

Data File : VD064230.D
Acq On : 15 Nov 2019 16:33
Operator : VA/SY
Sample : K5858-03
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DRUM-B

Quant Time: Nov 16 04:52:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	160293	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	251690	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	108304	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	26673	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	133013	100.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.80%	
35) Dibromofluoromethane	7.92	113	118047	81.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	163.42%	
50) Toluene-d8	10.34	98	189641	34.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.60%	
62) 4-Bromofluorobenzene	12.64	95	32528	17.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.46%	

Target Compounds

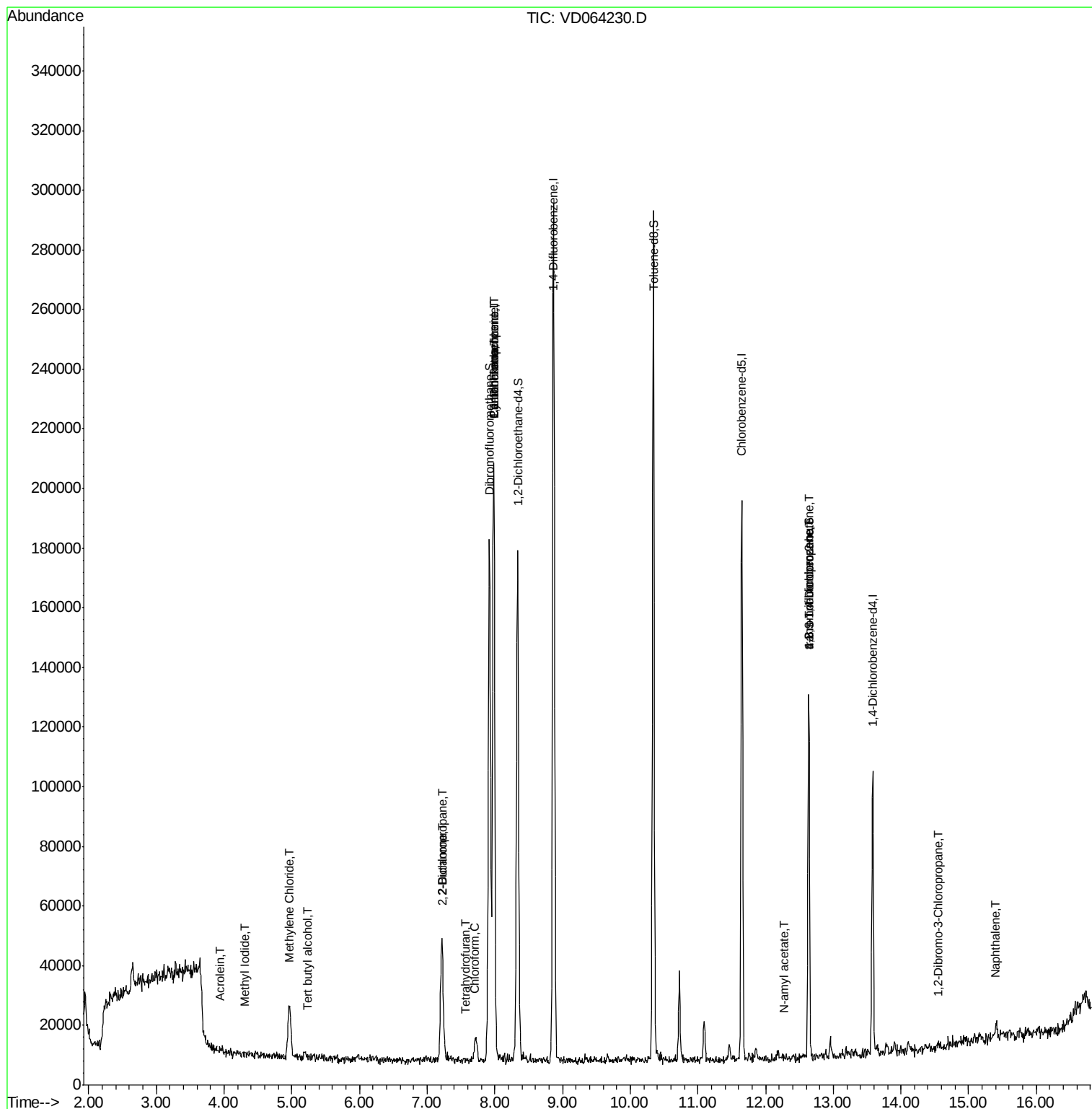
						Qvalue
10) Methyl Iodide	4.30	142	62	2.068	ug/l #	41
11) Tert butyl alcohol	5.23	59	351	3.812	ug/l #	1
13) Acrolein	3.94	56	181	2.324	ug/l #	1
20) Methylene Chloride	4.97	84	13414	8.503	ug/l #	80
25) 2-Butanone	7.23	43	2829	7.011	ug/l	90
26) 2,2-Dichloropropane	7.23	77	2890	1.149	ug/l #	54
29) Tetrahydrofuran	7.57	42	255	1.052	ug/l #	35
30) Chloroform	7.71	83	4061	1.547	ug/l	93
31) Cyclohexane	7.98	56	4314	1.667	ug/l #	30
36) 1,1-Dichloropropene	7.99	75	11087	4.773	ug/l #	50
38) Carbon Tetrachloride	7.98	117	14201	5.713	ug/l #	15
74) N-amyl acetate	12.28	43	1097	2.373	ug/l #	56
76) 1,2,3-Trichloropropane	12.64	75	16616	77.340	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	16616	153.628	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.56	75	68	1.289	ug/l #	1
95) Naphthalene	15.40	128	4000	4.233	ug/l #	89

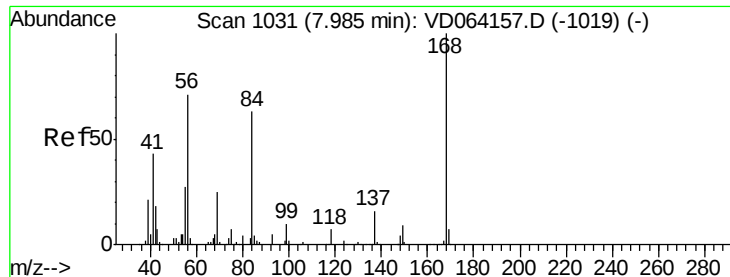
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064230.D

Acq: 15 Nov 2019 16:33

Instrument :

MSVOA_D

ClientSampleId :

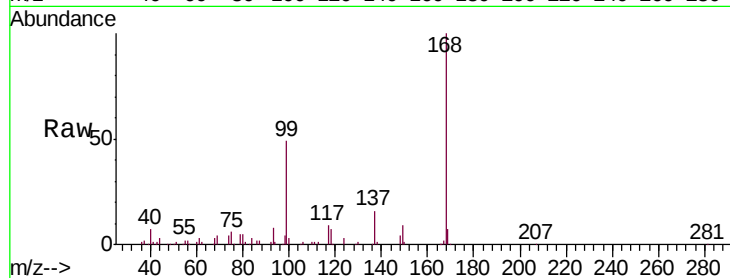
DRUM-B

Tgt Ion:168 Resp: 160293

Ion Ratio Lower Upper

168 100

99 49.1 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

80000

60000

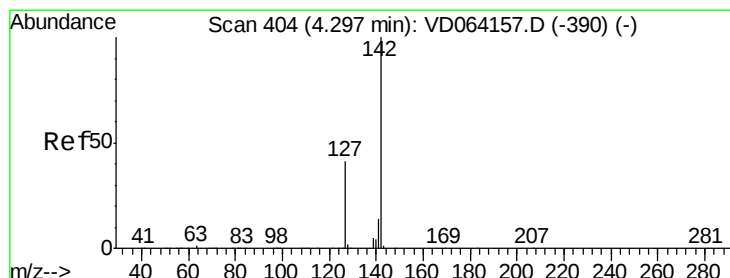
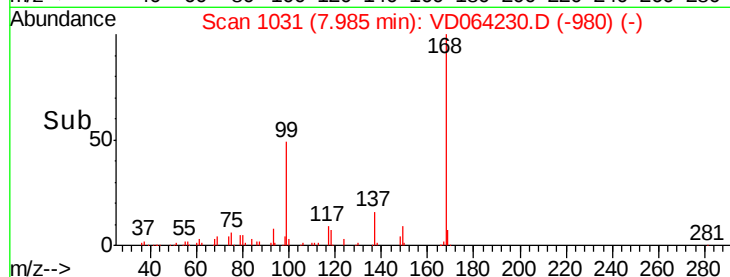
40000

20000

0

7.90 8.00 8.10

Time-->



#10

Methyl Iodide

Concen: 2.068 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD064230.D

Acq: 15 Nov 2019 16:33

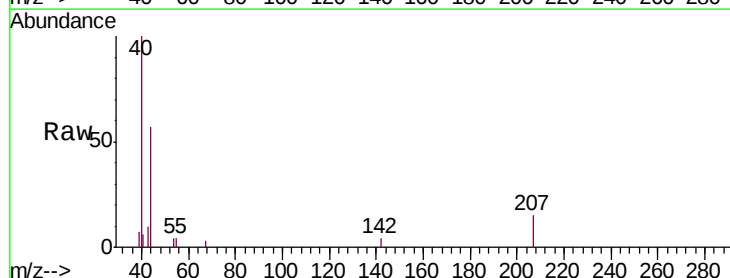
Tgt Ion:142 Resp: 62

Ion Ratio Lower Upper

142 100

127 0.0 34.4 51.6#

141 0.0 11.2 16.8#



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

4.30

200

150

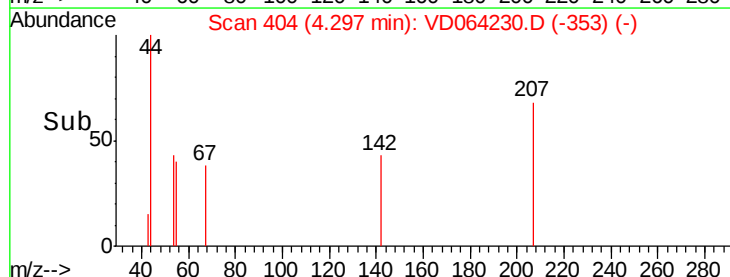
100

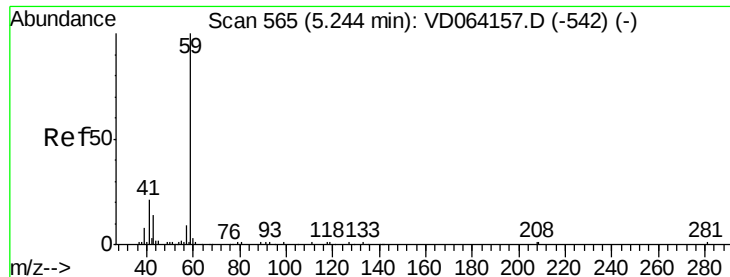
50

0

4.28 4.29 4.30 4.31

Time-->

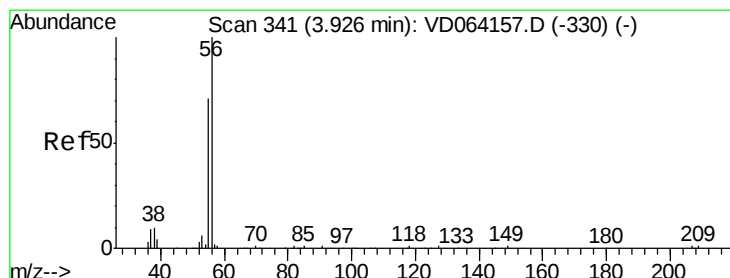
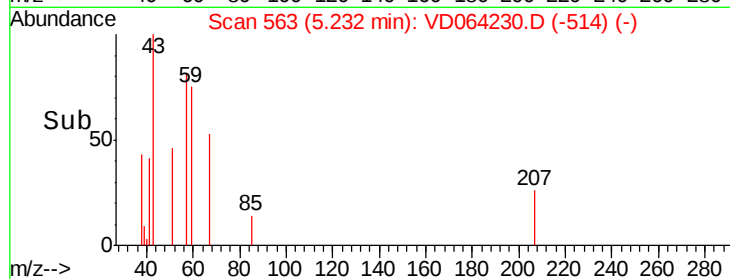
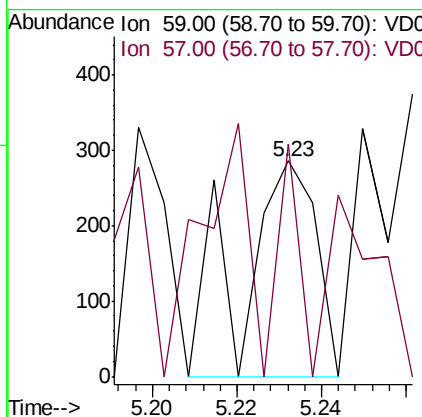
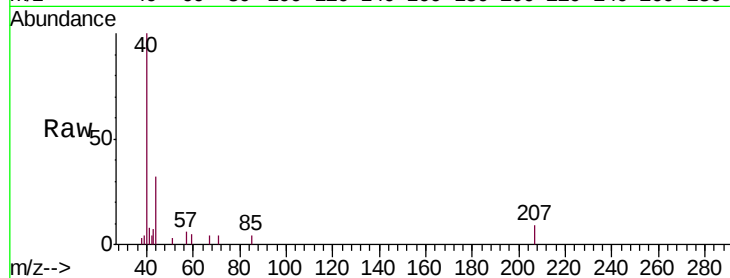




#11
Tert butyl alcohol
Concen: 3.812 ug/l
RT: 5.23 min Scan# 563
Delta R.T. -0.01 min
Lab File: VD064230.D
Acq: 15 Nov 2019 16:33

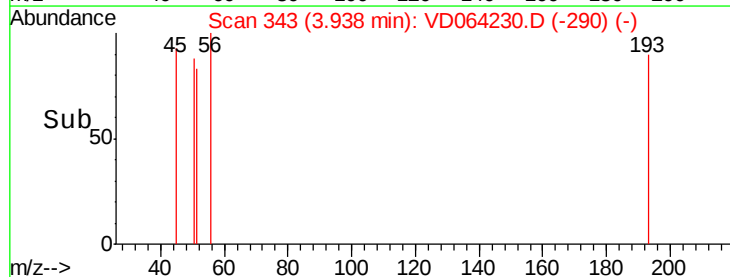
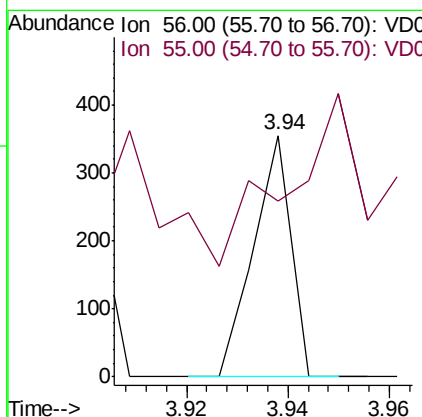
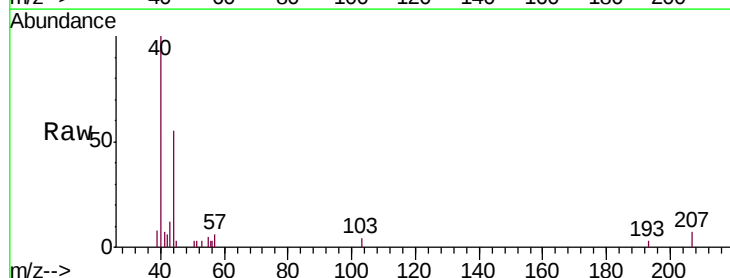
Instrument :
MSVOA_D
ClientSampleId :
DRUM-B

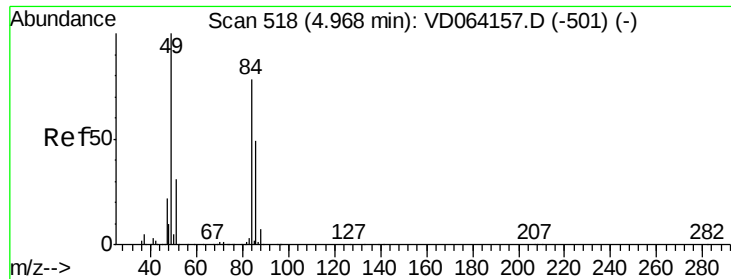
Tgt Ion: 59 Resp: 351
Ion Ratio Lower Upper
59 100
57 55.8 9.4 14.2#



#13
Acrolein
Concen: 2.324 ug/l
RT: 3.94 min Scan# 343
Delta R.T. 0.01 min
Lab File: VD064230.D
Acq: 15 Nov 2019 16:33

Tgt Ion: 56 Resp: 181
Ion Ratio Lower Upper
56 100
55 169.1 56.1 84.1#

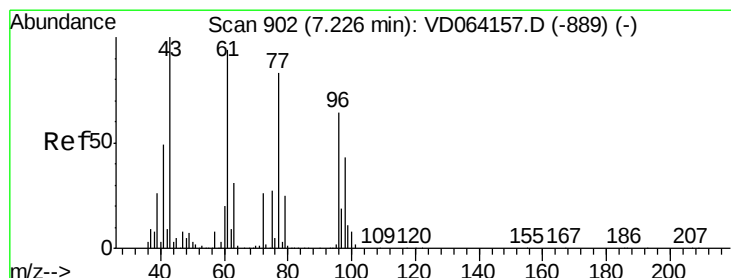
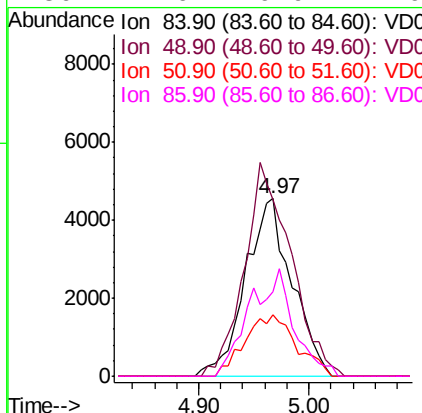
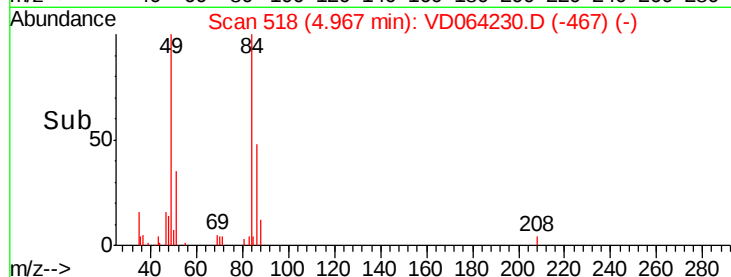
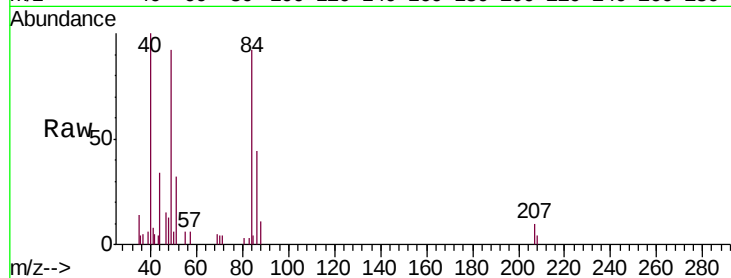




#20
Methylene Chloride
Concen: 8.503 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD064230.D
Acq: 15 Nov 2019 16:33

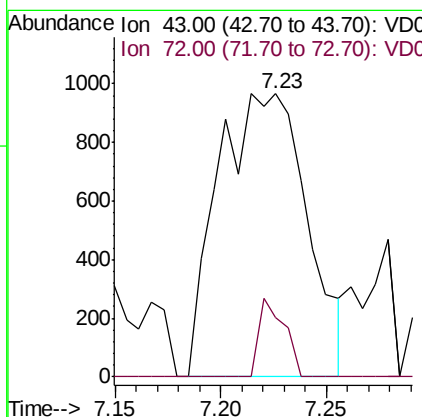
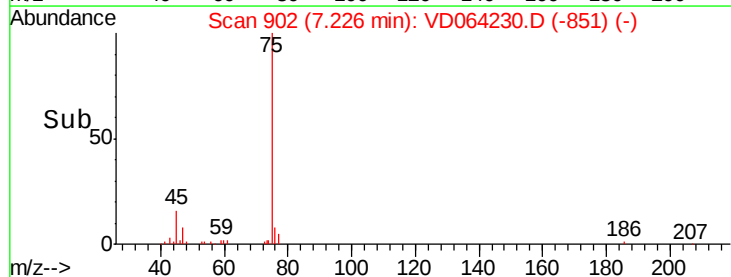
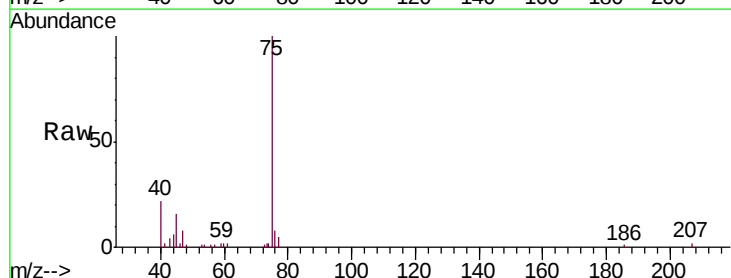
Instrument :
MSVOA_D
ClientSampleId :
DRUM-B

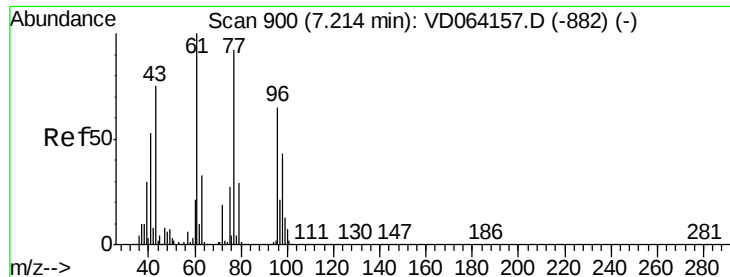
Tgt Ion: 84 Resp: 13414
Ion Ratio Lower Upper
84 100
49 99.8 102.1 153.1#
51 34.8 32.2 48.2
86 47.6 49.9 74.9#



#25
2-Butanone
Concen: 7.011 ug/l
RT: 7.23 min Scan# 902
Delta R.T. -0.00 min
Lab File: VD064230.D
Acq: 15 Nov 2019 16:33

Tgt Ion: 43 Resp: 2829
Ion Ratio Lower Upper
43 100
72 20.8 20.6 30.8





#26

2,2-Dichloropropane

Concen: 1.149 ug/l

RT: 7.23 min Scan# 903

Delta R.T. 0.02 min

Lab File: VD064230.D

Acq: 15 Nov 2019 16:33

Instrument :

MSVOA_D

ClientSampleId :

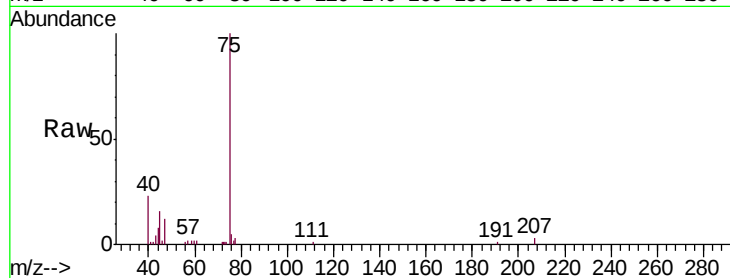
DRUM-B

Tgt Ion: 77 Resp: 2890

Ion Ratio Lower Upper

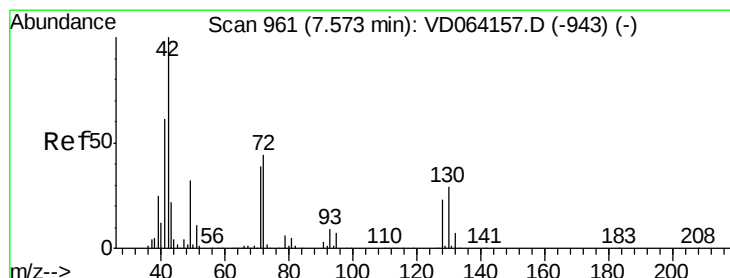
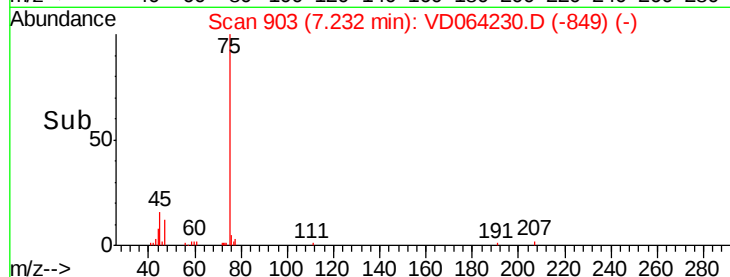
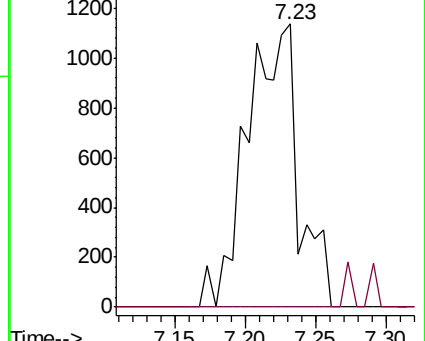
77 100

97 0.0 11.1 33.3#



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



#29

Tetrahydrofuran

Concen: 1.052 ug/l

RT: 7.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: VD064230.D

Acq: 15 Nov 2019 16:33

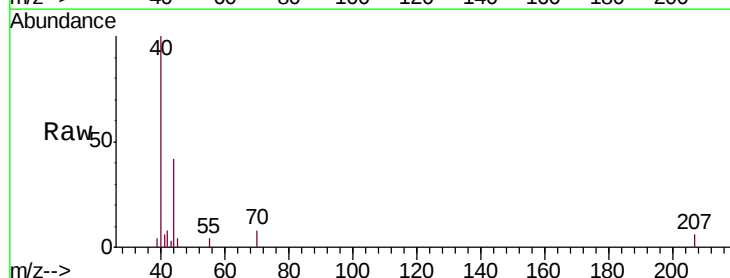
Tgt Ion: 42 Resp: 255

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.2#

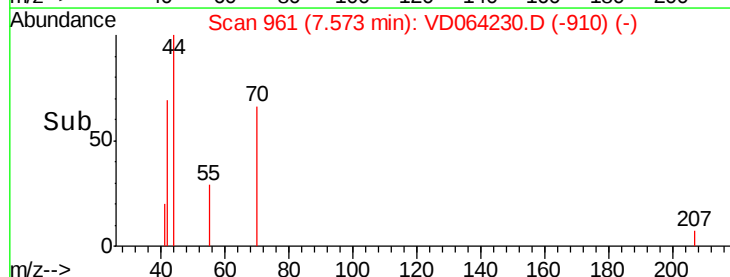
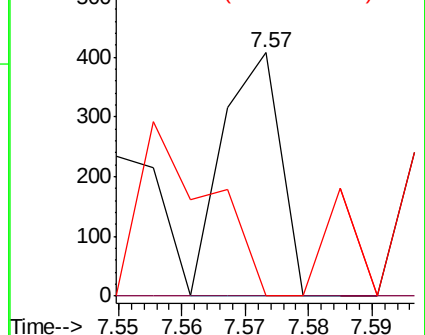
71 0.0 31.0 46.4#

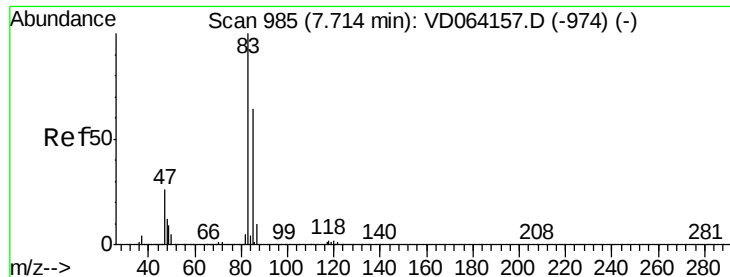


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#30

Chloroform

Concen: 1.547 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.01 min

Lab File: VD064230.D

Acq: 15 Nov 2019 16:33

Instrument :

MSVOA_D

ClientSampleId :

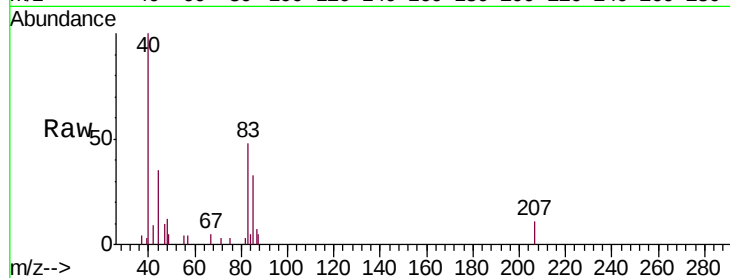
DRUM-B

Tgt Ion: 83 Resp: 4061

Ion Ratio Lower Upper

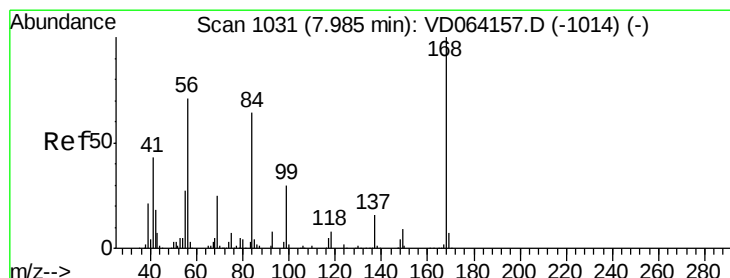
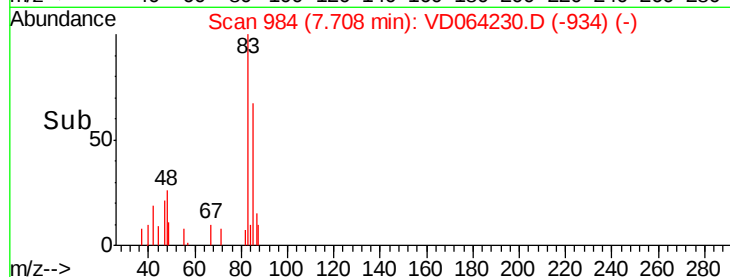
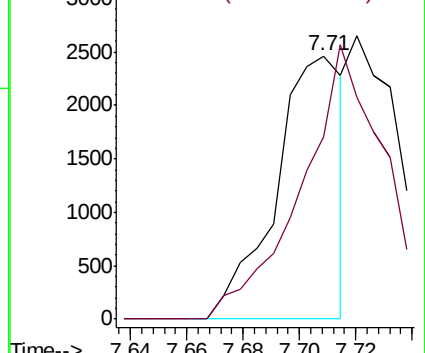
83 100

85 69.4 51.4 77.0



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC



#31

Cyclohexane

Concen: 1.667 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064230.D

Acq: 15 Nov 2019 16:33

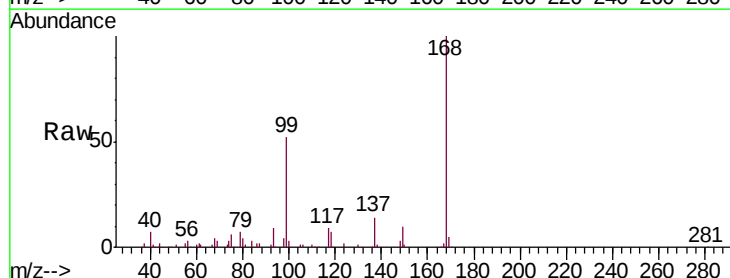
Tgt Ion: 56 Resp: 4314

Ion Ratio Lower Upper

56 100

69 120.8 28.2 42.4#

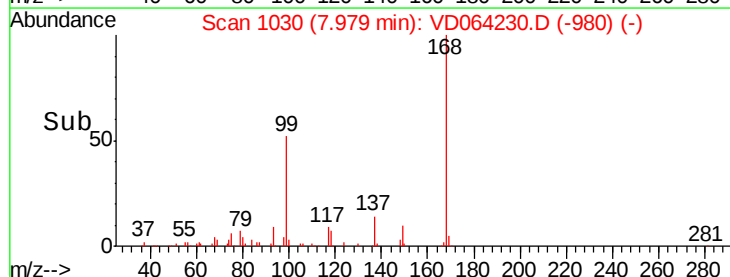
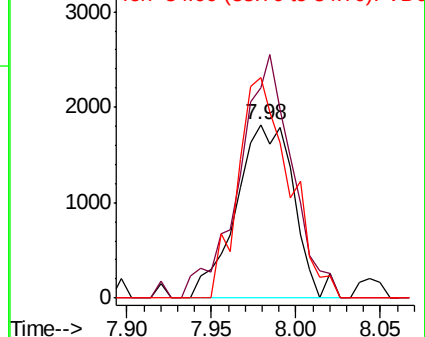
84 126.9 71.8 107.6#

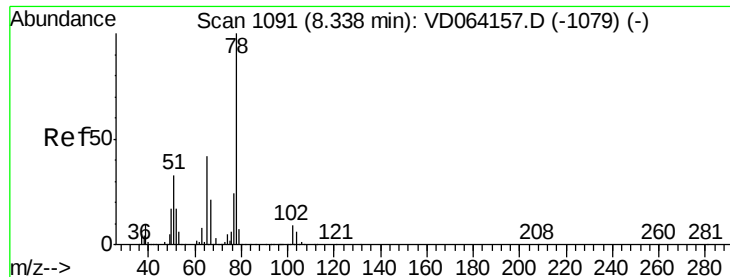


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

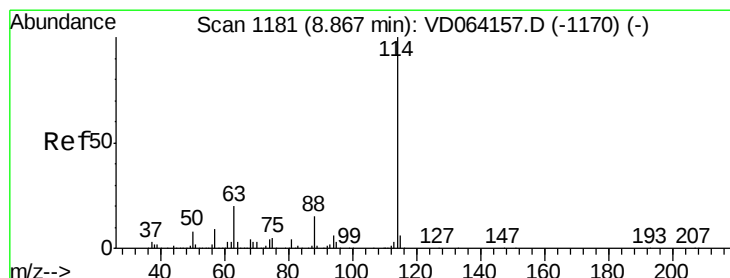
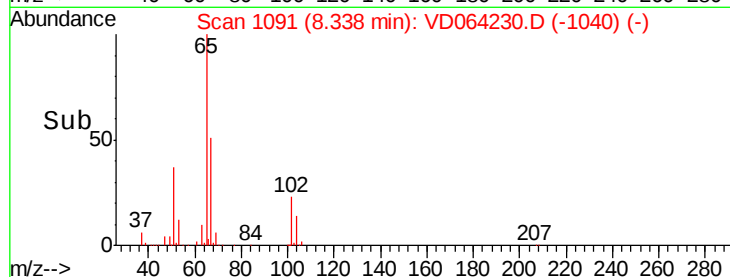
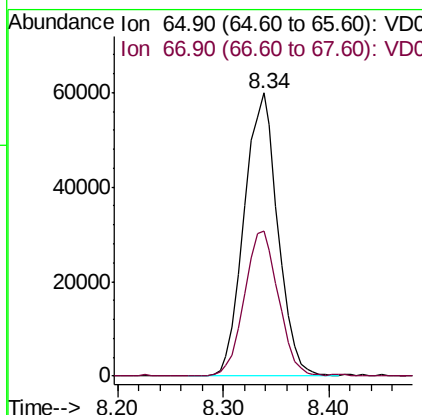
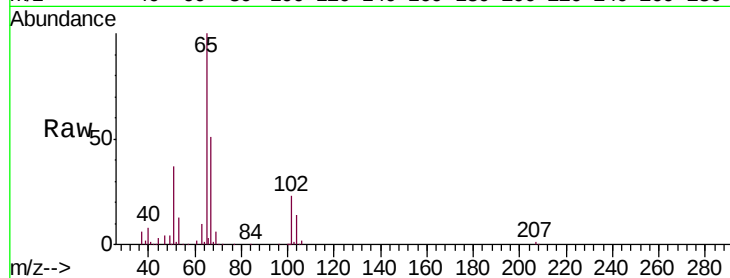




#33
 1,2-Dichloroethane-d4
 Concen: 100.896 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD064230.D
 Acq: 15 Nov 2019 16:33

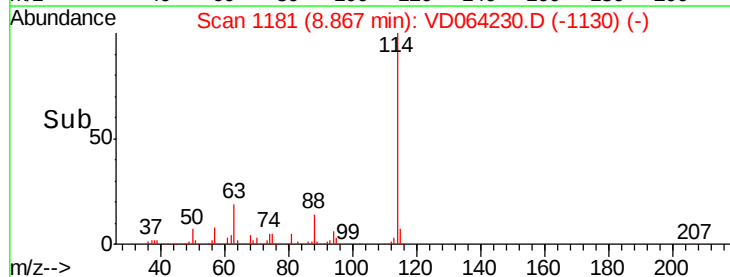
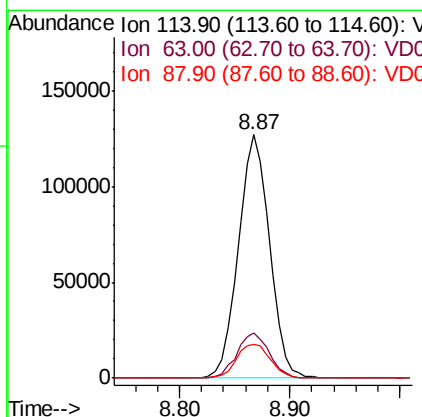
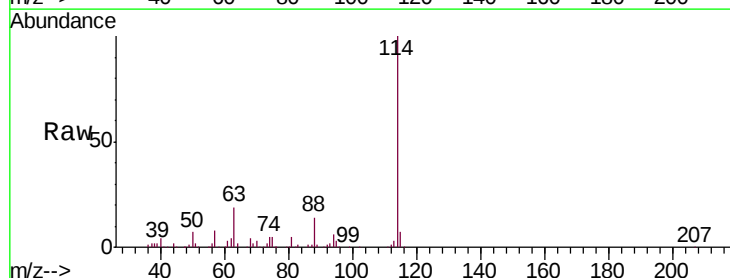
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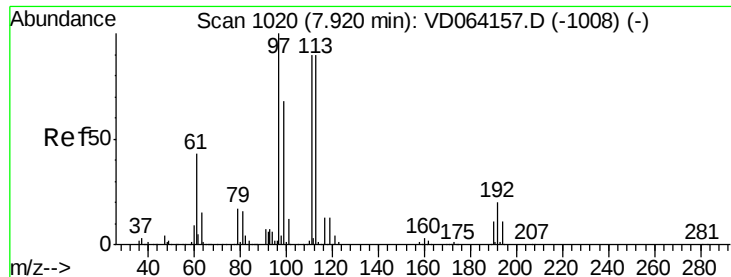
Tgt Ion: 65 Resp: 133013
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064230.D
 Acq: 15 Nov 2019 16:33

Tgt Ion: 114 Resp: 251690
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 40.0
 88 13.8 0.0 30.2

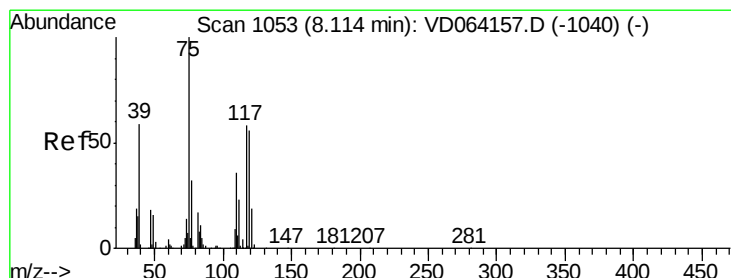
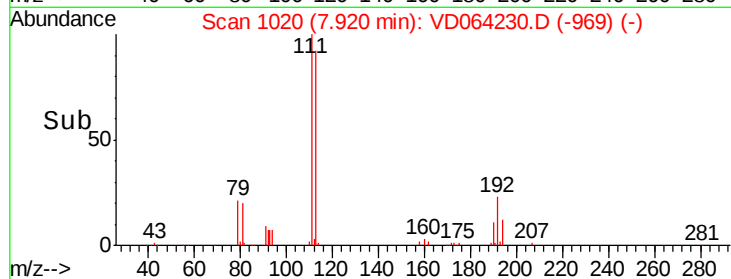
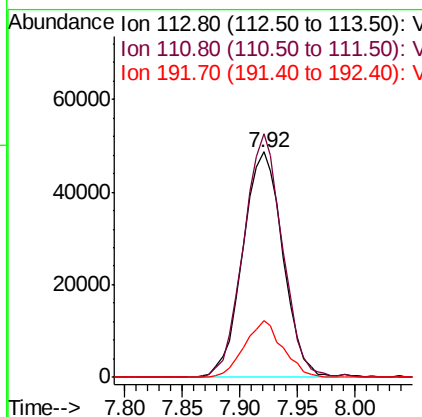
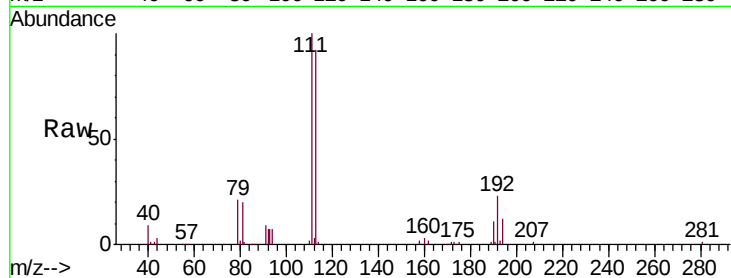




#35
 Dibromofluoromethane
 Concen: 81.708 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064230.D
 Acq: 15 Nov 2019 16:33

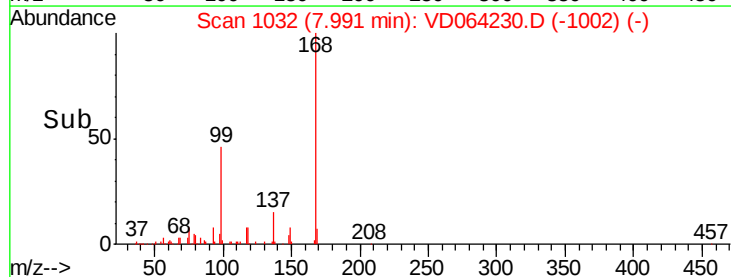
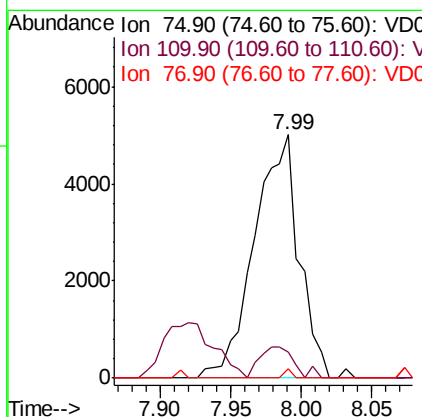
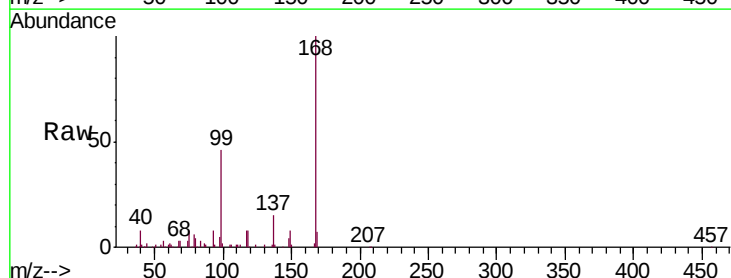
Instrument :
 MSVOA_D
 ClientSampleId :
 DRUM-B

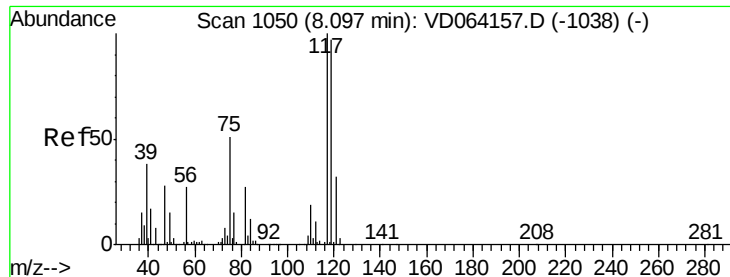
Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.2	81.5	122.3
192	23.8	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 4.773 ug/l
 RT: 7.99 min Scan# 1032
 Delta R.T. -0.12 min
 Lab File: VD064230.D
 Acq: 15 Nov 2019 16:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.1	18.3	54.9#
77	0.7	25.0	37.6#

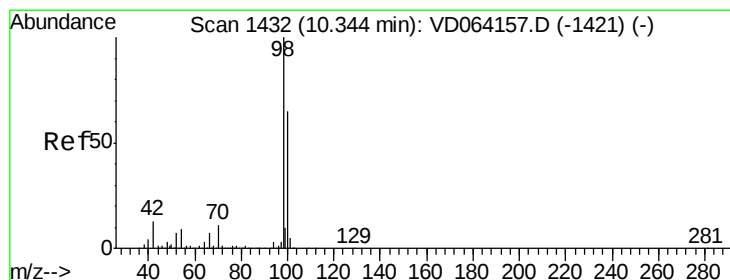
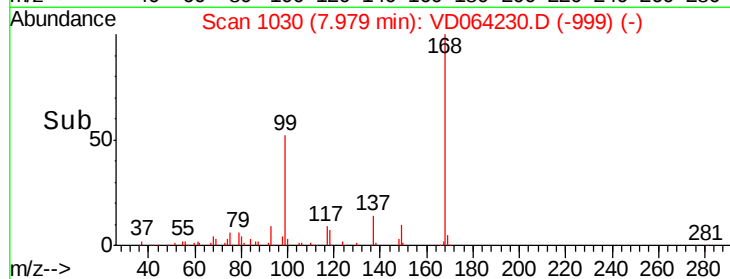
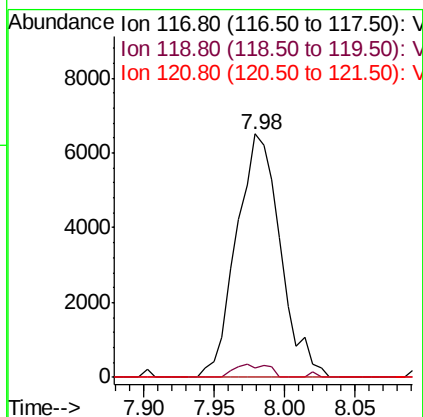
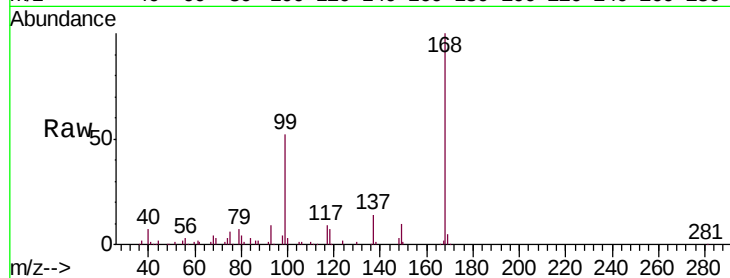




#38
Carbon Tetrachloride
Concen: 5.713 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD064230.D
Acq: 15 Nov 2019 16:33

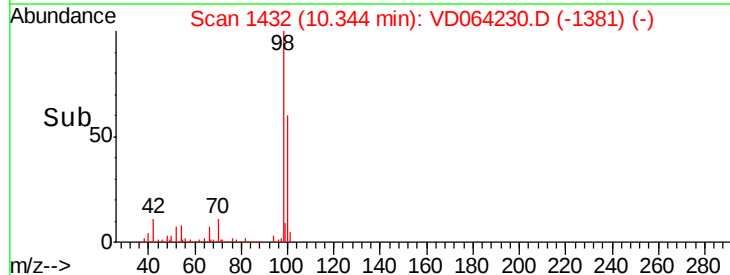
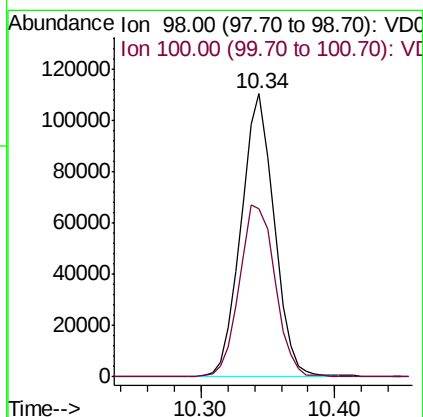
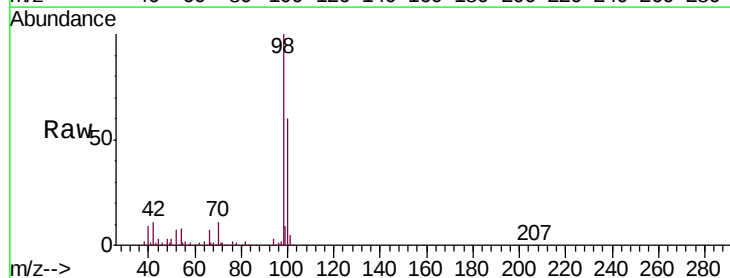
Instrument :
MSVOA_D
ClientSampleId :
DRUM-B

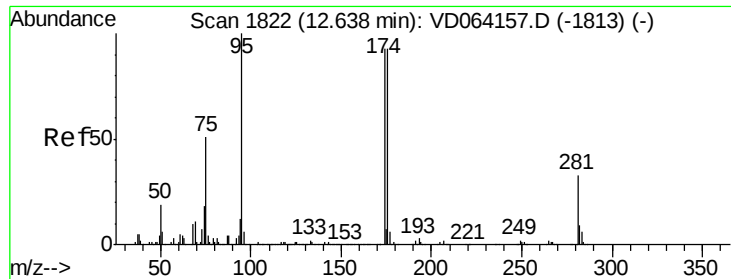
Tgt Ion:117 Resp: 14201
Ion Ratio Lower Upper
117 100
119 3.7 77.2 115.8#
121 0.0 25.5 38.3#



#50
Toluene-d8
Concen: 34.795 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064230.D
Acq: 15 Nov 2019 16:33

Tgt Ion: 98 Resp: 189641
Ion Ratio Lower Upper
98 100
100 65.6 52.6 78.8

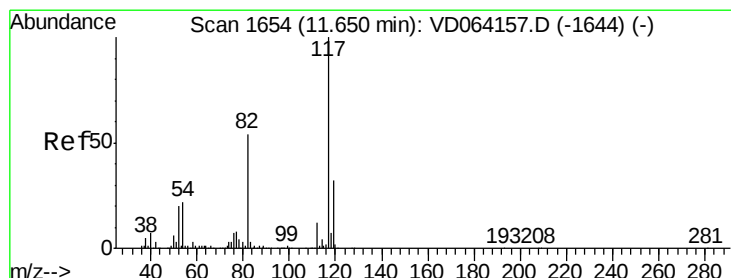
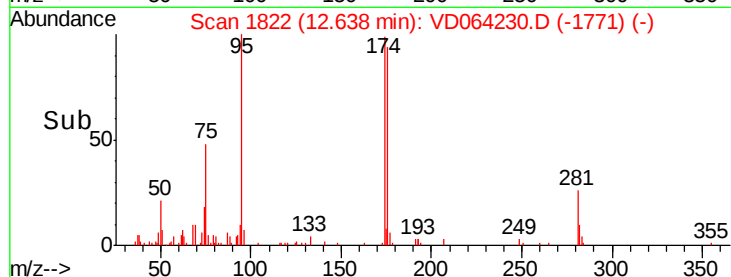
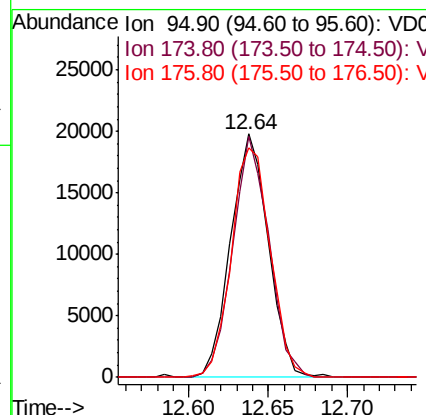
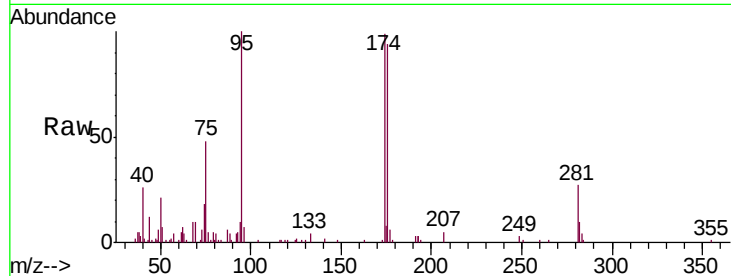




#62
4-Bromofluorobenzene
Concen: 17.234 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064230.D
Acq: 15 Nov 2019 16:33

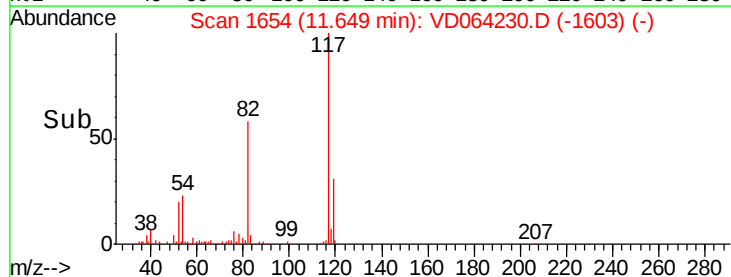
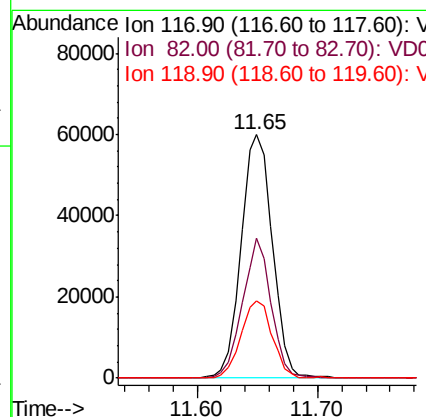
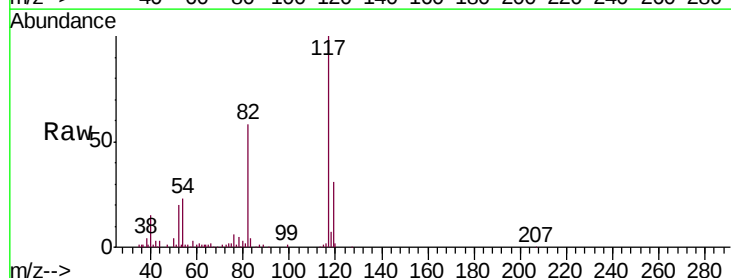
Instrument :
MSVOA_D
ClientSampleId :
DRUM-B

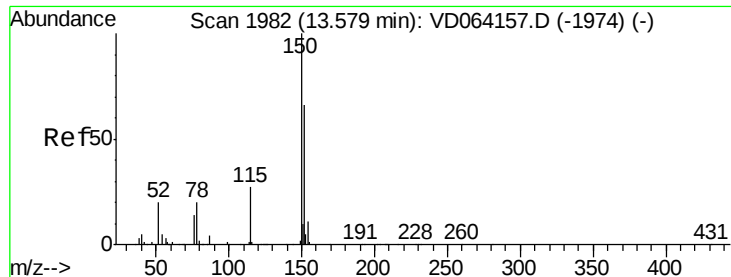
Tgt Ion: 95 Resp: 32528
Ion Ratio Lower Upper
95 100
174 95.2 0.0 183.6
176 97.4 0.0 180.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064230.D
Acq: 15 Nov 2019 16:33

Tgt Ion: 117 Resp: 108304
Ion Ratio Lower Upper
117 100
82 57.7 42.8 64.2
119 31.5 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD064230.D

Acq: 15 Nov 2019 16:33

Instrument :

MSVOA_D

ClientSampleId :

DRUM-B

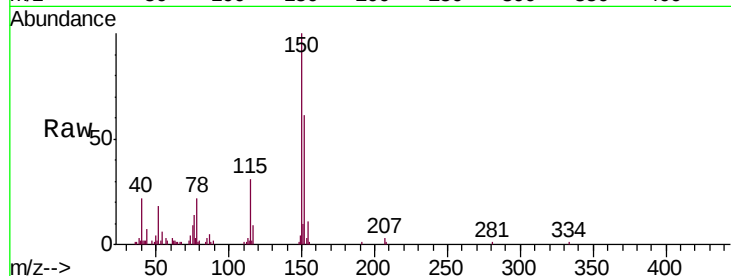
Tgt Ion:152 Resp: 26673

Ion Ratio Lower Upper

152 100

115 51.3 27.4 82.2

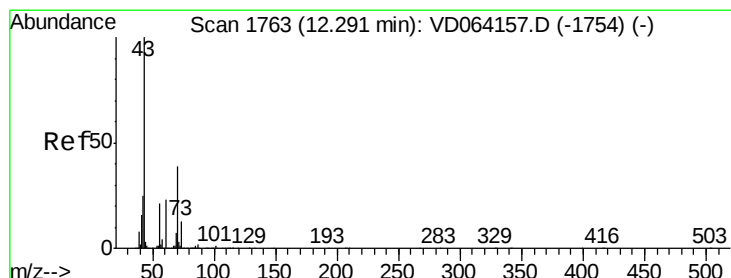
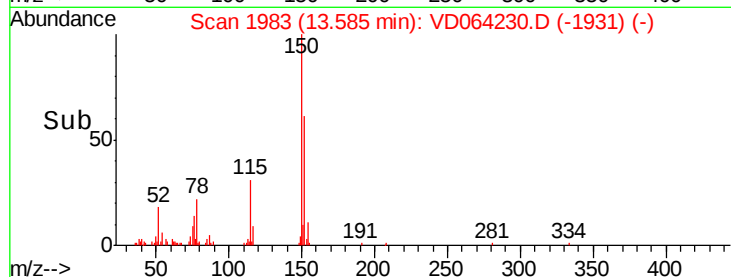
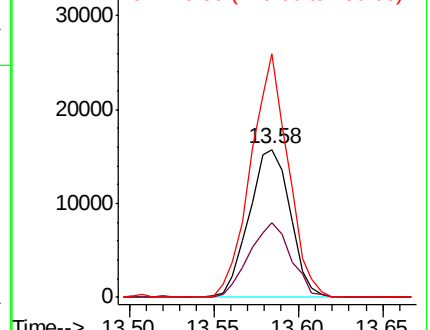
150 149.5 0.0 351.6



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



#74

N-ethyl acetate

Concen: 2.373 ug/l

RT: 12.28 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VD064230.D

Acq: 15 Nov 2019 16:33

Tgt Ion: 43 Resp: 1097

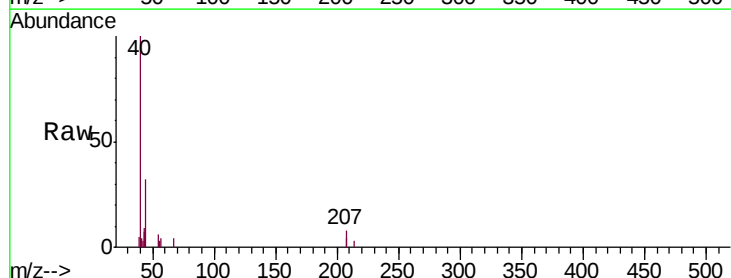
Ion Ratio Lower Upper

43 100

70 0.0 32.4 48.6#

55 22.9 17.9 26.9

61 0.0 19.0 28.4#

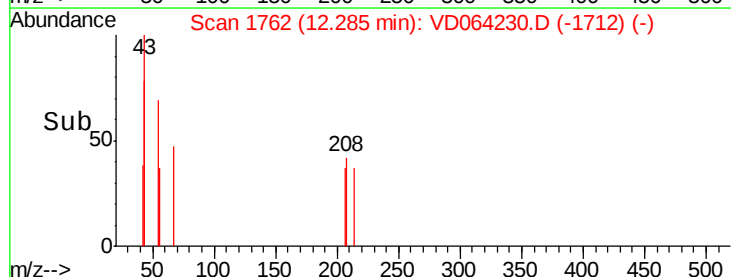
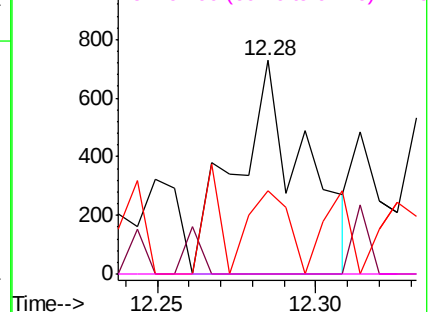


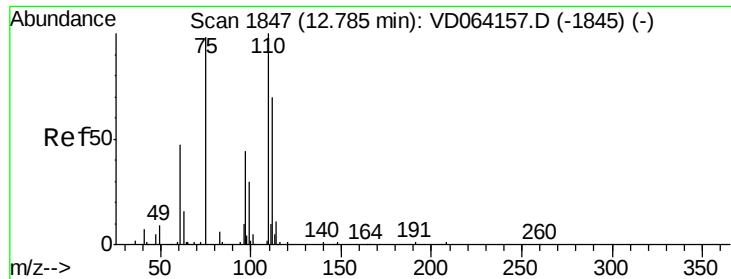
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#76

1,2,3-Trichloropropane

Concen: 77.340 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064230.D

Acq: 15 Nov 2019 16:33

Instrument :

MSVOA_D

ClientSampleId :

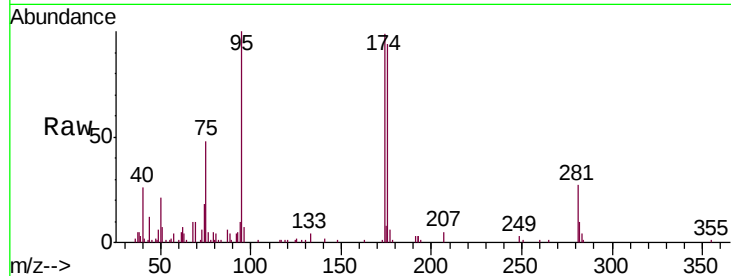
DRUM-B

Tgt Ion: 75 Resp: 16616

Ion Ratio Lower Upper

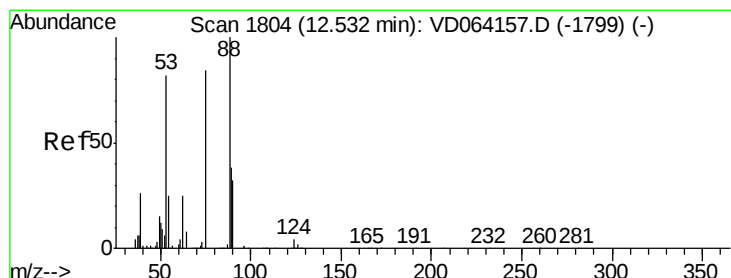
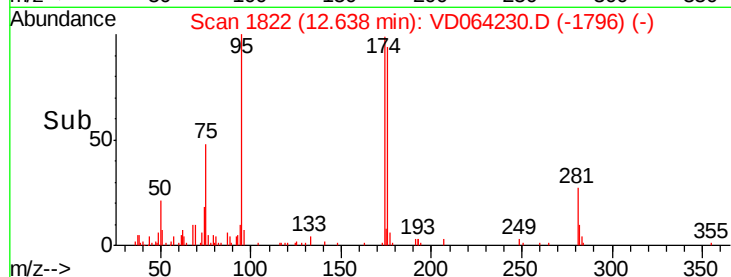
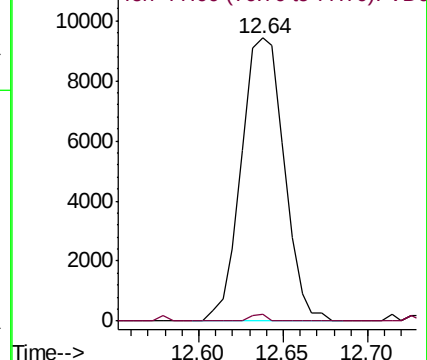
75 100

77 0.8 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: 153.628 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064230.D

Acq: 15 Nov 2019 16:33

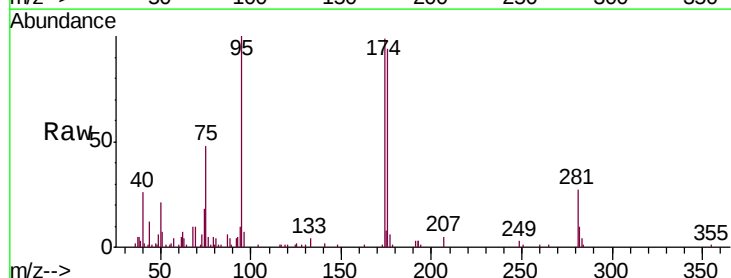
Tgt Ion: 75 Resp: 16616

Ion Ratio Lower Upper

75 100

53 0.5 79.4 119.0#

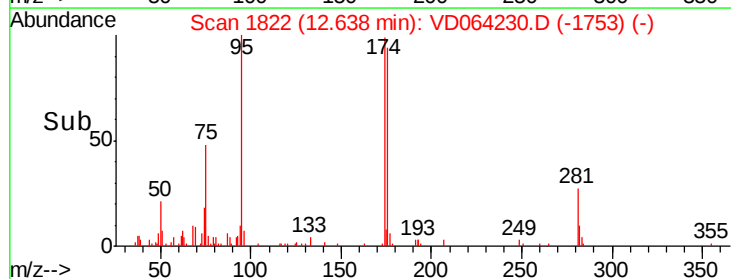
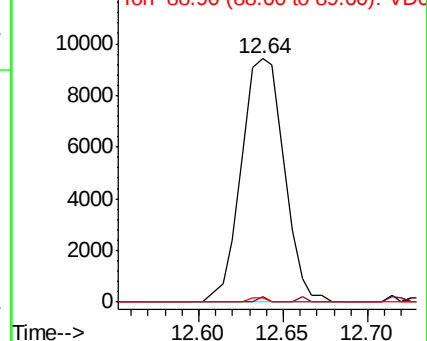
89 0.7 36.6 55.0#

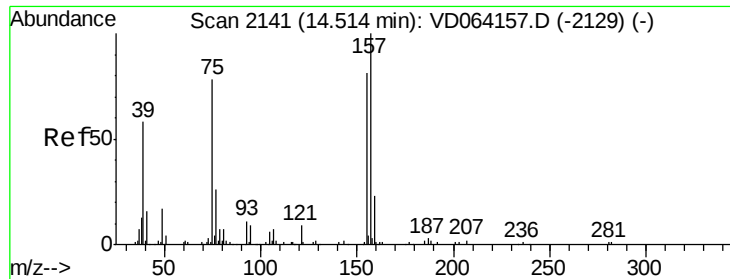


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

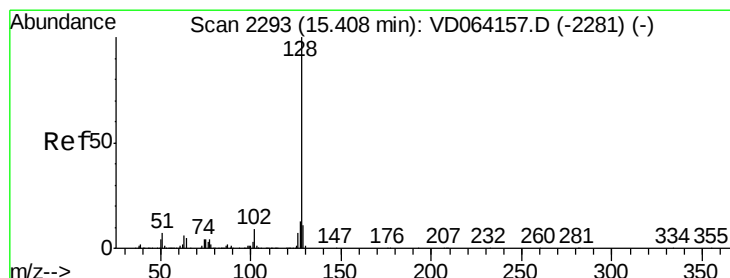
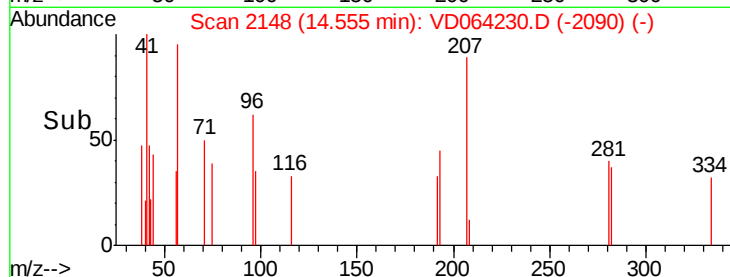
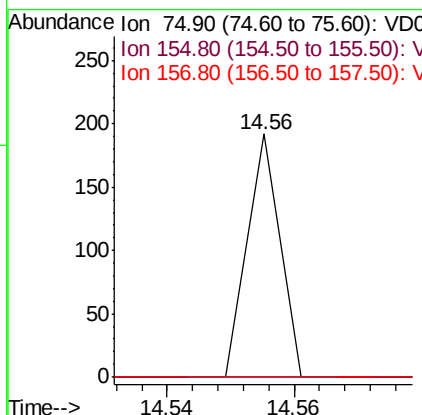
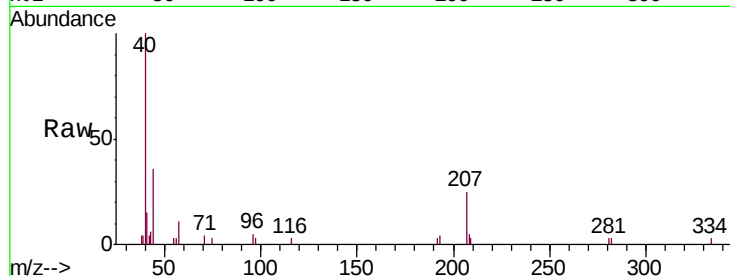




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.289 ug/l
 RT: 14.56 min Scan# 2148
 Delta R.T. 0.04 min
 Lab File: VD064230.D
 Acq: 15 Nov 2019 16:33

Instrument :
 MSVOA_D
 ClientSampleId :
 DRUM-B

Tgt Ion: 75 Resp: 68
 Ion Ratio Lower Upper
 75 100
 155 0.0 48.0 144.0#
 157 0.0 61.5 184.4#



#95
 Naphthalene
 Concen: 4.233 ug/l
 RT: 15.40 min Scan# 2292
 Delta R.T. -0.01 min
 Lab File: VD064230.D
 Acq: 15 Nov 2019 16:33

Tgt Ion: 128 Resp: 4000
 Ion Ratio Lower Upper
 128 100
 127 20.5 10.5 15.7#
 129 11.9 8.6 13.0

