

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091120\
 Data File : VD066660.D
 Acq On : 11 Sep 2020 20:36
 Operator : VA/SY
 Sample : L3981-11
 Misc : 11.80G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 12 00:42:19 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	397914	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	705891	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	681361	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	281192	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	251839	52.31	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.62%		
35) Dibromofluoromethane	7.91	113	245377	51.53	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.06%		
50) Toluene-d8	10.34	98	887343	52.14	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.28%		
62) 4-Bromofluorobenzene	12.63	95	298953	52.97	ug/l	0.00
Spiked Amount 50.000			Recovery =	105.94%		

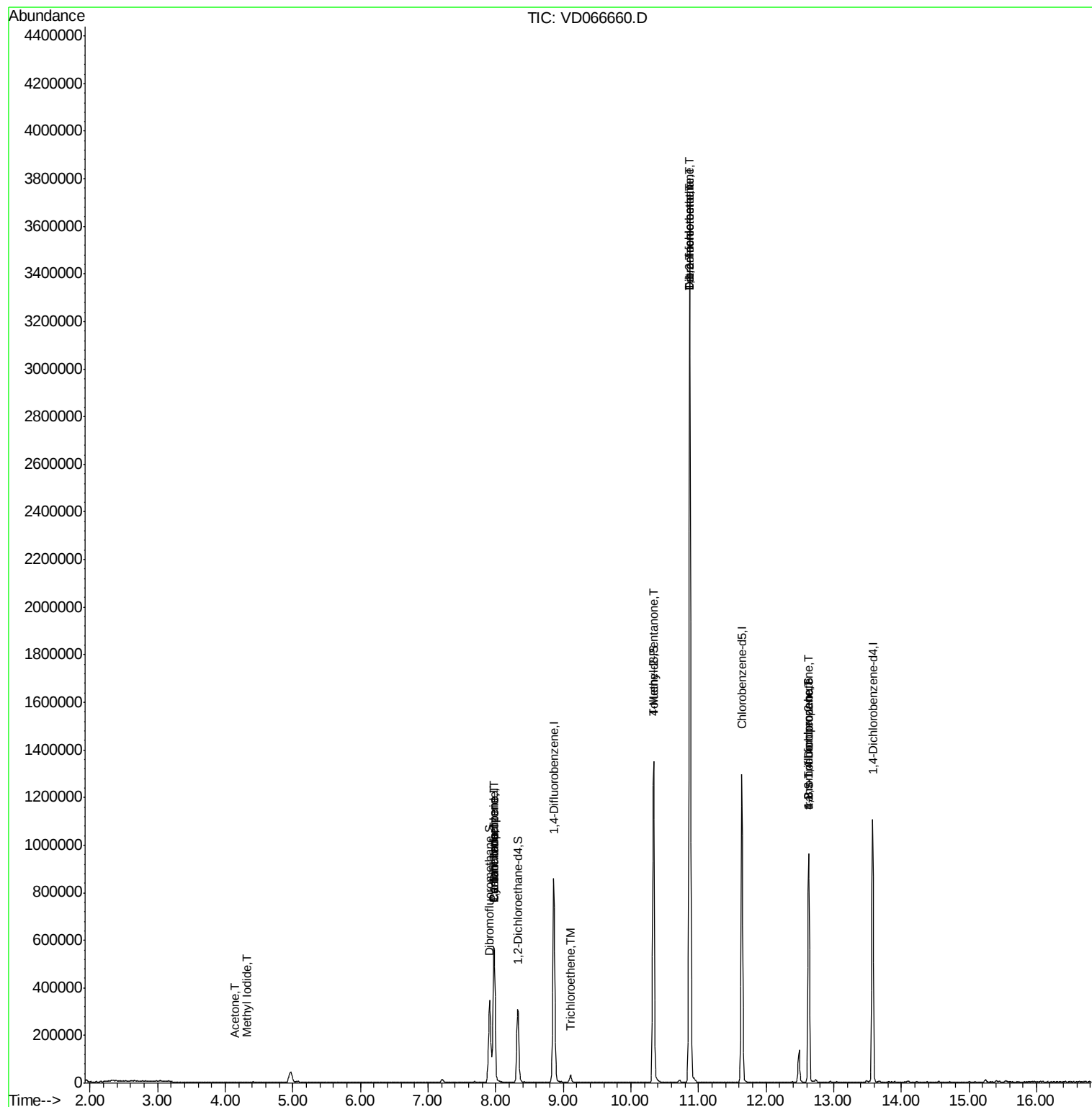
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	75	Below Cal	#	46
5) Bromomethane	2.76	94	272	Below Cal	#	9
10) Methyl Iodide	4.31	142	80	4.041	ug/l #	35
16) Acetone	4.15	43	1189	1.342	ug/l #	46
31) Cyclohexane	7.98	56	11393	1.451	ug/l #	21
36) 1,1-Dichloropropene	7.97	75	37417	5.093	ug/l #	52
38) Carbon Tetrachloride	7.97	117	45140	5.813	ug/l #	20
44) Trichloroethene	9.11	130	9364	1.774	ug/l	92
51) 4-Methyl-2-Pentanone	10.34	43	5087	1.799	ug/l #	1
55) 1,1,2-Trichloroethane	10.87	97	7735	2.155	ug/l #	21
60) Dibromochloromethane	10.87	129	736762	155.233	ug/l #	10
64) Tetrachloroethene	10.87	164	773902	168.693	ug/l	93
76) 1,2,3-Trichloropropane	12.63	75	166844	61.695	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	166844	144.037	ug/l #	7

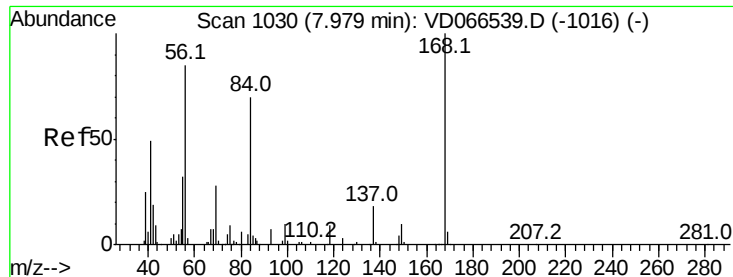
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066660.D

Acq: 11 Sep 2020 20:36

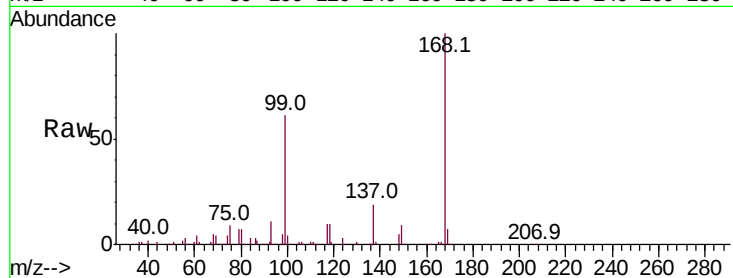
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 397914

Ion Ratio Lower Upper

168 100

99 60.5 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

200000

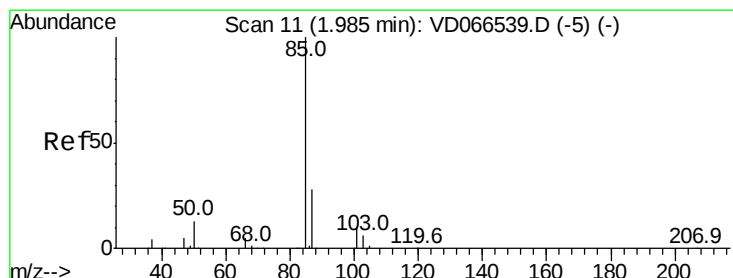
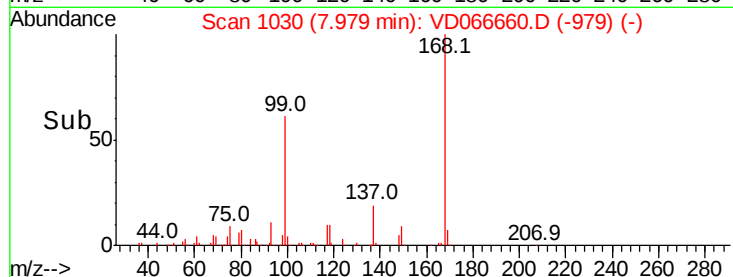
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066660.D

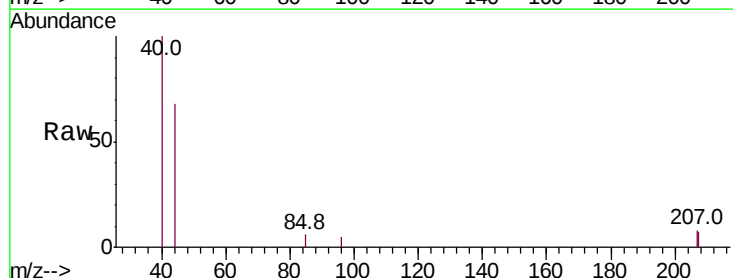
Acq: 11 Sep 2020 20:36

Tgt Ion: 85 Resp: 75

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

250

200

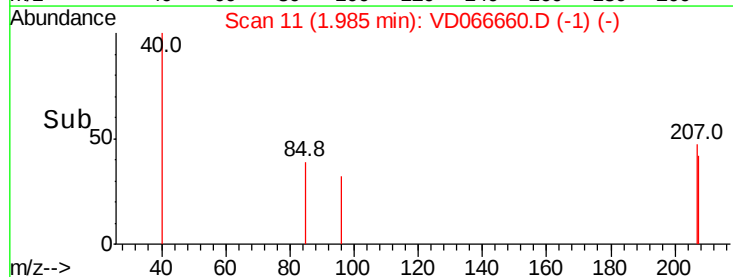
150

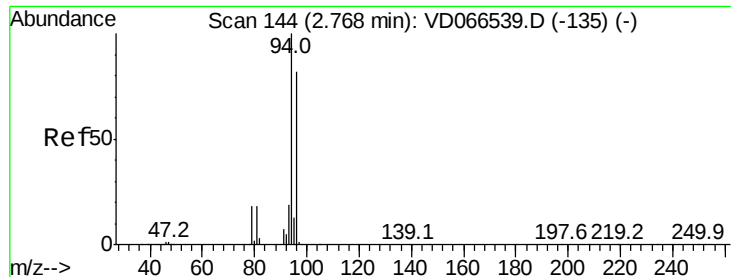
100

50

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD066660.D

Acq: 11 Sep 2020 20:36

Instrument :

MSVOA_D

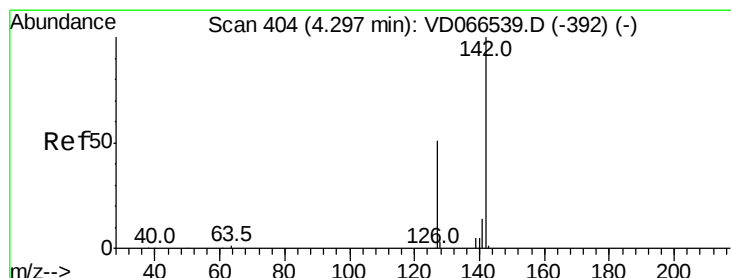
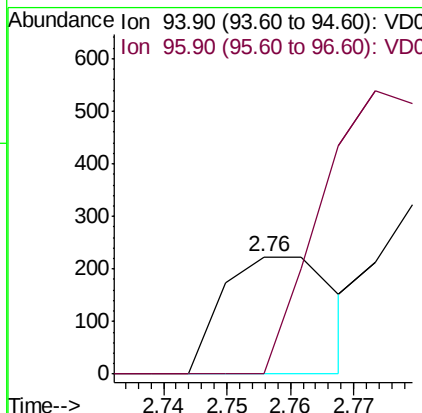
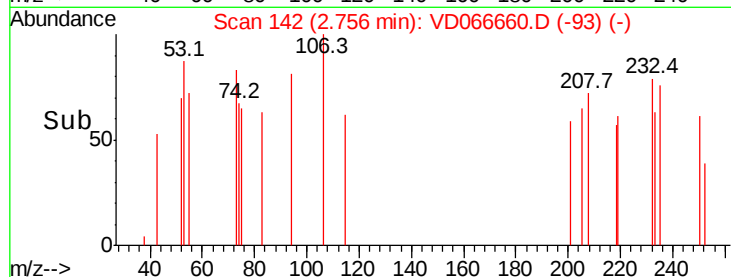
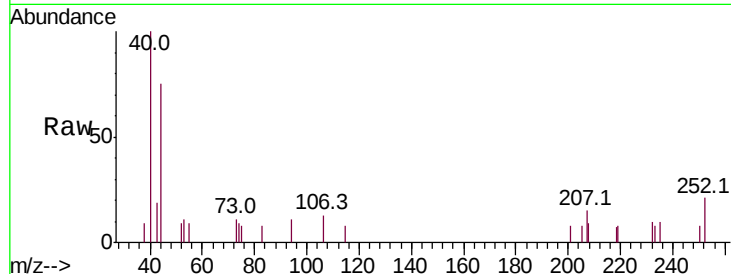
ClientSampled :

Tot Ion: 94 Resp: 272

Ion Ratio Lower Upper

94 100

96 0.0 65.2 97.8#



#10

Methyl Iodide

Concen: 4.041 ug/l

RT: 4.31 min Scan# 407

Delta R.T. 0.02 min

Lab File: VD066660.D

Acq: 11 Sep 2020 20:36

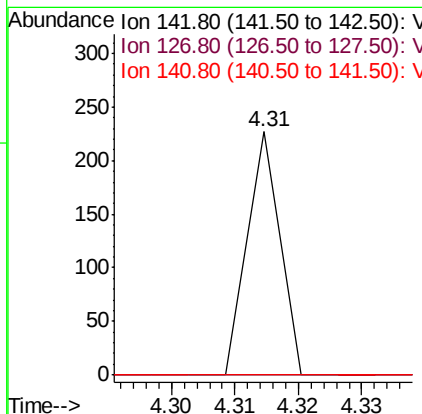
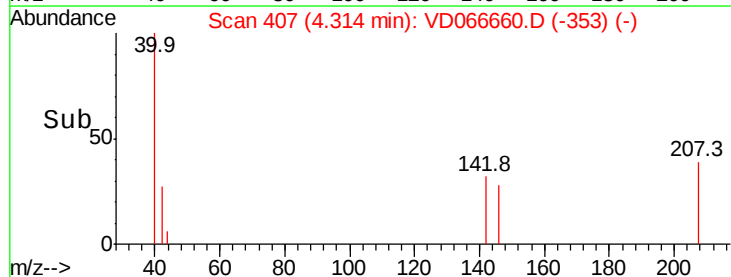
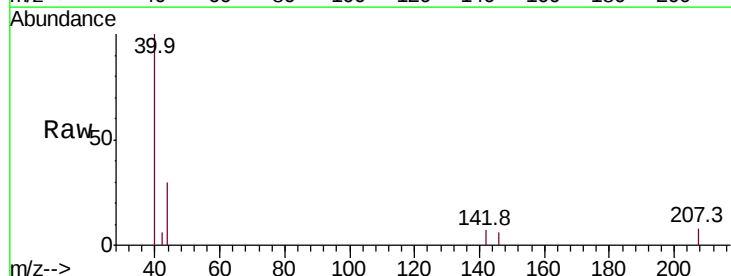
Tgt Ion: 142 Resp: 80

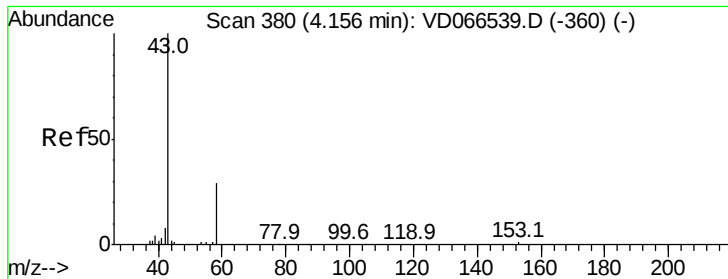
Ion Ratio Lower Upper

142 100

127 0.0 40.6 61.0#

141 0.0 12.2 18.4#

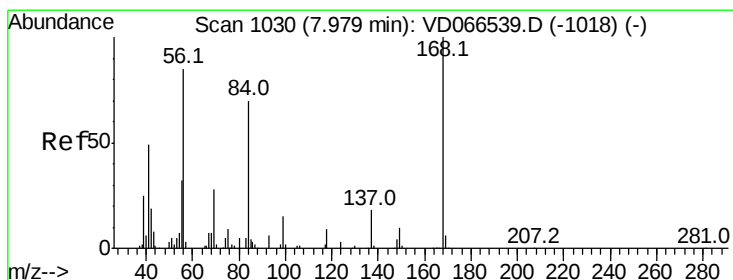
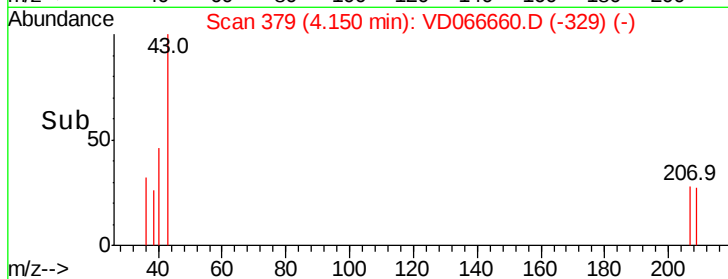
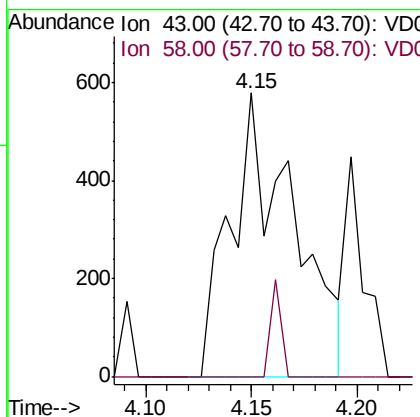
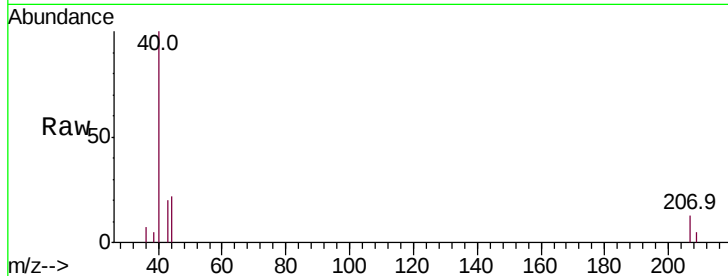




#16
Acetone
Concen: 1.342 ug/l
RT: 4.15 min Scan# 379
Delta R.T. -0.01 min
Lab File: VD066660.D
Acq: 11 Sep 2020 20:36

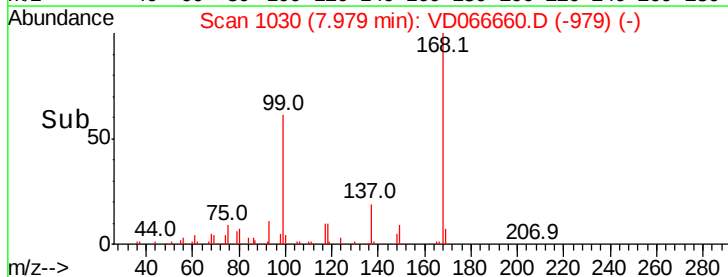
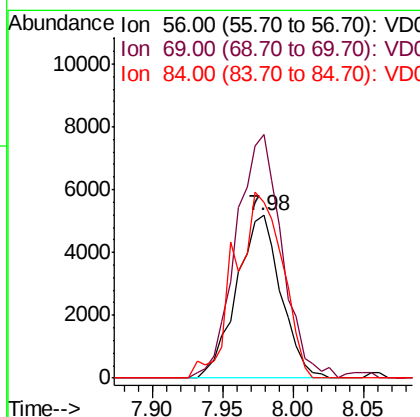
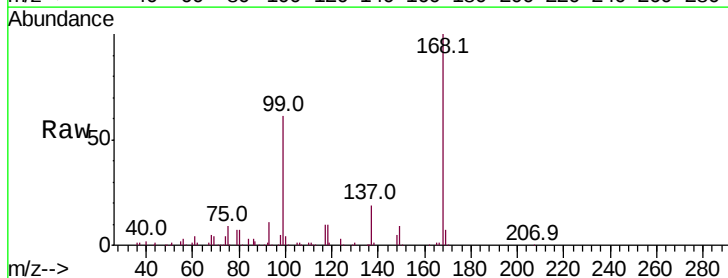
Instrument :
MSVOA_D
ClientSampleId :

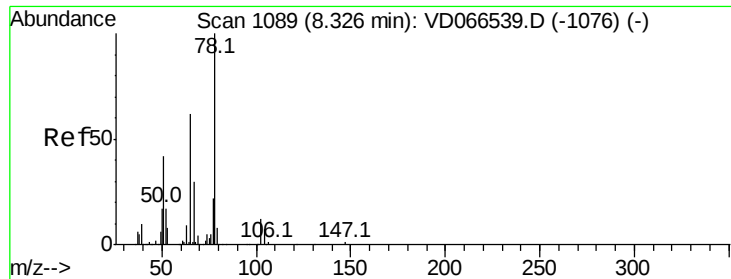
Tot Ion: 43 Resp: 1189
Ion Ratio Lower Upper
43 100
58 0.0 22.9 34.3#



#31
Cyclohexane
Concen: 1.451 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066660.D
Acq: 11 Sep 2020 20:36

Tgt Ion: 56 Resp: 11393
Ion Ratio Lower Upper
56 100
69 149.6 26.3 39.5#
84 107.7 66.1 99.1#





#33

1,2-Dichloroethane-d4

Concen: 52.310 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.00 min

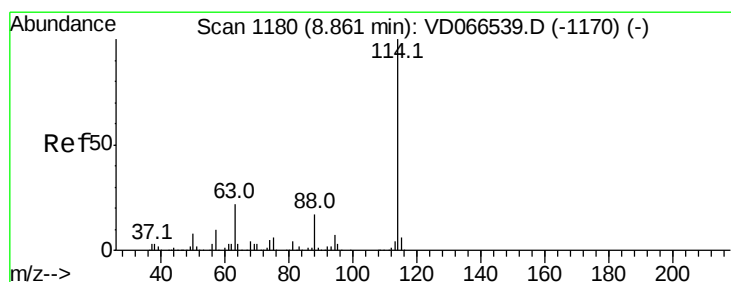
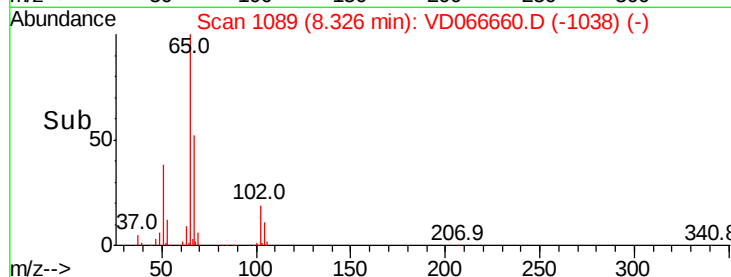
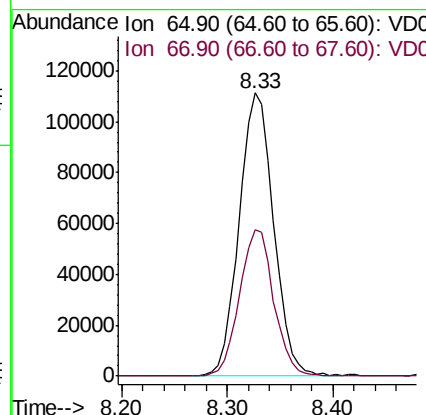
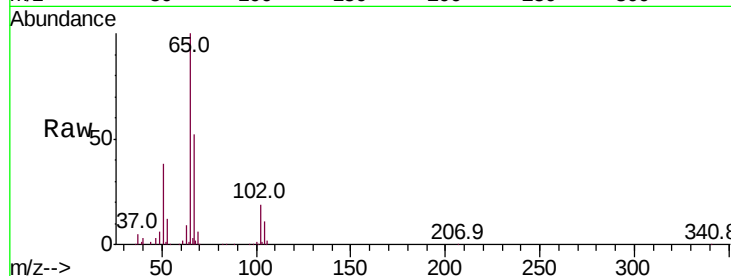
Lab File: VD066660.D

Acq: 11 Sep 2020 20:36

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 65 Resp: 251839

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

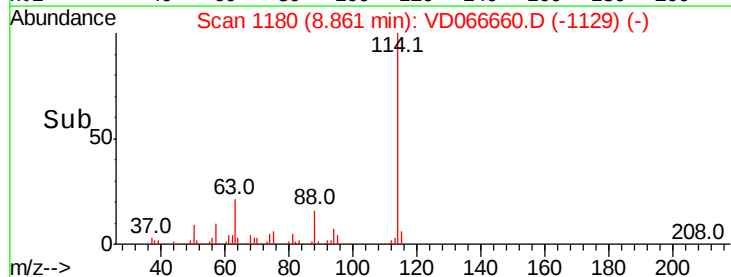
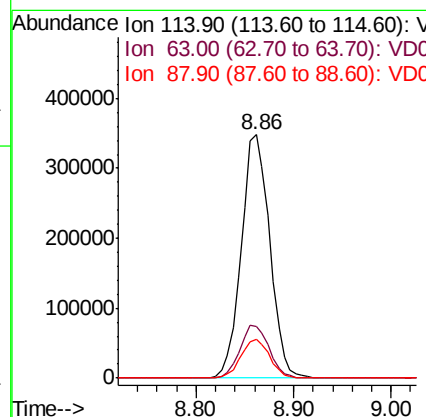
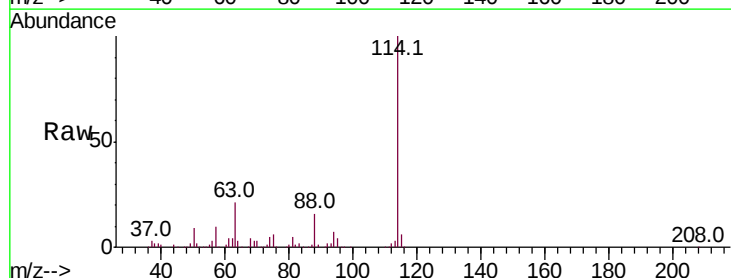
Delta R.T. -0.00 min

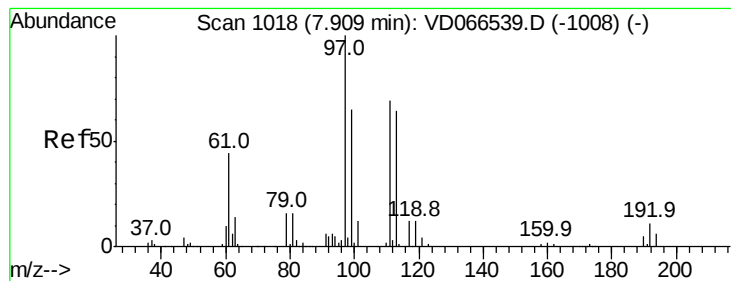
Lab File: VD066660.D

Acq: 11 Sep 2020 20:36

Tgt Ion: 114 Resp: 705891

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	43.2
88	15.9	0.0	33.2





#35

Dibromofluoromethane

Concen: 51.528 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066660.D

Acq: 11 Sep 2020 20:36

Instrument :

MSVOA_D

ClientSampled :

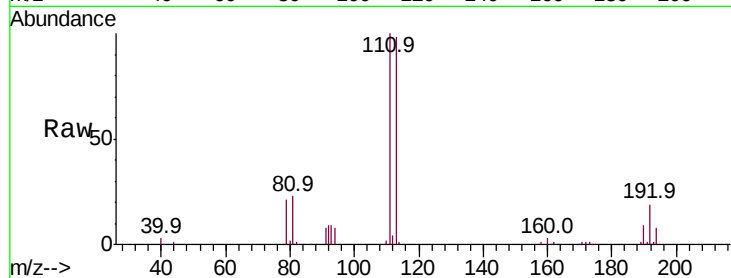
Tot Ion:113 Resp: 245377

Ion Ratio Lower Upper

113 100

111 100.0 83.2 124.8

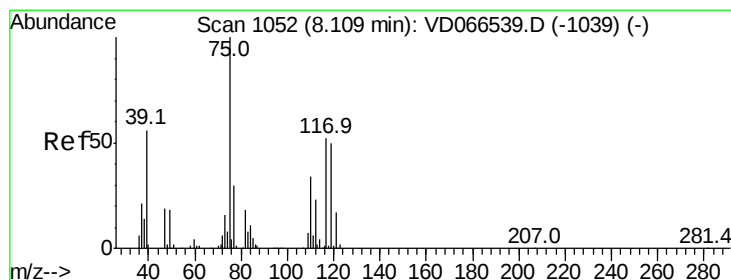
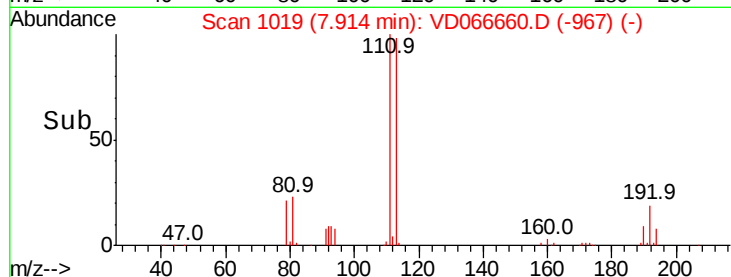
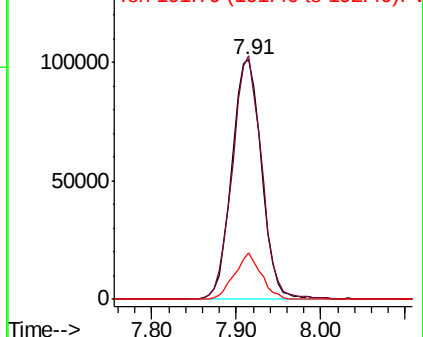
192 17.4 13.7 20.5



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: 5.093 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD066660.D

Acq: 11 Sep 2020 20:36

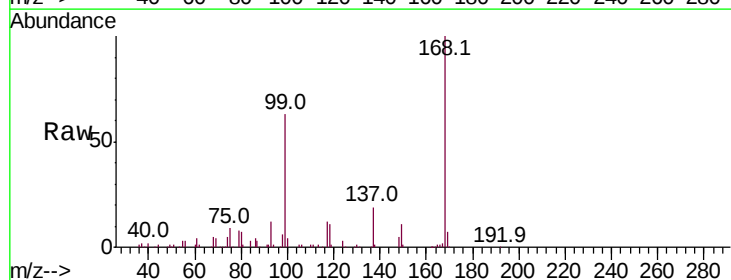
Tgt Ion: 75 Resp: 37417

Ion Ratio Lower Upper

75 100

110 11.3 17.3 52.0#

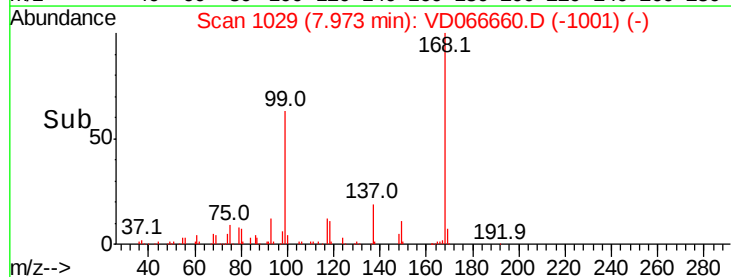
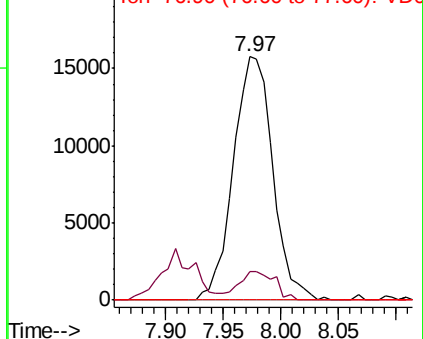
77 0.0 25.1 37.7#

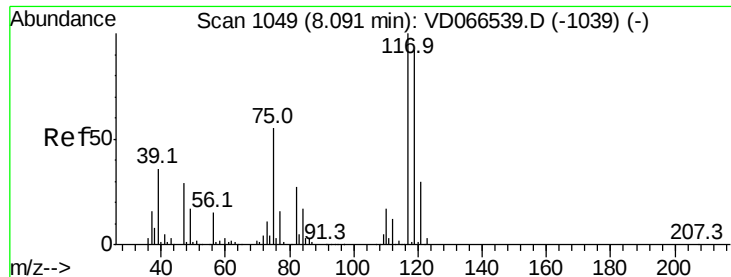


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.813 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066660.D

Acq: 11 Sep 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

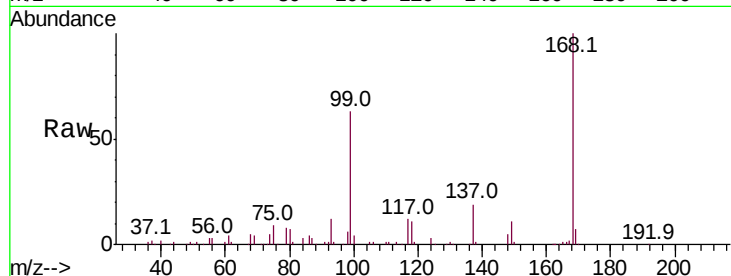
Tot Ion:117 Resp: 45140

Ion Ratio Lower Upper

117 100

119 8.4 73.9 110.9#

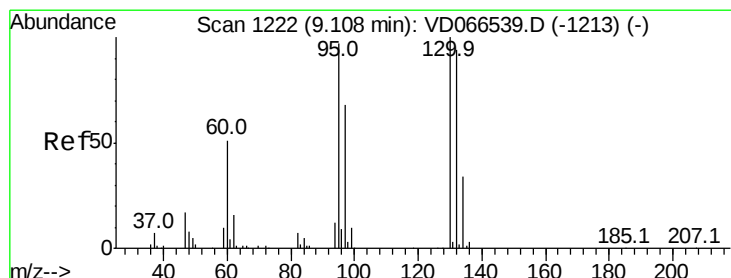
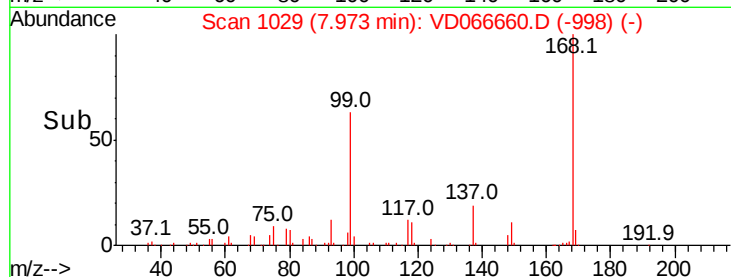
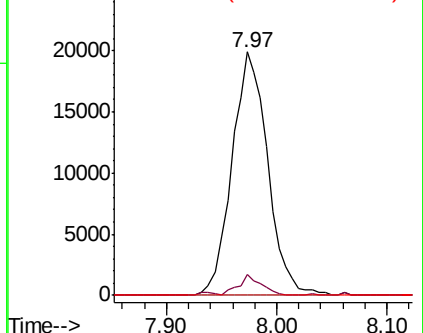
121 0.0 24.1 36.1#



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



#44

Trichloroethene

Concen: 1.774 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.01 min

Lab File: VD066660.D

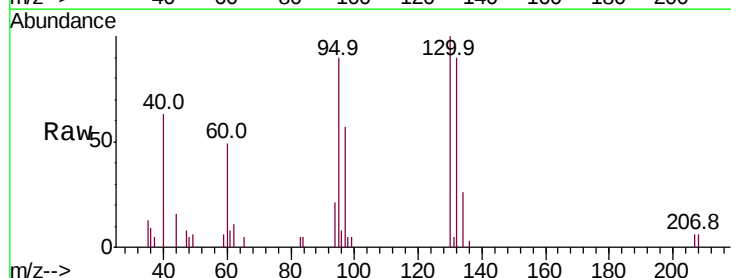
Acq: 11 Sep 2020 20:36

Tgt Ion:130 Resp: 9364

Ion Ratio Lower Upper

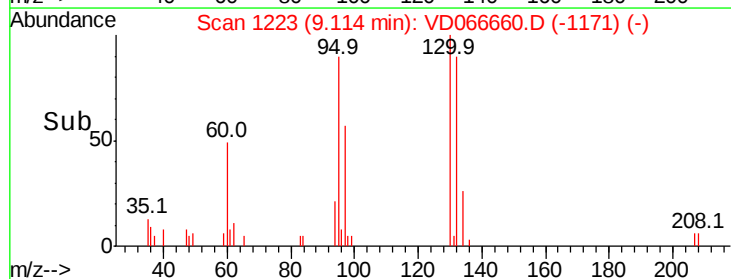
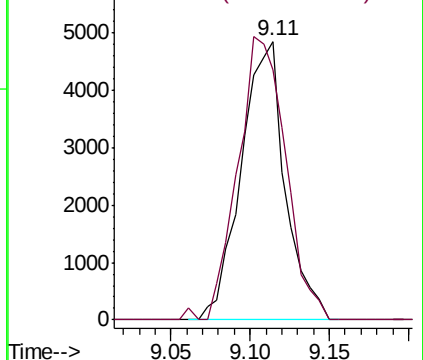
130 100

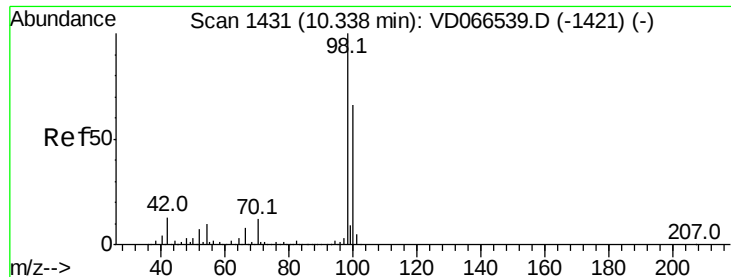
95 89.6 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V

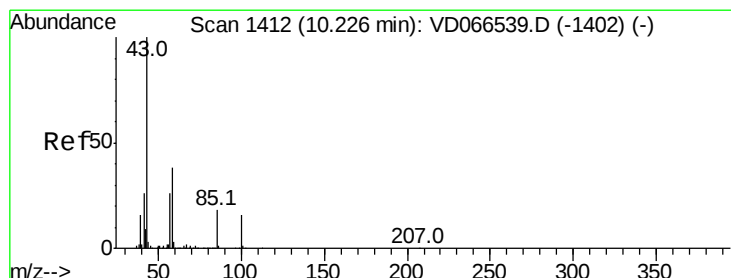
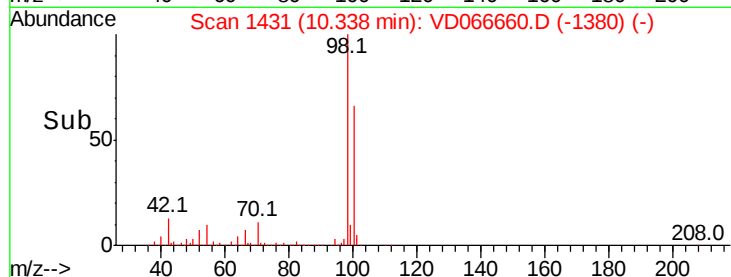
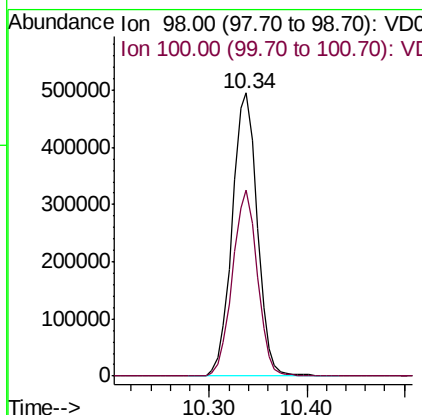
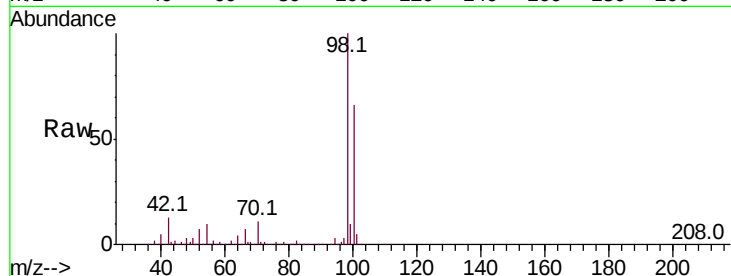




#50
Toluene-d8
Concen: 52.135 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066660.D
Acq: 11 Sep 2020 20:36

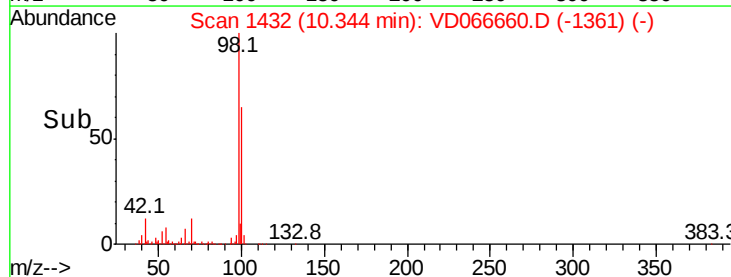
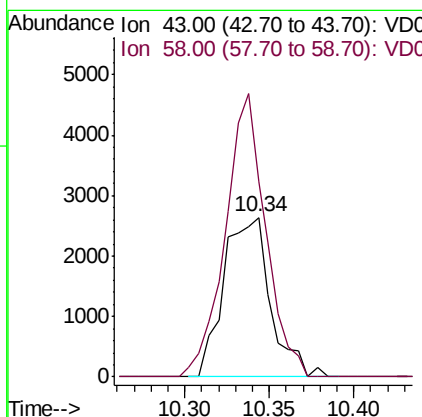
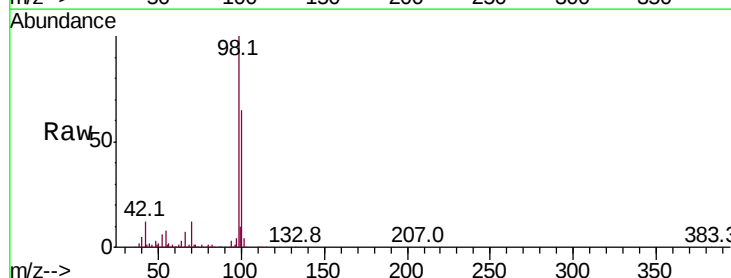
Instrument :
MSVOA_D
ClientSampled :

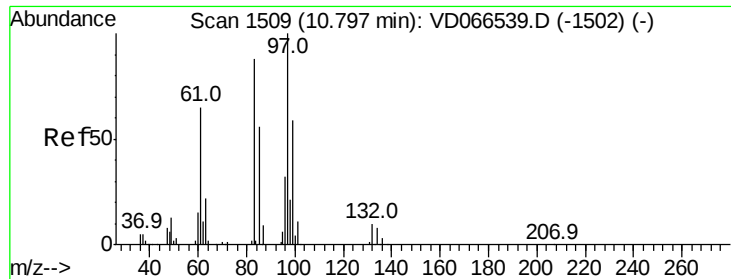
Tot Ion: 98 Resp: 887343
Ion Ratio Lower Upper
98 100
100 65.2 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 1.799 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.12 min
Lab File: VD066660.D
Acq: 11 Sep 2020 20:36

Tgt Ion: 43 Resp: 5087
Ion Ratio Lower Upper
43 100
58 152.7 30.5 45.7#





#55

1,1,2-Trichloroethane

Concen: 2.155 ug/l

RT: 10.87 min Scan# 1521

Delta R.T. 0.07 min

Lab File: VD066660.D

Acq: 11 Sep 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 7735

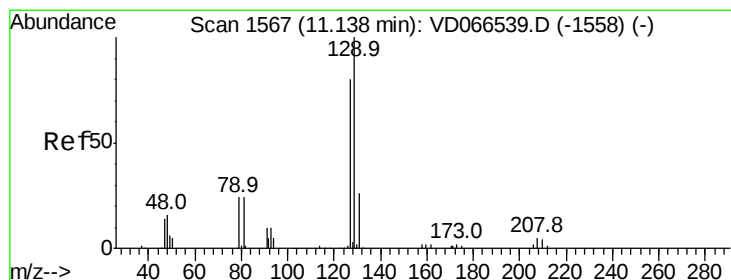
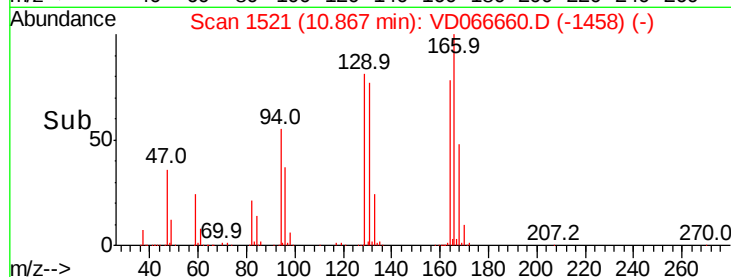
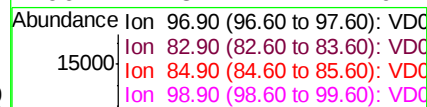
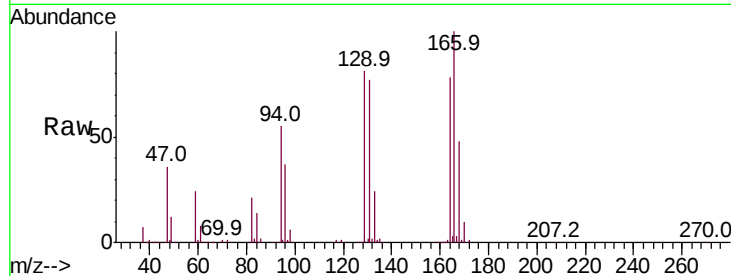
Ion Ratio Lower Upper

97 100

83 214.8 70.1 105.1#

85 51.8 44.5 66.7

99 12.8 47.1 70.7#



#60

Dibromochloromethane

Concen: 155.233 ug/l

RT: 10.87 min Scan# 1522

Delta R.T. -0.26 min

Lab File: VD066660.D

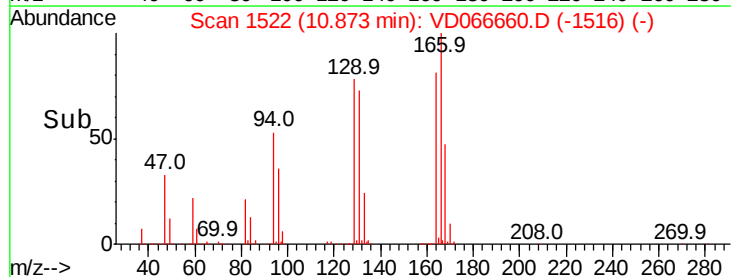
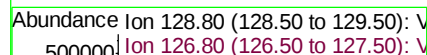
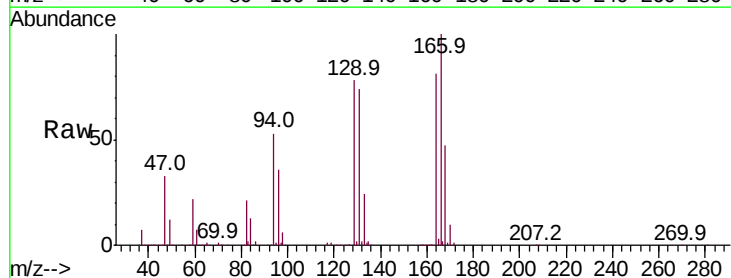
Acq: 11 Sep 2020 20:36

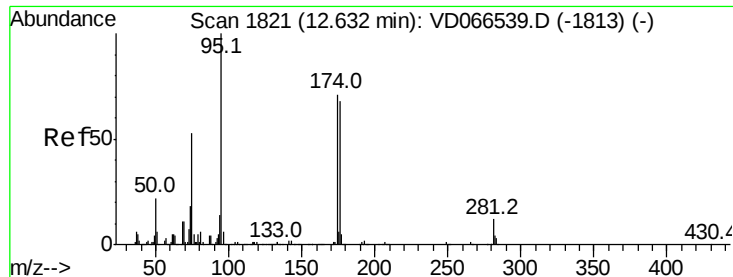
Tgt Ion: 129 Resp: 736762

Ion Ratio Lower Upper

129 100

127 0.1 39.5 118.3#

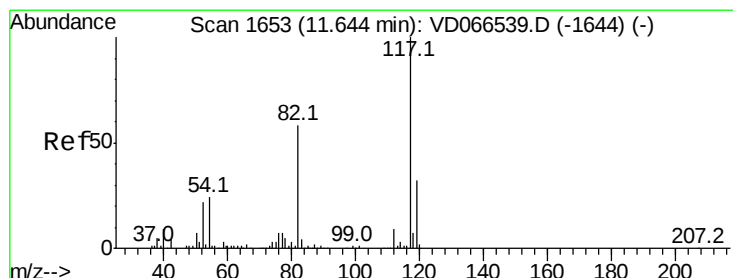
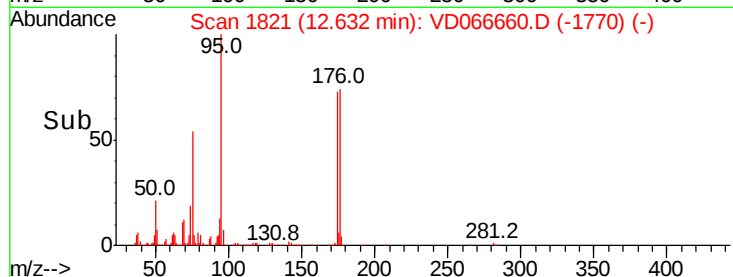
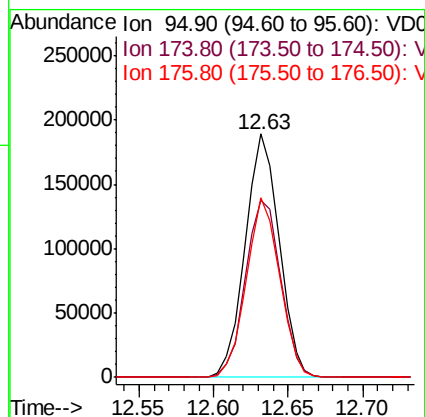
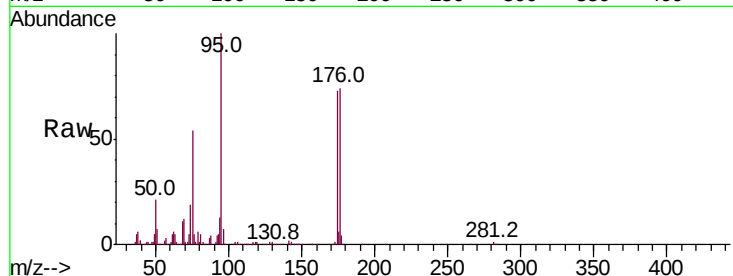




#62
4-Bromofluorobenzene
Concen: 52.971 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066660.D
Acq: 11 Sep 2020 20:36

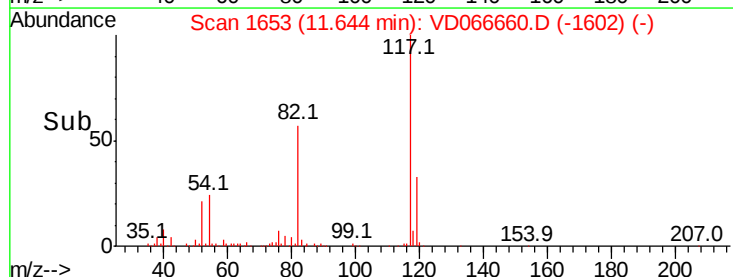
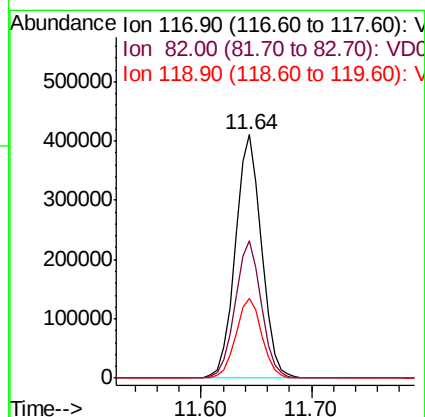
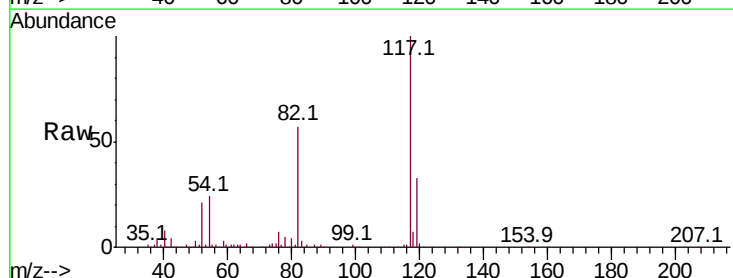
Instrument :
MSVOA_D
ClientSampleId :

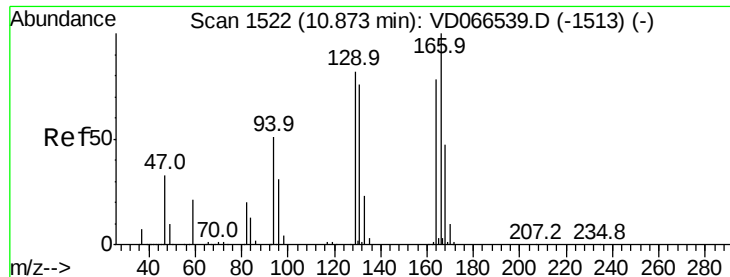
Tot Ion	Ratio	Lower	Upper
95	100		
174	75.4	0.0	155.8
176	72.4	0.0	148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066660.D
Acq: 11 Sep 2020 20:36

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.6	46.2	69.2
119	32.8	25.8	38.8

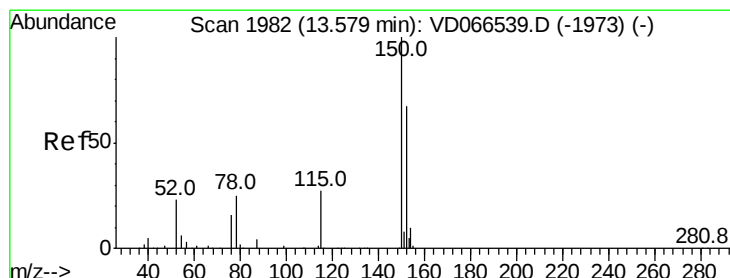
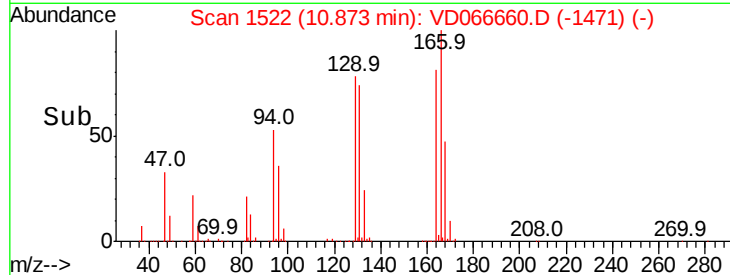
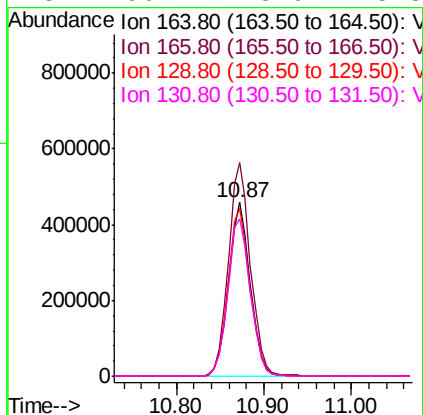
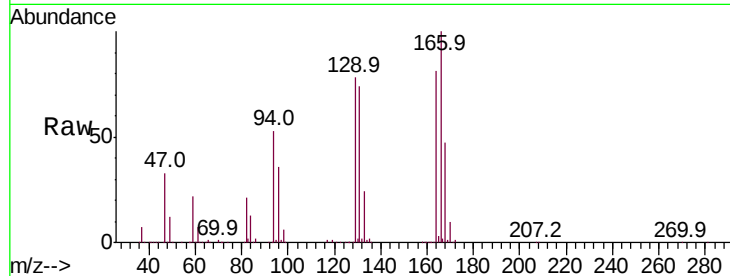




#64
Tetrachloroethene
Concen: 168.693 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066660.D
Acq: 11 Sep 2020 20:36

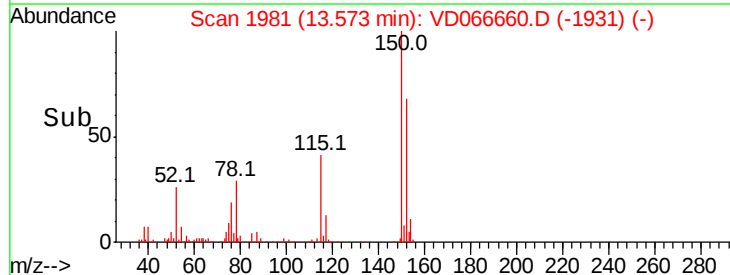
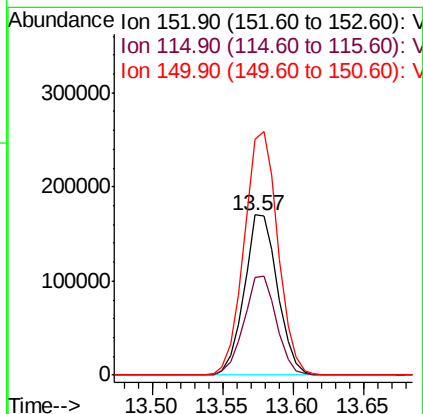
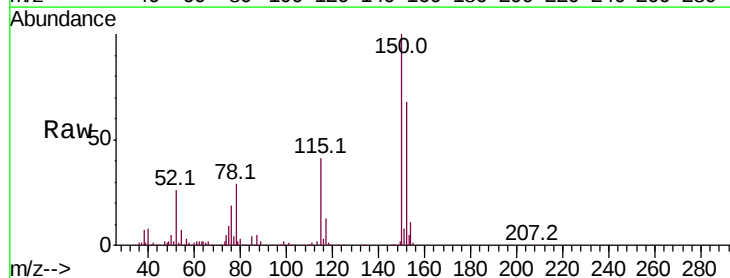
Instrument :
MSVOA_D
ClientSampled :

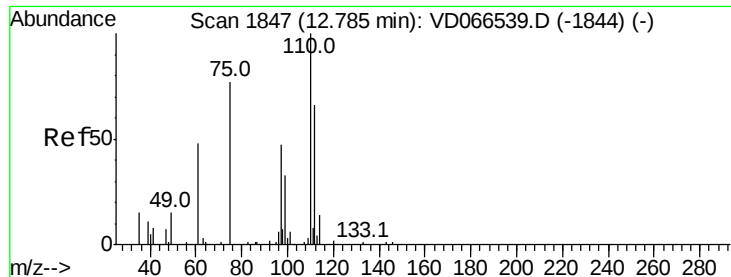
Tot Ion:	164	Resp:	773902
Ion	Ratio	Lower	Upper
164	100		
166	123.0	103.2	154.8
129	96.4	84.5	126.7
131	90.7	78.9	118.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1981
Delta R.T. -0.01 min
Lab File: VD066660.D
Acq: 11 Sep 2020 20:36

Tgt Ion:	152	Resp:	281192
Ion	Ratio	Lower	Upper
152	100		
115	60.4	30.4	91.2
150	154.1	0.0	345.8





#76

1,2,3-Trichloropropane

Concen: 61.695 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066660.D

Acq: 11 Sep 2020 20:36

Instrument :

MSVOA_D

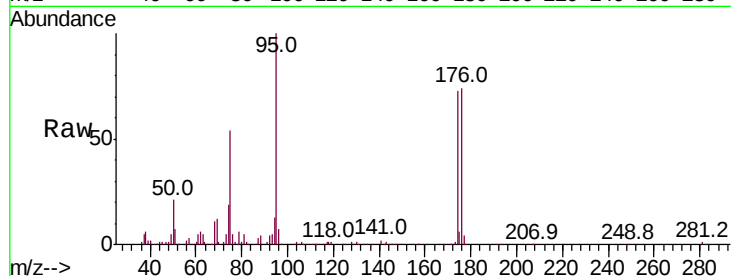
ClientSampled :

Tot Ion: 75 Resp: 166844

Ion Ratio Lower Upper

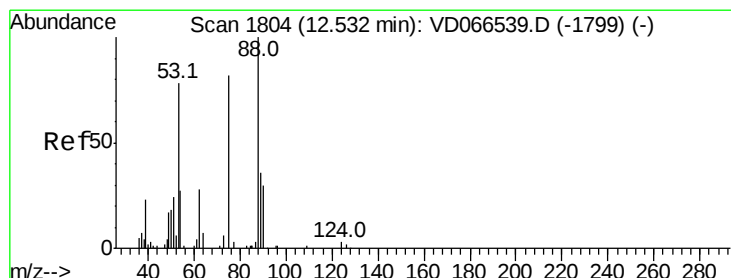
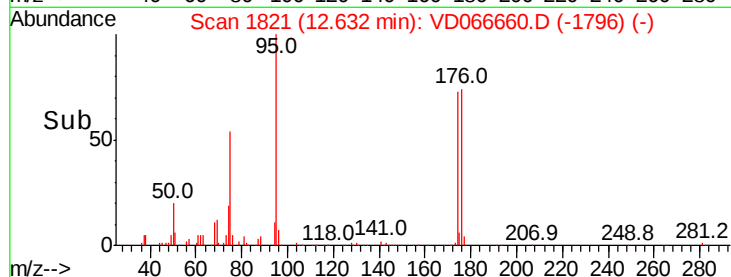
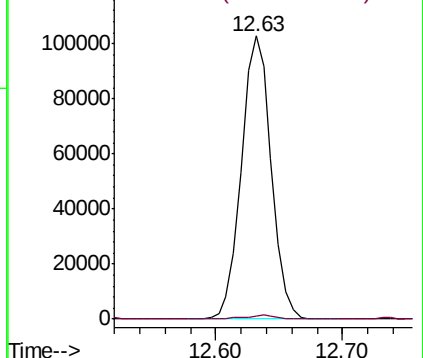
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 144.037 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066660.D

Acq: 11 Sep 2020 20:36

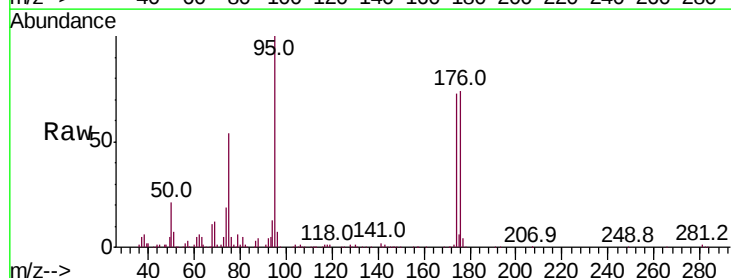
Tgt Ion: 75 Resp: 166844

Ion Ratio Lower Upper

75 100

53 0.1 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

