

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092920\
 Data File : VD066957.D
 Acq On : 30 Sep 2020 01:00
 Operator : VA/SY
 Sample : L4179-04
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-10(1-2)

Quant Time: Sep 30 04:23:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	415570	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	682289	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	725110	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	368335	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	185315	45.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.12%	
35) Dibromofluoromethane	7.91	113	215637	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
50) Toluene-d8	10.34	98	821632	55.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.10%	
62) 4-Bromofluorobenzene	12.63	95	335288	66.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	132.44%	

Target Compounds

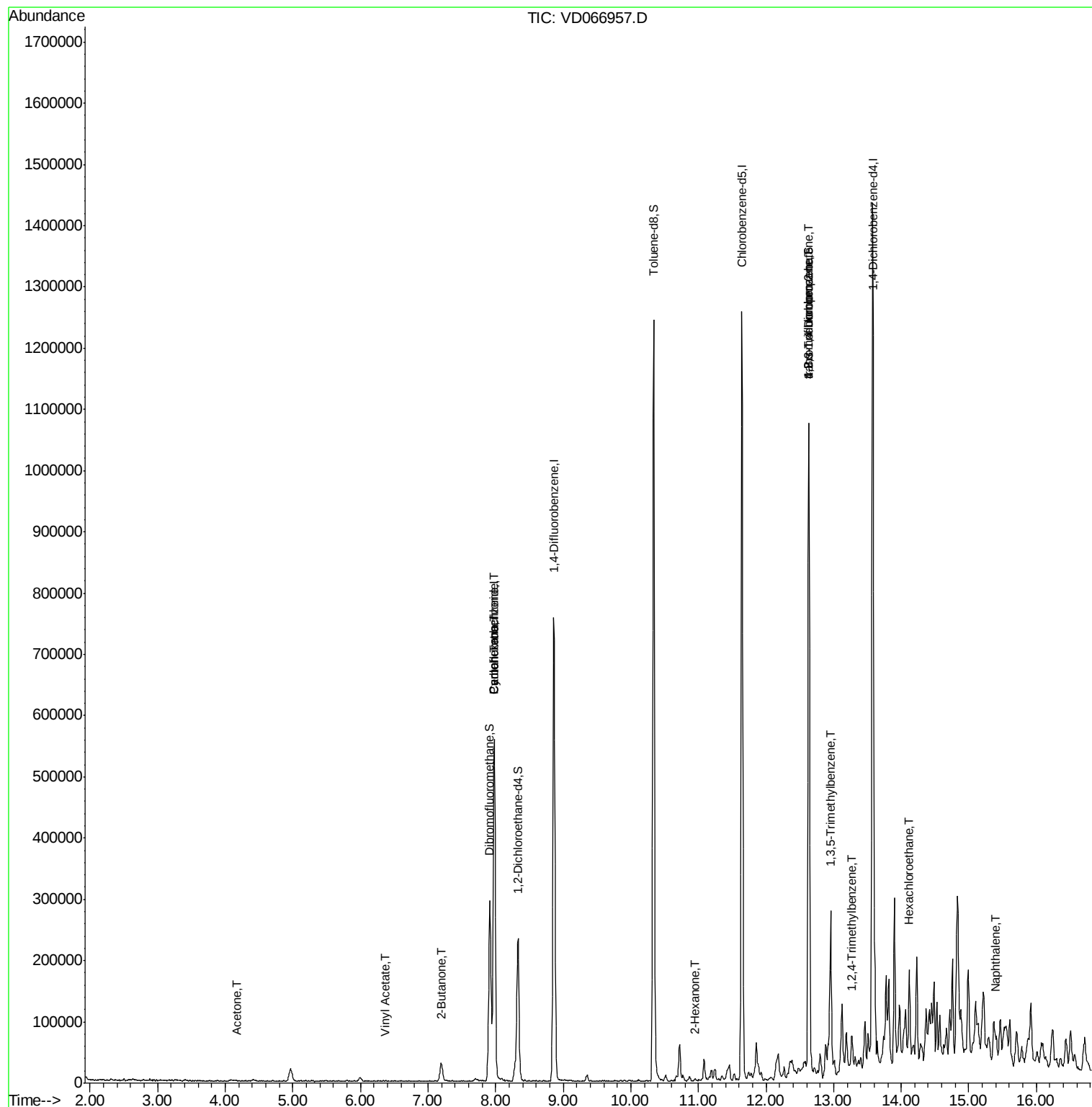
						Qvalue
2) Dichlorodifluoromethane	1.99	85	765	Below Cal	#	50
11) Tert butyl alcohol	5.19	59	1005	Below Cal	#	72
16) Acetone	4.17	43	2211	2.562	ug/l #	60
18) Methyl Acetate	4.80	43	64	Below Cal	#	50
20) Methylene Chloride	4.97	84	15970	Below Cal	#	83
23) Vinyl Acetate	6.37	43	56	2.680	ug/l #	71
25) 2-Butanone	7.20	43	1606	1.549	ug/l #	46
31) Cyclohexane	7.97	56	9646	1.304	ug/l #	4
38) Carbon Tetrachloride	7.98	117	44305	5.987	ug/l #	15
59) 2-Hexanone	10.96	43	1865	1.157	ug/l #	29
76) 1,2,3-Trichloropropane	12.63	75	169631	55.572	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.96	105	59051	2.615	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.63	75	169631	139.036	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.27	105	33324	1.488	ug/l	100
90) Hexachloroethane	14.12	117	8390	1.718	ug/l #	16
95) Naphthalene	15.40	128	29678	2.640	ug/l	98

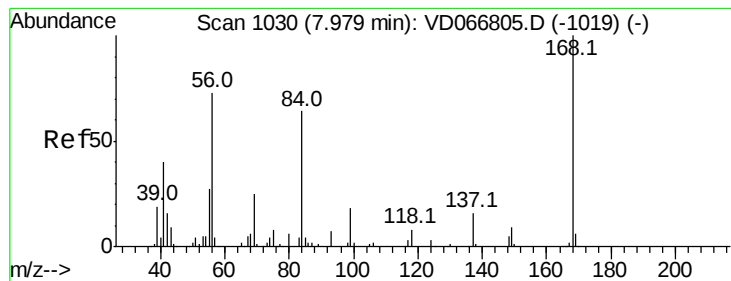
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 23 01:34:05 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: VD066957.D

Acq: 30 Sep 2020 01:00

Instrument :

MSVOA_D

ClientSampleId :

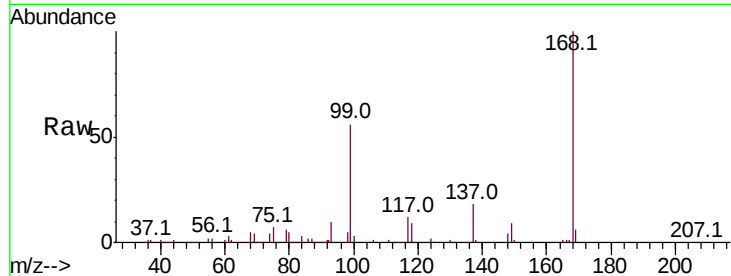
B-10(1-2)

Tot Ion:168 Resp: 415570

Ion Ratio Lower Upper

168 100

99 55.9 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

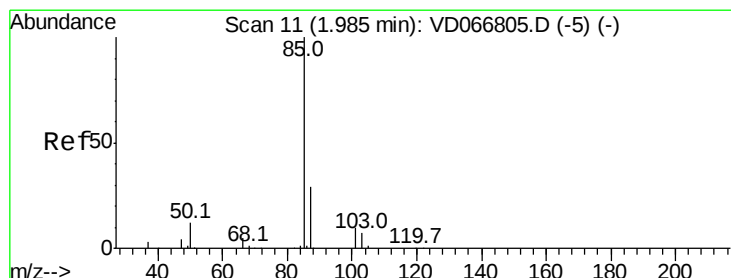
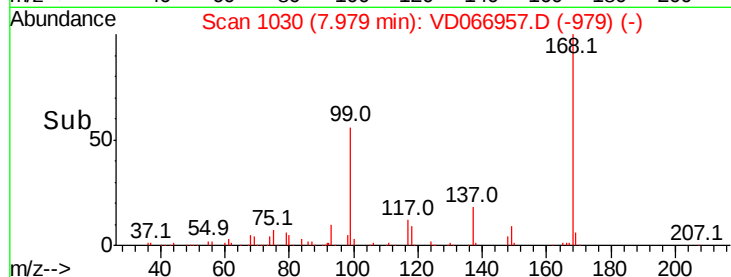
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066957.D

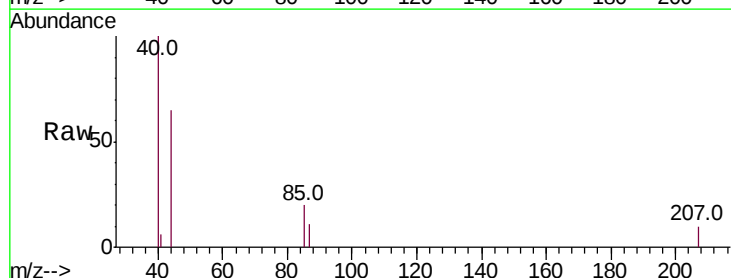
Acq: 30 Sep 2020 01:00

Tgt Ion: 85 Resp: 765

Ion Ratio Lower Upper

85 100

87 55.9 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

600

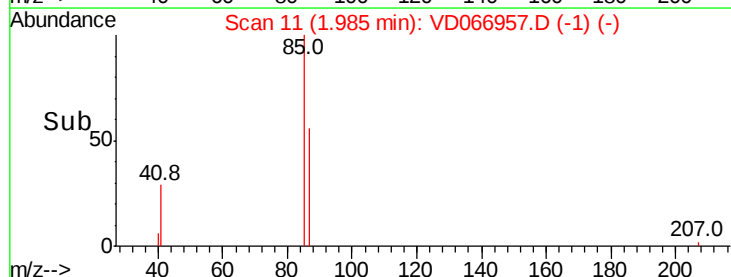
400

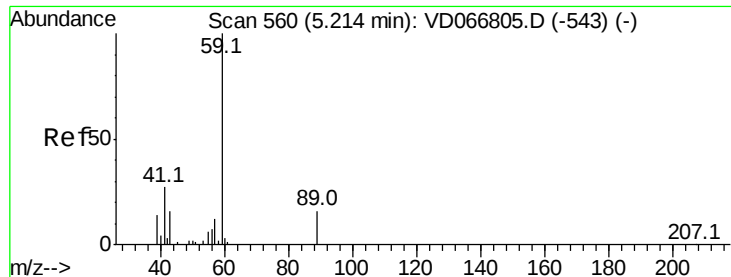
200

0

Time-->

1.94 1.96 1.98 2.00 2.02



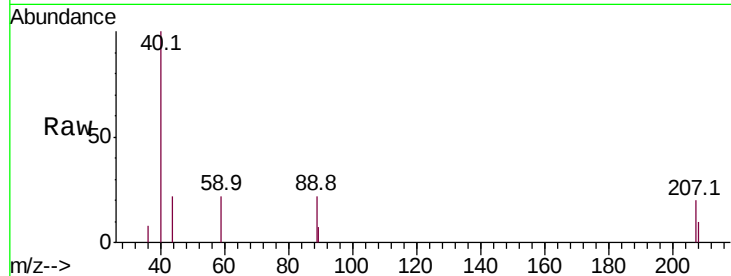


#11

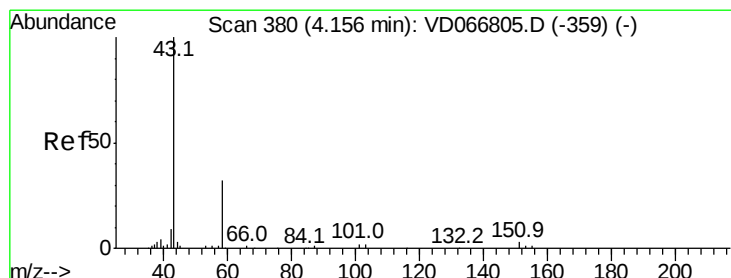
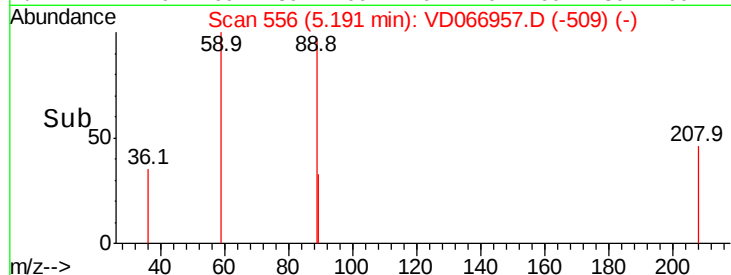
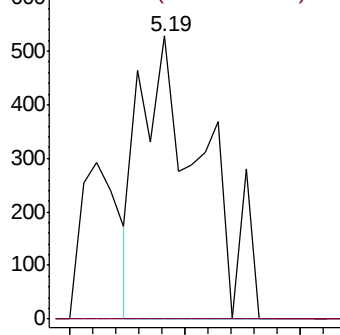
Tert butyl alcohol
 Concen: Below Cal
 RT: 5.19 min Scan# 556
 Delta R.T. -0.02 min
 Lab File: VD066957.D
 Acq: 30 Sep 2020 01:00

Instrument :
 MSVOA_D
 ClientSampleId :
 B-10(1-2)

Tot Ion: 59 Resp: 1005
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#



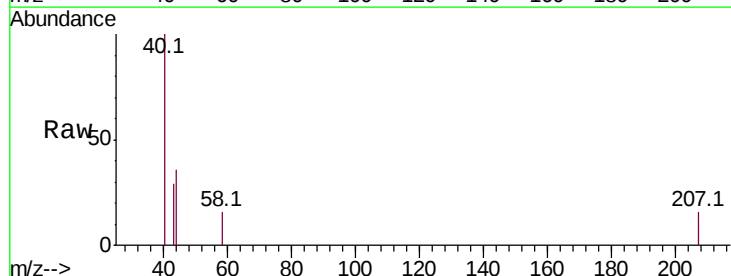
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



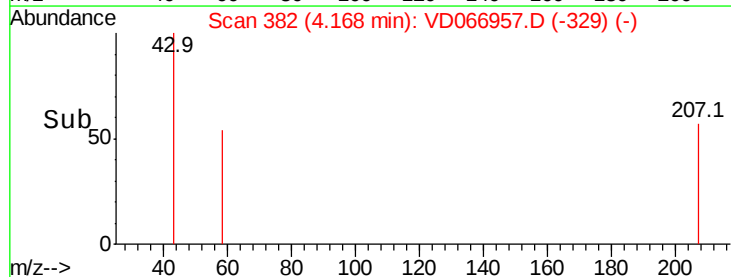
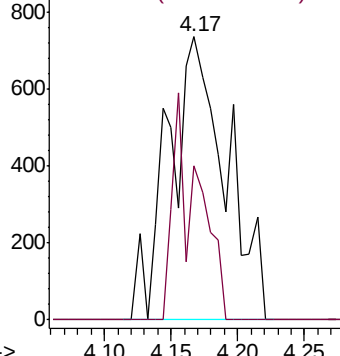
#16

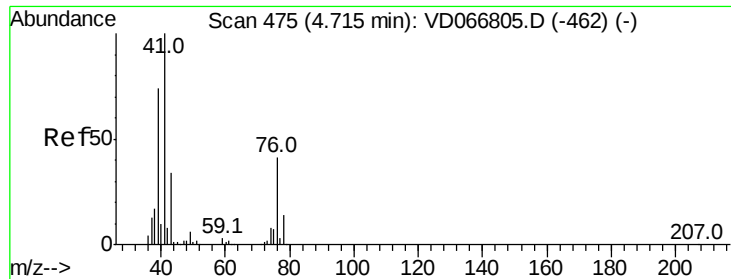
Acetone
 Concen: 2.562 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VD066957.D
 Acq: 30 Sep 2020 01:00

Tgt Ion: 43 Resp: 2211
 Ion Ratio Lower Upper
 43 100
 58 54.5 25.6 38.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

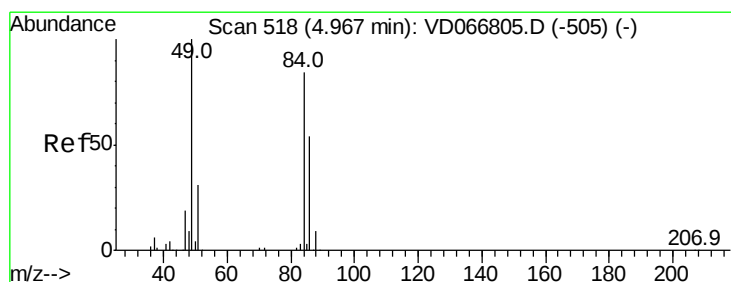
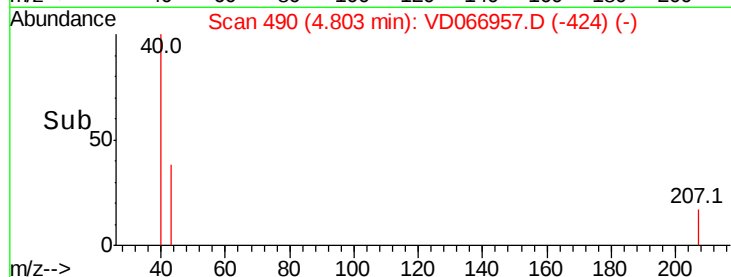
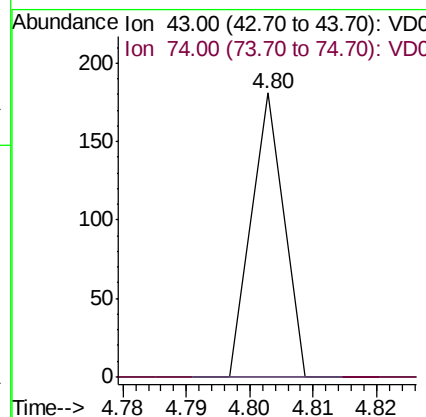
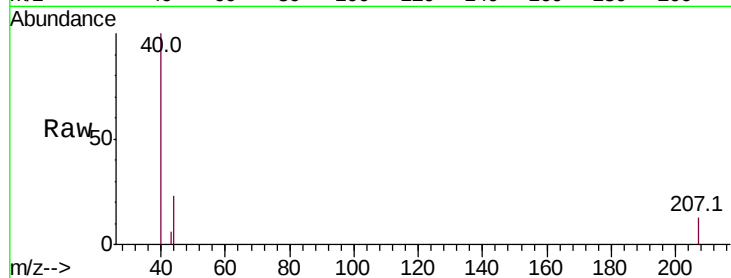




#18
Methyl Acetate
Concen: Below Cal
RT: 4.80 min Scan# 490
Delta R.T. 0.09 min
Lab File: VD066957.D
Acq: 30 Sep 2020 01:00

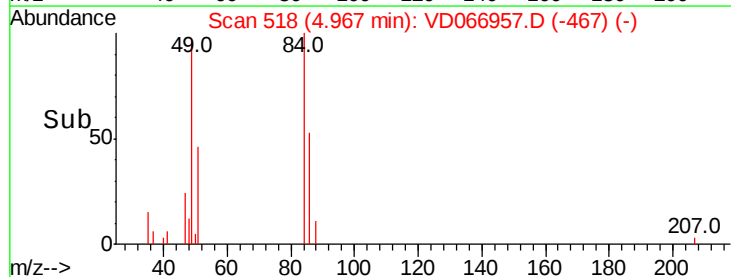
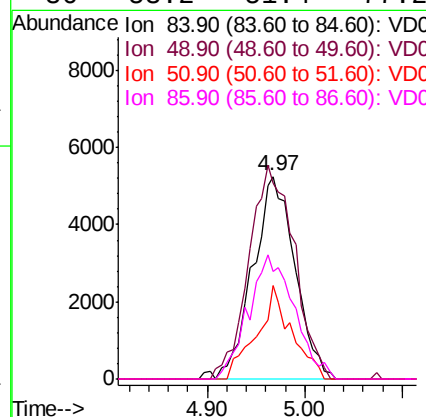
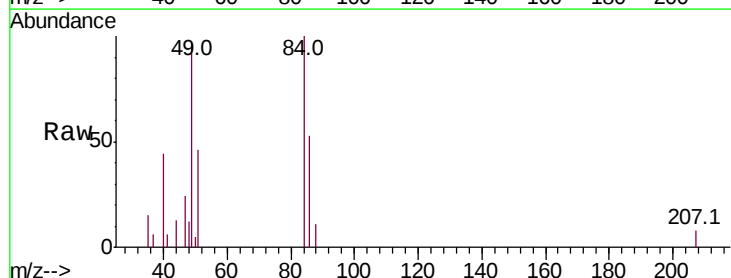
Instrument :
MSVOA_D
ClientSampleId :
B-10(1-2)

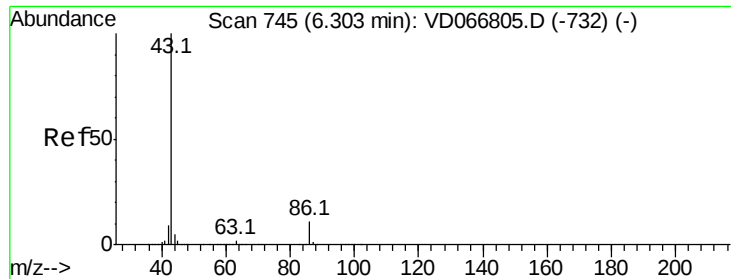
Tot Ion: 43 Resp: 64
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066957.D
Acq: 30 Sep 2020 01:00

Tgt Ion: 84 Resp: 15970
Ion Ratio Lower Upper
84 100
49 97.0 95.4 143.2
51 45.9 29.7 44.5#
86 53.2 51.4 77.2





#23

Vinyl Acetate

Concen: 2.680 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.07 min

Lab File: VD066957.D

Acq: 30 Sep 2020 01:00

Instrument :

MSVOA_D

ClientSampleId :

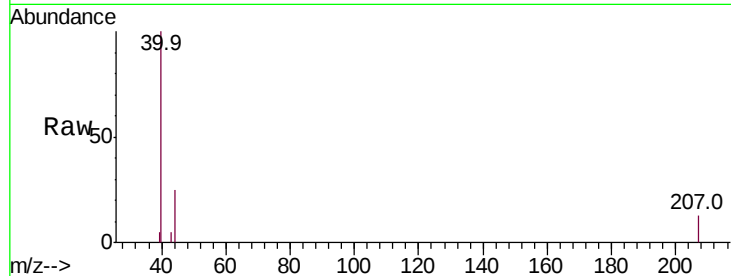
B-10(1-2)

Tot Ion: 43 Resp: 56

Ion Ratio Lower Upper

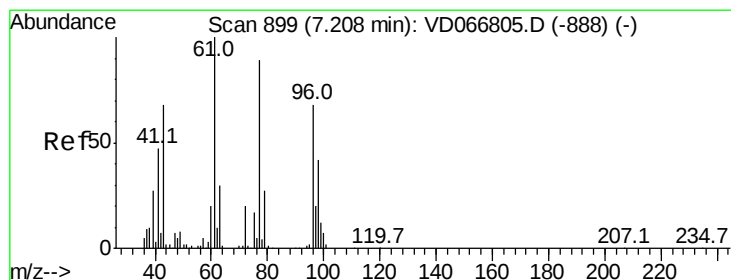
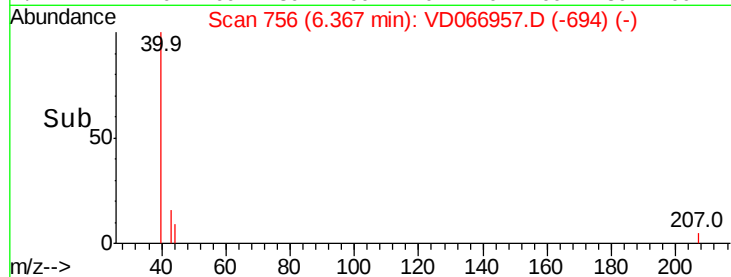
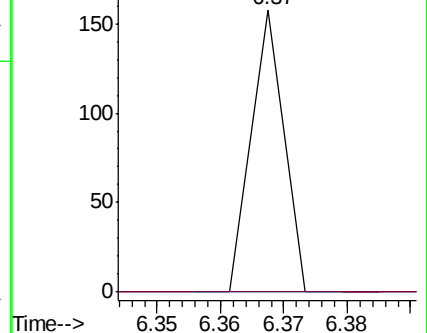
43 100

86 0.0 8.9 13.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#25

2-Butanone

Concen: 1.549 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066957.D

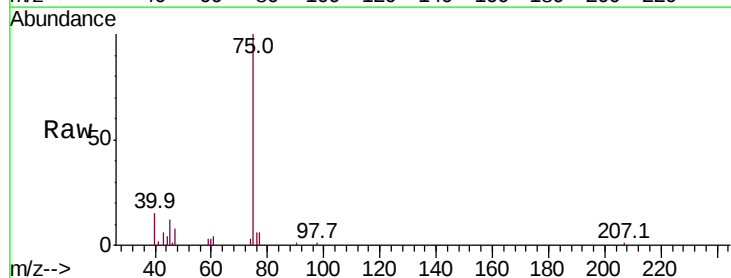
Acq: 30 Sep 2020 01:00

Tgt Ion: 43 Resp: 1606

Ion Ratio Lower Upper

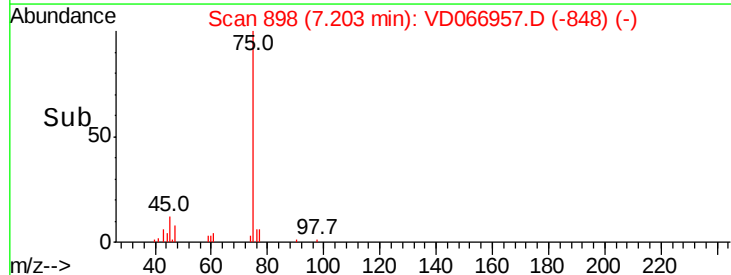
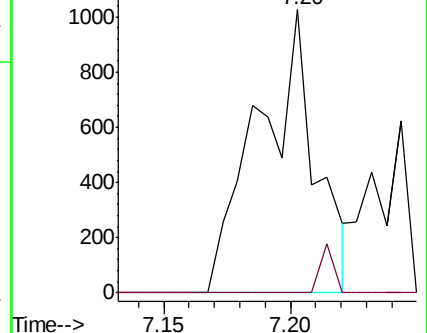
43 100

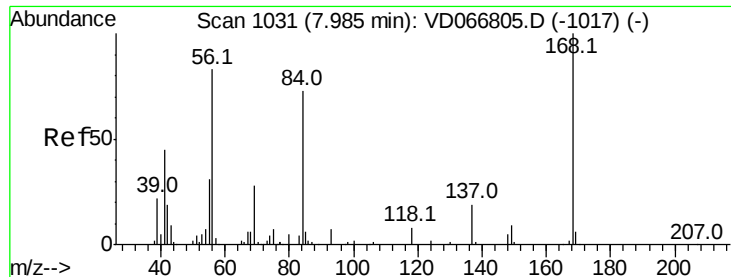
72 0.0 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC





#31

Cyclohexane

Concen: 1.304 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066957.D

Acq: 30 Sep 2020 01:00

Instrument :

MSVOA_D

ClientSampled :

B-10(1-2)

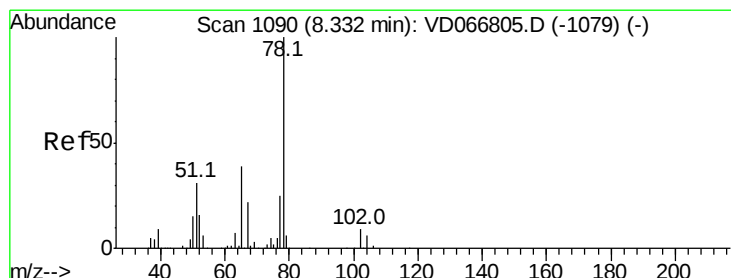
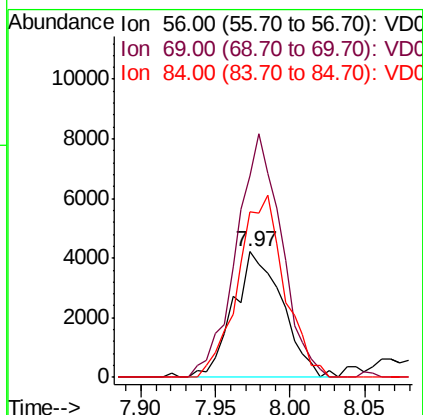
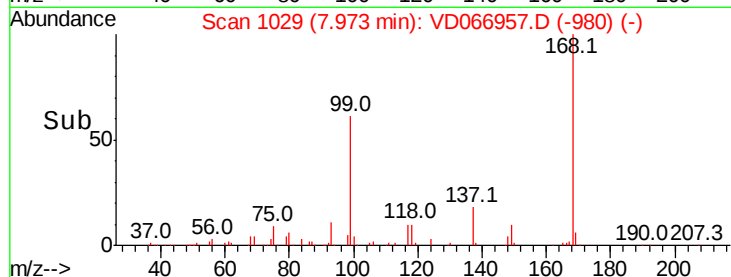
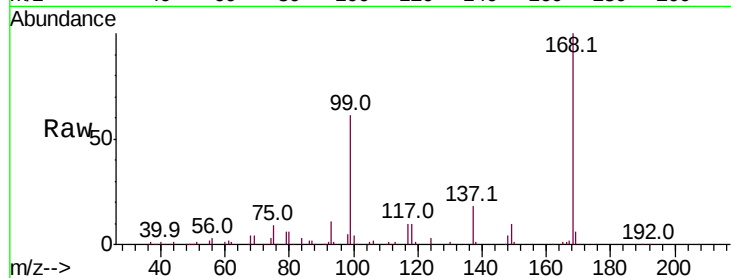
Tot Ion: 56 Resp: 9646

Ion Ratio Lower Upper

56 100

69 160.9 27.0 40.4#

84 132.2 70.2 105.4#



#33

1,2-Dichloroethane-d4

Concen: 45.561 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD066957.D

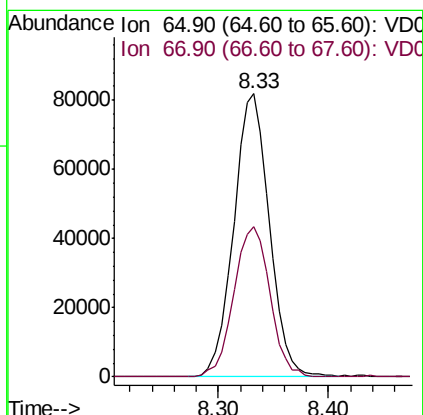
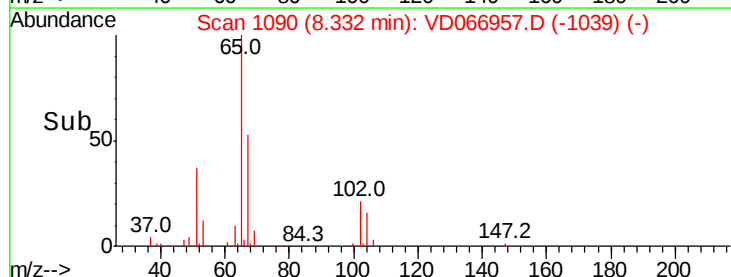
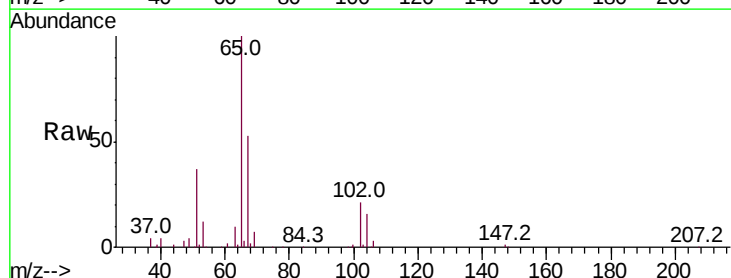
Acq: 30 Sep 2020 01:00

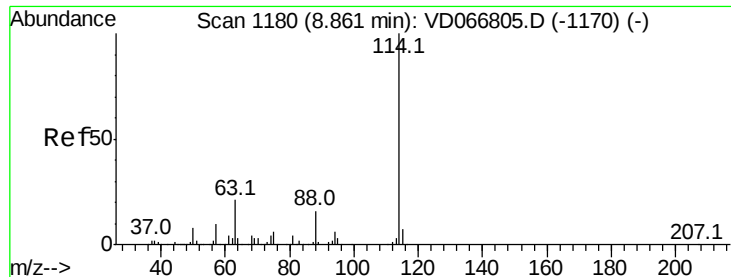
Tgt Ion: 65 Resp: 185315

Ion Ratio Lower Upper

65 100

67 53.9 0.0 107.2

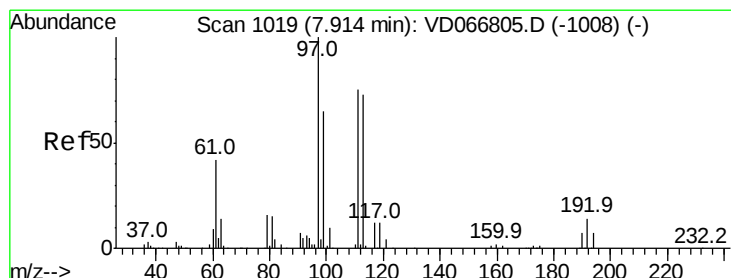
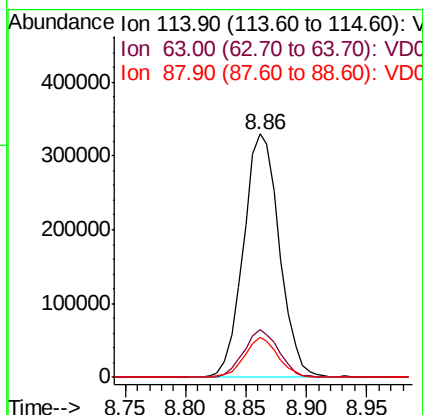
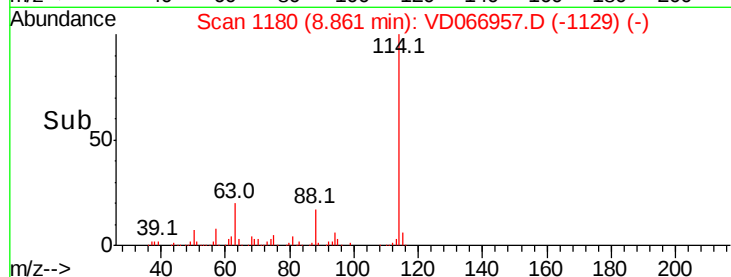
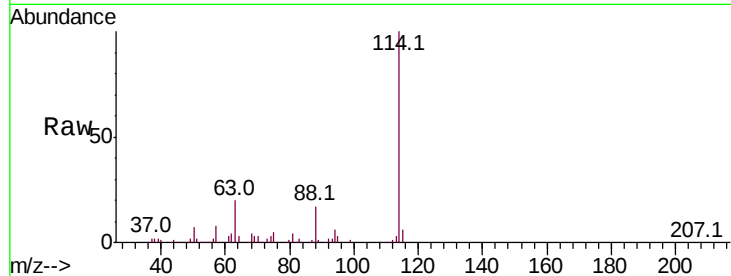




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066957.D
 Acq: 30 Sep 2020 01:00

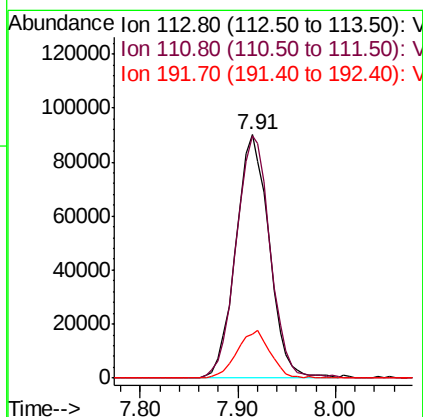
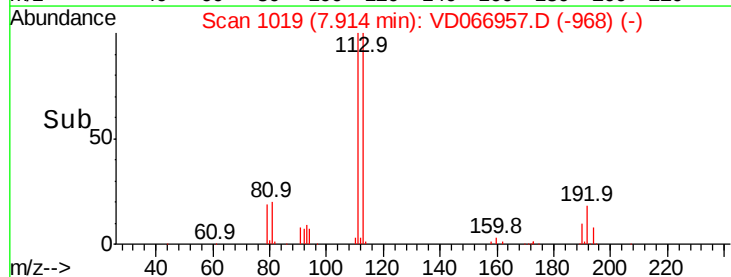
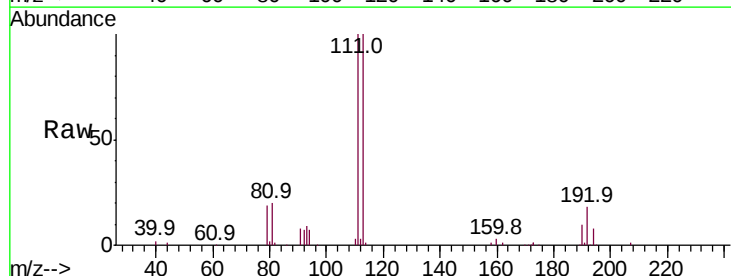
Instrument :
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 B-10(1-2)

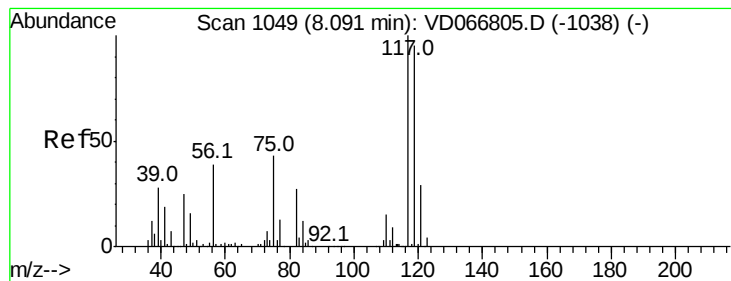
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	42.6
88	16.6	0.0	32.6



#35
 Dibromofluoromethane
 Concen: 49.678 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD066957.D
 Acq: 30 Sep 2020 01:00

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.8	122.8
192	19.4	14.4	21.6





#38

Carbon Tetrachloride

Concen: 5.987 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066957.D

Acq: 30 Sep 2020 01:00

Instrument :

MSVOA_D

ClientSampled :

B-10(1-2)

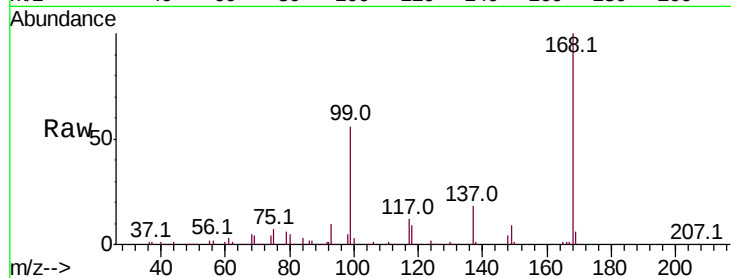
Tot Ion:117 Resp: 44305

Ion Ratio Lower Upper

117 100

119 3.5 75.8 113.8#

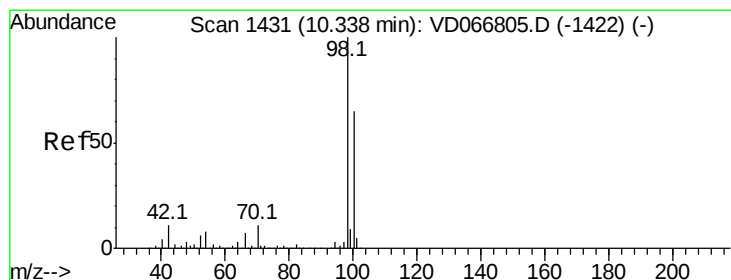
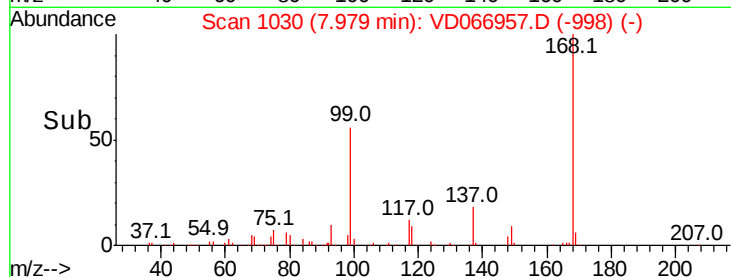
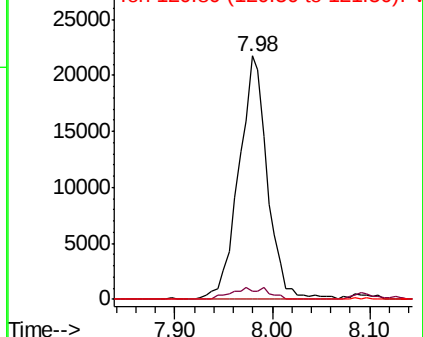
121 0.0 23.4 35.0#



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: 55.555 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066957.D

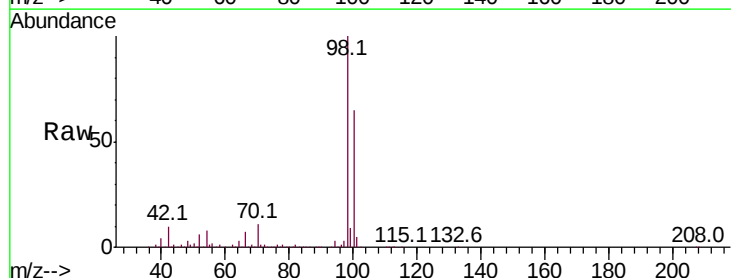
Acq: 30 Sep 2020 01:00

Tgt Ion: 98 Resp: 821632

Ion Ratio Lower Upper

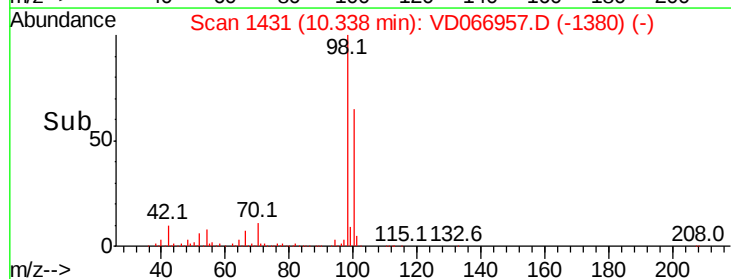
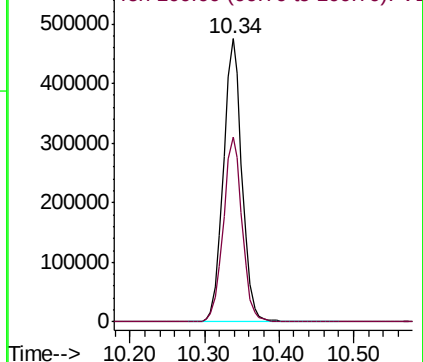
98 100

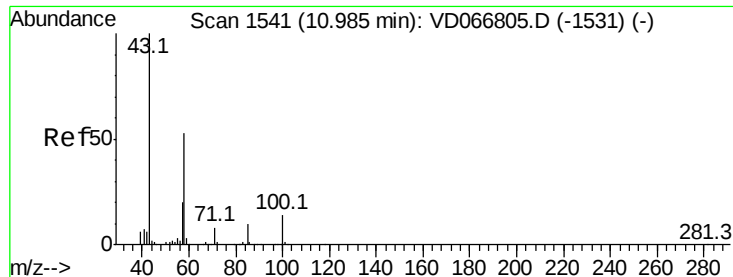
100 66.3 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

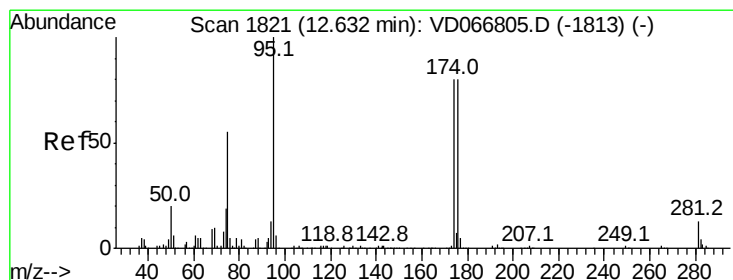
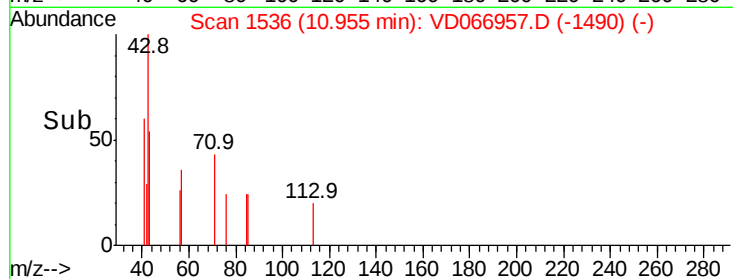
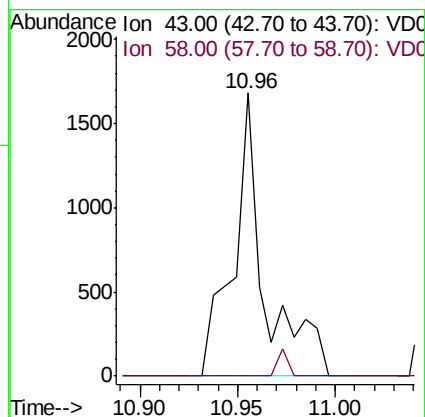
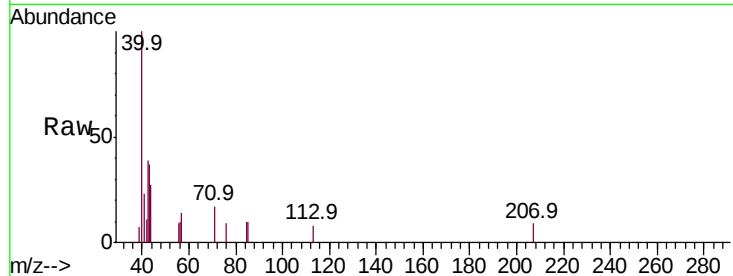




#59
2-Hexanone
Concen: 1.157 ug/l
RT: 10.96 min Scan# 1536
Delta R.T. -0.03 min
Lab File: VD066957.D
Acq: 30 Sep 2020 01:00

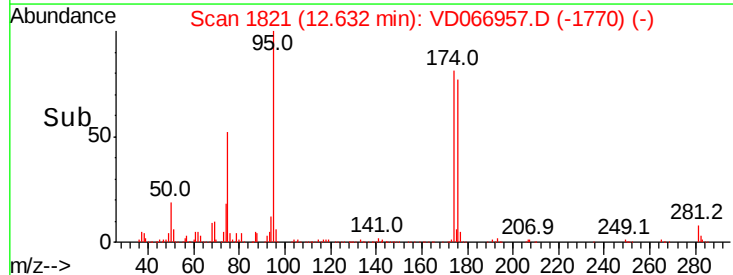
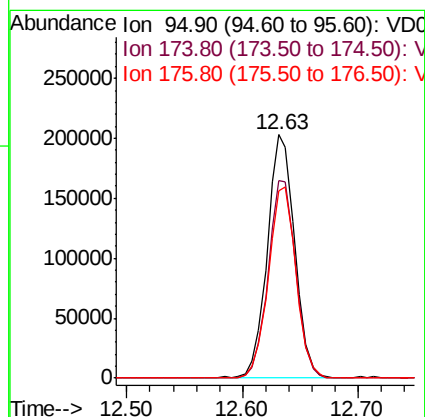
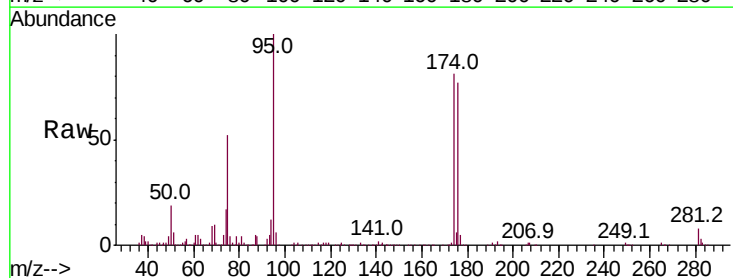
Instrument :
MSVOA_D
ClientSampleId :
B-10(1-2)

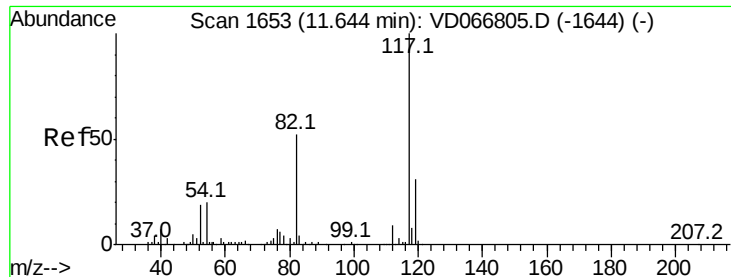
Tot Ion: 43 Resp: 1865
Ion Ratio Lower Upper
43 100
58 3.1 27.0 80.8#



#62
4-Bromofluorobenzene
Concen: 66.223 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066957.D
Acq: 30 Sep 2020 01:00

Tgt Ion: 95 Resp: 335288
Ion Ratio Lower Upper
95 100
174 81.9 0.0 159.8
176 79.1 0.0 154.4

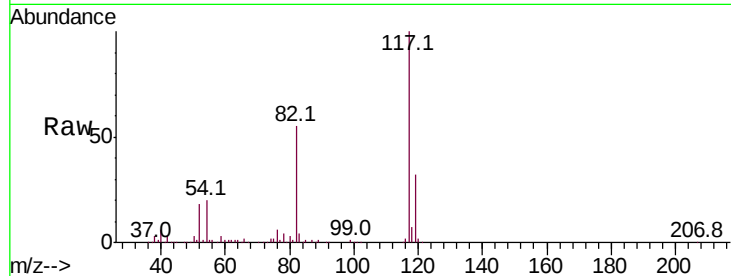




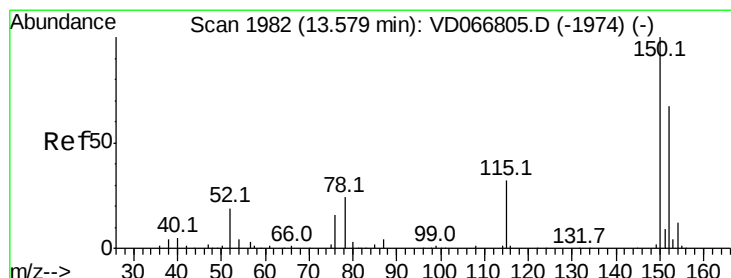
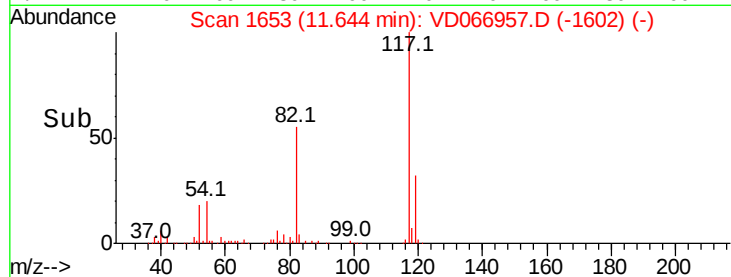
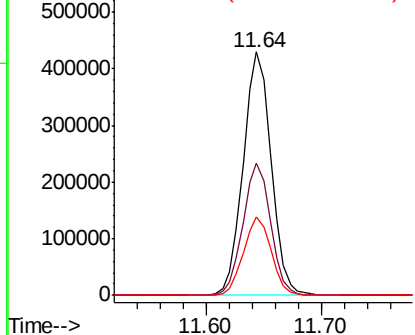
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066957.D
Acq: 30 Sep 2020 01:00

Instrument :
MSVOA_D
ClientSampleId :
B-10(1-2)

Tot Ion:117 Resp: 725110
Ion Ratio Lower Upper
117 100
82 54.5 41.8 62.6
119 32.2 24.6 37.0

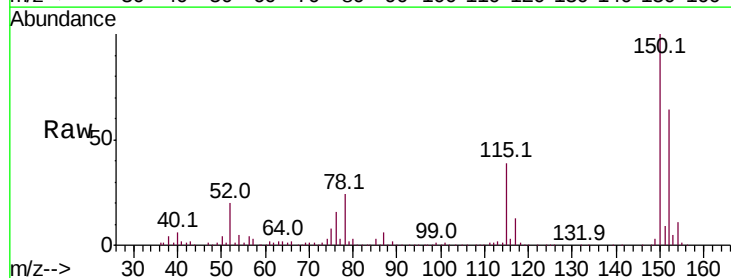


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

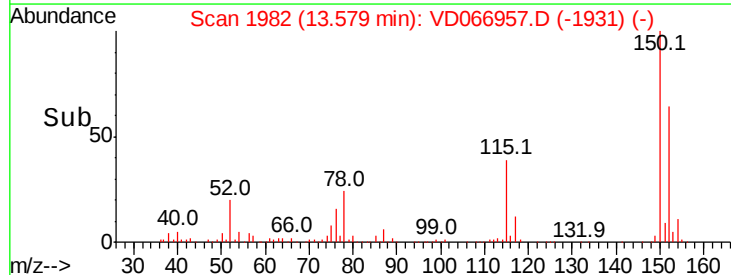
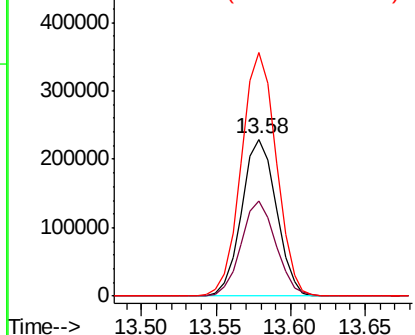


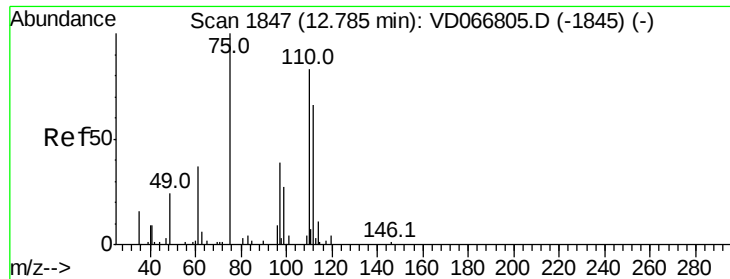
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066957.D
Acq: 30 Sep 2020 01:00

Tgt Ion:152 Resp: 368335
Ion Ratio Lower Upper
152 100
115 61.3 30.3 91.0
150 157.1 0.0 346.2



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: 55.572 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066957.D

Acq: 30 Sep 2020 01:00

Instrument :

MSVOA_D

ClientSampleId :

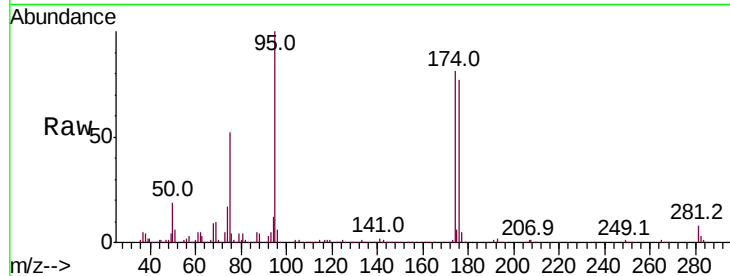
B-10(1-2)

Tot Ion: 75 Resp: 169631

Ion Ratio Lower Upper

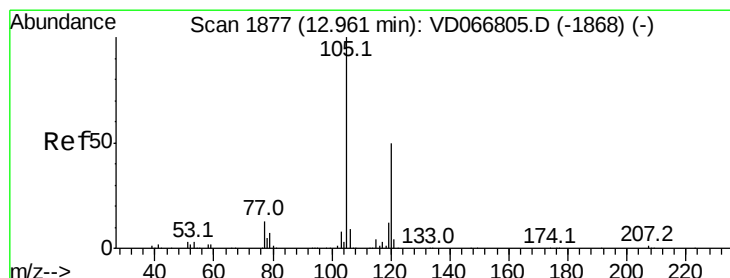
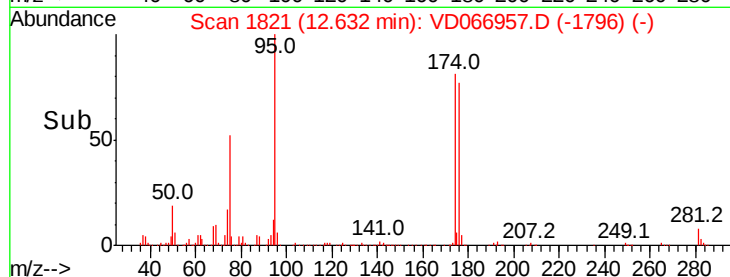
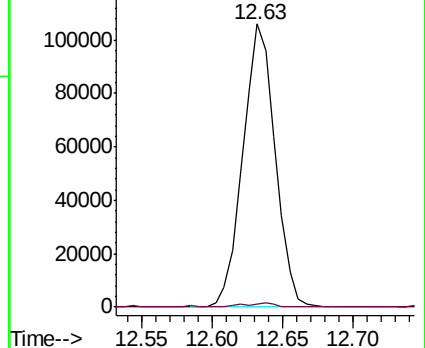
75 100

77 1.5 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: 2.615 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066957.D

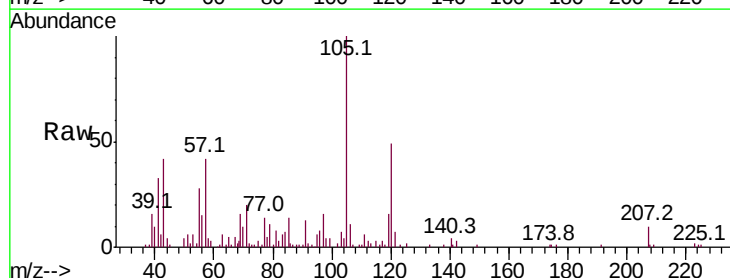
Acq: 30 Sep 2020 01:00

Tgt Ion:105 Resp: 59051

Ion Ratio Lower Upper

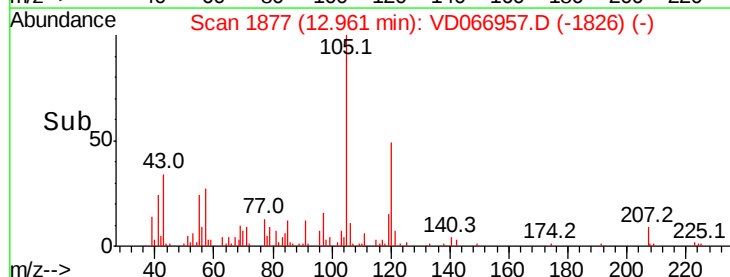
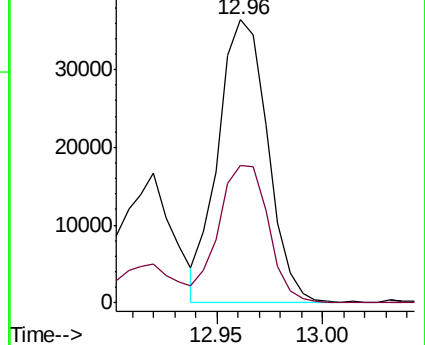
105 100

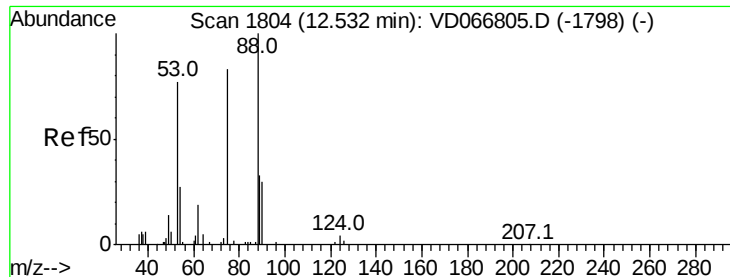
120 48.9 24.4 73.4



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: 139.036 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066957.D

Acq: 30 Sep 2020 01:00

Instrument :

MSVOA_D

ClientSampleId :

B-10(1-2)

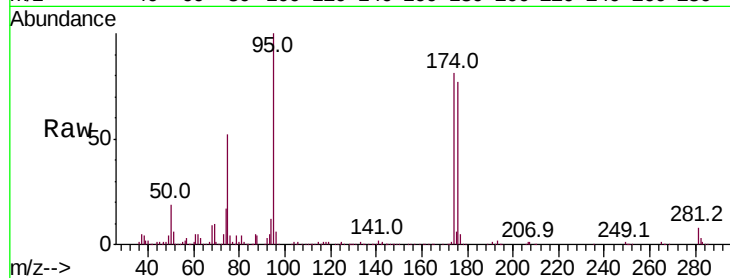
Tot Ion: 75 Resp: 169631

Ion Ratio Lower Upper

75 100

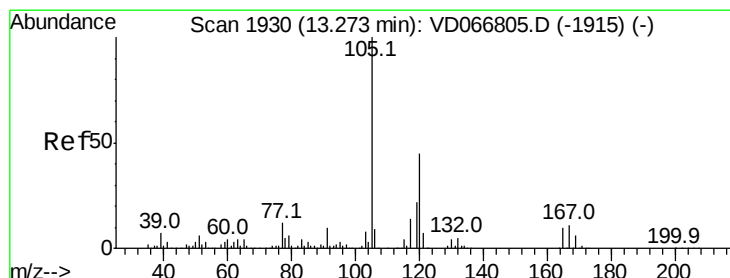
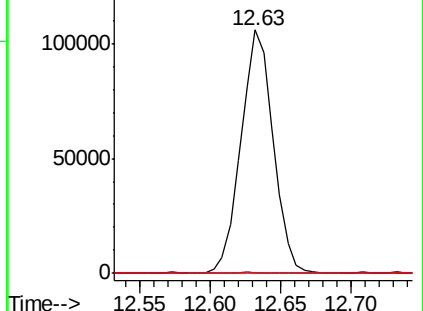
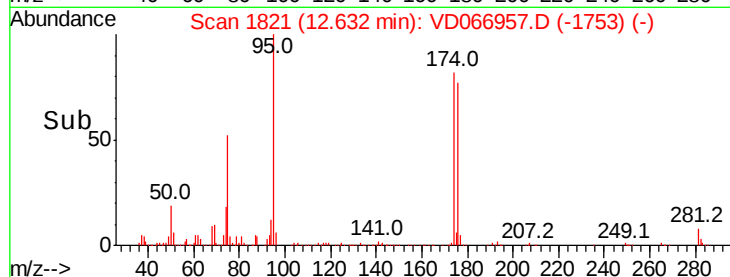
53 0.2 78.5 117.7#

89 0.1 38.1 57.1#



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

12.63



#84

1,2,4-Trimethylbenzene

Concen: 1.488 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD066957.D

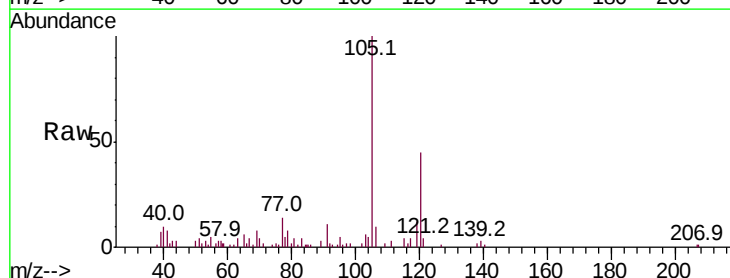
Acq: 30 Sep 2020 01:00

Tgt Ion:105 Resp: 33324

Ion Ratio Lower Upper

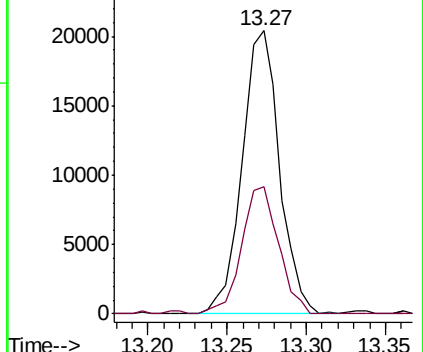
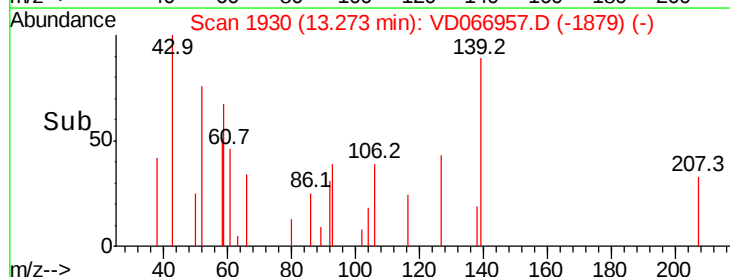
105 100

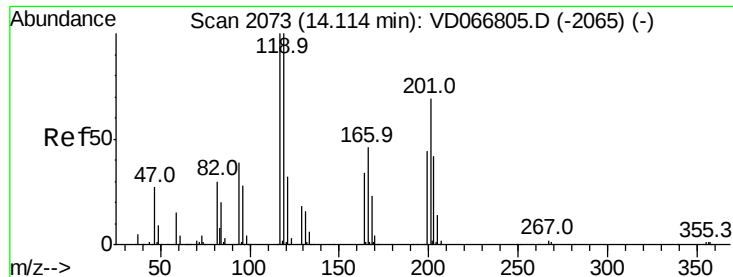
120 44.6 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

13.27





#90

Hexachloroethane

Concen: 1.718 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.01 min

Lab File: VD066957.D

Acq: 30 Sep 2020 01:00

Instrument :

MSVOA_D

ClientSampleId :

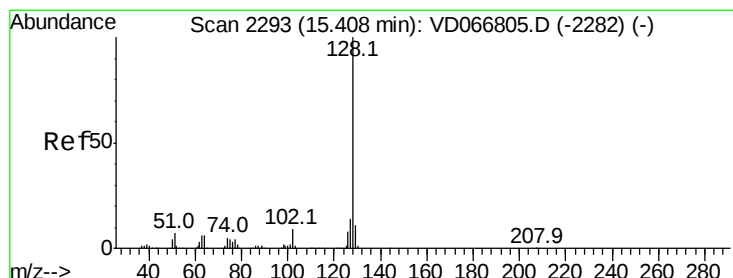
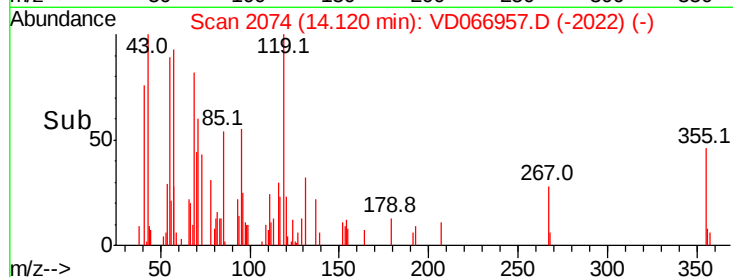
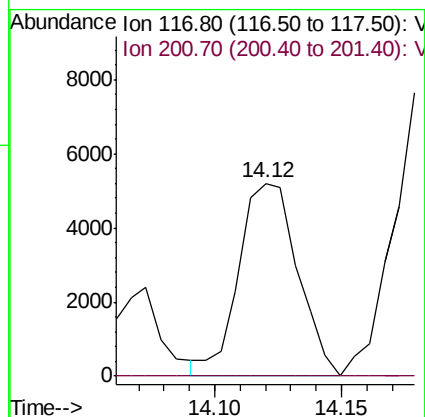
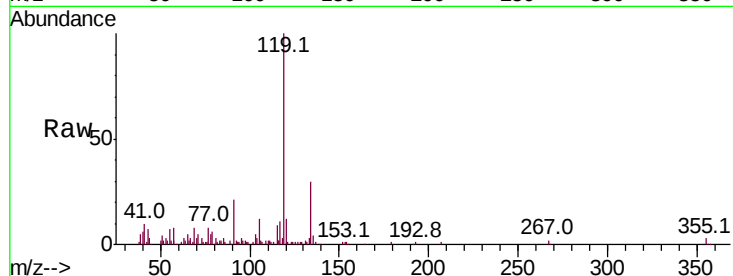
B-10(1-2)

Tot Ion:117 Resp: 8390

Ion Ratio Lower Upper

117 100

201 0.0 33.7 101.0#



#95

Naphthalene

Concen: 2.640 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD066957.D

Acq: 30 Sep 2020 01:00

Tgt Ion:128 Resp: 29678

Ion Ratio Lower Upper

128 100

127 13.8 10.6 16.0

129 12.2 8.9 13.3

