

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091820\
 Data File : VD066773.D
 Acq On : 18 Sep 2020 18:26
 Operator : VA/SY
 Sample : L4017-07
 Misc : 4.49G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SS-7

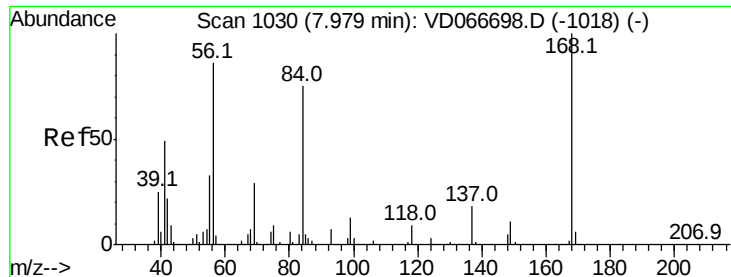
Quant Time: Sep 19 03:16:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	335465	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	610111	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	613059	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	270997	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	218113	60.94	ug/l	0.00
Spiked Amount			Recovery	=	121.88%	
35) Dibromofluoromethane	7.91	113	201983	54.00	ug/l	0.00
Spiked Amount			Recovery	=	108.00%	
50) Toluene-d8	10.34	98	760338	57.05	ug/l	0.00
Spiked Amount			Recovery	=	114.10%	
62) 4-Bromofluorobenzene	12.63	95	260127	56.55	ug/l	0.00
Spiked Amount			Recovery	=	113.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.22	59	408	Below Cal	#	76
16) Acetone	4.17	43	3204	4.396	ug/l	99
18) Methyl Acetate	4.72	43	56	Below Cal	#	52
20) Methylene Chloride	4.97	84	22898	Below Cal		95
25) 2-Butanone	7.21	43	1631	1.718	ug/l #	49
31) Cyclohexane	7.97	56	8614	1.362	ug/l #	23
36) 1,1-Dichloropropene	7.98	75	30418	4.849	ug/l #	51
38) Carbon Tetrachloride	7.98	117	36868	5.535	ug/l #	16
76) 1,2,3-Trichloropropane	12.63	75	141510	61.006	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	141510	131.660	ug/l #	8

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

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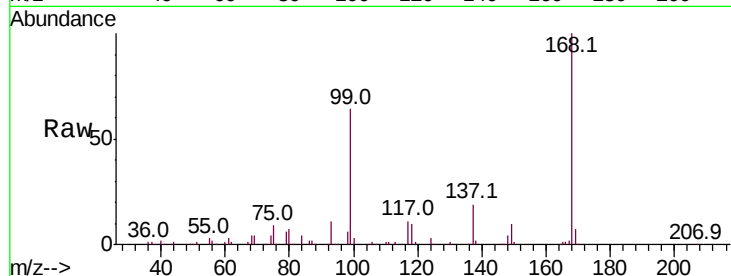
SS-7

Tot Ion:168 Resp: 335465

Ion Ratio Lower Upper

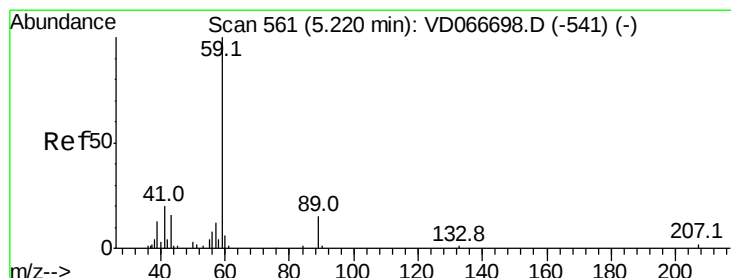
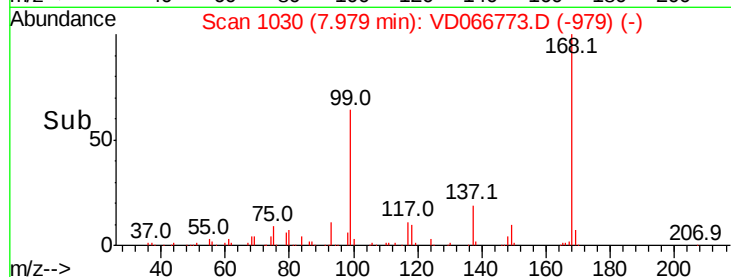
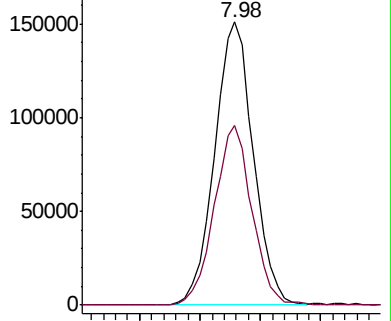
168 100

99 63.6 54.4 81.6



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: 5.22 min Scan# 561

Delta R.T. 0.00 min

Lab File: VD066773.D

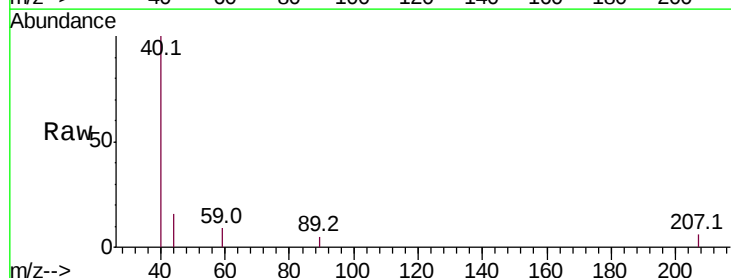
Acq: 18 Sep 2020 18:26

Tgt Ion: 59 Resp: 408

Ion Ratio Lower Upper

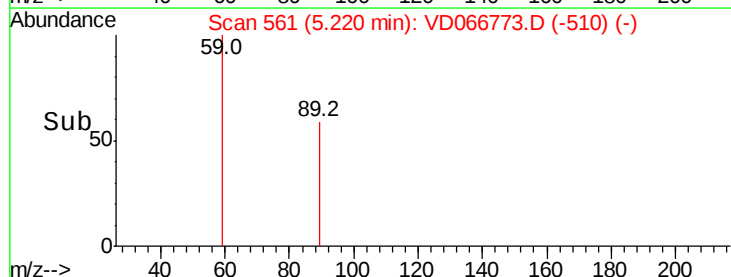
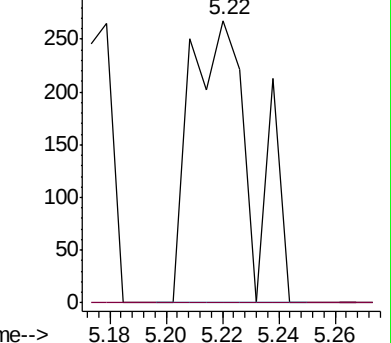
59 100

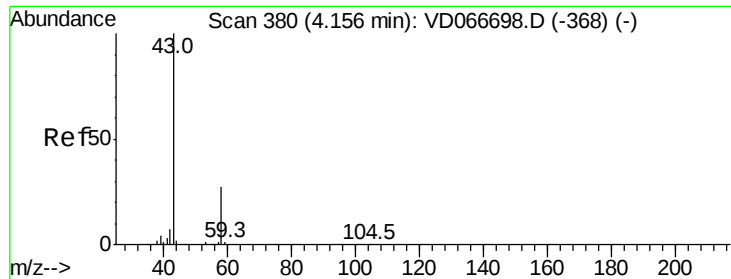
57 0.0 6.7 10.1#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

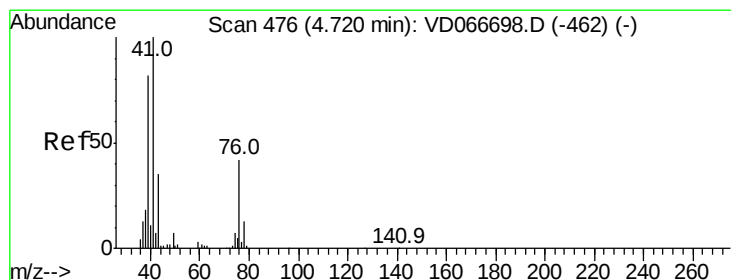
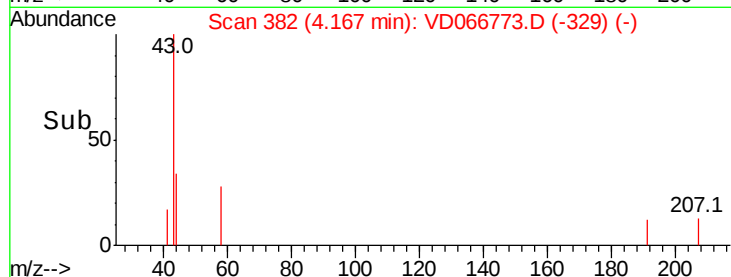
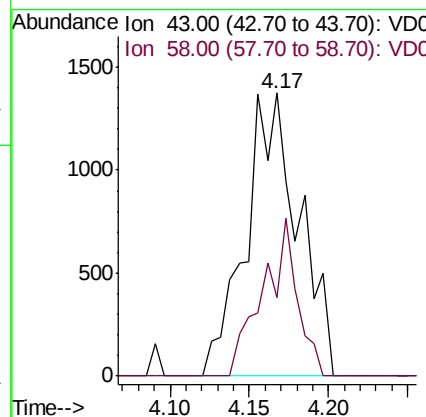
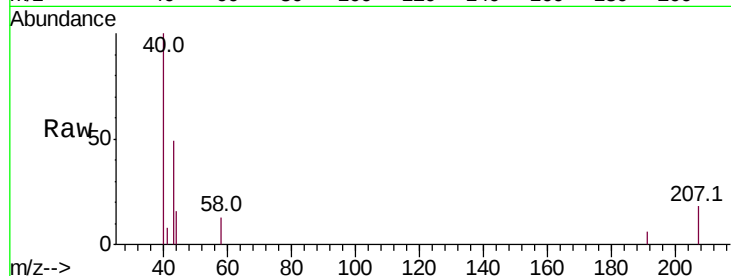




#16
Acetone
Concen: 4.396 ug/l
RT: 4.17 min Scan# 382
Delta R.T. 0.01 min
Lab File: VD066773.D
Acq: 18 Sep 2020 18:26

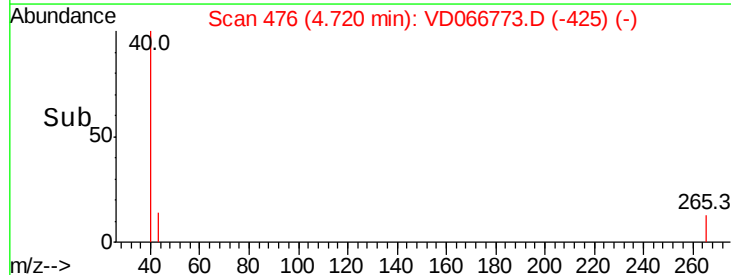
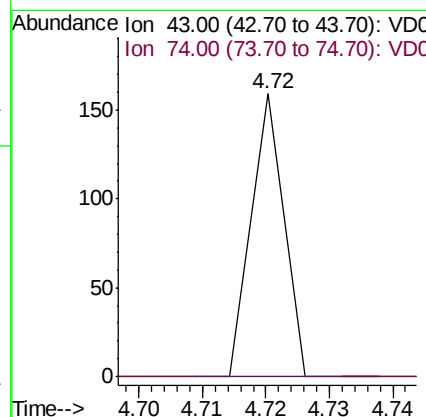
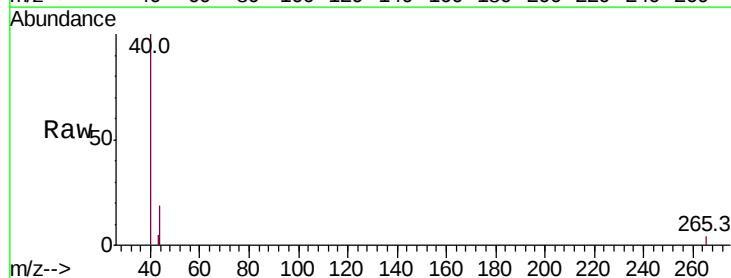
Instrument :
MSVOA_D
ClientSampleId :
SS-7

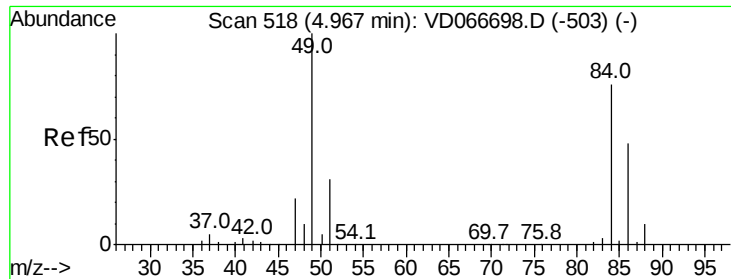
Tot Ion: 43 Resp: 3204
Ion Ratio Lower Upper
43 100
58 27.7 21.9 32.9



#18
Methyl Acetate
Concen: Below Cal
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD066773.D
Acq: 18 Sep 2020 18:26

Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#

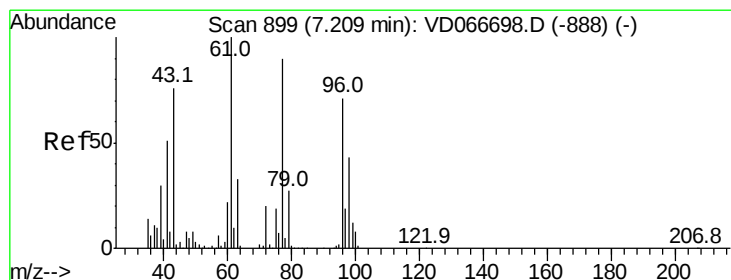
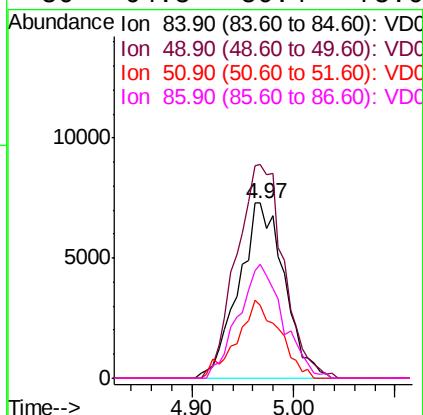
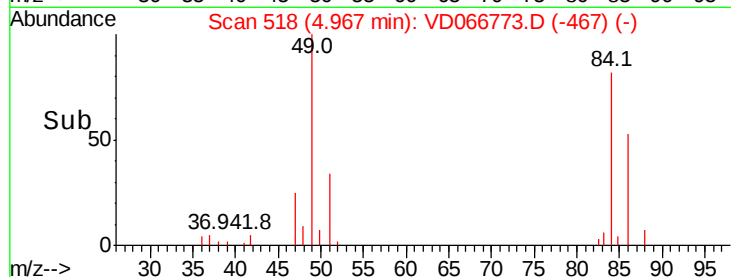
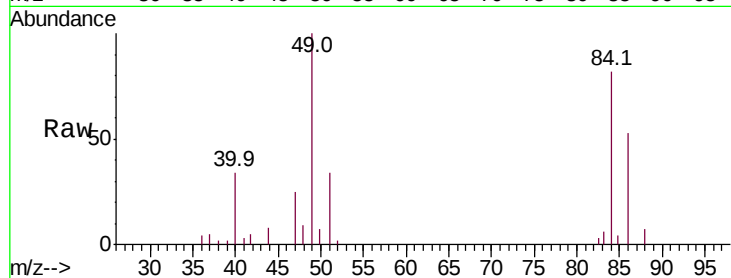




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066773.D
Acq: 18 Sep 2020 18:26

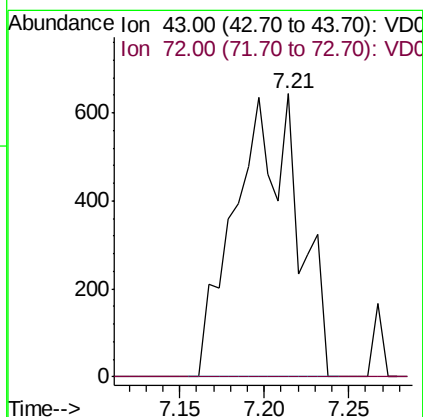
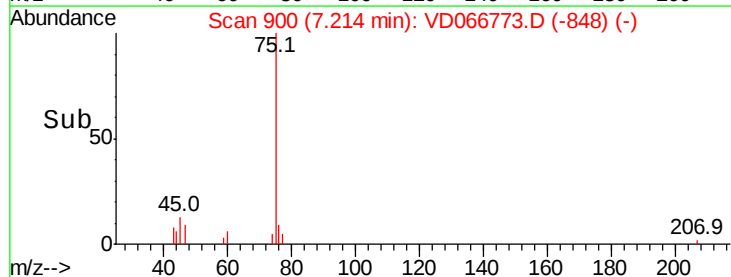
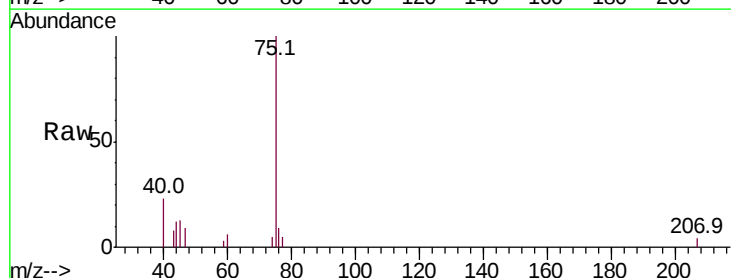
Instrument :
MSVOA_D
ClientSampleId :
SS-7

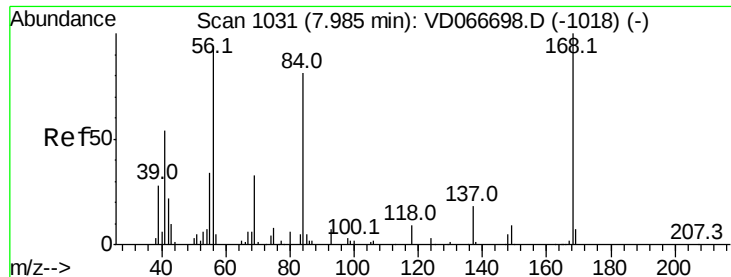
Tot Ion: 84 Resp: 22898
Ion Ratio Lower Upper
84 100
49 122.0 105.0 157.6
51 41.8 32.2 48.4
86 64.8 50.4 75.6



#25
2-Butanone
Concen: 1.718 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD066773.D
Acq: 18 Sep 2020 18:26

Tgt Ion: 43 Resp: 1631
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.4#

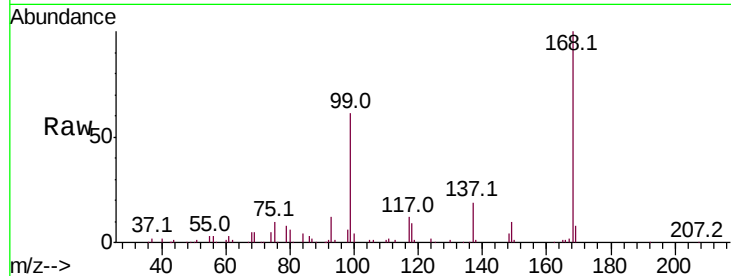




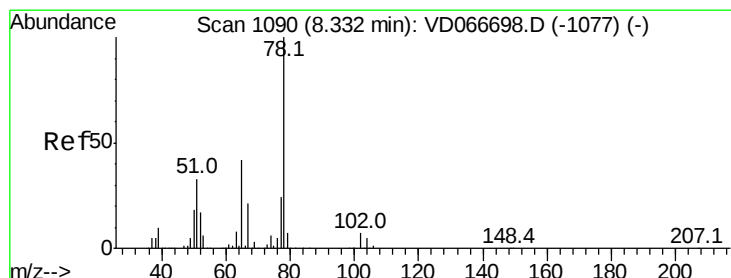
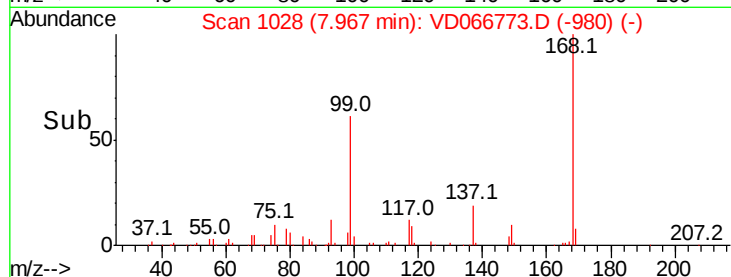
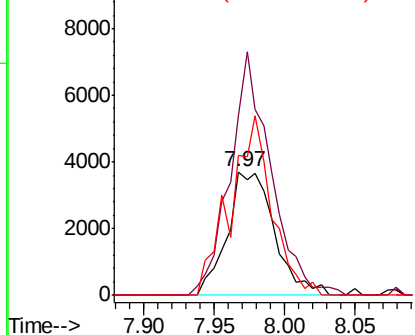
#31
Cyclohexane
Concen: 1.362 ug/l
RT: 7.97 min Scan# 1028
Delta R.T. -0.02 min
Lab File: VD066773.D
Acq: 18 Sep 2020 18:26

Instrument :
MSVOA_D
ClientSampleId :
SS-7

Tot Ion: 56 Resp: 8614
Ion Ratio Lower Upper
56 100
69 145.9 27.7 41.5#
84 113.9 68.5 102.7#

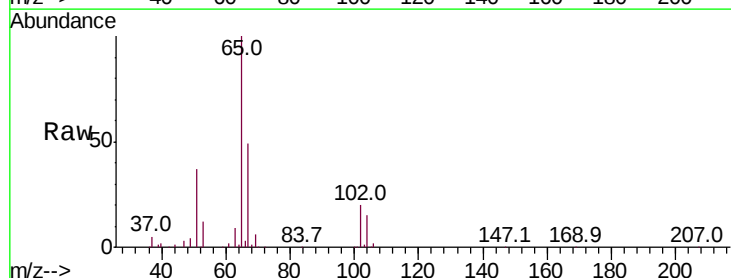


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

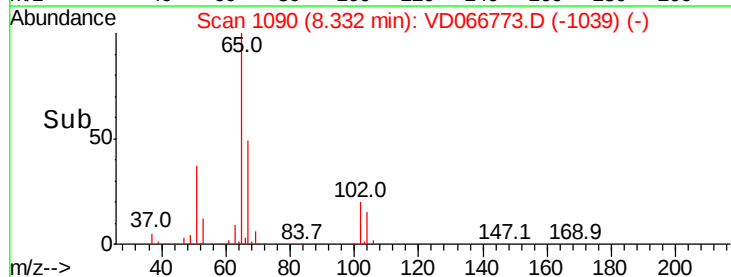
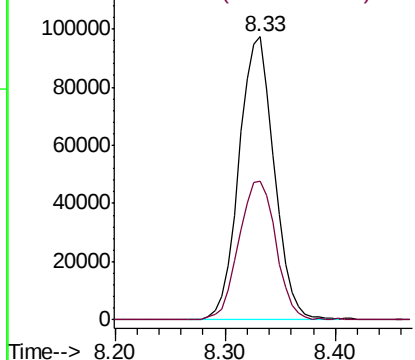


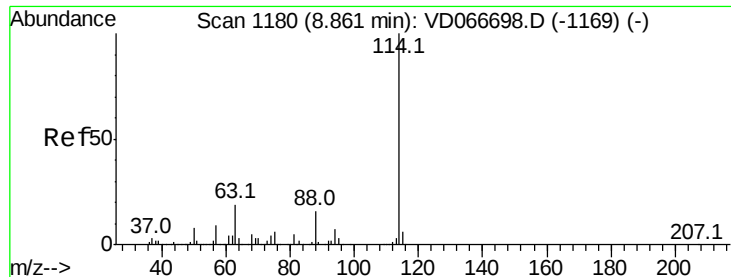
#33
1,2-Dichloroethane-d4
Concen: 60.939 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD066773.D
Acq: 18 Sep 2020 18:26

Tgt Ion: 65 Resp: 218113
Ion Ratio Lower Upper
65 100
67 52.0 0.0 102.2



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

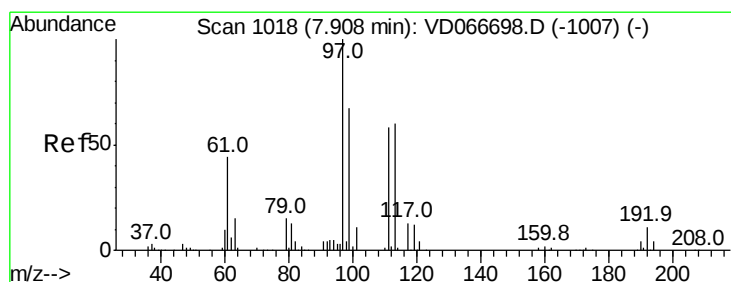
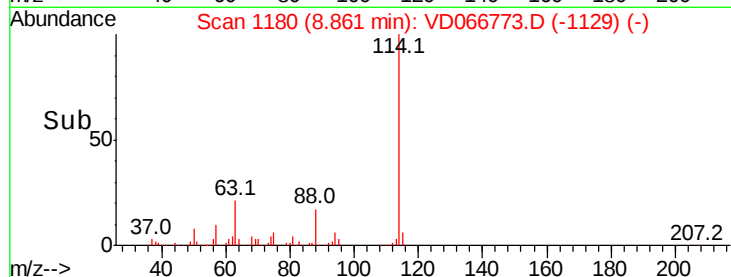
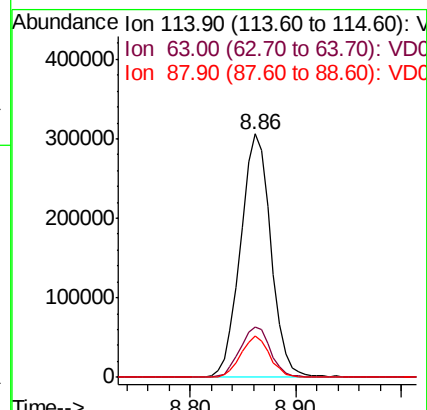
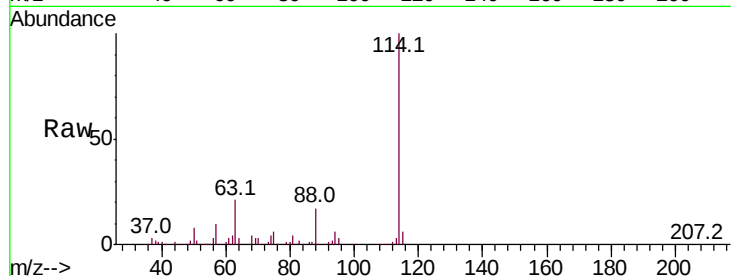




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066773.D
 Acq: 18 Sep 2020 18:26

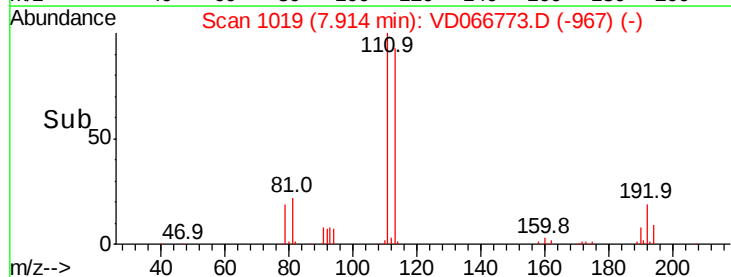
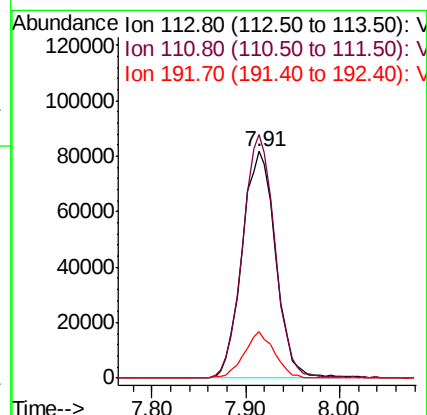
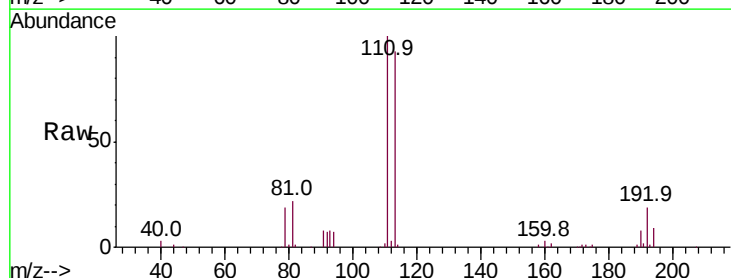
Instrument :
 MSVOA_D
 ClientSampleId :
 SS-7

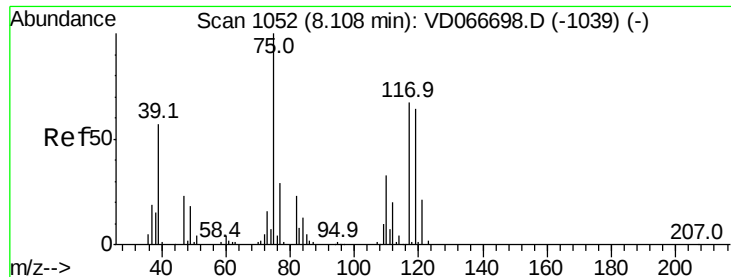
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	37.6
88	17.1	0.0	32.2



#35
 Dibromofluoromethane
 Concen: 53.998 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066773.D
 Acq: 18 Sep 2020 18:26

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	83.2	124.8
192	18.6	14.8	22.2





#36

1,1-Dichloropropene

Concen: 4.849 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD066773.D

Acq: 18 Sep 2020 18:26

Instrument :

MSVOA_D

ClientSampleId :

SS-7

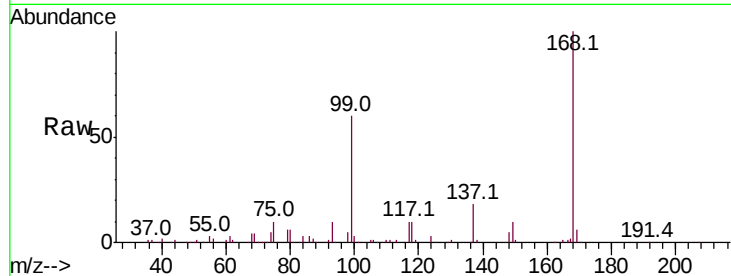
Tot Ion: 75 Resp: 30418

Ion Ratio Lower Upper

75 100

110 10.2 17.1 51.2#

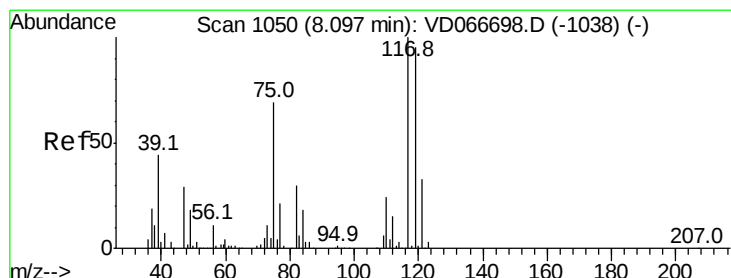
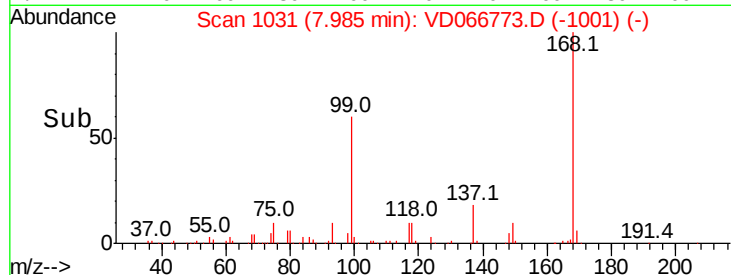
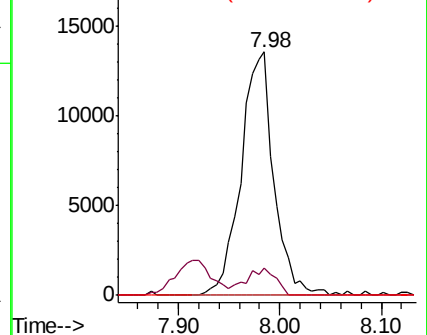
77 0.0 25.0 37.6#



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



#38

Carbon Tetrachloride

Concen: 5.535 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD066773.D

Acq: 18 Sep 2020 18:26

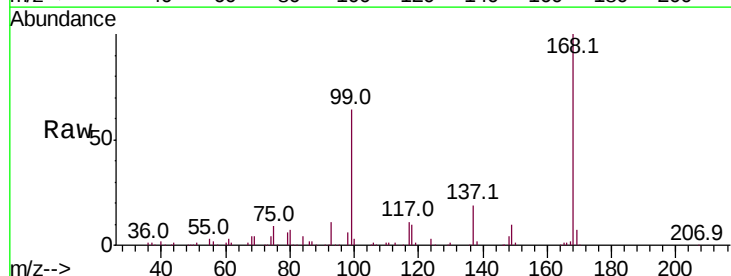
Tgt Ion: 117 Resp: 36868

Ion Ratio Lower Upper

117 100

119 5.1 75.8 113.6#

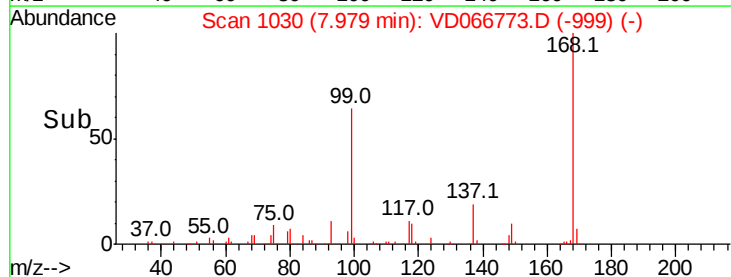
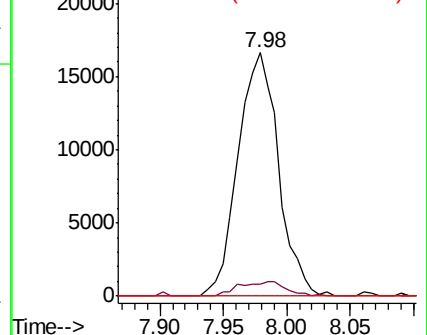
121 0.0 26.2 39.4#

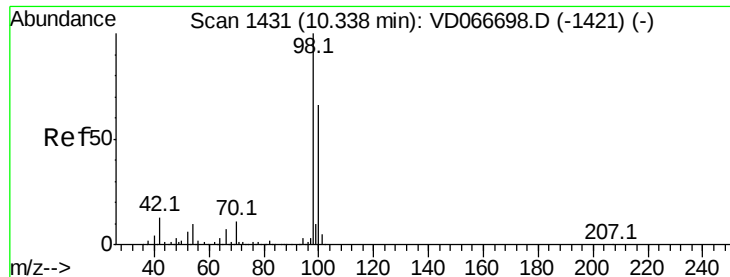


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 57.054 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066773.D

Acq: 18 Sep 2020 18:26

Instrument :

MSVOA_D

ClientSampleId :

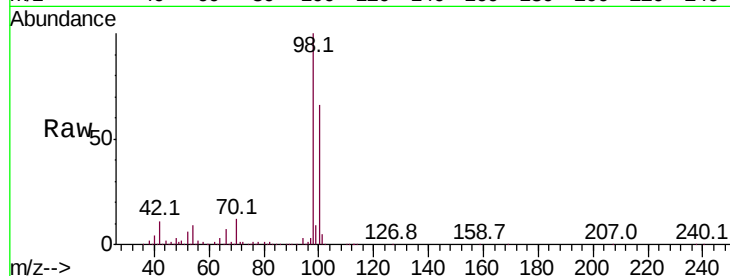
SS-7

Tot Ion: 98 Resp: 760338

Ion Ratio Lower Upper

98 100

100 65.8 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

400000

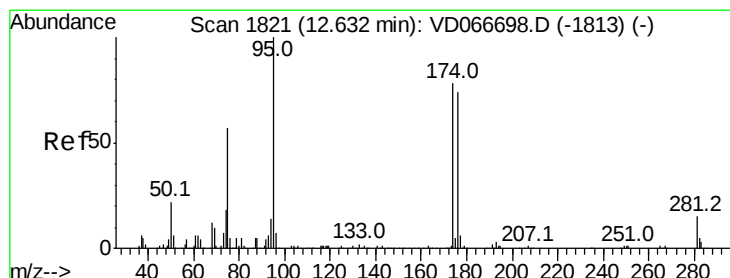
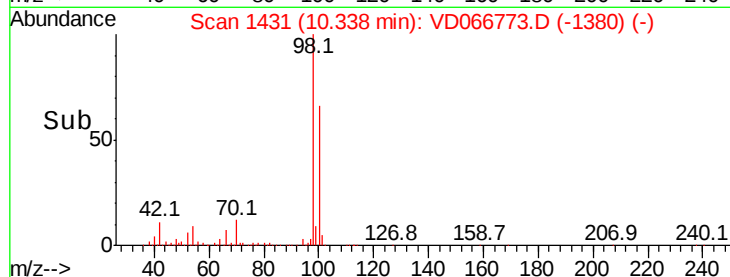
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 56.547 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066773.D

Acq: 18 Sep 2020 18:26

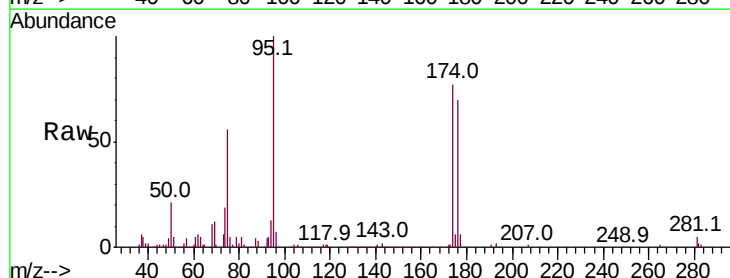
Tgt Ion: 95 Resp: 260127

Ion Ratio Lower Upper

95 100

174 78.0 0.0 156.6

176 73.8 0.0 150.2



Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

12.63

200000

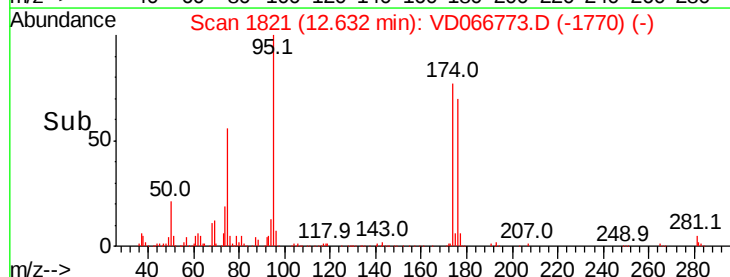
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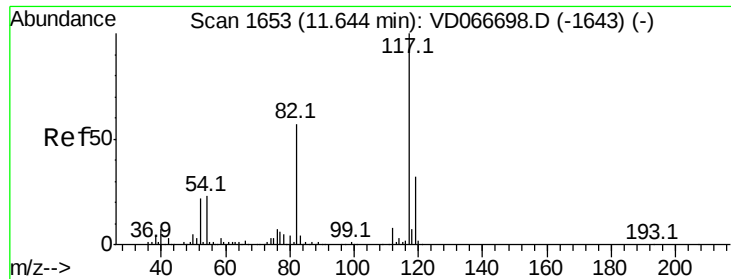
100000

50000

0

Time-->

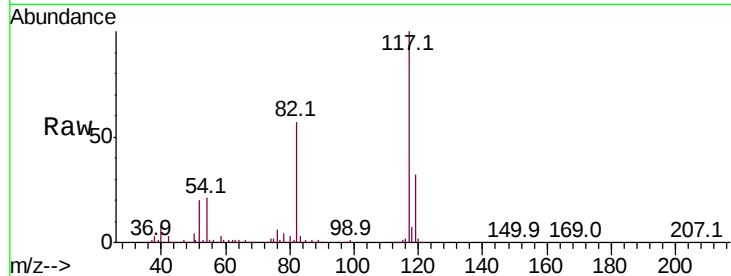




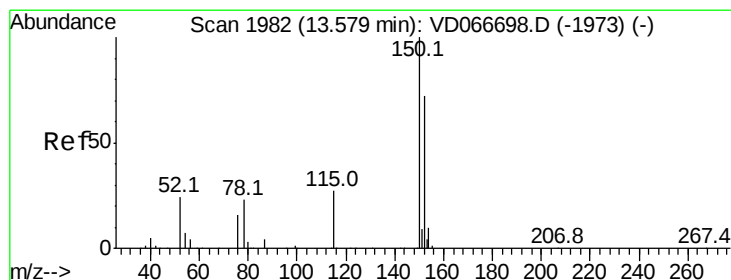
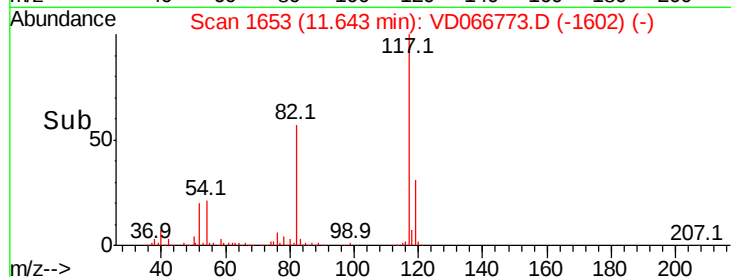
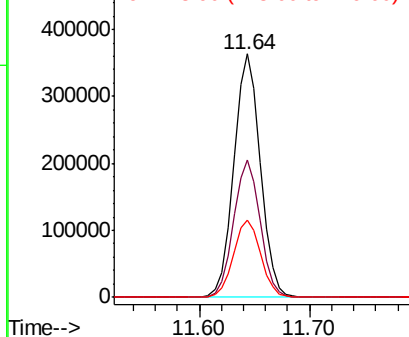
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066773.D
Acq: 18 Sep 2020 18:26

Instrument :
MSVOA_D
ClientSampleId :
SS-7

Tot Ion:117 Resp: 613059
Ion Ratio Lower Upper
117 100
82 56.6 45.4 68.0
119 31.6 25.8 38.6

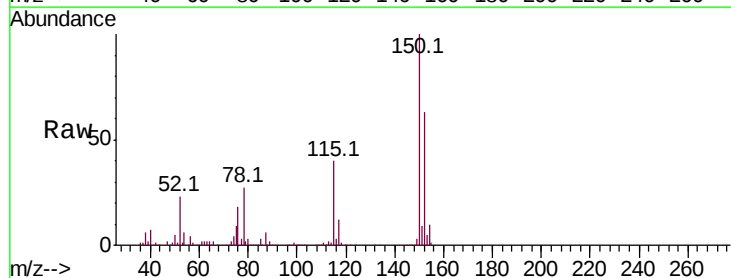


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

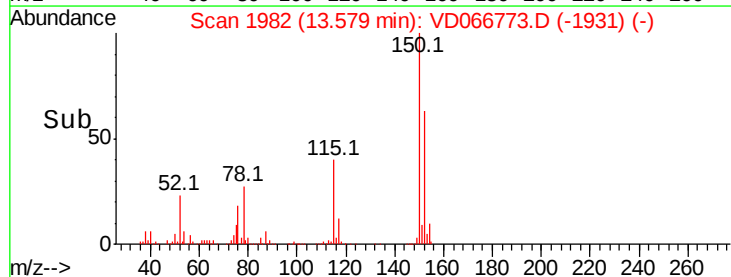
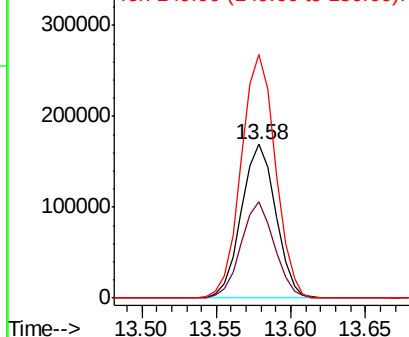


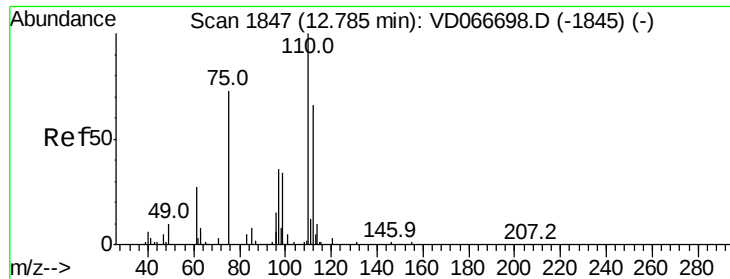
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066773.D
Acq: 18 Sep 2020 18:26

Tgt Ion:152 Resp: 270997
Ion Ratio Lower Upper
152 100
115 60.9 30.5 91.5
150 157.2 0.0 344.6



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: 61.006 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066773.D

Acq: 18 Sep 2020 18:26

Instrument :

MSVOA_D

ClientSampled :

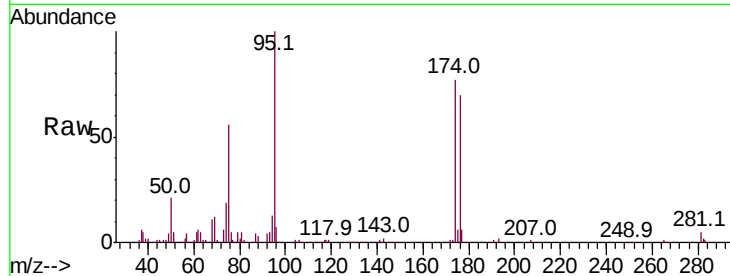
SS-7

Tot Ion: 75 Resp: 141510

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.63

100000

80000

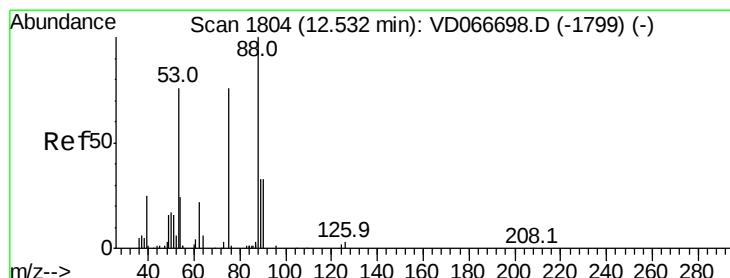
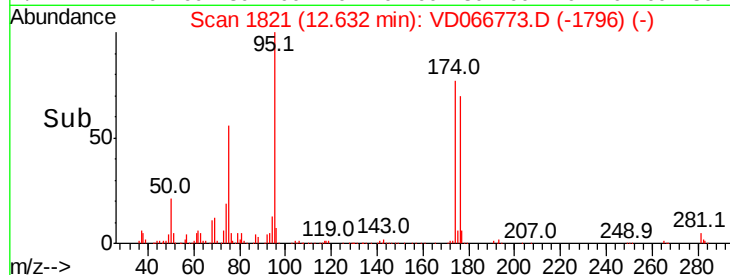
60000

40000

20000

0

Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 131.660 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066773.D

Acq: 18 Sep 2020 18:26

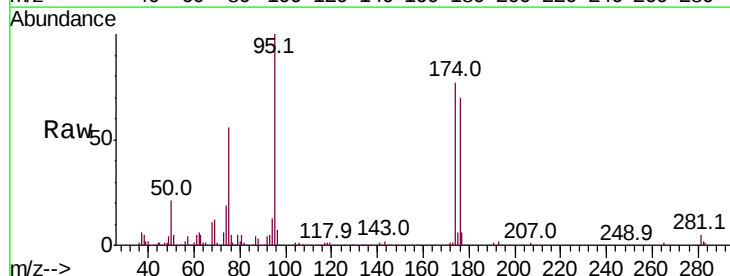
Tgt Ion: 75 Resp: 141510

Ion Ratio Lower Upper

75 100

53 0.0 82.2 123.4#

89 0.0 39.6 59.4#



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

12.63

120000

100000

80000

60000

40000

20000

0

Time--> 12.55 12.60 12.65 12.70

