

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091120\
 Data File : VD066662.D
 Acq On : 11 Sep 2020 21:31
 Operator : VA/SY
 Sample : L3928-02
 Misc : 6.45G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 12 00:42:35 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	357746	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	655524	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	628304	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	271791	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	236307	54.59	ug/l	0.00
Spiked Amount			Recovery	=	109.18%	
35) Dibromofluoromethane	7.91	113	228033	51.57	ug/l	0.00
Spiked Amount			Recovery	=	103.14%	
50) Toluene-d8	10.34	98	819662	51.86	ug/l	0.00
Spiked Amount			Recovery	=	103.72%	
62) 4-Bromofluorobenzene	12.63	95	270753	51.66	ug/l	0.00
Spiked Amount			Recovery	=	103.32%	

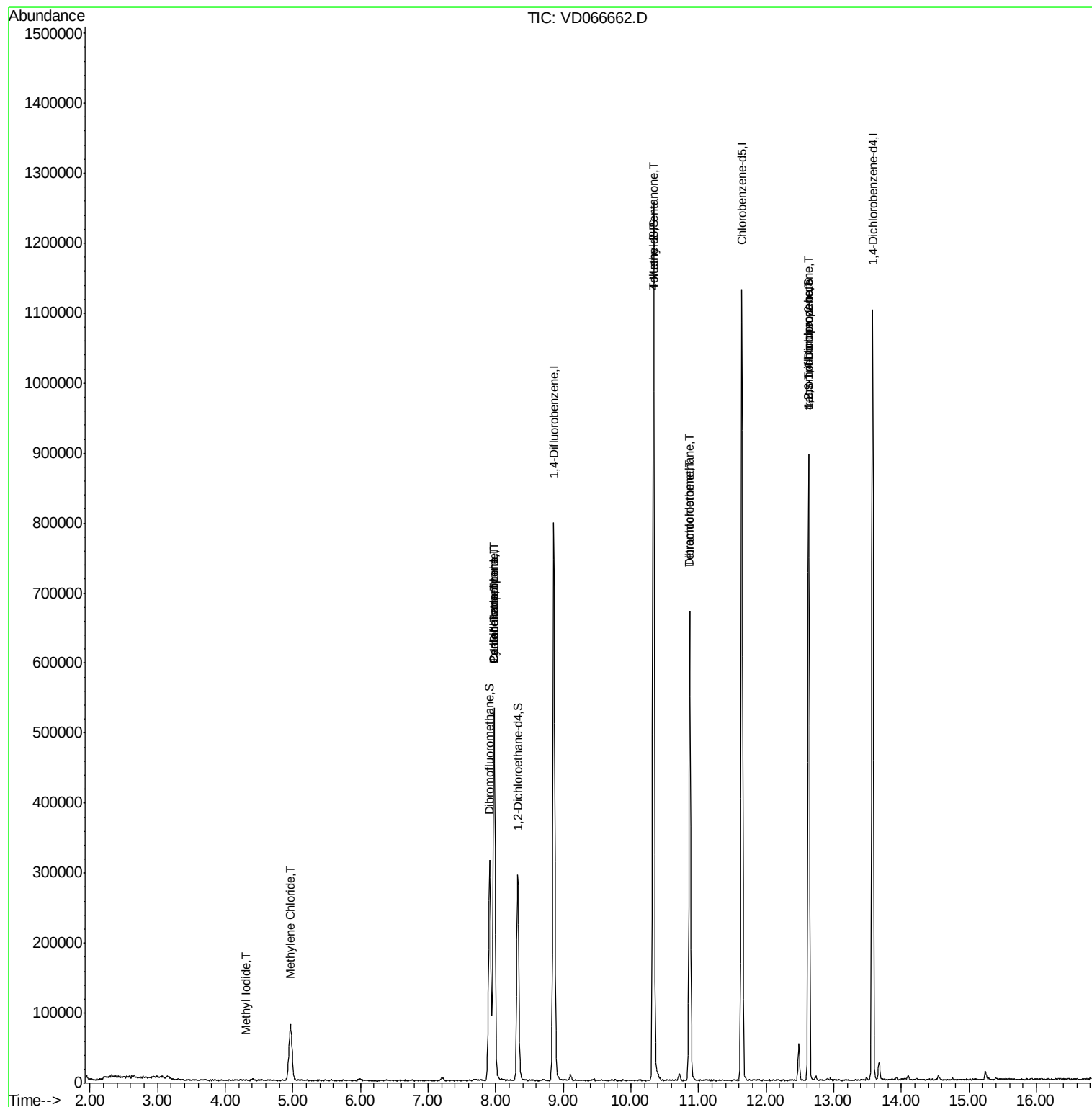
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.76	94	209	Below Cal		97
10) Methyl Iodide	4.31	142	126	4.055 ug/l #		35
11) Tert butyl alcohol	5.16	59	61	Below Cal #		74
20) Methylene Chloride	4.97	84	59167	8.084 ug/l		95
31) Cyclohexane	7.97	56	9493	1.344 ug/l #		5
36) 1,1-Dichloropropene	7.98	75	35207	5.161 ug/l #		51
38) Carbon Tetrachloride	7.97	117	40608	5.632 ug/l #		19
51) 4-Methyl-2-Pentanone	10.34	43	4261	1.623 ug/l #		1
60) Dibromochloromethane	10.87	129	131724	29.886 ug/l #		10
64) Tetrachloroethene	10.87	164	144563	34.172 ug/l		96
76) 1,2,3-Trichloropropane	12.63	75	152450	58.323 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.63	75	152450	136.163 ug/l #		7

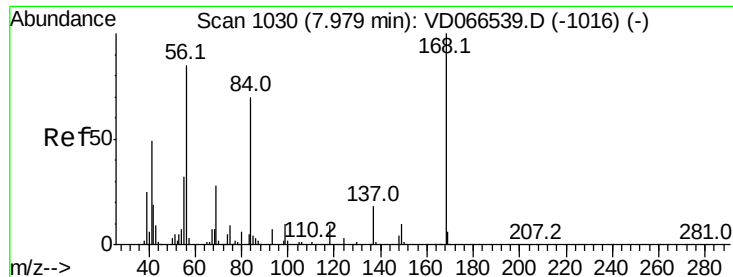
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091120\
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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: VD066662.D

Acq: 11 Sep 2020 21:31

Instrument :

MSVOA_D

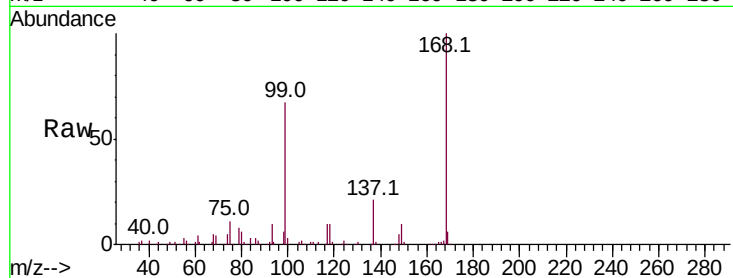
ClientSampled :

Tot Ion:168 Resp: 357746

Ion Ratio Lower Upper

168 100

99 67.1 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

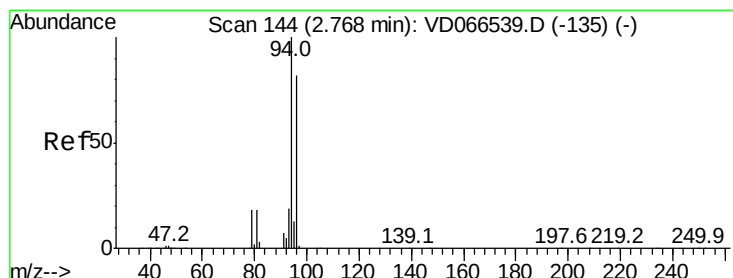
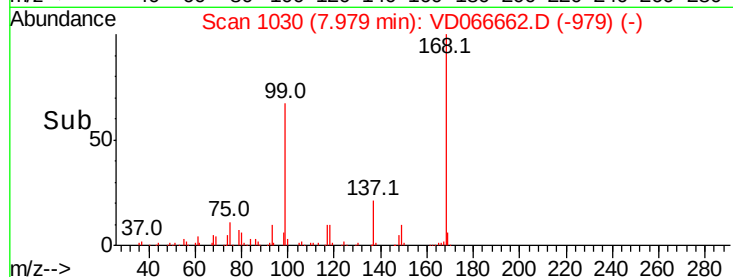
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066662.D

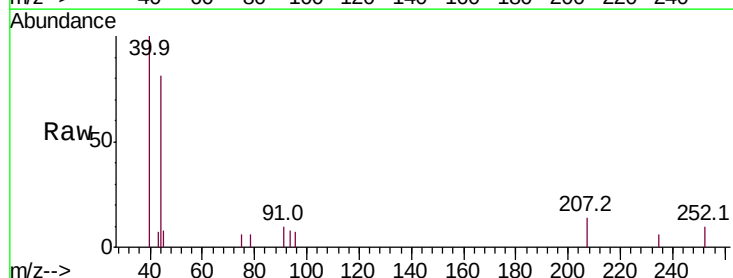
Acq: 11 Sep 2020 21:31

Tgt Ion: 94 Resp: 209

Ion Ratio Lower Upper

94 100

96 84.2 65.2 97.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

400

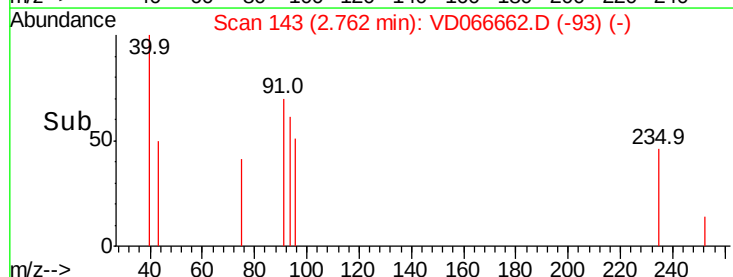
300

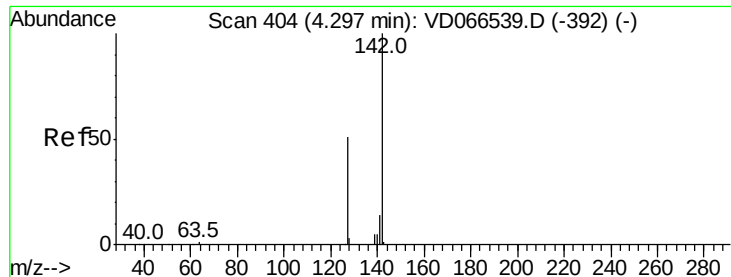
200

100

0

Time-->





#10

Methyl Iodide

Concen: 4.055 ug/l

RT: 4.31 min Scan# 406

Delta R.T. 0.01 min

Lab File: VD066662.D

Acq: 11 Sep 2020 21:31

Instrument :
MSVOA_D
ClientSampled :

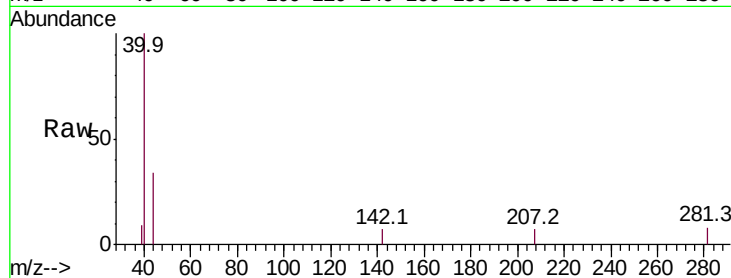
Tot Ion:142 Resp: 126

Ion Ratio Lower Upper

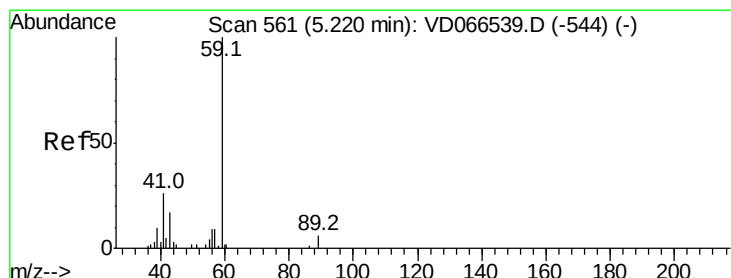
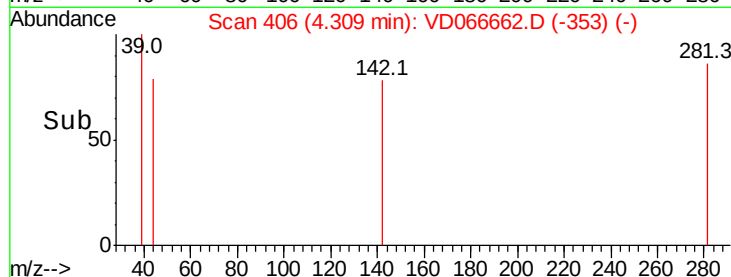
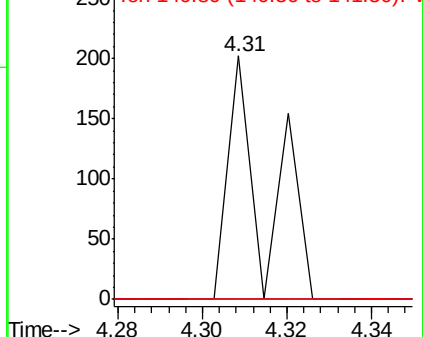
142 100

127 0.0 40.6 61.0#

141 0.0 12.2 18.4#



Abundance Ion 141.80 (141.50 to 142.50): V
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: 5.16 min Scan# 551

Delta R.T. -0.06 min

Lab File: VD066662.D

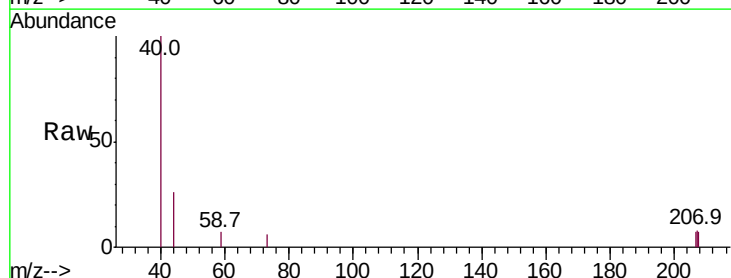
Acq: 11 Sep 2020 21:31

Tgt Ion: 59 Resp: 61

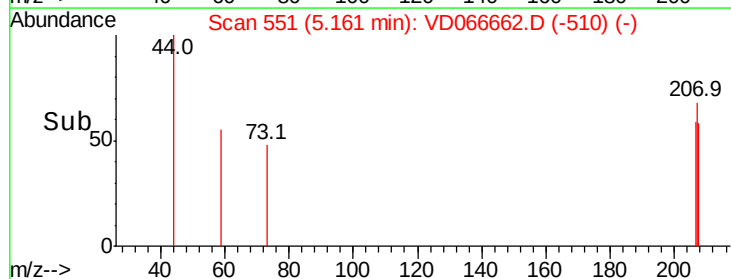
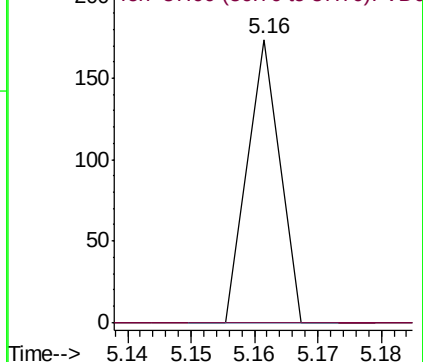
Ion Ratio Lower Upper

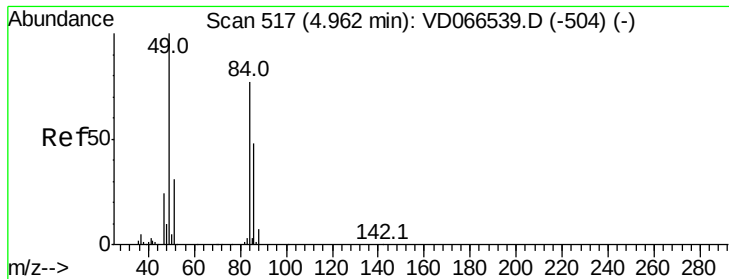
59 100

57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): V
Ion 57.00 (56.70 to 57.70): V

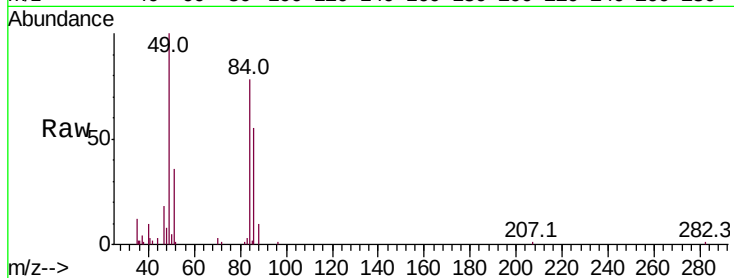




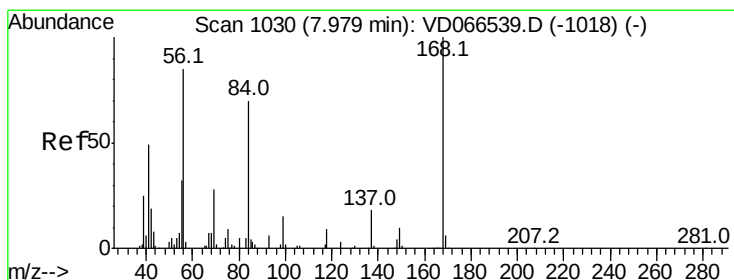
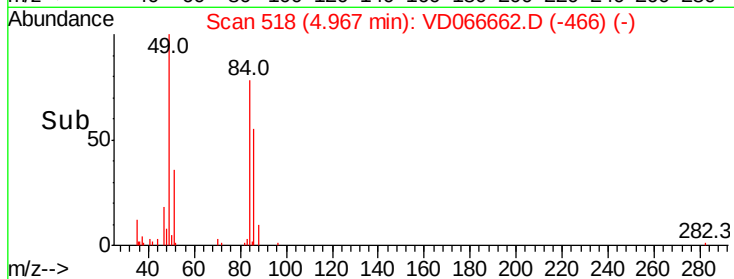
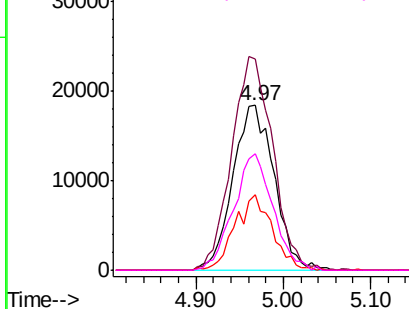
#20
Methylene Chloride
Concen: 8.084 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066662.D
Acq: 11 Sep 2020 21:31

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	84	Resp:	59167
Ion	Ratio	Lower	Upper
84	100		
49	128.2	104.3	156.5
51	46.1	32.2	48.4
86	70.5	50.0	75.0

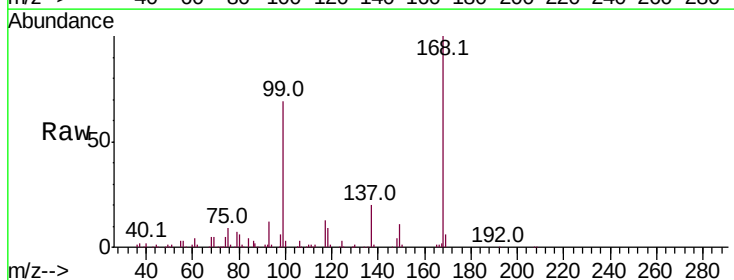


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

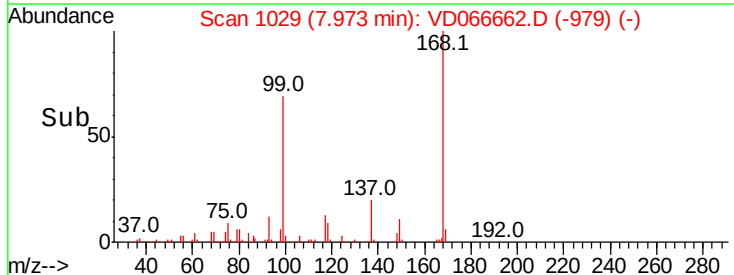
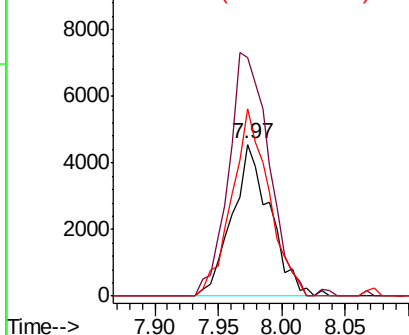


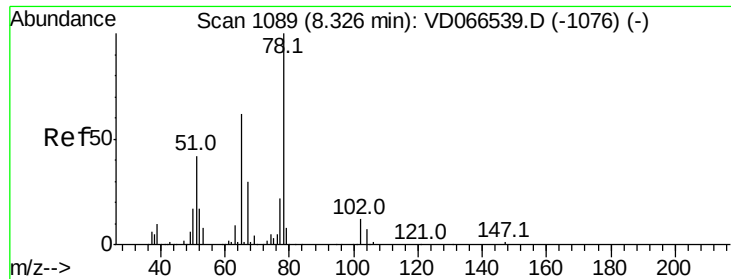
#31
Cyclohexane
Concen: 1.344 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066662.D
Acq: 11 Sep 2020 21:31

Tgt Ion:	56	Resp:	9493
Ion	Ratio	Lower	Upper
56	100		
69	157.0	26.3	39.5#
84	123.5	66.1	99.1#



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

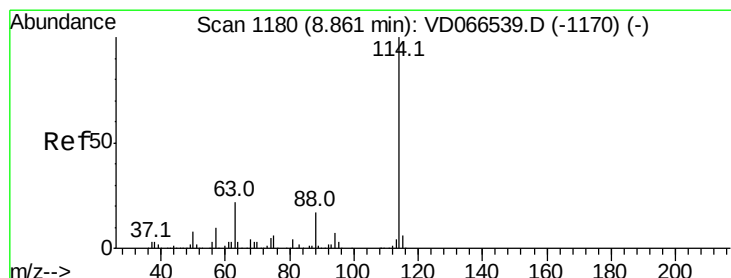
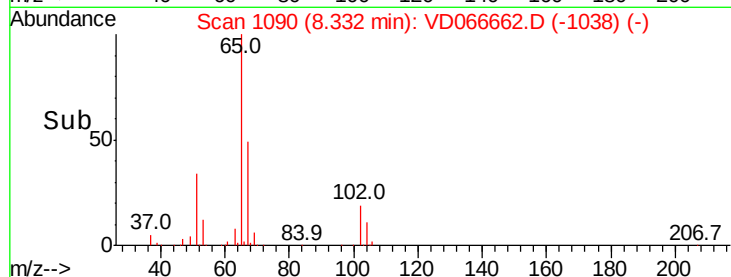
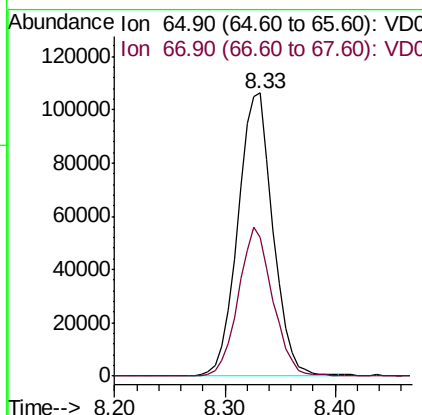
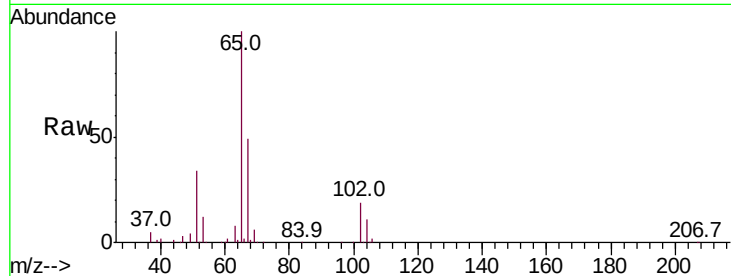




#33
 1,2-Dichloroethane-d4
 Concen: 54.595 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.01 min
 Lab File: VD066662.D
 Acq: 11 Sep 2020 21:31

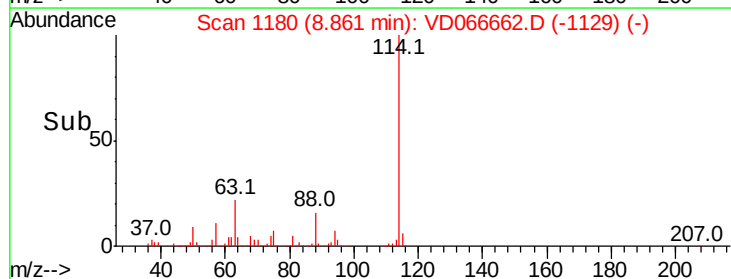
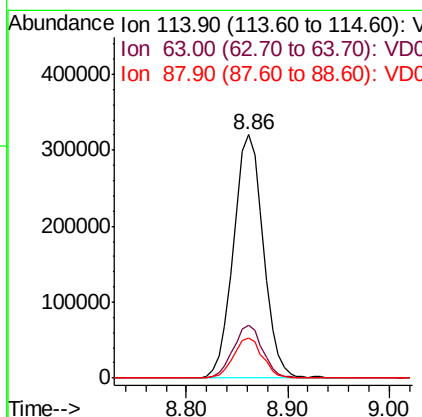
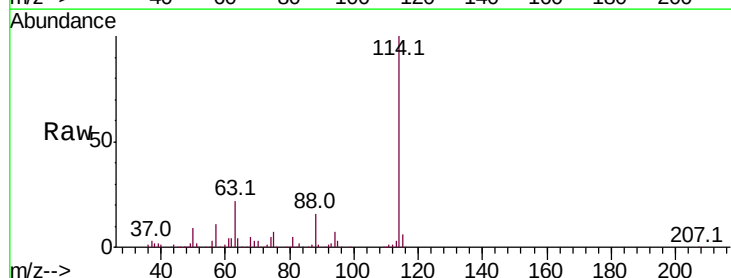
Instrument :
 MSVOA_D
 ClientSampleId :

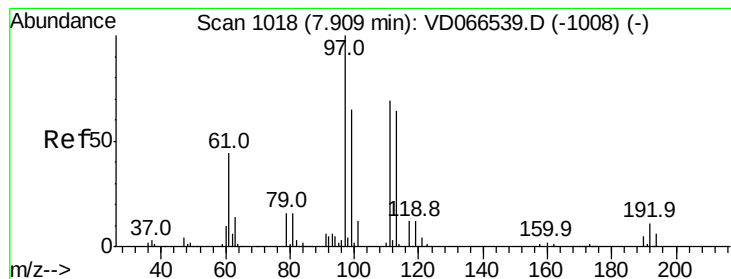
Tot Ion: 65 Resp: 236307
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066662.D
 Acq: 11 Sep 2020 21:31

Tgt Ion: 114 Resp: 655524
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.2
 88 16.3 0.0 33.2





#35

Dibromofluoromethane

Concen: 51.565 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD066662.D

Acq: 11 Sep 2020 21:31

Instrument :

MSVOA_D

ClientSampleId :

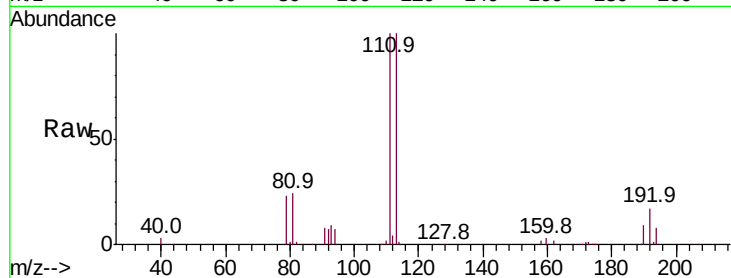
Tot Ion:113 Resp: 228033

Ion Ratio Lower Upper

113 100

111 102.2 83.2 124.8

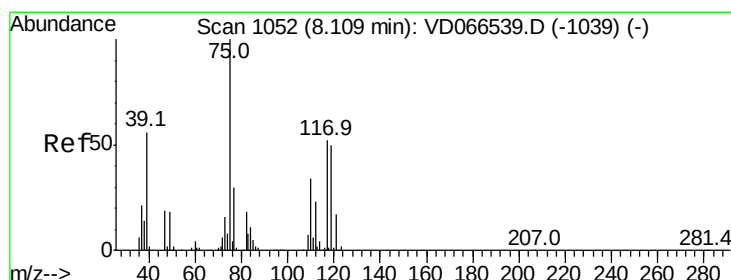
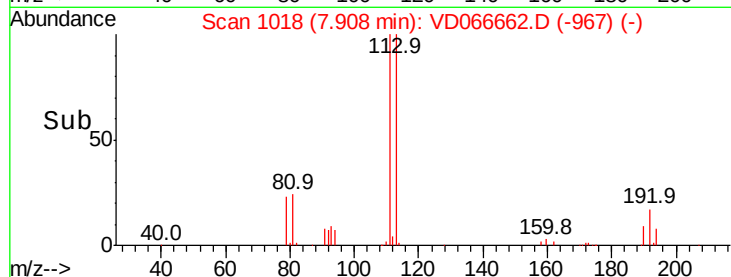
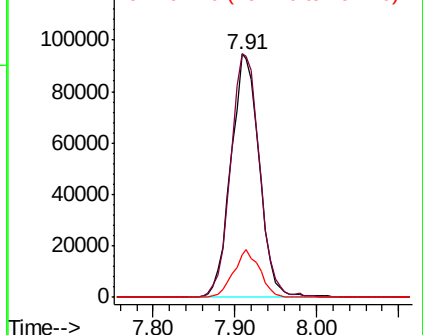
192 18.0 13.7 20.5



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: 5.161 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066662.D

Acq: 11 Sep 2020 21:31

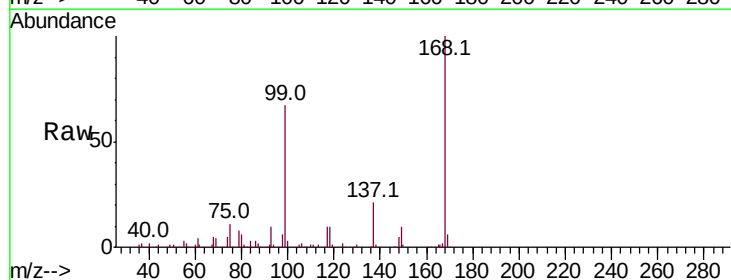
Tgt Ion: 75 Resp: 35207

Ion Ratio Lower Upper

75 100

110 10.5 17.3 52.0#

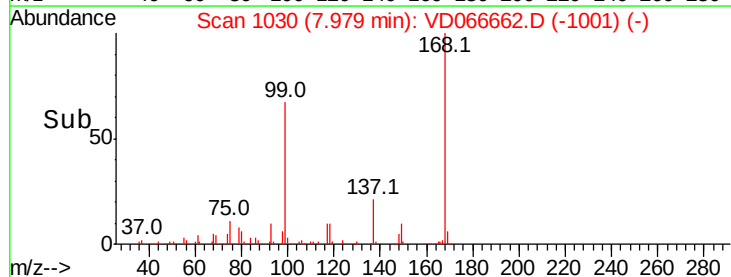
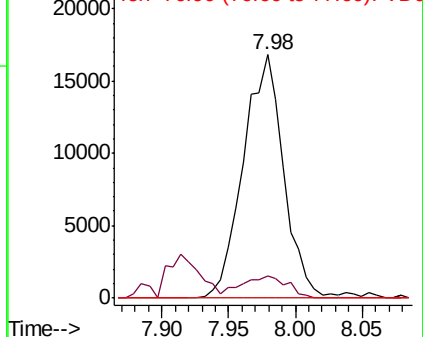
77 0.0 25.1 37.7#

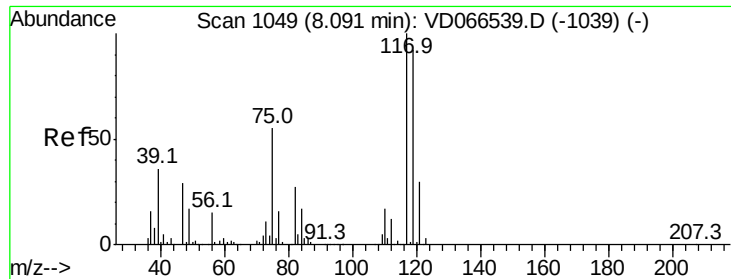


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

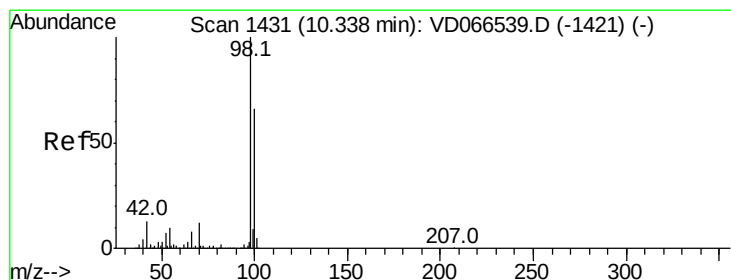
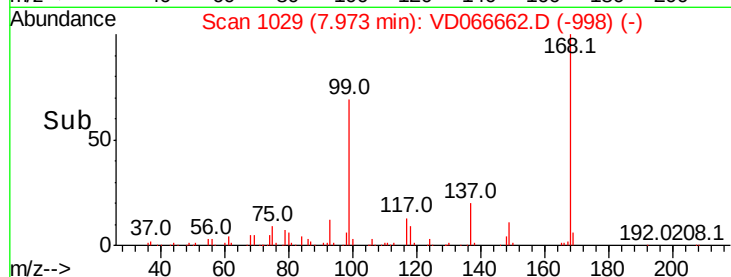
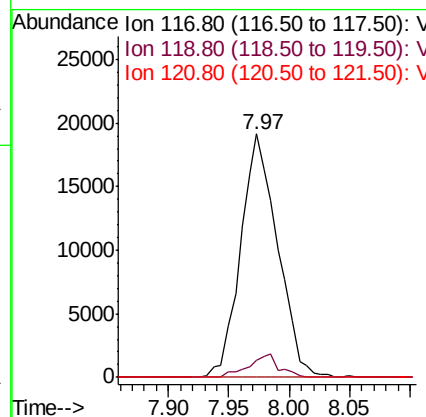
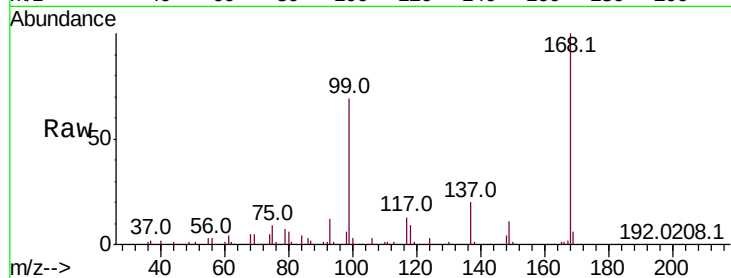




#38
Carbon Tetrachloride
Concen: 5.632 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.12 min
Lab File: VD066662.D
Acq: 11 Sep 2020 21:31

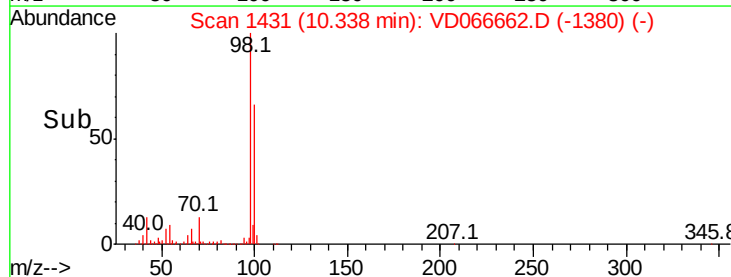
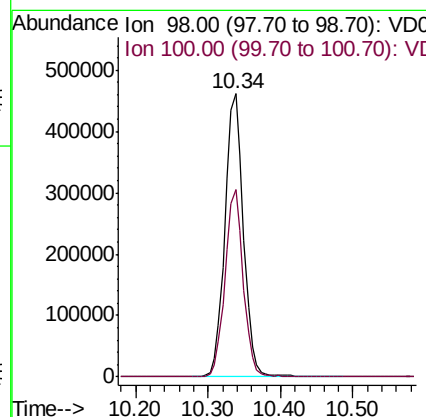
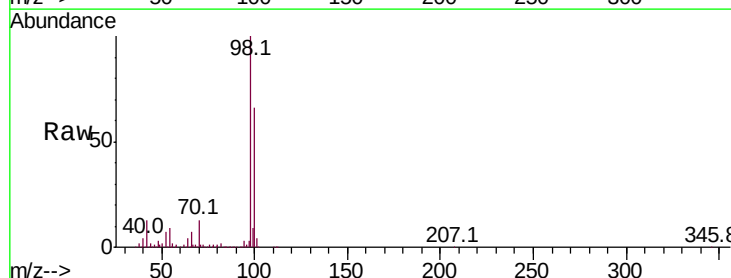
Instrument :
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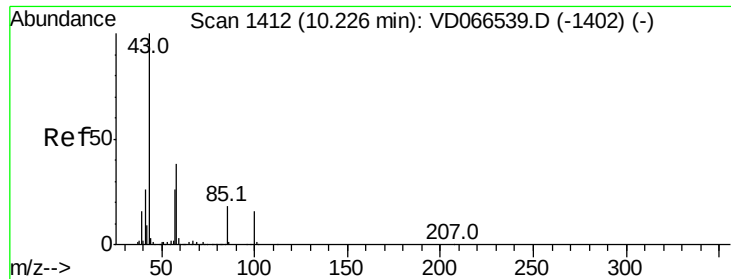
Tot Ion:117 Resp: 40608
Ion Ratio Lower Upper
117 100
119 7.0 73.9 110.9#
121 0.0 24.1 36.1#



#50
Toluene-d8
Concen: 51.859 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066662.D
Acq: 11 Sep 2020 21:31

Tgt Ion: 98 Resp: 819662
Ion Ratio Lower Upper
98 100
100 65.0 52.9 79.3

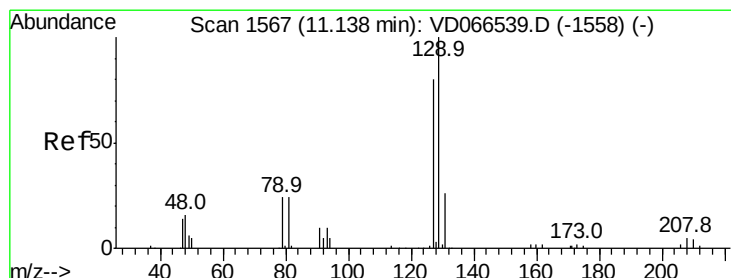
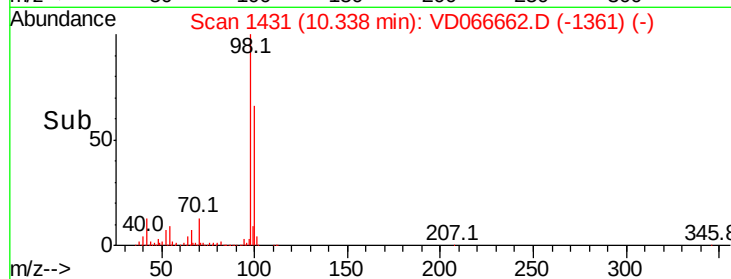
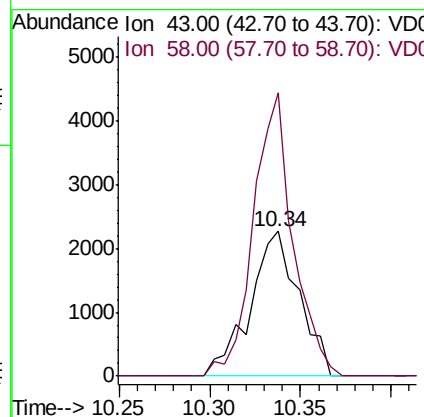
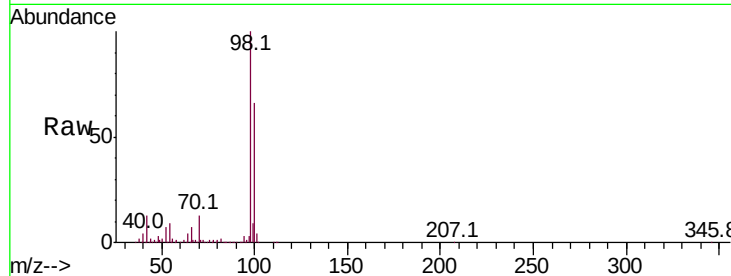




#51
 4-Methyl-2-Pentanone
 Concen: 1.623 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. 0.11 min
 Lab File: VD066662.D
 Acq: 11 Sep 2020 21:31

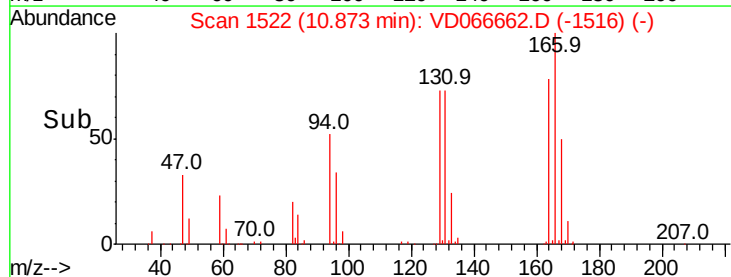
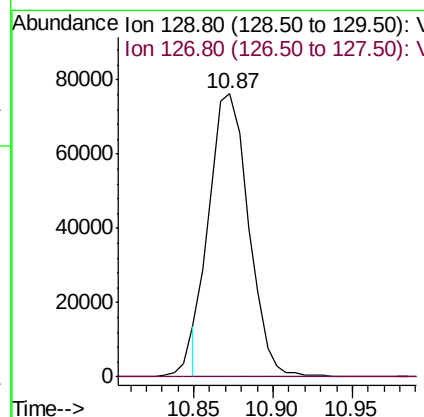
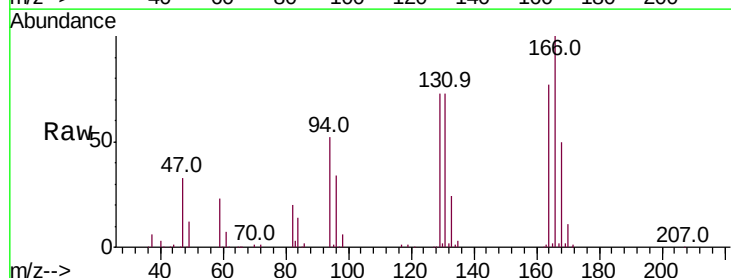
Instrument :
 MSVOA_D
 ClientSampleID :

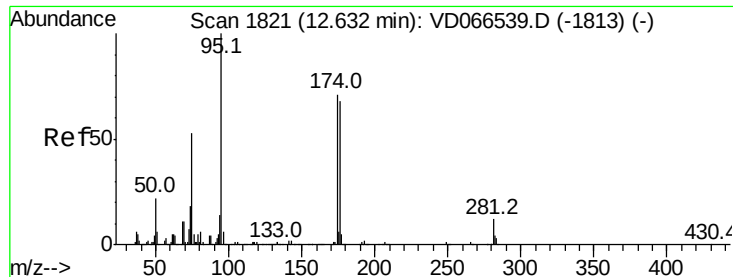
Tot Ion: 43 Resp: 4261
 Ion Ratio Lower Upper
 43 100
 58 158.6 30.5 45.7#



#60
 Dibromochloromethane
 Concen: 29.886 ug/l
 RT: 10.87 min Scan# 1522
 Delta R.T. -0.26 min
 Lab File: VD066662.D
 Acq: 11 Sep 2020 21:31

Tgt Ion: 129 Resp: 131724
 Ion Ratio Lower Upper
 129 100
 127 0.3 39.5 118.3#





#62

4-Bromofluorobenzene

Concen: 51.661 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066662.D

Acq: 11 Sep 2020 21:31

Instrument :

MSVOA_D

ClientSampleId :

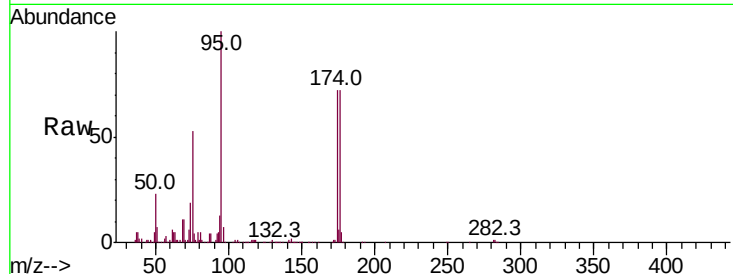
Tot Ion: 95 Resp: 270753

Ion Ratio Lower Upper

95 100

174 77.8 0.0 155.8

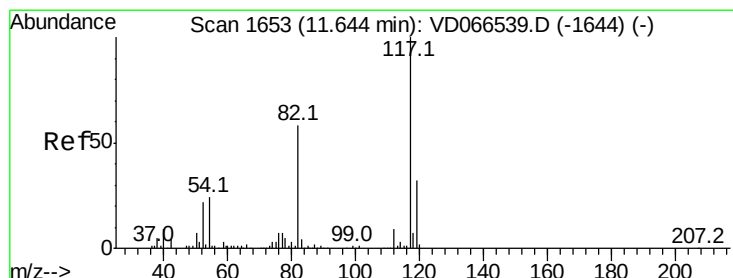
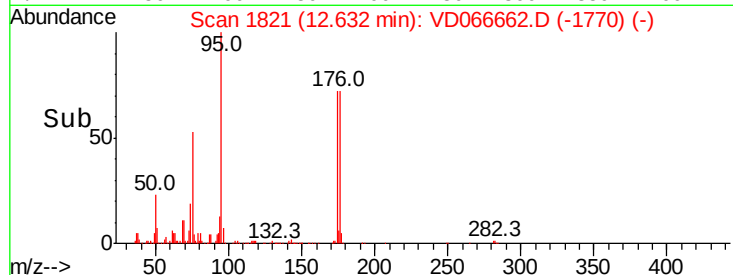
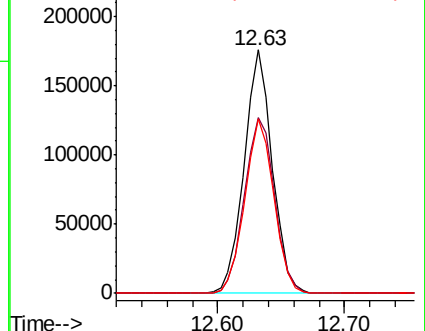
176 74.1 0.0 148.6



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: VD066662.D

Acq: 11 Sep 2020 21:31

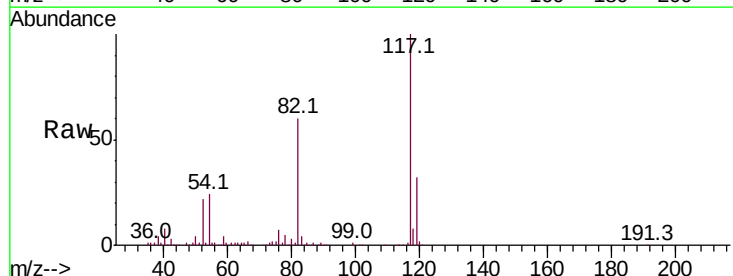
Tgt Ion: 117 Resp: 628304

Ion Ratio Lower Upper

117 100

82 59.9 46.2 69.2

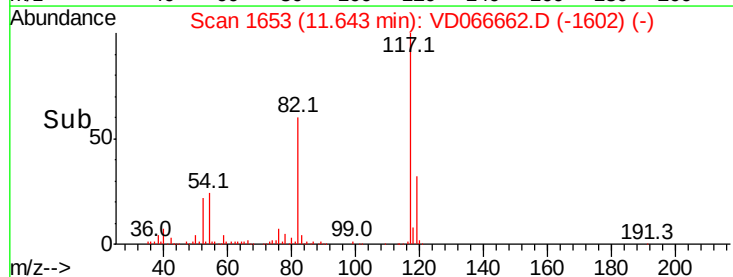
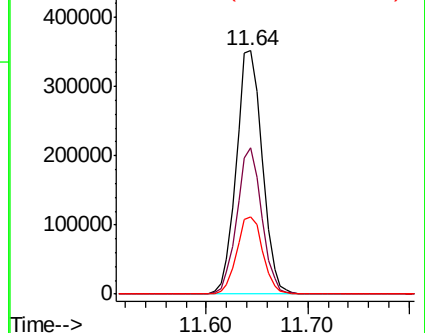
119 31.9 25.8 38.8

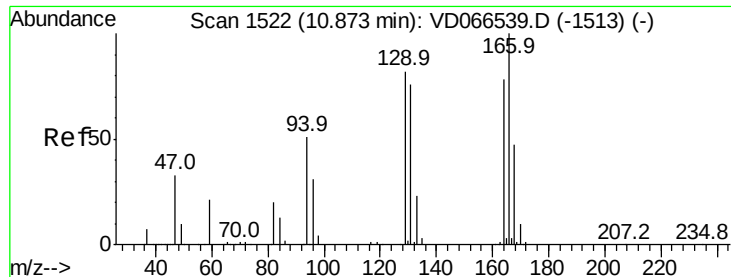


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

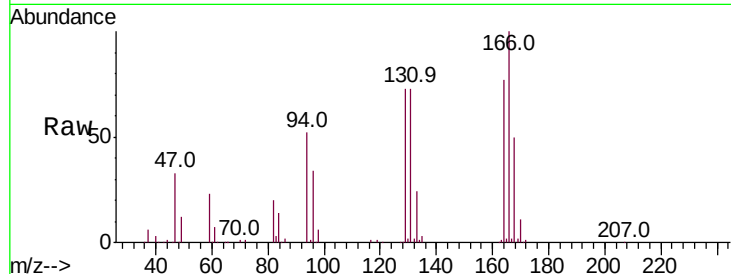




#64
Tetrachloroethene
Concen: 34.172 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066662.D
Acq: 11 Sep 2020 21:31

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
166	129.6	103.2	154.8
129	95.1	84.5	126.7
131	95.2	78.9	118.3



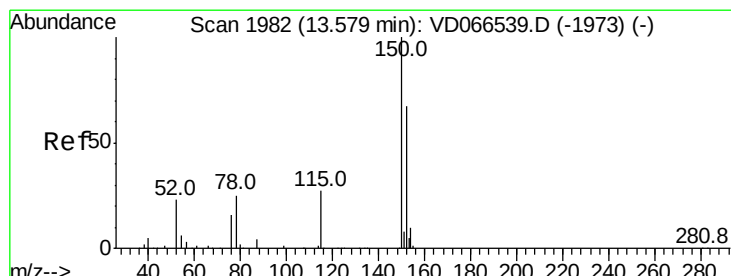
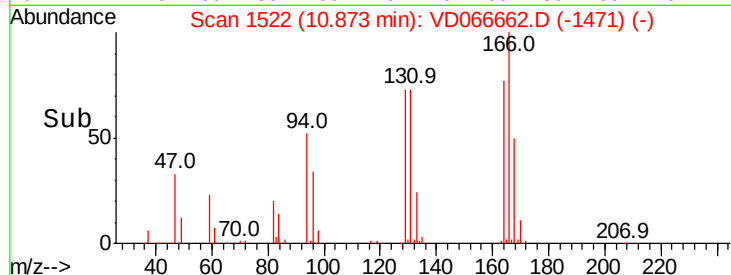
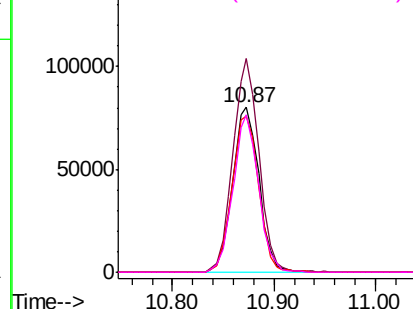
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

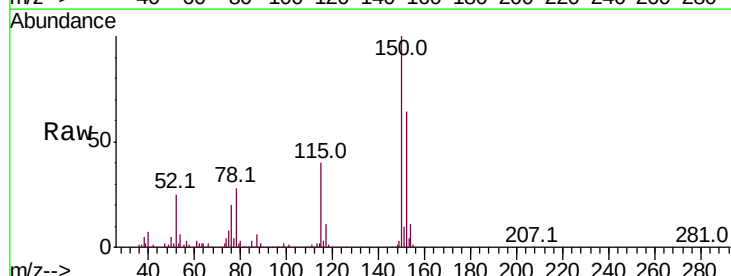
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VD066662.D
Acq: 11 Sep 2020 21:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.7	30.4	91.2
150	156.9	0.0	345.8

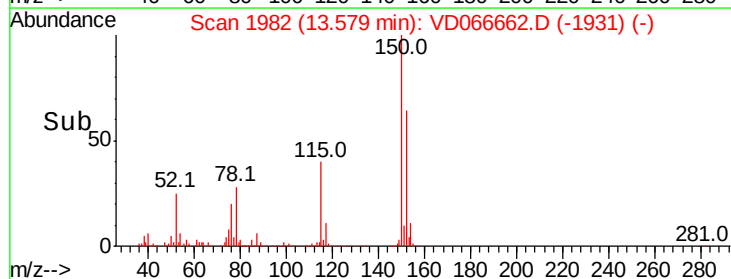
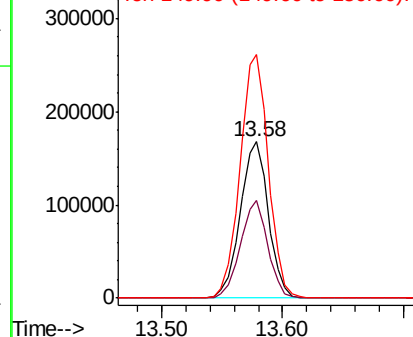


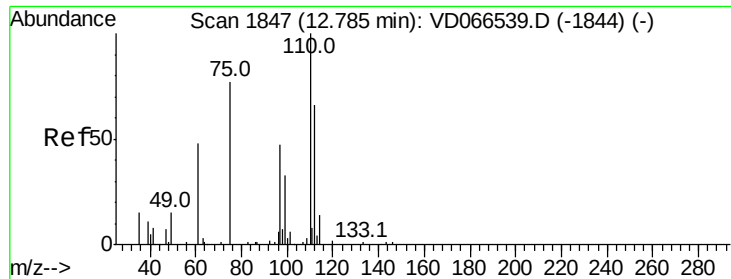
Abundance

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

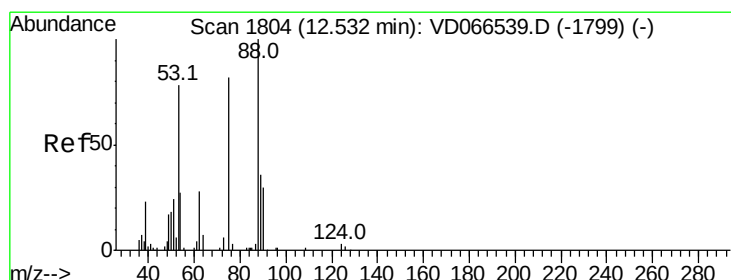
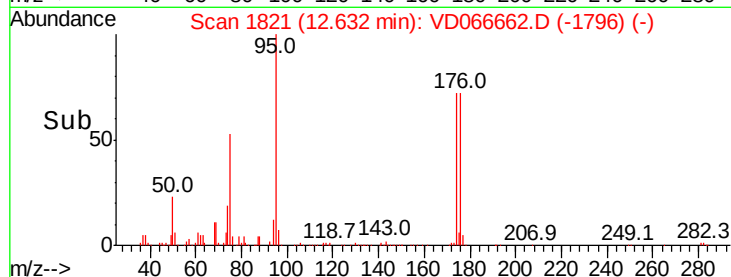
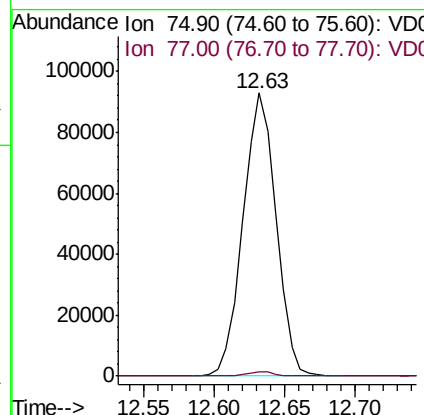
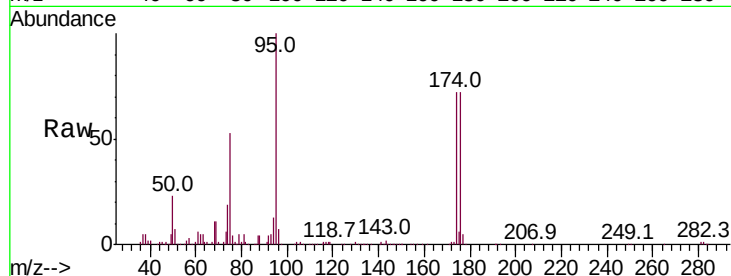




#76
 1,2,3-Trichloropropane
 Concen: 58.323 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066662.D
 Acq: 11 Sep 2020 21:31

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 75 Resp: 152450
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 136.163 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066662.D
 Acq: 11 Sep 2020 21:31

Tgt Ion: 75 Resp: 152450
 Ion Ratio Lower Upper
 75 100
 53 0.2 87.0 130.4#
 89 0.0 37.1 55.7#

