

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090920\
 Data File : VD066601.D
 Acq On : 10 Sep 2020 01:16
 Operator : VA/SY
 Sample : L3931-03
 Misc : 6.49G/5.00ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-1-2

Quant Time: Sep 10 02:40:05 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	7.97	168	319694	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	637665	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	603896	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	248140	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	237693	61.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.90%	
35) Dibromofluoromethane	7.91	113	225261	52.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.74%	
50) Toluene-d8	10.34	98	792310	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	
62) 4-Bromofluorobenzene	12.63	95	262025	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	

Target Compounds

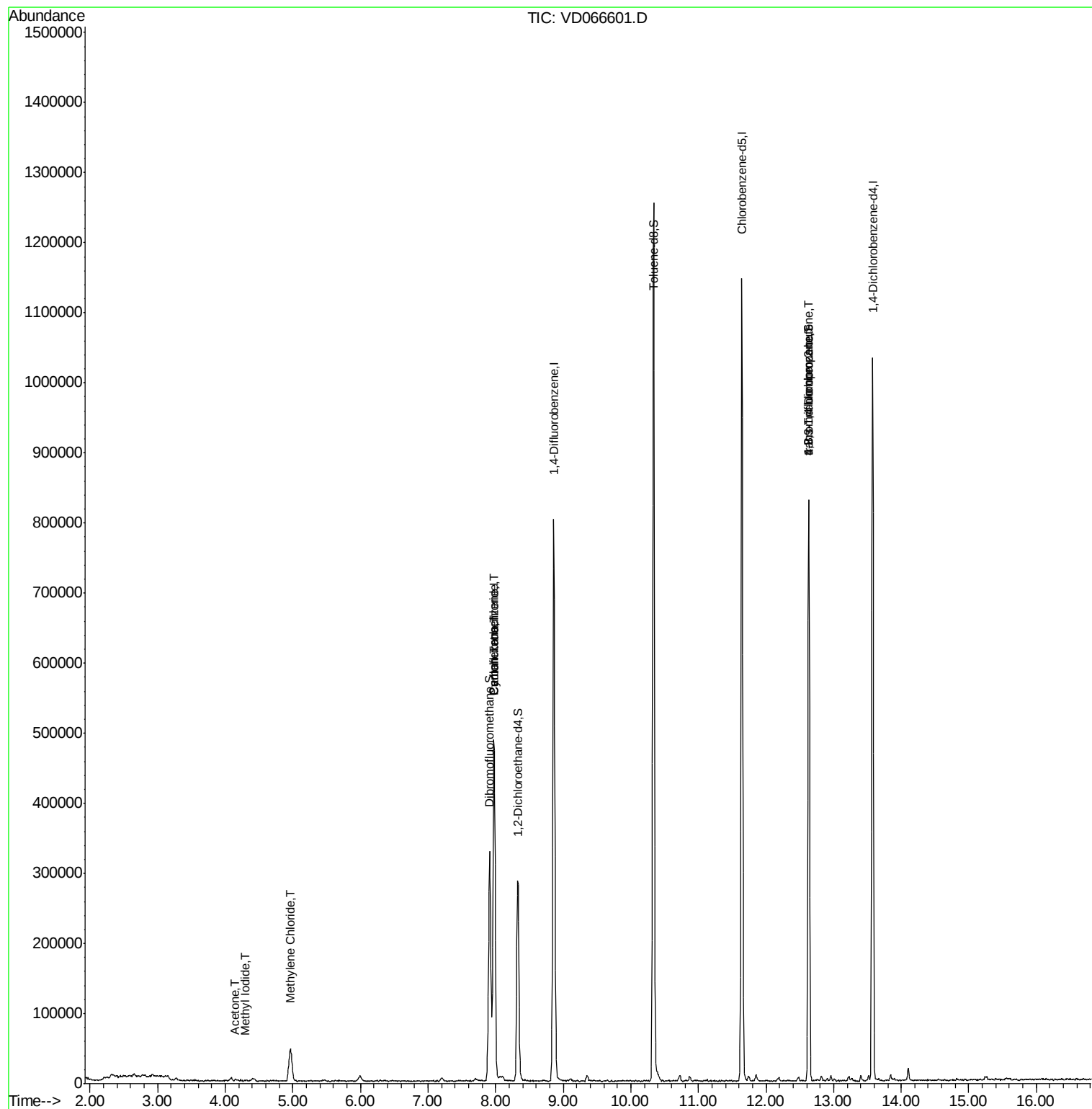
					Qvalue
2) Dichlorodifluoromethane	1.99	85	1438	Below Cal	90
5) Bromomethane	2.77	94	1352	Below Cal	# 66
10) Methyl Iodide	4.29	142	306	4.109 ug/l	# 70
16) Acetone	4.14	43	3636	5.109 ug/l	94
20) Methylene Chloride	4.97	84	33930	2.454 ug/l	89
31) Cyclohexane	7.98	56	11248	1.782 ug/l	# 31
38) Carbon Tetrachloride	7.98	117	40239	5.737 ug/l	# 17
76) 1,2,3-Trichloropropane	12.63	75	145163	60.828 ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.63	75	145163	142.012 ug/l	# 7

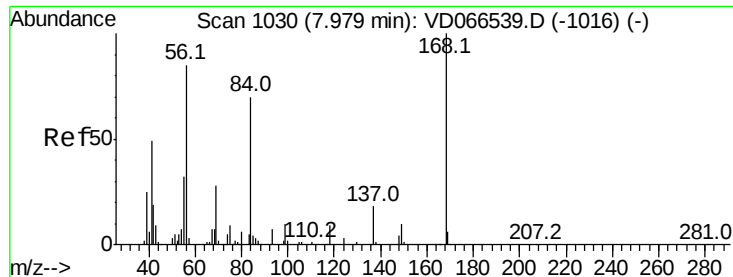
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 10 02:40:05 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 04 01:57:04 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066601.D

Acq: 10 Sep 2020 01:16

Instrument :

MSVOA_D

ClientSampleId :

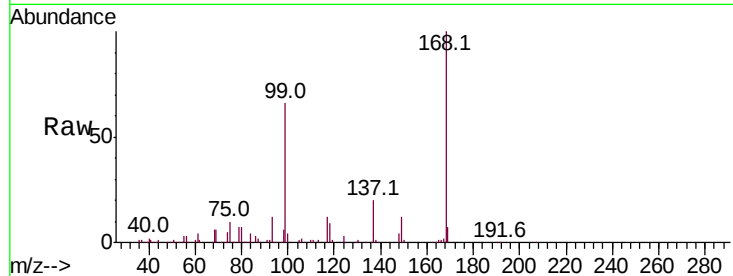
SP-1-2

Tot Ion:168 Resp: 319694

Ion Ratio Lower Upper

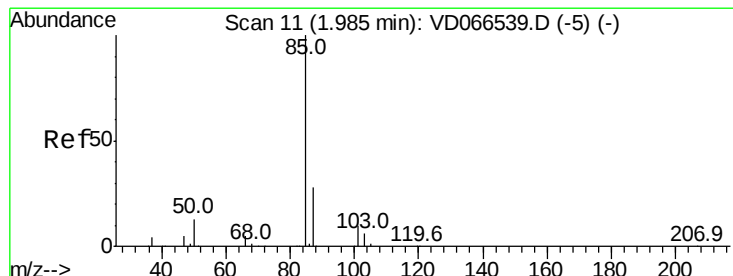
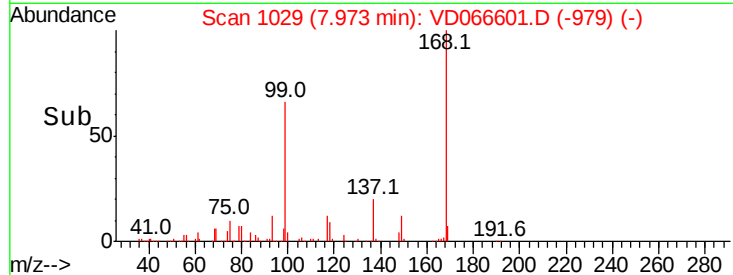
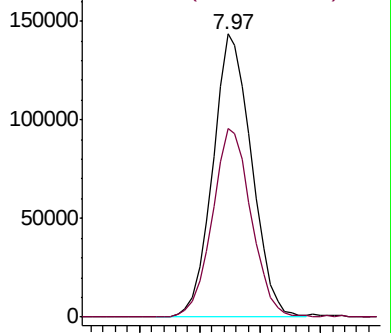
168 100

99 66.3 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066601.D

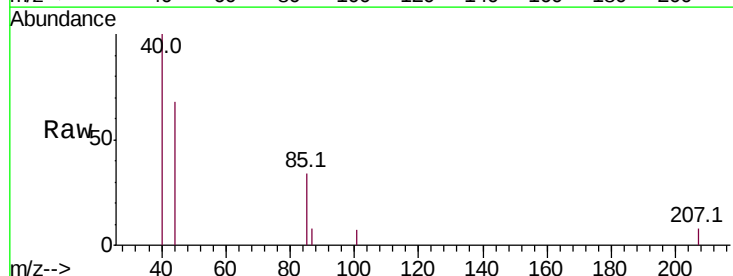
Acq: 10 Sep 2020 01:16

Tgt Ion: 85 Resp: 1438

Ion Ratio Lower Upper

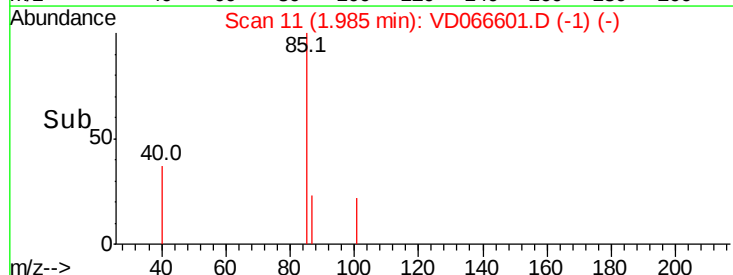
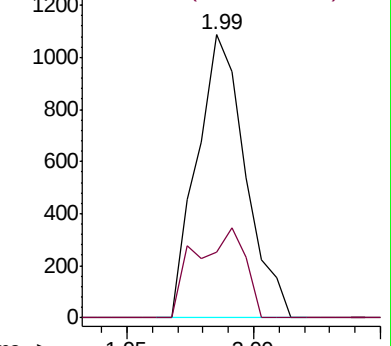
85 100

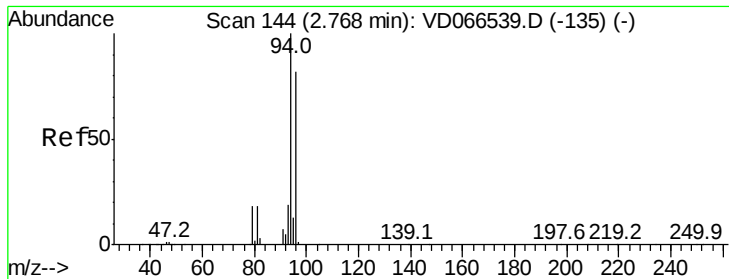
87 23.1 14.2 42.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD066601.D

Acq: 10 Sep 2020 01:16

Instrument :

MSVOA_D

ClientSampled :

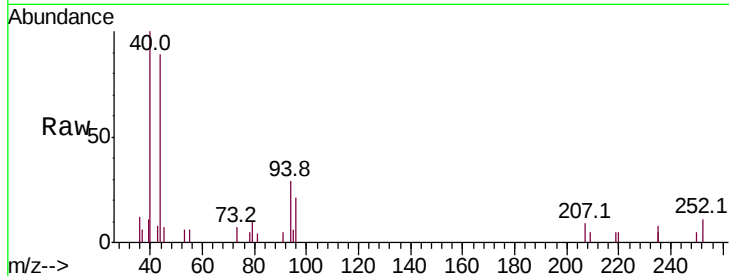
SP-1-2

Tot Ion: 94 Resp: 1352

Ion Ratio Lower Upper

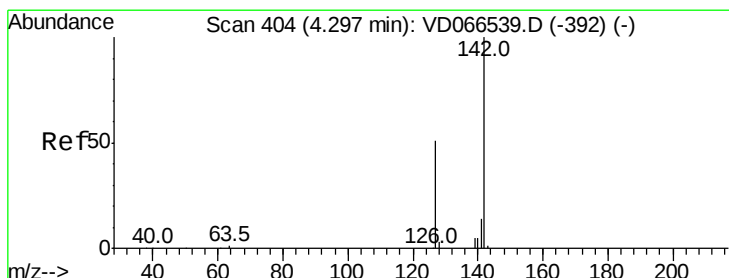
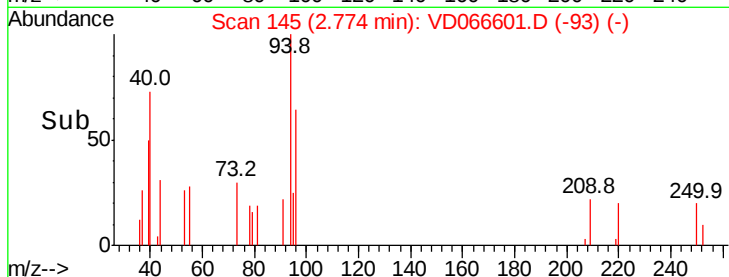
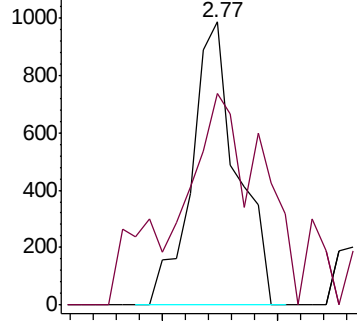
94 100

96 50.9 65.2 97.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#10

Methyl Iodide

Concen: 4.109 ug/l

RT: 4.29 min Scan# 402

Delta R.T. -0.01 min

Lab File: VD066601.D

Acq: 10 Sep 2020 01:16

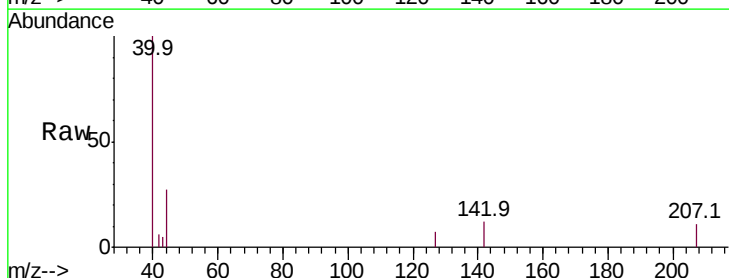
Tgt Ion:142 Resp: 306

Ion Ratio Lower Upper

142 100

127 24.5 40.6 61.0#

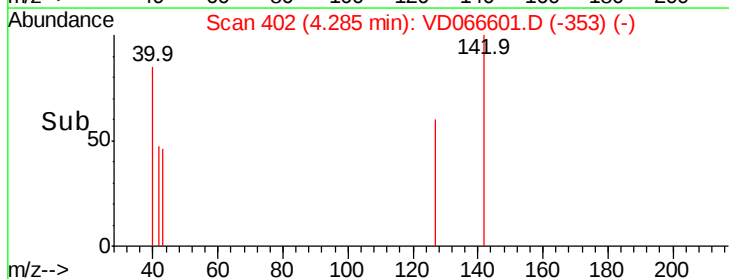
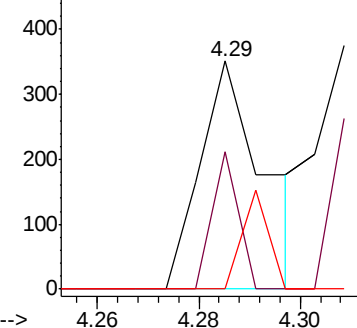
141 17.6 12.2 18.4

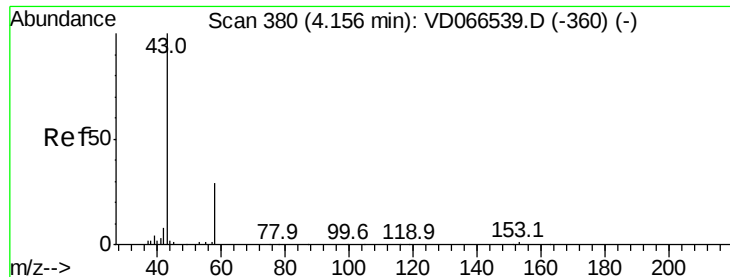


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

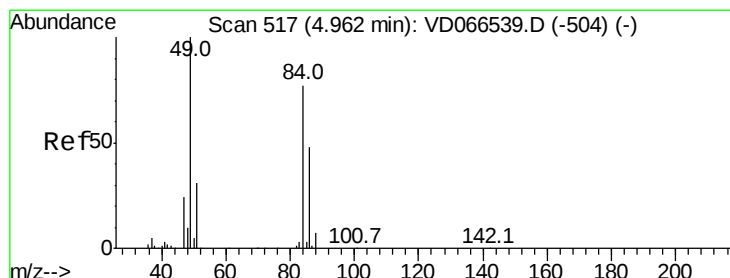
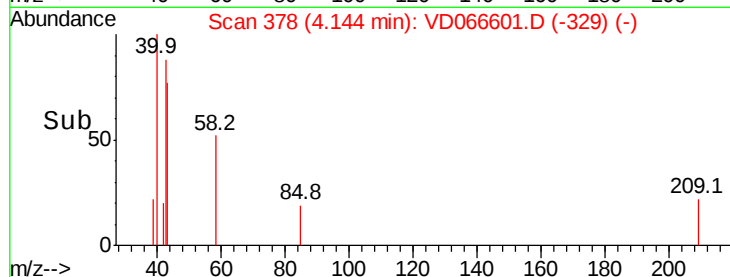
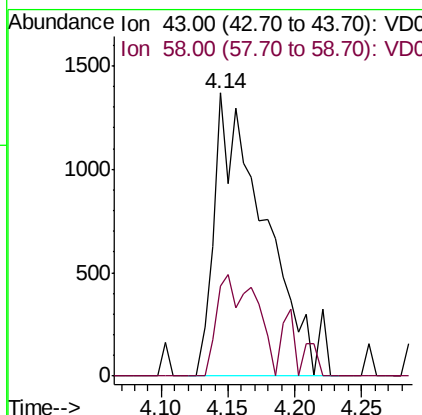
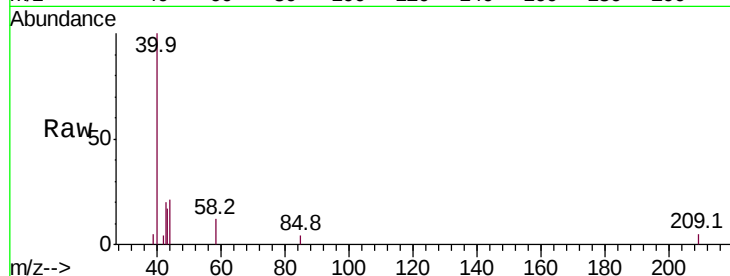




#16
Acetone
Concen: 5.109 ug/l
RT: 4.14 min Scan# 378
Delta R.T. -0.01 min
Lab File: VD066601.D
Acq: 10 Sep 2020 01:16

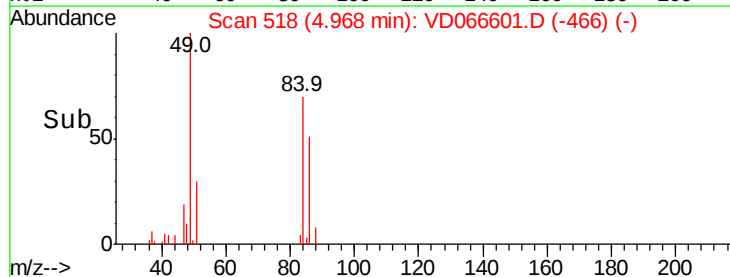
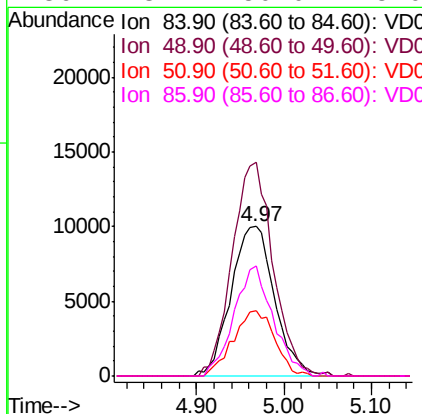
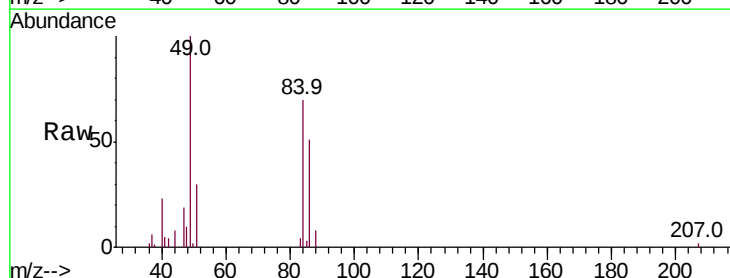
Instrument :
MSVOA_D
ClientSampleId :
SP-1-2

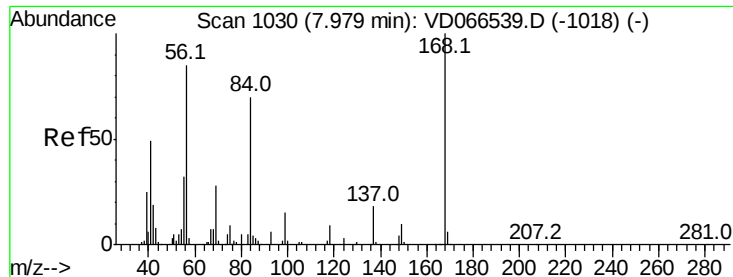
Tot Ion: 43 Resp: 3636
Ion Ratio Lower Upper
43 100
58 31.7 22.9 34.3



#20
Methylene Chloride
Concen: 2.454 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066601.D
Acq: 10 Sep 2020 01:16

Tgt Ion: 84 Resp: 33930
Ion Ratio Lower Upper
84 100
49 142.8 104.3 156.5
51 43.5 32.2 48.4
86 73.4 50.0 75.0

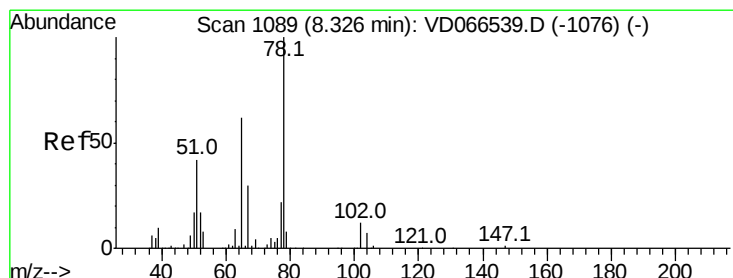
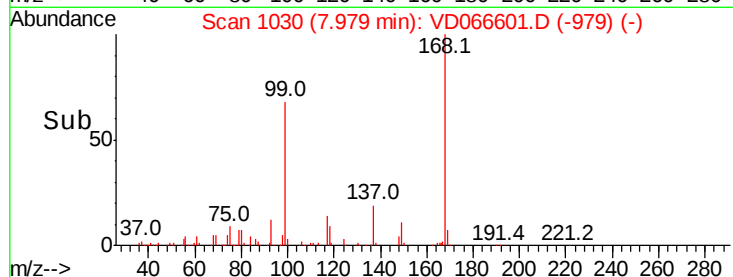
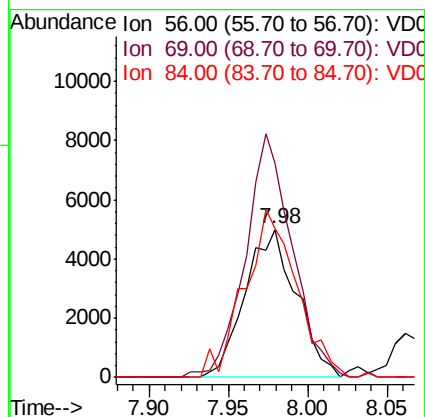
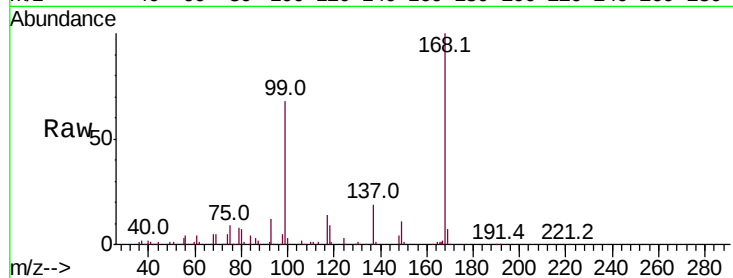




#31
Cyclohexane
Concen: 1.782 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066601.D
Acq: 10 Sep 2020 01:16

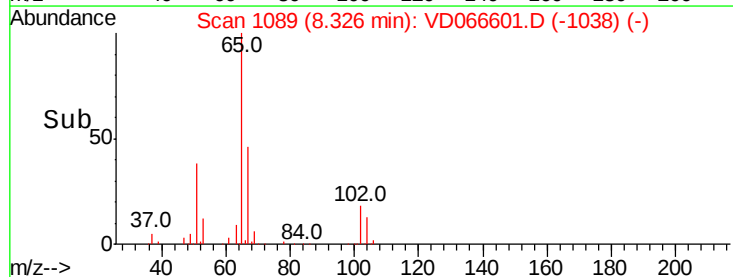
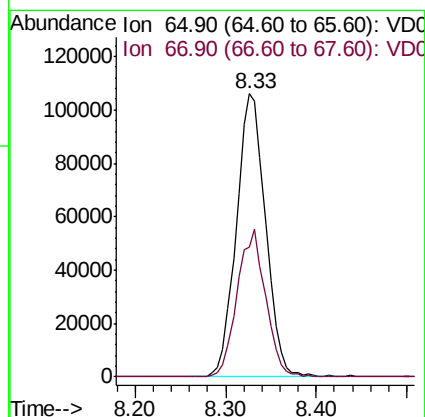
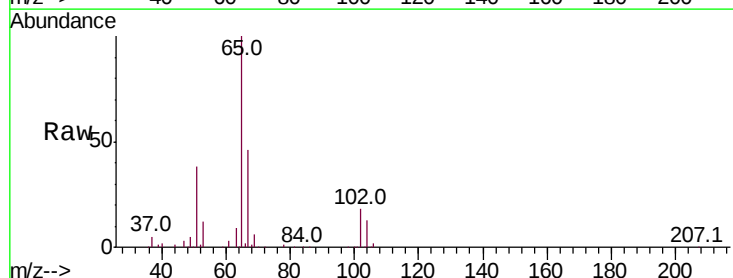
Instrument :
MSVOA_D
ClientSampled :
SP-1-2

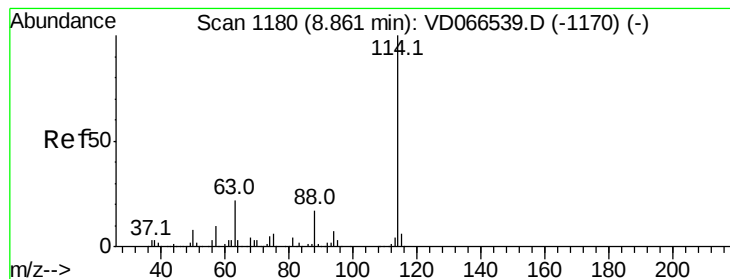
Tot Ion: 56 Resp: 11248
Ion Ratio Lower Upper
56 100
69 141.3 26.3 39.5#
84 100.8 66.1 99.1#



#33
1,2-Dichloroethane-d4
Concen: 61.451 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VD066601.D
Acq: 10 Sep 2020 01:16

Tgt Ion: 65 Resp: 237693
Ion Ratio Lower Upper
65 100
67 50.7 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: VD066601.D

Acq: 10 Sep 2020 01:16

Instrument :

MSVOA_D

ClientSampleId :

SP-1-2

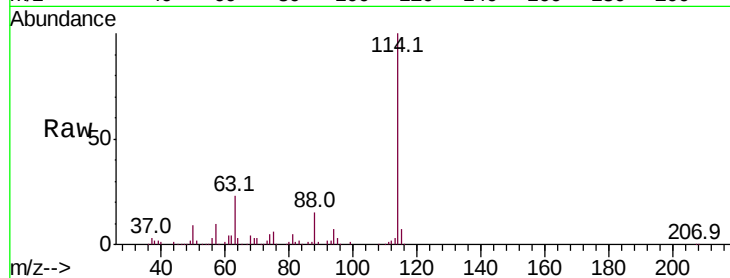
Tot Ion:114 Resp: 637665

Ion Ratio Lower Upper

114 100

63 22.8 0.0 43.2

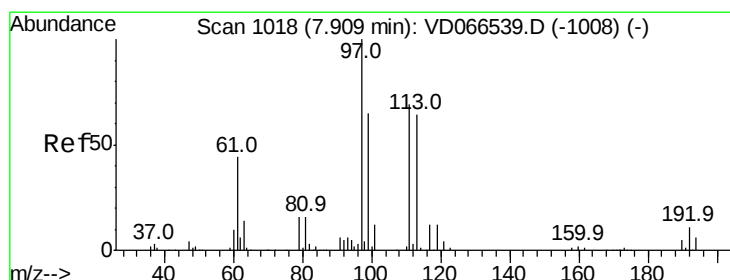
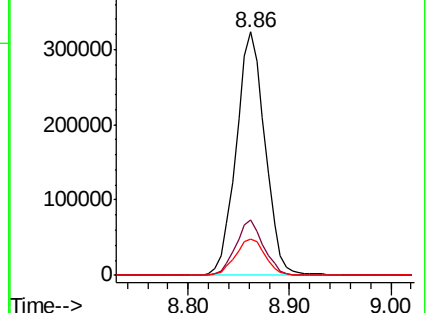
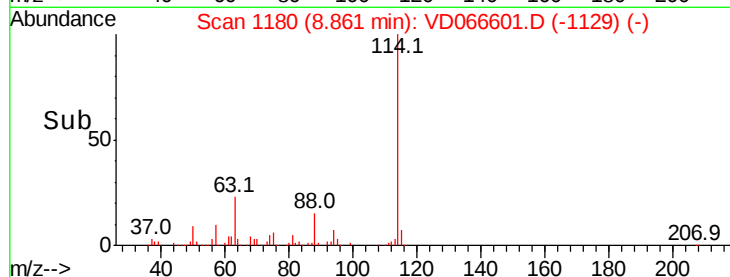
88 15.1 0.0 33.2



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: 52.365 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066601.D

Acq: 10 Sep 2020 01:16

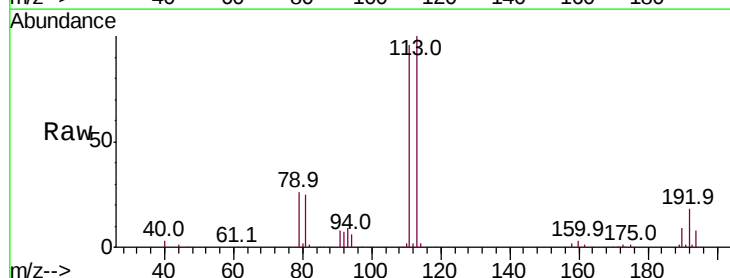
Tgt Ion:113 Resp: 225261

Ion Ratio Lower Upper

113 100

111 102.6 83.2 124.8

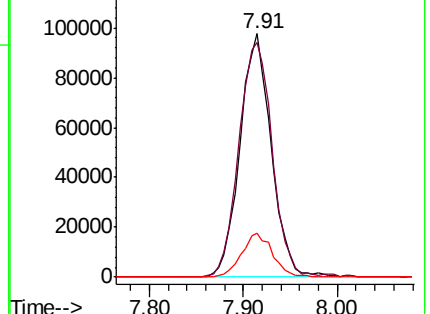
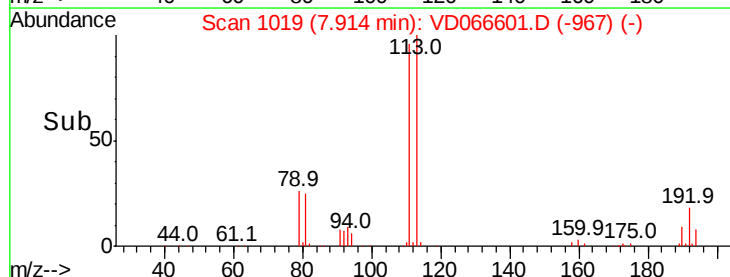
192 17.8 13.7 20.5

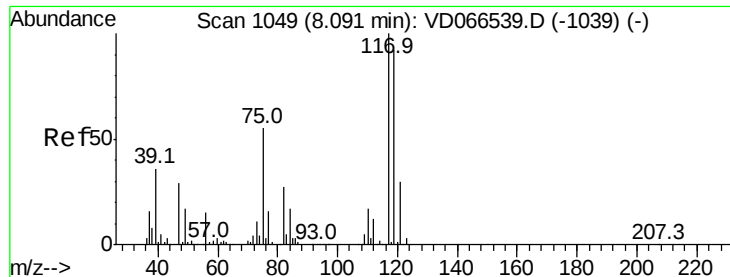


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

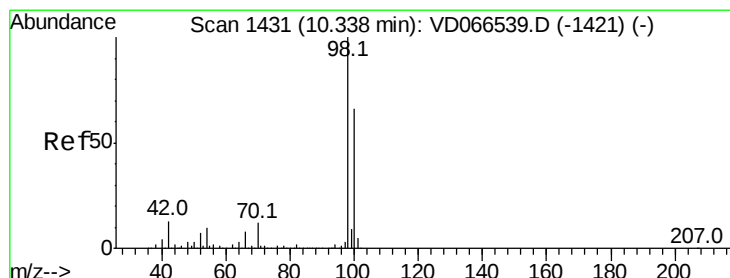
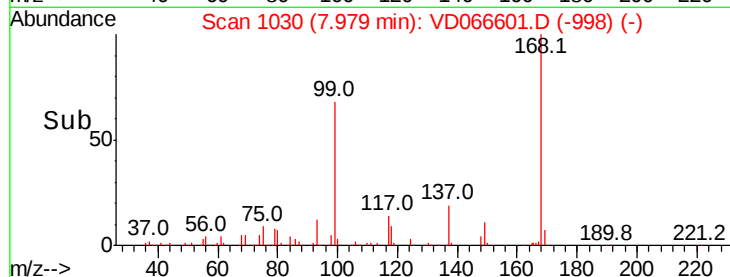
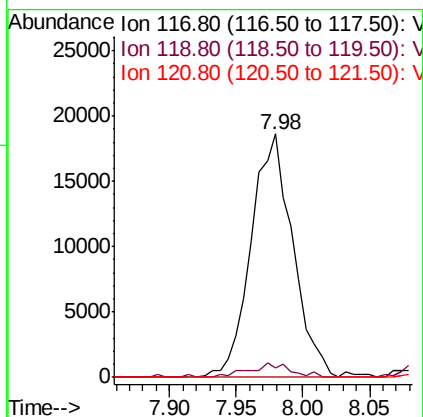
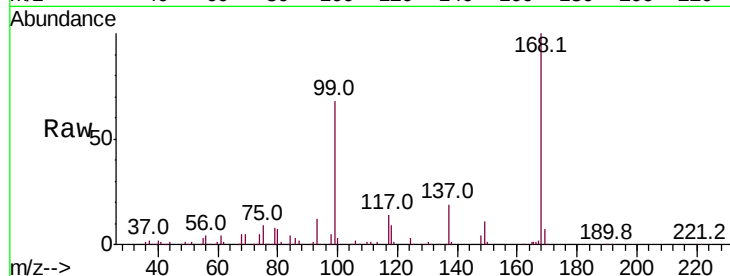




#38
Carbon Tetrachloride
Concen: 5.737 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.11 min
Lab File: VD066601.D
Acq: 10 Sep 2020 01:16

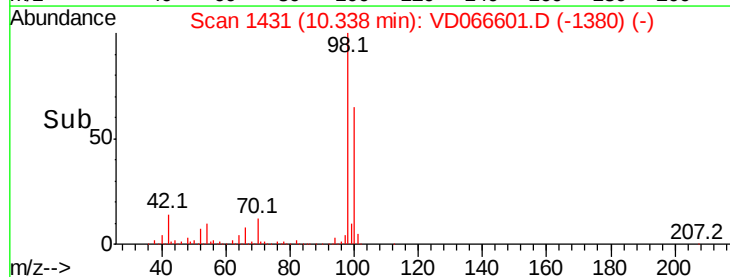
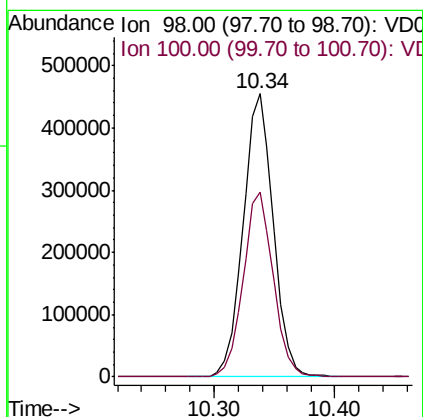
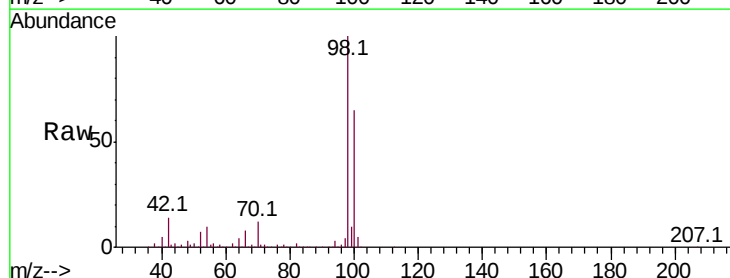
Instrument :
MSVOA_D
ClientSampleId :
SP-1-2

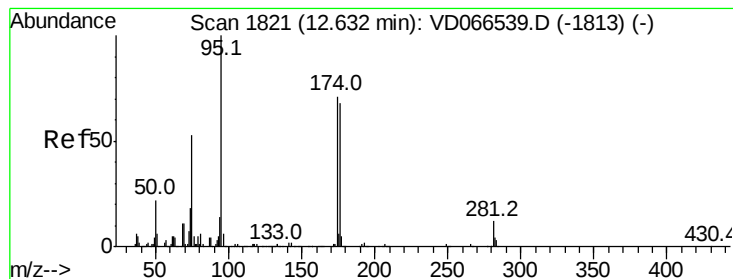
Tot Ion:117 Resp: 40239
Ion Ratio Lower Upper
117 100
119 3.9 73.9 110.9#
121 0.0 24.1 36.1#



#50
Toluene-d8
Concen: 51.532 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066601.D
Acq: 10 Sep 2020 01:16

Tgt Ion: 98 Resp: 792310
Ion Ratio Lower Upper
98 100
100 65.2 52.9 79.3





#62

4-Bromofluorobenzene

Concen: 51.396 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066601.D

Acq: 10 Sep 2020 01:16

Instrument :

MSVOA_D

ClientSampleId :

SP-1-2

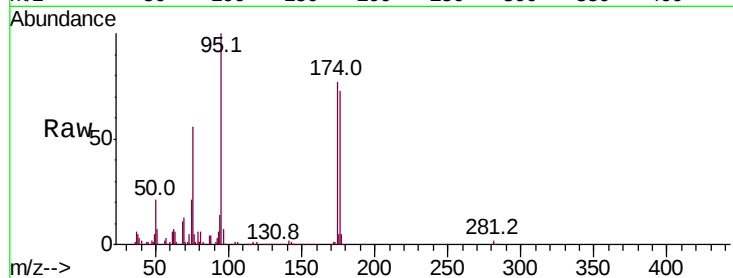
Tot Ion: 95 Resp: 262025

Ion Ratio Lower Upper

95 100

174 74.4 0.0 155.8

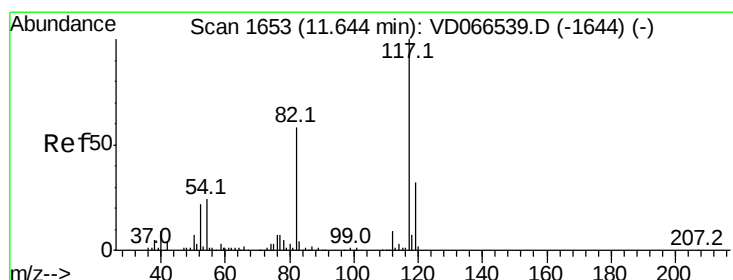
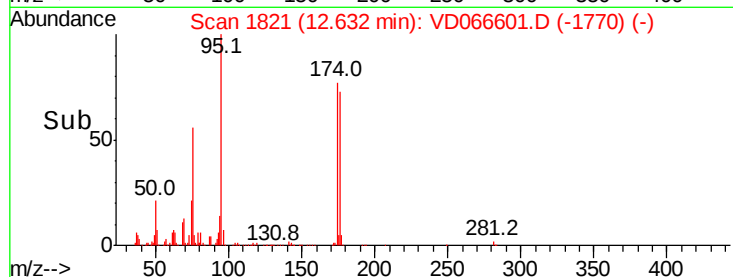
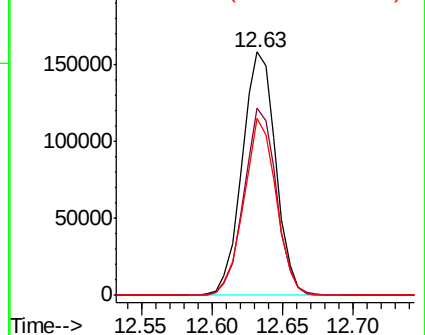
176 70.6 0.0 148.6



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: VD066601.D

Acq: 10 Sep 2020 01:16

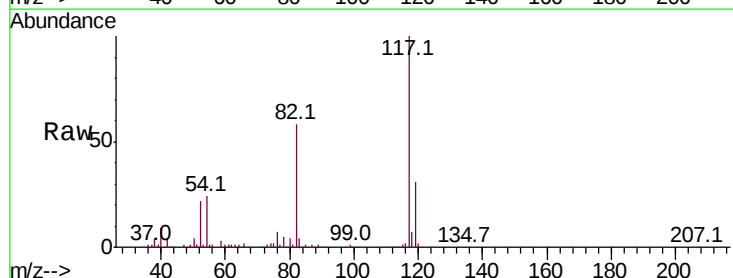
Tgt Ion: 117 Resp: 603896

Ion Ratio Lower Upper

117 100

82 57.7 46.2 69.2

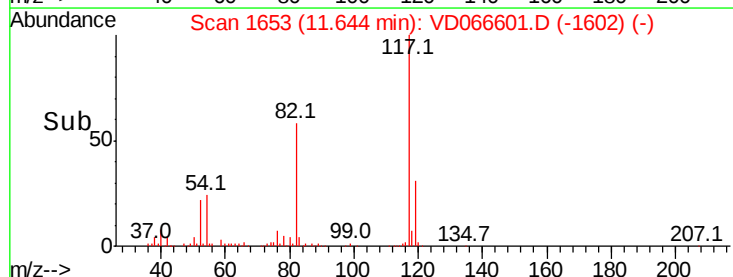
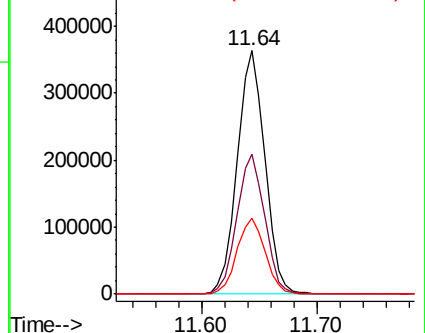
119 31.1 25.8 38.8

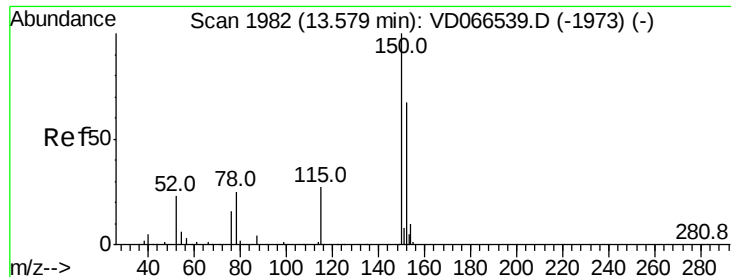


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD066601.D

Acq: 10 Sep 2020 01:16

Instrument :

MSVOA_D

ClientSampleId :

SP-1-2

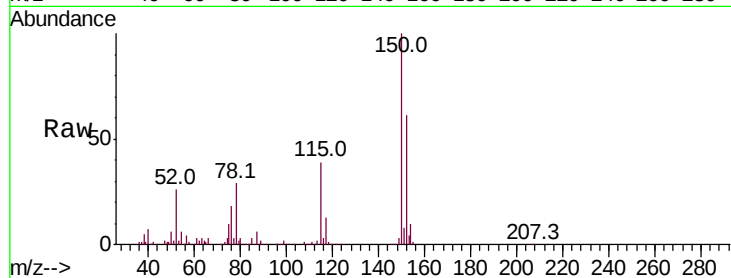
Tot Ion:152 Resp: 248140

Ion Ratio Lower Upper

152 100

115 63.8 30.4 91.2

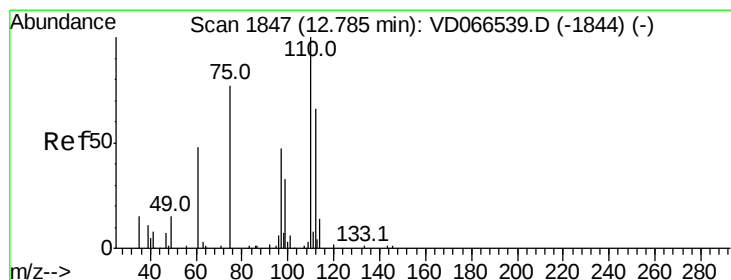
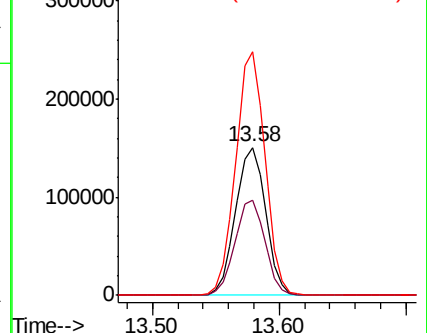
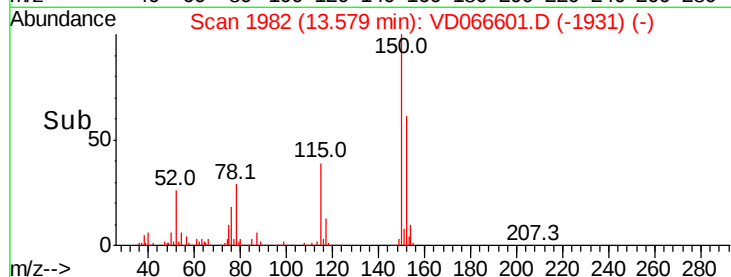
150 159.7 0.0 345.8



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: 60.828 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066601.D

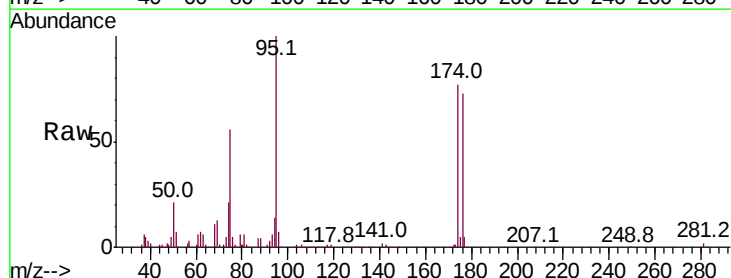
Acq: 10 Sep 2020 01:16

Tgt Ion: 75 Resp: 145163

Ion Ratio Lower Upper

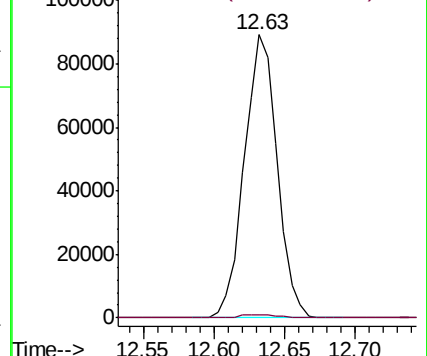
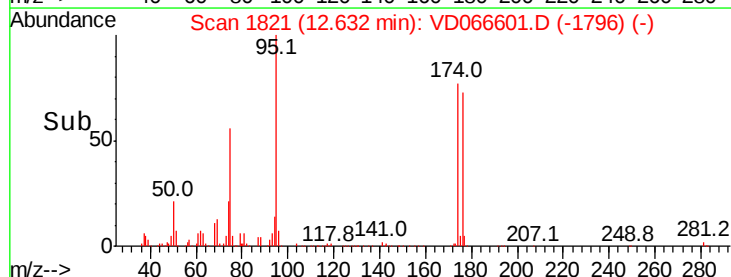
75 100

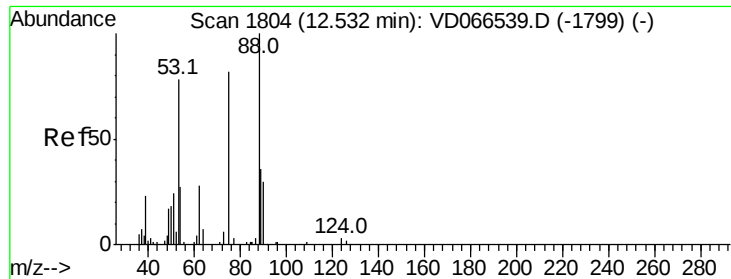
77 1.3 0.0 0.0#



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: 142.012 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066601.D

Acq: 10 Sep 2020 01:16

Instrument :

MSVOA_D

ClientSampleId :

SP-1-2

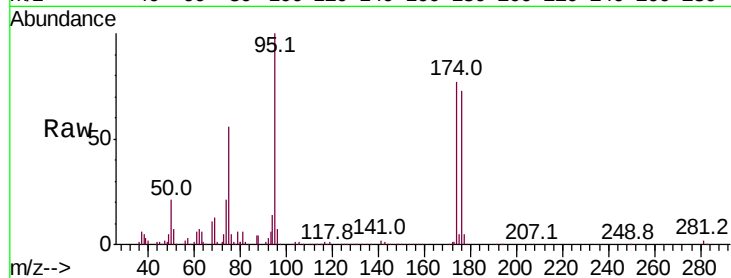
Tot Ion: 75 Resp: 145163

Ion Ratio Lower Upper

75 100

53 0.1 87.0 130.4#

89 0.0 37.1 55.7#



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

