

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091020\
 Data File : VD066638.D
 Acq On : 11 Sep 2020 03:34
 Operator : VA/SY
 Sample : L3943-01
 Misc : 6.96G/5.00ml/MSVOA D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 357

Quant Time: Sep 11 03:53:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	355236	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	645029	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	593863	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	253835	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	224165	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
35) Dibromofluoromethane	7.91	113	216650	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
50) Toluene-d8	10.34	98	777748	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
62) 4-Bromofluorobenzene	12.63	95	249754	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	

Target Compounds

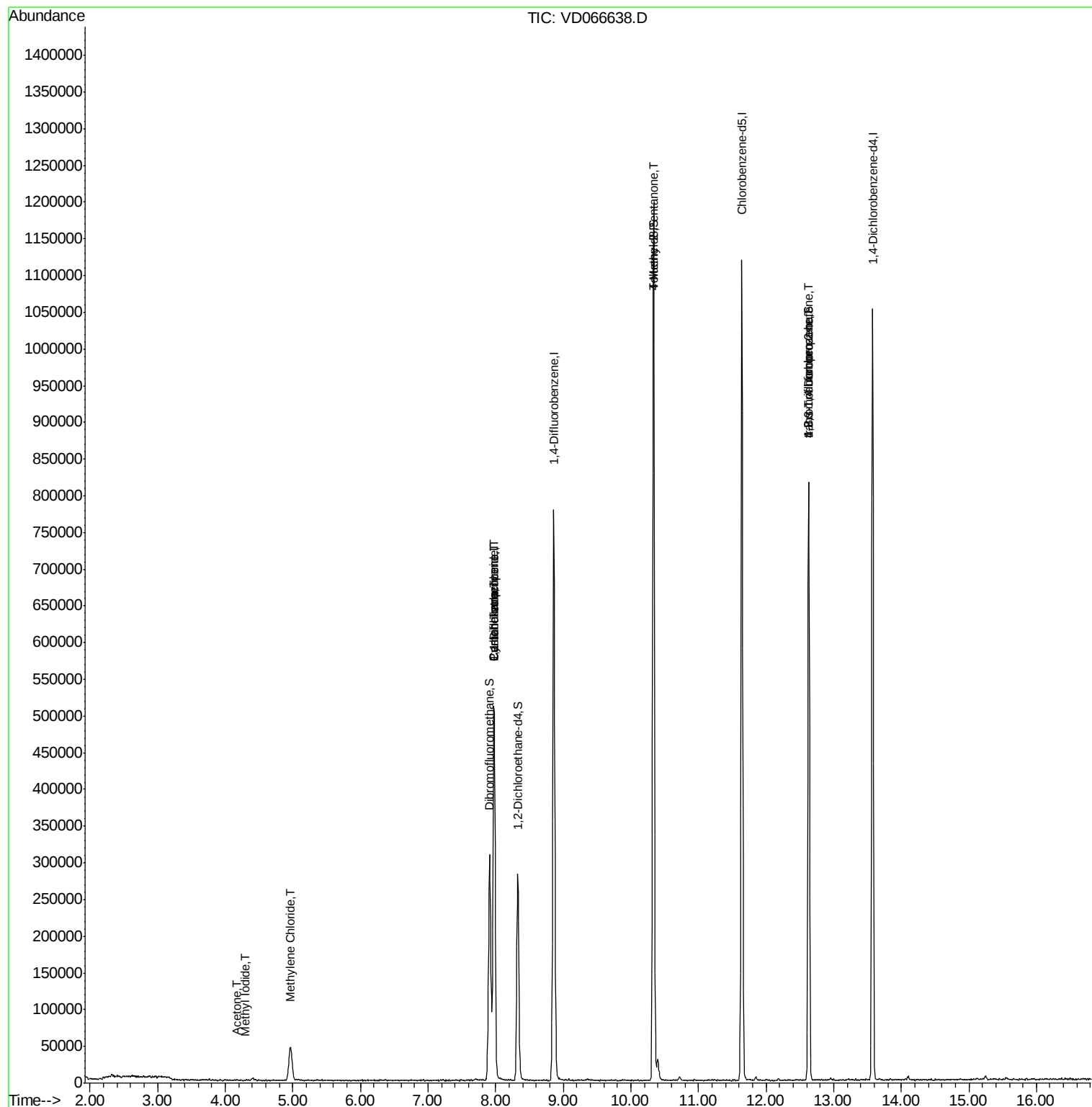
					Qvalue	
2) Dichlorodifluoromethane	1.98	85	250	Below Cal	#	46
5) Bromomethane	2.76	94	61	Below Cal	#	9
10) Methyl Iodide	4.29	142	62	4.039	ug/l #	35
16) Acetone	4.17	43	1085	1.372	ug/l #	46
20) Methylene Chloride	4.96	84	34206	1.519	ug/l	97
31) Cyclohexane	7.97	56	11010	1.570	ug/l #	24
36) 1,1-Dichloropropene	7.97	75	33276	4.957	ug/l #	50
38) Carbon Tetrachloride	7.97	117	39277	5.536	ug/l #	21
51) 4-Methyl-2-Pentanone	10.33	43	4553	1.762	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	142251	58.271	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	142251	136.041	ug/l #	7

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

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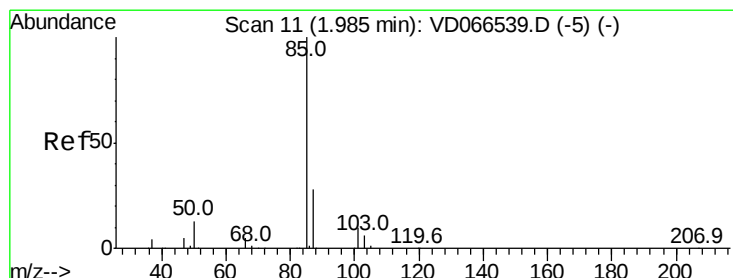
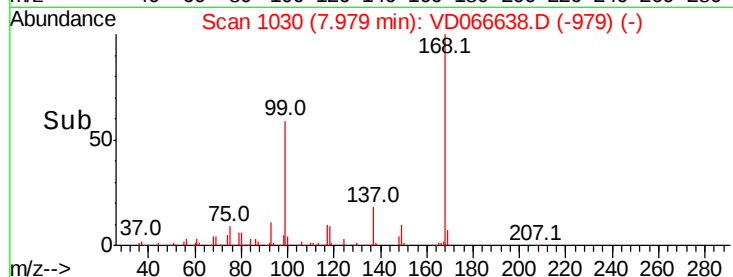
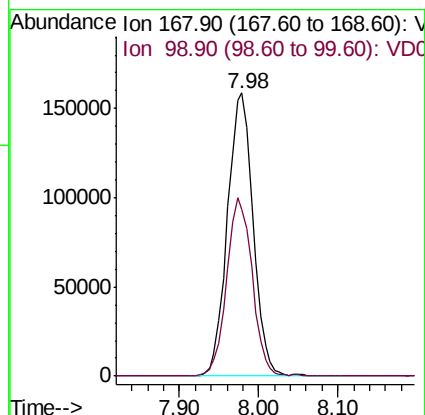
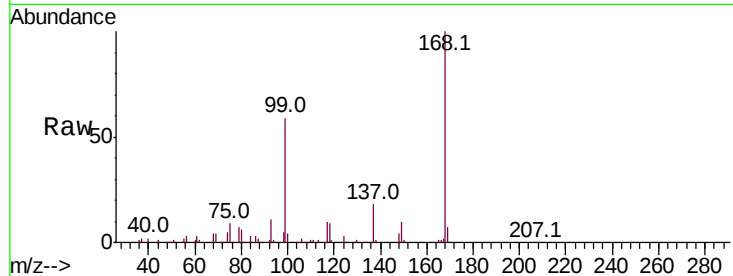




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066638.D
Acq: 11 Sep 2020 03:34

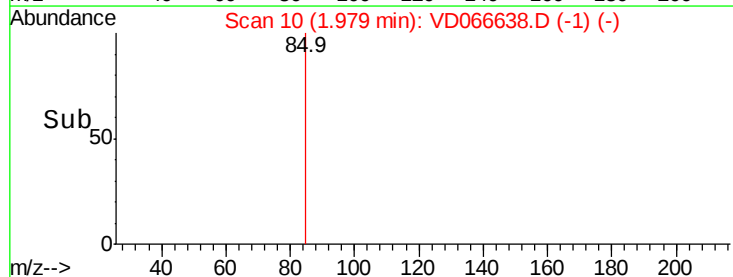
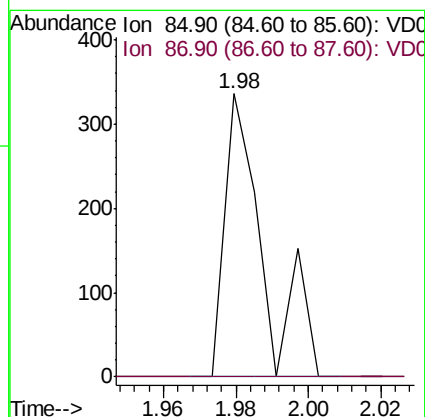
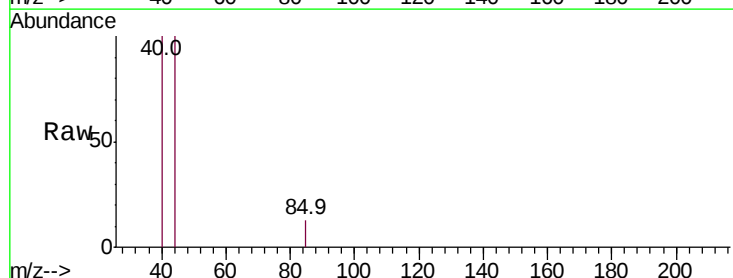
Instrument :
MSVOA_D
ClientSampleId :
357

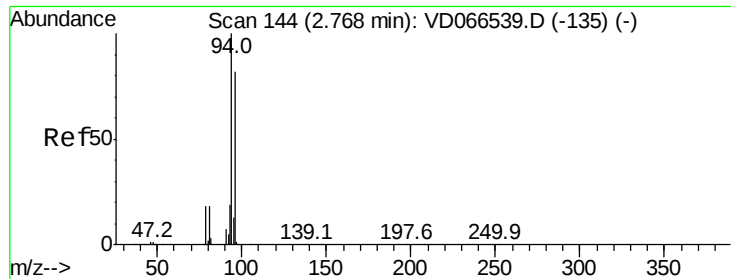
Tot Ion:168 Resp: 355236
Ion Ratio Lower Upper
168 100
99 59.1 50.5 75.7



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.98 min Scan# 10
Delta R.T. -0.01 min
Lab File: VD066638.D
Acq: 11 Sep 2020 03:34

Tgt Ion: 85 Resp: 250
Ion Ratio Lower Upper
85 100
87 0.0 14.2 42.6#





#5

Bromomethane

Concen: Below Cal

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066638.D

Acq: 11 Sep 2020 03:34

Instrument :

MSVOA_D

ClientSampleId :

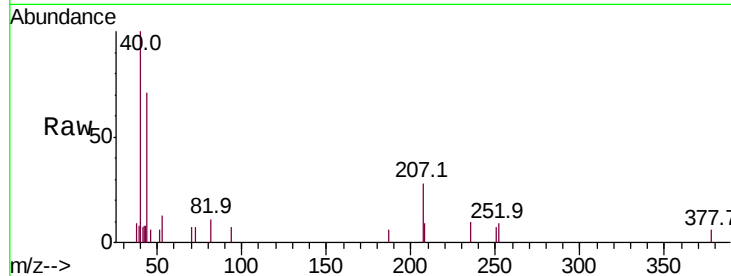
357

Tot Ion: 94 Resp: 61

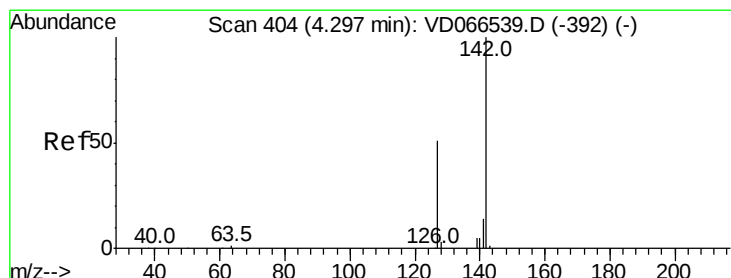
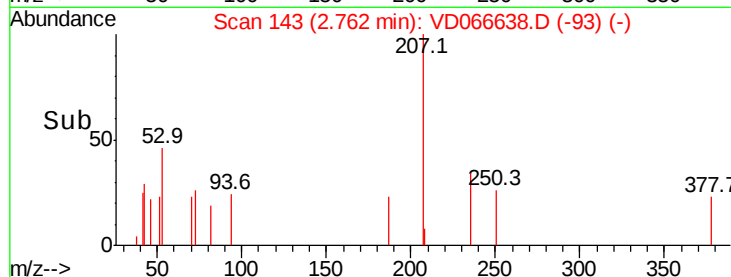
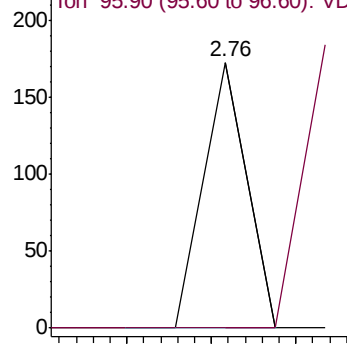
Ion Ratio Lower Upper

94 100

96 0.0 65.2 97.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC



#10

Methyl Iodide

Concen: 4.039 ug/l

RT: 4.29 min Scan# 402

Delta R.T. -0.01 min

Lab File: VD066638.D

Acq: 11 Sep 2020 03:34

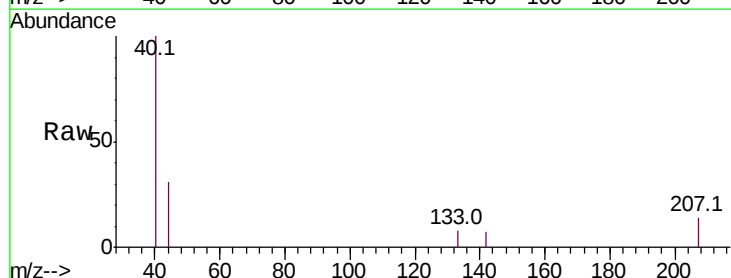
Tgt Ion: 142 Resp: 62

Ion Ratio Lower Upper

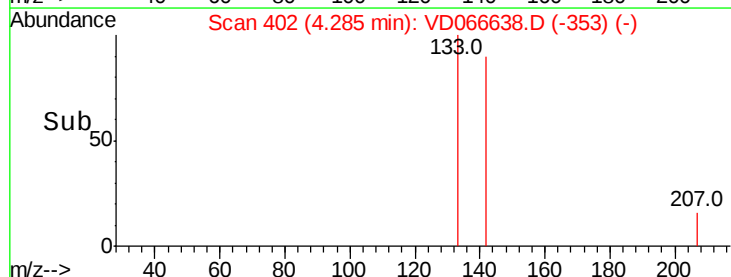
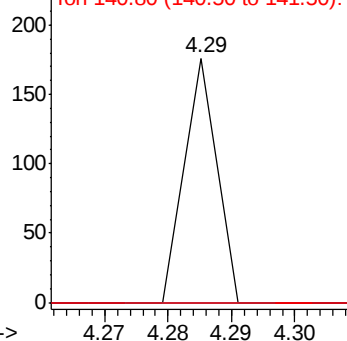
142 100

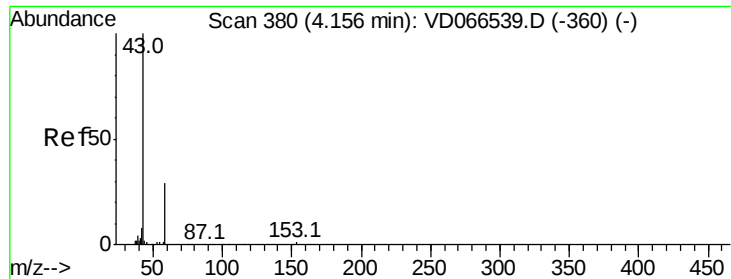
127 0.0 40.6 61.0#

141 0.0 12.2 18.4#



Abundance Ion 141.80 (141.50 to 142.50): V





#16

Acetone

Concen: 1.372 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD066638.D

Acq: 11 Sep 2020 03:34

Instrument :

MSVOA_D

ClientSampleId :

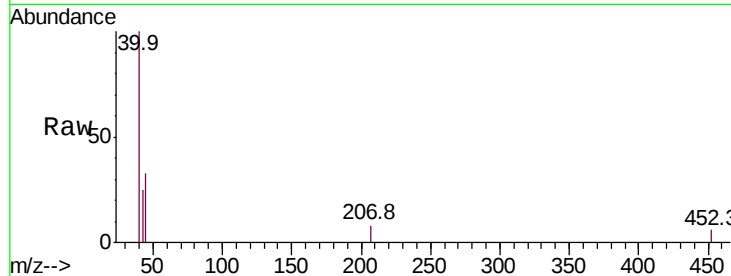
357

Tot Ion: 43 Resp: 1085

Ion Ratio Lower Upper

43 100

58 0.0 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

800

600

400

200

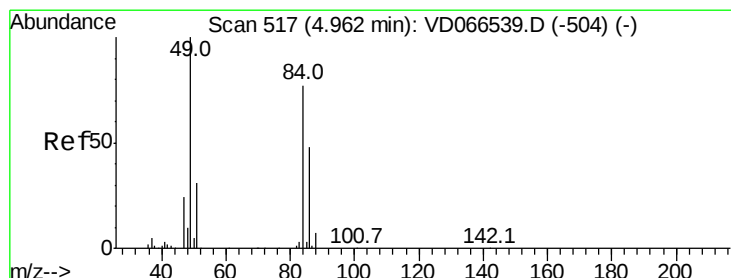
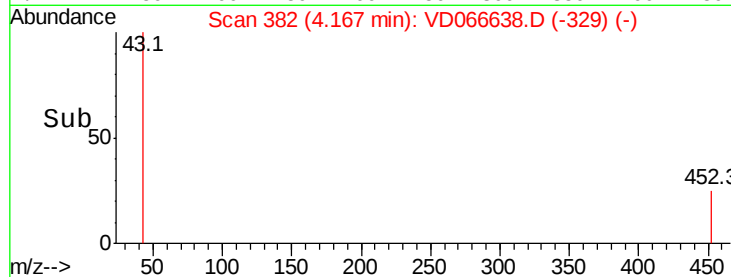
0

4.10

4.15

4.20

Time-->



#20

Methylene Chloride

Concen: 1.519 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD066638.D

Acq: 11 Sep 2020 03:34

Tgt Ion: 84 Resp: 34206

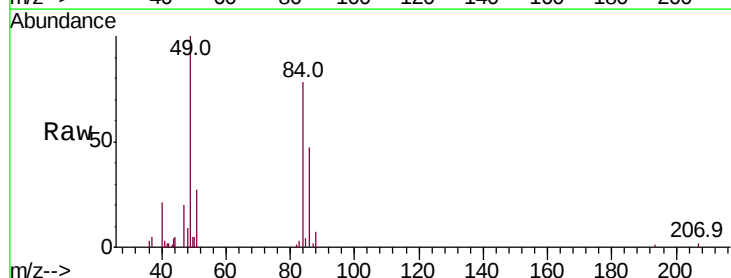
Ion Ratio Lower Upper

84 100

49 128.8 104.3 156.5

51 34.6 32.2 48.4

86 61.0 50.0 75.0



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

20000

15000

10000

5000

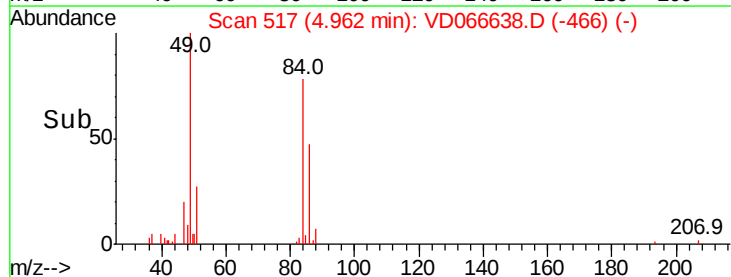
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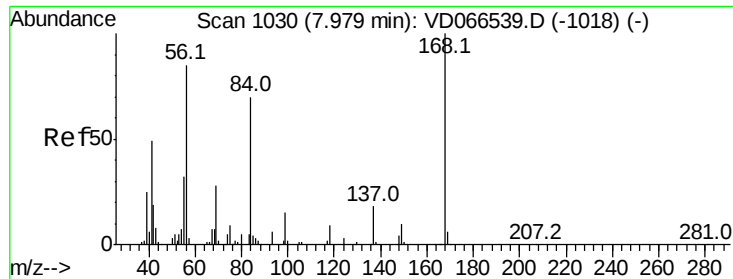
4.90

5.00

5.10

Time-->

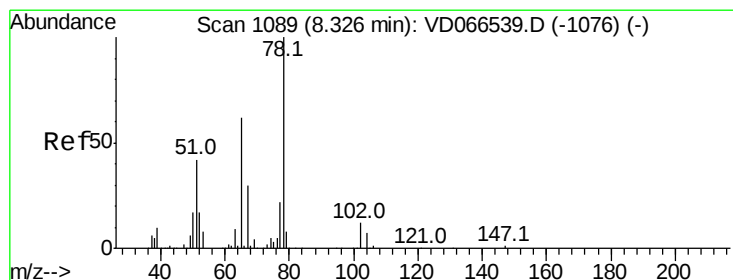
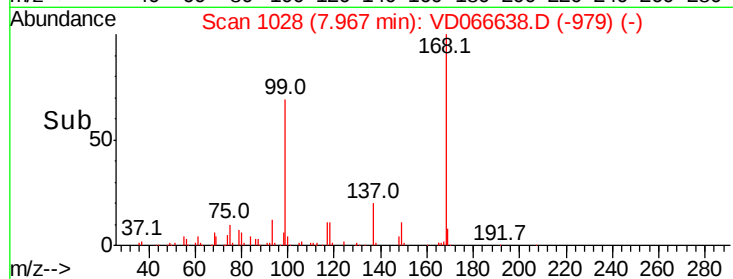
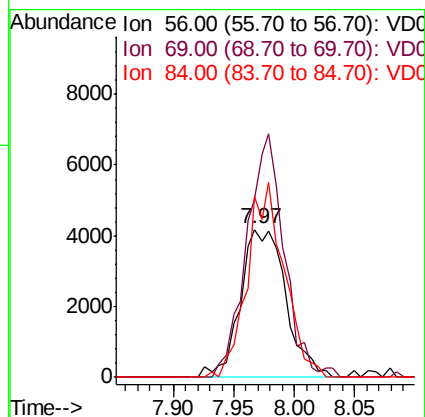
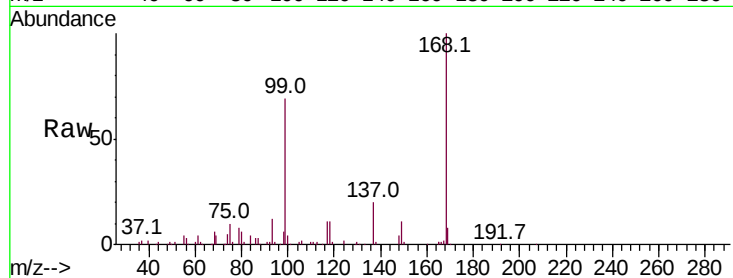




#31
Cyclohexane
Concen: 1.570 ug/l
RT: 7.97 min Scan# 1028
Delta R.T. -0.01 min
Lab File: VD066638.D
Acq: 11 Sep 2020 03:34

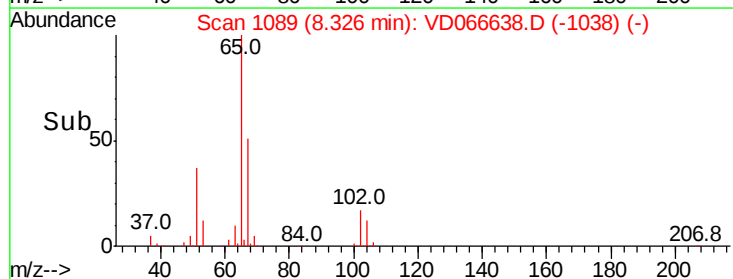
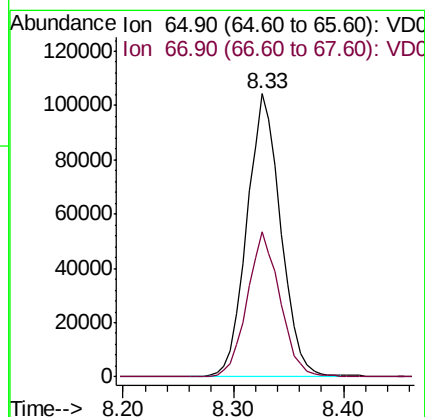
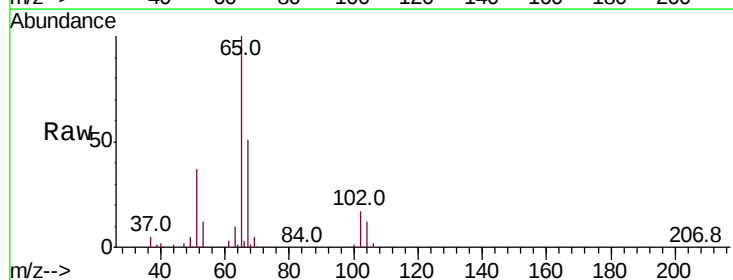
Instrument :
MSVOA_D
ClientSampled :
357

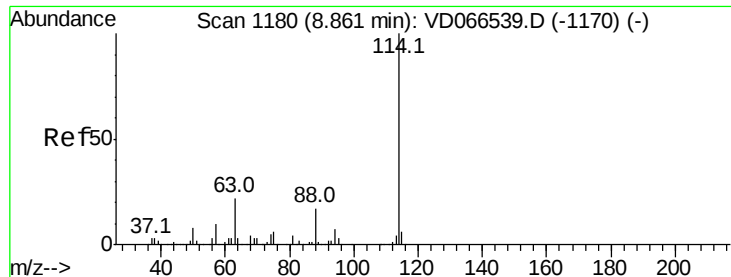
Tot Ion: 56 Resp: 11010
Ion Ratio Lower Upper
56 100
69 120.9 26.3 39.5#
84 122.4 66.1 99.1#



#33
1,2-Dichloroethane-d4
Concen: 52.155 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VD066638.D
Acq: 11 Sep 2020 03:34

Tgt Ion: 65 Resp: 224165
Ion Ratio Lower Upper
65 100
67 50.2 0.0 102.8

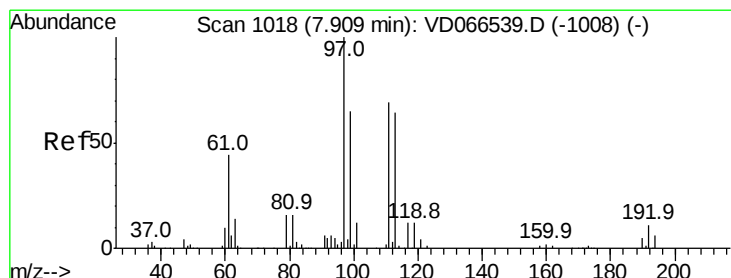
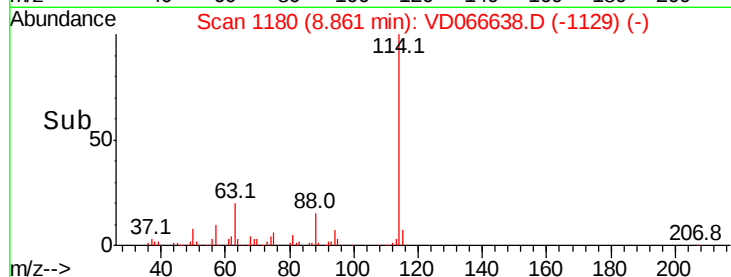
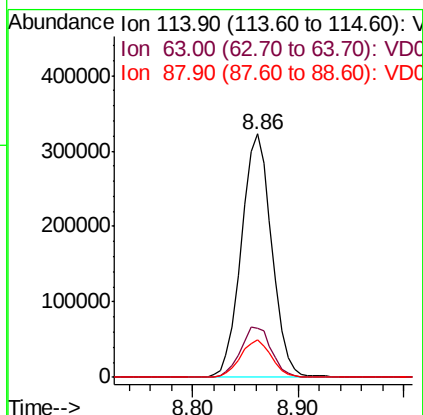
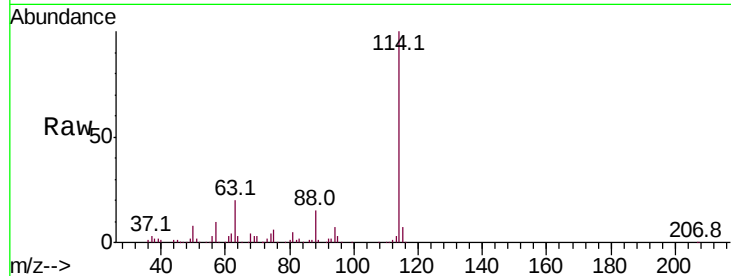




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066638.D
 Acq: 11 Sep 2020 03:34

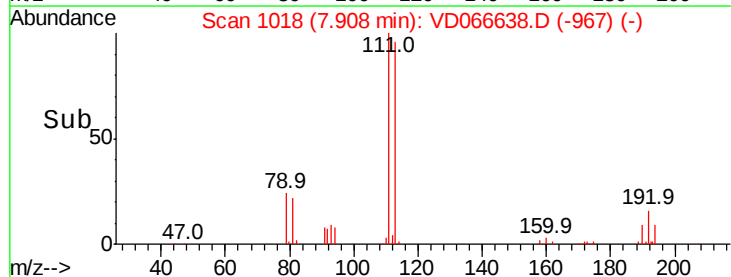
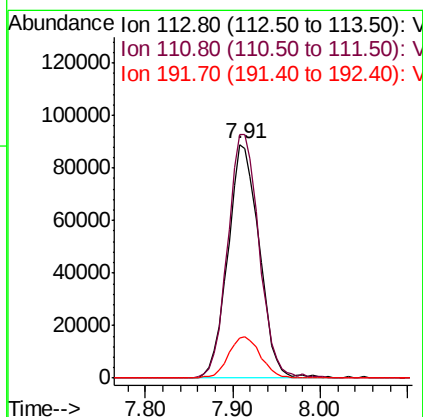
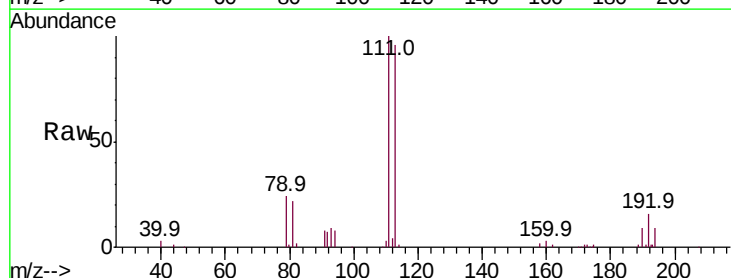
Instrument :
 MSVOA_D
 ClientSampleId :
 357

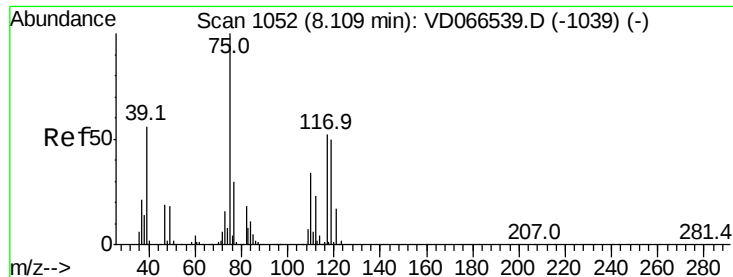
Tot Ion:114 Resp: 645029
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 43.2
 88 15.2 0.0 33.2



#35
 Dibromofluoromethane
 Concen: 49.788 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VD066638.D
 Acq: 11 Sep 2020 03:34

Tgt Ion:113 Resp: 216650
 Ion Ratio Lower Upper
 113 100
 111 104.8 83.2 124.8
 192 17.8 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.957 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD066638.D

Acq: 11 Sep 2020 03:34

Instrument :

MSVOA_D

ClientSampleId :

357

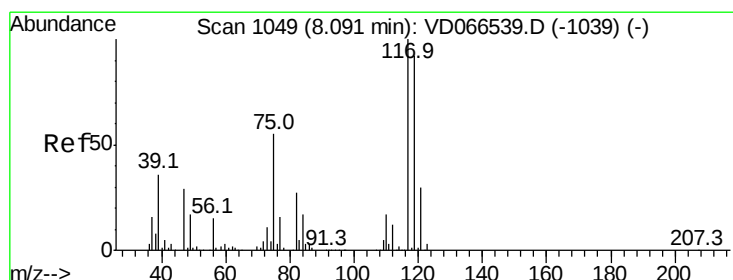
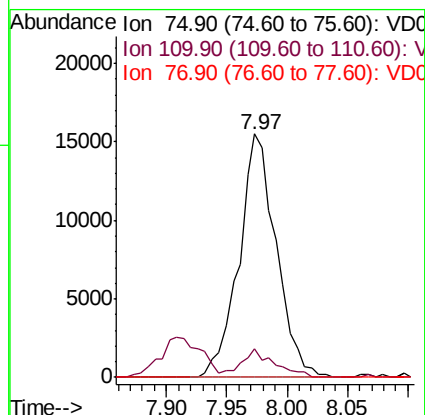
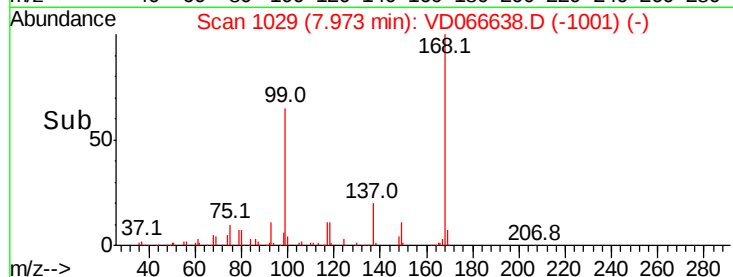
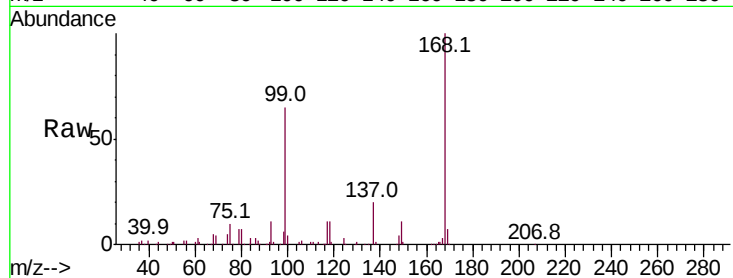
Tot Ion: 75 Resp: 33276

Ion Ratio Lower Upper

75 100

110 9.9 17.3 52.0#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.536 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066638.D

Acq: 11 Sep 2020 03:34

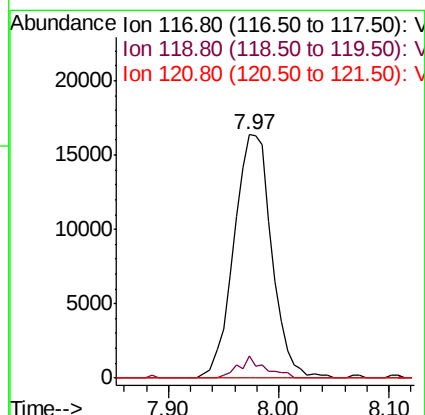
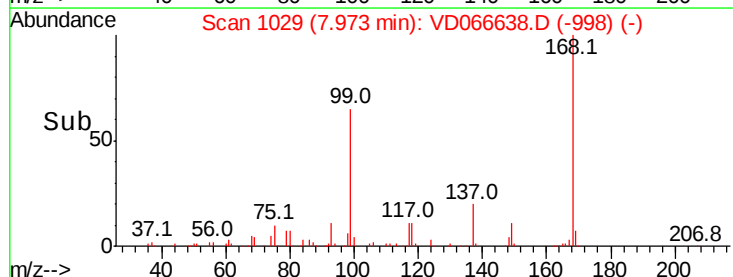
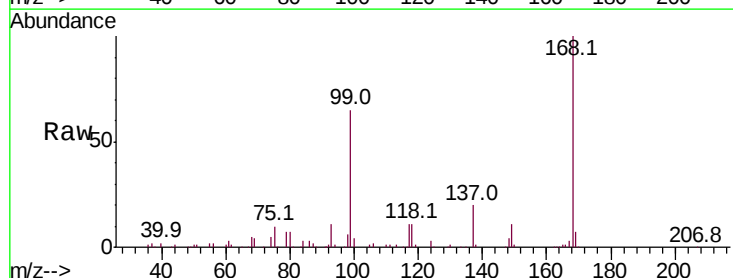
Tgt Ion: 117 Resp: 39277

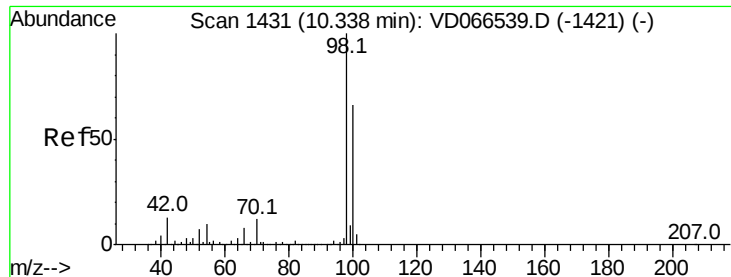
Ion Ratio Lower Upper

117 100

119 9.0 73.9 110.9#

121 0.0 24.1 36.1#

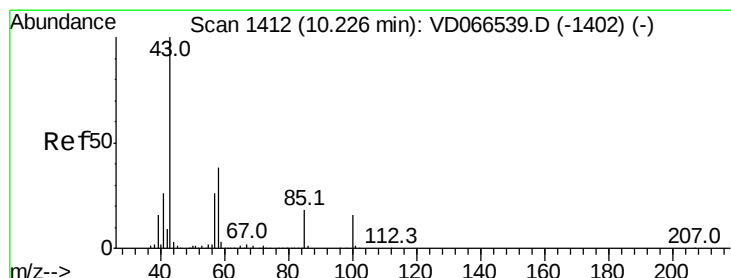
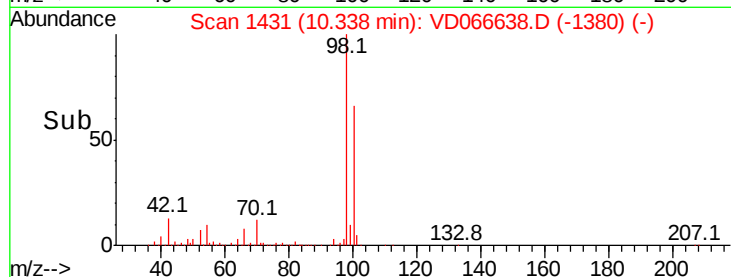
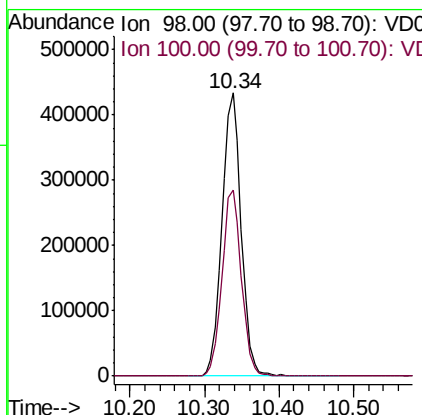
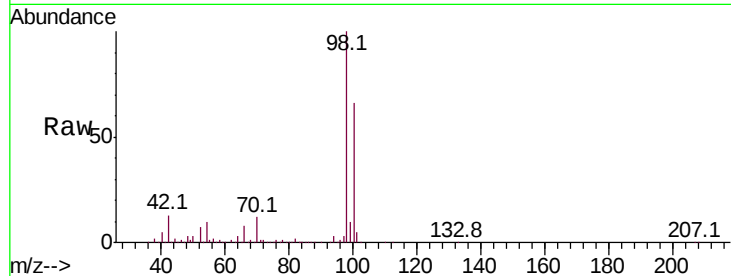




#50
Toluene-d8
Concen: 50.008 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066638.D
Acq: 11 Sep 2020 03:34

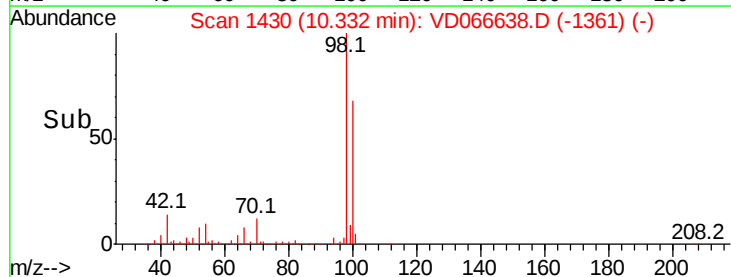
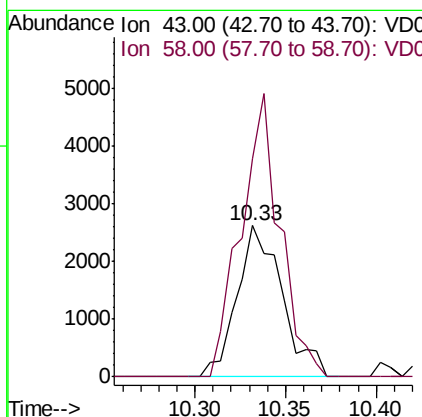
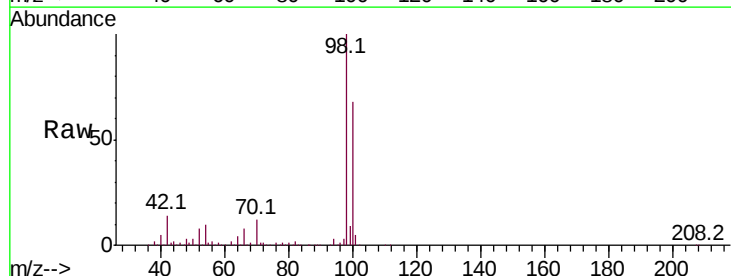
Instrument :
MSVOA_D
ClientSampleId :
357

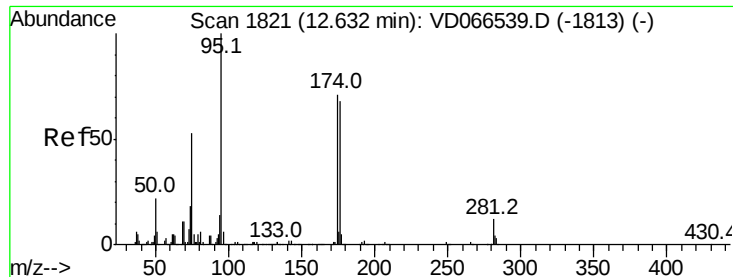
Tot Ion: 98 Resp: 777748
Ion Ratio Lower Upper
98 100
100 66.1 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 1.762 ug/l
RT: 10.33 min Scan# 1430
Delta R.T. 0.11 min
Lab File: VD066638.D
Acq: 11 Sep 2020 03:34

Tgt Ion: 43 Resp: 4553
Ion Ratio Lower Upper
43 100
58 161.1 30.5 45.7#





#62

4-Bromofluorobenzene

Concen: 48.429 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066638.D

Acq: 11 Sep 2020 03:34

Instrument :

MSVOA_D

ClientSampleId :

357

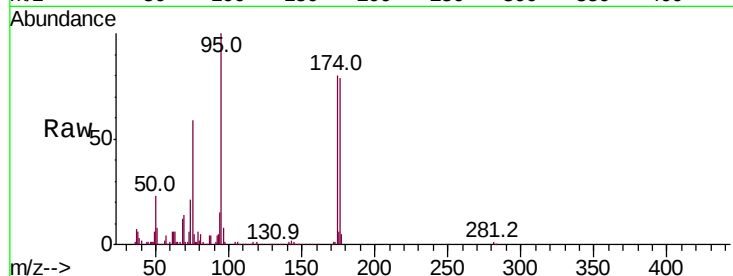
Tot Ion: 95 Resp: 249754

Ion Ratio Lower Upper

95 100

174 77.3 0.0 155.8

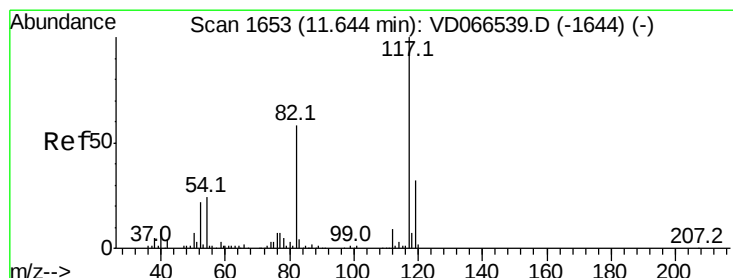
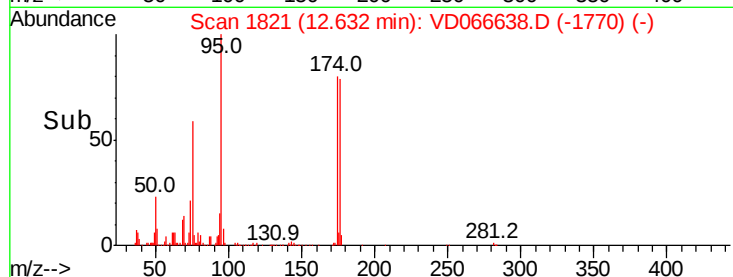
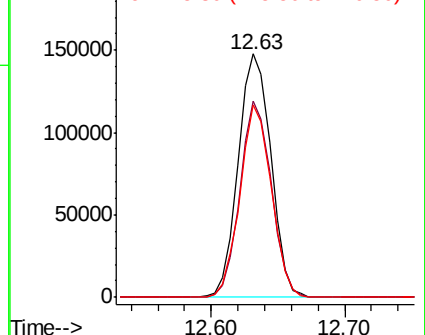
176 76.0 0.0 148.6



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: 11.64 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VD066638.D

Acq: 11 Sep 2020 03:34

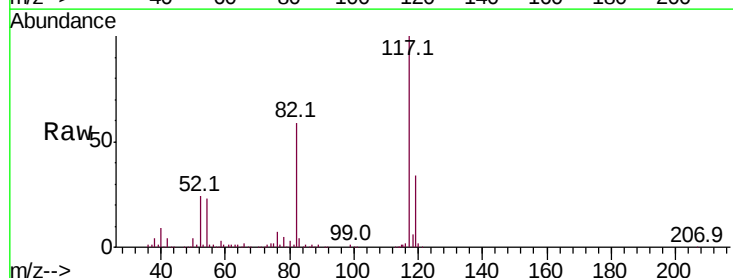
Tgt Ion: 117 Resp: 593863

Ion Ratio Lower Upper

117 100

82 59.3 46.2 69.2

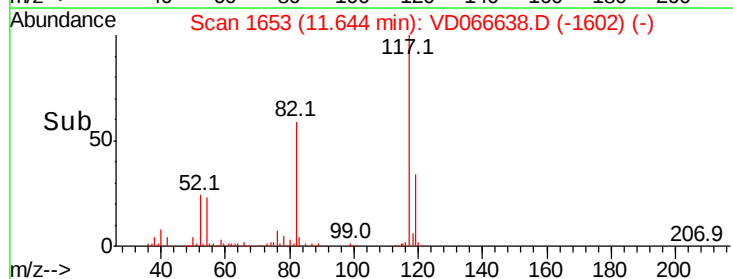
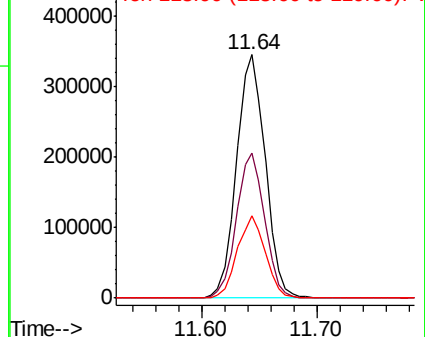
119 33.7 25.8 38.8

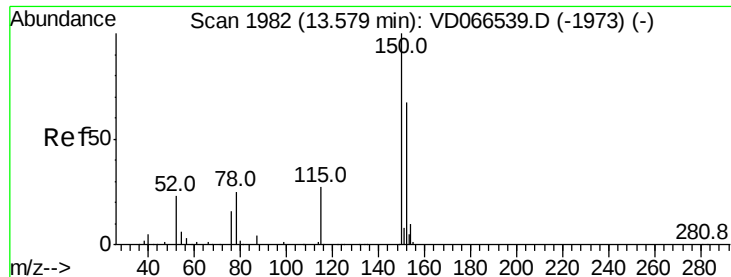


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD066638.D

Acq: 11 Sep 2020 03:34

Instrument :

MSVOA_D

ClientSampleId :

357

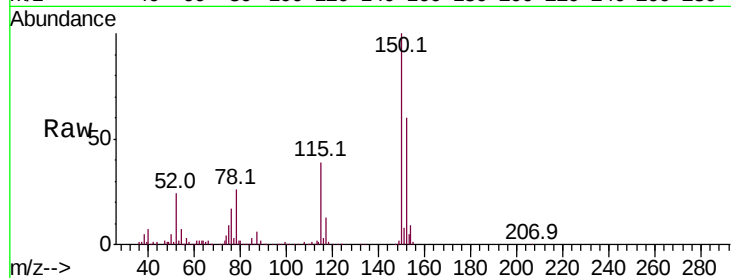
Tot Ion:152 Resp: 253835

Ion Ratio Lower Upper

152 100

115 62.2 30.4 91.2

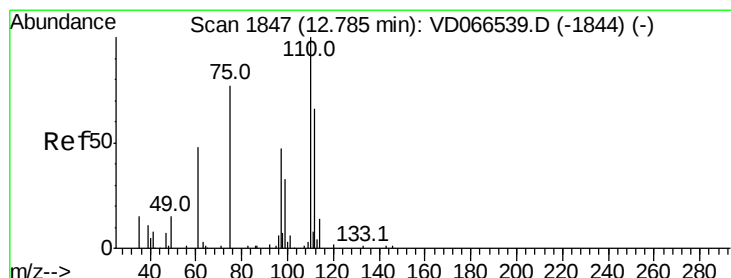
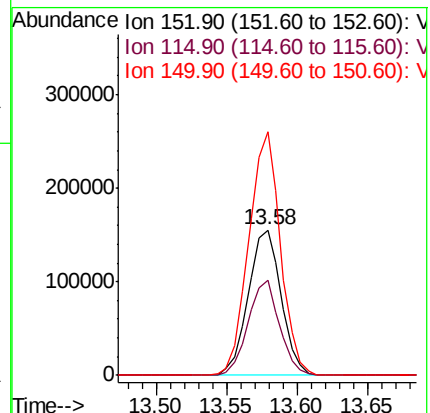
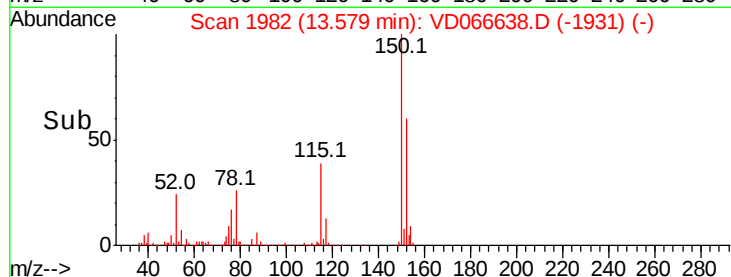
150 161.1 0.0 345.8



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: 58.271 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066638.D

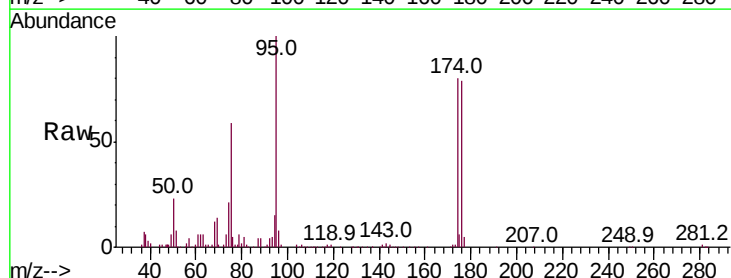
Acq: 11 Sep 2020 03:34

Tgt Ion: 75 Resp: 142251

Ion Ratio Lower Upper

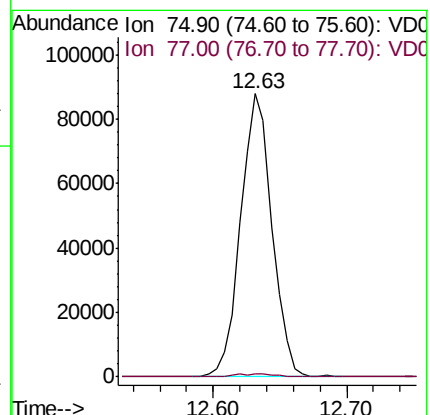
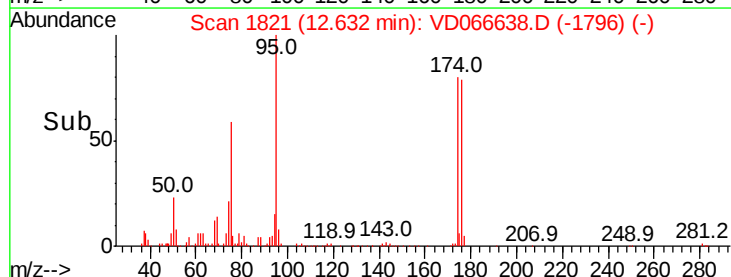
75 100

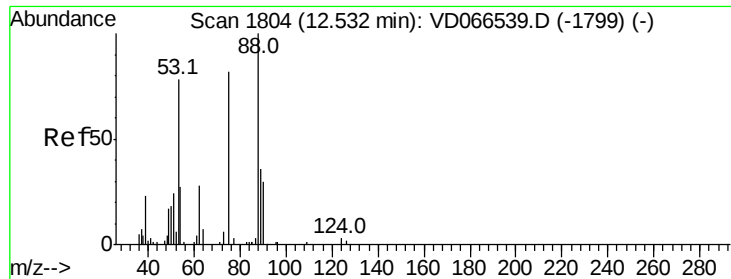
77 1.2 0.0 0.0#



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: 136.041 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066638.D

Acq: 11 Sep 2020 03:34

Instrument :

MSVOA_D

ClientSampleId :

357

Tot Ion: 75 Resp: 142251

Ion Ratio Lower Upper

75 100

53 0.2 87.0 130.4#

89 0.0 37.1 55.7#

