

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091420\
 Data File : VD066686.D
 Acq On : 14 Sep 2020 22:53
 Operator : VA/SY
 Sample : L3993-07
 Misc : 7.19G/5.00ml/MSVOA D/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 15 02:41:34 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

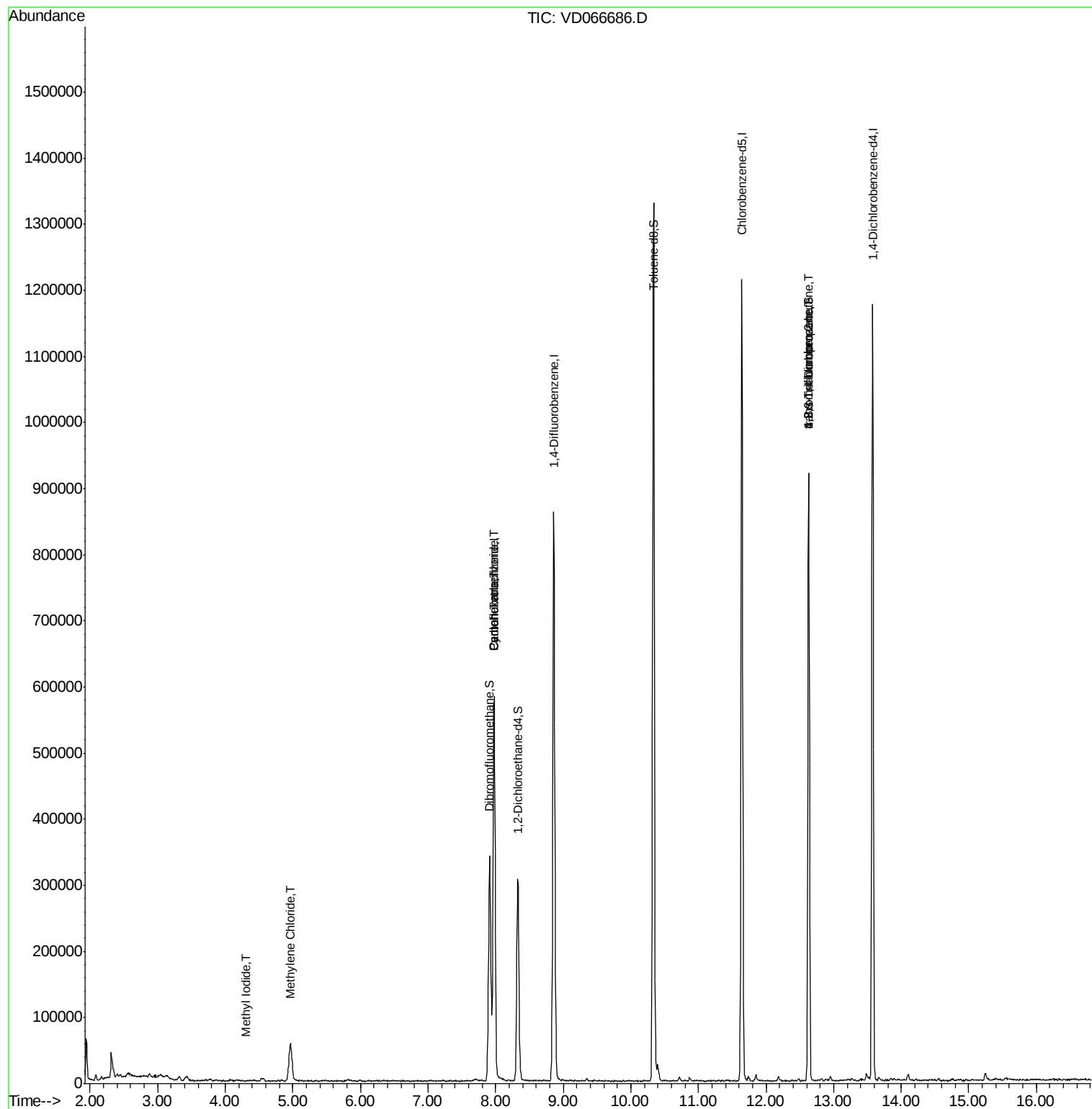
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	382119	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	701837	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	658669	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	280027	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	245308	53.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.12%	
35) Dibromofluoromethane	7.91	113	242133	51.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.28%	
50) Toluene-d8	10.34	98	860530	50.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.70%	
62) 4-Bromofluorobenzene	12.63	95	286042	50.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.96%	
Target Compounds						
2) Dichlorodifluoromethane	1.99	85	699	Below Cal		92
5) Bromomethane	2.78	94	606	Below Cal	#	59
10) Methyl Iodide	4.30	142	170	4.063	ug/l #	35
20) Methylene Chloride	4.96	84	41700	2.739	ug/l	85
31) Cyclohexane	7.97	56	11612	1.540	ug/l #	42
38) Carbon Tetrachloride	7.98	117	44324	5.741	ug/l #	18
76) 1,2,3-Trichloropropane	12.63	75	159420	59.195	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	159420	138.201	ug/l #	7

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091420\
Data File : VD066686.D
Acq On : 14 Sep 2020 22:53
Operator : VA/SY
Sample : L3993-07
Misc : 7.19G/5.00ml/MSVOA D/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Sep 15 02:41:34 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 04 01:57:04 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066686.D

Acq: 14 Sep 2020 22:53

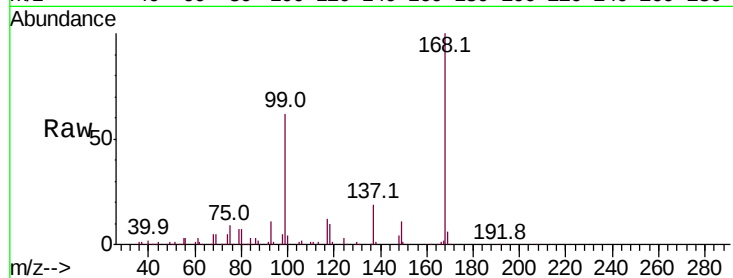
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 382119

Ion Ratio Lower Upper

168 100

99 61.6 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

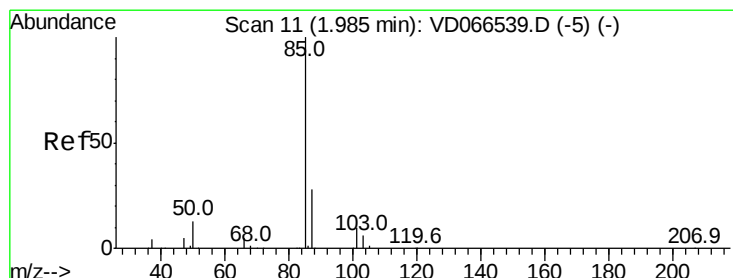
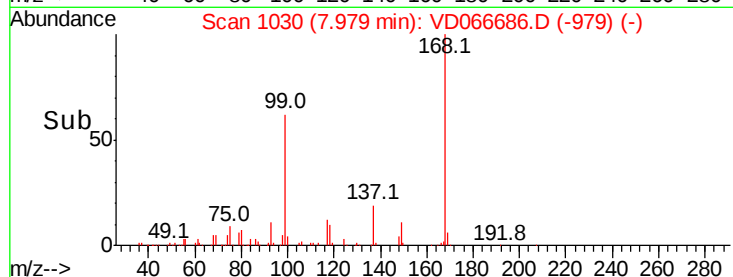
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066686.D

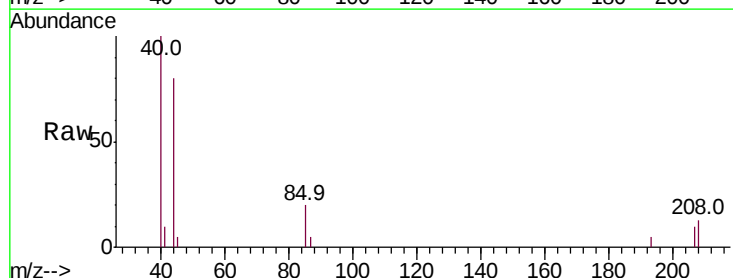
Acq: 14 Sep 2020 22:53

Tgt Ion: 85 Resp: 699

Ion Ratio Lower Upper

85 100

87 24.1 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

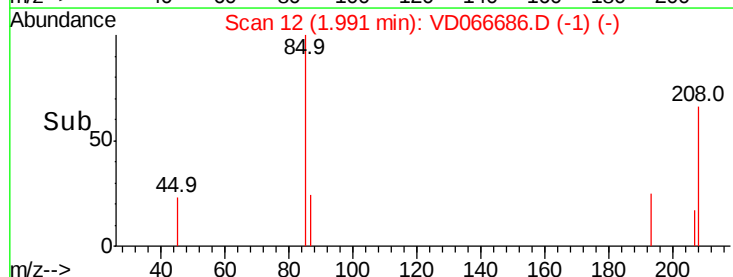
600

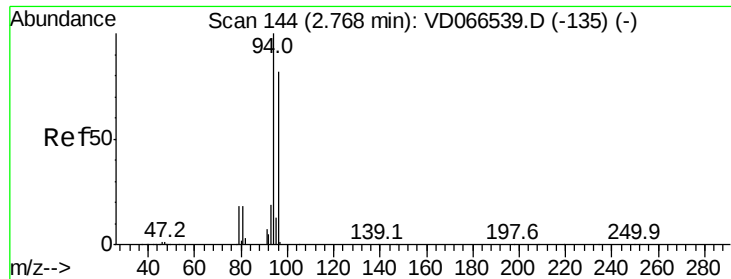
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD066686.D

Acq: 14 Sep 2020 22:53

Instrument :

MSVOA_D

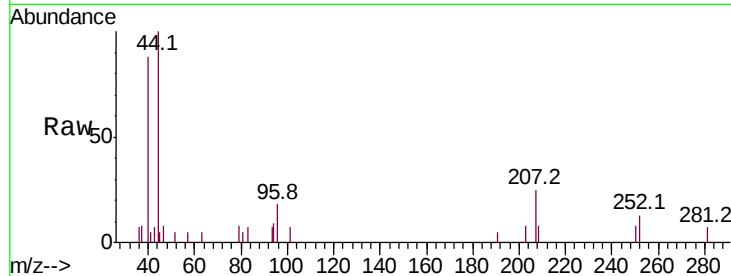
ClientSampled :

Tot Ion: 94 Resp: 606

Ion Ratio Lower Upper

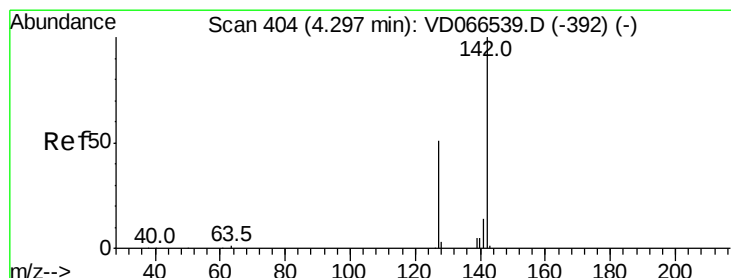
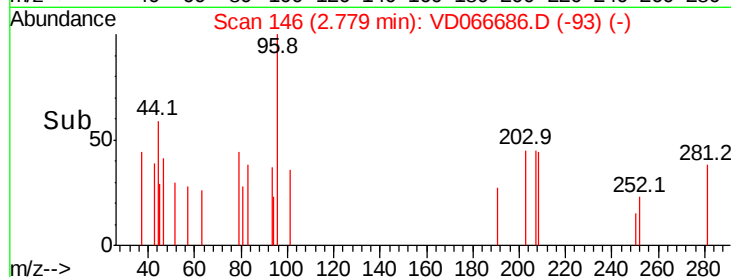
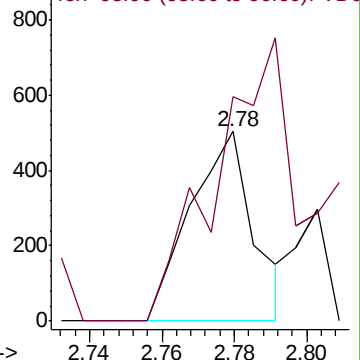
94 100

96 118.1 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: 4.063 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD066686.D

Acq: 14 Sep 2020 22:53

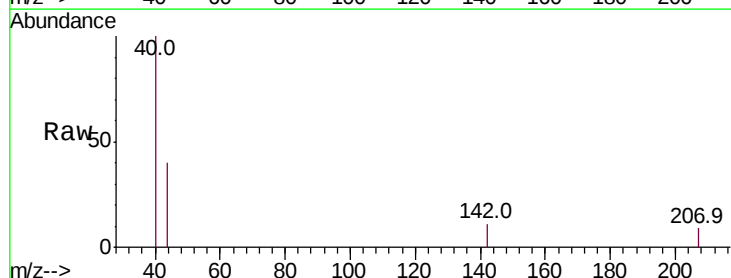
Tgt Ion: 142 Resp: 170

Ion Ratio Lower Upper

142 100

127 0.0 40.6 61.0#

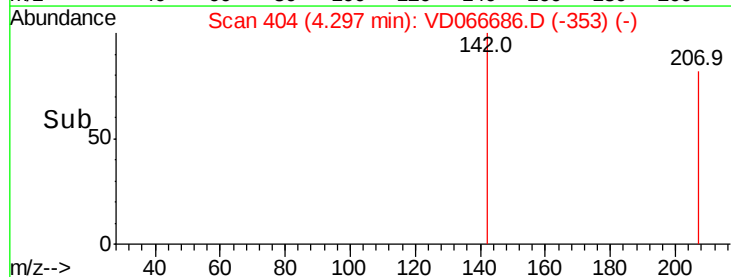
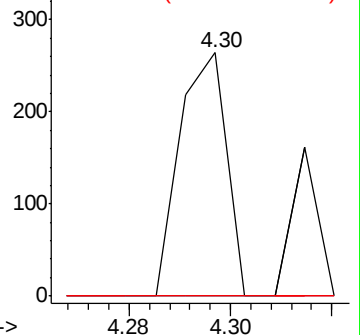
141 0.0 12.2 18.4#

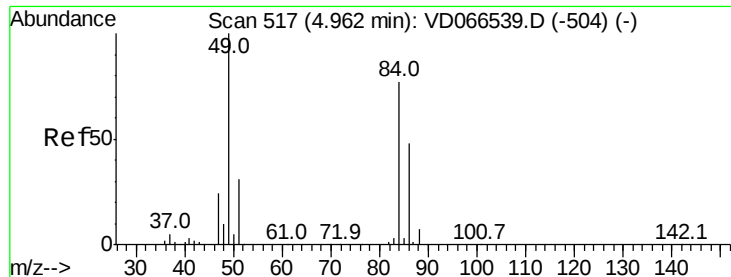


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

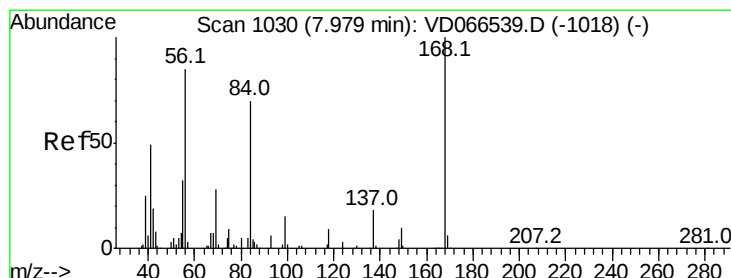
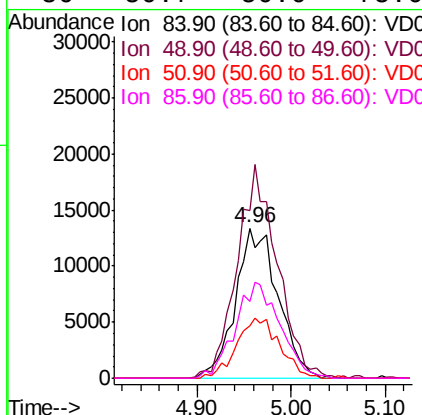
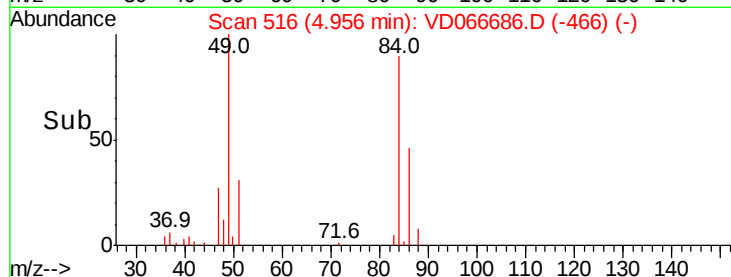
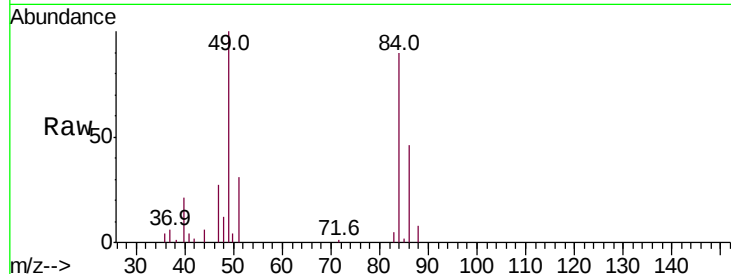




#20
Methvlene Chloride
Concen: 2.739 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD066686.D
Acq: 14 Sep 2020 22:53

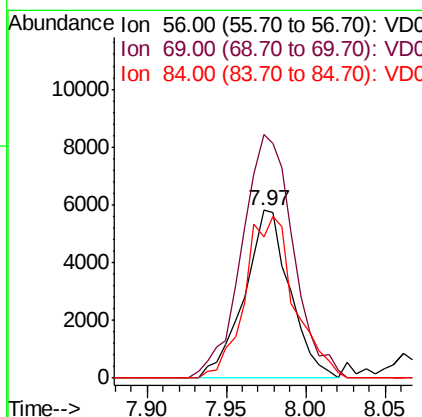
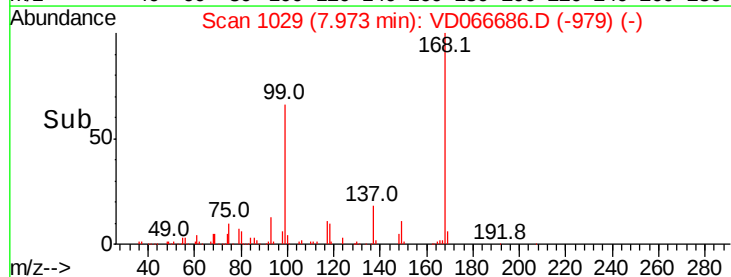
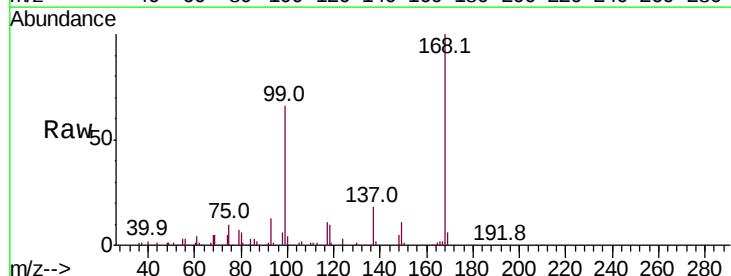
Instrument :
MSVOA_D
ClientSampled :

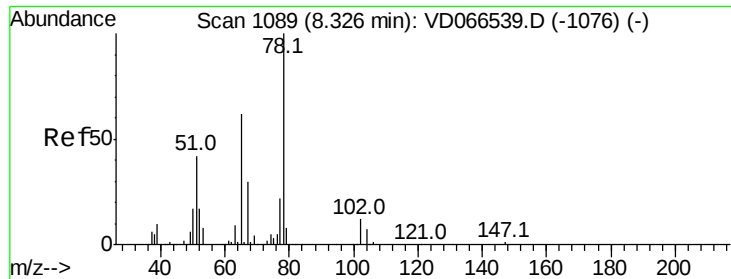
Tot Ion:	84	Resp:	41700
Ion	Ratio	Lower	Upper
84	100		
49	111.2	104.3	156.5
51	34.9	32.2	48.4
86	50.7	50.0	75.0



#31
Cyclohexane
Concen: 1.540 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066686.D
Acq: 14 Sep 2020 22:53

Tgt Ion:	56	Resp:	11612
Ion	Ratio	Lower	Upper
56	100		
69	145.4	26.3	39.5#
84	84.2	66.1	99.1





#33

1,2-Dichloroethane-d4

Concen: 53.059 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. 0.00 min

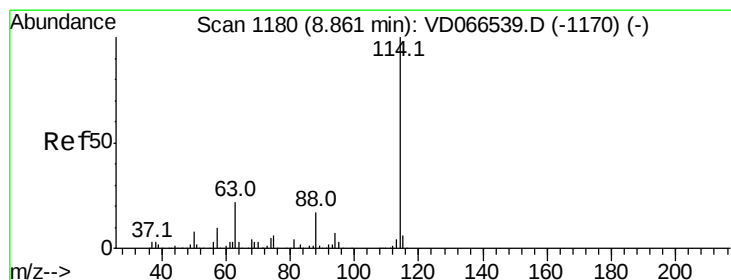
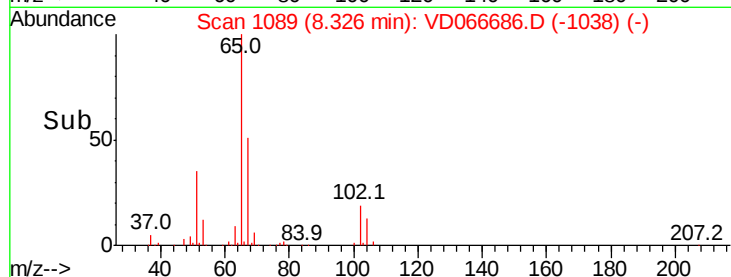
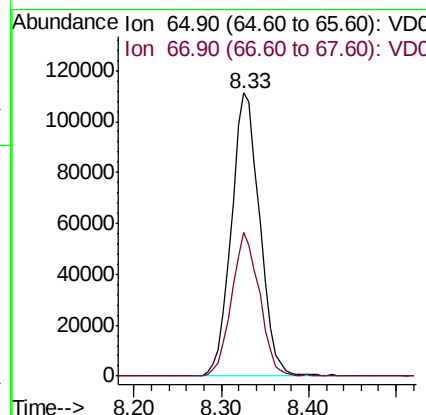
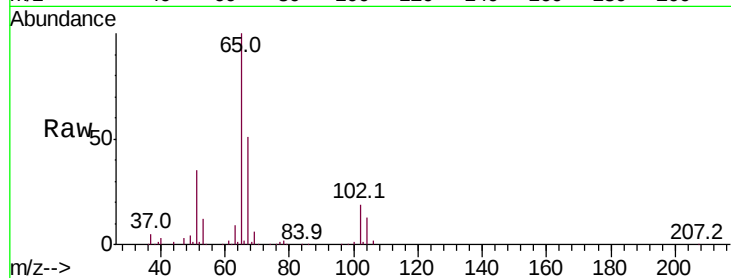
Lab File: VD066686.D

Acq: 14 Sep 2020 22:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 65 Resp: 245308

Ion	Ratio	Lower	Upper
65	100		
67	49.8	0.0	102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

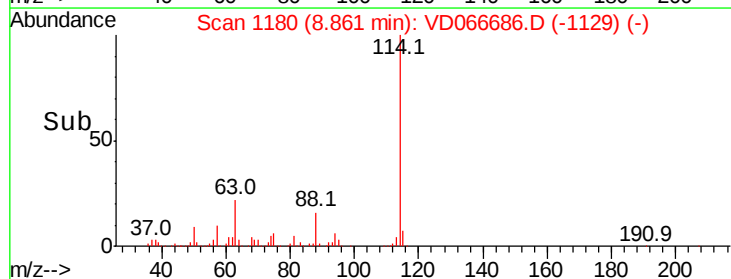
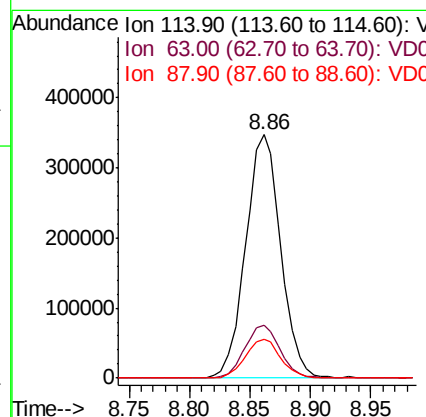
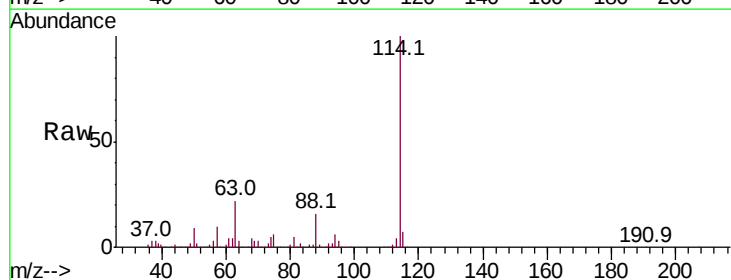
Delta R.T. 0.00 min

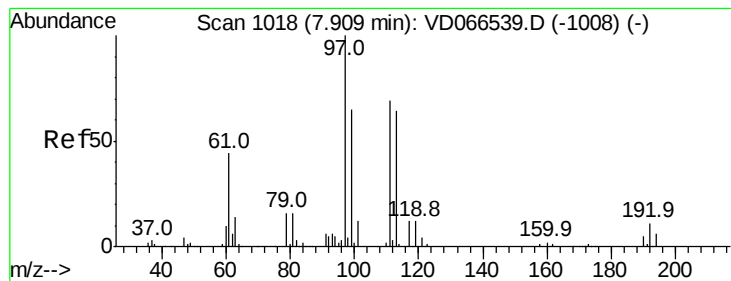
Lab File: VD066686.D

Acq: 14 Sep 2020 22:53

Tgt Ion: 114 Resp: 701837

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	43.2
88	16.2	0.0	33.2





#35

Dibromofluoromethane

Concen: 51.141 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD066686.D

Acq: 14 Sep 2020 22:53

Instrument :

MSVOA_D

ClientSampleId :

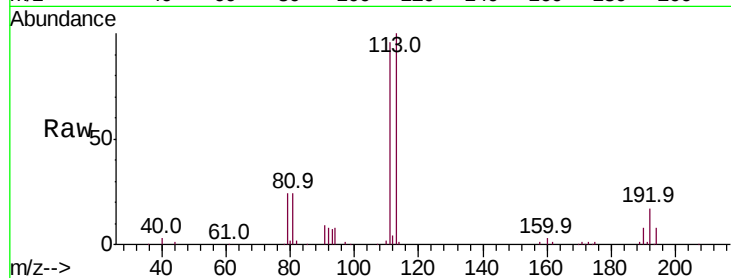
Tot Ion:113 Resp: 242133

Ion Ratio Lower Upper

113 100

111 101.7 83.2 124.8

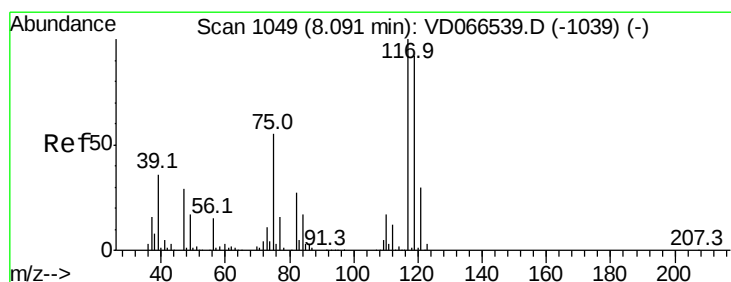
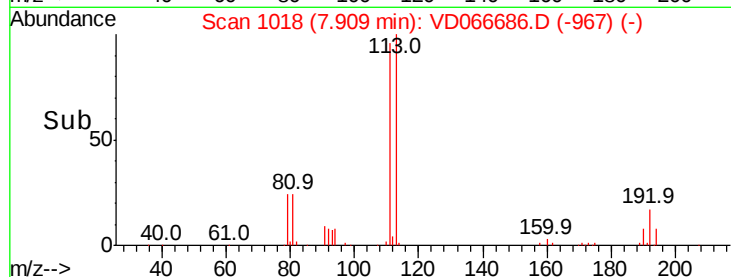
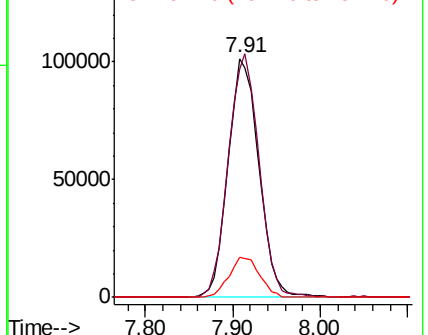
192 16.7 13.7 20.5



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: 5.741 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066686.D

Acq: 14 Sep 2020 22:53

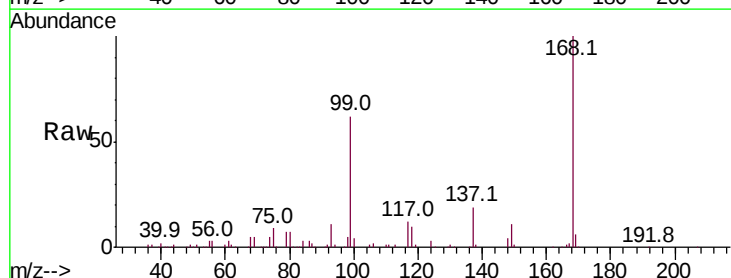
Tgt Ion:117 Resp: 44324

Ion Ratio Lower Upper

117 100

119 5.7 73.9 110.9#

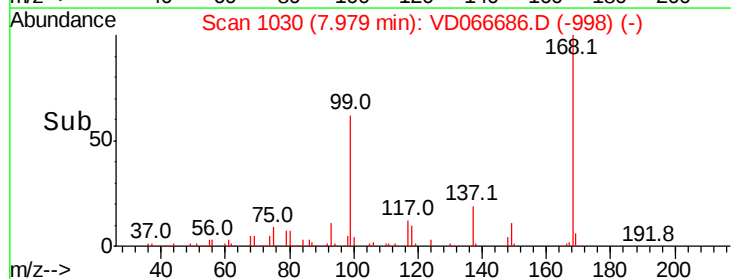
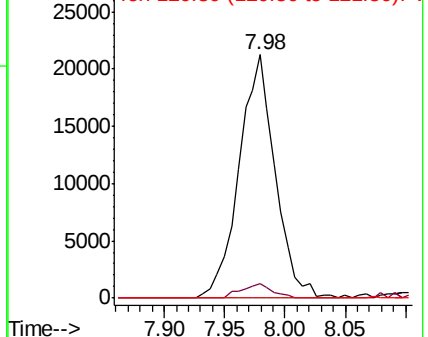
121 0.0 24.1 36.1#

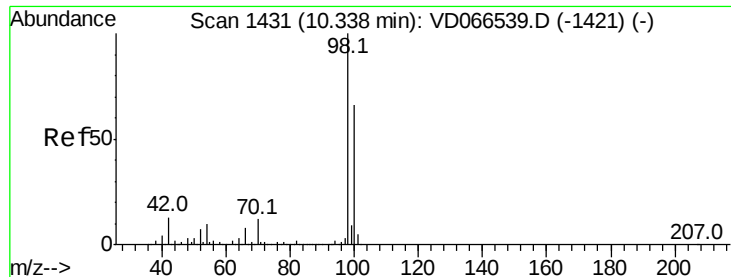


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

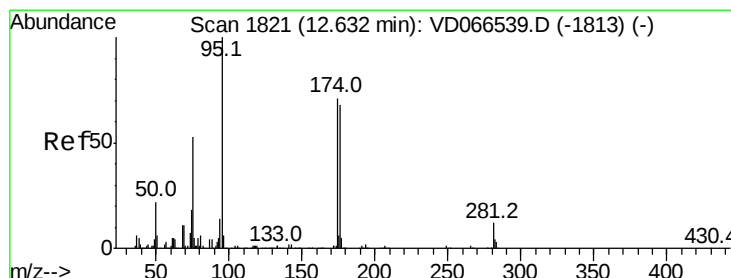
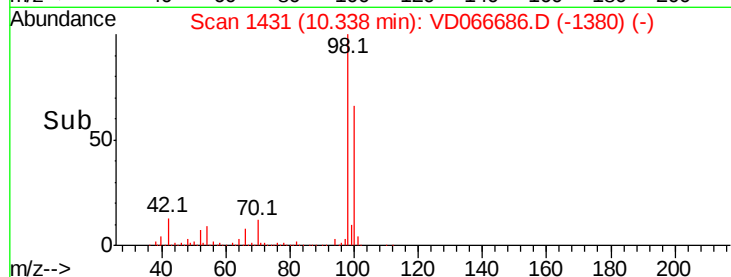
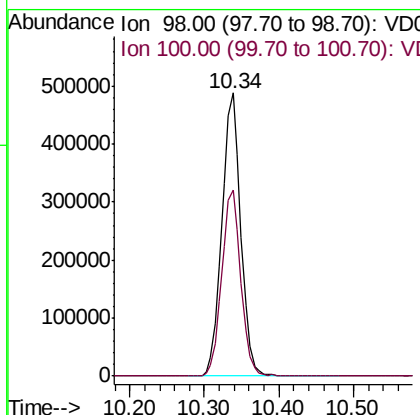
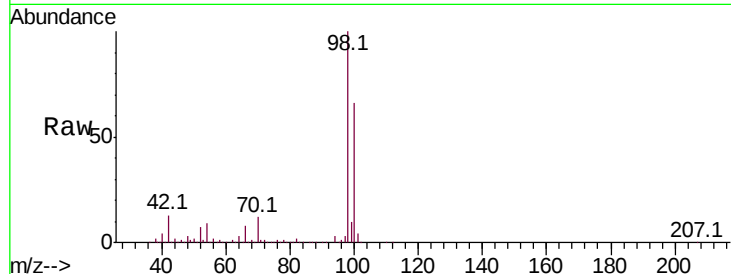




#50
Toluene-d8
Concen: 50.852 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066686.D
Acq: 14 Sep 2020 22:53

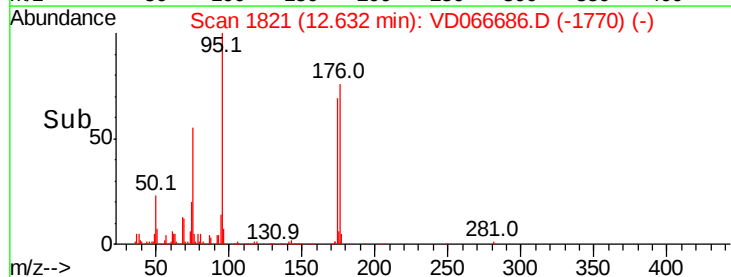
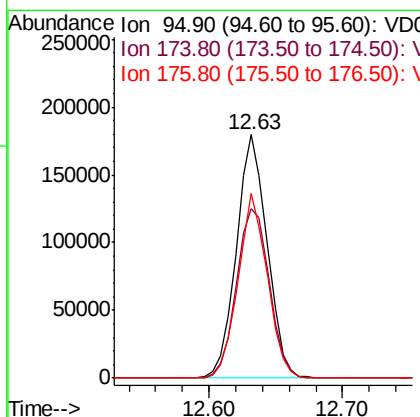
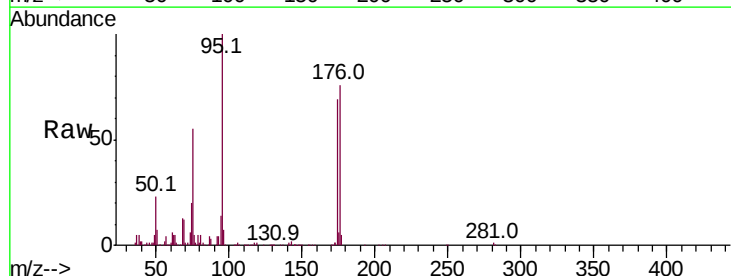
Instrument :
MSVOA_D
ClientSampled :

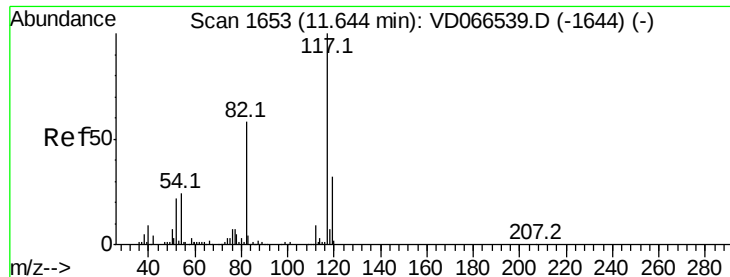
Tot Ion: 98 Resp: 860530
Ion Ratio Lower Upper
98 100
100 66.3 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 50.976 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066686.D
Acq: 14 Sep 2020 22:53

Tgt Ion: 95 Resp: 286042
Ion Ratio Lower Upper
95 100
174 74.4 0.0 155.8
176 72.2 0.0 148.6

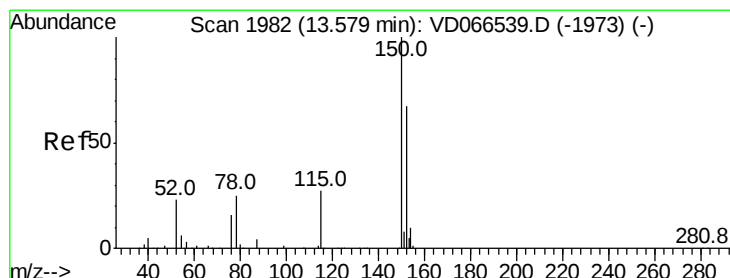
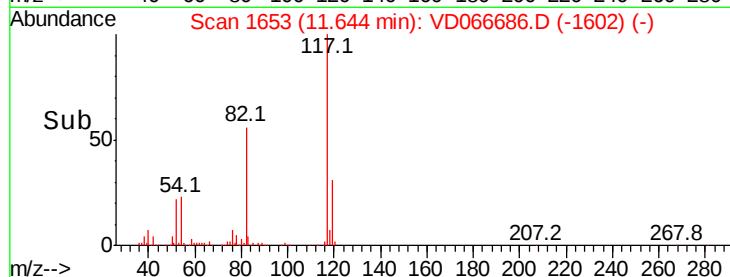
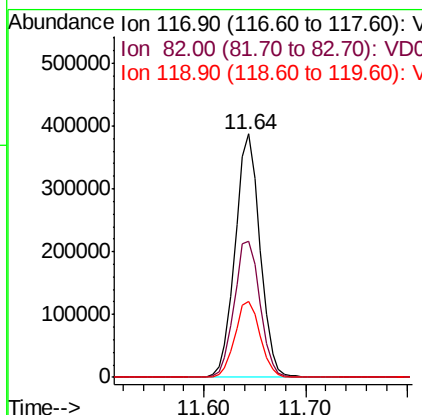
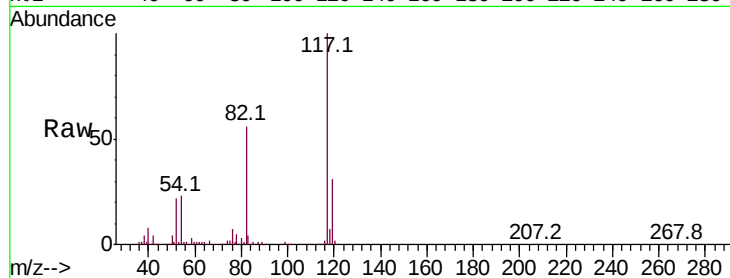




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066686.D
Acq: 14 Sep 2020 22:53

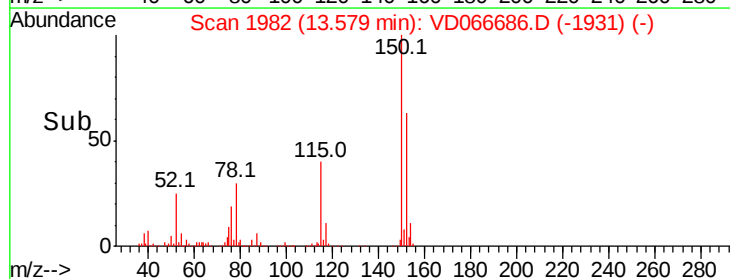
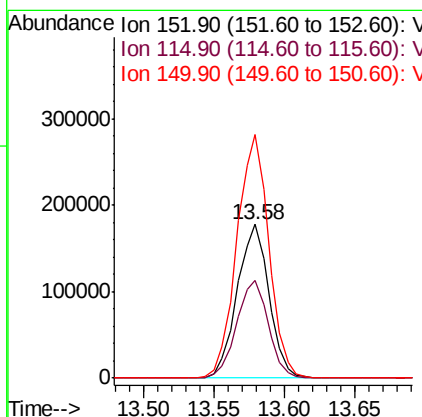
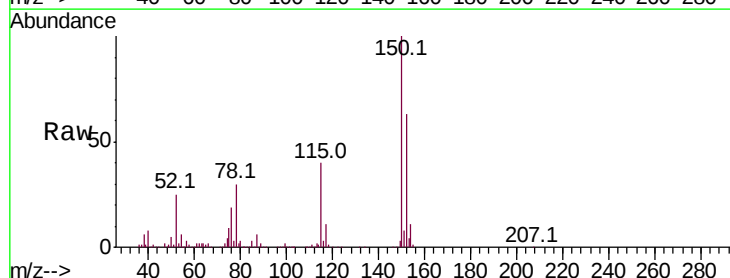
Instrument :
MSVOA_D
ClientSampleId :

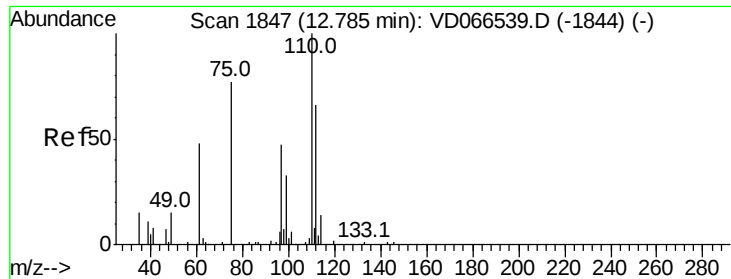
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	46.2	69.2
119	31.1	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066686.D
Acq: 14 Sep 2020 22:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.9	30.4	91.2
150	158.6	0.0	345.8





#76

1,2,3-Trichloropropane

Concen: 59.195 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066686.D

Acq: 14 Sep 2020 22:53

Instrument :

MSVOA_D

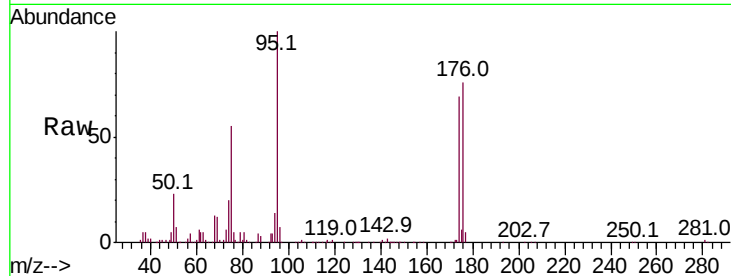
ClientSampled :

Tot Ion: 75 Resp: 159420

Ion Ratio Lower Upper

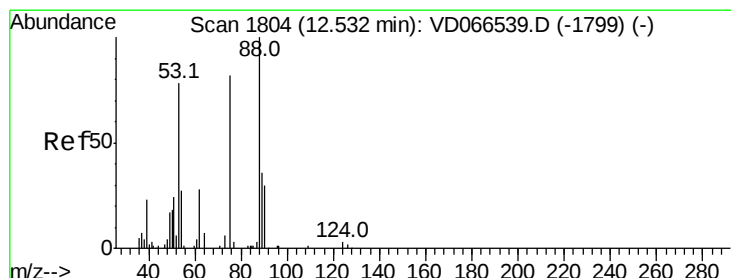
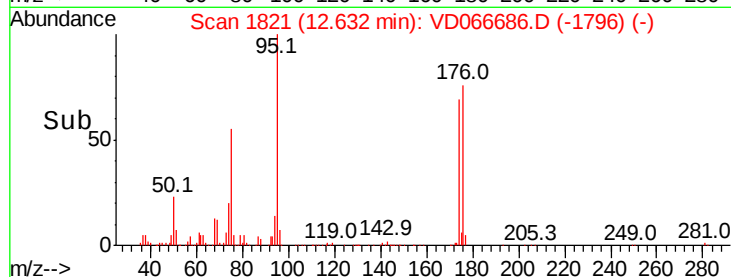
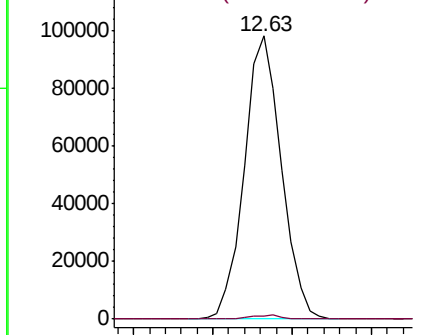
75 100

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: 138.201 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066686.D

Acq: 14 Sep 2020 22:53

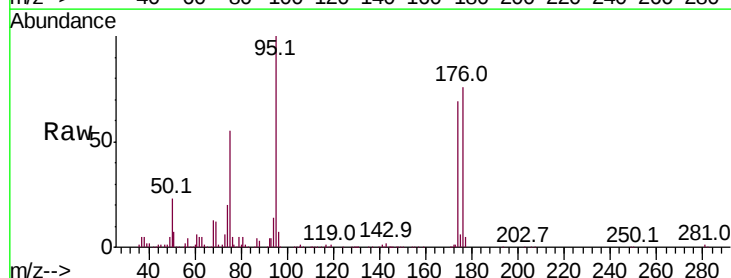
Tgt Ion: 75 Resp: 159420

Ion Ratio Lower Upper

75 100

53 0.2 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

