

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112020\
 Data File : VD067731.D
 Acq On : 20 Nov 2020 18:10
 Operator : VA/SY
 Sample : L4847-01
 Misc : 1.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 21 00:41:52 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	244180	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	368424	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	377235	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	191999	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	96086	45.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.00%	
35) Dibromofluoromethane	7.92	113	106442	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	
50) Toluene-d8	10.34	98	425140	54.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.00%	
62) 4-Bromofluorobenzene	12.64	95	162202	60.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.46%	

Target Compounds

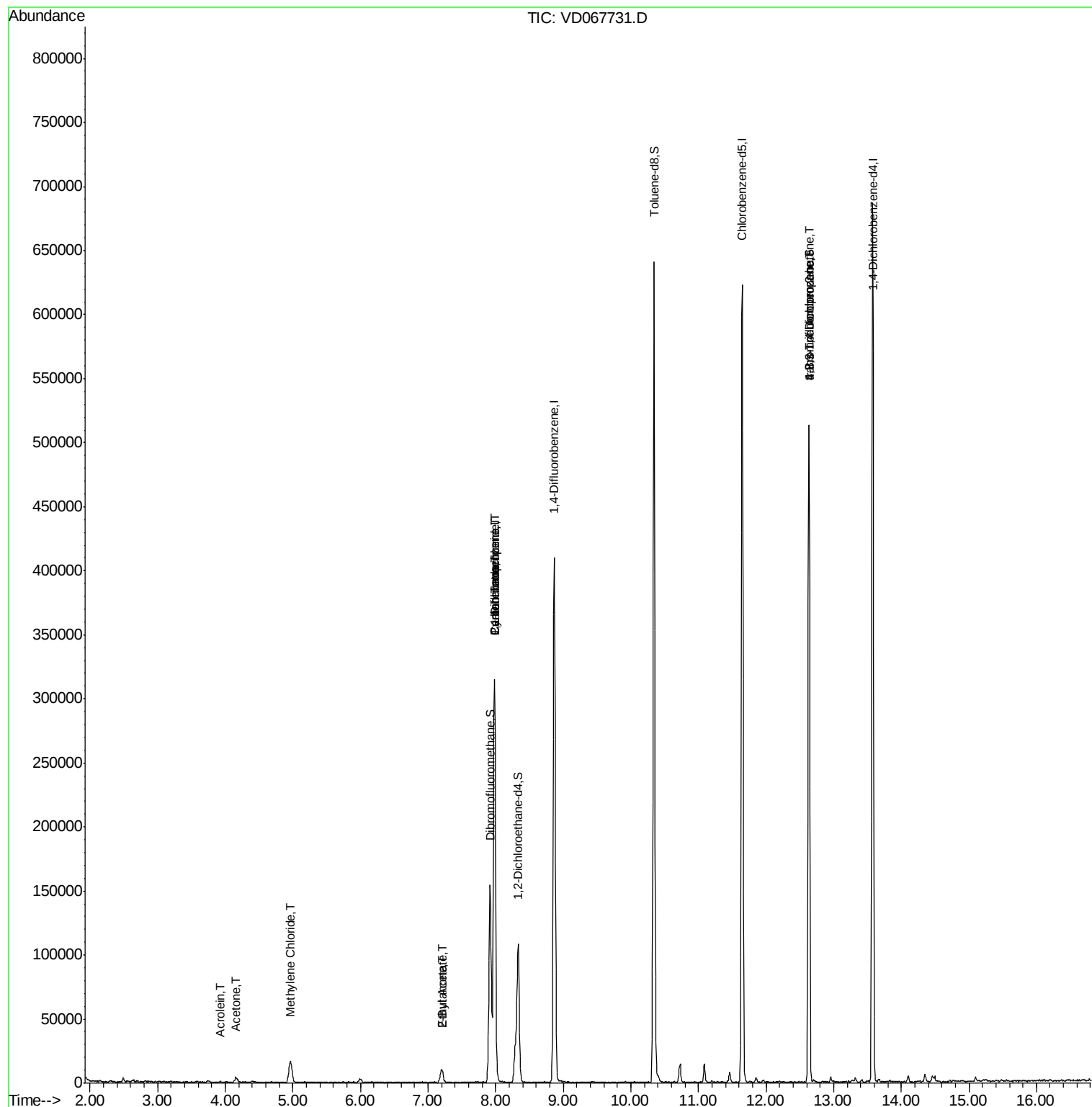
					Qvalue	
11) Tert butyl alcohol	5.21	59	74	Below Cal	#	79
13) Acrolein	3.93	56	371	31.824	ug/l #	82
16) Acetone	4.16	43	6535	20.454	ug/l #	71
20) Methylene Chloride	4.97	84	14515	6.431	ug/l	98
25) 2-Butanone	7.22	43	2585	7.572	ug/l #	81
31) Cyclohexane	7.98	56	4850	1.566	ug/l #	26
36) 1,1-Dichloropropene	7.98	75	16112	5.109	ug/l #	51
37) Ethyl Acetate	7.22	43	2585	3.157	ug/l #	81
38) Carbon Tetrachloride	7.98	117	25544	6.234	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	85721	74.009	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	85721	150.258	ug/l #	10

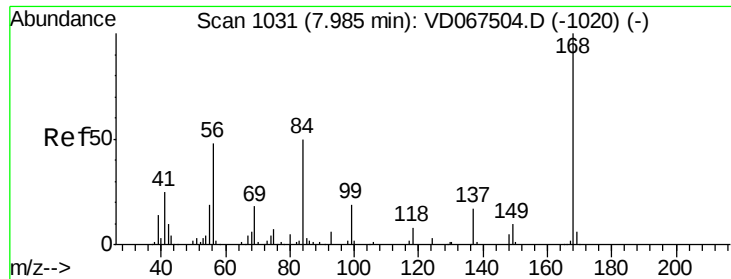
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112020\
Data File : VD067731.D
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Quant Time: Nov 21 00:41:52 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: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067731.D

Acq: 20 Nov 2020 18:10

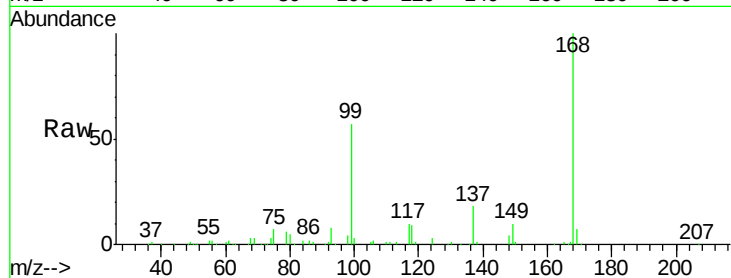
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 244180

Ion Ratio Lower Upper

168 100

99 56.7 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

120000

100000

80000

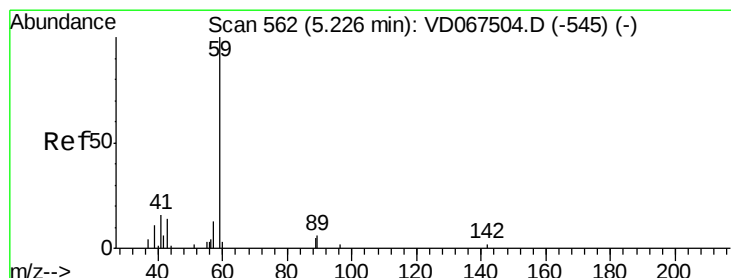
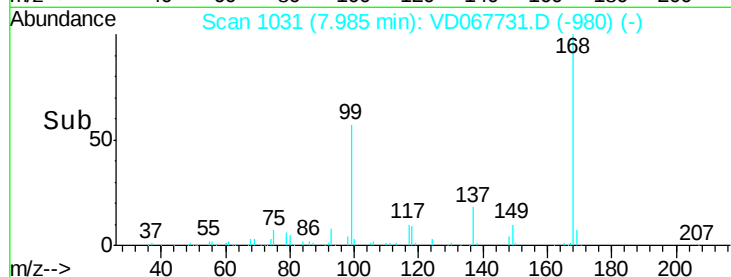
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 559

Delta R.T. -0.02 min

Lab File: VD067731.D

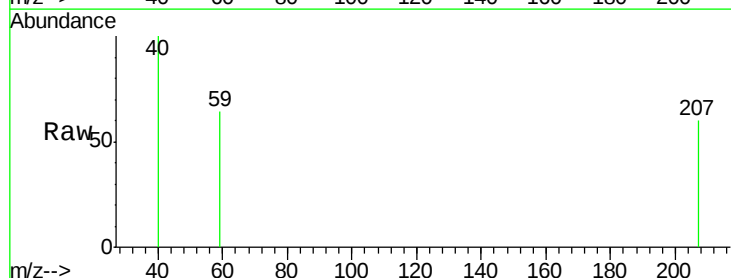
Acq: 20 Nov 2020 18:10

Tgt Ion: 59 Resp: 74

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

5.21

250

200

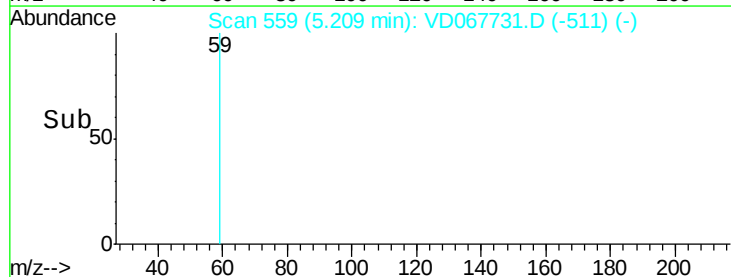
150

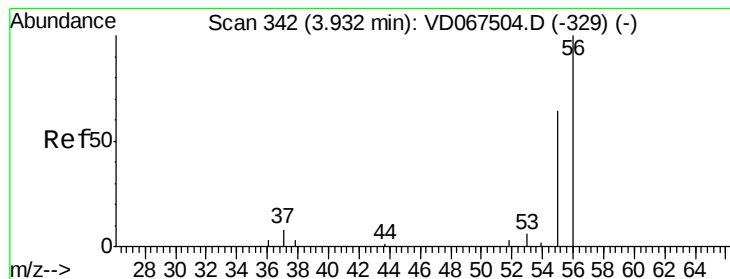
100

50

0

Time-->





#13

Acrolein

Concen: 31.824 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.01 min

Lab File: VD067731.D

Acq: 20 Nov 2020 18:10

Instrument :

MSVOA_D

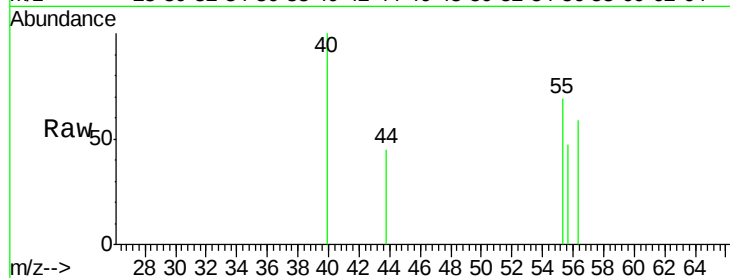
ClientSampleId :

Tot Ion: 56 Resp: 371

Ion Ratio Lower Upper

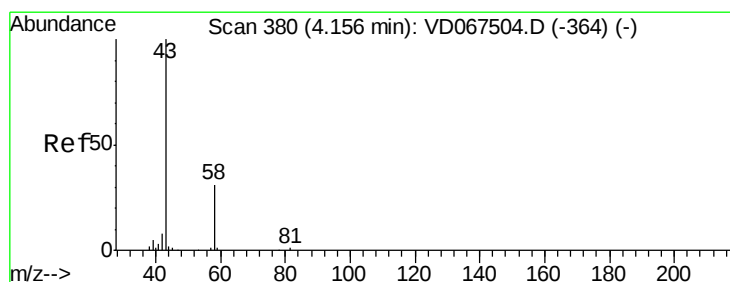
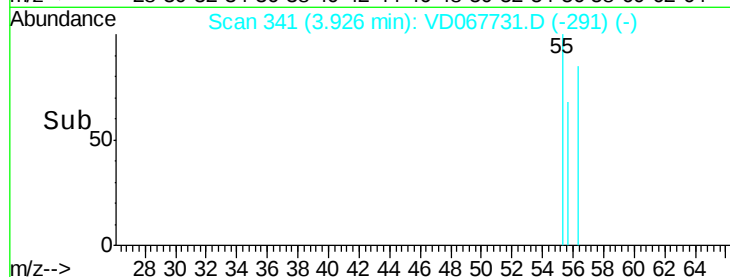
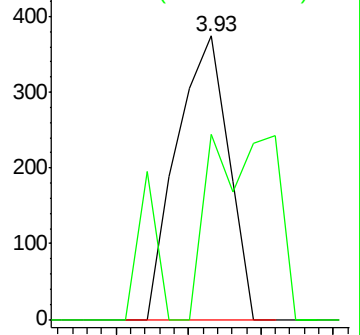
56 100

55 84.4 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 20.454 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD067731.D

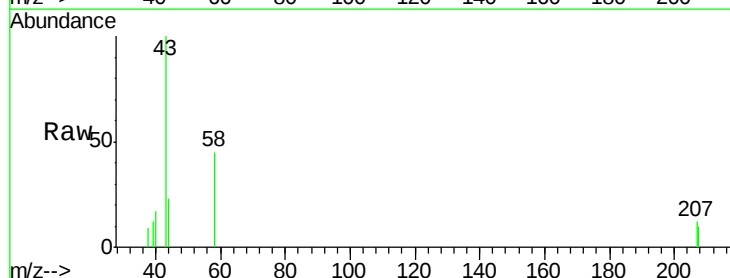
Acq: 20 Nov 2020 18:10

Tgt Ion: 43 Resp: 6535

Ion Ratio Lower Upper

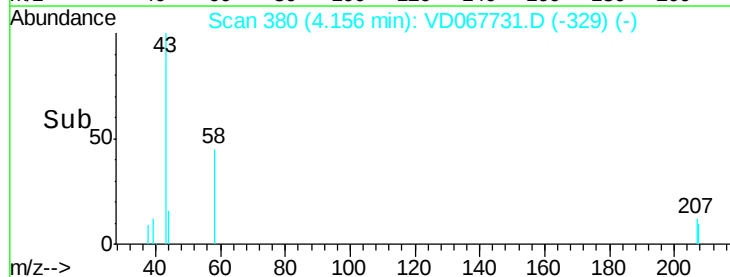
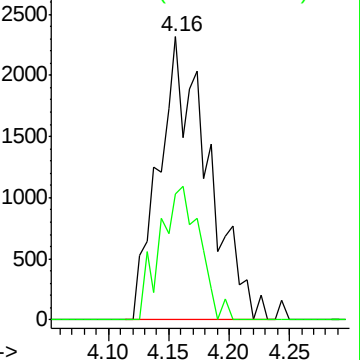
43 100

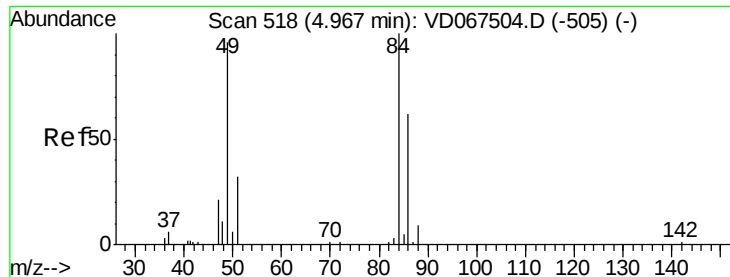
58 47.8 25.2 37.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

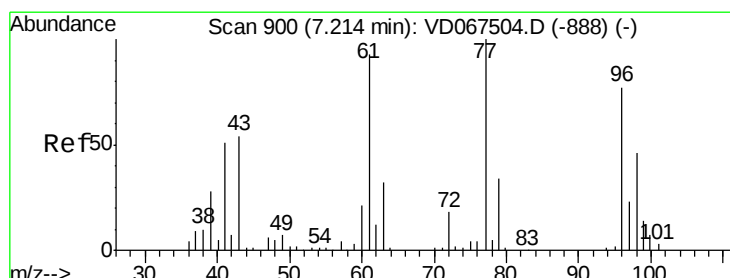
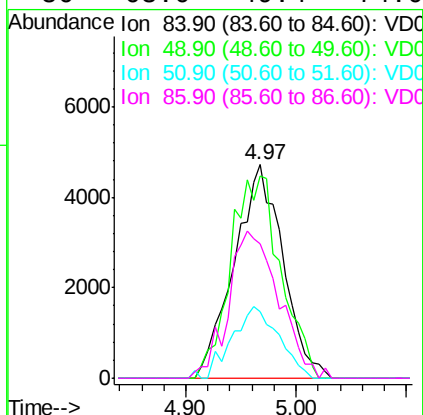
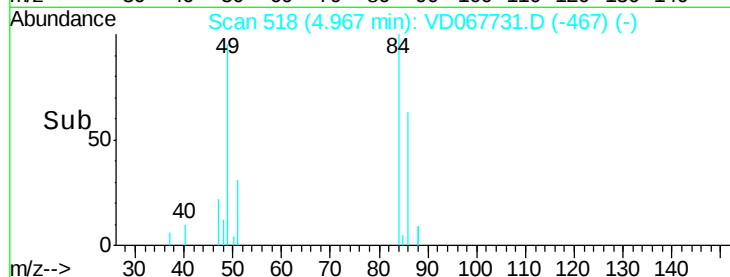
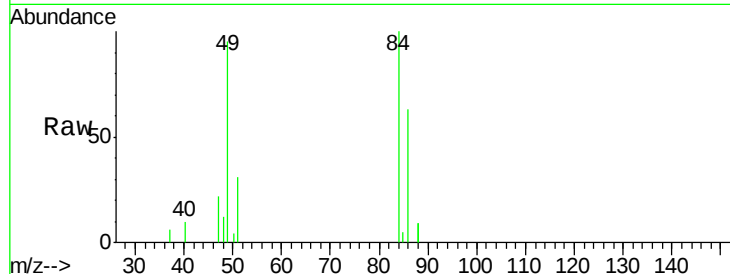




#20
Methvlene Chloride
Concen: 6.431 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD067731.D
Acq: 20 Nov 2020 18:10

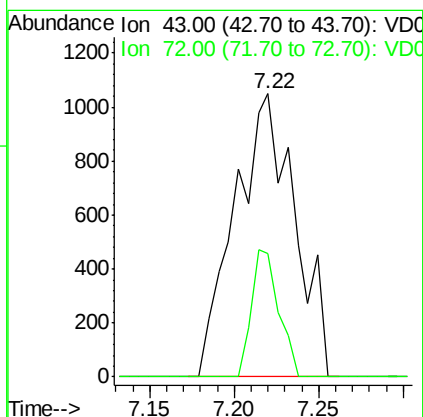
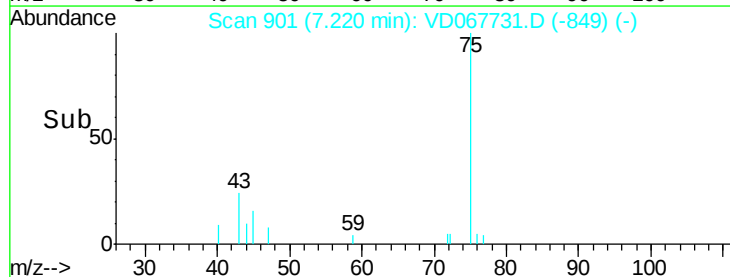
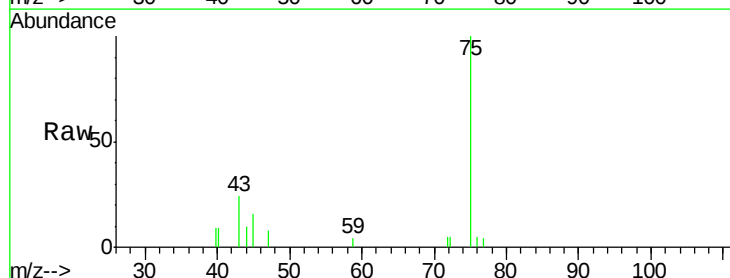
Instrument :
MSVOA_D
ClientSampleId :

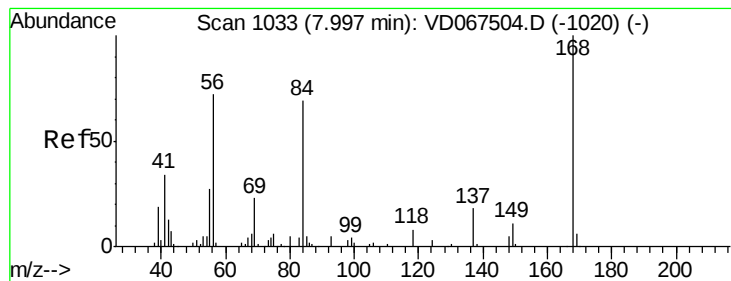
Tot Ion: 84 Resp: 14515
Ion Ratio Lower Upper
84 100
49 94.8 77.0 115.4
51 31.1 25.4 38.2
86 63.0 49.4 74.0



#25
2-Butanone
Concen: 7.572 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD067731.D
Acq: 20 Nov 2020 18:10

Tgt Ion: 43 Resp: 2585
Ion Ratio Lower Upper
43 100
72 43.5 26.4 39.6#





#31

Cyclohexane

Concen: 1.566 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VD067731.D

Acq: 20 Nov 2020 18:10

Instrument :
MSVOA_D
ClientSampleId :

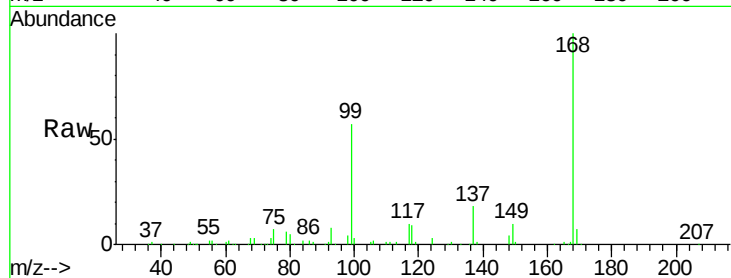
Tot Ion: 56 Resp: 4850

Ion Ratio Lower Upper

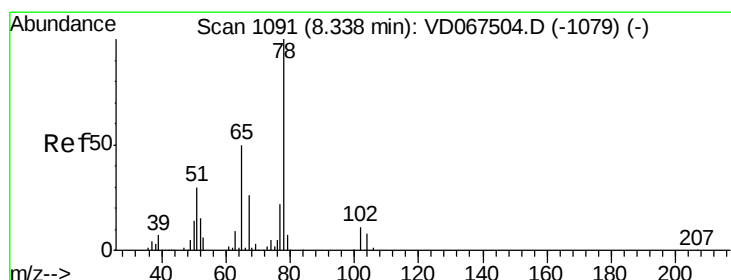
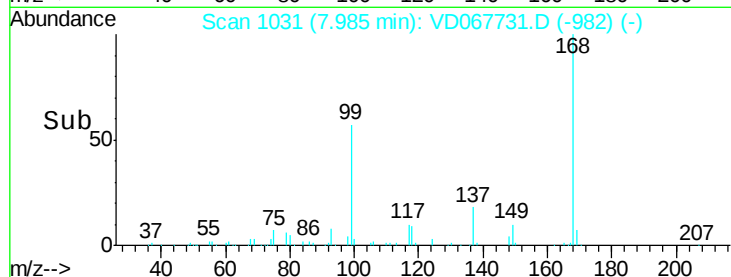
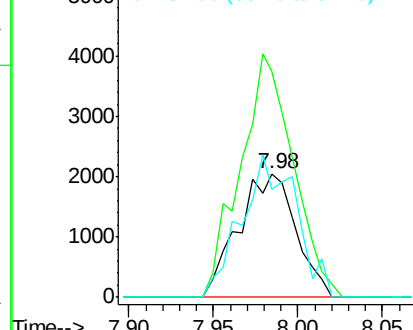
56 100

69 181.8 25.9 38.9#

84 86.8 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: 45.003 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067731.D

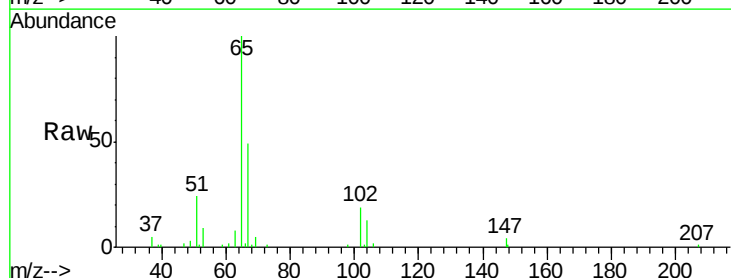
Acq: 20 Nov 2020 18:10

Tgt Ion: 65 Resp: 96086

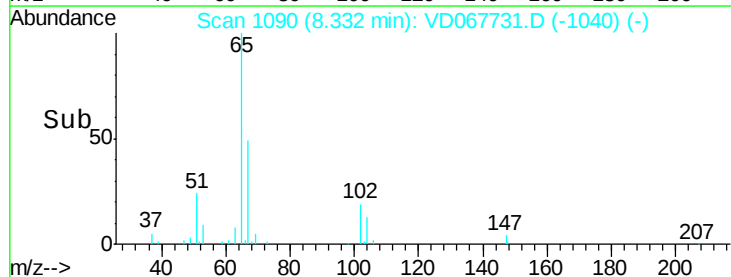
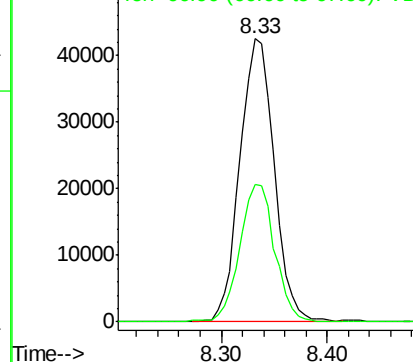
Ion Ratio Lower Upper

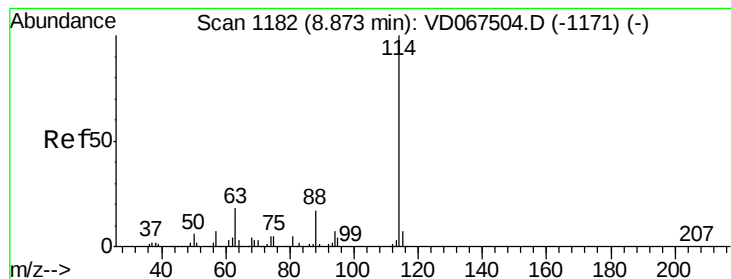
65 100

67 49.4 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: VD067731.D

Acq: 20 Nov 2020 18:10

Instrument :

MSVOA_D

ClientSampleId :

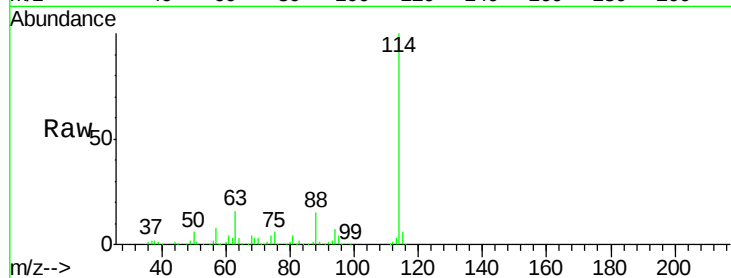
Tot Ion:114 Resp: 368424

Ion Ratio Lower Upper

114 100

63 16.0 0.0 35.0

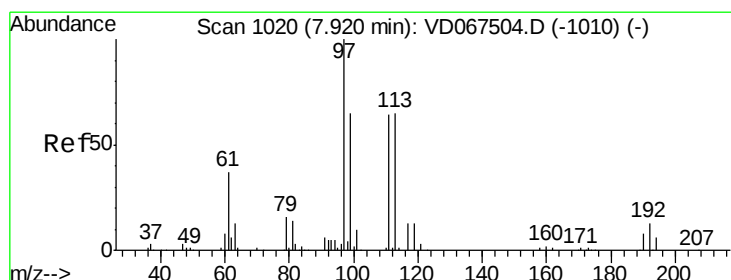
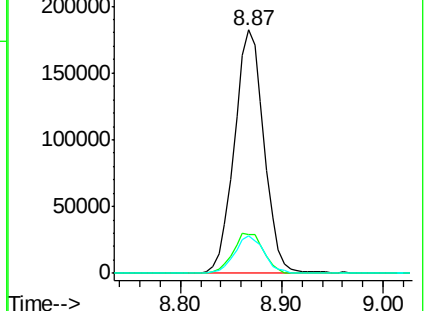
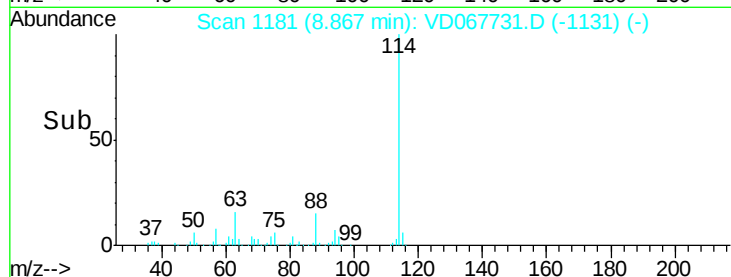
88 15.5 0.0 33.0



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: 47.952 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD067731.D

Acq: 20 Nov 2020 18:10

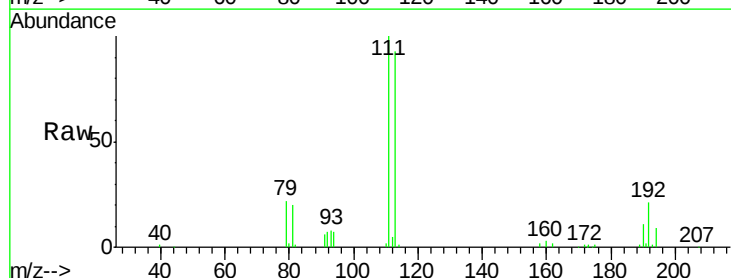
Tgt Ion:113 Resp: 106442

Ion Ratio Lower Upper

113 100

111 103.5 80.0 120.0

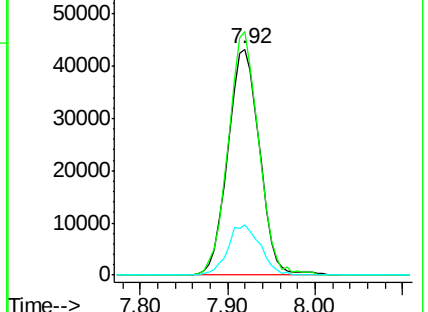
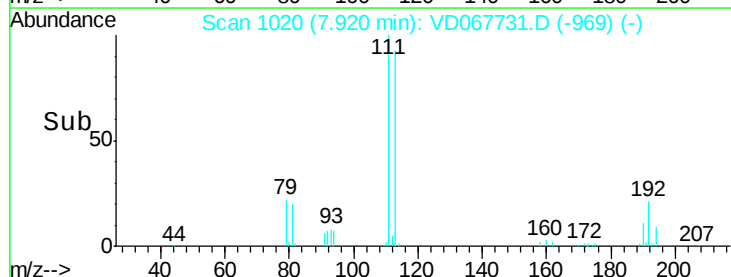
192 22.7 16.3 24.5

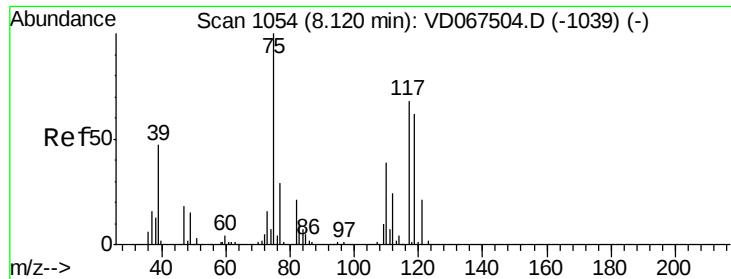


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.109 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067731.D

Acq: 20 Nov 2020 18:10

Instrument :

MSVOA_D

ClientSampleId :

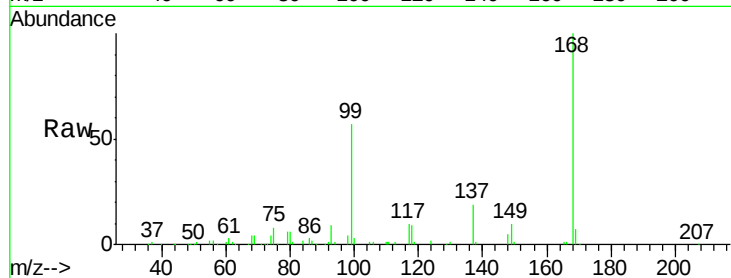
Tot Ion: 75 Resp: 16112

Ion Ratio Lower Upper

75 100

110 13.5 19.9 59.7#

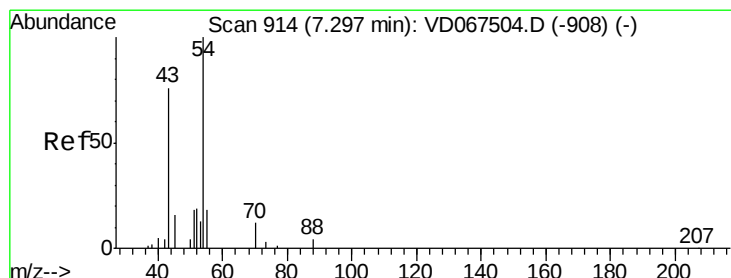
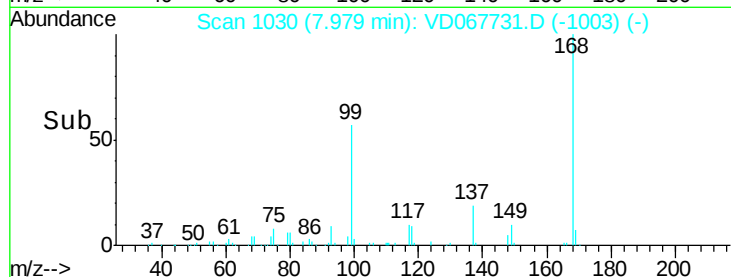
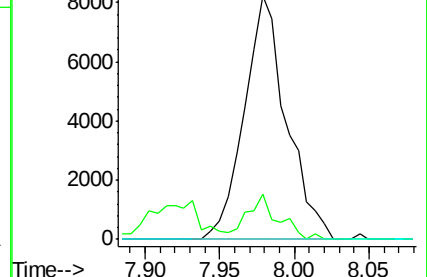
77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#37

Ethyl Acetate

Concen: 3.157 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.08 min

Lab File: VD067731.D

Acq: 20 Nov 2020 18:10

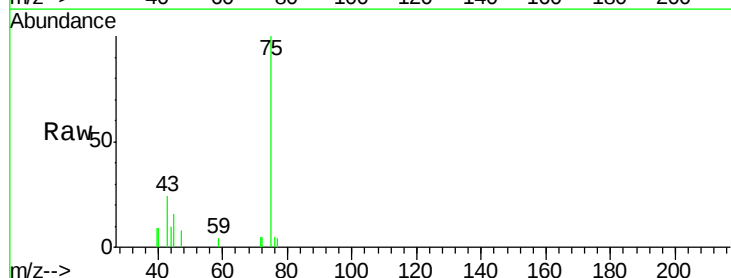
Tgt Ion: 43 Resp: 2585

Ion Ratio Lower Upper

43 100

61 13.9 12.8 19.2

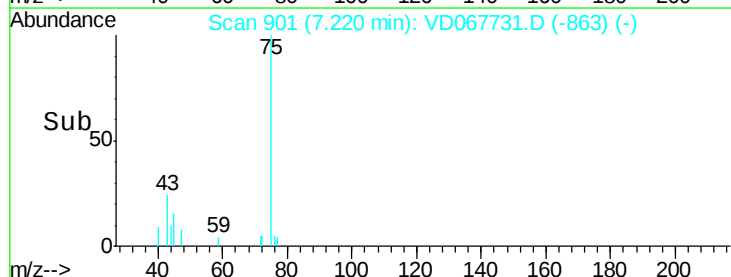
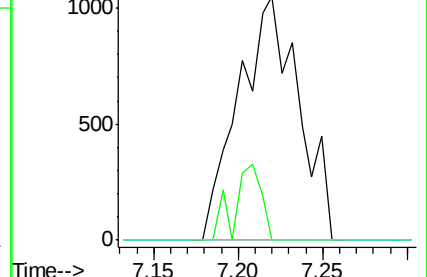
70 0.0 11.7 17.5#

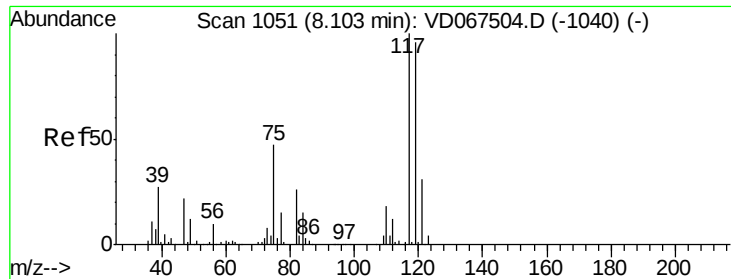


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC

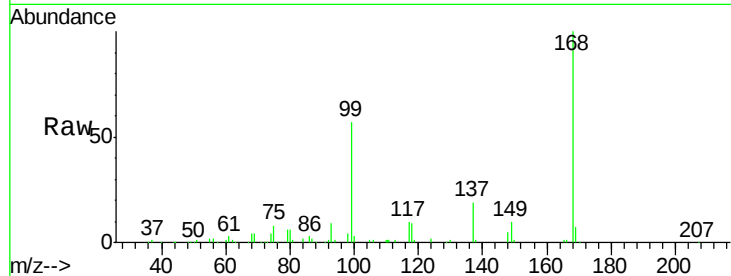




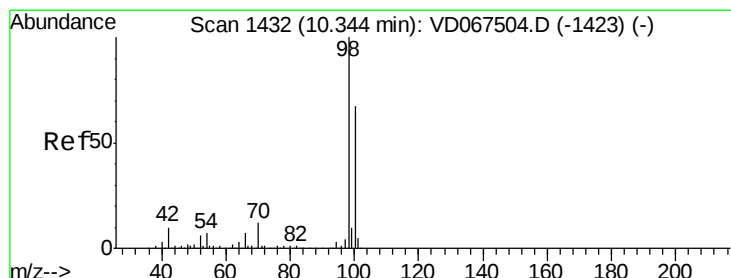
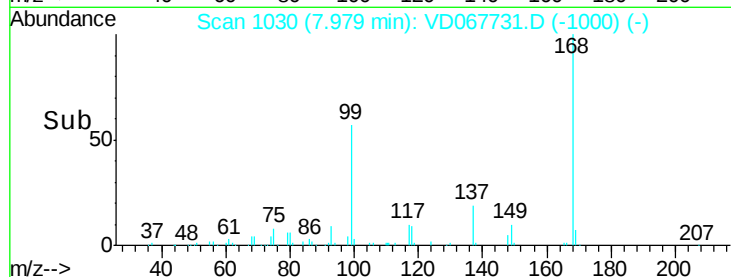
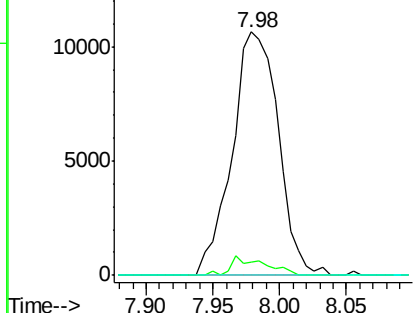
#38
Carbon Tetrachloride
Concen: 6.234 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD067731.D
Acq: 20 Nov 2020 18:10

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 25544
Ion Ratio Lower Upper
117 100
119 5.2 76.9 115.3#
121 0.0 24.5 36.7#

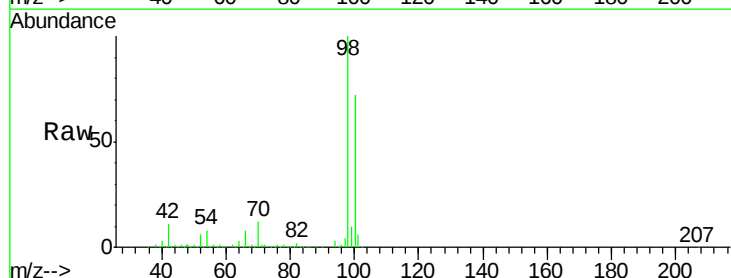


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

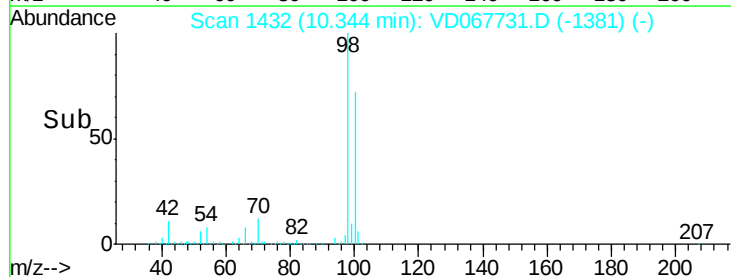
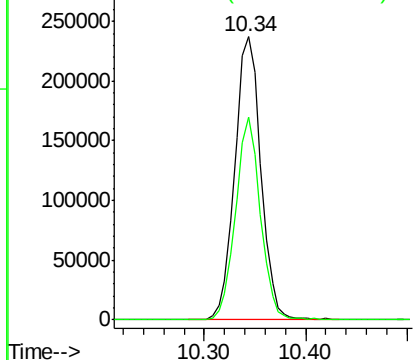


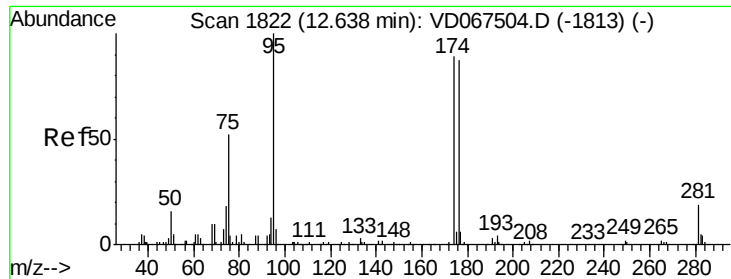
#50
Toluene-d8
Concen: 54.500 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067731.D
Acq: 20 Nov 2020 18:10

Tgt Ion: 98 Resp: 425140
Ion Ratio Lower Upper
98 100
100 68.0 53.0 79.6



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

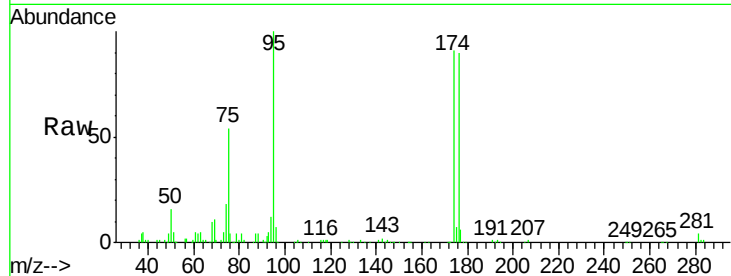




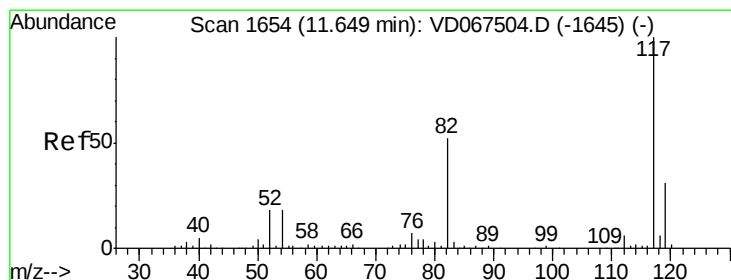
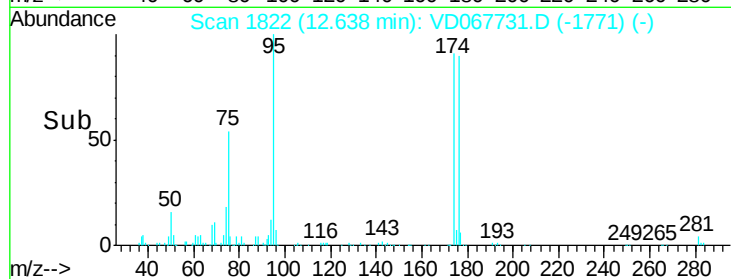
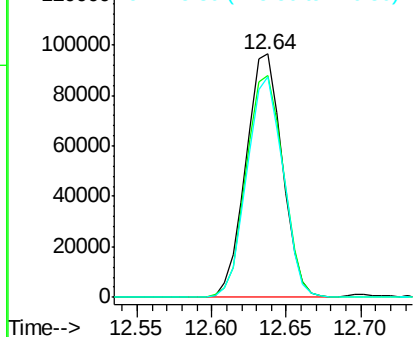
#62
4-Bromofluorobenzene
Concen: 60.227 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD067731.D
Acq: 20 Nov 2020 18:10

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 162202
Ion Ratio Lower Upper
95 100
174 93.4 0.0 177.8
176 90.0 0.0 172.0

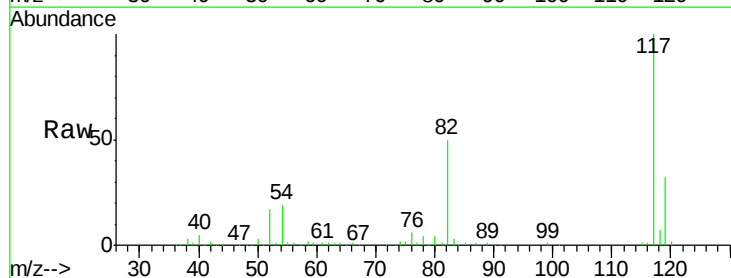


Abundance Ion 94.90 (94.60 to 95.60): V
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

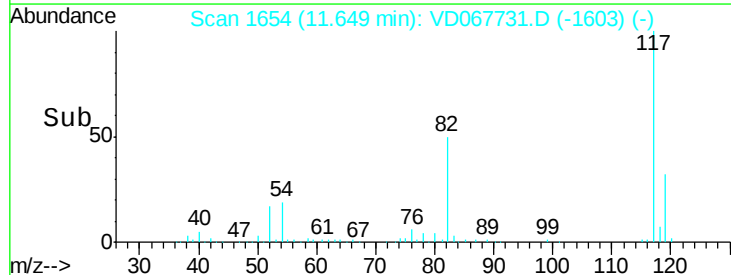
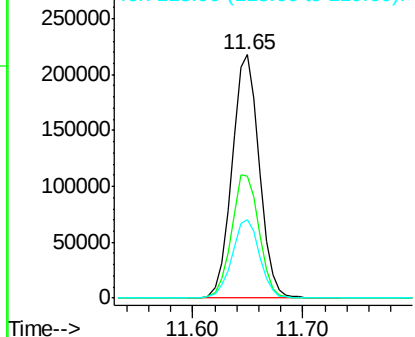


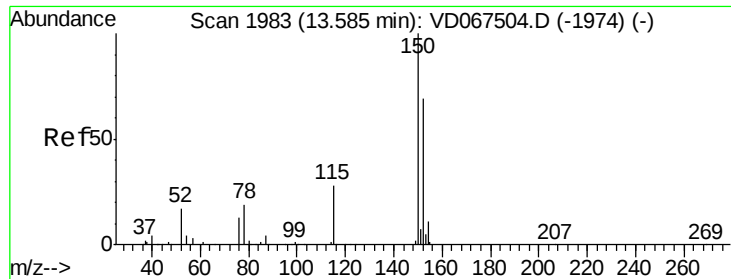
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067731.D
Acq: 20 Nov 2020 18:10

Tgt Ion: 117 Resp: 377235
Ion Ratio Lower Upper
117 100
82 50.2 41.6 62.4
119 32.3 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: VD067731.D

Acq: 20 Nov 2020 18:10

Instrument :

MSVOA_D

ClientSampleId :

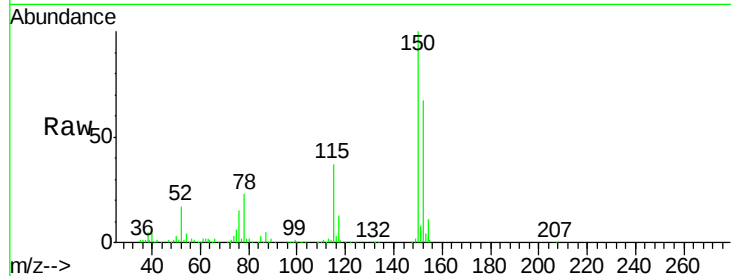
Tot Ion:152 Resp: 191999

Ion Ratio Lower Upper

152 100

115 59.5 29.3 88.0

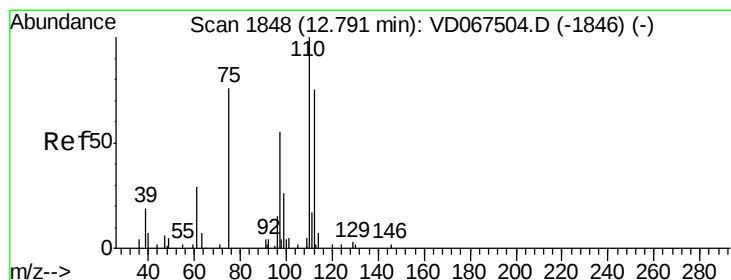
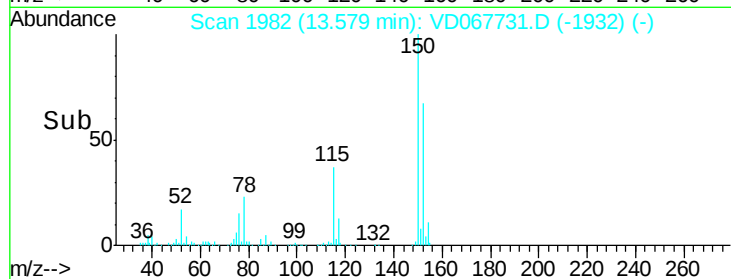
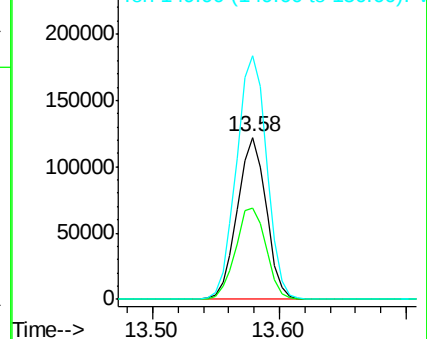
150 157.9 0.0 338.2



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: 74.009 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067731.D

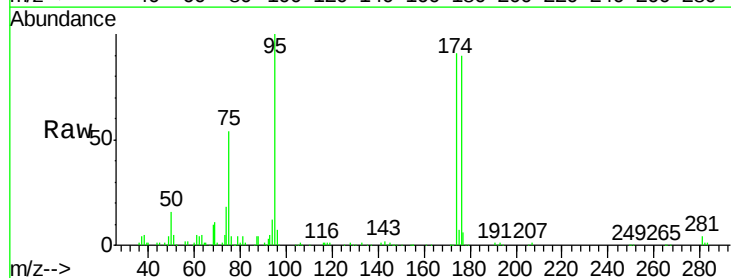
Acq: 20 Nov 2020 18:10

Tgt Ion: 75 Resp: 85721

Ion Ratio Lower Upper

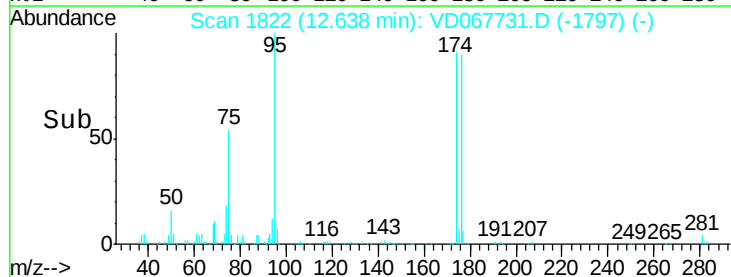
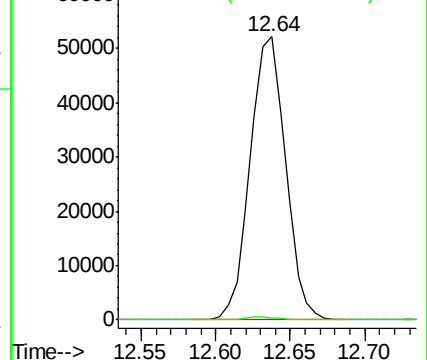
75 100

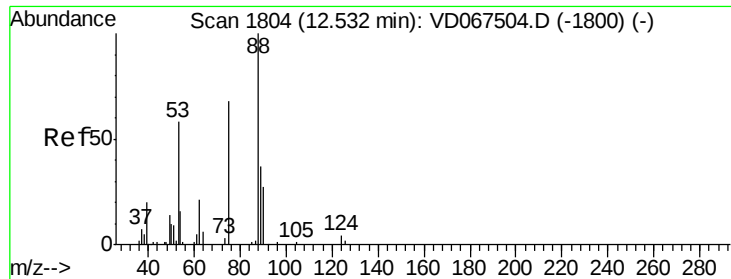
77 0.9 0.0 0.0#



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: 150.258 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067731.D

Acq: 20 Nov 2020 18:10

Instrument :

MSVOA_D

ClientSampleId :

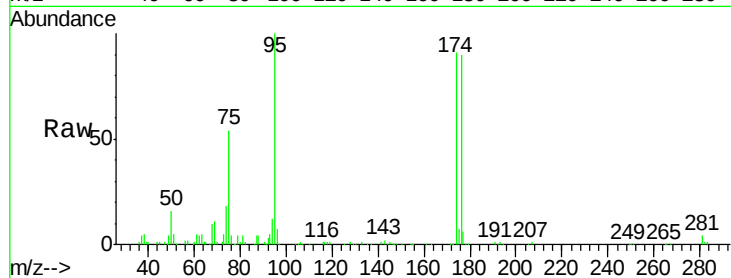
Tot Ion: 75 Resp: 85721

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

