

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111020\
 Data File : VD067588.D
 Acq On : 10 Nov 2020 17:50
 Operator : VA/SY
 Sample : L4701-14
 Misc : 5.65G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TRANSFORMER-5-1-BOTTOM

Quant Time: Nov 11 00:05:47 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	245223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	410475	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	427027	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	215220	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	130628	60.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.84%	
35) Dibromofluoromethane	7.91	113	133229	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	
50) Toluene-d8	10.34	98	490003	56.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.76%	
62) 4-Bromofluorobenzene	12.64	95	184473	61.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.96%	

Target Compounds

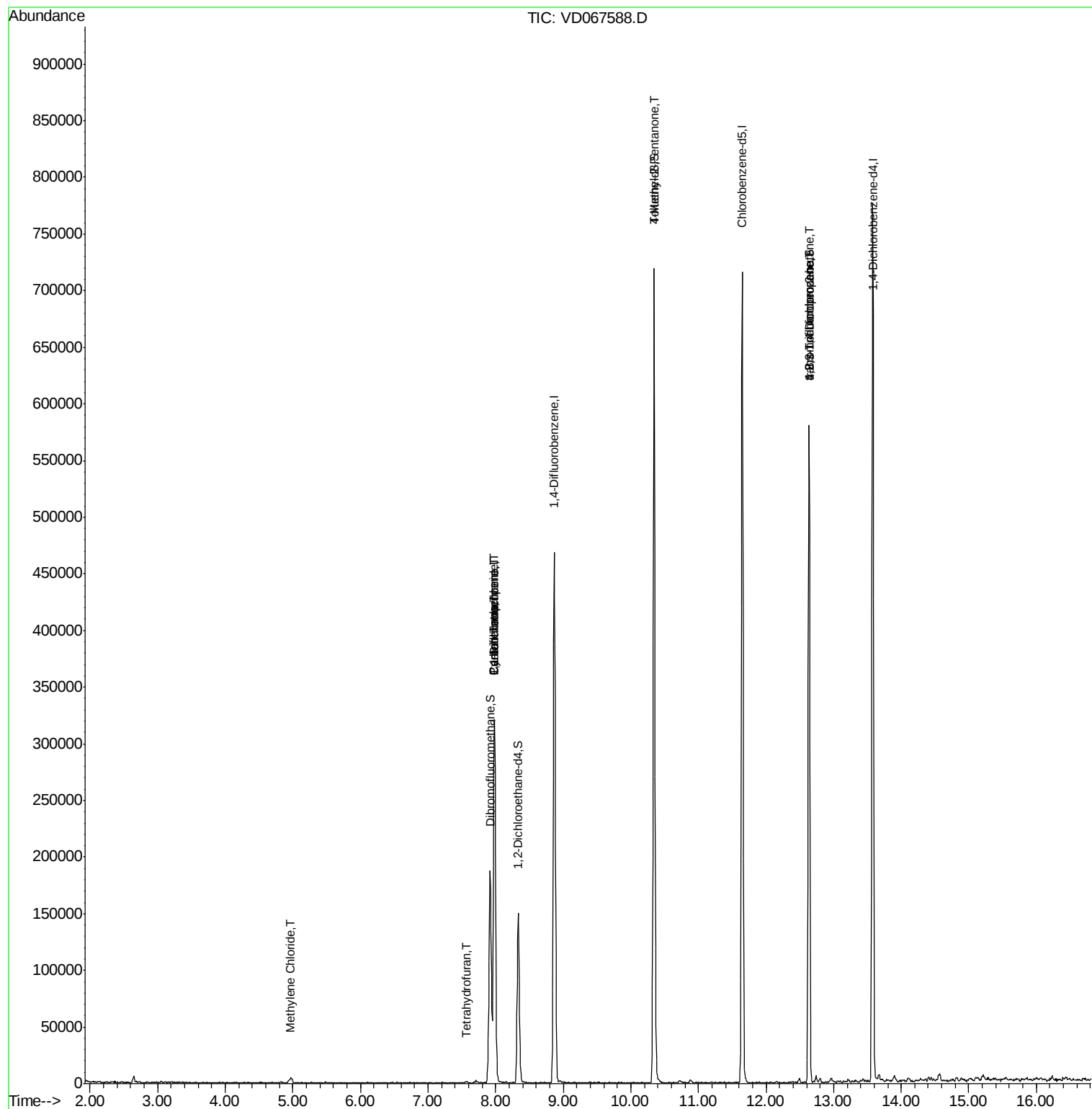
	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.22	59	55	Below Cal	#	79
20) Methylene Chloride	4.97	84	4178	1.843	ug/l #	75
29) Tetrahydrofuran	7.57	42	913	4.446	ug/l #	56
31) Cyclohexane	7.99	56	4498	1.446	ug/l #	12
36) 1,1-Dichloropropene	7.99	75	17821	5.072	ug/l #	46
38) Carbon Tetrachloride	7.98	117	25333	5.549	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	1659	1.923	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	98395	75.786	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	98395	153.865	ug/l #	10

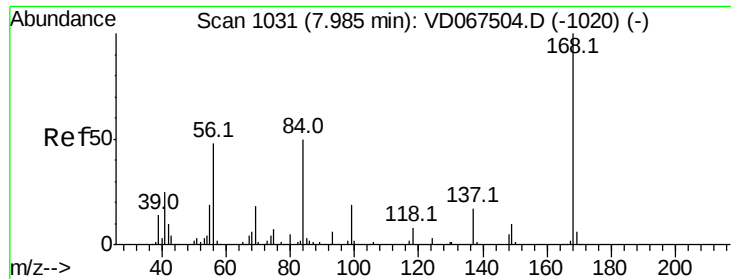
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067588.D

Acq: 10 Nov 2020 17:50

Instrument :

MSVOA_D

ClientSampleId :

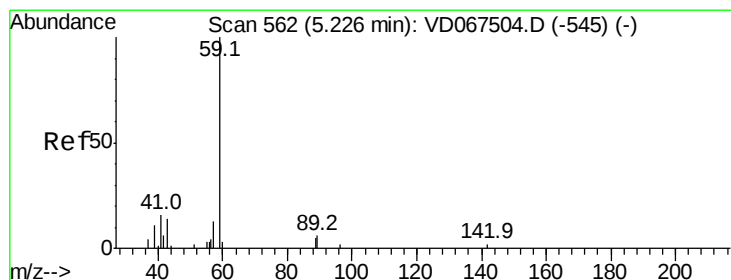
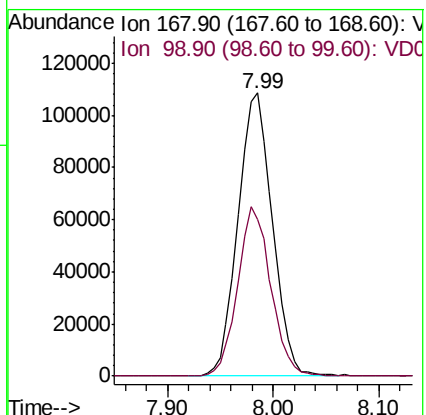
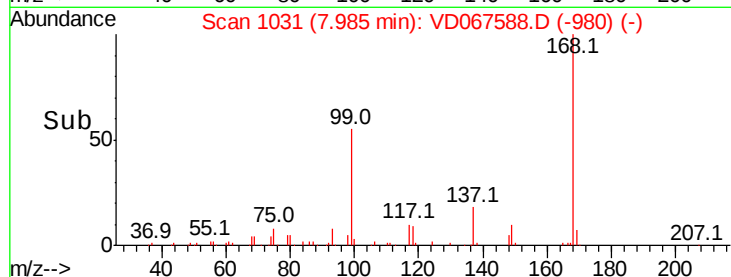
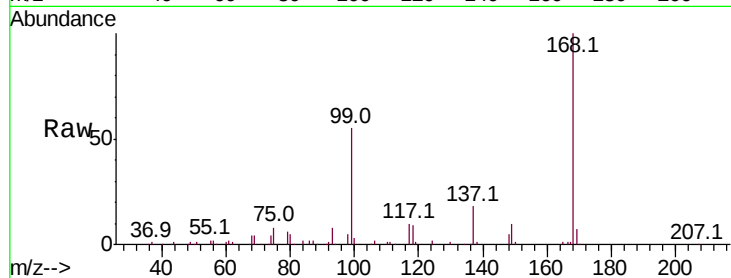
TRANSFORMER-5-1-BOTTOM

Tot Ion:168 Resp: 245223

Ion Ratio Lower Upper

168 100

99 55.4 45.0 67.6



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.22 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD067588.D

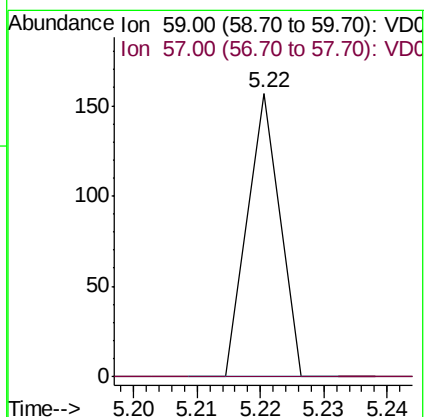
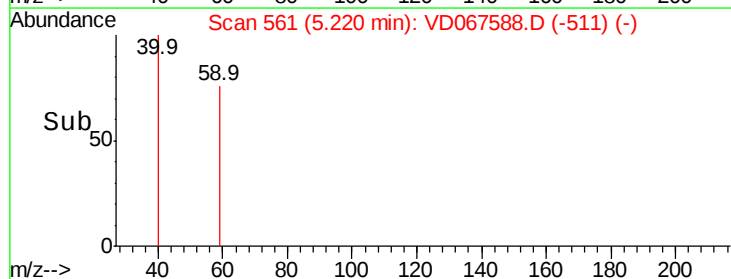
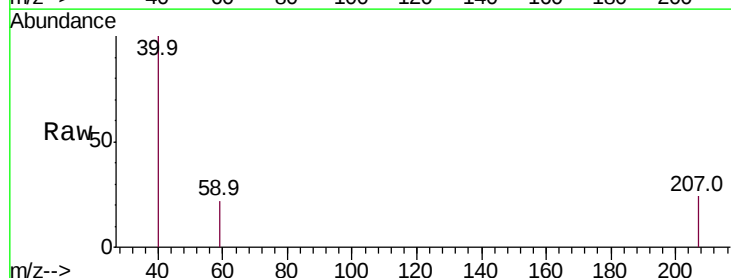
Acq: 10 Nov 2020 17:50

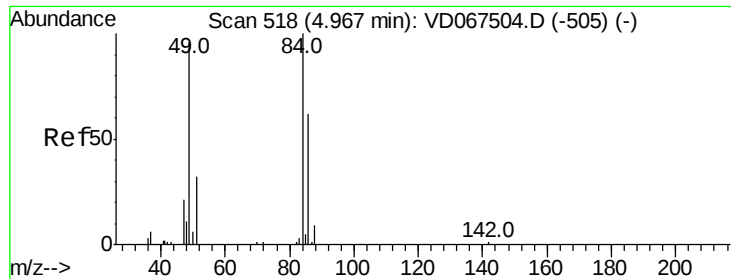
Tgt Ion: 59 Resp: 55

Ion Ratio Lower Upper

59 100

57 0.0 5.9 8.9#

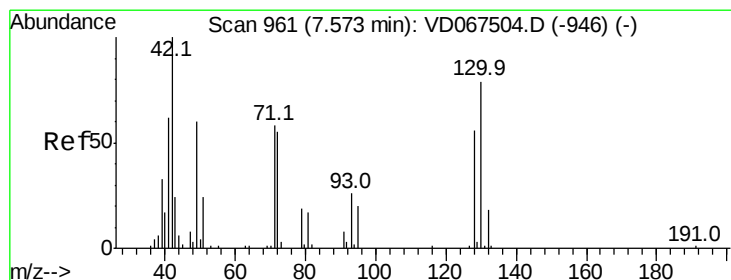
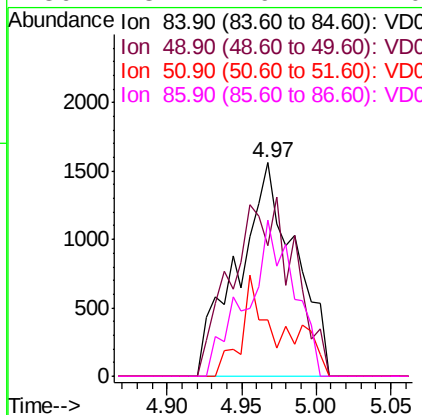
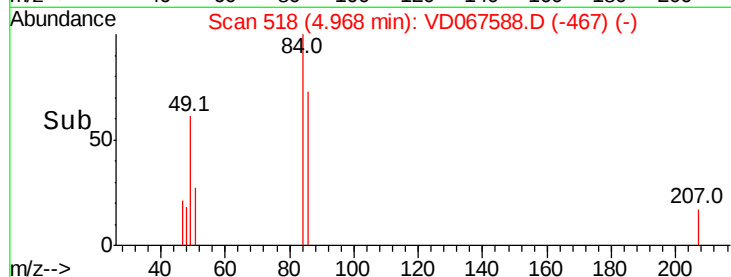
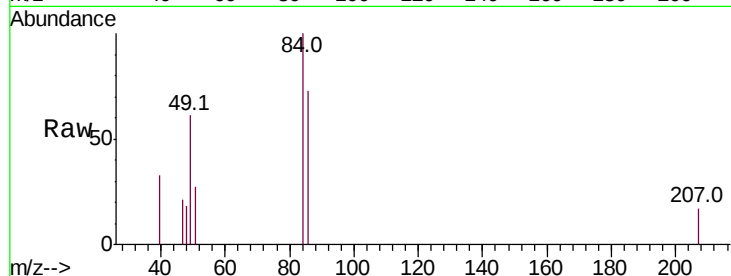




#20
Methvlene Chloride
Concen: 1.843 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD067588.D
Acq: 10 Nov 2020 17:50

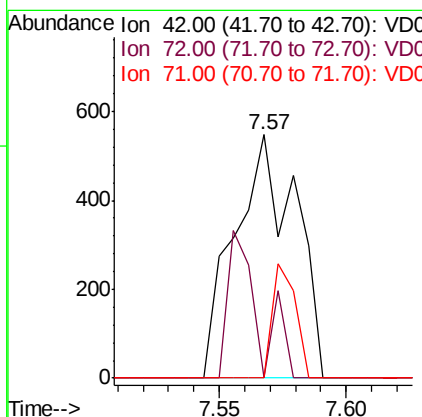
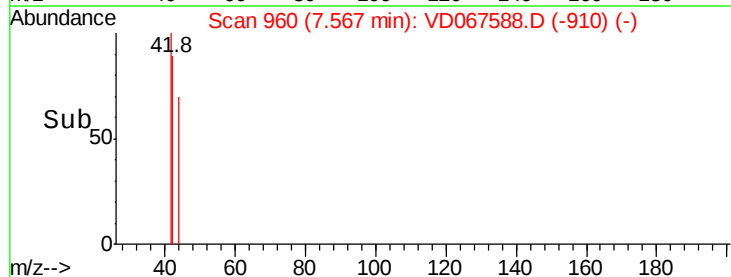
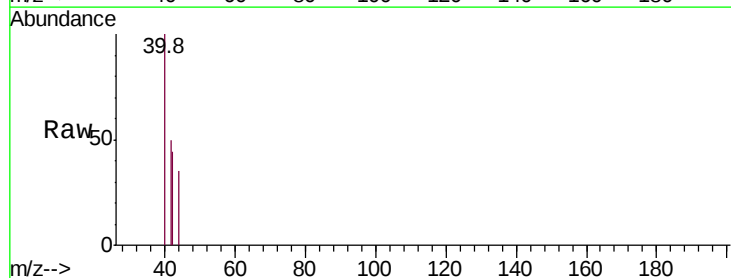
Instrument :
MSVOA_D
ClientSampleId :
TRANSFORMER-5-1-BOTTOM

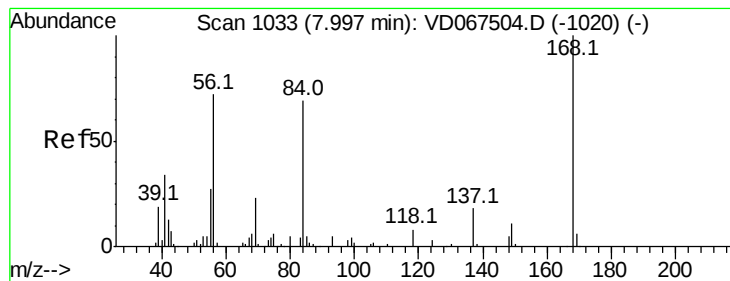
Tot Ion: 84 Resp: 4178
Ion Ratio Lower Upper
84 100
49 61.1 77.0 115.4#
51 26.6 25.4 38.2
86 73.2 49.4 74.0



#29
Tetrahydrofuran
Concen: 4.446 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD067588.D
Acq: 10 Nov 2020 17:50

Tgt Ion: 42 Resp: 913
Ion Ratio Lower Upper
42 100
72 30.2 46.3 69.5#
71 17.6 44.0 66.0#





#31

Cyclohexane

Concen: 1.446 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VD067588.D

Acq: 10 Nov 2020 17:50

Instrument :

MSVOA_D

ClientSampleId :

TRANSFORMER-5-1-BOTTOM

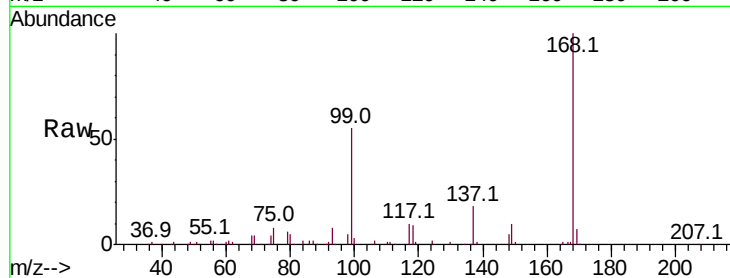
Tot Ion: 56 Resp: 4498

Ion Ratio Lower Upper

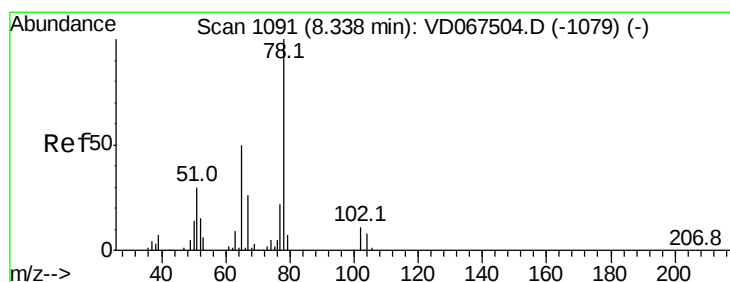
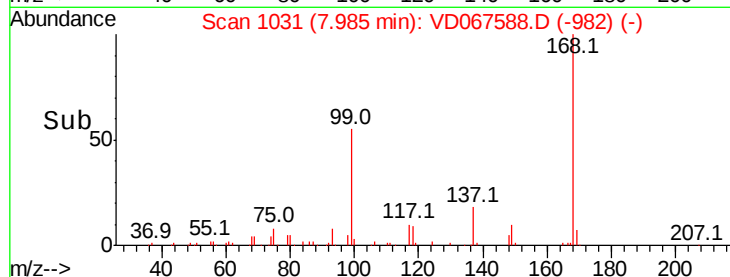
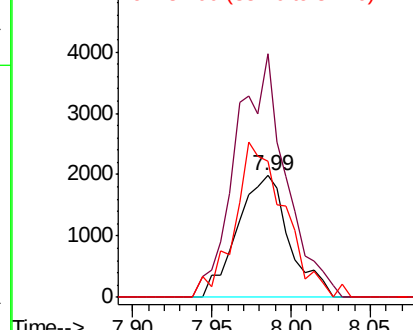
56 100

69 200.2 25.9 38.9#

84 111.5 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: 60.921 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD067588.D

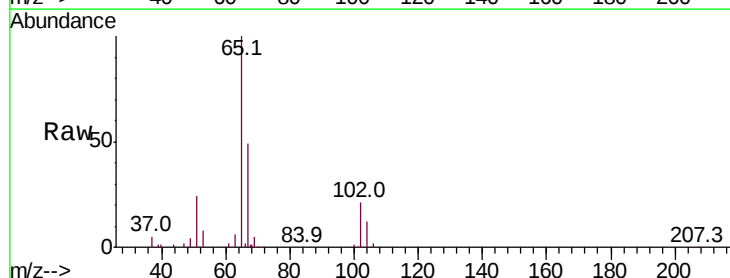
Acq: 10 Nov 2020 17:50

Tgt Ion: 65 Resp: 130628

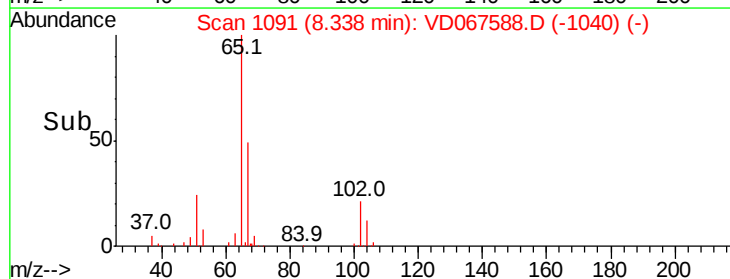
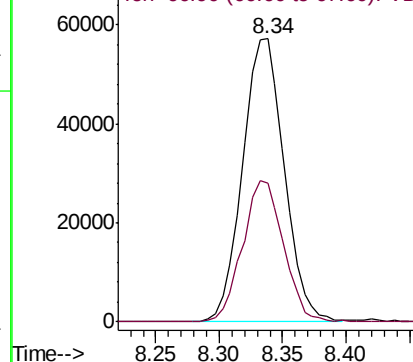
Ion Ratio Lower Upper

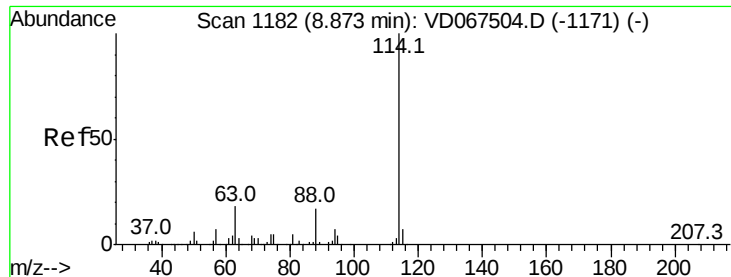
65 100

67 49.0 0.0 99.4



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

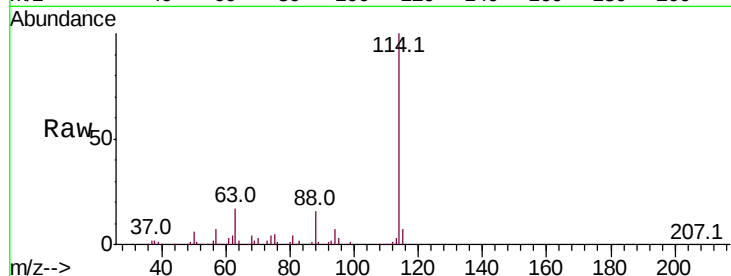




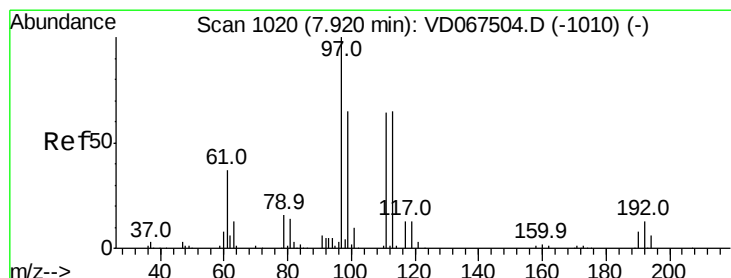
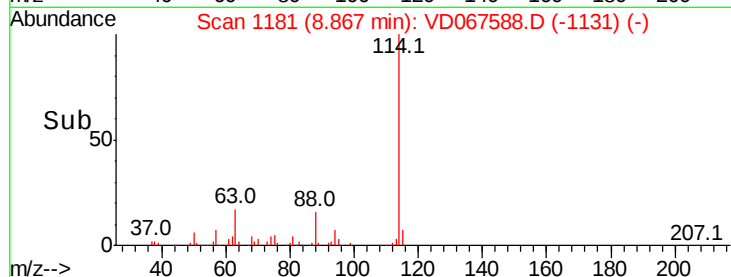
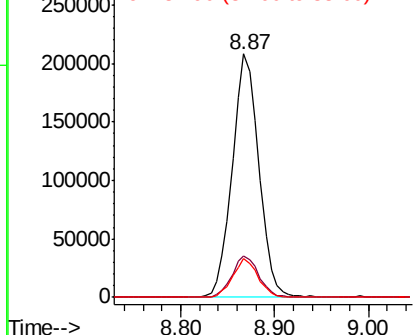
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD067588.D
Acq: 10 Nov 2020 17:50

Instrument :
MSVOA_D
ClientSampleId :
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Tot Ion:114 Resp: 410475
Ion Ratio Lower Upper
114 100
63 16.9 0.0 35.0
88 16.1 0.0 33.0

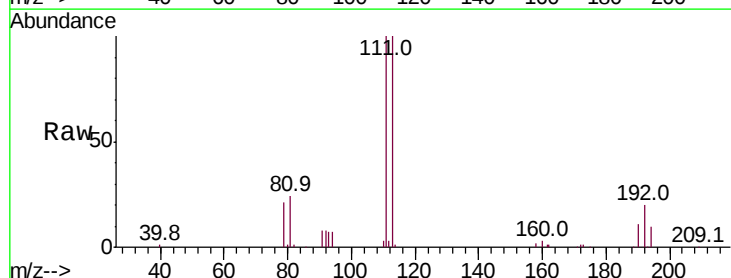


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

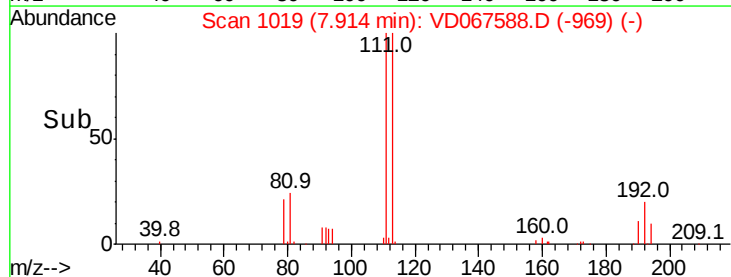
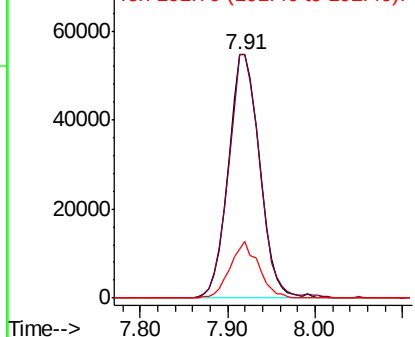


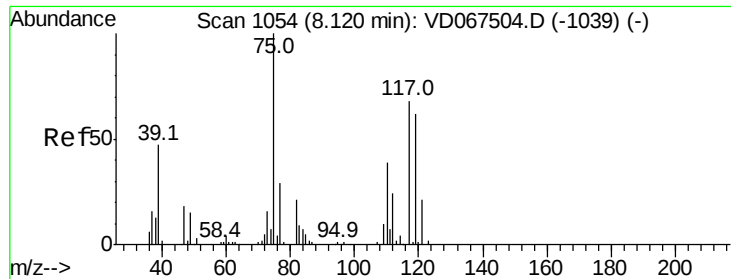
#35
Dibromofluoromethane
Concen: 53.871 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD067588.D
Acq: 10 Nov 2020 17:50

Tgt Ion:113 Resp: 133229
Ion Ratio Lower Upper
113 100
111 98.5 80.0 120.0
192 21.3 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: 5.072 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.14 min

Lab File: VD067588.D

Acq: 10 Nov 2020 17:50

Instrument :

MSVOA_D

ClientSampleId :

TRANSFORMER-5-1-BOTTOM

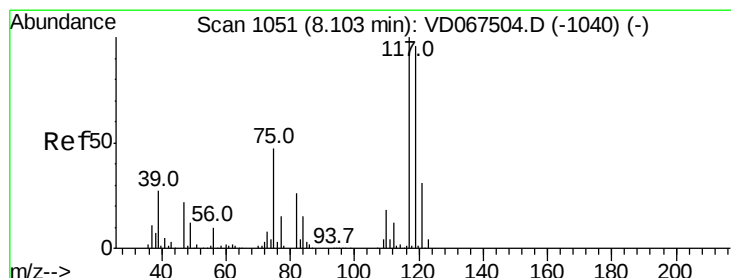
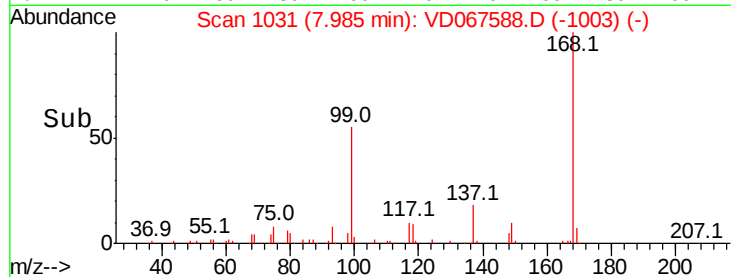
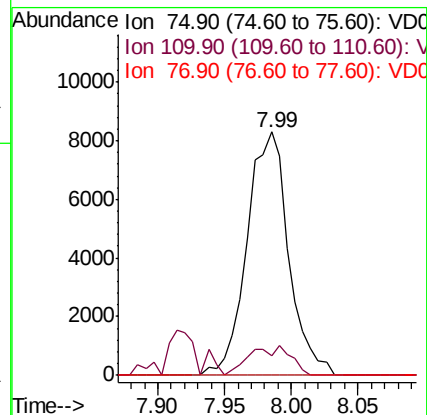
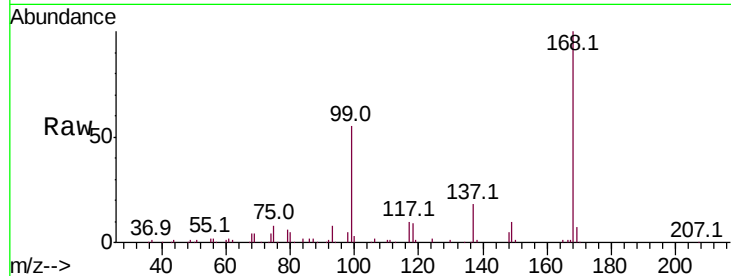
Tot Ion: 75 Resp: 17821

Ion Ratio Lower Upper

75 100

110 7.2 19.9 59.7#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.549 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067588.D

Acq: 10 Nov 2020 17:50

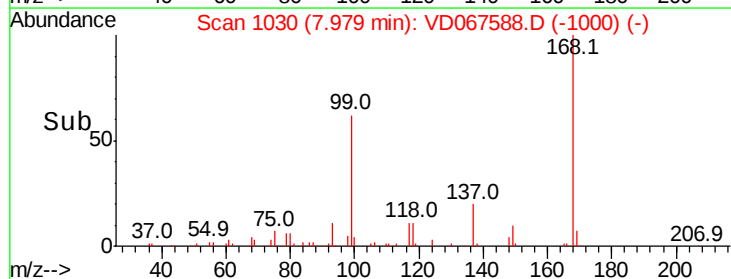
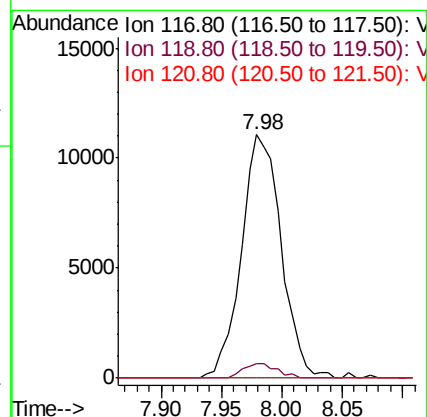
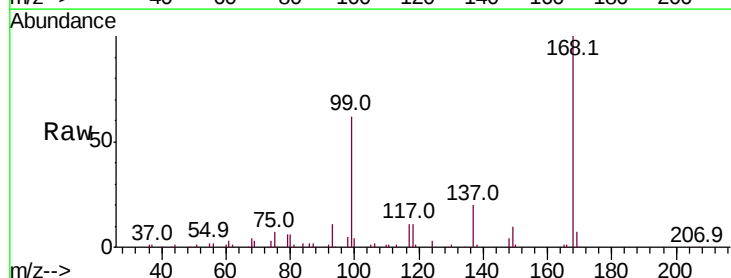
Tgt Ion: 117 Resp: 25333

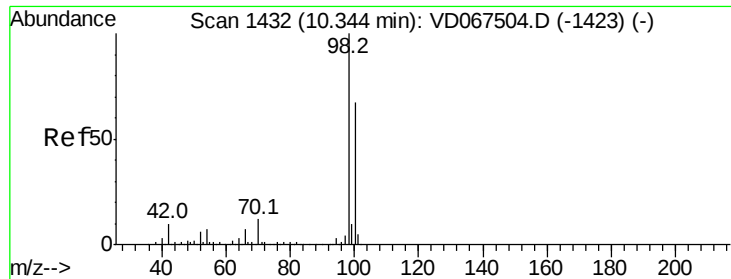
Ion Ratio Lower Upper

117 100

119 5.8 76.9 115.3#

121 0.0 24.5 36.7#

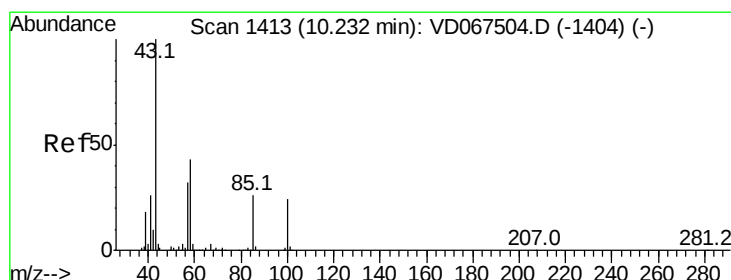
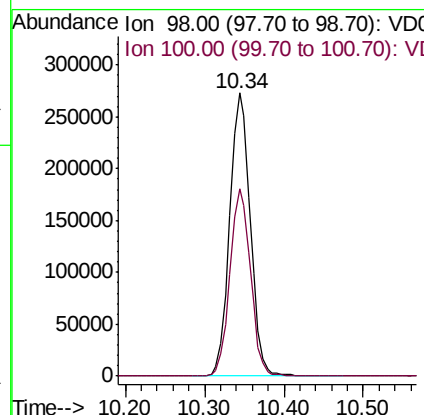
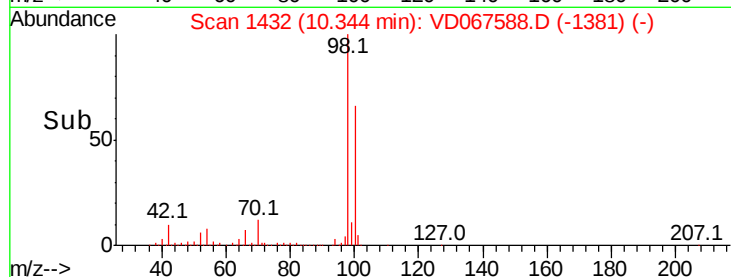
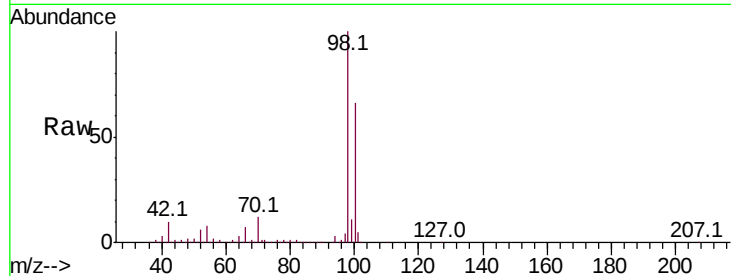




#50
Toluene-d8
Concen: 56.380 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067588.D
Acq: 10 Nov 2020 17:50

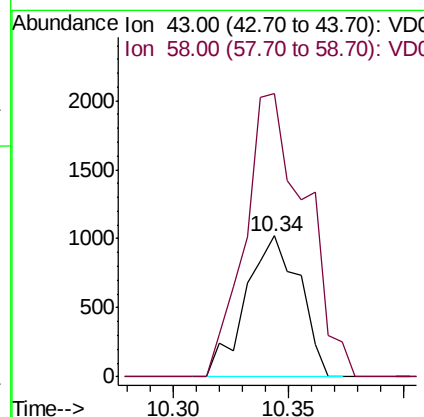
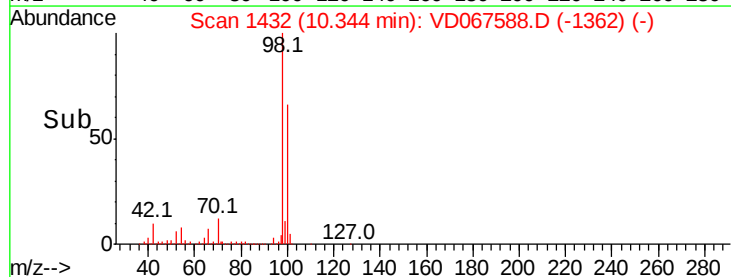
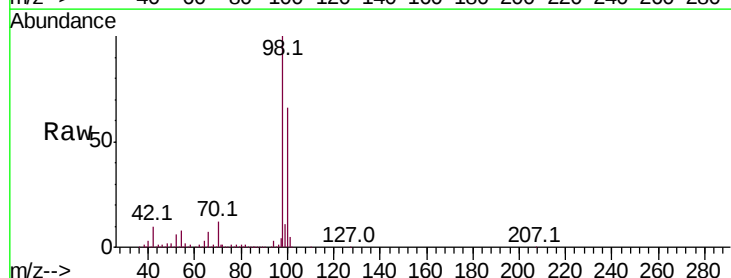
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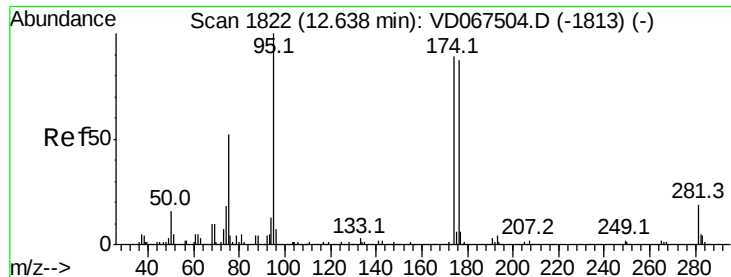
Tot Ion: 98 Resp: 490003
Ion Ratio Lower Upper
98 100
100 66.0 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 1.923 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.11 min
Lab File: VD067588.D
Acq: 10 Nov 2020 17:50

Tgt Ion: 43 Resp: 1659
Ion Ratio Lower Upper
43 100
58 226.4 35.6 53.4#





#62

4-Bromofluorobenzene

Concen: 61.480 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067588.D

Acq: 10 Nov 2020 17:50

Instrument :

MSVOA_D

ClientSampleId :

TRANSFORMER-5-1-BOTTOM

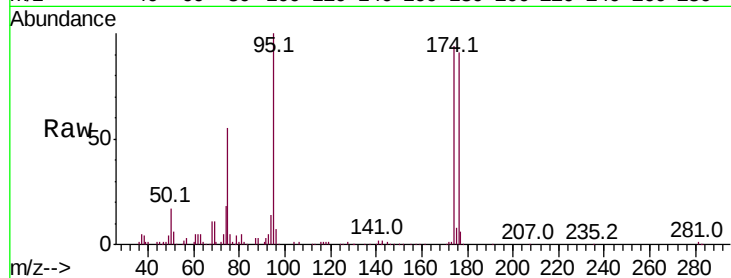
Tot Ion: 95 Resp: 184473

Ion Ratio Lower Upper

95 100

174 89.7 0.0 177.8

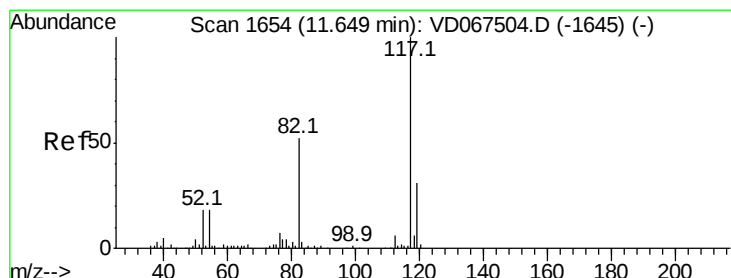
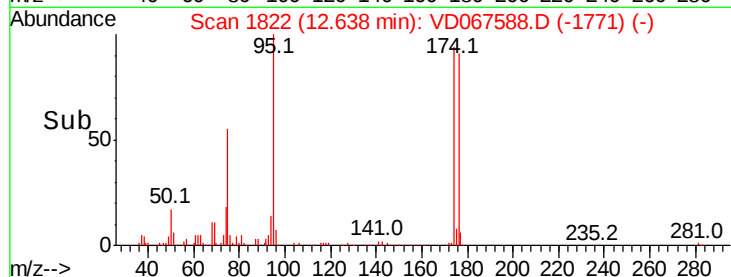
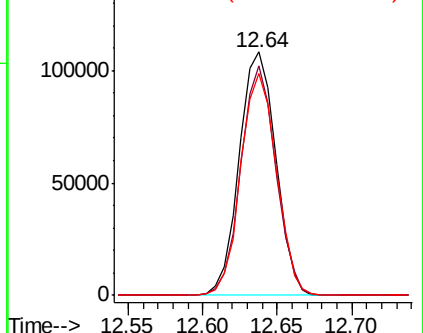
176 88.9 0.0 172.0



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: VD067588.D

Acq: 10 Nov 2020 17:50

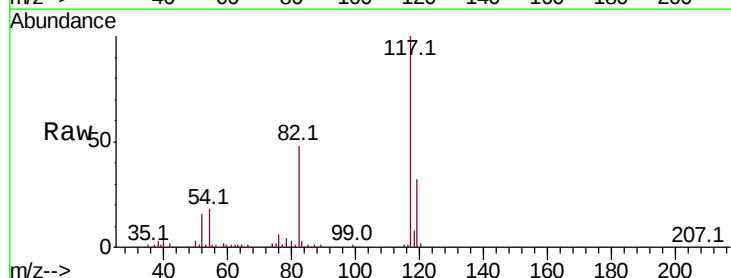
Tgt Ion: 117 Resp: 427027

Ion Ratio Lower Upper

117 100

82 48.0 41.6 62.4

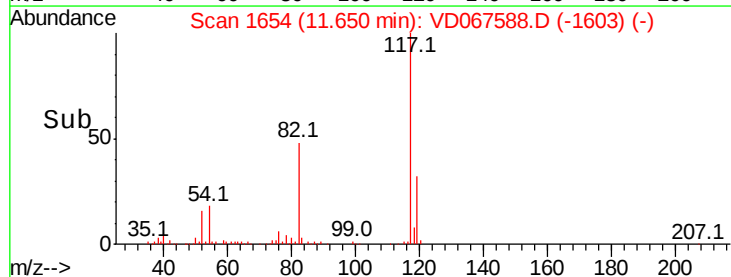
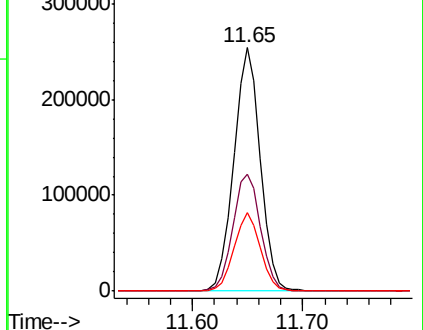
119 32.0 25.1 37.7

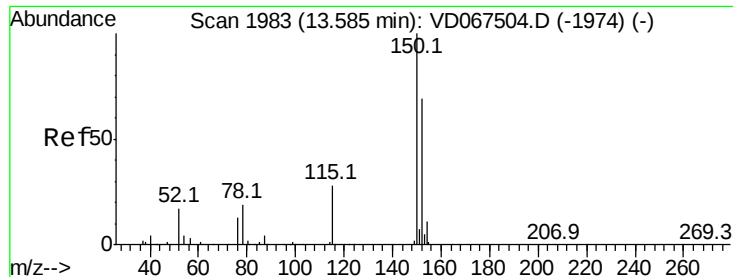


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD067588.D

Acq: 10 Nov 2020 17:50

Instrument :

MSVOA_D

ClientSampleId :

TRANSFORMER-5-1-BOTTOM

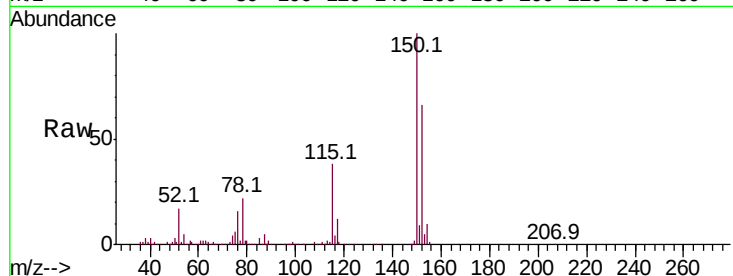
Tot Ion:152 Resp: 215220

Ion Ratio Lower Upper

152 100

115 58.1 29.3 88.0

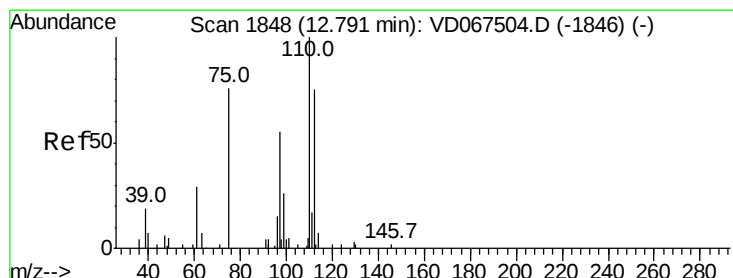
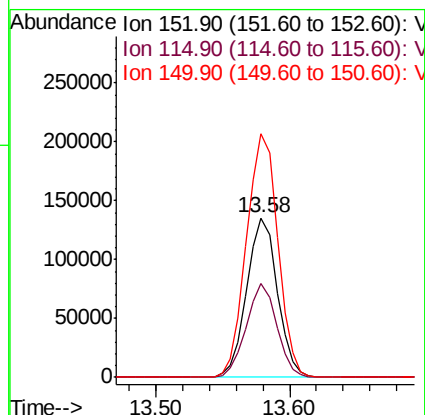
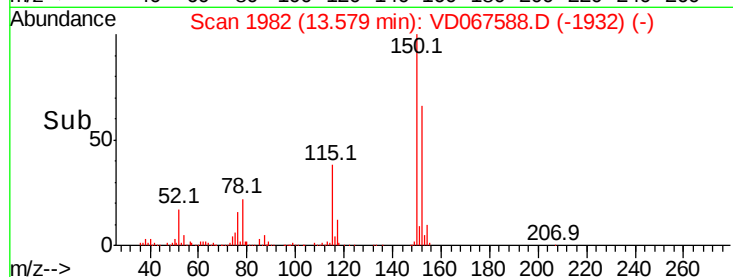
150 155.9 0.0 338.2



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: 75.786 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067588.D

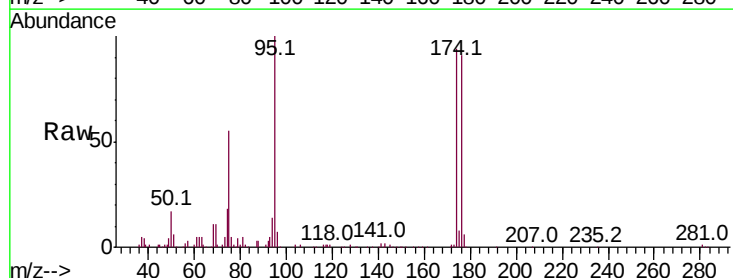
Acq: 10 Nov 2020 17:50

Tgt Ion: 75 Resp: 98395

Ion Ratio Lower Upper

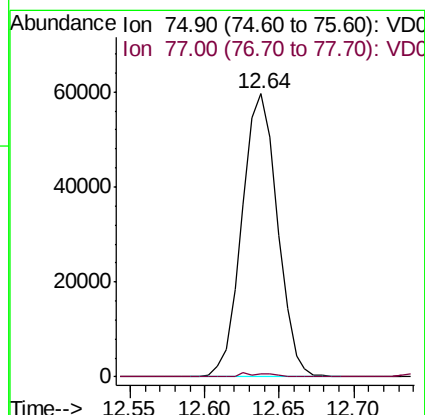
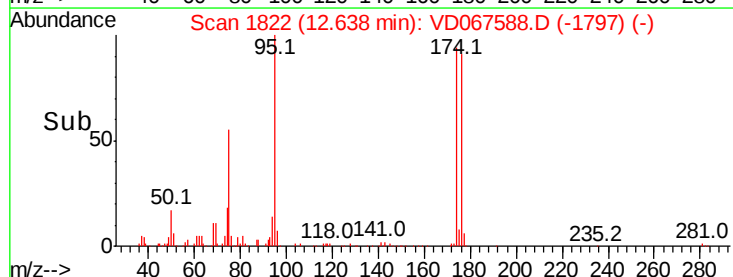
75 100

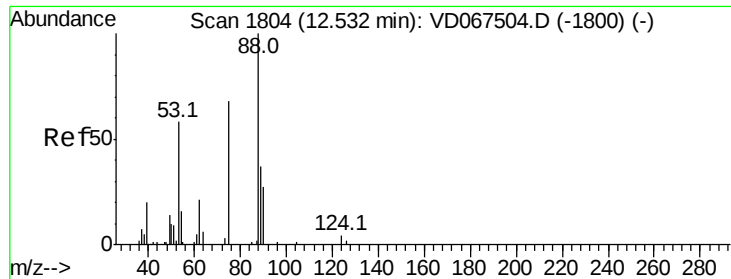
77 1.0 0.0 0.0#



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: 153.865 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067588.D

Acq: 10 Nov 2020 17:50

Instrument :

MSVOA_D

ClientSampleId :

TRANSFORMER-5-1-BOTTOM

Tot Ion: 75 Resp: 98395

Ion Ratio Lower Upper

75 100

53 0.0 75.9 113.9#

89 0.0 44.6 67.0#

