

Data File : VD064224.D
Acq On : 15 Nov 2019 13:40
Operator : VA/SY
Sample : K5665-01
Misc : 9.19G/5.00ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
HR-05-111419

Quant Time: Nov 16 04:50:56 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	7.99	168	935646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1387794	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1228786	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	614528	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	399581	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
35) Dibromofluoromethane	7.92	113	417674	52.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.86%	
50) Toluene-d8	10.34	98	1641722	54.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.26%	
62) 4-Bromofluorobenzene	12.64	95	576006	55.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.70%	

Target Compounds				Qvalue		
10) Methyl Iodide	4.29	142	524	2.085	ug/l #	91
11) Tert butyl alcohol	5.25	59	2441	4.542	ug/l #	87
13) Acrolein	3.93	56	495	1.089	ug/l #	1
16) Acetone	4.16	43	24267	13.312	ug/l	92
25) 2-Butanone	7.23	43	8101	3.440	ug/l	98
31) Cyclohexane	7.98	56	18883	1.250	ug/l #	5
36) 1,1-Dichloropropene	7.98	75	62638	4.890	ug/l #	50
38) Carbon Tetrachloride	7.99	117	84797	6.187	ug/l #	16
39) Methylcyclohexane	9.36	83	28964	1.787	ug/l	95
51) 4-Methyl-2-Pentanone	10.34	43	14987	2.809	ug/l #	10
52) Toluene	10.41	92	287160	12.476	ug/l	99
55) 1,1,2-Trichloroethane	10.78	97	67136	10.850	ug/l #	22
56) Ethyl methacrylate	10.68	69	12476	1.441	ug/l #	1
59) 2-Hexanone	10.96	43	76269	20.094	ug/l #	31
67) Ethyl Benzene	11.75	91	713531	15.787	ug/l	99
68) m/p-Xylenes	11.86	106	1078528	62.255	ug/l	99
69) o-Xylene	12.18	106	735442	45.772	ug/l	100
70) Styrene	12.18	104	37564	1.339	ug/l #	1
73) Isopropylbenzene	12.48	105	259883	5.762	ug/l	98
74) N-amyl acetate	12.27	43	379675	35.645	ug/l #	59
75) 1,1,2,2-Tetrachloroethane	12.67	83	11635	1.712	ug/l #	1
76) 1,2,3-Trichloropropane	12.83	75	9721	1.964	ug/l #	100
78) n-propylbenzene	12.83	91	1393657	27.043	ug/l	100
79) 2-Chlorotoluene	12.89	91	448888	15.428	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.97	105	1742363	47.010	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.64	75	282892	113.526	ug/l #	10
82) 4-Chlorotoluene	12.97	91	190186	6.267	ug/l #	46
83) tert-Butylbenzene	13.27	119	786887	24.077	ug/l #	67
84) 1,2,4-Trimethylbenzene	13.27	105	6074050	165.996	ug/l	98
85) sec-Butylbenzene	13.41	105	430292	9.803	ug/l	78
86) p-Isopropyltoluene	13.52	119	301347	7.221	ug/l	99
89) n-Butylbenzene	13.85	91	1043956	27.690	ug/l #	71
90) Hexachloroethane	14.13	117	118075	15.310	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.53	75	3053	2.512	ug/l #	20

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD111519\
Quantitation Report (Not Reviewed)

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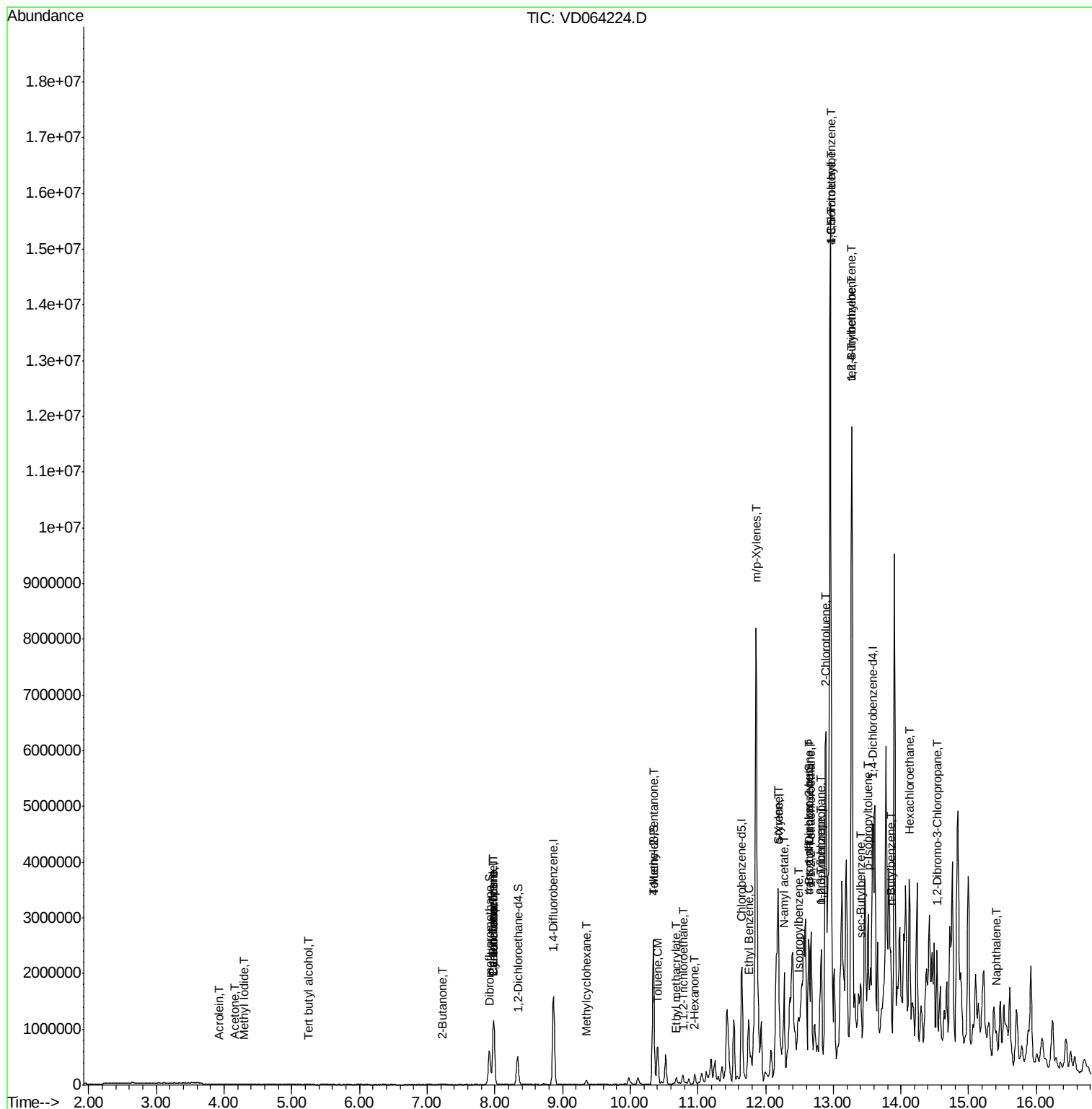
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.41	128	250896	11.524	ug/l #	91

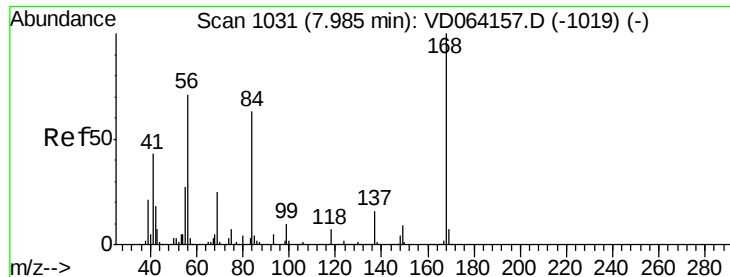
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064224.D

Acq: 15 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

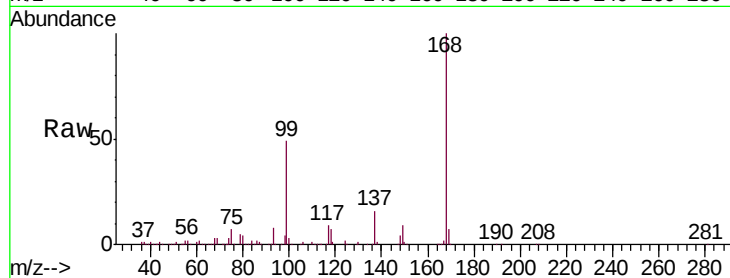
HR-05-111419

Tgt Ion:168 Resp: 935646

Ion Ratio Lower Upper

168 100

99 48.7 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VD

7.99

400000

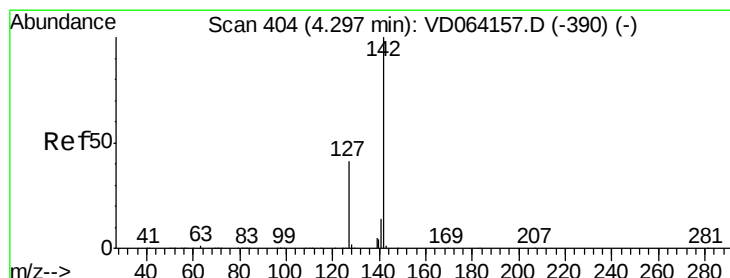
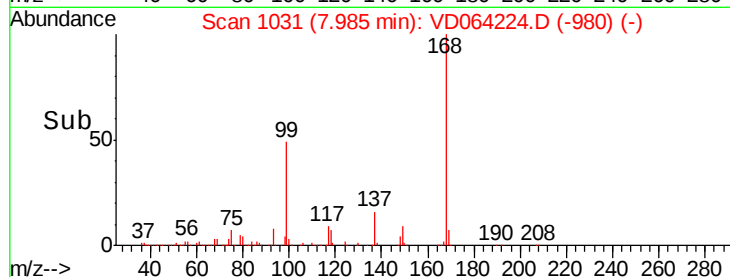
300000

200000

100000

0

Time-->



#10

Methyl Iodide

Concen: 2.085 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD064224.D

Acq: 15 Nov 2019 13:40

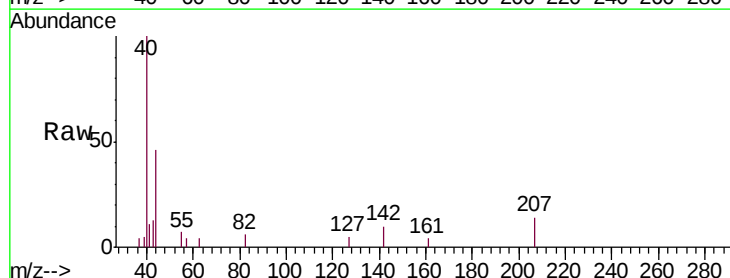
Tgt Ion:142 Resp: 524

Ion Ratio Lower Upper

142 100

127 42.7 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

4.29

600

500

400

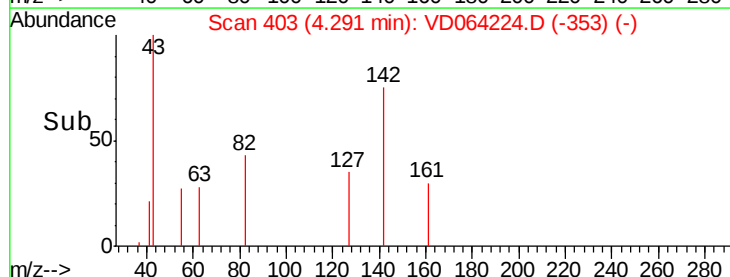
300

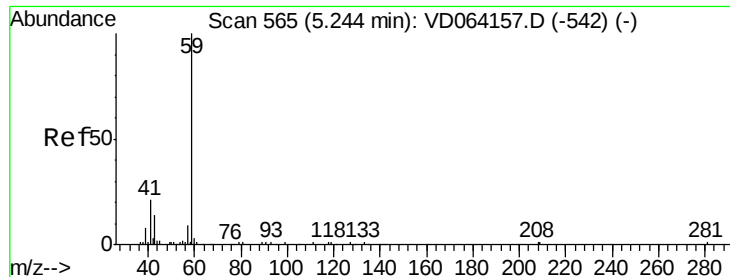
200

100

0

Time-->

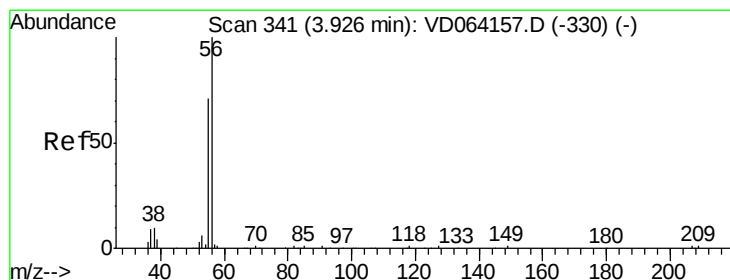
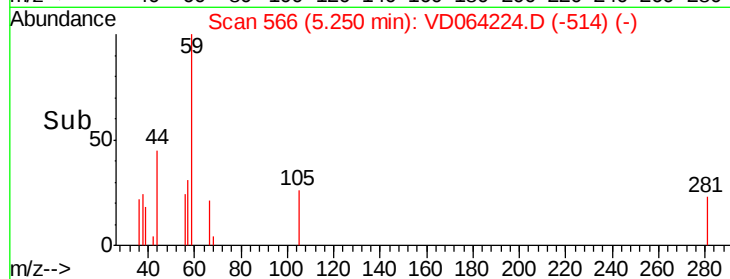
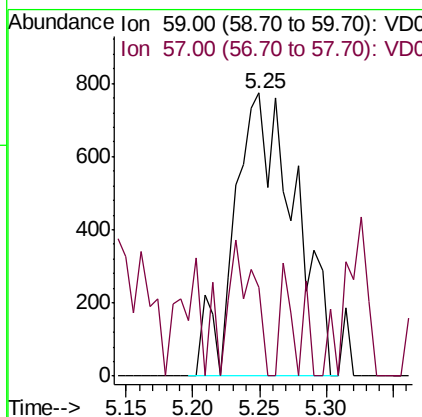
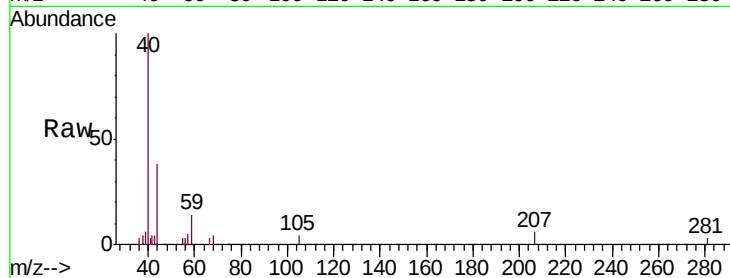




#11
Tert butyl alcohol
Concen: 4.542 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD064224.D
Acq: 15 Nov 2019 13:40

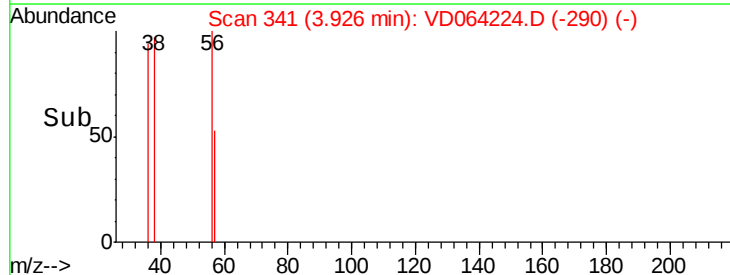
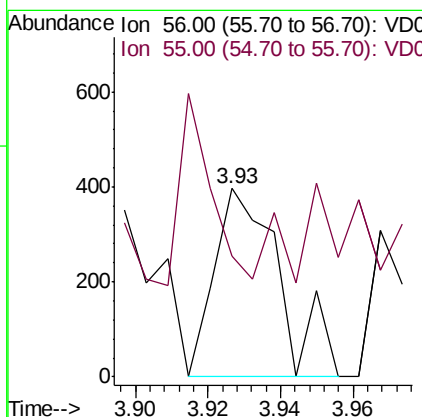
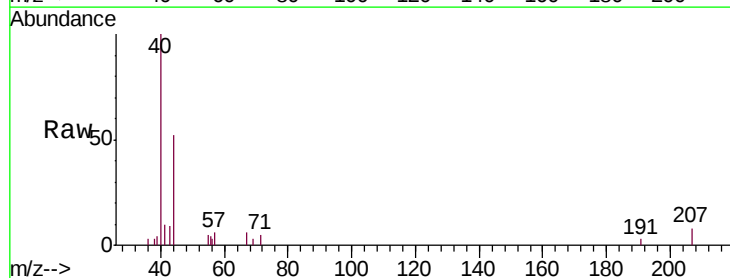
Instrument :
MSVOA_D
ClientSampleId :
HR-05-111419

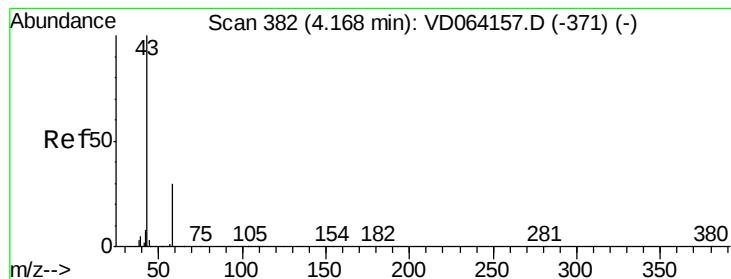
Tgt Ion: 59 Resp: 2441
Ion Ratio Lower Upper
59 100
57 7.0 9.4 14.2#



#13
Acrolein
Concen: 1.089 ug/l
RT: 3.93 min Scan# 341
Delta R.T. 0.00 min
Lab File: VD064224.D
Acq: 15 Nov 2019 13:40

Tgt Ion: 56 Resp: 495
Ion Ratio Lower Upper
56 100
55 172.5 56.1 84.1#





#16

Acetone

Concen: 13.312 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064224.D

Acq: 15 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

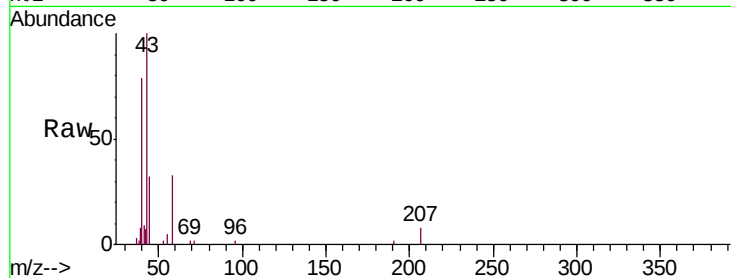
HR-05-111419

Tgt Ion: 43 Resp: 24267

Ion Ratio Lower Upper

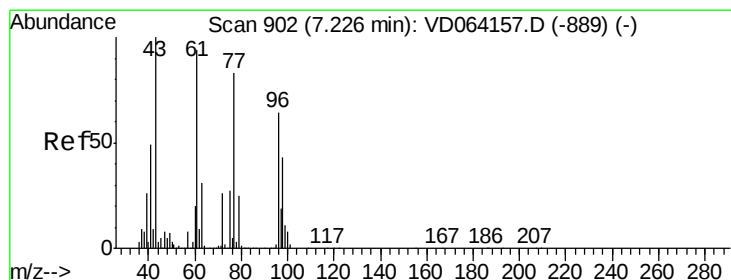
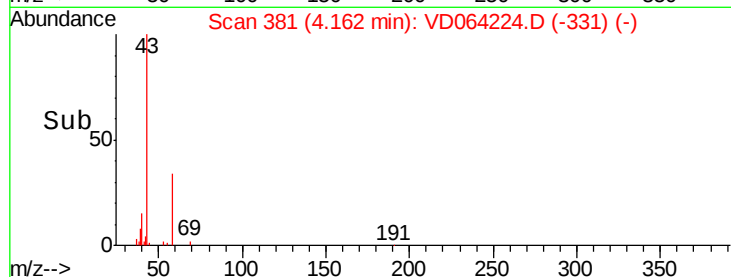
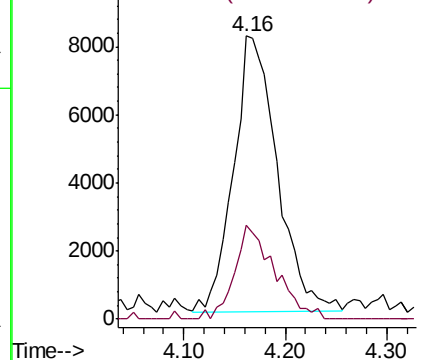
43 100

58 34.4 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#25

2-Butanone

Concen: 3.440 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD064224.D

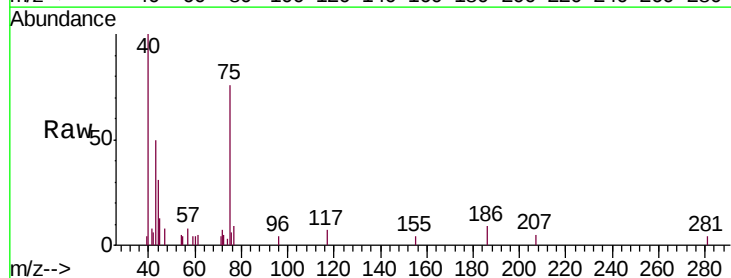
Acq: 15 Nov 2019 13:40

Tgt Ion: 43 Resp: 8101

Ion Ratio Lower Upper

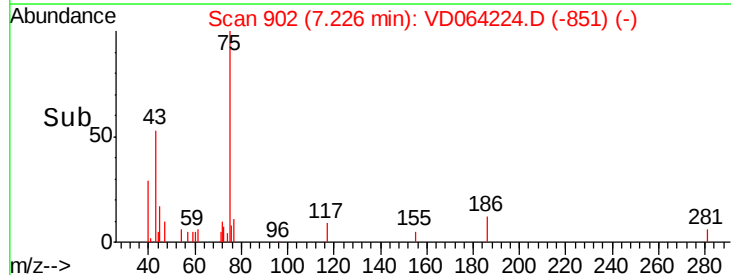
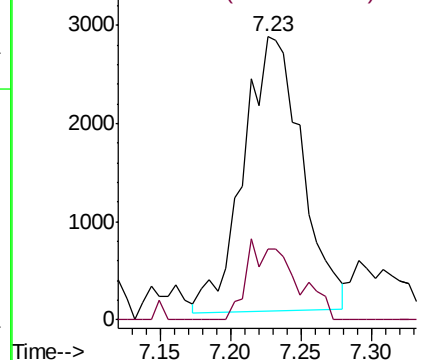
43 100

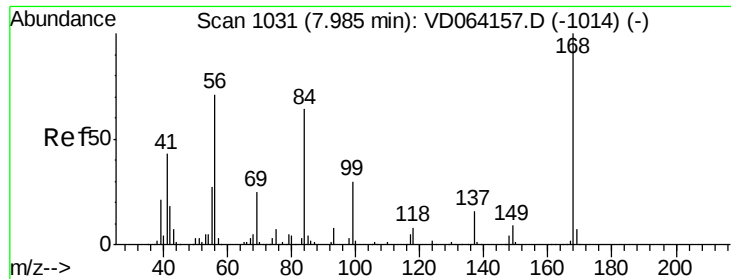
72 26.7 20.6 30.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

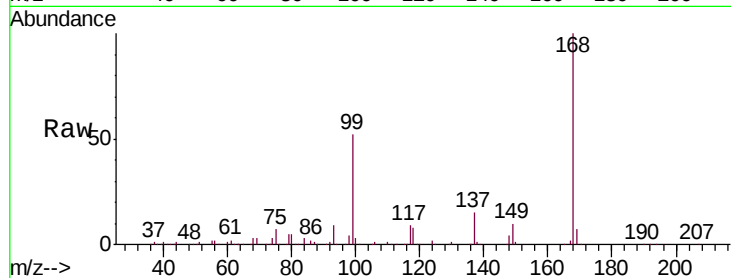




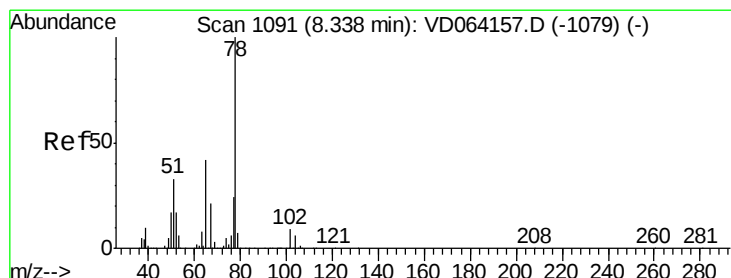
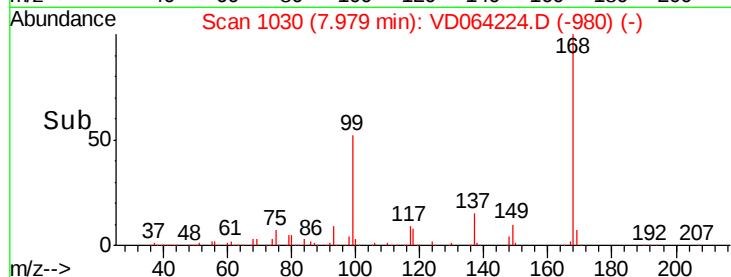
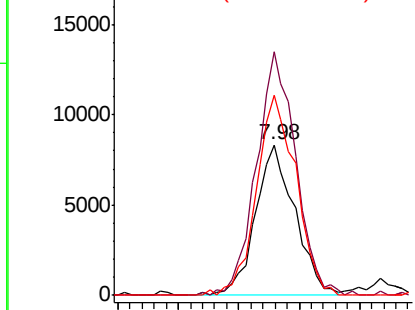
#31
Cyclohexane
Concen: 1.250 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064224.D
Acq: 15 Nov 2019 13:40

Instrument :
MSVOA_D
ClientSampleId :
HR-05-111419

Tgt Ion: 56 Resp: 18883
Ion Ratio Lower Upper
56 100
69 161.9 28.2 42.4#
84 133.2 71.8 107.6#

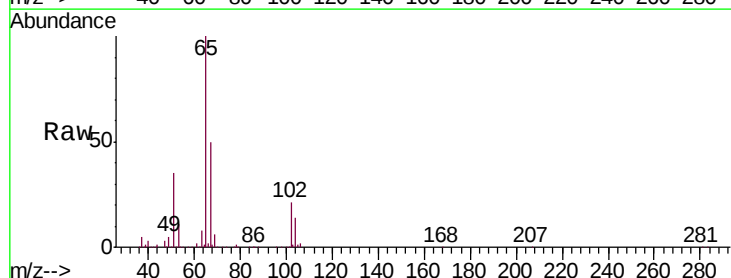


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

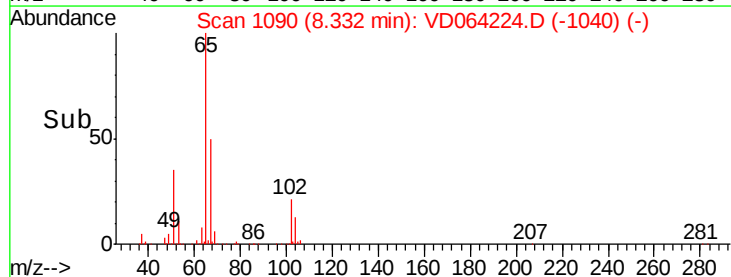
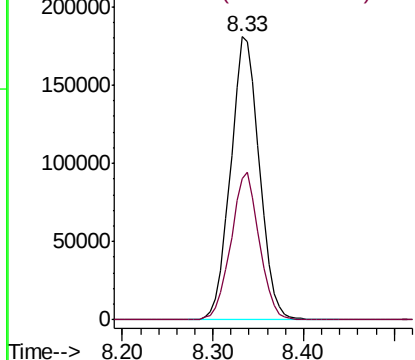


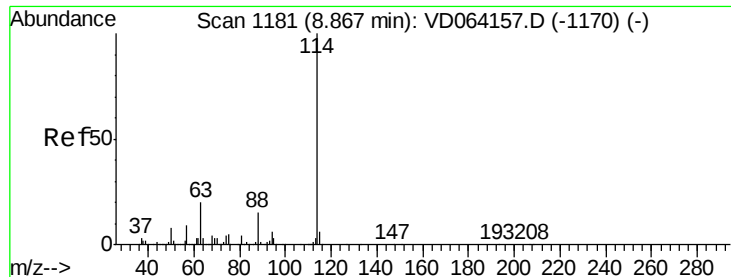
#33
1,2-Dichloroethane-d4
Concen: 51.926 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD064224.D
Acq: 15 Nov 2019 13:40

Tgt Ion: 65 Resp: 399581
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.4



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

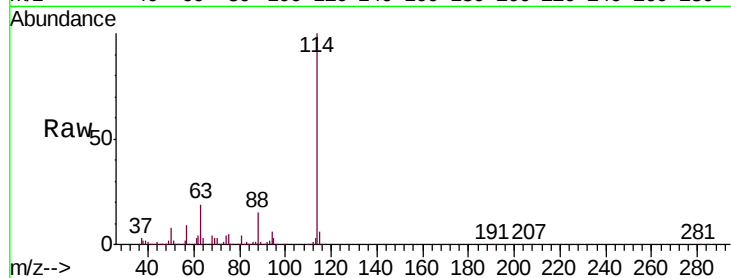




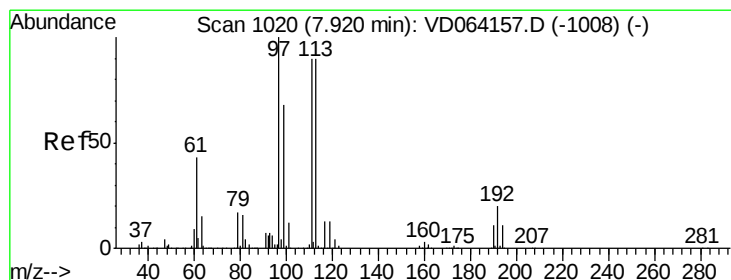
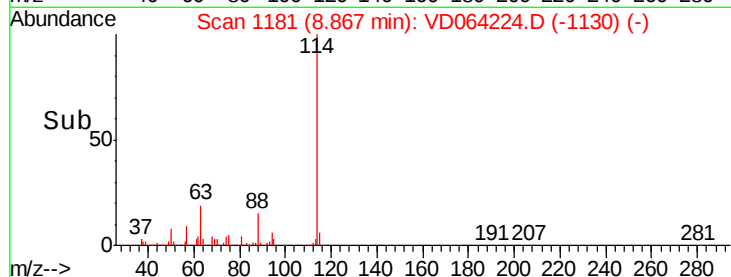
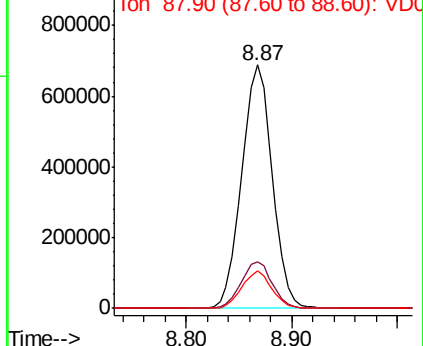
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064224.D
 Acq: 15 Nov 2019 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-05-111419

Tgt Ion:114 Resp: 1387794
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 40.0
 88 15.4 0.0 30.2

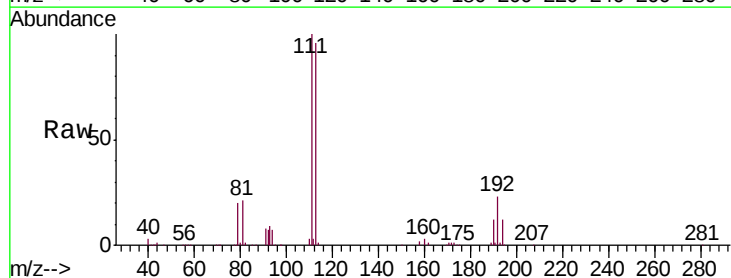


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

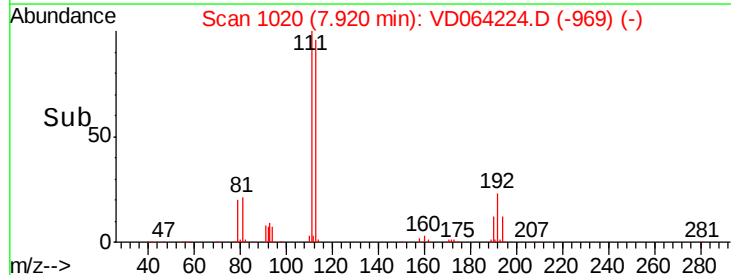
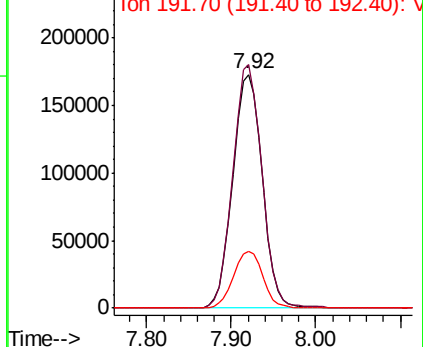


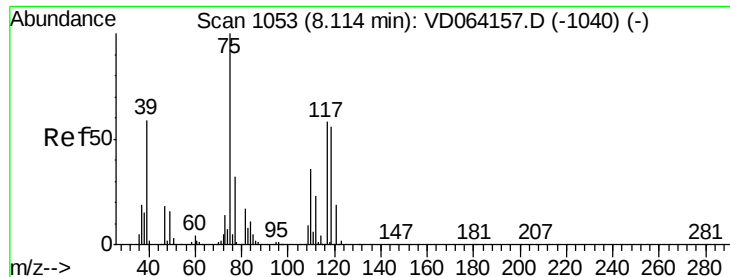
#35
 Dibromofluoromethane
 Concen: 52.431 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064224.D
 Acq: 15 Nov 2019 13:40

Tgt Ion:113 Resp: 417674
 Ion Ratio Lower Upper
 113 100
 111 102.4 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





#36

1,1-Dichloropropene

Concen: 4.890 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD064224.D

Acq: 15 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

HR-05-111419

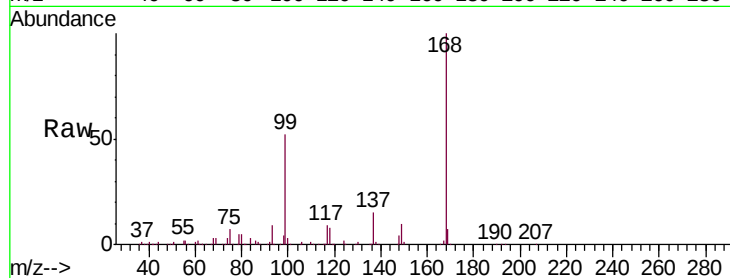
Tgt Ion: 75 Resp: 62638

Ion Ratio Lower Upper

75 100

110 10.2 18.3 54.9#

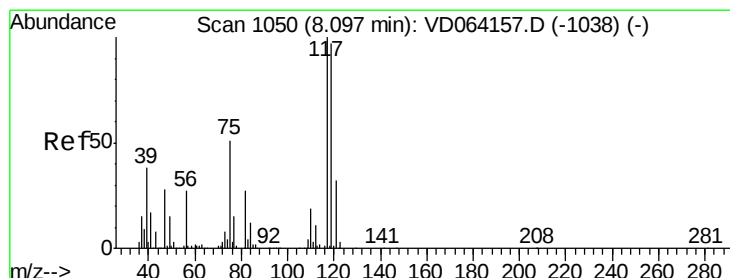
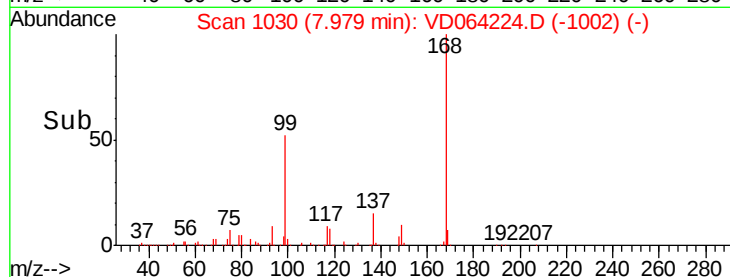
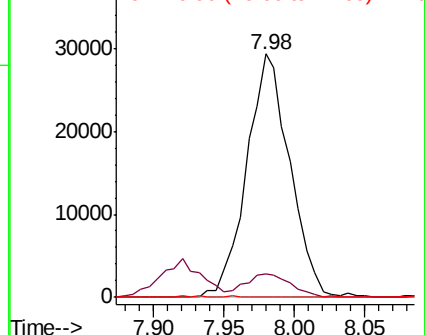
77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V



#38

Carbon Tetrachloride

Concen: 6.187 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064224.D

Acq: 15 Nov 2019 13:40

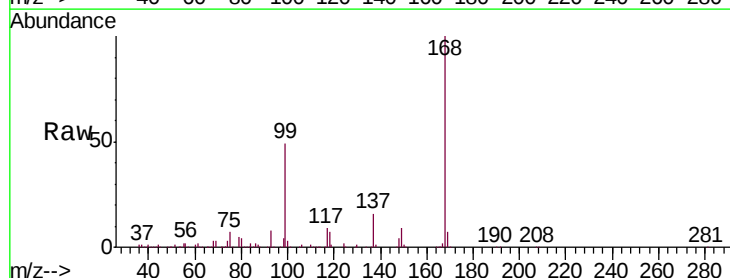
Tgt Ion: 117 Resp: 84797

Ion Ratio Lower Upper

117 100

119 6.1 77.2 115.8#

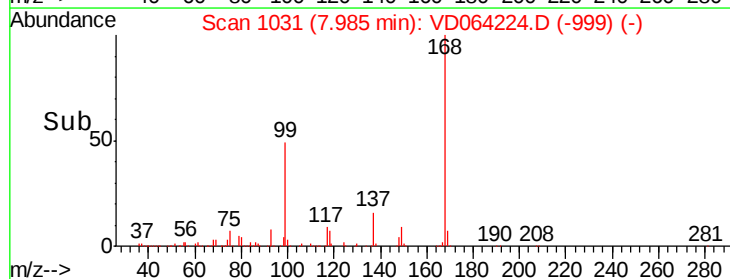
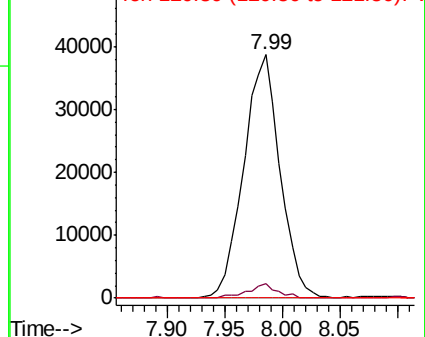
121 0.0 25.5 38.3#

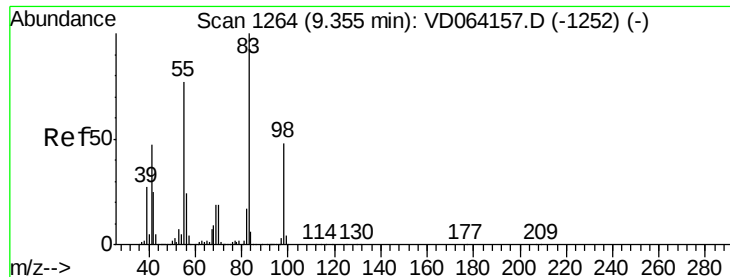


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

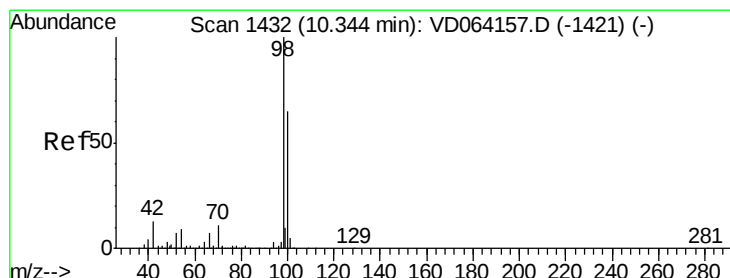
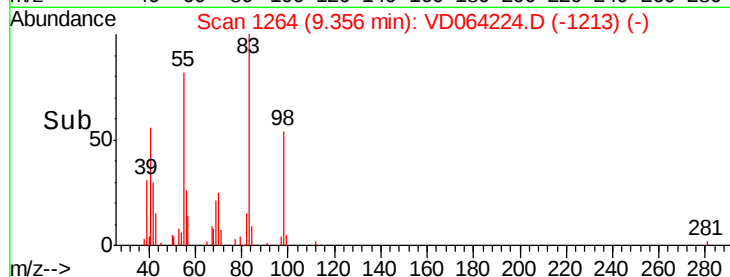
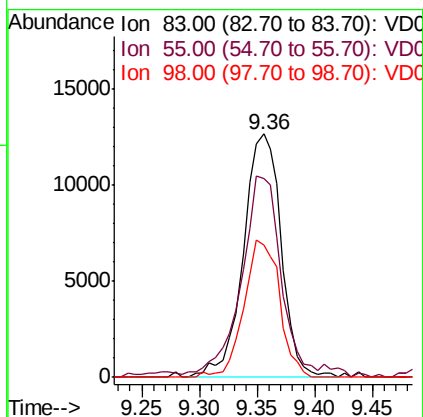
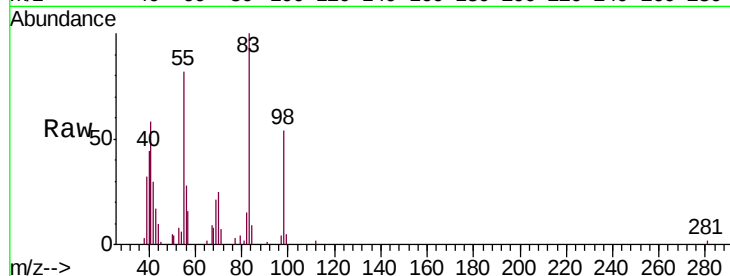




#39
Methylcyclohexane
Concen: 1.787 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064224.D
Acq: 15 Nov 2019 13:40

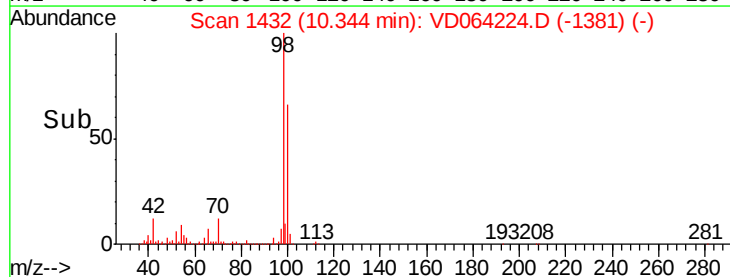
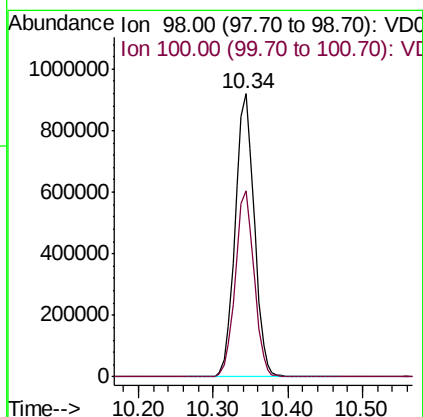
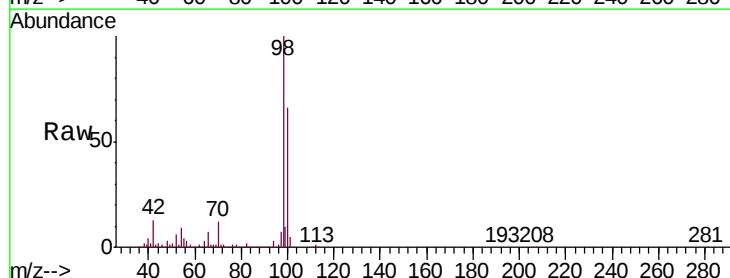
Instrument :
MSVOA_D
ClientSampleId :
HR-05-111419

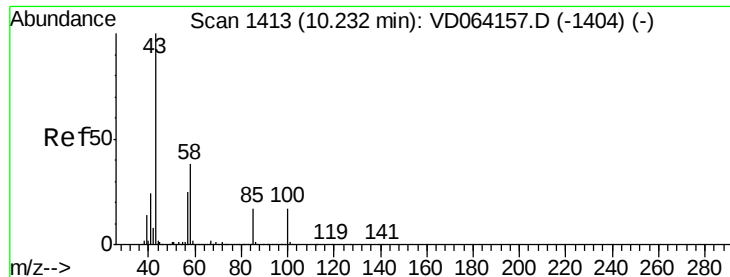
Tgt Ion: 83 Resp: 28964
Ion Ratio Lower Upper
83 100
55 79.5 61.7 92.5
98 54.4 38.6 58.0



#50
Toluene-d8
Concen: 54.630 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064224.D
Acq: 15 Nov 2019 13:40

Tgt Ion: 98 Resp: 1641722
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8

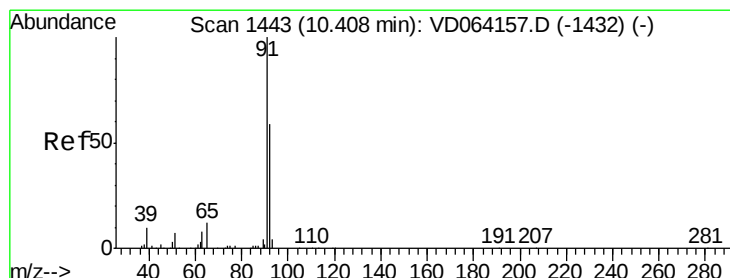
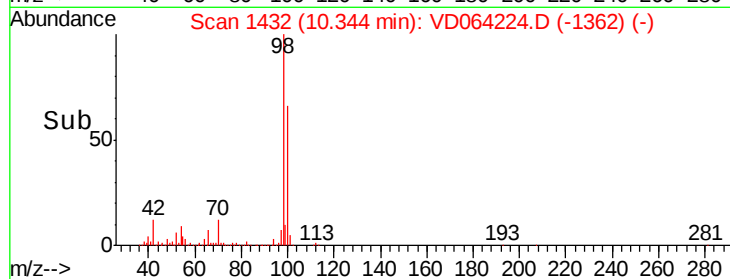
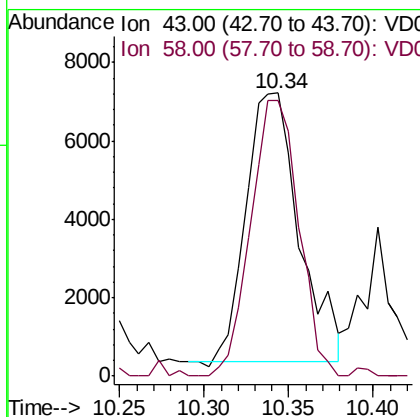
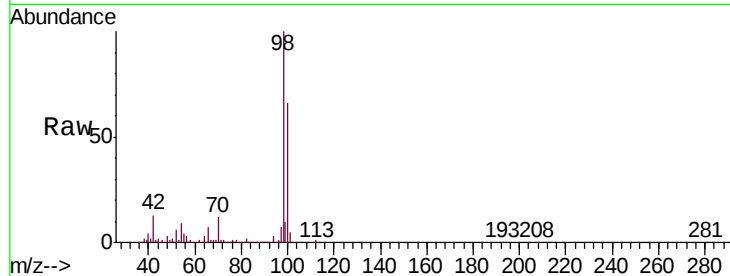




#51
 4-Methyl-2-Pentanone
 Concen: 2.809 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.11 min
 Lab File: VD064224.D
 Acq: 15 Nov 2019 13:40

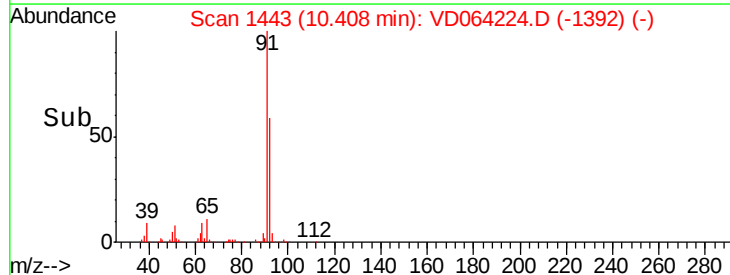
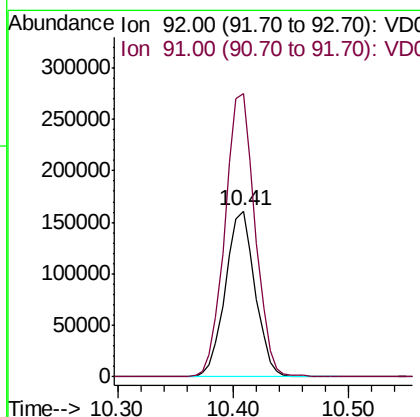
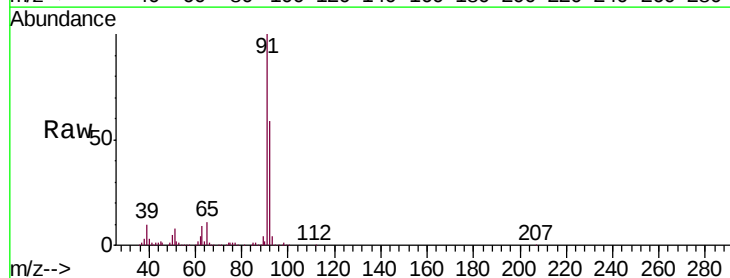
Instrument :
 MSVOA_D
 ClientSampleId :
 HR-05-111419

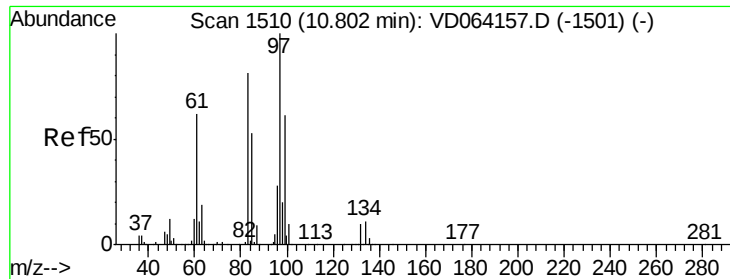
Tgt Ion: 43 Resp: 14987
 Ion Ratio Lower Upper
 43 100
 58 92.1 30.2 45.4#



#52
 Toluene
 Concen: 12.476 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD064224.D
 Acq: 15 Nov 2019 13:40

Tgt Ion: 92 Resp: 287160
 Ion Ratio Lower Upper
 92 100
 91 172.4 136.4 204.6

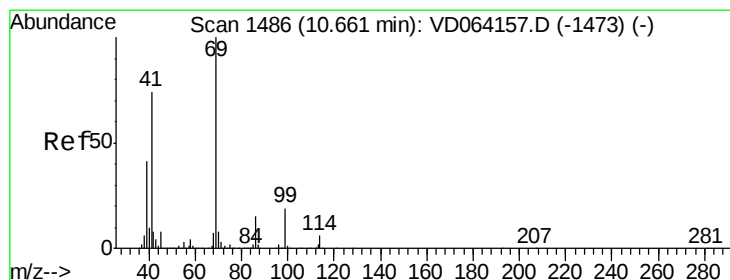
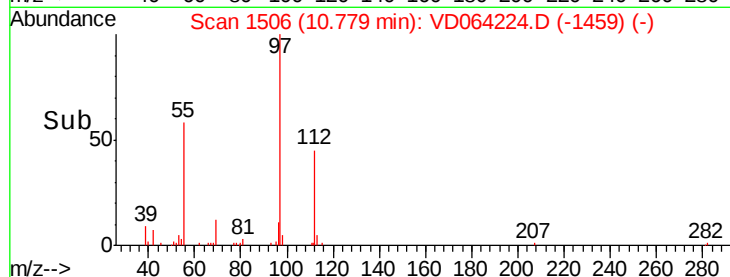
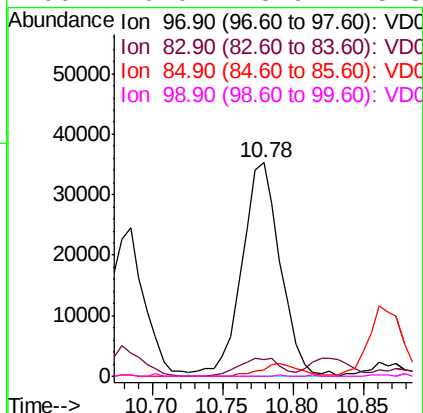
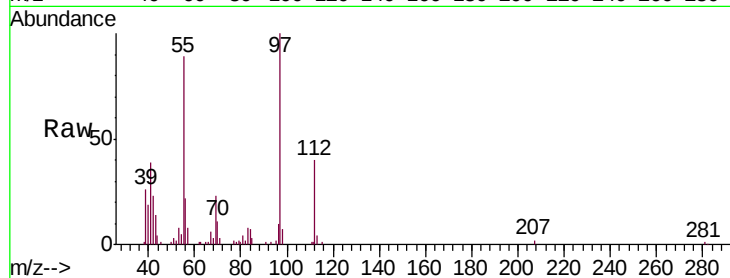




#55
 1,1,2-Trichloroethane
 Concen: 10.850 ug/l
 RT: 10.78 min Scan# 1506
 Delta R.T. -0.02 min
 Lab File: VD064224.D
 Acq: 15 Nov 2019 13:40

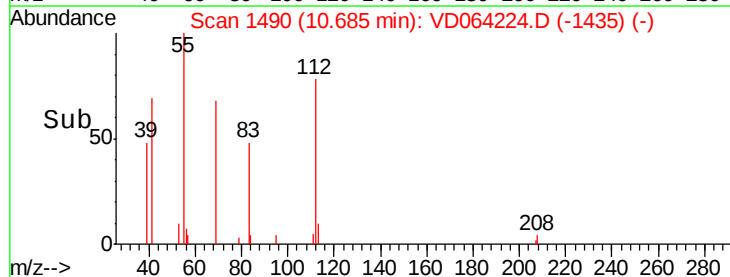
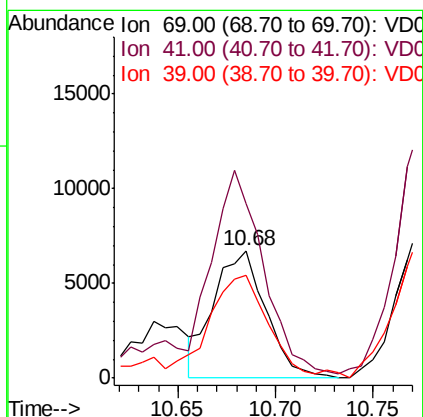
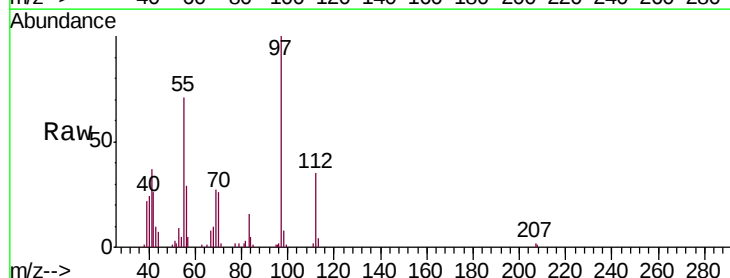
Instrument :
 MSVOA_D
 ClientSampleId :
 HR-05-111419

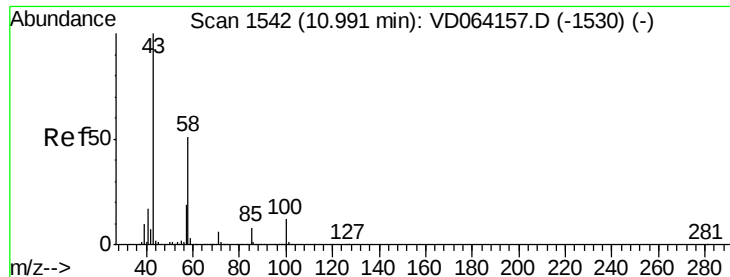
Tgt Ion:	97	Resp:	67136
Ion	Ratio	Lower	Upper
97	100		
83	7.8	65.1	97.7#
85	2.9	42.0	63.0#
99	0.0	48.9	73.3#



#56
 Ethyl methacrylate
 Concen: 1.441 ug/l
 RT: 10.68 min Scan# 1490
 Delta R.T. 0.02 min
 Lab File: VD064224.D
 Acq: 15 Nov 2019 13:40

Tgt Ion:	69	Resp:	12476
Ion	Ratio	Lower	Upper
69	100		
41	181.0	57.9	86.9#
39	93.9	29.0	43.4#

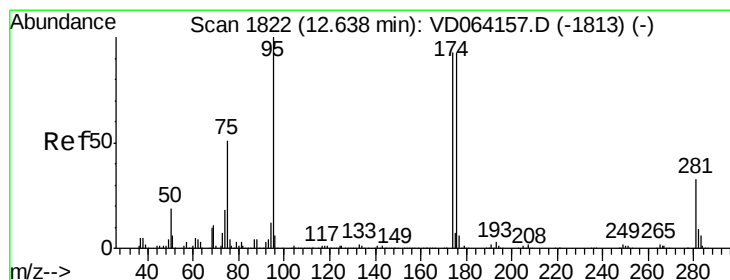
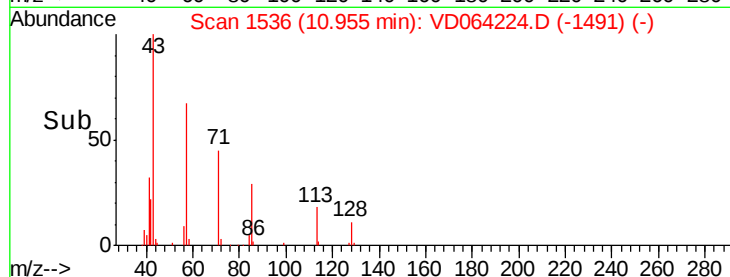
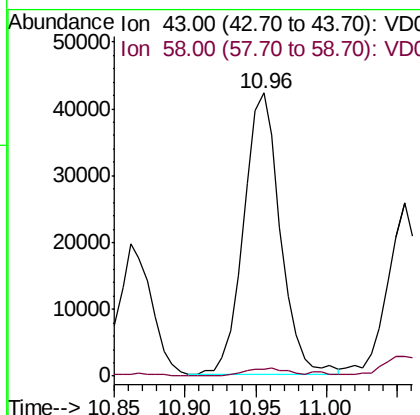
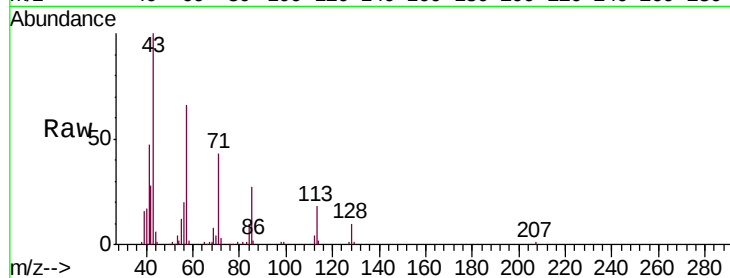




#59
2-Hexanone
Concen: 20.094 ug/l
RT: 10.96 min Scan# 1536
Delta R.T. -0.04 min
Lab File: VD064224.D
Acq: 15 Nov 2019 13:40

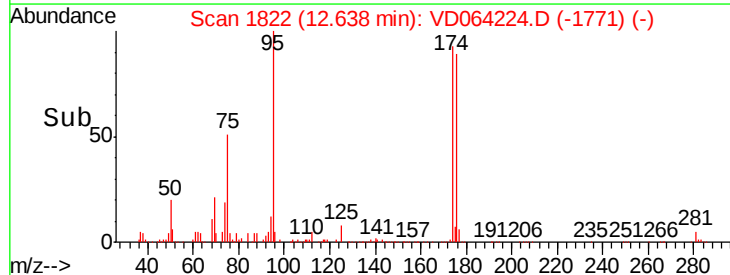
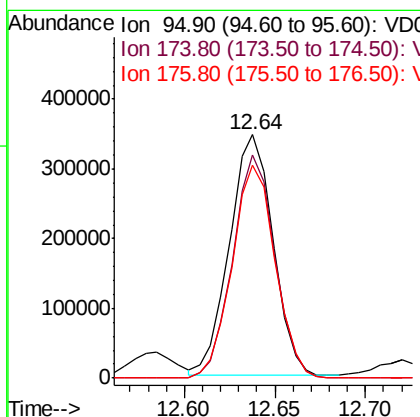
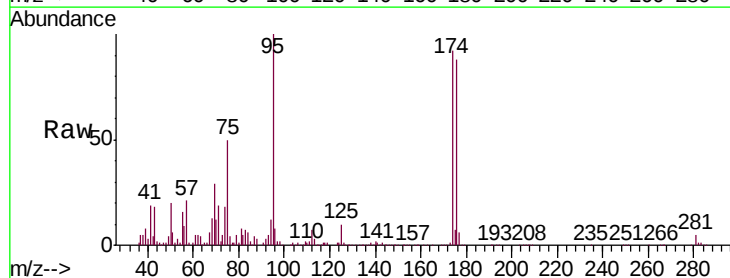
Instrument :
MSVOA_D
ClientSampleId :
HR-05-111419

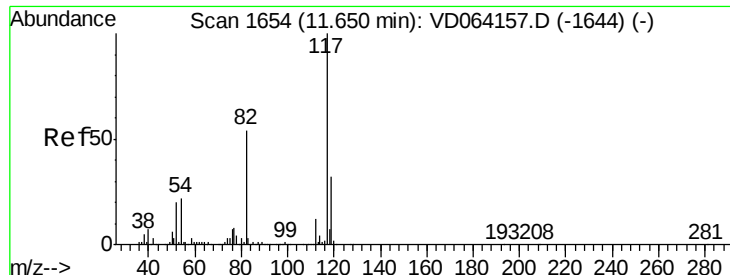
Tgt Ion: 43 Resp: 76269
Ion Ratio Lower Upper
43 100
58 3.4 25.9 77.7#



#62
4-Bromofluorobenzene
Concen: 55.347 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064224.D
Acq: 15 Nov 2019 13:40

Tgt Ion: 95 Resp: 576006
Ion Ratio Lower Upper
95 100
174 89.9 0.0 183.6
176 87.6 0.0 180.2

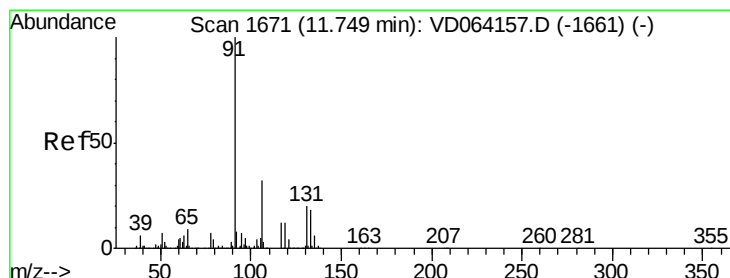
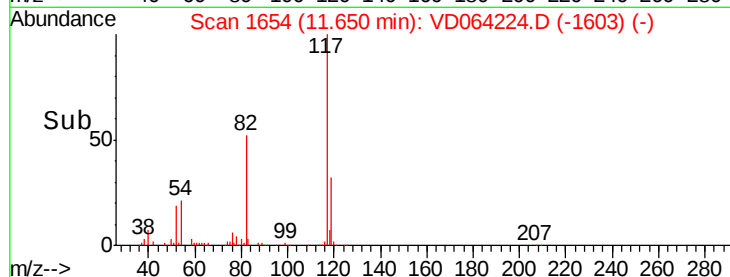
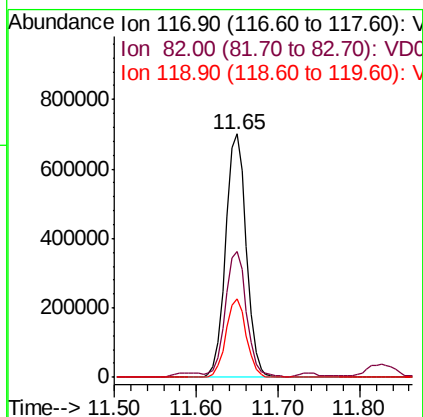
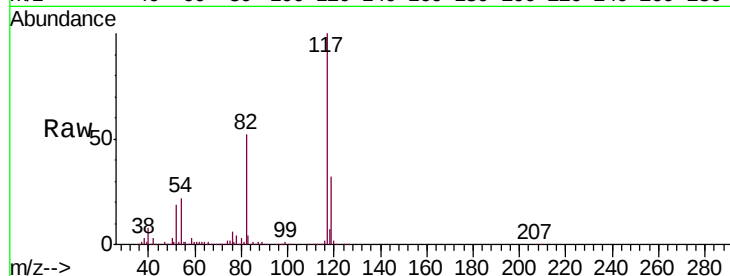




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064224.D
Acq: 15 Nov 2019 13:40

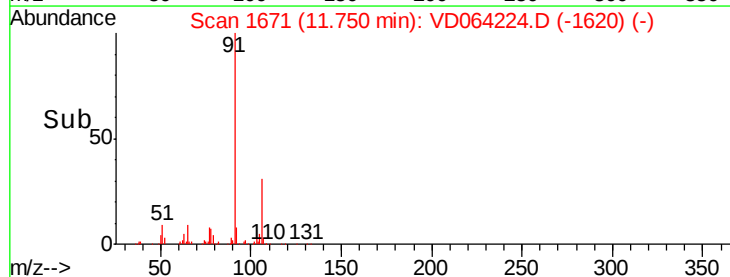
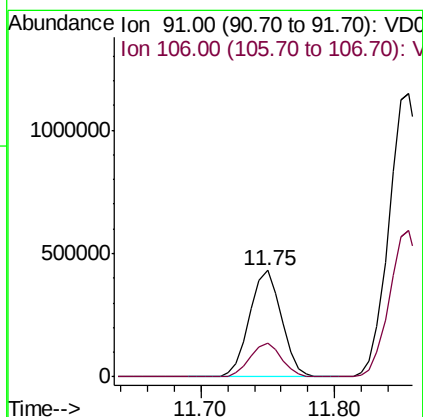
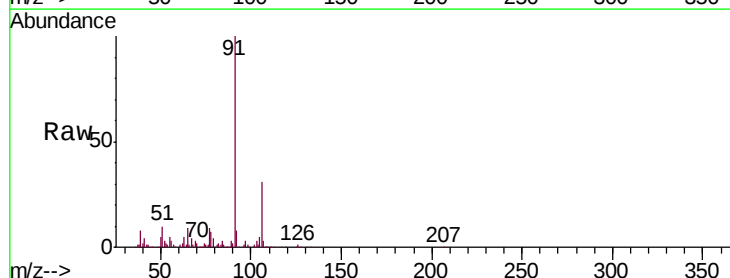
Instrument :
MSVOA_D
ClientSampleId :
HR-05-111419

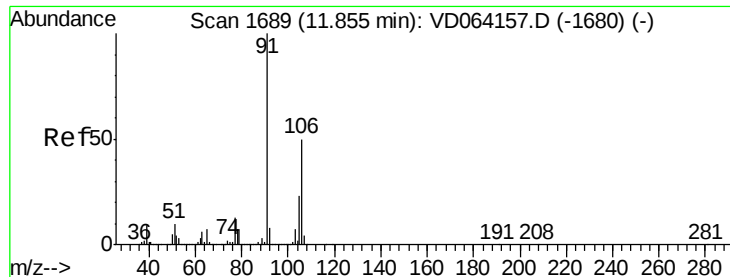
Tgt Ion: 117 Resp: 1228786
Ion Ratio Lower Upper
117 100
82 51.2 42.8 64.2
119 32.0 25.6 38.4



#67
Ethyl Benzene
Concen: 15.787 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064224.D
Acq: 15 Nov 2019 13:40

Tgt Ion: 91 Resp: 713531
Ion Ratio Lower Upper
91 100
106 31.4 25.5 38.3





#68

m/p-Xylenes

Concen: 62.255 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064224.D

Acq: 15 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

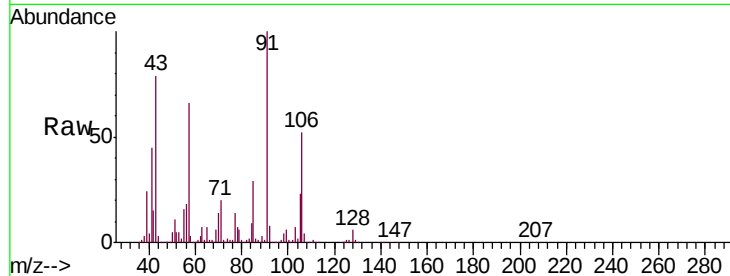
HR-05-111419

Tgt Ion:106 Resp: 1078528

Ion Ratio Lower Upper

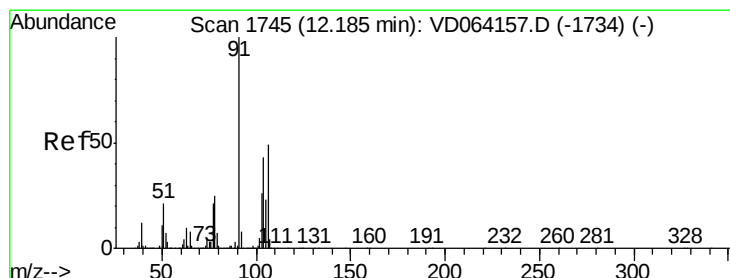
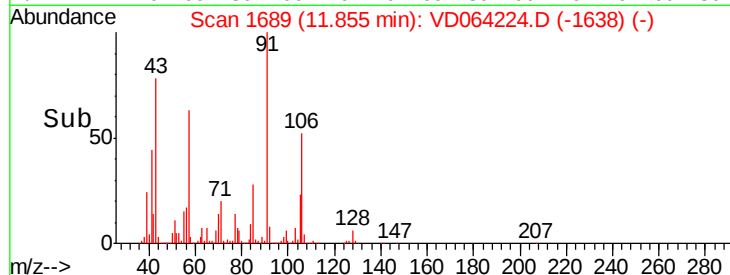
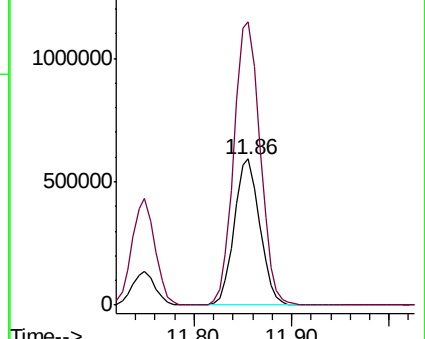
106 100

91 199.5 160.3 240.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V



#69

o-Xylene

Concen: 45.772 ug/l

RT: 12.18 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VD064224.D

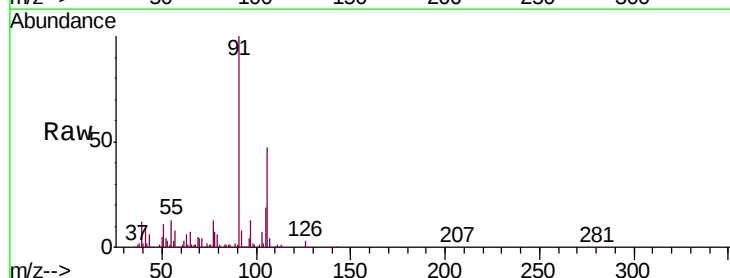
Acq: 15 Nov 2019 13:40

Tgt Ion:106 Resp: 735442

Ion Ratio Lower Upper

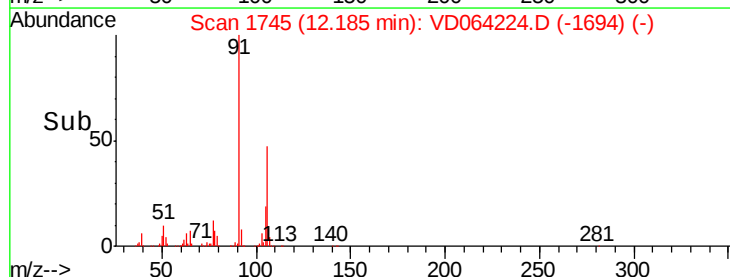
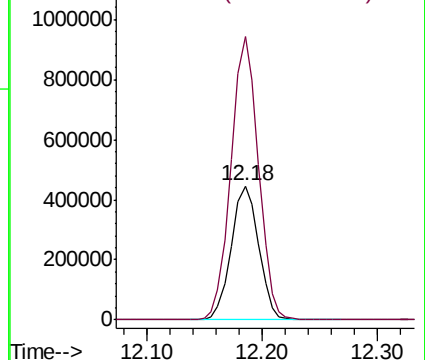
106 100

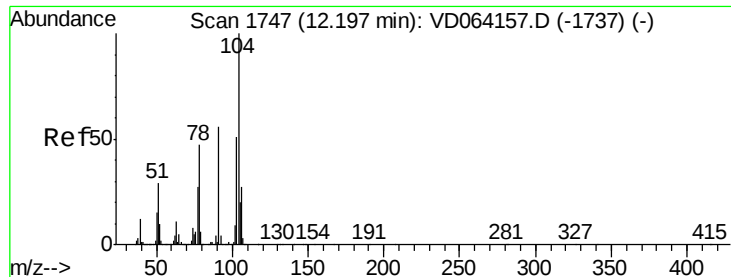
91 211.0 105.1 315.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V





#70

Styrene

Concen: 1.339 ug/l

RT: 12.18 min Scan# 1745

Delta R.T. -0.01 min

Lab File: VD064224.D

Acq: 15 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

HR-05-111419

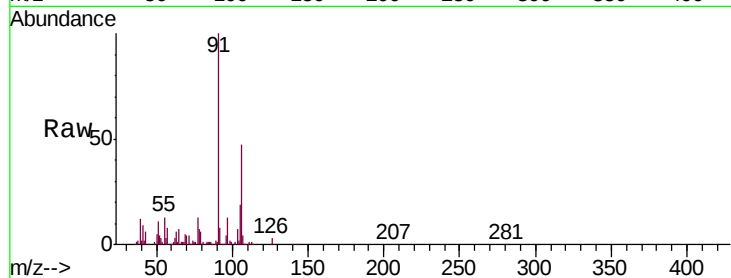
Tgt Ion:104 Resp: 37564

Ion Ratio Lower Upper

104 100

78 312.7 39.9 59.9#

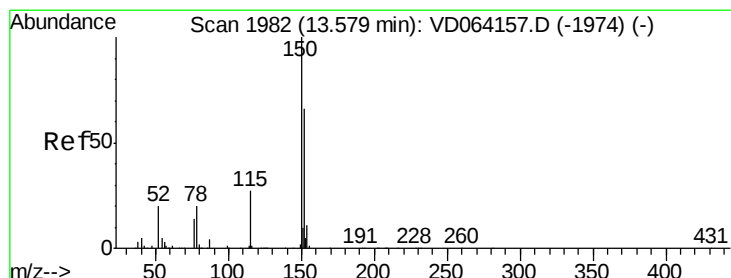
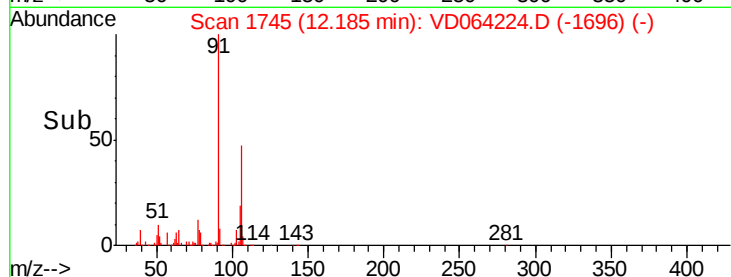
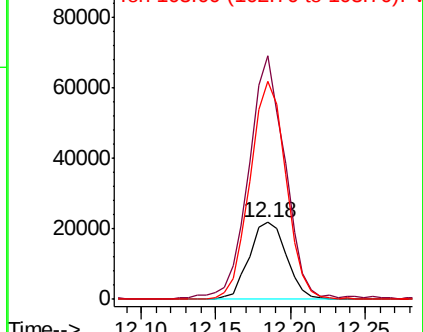
103 273.4 43.4 65.0#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): 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: VD064224.D

Acq: 15 Nov 2019 13:40

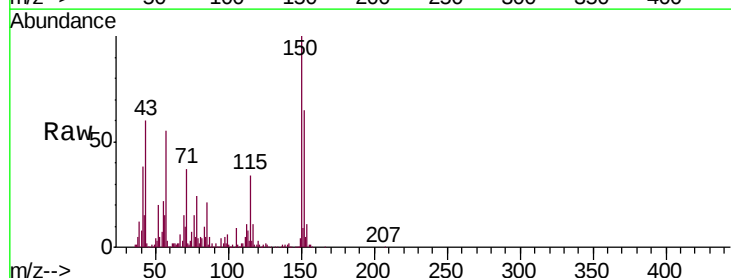
Tgt Ion:152 Resp: 614528

Ion Ratio Lower Upper

152 100

115 70.1 27.4 82.2

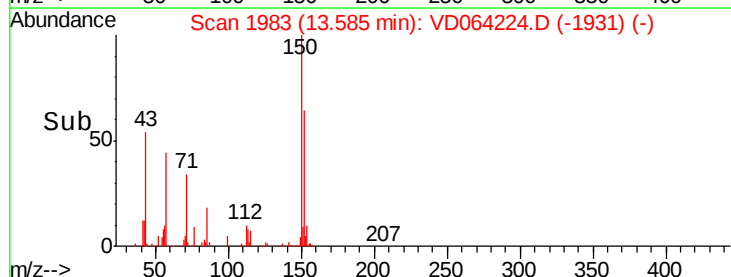
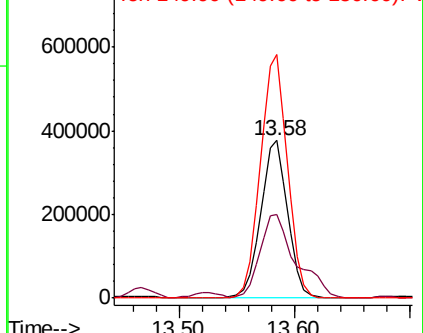
150 155.0 0.0 351.6

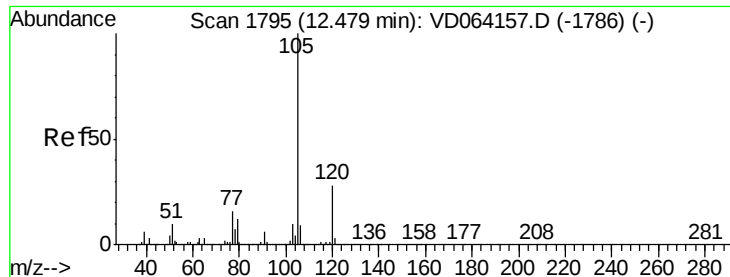


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.762 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064224.D

Acq: 15 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

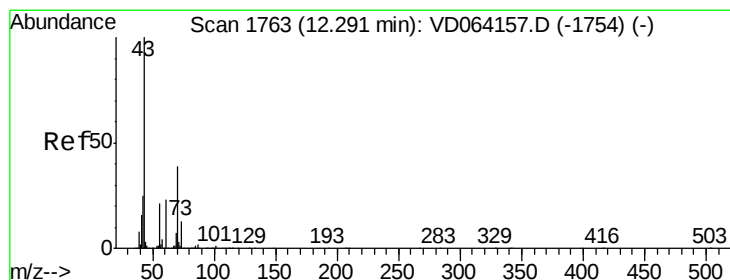
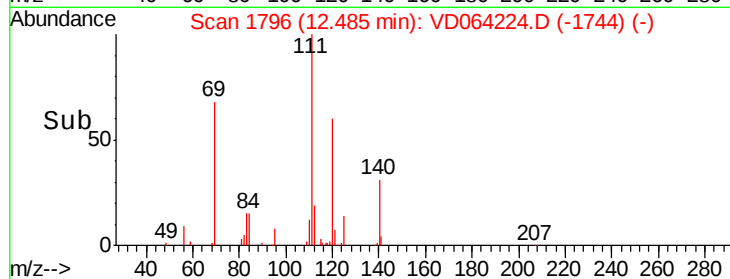
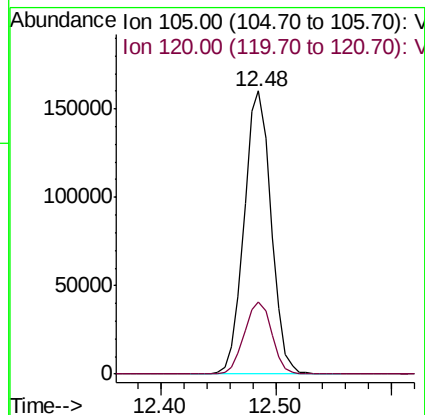
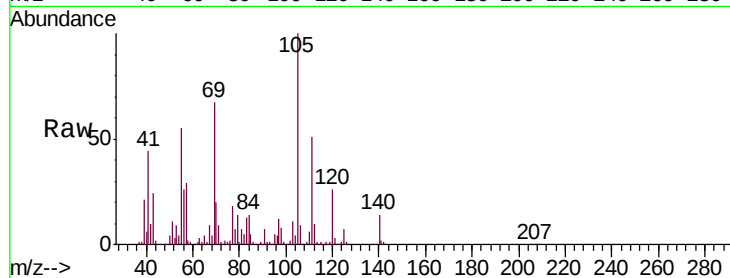
HR-05-111419

Tgt Ion:105 Resp: 259883

Ion Ratio Lower Upper

105 100

120 26.0 13.6 40.8



#74

N-ethyl acetate

Concen: 35.645 ug/l

RT: 12.27 min Scan# 1760

Delta R.T. -0.02 min

Lab File: VD064224.D

Acq: 15 Nov 2019 13:40

Tgt Ion: 43 Resp: 379675

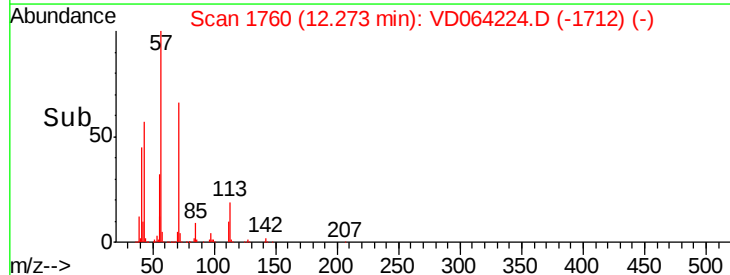
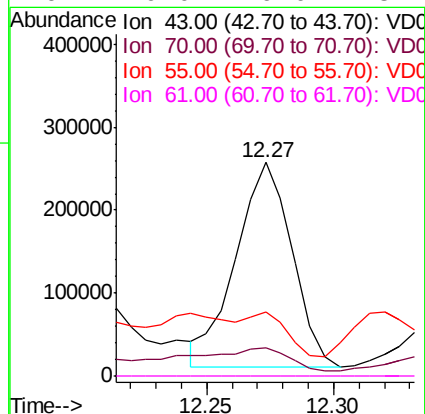
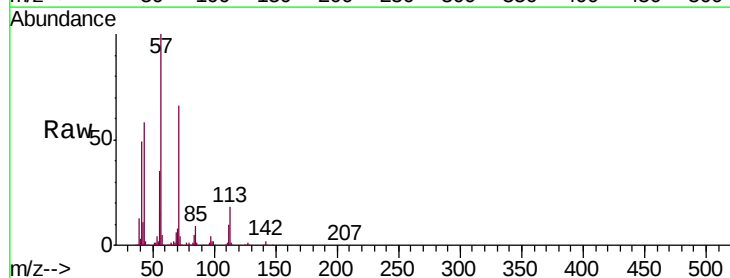
Ion Ratio Lower Upper

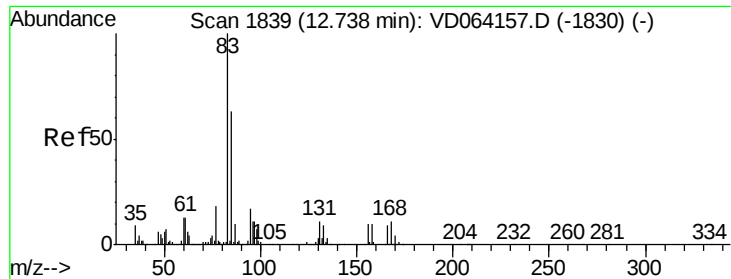
43 100

70 19.1 32.4 48.6#

55 0.0 17.9 26.9#

61 0.0 19.0 28.4#





#75

1,1,2,2-Tetrachloroethane

Concen: 1.712 ug/l

RT: 12.67 min Scan# 1828

Delta R.T. -0.06 min

Lab File: VD064224.D

Acq: 15 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

HR-05-111419

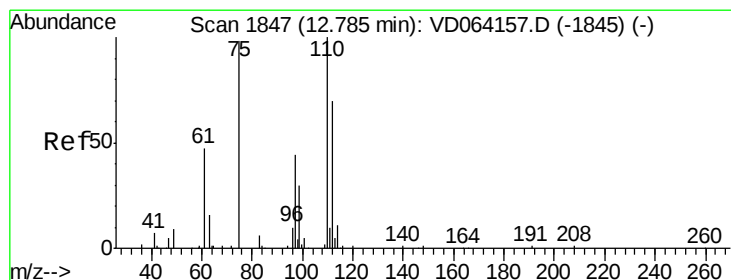
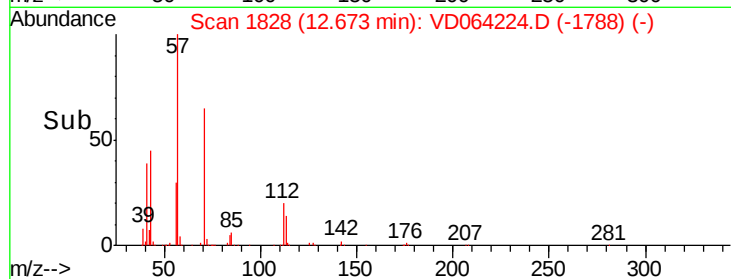
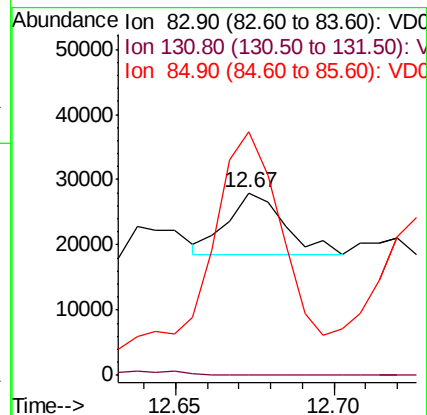
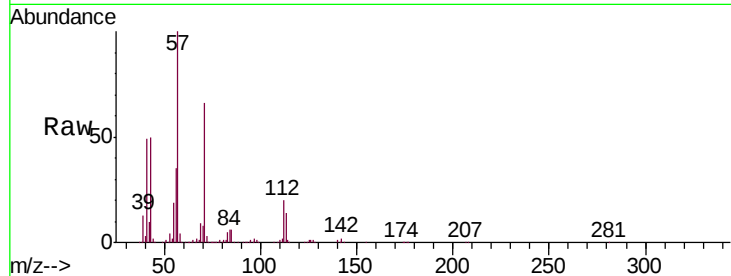
Tgt Ion: 83 Resp: 11635

Ion Ratio Lower Upper

83 100

131 0.0 5.9 17.7#

85 421.6 32.5 97.5#



#76

1,2,3-Trichloropropane

Concen: 1.964 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.04 min

Lab File: VD064224.D

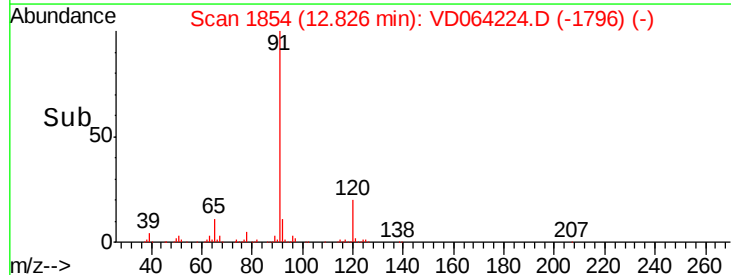
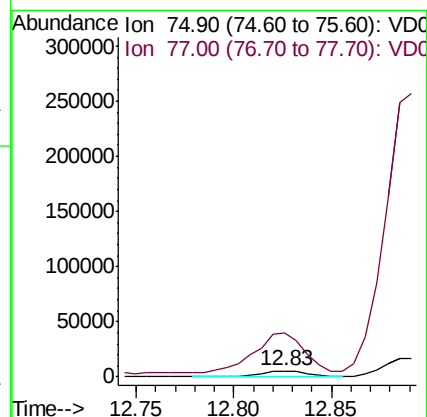
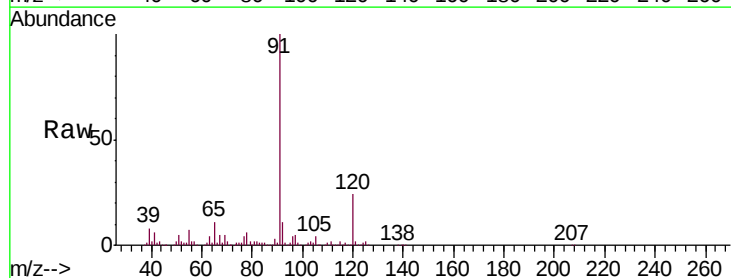
Acq: 15 Nov 2019 13:40

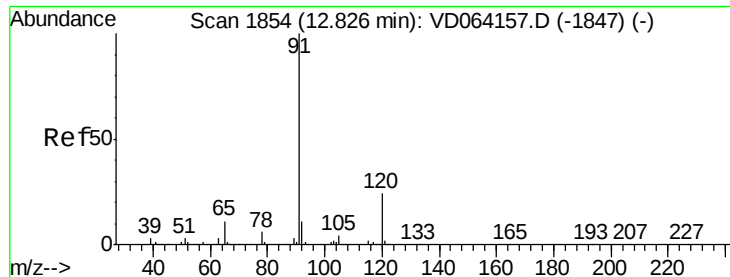
Tgt Ion: 75 Resp: 9721

Ion Ratio Lower Upper

75 100

77 647.0 0.0 0.0#





#78

n-propylbenzene

Concen: 27.043 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064224.D

Acq: 15 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

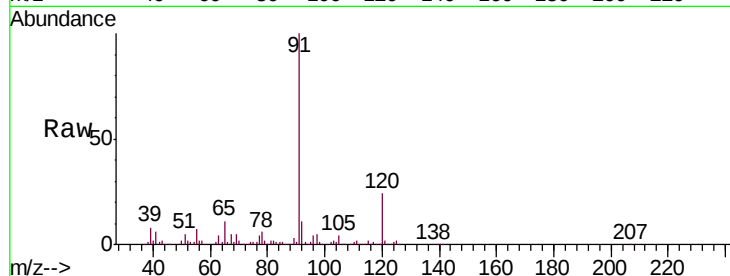
HR-05-111419

Tgt Ion: 91 Resp: 1393657

Ion Ratio Lower Upper

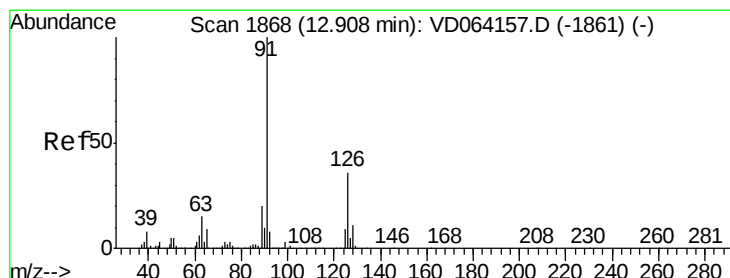
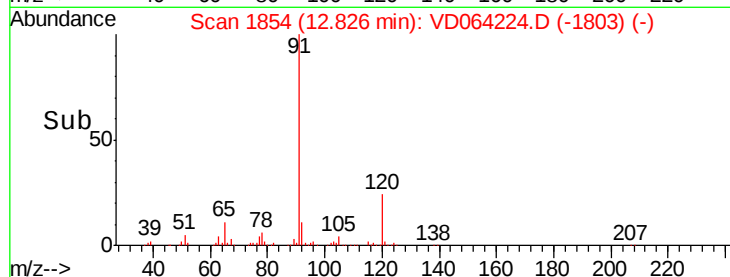
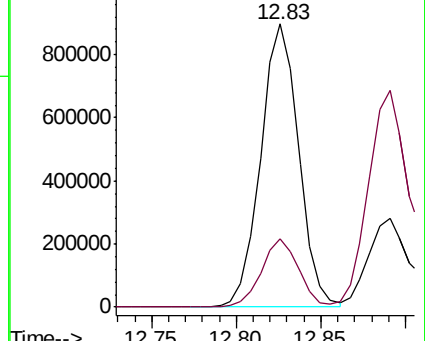
91 100

120 23.8 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 15.428 ug/l

RT: 12.89 min Scan# 1865

Delta R.T. -0.02 min

Lab File: VD064224.D

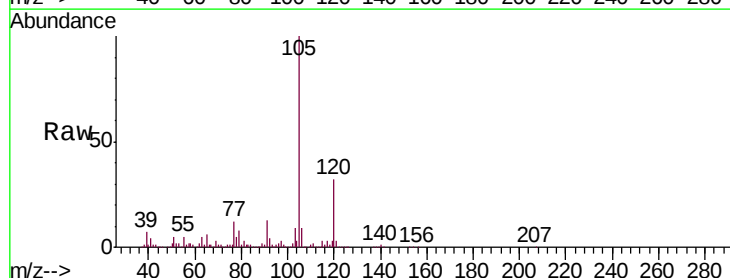
Acq: 15 Nov 2019 13:40

Tgt Ion: 91 Resp: 448888

Ion Ratio Lower Upper

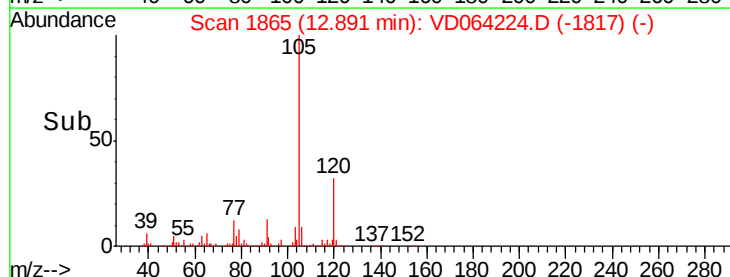
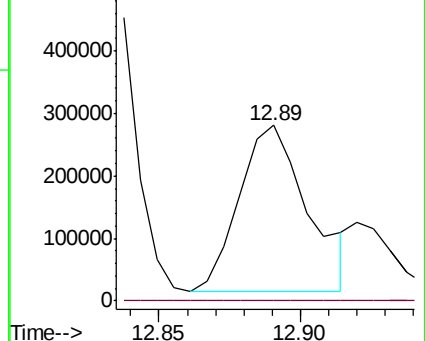
91 100

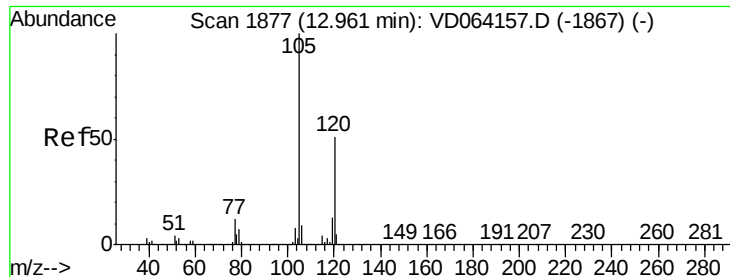
126 0.3 17.7 53.1#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

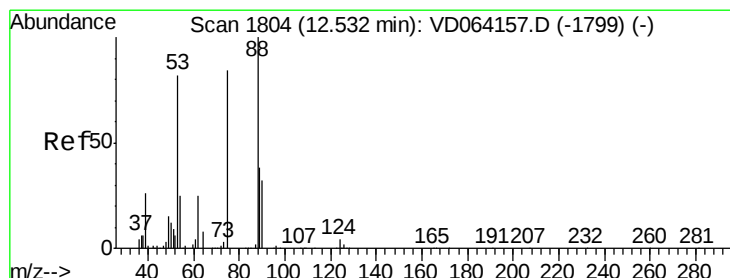
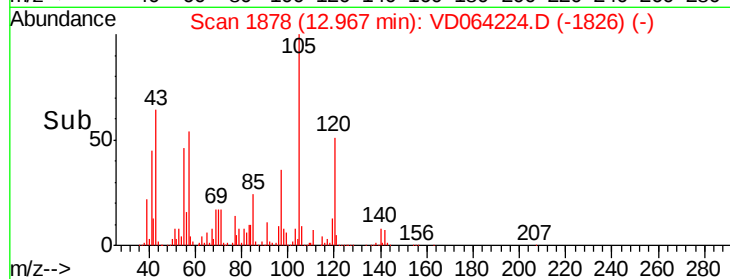
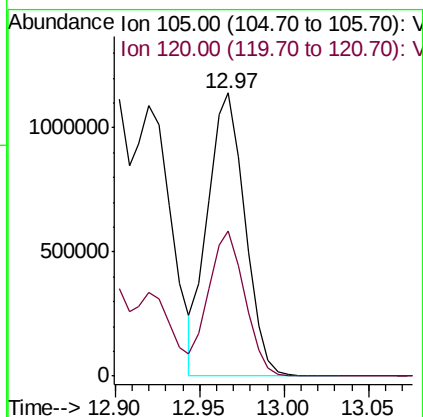
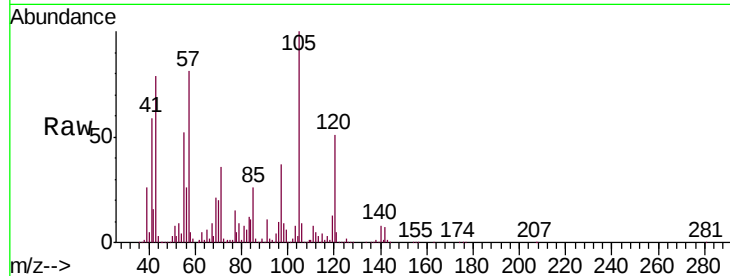




#80
 1,3,5-Trimethylbenzene
 Concen: 47.010 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.01 min
 Lab File: VD064224.D
 Acq: 15 Nov 2019 13:40

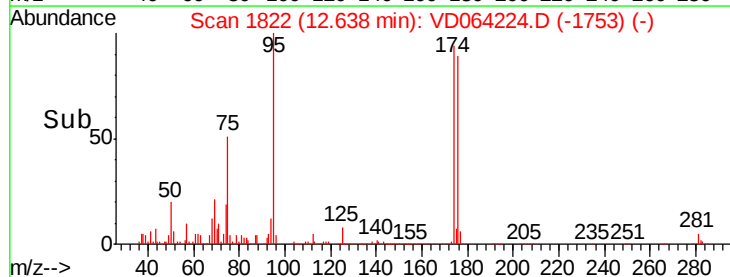
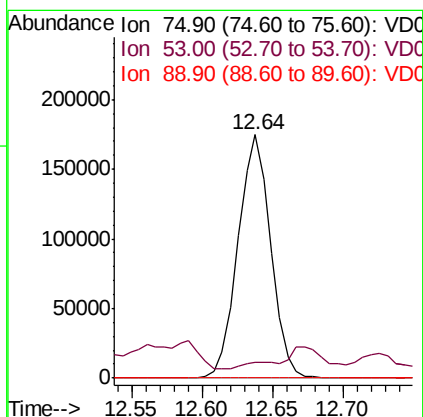
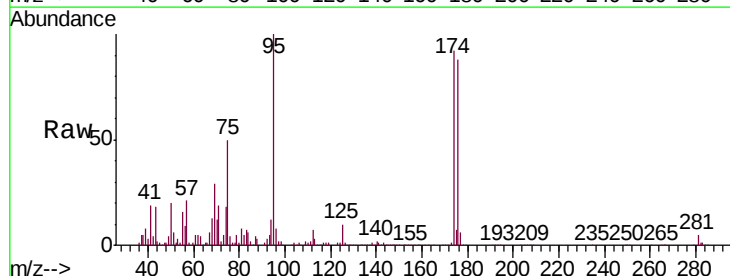
Instrument :
 MSVOA_D
 ClientSampleId :
 HR-05-111419

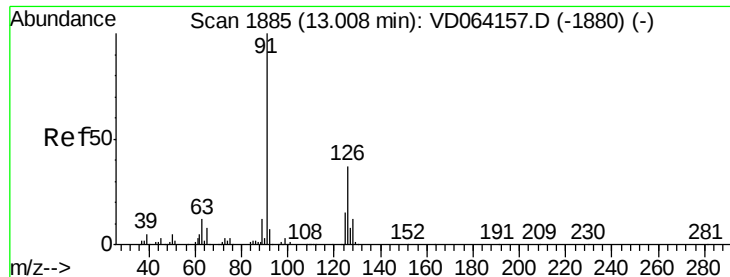
Tgt Ion: 105 Resp: 1742363
 Ion Ratio Lower Upper
 105 100
 120 50.3 25.4 76.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 113.526 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD064224.D
 Acq: 15 Nov 2019 13:40

Tgt Ion: 75 Resp: 282892
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.4 119.0#
 89 0.0 36.6 55.0#

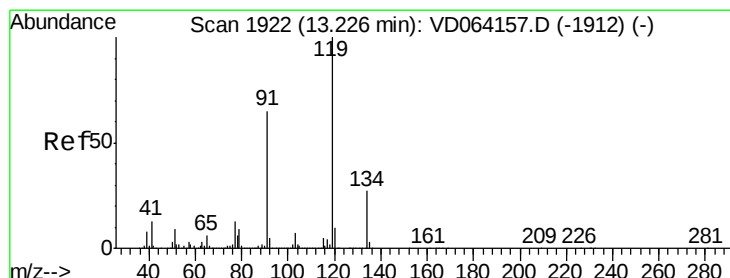
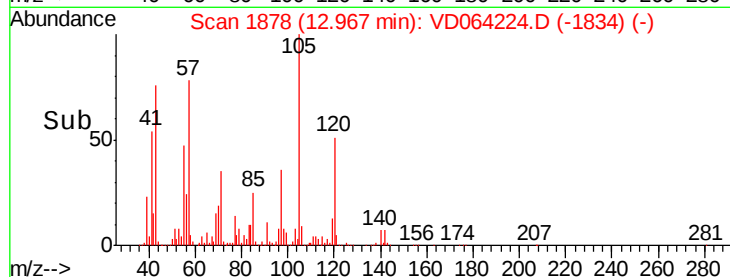
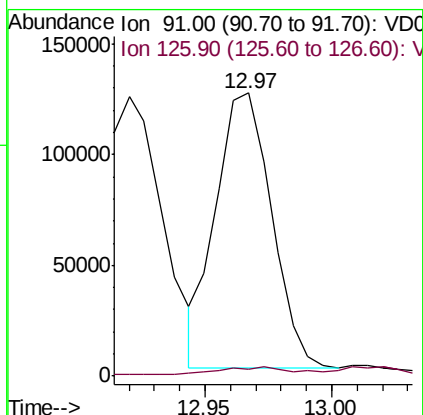
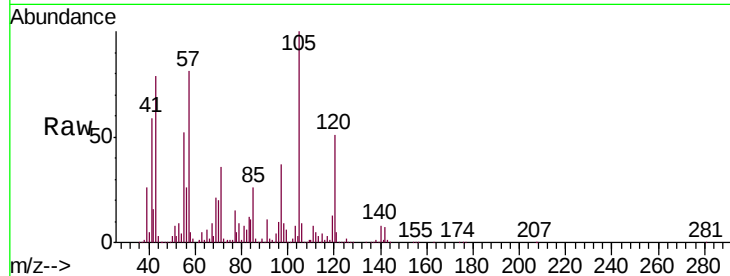




#82
4-Chlorotoluene
Concen: 6.267 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. -0.04 min
Lab File: VD064224.D
Acq: 15 Nov 2019 13:40

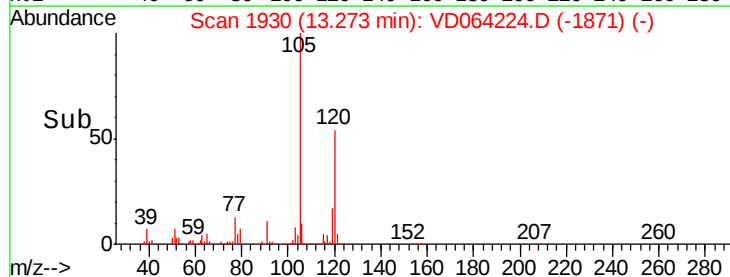
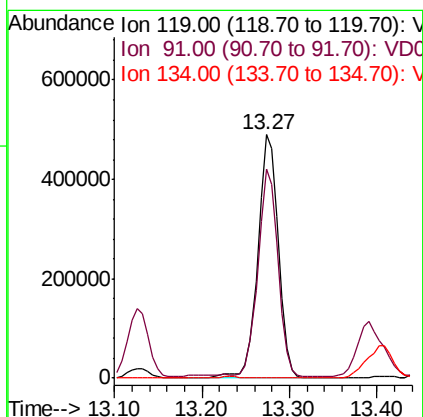
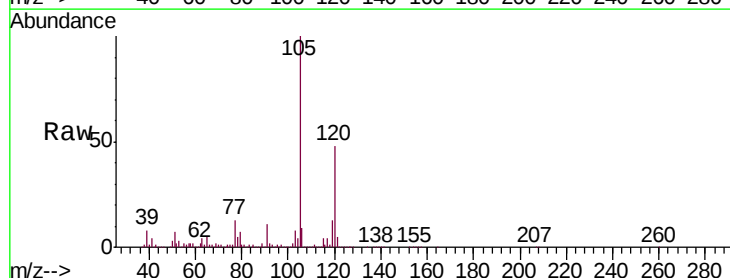
Instrument :
MSVOA_D
ClientSampleId :
HR-05-111419

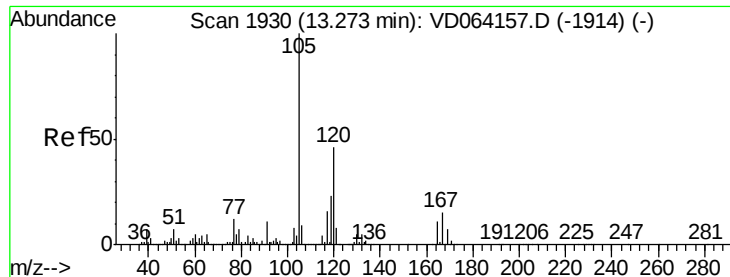
Tgt Ion: 91 Resp: 190186
Ion Ratio Lower Upper
91 100
126 4.0 17.8 53.4#



#83
tert-Butylbenzene
Concen: 24.077 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.05 min
Lab File: VD064224.D
Acq: 15 Nov 2019 13:40

Tgt Ion: 119 Resp: 786887
Ion Ratio Lower Upper
119 100
91 83.1 31.8 95.4
134 0.0 13.7 41.0#





#84

1,2,4-Trimethylbenzene

Concen: 165.996 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD064224.D

Acq: 15 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

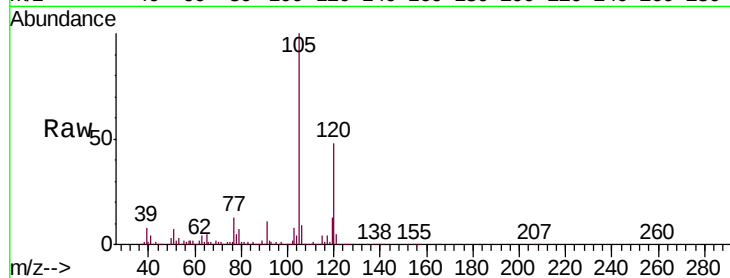
HR-05-111419

Tgt Ion:105 Resp: 6074050

Ion Ratio Lower Upper

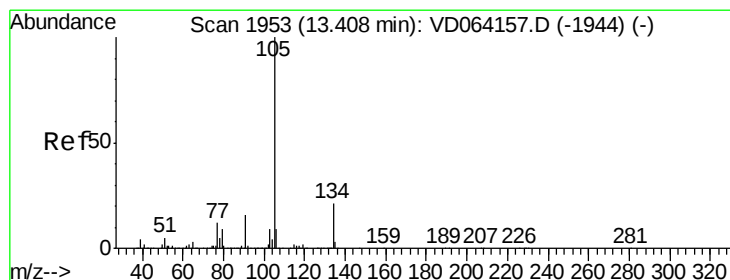
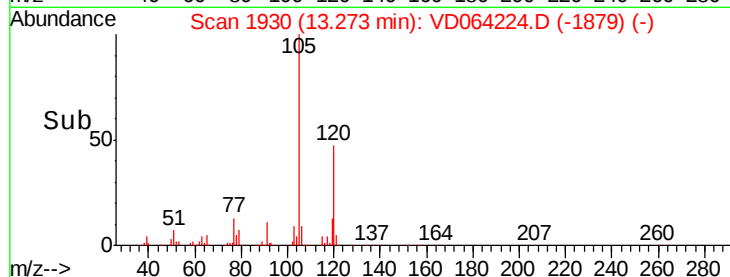
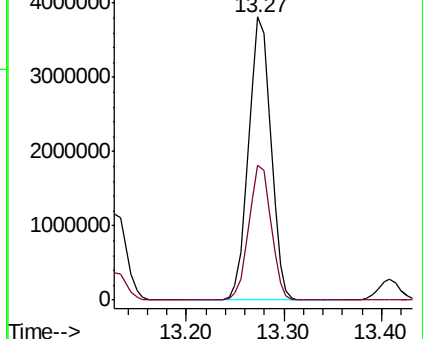
105 100

120 47.7 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 9.803 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064224.D

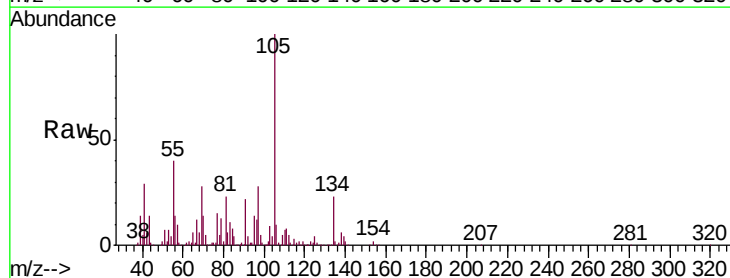
Acq: 15 Nov 2019 13:40

Tgt Ion:105 Resp: 430292

Ion Ratio Lower Upper

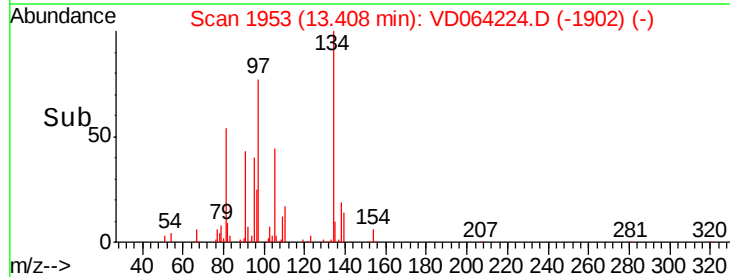
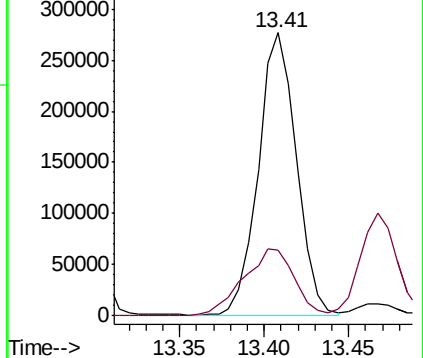
105 100

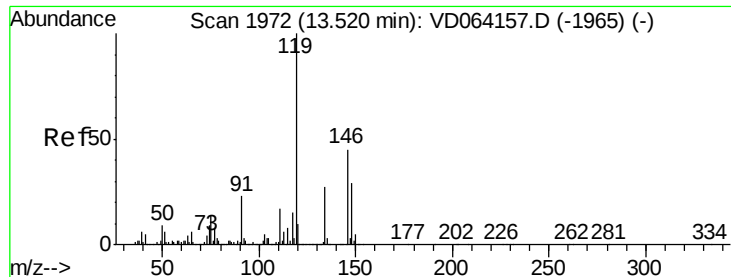
134 31.9 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

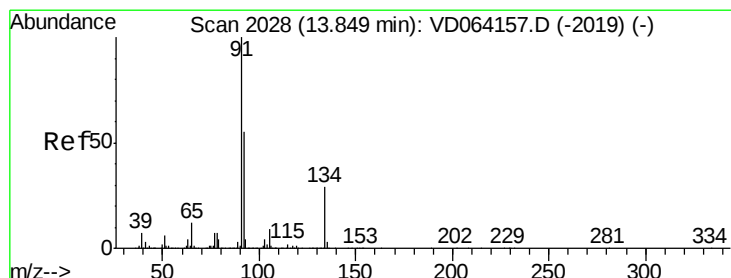
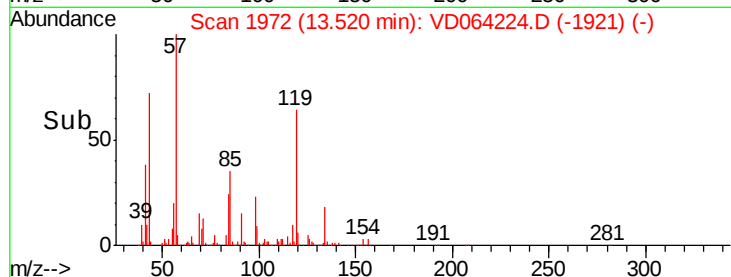
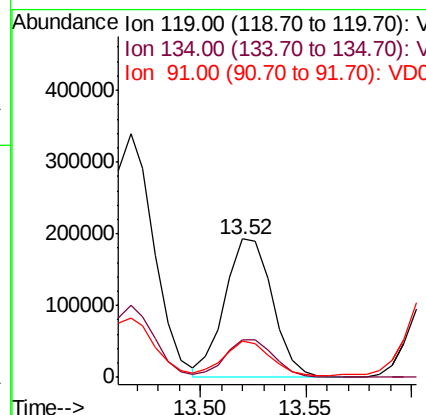
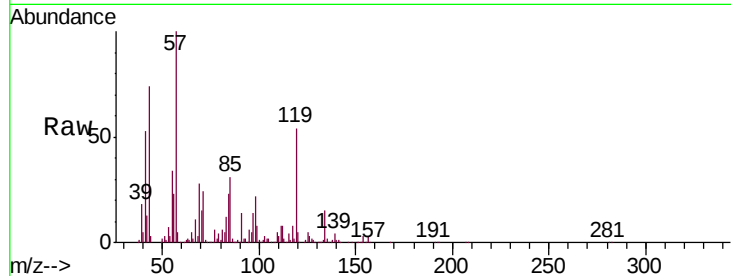




#86
p-Isopropyltoluene
Concen: 7.221 ug/l
RT: 13.52 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VD064224.D
Acq: 15 Nov 2019 13:40

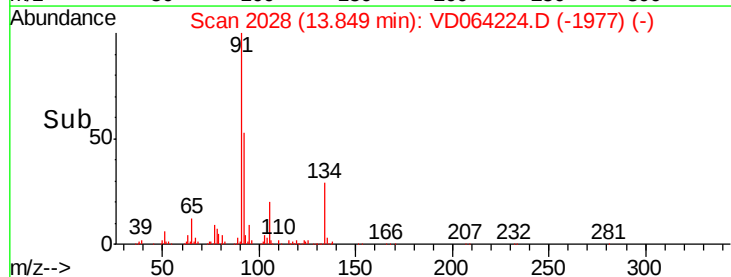
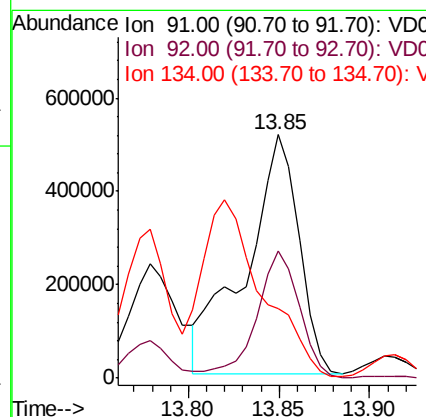
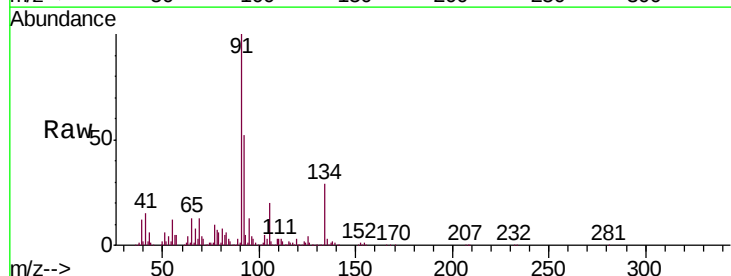
Instrument :
MSVOA_D
ClientSampleId :
HR-05-111419

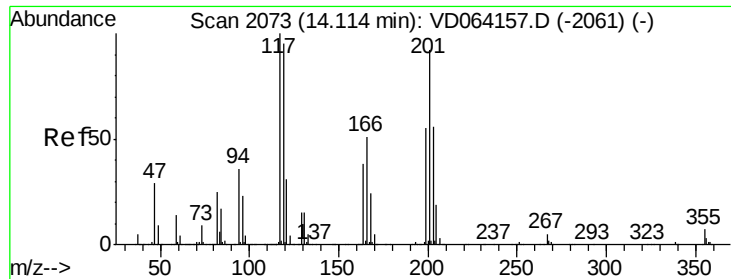
Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.5	13.5	40.5
91	23.6	11.5	34.4



#89
n-Butylbenzene
Concen: 27.690 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064224.D
Acq: 15 Nov 2019 13:40

Tgt Ion	Ratio	Lower	Upper
91	100		
92	42.6	27.3	81.8
134	0.0	14.1	42.4





#90

Hexachloroethane

Concen: 15.310 ug/l

RT: 14.13 min Scan# 2075

Delta R.T. 0.01 min

Lab File: VD064224.D

Acq: 15 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

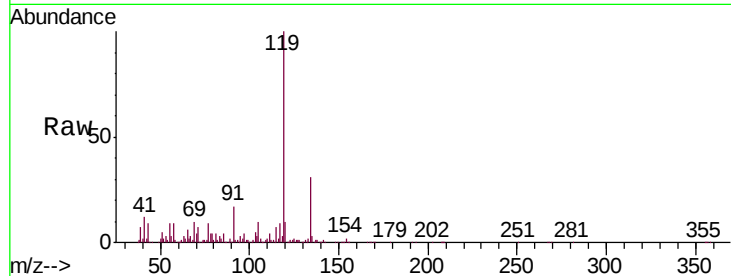
HR-05-111419

Tgt Ion: 117 Resp: 118075

Ion Ratio Lower Upper

117 100

201 0.2 45.8 137.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

200000

150000

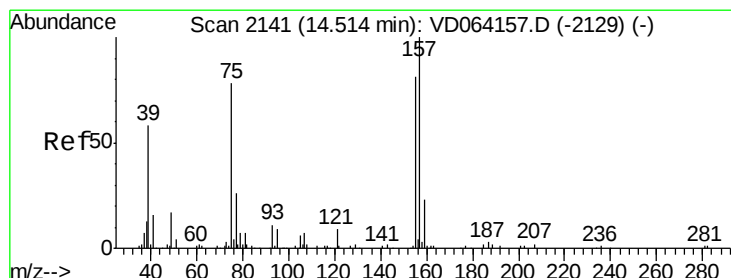
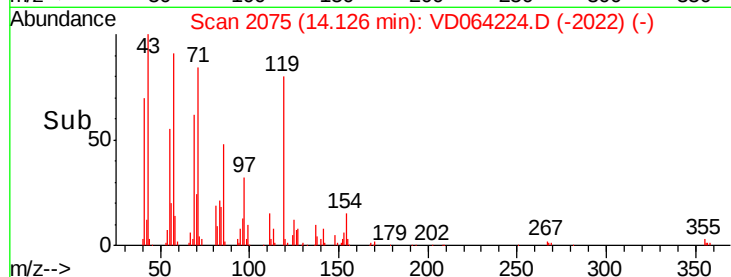
100000

50000

0

14.10 14.15

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.512 ug/l

RT: 14.53 min Scan# 2144

Delta R.T. 0.02 min

Lab File: VD064224.D

Acq: 15 Nov 2019 13:40

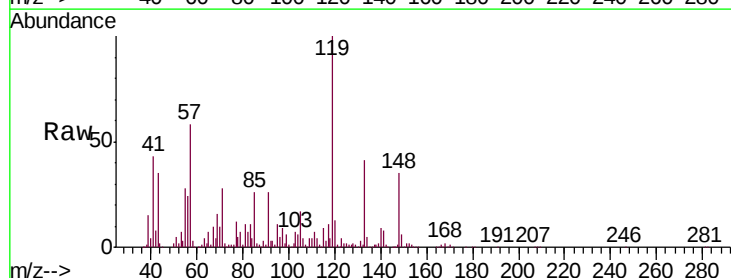
Tgt Ion: 75 Resp: 3053

Ion Ratio Lower Upper

75 100

155 50.9 48.0 144.0

157 2.4 61.5 184.4#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

4000

3000

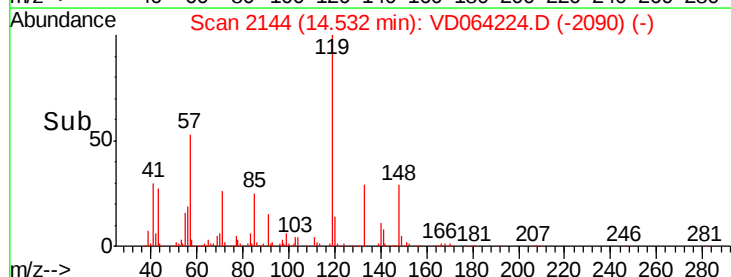
2000

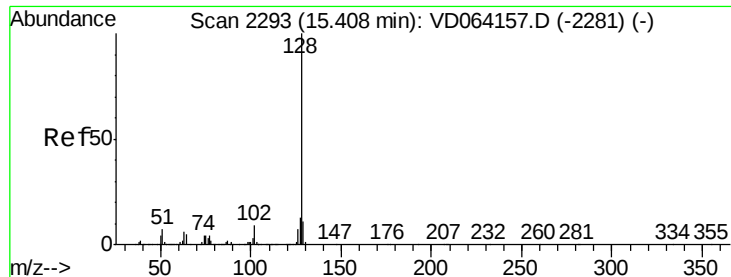
1000

0

14.50 14.52 14.54 14.56

Time-->





#95

Naphthalene

Concen: 11.524 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD064224.D

Acq: 15 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

HR-05-111419

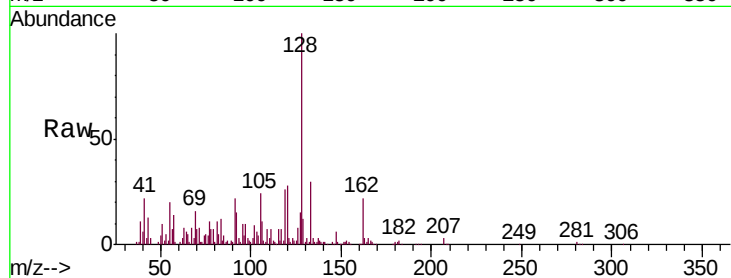
Tgt Ion:128 Resp: 250896

Ion Ratio Lower Upper

128 100

127 16.6 10.5 15.7#

129 14.1 8.6 13.0#



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

