

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110920\
 Data File : VD067560.D
 Acq On : 09 Nov 2020 12:39
 Operator : VA/SY
 Sample : L4669-01
 Misc : 4.56G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 10 00:19:24 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	82076	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	126509	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	141179	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	76532	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	55942	77.95	ug/l	0.00
Spiked Amount			Recovery	=	155.90%	
35) Dibromofluoromethane	7.91	113	46972	61.63	ug/l	0.00
Spiked Amount			Recovery	=	123.26%	
50) Toluene-d8	10.34	98	151780	56.66	ug/l	0.00
Spiked Amount			Recovery	=	113.32%	
62) 4-Bromofluorobenzene	12.63	95	60313	65.22	ug/l	0.00
Spiked Amount			Recovery	=	130.44%	

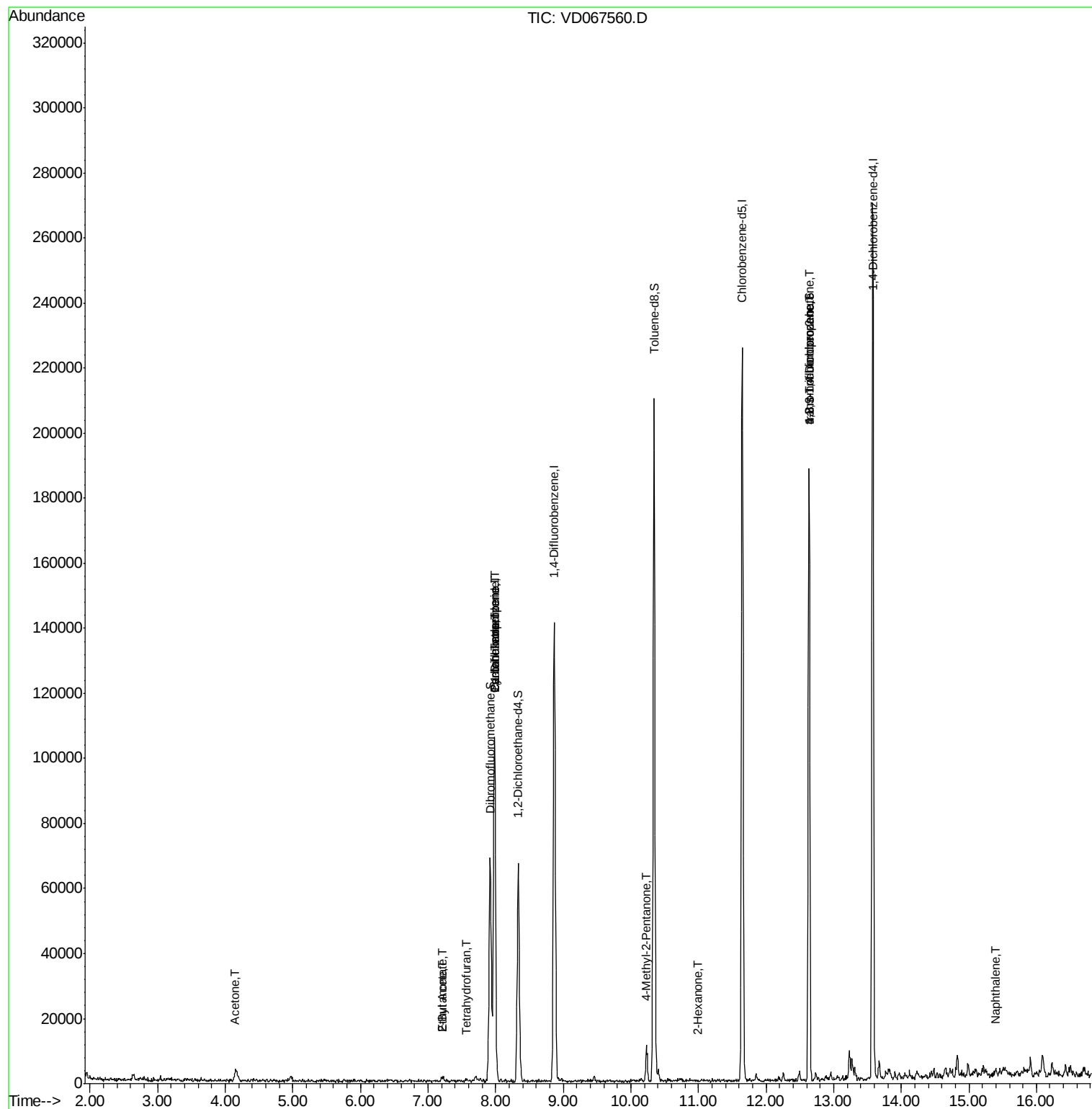
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.23	59	55	Below Cal	#	79
16) Acetone	4.15	43	7294	67.918	ug/l	93
25) 2-Butanone	7.21	43	1731	15.084	ug/l #	66
29) Tetrahydrofuran	7.57	42	299	4.350	ug/l #	58
31) Cyclohexane	7.98	56	1626	1.562	ug/l #	8
36) 1,1-Dichloropropene	7.98	75	5683	5.248	ug/l #	49
37) Ethyl Acetate	7.21	43	1731	6.157	ug/l #	63
38) Carbon Tetrachloride	7.98	117	7724	5.490	ug/l #	16
51) 4-Methyl-2-Pentanone	10.23	43	6280	23.617	ug/l	95
59) 2-Hexanone	10.99	43	255	1.372	ug/l #	20
76) 1,2,3-Trichloropropane	12.64	75	31392	67.995	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	31392	138.047	ug/l #	10
95) Naphthalene	15.40	128	2225	1.059	ug/l #	79

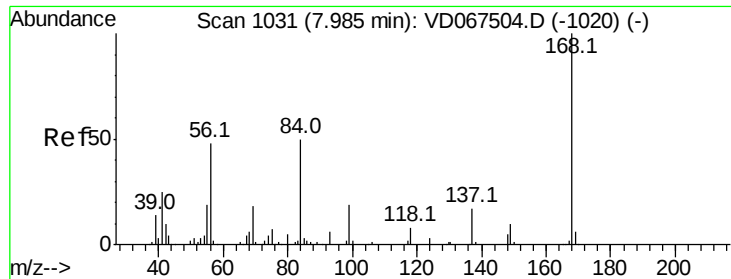
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD110920\
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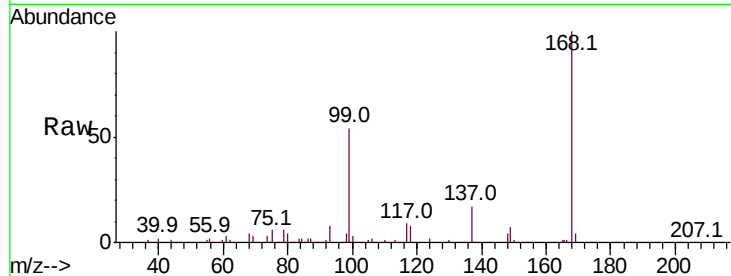


#1

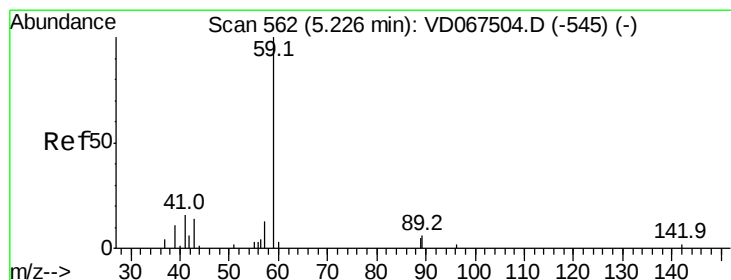
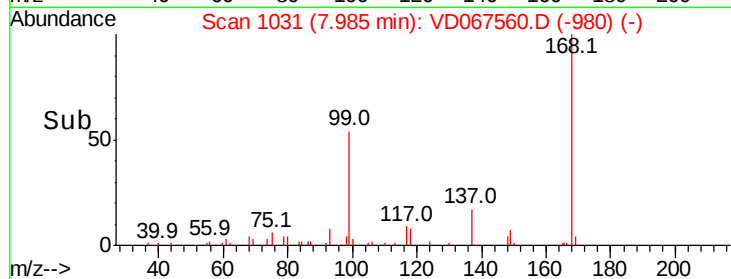
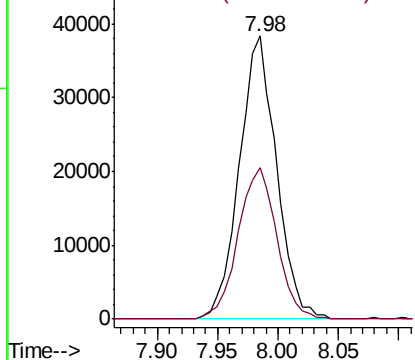
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VD067560.D
 Acq: 09 Nov 2020 12:39

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:168 Resp: 82076
 Ion Ratio Lower Upper
 168 100
 99 53.7 45.0 67.6



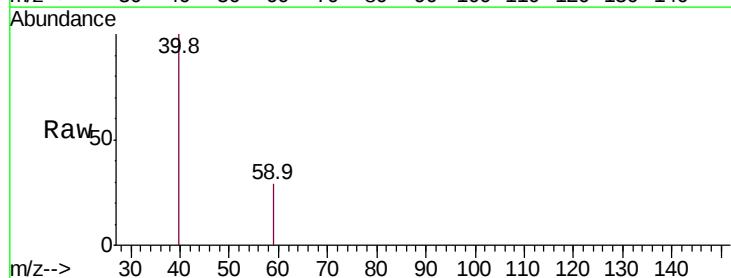
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.90 (98.60 to 99.60): VDC



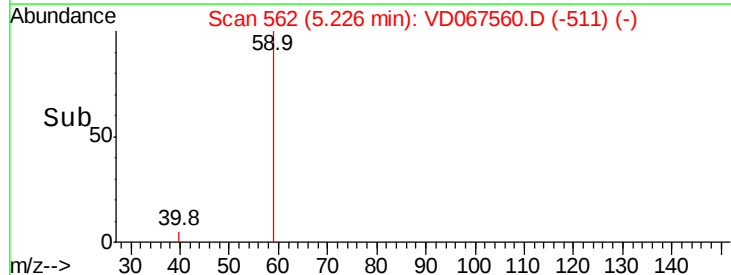
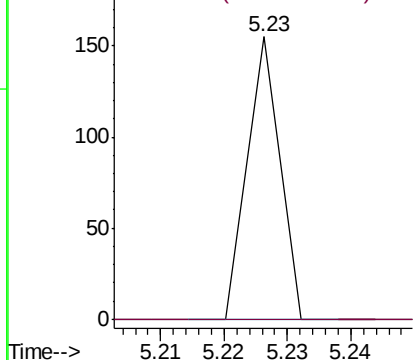
#11

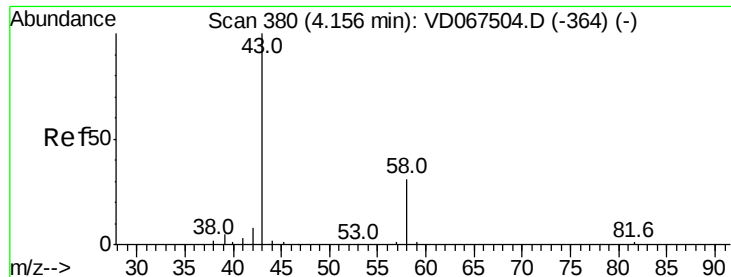
Tert butyl alcohol
 Concen: Below Cal
 RT: 5.23 min Scan# 562
 Delta R.T. 0.00 min
 Lab File: VD067560.D
 Acq: 09 Nov 2020 12:39

Tgt Ion: 59 Resp: 55
 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: 67.918 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD067560.D

Acq: 09 Nov 2020 12:39

Instrument :

MSVOA_D

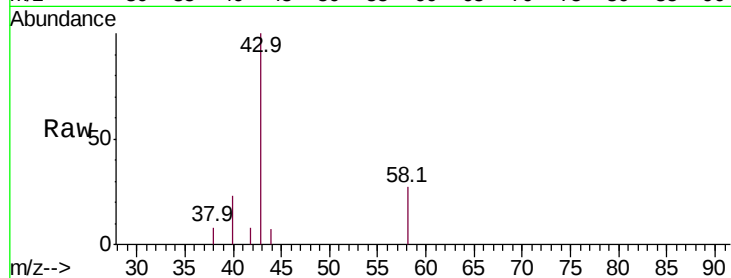
ClientSampled :

Tot Ion: 43 Resp: 7294

Ion Ratio Lower Upper

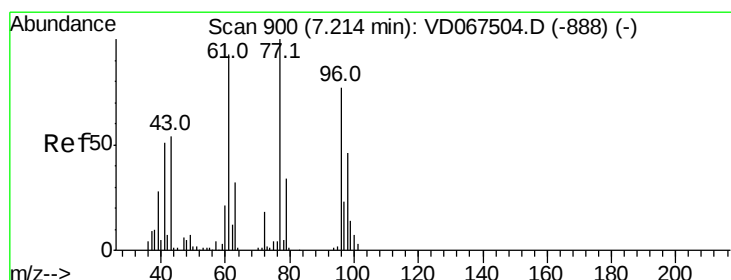
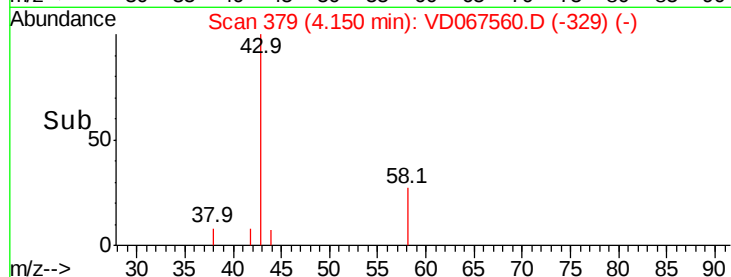
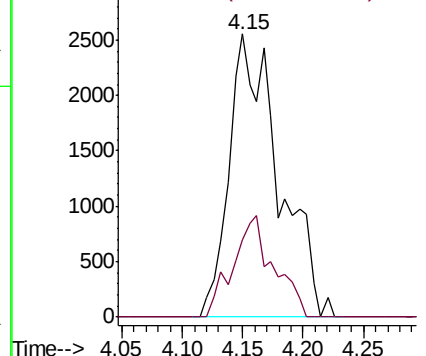
43 100

58 27.4 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#25

2-Butanone

Concen: 15.084 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067560.D

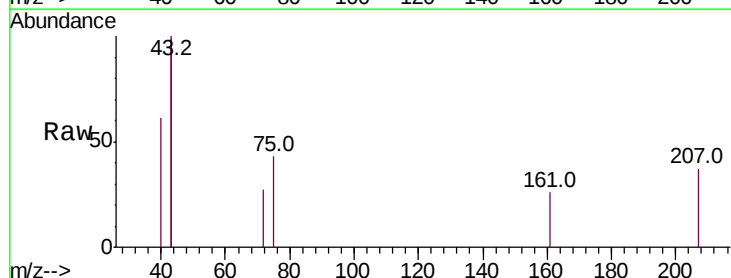
Acq: 09 Nov 2020 12:39

Tgt Ion: 43 Resp: 1731

Ion Ratio Lower Upper

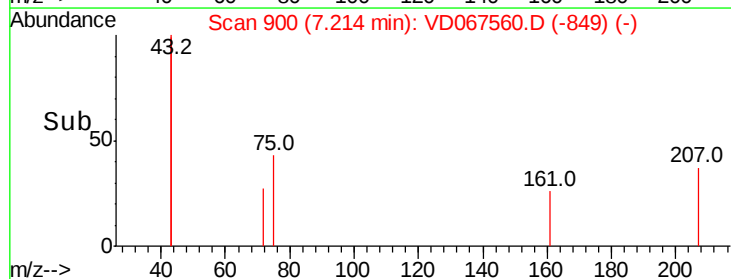
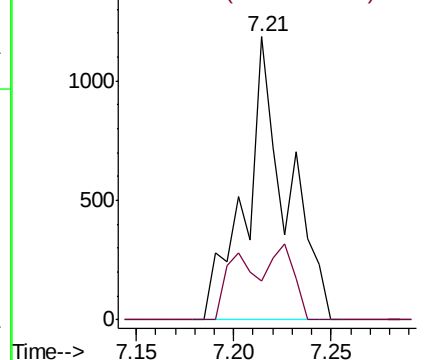
43 100

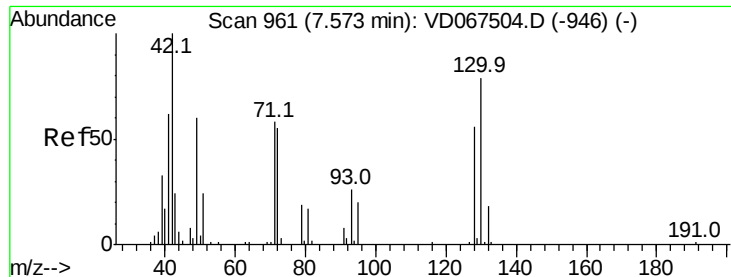
72 13.7 26.4 39.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC





#29

Tetrahydrofuran

Concen: 4.350 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD067560.D

Acq: 09 Nov 2020 12:39

Instrument :

MSVOA_D

ClientSampleId :

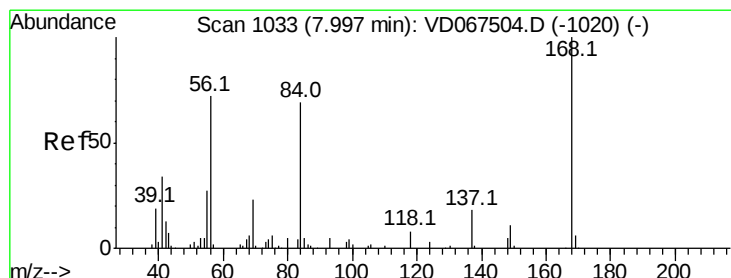
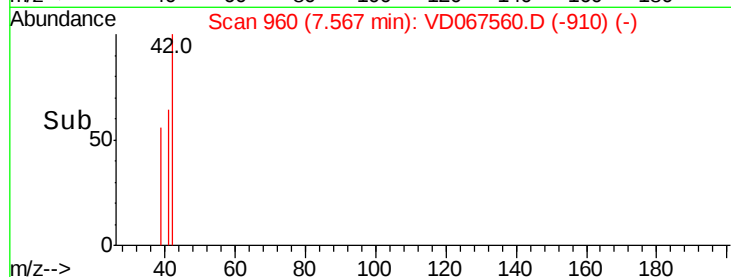
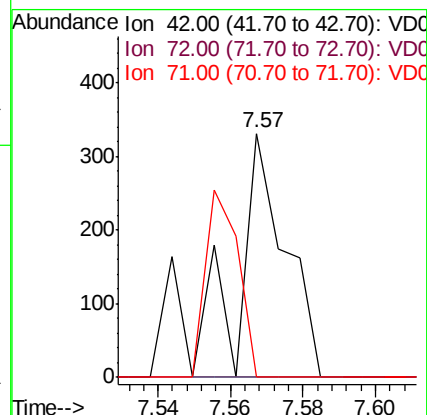
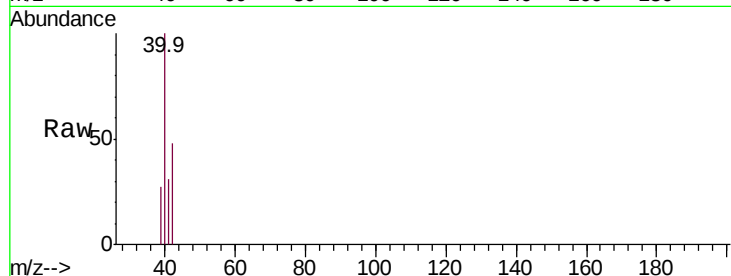
Tot Ion: 42 Resp: 299

Ion Ratio Lower Upper

42 100

72 0.0 46.3 69.5#

71 52.5 44.0 66.0



#31

Cyclohexane

Concen: 1.562 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VD067560.D

Acq: 09 Nov 2020 12:39

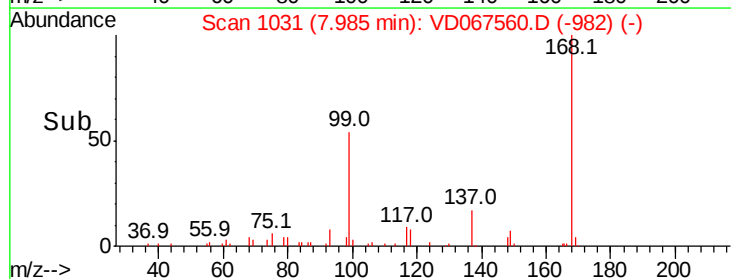
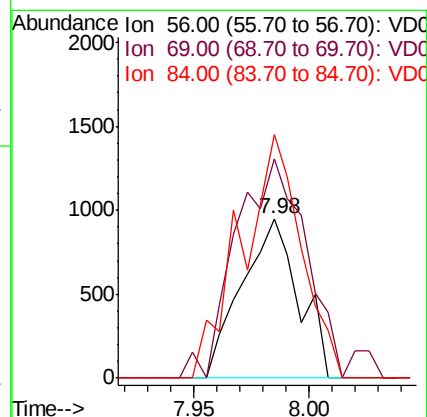
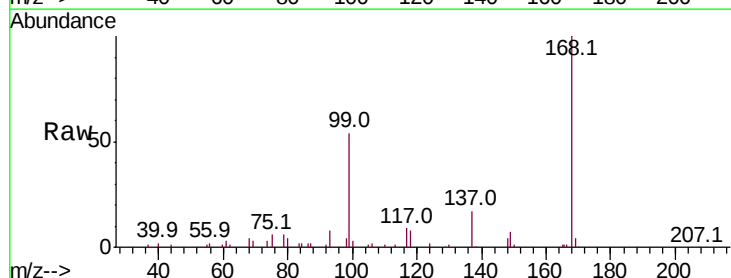
Tgt Ion: 56 Resp: 1626

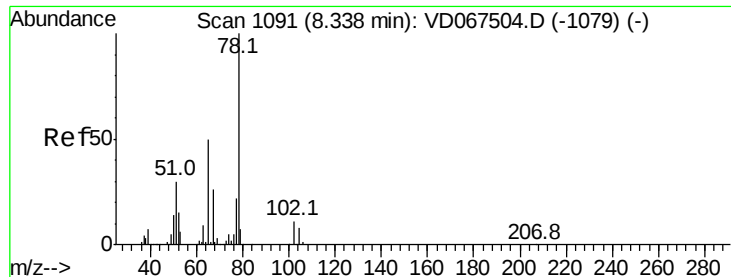
Ion Ratio Lower Upper

56 100

69 137.6 25.9 38.9#

84 152.7 76.2 114.4#





#33

1,2-Dichloroethane-d4

Concen: 77.950 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067560.D

Acq: 09 Nov 2020 12:39

Instrument :

MSVOA_D

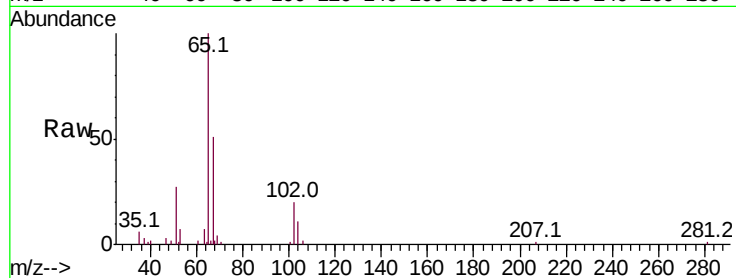
ClientSampleId :

Tot Ion: 65 Resp: 55942

Ion Ratio Lower Upper

65 100

67 51.2 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

25000

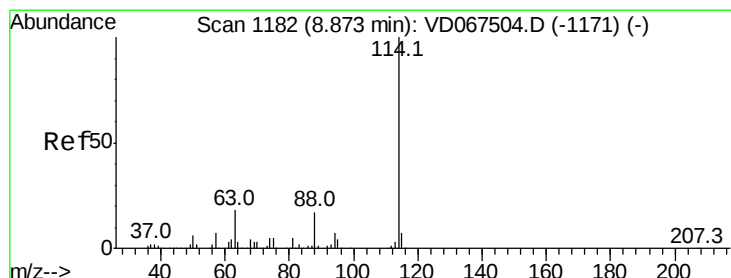
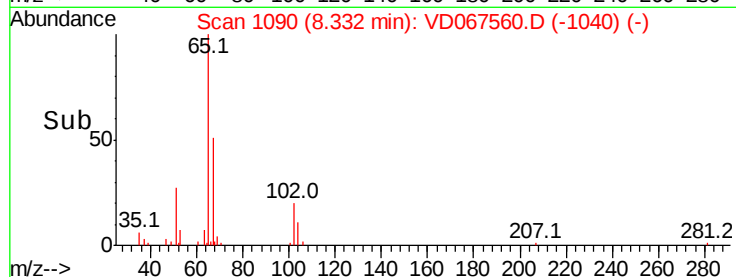
20000

15000

10000

5000

Time--> 8.25 8.30 8.35 8.40 8.45



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VD067560.D

Acq: 09 Nov 2020 12:39

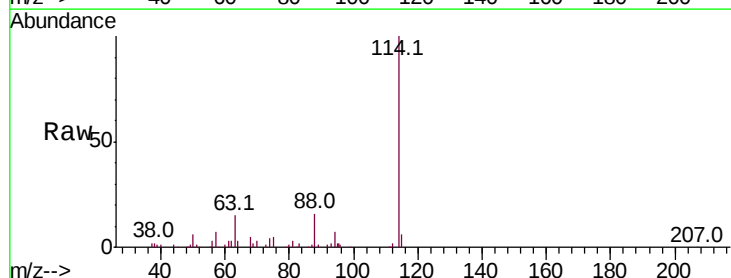
Tgt Ion: 114 Resp: 126509

Ion Ratio Lower Upper

114 100

63 15.3 0.0 35.0

88 15.8 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

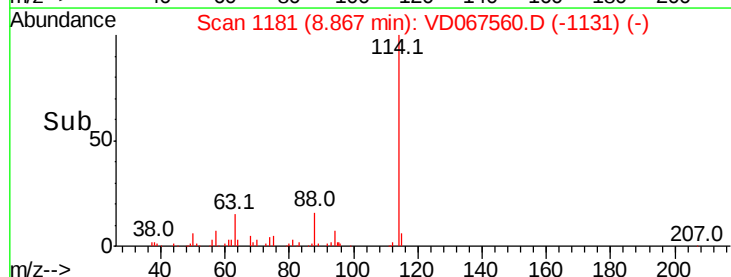
80000

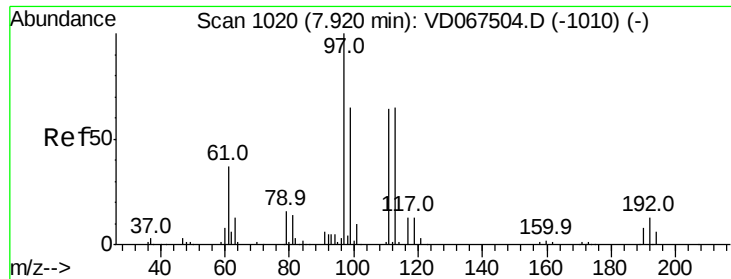
60000

40000

20000

Time--> 8.80 8.90 9.00

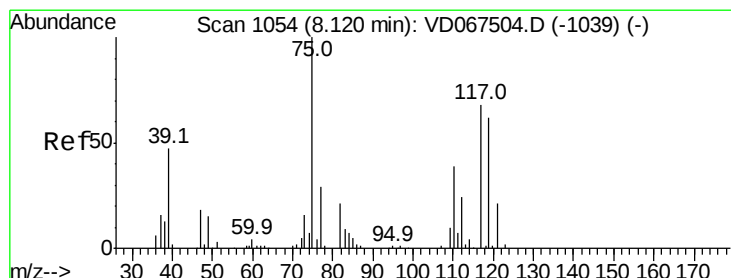
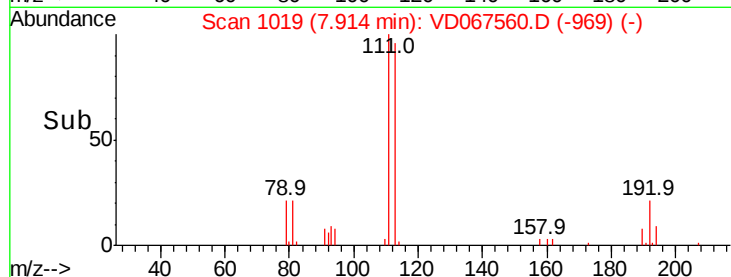
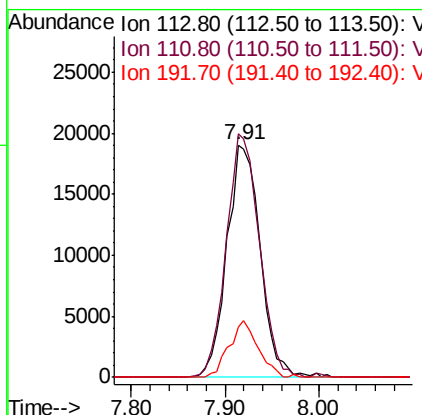
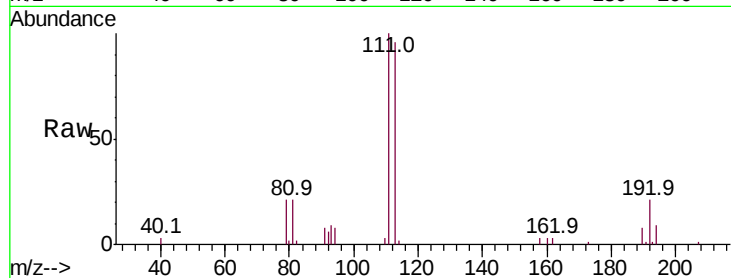




#35
 Dibromofluoromethane
 Concen: 61.626 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD067560.D
 Acq: 09 Nov 2020 12:39

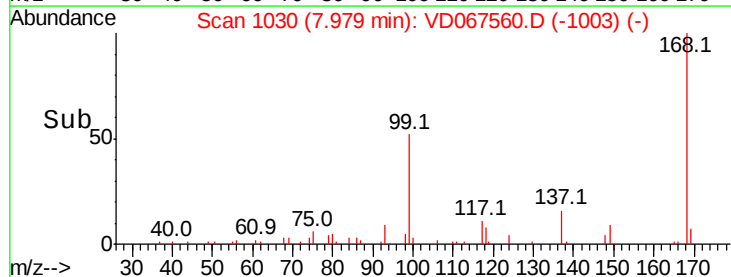
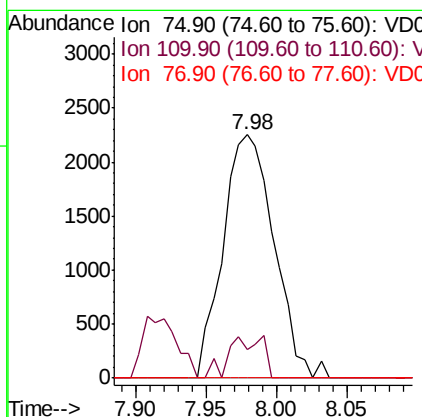
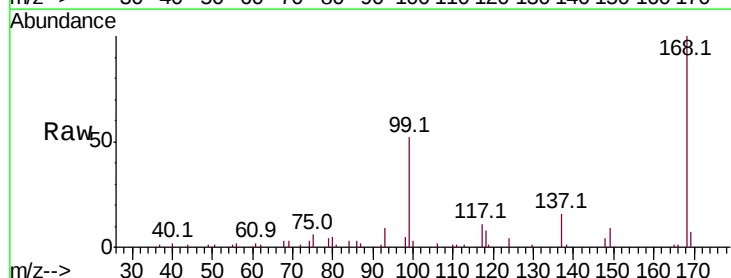
Instrument :
 MSVOA_D
 ClientSampled :

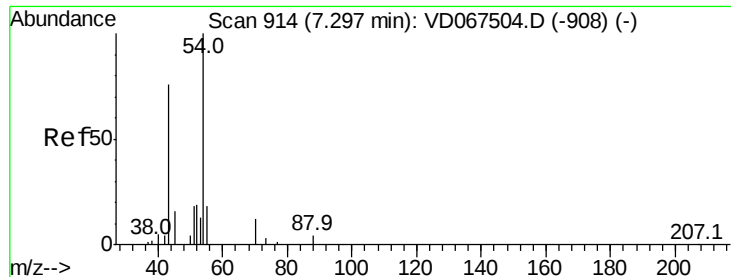
Tot Ion:113 Resp: 46972
 Ion Ratio Lower Upper
 113 100
 111 103.6 80.0 120.0
 192 21.1 16.3 24.5



#36
 1,1-Dichloropropene
 Concen: 5.248 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067560.D
 Acq: 09 Nov 2020 12:39

Tgt Ion: 75 Resp: 5683
 Ion Ratio Lower Upper
 75 100
 110 11.3 19.9 59.7#
 77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 6.157 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.08 min

Lab File: VD067560.D

Acq: 09 Nov 2020 12:39

Instrument :

MSVOA_D

ClientSampleId :

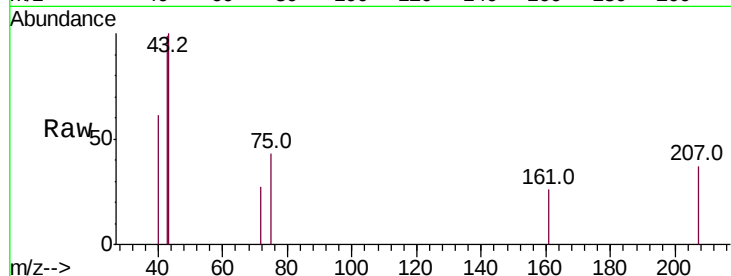
Tot Ion: 43 Resp: 1731

Ion Ratio Lower Upper

43 100

61 0.0 12.8 19.2#

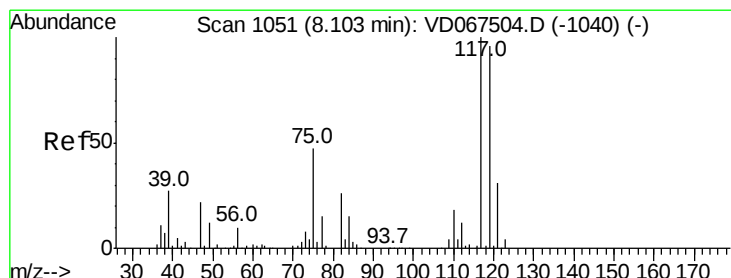
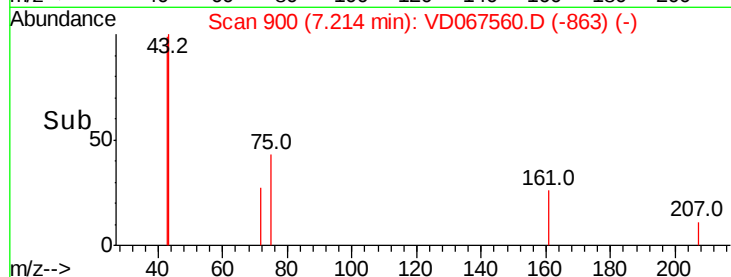
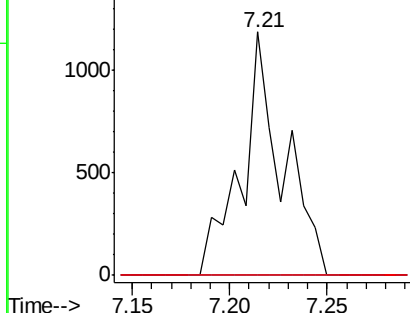
70 0.0 11.7 17.5#



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: 5.490 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067560.D

Acq: 09 Nov 2020 12:39

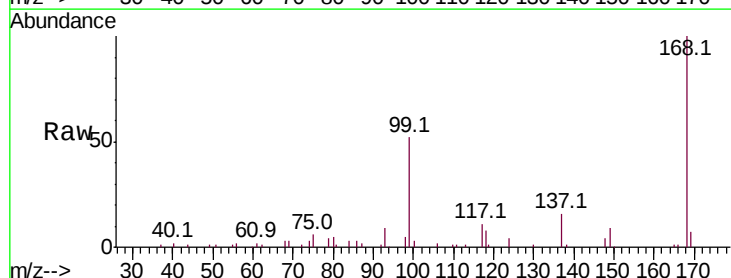
Tgt Ion: 117 Resp: 7724

Ion Ratio Lower Upper

117 100

119 4.8 76.9 115.3#

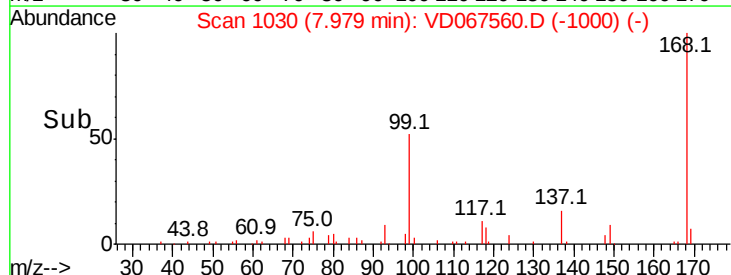
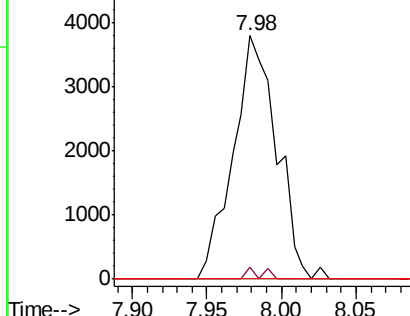
121 0.0 24.5 36.7#

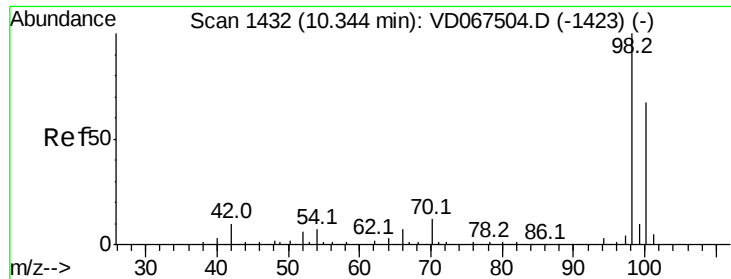


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 56.664 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067560.D

Acq: 09 Nov 2020 12:39

Instrument :

MSVOA_D

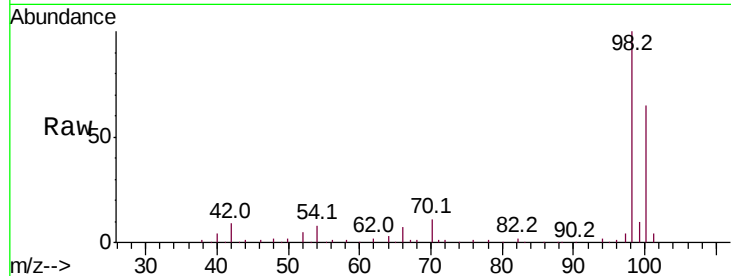
ClientSampleId :

Tot Ion: 98 Resp: 151780

Ion Ratio Lower Upper

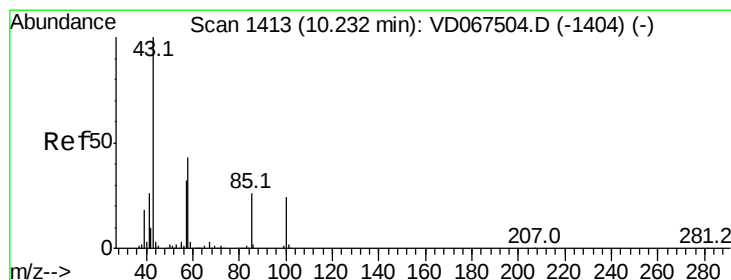
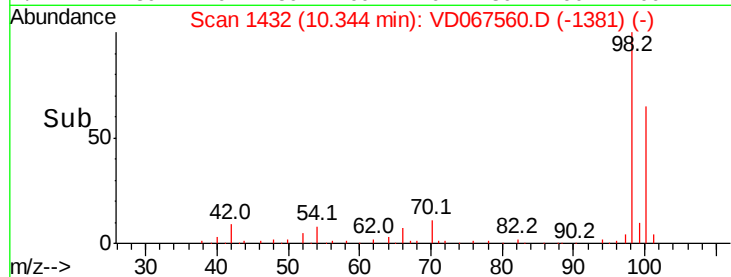
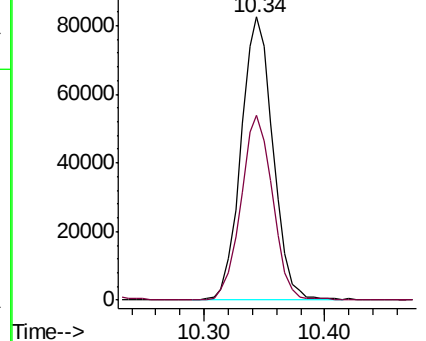
98 100

100 64.6 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: 23.617 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD067560.D

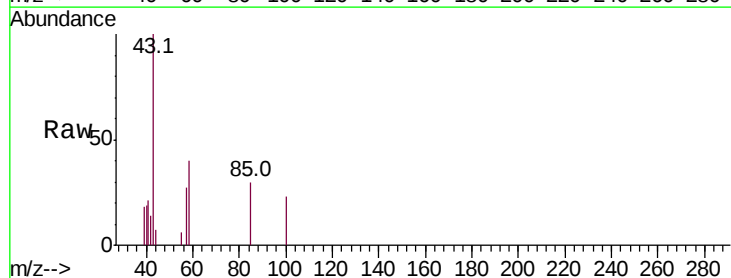
Acq: 09 Nov 2020 12:39

Tgt Ion: 43 Resp: 6280

Ion Ratio Lower Upper

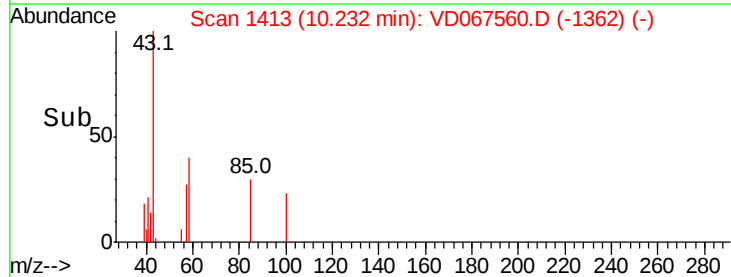
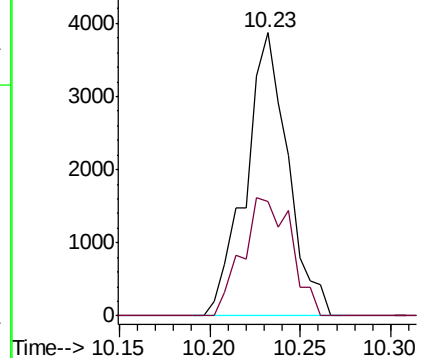
43 100

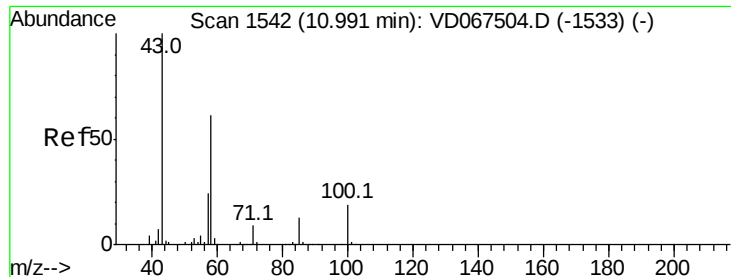
58 48.0 35.6 53.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

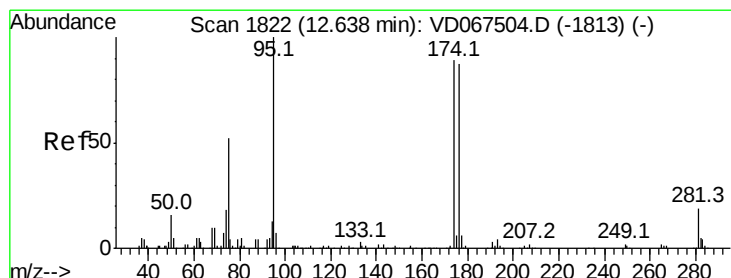
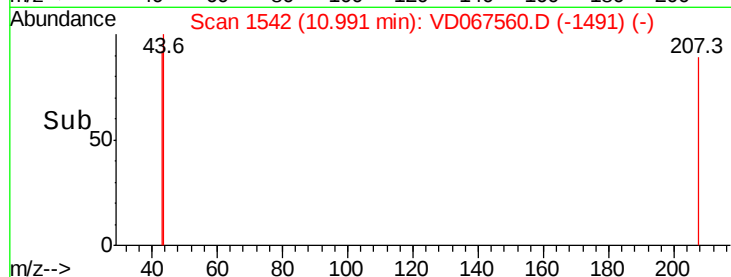
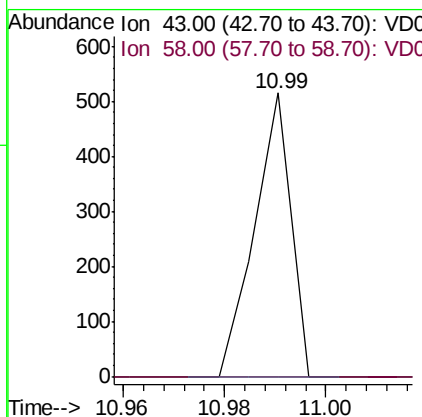
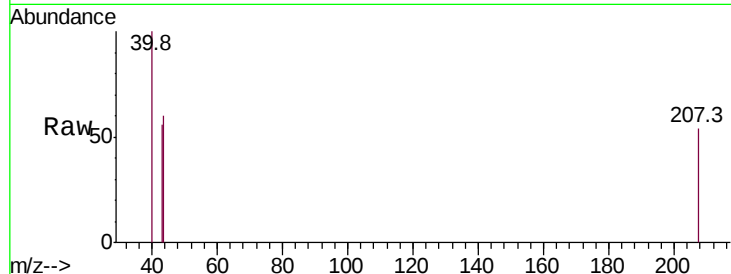




#59
2-Hexanone
Concen: 1.372 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD067560.D
Acq: 09 Nov 2020 12:39

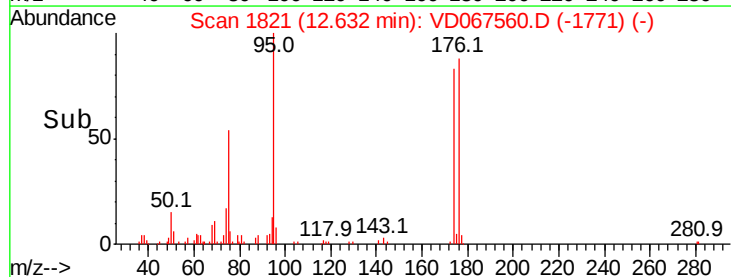
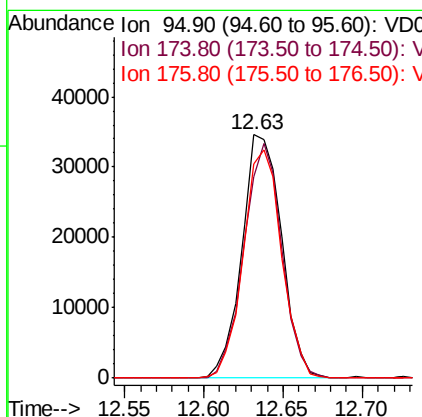
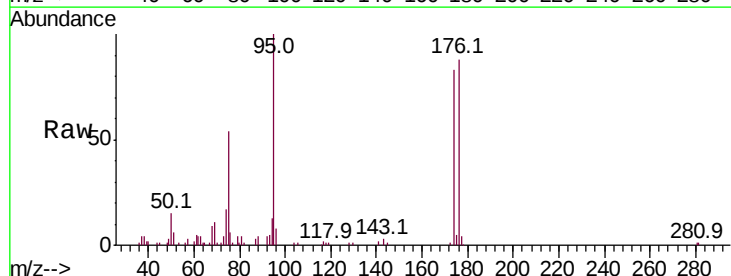
Instrument :
MSVOA_D
ClientSampled :

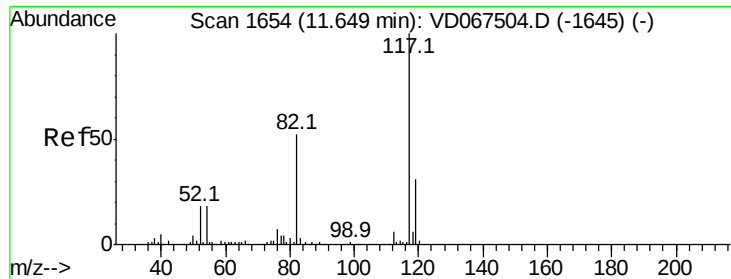
Tot Ion: 43 Resp: 255
Ion Ratio Lower Upper
43 100
58 0.0 30.3 90.9#



#62
4-Bromofluorobenzene
Concen: 65.219 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VD067560.D
Acq: 09 Nov 2020 12:39

Tgt Ion: 95 Resp: 60313
Ion Ratio Lower Upper
95 100
174 91.7 0.0 177.8
176 90.6 0.0 172.0

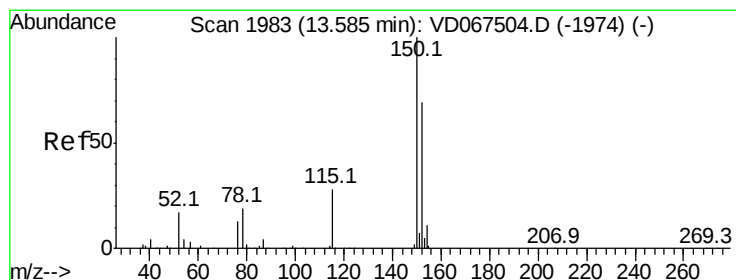
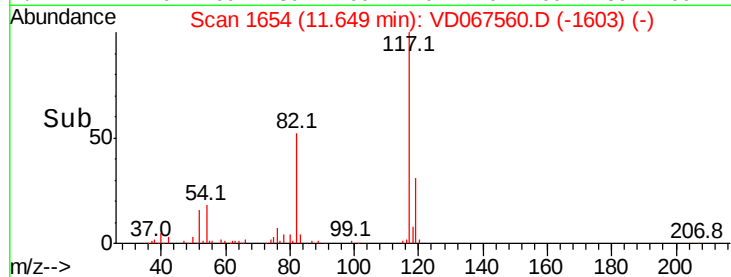
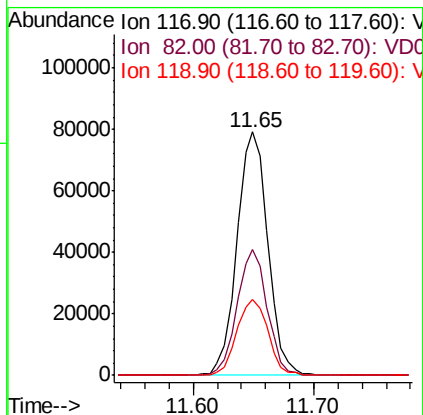
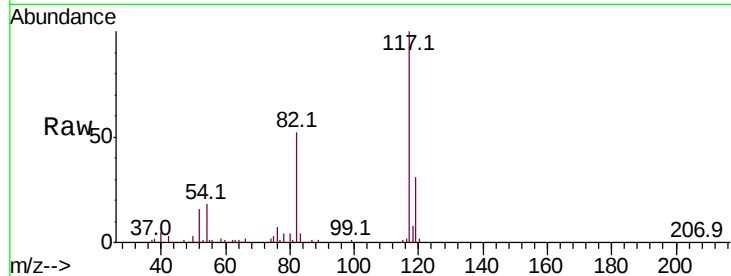




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067560.D
Acq: 09 Nov 2020 12:39

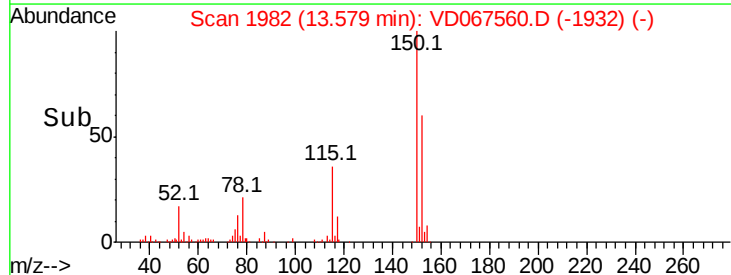
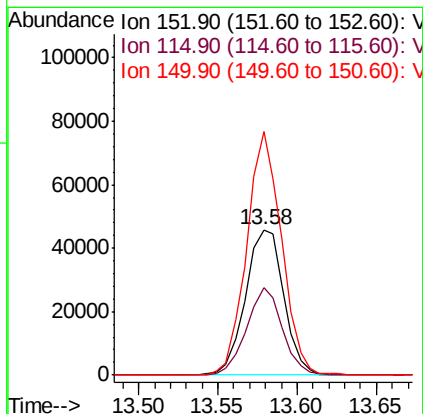
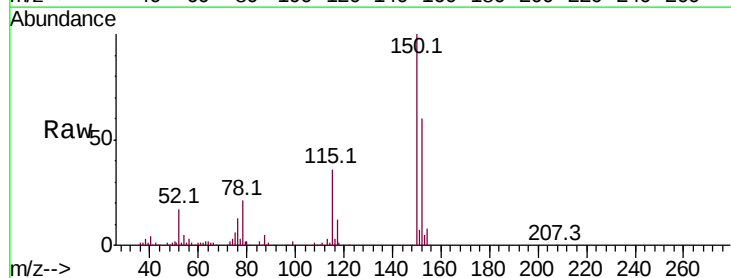
Instrument :
MSVOA_D
ClientSampleId :

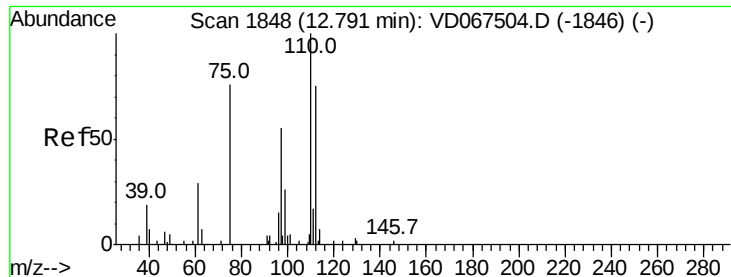
Tot Ion:117 Resp: 141179
Ion Ratio Lower Upper
117 100
82 51.9 41.6 62.4
119 31.3 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067560.D
Acq: 09 Nov 2020 12:39

Tgt Ion:152 Resp: 76532
Ion Ratio Lower Upper
152 100
115 56.1 29.3 88.0
150 153.1 0.0 338.2





#76

1,2,3-Trichloropropane

Concen: 67.995 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067560.D

Acq: 09 Nov 2020 12:39

Instrument :

MSVOA_D

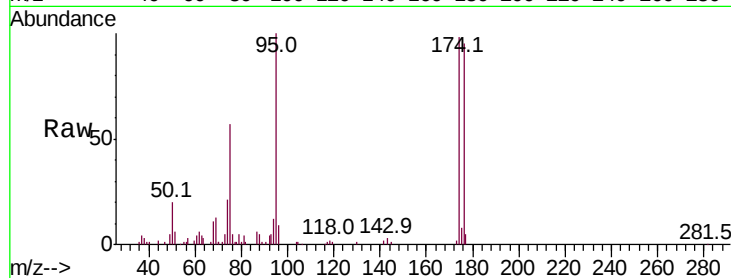
ClientSampleId :

Tot Ion: 75 Resp: 31392

Ion Ratio Lower Upper

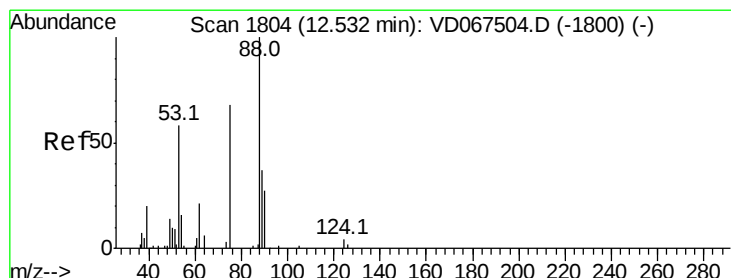
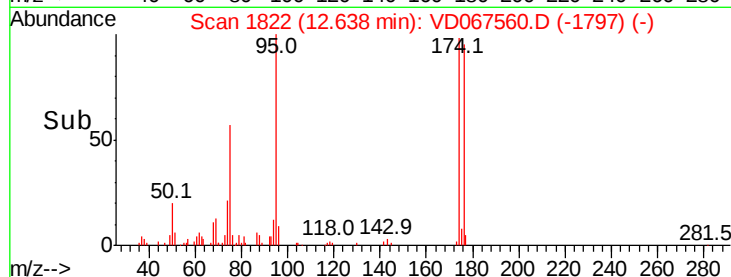
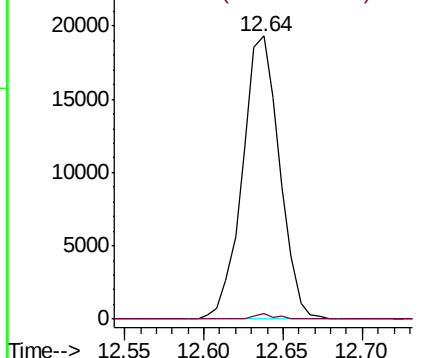
75 100

77 1.1 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: 138.047 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067560.D

Acq: 09 Nov 2020 12:39

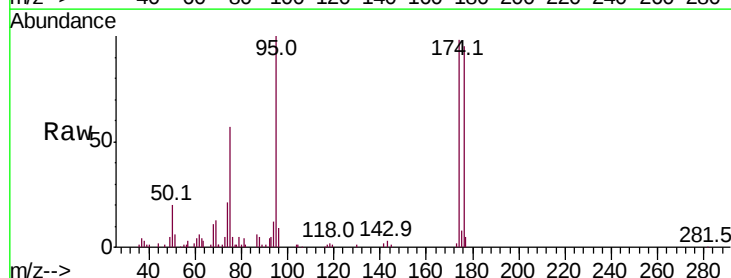
Tgt Ion: 75 Resp: 31392

Ion Ratio Lower Upper

75 100

53 0.4 75.9 113.9#

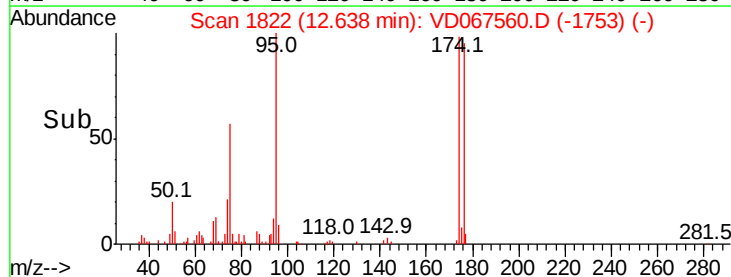
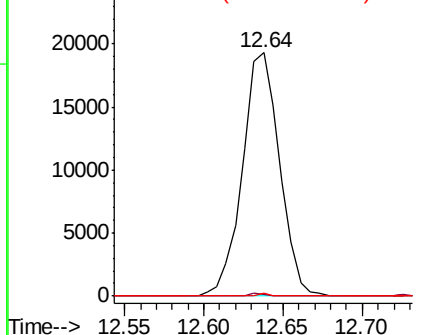
89 0.3 44.6 67.0#

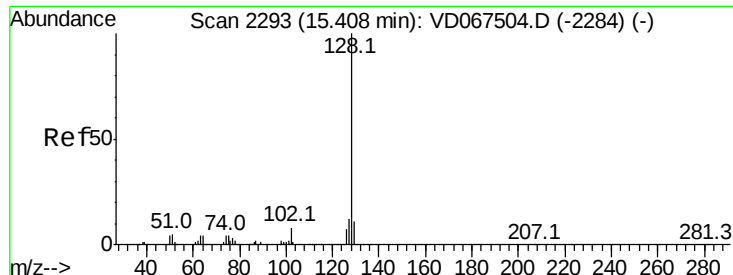


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#95

Naphthalene

Concen: 1.059 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD067560.D

Acq: 09 Nov 2020 12:39

Instrument :

MSVOA_D

ClientSampleId :

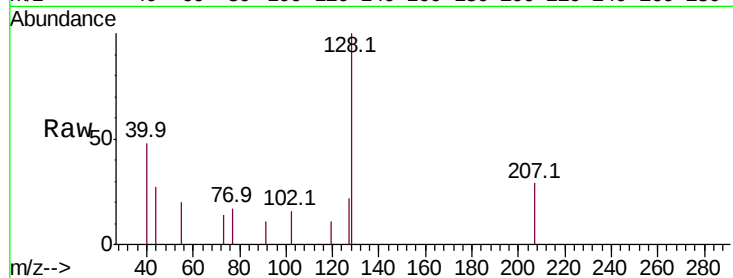
Tot Ion:128 Resp: 2225

Ion Ratio Lower Upper

128 100

127 18.2 10.2 15.4#

129 0.0 8.9 13.3#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

