

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061220\
 Data File : VD065793.D
 Acq On : 12 Jun 2020 13:44
 Operator : VA/SY
 Sample : L2808-01RE
 Misc : 6.59G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 13 01:39:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 13:07:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	156227	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	261043	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	211955	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	83053	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	78081	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
35) Dibromofluoromethane	7.91	113	76303	46.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.56%	
50) Toluene-d8	10.34	98	248876	40.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.96%	
62) 4-Bromofluorobenzene	12.64	95	75702	36.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.60%	

Target Compounds

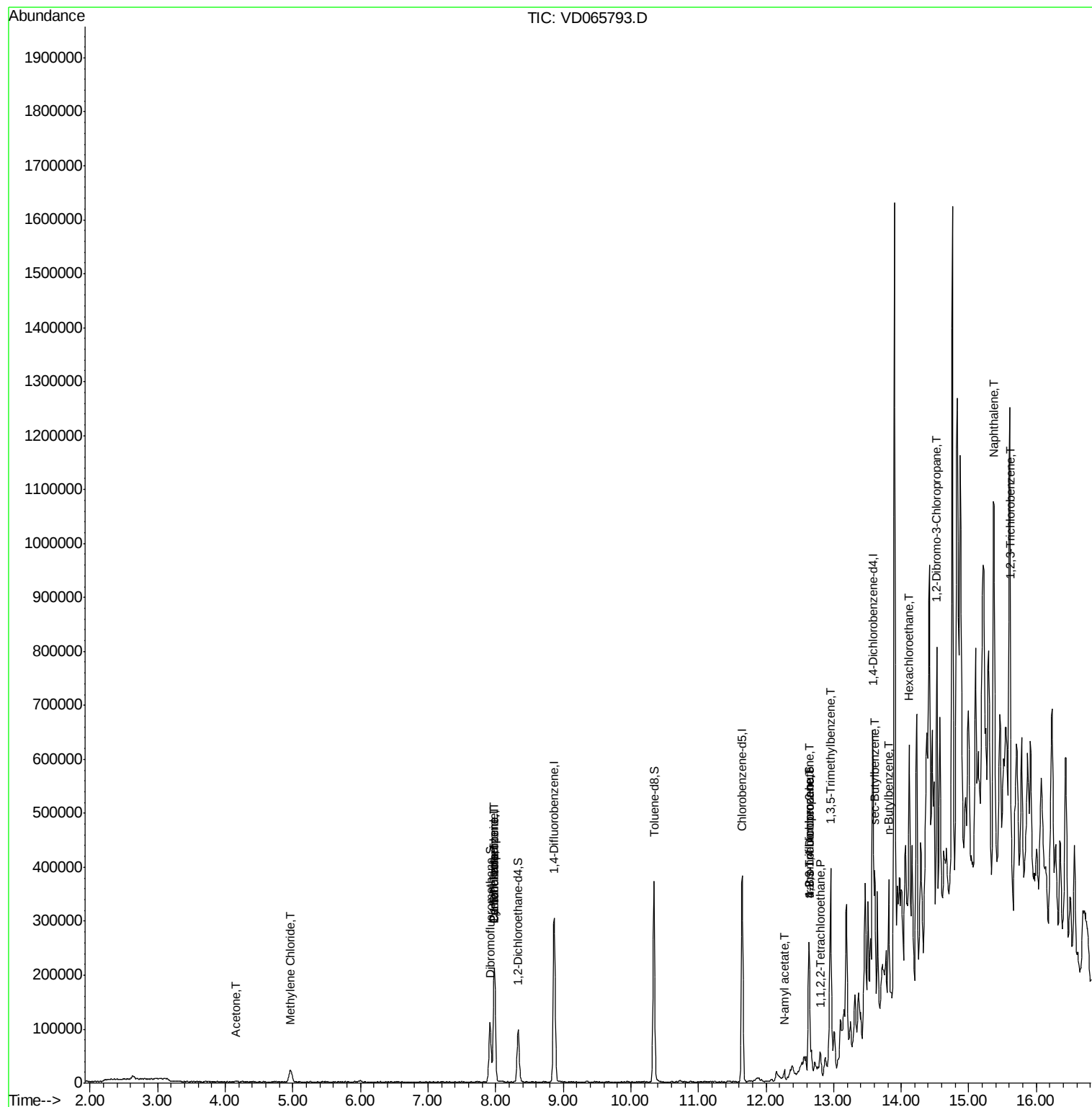
						Qvalue
2) Dichlorodifluoromethane	1.99	85	60	Below Cal	#	42
3) Chloromethane	2.21	50	393	Below Cal	#	43
16) Acetone	4.16	43	1762	6.051	ug/l #	47
18) Methyl Acetate	4.77	43	64	Below Cal	#	52
20) Methylene Chloride	4.96	84	16161	6.587	ug/l	94
31) Cyclohexane	7.98	56	4715	1.703	ug/l #	47
36) 1,1-Dichloropropene	7.98	75	12553	5.020	ug/l #	52
38) Carbon Tetrachloride	7.99	117	15446	5.869	ug/l #	16
74) N-amyl acetate	12.27	43	4140	3.342	ug/l #	68
75) 1,1,2,2-Tetrachloroethane	12.81	83	2541	2.702	ug/l #	25
76) 1,2,3-Trichloropropane	12.64	75	40286	62.370	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.96	105	29602	6.388	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.64	75	40286	134.759	ug/l #	10
85) sec-Butylbenzene	13.61	105	140225	25.060	ug/l #	55
89) n-Butylbenzene	13.81	91	28014	5.727	ug/l #	1
90) Hexachloroethane	14.12	117	14329	13.958	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.53	75	1369	8.747	ug/l #	29
95) Naphthalene	15.37	128	7257	2.818	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.62	180	4007	3.061	ug/l #	27

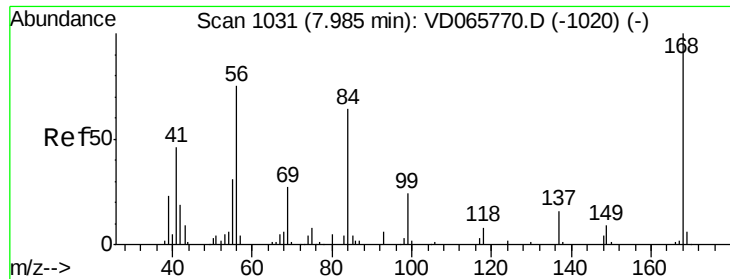
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jun 05 13:07:30 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065793.D

Acq: 12 Jun 2020 13:44

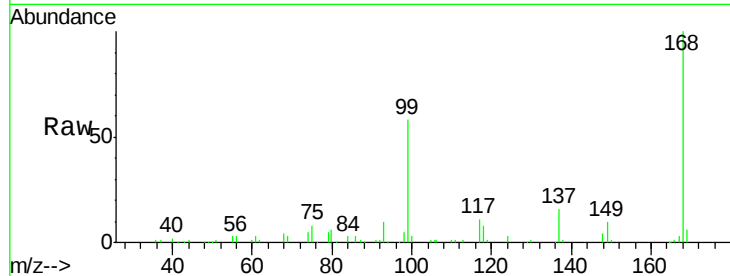
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 156227

Ion Ratio Lower Upper

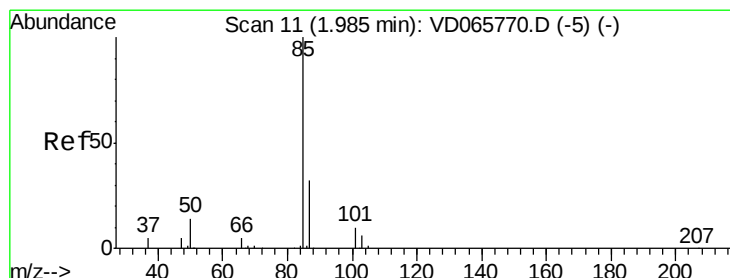
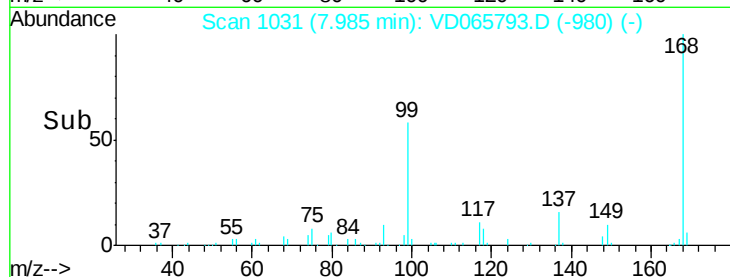
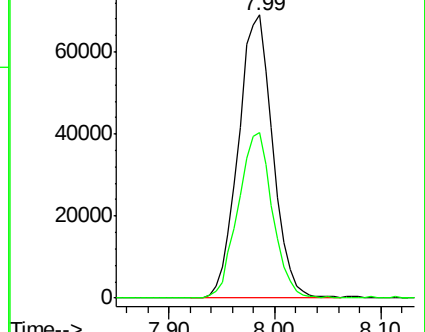
168 100

99 58.3 45.3 67.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD065793.D

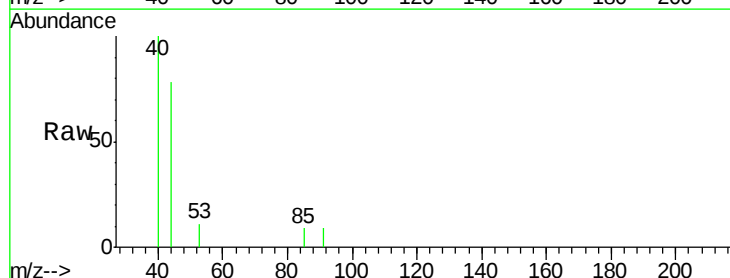
Acq: 12 Jun 2020 13:44

Tgt Ion: 85 Resp: 60

Ion Ratio Lower Upper

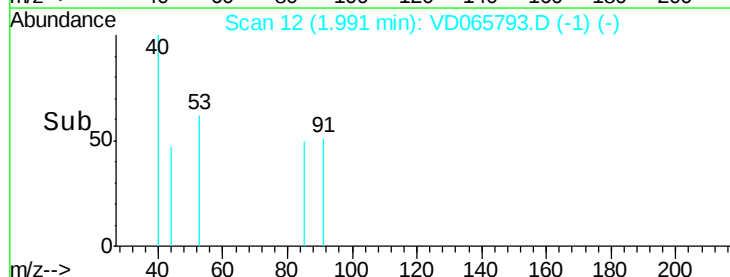
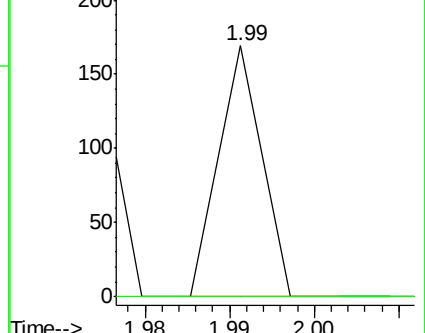
85 100

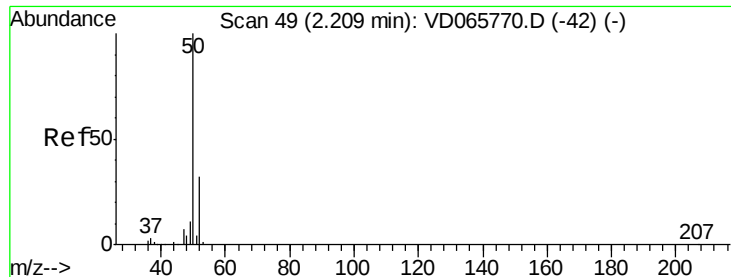
87 0.0 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065793.D

Acq: 12 Jun 2020 13:44

Instrument :

MSVOA_D

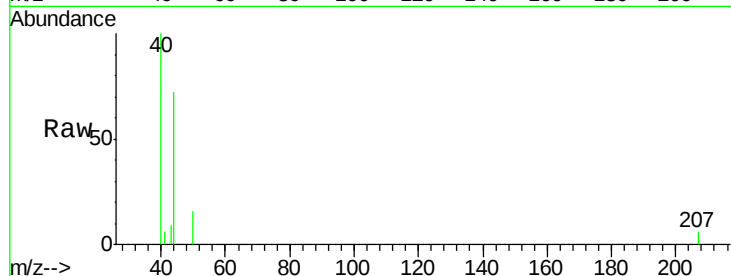
ClientSampleId :

Tot Ion: 50 Resp: 393

Ion Ratio Lower Upper

50 100

52 0.0 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

400

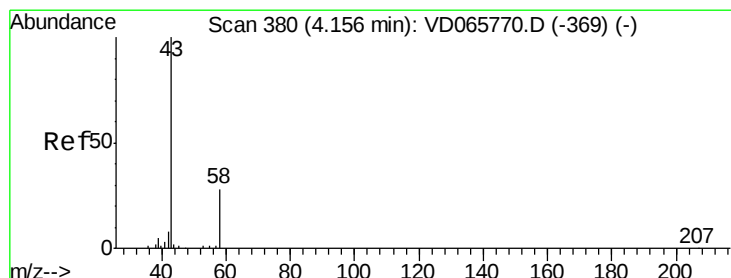
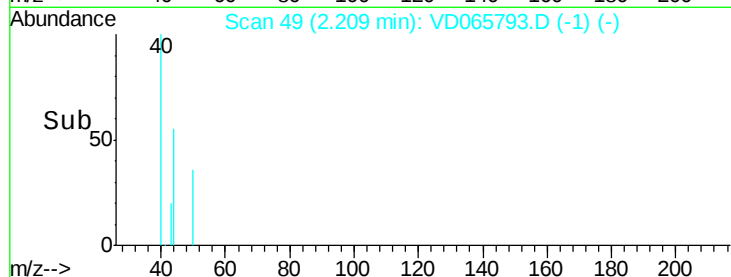
300

200

100

0

Time--> 2.18 2.20 2.22 2.24



#16

Acetone

Concen: 6.051 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD065793.D

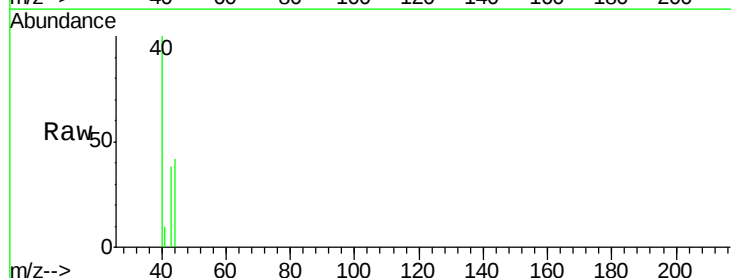
Acq: 12 Jun 2020 13:44

Tgt Ion: 43 Resp: 1762

Ion Ratio Lower Upper

43 100

58 0.0 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

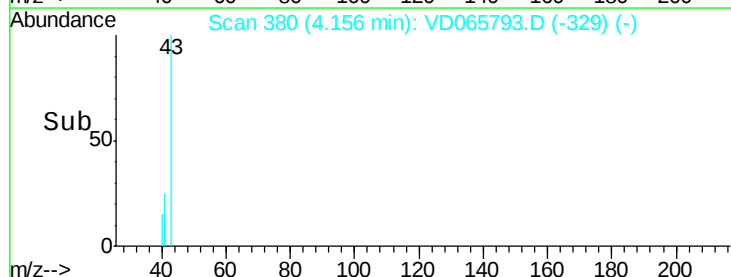
600

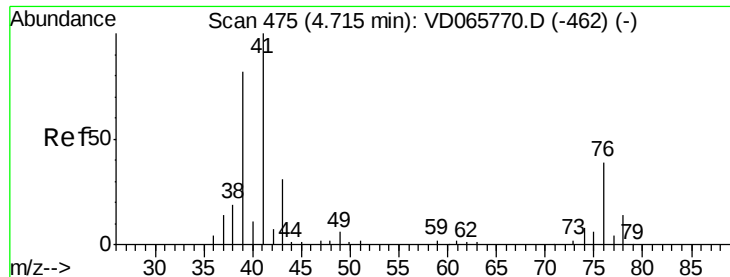
400

200

0

Time--> 4.10 4.15 4.20 4.25

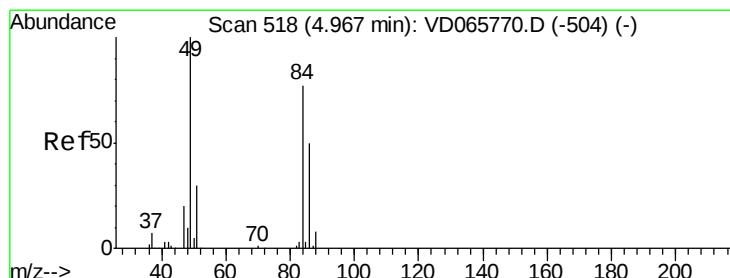
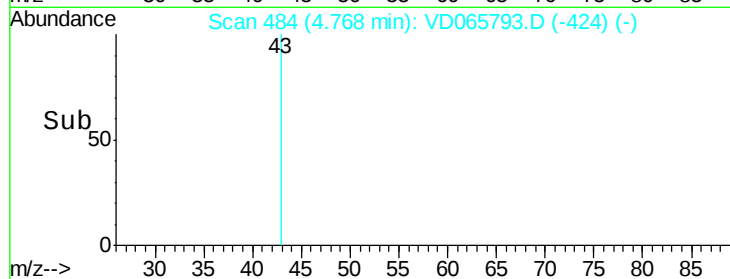
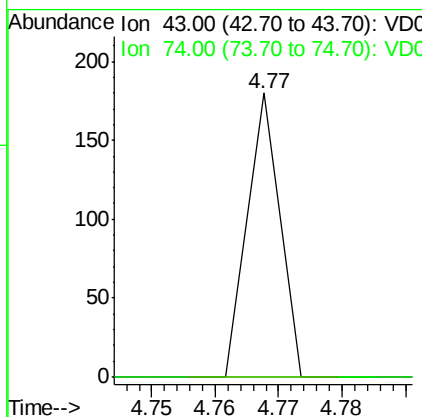
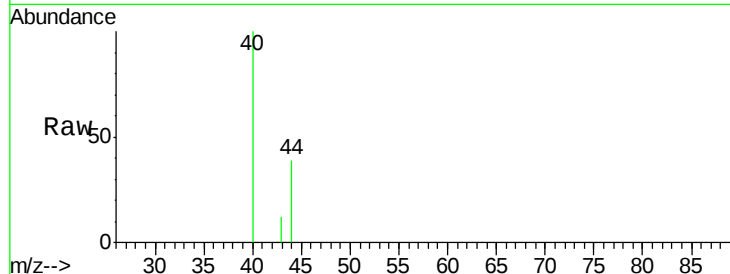




#18
Methyl Acetate
Concen: Below Cal
RT: 4.77 min Scan# 484
Delta R.T. 0.05 min
Lab File: VD065793.D
Acq: 12 Jun 2020 13:44

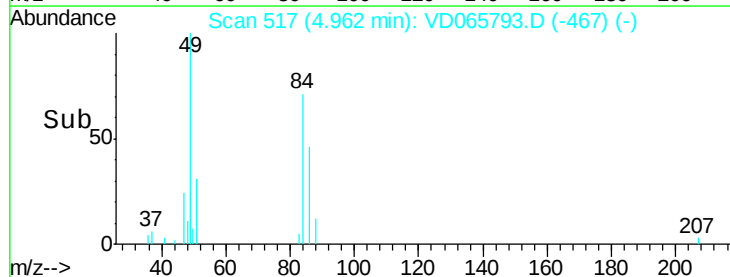
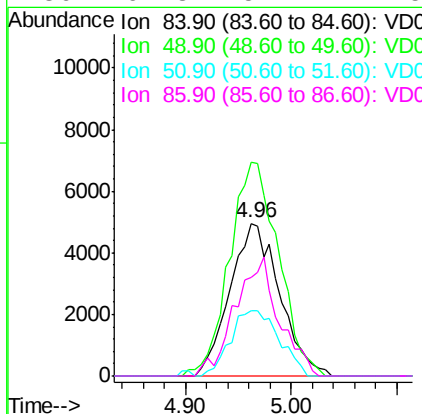
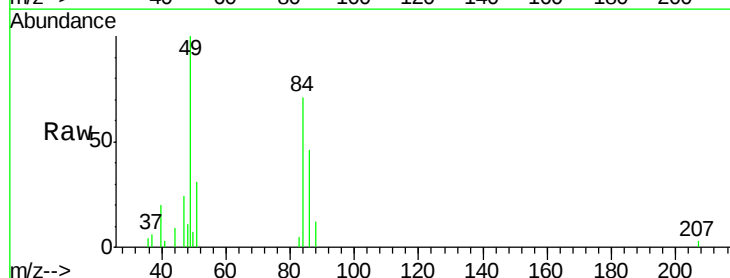
Instrument :
MSVOA_D
ClientSampleId :

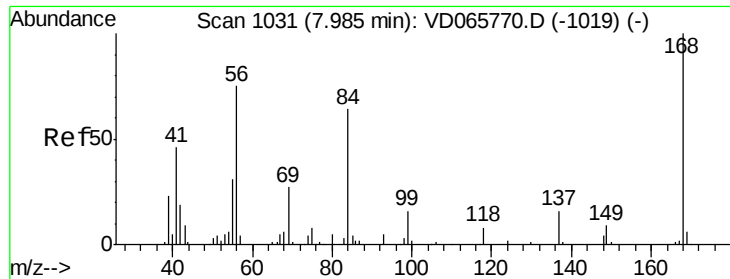
Tot Ion: 43 Resp: 64
Ion Ratio Lower Upper
43 100
74 0.0 18.7 28.1#



#20
Methylene Chloride
Concen: 6.587 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065793.D
Acq: 12 Jun 2020 13:44

Tgt Ion: 84 Resp: 16161
Ion Ratio Lower Upper
84 100
49 139.9 103.4 155.0
51 43.0 31.4 47.2
86 64.3 51.7 77.5

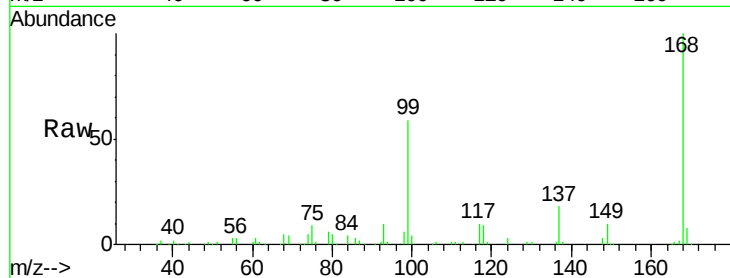




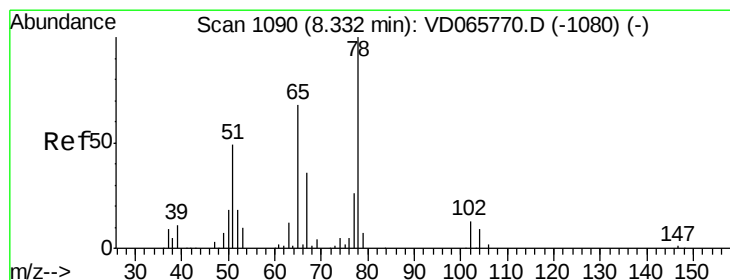
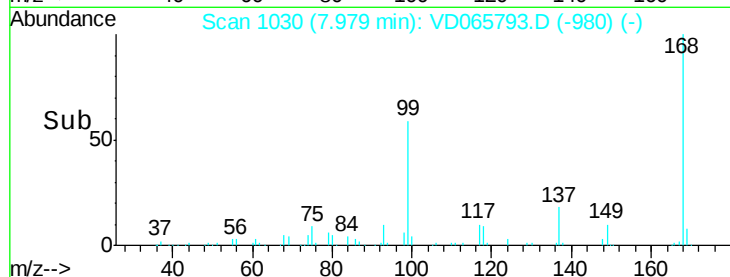
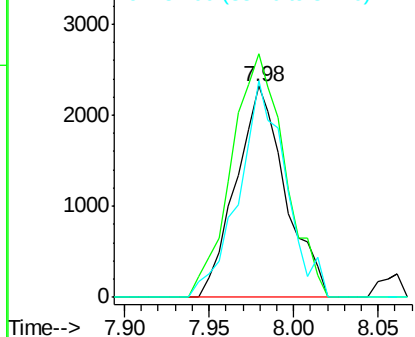
#31
Cyclohexane
Concen: 1.703 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065793.D
Acq: 12 Jun 2020 13:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 4715
Ion Ratio Lower Upper
56 100
69 115.3 28.5 42.7#
84 102.5 68.4 102.6

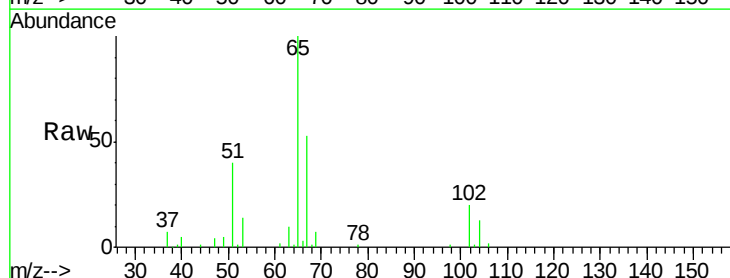


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

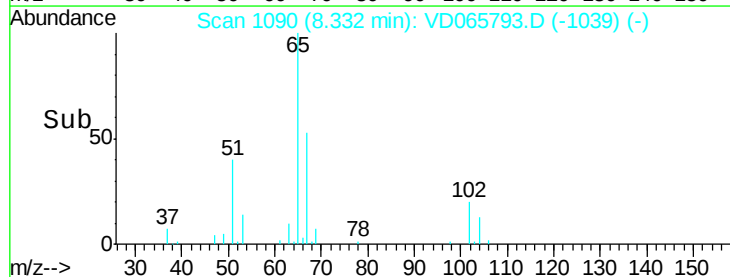
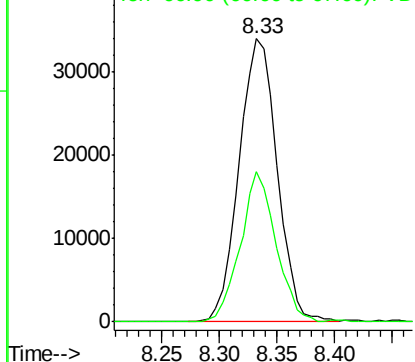


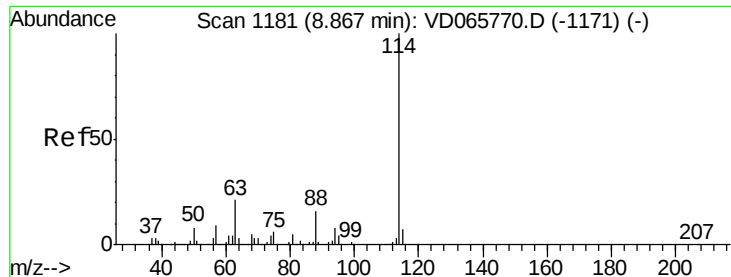
#33
1,2-Dichloroethane-d4
Concen: 50.579 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD065793.D
Acq: 12 Jun 2020 13:44

Tgt Ion: 65 Resp: 78081
Ion Ratio Lower Upper
65 100
67 49.3 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

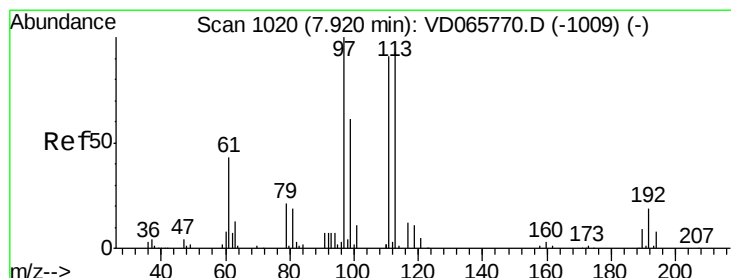
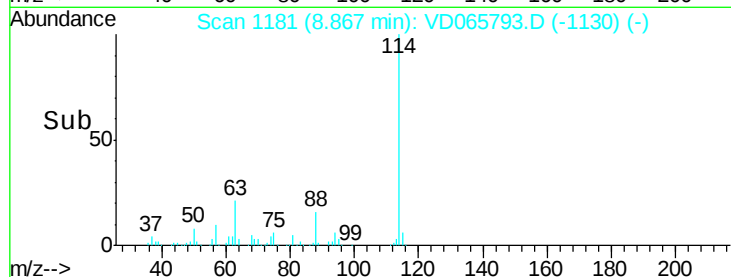
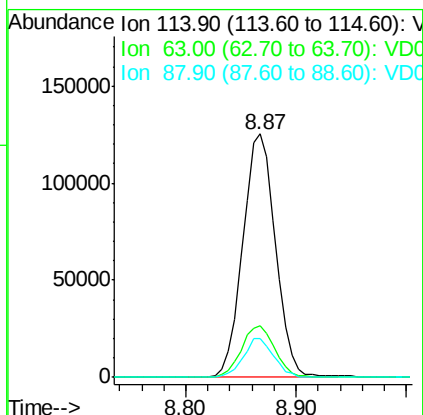
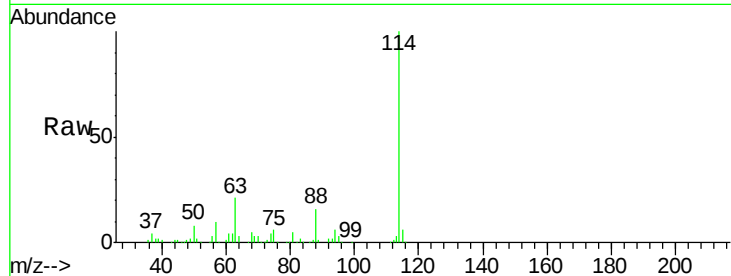




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065793.D
 Acq: 12 Jun 2020 13:44

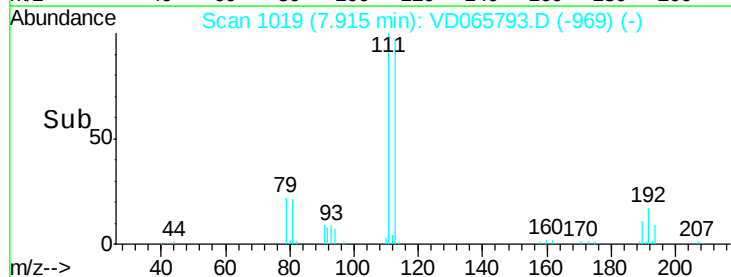
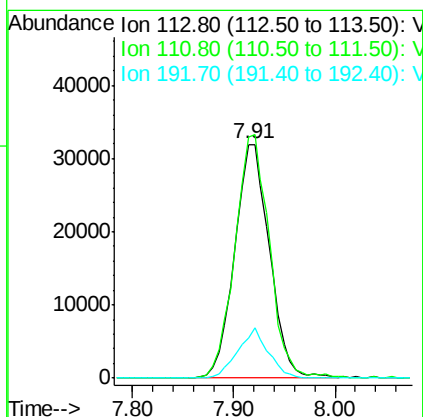
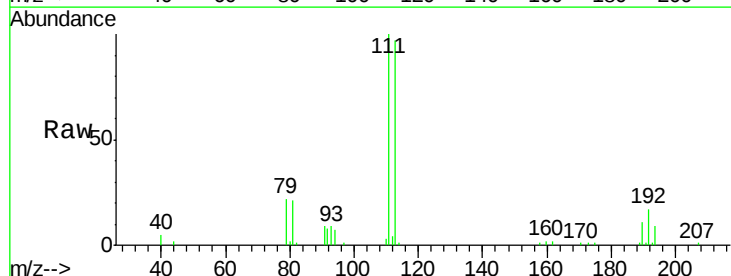
Instrument :
 MSVOA_D
 ClientSampleId :

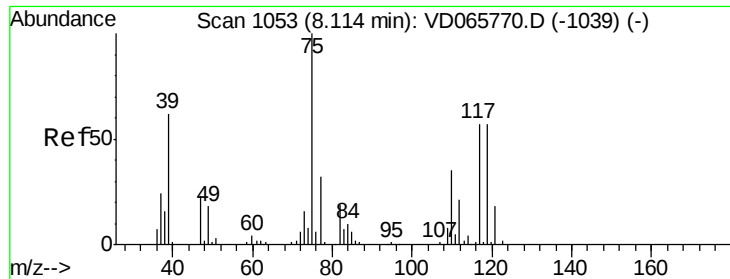
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	41.8
88	16.0	0.0	32.0



#35
 Dibromofluoromethane
 Concen: 46.275 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065793.D
 Acq: 12 Jun 2020 13:44

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	83.4	125.0
192	18.8	15.7	23.5

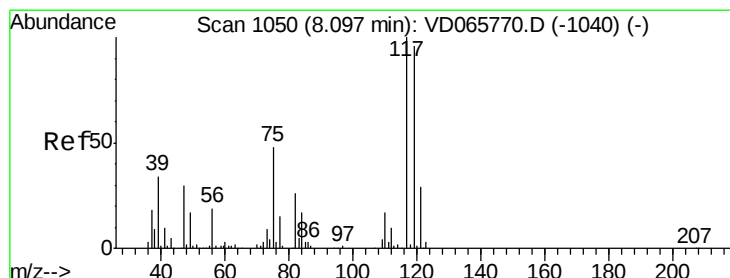
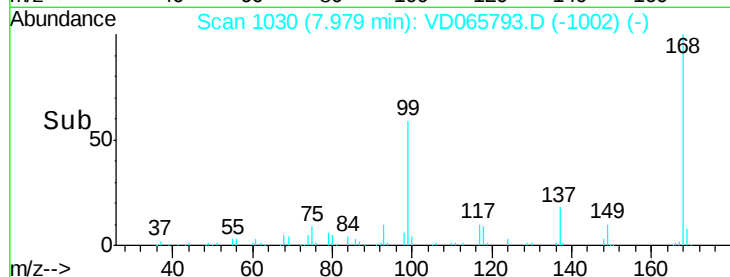
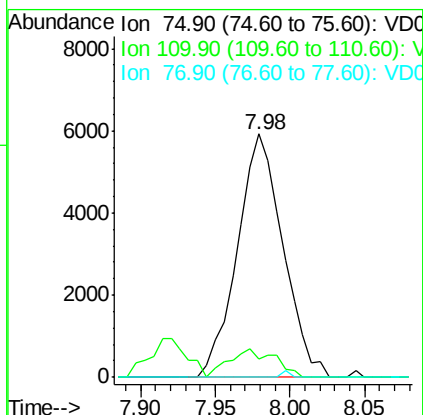
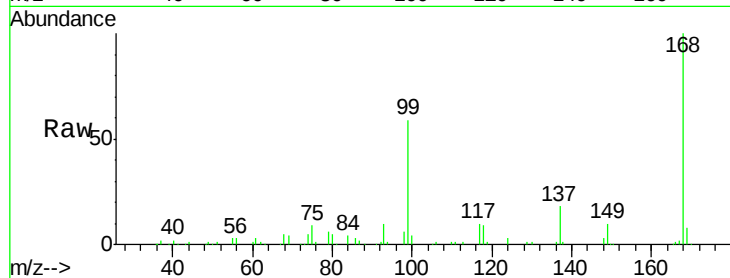




#36
 1,1-Dichloropropene
 Concen: 5.020 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065793.D
 Acq: 12 Jun 2020 13:44

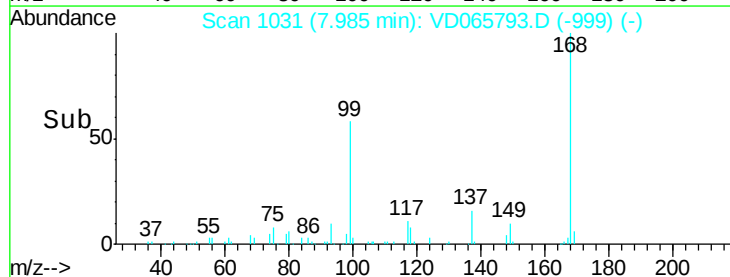
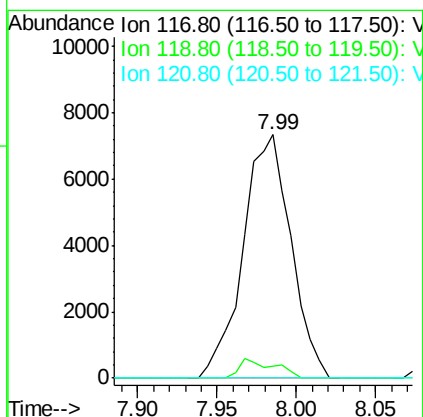
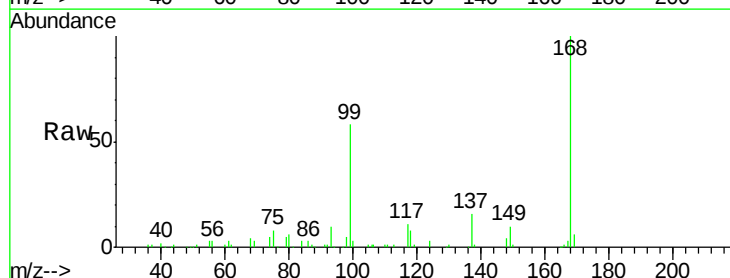
Instrument :
 MSVOA_D
 ClientSampleId :

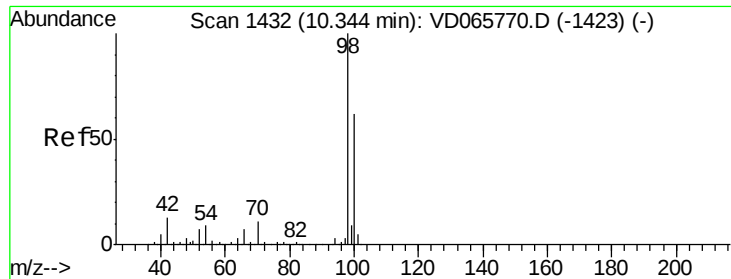
Tot Ion: 75 Resp: 12553
 Ion Ratio Lower Upper
 75 100
 110 11.8 17.6 52.8#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 5.869 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD065793.D
 Acq: 12 Jun 2020 13:44

Tgt Ion: 117 Resp: 15446
 Ion Ratio Lower Upper
 117 100
 119 4.8 76.8 115.2#
 121 0.0 23.4 35.2#





#50

Toluene-d8

Concen: 40.477 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065793.D

Acq: 12 Jun 2020 13:44

Instrument :

MSVOA_D

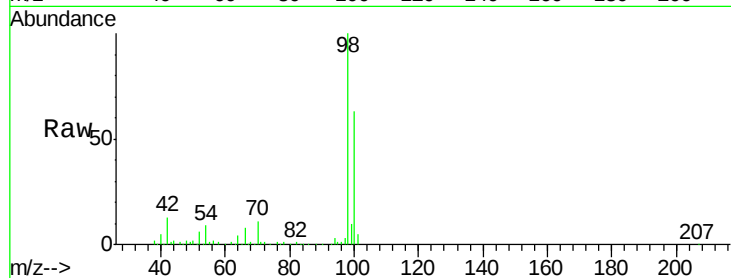
ClientSampleId :

Tot Ion: 98 Resp: 248876

Ion Ratio Lower Upper

98 100

100 64.7 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

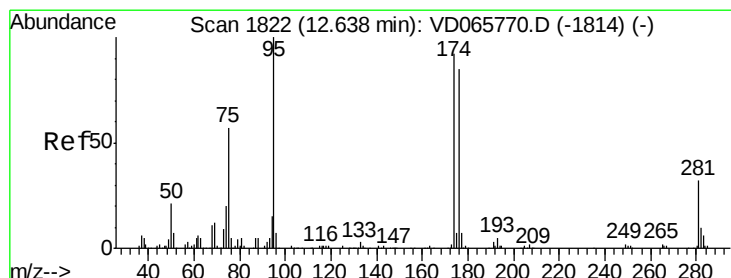
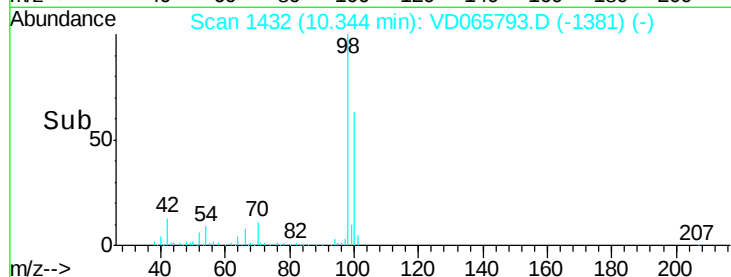
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 36.305 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065793.D

Acq: 12 Jun 2020 13:44

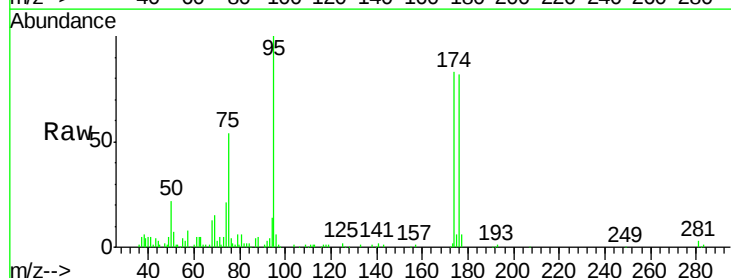
Tgt Ion: 95 Resp: 75702

Ion Ratio Lower Upper

95 100

174 83.3 0.0 175.2

176 77.0 0.0 163.0



Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

12.64

60000

50000

40000

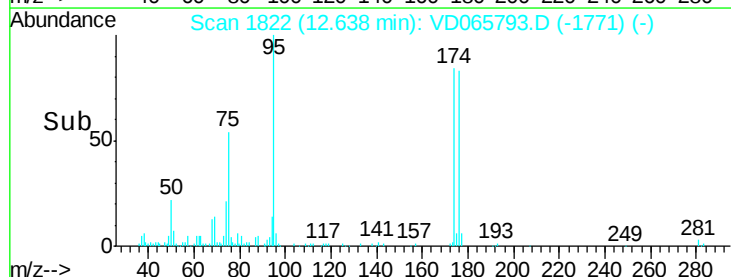
30000

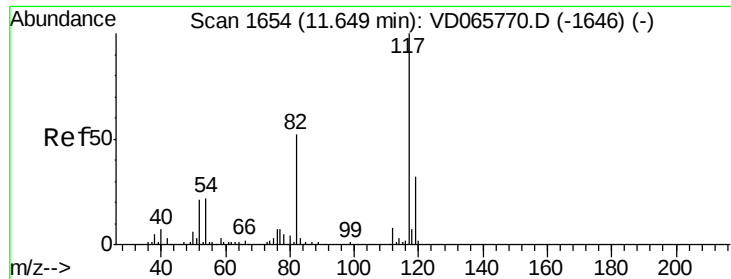
20000

10000

0

Time-->

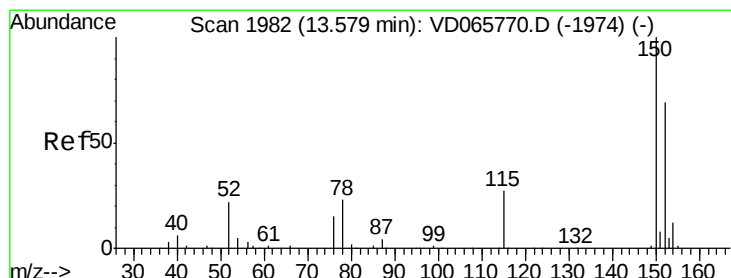
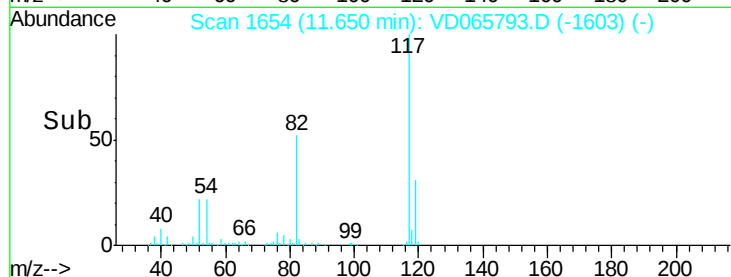
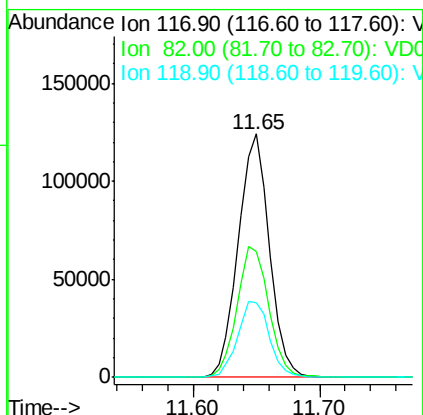
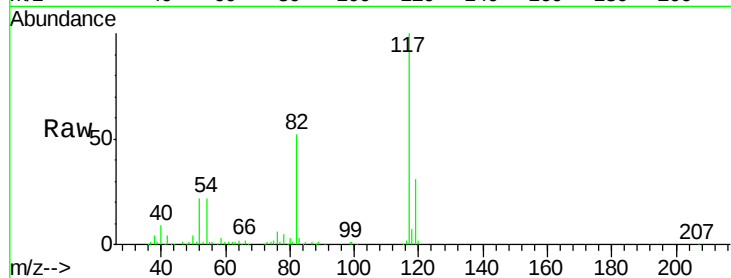




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065793.D
Acq: 12 Jun 2020 13:44

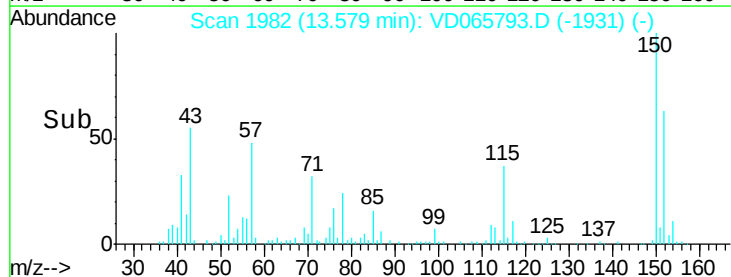
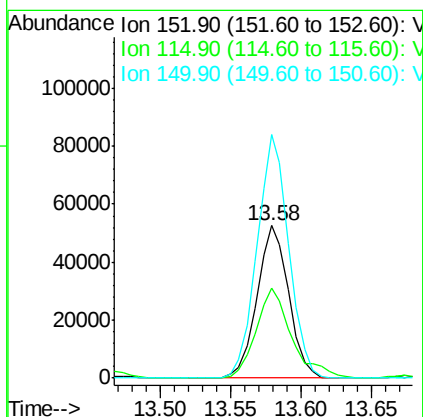
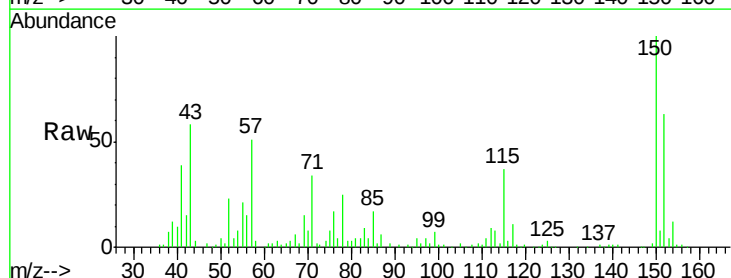
Instrument :
MSVOA_D
ClientSampleId :

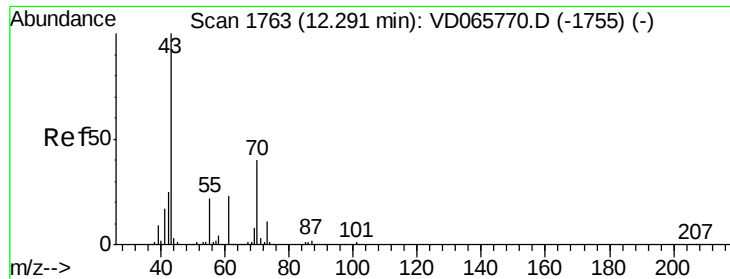
Tot Ion:117 Resp: 211955
Ion Ratio Lower Upper
117 100
82 51.7 41.9 62.9
119 30.9 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD065793.D
Acq: 12 Jun 2020 13:44

Tgt Ion:152 Resp: 83053
Ion Ratio Lower Upper
152 100
115 66.3 28.7 86.1
150 159.5 0.0 348.0

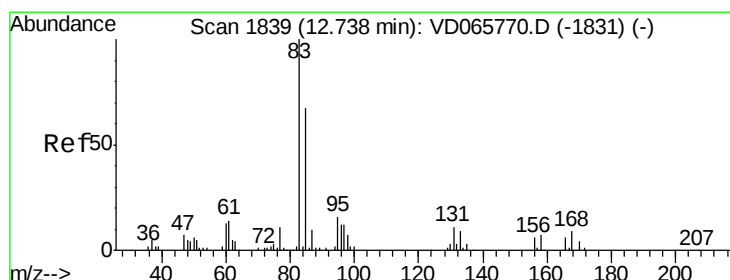
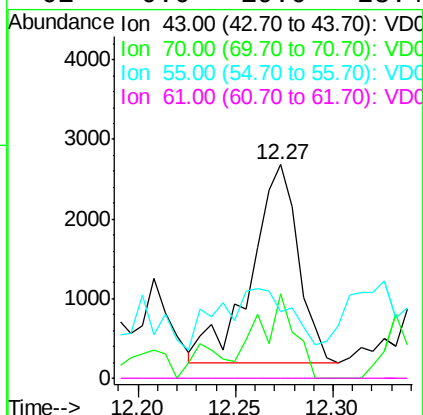
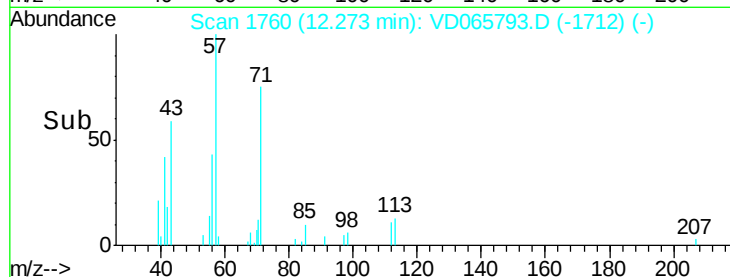
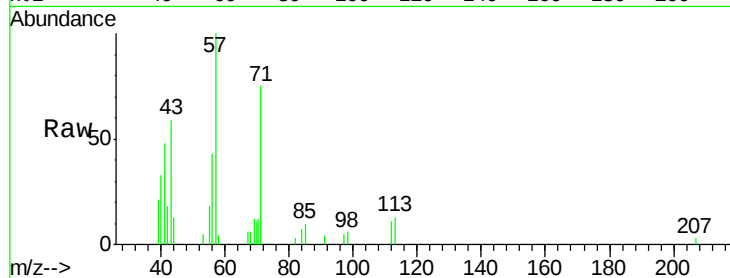




#74
N-amvl acetate
Concen: 3.342 ug/l
RT: 12.27 min Scan# 1760
Delta R.T. -0.02 min
Lab File: VD065793.D
Acq: 12 Jun 2020 13:44

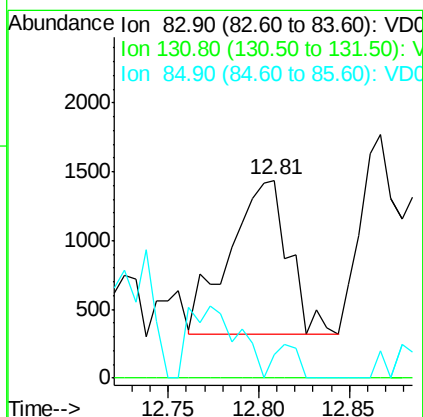
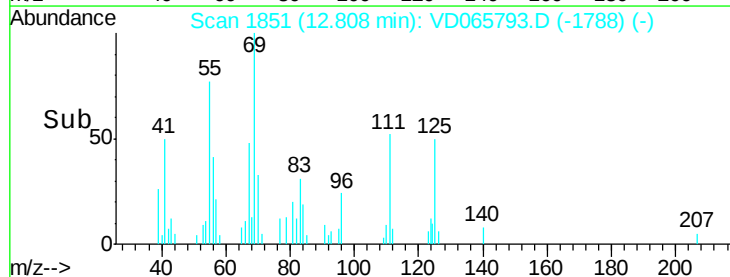
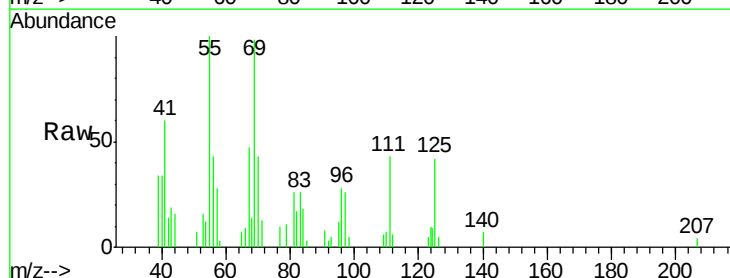
Instrument :
MSVOA_D
ClientSampleId :

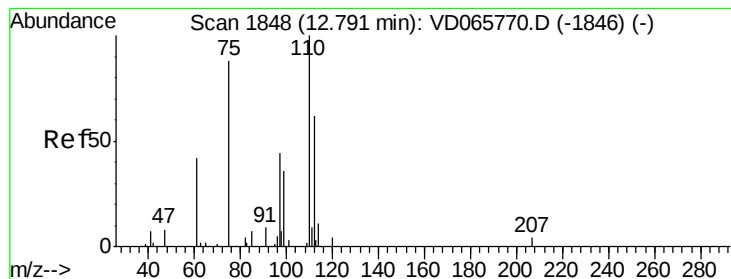
Tot Ion:	43	Resp:	4140
Ion	Ratio	Lower	Upper
43	100		
70	32.6	32.3	48.5
55	46.8	19.0	28.4#
61	0.0	19.0	28.4#



#75
1,1,2,2-Tetrachloroethane
Concen: 2.702 ug/l
RT: 12.81 min Scan# 1851
Delta R.T. 0.07 min
Lab File: VD065793.D
Acq: 12 Jun 2020 13:44

Tgt Ion:	83	Resp:	2541
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.5	16.4#
85	0.0	32.5	97.5#





#76

1,2,3-Trichloropropane

Concen: 62.370 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065793.D

Acq: 12 Jun 2020 13:44

Instrument :

MSVOA_D

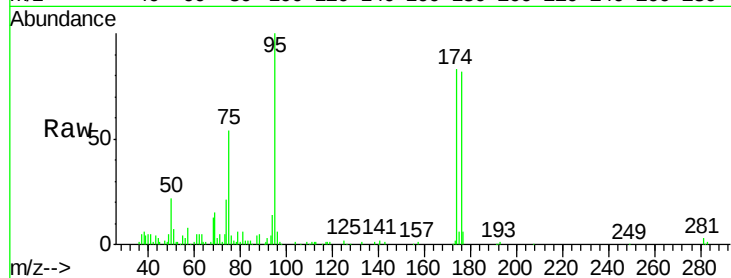
ClientSampled :

Tot Ion: 75 Resp: 40286

Ion Ratio Lower Upper

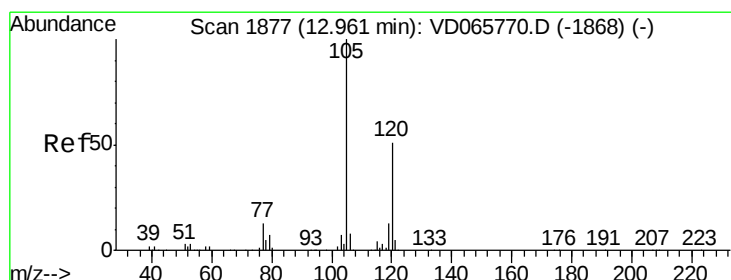
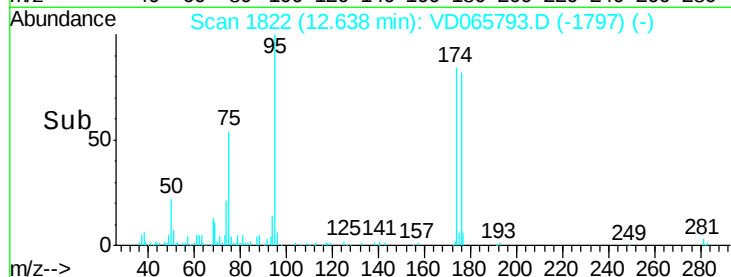
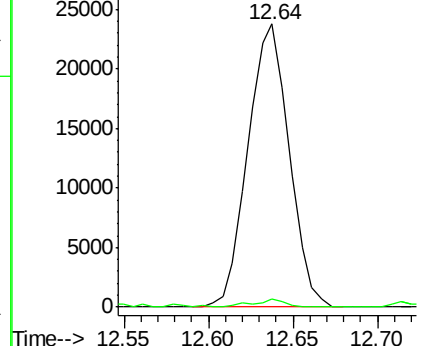
75 100

77 2.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#80

1,3,5-Trimethylbenzene

Concen: 6.388 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD065793.D

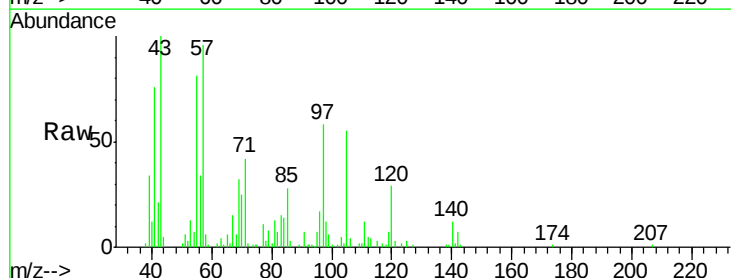
Acq: 12 Jun 2020 13:44

Tgt Ion: 105 Resp: 29602

Ion Ratio Lower Upper

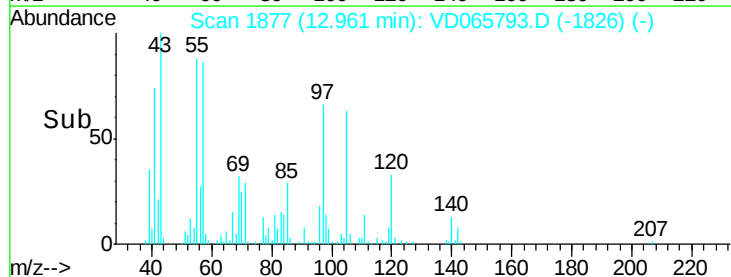
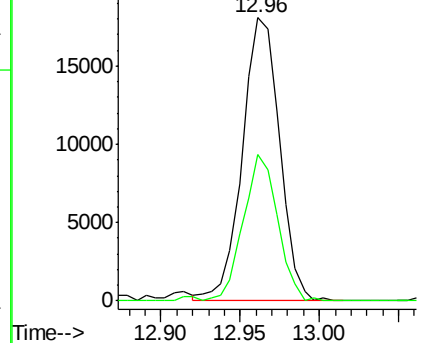
105 100

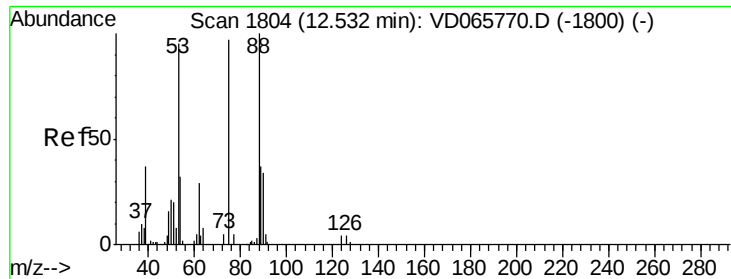
120 47.5 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

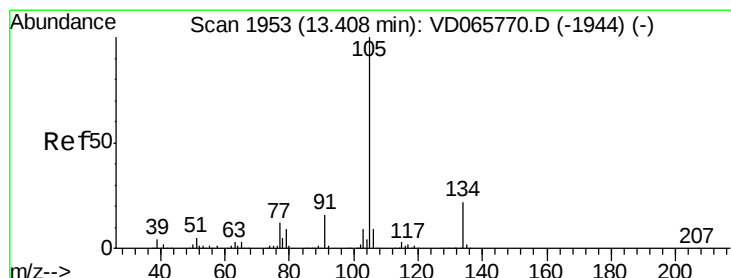
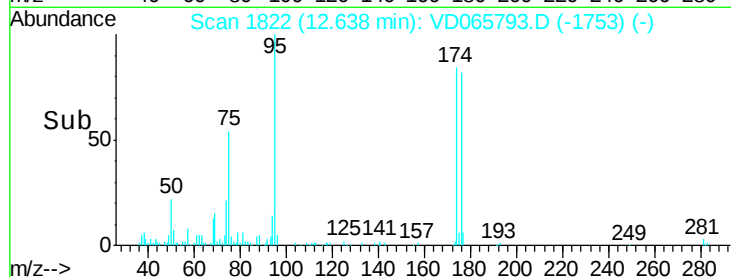
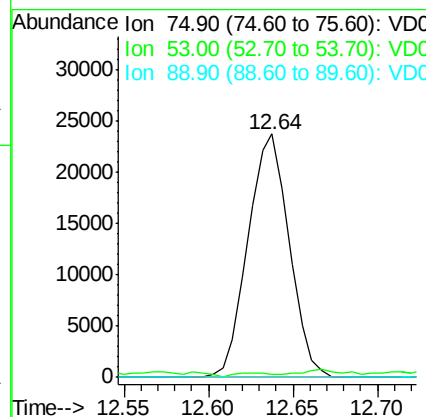
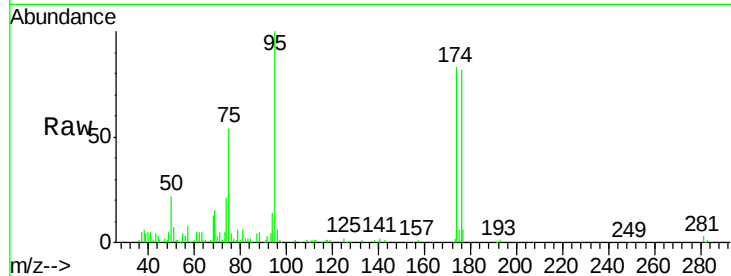




#81
trans-1,4-Dichloro-2-butene
Concen: 134.759 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.11 min
Lab File: VD065793.D
Acq: 12 Jun 2020 13:44

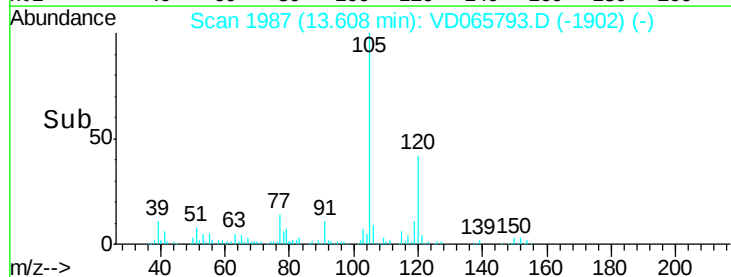
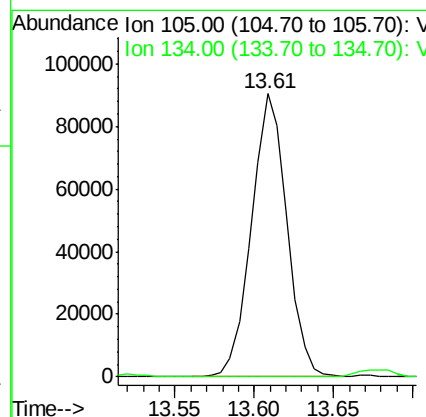
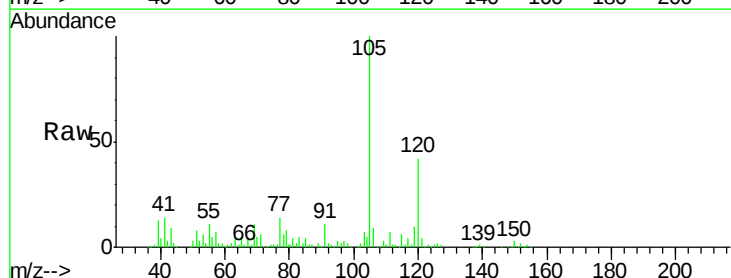
Instrument :
MSVOA_D
ClientSampleId :

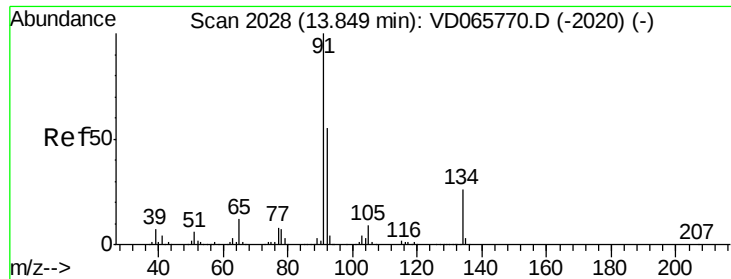
Tot Ion: 75 Resp: 40286
Ion Ratio Lower Upper
75 100
53 1.4 82.6 123.8#
89 0.0 35.9 53.9#



#85
sec-Butylbenzene
Concen: 25.060 ug/l
RT: 13.61 min Scan# 1987
Delta R.T. 0.20 min
Lab File: VD065793.D
Acq: 12 Jun 2020 13:44

Tgt Ion: 105 Resp: 140225
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.4#

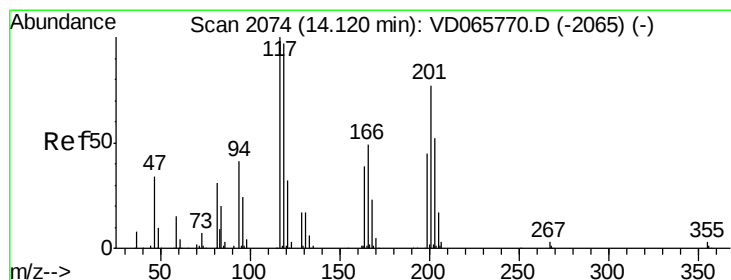
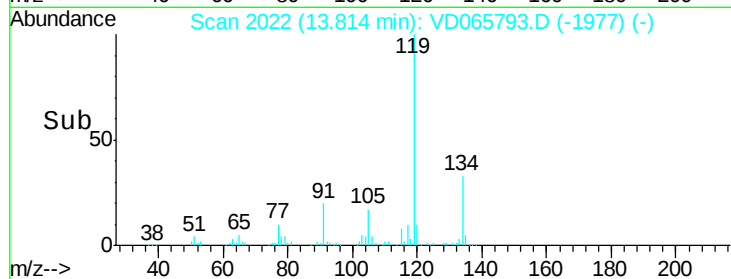
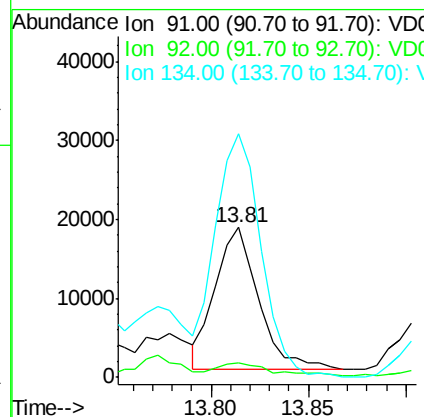
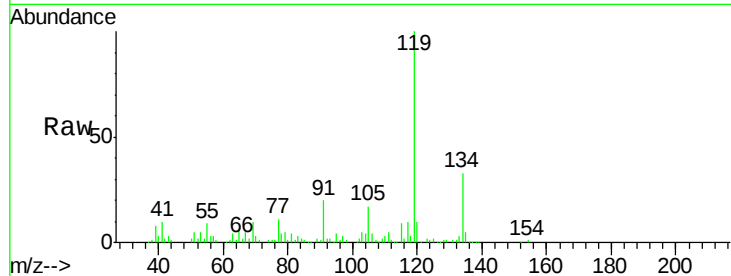




#89
n-Butylbenzene
Concen: 5.727 ug/l
RT: 13.81 min Scan# 2022
Delta R.T. -0.04 min
Lab File: VD065793.D
Acq: 12 Jun 2020 13:44

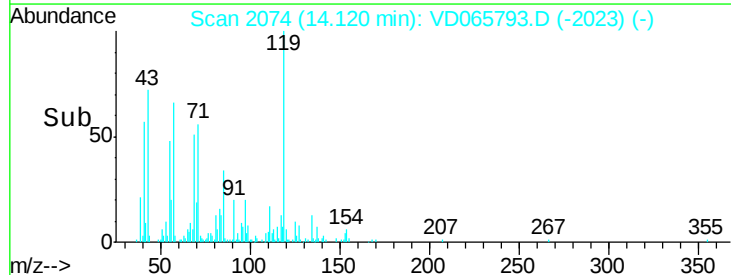
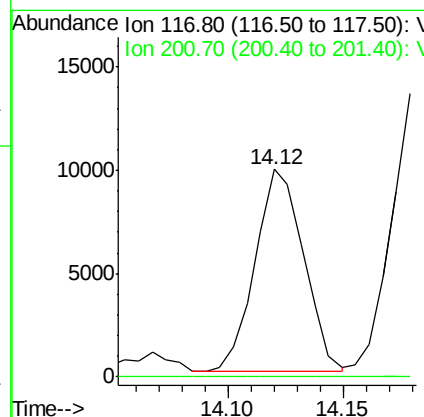
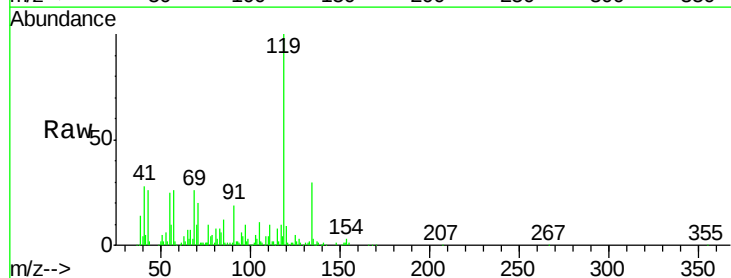
Instrument :
MSVOA_D
ClientSampleId :

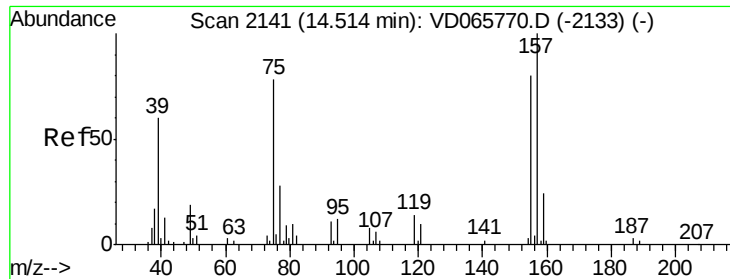
Tot Ion: 91 Resp: 28014
Ion Ratio Lower Upper
91 100
92 11.4 27.0 81.0#
134 180.3 13.0 39.0#



#90
Hexachloroethane
Concen: 13.958 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065793.D
Acq: 12 Jun 2020 13:44

Tgt Ion: 117 Resp: 14329
Ion Ratio Lower Upper
117 100
201 0.0 37.1 111.5#

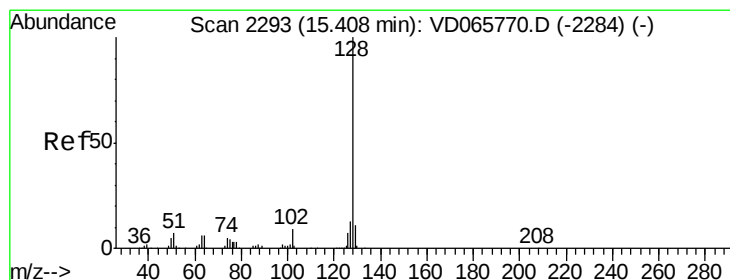
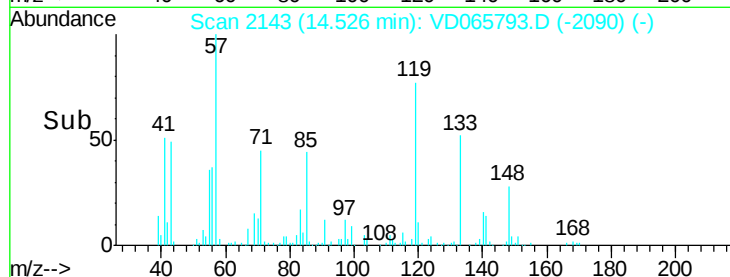
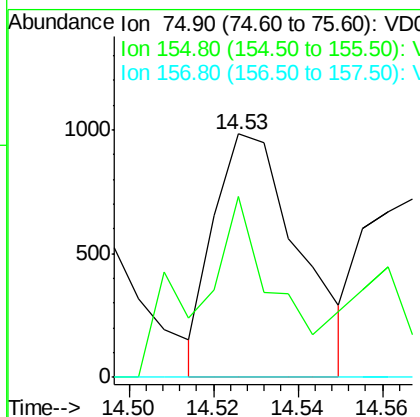
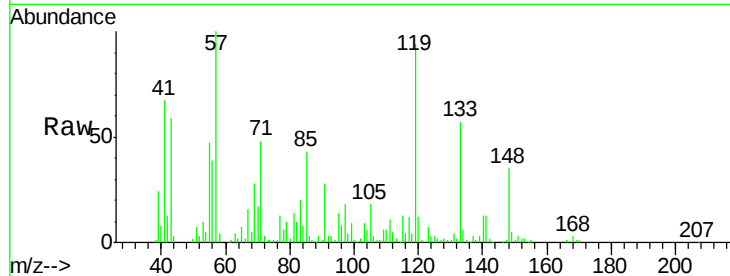




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 8.747 ug/l
 RT: 14.53 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VD065793.D
 Acq: 12 Jun 2020 13:44

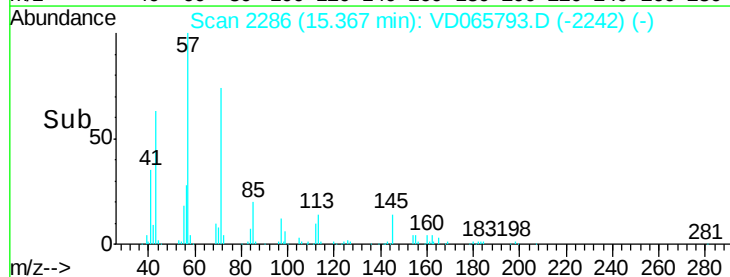
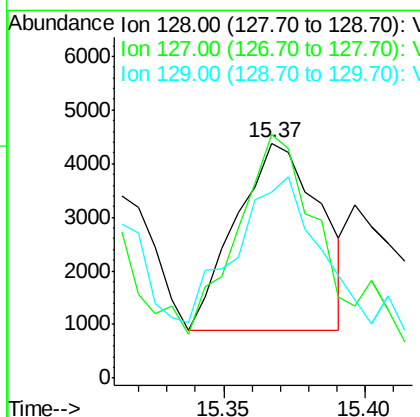
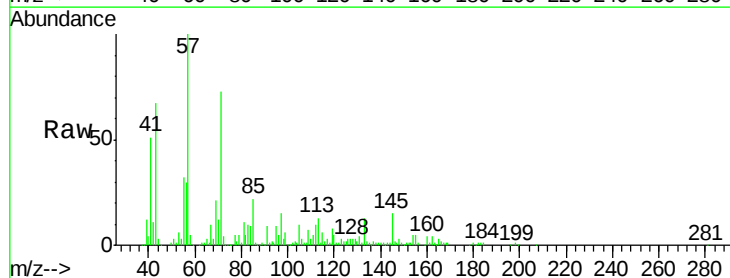
Instrument :
 MSVOA_D
 ClientSampled :

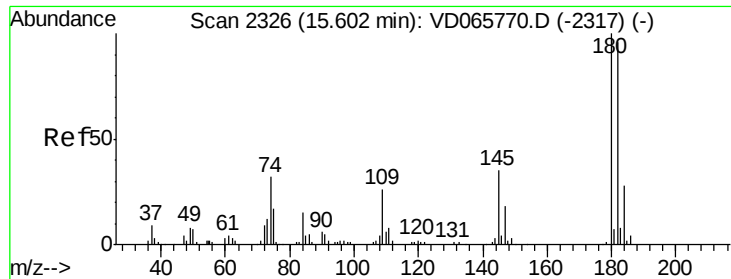
Tot Ion: 75 Resp: 1369
 Ion Ratio Lower Upper
 75 100
 155 67.1 46.3 138.9
 157 0.0 58.1 174.3#



#95
 Naphthalene
 Concen: 2.818 ug/l
 RT: 15.37 min Scan# 2286
 Delta R.T. -0.04 min
 Lab File: VD065793.D
 Acq: 12 Jun 2020 13:44

Tgt Ion: 128 Resp: 7257
 Ion Ratio Lower Upper
 128 100
 127 110.4 10.7 16.1#
 129 90.6 8.6 12.8#

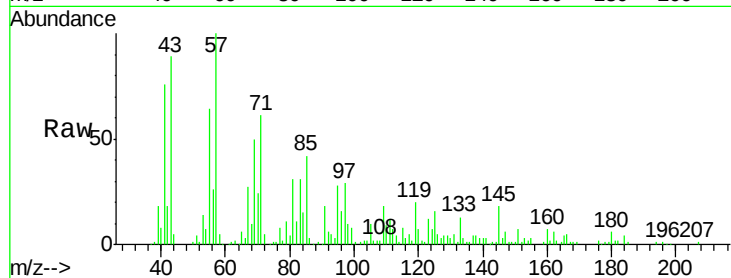




#96
 1,2,3-Trichlorobenzene
 Concen: 3.061 ug/l
 RT: 15.62 min Scan# 2329
 Delta R.T. 0.02 min
 Lab File: VD065793.D
 Acq: 12 Jun 2020 13:44

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 4007
 Ion Ratio Lower Upper
 180 100
 182 18.6 47.0 141.2#
 145 0.0 16.2 48.6#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

