

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072220\
 Data File : VD066004.D
 Acq On : 22 Jul 2020 16:21
 Operator : VA/SY
 Sample : L3354-01
 Misc : 5.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BACK-YARD

Quant Time: Jul 23 01:05:10 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	280240	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	416594	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	374494	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	159434	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	108576	47.62	ug/l	0.00
Spiked Amount			Recovery	=	95.24%	
35) Dibromofluoromethane	7.92	113	116493	46.10	ug/l	0.00
Spiked Amount			Recovery	=	92.20%	
50) Toluene-d8	10.34	98	399552	42.45	ug/l	0.00
Spiked Amount			Recovery	=	84.90%	
62) 4-Bromofluorobenzene	12.64	95	126032	38.62	ug/l	0.00
Spiked Amount			Recovery	=	77.24%	

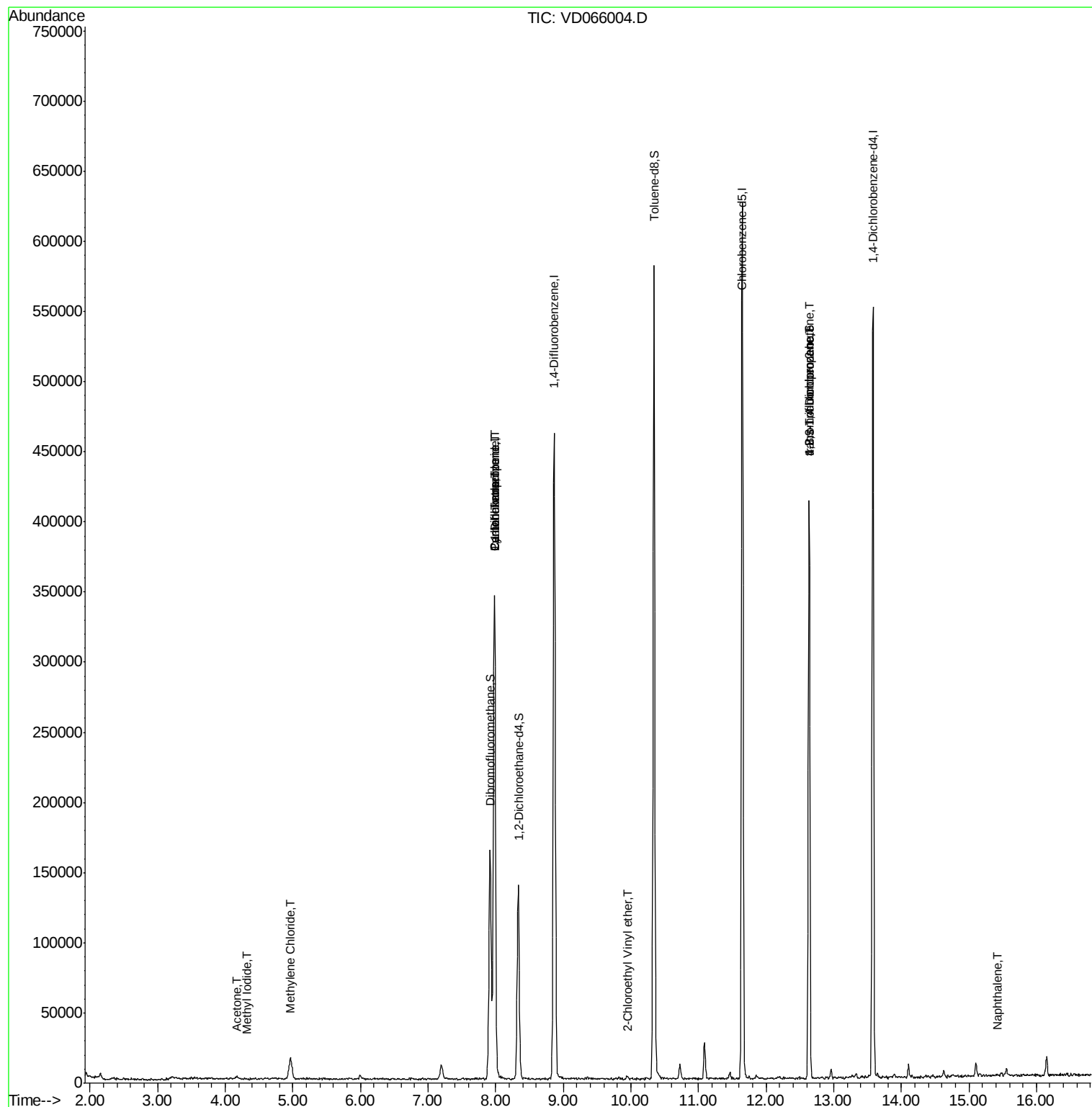
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.79	94	120	Below Cal	#	4
10) Methyl Iodide	4.33	142	65	8.834	ug/l #	42
11) Tert butyl alcohol	5.22	59	429	Below Cal	#	83
16) Acetone	4.17	43	2923	6.333	ug/l #	69
20) Methylene Chloride	4.97	84	11873	1.793	ug/l	92
31) Cyclohexane	7.98	56	5208	1.270	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	18878	5.310	ug/l #	47
38) Carbon Tetrachloride	7.98	117	26854	6.961	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.96	63	1050	1.028	ug/l	90
76) 1,2,3-Trichloropropane	12.64	75	61630	51.339	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	61630	117.805	ug/l #	11
95) Naphthalene	15.41	128	1594	3.840	ug/l #	73

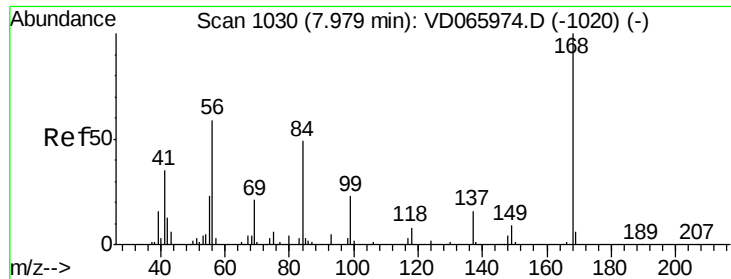
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072220\
Data File : VD066004.D
Acq On : 22 Jul 2020 16:21
Operator : VA/SY
Sample : L3354-01
Misc : 5.01G/5.00ml/MSVOA D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
BACK-YARD

Quant Time: Jul 23 01:05:10 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

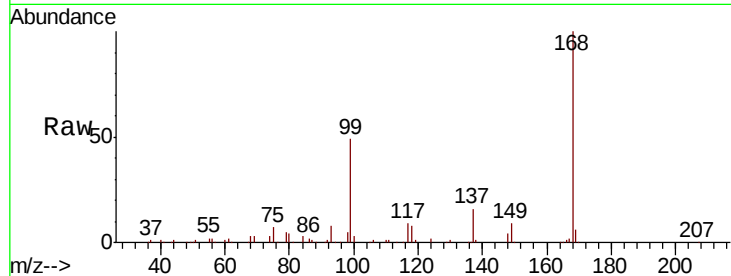




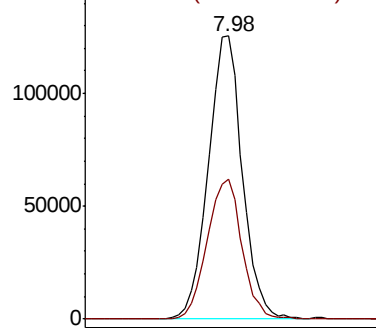
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VD066004.D
Acq: 22 Jul 2020 16:21

Instrument :
MSVOA_D
ClientSampleId :
BACK-YARD

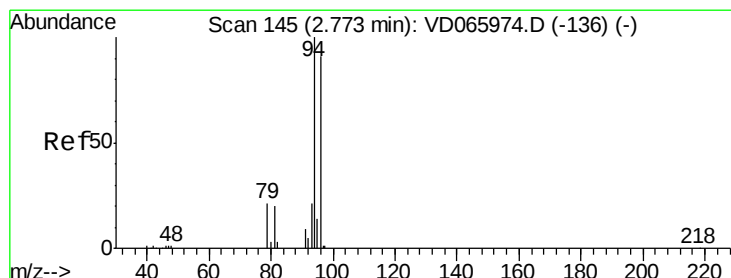
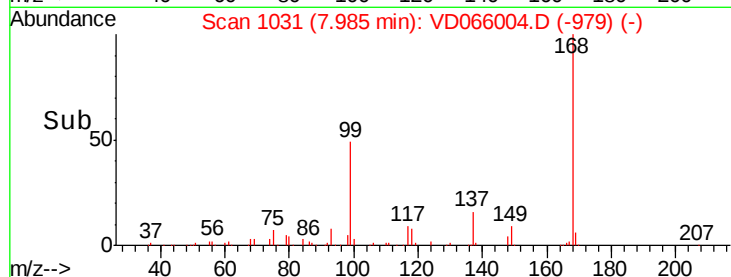
Tot Ion:168 Resp: 280240
Ion Ratio Lower Upper
168 100
99 49.3 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VDC

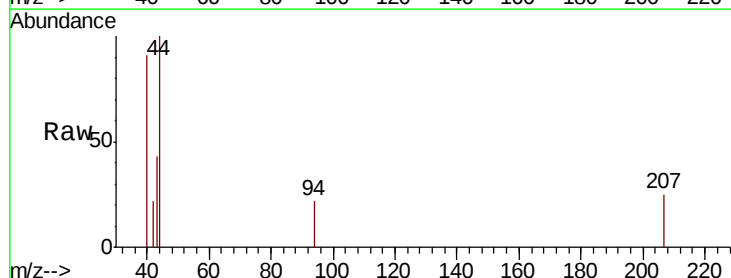


Time-->

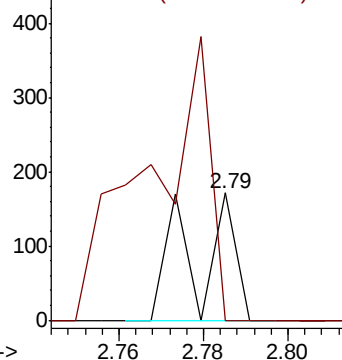


#5
Bromomethane
Concen: Below Cal
RT: 2.79 min Scan# 147
Delta R.T. 0.01 min
Lab File: VD066004.D
Acq: 22 Jul 2020 16:21

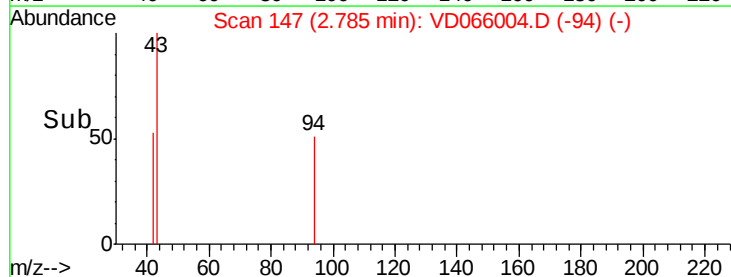
Tgt Ion: 94 Resp: 120
Ion Ratio Lower Upper
94 100
96 0.0 73.0 109.4#

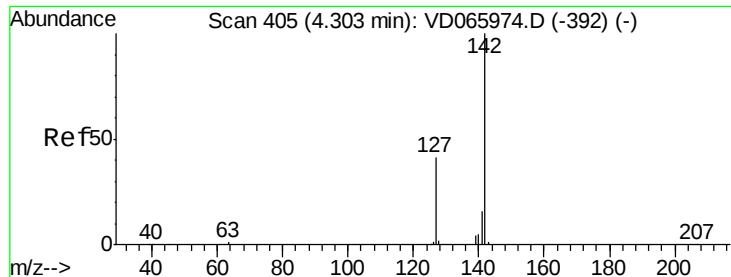


Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



Time-->

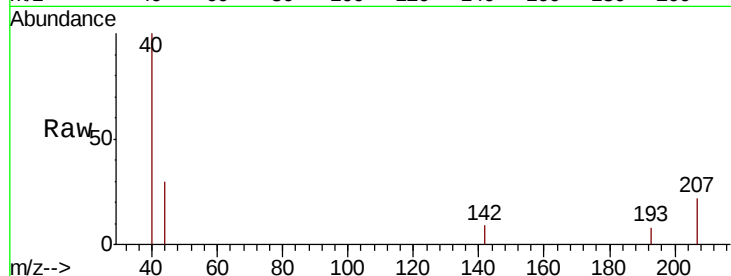




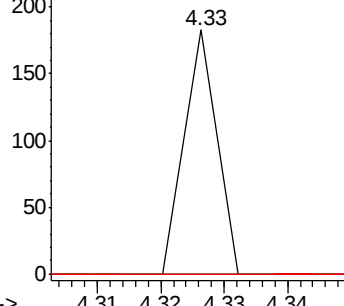
#10
Methyl Iodide
Concen: 8.834 ug/l
RT: 4.33 min Scan# 409
Delta R.T. 0.02 min
Lab File: VD066004.D
Acq: 22 Jul 2020 16:21

Instrument :
MSVOA_D
ClientSampleId :
BACK-YARD

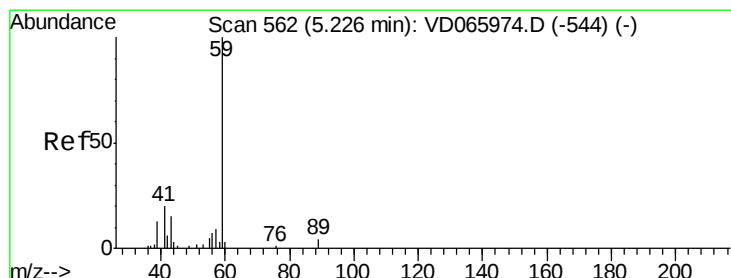
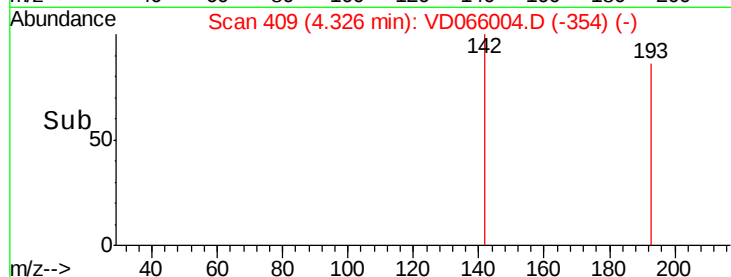
Tot Ion:142 Resp: 65
Ion Ratio Lower Upper
142 100
127 0.0 32.9 49.3#
141 0.0 11.8 17.6#



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

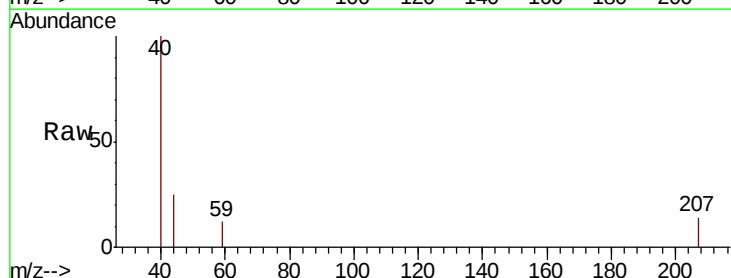


Time-->

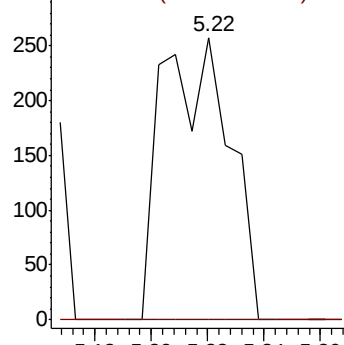


#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.22 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD066004.D
Acq: 22 Jul 2020 16:21

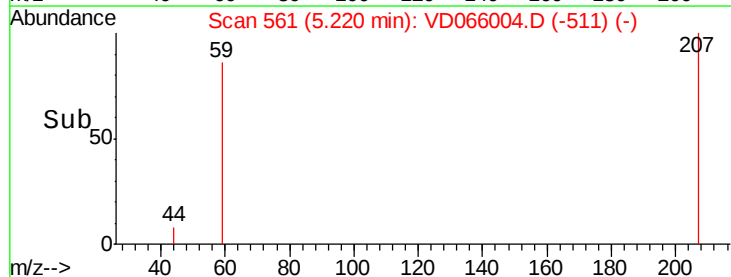
Tgt Ion: 59 Resp: 429
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#

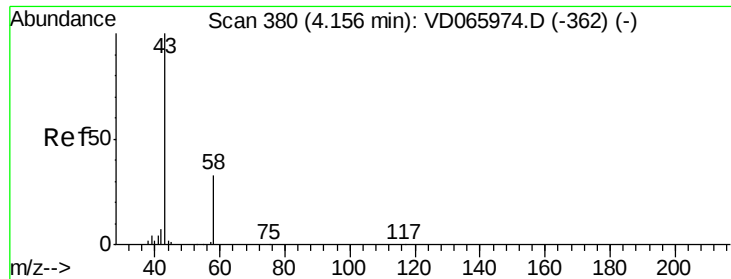


Abundance Ion 59.00 (58.70 to 59.70): V
Ion 57.00 (56.70 to 57.70): V



Time-->





#16

Acetone

Concen: 6.333 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD066004.D

Acq: 22 Jul 2020 16:21

Instrument :

MSVOA_D

ClientSampleId :

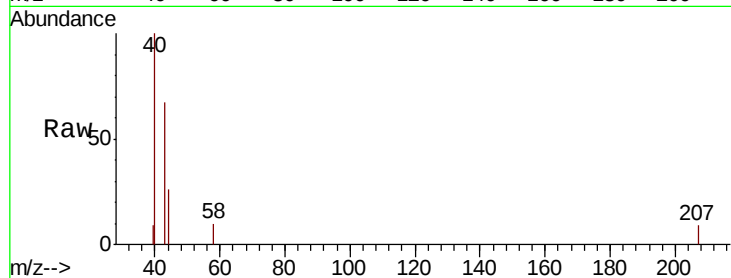
BACK-YARD

Tot Ion: 43 Resp: 2923

Ion Ratio Lower Upper

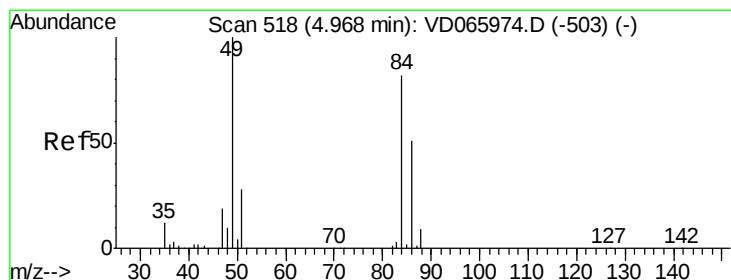
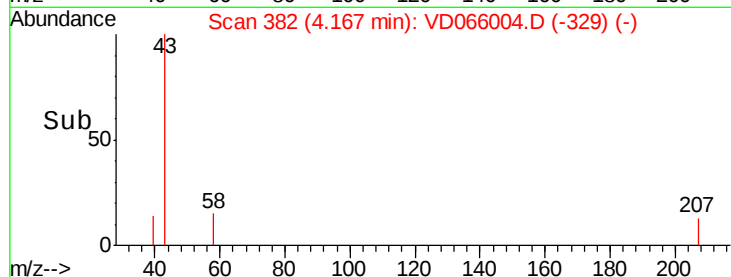
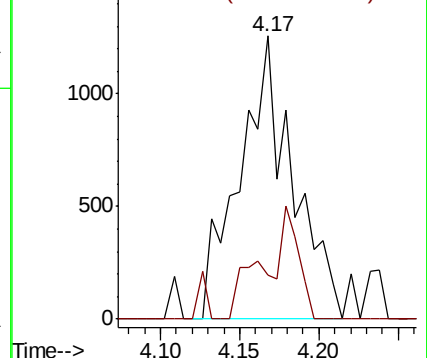
43 100

58 15.4 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: 1.793 ug/l

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD066004.D

Acq: 22 Jul 2020 16:21

Tgt Ion: 84 Resp: 11873

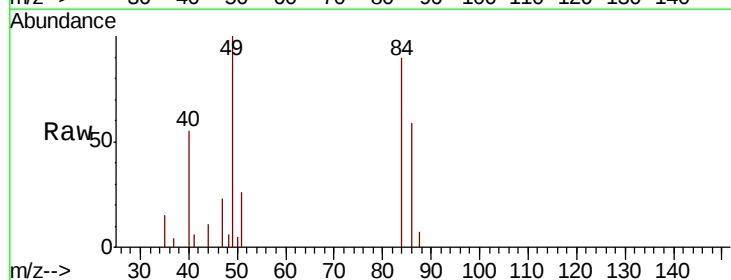
Ion Ratio Lower Upper

84 100

49 111.6 97.7 146.5

51 28.6 27.4 41.2

86 65.7 49.4 74.2

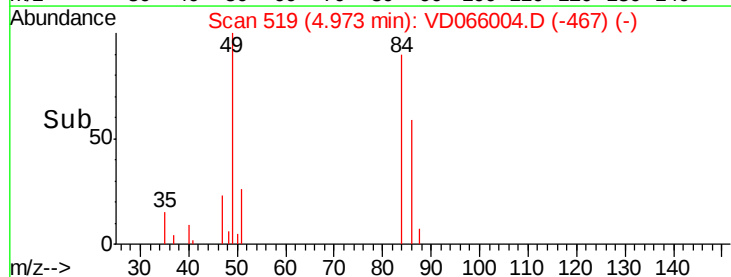
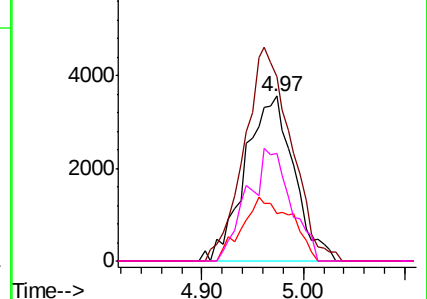


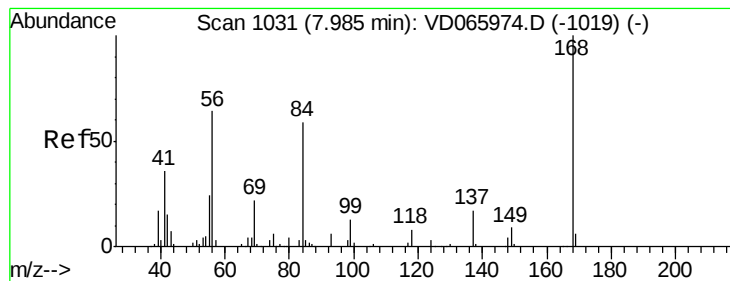
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 1.270 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD066004.D

Acq: 22 Jul 2020 16:21

Instrument :

MSVOA_D

ClientSampleID :

BACK-YARD

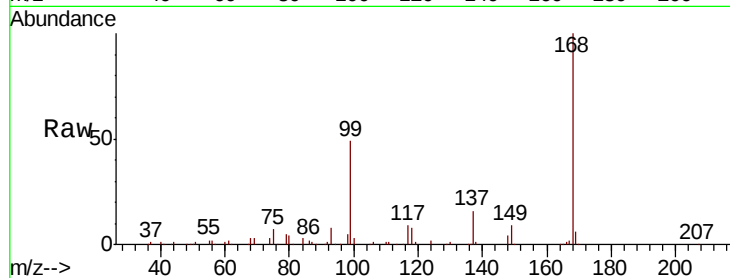
Tot Ion: 56 Resp: 5208

Ion Ratio Lower Upper

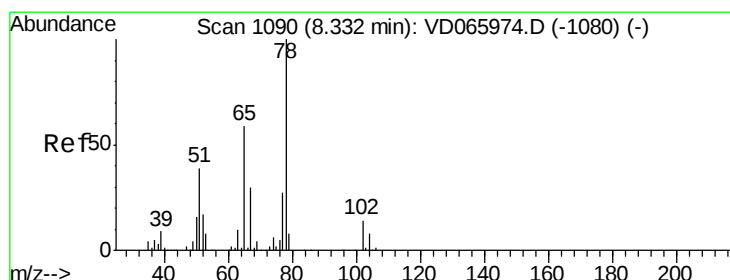
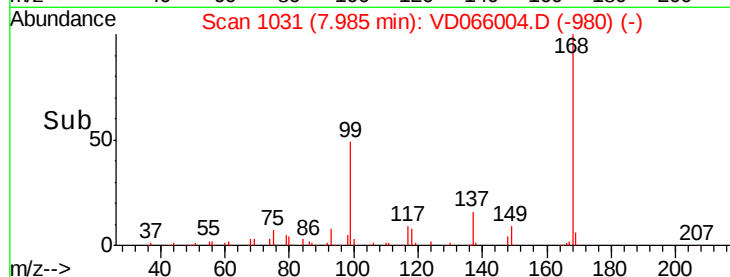
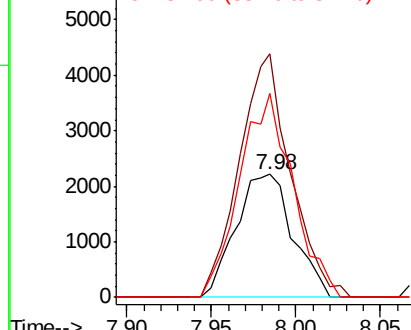
56 100

69 198.1 28.0 42.0#

84 166.0 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: 47.615 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD066004.D

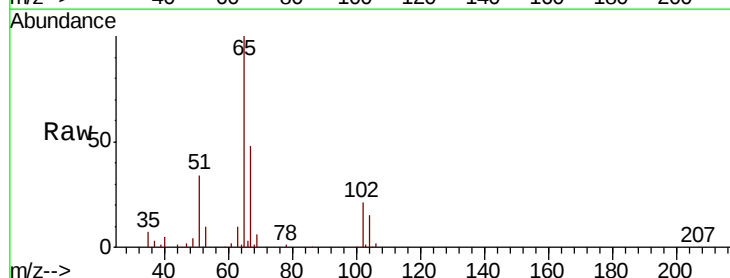
Acq: 22 Jul 2020 16:21

Tgt Ion: 65 Resp: 108576

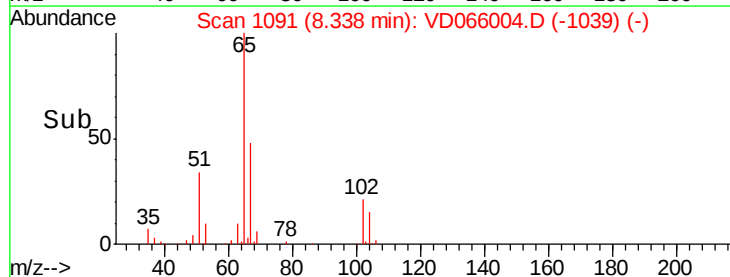
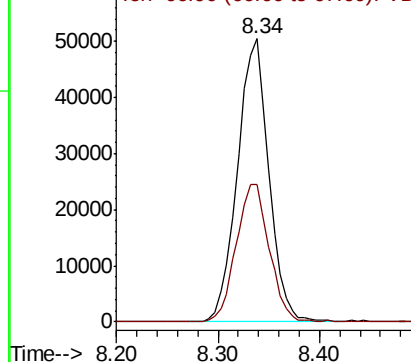
Ion Ratio Lower Upper

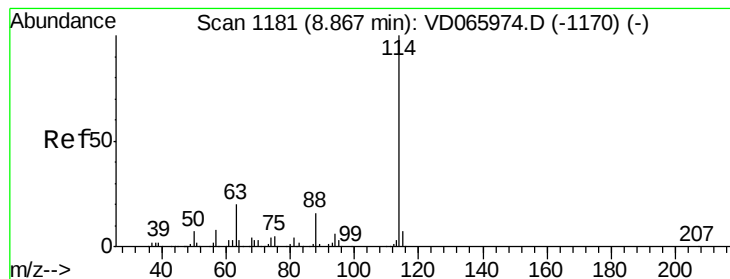
65 100

67 50.9 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: VD066004.D

Acq: 22 Jul 2020 16:21

Instrument :

MSVOA_D

ClientSampleId :

BACK-YARD

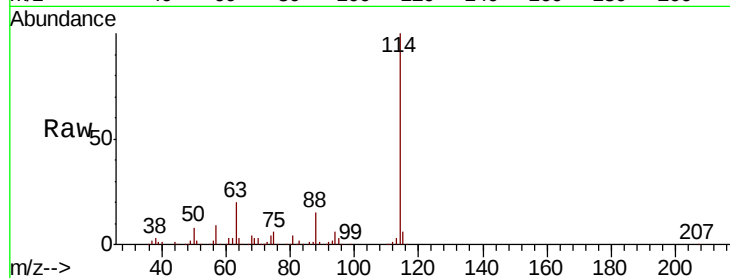
Tot Ion:114 Resp: 416594

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.6

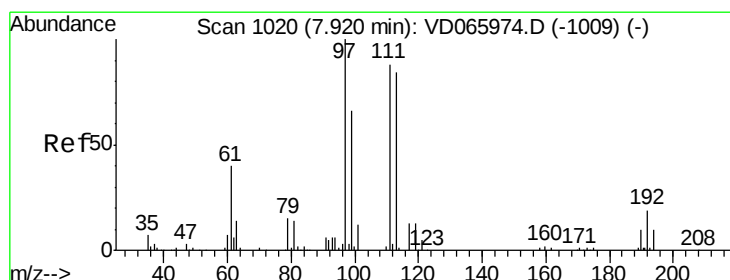
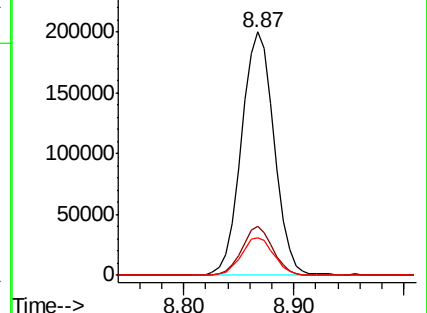
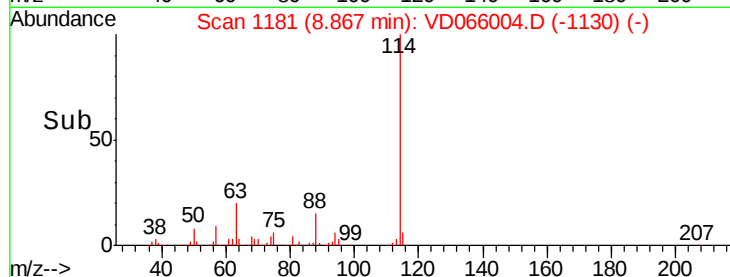
88 15.3 0.0 31.2



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: 46.103 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD066004.D

Acq: 22 Jul 2020 16:21

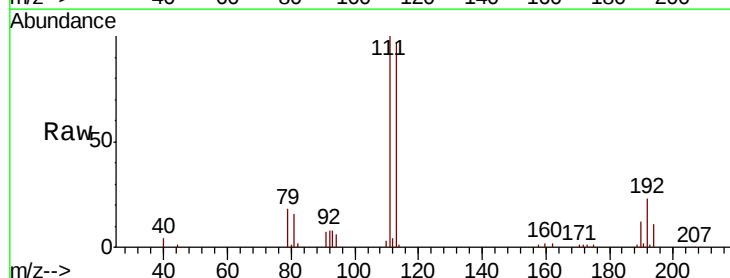
Tgt Ion:113 Resp: 116493

Ion Ratio Lower Upper

113 100

111 105.2 83.2 124.8

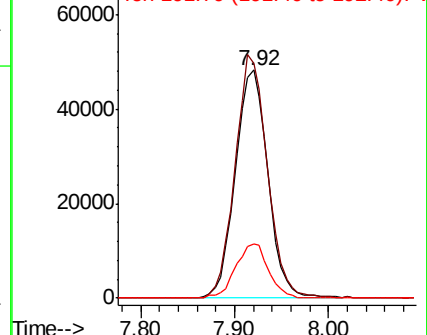
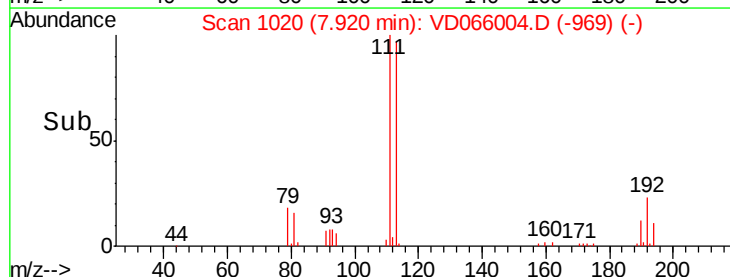
192 23.8 18.7 28.1

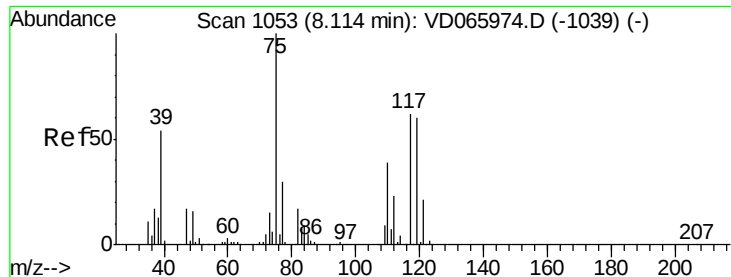


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

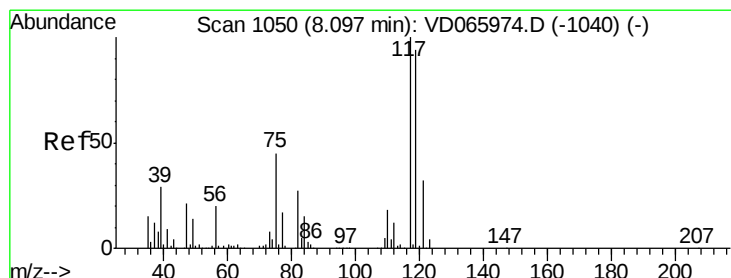
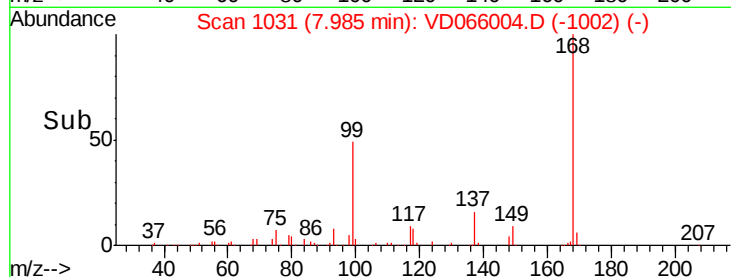
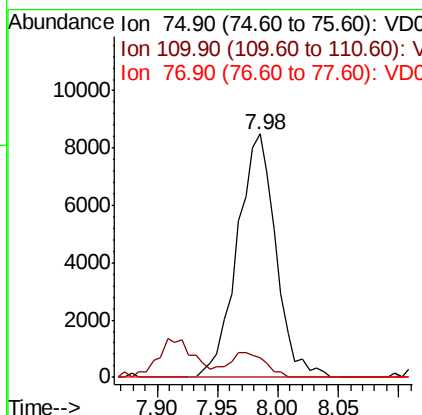
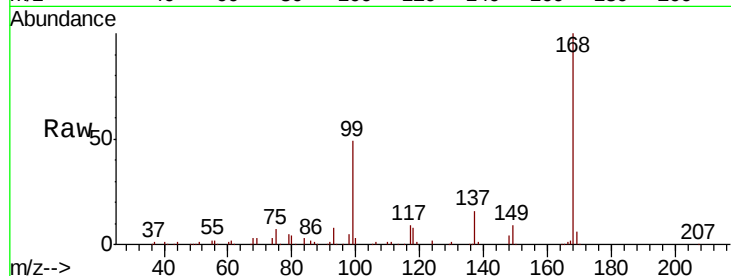




#36
 1,1-Dichloropropene
 Concen: 5.310 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD066004.D
 Acq: 22 Jul 2020 16:21

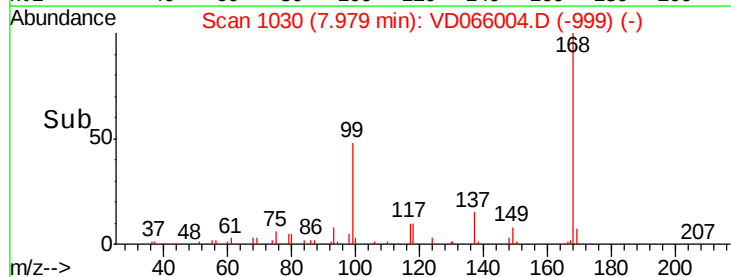
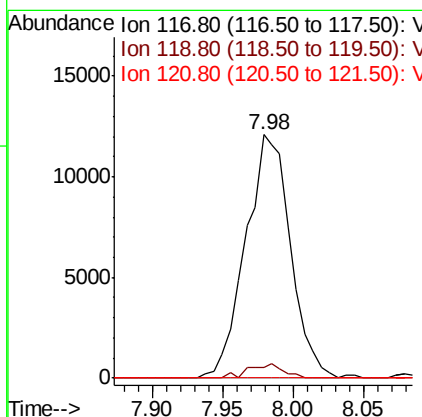
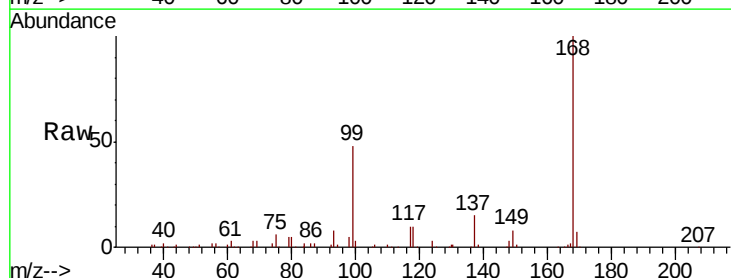
Instrument :
 MSVOA_D
 ClientSampleID :
 BACK-YARD

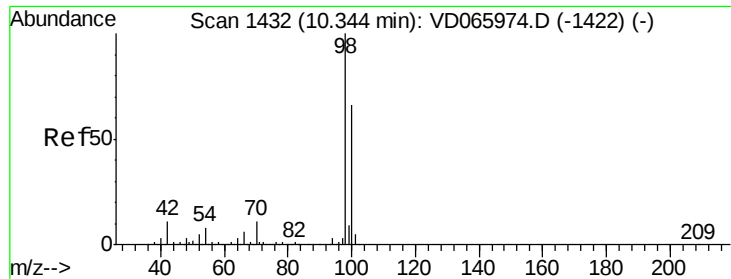
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.6	19.5	58.5#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.961 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD066004.D
 Acq: 22 Jul 2020 16:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	75.0	112.6#
121	0.0	25.5	38.3#





#50

Toluene-d8

Concen: 42.447 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD066004.D

Acq: 22 Jul 2020 16:21

Instrument :

MSVOA_D

ClientSampleId :

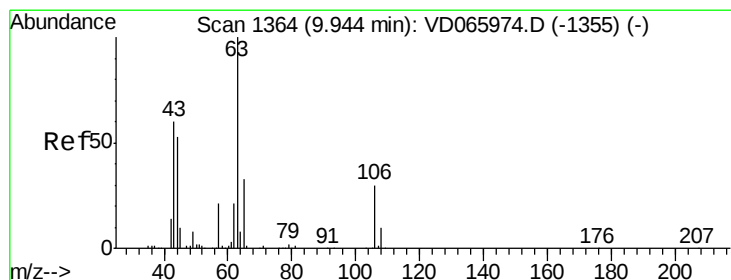
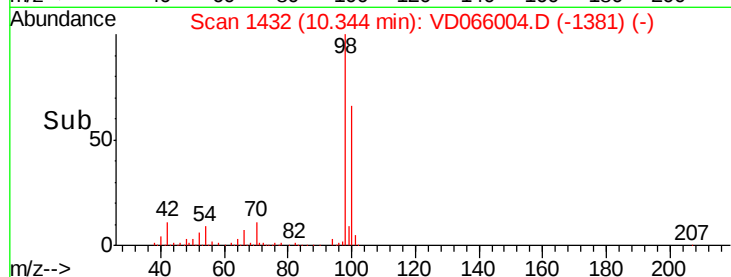
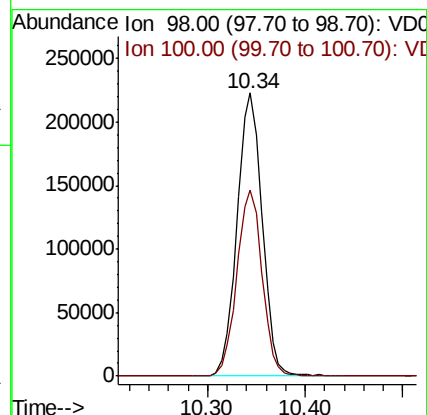
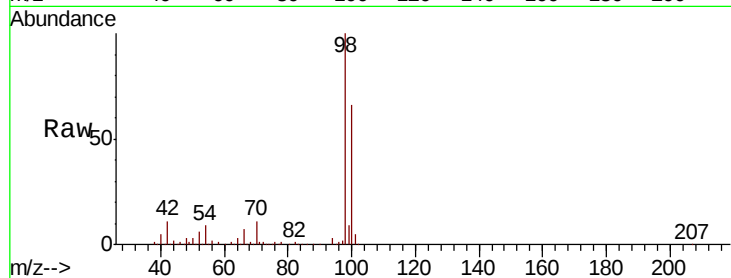
BACK-YARD

Tot Ion: 98 Resp: 399552

Ion Ratio Lower Upper

98 100

100 66.1 52.7 79.1



#58

2-Chloroethyl Vinyl ether

Concen: 1.028 ug/l

RT: 9.96 min Scan# 1366

Delta R.T. 0.01 min

Lab File: VD066004.D

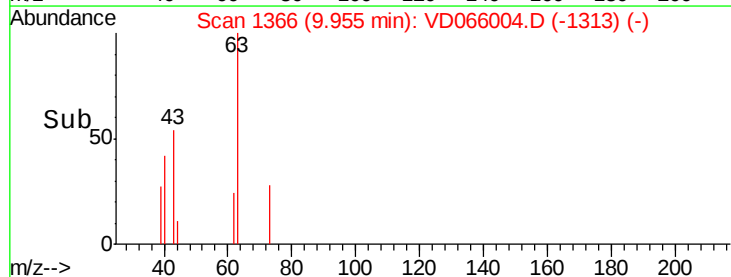
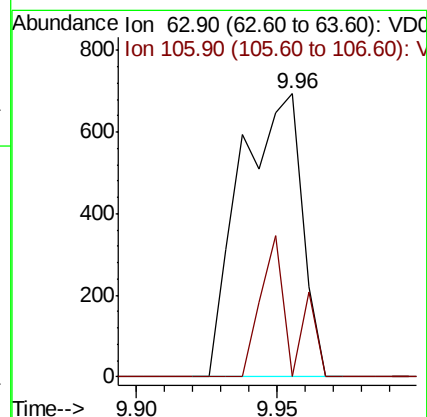
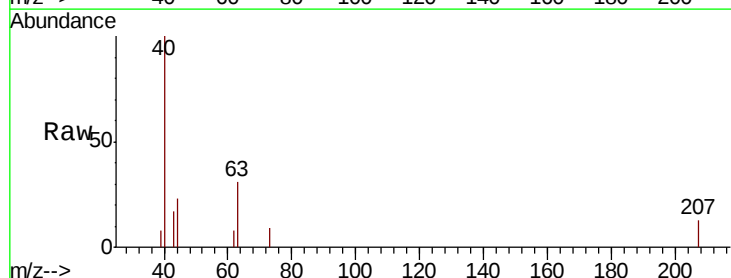
Acq: 22 Jul 2020 16:21

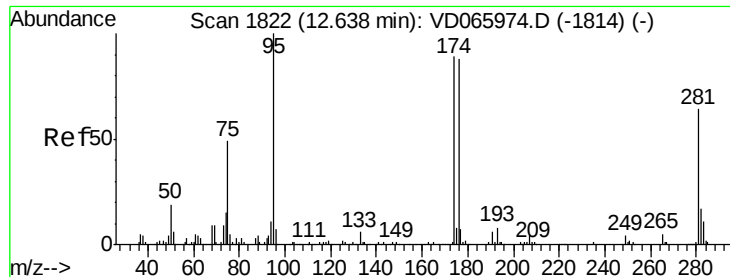
Tgt Ion: 63 Resp: 1050

Ion Ratio Lower Upper

63 100

106 24.9 24.4 36.6

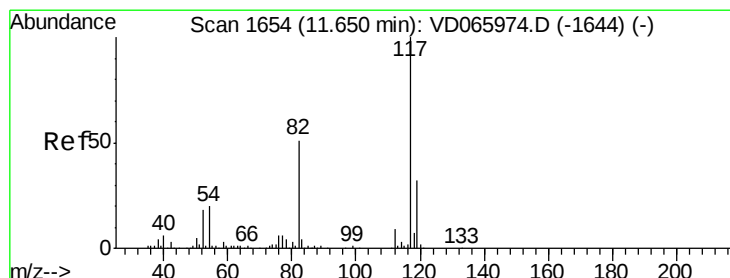
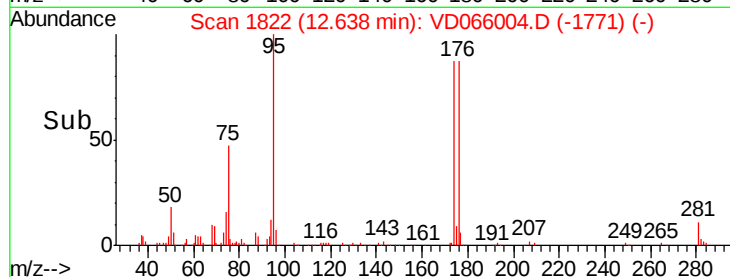
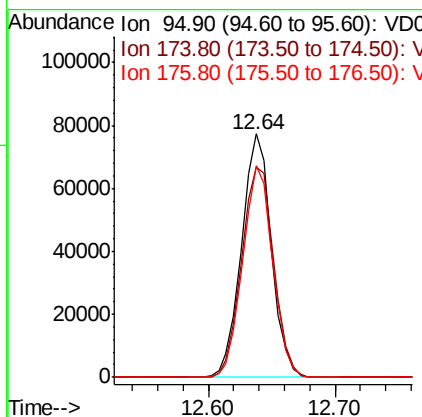
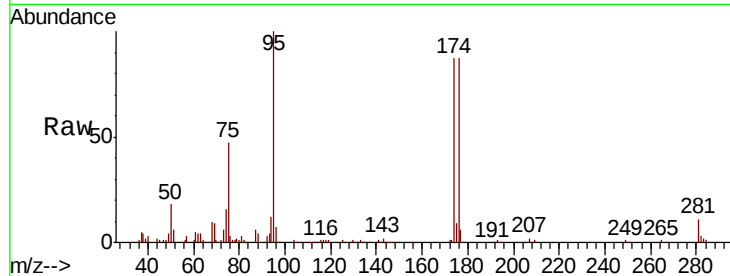




#62
4-Bromofluorobenzene
Concen: 38.615 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD066004.D
Acq: 22 Jul 2020 16:21

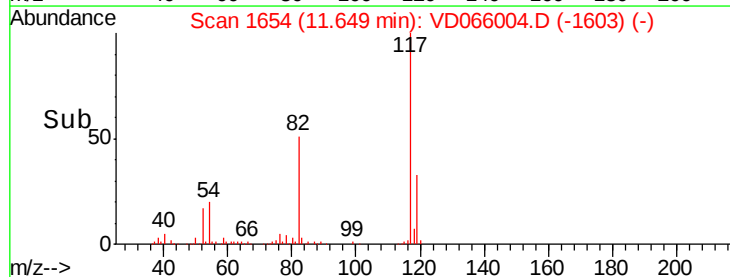
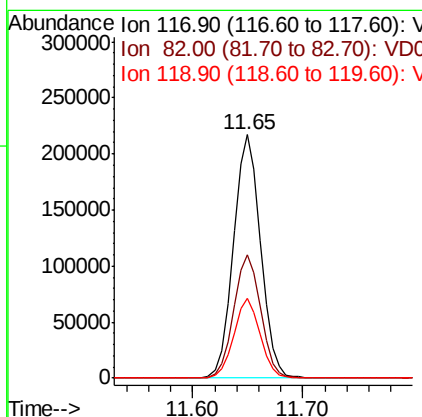
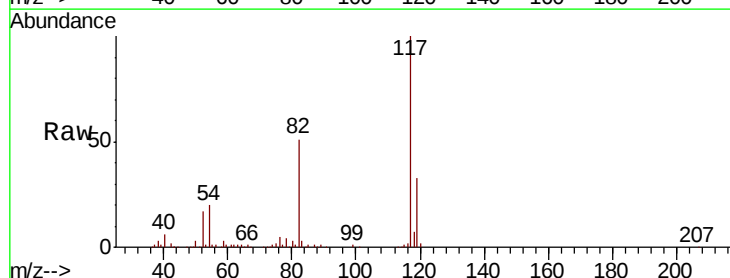
Instrument :
MSVOA_D
ClientSampleId :
BACK-YARD

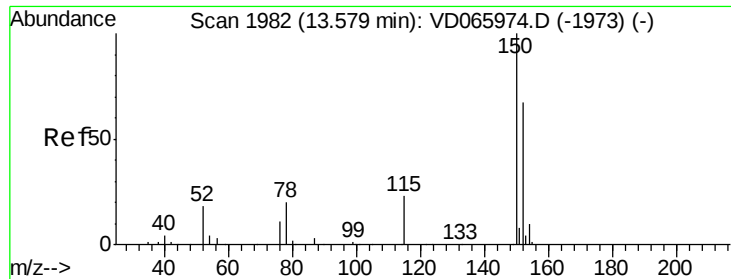
Tot Ion: 95 Resp: 126032
Ion Ratio Lower Upper
95 100
174 93.1 0.0 178.8
176 87.8 0.0 172.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD066004.D
Acq: 22 Jul 2020 16:21

Tgt Ion: 117 Resp: 374494
Ion Ratio Lower Upper
117 100
82 50.7 41.1 61.7
119 32.9 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: VD066004.D

Acq: 22 Jul 2020 16:21

Instrument :

MSVOA_D

ClientSampleId :

BACK-YARD

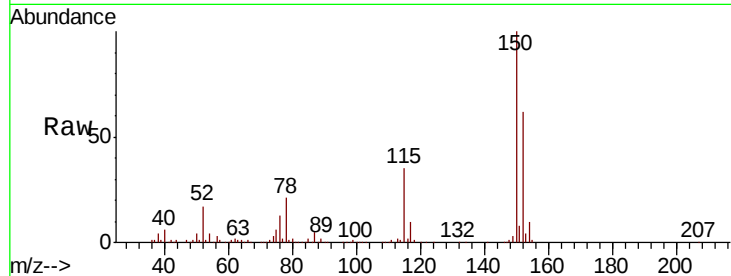
Tot Ion:152 Resp: 159434

Ion Ratio Lower Upper

152 100

115 56.0 27.9 83.7

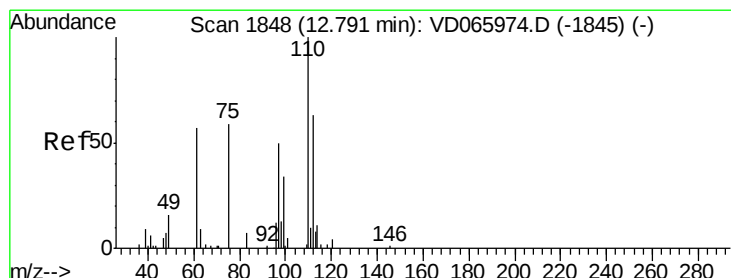
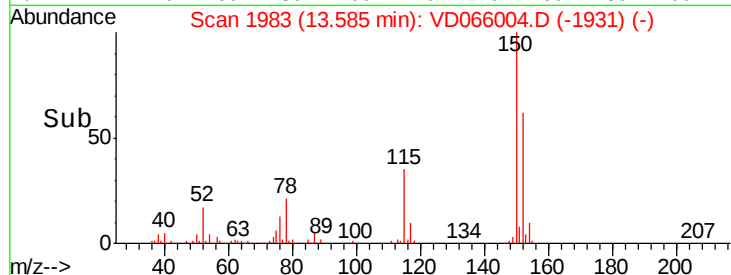
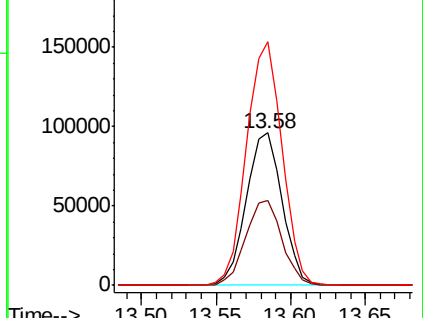
150 158.4 0.0 348.2



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



#76

1,2,3-Trichloropropane

Concen: 51.339 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066004.D

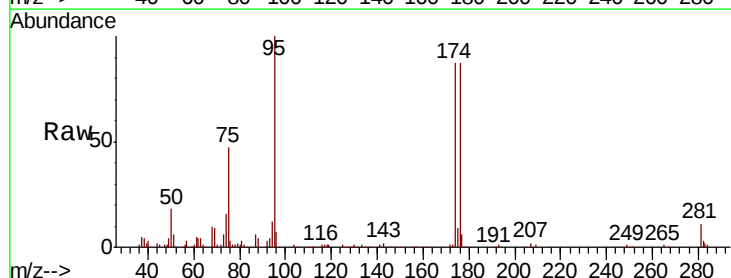
Acq: 22 Jul 2020 16:21

Tgt Ion: 75 Resp: 61630

Ion Ratio Lower Upper

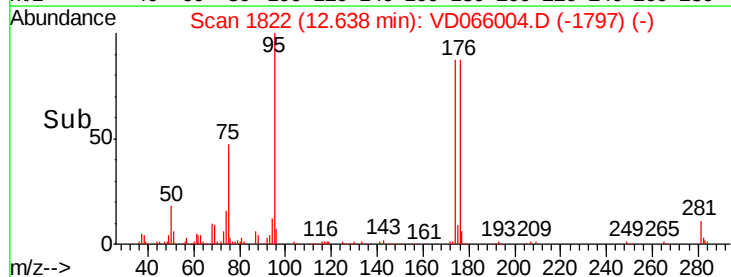
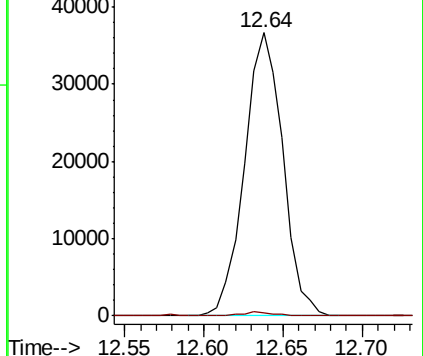
75 100

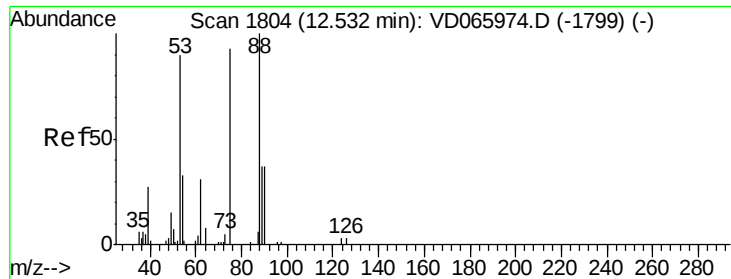
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 117.805 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066004.D

Acq: 22 Jul 2020 16:21

Instrument :

MSVOA_D

ClientSampleId :

BACK-YARD

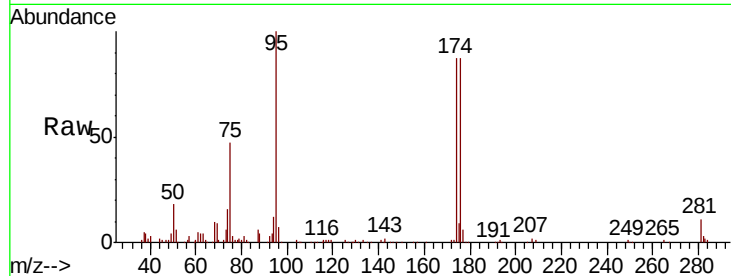
Tot Ion: 75 Resp: 61630

Ion Ratio Lower Upper

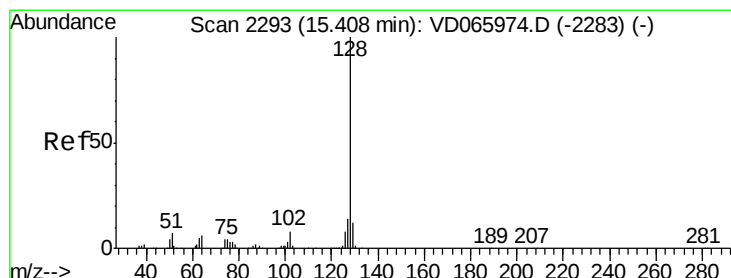
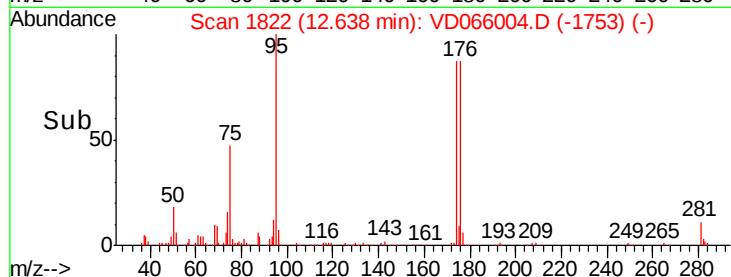
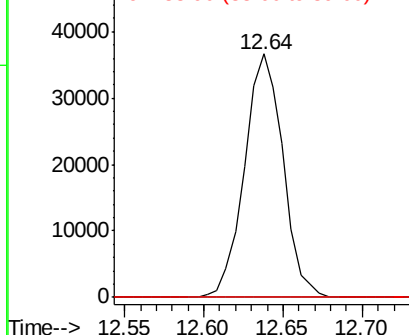
75 100

53 0.0 76.8 115.2#

89 0.0 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: 3.840 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD066004.D

Acq: 22 Jul 2020 16:21

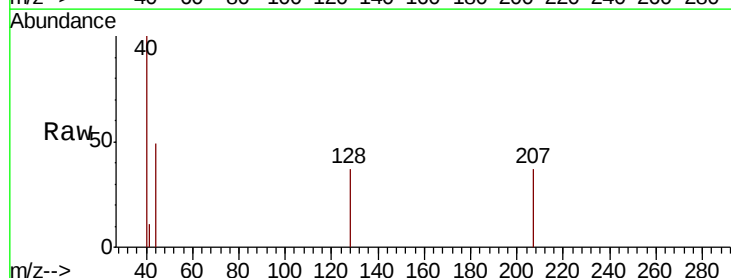
Tgt Ion:128 Resp: 1594

Ion Ratio Lower Upper

128 100

127 3.5 10.8 16.2#

129 0.0 8.9 13.3#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

