 76.9 115.3#
 121 0.0 24.5 36.7#





#43

Isopropyl Acetate

Concen: 1.059 ug/l

RT: 8.30 min Scan# 1084

Delta R.T. -0.16 min

Lab File: VD067726.D

Acq: 20 Nov 2020 15:53

Instrument :

MSVOA_D

ClientSampled :

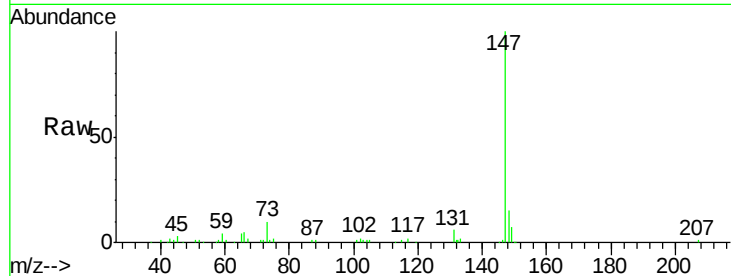
Tot Ion: 43 Resp: 1885

Ion Ratio Lower Upper

43 100

61 4.8 30.5 45.7#

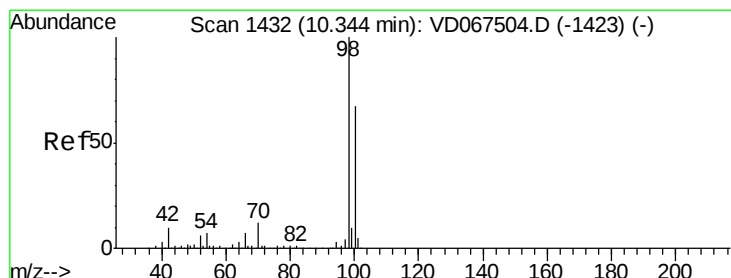
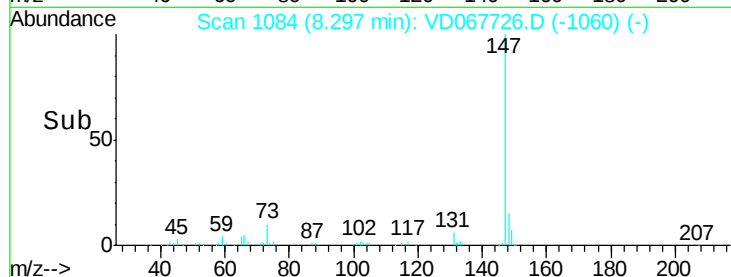
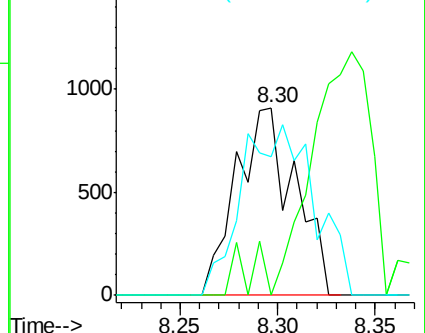
87 53.4 14.7 22.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#50

Toluene-d8

Concen: 54.542 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067726.D

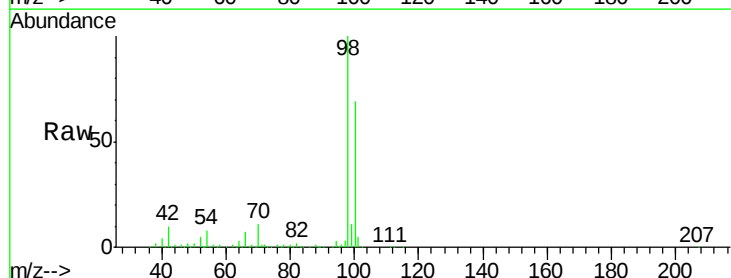
Acq: 20 Nov 2020 15:53

Tgt Ion: 98 Resp: 467797

Ion Ratio Lower Upper

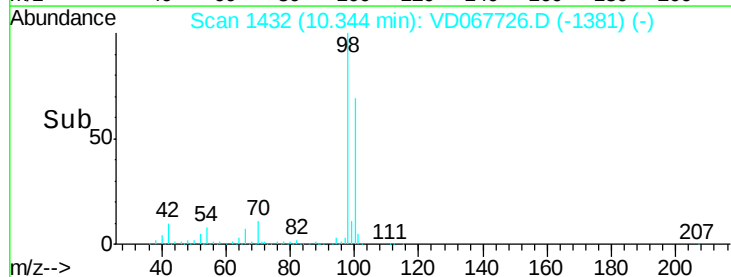
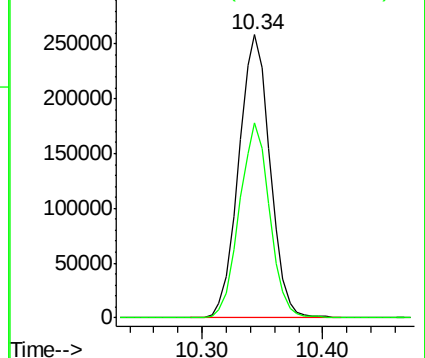
98 100

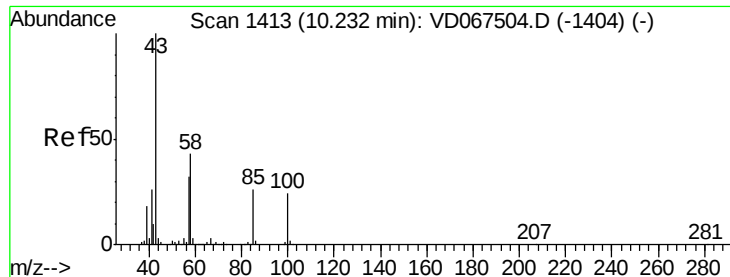
100 67.1 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 2.108 ug/l

RT: 10.35 min Scan# 1433

Delta R.T. 0.12 min

Lab File: VD067726.D

Acq: 20 Nov 2020 15:53

Instrument :

MSVOA_D

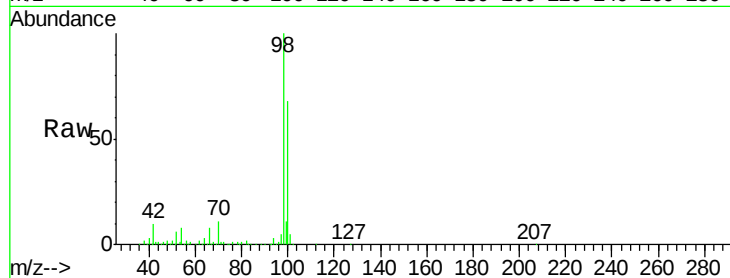
ClientSampleId :

Tot Ion: 43 Resp: 1795

Ion Ratio Lower Upper

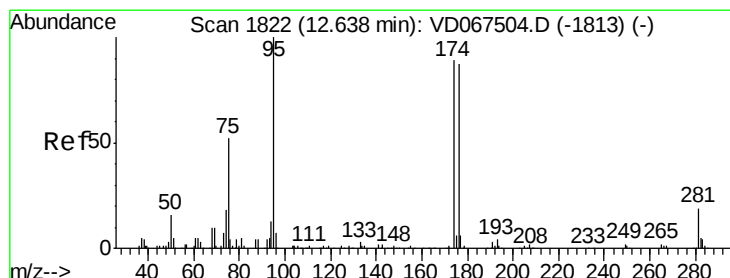
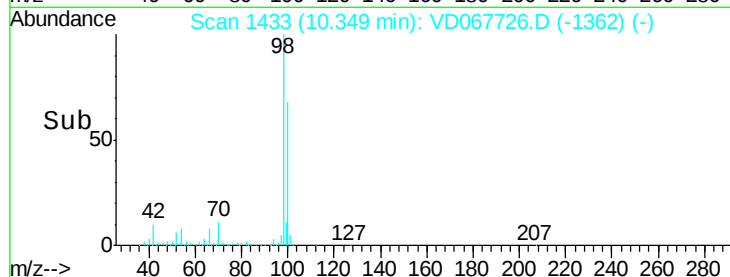
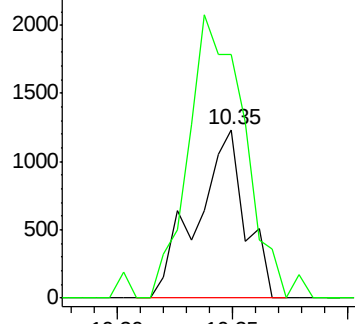
43 100

58 196.3 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: 65.299 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067726.D

Acq: 20 Nov 2020 15:53

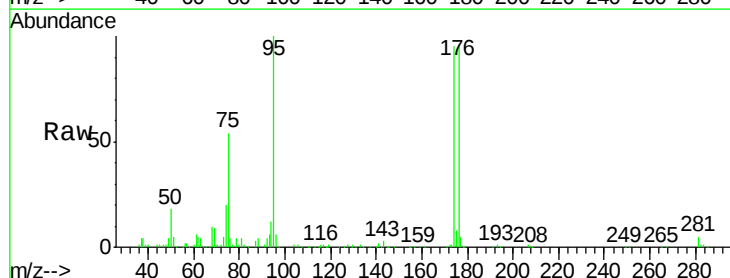
Tgt Ion: 95 Resp: 193358

Ion Ratio Lower Upper

95 100

174 91.9 0.0 177.8

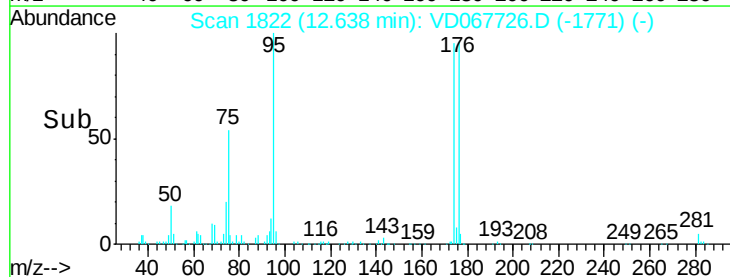
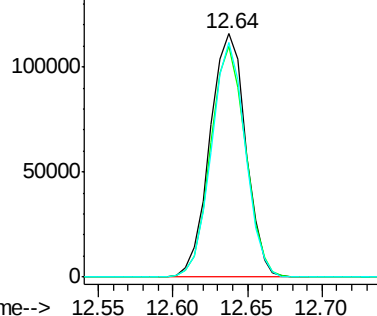
176 90.8 0.0 172.0

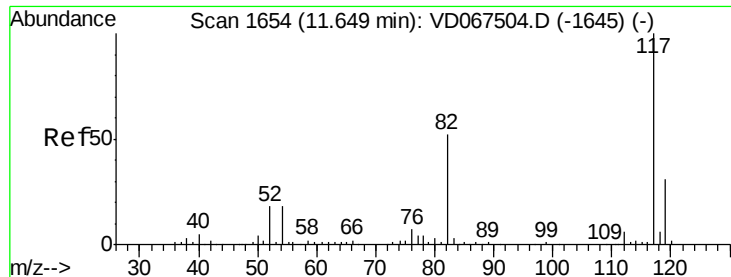


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

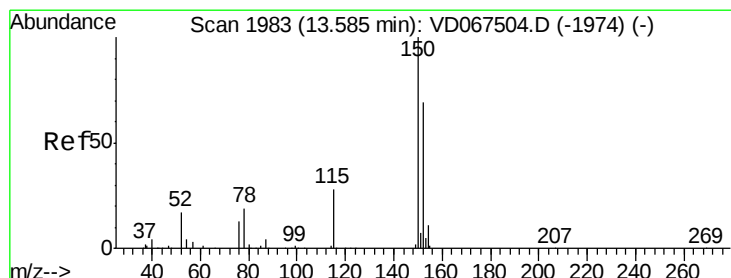
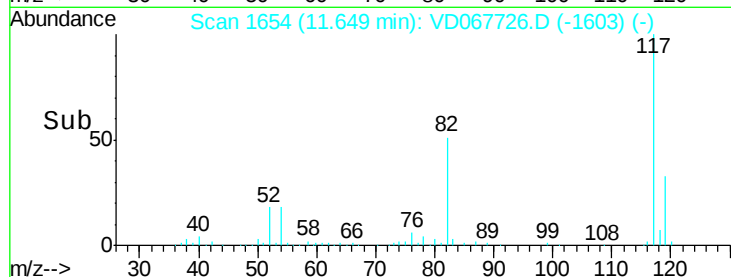
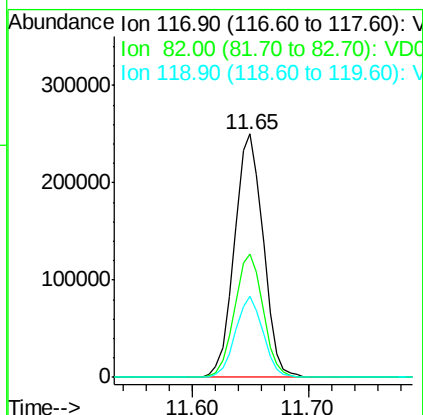
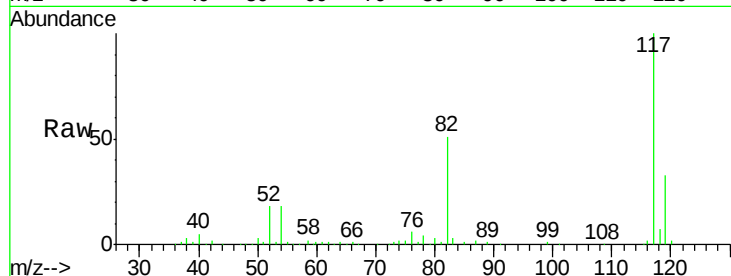




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067726.D
Acq: 20 Nov 2020 15:53

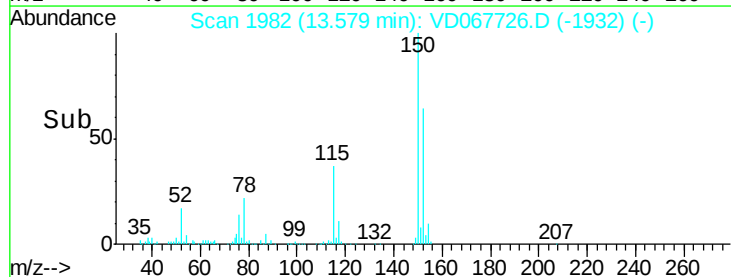
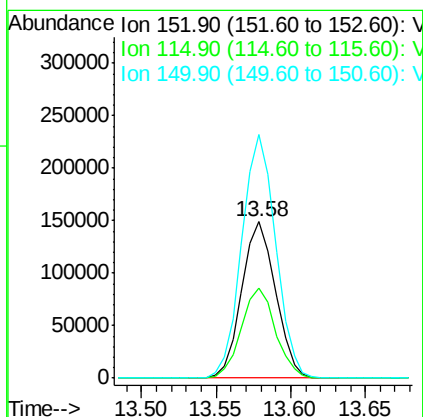
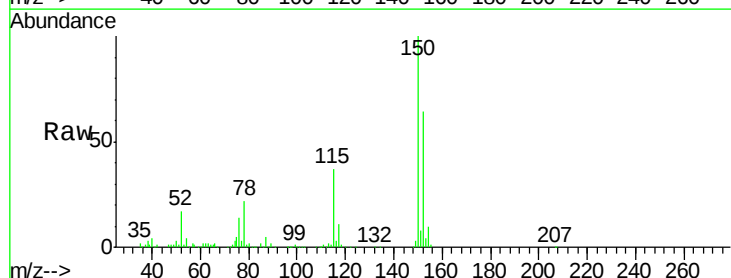
Instrument :
MSVOA_D
ClientSampleId :

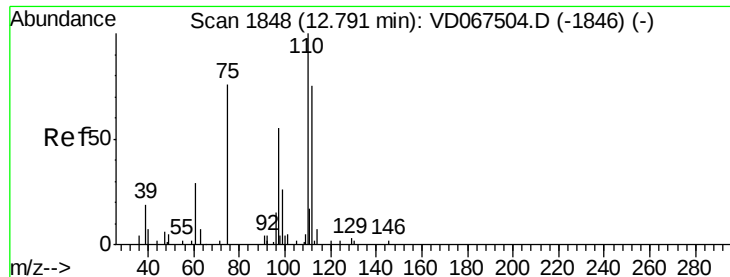
Tot Ion:117 Resp: 431081
Ion Ratio Lower Upper
117 100
82 50.7 41.6 62.4
119 33.2 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067726.D
Acq: 20 Nov 2020 15:53

Tgt Ion:152 Resp: 234870
Ion Ratio Lower Upper
152 100
115 58.1 29.3 88.0
150 155.7 0.0 338.2





#76

1,2,3-Trichloropropane

Concen: 71.311 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067726.D

Acq: 20 Nov 2020 15:53

Instrument :

MSVOA_D

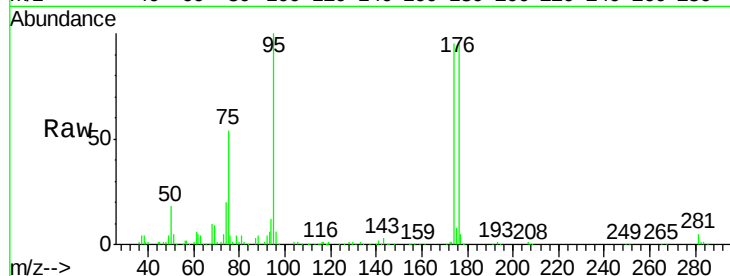
ClientSampleId :

Tot Ion: 75 Resp: 101038

Ion Ratio Lower Upper

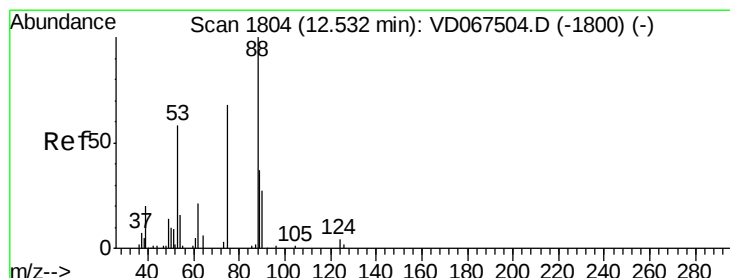
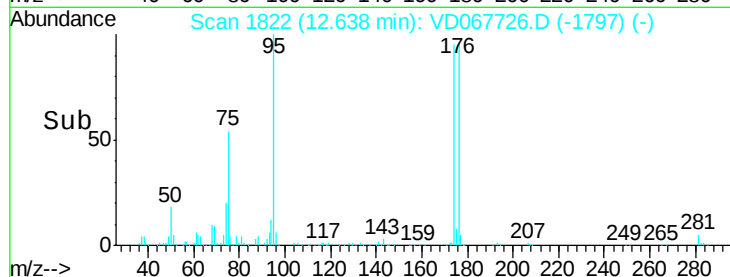
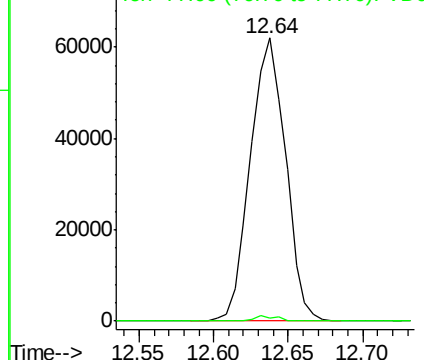
75 100

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: 144.780 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067726.D

Acq: 20 Nov 2020 15:53

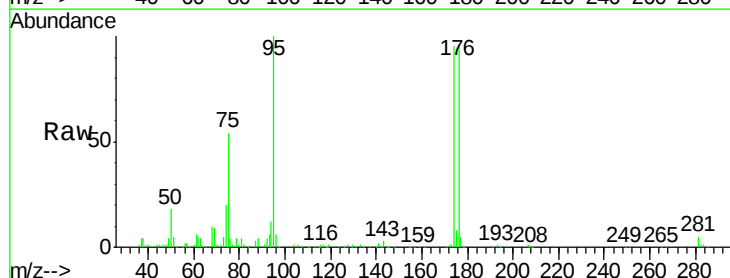
Tgt Ion: 75 Resp: 101038

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

