

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111620\
 Data File : VD067645.D
 Acq On : 16 Nov 2020 17:13
 Operator : VA/SY
 Sample : L4687-09
 Misc : 5.83G/5.01ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SS-8

Quant Time: Nov 17 01:08:59 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

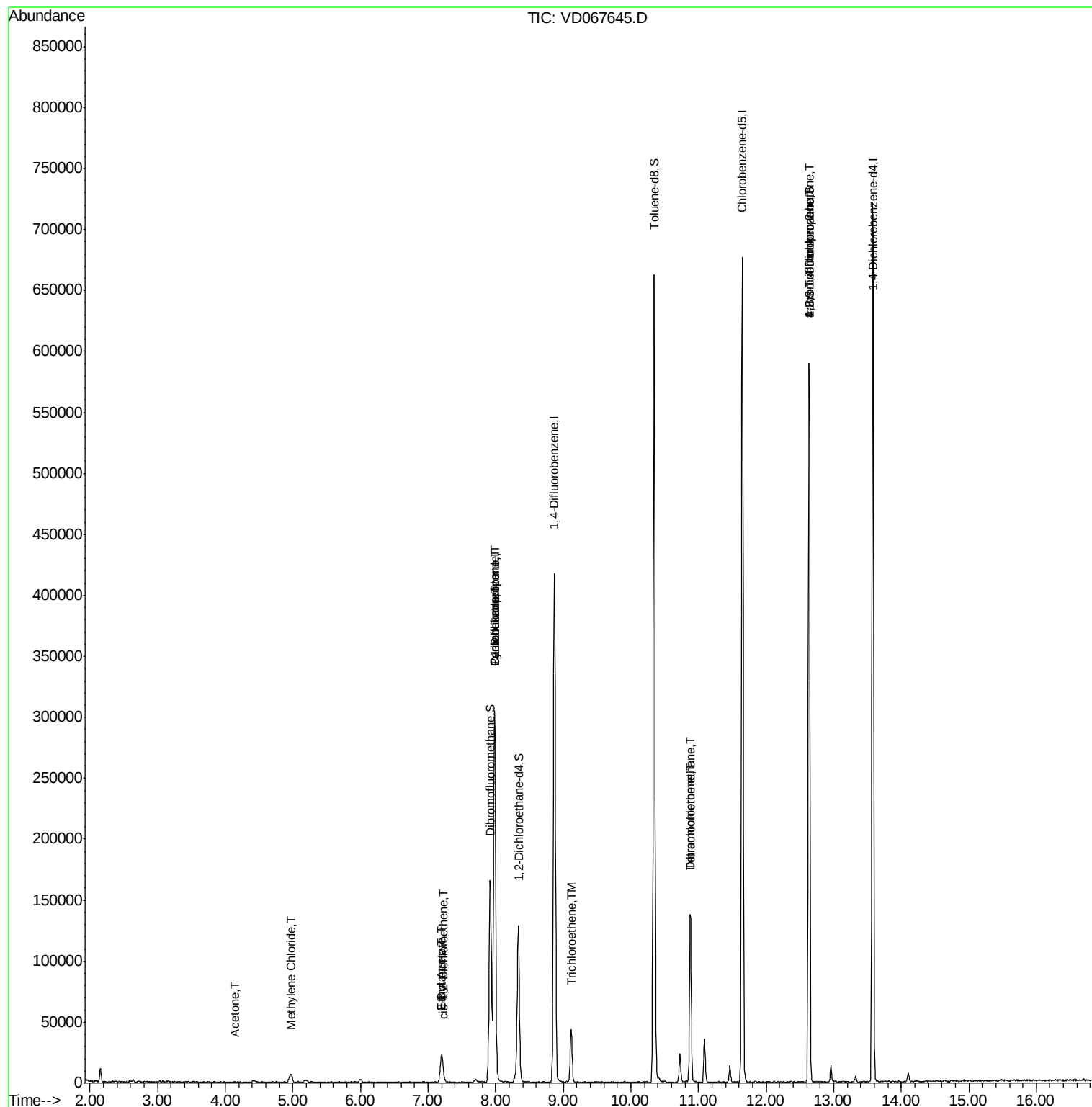
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	229437	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	375779	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	401713	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	203971	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	114611	57.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.26%	
35) Dibromofluoromethane	7.92	113	118854	52.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.00%	
50) Toluene-d8	10.34	98	447616	56.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.52%	
62) 4-Bromofluorobenzene	12.64	95	177311	64.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	129.10%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	59	Below Cal	#	44
11) Tert butyl alcohol	5.23	59	269	Below Cal	#	79
16) Acetone	4.15	43	396	1.319	ug/l #	43
20) Methylene Chloride	4.97	84	6260	2.952	ug/l #	77
25) 2-Butanone	7.20	43	1025	3.195	ug/l #	42
27) cis-1,2-Dichloroethene	7.23	96	5228	2.258	ug/l #	1
31) Cyclohexane	7.98	56	4690	1.612	ug/l #	27
36) 1,1-Dichloropropene	7.98	75	16446	5.113	ug/l #	50
37) Ethyl Acetate	7.20	43	1025	1.227	ug/l #	1
38) Carbon Tetrachloride	7.98	117	22717	5.436	ug/l #	17
44) Trichloroethene	9.12	130	16737	5.842	ug/l	97
60) Dibromochloromethane	10.88	129	28630	12.212	ug/l #	11
64) Tetrachloroethene	10.88	164	32990	11.089	ug/l	91
76) 1,2,3-Trichloropropane	12.64	75	91141	74.070	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	91141	150.382	ug/l #	10

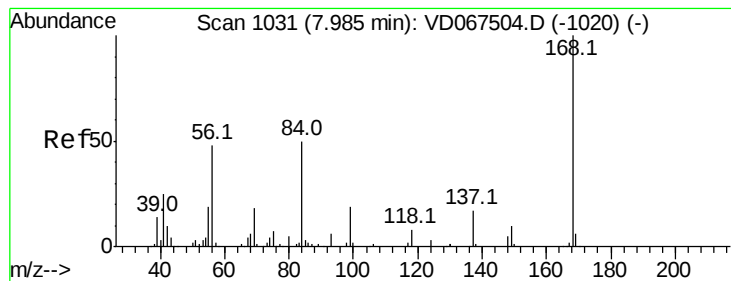
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111620\
Data File : VD067645.D
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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: VD067645.D

Acq: 16 Nov 2020 17:13

Instrument :

MSVOA_D

ClientSampleID :

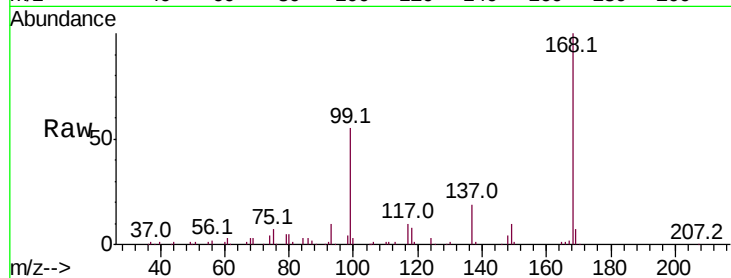
SS-8

Tot Ion:168 Resp: 229437

Ion Ratio Lower Upper

168 100

99 54.8 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

100000

80000

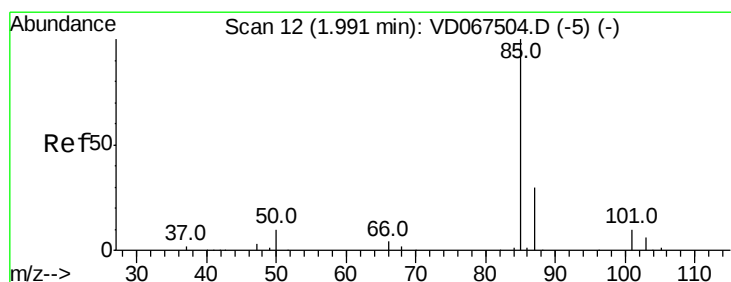
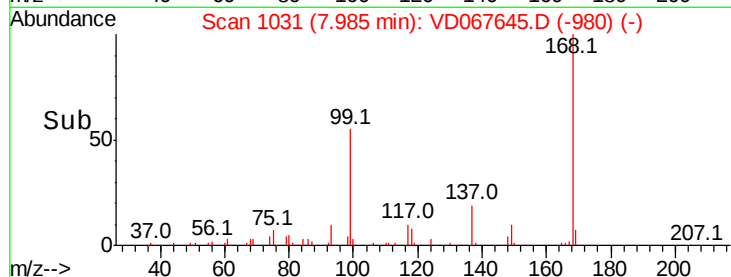
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067645.D

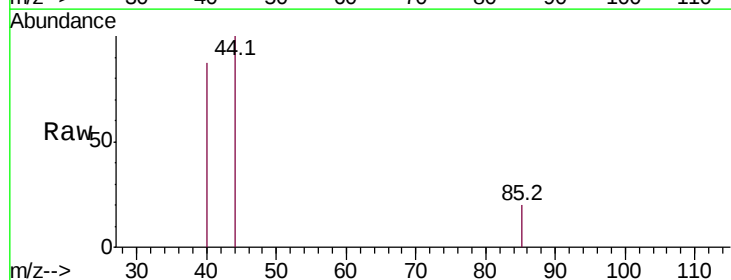
Acq: 16 Nov 2020 17:13

Tgt Ion: 85 Resp: 59

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

1.99

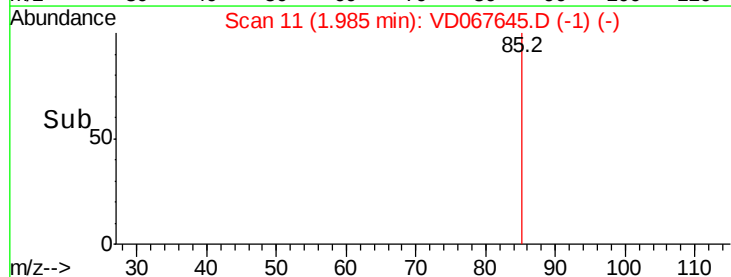
150

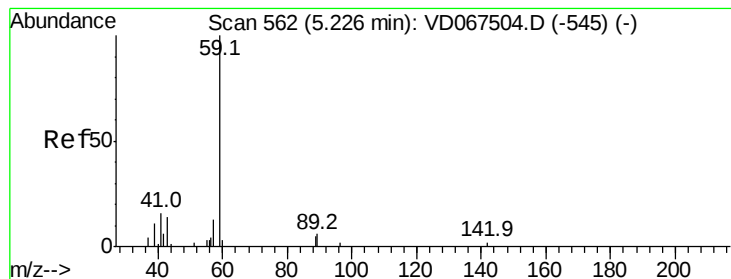
100

50

0

Time-->



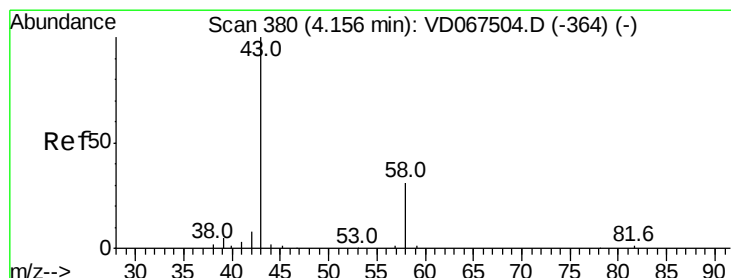
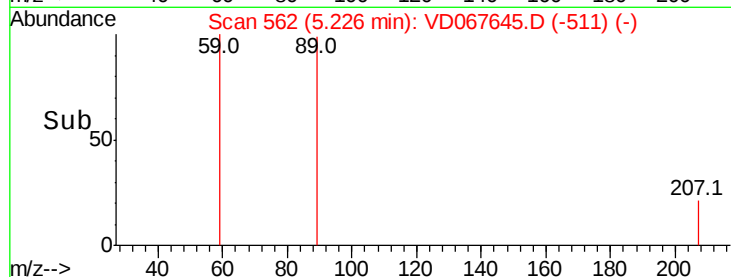
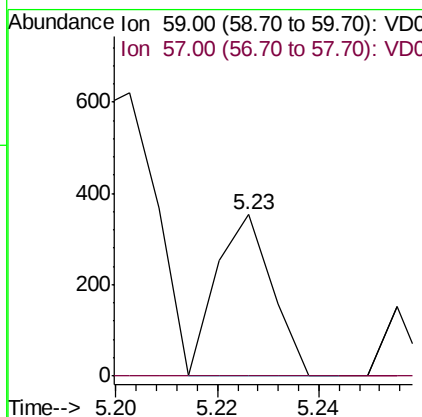
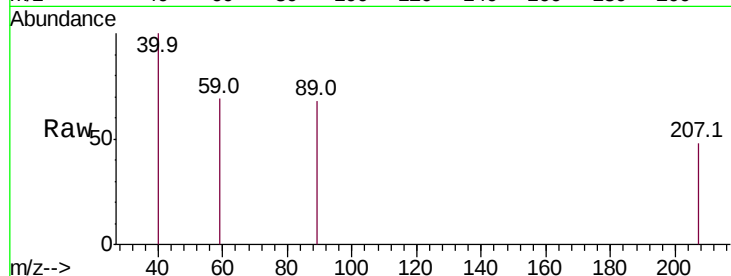


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.23 min Scan# 562
 Delta R.T. 0.00 min
 Lab File: VD067645.D
 Acq: 16 Nov 2020 17:13

Instrument :
 MSVOA_D
 ClientSampleId :
 SS-8

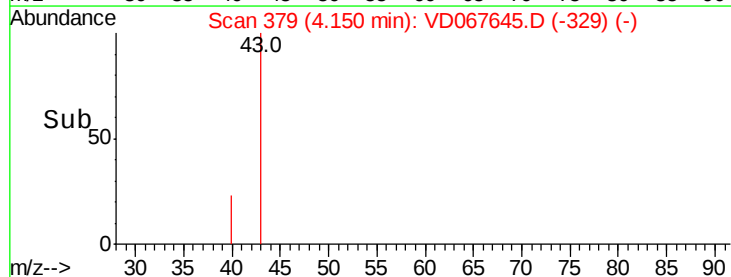
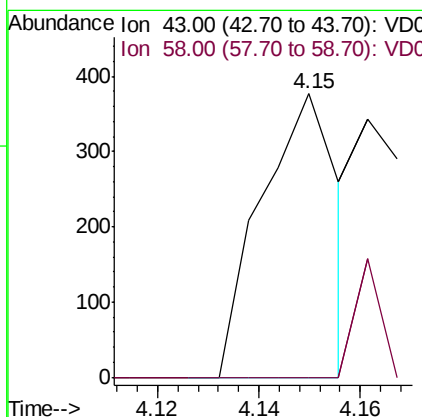
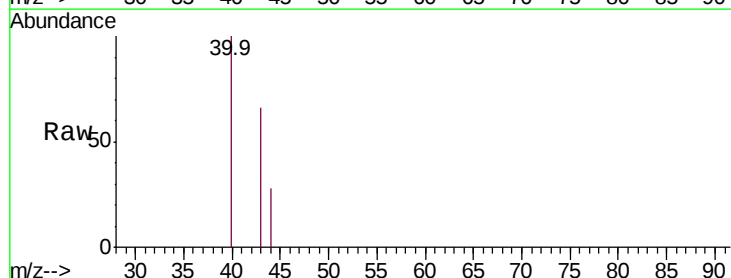
Tot Ion: 59 Resp: 269
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.9 8.9#

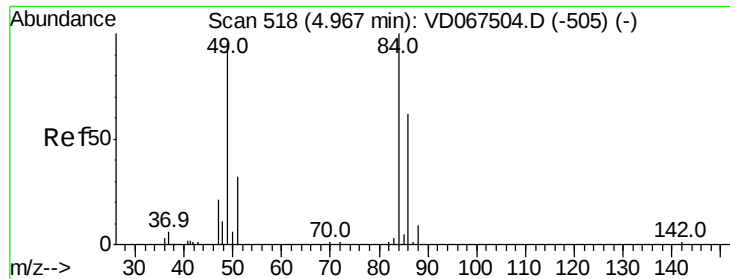


#16

Acetone
 Concen: 1.319 ug/l
 RT: 4.15 min Scan# 379
 Delta R.T. -0.01 min
 Lab File: VD067645.D
 Acq: 16 Nov 2020 17:13

Tgt Ion: 43 Resp: 396
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.2 37.8#





#20

Methvlene Chloride

Concen: 2.952 ug/l

RT: 4.97 min Scan# 518

Delta R.T. -0.00 min

Lab File: VD067645.D

Acq: 16 Nov 2020 17:13

Instrument :

MSVOA_D

ClientSampleId :

SS-8

Tot Ion: 84 Resp: 6260

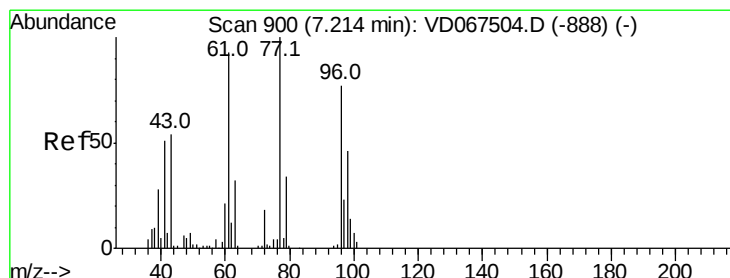
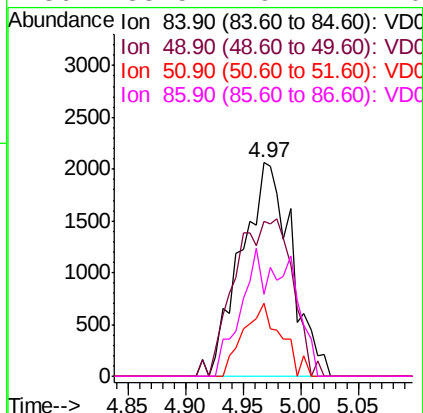
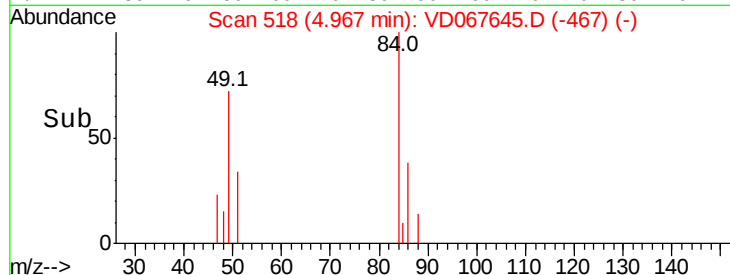
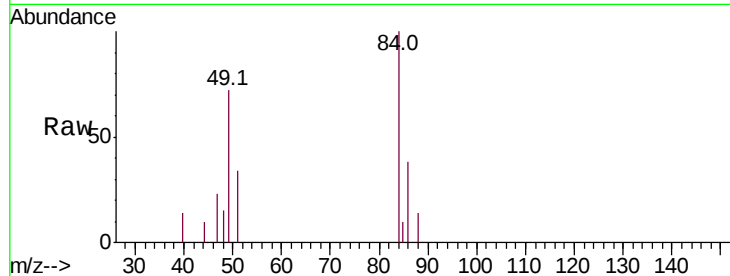
Ion Ratio Lower Upper

84 100

49 72.5 77.0 115.4#

51 34.2 25.4 38.2

86 38.5 49.4 74.0#



#25

2-Butanone

Concen: 3.195 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.02 min

Lab File: VD067645.D

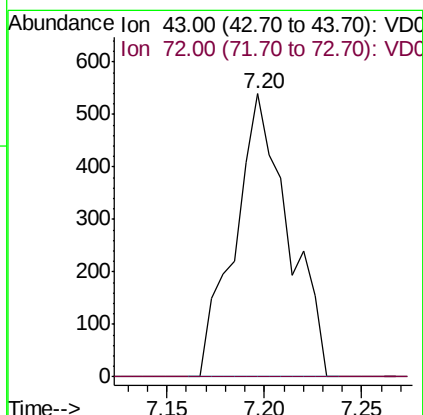
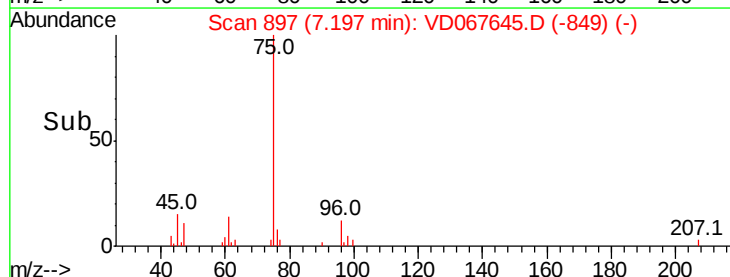
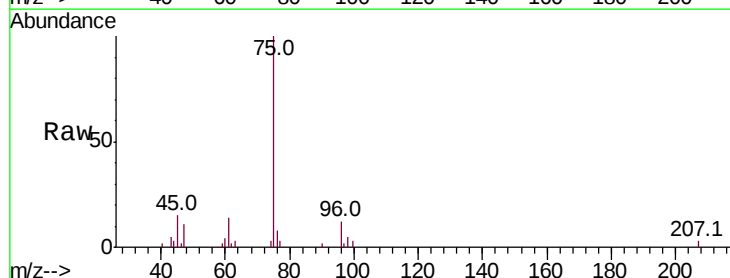
Acq: 16 Nov 2020 17:13

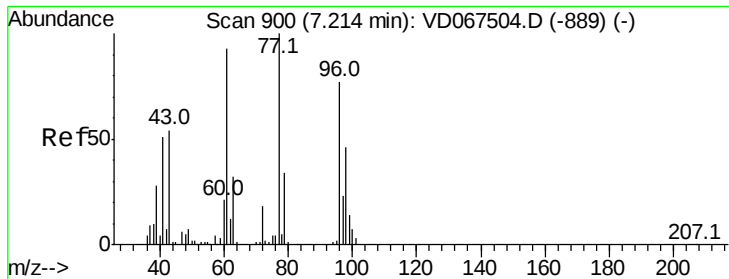
Tgt Ion: 43 Resp: 1025

Ion Ratio Lower Upper

43 100

72 0.0 26.4 39.6#



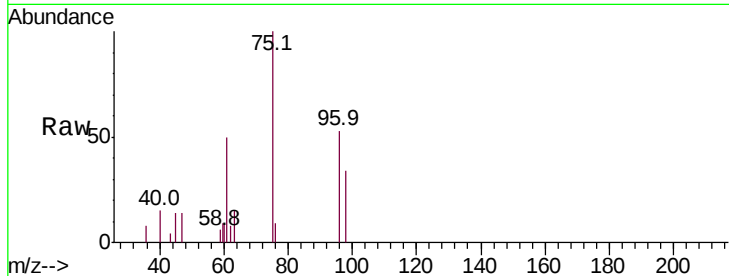


#27

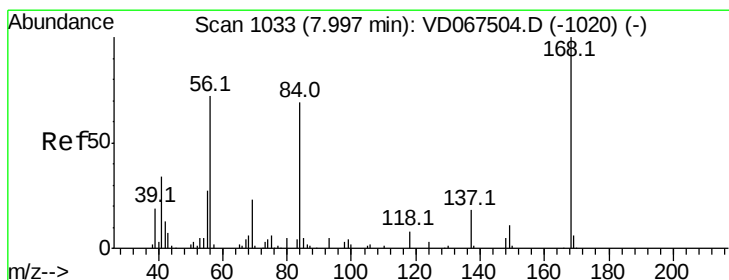
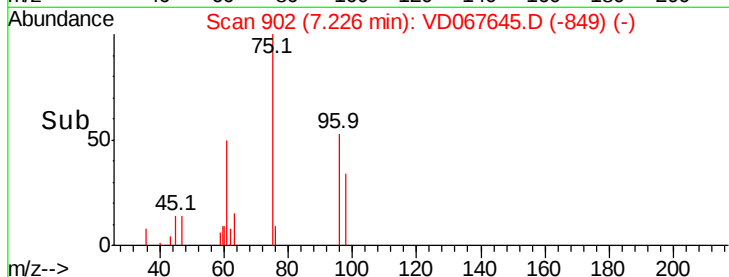
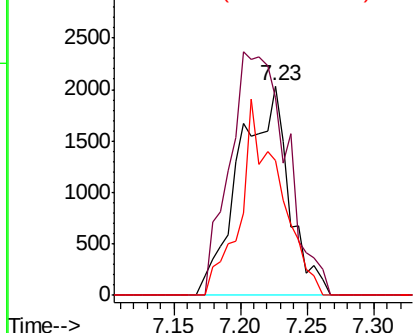
cis-1,2-Dichloroethene
 Concen: 2.258 ug/l
 RT: 7.23 min Scan# 902
 Delta R.T. 0.01 min
 Lab File: VD067645.D
 Acq: 16 Nov 2020 17:13

Instrument :
 MSVOA_D
 ClientSampleId :
 SS-8

Tot Ion: 96 Resp: 5228
 Ion Ratio Lower Upper
 96 100
 61 0.0 0.0 251.6
 98 0.0 0.0 128.0



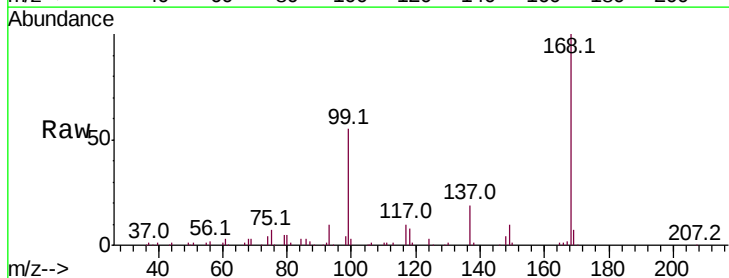
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



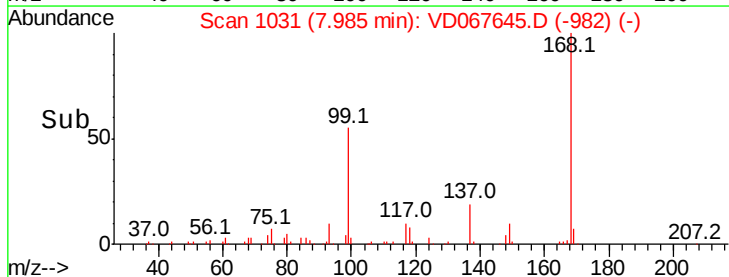
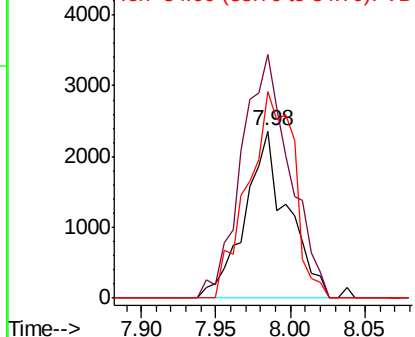
#31

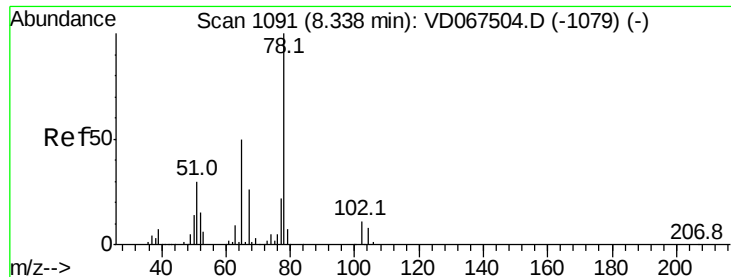
Cyclohexane
 Concen: 1.612 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.01 min
 Lab File: VD067645.D
 Acq: 16 Nov 2020 17:13

Tgt Ion: 56 Resp: 4690
 Ion Ratio Lower Upper
 56 100
 69 145.9 25.9 38.9#
 84 123.8 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: 57.129 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD067645.D

Acq: 16 Nov 2020 17:13

Instrument :

MSVOA_D

ClientSampleId :

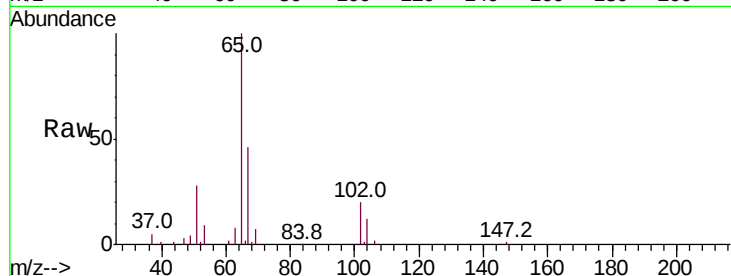
SS-8

Tot Ion: 65 Resp: 114611

Ion Ratio Lower Upper

65 100

67 46.6 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

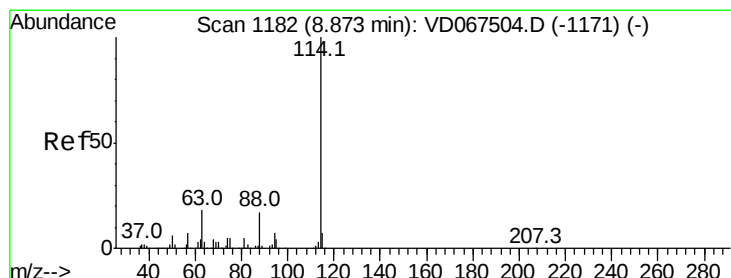
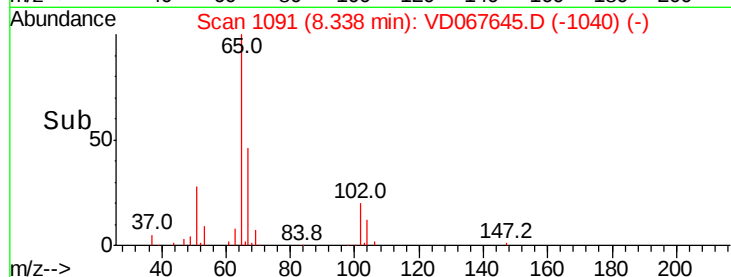
20000

10000

0

8.25 8.30 8.35 8.40 8.45

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VD067645.D

Acq: 16 Nov 2020 17:13

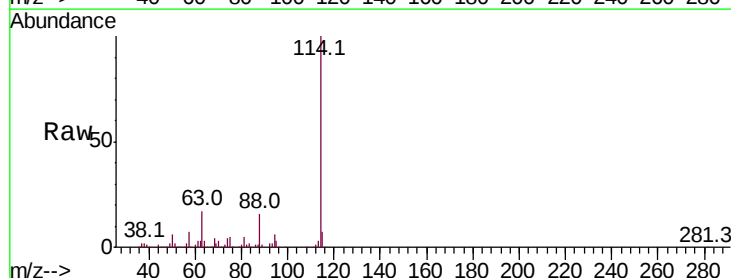
Tgt Ion: 114 Resp: 375779

Ion Ratio Lower Upper

114 100

63 17.2 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): VDC

Ion 87.90 (87.60 to 88.60): VDC

250000

200000

150000

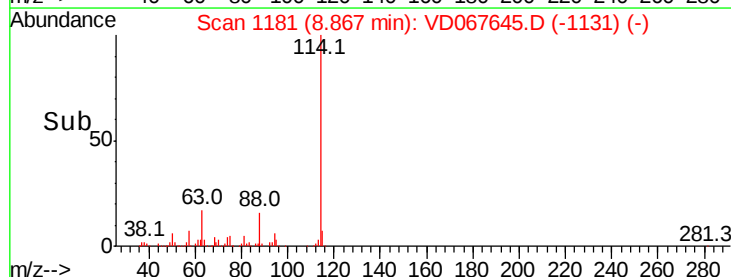
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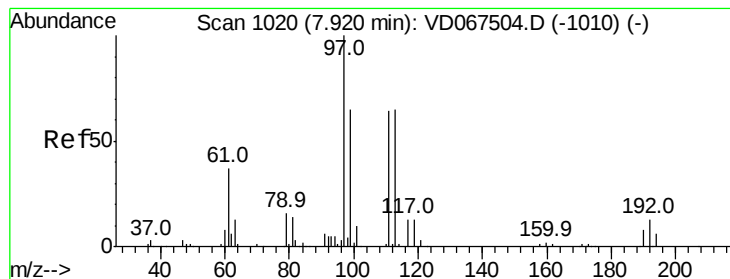
50000

0

8.80 8.90 9.00

Time-->





#35

Dibromofluoromethane

Concen: 52.496 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD067645.D

Acq: 16 Nov 2020 17:13

Instrument :

MSVOA_D

ClientSampleId :

SS-8

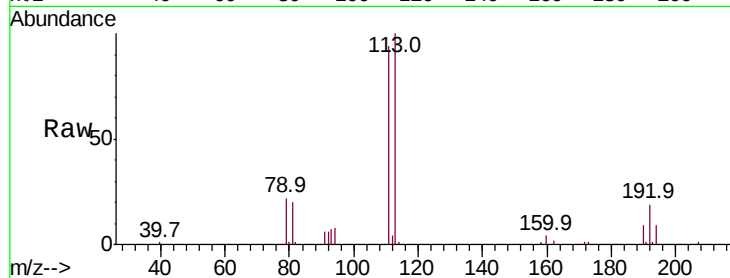
Tot Ion:113 Resp: 118854

Ion Ratio Lower Upper

113 100

111 101.5 80.0 120.0

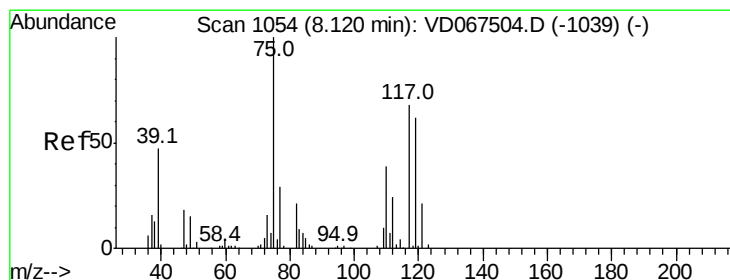
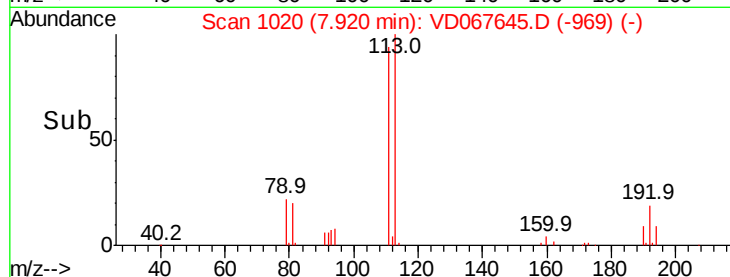
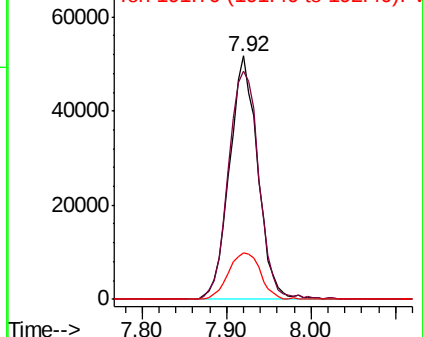
192 21.5 16.3 24.5



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: 5.113 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067645.D

Acq: 16 Nov 2020 17:13

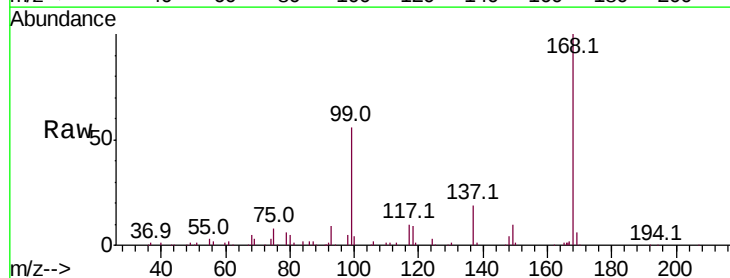
Tgt Ion: 75 Resp: 16446

Ion Ratio Lower Upper

75 100

110 12.3 19.9 59.7#

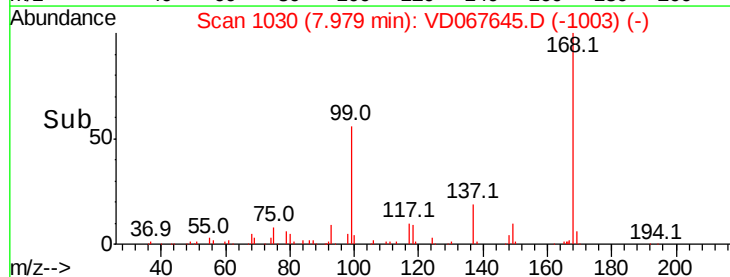
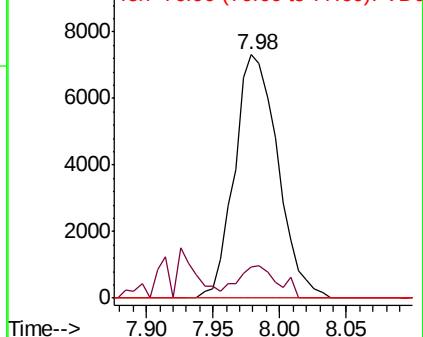
77 0.0 24.8 37.2#

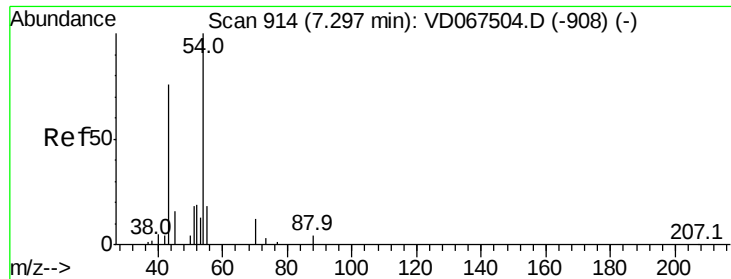


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 1.227 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.10 min

Lab File: VD067645.D

Acq: 16 Nov 2020 17:13

Instrument :

MSVOA_D

ClientSampleId :

SS-8

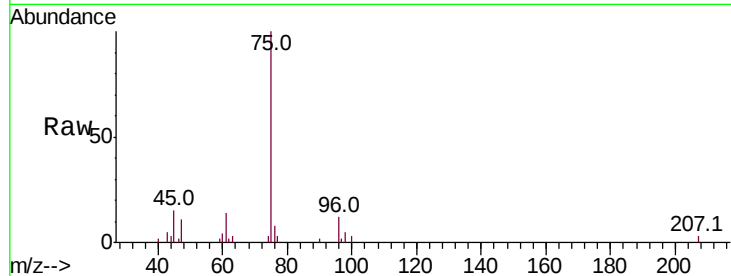
Tot Ion: 43 Resp: 1025

Ion Ratio Lower Upper

43 100

61 682.3 12.8 19.2#

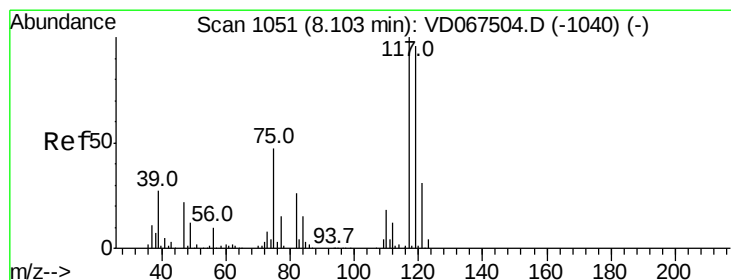
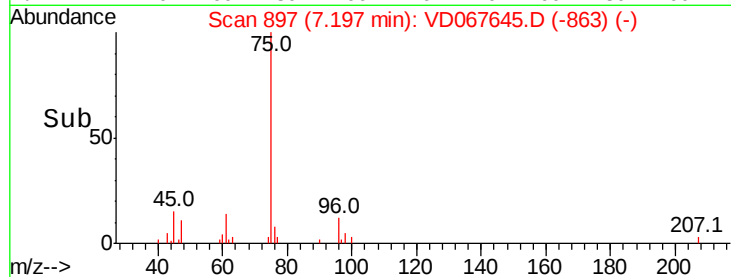
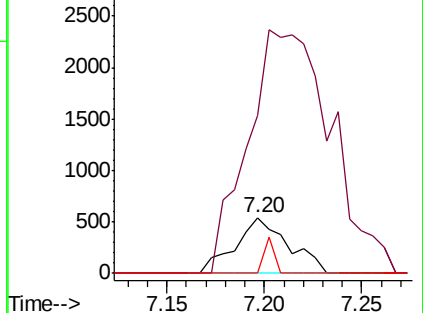
70 12.3 11.7 17.5



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: 5.436 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067645.D

Acq: 16 Nov 2020 17:13

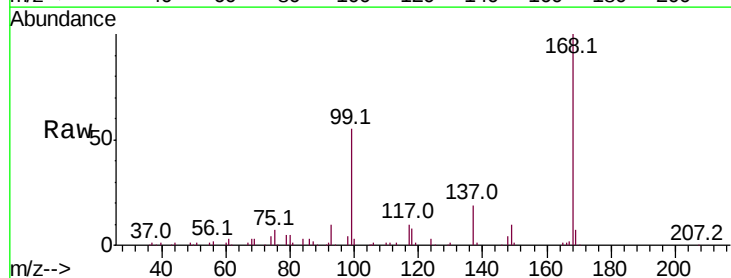
Tgt Ion: 117 Resp: 22717

Ion Ratio Lower Upper

117 100

119 6.3 76.9 115.3#

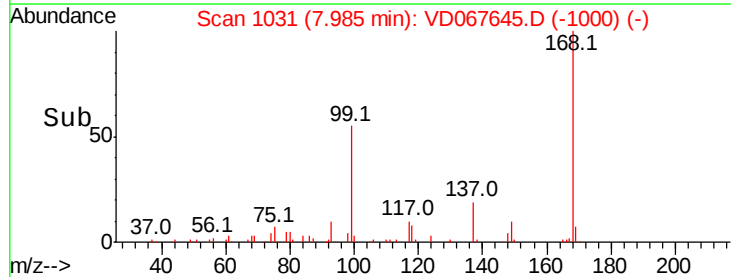
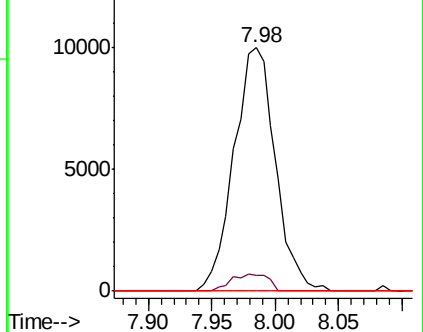
121 0.0 24.5 36.7#

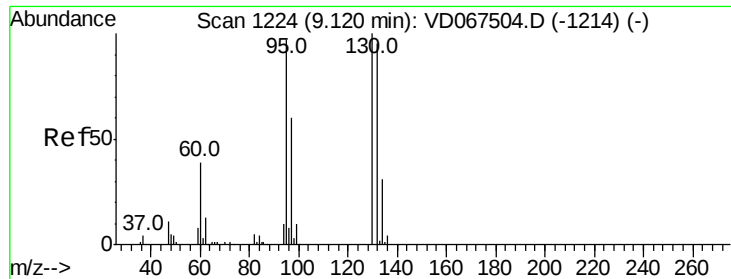


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

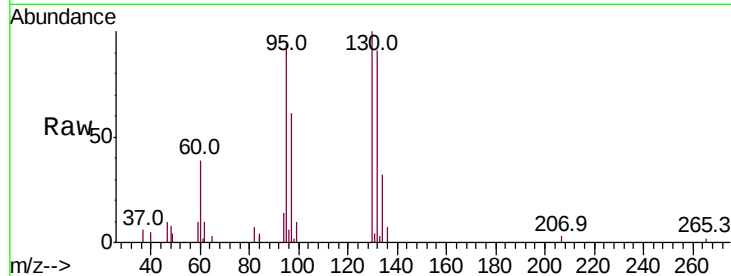




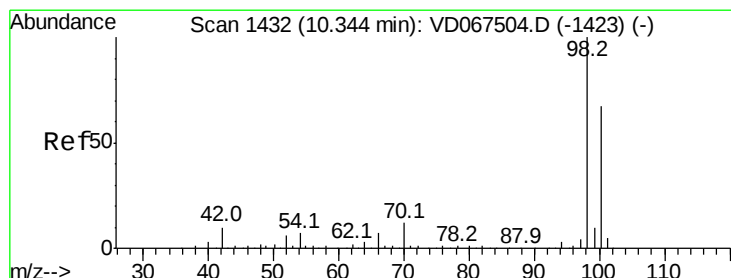
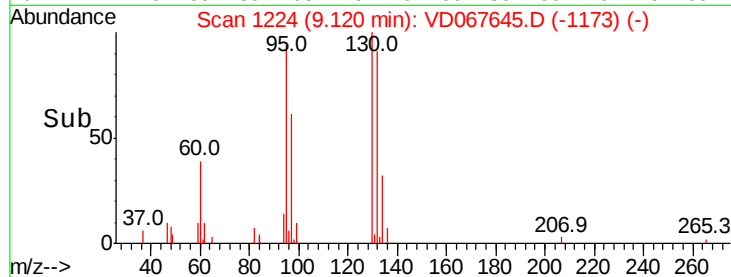
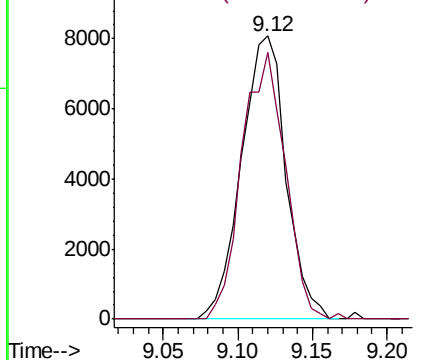
#44
 Trichloroethene
 Concen: 5.842 ug/l
 RT: 9.12 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VD067645.D
 Acq: 16 Nov 2020 17:13

Instrument :
 MSVOA_D
 ClientSampleId :
 SS-8

Tot Ion:130 Resp: 16737
 Ion Ratio Lower Upper
 130 100
 95 94.4 0.0 194.4

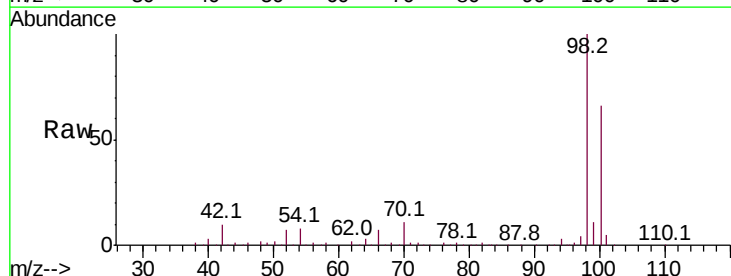


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): V

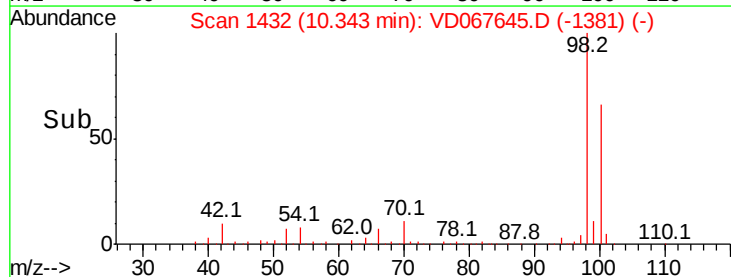
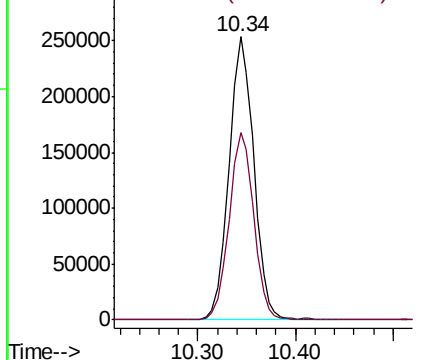


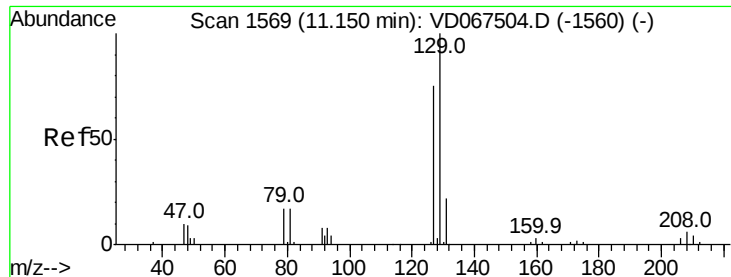
#50
 Toluene-d8
 Concen: 56.258 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. -0.00 min
 Lab File: VD067645.D
 Acq: 16 Nov 2020 17:13

Tgt Ion: 98 Resp: 447616
 Ion Ratio Lower Upper
 98 100
 100 65.7 53.0 79.6



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

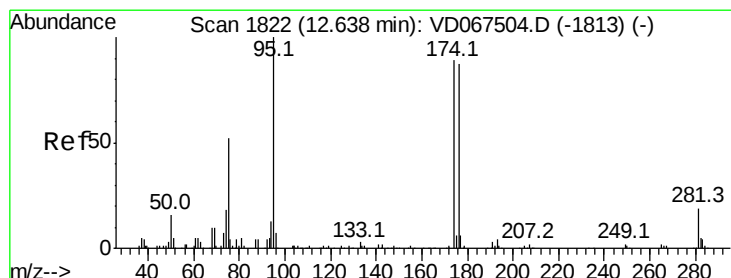
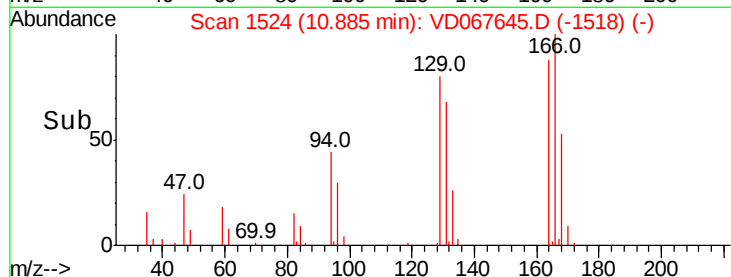
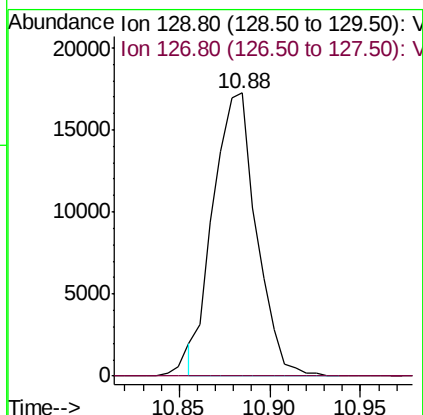
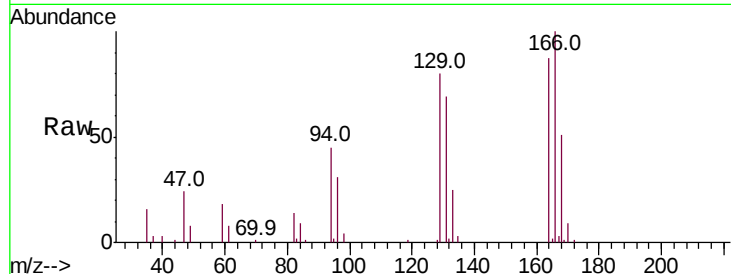




#60
Dibromochloromethane
Concen: 12.212 ug/l
RT: 10.88 min Scan# 1524
Delta R.T. -0.26 min
Lab File: VD067645.D
Acq: 16 Nov 2020 17:13

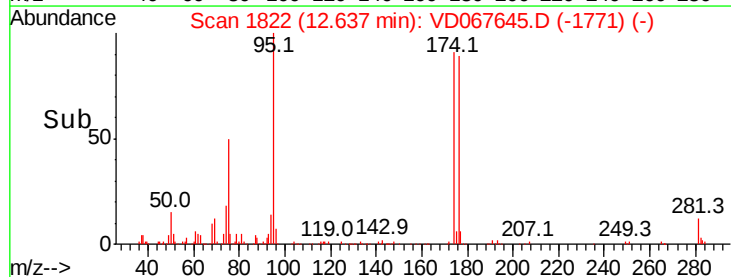
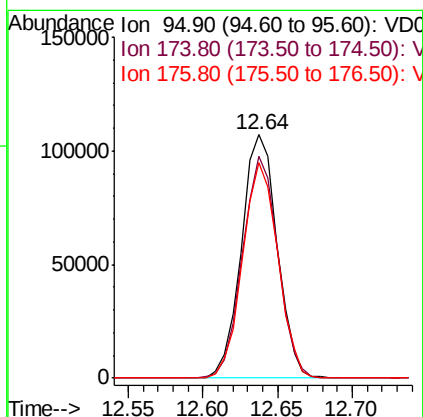
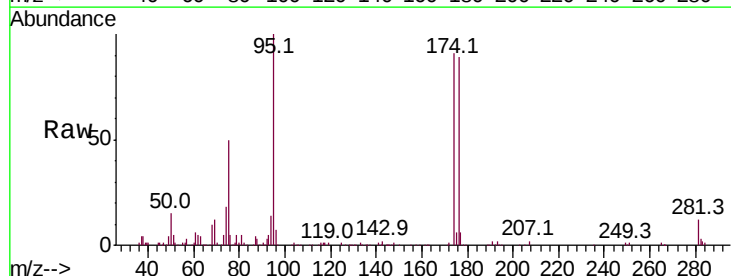
Instrument :
MSVOA_D
ClientSampleId :
SS-8

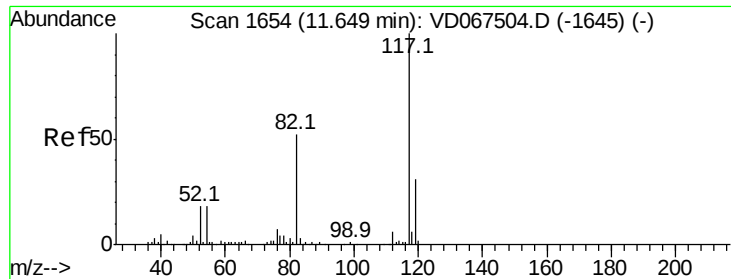
Tot Ion:129 Resp: 28630
Ion Ratio Lower Upper
129 100
127 0.0 38.0 114.1#



#62
4-Bromofluorobenzene
Concen: 64.549 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD067645.D
Acq: 16 Nov 2020 17:13

Tgt Ion: 95 Resp: 177311
Ion Ratio Lower Upper
95 100
174 90.1 0.0 177.8
176 87.6 0.0 172.0

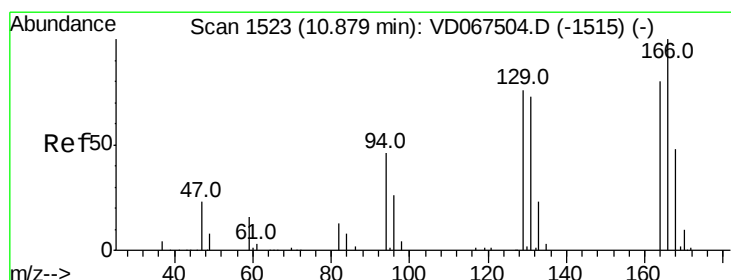
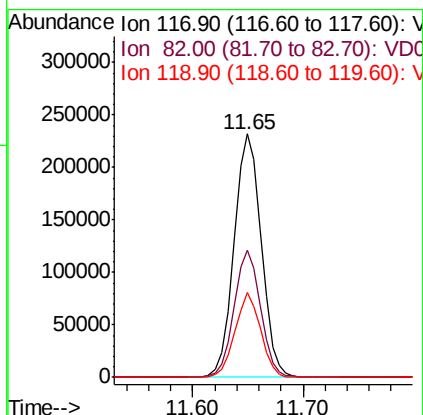
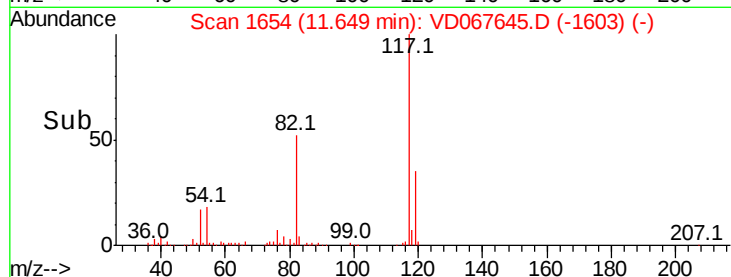
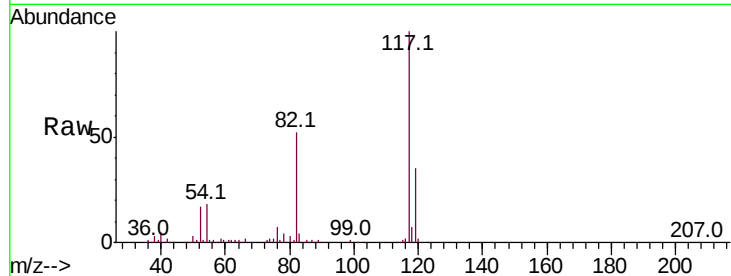




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067645.D
Acq: 16 Nov 2020 17:13

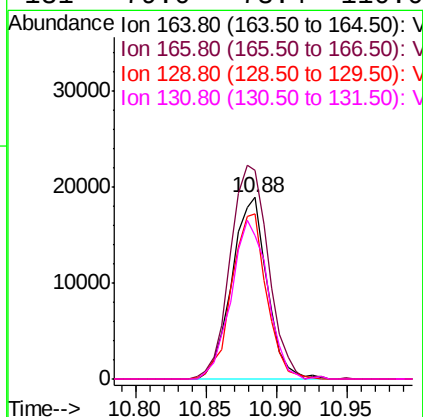
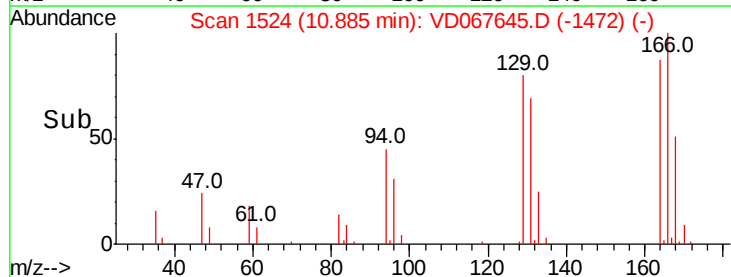
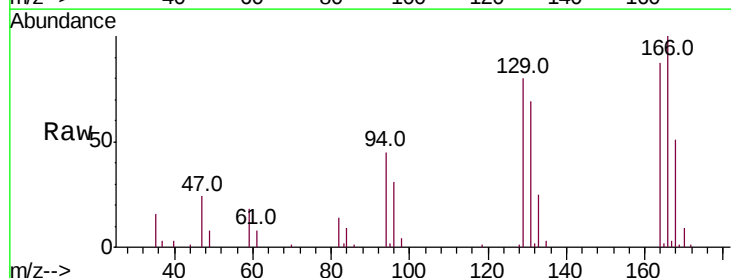
Instrument :
MSVOA_D
ClientSampleId :
SS-8

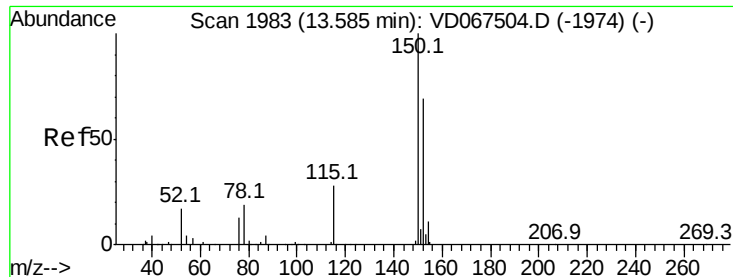
Tot Ion:117 Resp: 401713
Ion Ratio Lower Upper
117 100
82 52.1 41.6 62.4
119 34.6 25.1 37.7



#64
Tetrachloroethene
Concen: 11.089 ug/l
RT: 10.88 min Scan# 1524
Delta R.T. 0.01 min
Lab File: VD067645.D
Acq: 16 Nov 2020 17:13

Tgt Ion:164 Resp: 32990
Ion Ratio Lower Upper
164 100
166 114.6 99.9 149.9
129 91.2 75.5 113.3
131 79.0 73.4 110.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD067645.D

Acq: 16 Nov 2020 17:13

Instrument :

MSVOA_D

ClientSampleId :

SS-8

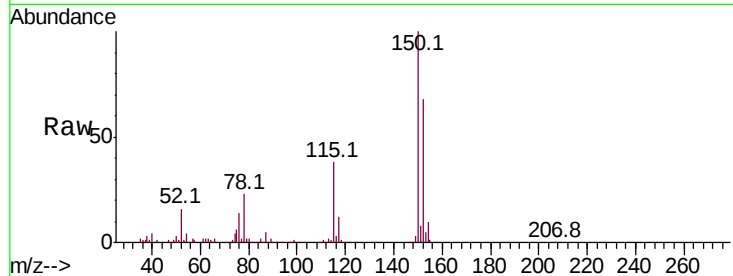
Tot Ion:152 Resp: 203971

Ion Ratio Lower Upper

152 100

115 58.6 29.3 88.0

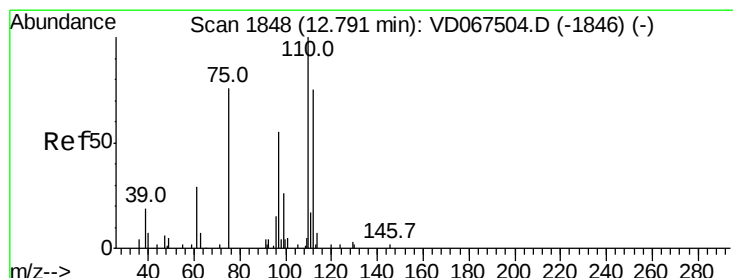
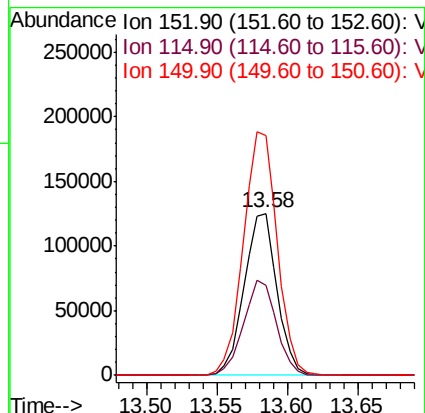
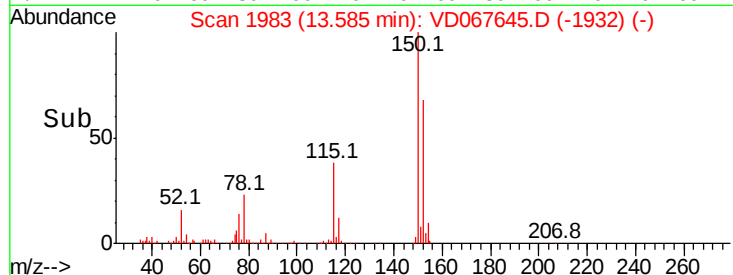
150 154.4 0.0 338.2



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: 74.070 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067645.D

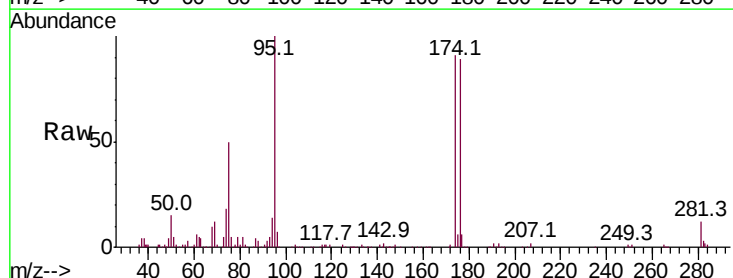
Acq: 16 Nov 2020 17:13

Tgt Ion: 75 Resp: 91141

Ion Ratio Lower Upper

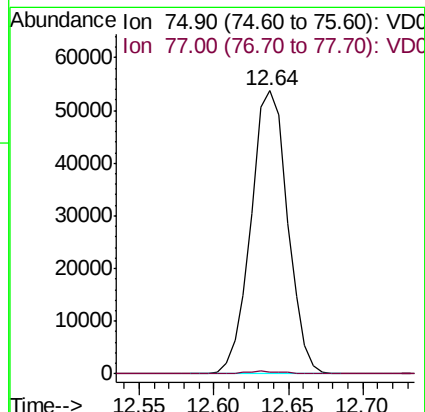
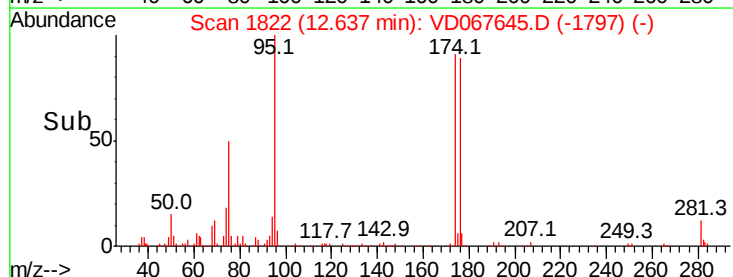
75 100

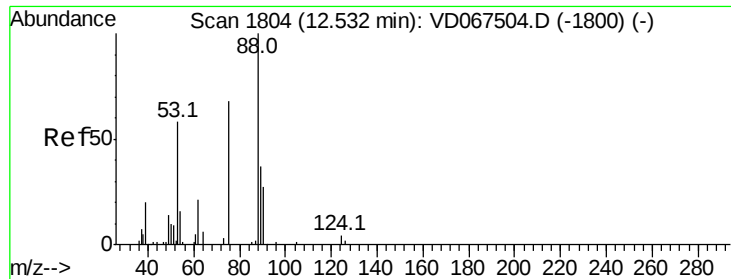
77 0.8 0.0 0.0#



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: 150.382 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067645.D

Acq: 16 Nov 2020 17:13

Instrument :

MSVOA_D

ClientSampleId :

SS-8

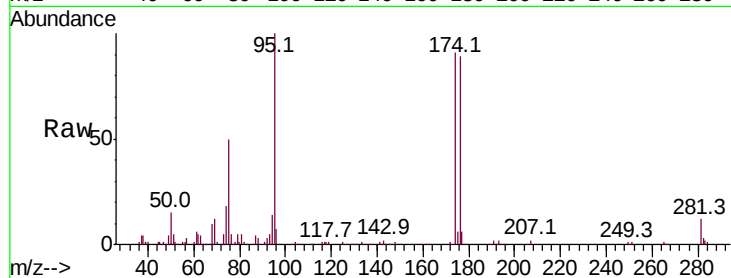
Tot Ion: 75 Resp: 91141

Ion Ratio Lower Upper

75 100

53 0.2 75.9 113.9#

89 0.1 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

