

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091120\
 Data File : VD066649.D
 Acq On : 11 Sep 2020 15:34
 Operator : VA/SY
 Sample : L3951-01RE
 Misc : 3.55G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 12 00:40:21 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	379458	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	674037	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	647028	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	277293	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	236868	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	
35) Dibromofluoromethane	7.91	113	229521	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
50) Toluene-d8	10.34	98	831791	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
62) 4-Bromofluorobenzene	12.63	95	275961	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	

Target Compounds

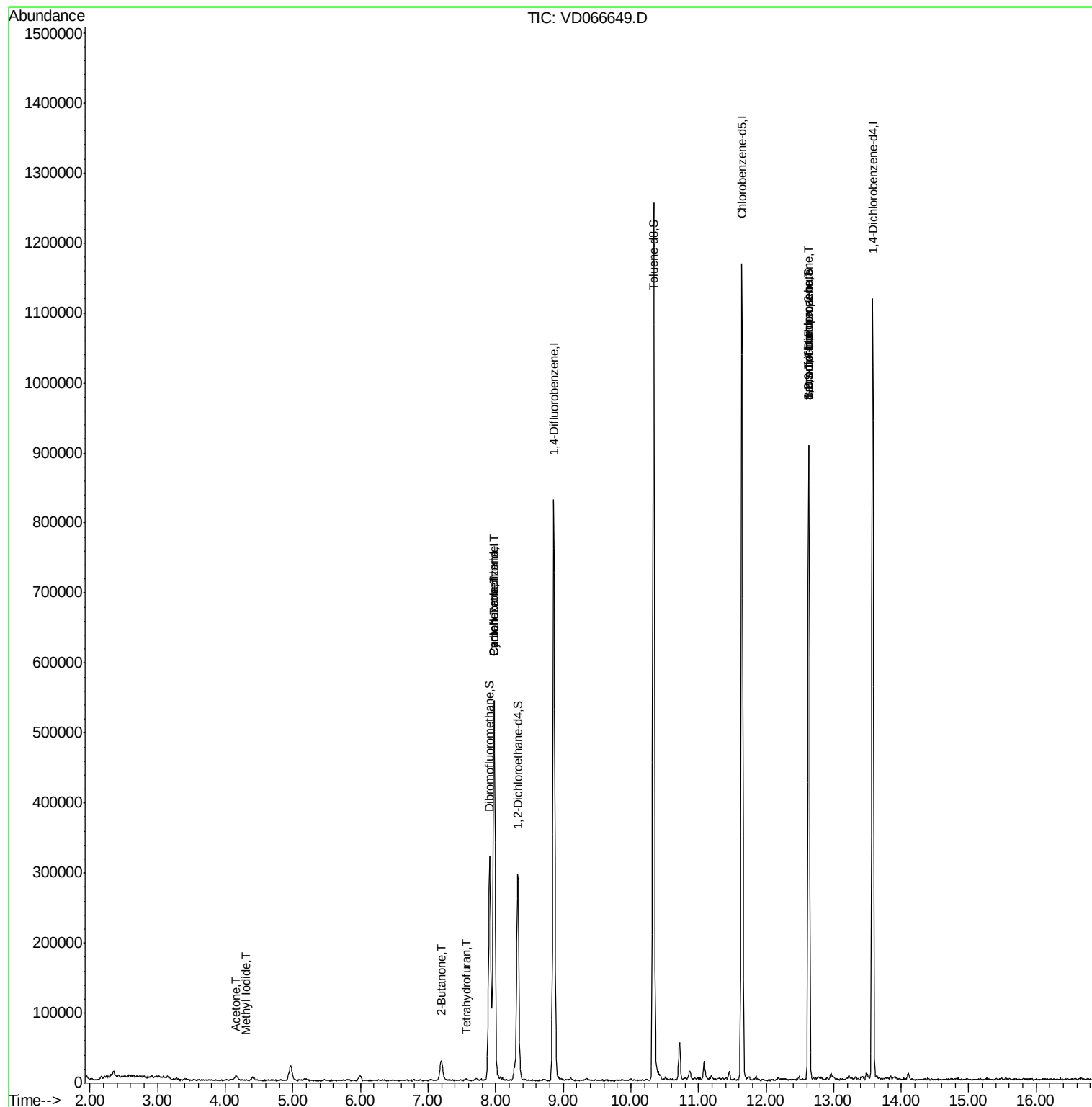
						Qvalue
2) Dichlorodifluoromethane	1.99	85	481	Below Cal	#	46
5) Bromomethane	2.77	94	252	Below Cal	#	32
10) Methyl Iodide	4.30	142	547	4.153	ug/l #	59
11) Tert butyl alcohol	5.22	59	903	Below Cal	#	74
16) Acetone	4.16	43	12630	14.951	ug/l	97
20) Methylene Chloride	4.96	84	15763	Below Cal		96
25) 2-Butanone	7.20	43	3505	3.091	ug/l #	76
29) Tetrahydrofuran	7.56	42	1351	1.913	ug/l #	47
31) Cyclohexane	7.98	56	11293	1.508	ug/l #	58
38) Carbon Tetrachloride	7.97	117	43920	5.924	ug/l #	18
71) Bromoform	12.63	173	2680	1.043	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	154066	57.771	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	154066	134.876	ug/l #	7

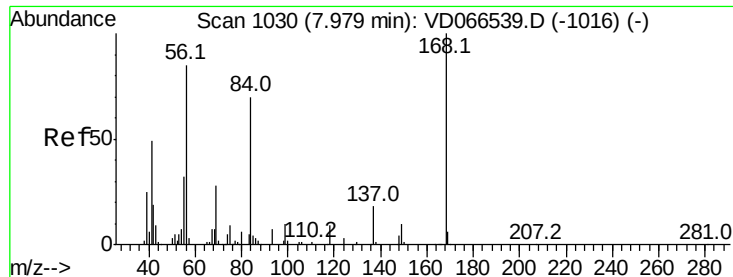
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066649.D

Acq: 11 Sep 2020 15:34

Instrument :

MSVOA_D

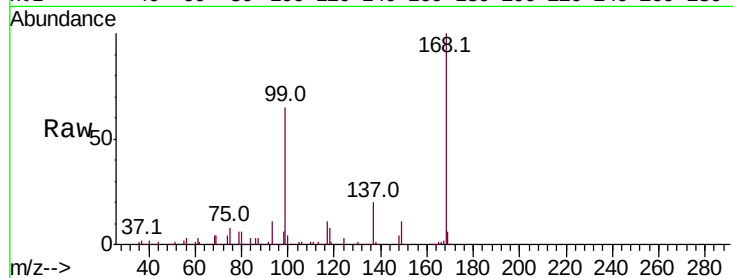
ClientSampleId :

Tot Ion:168 Resp: 379458

Ion Ratio Lower Upper

168 100

99 65.5 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

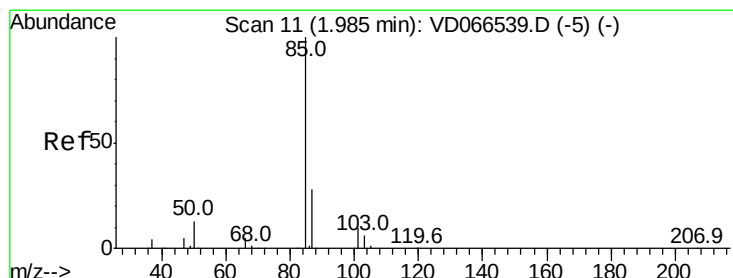
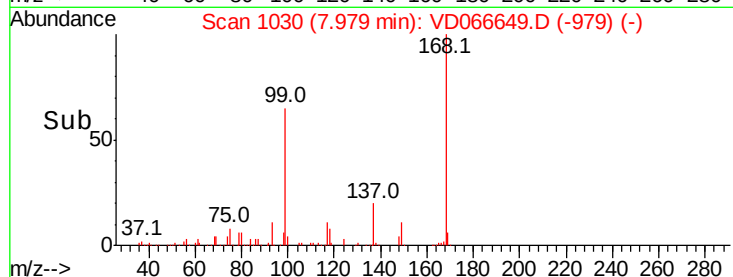
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066649.D

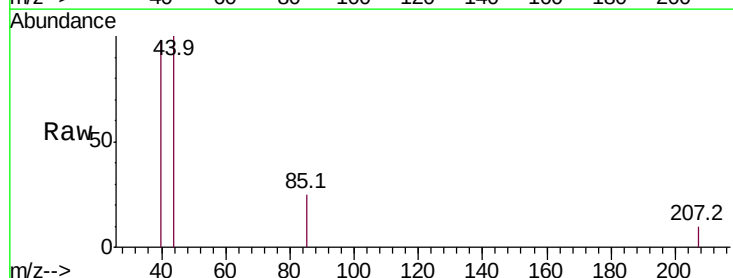
Acq: 11 Sep 2020 15:34

Tgt Ion: 85 Resp: 481

Ion Ratio Lower Upper

85 100

87 0.0 14.2 42.6#



Abundance Ion 84.90 (84.60 to 85.60): V

Ion 86.90 (86.60 to 87.60): V

1.99

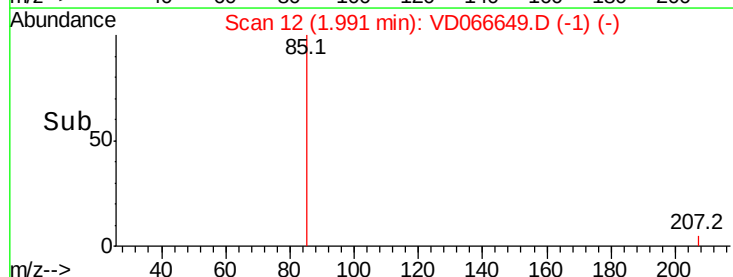
600

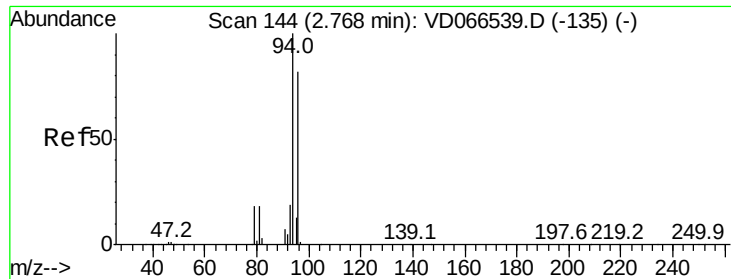
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD066649.D

Acq: 11 Sep 2020 15:34

Instrument :

MSVOA_D

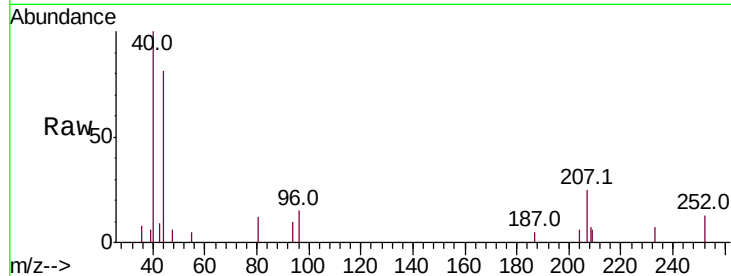
ClientSampled :

Tot Ion: 94 Resp: 252

Ion Ratio Lower Upper

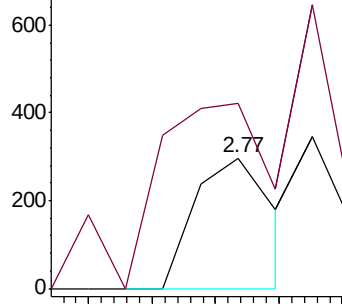
94 100

96 142.1 65.2 97.8#

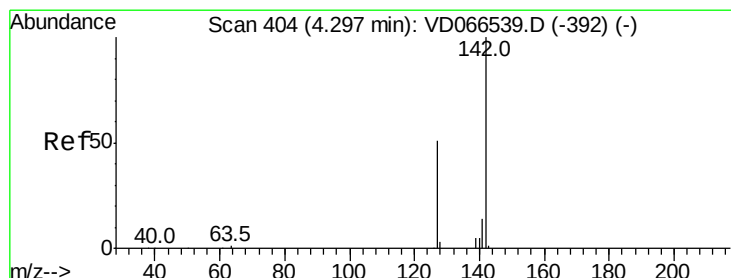
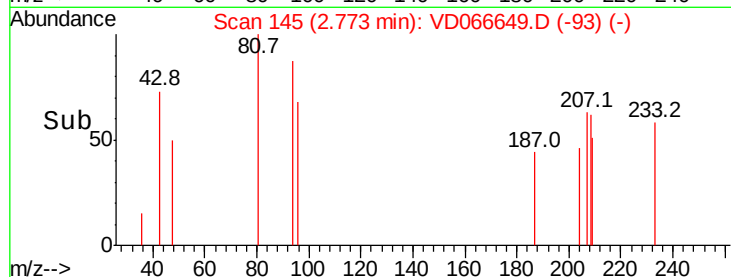


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#10

Methyl Iodide

Concen: 4.153 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD066649.D

Acq: 11 Sep 2020 15:34

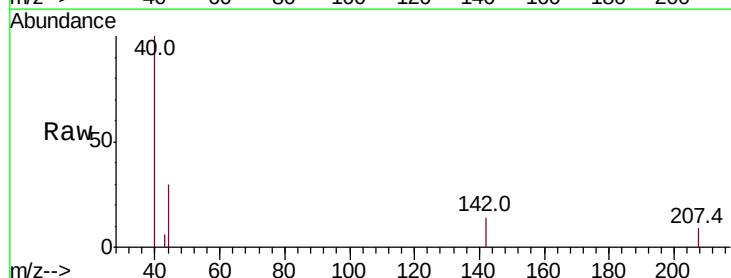
Tgt Ion: 142 Resp: 547

Ion Ratio Lower Upper

142 100

127 21.4 40.6 61.0#

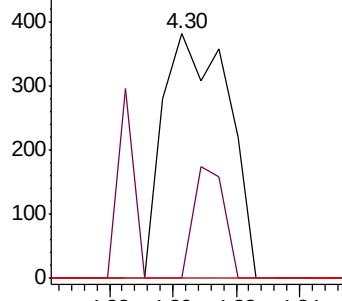
141 0.0 12.2 18.4#



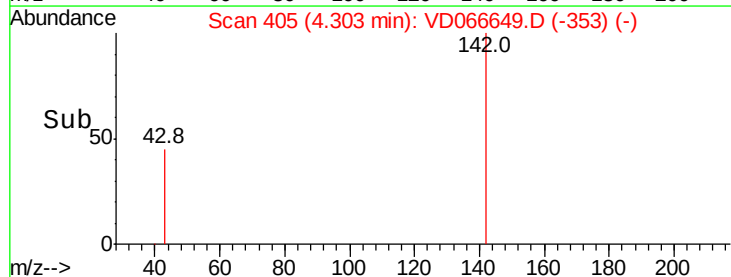
Abundance Ion 141.80 (141.50 to 142.50): V

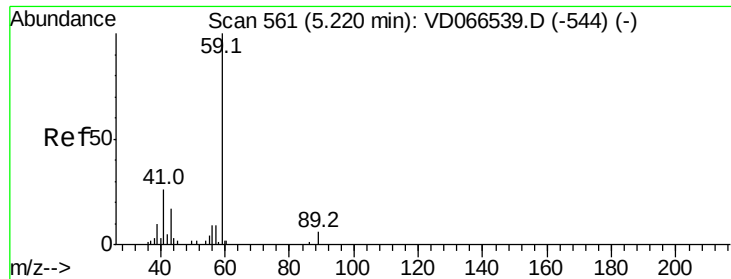
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->



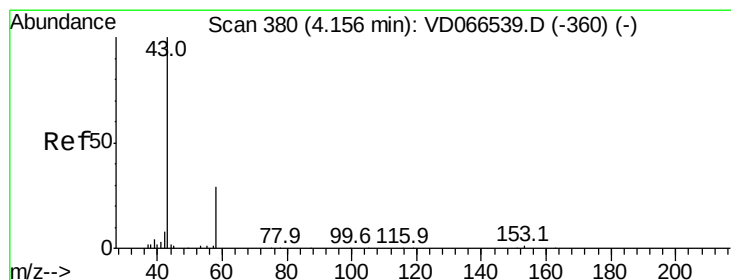
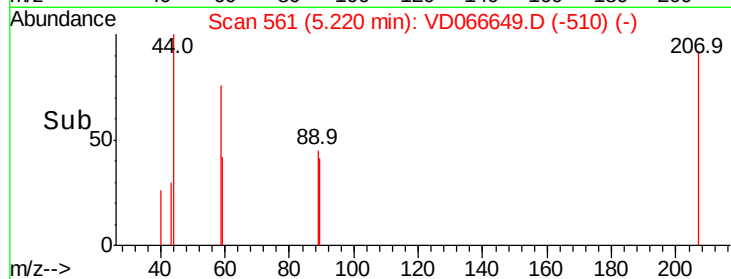
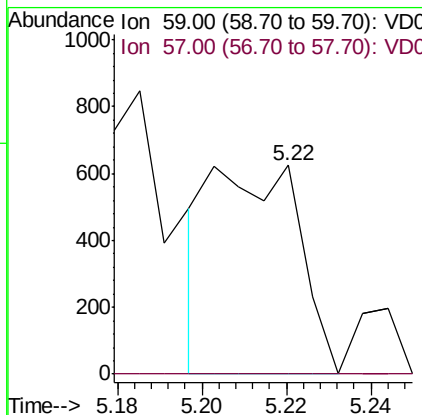
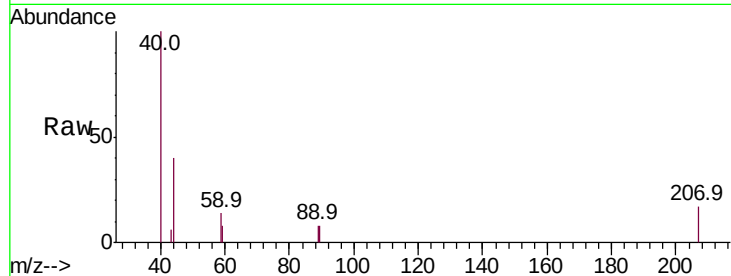


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.22 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: VD066649.D
 Acq: 11 Sep 2020 15:34

Instrument :
 MSVOA_D
 ClientSampled :

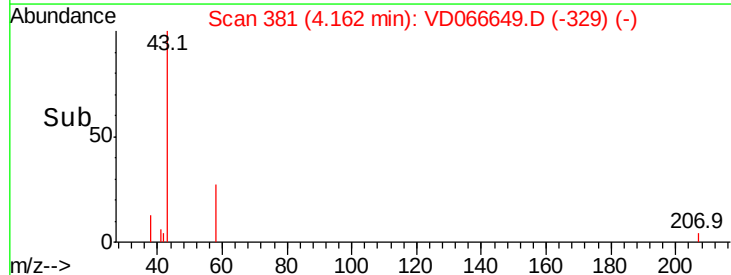
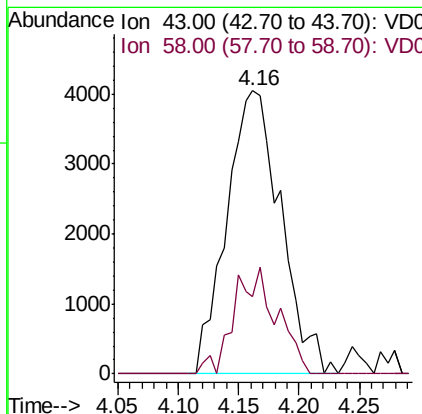
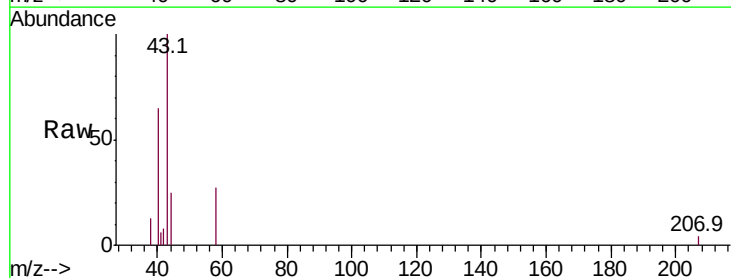
Tot Ion: 59 Resp: 903
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.6 11.4#

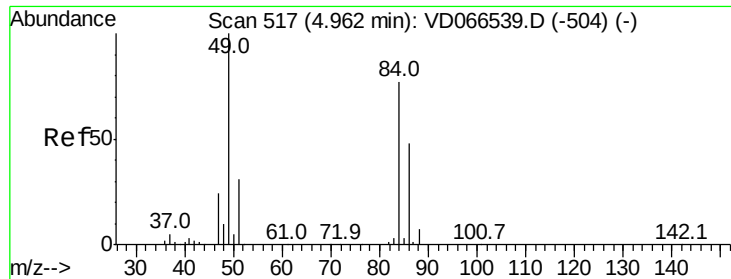


#16

Acetone
 Concen: 14.951 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VD066649.D
 Acq: 11 Sep 2020 15:34

Tgt Ion: 43 Resp: 12630
 Ion Ratio Lower Upper
 43 100
 58 27.1 22.9 34.3

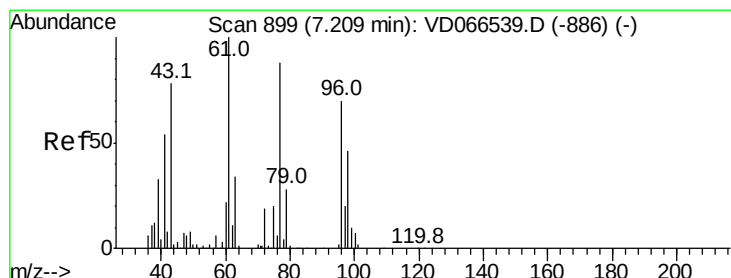
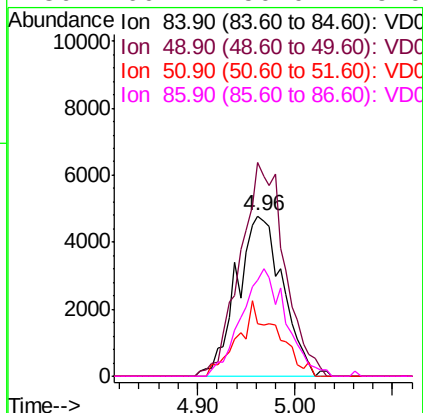
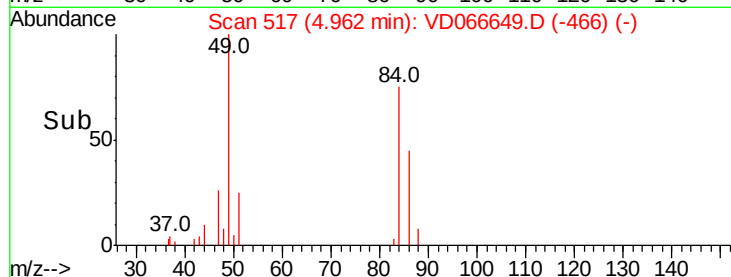
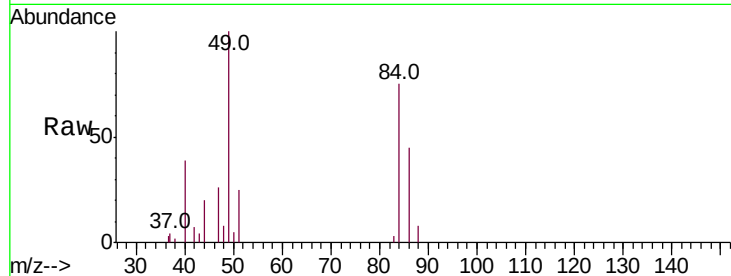




#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD066649.D
Acq: 11 Sep 2020 15:34

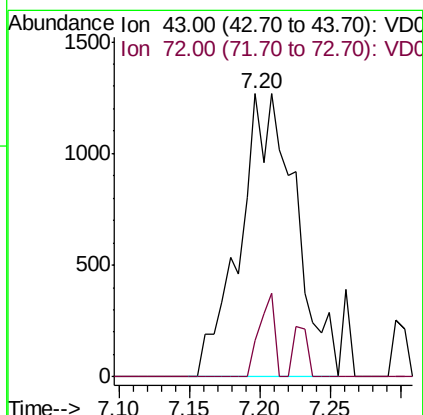
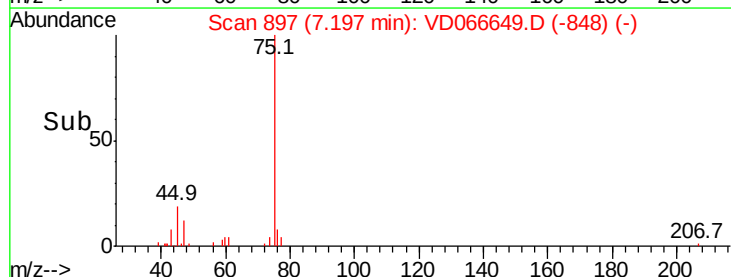
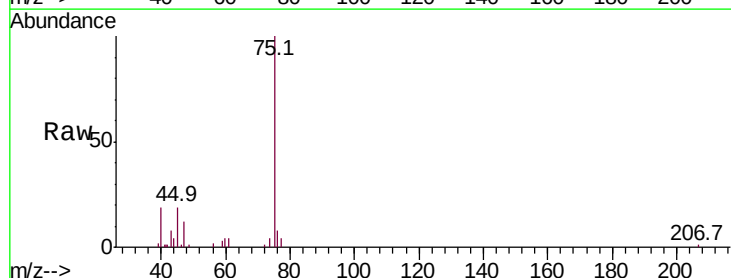
Instrument :
MSVOA_D
ClientSampleId :

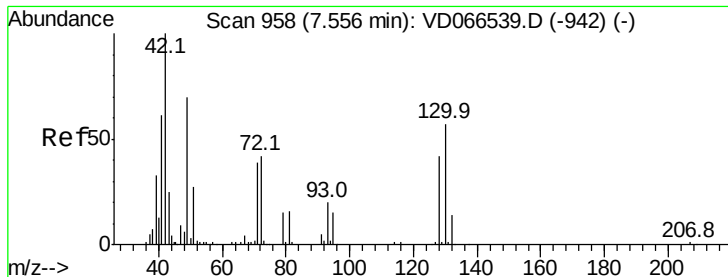
Tot Ion: 84 Resp: 15763
Ion Ratio Lower Upper
84 100
49 133.3 104.3 156.5
51 33.1 32.2 48.4
86 60.1 50.0 75.0



#25
2-Butanone
Concen: 3.091 ug/l
RT: 7.20 min Scan# 897
Delta R.T. -0.01 min
Lab File: VD066649.D
Acq: 11 Sep 2020 15:34

Tgt Ion: 43 Resp: 3505
Ion Ratio Lower Upper
43 100
72 12.8 19.8 29.6#

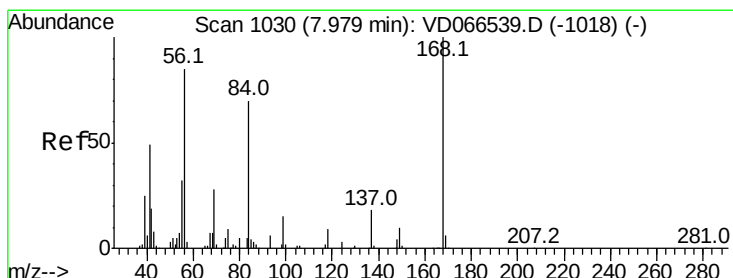
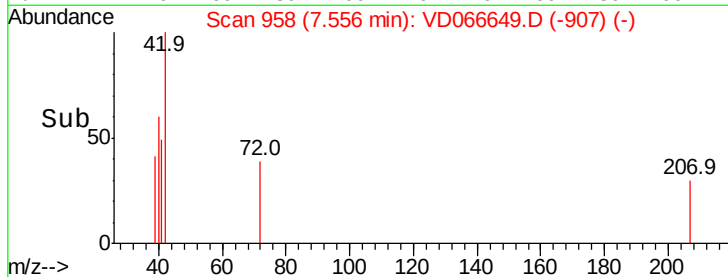
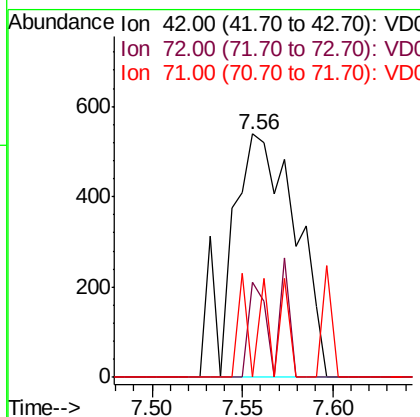
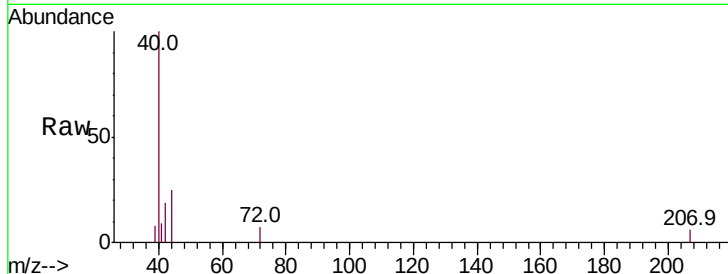




#29
Tetrahydrofuran
Concen: 1.913 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.00 min
Lab File: VD066649.D
Acq: 11 Sep 2020 15:34

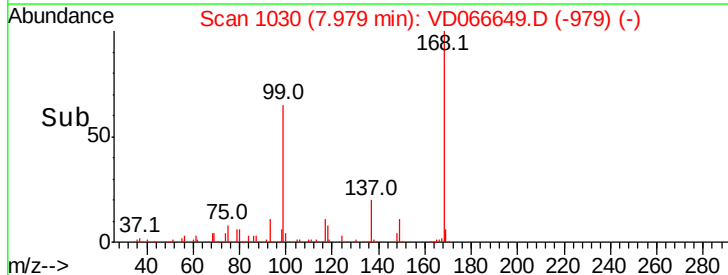
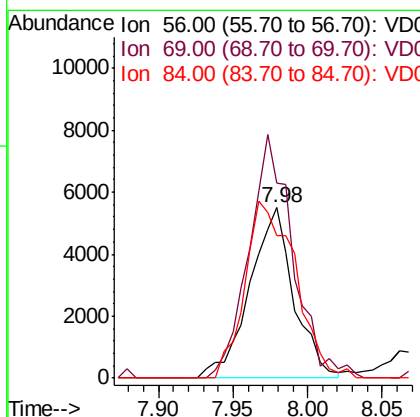
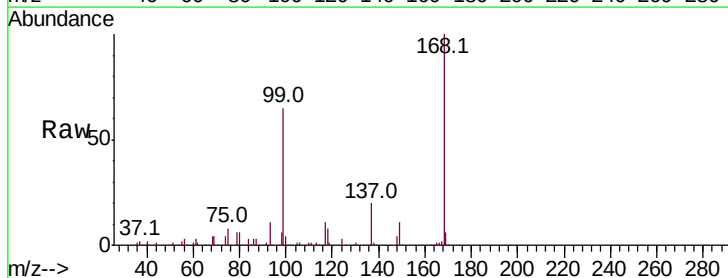
Instrument :
MSVOA_D
ClientSampled :

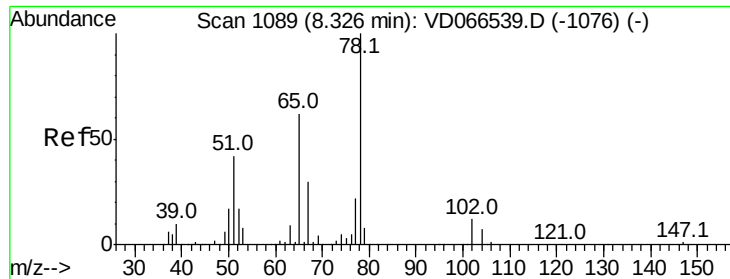
Tot Ion: 42 Resp: 1351
Ion Ratio Lower Upper
42 100
72 9.8 33.4 50.0#
71 6.0 31.9 47.9#



#31
Cyclohexane
Concen: 1.508 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066649.D
Acq: 11 Sep 2020 15:34

Tgt Ion: 56 Resp: 11293
Ion Ratio Lower Upper
56 100
69 114.5 26.3 39.5#
84 83.2 66.1 99.1

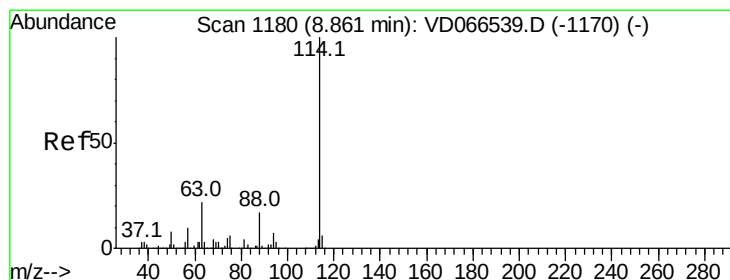
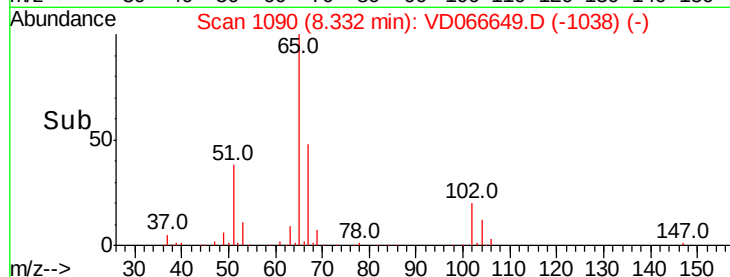
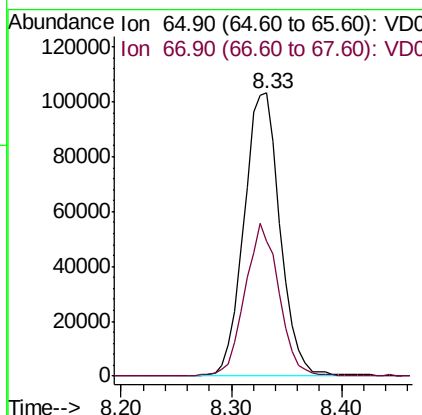
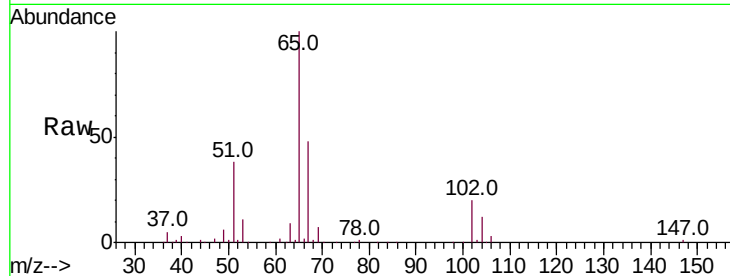




#33
 1,2-Dichloroethane-d4
 Concen: 51.593 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.01 min
 Lab File: VD066649.D
 Acq: 11 Sep 2020 15:34

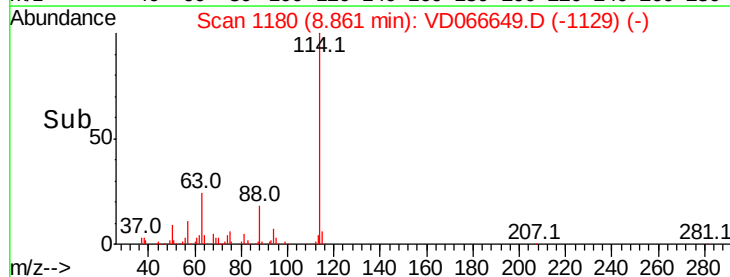
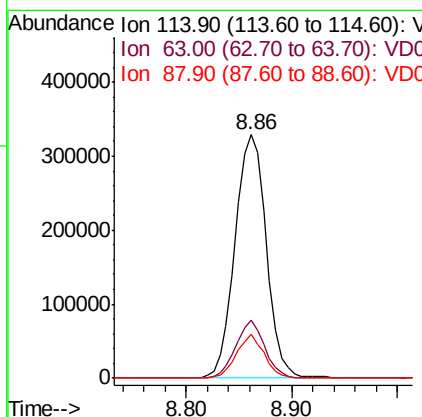
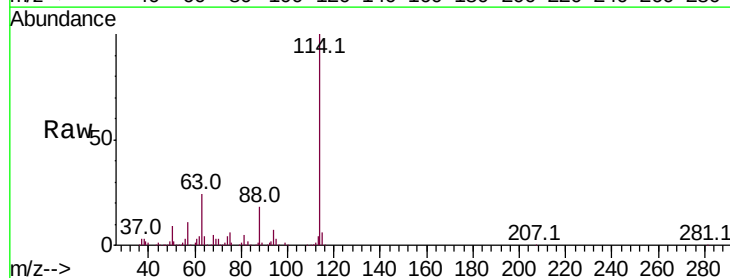
Instrument :
 MSVOA_D
 ClientSampled :

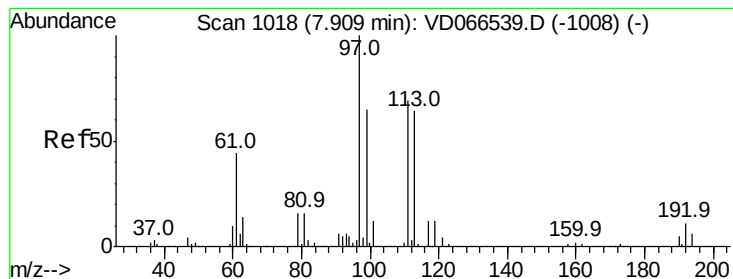
Tot Ion: 65 Resp: 236868
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066649.D
 Acq: 11 Sep 2020 15:34

Tgt Ion: 114 Resp: 674037
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 43.2
 88 17.9 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.476 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD066649.D

Acq: 11 Sep 2020 15:34

Instrument :

MSVOA_D

ClientSampleId :

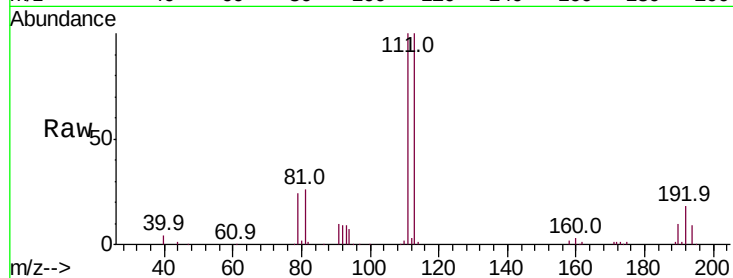
Tot Ion:113 Resp: 229521

Ion Ratio Lower Upper

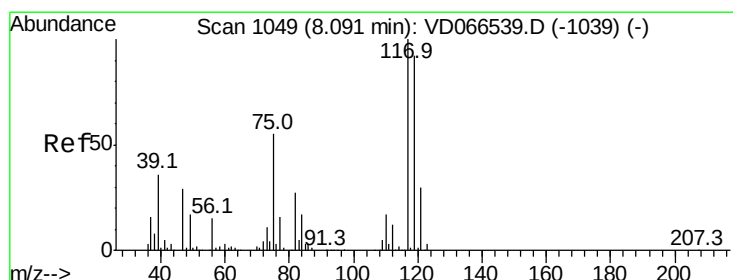
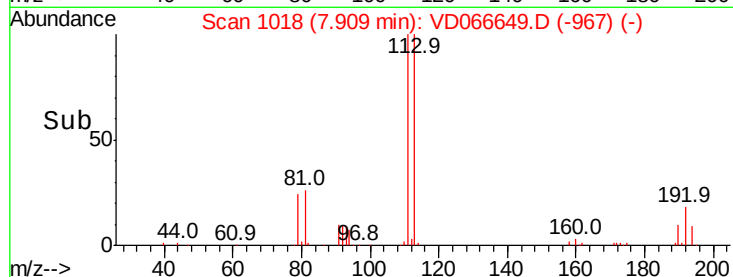
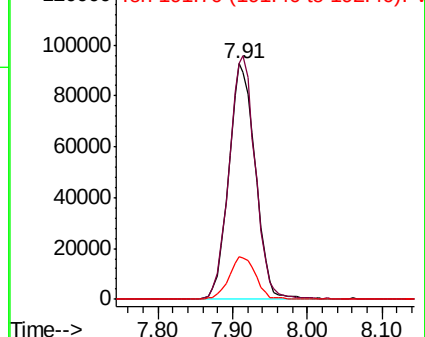
113 100

111 101.6 83.2 124.8

192 18.1 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: 5.924 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066649.D

Acq: 11 Sep 2020 15:34

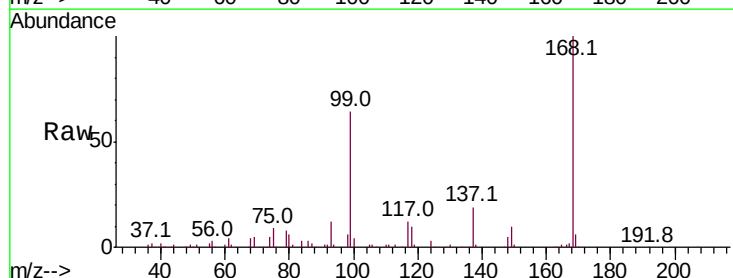
Tgt Ion:117 Resp: 43920

Ion Ratio Lower Upper

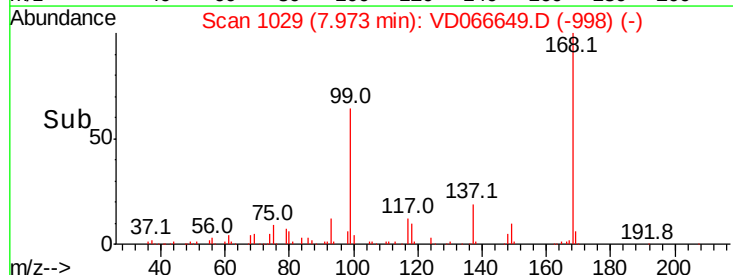
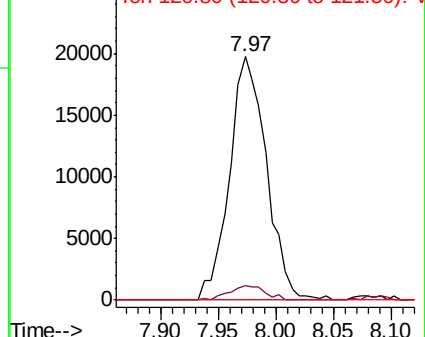
117 100

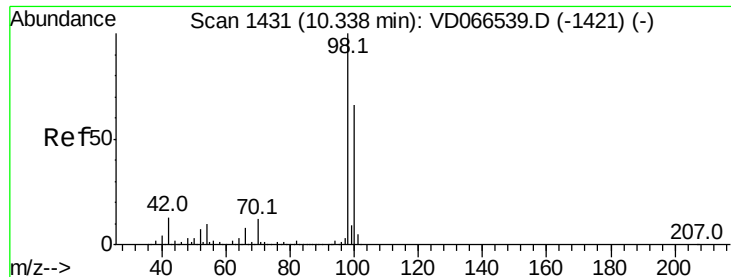
119 6.1 73.9 110.9#

121 0.0 24.1 36.1#



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

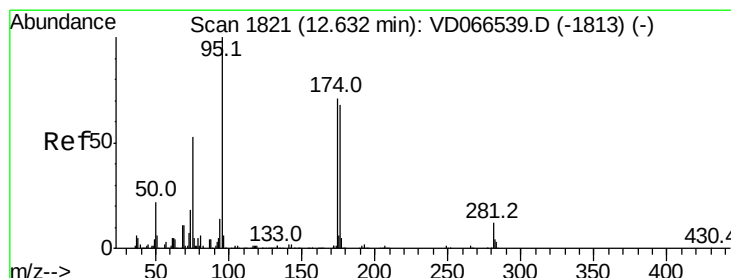
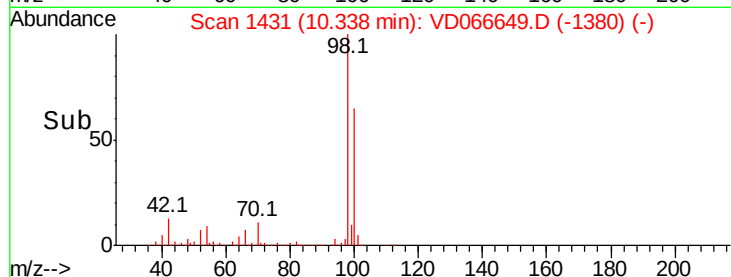
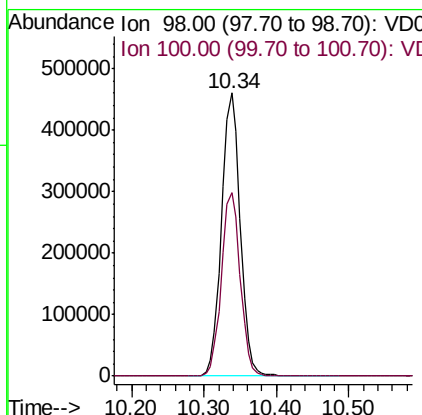
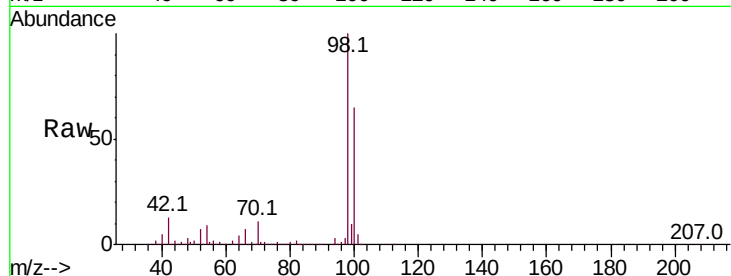




#50
Toluene-d8
Concen: 51.181 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066649.D
Acq: 11 Sep 2020 15:34

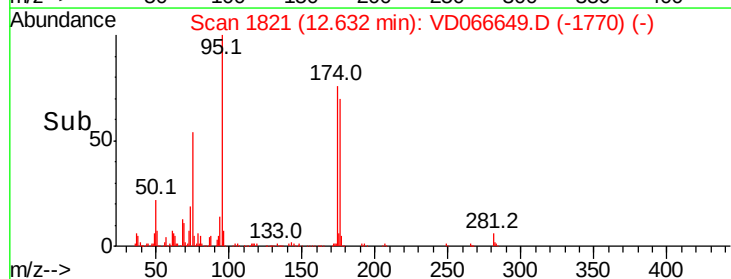
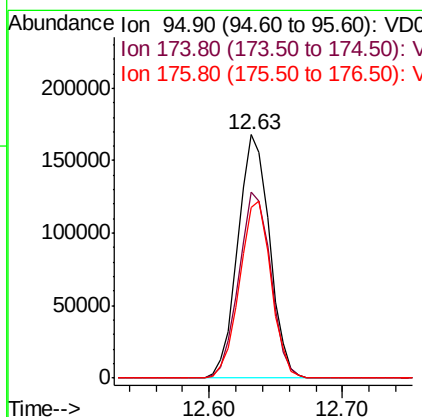
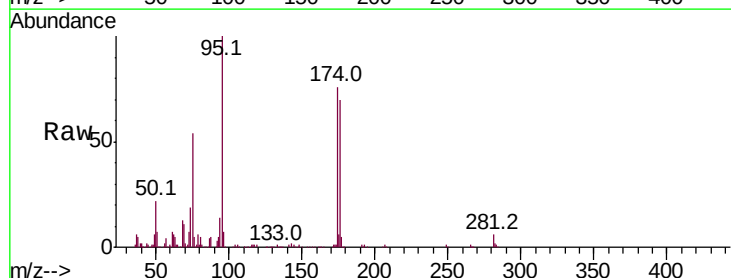
Instrument :
MSVOA_D
ClientSampleId :

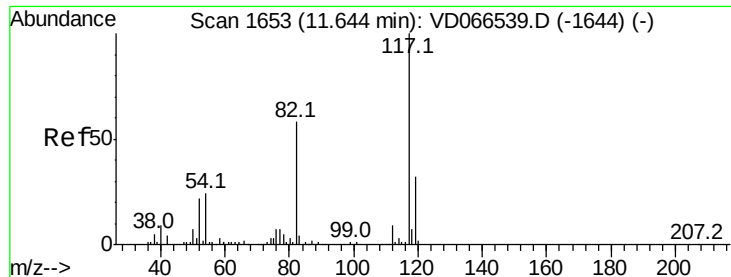
Tot Ion: 98 Resp: 831791
Ion Ratio Lower Upper
98 100
100 65.3 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 51.208 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066649.D
Acq: 11 Sep 2020 15:34

Tgt Ion: 95 Resp: 275961
Ion Ratio Lower Upper
95 100
174 77.0 0.0 155.8
176 72.1 0.0 148.6

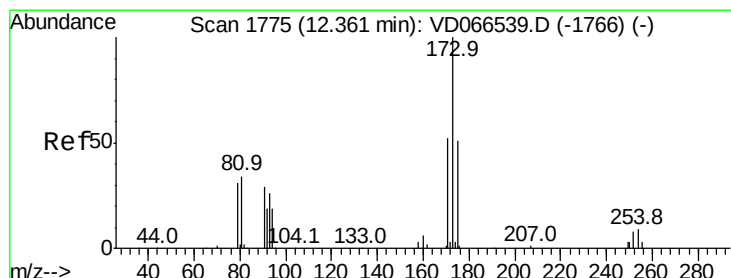
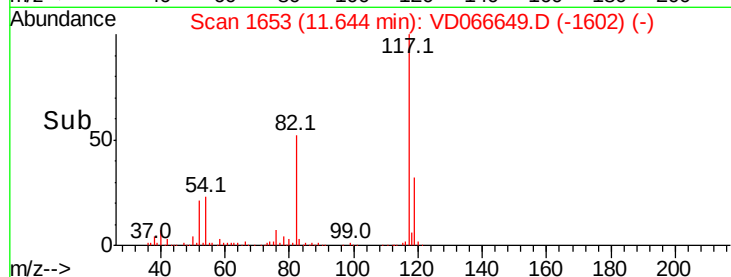
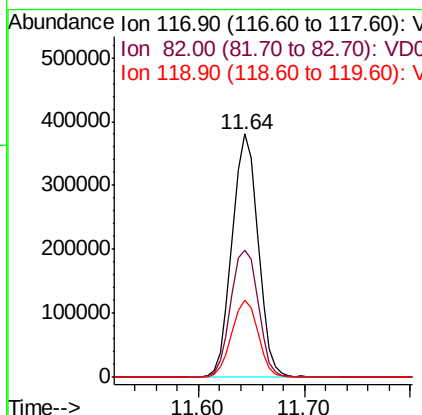
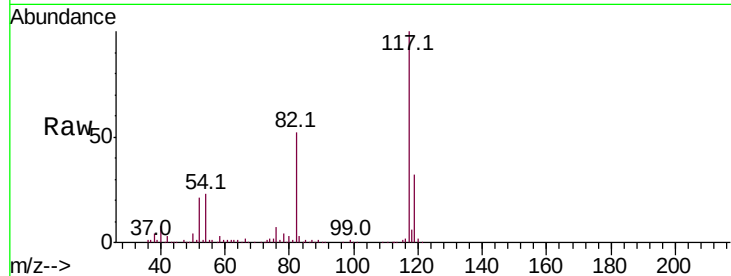




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066649.D
Acq: 11 Sep 2020 15:34

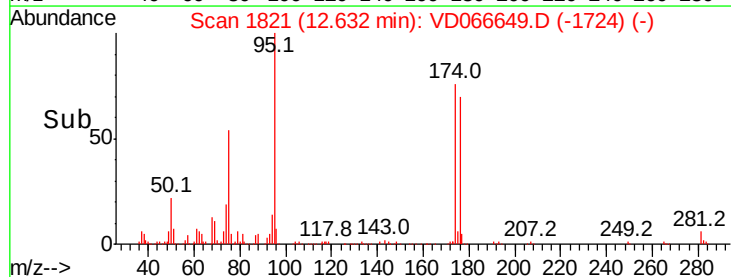
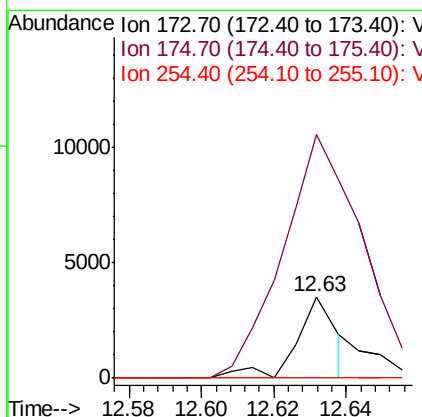
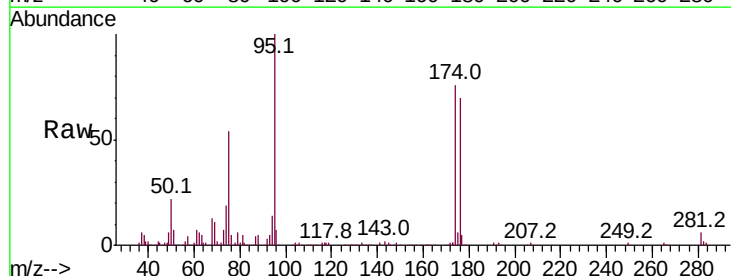
Instrument :
MSVOA_D
ClientSampleId :

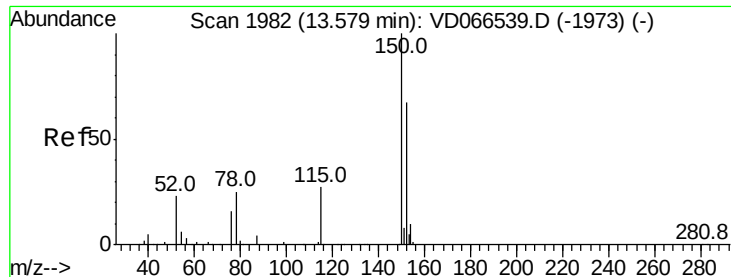
Tot Ion:117 Resp: 647028
Ion Ratio Lower Upper
117 100
82 52.4 46.2 69.2
119 31.6 25.8 38.8



#71
Bromoform
Concen: 1.043 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.27 min
Lab File: VD066649.D
Acq: 11 Sep 2020 15:34

Tgt Ion:173 Resp: 2680
Ion Ratio Lower Upper
173 100
175 440.5 24.2 72.6#
254 0.0 0.0 0.0



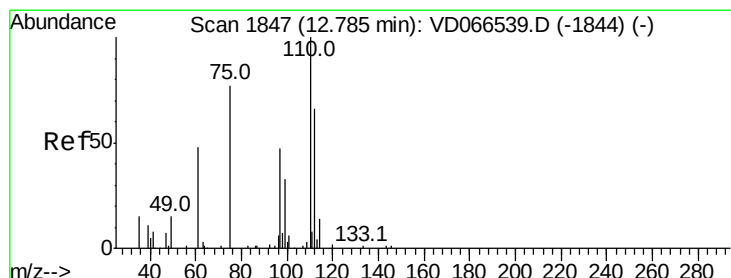
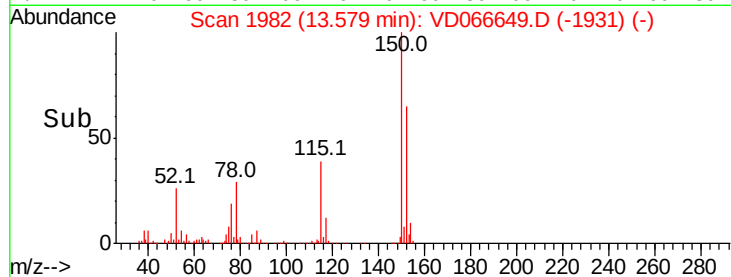
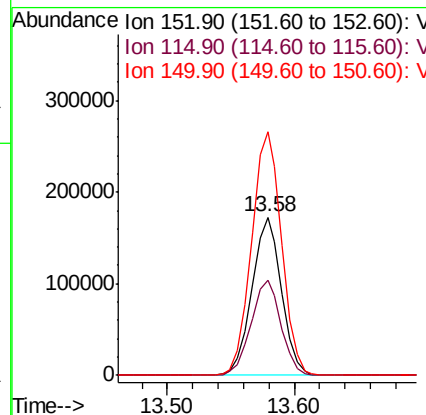
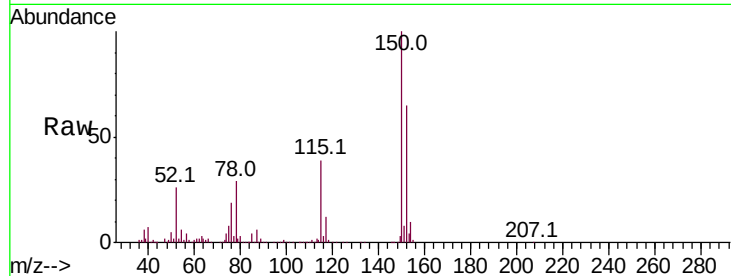


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066649.D
Acq: 11 Sep 2020 15:34

Instrument :
MSVOA_D
ClientSampleId :

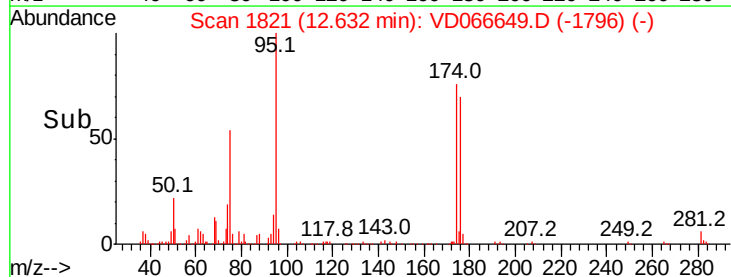
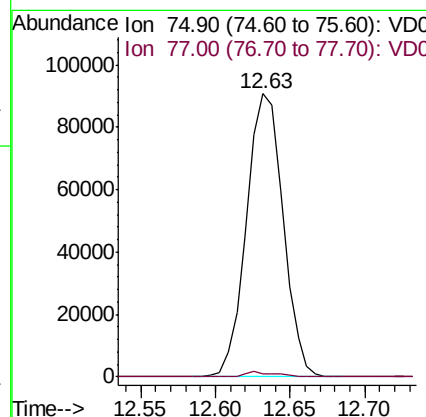
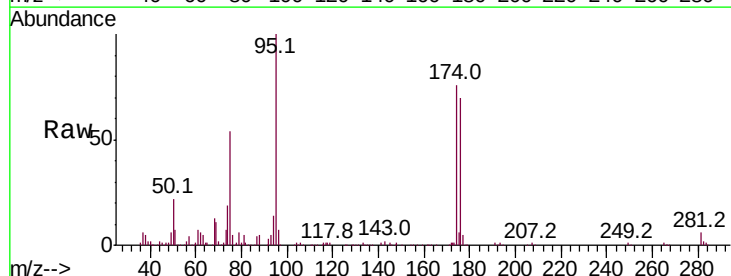
Tot Ion:152 Resp: 277293
Ion Ratio Lower Upper
152 100
115 61.5 30.4 91.2
150 157.1 0.0 345.8

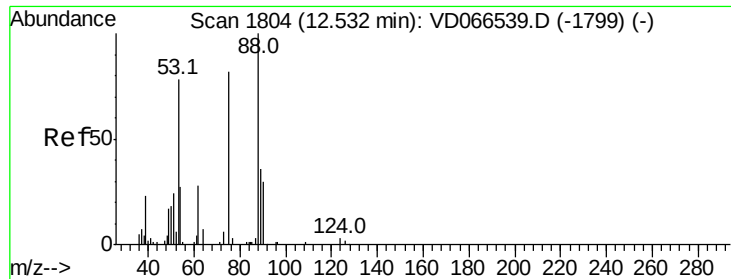


#76

1,2,3-Trichloropropane
Concen: 57.771 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.15 min
Lab File: VD066649.D
Acq: 11 Sep 2020 15:34

Tgt Ion: 75 Resp: 154066
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 134.876 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066649.D
 Acq: 11 Sep 2020 15:34

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 75 Resp: 154066
 Ion Ratio Lower Upper
 75 100
 53 0.1 87.0 130.4#
 89 0.0 37.1 55.7#

