

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072920\
 Data File : VD066087.D
 Acq On : 29 Jul 2020 12:40
 Operator : VA/SY
 Sample : L3180-01
 Misc : 7.52G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 30 01:29:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	239104	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	373194	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	377962	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	175811	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	105732	54.35	ug/l	0.00
Spiked Amount			Recovery	=	108.70%	
35) Dibromofluoromethane	7.91	113	117625	51.97	ug/l	0.00
Spiked Amount			Recovery	=	103.94%	
50) Toluene-d8	10.34	98	449750	53.34	ug/l	0.00
Spiked Amount			Recovery	=	106.68%	
62) 4-Bromofluorobenzene	12.64	95	172198	58.90	ug/l	0.00
Spiked Amount			Recovery	=	117.80%	

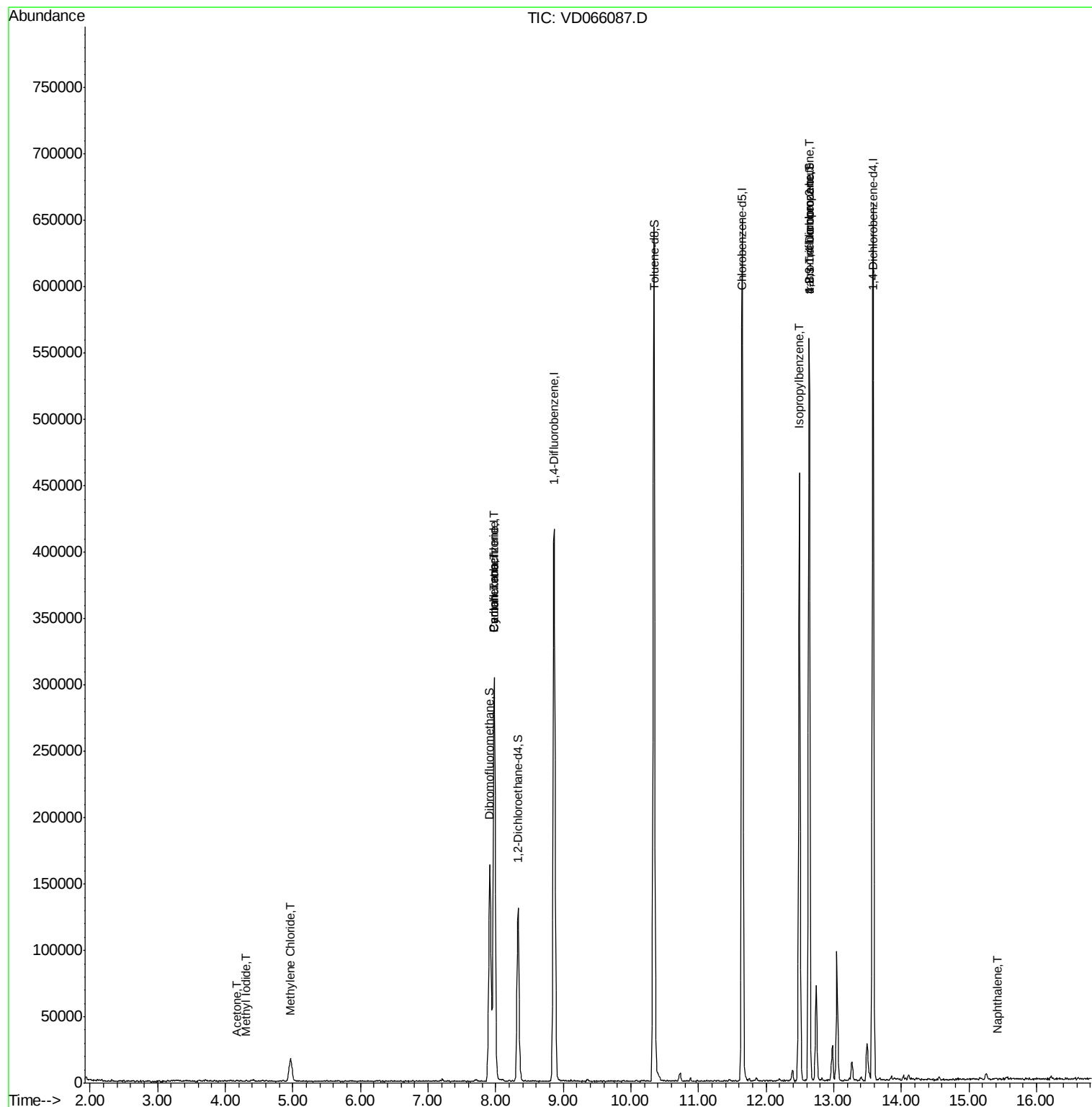
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.78	94	119	Below Cal	#	4
10) Methyl Iodide	4.31	142	278	8.922	ug/l #	42
11) Tert butyl alcohol	5.25	59	59	Below Cal	#	83
16) Acetone	4.17	43	483	1.226	ug/l #	42
20) Methylene Chloride	4.97	84	13373	3.377	ug/l #	86
31) Cyclohexane	7.98	56	4761	1.360	ug/l #	36
38) Carbon Tetrachloride	7.98	117	22697	6.568	ug/l #	16
73) Isopropylbenzene	12.49	105	22827	2.146	ug/l #	65
76) 1,2,3-Trichloropropane	12.64	75	89118	67.322	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	89118	154.480	ug/l #	11
95) Naphthalene	15.41	128	894	3.696	ug/l #	68

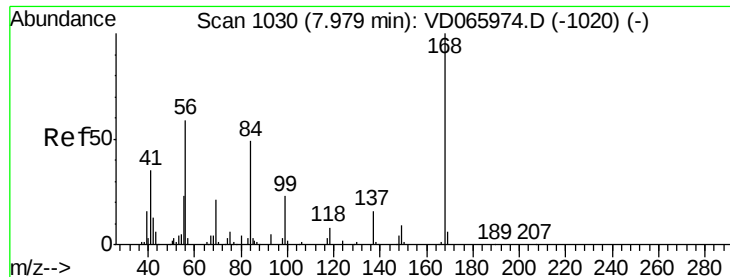
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072920\
Data File : VD066087.D
Acq On : 29 Jul 2020 12:40
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Sample : L3180-01
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ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jul 30 01:29:52 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 21 12:34:13 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: VD066087.D

Acq: 29 Jul 2020 12:40

Instrument :

MSVOA_D

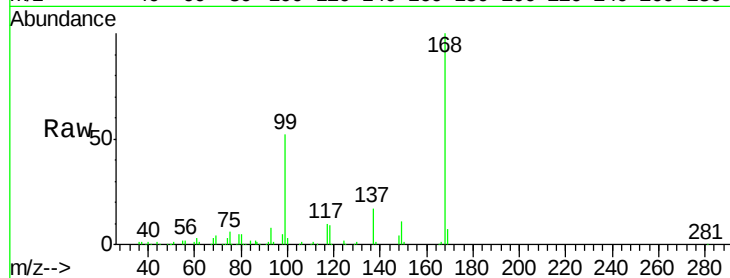
ClientSampleId :

Tot Ion:168 Resp: 239104

Ion Ratio Lower Upper

168 100

99 51.5 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

120000

100000

80000

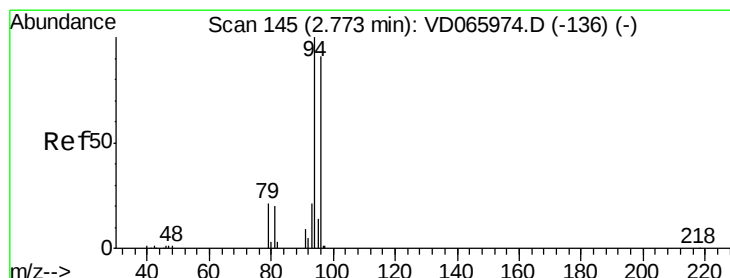
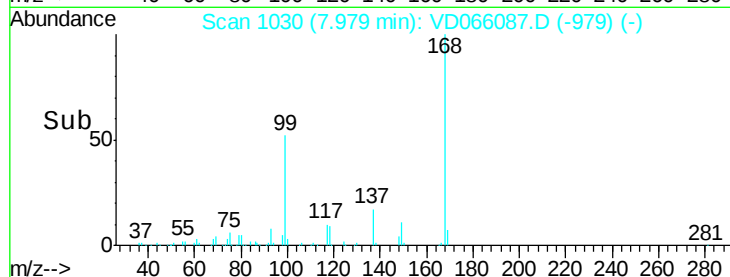
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD066087.D

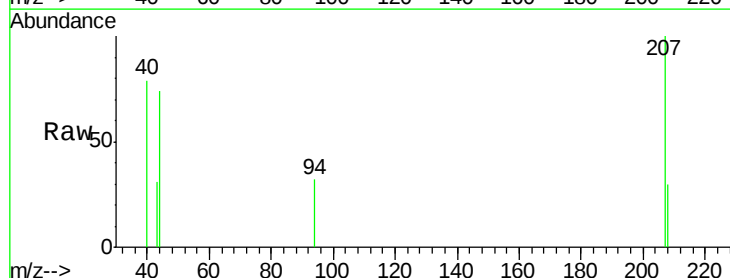
Acq: 29 Jul 2020 12:40

Tgt Ion: 94 Resp: 119

Ion Ratio Lower Upper

94 100

96 0.0 73.0 109.4#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.78

200

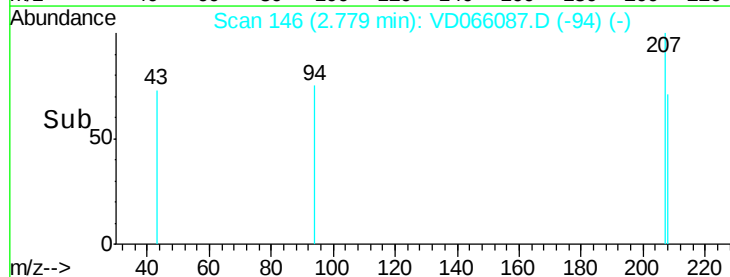
150

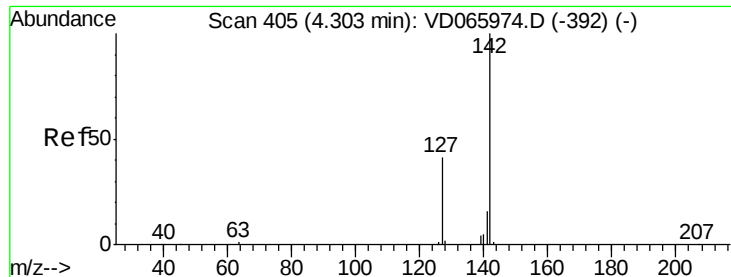
100

50

0

Time-->

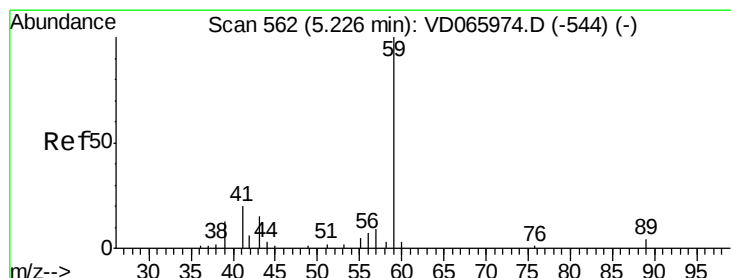
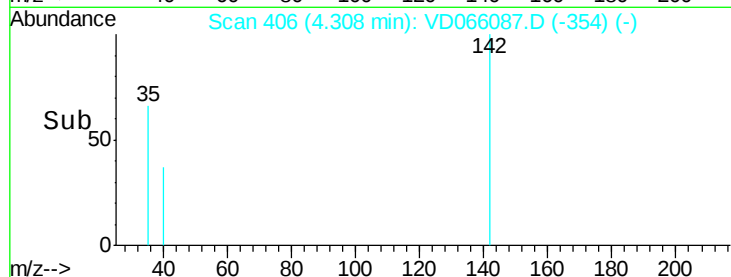
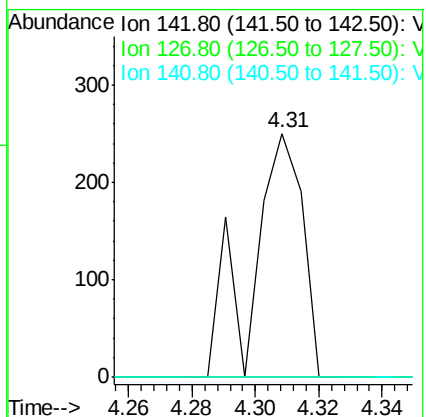
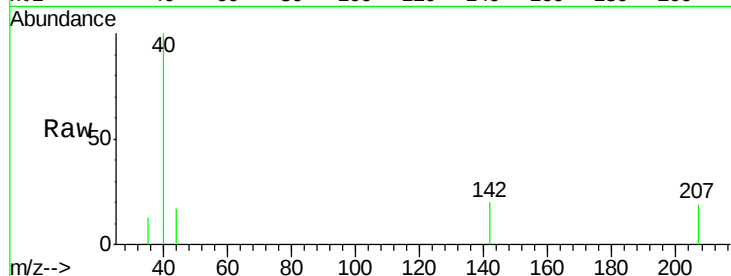




#10
Methyl Iodide
Concen: 8.922 ug/l
RT: 4.31 min Scan# 406
Delta R.T. 0.01 min
Lab File: VD066087.D
Acq: 29 Jul 2020 12:40

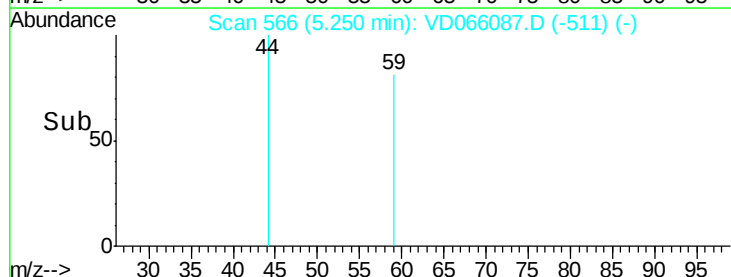
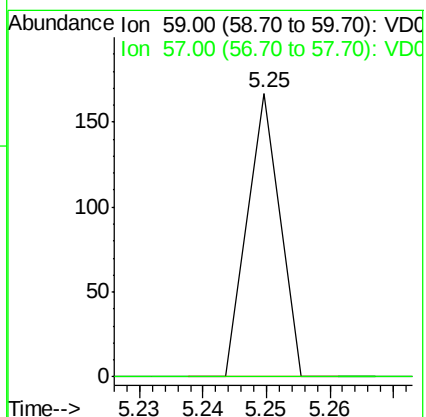
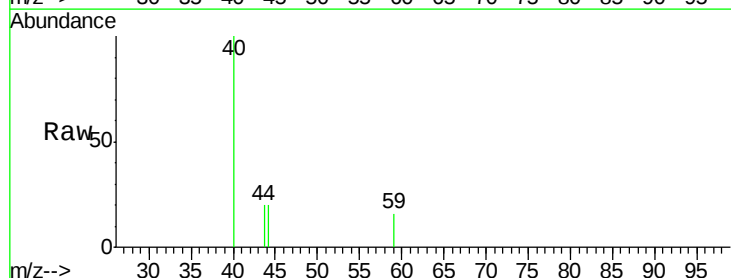
Instrument :
MSVOA_D
ClientSampled :

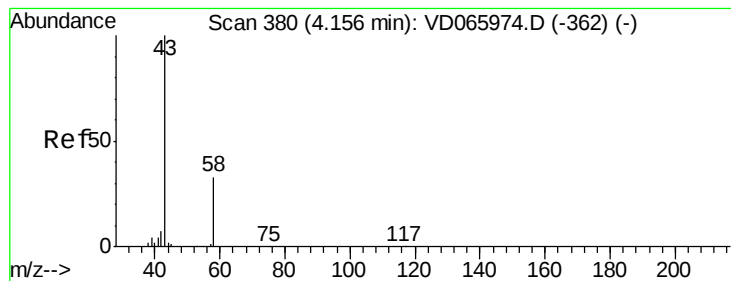
Tot Ion: 142 Resp: 278
Ion Ratio Lower Upper
142 100
127 0.0 32.9 49.3#
141 0.0 11.8 17.6#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.25 min Scan# 566
Delta R.T. 0.02 min
Lab File: VD066087.D
Acq: 29 Jul 2020 12:40

Tgt Ion: 59 Resp: 59
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#





#16

Acetone

Concen: 1.226 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD066087.D

Acq: 29 Jul 2020 12:40

Instrument :

MSVOA_D

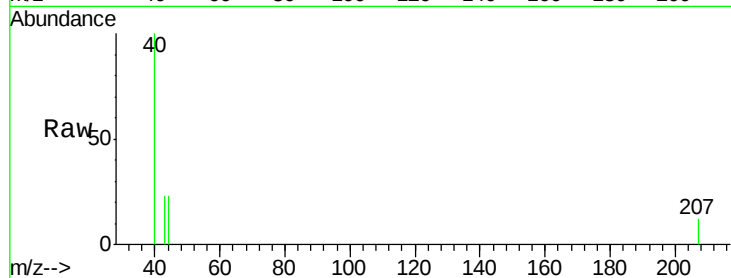
ClientSampleId :

Tot Ion: 43 Resp: 483

Ion Ratio Lower Upper

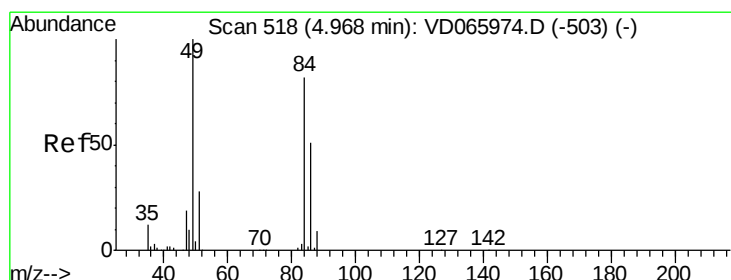
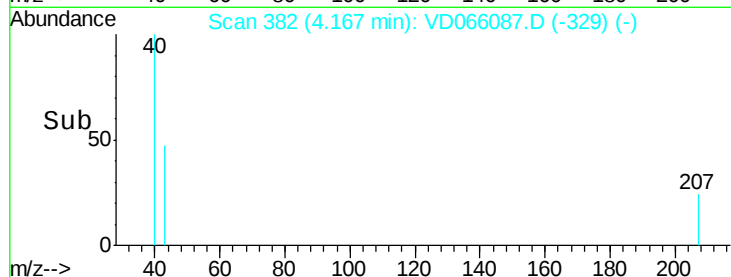
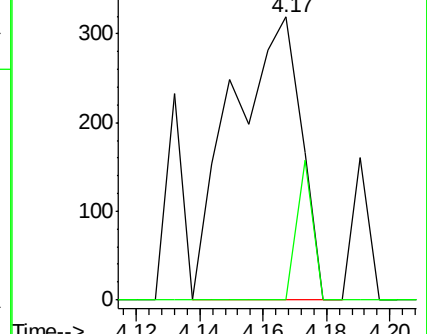
43 100

58 0.0 26.3 39.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: 3.377 ug/l

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD066087.D

Acq: 29 Jul 2020 12:40

Tgt Ion: 84 Resp: 13373

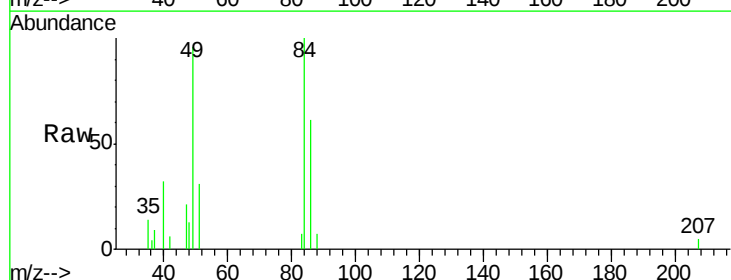
Ion Ratio Lower Upper

84 100

49 95.9 97.7 146.5#

51 30.6 27.4 41.2

86 61.0 49.4 74.2

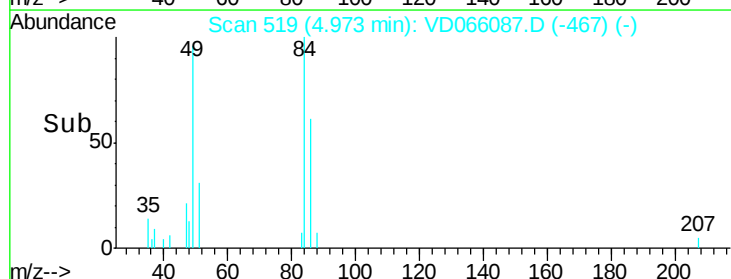
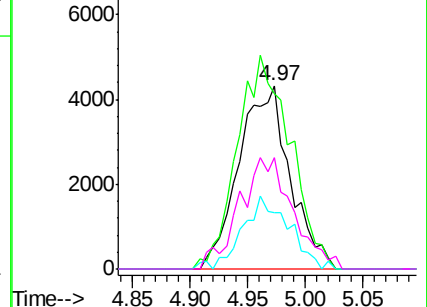


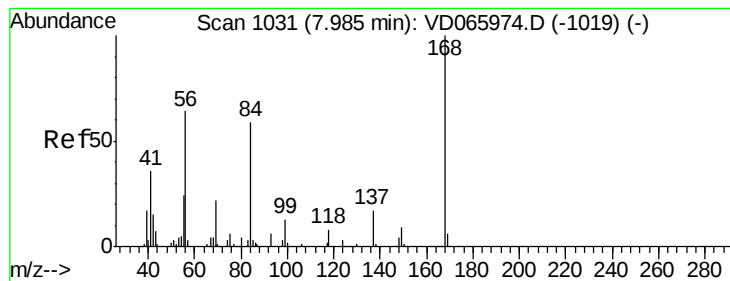
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#31

Cyclohexane

Concen: 1.360 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066087.D

Acq: 29 Jul 2020 12:40

Instrument :

MSVOA_D

ClientSampleId :

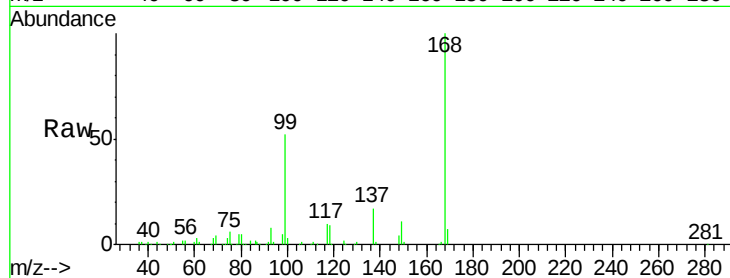
Tot Ion: 56 Resp: 4761

Ion Ratio Lower Upper

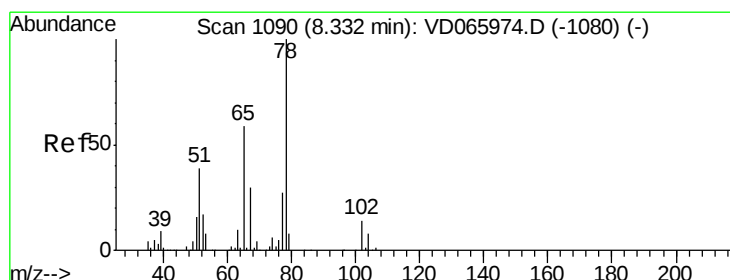
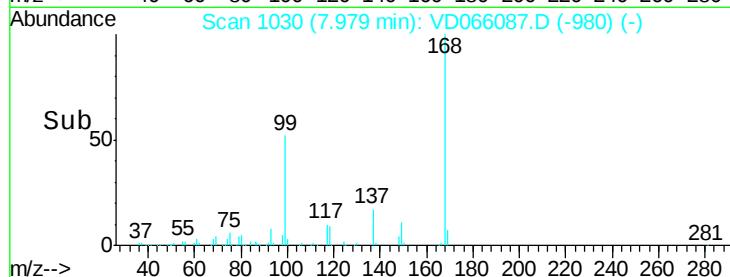
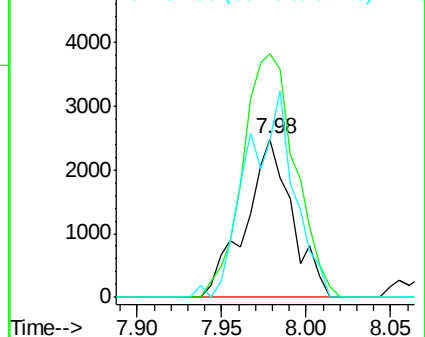
56 100

69 154.1 28.0 42.0#

84 99.4 72.6 109.0



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



#33

1,2-Dichloroethane-d4

Concen: 54.345 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD066087.D

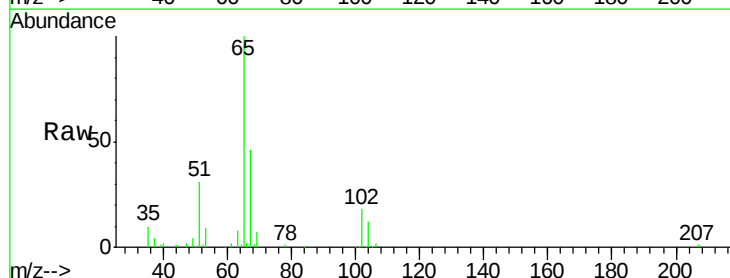
Acq: 29 Jul 2020 12:40

Tgt Ion: 65 Resp: 105732

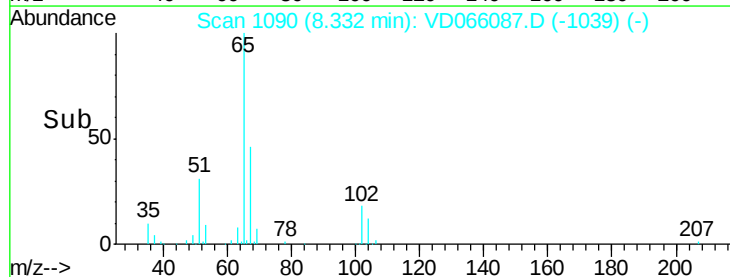
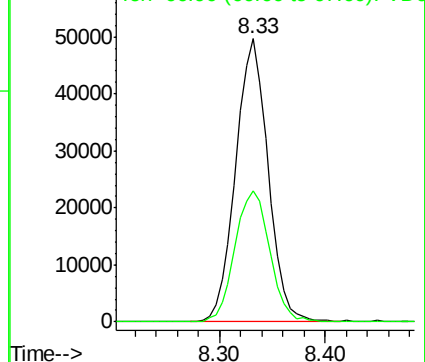
Ion Ratio Lower Upper

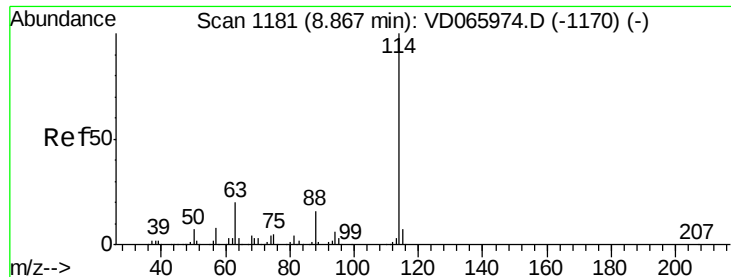
65 100

67 49.4 0.0 105.0



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

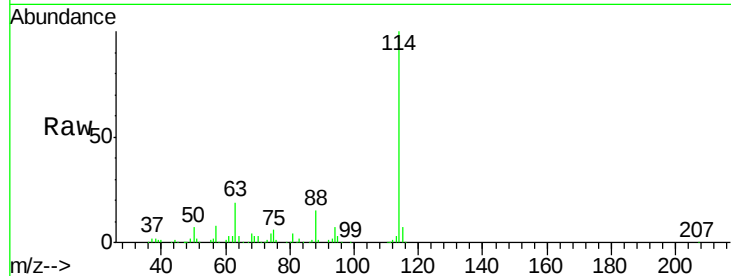




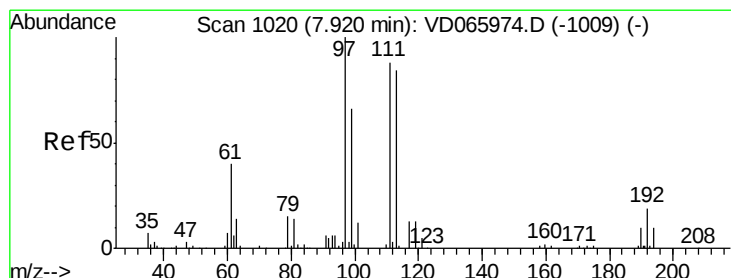
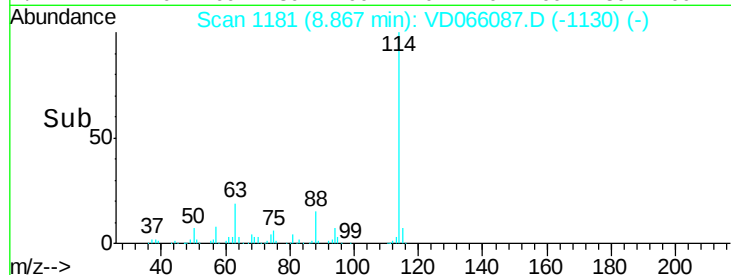
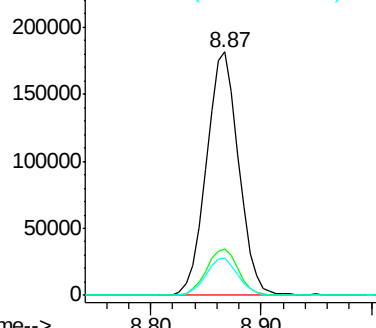
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD066087.D
 Acq: 29 Jul 2020 12:40

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	39.6
88	15.2	0.0	31.2

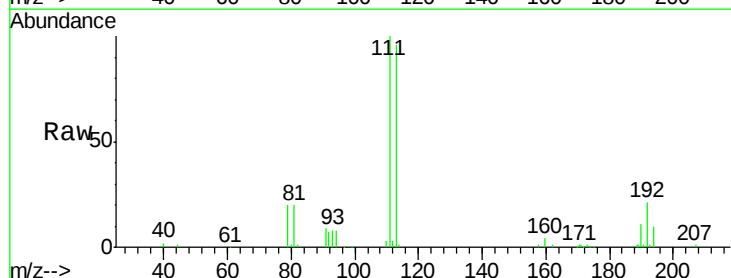


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

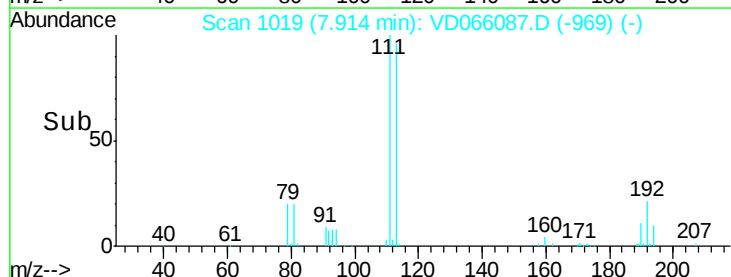
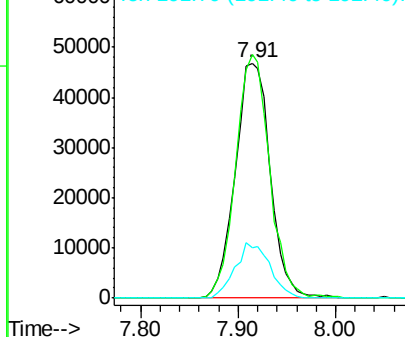


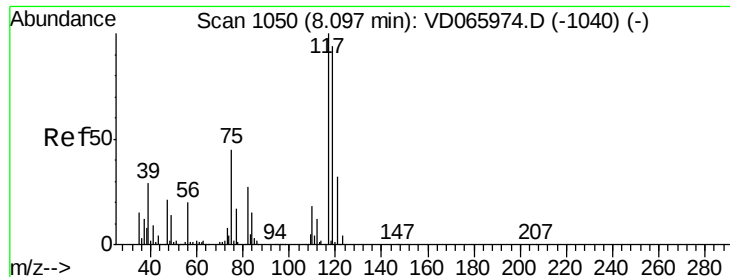
#35
 Dibromofluoromethane
 Concen: 51.965 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD066087.D
 Acq: 29 Jul 2020 12:40

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.1	83.2	124.8
192	23.3	18.7	28.1



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: 6.568 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD066087.D

Acq: 29 Jul 2020 12:40

Instrument :

MSVOA_D

ClientSampleId :

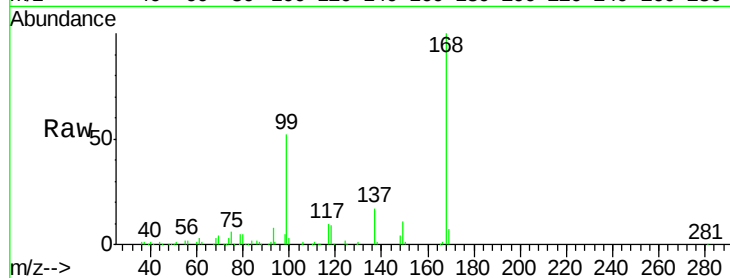
Tot Ion:117 Resp: 22697

Ion Ratio Lower Upper

117 100

119 4.0 75.0 112.6#

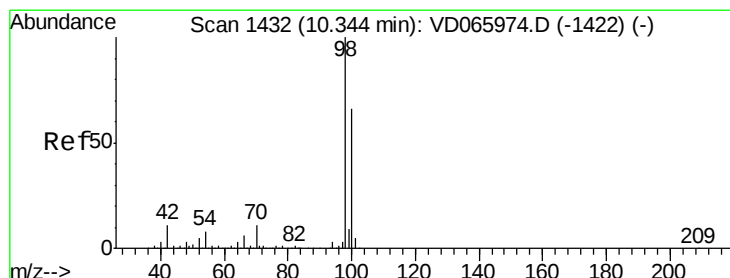
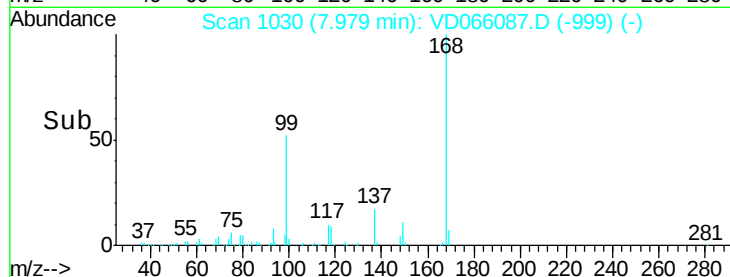
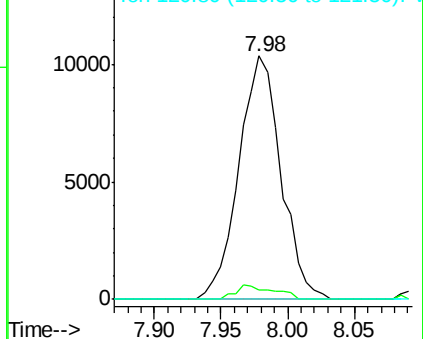
121 0.0 25.5 38.3#



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: 53.337 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD066087.D

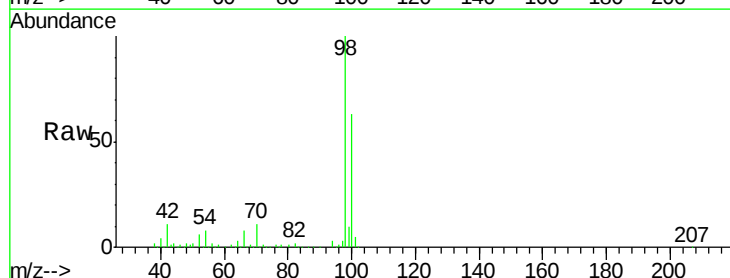
Acq: 29 Jul 2020 12:40

Tgt Ion: 98 Resp: 449750

Ion Ratio Lower Upper

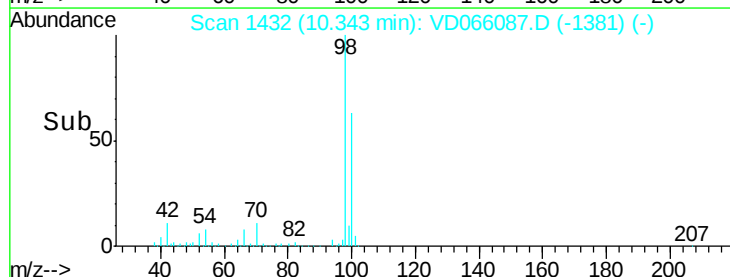
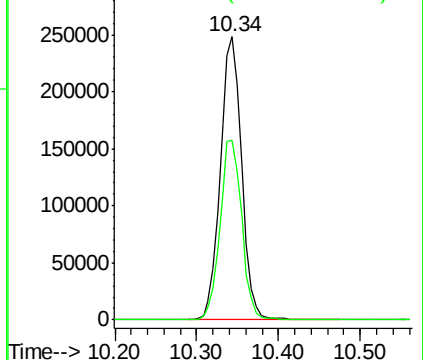
98 100

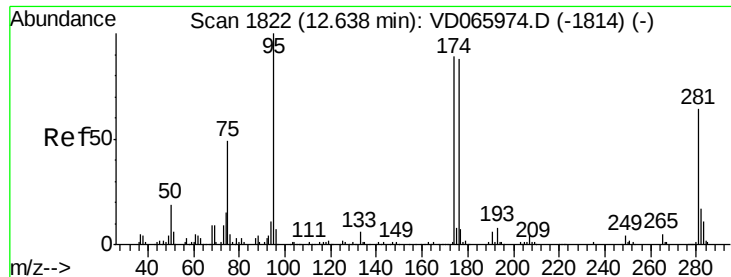
100 64.8 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

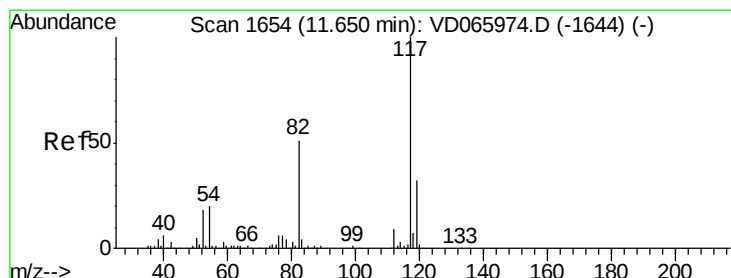
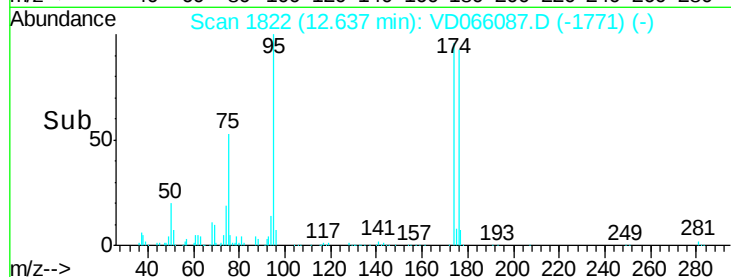
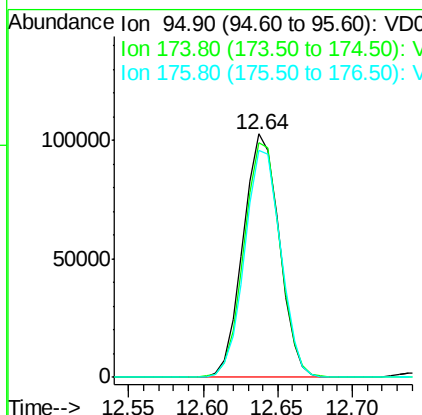
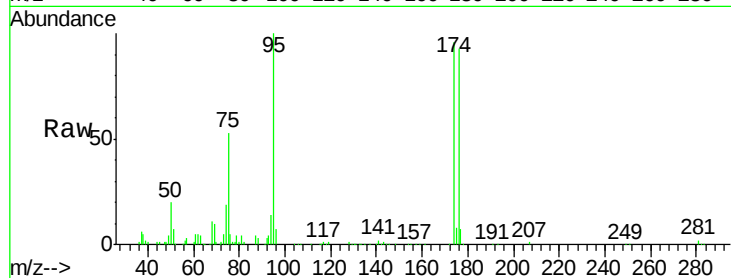




#62
4-Bromofluorobenzene
Concen: 58.895 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD066087.D
Acq: 29 Jul 2020 12:40

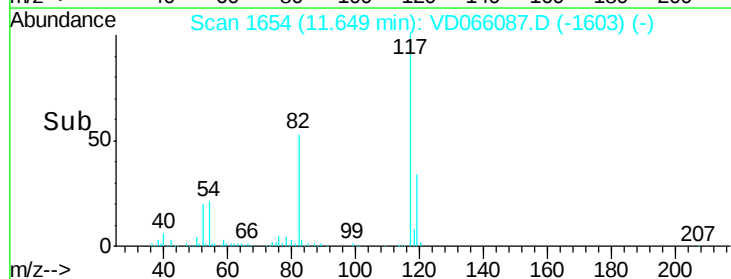
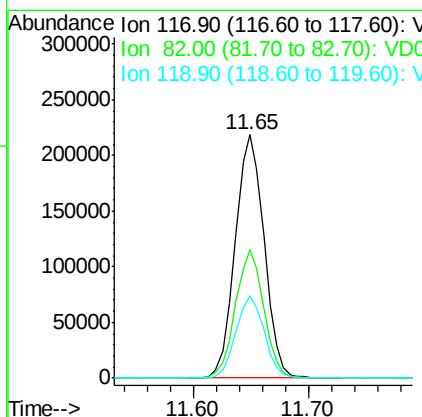
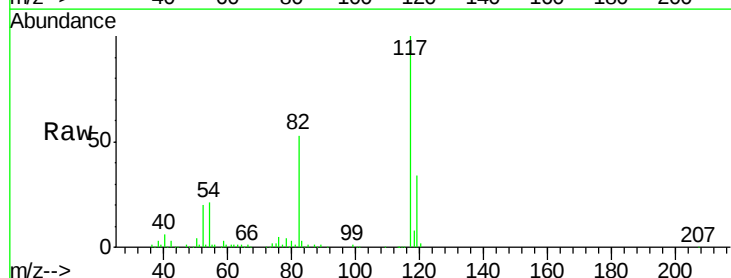
Instrument :
MSVOA_D
ClientSampleId :

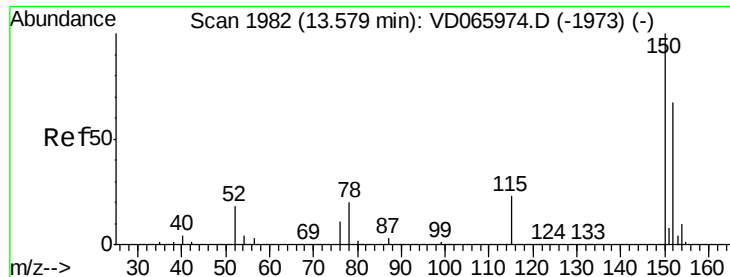
Tot Ion: 95 Resp: 172198
Ion Ratio Lower Upper
95 100
174 96.2 0.0 178.8
176 93.1 0.0 172.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD066087.D
Acq: 29 Jul 2020 12:40

Tgt Ion: 117 Resp: 377962
Ion Ratio Lower Upper
117 100
82 52.6 41.1 61.7
119 34.0 25.9 38.9



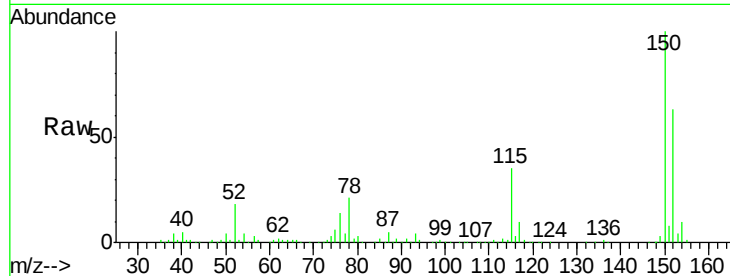


#72

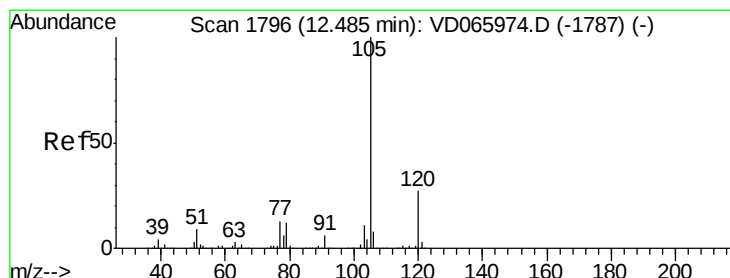
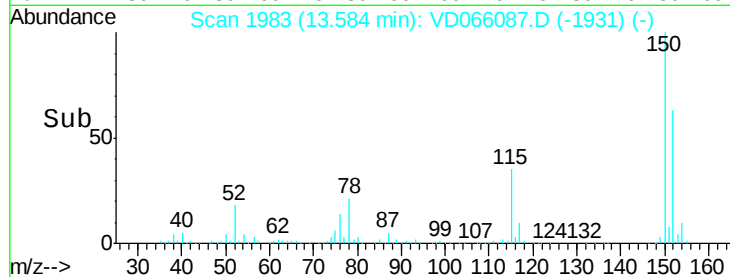
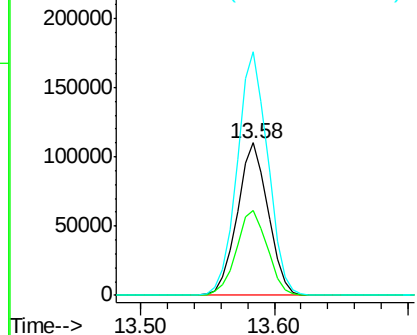
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD066087.D
Acq: 29 Jul 2020 12:40

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 175811
Ion Ratio Lower Upper
152 100
115 55.8 27.9 83.7
150 158.7 0.0 348.2



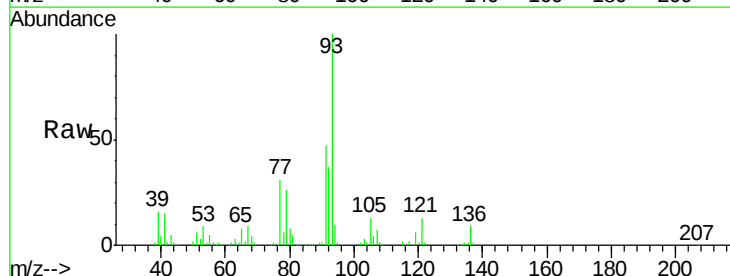
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



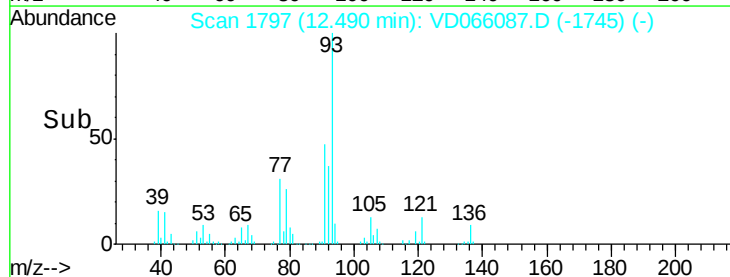
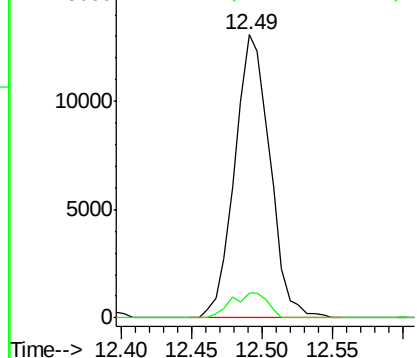
#73

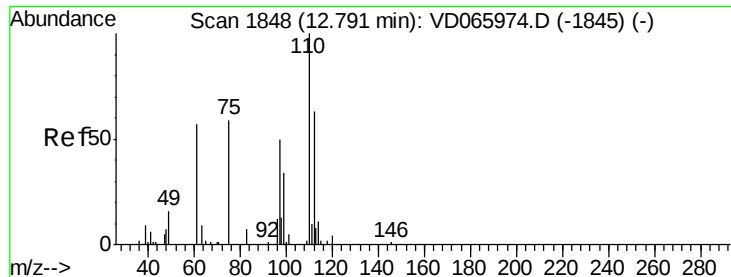
Isopropylbenzene
Concen: 2.146 ug/l
RT: 12.49 min Scan# 1797
Delta R.T. 0.01 min
Lab File: VD066087.D
Acq: 29 Jul 2020 12:40

Tgt Ion:105 Resp: 22827
Ion Ratio Lower Upper
105 100
120 9.1 13.6 40.8#



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





#76

1,2,3-Trichloropropane

Concen: 67.322 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066087.D

Acq: 29 Jul 2020 12:40

Instrument :

MSVOA_D

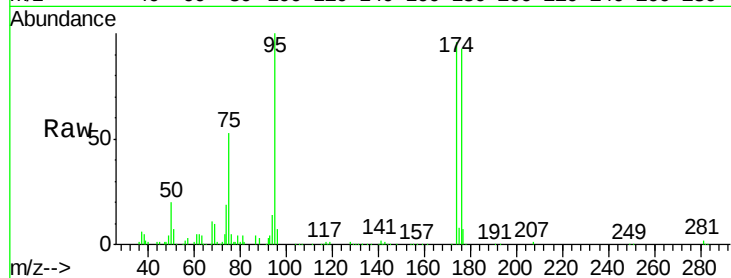
ClientSampleId :

Tot Ion: 75 Resp: 89118

Ion Ratio Lower Upper

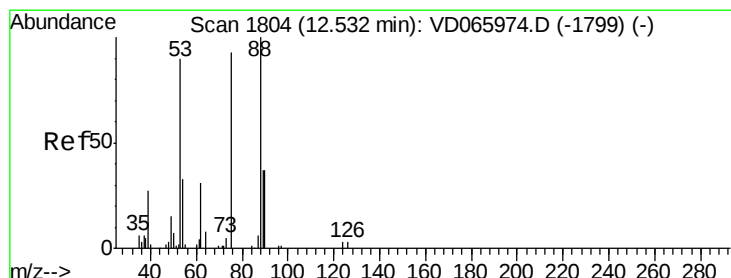
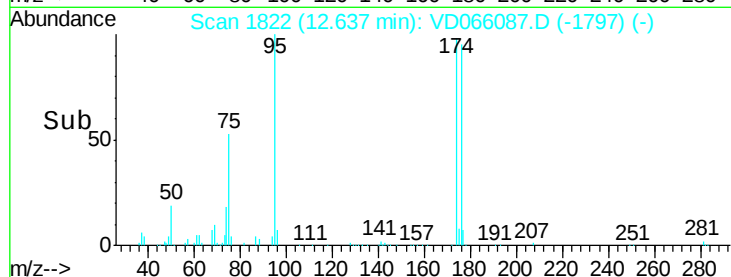
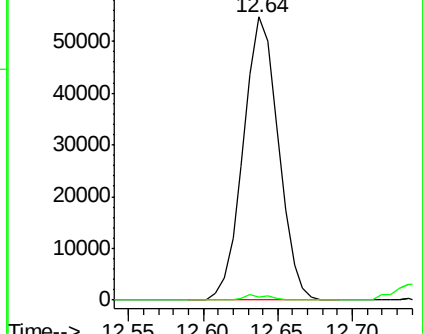
75 100

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: 154.480 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066087.D

Acq: 29 Jul 2020 12:40

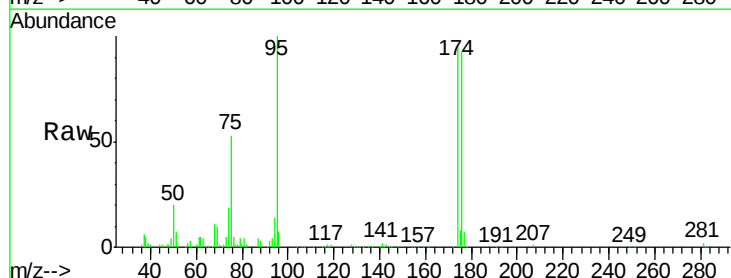
Tgt Ion: 75 Resp: 89118

Ion Ratio Lower Upper

75 100

53 0.0 76.8 115.2#

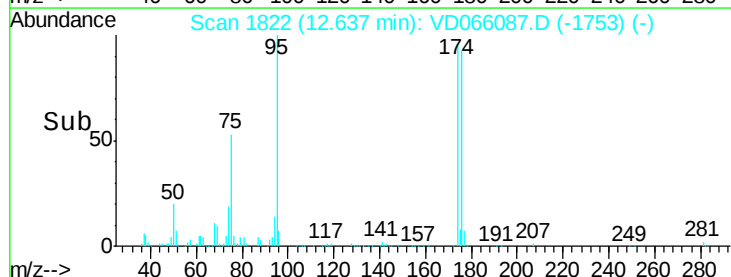
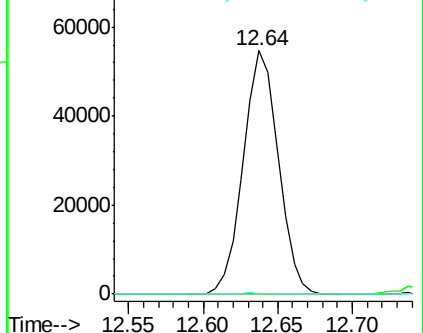
89 0.1 37.0 55.4#

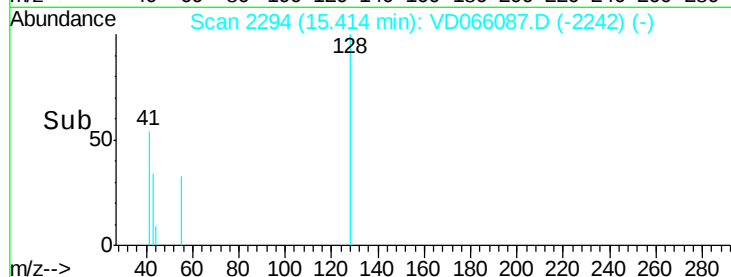
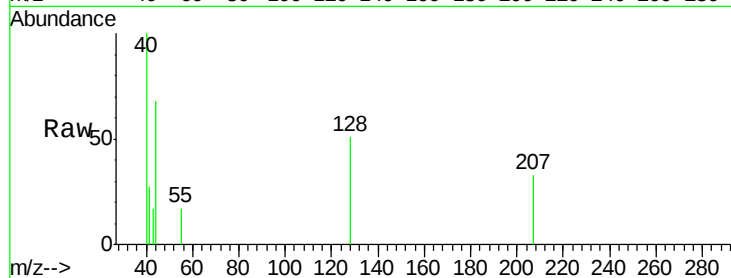
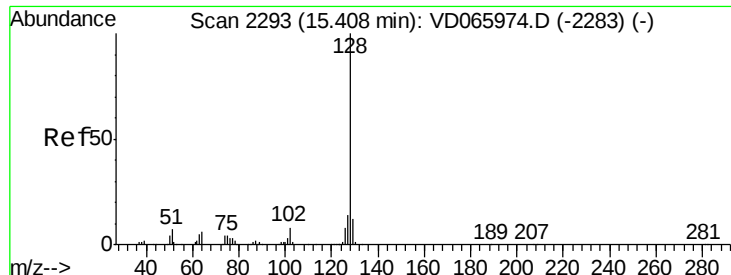


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#95

Naphthalene

Concen: 3.696 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD066087.D

Acq: 29 Jul 2020 12:40

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:128 Resp: 894

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 0.0 8.9 13.3#

