

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD112019\
 Data File : VD064315.D
 Acq On : 20 Nov 2019 16:15
 Operator : VA/SY
 Sample : K5957-02
 Misc : 6.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MW-1-(17-20)

Quant Time: Nov 20 17:05:28 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	553756	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	931744	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	605742	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.58	152	2105076	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	363974	79.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	159.84%	
35) Dibromofluoromethane	7.93	113	337812	63.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.32%	
50) Toluene-d8	10.36	98	6876354	340.81	ug/l	0.01
Spiked Amount	50.000		Recovery	=	681.62%	
62) 4-Bromofluorobenzene	12.77	95	17288377	2474.30	ug/l	0.13
Spiked Amount	50.000		Recovery	=	4948.60%	

Target Compounds						Qvalue
10) Methyl Iodide	4.29	142	343	2.090	ug/l #	41
11) Tert butyl alcohol	5.26	59	2421	7.611	ug/l #	69
13) Acrolein	3.93	56	404	1.501	ug/l #	68
14) Allyl chloride	4.81	41	23532	2.860	ug/l #	22
15) Acrylonitrile	5.50	53	34182	34.142	ug/l #	35
16) Acetone	4.17	43	63384	58.748	ug/l #	68
18) Methyl Acetate	4.80	43	16145	5.358	ug/l #	53
25) 2-Butanone	7.23	43	51423	36.891	ug/l #	53
30) Chloroform	7.69	83	25675	2.832	ug/l #	27
31) Cyclohexane	8.00	56	2553588	285.679	ug/l #	90
36) 1,1-Dichloropropene	7.99	75	41050	4.774	ug/l #	37
37) Ethyl Acetate	7.23	43	51423	14.185	ug/l #	75
38) Carbon Tetrachloride	8.00	117	50212	5.457	ug/l #	15
39) Methylcyclohexane	9.37	83	19009015	1746.982	ug/l	96
41) Methacrylonitrile	7.57	41	3918	1.720	ug/l #	54
43) Isopropyl Acetate	8.47	43	478438	64.053	ug/l #	53
44) Trichloroethene	9.13	130	57424	8.141	ug/l	89
45) 1,2-Dichloropropane	9.37	63	205111	35.857	ug/l #	1
46) Dibromomethane	9.37	93	15453	5.046	ug/l #	1
47) Bromodichloromethane	9.65	83	208731	25.304	ug/l #	11
48) Methyl methacrylate	9.55	41	778976	213.278	ug/l #	55
49) 1,4-Dioxane	9.37	88	259	7.042	ug/l #	1
51) 4-Methyl-2-Pentanone	10.14	43	19938033	5566.301	ug/l #	42
52) Toluene	10.36	92	23881	1.545	ug/l #	1
53) t-1,3-Dichloropropene	10.70	75	21118	2.555	ug/l #	1
55) 1,1,2-Trichloroethane	10.79	97	22896173	5511.376	ug/l #	22
56) Ethyl methacrylate	10.70	69	12670133	2180.222	ug/l #	67
58) 2-Chloroethyl Vinyl ether	9.94	63	8754	3.719	ug/l #	45
59) 2-Hexanone	10.96	43	1897728	744.694	ug/l #	26
60) Dibromochloromethane	10.98	129	684626	118.103	ug/l #	32
61) 1,2-Dibromoethane	11.27	107	30987	7.447	ug/l #	1
64) Tetrachloroethene	10.89	164	129084	27.708	ug/l	94
65) Chlorobenzene	11.83	112	8295711	673.473	ug/l #	43
67) Ethyl Benzene	11.86	91	2065072	92.684	ug/l #	11

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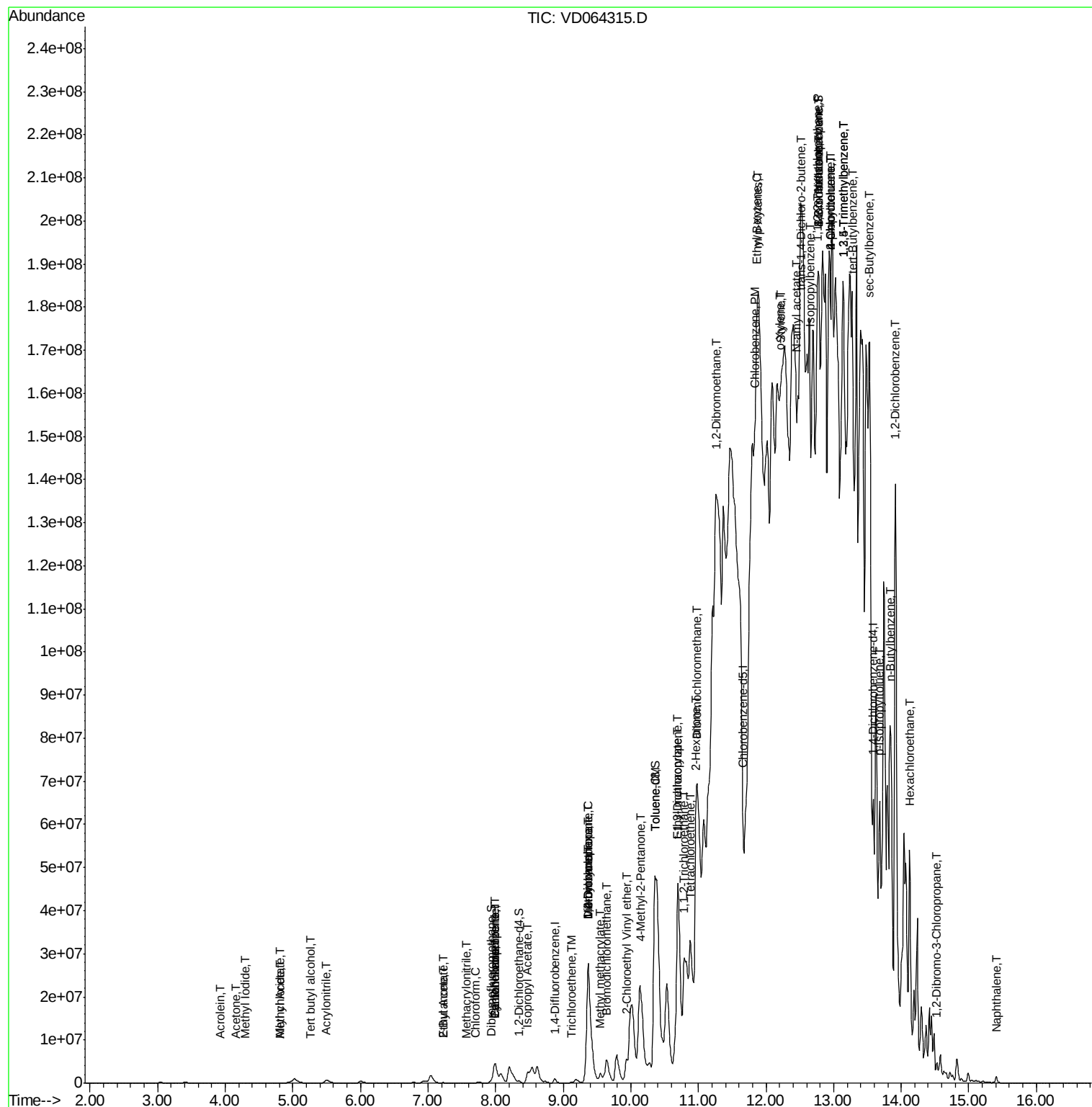
68) m/p-Xylenes	11.87	106	3282414	384.345	ug/l #	9
69) o-Xylene	12.20	106	364093	45.968	ug/l	59
70) Styrene	12.21	104	16838	1.218	ug/l #	1
73) Isopropylbenzene	12.66	105	263756	1.707	ug/l #	48
74) N-amyl acetate	12.45	43	19308974	529.195	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	12.76	83	5441297	233.711	ug/l #	68
76) 1,2,3-Trichloropropane	12.77	75	98625	5.817	ug/l #	100
77) Bromobenzene	12.78	156	340054	9.059	ug/l #	1
78) n-propylbenzene	12.96	91	16306401	92.371	ug/l	95
79) 2-Chlorotoluene	12.96	91	16306401	163.610	ug/l #	39
80) 1,3,5-Trimethylbenzene	13.16	105	1785764	14.065	ug/l	70
81) trans-1,4-Dichloro-2-buten	12.53	75	996838	116.781	ug/l #	1
82) 4-Chlorotoluene	12.96	91	16306401	156.861	ug/l #	39
83) tert-Butylbenzene	13.28	119	33775775	301.696	ug/l #	37
84) 1,2,4-Trimethylbenzene	13.16	105	1785764	14.247	ug/l	75
85) sec-Butylbenzene	13.54	105	2369887	15.761	ug/l #	1
86) p-Isopropyltoluene	13.68	119	12235674	85.594	ug/l	90
89) n-Butylbenzene	13.84	91	22153075	171.533	ug/l #	65
90) Hexachloroethane	14.13	117	2333954	88.345	ug/l #	4
91) 1,2-Dichlorobenzene	13.91	146	62863	1.066	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	14.53	75	7438	1.787	ug/l #	1
95) Naphthalene	15.41	128	1338453	17.947	ug/l	100

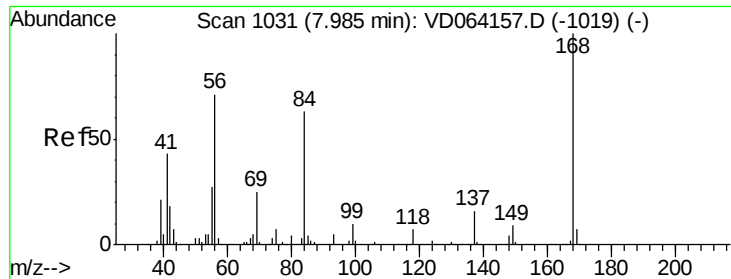
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD064315.D

Acq: 20 Nov 2019 16:15

Instrument :

MSVOA_D

ClientSampleId :

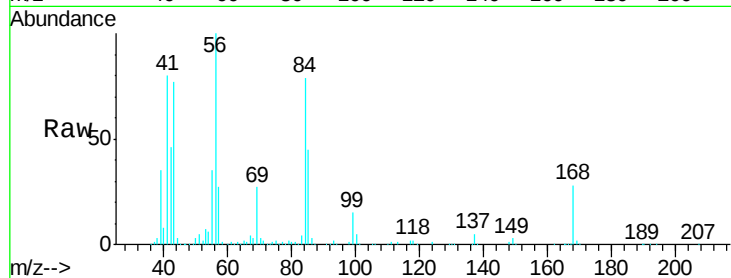
MW-1-(17-20)

Tgt Ion:168 Resp: 553756

Ion Ratio Lower Upper

168 100

99 52.6 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.99

200000

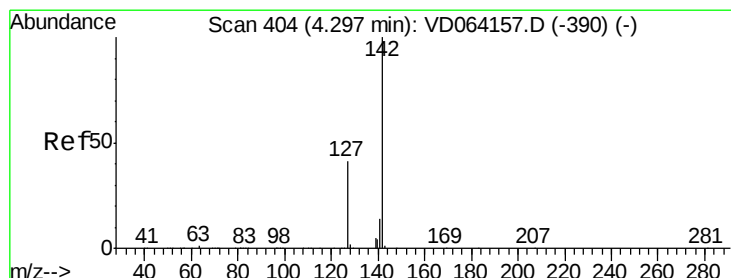
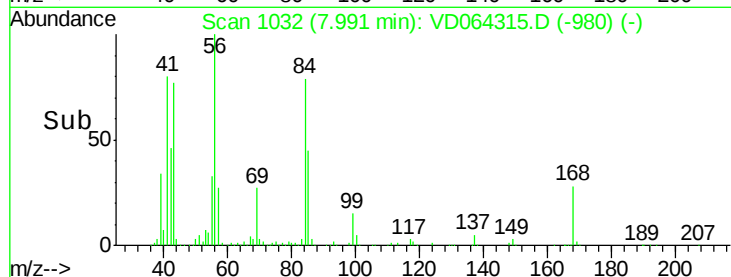
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 2.090 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD064315.D

Acq: 20 Nov 2019 16:15

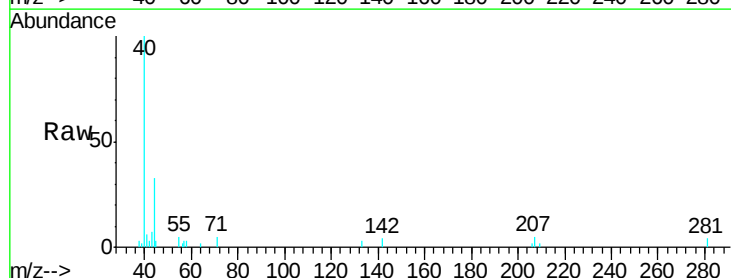
Tgt Ion:142 Resp: 343

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

4.29

400

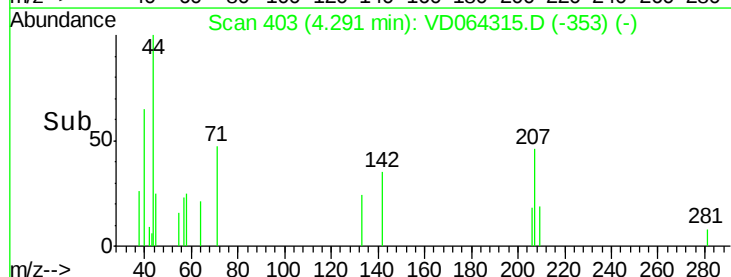
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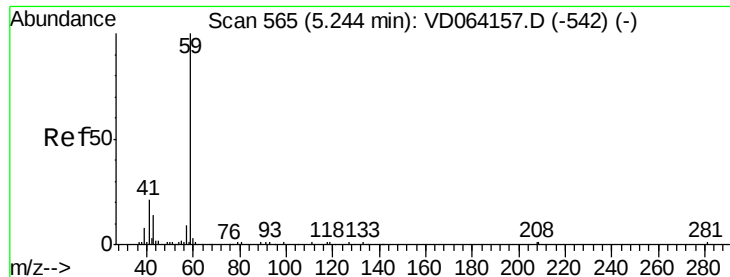
200

100

0

Time-->



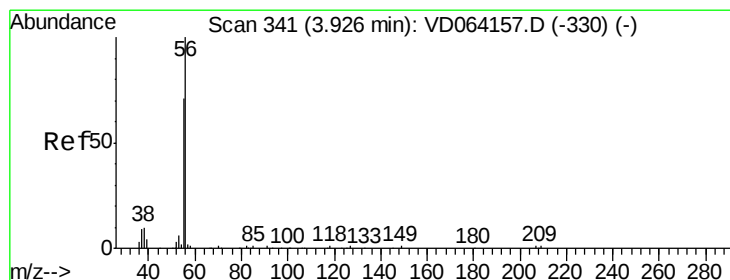
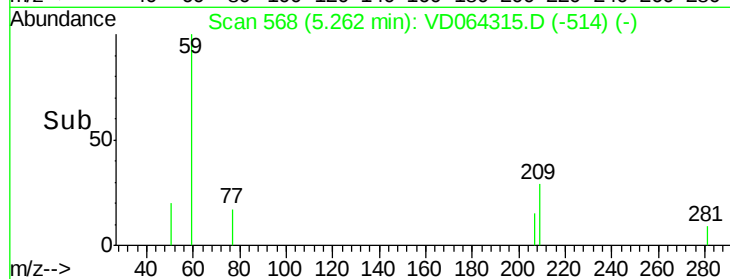
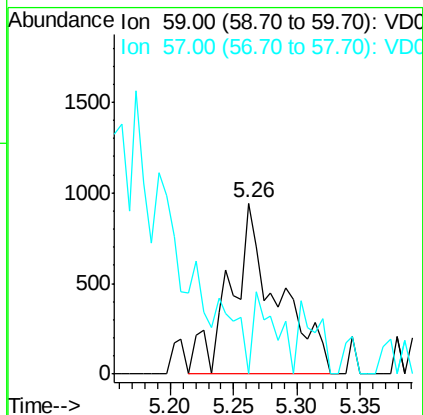
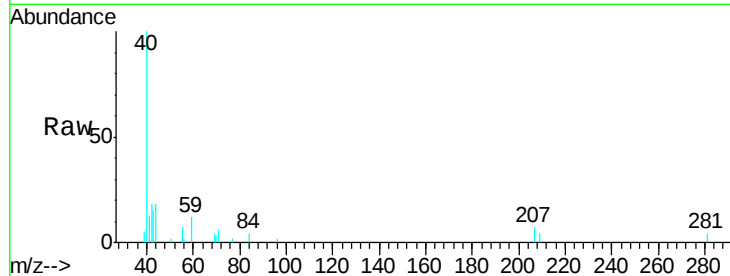


#11

Tert butyl alcohol
 Concen: 7.611 ug/l
 RT: 5.26 min Scan# 568
 Delta R.T. 0.02 min
 Lab File: VD064315.D
 Acq: 20 Nov 2019 16:15

Instrument :
 MSVOA_D
 ClientSampleId :
 MW-1-(17-20)

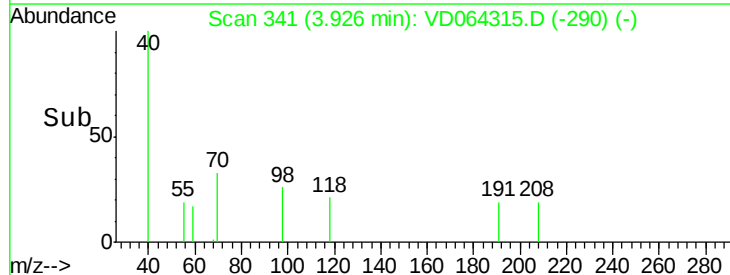
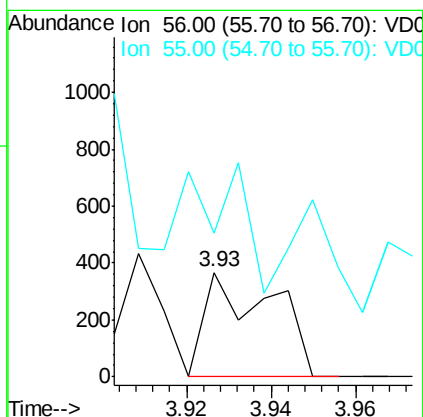
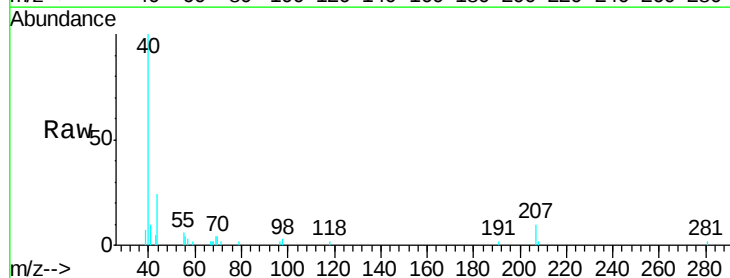
Tgt Ion: 59 Resp: 2421
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.4 14.2#

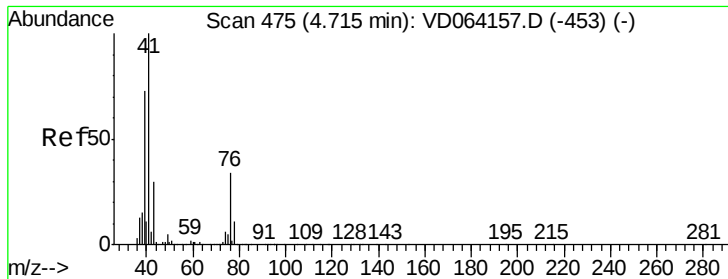


#13

Acrolein
 Concen: 1.501 ug/l
 RT: 3.93 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VD064315.D
 Acq: 20 Nov 2019 16:15

Tgt Ion: 56 Resp: 404
 Ion Ratio Lower Upper
 56 100
 55 96.0 56.1 84.1#

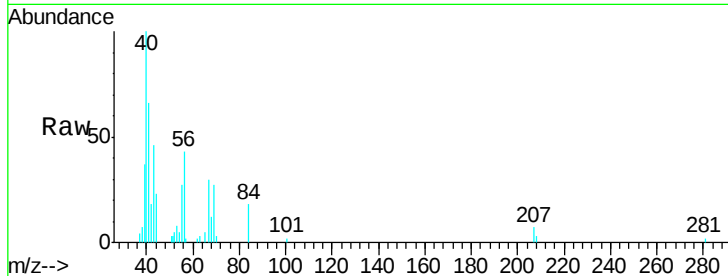




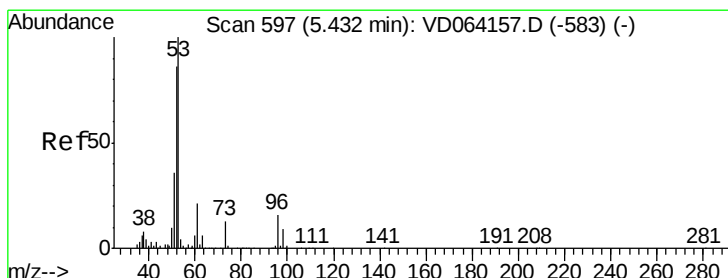
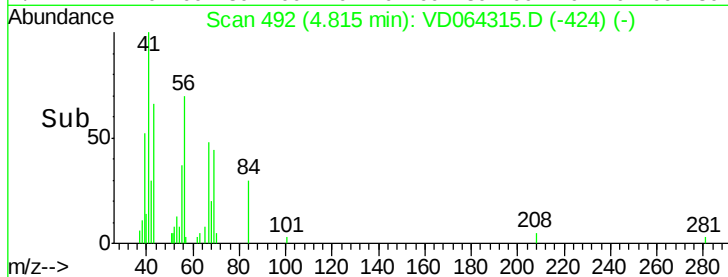
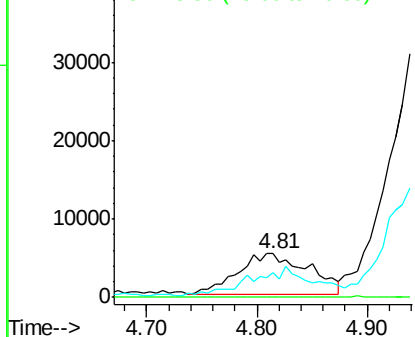
#14
 Allyl chloride
 Concen: 2.860 ug/l
 RT: 4.81 min Scan# 492
 Delta R.T. 0.10 min
 Lab File: VD064315.D
 Acq: 20 Nov 2019 16:15

Instrument :
 MSVOA_D
 ClientSampleId :
 MW-1-(17-20)

Tgt Ion: 41 Resp: 23532
 Ion Ratio Lower Upper
 41 100
 39 0.0 57.5 86.3#
 76 0.0 26.8 40.2#

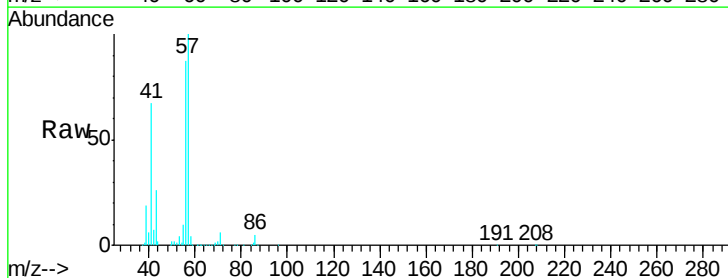


Abundance Ion 41.00 (40.70 to 41.70): VDC
 Ion 39.00 (38.70 to 39.70): VDC
 Ion 75.90 (75.60 to 76.60): VDC

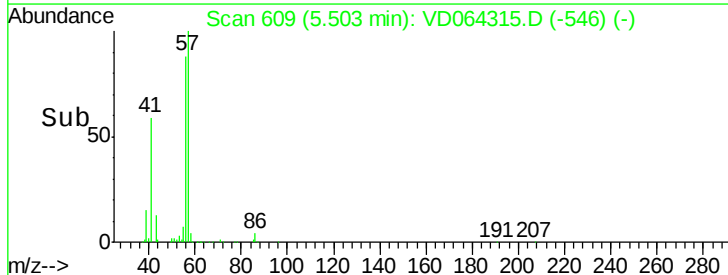
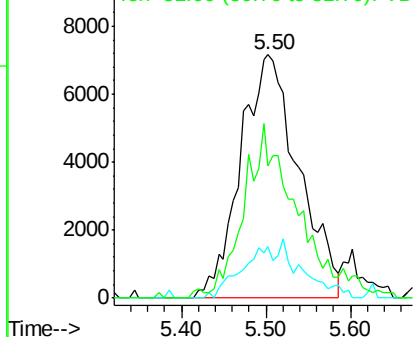


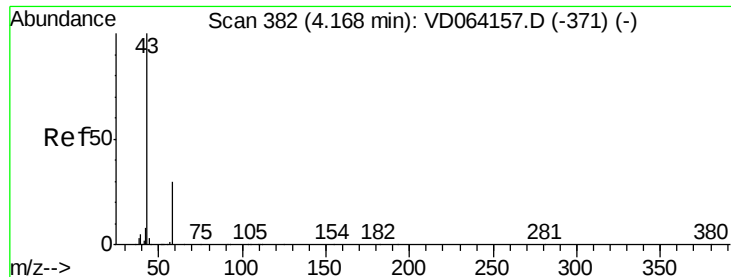
#15
 Acrylonitrile
 Concen: 34.142 ug/l
 RT: 5.50 min Scan# 609
 Delta R.T. 0.07 min
 Lab File: VD064315.D
 Acq: 20 Nov 2019 16:15

Tgt Ion: 53 Resp: 34182
 Ion Ratio Lower Upper
 53 100
 52 11.8 66.7 100.1#
 51 58.1 30.6 46.0#



Abundance Ion 53.00 (52.70 to 53.70): VDC
 Ion 52.00 (51.70 to 52.70): VDC
 Ion 51.00 (50.70 to 51.70): VDC

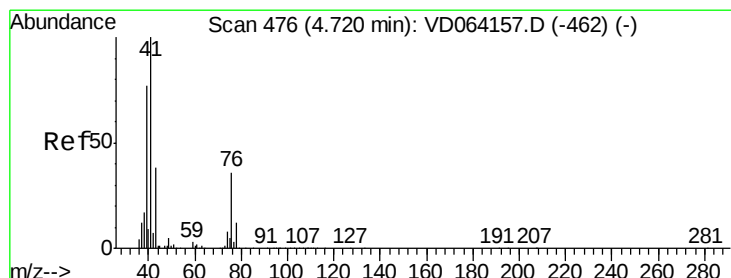
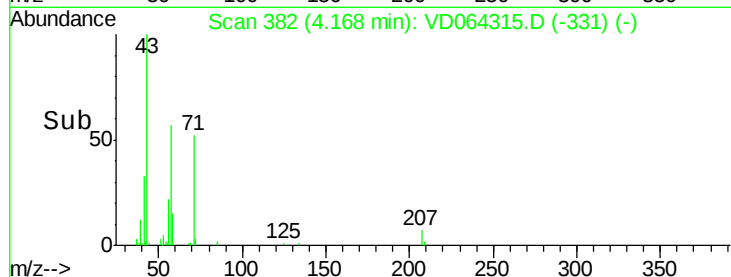
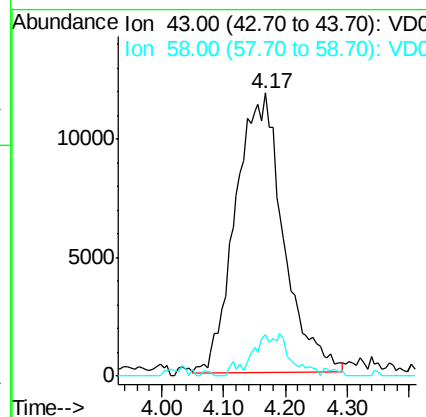
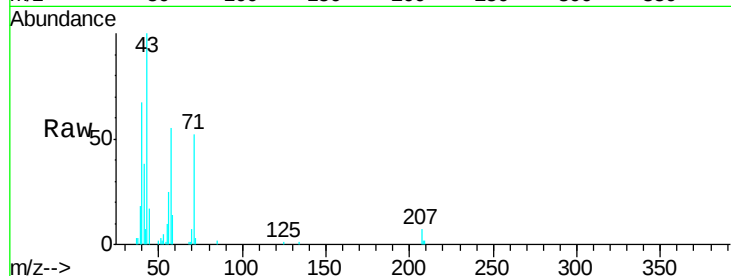




#16
Acetone
Concen: 58.748 ug/l
RT: 4.17 min Scan# 382
Delta R.T. 0.00 min
Lab File: VD064315.D
Acq: 20 Nov 2019 16:15

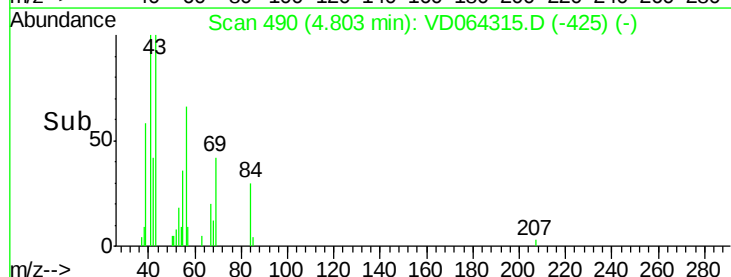
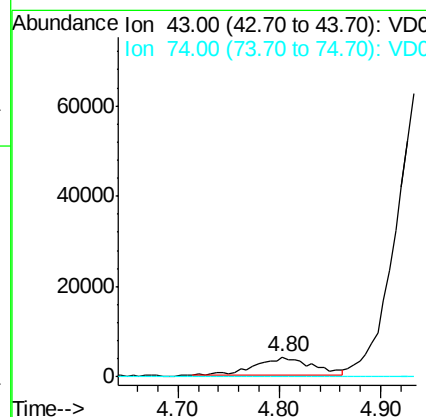
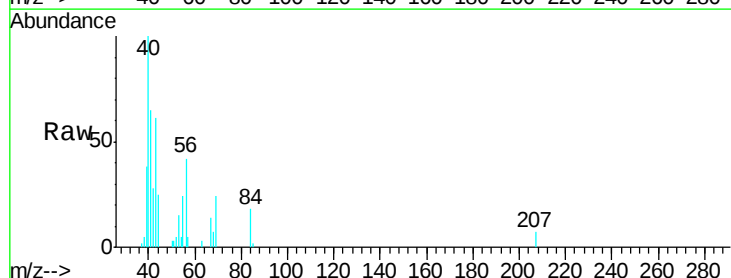
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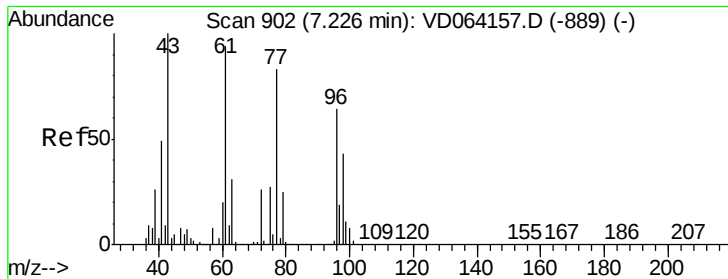
Tgt Ion: 43 Resp: 63384
Ion Ratio Lower Upper
43 100
58 12.8 24.1 36.1#



#18
Methyl Acetate
Concen: 5.358 ug/l
RT: 4.80 min Scan# 490
Delta R.T. 0.08 min
Lab File: VD064315.D
Acq: 20 Nov 2019 16:15

Tgt Ion: 43 Resp: 16145
Ion Ratio Lower Upper
43 100
74 0.0 18.4 27.6#





#25

2-Butanone

Concen: 36.891 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD064315.D

Acq: 20 Nov 2019 16:15

Instrument :

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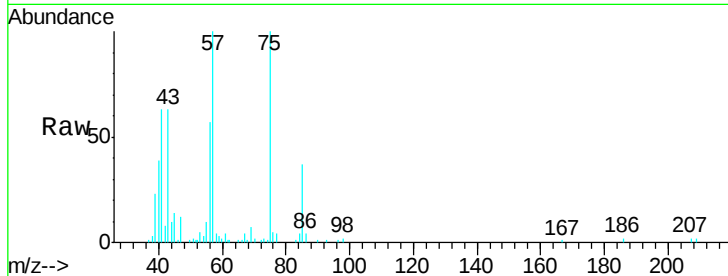
MW-1-(17-20)

Tgt Ion: 43 Resp: 51423

Ion Ratio Lower Upper

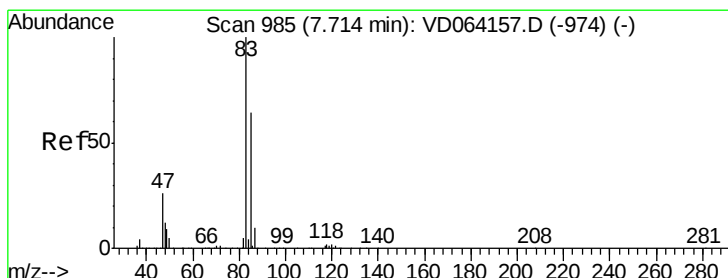
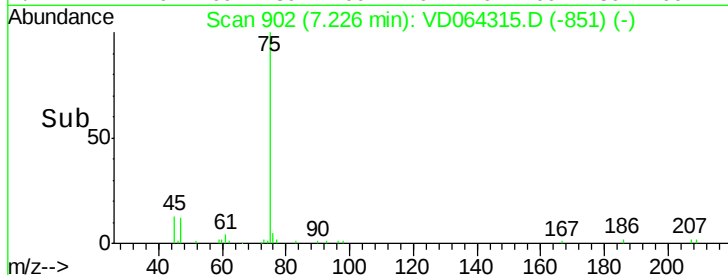
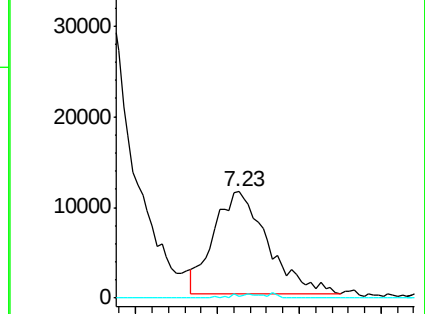
43 100

72 2.0 20.6 30.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#30

Chloroform

Concen: 2.832 ug/l

RT: 7.69 min Scan# 981

Delta R.T. -0.02 min

Lab File: VD064315.D

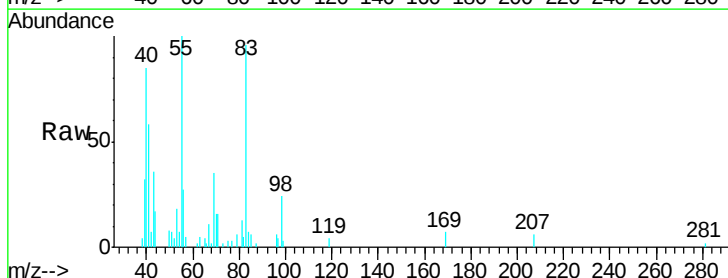
Acq: 20 Nov 2019 16:15

Tgt Ion: 83 Resp: 25675

Ion Ratio Lower Upper

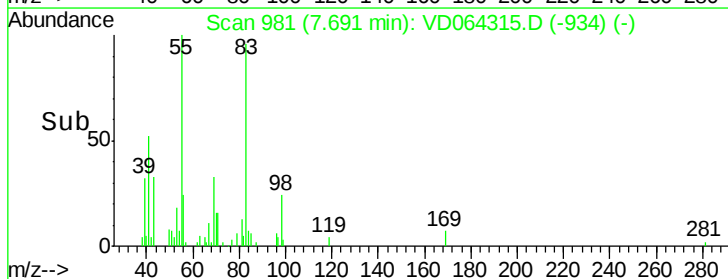
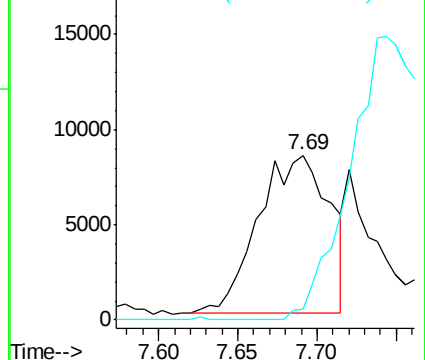
83 100

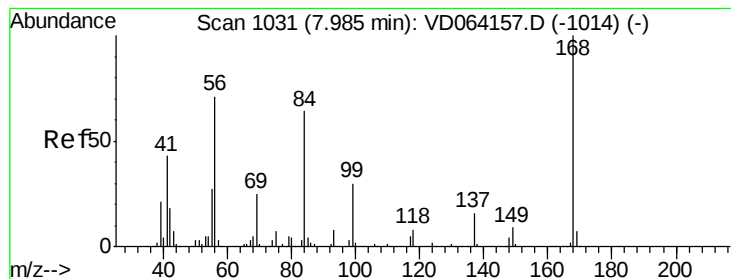
85 6.8 51.4 77.0#



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 285.679 ug/l

RT: 8.00 min Scan# 1033

Delta R.T. 0.01 min

Lab File: VD064315.D

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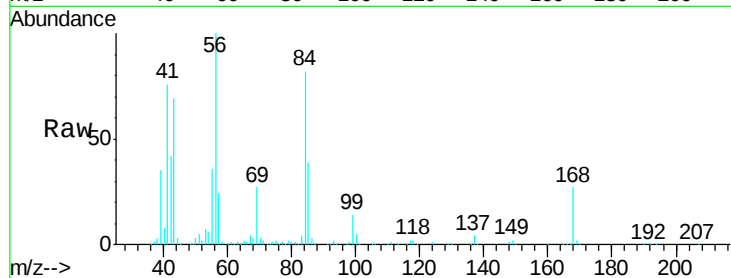
Tgt Ion: 56 Resp: 2553588

Ion Ratio Lower Upper

56 100

69 26.7 28.2 42.4#

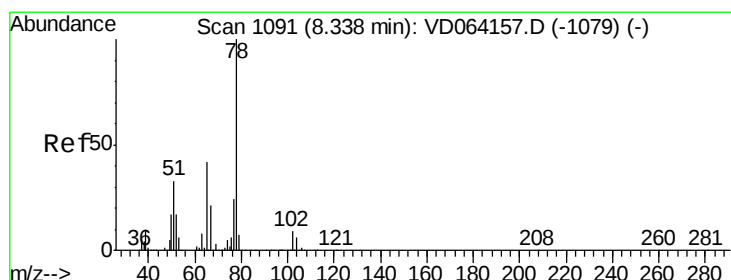
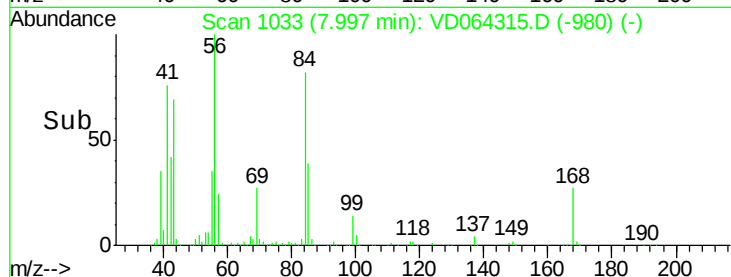
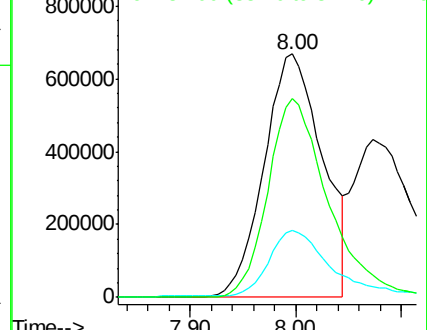
84 81.7 71.8 107.6



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: 79.918 ug/l

RT: 8.34 min Scan# 1092

Delta R.T. 0.01 min

Lab File: VD064315.D

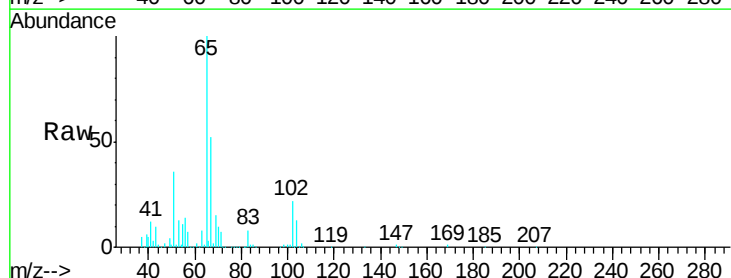
Acq: 20 Nov 2019 16:15

Tgt Ion: 65 Resp: 363974

Ion Ratio Lower Upper

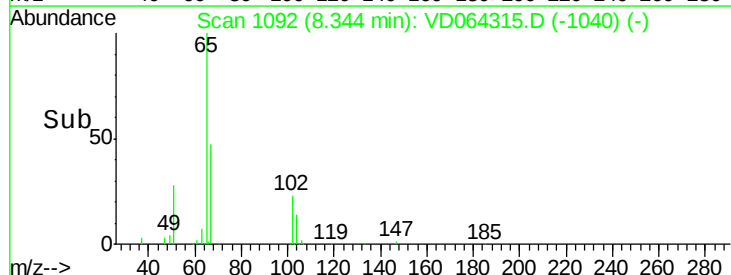
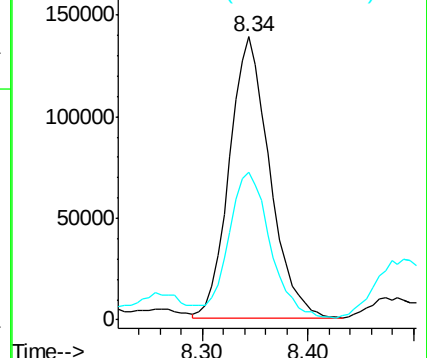
65 100

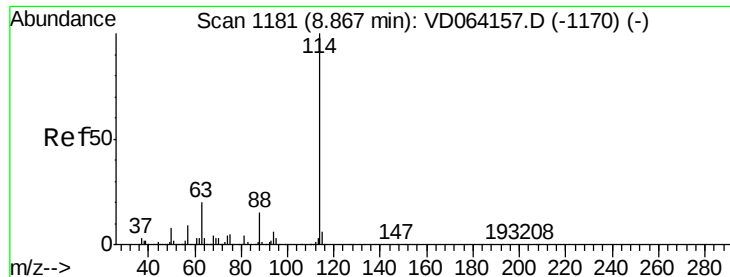
67 53.4 0.0 104.4



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# 1182

Delta R.T. 0.01 min

Lab File: VD064315.D

Acq: 20 Nov 2019 16:15

Instrument :

MSVOA_D

ClientSampleId :

MW-1-(17-20)

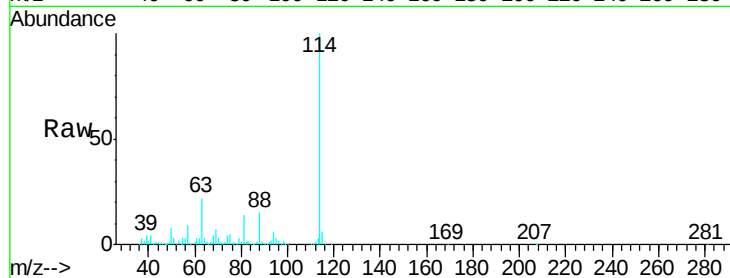
Tgt Ion:114 Resp: 931744

Ion Ratio Lower Upper

114 100

63 21.6 0.0 40.0

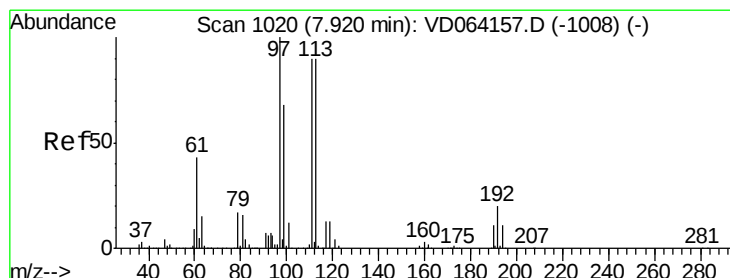
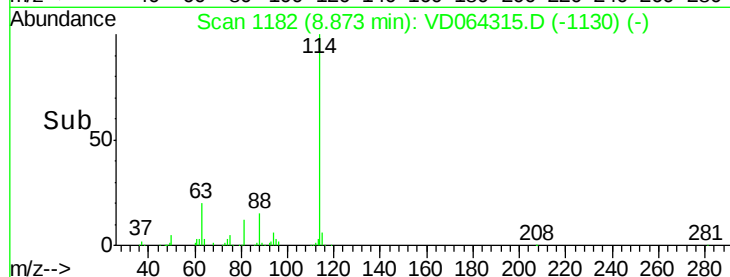
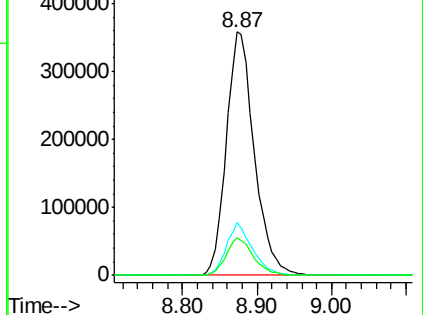
88 15.4 0.0 30.2



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: 63.162 ug/l

RT: 7.93 min Scan# 1021

Delta R.T. 0.01 min

Lab File: VD064315.D

Acq: 20 Nov 2019 16:15

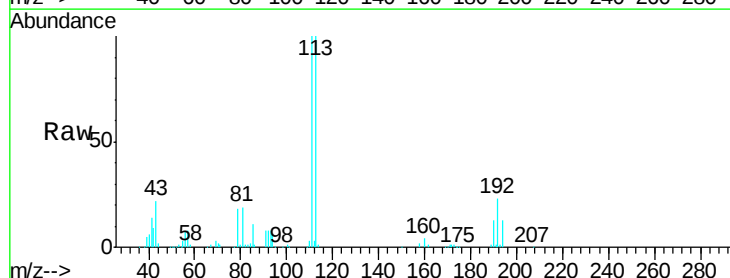
Tgt Ion:113 Resp: 337812

Ion Ratio Lower Upper

113 100

111 103.0 81.5 122.3

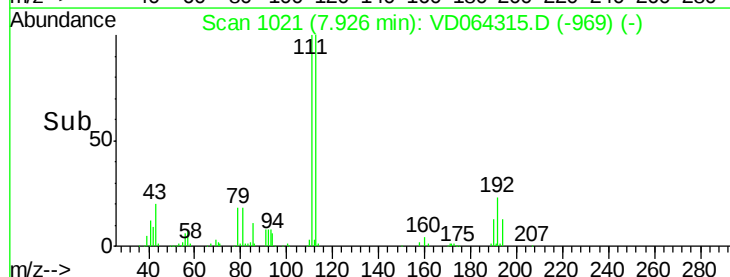
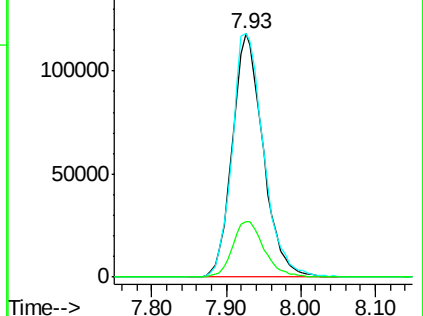
192 23.4 18.8 28.2

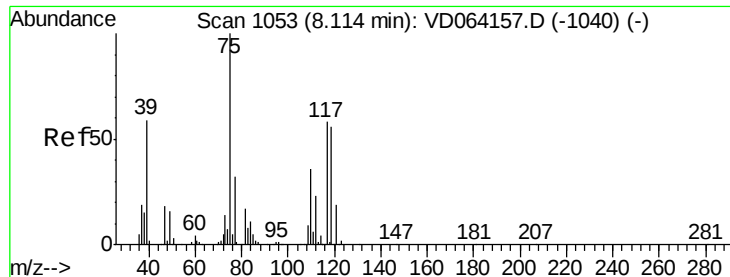


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

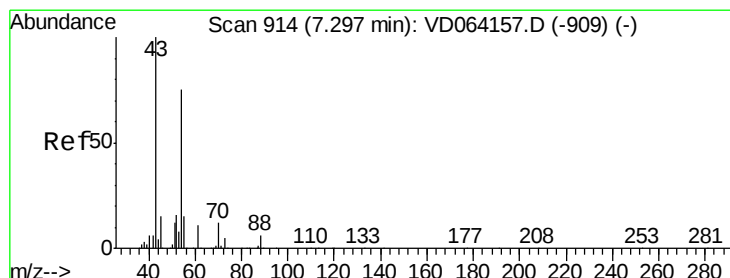
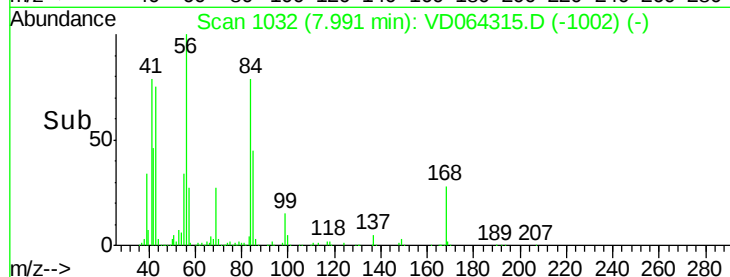
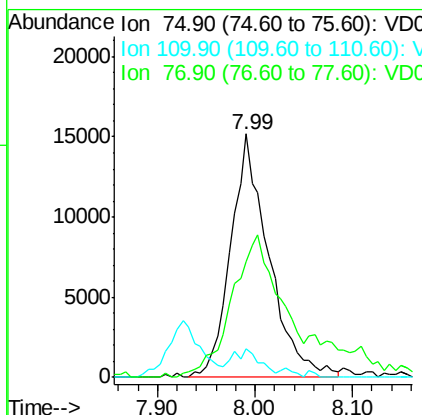
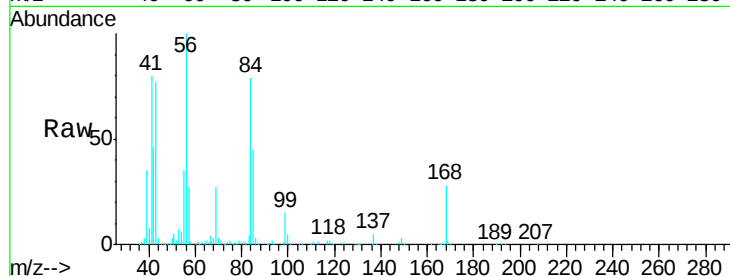




#36
 1,1-Dichloropropene
 Concen: 4.774 ug/l
 RT: 7.99 min Scan# 1032
 Delta R.T. -0.12 min
 Lab File: VD064315.D
 Acq: 20 Nov 2019 16:15

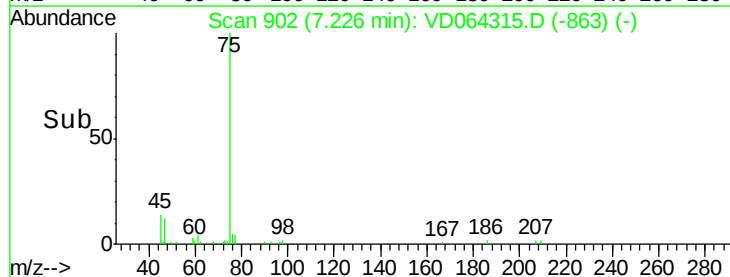
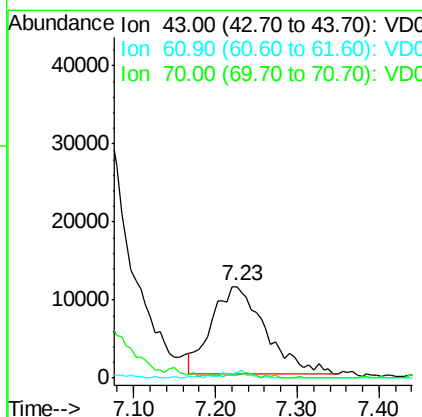
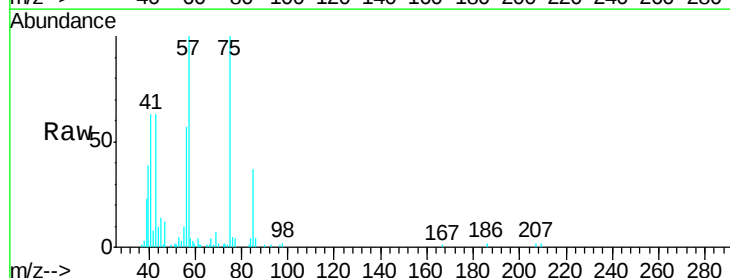
Instrument :
 MSVOA_D
 ClientSampleId :
 MW-1-(17-20)

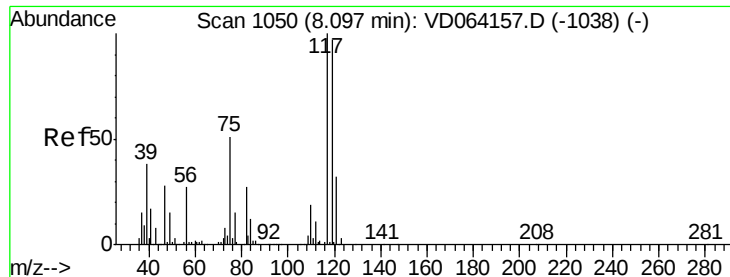
Tgt Ion: 75 Resp: 41050
 Ion Ratio Lower Upper
 75 100
 110 6.7 18.3 54.9#
 77 74.6 25.0 37.6#



#37
 Ethyl Acetate
 Concen: 14.185 ug/l
 RT: 7.23 min Scan# 902
 Delta R.T. -0.07 min
 Lab File: VD064315.D
 Acq: 20 Nov 2019 16:15

Tgt Ion: 43 Resp: 51423
 Ion Ratio Lower Upper
 43 100
 61 3.9 10.2 15.2#
 70 0.0 8.5 12.7#

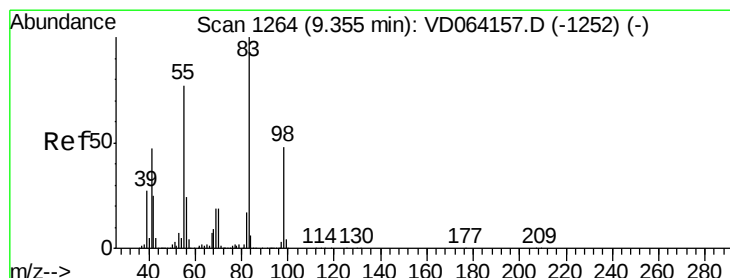
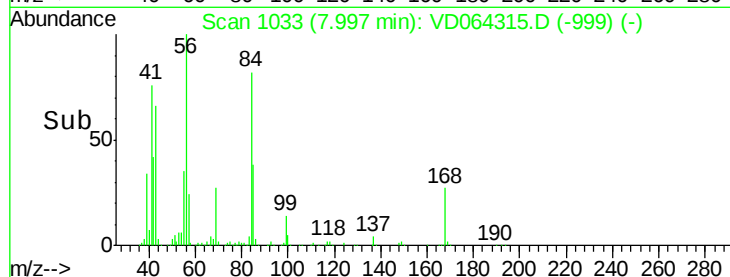
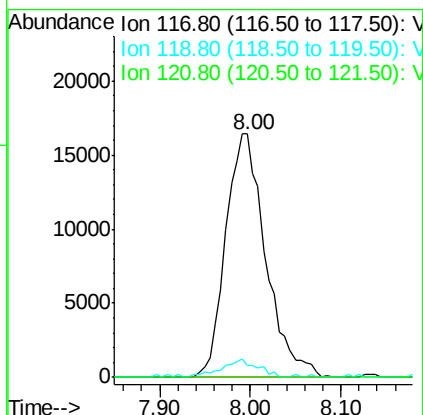
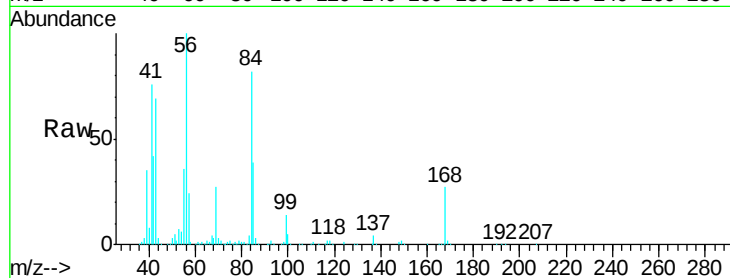




#38
Carbon Tetrachloride
Concen: 5.457 ug/l
RT: 8.00 min Scan# 1033
Delta R.T. -0.10 min
Lab File: VD064315.D
Acq: 20 Nov 2019 16:15

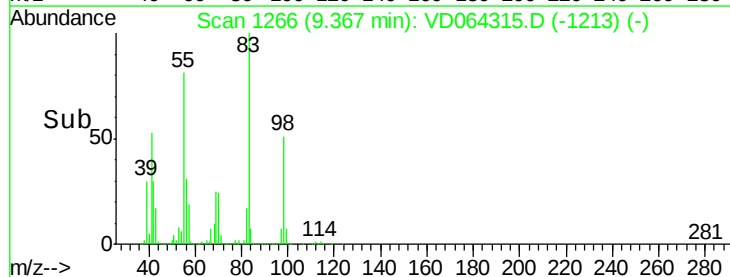
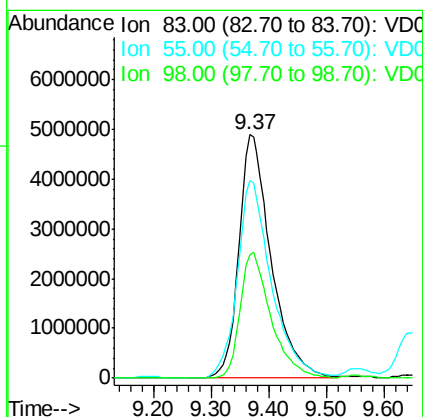
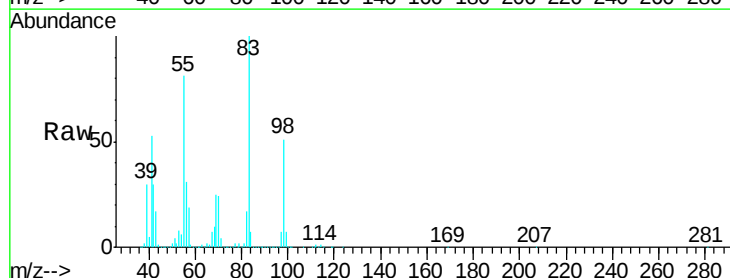
Instrument :
MSVOA_D
ClientSampleId :
MW-1-(17-20)

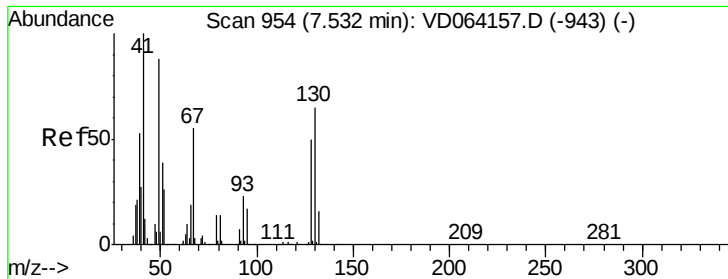
Tgt Ion: 117 Resp: 50212
Ion Ratio Lower Upper
117 100
119 4.7 77.2 115.8#
121 0.0 25.5 38.3#



#39
Methylcyclohexane
Concen: 1746.982 ug/l
RT: 9.37 min Scan# 1266
Delta R.T. 0.01 min
Lab File: VD064315.D
Acq: 20 Nov 2019 16:15

Tgt Ion: 83 Resp: 19009015
Ion Ratio Lower Upper
83 100
55 81.0 61.7 92.5
98 50.9 38.6 58.0





#41

Methacrylonitrile

Concen: 1.720 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.04 min

Lab File: VD064315.D

Acq: 20 Nov 2019 16:15

Instrument :

MSVOA_D

ClientSampleId :

MW-1-(17-20)

Tgt Ion: 41 Resp: 3918

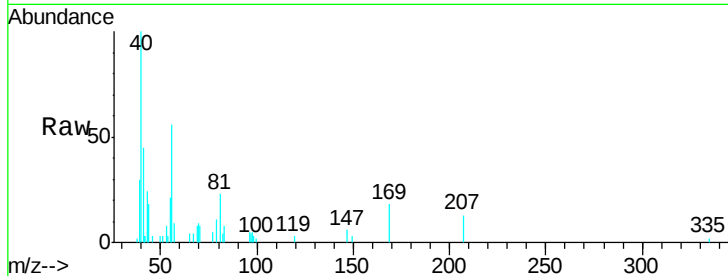
Ion Ratio Lower Upper

41 100

39 70.8 49.4 74.2

67 0.0 49.6 74.4#

52 3.8 21.4 32.0#

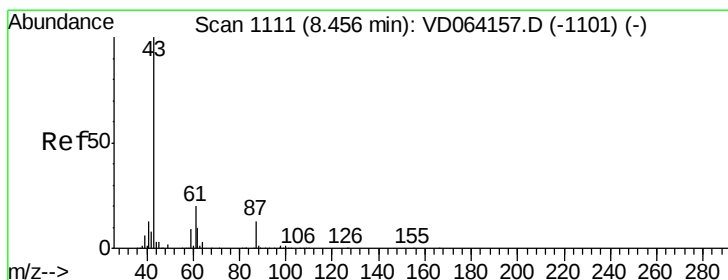
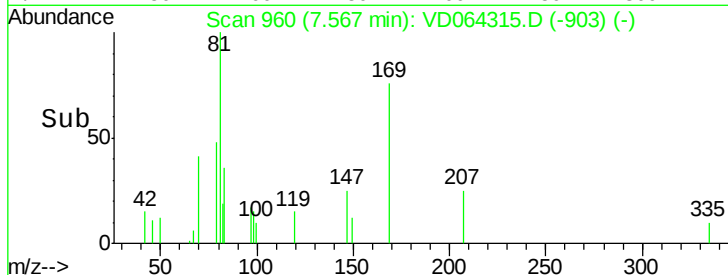
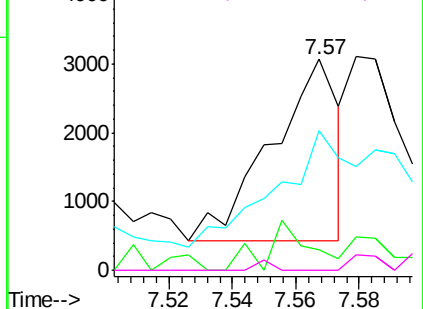


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#43

Isopropyl Acetate

Concen: 64.053 ug/l

RT: 8.47 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VD064315.D

Acq: 20 Nov 2019 16:15

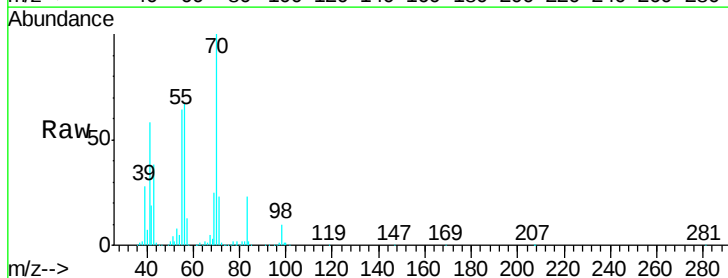
Tgt Ion: 43 Resp: 478438

Ion Ratio Lower Upper

43 100

61 0.4 22.9 34.3#

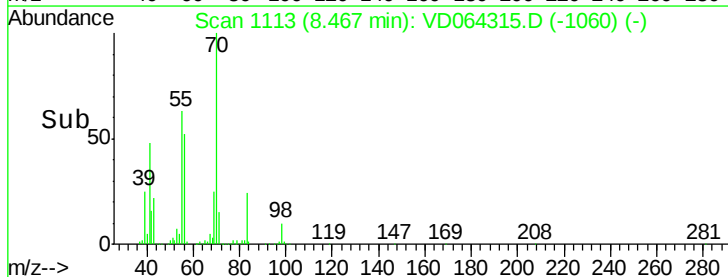
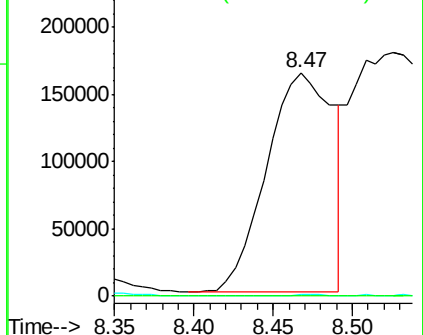
87 0.0 10.2 15.2#

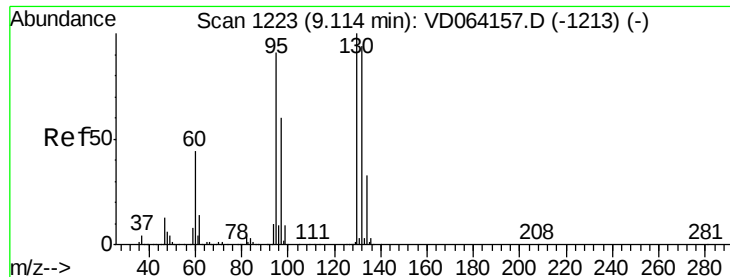


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC





#44

Trichloroethene

Concen: 8.141 ug/l

RT: 9.13 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD064315.D

Acq: 20 Nov 2019 16:15

Instrument :

MSVOA_D

ClientSampleId :

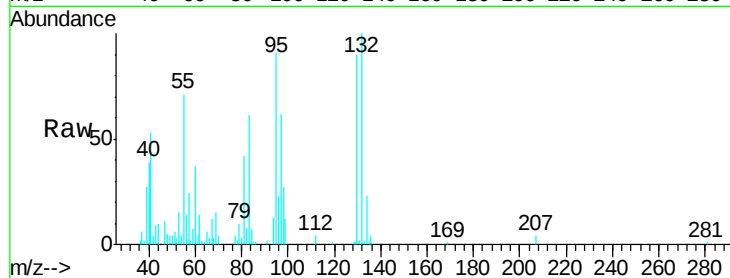
MW-1-(17-20)

Tgt Ion:130 Resp: 57424

Ion Ratio Lower Upper

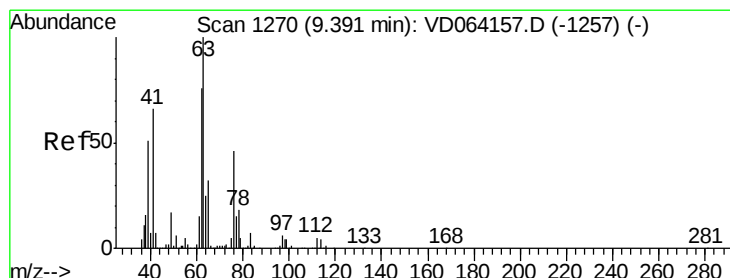
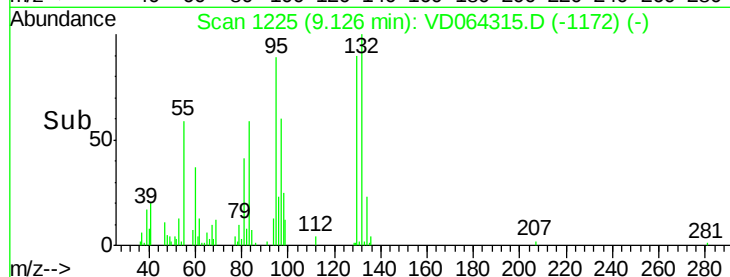
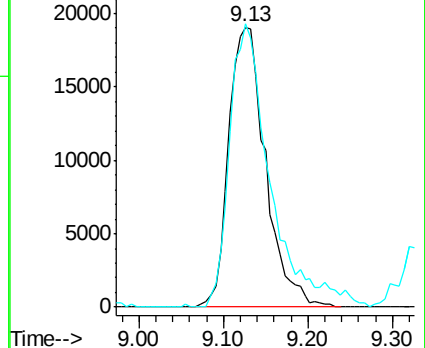
130 100

95 101.1 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC



#45

1,2-Dichloropropane

Concen: 35.857 ug/l

RT: 9.37 min Scan# 1267

Delta R.T. -0.02 min

Lab File: VD064315.D

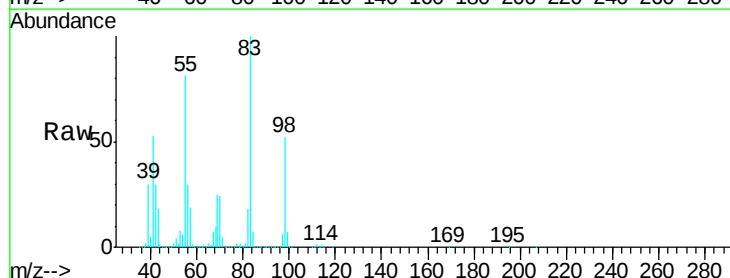
Acq: 20 Nov 2019 16:15

Tgt Ion: 63 Resp: 205111

Ion Ratio Lower Upper

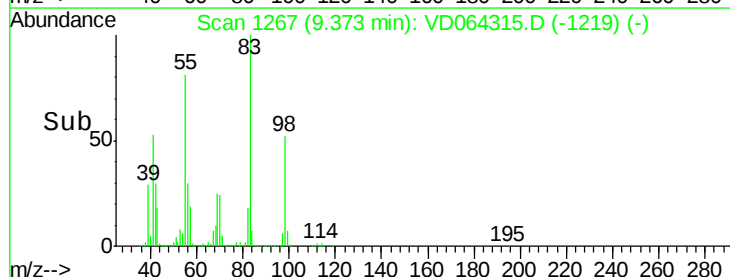
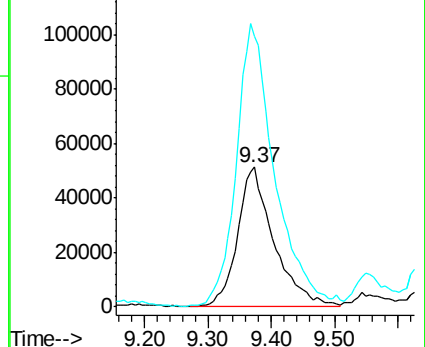
63 100

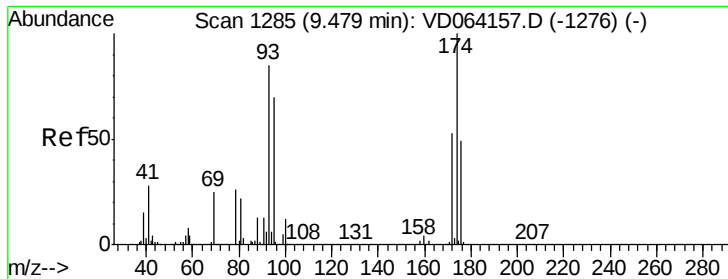
65 193.1 25.7 38.5#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC





#46

Dibromomethane

Concen: 5.046 ug/l

RT: 9.37 min Scan# 1266

Delta R.T. -0.11 min

Lab File: VD064315.D

Acq: 20 Nov 2019 16:15

Instrument :

MSVOA_D

ClientSampleId :

MW-1-(17-20)

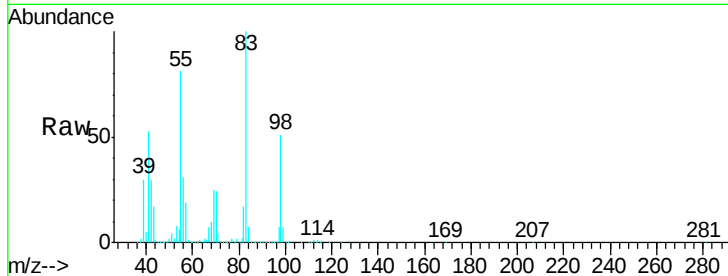
Tgt Ion: 93 Resp: 15453

Ion Ratio Lower Upper

93 100

95 325.5 65.5 98.3#

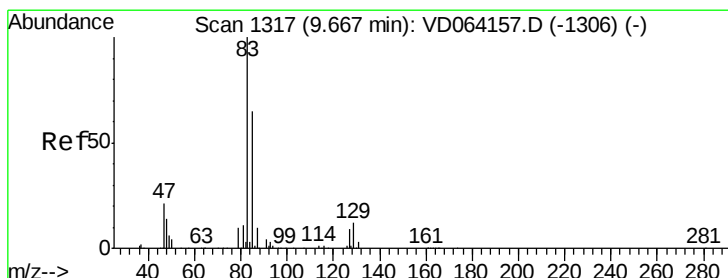
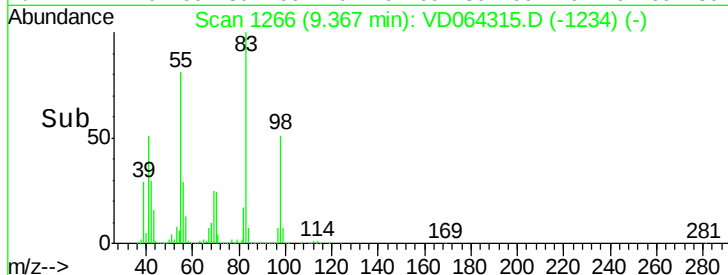
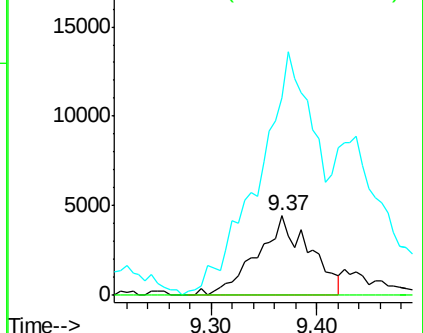
174 0.0 93.9 140.9#



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V



#47

Bromodichloromethane

Concen: 25.304 ug/l

RT: 9.65 min Scan# 1314

Delta R.T. -0.02 min

Lab File: VD064315.D

Acq: 20 Nov 2019 16:15

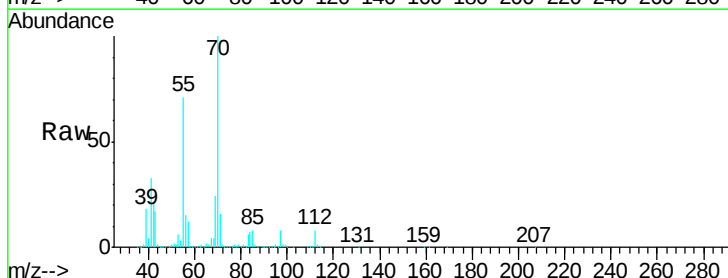
Tgt Ion: 83 Resp: 208731

Ion Ratio Lower Upper

83 100

85 142.5 52.2 78.4#

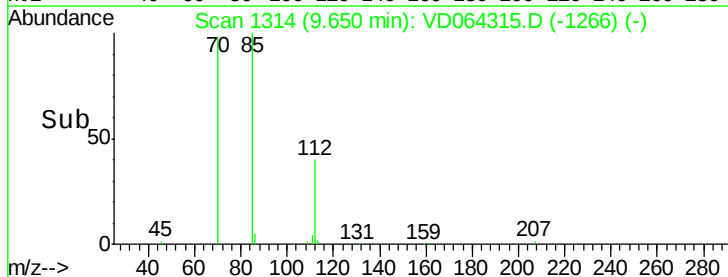
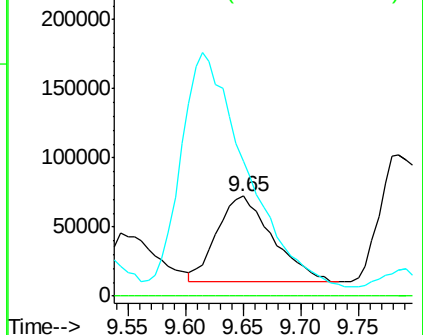
127 0.0 7.5 11.3#

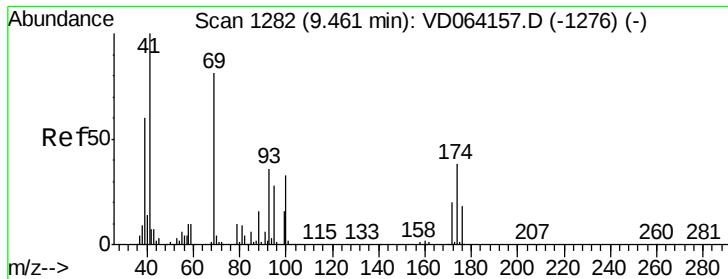


Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 126.80 (126.50 to 127.50): V

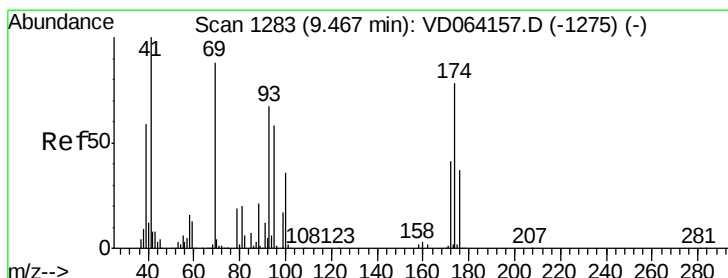
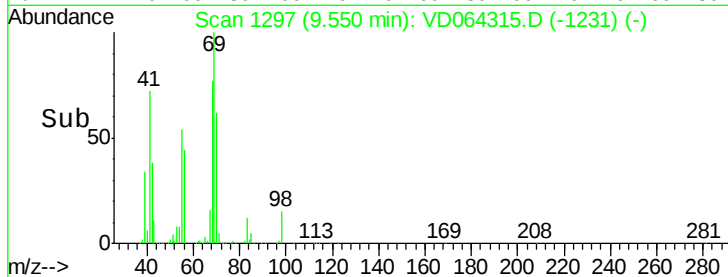
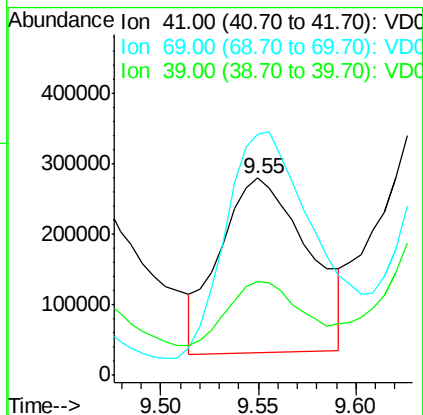
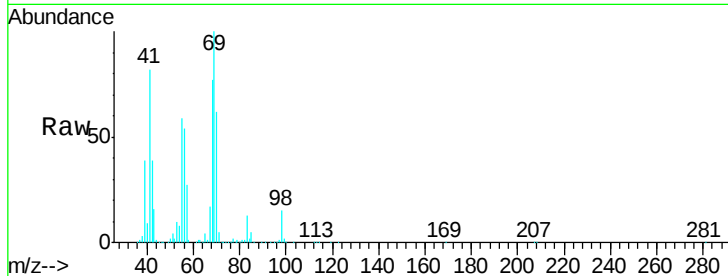




#48
Methyl methacrylate
Concen: 213.278 ug/l
RT: 9.55 min Scan# 1297
Delta R.T. 0.09 min
Lab File: VD064315.D
Acq: 20 Nov 2019 16:15

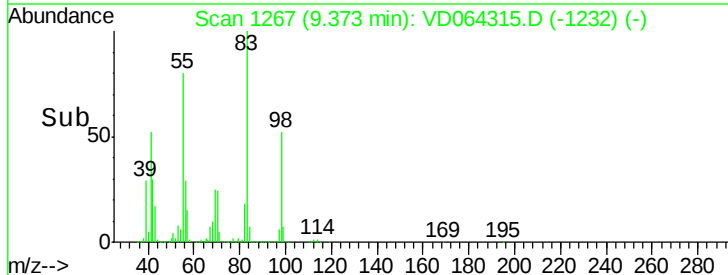
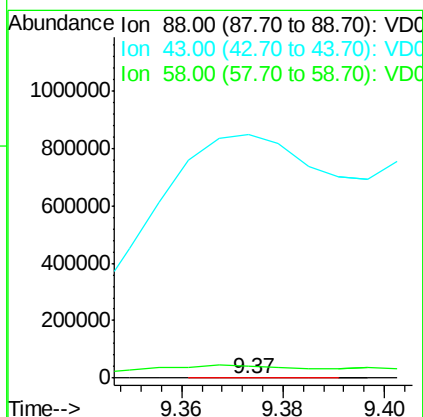
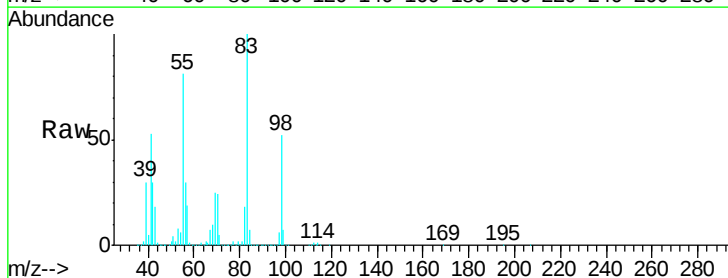
Instrument :
MSVOA_D
ClientSampleId :
MW-1-(17-20)

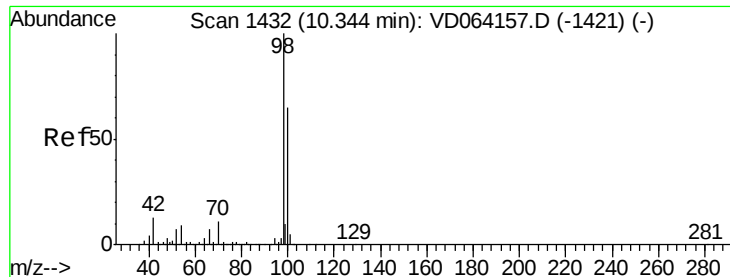
Tgt Ion: 41 Resp: 778976
Ion Ratio Lower Upper
41 100
69 135.1 64.6 97.0#
39 43.0 48.2 72.2#



#49
1,4-Dioxane
Concen: 7.042 ug/l
RT: 9.37 min Scan# 1267
Delta R.T. -0.09 min
Lab File: VD064315.D
Acq: 20 Nov 2019 16:15

Tgt Ion: 88 Resp: 259
Ion Ratio Lower Upper
88 100
43 970037.8 29.8 44.8#
58 47433.2 58.1 87.1#





#50

Toluene-d8

Concen: 340.814 ug/l

RT: 10.36 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VD064315.D

Acq: 20 Nov 2019 16:15

Instrument :

MSVOA_D

ClientSampleId :

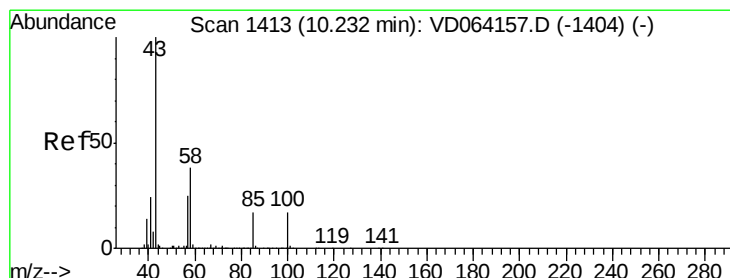
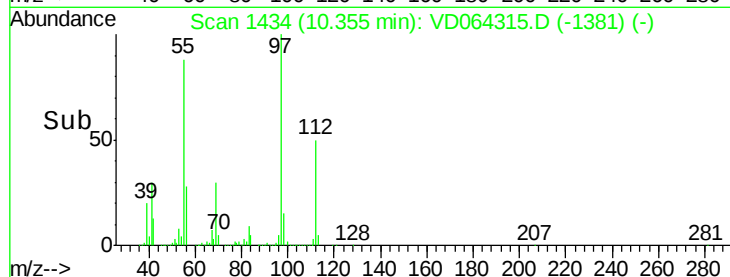
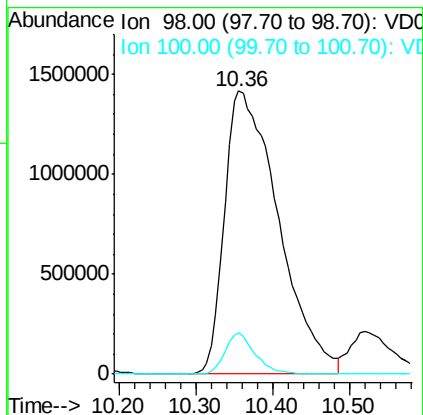
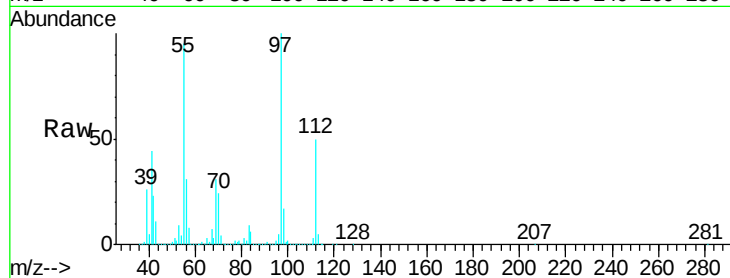
MW-1-(17-20)

Tgt Ion: 98 Resp: 6876354

Ion Ratio Lower Upper

98 100

100 8.3 52.6 78.8#



#51

4-Methyl-2-Pentanone

Concen: 5566.301 ug/l

RT: 10.14 min Scan# 1397

Delta R.T. -0.09 min

Lab File: VD064315.D

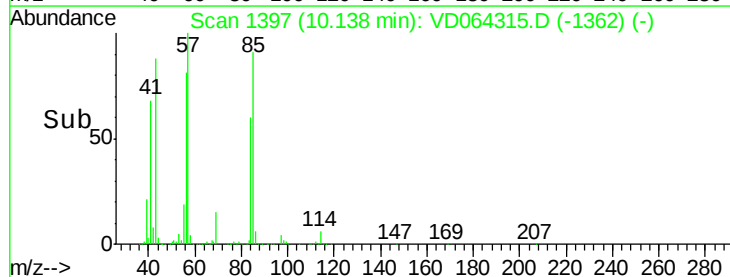
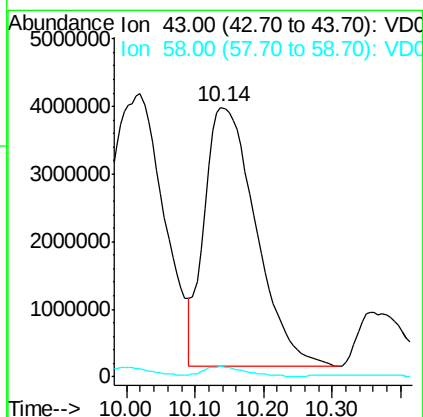
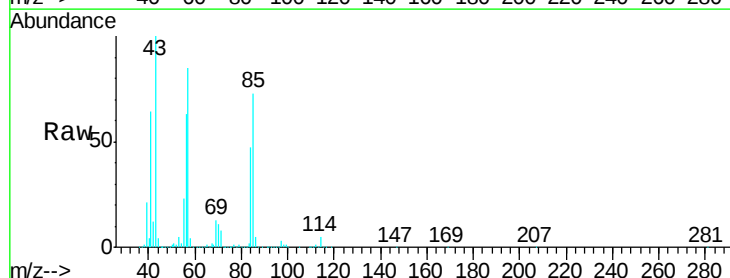
Acq: 20 Nov 2019 16:15

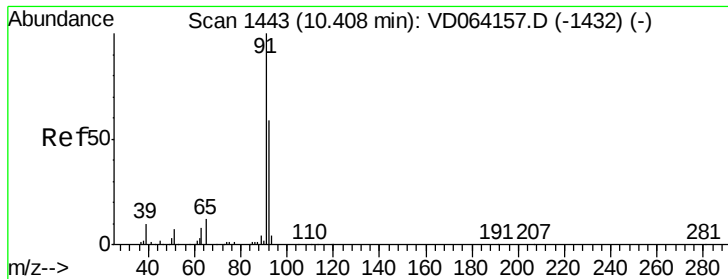
Tgt Ion: 43 Resp: 19938033

Ion Ratio Lower Upper

43 100

58 3.1 30.2 45.4#





#52

Toluene

Concen: 1.545 ug/l

RT: 10.36 min Scan# 1435

Delta R.T. -0.05 min

Lab File: VD064315.D

Acq: 20 Nov 2019 16:15

Instrument :

MSVOA_D

ClientSampleId :

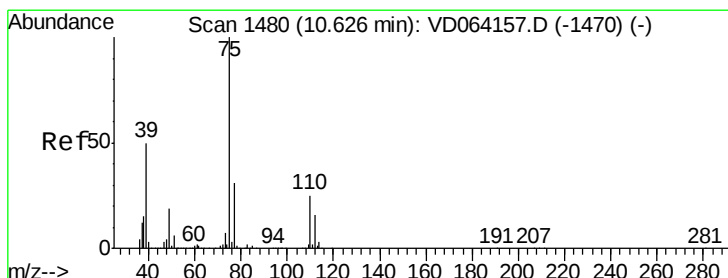
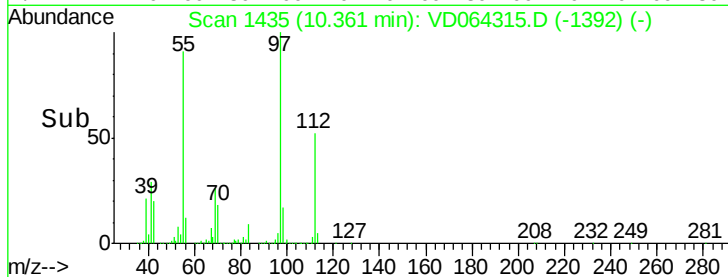
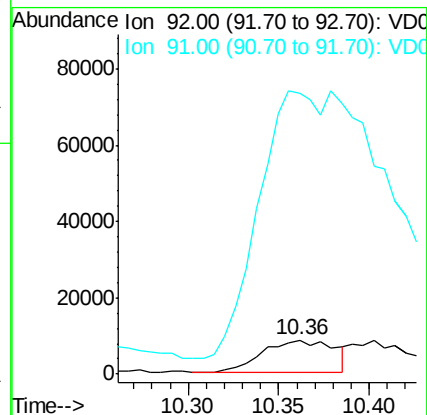
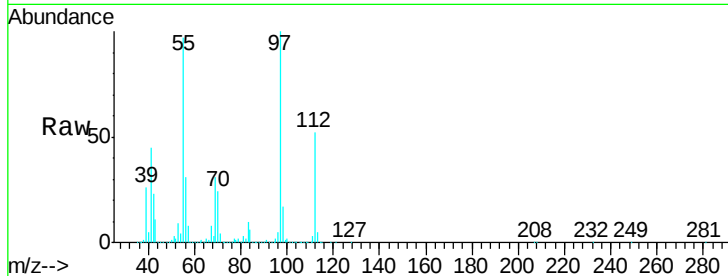
MW-1-(17-20)

Tgt Ion: 92 Resp: 23881

Ion Ratio Lower Upper

92 100

91 691.8 136.4 204.6#



#53

t-1,3-Dichloropropene

Concen: 2.555 ug/l

RT: 10.70 min Scan# 1493

Delta R.T. 0.08 min

Lab File: VD064315.D

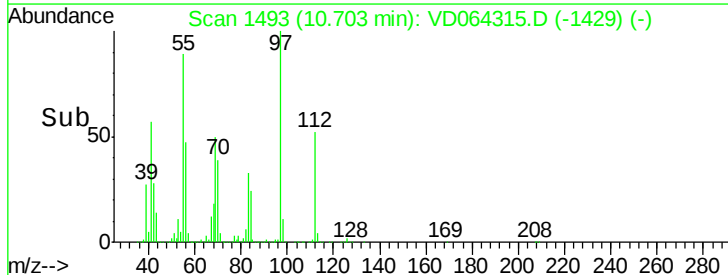
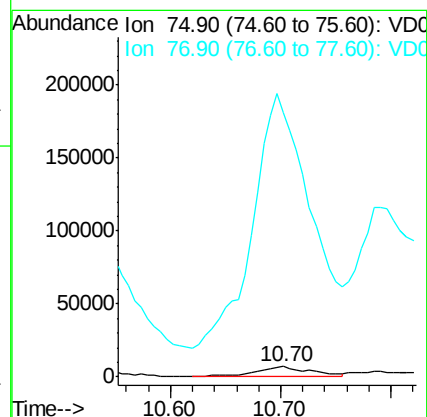
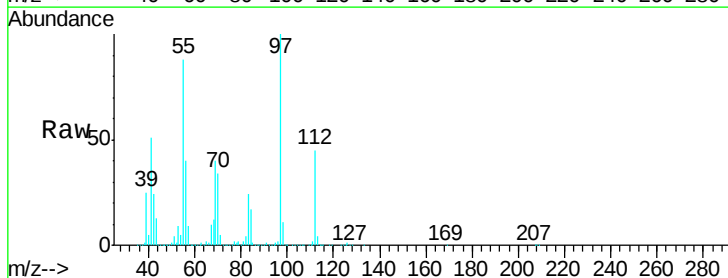
Acq: 20 Nov 2019 16:15

Tgt Ion: 75 Resp: 21118

Ion Ratio Lower Upper

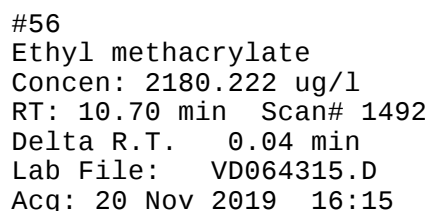
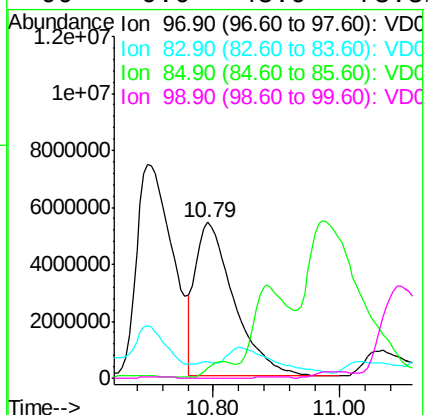
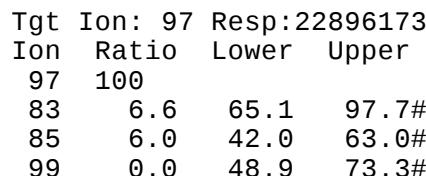
75 100

77 2493.3 24.7 37.1#

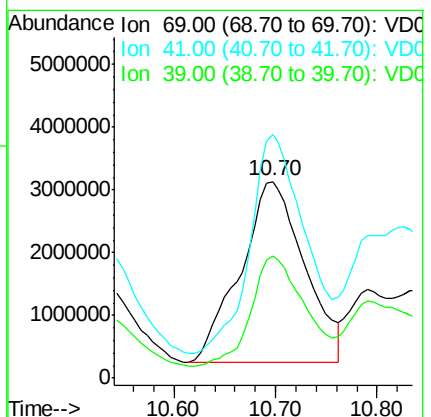


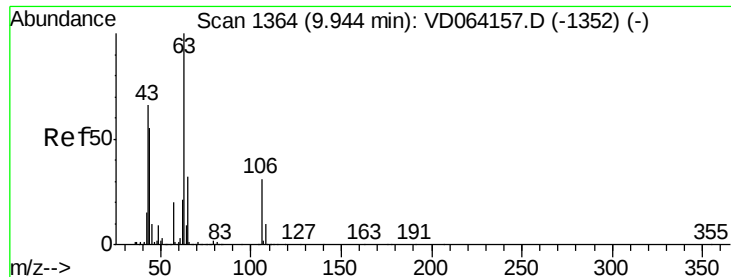


Instrument :
MSVOA_D
ClientSampleId :
MW-1-(17-20)



Tgt	Ion: 69	Resp:12670133	
Ion	Ratio	Lower	Upper
69	100		
41	103.5	57.9	86.9#
39	50.8	29.0	43.4#

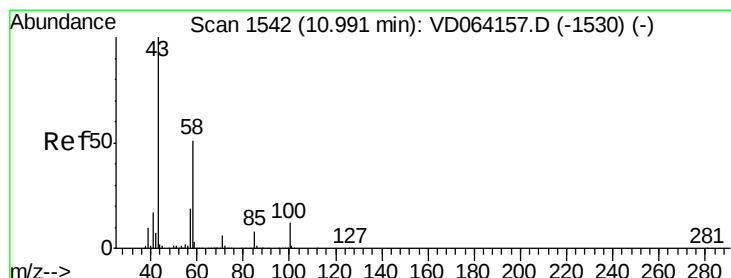
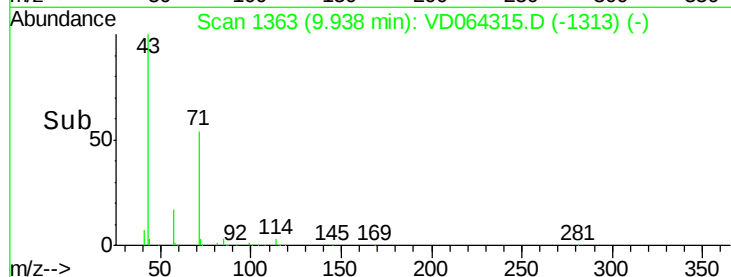
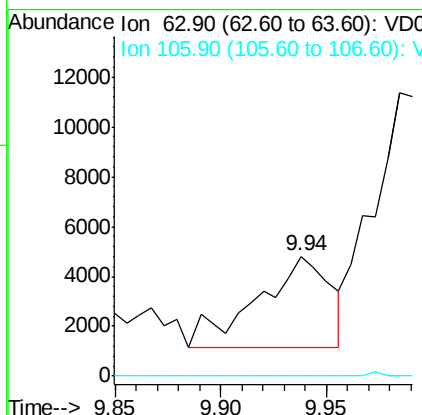
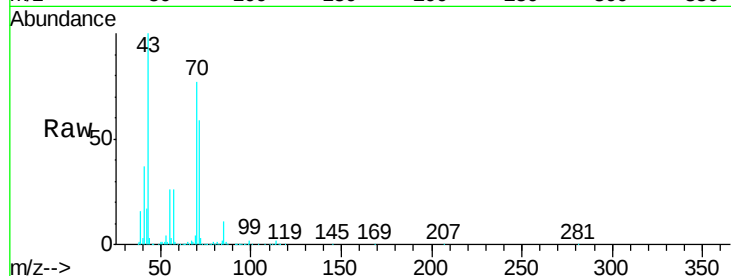




#58
 2-Chloroethyl Vinyl ether
 Concen: 3.719 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.01 min
 Lab File: VD064315.D
 Acq: 20 Nov 2019 16:15

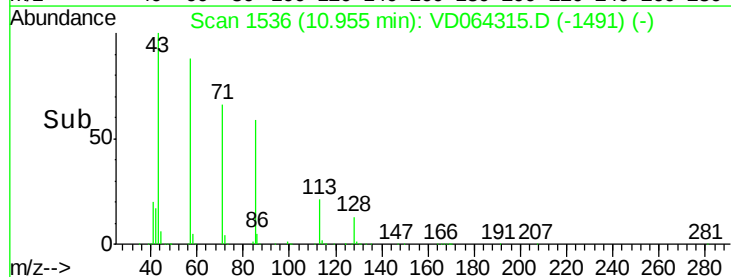
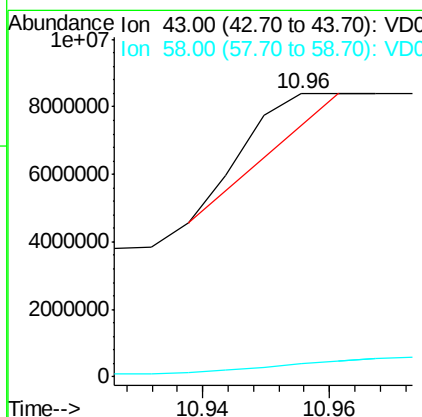
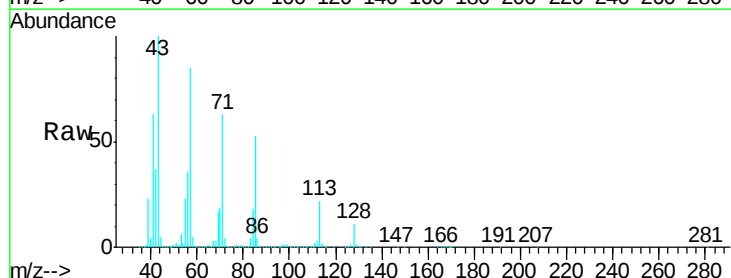
Instrument :
 MSVOA_D
 ClientSampleId :
 MW-1-(17-20)

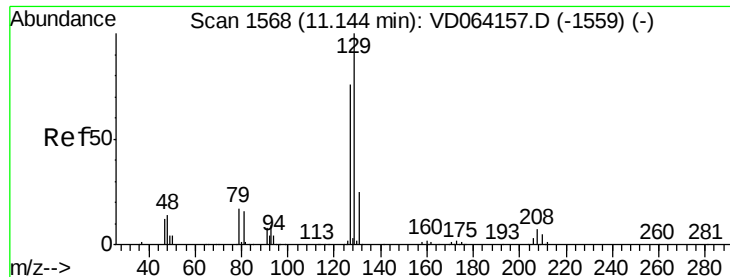
Tgt Ion: 63 Resp: 8754
 Ion Ratio Lower Upper
 63 100
 106 0.0 24.1 36.1#



#59
 2-Hexanone
 Concen: 744.694 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. -0.04 min
 Lab File: VD064315.D
 Acq: 20 Nov 2019 16:15

Tgt Ion: 43 Resp: 1897728
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.9 77.7#





#60

Dibromochloromethane

Concen: 118.103 ug/l

RT: 10.98 min Scan# 1540

Delta R.T. -0.16 min

Lab File: VD064315.D

Acq: 20 Nov 2019 16:15

Instrument :

MSVOA_D

ClientSampleId :

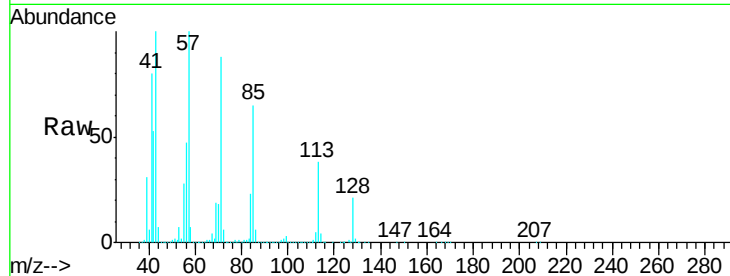
MW-1-(17-20)

Tgt Ion:129 Resp: 684626

Ion Ratio Lower Upper

129 100

127 18.1 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.98

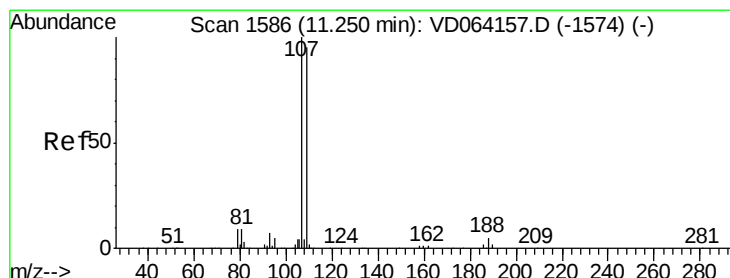
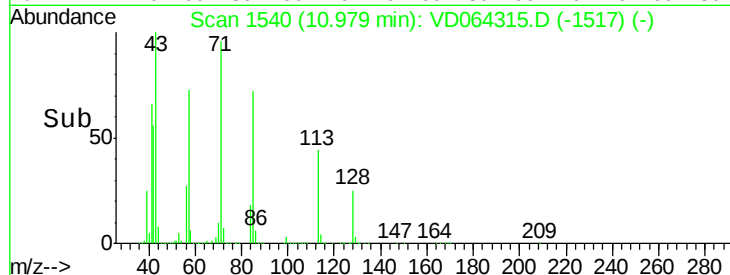
150000

100000

50000

0

Time-->



#61

1,2-Dibromoethane

Concen: 7.447 ug/l

RT: 11.27 min Scan# 1589

Delta R.T. 0.02 min

Lab File: VD064315.D

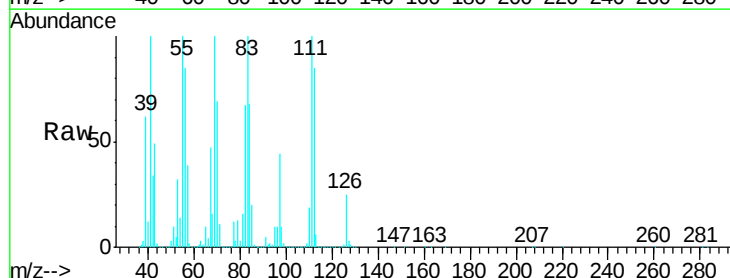
Acq: 20 Nov 2019 16:15

Tgt Ion:107 Resp: 30987

Ion Ratio Lower Upper

107 100

109 717.9 75.1 112.7#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

200000

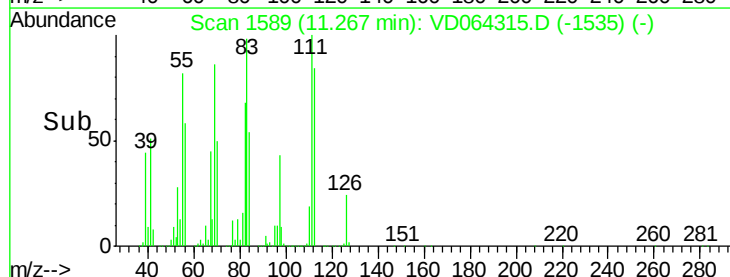
150000

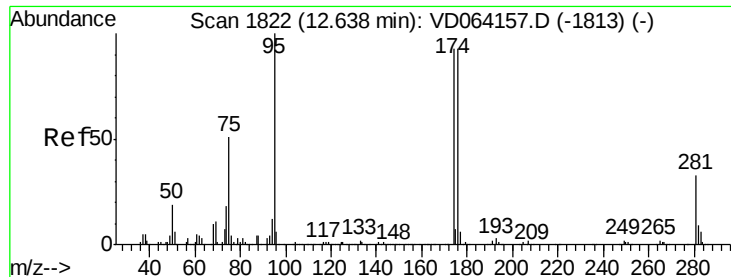
100000

50000

0

Time-->

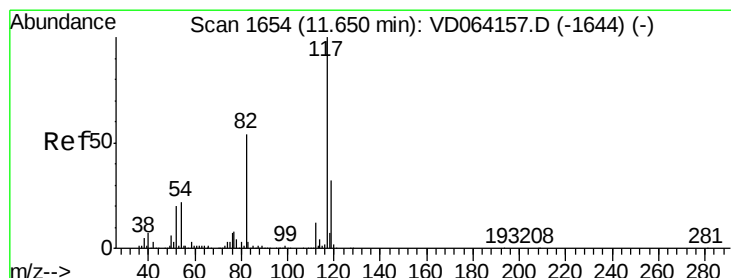
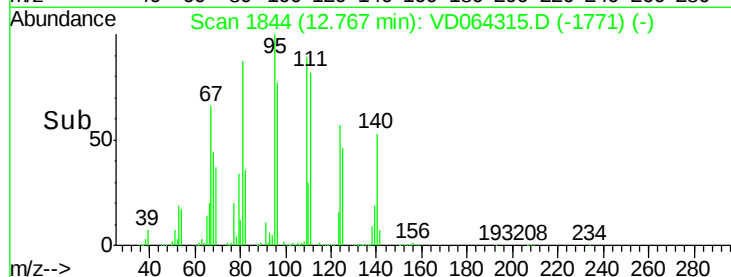
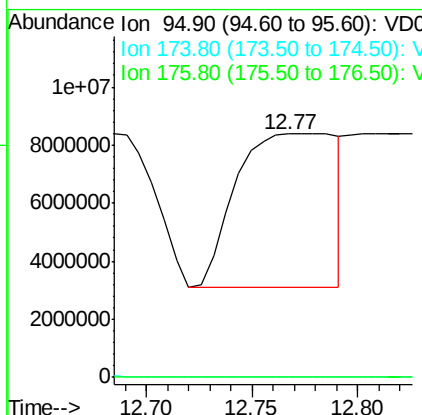
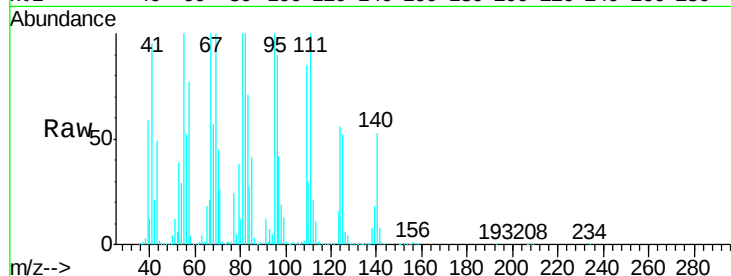




#62
4-Bromofluorobenzene
Concen: 2474.295 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.13 min
Lab File: VD064315.D
Acq: 20 Nov 2019 16:15

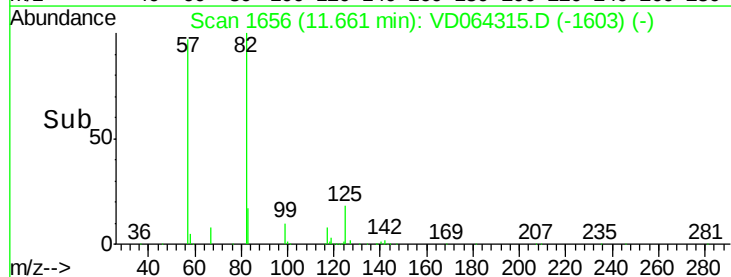
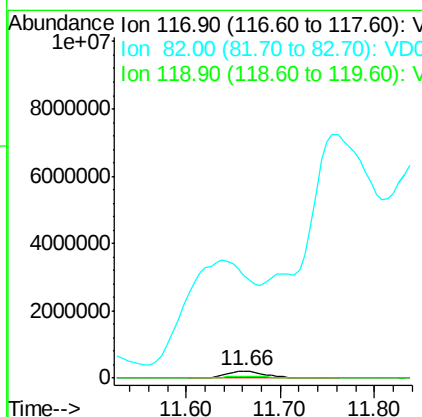
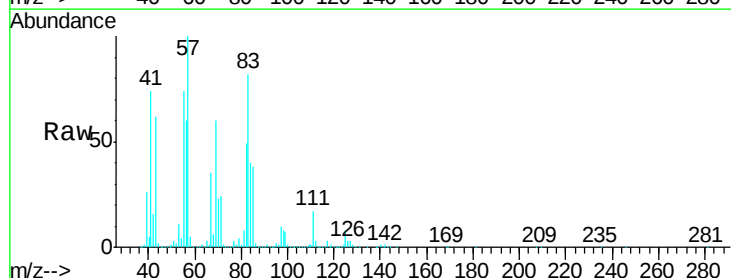
Instrument :
MSVOA_D
ClientSampleId :
MW-1-(17-20)

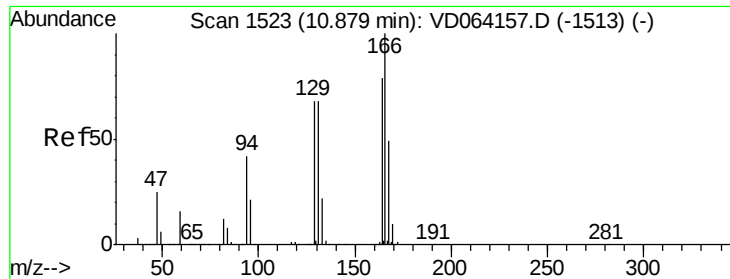
Tgt Ion: 95 Resp:17288377
Ion Ratio Lower Upper
95 100
174 0.0 0.0 183.6
176 0.0 0.0 180.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.66 min Scan# 1656
Delta R.T. 0.01 min
Lab File: VD064315.D
Acq: 20 Nov 2019 16:15

Tgt Ion:117 Resp: 605742
Ion Ratio Lower Upper
117 100
82 272.2 42.8 64.2#
119 31.7 25.6 38.4





#64

Tetrachloroethene

Concen: 27.708 ug/l

RT: 10.89 min Scan# 1525

Delta R.T. 0.01 min

Lab File: VD064315.D

Acq: 20 Nov 2019 16:15

Instrument :

MSVOA_D

ClientSampleId :

MW-1-(17-20)

Tgt Ion:164 Resp: 129084

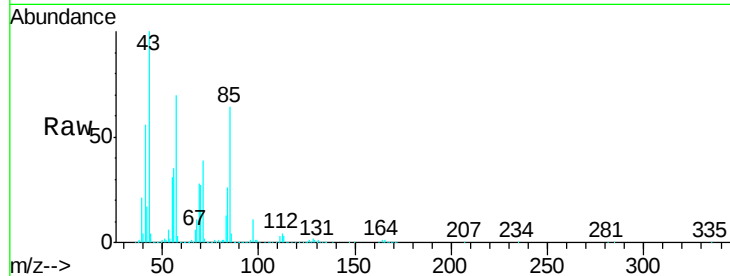
Ion Ratio Lower Upper

164 100

166 127.4 100.8 151.2

129 102.8 68.7 103.1

131 83.0 68.1 102.1

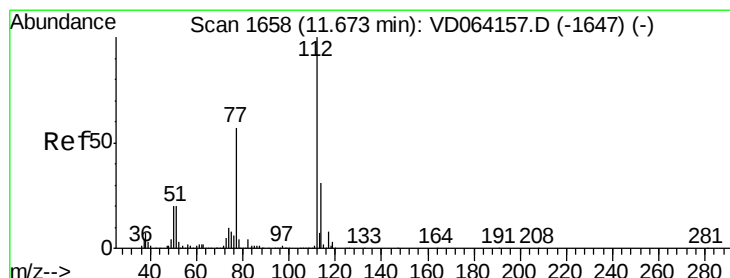
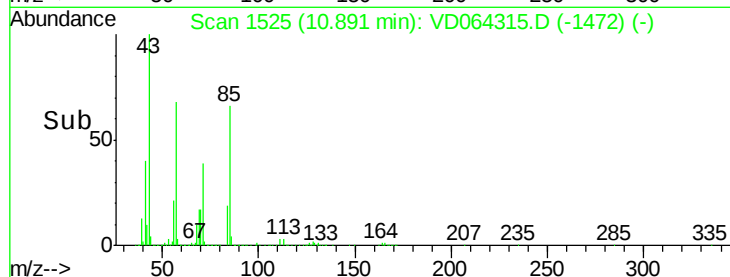
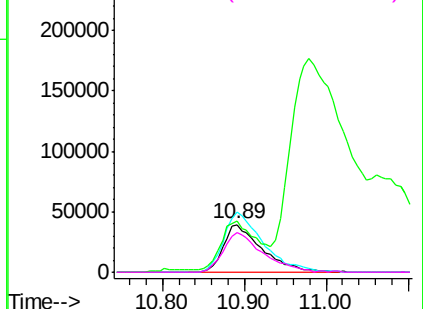


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 673.473 ug/l

RT: 11.83 min Scan# 1684

Delta R.T. 0.15 min

Lab File: VD064315.D

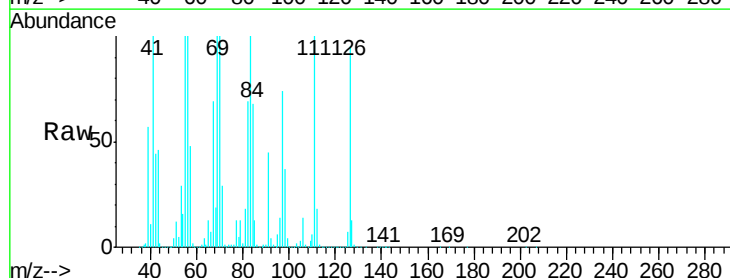
Acq: 20 Nov 2019 16:15

Tgt Ion:112 Resp: 8295711

Ion Ratio Lower Upper

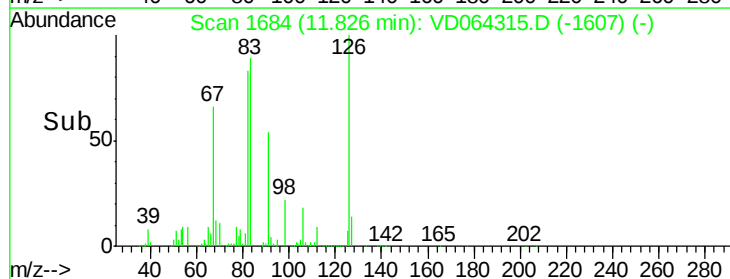
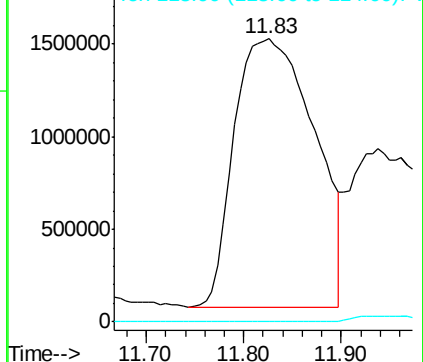
112 100

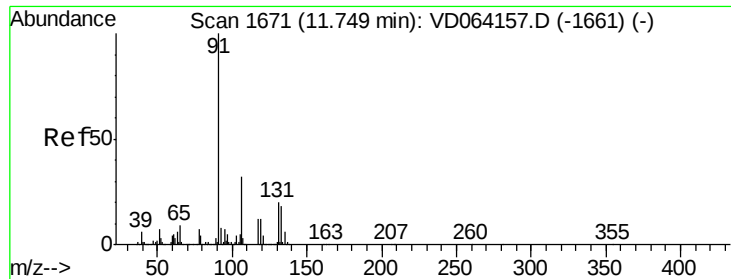
114 0.1 25.2 37.8#



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#67

Ethyl Benzene

Concen: 92.684 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.11 min

Lab File: VD064315.D

Acq: 20 Nov 2019 16:15

Instrument :

MSVOA_D

ClientSampleId :

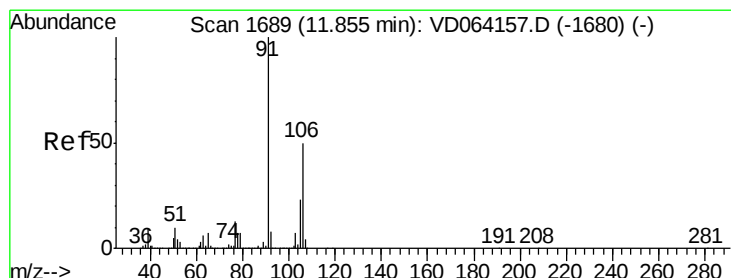
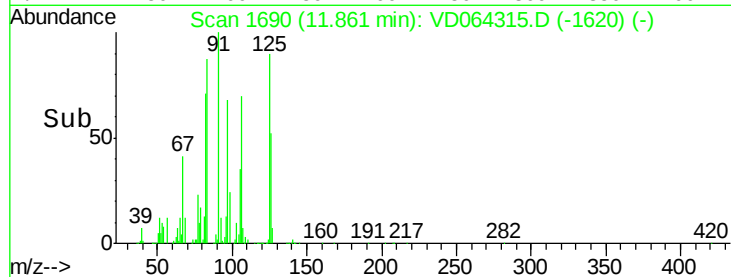
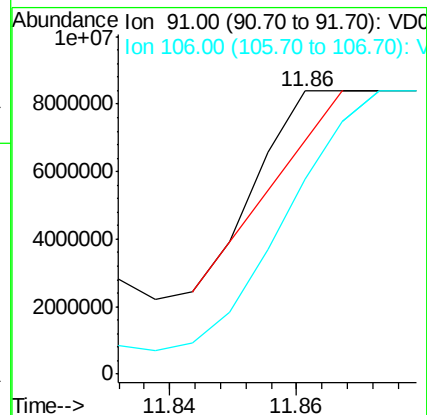
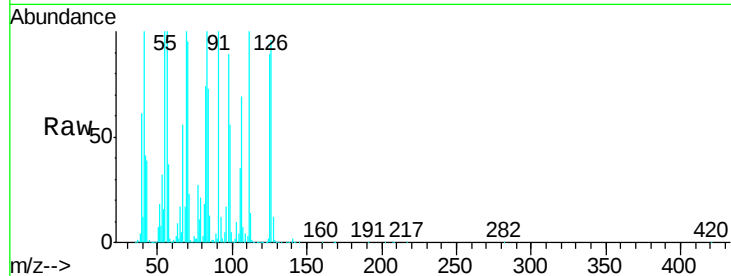
MW-1-(17-20)

Tgt Ion: 91 Resp: 2065072

Ion Ratio Lower Upper

91 100

106 81.6 25.5 38.3#



#68

m/p-Xylenes

Concen: 384.345 ug/l

RT: 11.87 min Scan# 1692

Delta R.T. 0.02 min

Lab File: VD064315.D

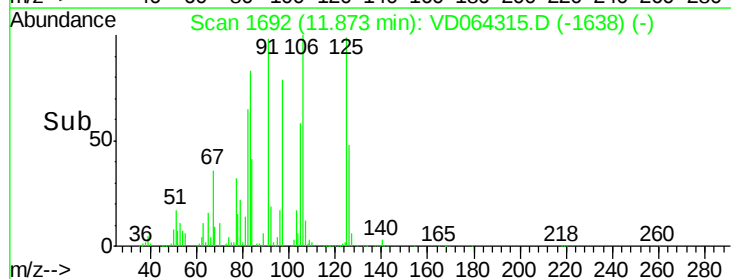
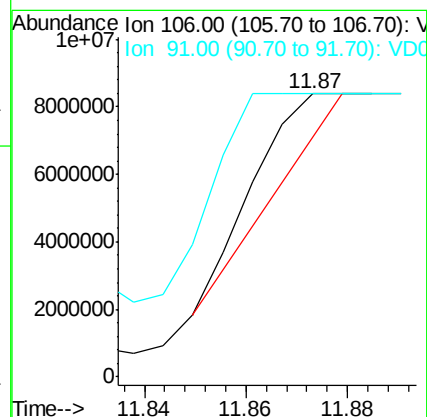
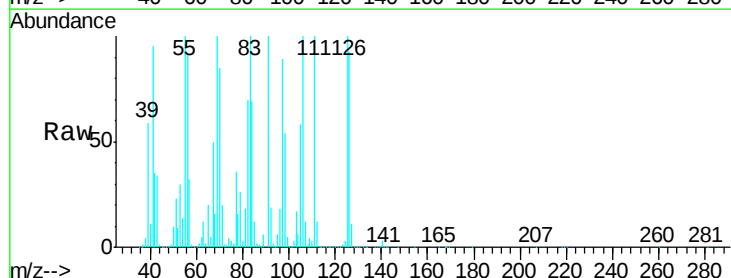
Acq: 20 Nov 2019 16:15

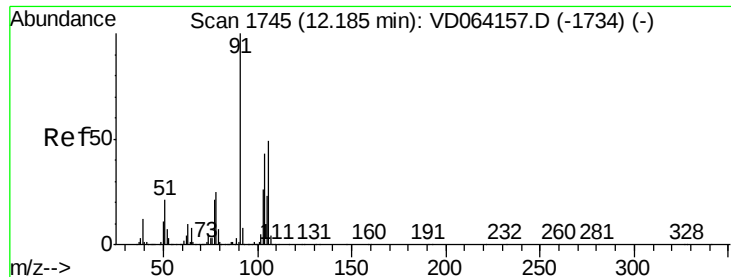
Tgt Ion: 106 Resp: 3282414

Ion Ratio Lower Upper

106 100

91 62.9 160.3 240.5#

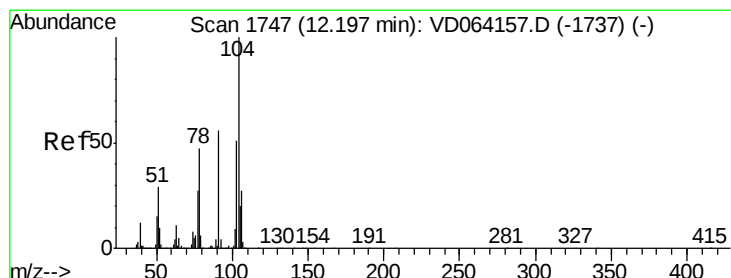
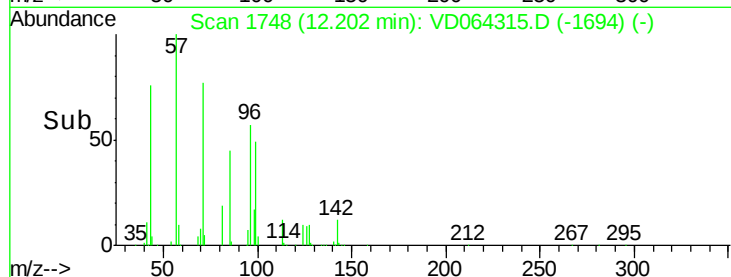
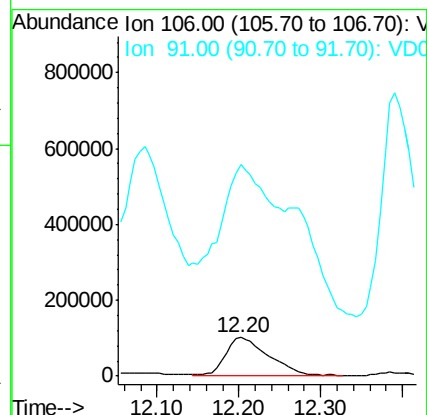
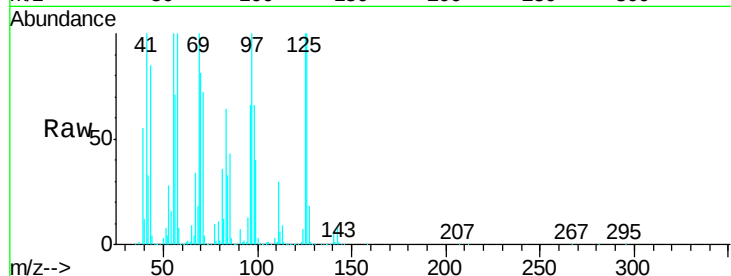




#69
o-Xylene
Concen: 45.968 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.02 min
Lab File: VD064315.D
Acq: 20 Nov 2019 16:15

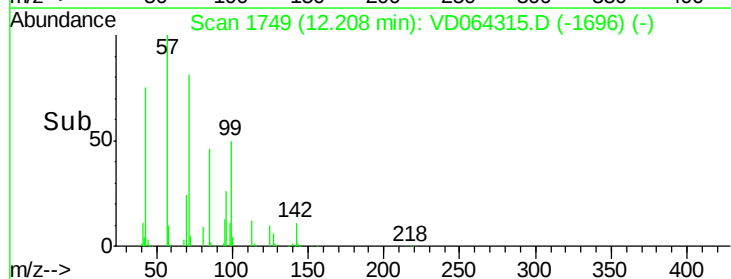
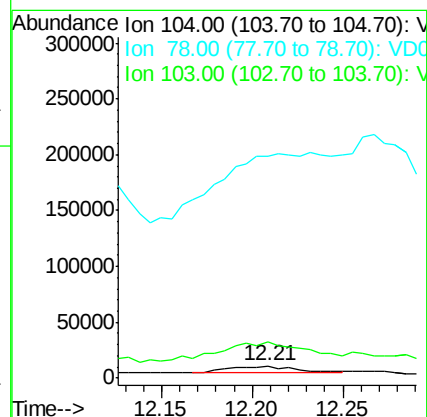
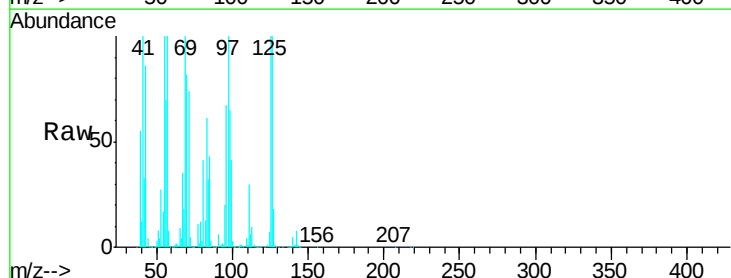
Instrument :
MSVOA_D
ClientSampleId :
MW-1-(17-20)

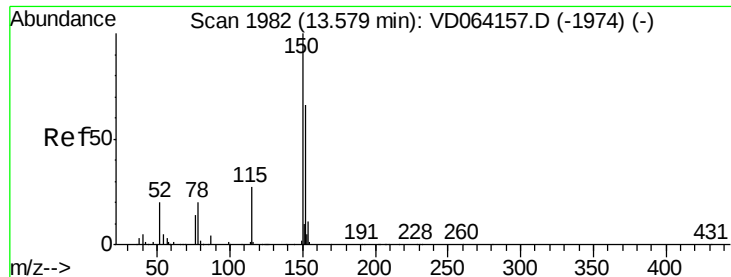
Tgt Ion:106 Resp: 364093
Ion Ratio Lower Upper
106 100
91 274.0 105.1 315.3



#70
Styrene
Concen: 1.218 ug/l
RT: 12.21 min Scan# 1749
Delta R.T. 0.01 min
Lab File: VD064315.D
Acq: 20 Nov 2019 16:15

Tgt Ion:104 Resp: 16838
Ion Ratio Lower Upper
104 100
78 0.0 39.9 59.9#
103 313.7 43.4 65.0#



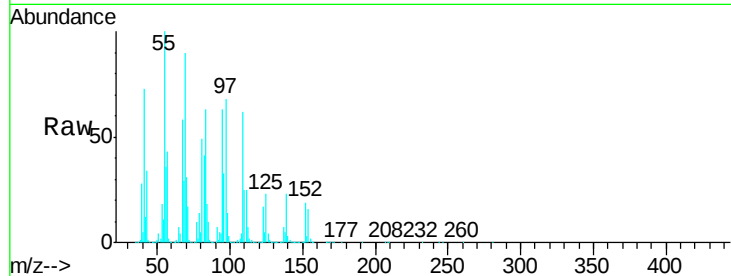


#72

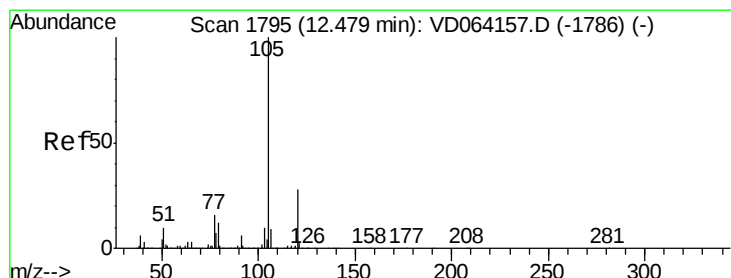
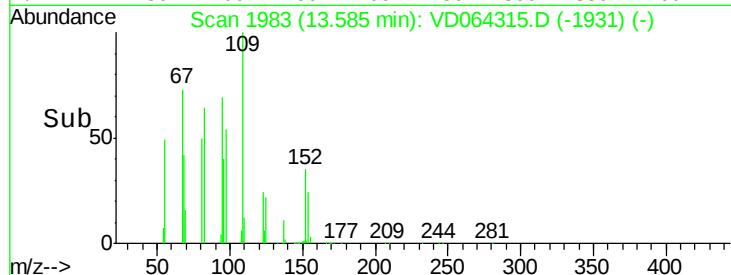
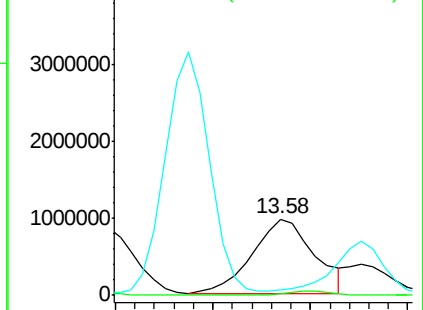
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064315.D
Acq: 20 Nov 2019 16:15

Instrument :
MSVOA_D
ClientSampleId :
MW-1-(17-20)

Tgt Ion:152 Resp: 2105076
Ion Ratio Lower Upper
152 100
115 0.0 27.4 82.2#
150 4.1 0.0 351.6



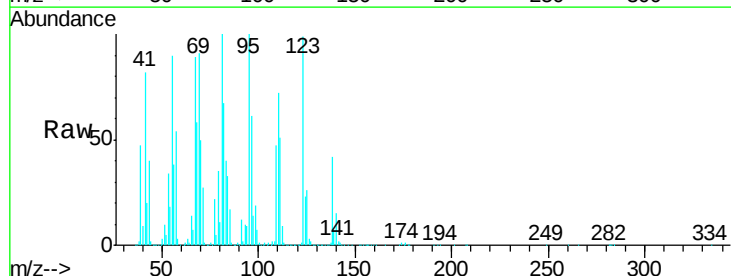
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



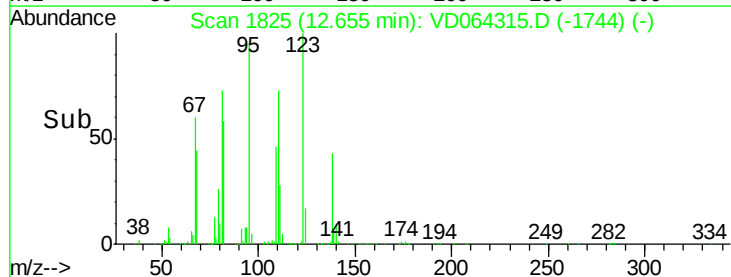
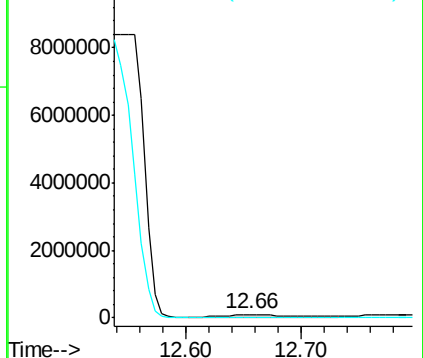
#73

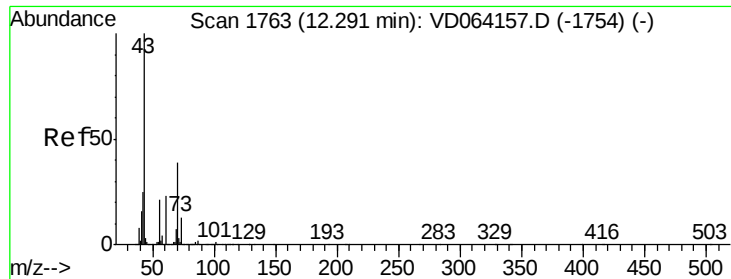
Isopropylbenzene
Concen: 1.707 ug/l
RT: 12.66 min Scan# 1825
Delta R.T. 0.18 min
Lab File: VD064315.D
Acq: 20 Nov 2019 16:15

Tgt Ion:105 Resp: 263756
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.8#



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





#74

N-amy1 acetate

Concen: 529.195 ug/l

RT: 12.45 min Scan# 1790

Delta R.T. 0.16 min

Lab File: VD064315.D

Acq: 20 Nov 2019 16:15

Instrument :

MSVOA_D

ClientSampleId :

MW-1-(17-20)

Tgt Ion: 43 Resp:19308974

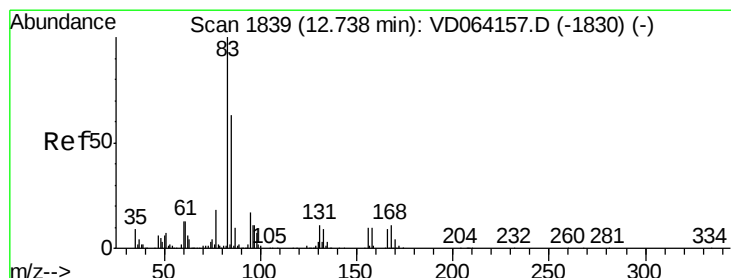
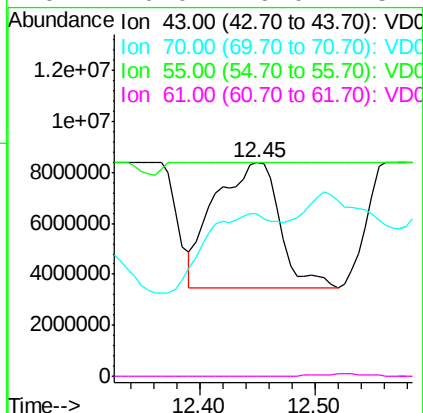
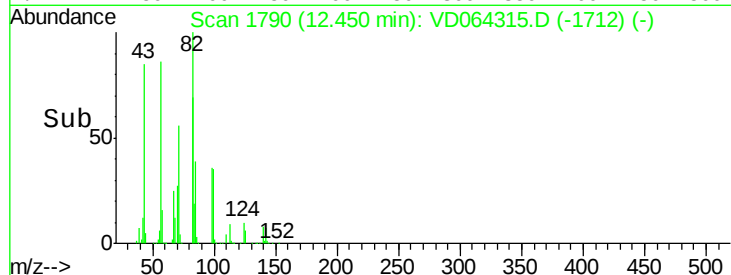
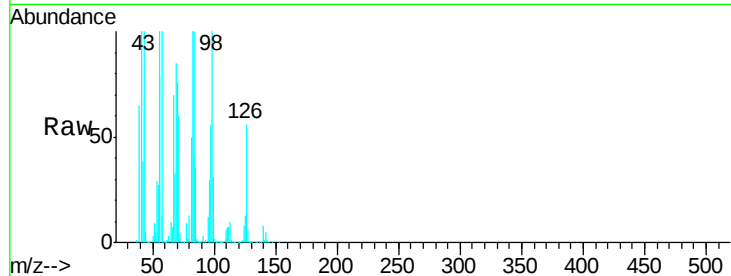
Ion Ratio Lower Upper

43 100

70 71.8 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: 233.711 ug/l

RT: 12.76 min Scan# 1842

Delta R.T. 0.02 min

Lab File: VD064315.D

Acq: 20 Nov 2019 16:15

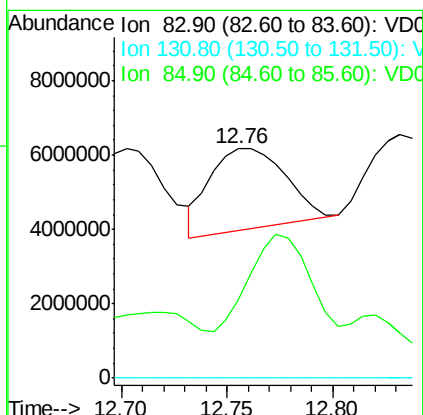
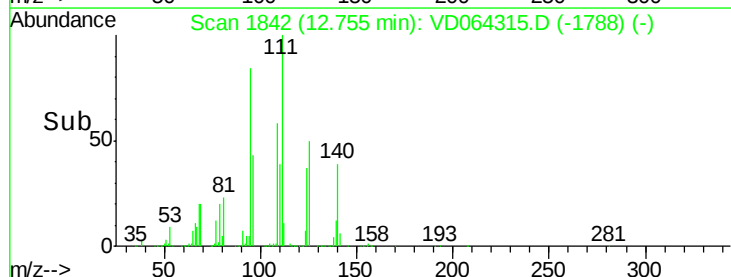
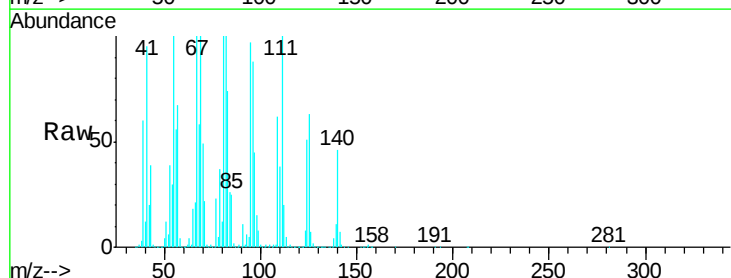
Tgt Ion: 83 Resp: 5441297

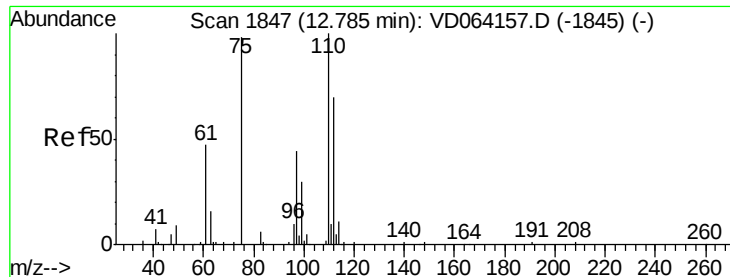
Ion Ratio Lower Upper

83 100

131 0.0 5.9 17.7#

85 90.8 32.5 97.5





#76

1,2,3-Trichloropropane

Concen: 5.817 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.02 min

Lab File: VD064315.D

Acq: 20 Nov 2019 16:15

Instrument :

MSVOA_D

ClientSampleId :

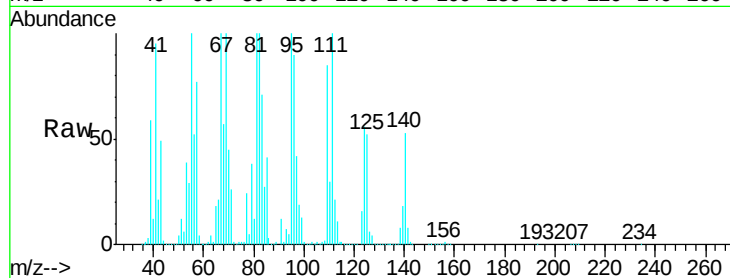
MW-1-(17-20)

Tgt Ion: 75 Resp: 98625

Ion Ratio Lower Upper

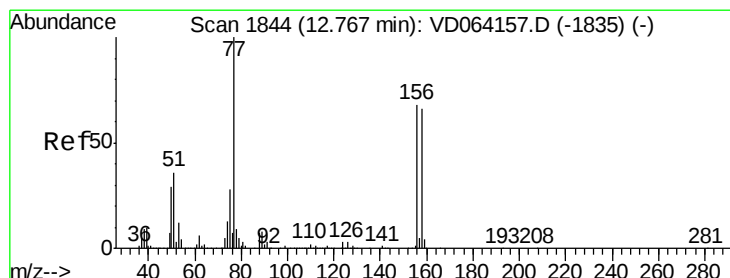
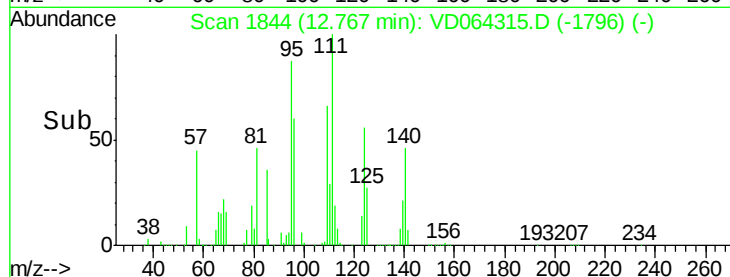
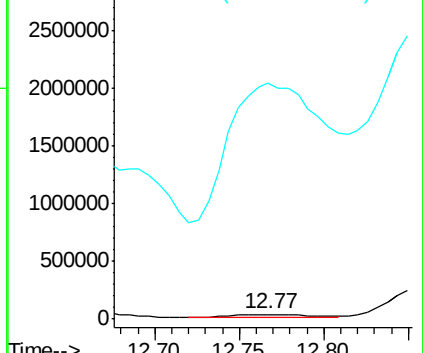
75 100

77 4903.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#77

Bromobenzene

Concen: 9.059 ug/l

RT: 12.78 min Scan# 1846

Delta R.T. 0.01 min

Lab File: VD064315.D

Acq: 20 Nov 2019 16:15

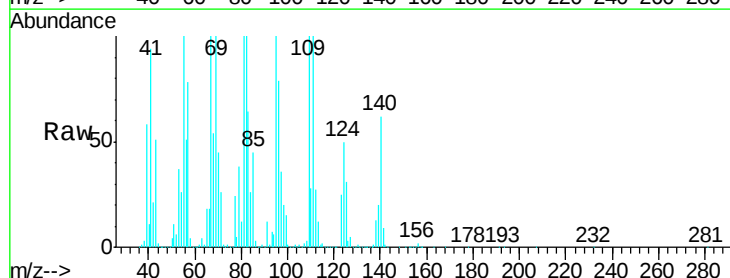
Tgt Ion: 156 Resp: 340054

Ion Ratio Lower Upper

156 100

77 1413.5 81.2 243.4#

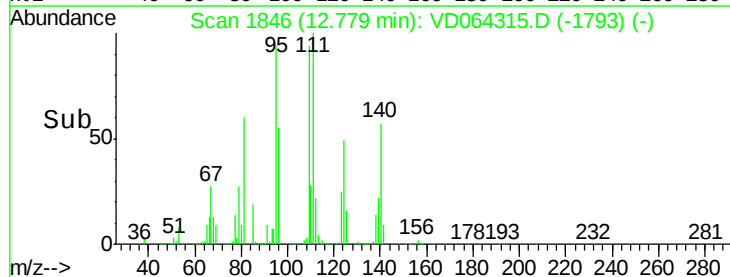
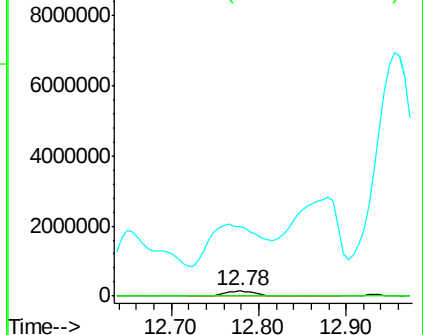
158 0.7 48.4 145.2#

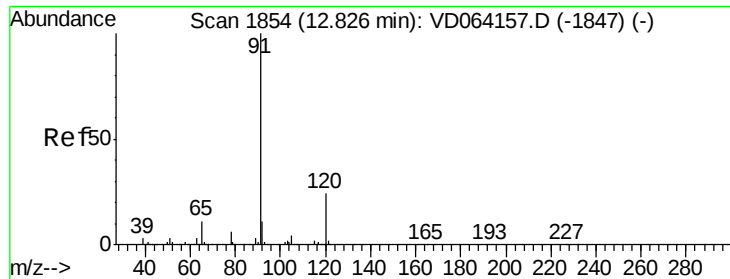


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 92.371 ug/l

RT: 12.96 min Scan# 1876

Delta R.T. 0.13 min

Lab File: VD064315.D

Acq: 20 Nov 2019 16:15

Instrument :

MSVOA_D

ClientSampleId :

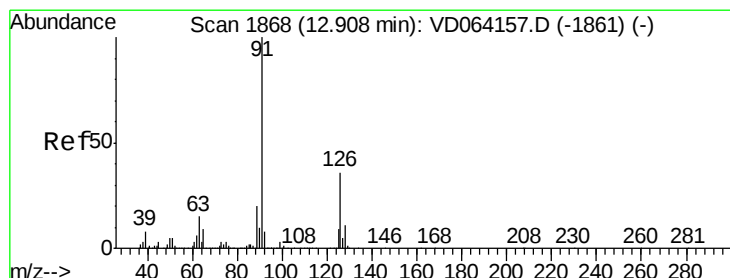
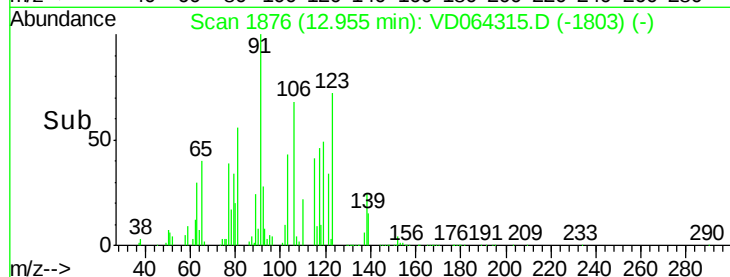
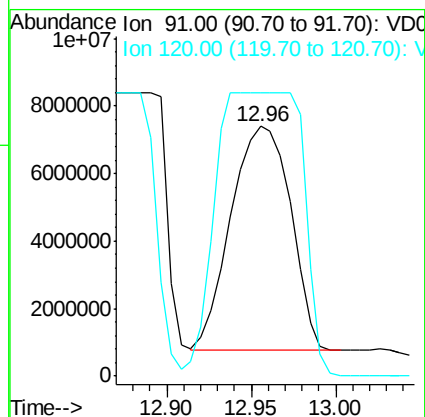
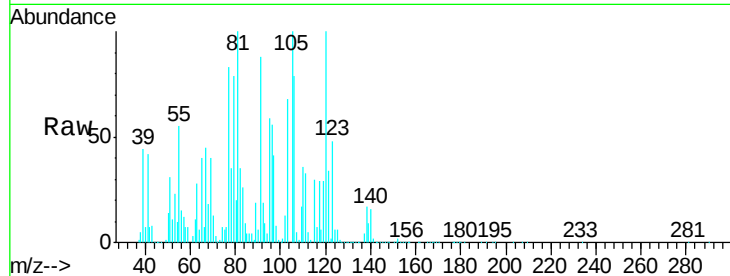
MW-1-(17-20)

Tgt Ion: 91 Resp:16306401

Ion Ratio Lower Upper

91 100

120 21.0 11.8 35.4



#79

2-Chlorotoluene

Concen: 163.610 ug/l

RT: 12.96 min Scan# 1876

Delta R.T. 0.05 min

Lab File: VD064315.D

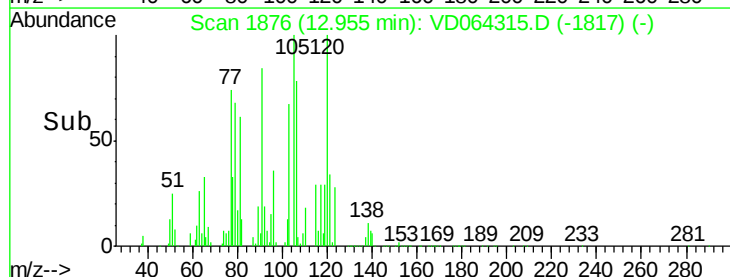
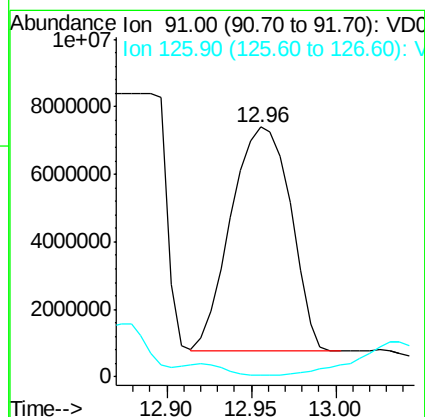
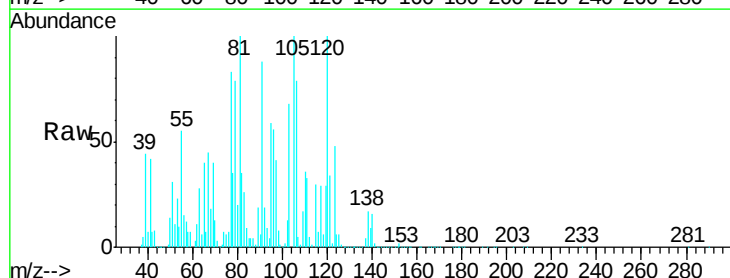
Acq: 20 Nov 2019 16:15

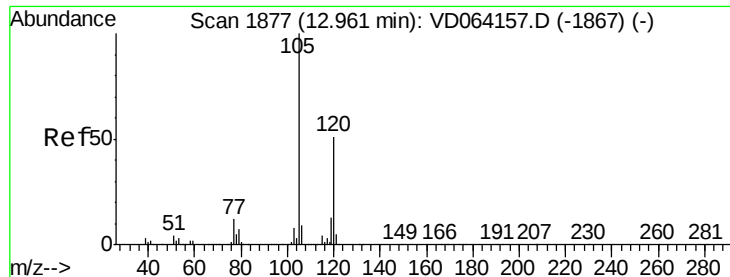
Tgt Ion: 91 Resp:16306401

Ion Ratio Lower Upper

91 100

126 0.0 17.7 53.1#

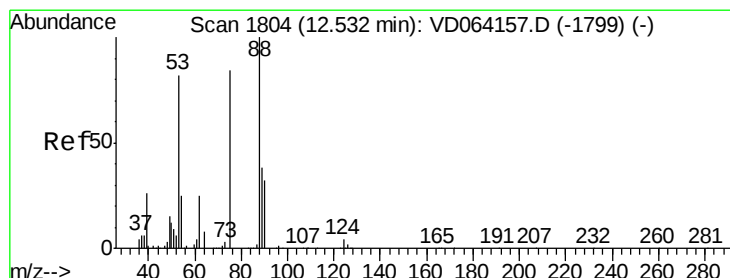
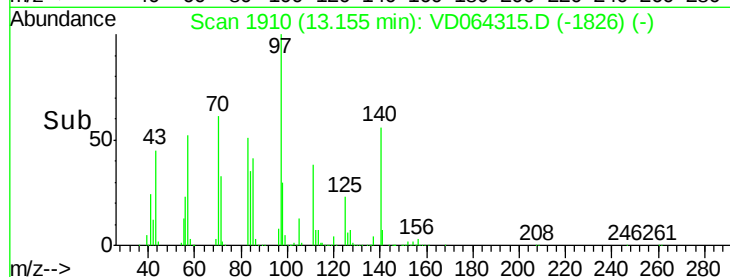
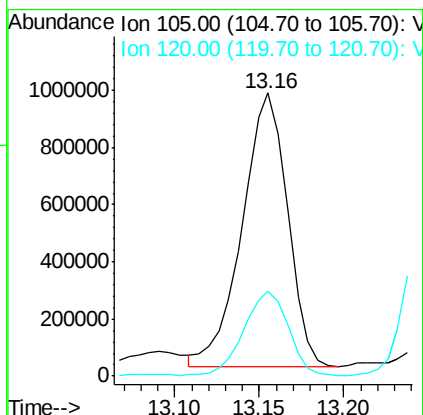
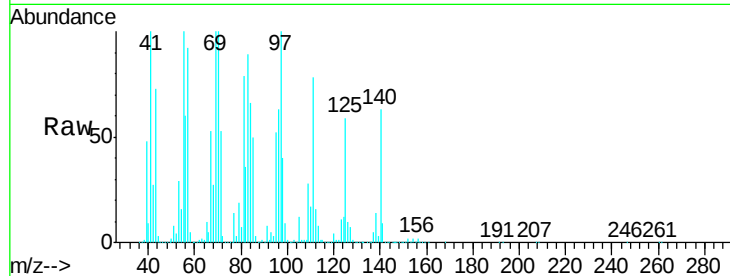




#80
 1,3,5-Trimethylbenzene
 Concen: 14.065 ug/l
 RT: 13.16 min Scan# 1910
 Delta R.T. 0.19 min
 Lab File: VD064315.D
 Acq: 20 Nov 2019 16:15

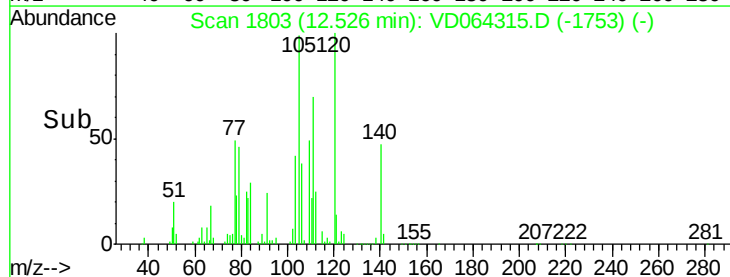
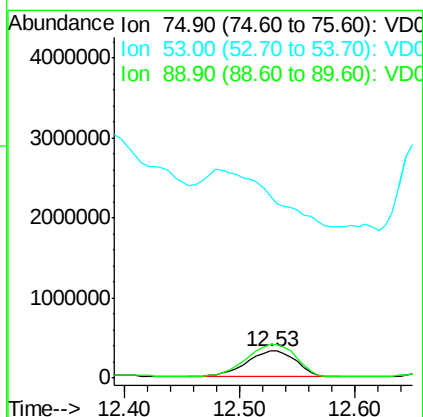
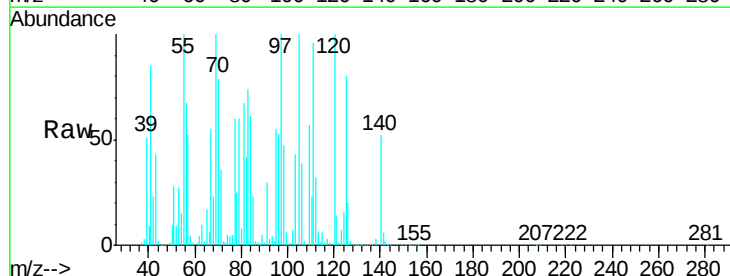
Instrument :
 MSVOA_D
 ClientSampleId :
 MW-1-(17-20)

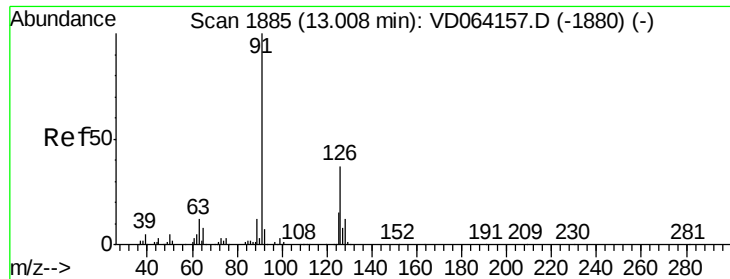
Tgt Ion: 105 Resp: 1785764
 Ion Ratio Lower Upper
 105 100
 120 30.0 25.4 76.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 116.781 ug/l
 RT: 12.53 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: VD064315.D
 Acq: 20 Nov 2019 16:15

Tgt Ion: 75 Resp: 996838
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.4 119.0#
 89 124.0 36.6 55.0#





#82

4-Chlorotoluene

Concen: 156.861 ug/l

RT: 12.96 min Scan# 1876

Delta R.T. -0.05 min

Lab File: VD064315.D

Acq: 20 Nov 2019 16:15

Instrument :

MSVOA_D

ClientSampleId :

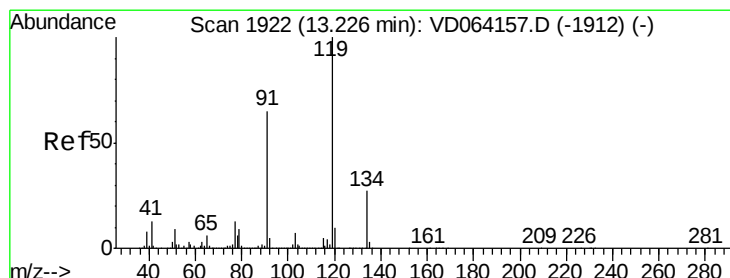
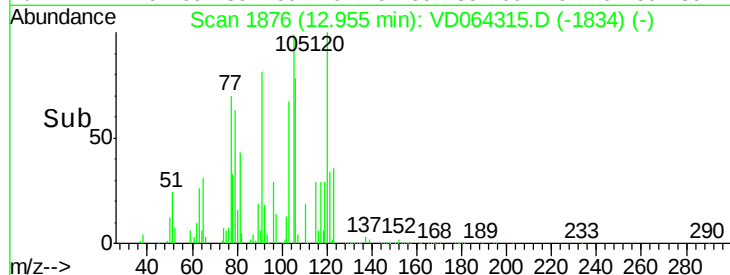
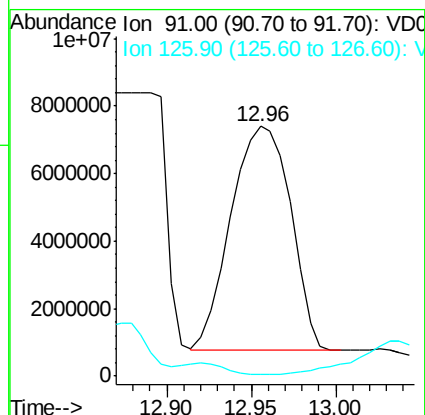
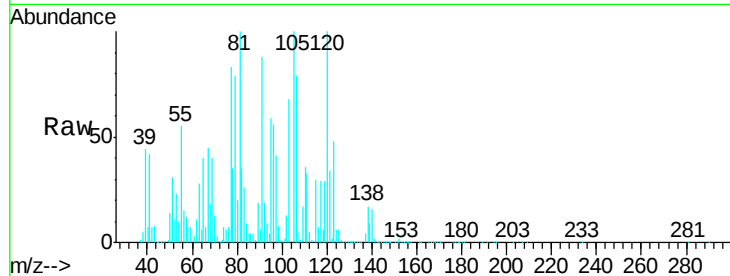
MW-1-(17-20)

Tgt Ion: 91 Resp:16306401

Ion Ratio Lower Upper

91 100

126 0.0 17.8 53.4#



#83

tert-Butylbenzene

Concen: 301.696 ug/l

RT: 13.28 min Scan# 1932

Delta R.T. 0.06 min

Lab File: VD064315.D

Acq: 20 Nov 2019 16:15

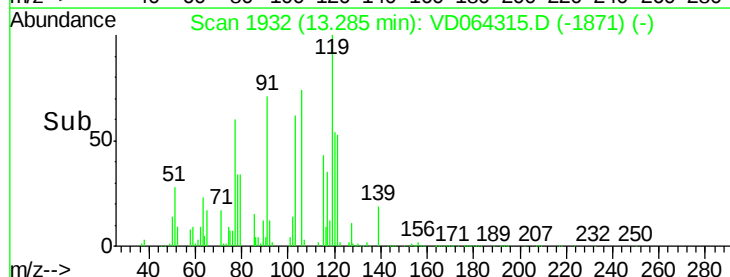
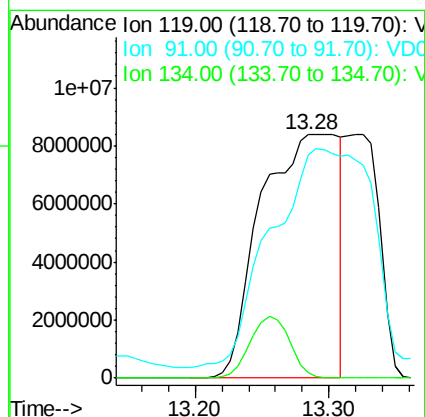
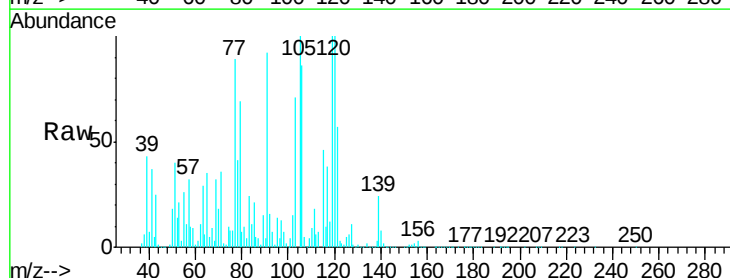
Tgt Ion:119 Resp:33775775

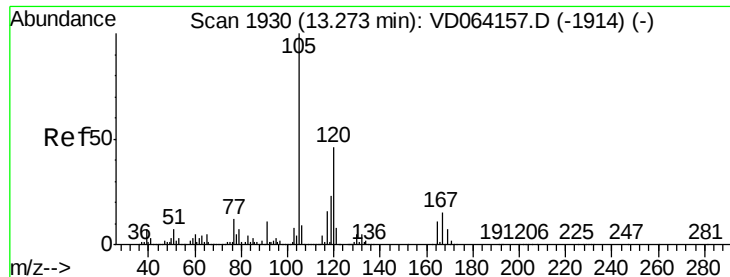
Ion Ratio Lower Upper

119 100

91 116.7 31.8 95.4#

134 0.0 13.7 41.0#





#84

1,2,4-Trimethylbenzene

Concen: 14.247 ug/l

RT: 13.16 min Scan# 1910

Delta R.T. -0.12 min

Lab File: VD064315.D

Acq: 20 Nov 2019 16:15

Instrument :

MSVOA_D

ClientSampleId :

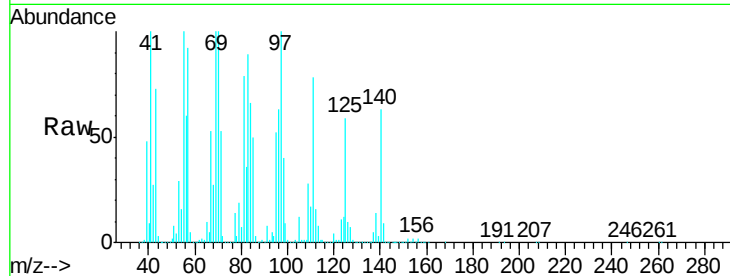
MW-1-(17-20)

Tgt Ion:105 Resp: 1785764

Ion Ratio Lower Upper

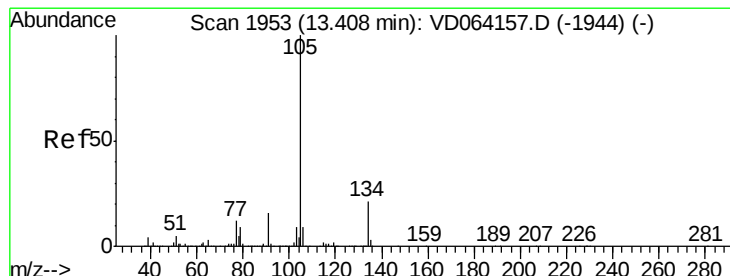
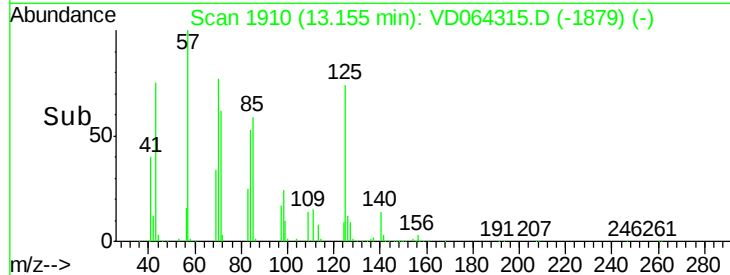
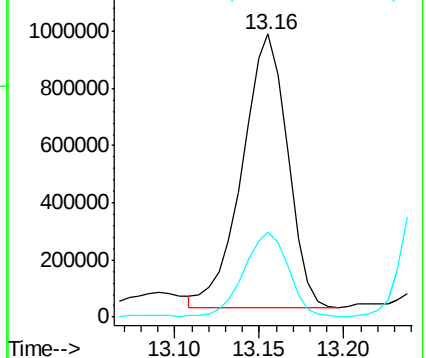
105 100

120 30.0 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: 15.761 ug/l

RT: 13.54 min Scan# 1975

Delta R.T. 0.13 min

Lab File: VD064315.D

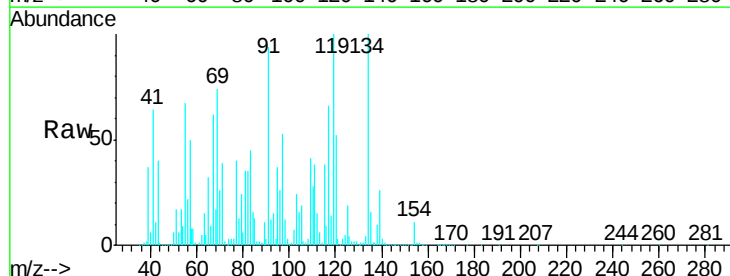
Acq: 20 Nov 2019 16:15

Tgt Ion:105 Resp: 2369887

Ion Ratio Lower Upper

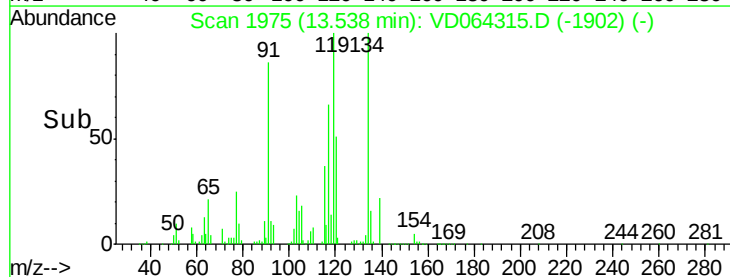
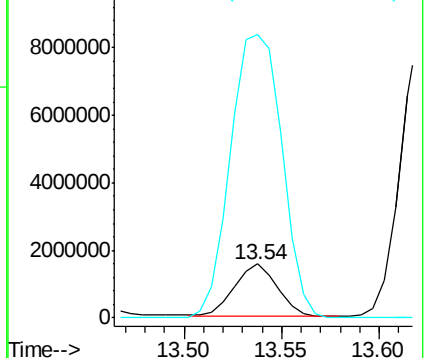
105 100

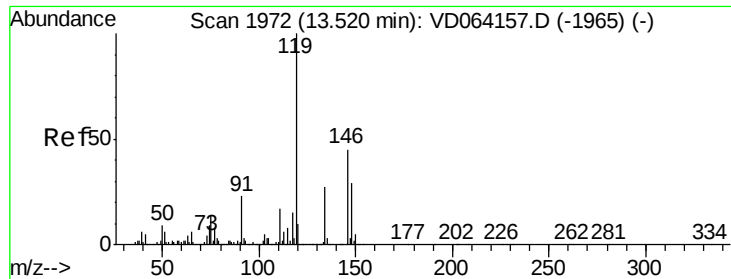
134 647.8 10.7 31.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

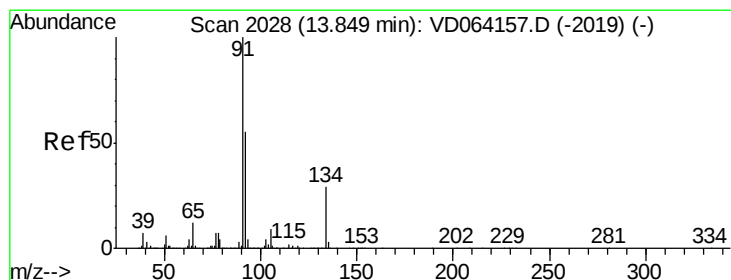
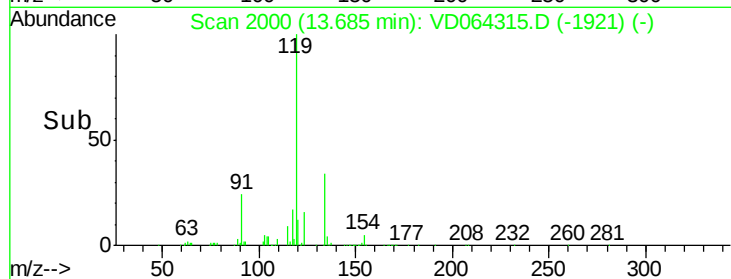
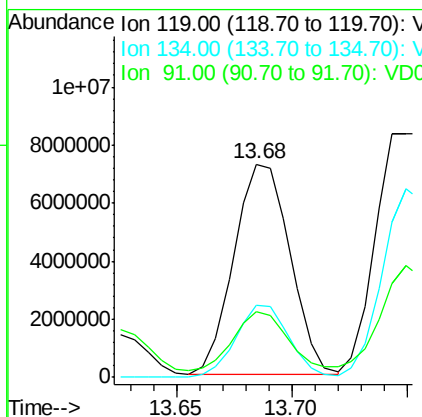
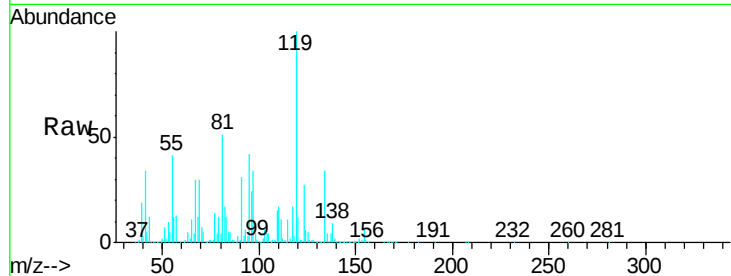




#86
 p-Isopropyltoluene
 Concen: 85.594 ug/l
 RT: 13.68 min Scan# 2000
 Delta R.T. 0.16 min
 Lab File: VD064315.D
 Acq: 20 Nov 2019 16:15

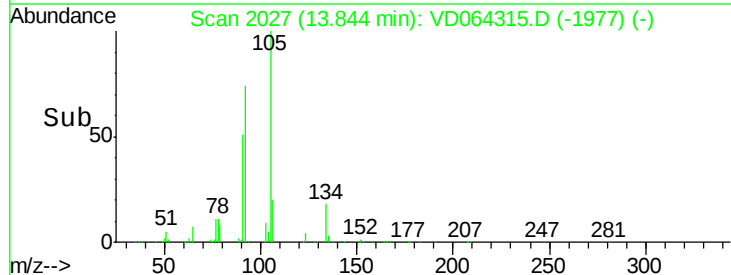
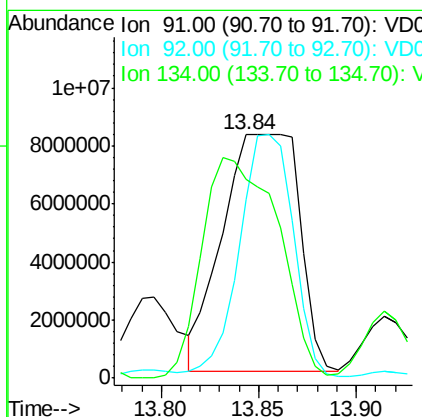
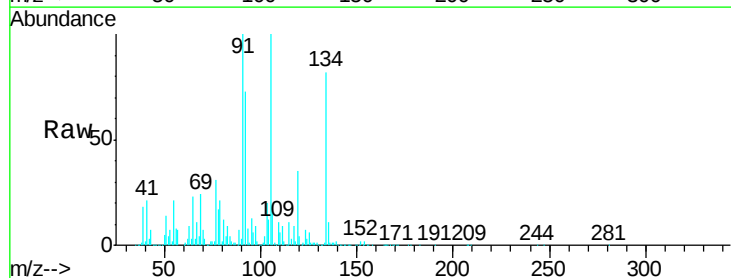
Instrument :
 MSVOA_D
 ClientSampled :
 MW-1-(17-20)

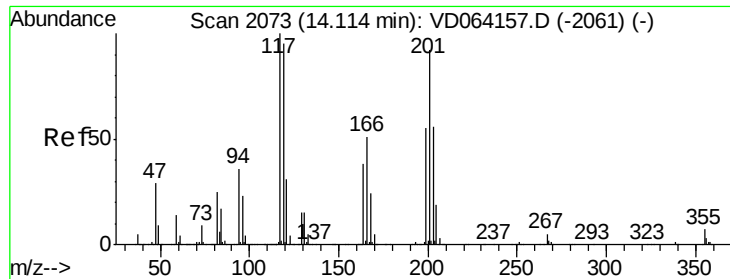
Tgt Ion:119 Resp:12235674
 Ion Ratio Lower Upper
 119 100
 134 32.8 13.5 40.5
 91 26.9 11.5 34.4



#89
 n-Butylbenzene
 Concen: 171.533 ug/l
 RT: 13.84 min Scan# 2027
 Delta R.T. -0.01 min
 Lab File: VD064315.D
 Acq: 20 Nov 2019 16:15

Tgt Ion: 91 Resp:22153075
 Ion Ratio Lower Upper
 91 100
 92 72.5 27.3 81.8
 134 0.0 14.1 42.4#

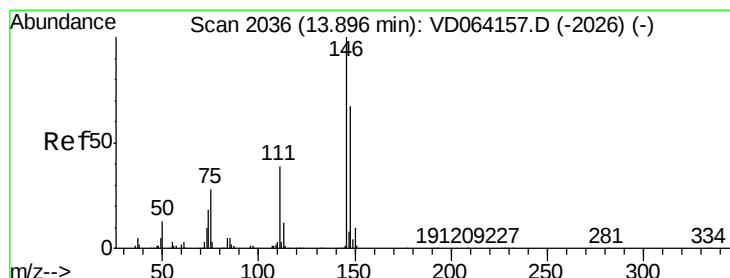
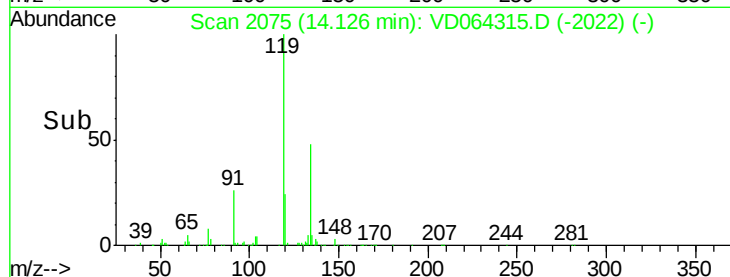
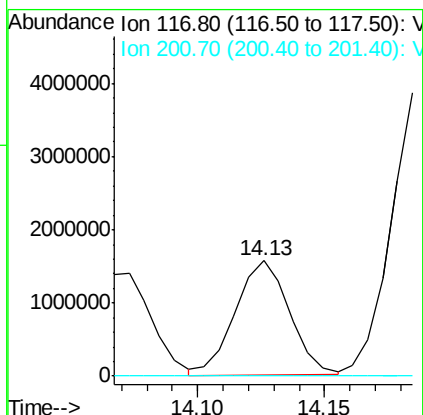
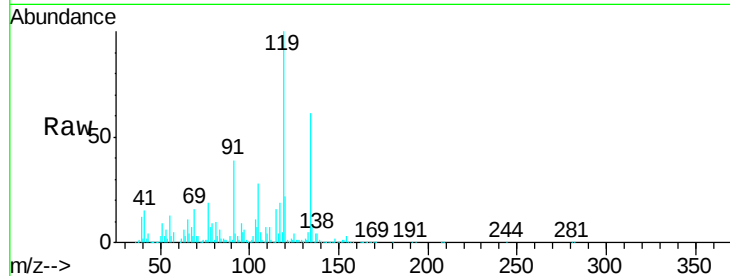




#90
Hexachloroethane
Concen: 88.345 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD064315.D
Acq: 20 Nov 2019 16:15

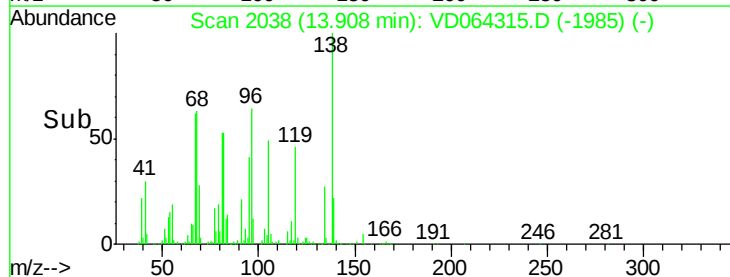
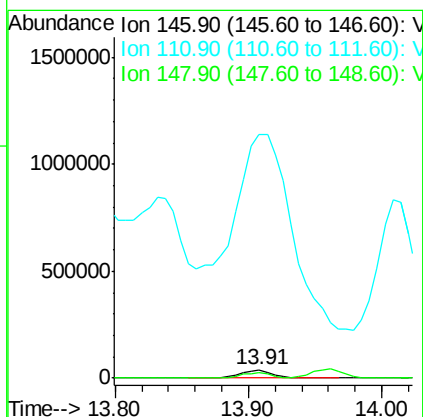
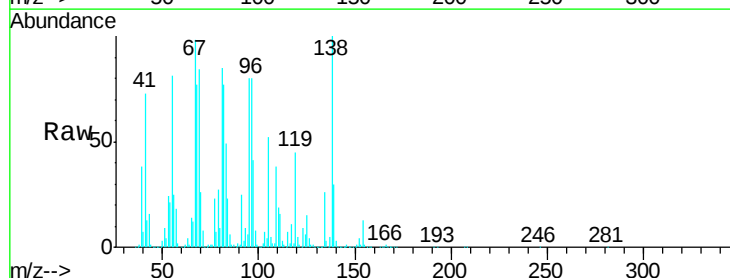
Instrument :
MSVOA_D
ClientSampleId :
MW-1-(17-20)

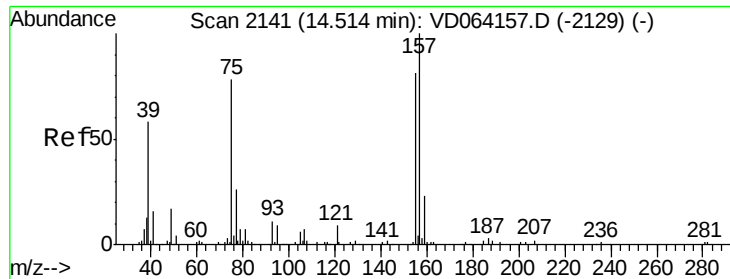
Tgt Ion:117 Resp: 2333954
Ion Ratio Lower Upper
117 100
201 0.0 45.8 137.4#



#91
1,2-Dichlorobenzene
Concen: 1.066 ug/l
RT: 13.91 min Scan# 2038
Delta R.T. 0.01 min
Lab File: VD064315.D
Acq: 20 Nov 2019 16:15

Tgt Ion:146 Resp: 62863
Ion Ratio Lower Upper
146 100
111 4211.3 19.7 59.0#
148 65.6 32.3 96.8

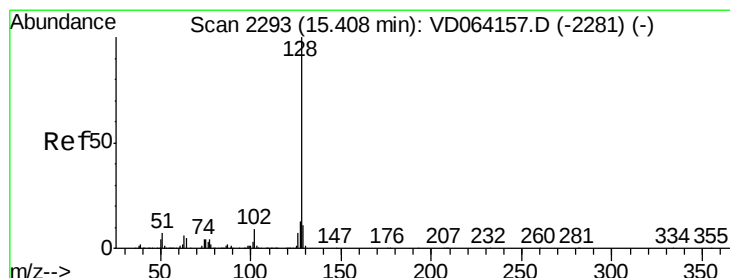
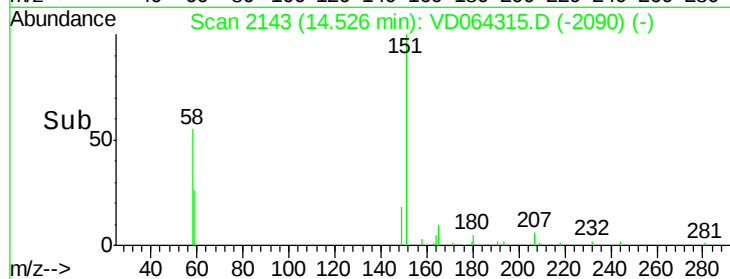
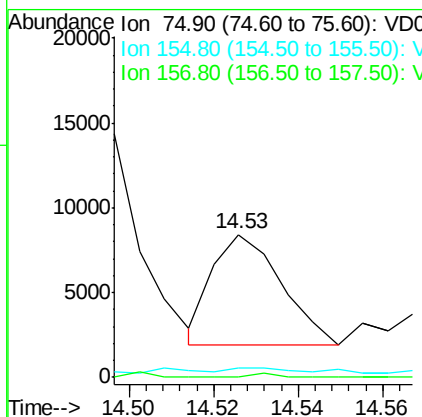
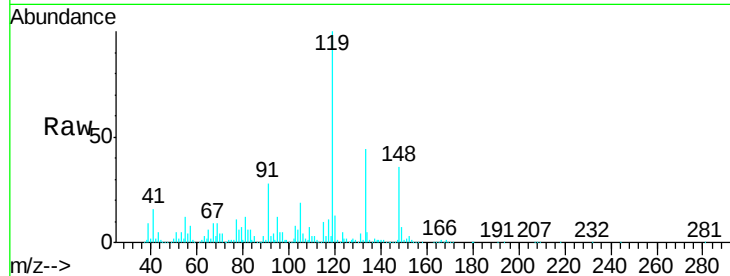




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.787 ug/l
 RT: 14.53 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VD064315.D
 Acq: 20 Nov 2019 16:15

Instrument :
 MSVOA_D
 ClientSampleId :
 MW-1-(17-20)

Tgt Ion: 75 Resp: 7438
 Ion Ratio Lower Upper
 75 100
 155 0.0 48.0 144.0#
 157 1.2 61.5 184.4#



#95
 Naphthalene
 Concen: 17.947 ug/l
 RT: 15.41 min Scan# 2293
 Delta R.T. 0.00 min
 Lab File: VD064315.D
 Acq: 20 Nov 2019 16:15

Tgt Ion: 128 Resp: 1338453
 Ion Ratio Lower Upper
 128 100
 127 13.3 10.5 15.7
 129 10.9 8.6 13.0

