

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111620\
 Data File : VD067644.D
 Acq On : 16 Nov 2020 16:46
 Operator : VA/SY
 Sample : L4687-08
 Misc : 4.42G/5.01ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SS-7

Quant Time: Nov 17 01:08:50 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	253609	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	410421	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	428247	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	217331	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	122149	55.08	ug/l	0.00
Spiked Amount			Recovery	=	110.16%	
35) Dibromofluoromethane	7.92	113	128253	51.87	ug/l	0.00
Spiked Amount			Recovery	=	103.74%	
50) Toluene-d8	10.34	98	481485	55.41	ug/l	0.00
Spiked Amount			Recovery	=	110.82%	
62) 4-Bromofluorobenzene	12.64	95	183292	61.09	ug/l	0.00
Spiked Amount			Recovery	=	122.18%	

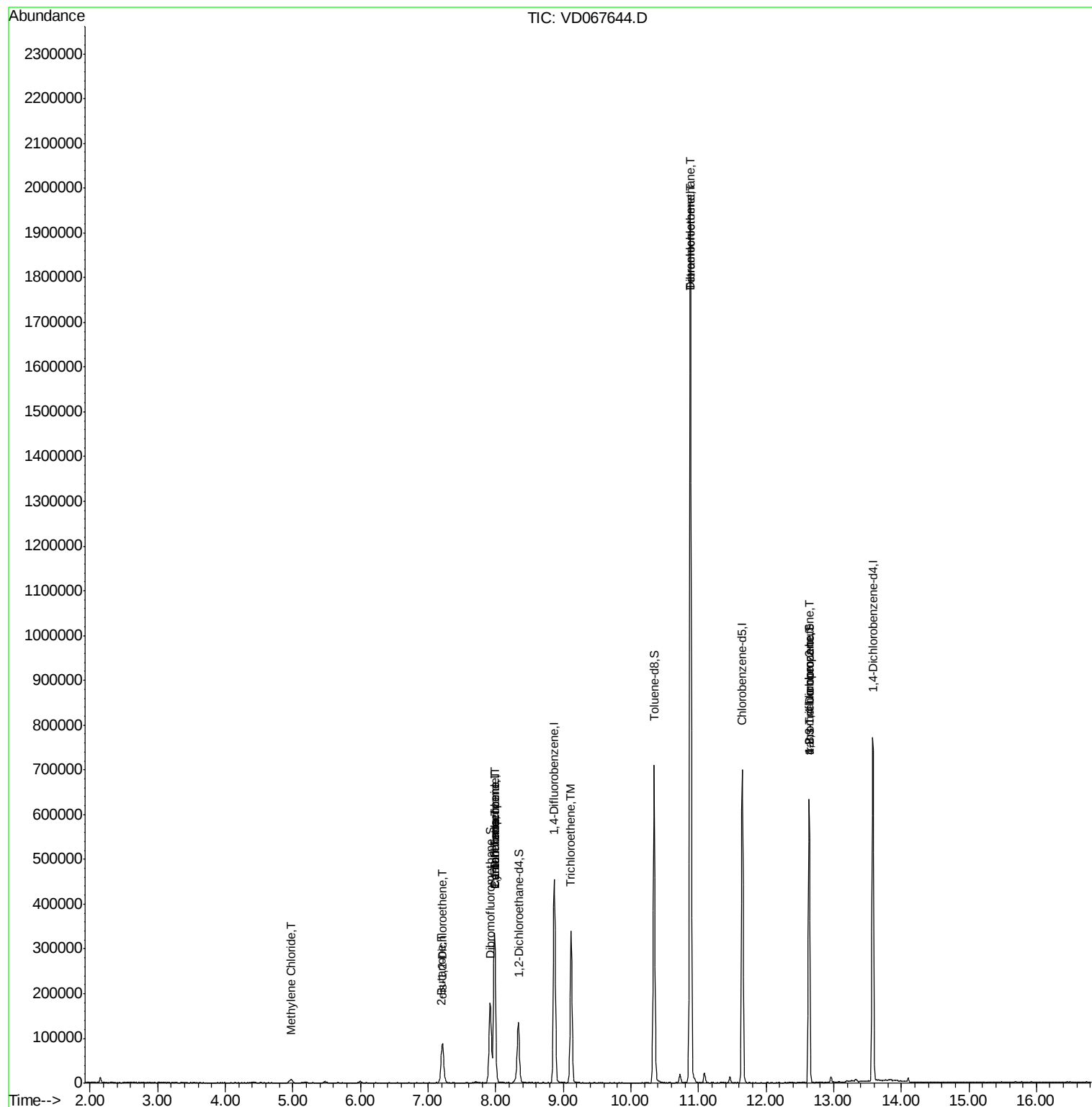
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	399	Below Cal	#	79
20) Methylene Chloride	4.97	84	6773	2.889	ug/l	88
25) 2-Butanone	7.20	43	394	1.111	ug/l #	37
27) cis-1,2-Dichloroethene	7.21	96	53184	20.783	ug/l	89
31) Cyclohexane	7.98	56	5402	1.680	ug/l #	39
36) 1,1-Dichloropropene	7.98	75	17313	4.928	ug/l #	50
38) Carbon Tetrachloride	7.98	117	26279	5.757	ug/l #	16
44) Trichloroethene	9.12	130	130461	41.694	ug/l	93
60) Dibromochloromethane	10.88	129	420621	164.274	ug/l #	11
64) Tetrachloroethene	10.88	164	462017	145.675	ug/l	97
76) 1,2,3-Trichloropropane	12.64	75	97759	74.565	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	97759	151.386	ug/l #	10

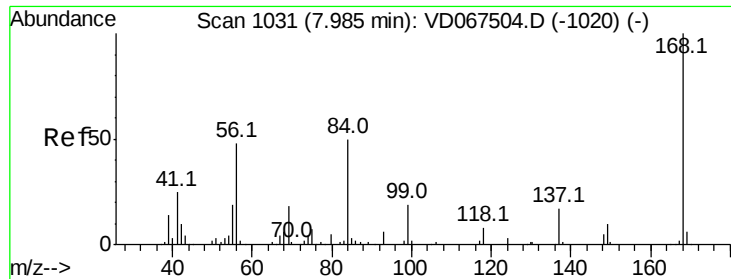
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067644.D

Acq: 16 Nov 2020 16:46

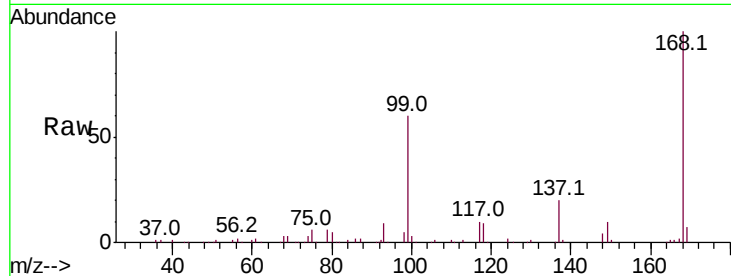
Instrument :
MSVOA_D
ClientSampleId :
SS-7

Tot Ion:168 Resp: 253609

Ion Ratio Lower Upper

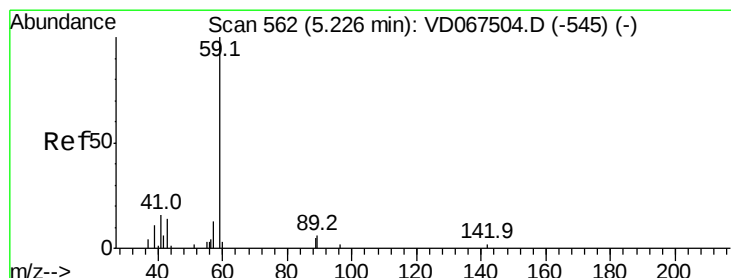
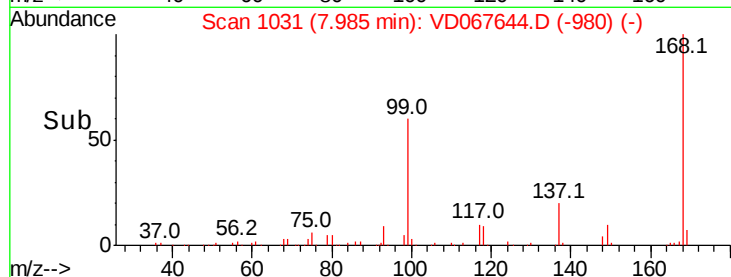
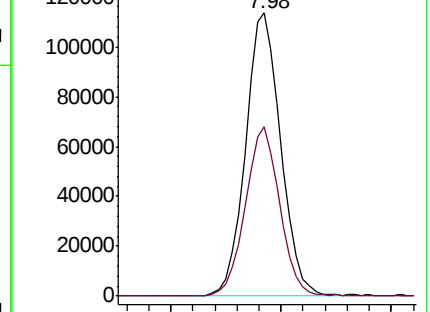
168 100

99 59.9 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: 5.16 min Scan# 551

Delta R.T. -0.06 min

Lab File: VD067644.D

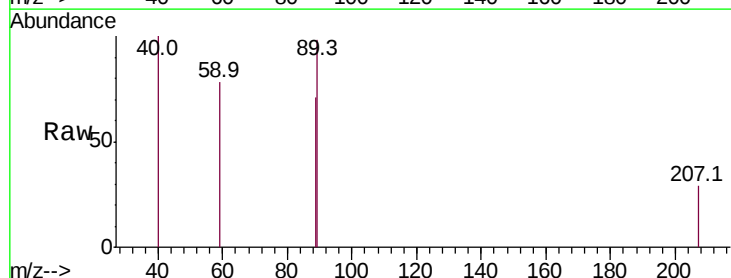
Acq: 16 Nov 2020 16:46

Tgt Ion: 59 Resp: 399

Ion Ratio Lower Upper

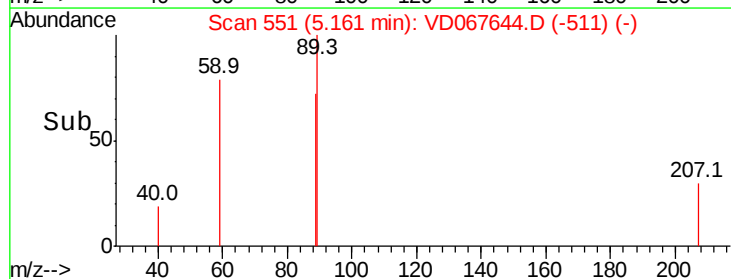
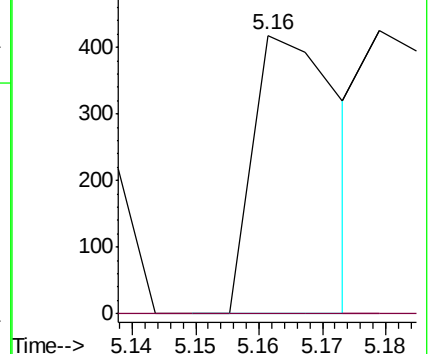
59 100

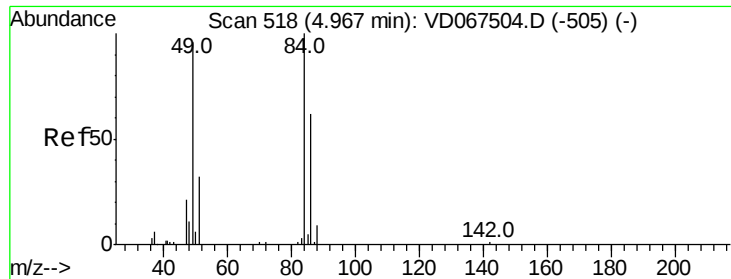
57 0.0 5.9 8.9#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

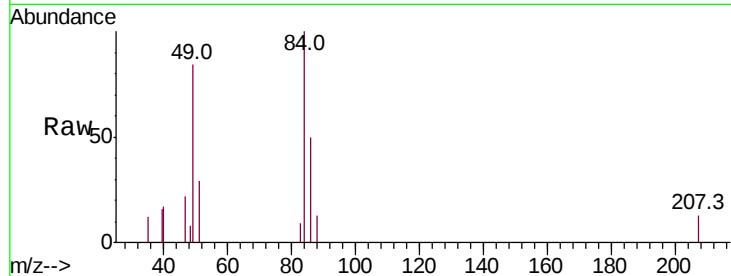




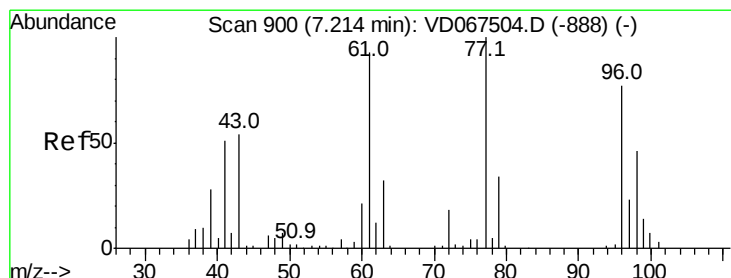
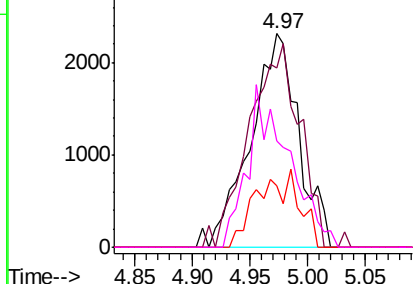
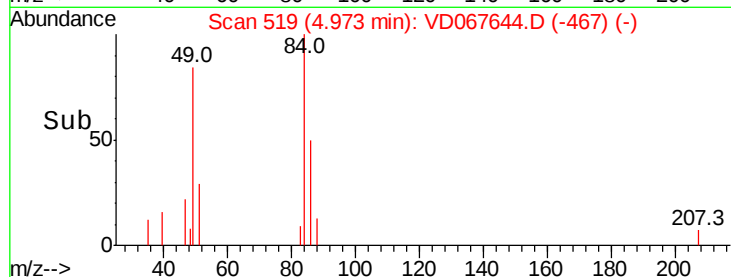
#20
Methvlene Chloride
Concen: 2.889 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD067644.D
Acq: 16 Nov 2020 16:46

Instrument :
MSVOA_D
ClientSampleId :
SS-7

Tot Ion:	84	Resp:	6773
Ion	Ratio	Lower	Upper
84	100		
49	83.7	77.0	115.4
51	29.0	25.4	38.2
86	49.6	49.4	74.0

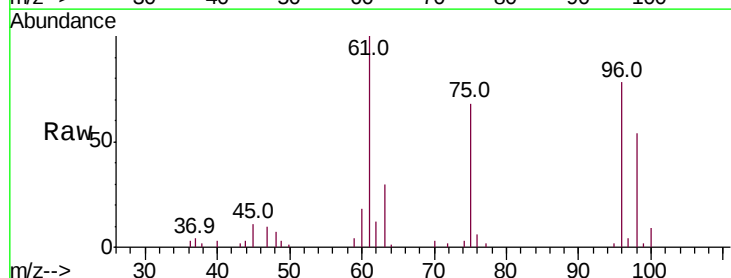


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

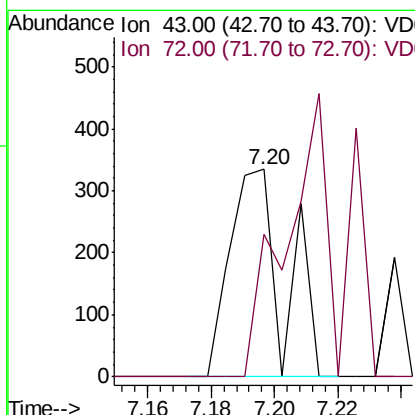
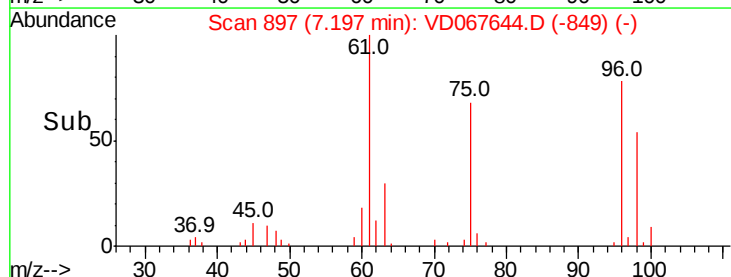


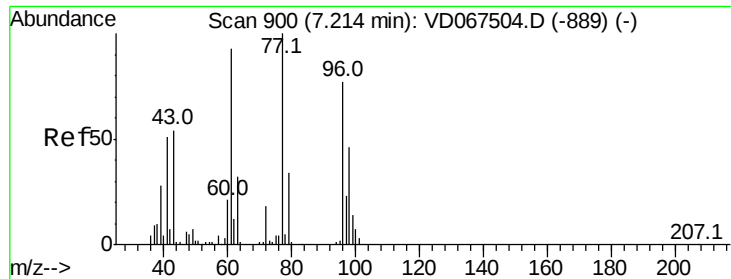
#25
2-Butanone
Concen: 1.111 ug/l
RT: 7.20 min Scan# 897
Delta R.T. -0.02 min
Lab File: VD067644.D
Acq: 16 Nov 2020 16:46

Tgt Ion:	43	Resp:	394
Ion	Ratio	Lower	Upper
43	100		
72	68.4	26.4	39.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



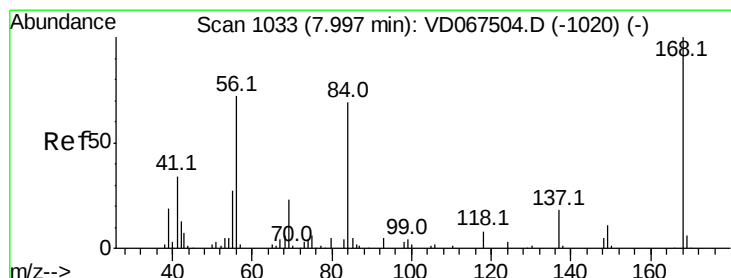
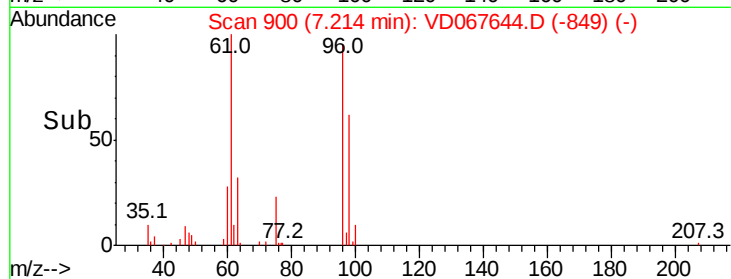
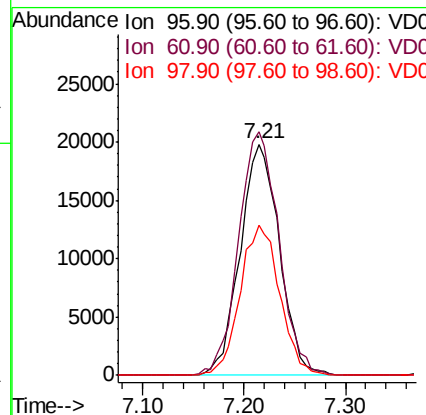
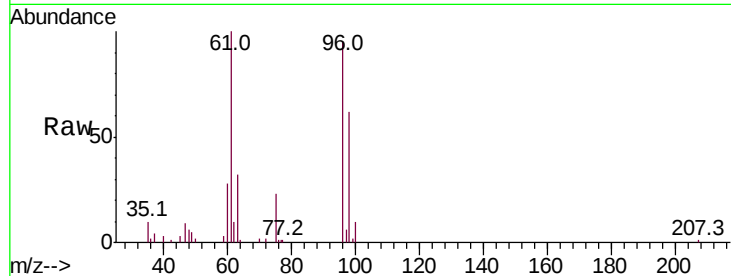


#27

cis-1,2-Dichloroethene
 Concen: 20.783 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD067644.D
 Acq: 16 Nov 2020 16:46

Instrument :
 MSVOA_D
 ClientSampled :
 SS-7

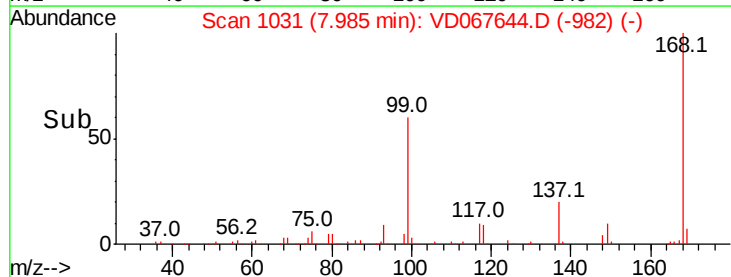
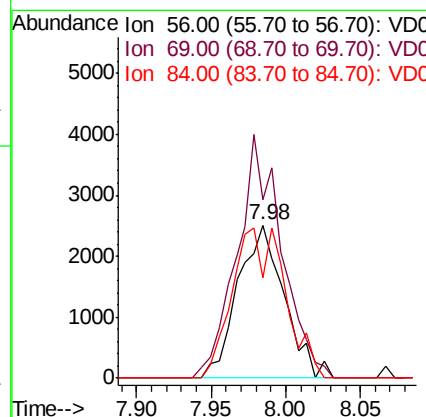
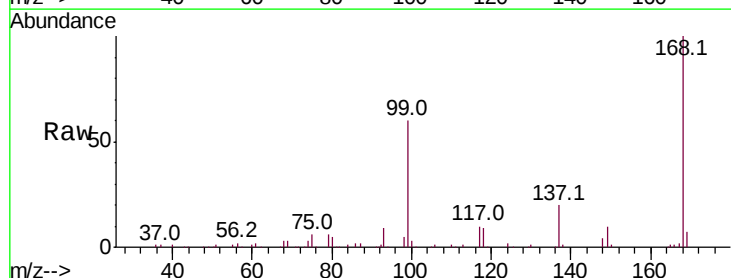
Tot Ion: 96 Resp: 53184
 Ion Ratio Lower Upper
 96 100
 61 108.2 0.0 251.6
 98 65.4 0.0 128.0

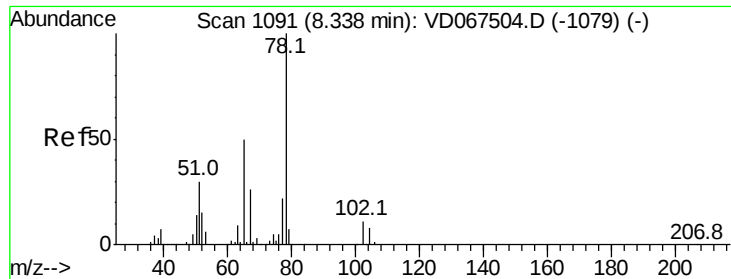


#31

Cyclohexane
 Concen: 1.680 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.01 min
 Lab File: VD067644.D
 Acq: 16 Nov 2020 16:46

Tgt Ion: 56 Resp: 5402
 Ion Ratio Lower Upper
 56 100
 69 116.4 25.9 38.9#
 84 65.2 76.2 114.4#





#33

1,2-Dichloroethane-d4

Concen: 55.083 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD067644.D

Acq: 16 Nov 2020 16:46

Instrument :

MSVOA_D

ClientSampleId :

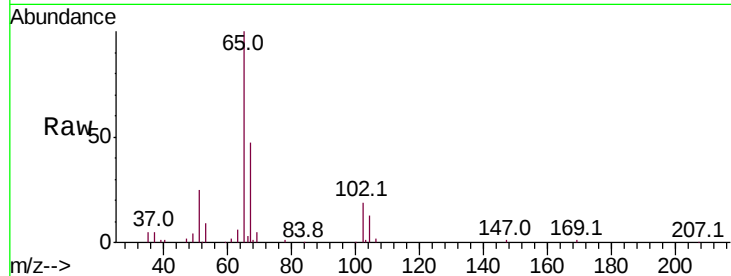
SS-7

Tot Ion: 65 Resp: 122149

Ion Ratio Lower Upper

65 100

67 47.8 0.0 99.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

60000

50000

40000

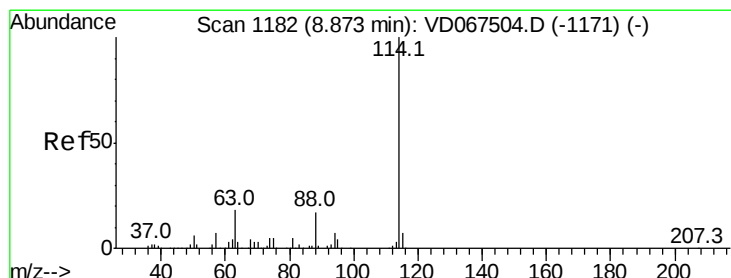
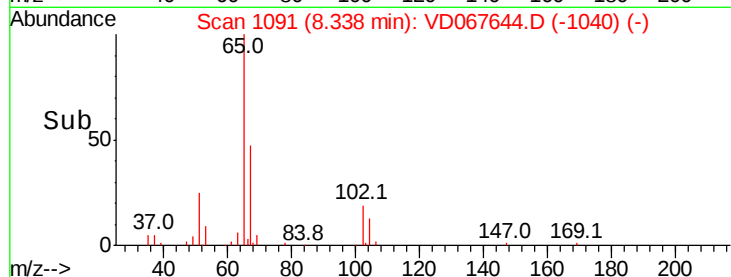
30000

20000

10000

0

Time--> 8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VD067644.D

Acq: 16 Nov 2020 16:46

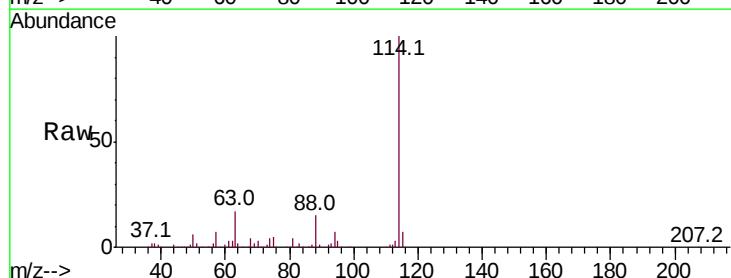
Tgt Ion: 114 Resp: 410421

Ion Ratio Lower Upper

114 100

63 16.8 0.0 35.0

88 14.8 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

250000

200000

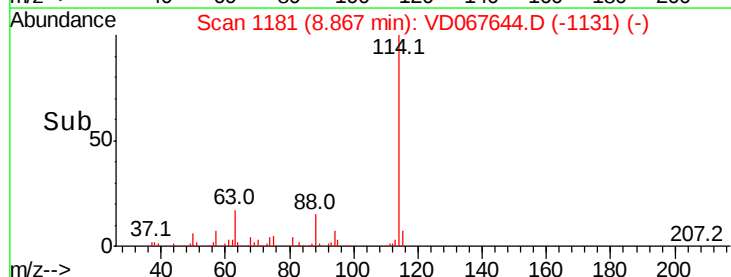
150000

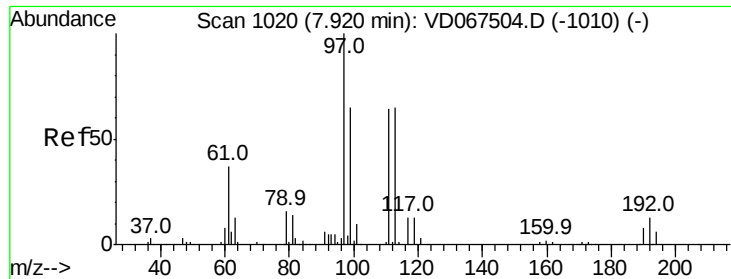
100000

50000

0

Time--> 8.80 8.90 9.00

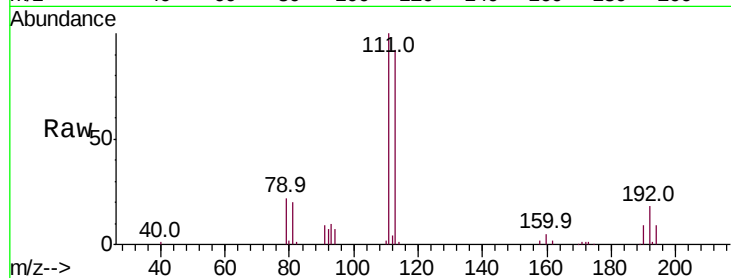




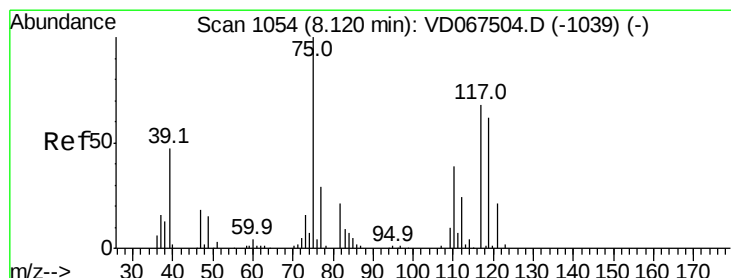
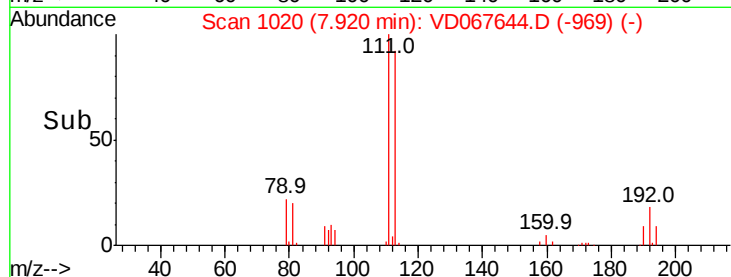
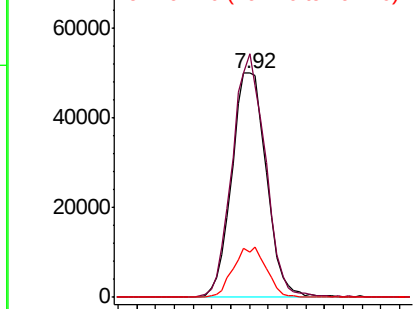
#35
 Dibromofluoromethane
 Concen: 51.866 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067644.D
 Acq: 16 Nov 2020 16:46

Instrument :
 MSVOA_D
 ClientSampleId :
 SS-7

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	80.0	120.0
192	21.5	16.3	24.5

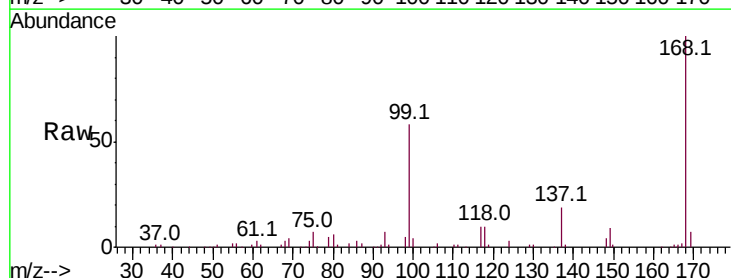


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

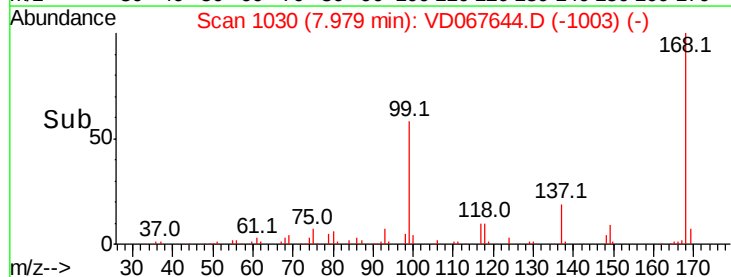
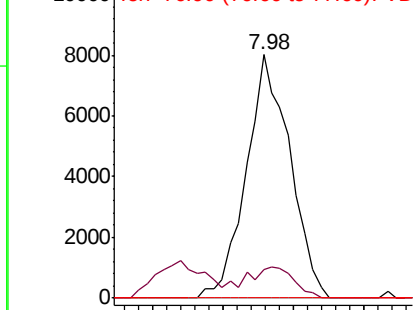


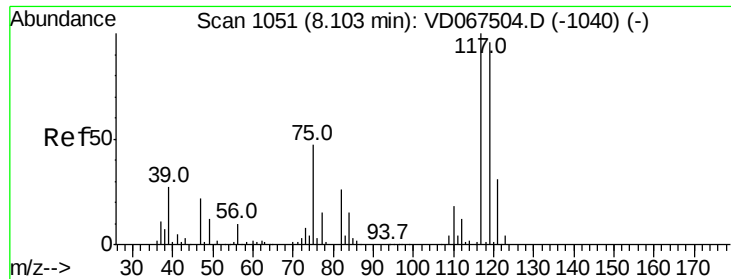
#36
 1,1-Dichloropropene
 Concen: 4.928 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067644.D
 Acq: 16 Nov 2020 16:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.4	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





#38

Carbon Tetrachloride

Concen: 5.757 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067644.D

Acq: 16 Nov 2020 16:46

Instrument :

MSVOA_D

ClientSampleId :

SS-7

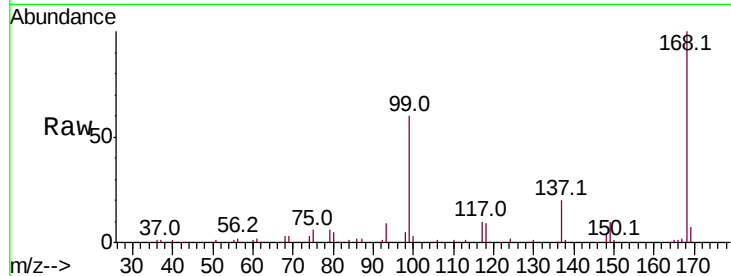
Tot Ion:117 Resp: 26279

Ion Ratio Lower Upper

117 100

119 4.9 76.9 115.3#

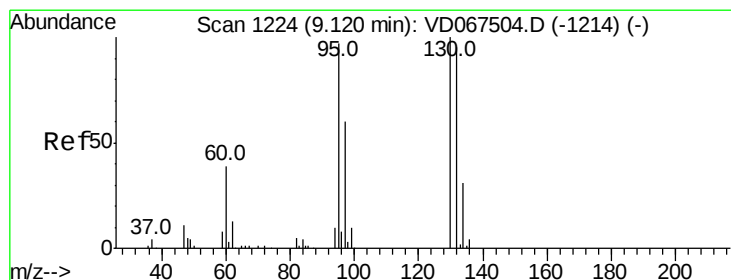
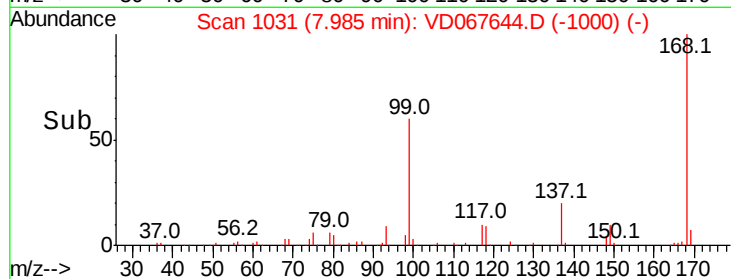
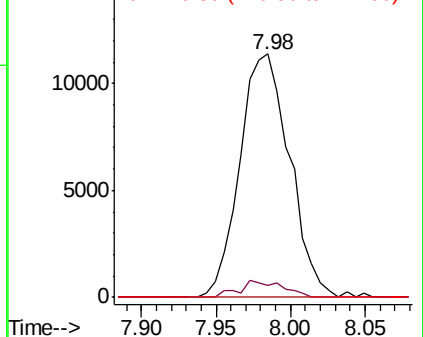
121 0.0 24.5 36.7#



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



#44

Trichloroethene

Concen: 41.694 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD067644.D

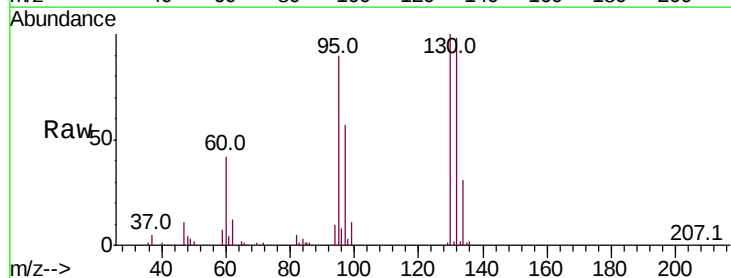
Acq: 16 Nov 2020 16:46

Tgt Ion:130 Resp: 130461

Ion Ratio Lower Upper

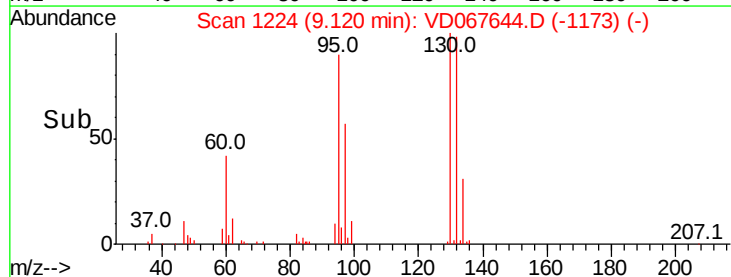
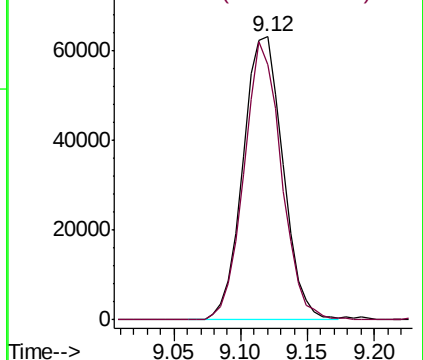
130 100

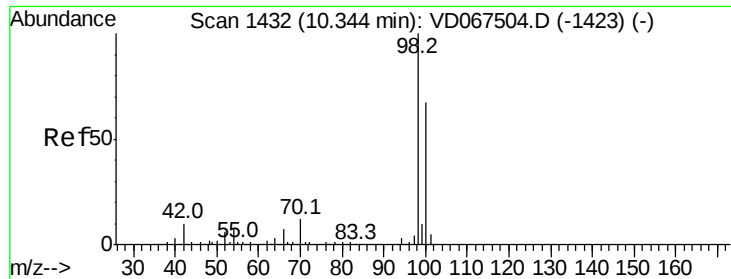
95 90.3 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 55.407 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067644.D

Acq: 16 Nov 2020 16:46

Instrument :

MSVOA_D

ClientSampleId :

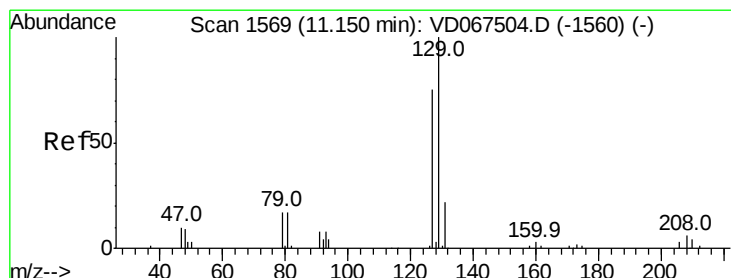
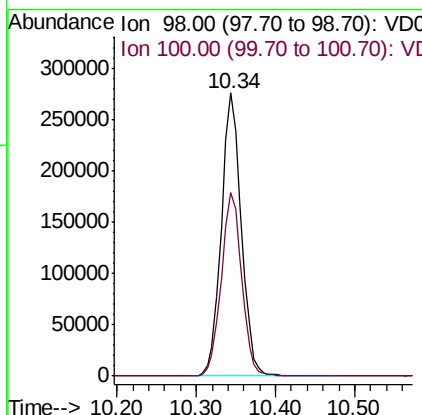
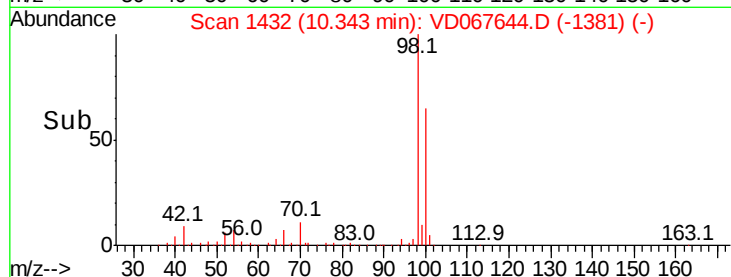
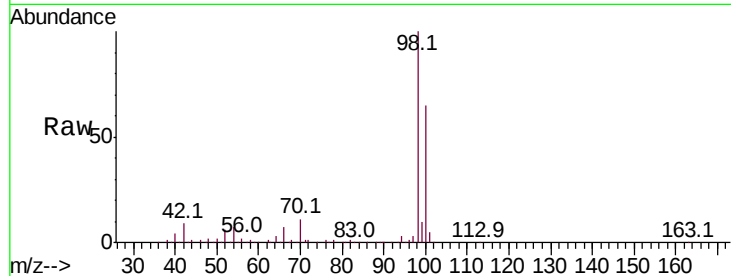
SS-7

Tot Ion: 98 Resp: 481485

Ion Ratio Lower Upper

98 100

100 66.0 53.0 79.6



#60

Dibromochloromethane

Concen: 164.274 ug/l

RT: 10.88 min Scan# 1523

Delta R.T. -0.27 min

Lab File: VD067644.D

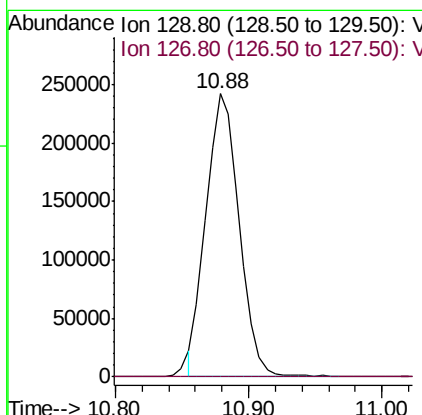
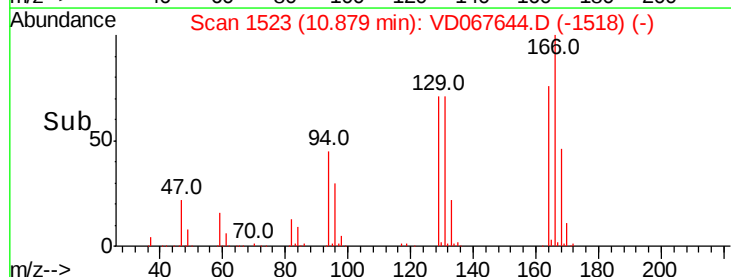
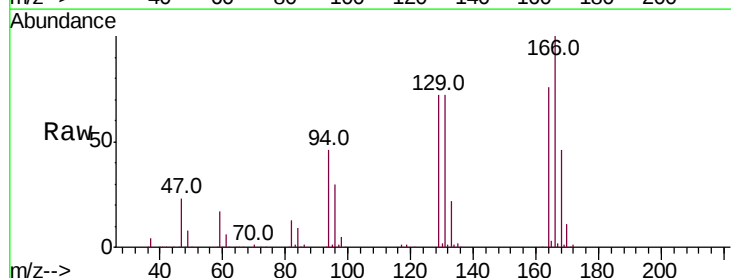
Acq: 16 Nov 2020 16:46

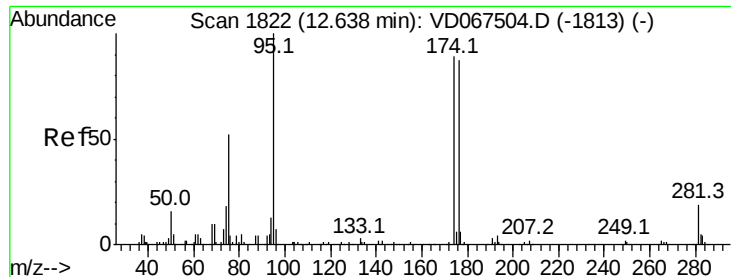
Tgt Ion:129 Resp: 420621

Ion Ratio Lower Upper

129 100

127 0.1 38.0 114.1#





#62

4-Bromofluorobenzene

Concen: 61.094 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067644.D

Acq: 16 Nov 2020 16:46

Instrument :

MSVOA_D

ClientSampled :

SS-7

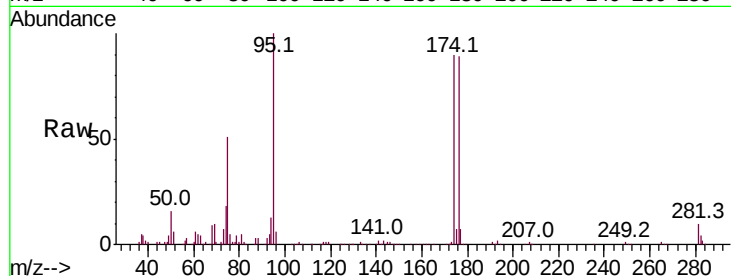
Tot Ion: 95 Resp: 183292

Ion Ratio Lower Upper

95 100

174 91.7 0.0 177.8

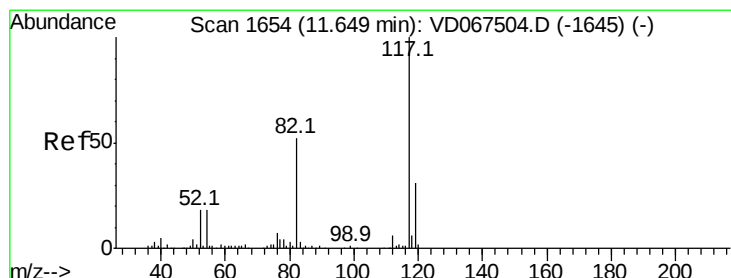
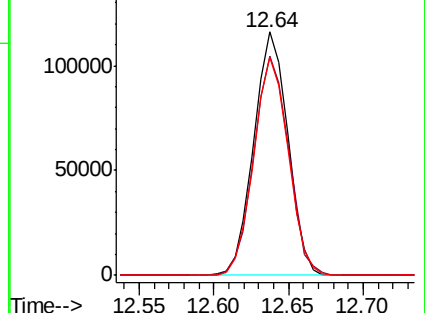
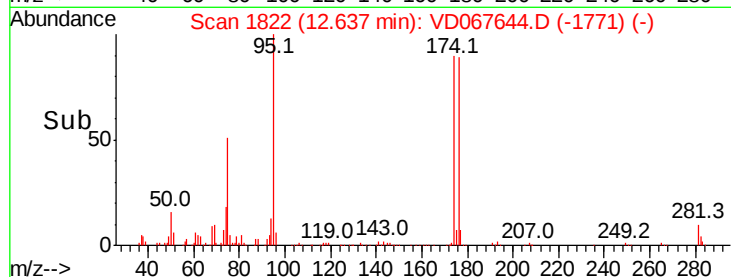
176 90.0 0.0 172.0



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: VD067644.D

Acq: 16 Nov 2020 16:46

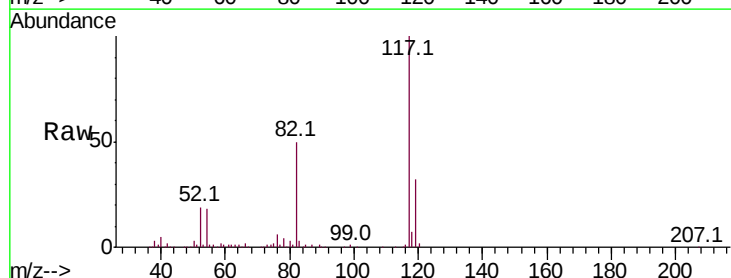
Tgt Ion: 117 Resp: 428247

Ion Ratio Lower Upper

117 100

82 49.8 41.6 62.4

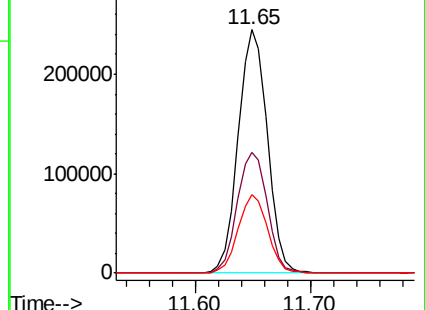
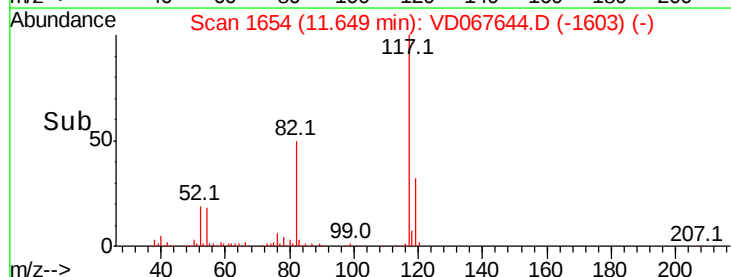
119 32.0 25.1 37.7

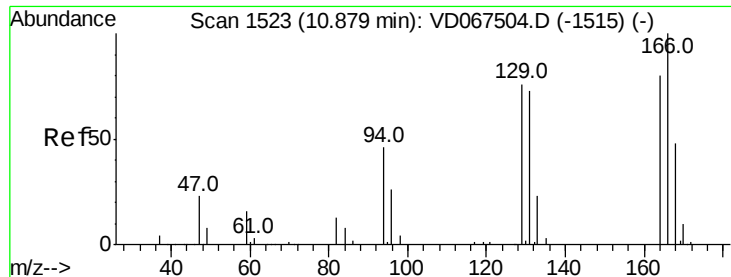


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 145.675 ug/l

RT: 10.88 min Scan# 1523

Delta R.T. -0.00 min

Lab File: VD067644.D

Acq: 16 Nov 2020 16:46

Instrument :

MSVOA_D

ClientSampleId :

SS-7

Tot Ion:164 Resp: 462017

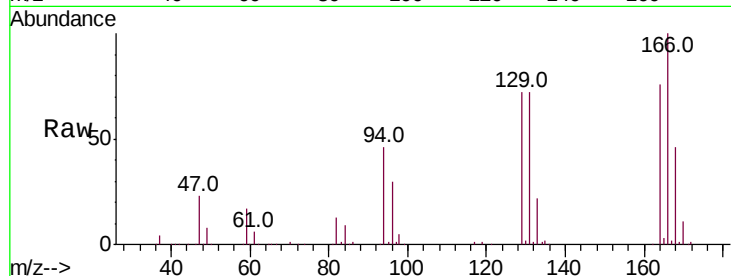
Ion Ratio Lower Upper

164 100

166 130.8 99.9 149.9

129 93.9 75.5 113.3

131 93.9 73.4 110.0



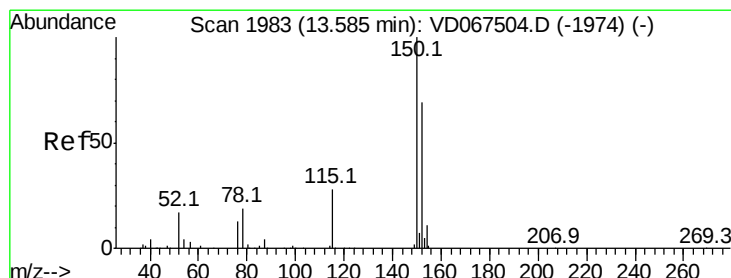
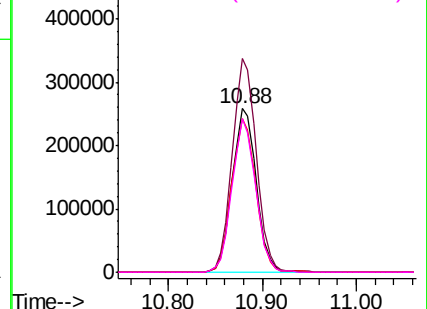
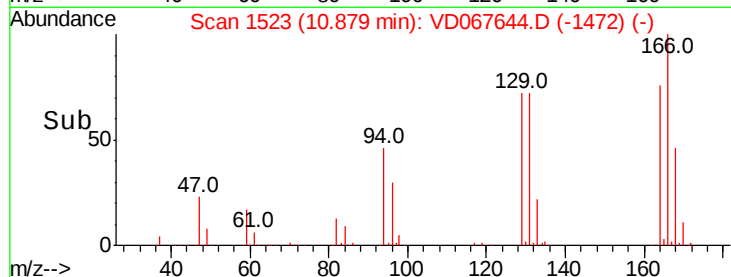
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VD067644.D

Acq: 16 Nov 2020 16:46

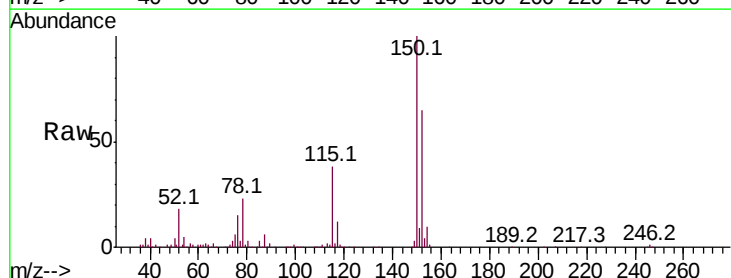
Tgt Ion:152 Resp: 217331

Ion Ratio Lower Upper

152 100

115 57.7 29.3 88.0

150 157.7 0.0 338.2

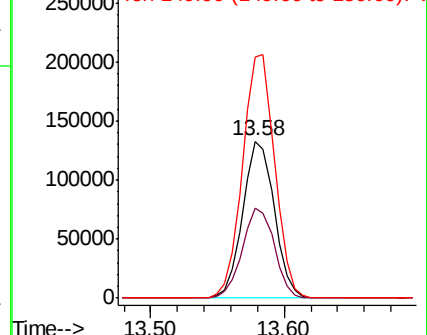
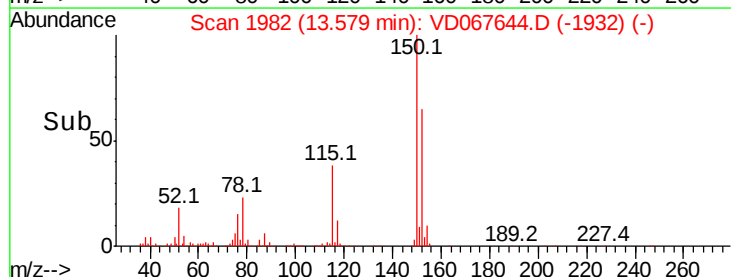


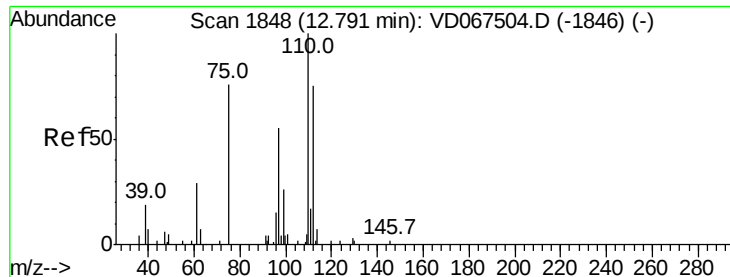
Abundance

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: 74.565 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067644.D

Acq: 16 Nov 2020 16:46

Instrument :

MSVOA_D

ClientSampleId :

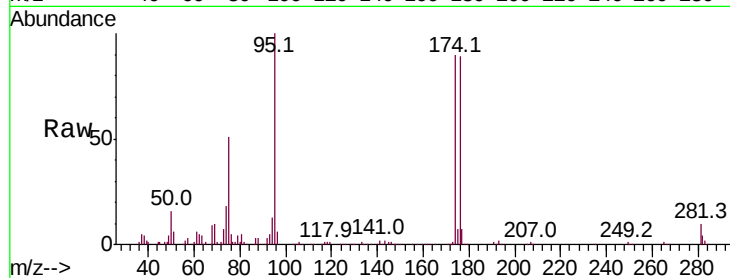
SS-7

Tot Ion: 75 Resp: 97759

Ion Ratio Lower Upper

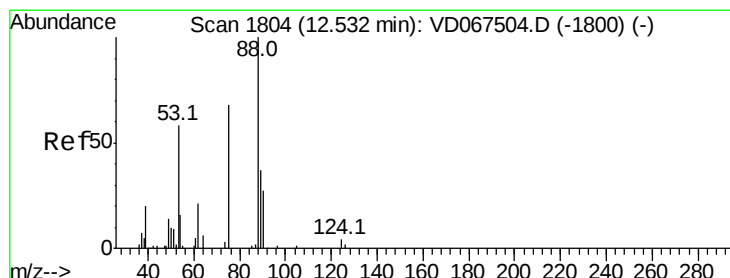
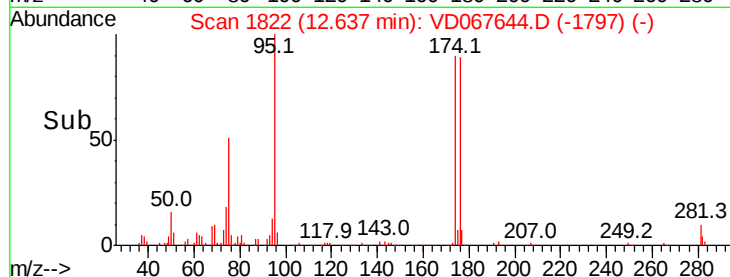
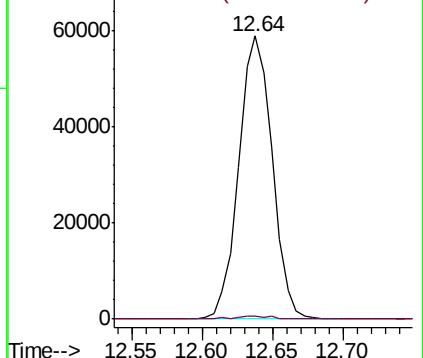
75 100

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: 151.386 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067644.D

Acq: 16 Nov 2020 16:46

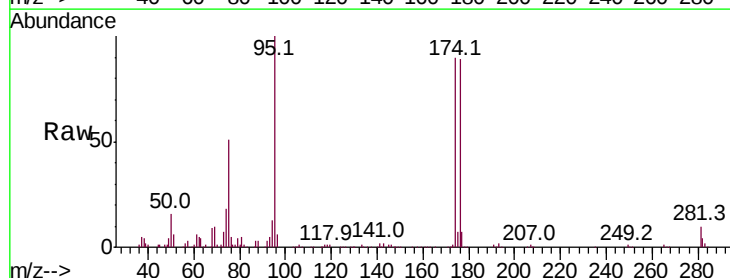
Tgt Ion: 75 Resp: 97759

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

