

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091120\
 Data File : VD066650.D
 Acq On : 11 Sep 2020 16:02
 Operator : VA/SY
 Sample : L3981-01
 Misc : 15.68G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 12 00:40:29 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	364239	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	620192	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	533727	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	229538	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	186092	42.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.46%	
35) Dibromofluoromethane	7.91	113	196159	46.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.76%	
50) Toluene-d8	10.34	98	740231	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
62) 4-Bromofluorobenzene	12.63	95	229270	46.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.48%	

Target Compounds

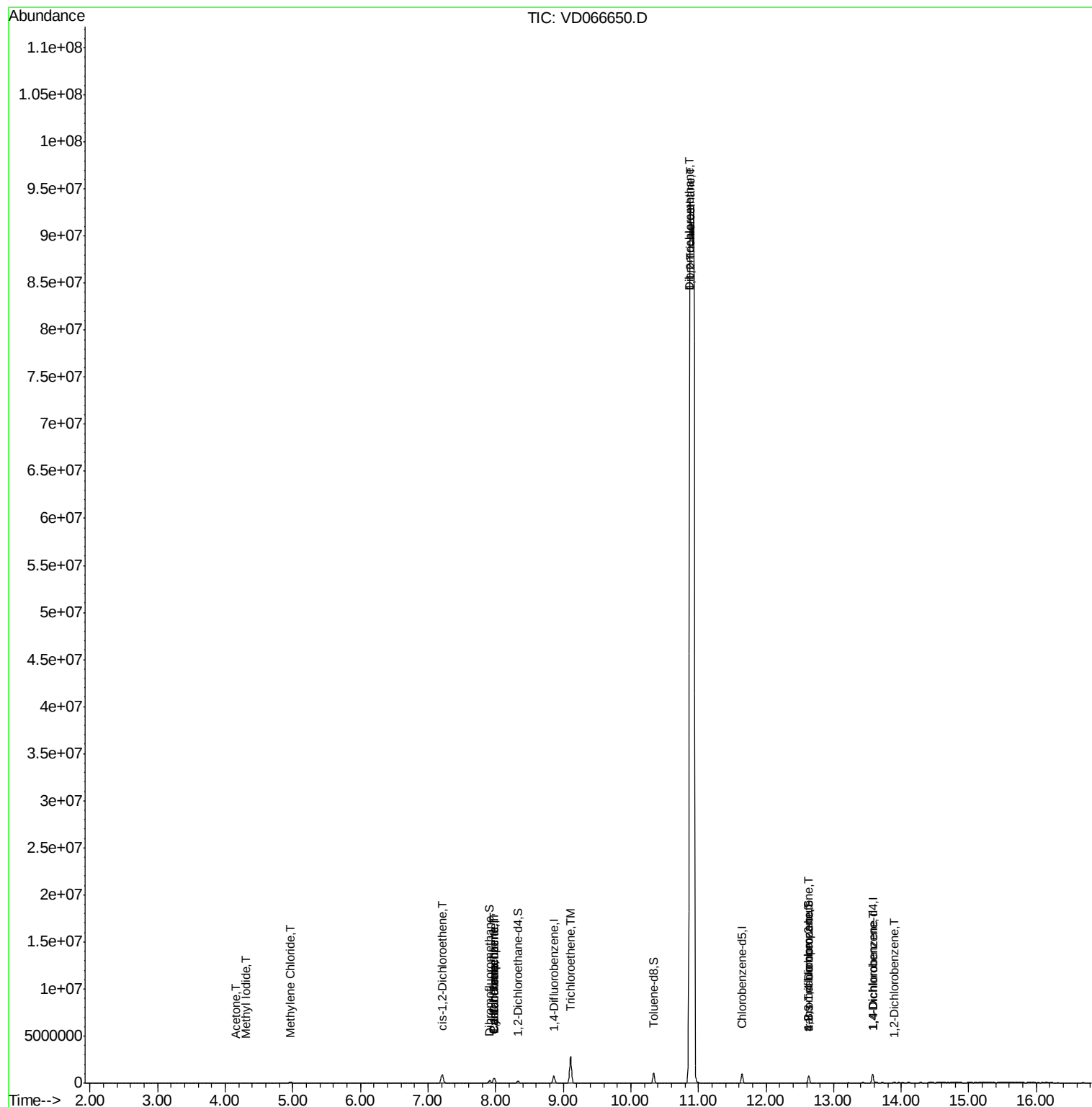
						Qvalue
2) Dichlorodifluoromethane	1.99	85	404	Below Cal	#	46
5) Bromomethane	2.79	94	810	Below Cal	#	66
10) Methyl Iodide	4.30	142	300	4.097	ug/l #	61
11) Tert butyl alcohol	5.21	59	247	Below Cal	#	74
16) Acetone	4.15	43	1515	1.868	ug/l #	46
20) Methylene Chloride	4.96	84	63913	9.041	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	532096	113.544	ug/l	89
31) Cyclohexane	7.97	56	10874	1.512	ug/l #	45
36) 1,1-Dichloropropene	7.97	75	34996	5.422	ug/l #	49
38) Carbon Tetrachloride	7.98	117	42437	6.220	ug/l #	18
44) Trichloroethene	9.11	130	990952	213.713	ug/l	98
55) 1,1,2-Trichloroethane	10.88	97	682906	216.560	ug/l #	27
60) Dibromochloromethane	10.87	129	2877805	690.128	ug/l #	10
76) 1,2,3-Trichloropropane	12.63	75	129663	58.736	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	129663	137.129	ug/l #	7
88) 1,4-Dichlorobenzene	13.59	146	8690	1.151	ug/l #	49
91) 1,2-Dichlorobenzene	13.89	146	13698	2.083	ug/l #	85

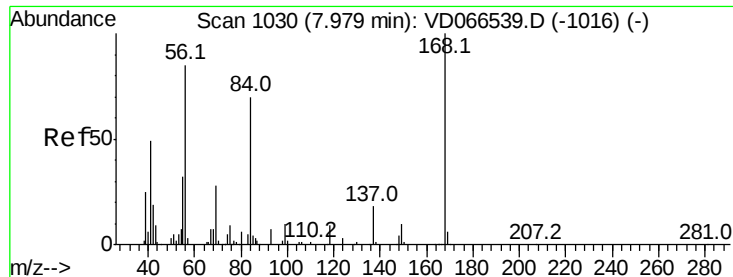
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066650.D

Acq: 11 Sep 2020 16:02

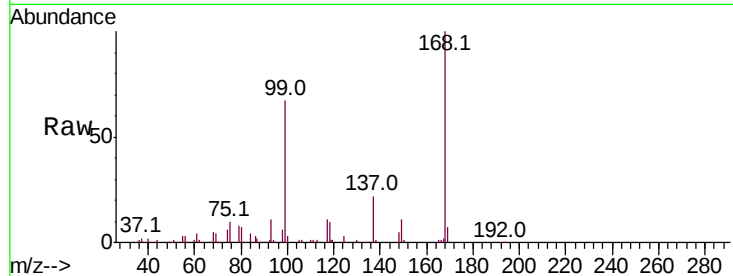
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 364239

Ion Ratio Lower Upper

168 100

99 66.9 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

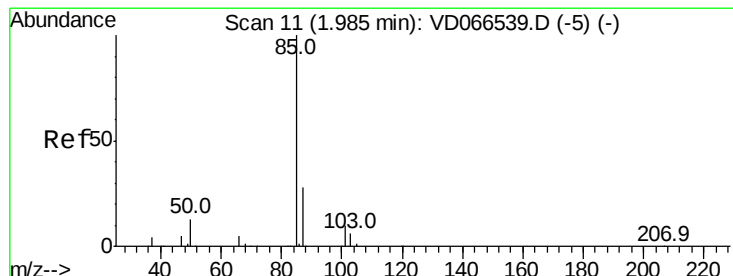
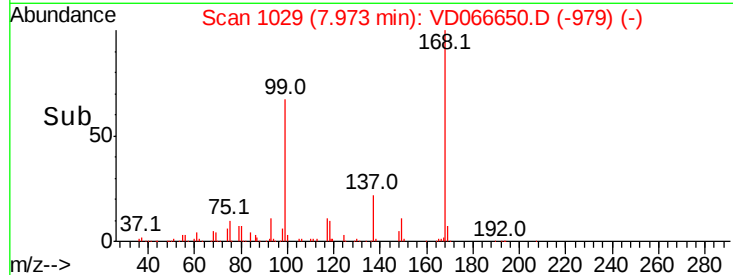
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066650.D

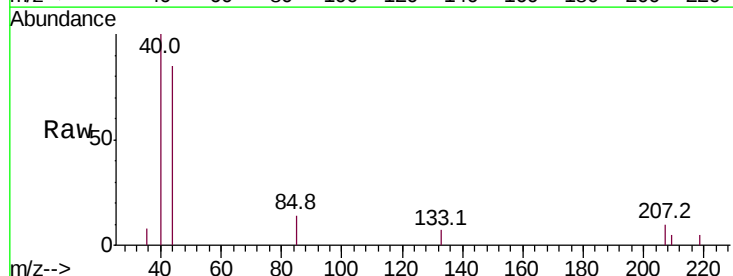
Acq: 11 Sep 2020 16:02

Tgt Ion: 85 Resp: 404

Ion Ratio Lower Upper

85 100

87 0.0 14.2 42.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

500

400

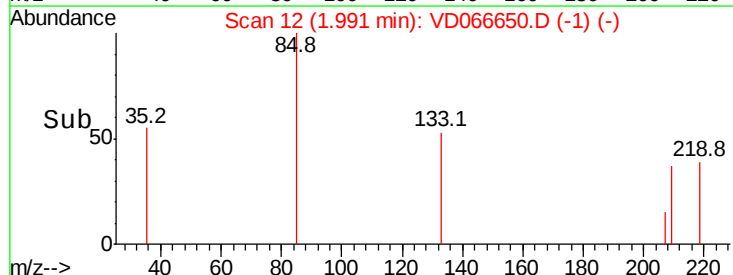
300

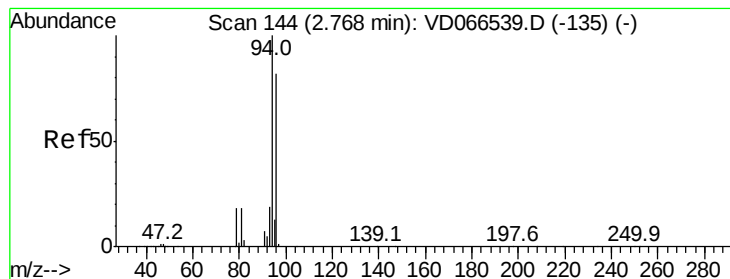
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.02 min

Lab File: VD066650.D

Acq: 11 Sep 2020 16:02

Instrument :

MSVOA_D

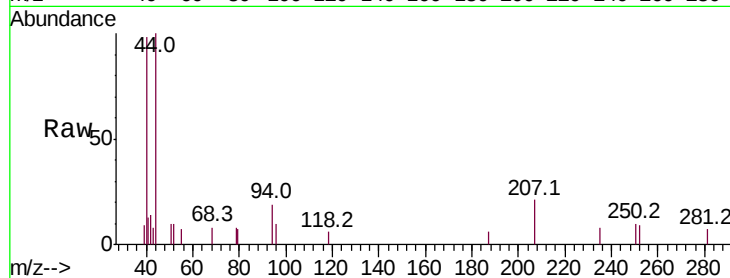
ClientSampleId :

Tot Ion: 94 Resp: 810

Ion Ratio Lower Upper

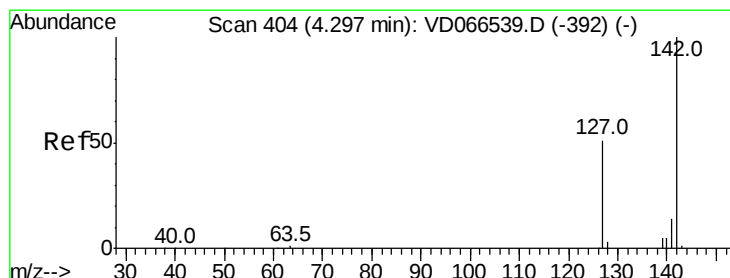
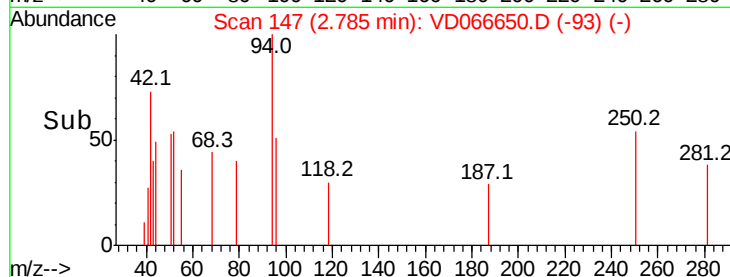
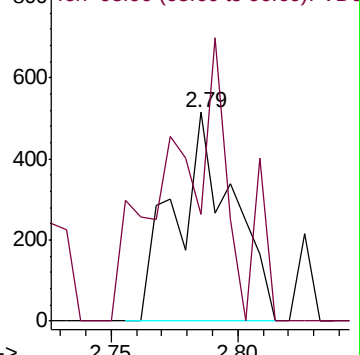
94 100

96 51.3 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: 4.097 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD066650.D

Acq: 11 Sep 2020 16:02

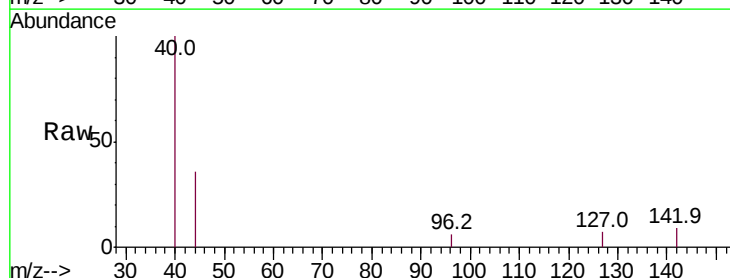
Tgt Ion: 142 Resp: 300

Ion Ratio Lower Upper

142 100

127 23.3 40.6 61.0#

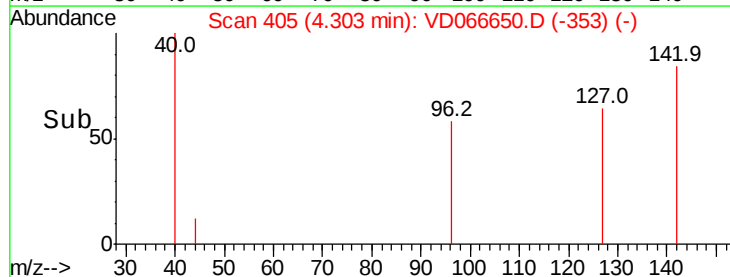
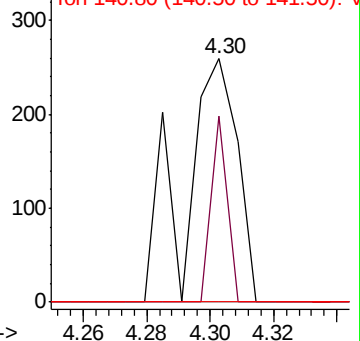
141 0.0 12.2 18.4#

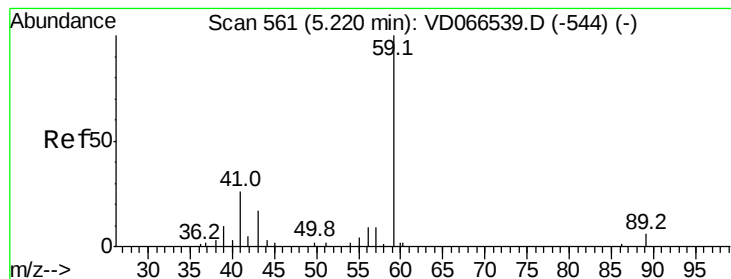


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



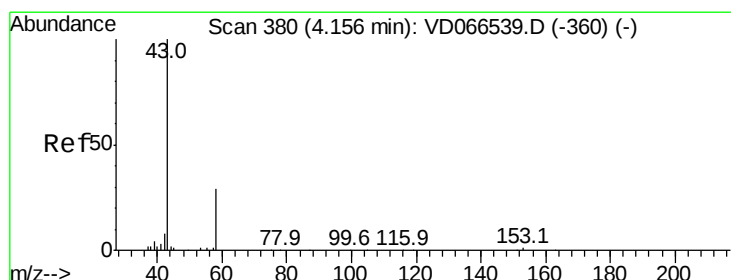
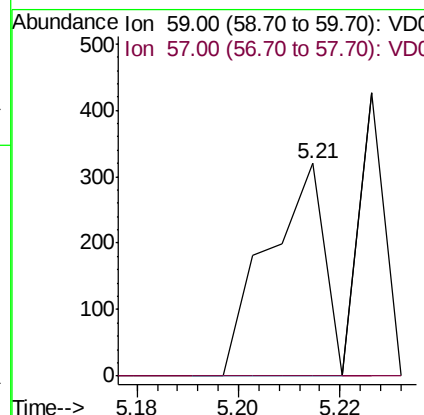
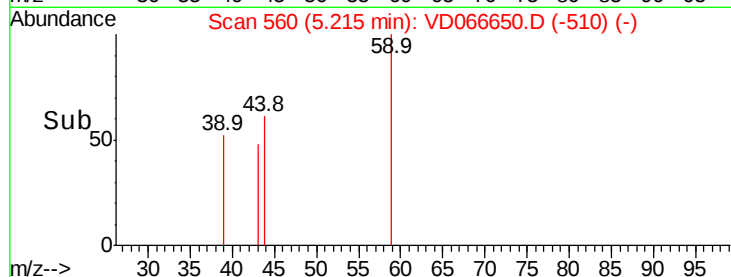
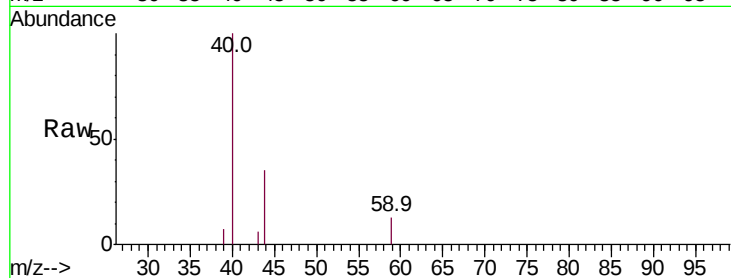


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD066650.D
 Acq: 11 Sep 2020 16:02

Instrument :
 MSVOA_D
 ClientSampled :

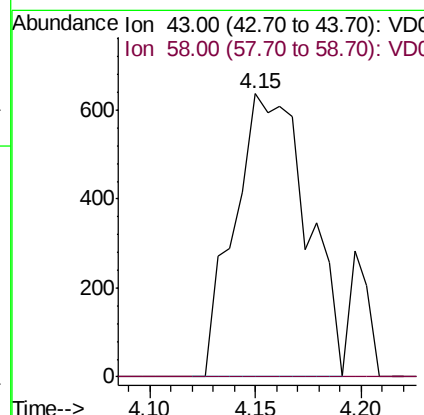
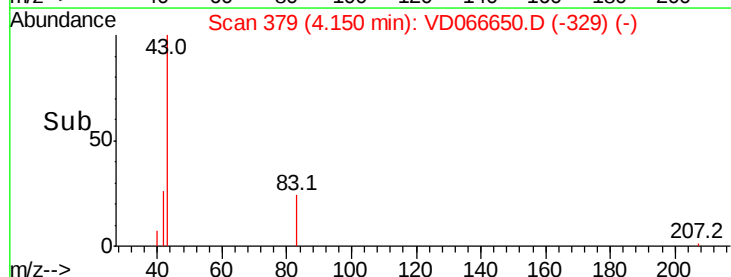
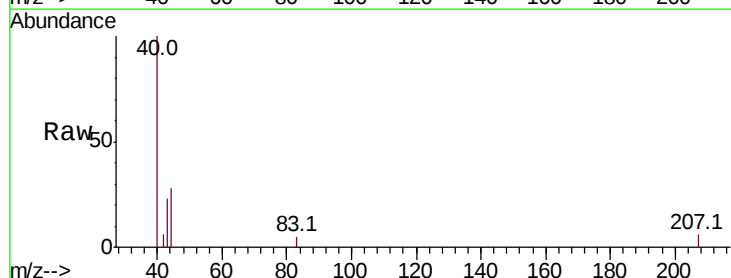
Tot Ion: 59 Resp: 247
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.6 11.4#

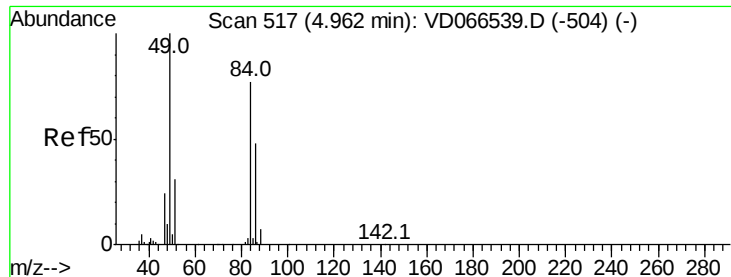


#16

Acetone
 Concen: 1.868 ug/l
 RT: 4.15 min Scan# 379
 Delta R.T. -0.01 min
 Lab File: VD066650.D
 Acq: 11 Sep 2020 16:02

Tgt Ion: 43 Resp: 1515
 Ion Ratio Lower Upper
 43 100
 58 0.0 22.9 34.3#

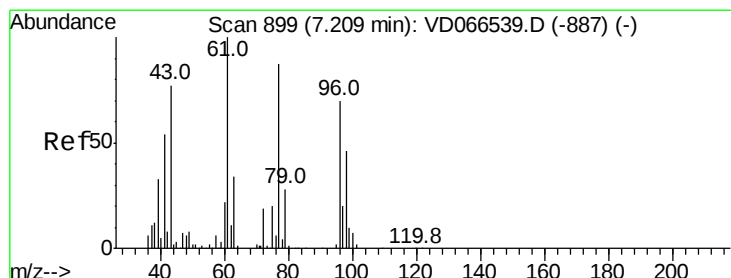
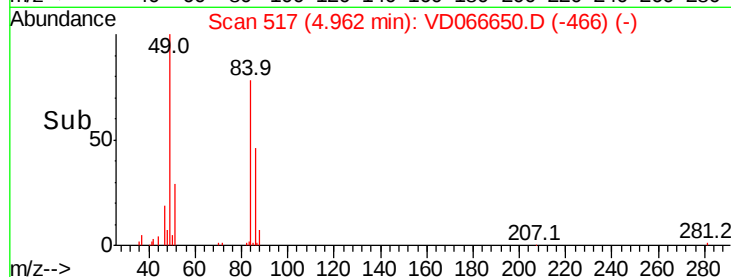
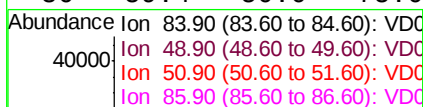
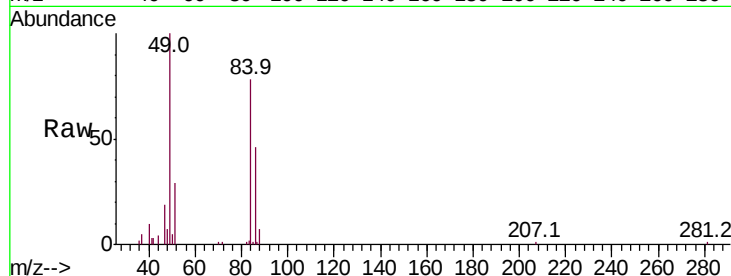




#20
Methvlene Chloride
Concen: 9.041 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD066650.D
Acq: 11 Sep 2020 16:02

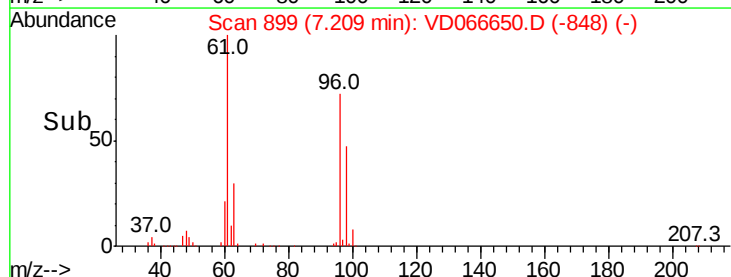
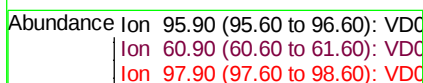
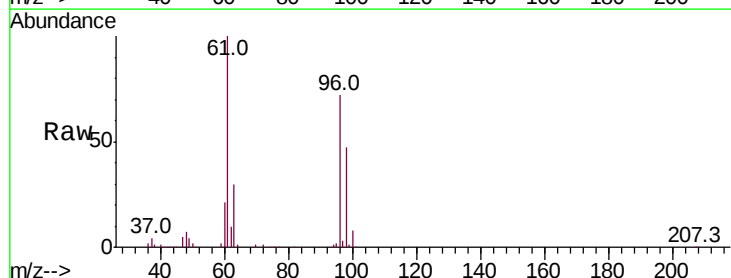
Instrument :
MSVOA_D
ClientSampleId :

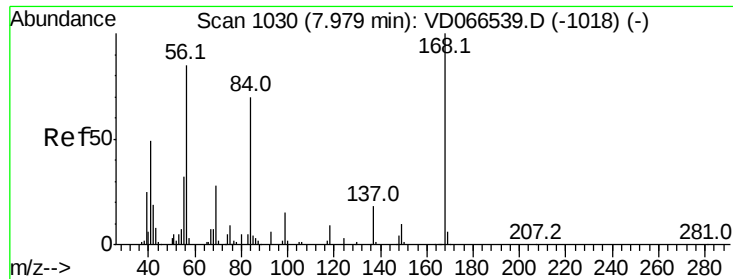
Tot Ion:	84	Resp:	63913
Ion	Ratio	Lower	Upper
84	100		
49	128.1	104.3	156.5
51	37.2	32.2	48.4
86	59.4	50.0	75.0



#27
cis-1,2-Dichloroethene
Concen: 113.544 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD066650.D
Acq: 11 Sep 2020 16:02

Tgt Ion:	96	Resp:	532096
Ion	Ratio	Lower	Upper
96	100		
61	131.9	0.0	301.0
98	63.6	0.0	129.8

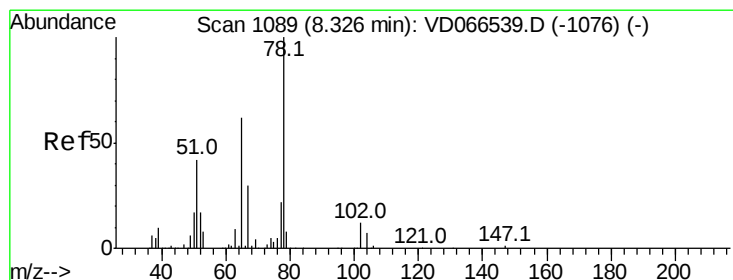
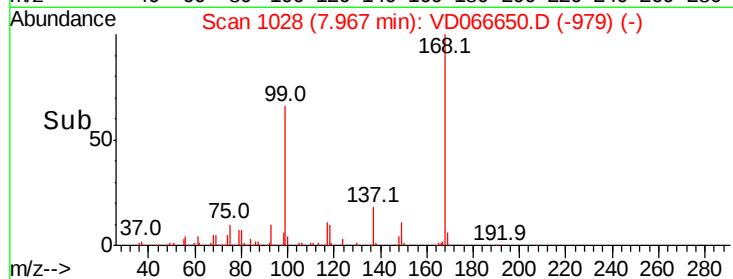
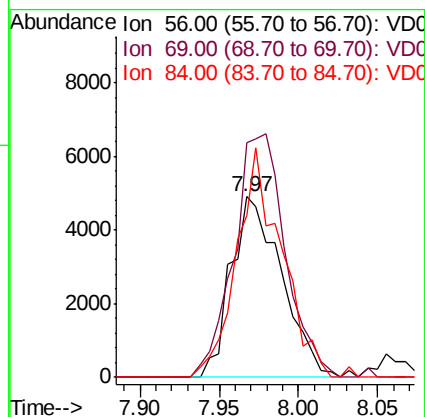
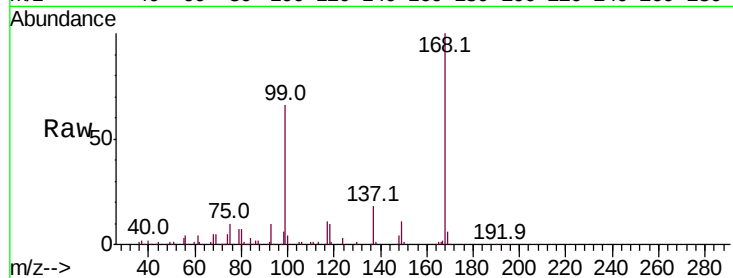




#31
Cyclohexane
Concen: 1.512 ug/l
RT: 7.97 min Scan# 1028
Delta R.T. -0.01 min
Lab File: VD066650.D
Acq: 11 Sep 2020 16:02

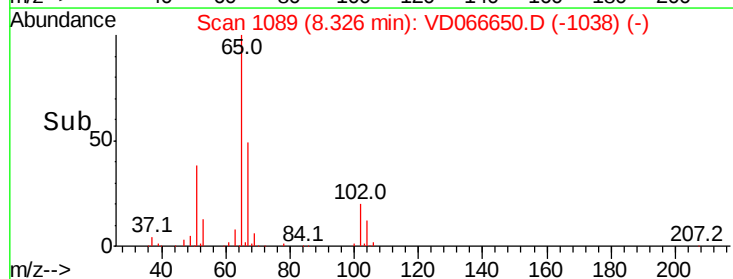
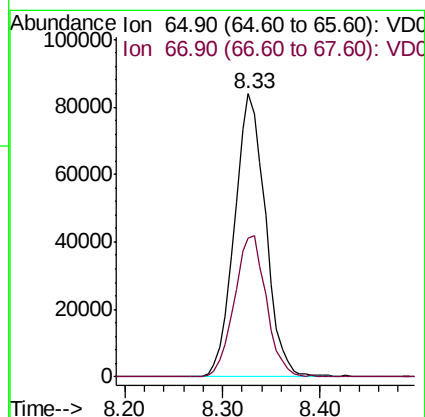
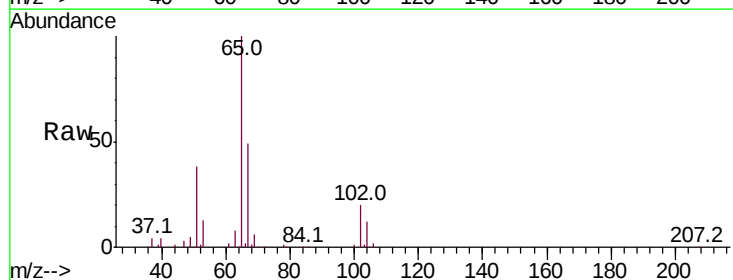
Instrument :
MSVOA_D
ClientSampled :

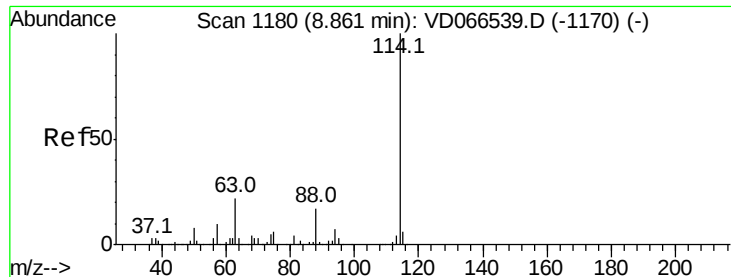
Tot Ion: 56 Resp: 10874
Ion Ratio Lower Upper
56 100
69 130.1 26.3 39.5#
84 89.9 66.1 99.1



#33
1,2-Dichloroethane-d4
Concen: 42.227 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VD066650.D
Acq: 11 Sep 2020 16:02

Tgt Ion: 65 Resp: 186092
Ion Ratio Lower Upper
65 100
67 51.3 0.0 102.8

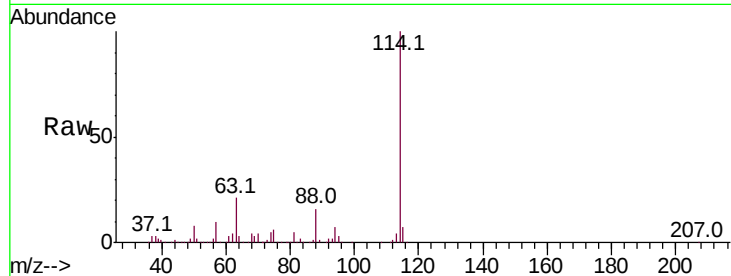




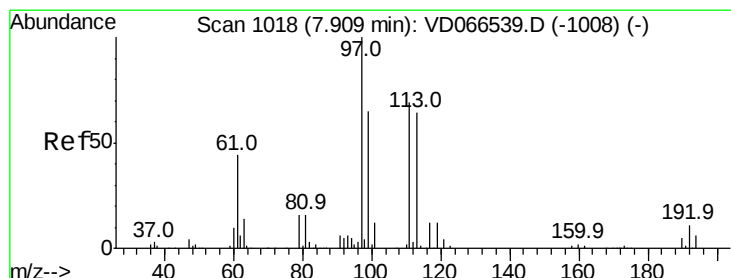
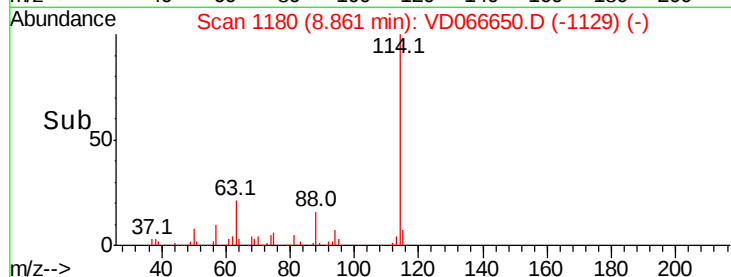
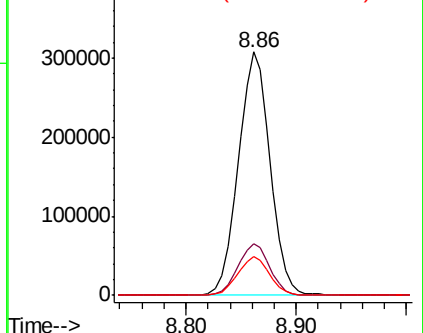
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.86 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD066650.D
Acq: 11 Sep 2020 16:02

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:114 Resp: 620192
Ion Ratio Lower Upper
114 100
63 21.1 0.0 43.2
88 16.1 0.0 33.2

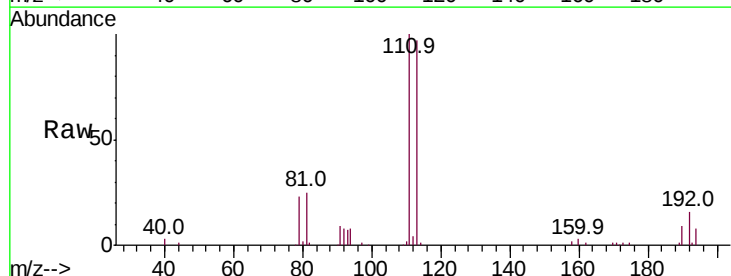


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

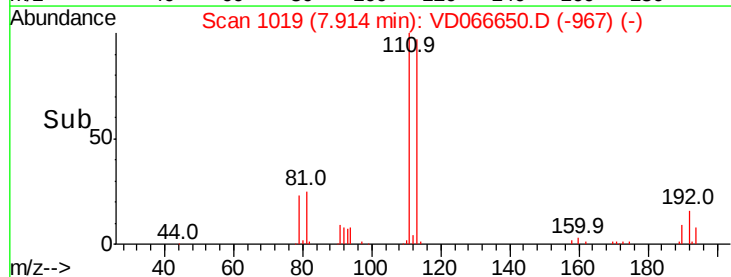
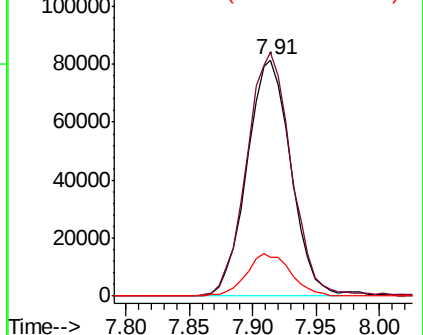


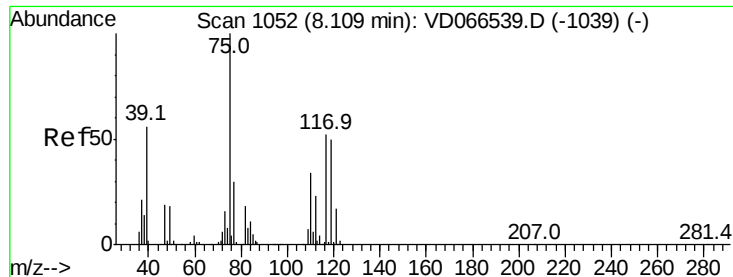
#35
Dibromofluoromethane
Concen: 46.885 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VD066650.D
Acq: 11 Sep 2020 16:02

Tgt Ion:113 Resp: 196159
Ion Ratio Lower Upper
113 100
111 105.8 83.2 124.8
192 18.2 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

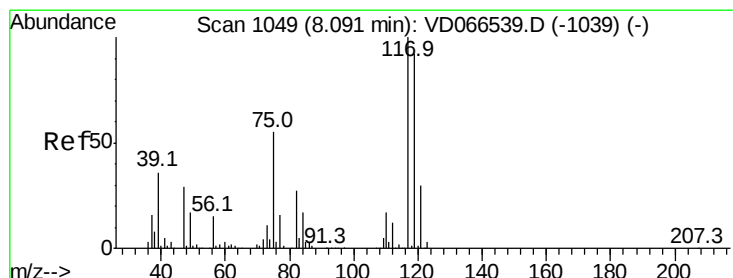
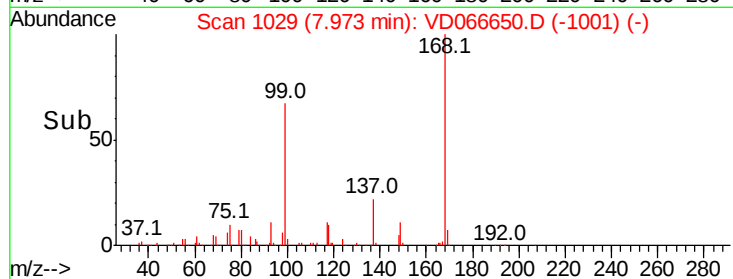
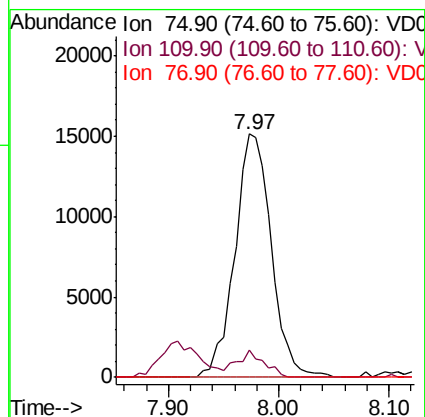
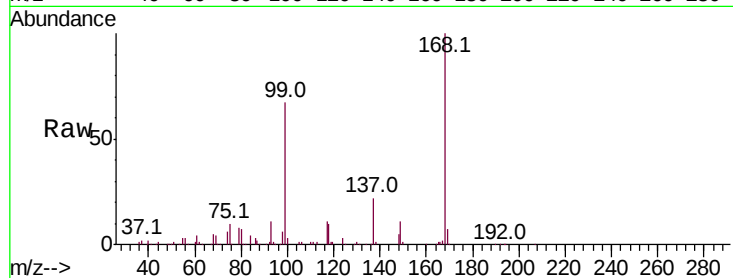




#36
 1,1-Dichloropropene
 Concen: 5.422 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066650.D
 Acq: 11 Sep 2020 16:02

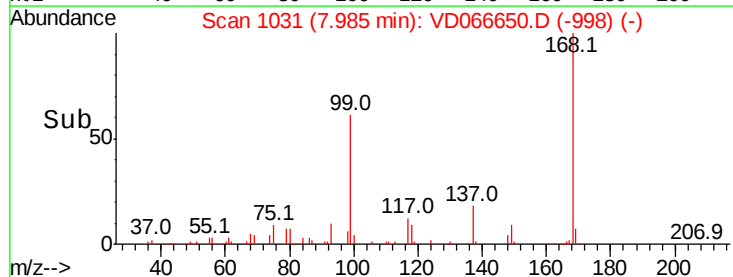
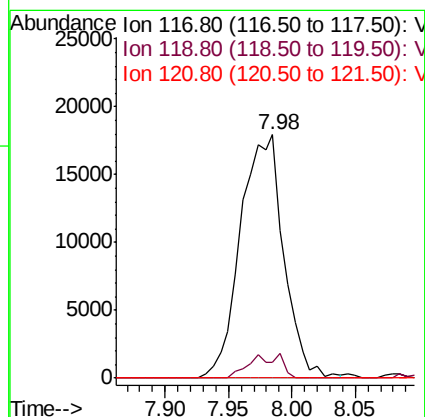
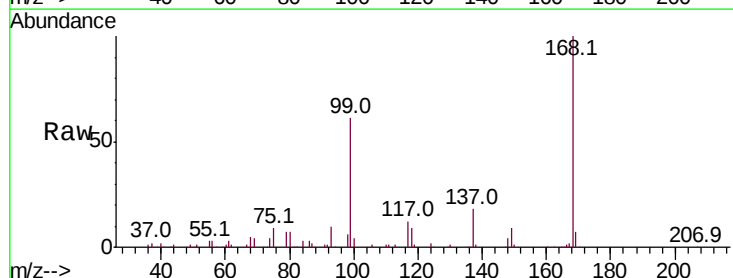
Instrument :
 MSVOA_D
 ClientSampleId :

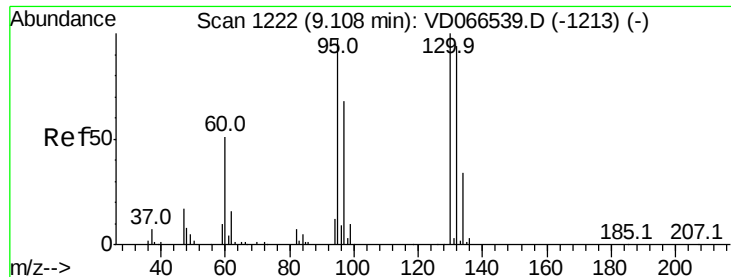
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.2	17.3	52.0#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.220 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD066650.D
 Acq: 11 Sep 2020 16:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.2	73.9	110.9#
121	0.0	24.1	36.1#

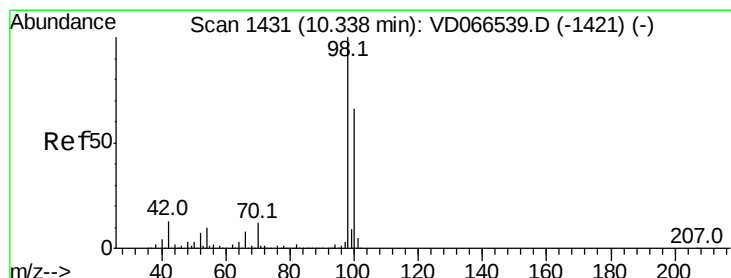
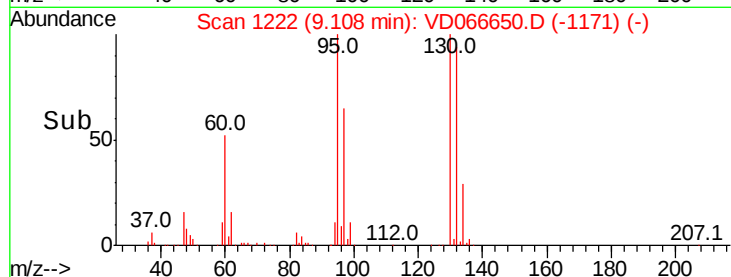
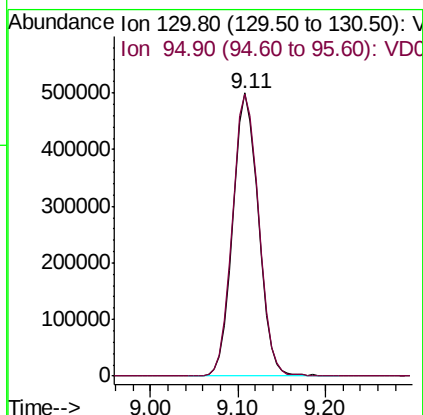
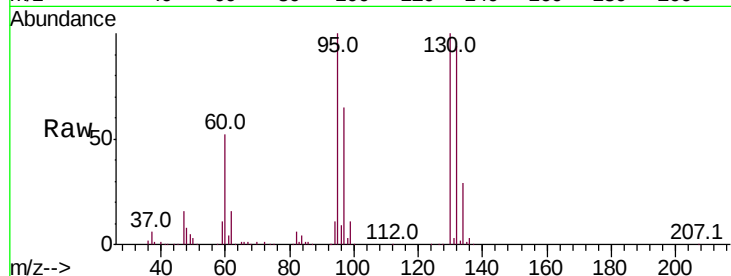




#44
 Trichloroethene
 Concen: 213.713 ug/l
 RT: 9.11 min Scan# 1222
 Delta R.T. -0.00 min
 Lab File: VD066650.D
 Acq: 11 Sep 2020 16:02

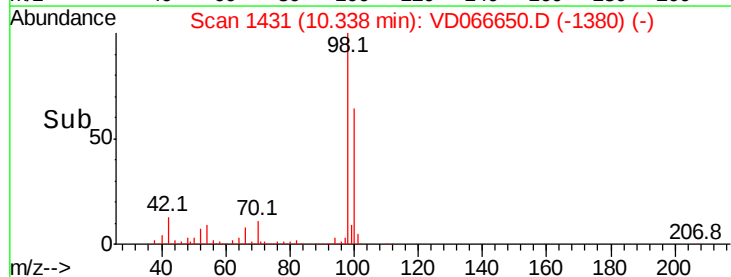
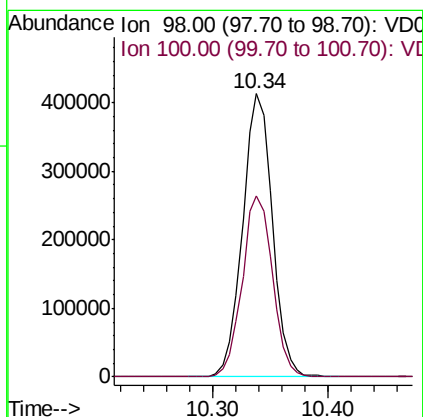
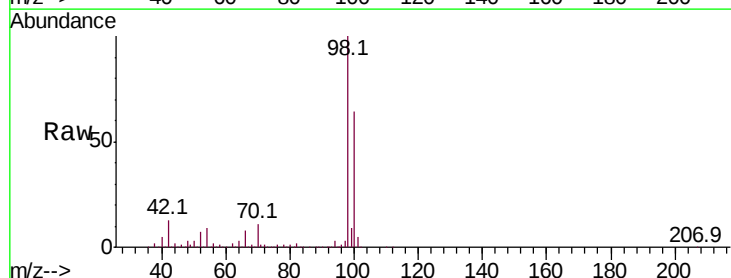
Instrument :
 MSVOA_D
 ClientSampleId :

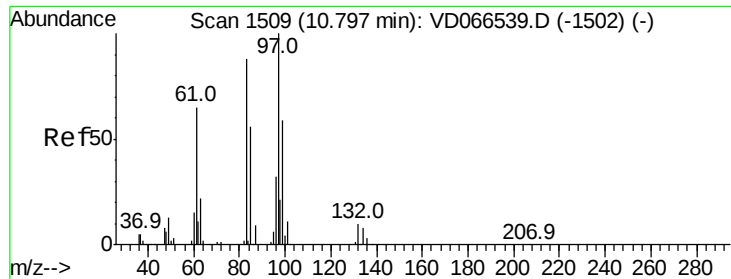
Tot Ion:130 Resp: 990952
 Ion Ratio Lower Upper
 130 100
 95 99.6 0.0 194.4



#50
 Toluene-d8
 Concen: 49.501 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. -0.00 min
 Lab File: VD066650.D
 Acq: 11 Sep 2020 16:02

Tgt Ion: 98 Resp: 740231
 Ion Ratio Lower Upper
 98 100
 100 65.5 52.9 79.3

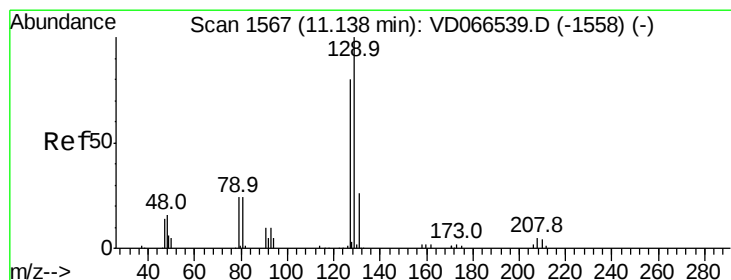
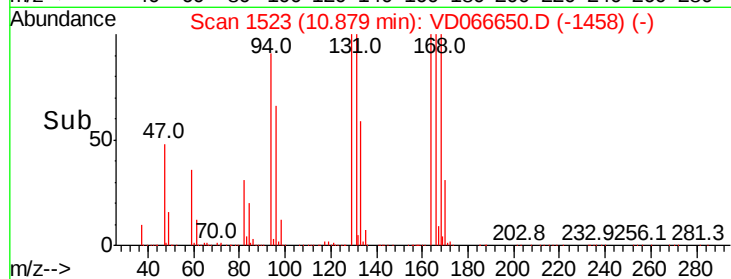
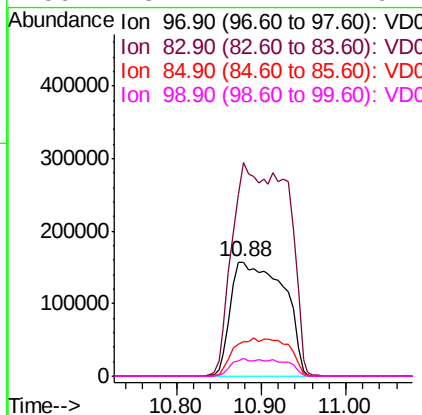
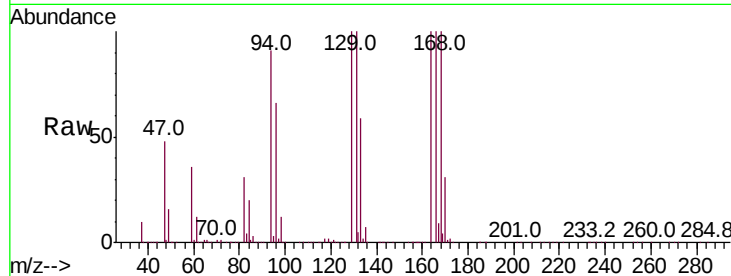




#55
 1,1,2-Trichloroethane
 Concen: 216.560 ug/l
 RT: 10.88 min Scan# 1523
 Delta R.T. 0.08 min
 Lab File: VD066650.D
 Acq: 11 Sep 2020 16:02

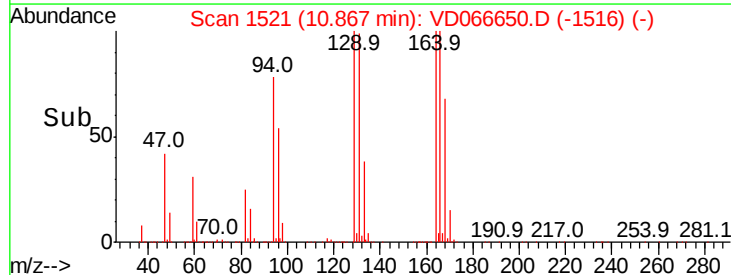
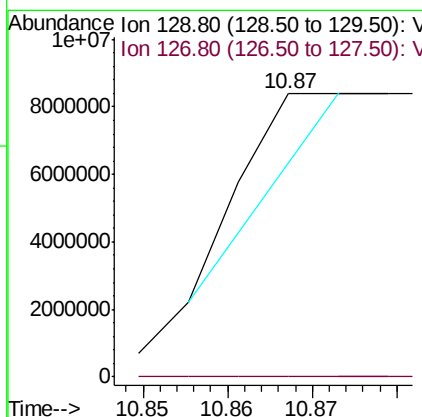
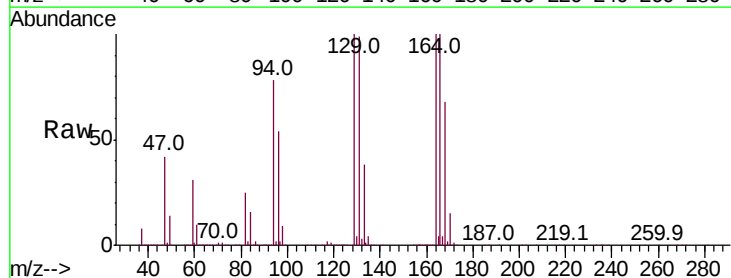
Instrument :
 MSVOA_D
 ClientSampled :

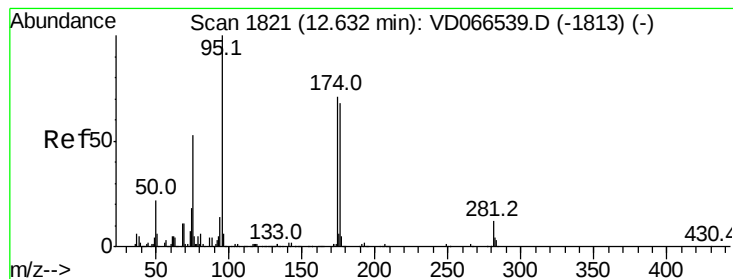
Tot Ion: 97 Resp: 682906
 Ion Ratio Lower Upper
 97 100
 83 186.7 70.1 105.1#
 85 30.0 44.5 66.7#
 99 15.2 47.1 70.7#



#60
 Dibromochloromethane
 Concen: 690.128 ug/l
 RT: 10.87 min Scan# 1521
 Delta R.T. -0.27 min
 Lab File: VD066650.D
 Acq: 11 Sep 2020 16:02

Tgt Ion: 129 Resp: 2877805
 Ion Ratio Lower Upper
 129 100
 127 0.0 39.5 118.3#





#62

4-Bromofluorobenzene

Concen: 46.238 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066650.D

Acq: 11 Sep 2020 16:02

Instrument :

MSVOA_D

ClientSampleId :

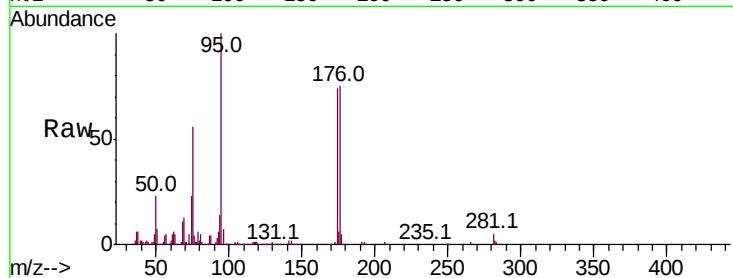
Tot Ion: 95 Resp: 229270

Ion Ratio Lower Upper

95 100

174 77.8 0.0 155.8

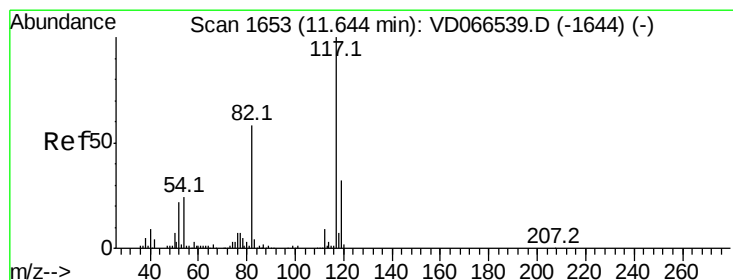
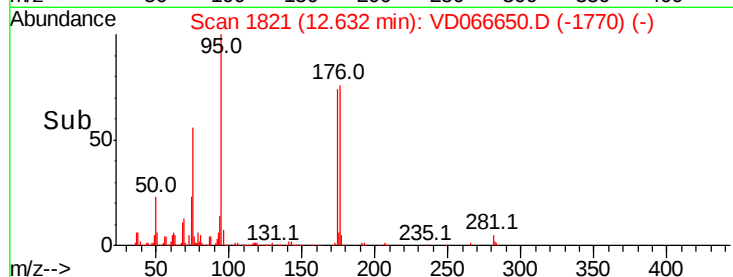
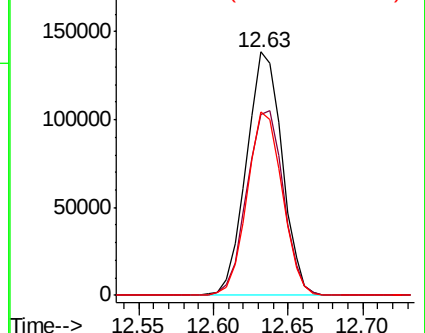
176 74.1 0.0 148.6



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: VD066650.D

Acq: 11 Sep 2020 16:02

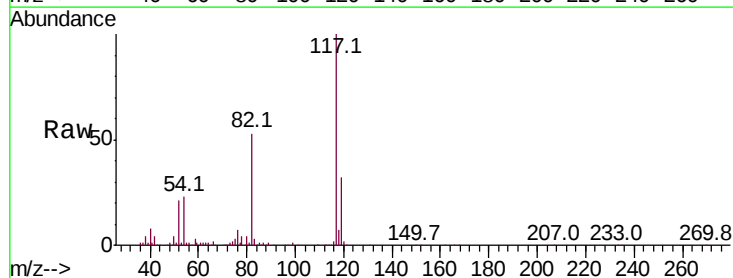
Tgt Ion: 117 Resp: 533727

Ion Ratio Lower Upper

117 100

82 53.0 46.2 69.2

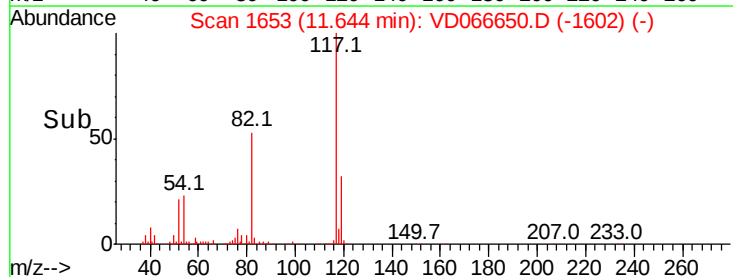
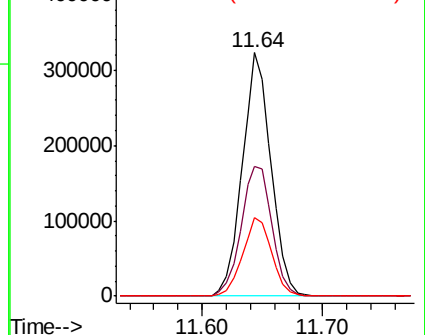
119 32.3 25.8 38.8

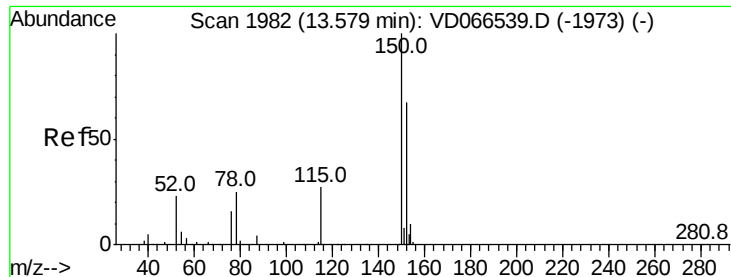


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD066650.D

Acq: 11 Sep 2020 16:02

Instrument :

MSVOA_D

ClientSampleId :

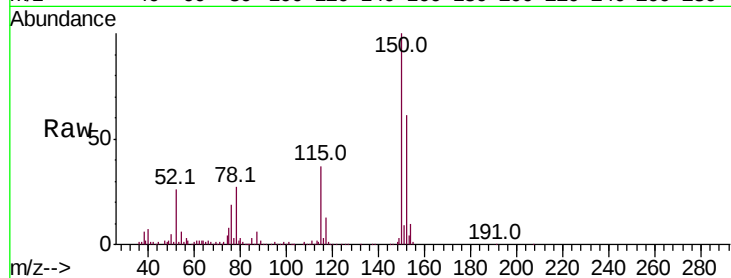
Tot Ion:152 Resp: 229538

Ion Ratio Lower Upper

152 100

115 61.0 30.4 91.2

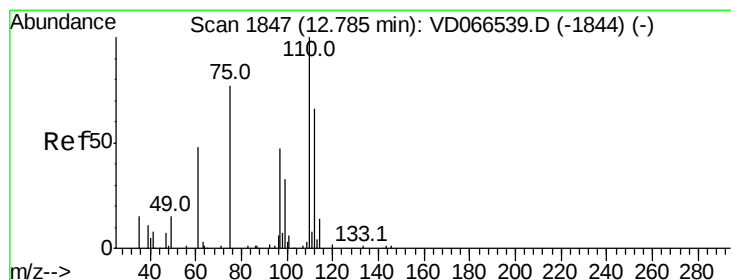
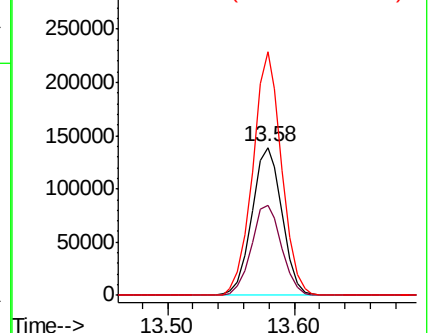
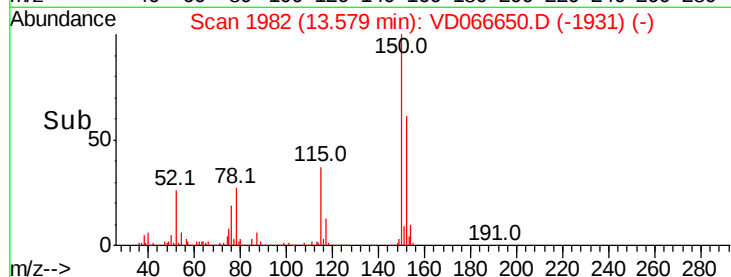
150 157.8 0.0 345.8



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: 58.736 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066650.D

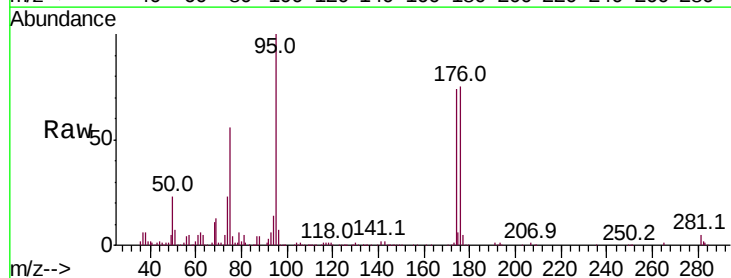
Acq: 11 Sep 2020 16:02

Tgt Ion: 75 Resp: 129663

Ion Ratio Lower Upper

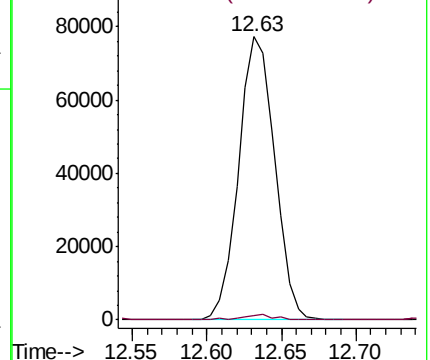
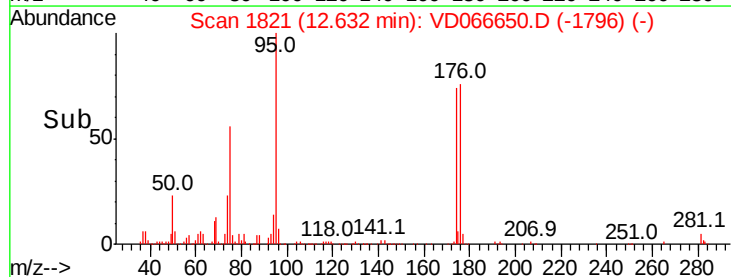
75 100

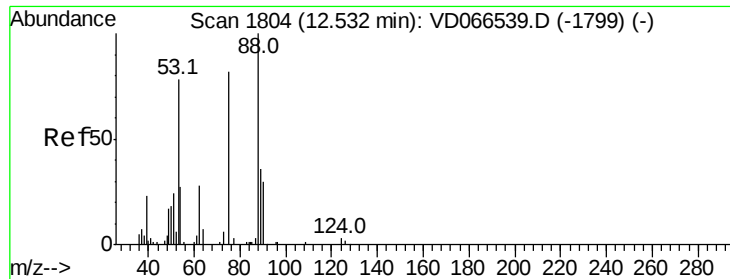
77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

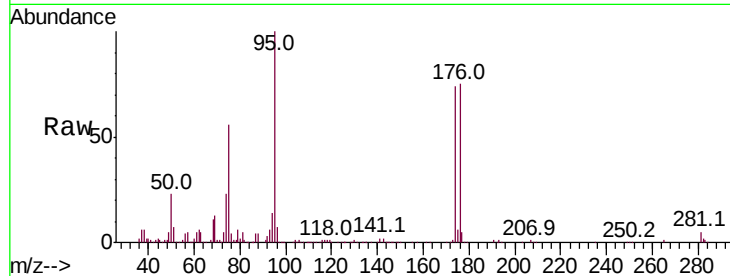




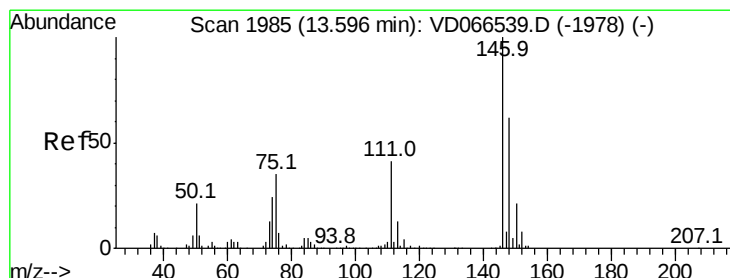
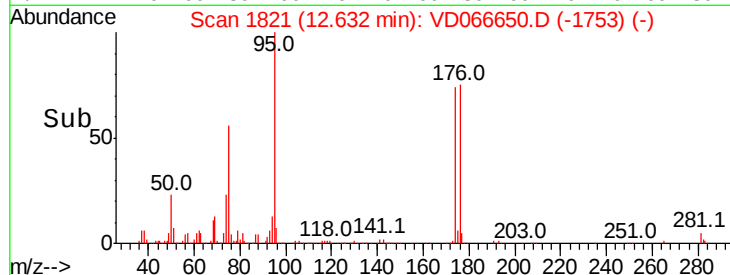
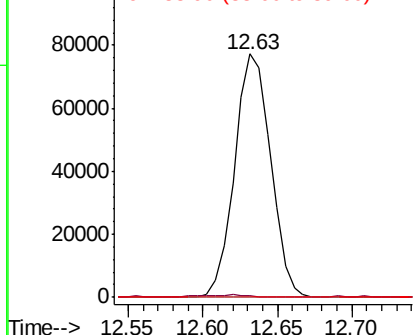
#81
trans-1,4-Dichloro-2-butene
Concen: 137.129 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.10 min
Lab File: VD066650.D
Acq: 11 Sep 2020 16:02

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 75 Resp: 129663
Ion Ratio Lower Upper
75 100
53 0.0 87.0 130.4#
89 0.1 37.1 55.7#

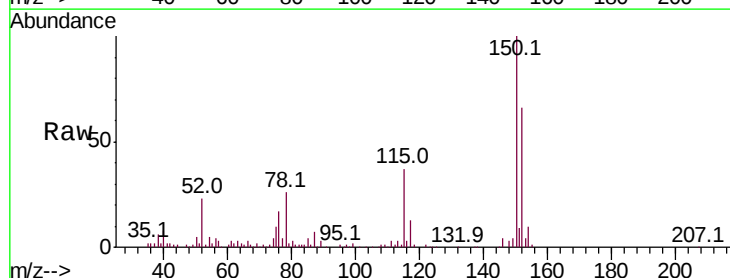


Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC

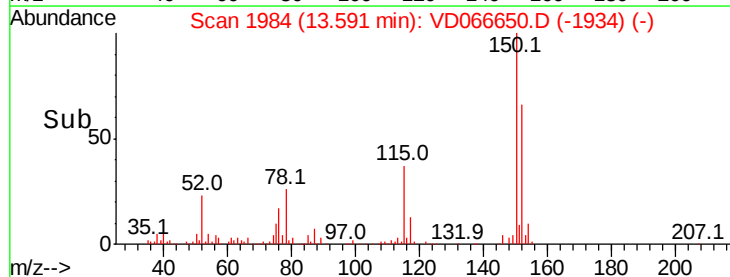
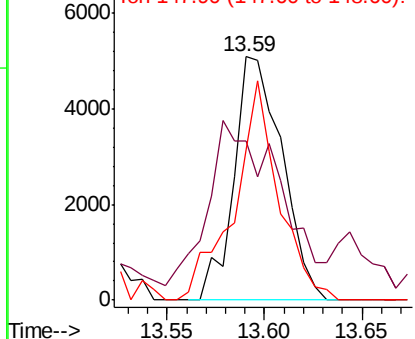


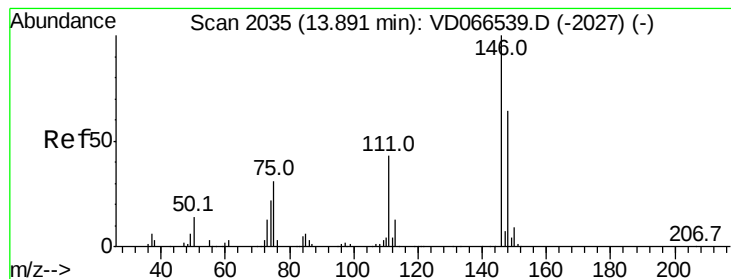
#88
1,4-Dichlorobenzene
Concen: 1.151 ug/l
RT: 13.59 min Scan# 1984
Delta R.T. -0.01 min
Lab File: VD066650.D
Acq: 11 Sep 2020 16:02

Tgt Ion: 146 Resp: 8690
Ion Ratio Lower Upper
146 100
111 95.4 20.1 60.2#
148 83.4 31.6 94.8



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#91

1,2-Dichlorobenzene

Concen: 2.083 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VD066650.D

Acq: 11 Sep 2020 16:02

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:146 Resp: 13698

Ion Ratio Lower Upper

146 100

111 65.3 21.1 63.4#

148 62.5 31.8 95.3

