

Data File : VD064221.D
Acq On : 15 Nov 2019 12:14
Operator : VA/SY
Sample : K5671-06
Misc : 6.30G/5.00ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
OR-03-111419

Quant Time: Nov 16 04:50:14 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	953871	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1412358	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1324778	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	626007	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	418061	53.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.58%	
35) Dibromofluoromethane	7.92	113	432579	53.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.72%	
50) Toluene-d8	10.34	98	1663804	54.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.80%	
62) 4-Bromofluorobenzene	12.64	95	590163	55.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.44%	

Target Compounds

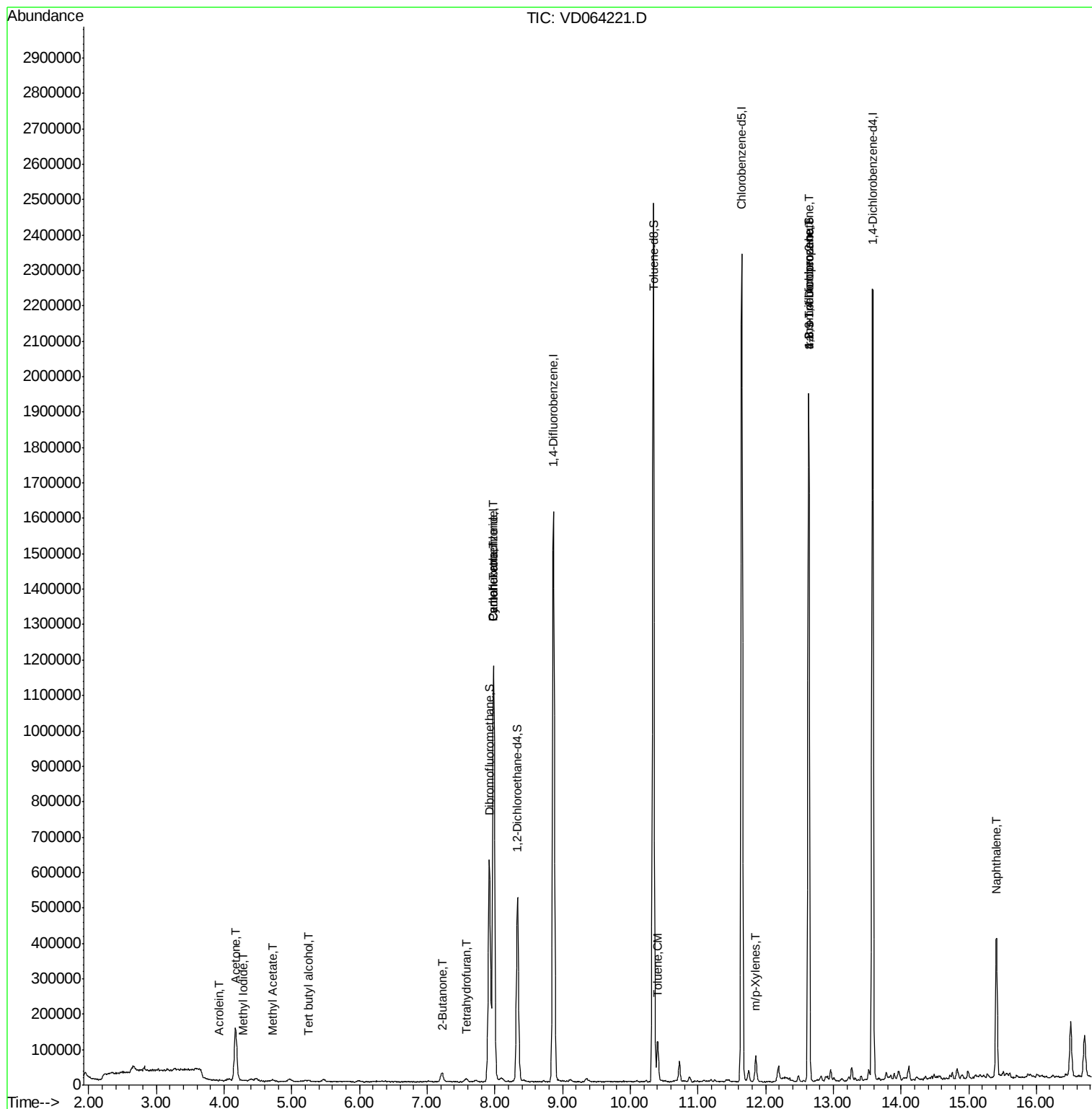
						Qvalue
10) Methyl Iodide	4.29	142	2648	2.296	ug/l #	93
11) Tert butyl alcohol	5.25	59	7925	14.463	ug/l #	79
13) Acrolein	3.92	56	987	2.129	ug/l	99
16) Acetone	4.17	43	268795	144.631	ug/l	97
18) Methyl Acetate	4.73	43	6796	1.309	ug/l #	70
25) 2-Butanone	7.24	43	5171	2.154	ug/l	97
29) Tetrahydrofuran	7.58	42	8490	5.885	ug/l #	89
31) Cyclohexane	7.98	56	21164	1.375	ug/l #	9
38) Carbon Tetrachloride	7.98	117	86073	6.171	ug/l #	15
52) Toluene	10.41	92	45802	1.955	ug/l	99
68) m/p-Xylenes	11.86	106	22257	1.192	ug/l	96
76) 1,2,3-Trichloropropane	12.64	75	305339	60.556	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	305339	120.287	ug/l #	10
95) Naphthalene	15.41	128	356837	16.089	ug/l	99

(#) = 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# 1030

Delta R.T. -0.01 min

Lab File: VD064221.D

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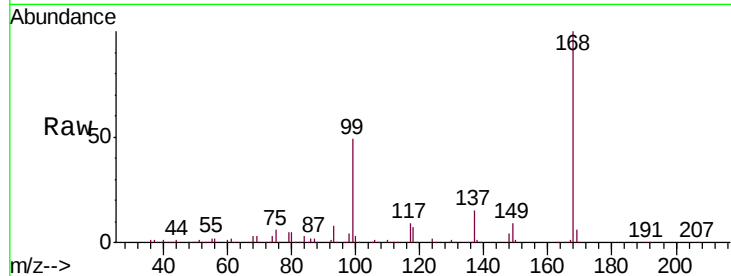
OR-03-111419

Tgt Ion:168 Resp: 953871

Ion Ratio Lower Upper

168 100

99 48.6 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

500000

400000

300000

200000

100000

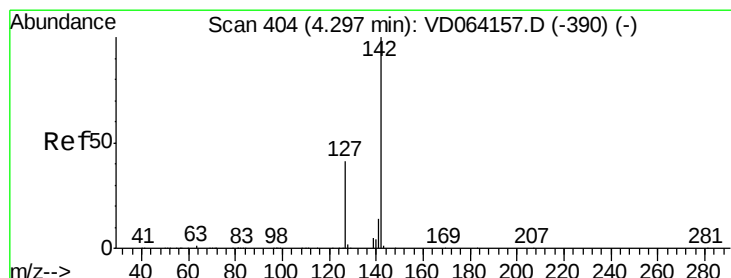
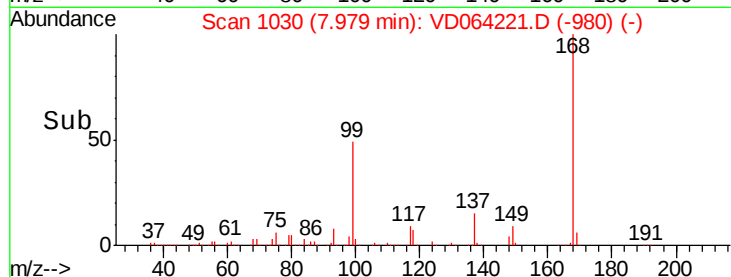
0

7.90

8.00

8.10

Time-->



#10

Methyl Iodide

Concen: 2.296 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064221.D

Acq: 15 Nov 2019 12:14

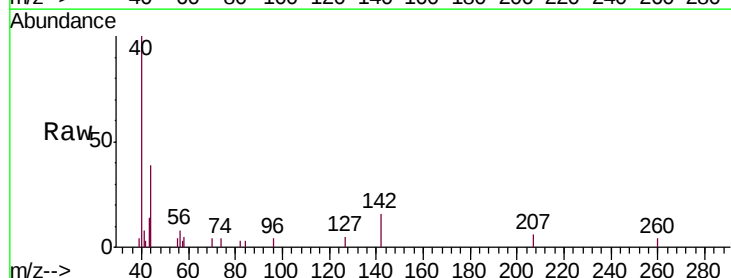
Tgt Ion:142 Resp: 2648

Ion Ratio Lower Upper

142 100

127 46.5 34.4 51.6

141 9.4 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

1200

1000

800

600

400

200

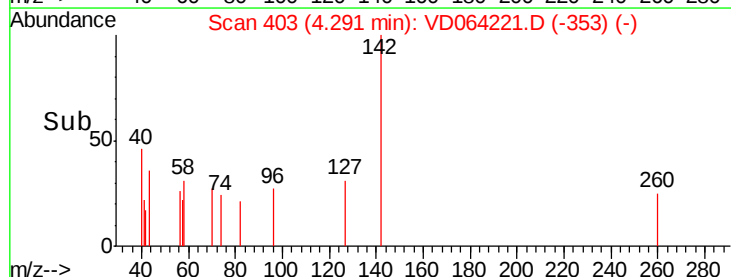
0

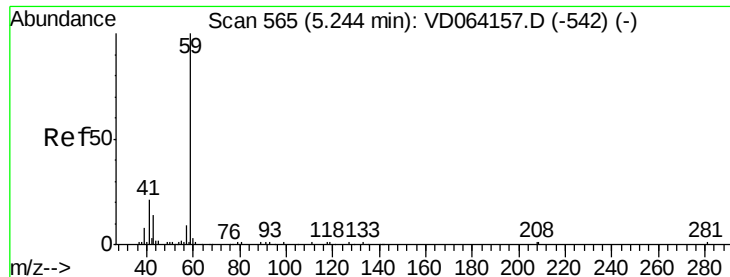
4.25

4.30

4.35

Time-->

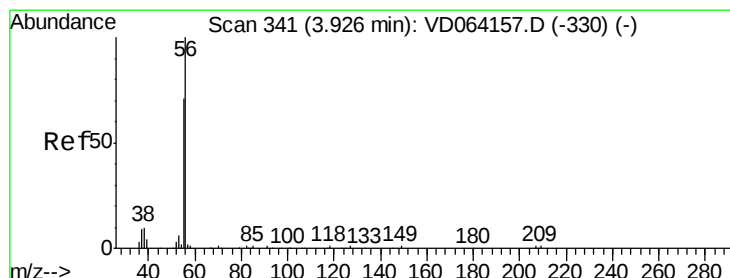
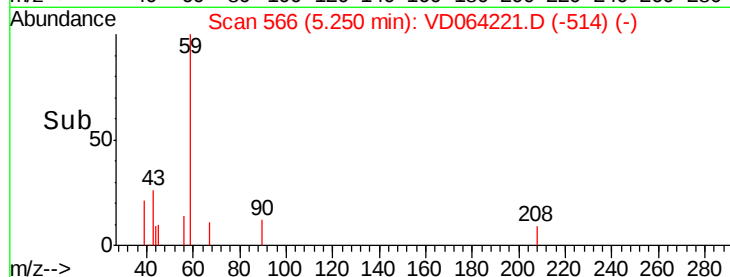
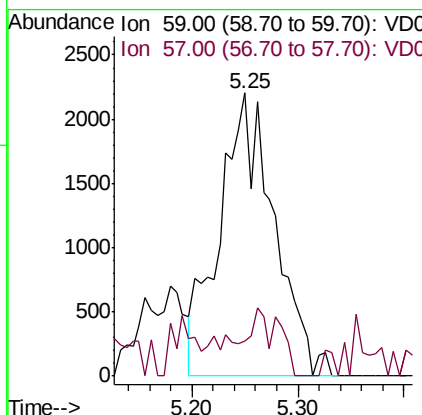
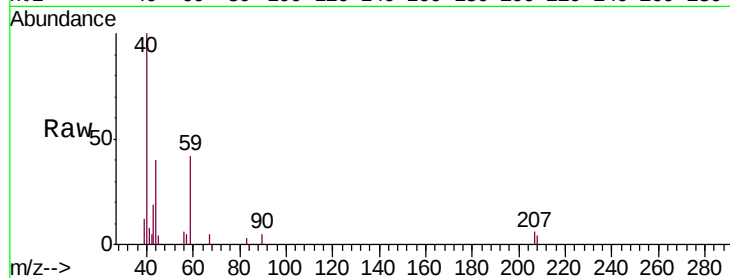




#11
Tert butyl alcohol
Concen: 14.463 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD064221.D
Acq: 15 Nov 2019 12:14

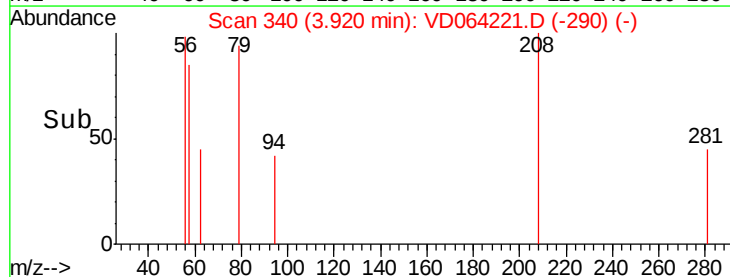
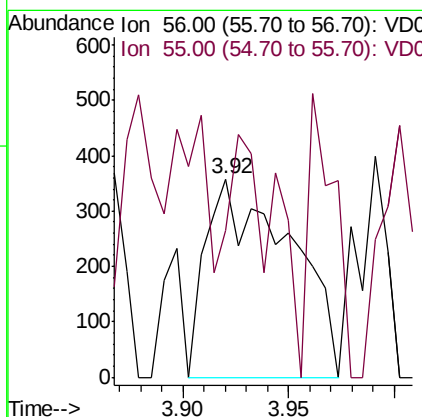
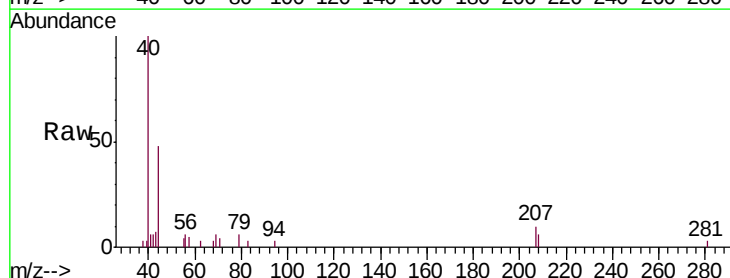
Instrument :
MSVOA_D
ClientSampleId :
OR-03-111419

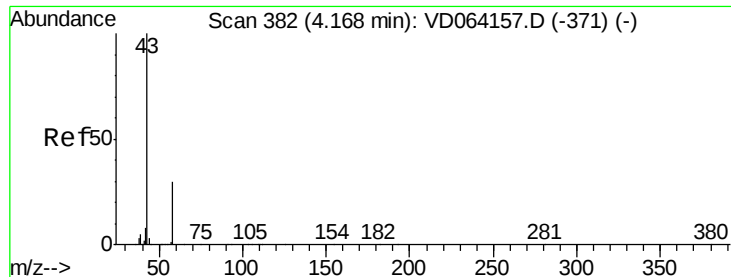
Tgt Ion: 59 Resp: 7925
Ion Ratio Lower Upper
59 100
57 3.5 9.4 14.2#



#13
Acrolein
Concen: 2.129 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD064221.D
Acq: 15 Nov 2019 12:14

Tgt Ion: 56 Resp: 987
Ion Ratio Lower Upper
56 100
55 69.6 56.1 84.1

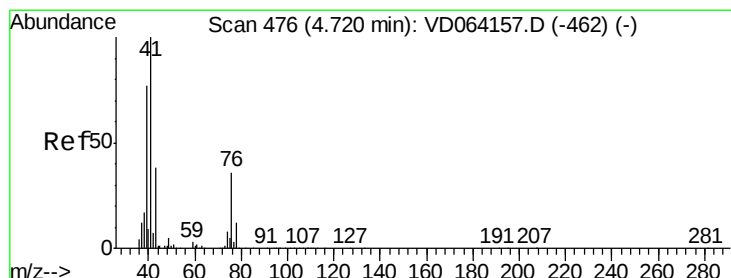
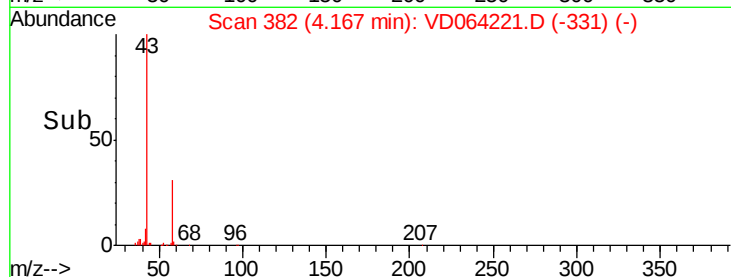
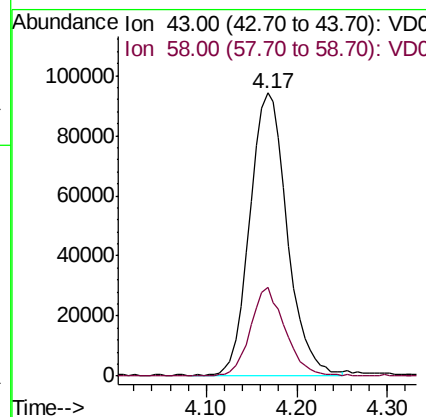
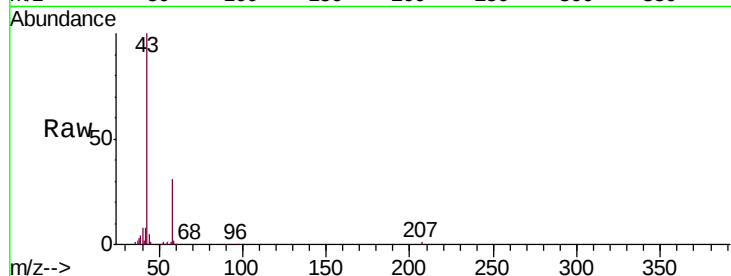




#16
Acetone
Concen: 144.631 ug/l
RT: 4.17 min Scan# 382
Delta R.T. -0.00 min
Lab File: VD064221.D
Acq: 15 Nov 2019 12:14

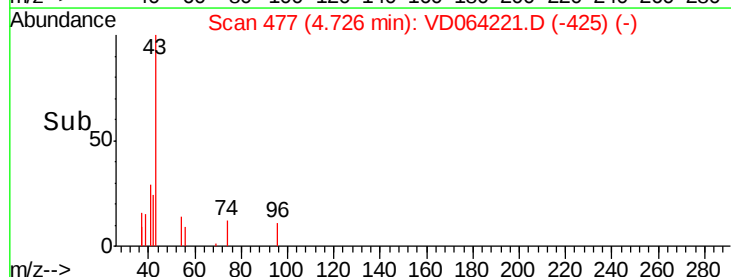
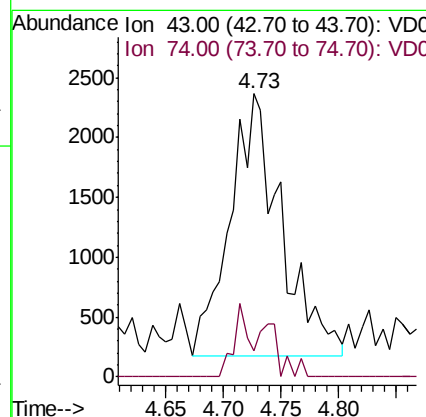
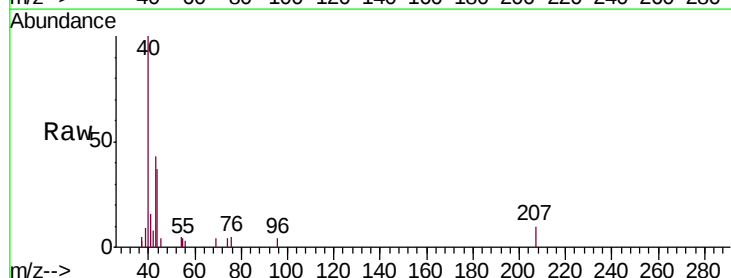
Instrument :
MSVOA_D
ClientSampleId :
OR-03-111419

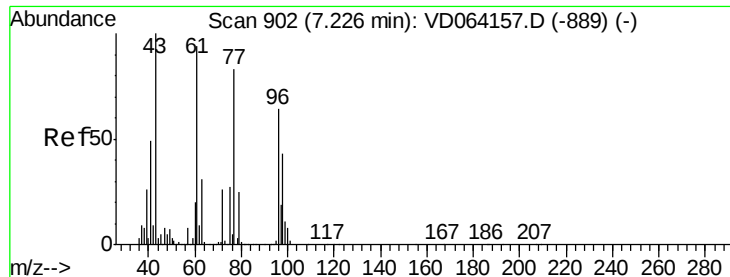
Tgt Ion: 43 Resp: 268795
Ion Ratio Lower Upper
43 100
58 31.6 24.1 36.1



#18
Methyl Acetate
Concen: 1.309 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD064221.D
Acq: 15 Nov 2019 12:14

Tgt Ion: 43 Resp: 6796
Ion Ratio Lower Upper
43 100
74 8.3 18.4 27.6#

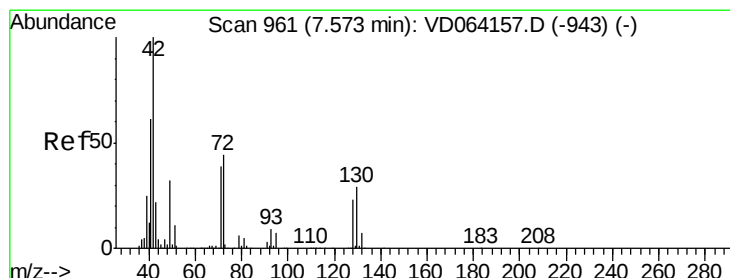
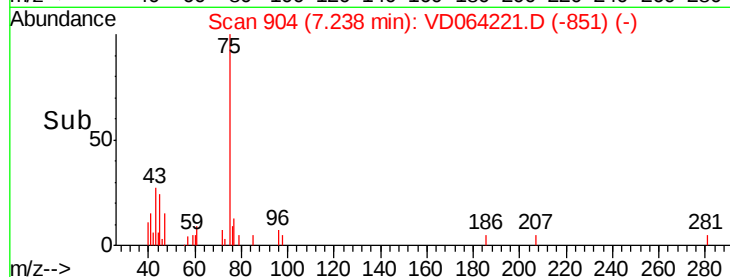
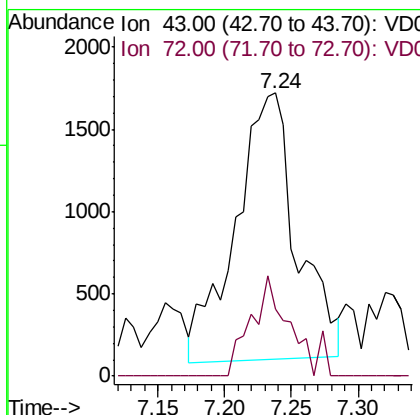
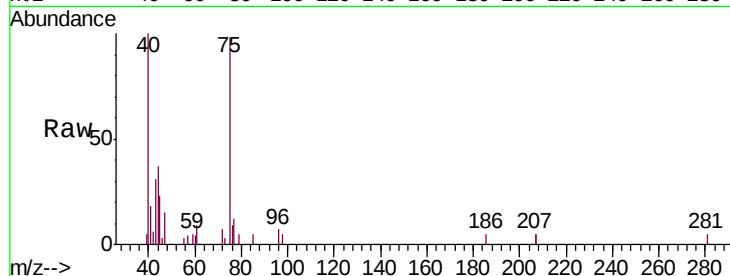




#25
2-Butanone
Concen: 2.154 ug/l
RT: 7.24 min Scan# 904
Delta R.T. 0.01 min
Lab File: VD064221.D
Acq: 15 Nov 2019 12:14

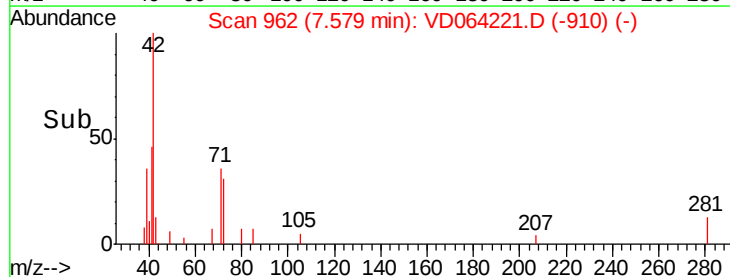
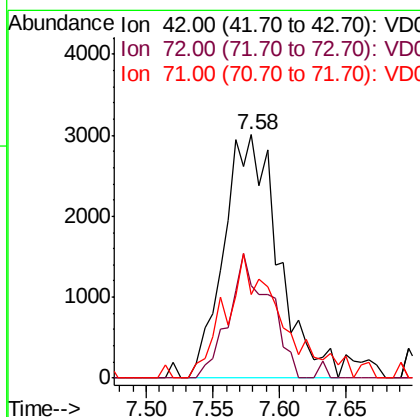
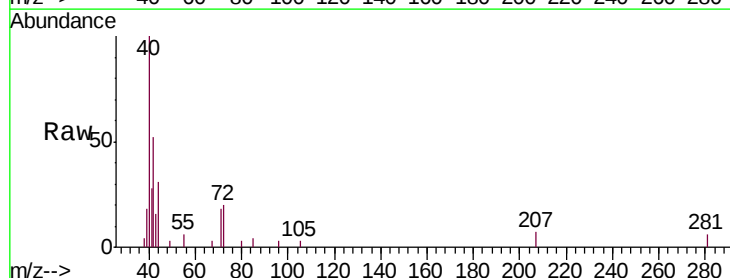
Instrument :
MSVOA_D
ClientSampleId :
OR-03-111419

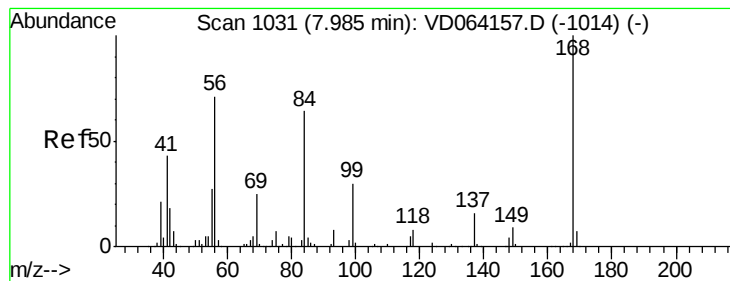
Tgt Ion: 43 Resp: 5171
Ion Ratio Lower Upper
43 100
72 27.4 20.6 30.8



#29
Tetrahydrofuran
Concen: 5.885 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD064221.D
Acq: 15 Nov 2019 12:14

Tgt Ion: 42 Resp: 8490
Ion Ratio Lower Upper
42 100
72 38.1 33.4 50.2
71 49.4 31.0 46.4#





#31

Cyclohexane

Concen: 1.375 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064221.D

Acq: 15 Nov 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

OR-03-111419

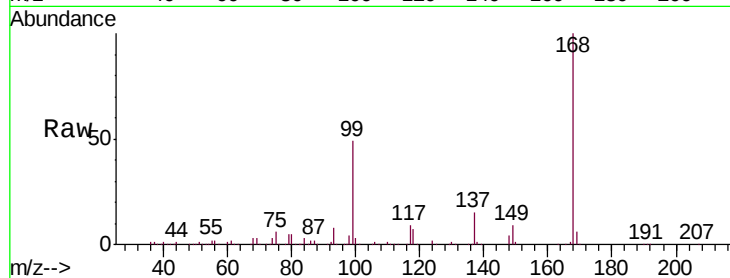
Tgt Ion: 56 Resp: 21164

Ion Ratio Lower Upper

56 100

69 153.8 28.2 42.4#

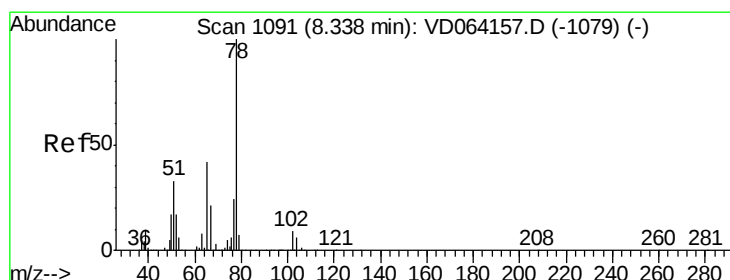
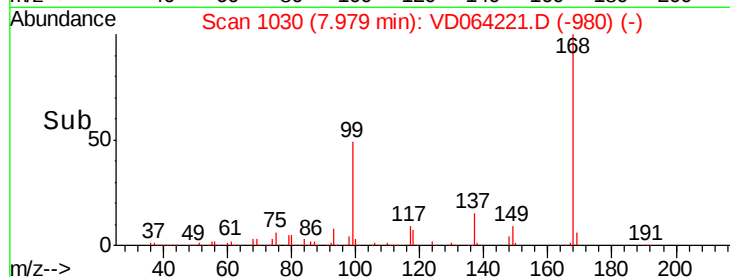
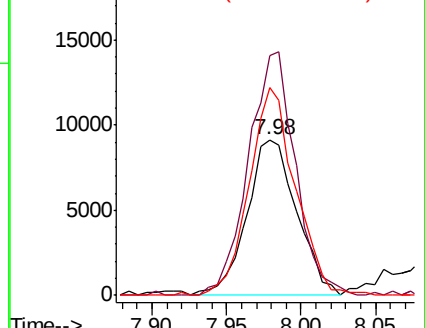
84 133.5 71.8 107.6#



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: 53.290 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD064221.D

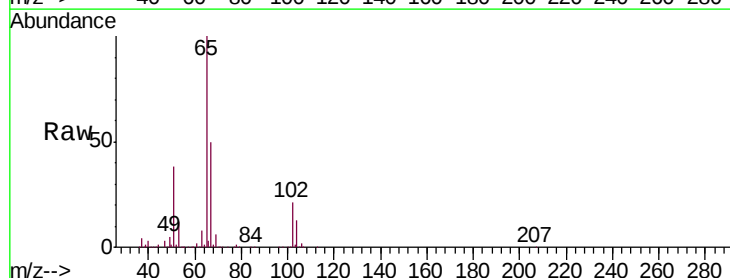
Acq: 15 Nov 2019 12:14

Tgt Ion: 65 Resp: 418061

Ion Ratio Lower Upper

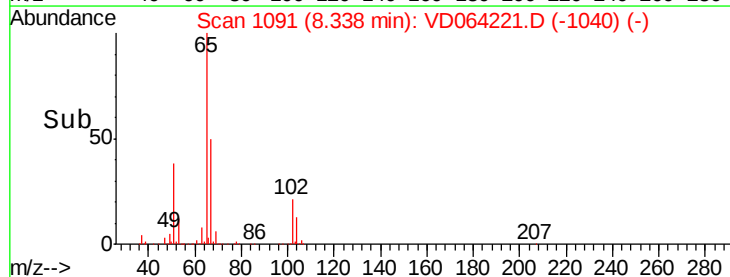
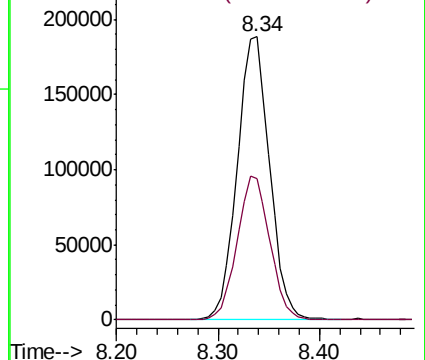
65 100

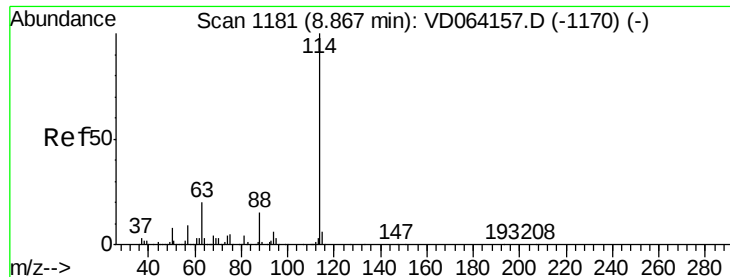
67 51.7 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

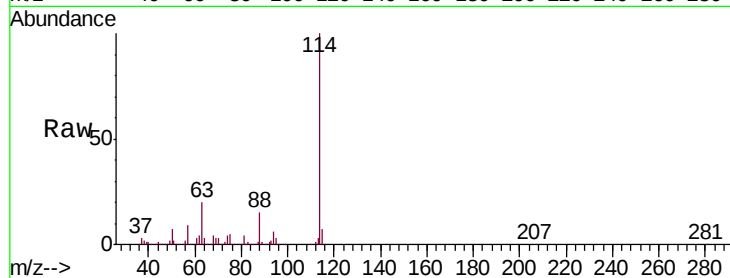




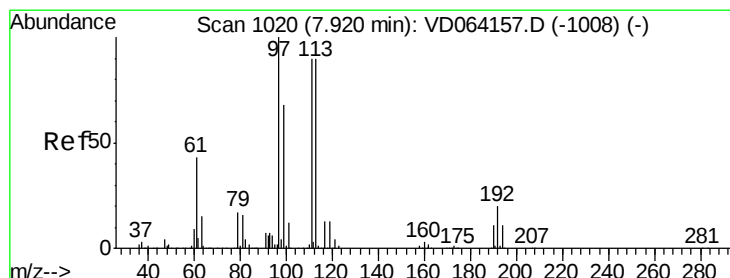
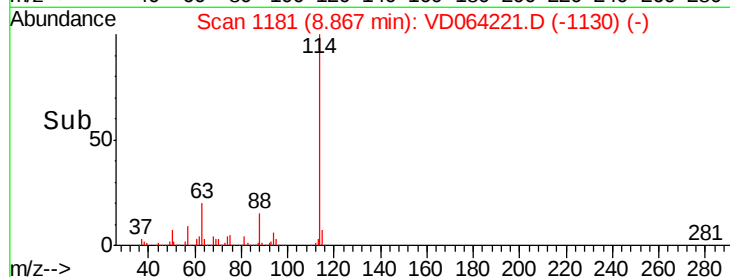
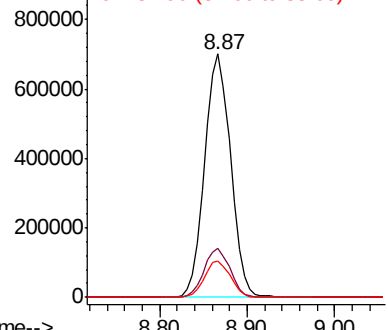
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064221.D
 Acq: 15 Nov 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-03-111419

Tgt Ion:114 Resp: 1412358
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.0
 88 15.1 0.0 30.2

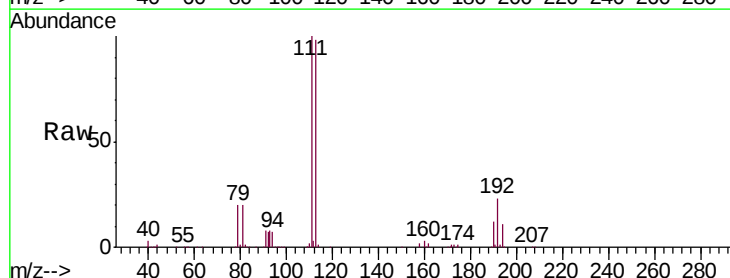


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VDC
 Ion 87.90 (87.60 to 88.60): VDC

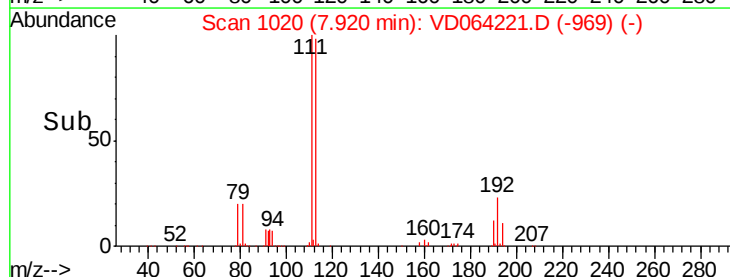
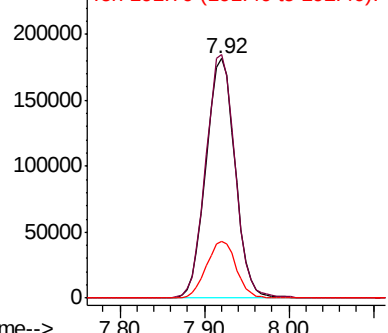


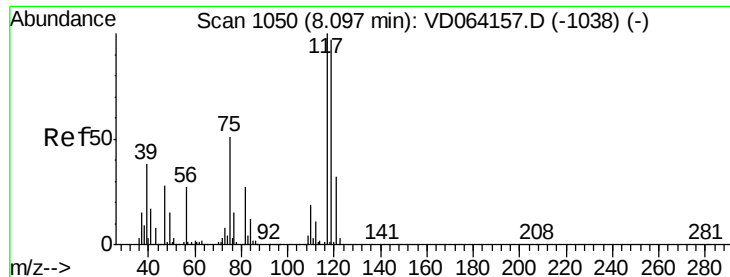
#35
 Dibromofluoromethane
 Concen: 53.358 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064221.D
 Acq: 15 Nov 2019 12:14

Tgt Ion:113 Resp: 432579
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.5 122.3
 192 24.0 18.8 28.2



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

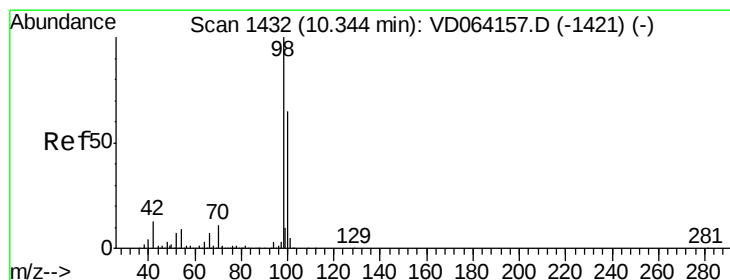
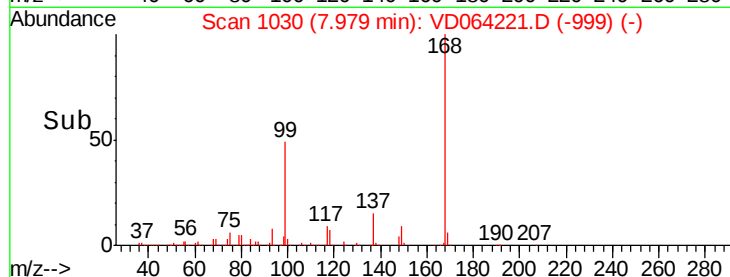
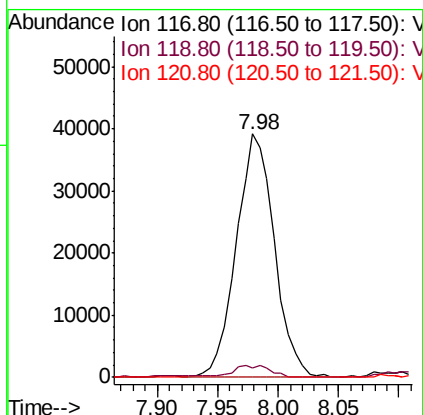
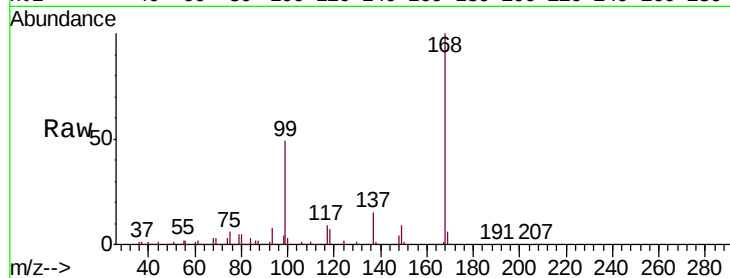




#38
Carbon Tetrachloride
Concen: 6.171 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD064221.D
Acq: 15 Nov 2019 12:14

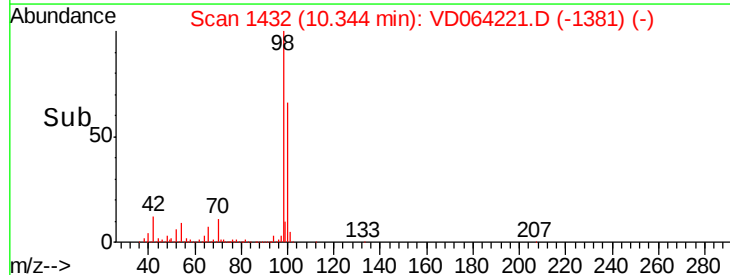
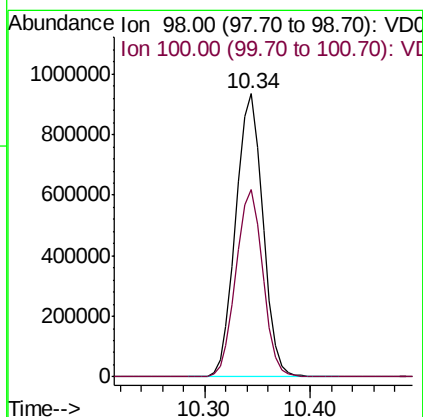
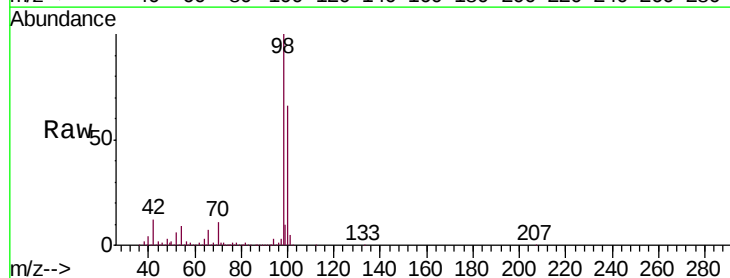
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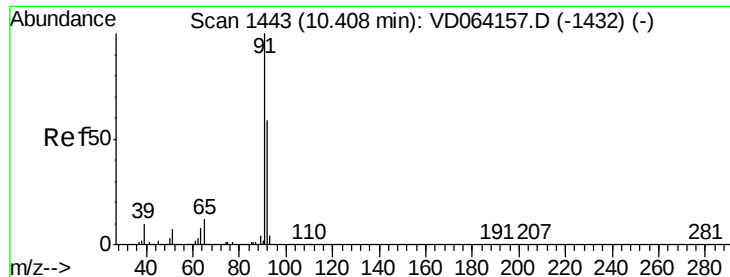
Tgt Ion:117 Resp: 86073
Ion Ratio Lower Upper
117 100
119 3.6 77.2 115.8#
121 0.0 25.5 38.3#



#50
Toluene-d8
Concen: 54.402 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064221.D
Acq: 15 Nov 2019 12:14

Tgt Ion: 98 Resp: 1663804
Ion Ratio Lower Upper
98 100
100 65.7 52.6 78.8





#52

Toluene

Concen: 1.955 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD064221.D

Acq: 15 Nov 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

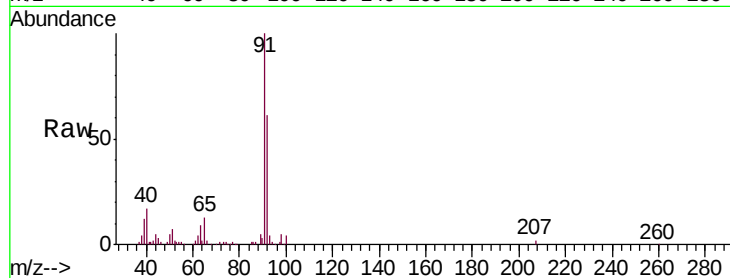
OR-03-111419

Tgt Ion: 92 Resp: 45802

Ion Ratio Lower Upper

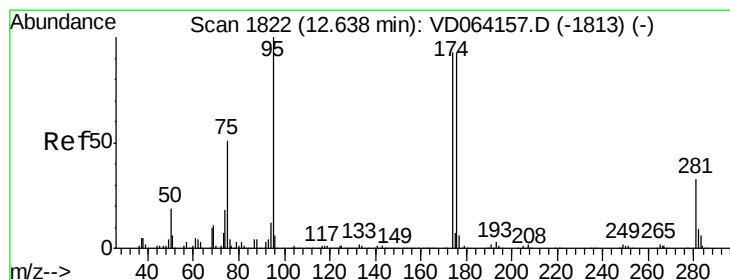
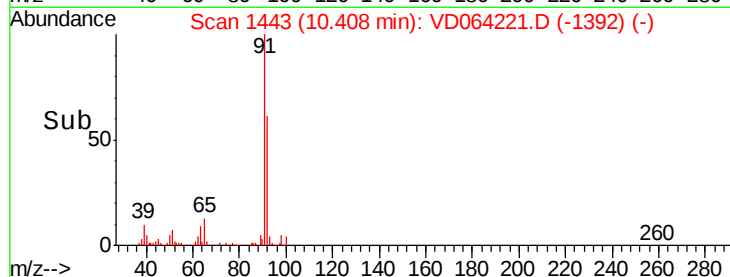
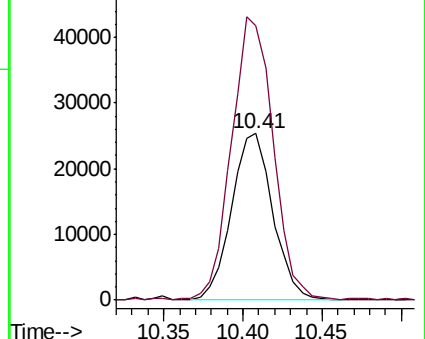
92 100

91 171.9 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: 55.721 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064221.D

Acq: 15 Nov 2019 12:14

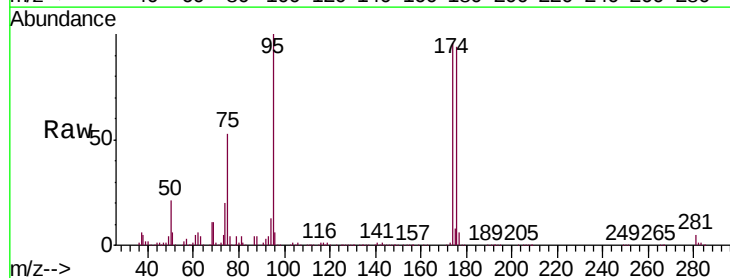
Tgt Ion: 95 Resp: 590163

Ion Ratio Lower Upper

95 100

174 95.9 0.0 183.6

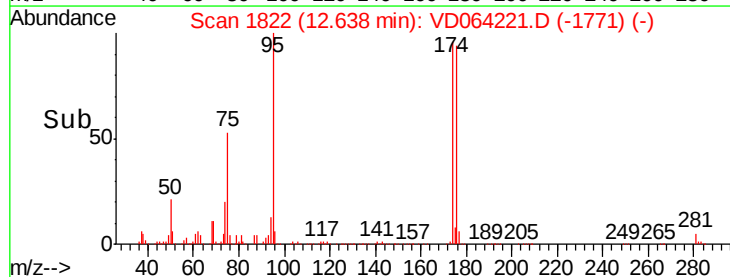
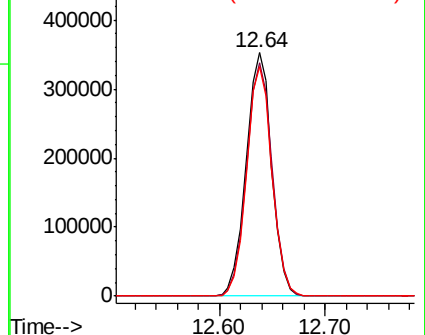
176 93.4 0.0 180.2

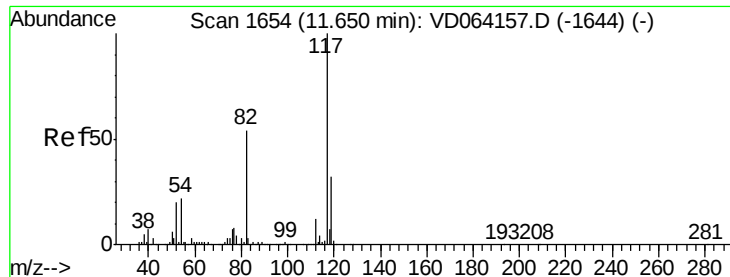


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

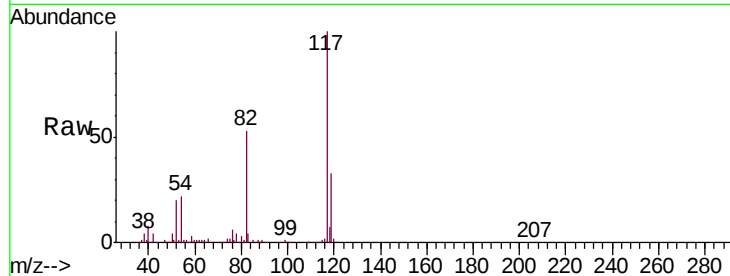




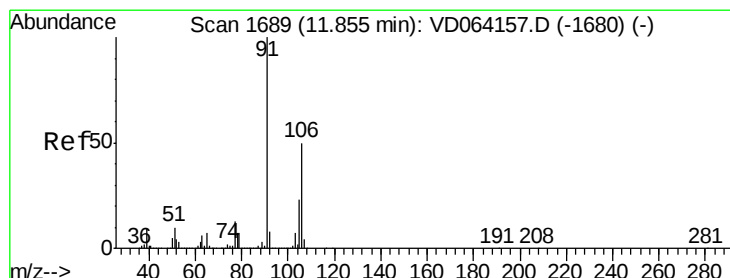
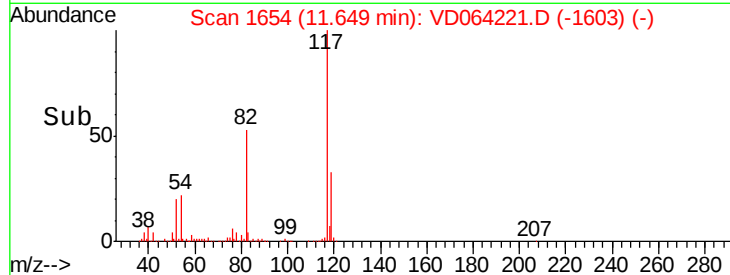
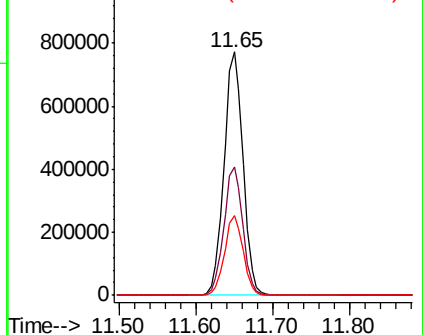
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064221.D
Acq: 15 Nov 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
OR-03-111419

Tgt Ion:117 Resp: 1324778
Ion Ratio Lower Upper
117 100
82 52.8 42.8 64.2
119 32.9 25.6 38.4

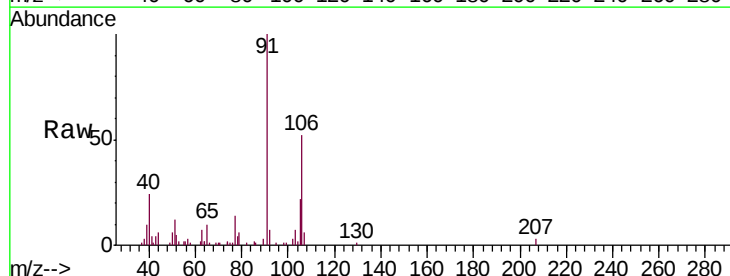


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

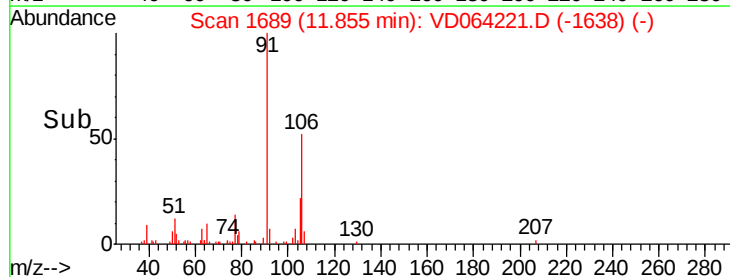
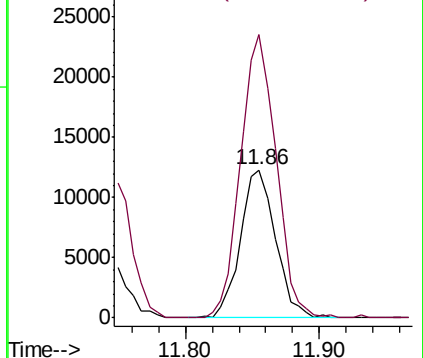


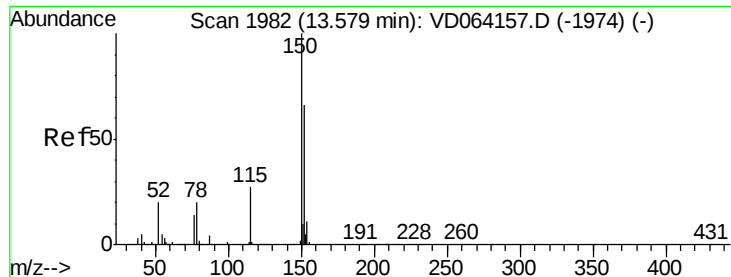
#68
m/p-Xylenes
Concen: 1.192 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD064221.D
Acq: 15 Nov 2019 12:14

Tgt Ion:106 Resp: 22257
Ion Ratio Lower Upper
106 100
91 194.3 160.3 240.5



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD064221.D

Acq: 15 Nov 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

OR-03-111419

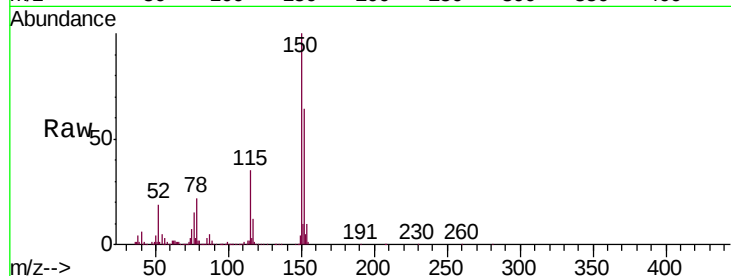
Tgt Ion:152 Resp: 626007

Ion Ratio Lower Upper

152 100

115 55.5 27.4 82.2

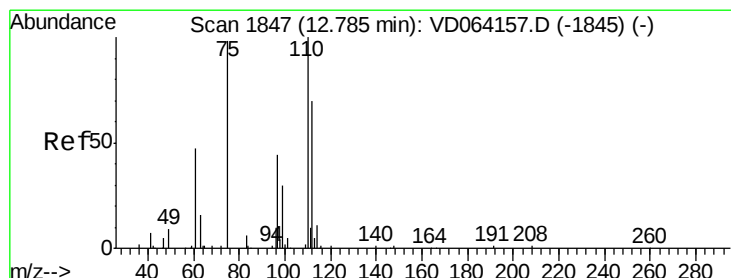
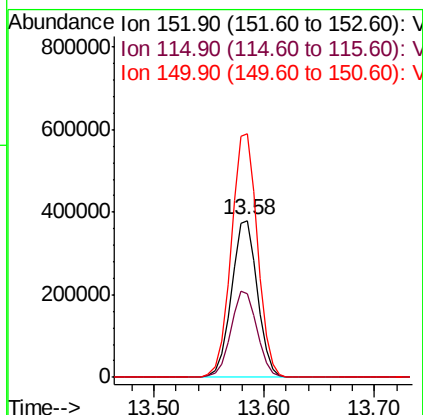
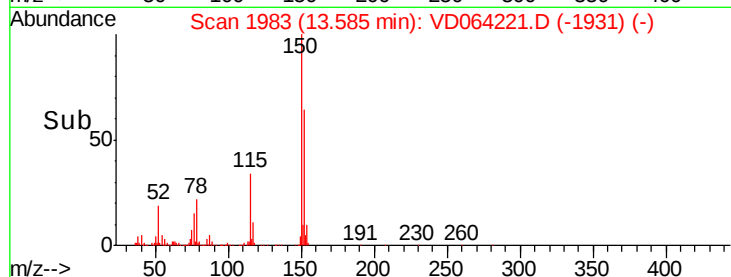
150 156.7 0.0 351.6



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



#76

1,2,3-Trichloropropane

Concen: 60.556 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064221.D

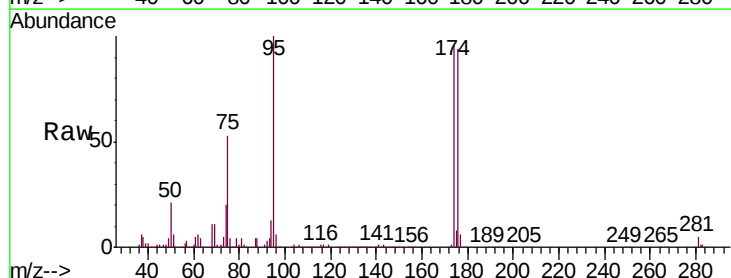
Acq: 15 Nov 2019 12:14

Tgt Ion: 75 Resp: 305339

Ion Ratio Lower Upper

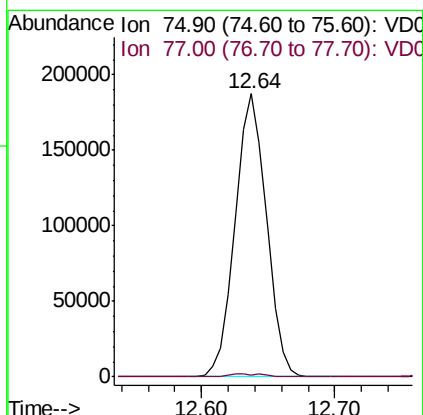
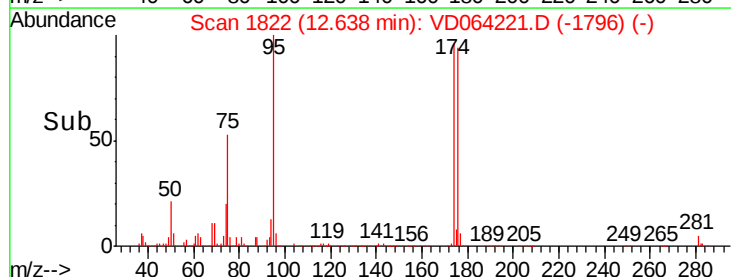
75 100

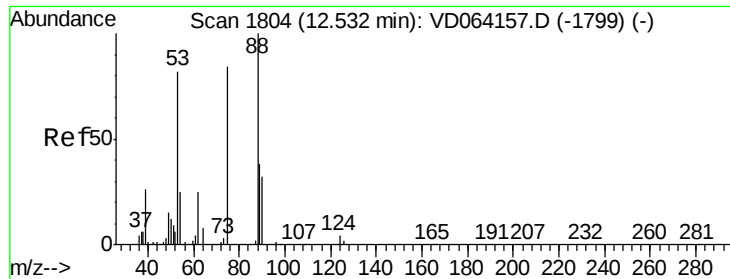
77 1.2 0.0 0.0#



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: 120.287 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064221.D

Acq: 15 Nov 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

OR-03-111419

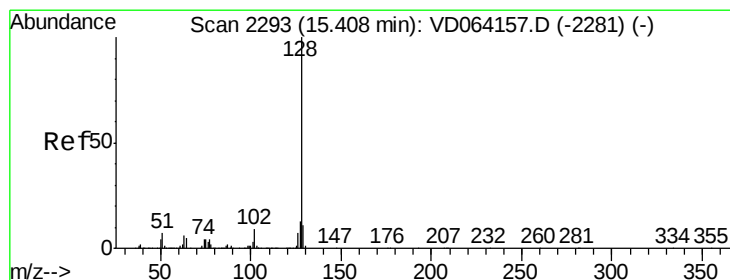
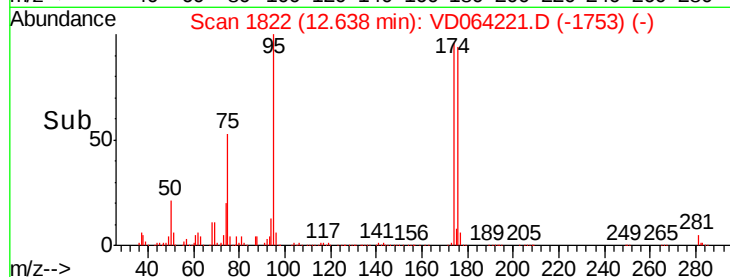
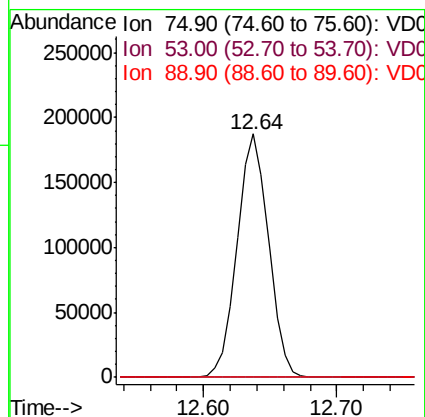
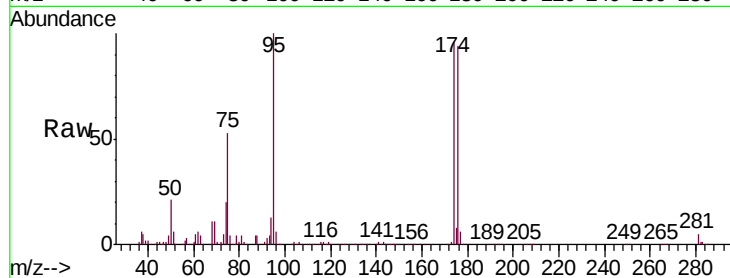
Tgt Ion: 75 Resp: 305339

Ion Ratio Lower Upper

75 100

53 0.0 79.4 119.0#

89 0.0 36.6 55.0#



#95

Naphthalene

Concen: 16.089 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD064221.D

Acq: 15 Nov 2019 12:14

Tgt Ion: 128 Resp: 356837

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

129 11.6 8.6 13.0

