

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102919\
 Data File : VD064093.D
 Acq On : 29 Oct 2019 17:17
 Operator : VA/SY
 Sample : K5140-05
 Misc : 9.13G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 30 08:08:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	236515	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	382265	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	397697	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	234013	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	101109	53.75	ug/l	0.00
Spiked Amount			Recovery	=	107.50%	
35) Dibromofluoromethane	7.91	113	116353	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	
50) Toluene-d8	10.34	98	481294	51.17	ug/l	0.00
Spiked Amount			Recovery	=	102.34%	
62) 4-Bromofluorobenzene	12.64	95	204008	65.43	ug/l	0.00
Spiked Amount			Recovery	=	130.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	58	6.713	ug/l #	71
16) Acetone	4.17	43	1816	5.074	ug/l #	78
20) Methylene Chloride	4.97	84	8211	Below Cal	#	65
28) Bromochloromethane	7.73	49	102	2.320	ug/l #	5
31) Cyclohexane	7.98	56	13515	3.863	ug/l #	81
38) Carbon Tetrachloride	7.98	117	22091	5.653	ug/l #	18
39) Methylcyclohexane	9.36	83	157412	35.800	ug/l	95
48) Methyl methacrylate	9.41	41	5909	5.735	ug/l #	7
51) 4-Methyl-2-Pentanone	10.34	43	15384	12.683	ug/l #	72
52) Toluene	10.41	92	21090	3.081	ug/l	97
55) 1,1,2-Trichloroethane	10.78	97	109438	56.617	ug/l #	23
56) Ethyl methacrylate	10.68	69	22308	11.941	ug/l #	38
59) 2-Hexanone	10.96	43	55099	64.871	ug/l #	27
67) Ethyl Benzene	11.74	91	162447	11.114	ug/l	94
68) m/p-Xylenes	11.86	106	780733	132.803	ug/l	99
69) o-Xylene	12.18	106	486883	90.748	ug/l	99
70) Styrene	12.19	104	27391	2.960	ug/l #	1
73) Isopropylbenzene	12.48	105	72941	4.485	ug/l	99
74) N-amyl acetate	12.27	43	142656	52.806	ug/l #	58
75) 1,1,2,2-Tetrachloroethane	12.71	83	10156	3.962	ug/l #	1
76) 1,2,3-Trichloropropane	12.88	75	13154	8.365	ug/l #	100
78) n-propylbenzene	12.83	91	159382	8.364	ug/l	100
79) 2-Chlorotoluene	12.88	91	193068	18.900	ug/l #	38
80) 1,3,5-Trimethylbenzene	12.97	105	1052988	77.371	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.64	75	95958	124.629	ug/l #	18
82) 4-Chlorotoluene	12.97	91	108399	9.931	ug/l #	43
83) tert-Butylbenzene	13.23	119	14761	1.208	ug/l	83
84) 1,2,4-Trimethylbenzene	13.27	105	1768893	129.383	ug/l	99
85) sec-Butylbenzene	13.40	105	90127	5.369	ug/l	79
86) p-Isopropyltoluene	13.52	119	137352	8.708	ug/l	99
89) n-Butylbenzene	13.85	91	62568	4.301	ug/l #	51
90) Hexachloroethane	14.12	117	46997	15.915	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.53	75	598	1.597	ug/l #	1
95) Naphthalene	15.40	128	15363	1.935	ug/l #	68

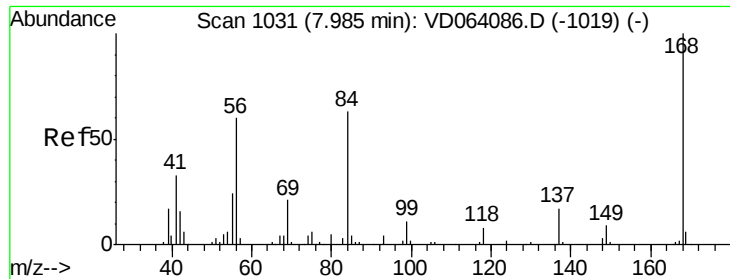
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102919\
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Quant Title : SW846 8260
QLast Update : Wed Oct 30 08:00:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.62	180	5726	1.358	ug/l #	17

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064093.D

Acq: 29 Oct 2019 17:17

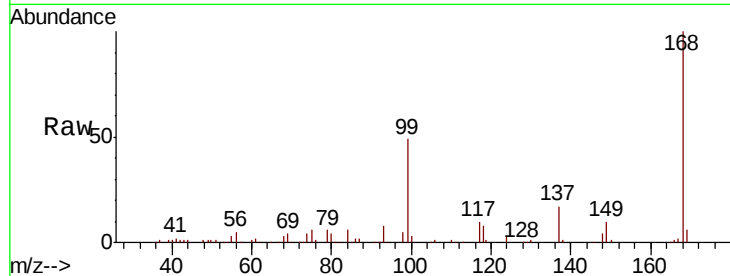
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 236515

Ion Ratio Lower Upper

168 100

99 49.0 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

120000

100000

80000

60000

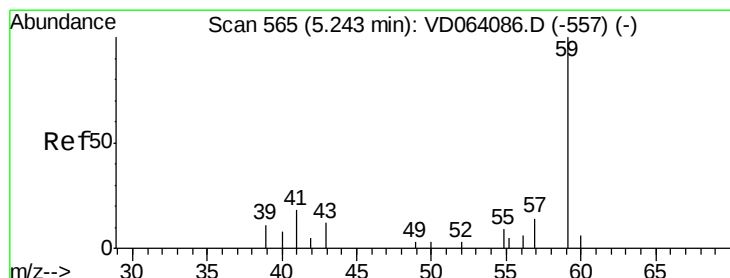
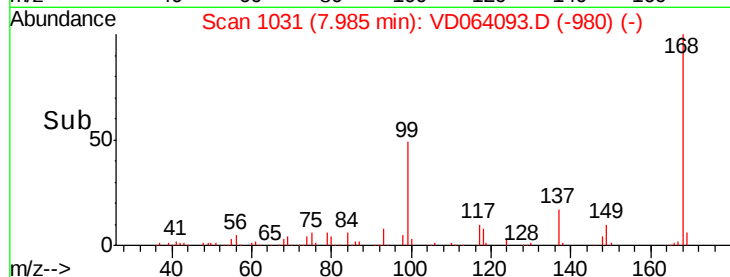
40000

20000

0

Time-->

7.90 7.95 8.00 8.05



#11

Tert butyl alcohol

Concen: 6.713 ug/l

RT: 5.24 min Scan# 565

Delta R.T. 0.00 min

Lab File: VD064093.D

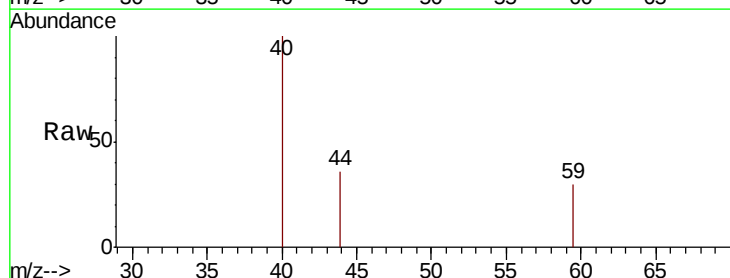
Acq: 29 Oct 2019 17:17

Tgt Ion: 59 Resp: 58

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.24

150

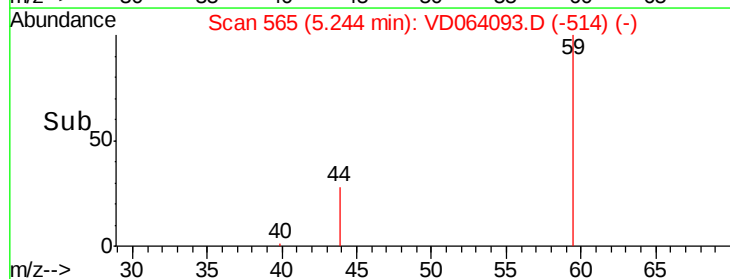
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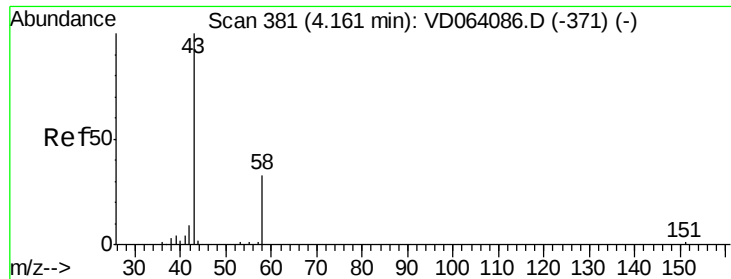
50

0

Time-->

5.23 5.24 5.25 5.26





#16

Acetone

Concen: 5.074 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD064093.D

Acq: 29 Oct 2019 17:17

Instrument :

MSVOA_D

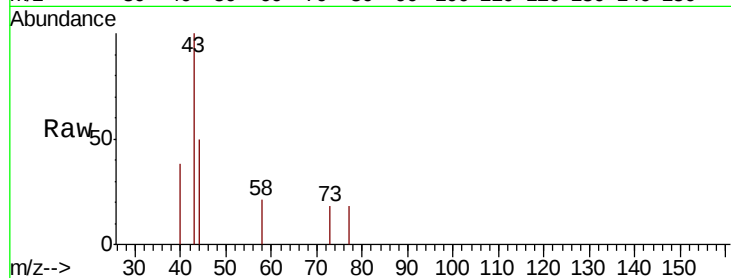
ClientSampled :

Tot Ion: 43 Resp: 1816

Ion Ratio Lower Upper

43 100

58 20.6 26.3 39.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

1000

800

600

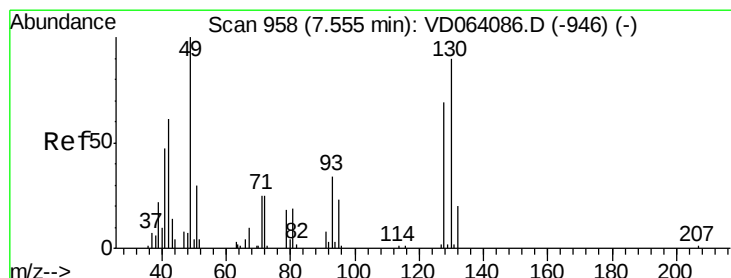
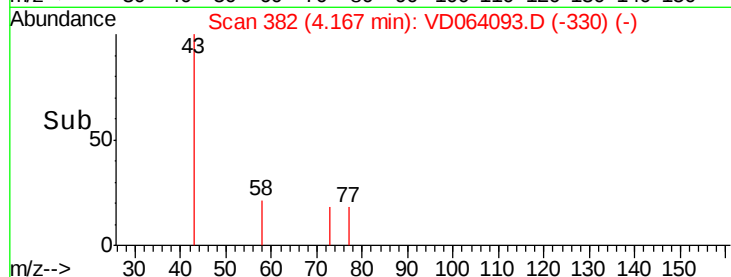
400

200

0

4.10 4.15 4.20 4.25

Time-->



#28

Bromochloromethane

Concen: 2.320 ug/l

RT: 7.73 min Scan# 988

Delta R.T. 0.18 min

Lab File: VD064093.D

Acq: 29 Oct 2019 17:17

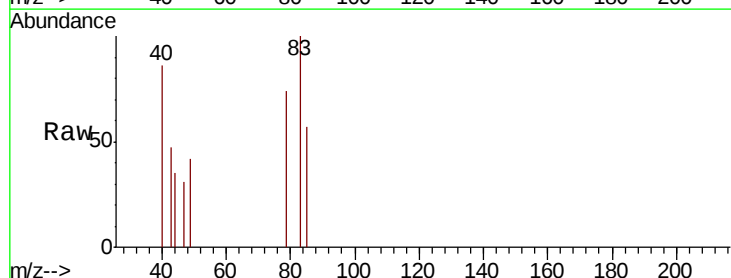
Tgt Ion: 49 Resp: 102

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.4

130 0.0 75.3 112.9#



Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

400

300

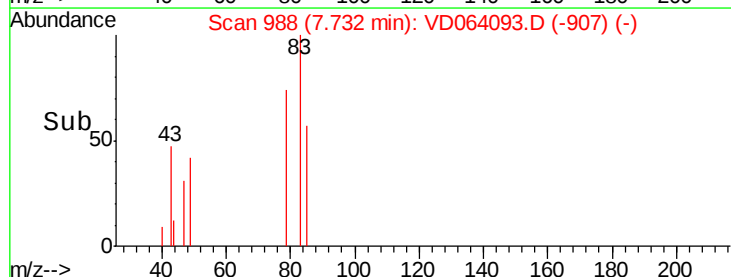
200

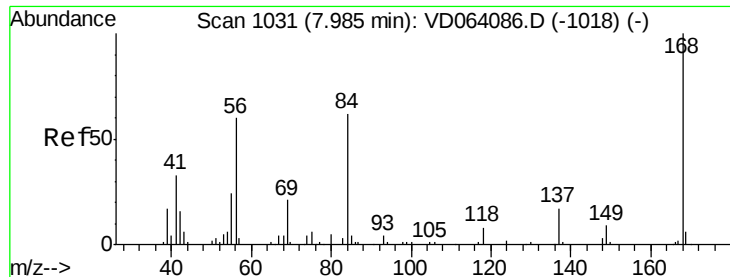
100

0

7.71 7.72 7.73 7.74 7.75

Time-->

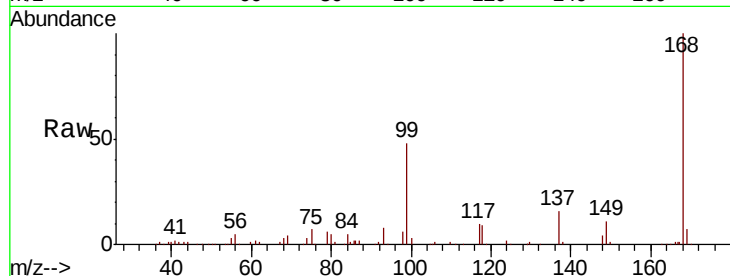




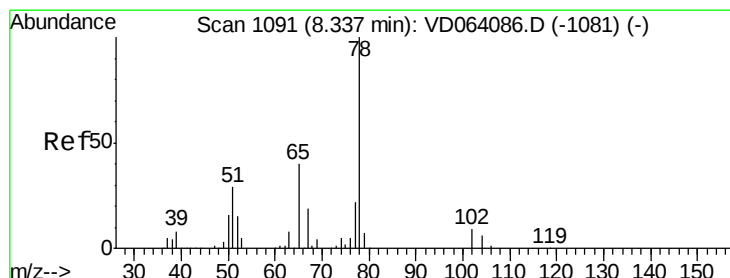
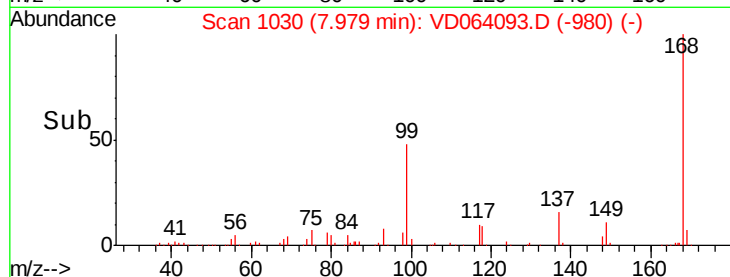
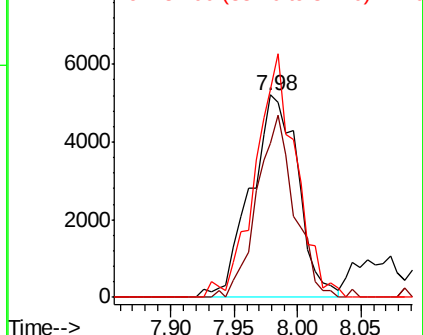
#31
Cyclohexane
Concen: 3.863 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064093.D
Acq: 29 Oct 2019 17:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 13515
Ion Ratio Lower Upper
56 100
69 76.1 27.7 41.5#
84 102.6 83.1 124.7

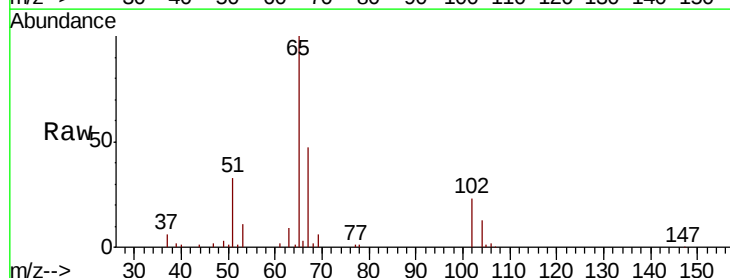


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

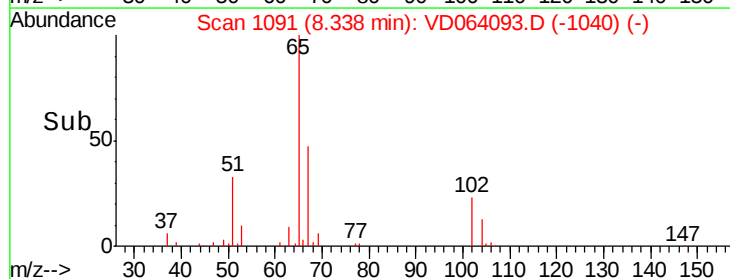
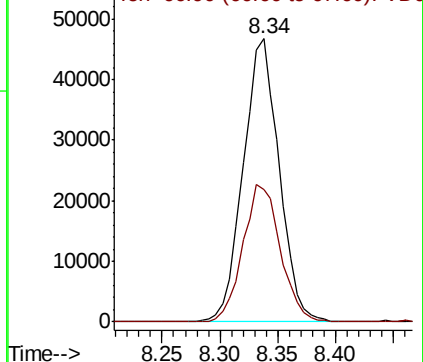


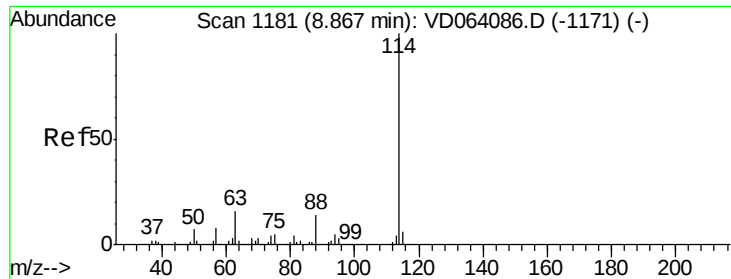
#33
1,2-Dichloroethane-d4
Concen: 53.752 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD064093.D
Acq: 29 Oct 2019 17:17

Tgt Ion: 65 Resp: 101109
Ion Ratio Lower Upper
65 100
67 50.5 0.0 104.6



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

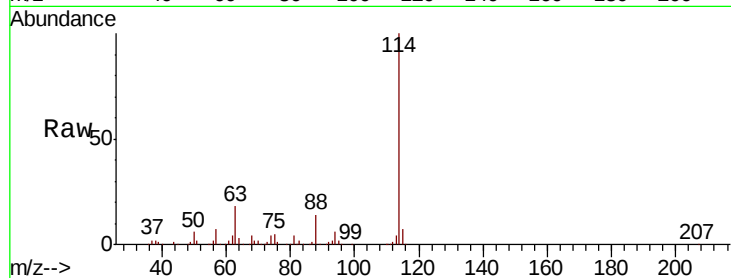




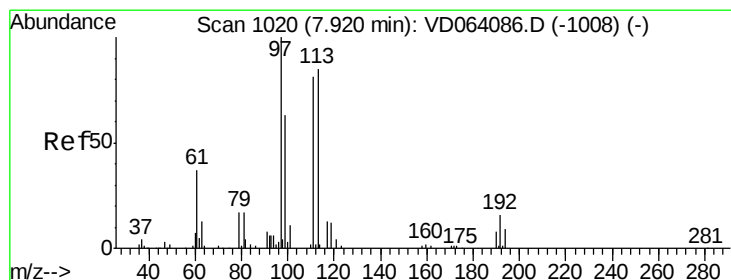
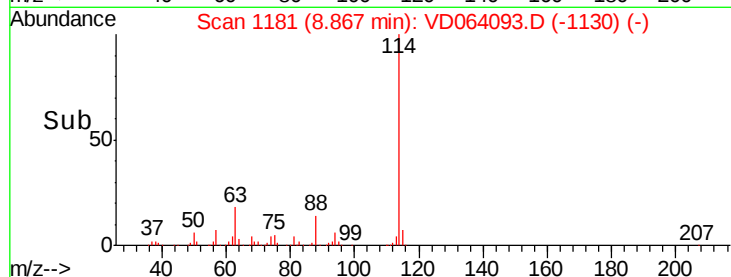
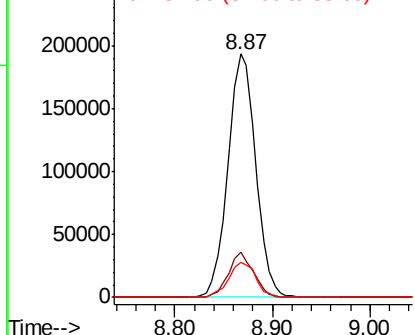
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD064093.D
Acq: 29 Oct 2019 17:17

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:114 Resp: 382265
Ion Ratio Lower Upper
114 100
63 18.4 0.0 32.8
88 14.2 0.0 27.6

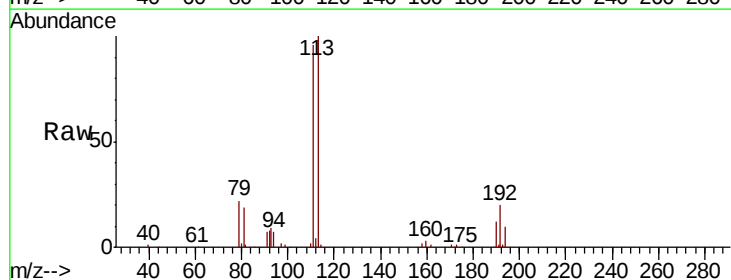


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

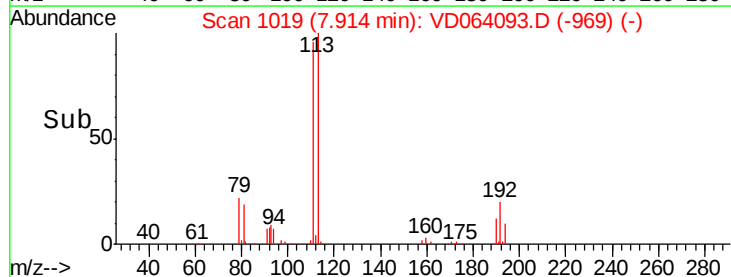
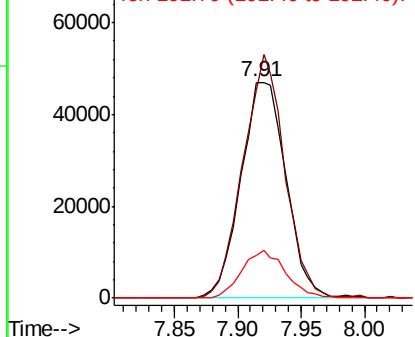


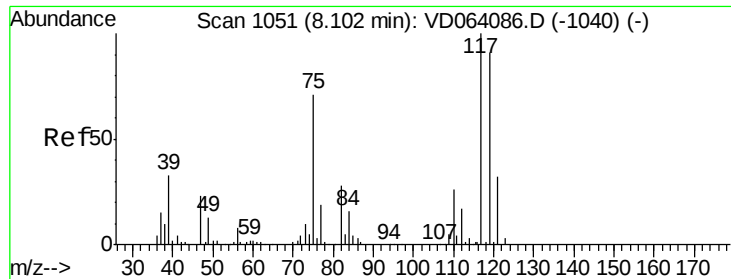
#35
Dibromofluoromethane
Concen: 49.474 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD064093.D
Acq: 29 Oct 2019 17:17

Tgt Ion:113 Resp: 116353
Ion Ratio Lower Upper
113 100
111 104.5 79.3 118.9
192 21.5 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

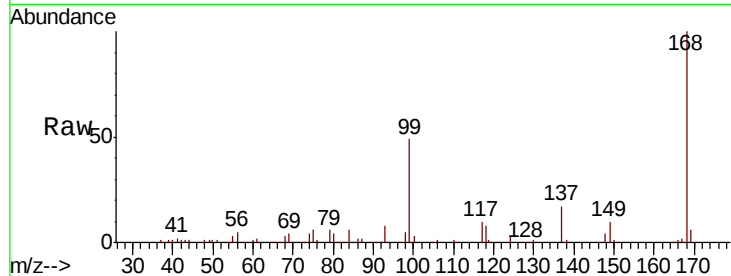




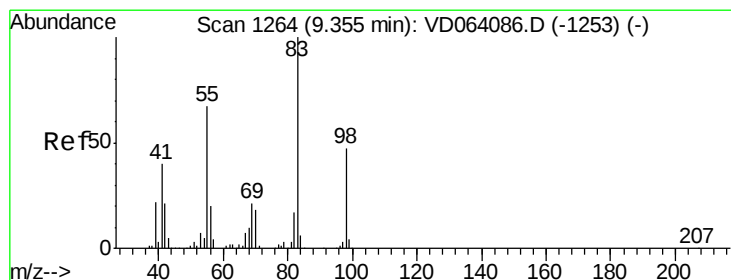
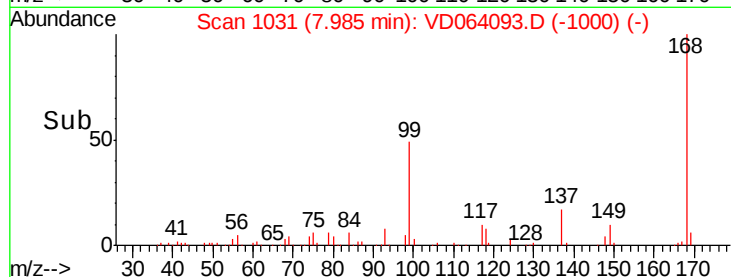
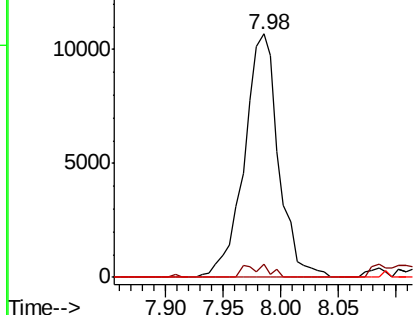
#38
Carbon Tetrachloride
Concen: 5.653 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VD064093.D
Acq: 29 Oct 2019 17:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 22091
Ion Ratio Lower Upper
117 100
119 5.3 72.6 108.8#
121 0.0 25.8 38.6#

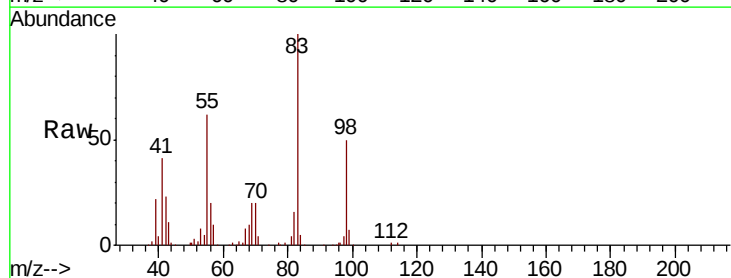


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

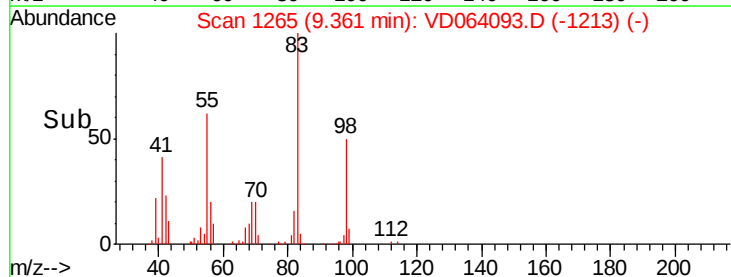
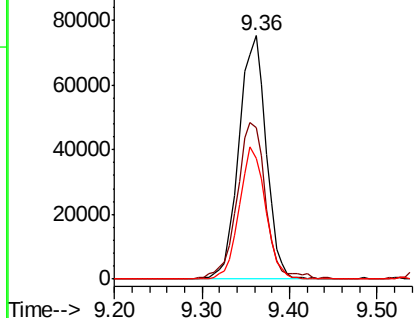


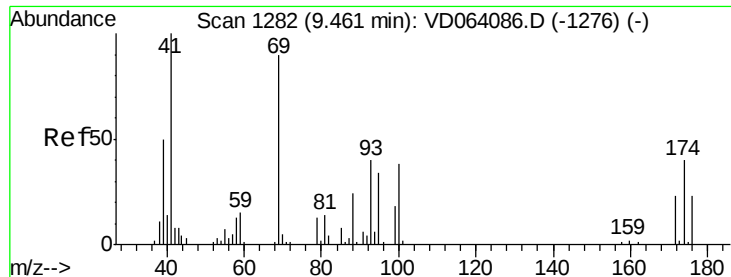
#39
Methylcyclohexane
Concen: 35.800 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD064093.D
Acq: 29 Oct 2019 17:17

Tgt Ion: 83 Resp: 157412
Ion Ratio Lower Upper
83 100
55 62.3 53.4 80.0
98 49.6 37.8 56.6



Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

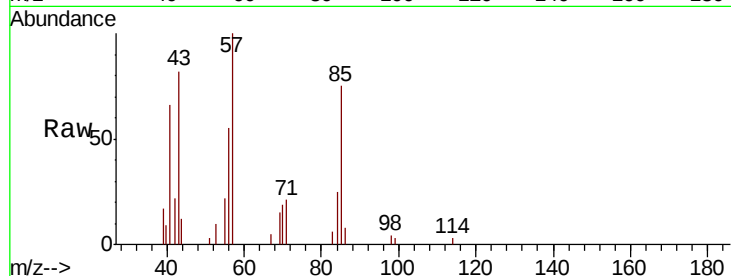




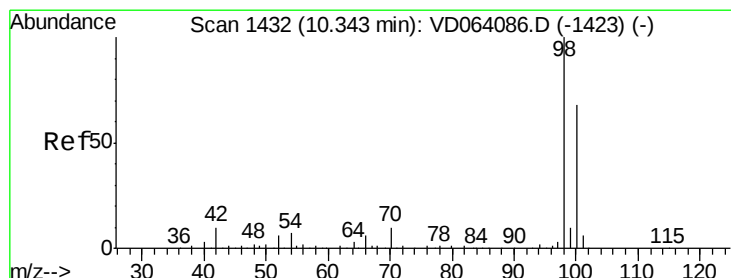
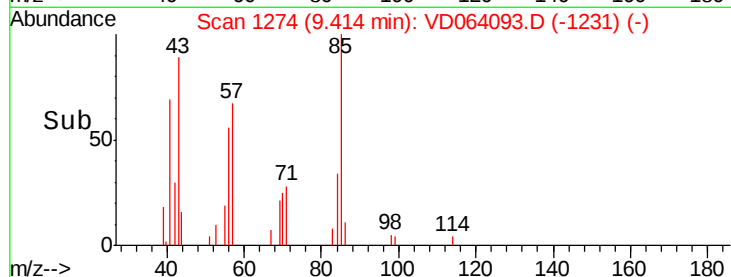
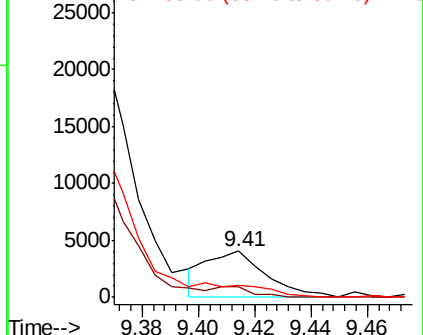
#48
Methyl methacrylate
Concen: 5.735 ug/l
RT: 9.41 min Scan# 1274
Delta R.T. -0.05 min
Lab File: VD064093.D
Acq: 29 Oct 2019 17:17

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 5909
Ion Ratio Lower Upper
41 100
69 0.0 82.6 124.0#
39 0.0 47.0 70.4#

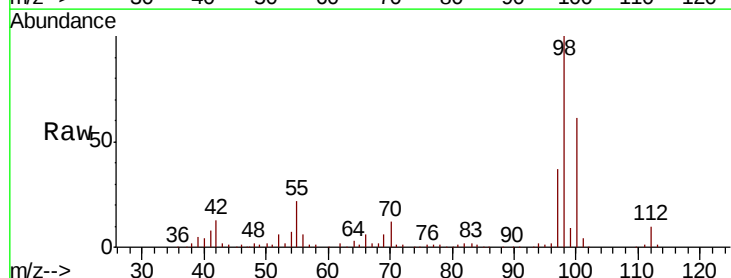


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

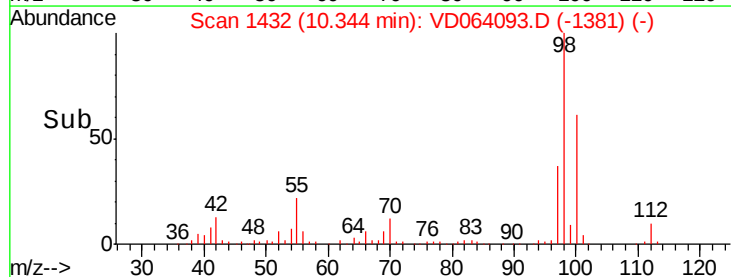
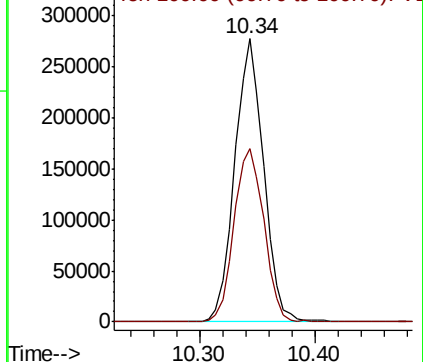


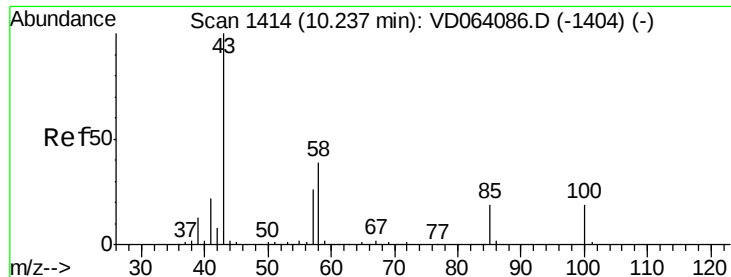
#50
Toluene-d8
Concen: 51.173 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064093.D
Acq: 29 Oct 2019 17:17

Tgt Ion: 98 Resp: 481294
Ion Ratio Lower Upper
98 100
100 63.3 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 12.683 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.10 min

Lab File: VD064093.D

Acq: 29 Oct 2019 17:17

Instrument :

MSVOA_D

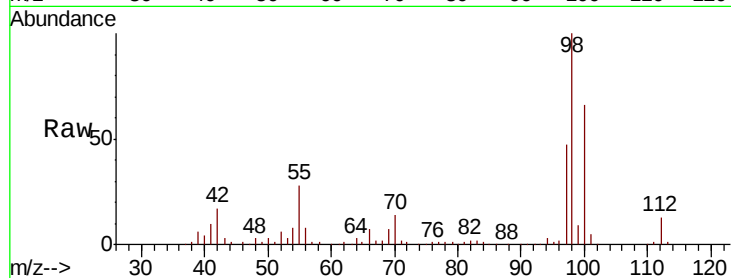
ClientSampleId :

Tot Ion: 43 Resp: 15384

Ion Ratio Lower Upper

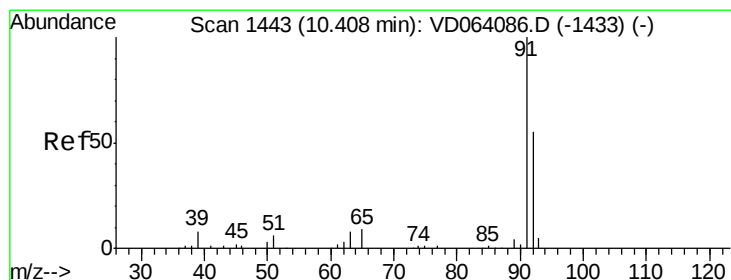
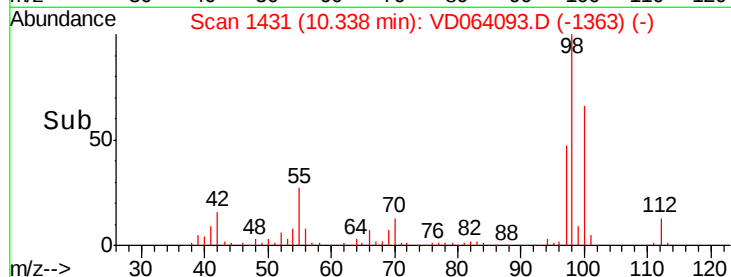
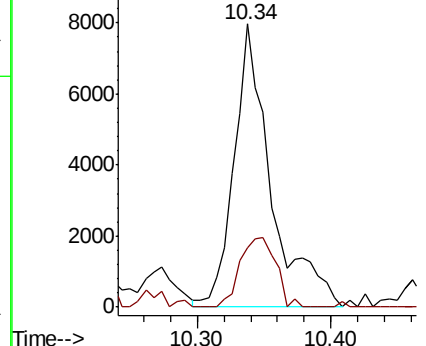
43 100

58 23.5 33.0 49.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 3.081 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD064093.D

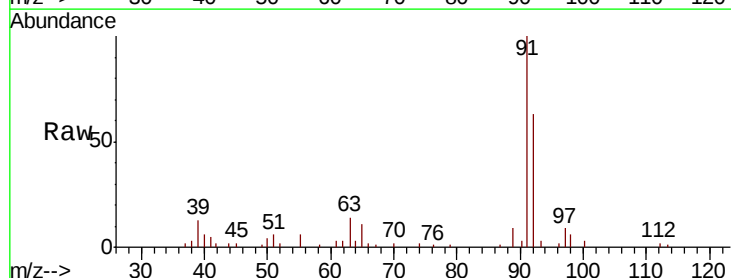
Acq: 29 Oct 2019 17:17

Tgt Ion: 92 Resp: 21090

Ion Ratio Lower Upper

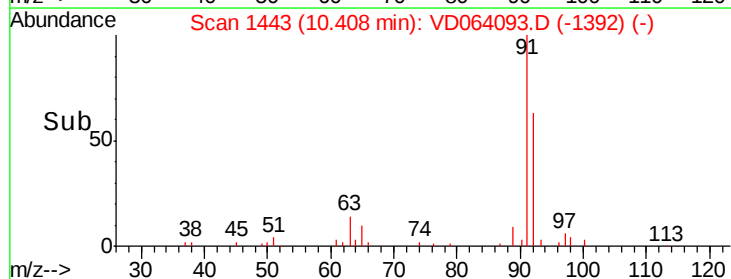
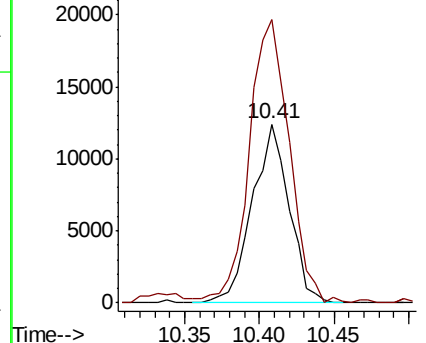
92 100

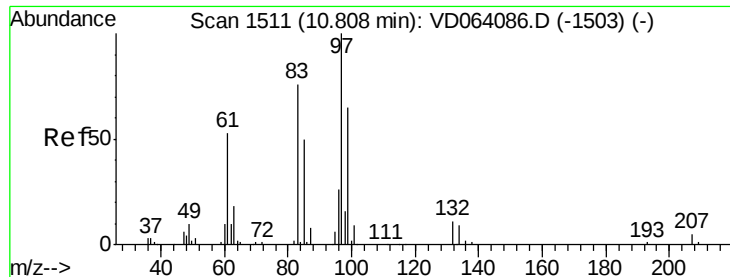
91 171.5 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

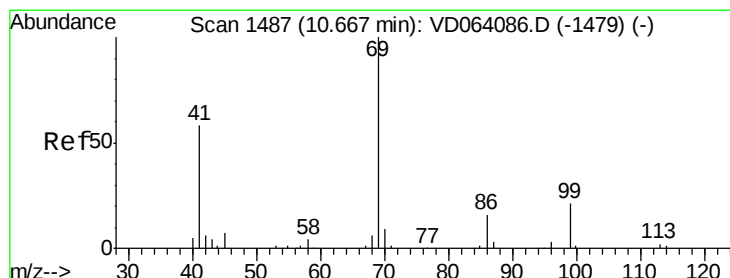
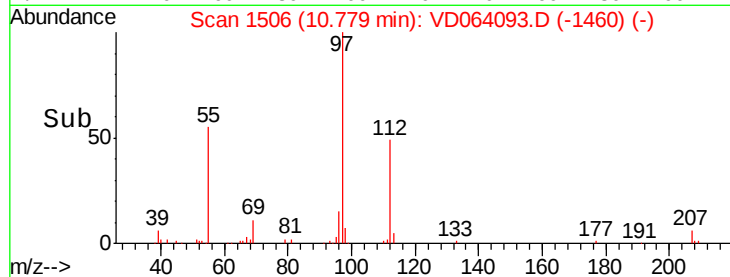
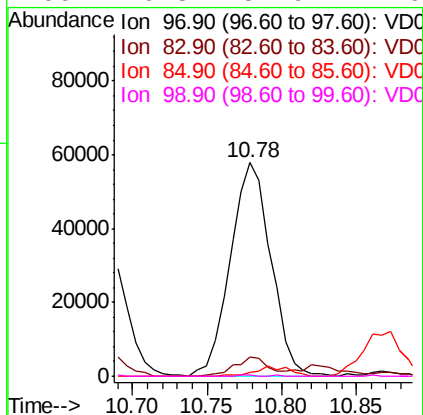
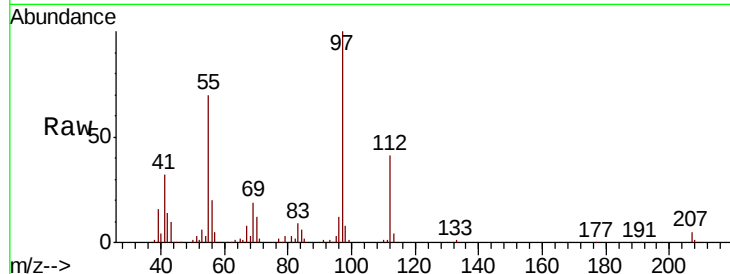




#55
 1,1,2-Trichloroethane
 Concen: 56.617 ug/l
 RT: 10.78 min Scan# 1506
 Delta R.T. -0.03 min
 Lab File: VD064093.D
 Acq: 29 Oct 2019 17:17

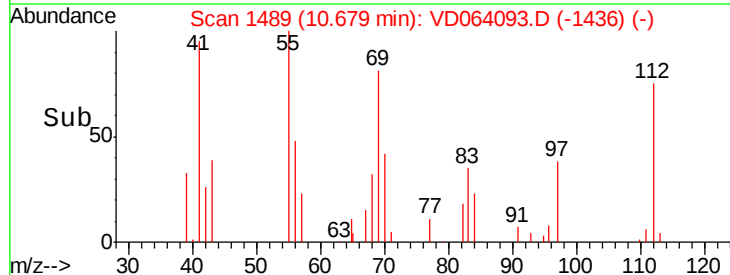
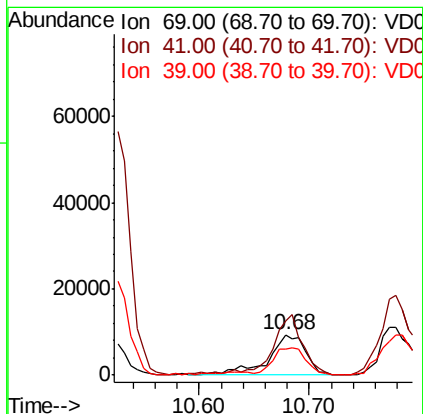
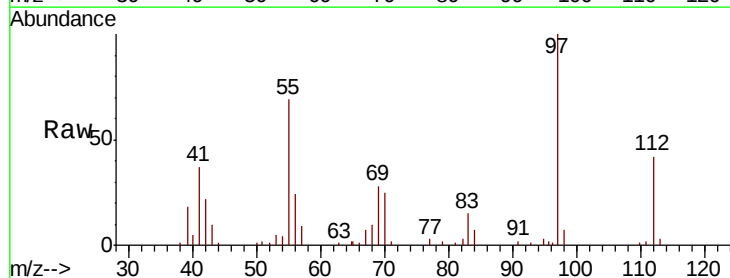
Instrument :
 MSVOA_D
 ClientSampleId :

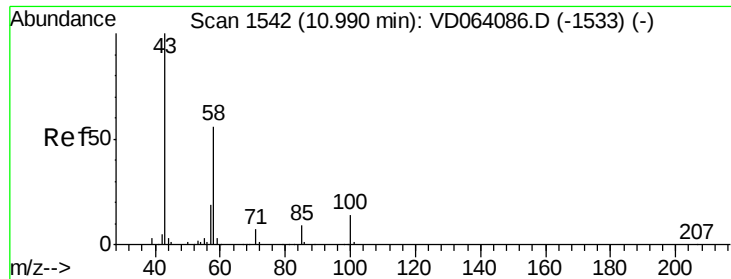
Tot Ion: 97 Resp: 109438
 Ion Ratio Lower Upper
 97 100
 83 9.0 60.9 91.3#
 85 1.7 40.2 60.2#
 99 0.8 51.9 77.9#



#56
 Ethyl methacrylate
 Concen: 11.941 ug/l
 RT: 10.68 min Scan# 1489
 Delta R.T. 0.01 min
 Lab File: VD064093.D
 Acq: 29 Oct 2019 17:17

Tgt Ion: 69 Resp: 22308
 Ion Ratio Lower Upper
 69 100
 41 112.7 46.9 70.3#
 39 59.3 27.3 40.9#

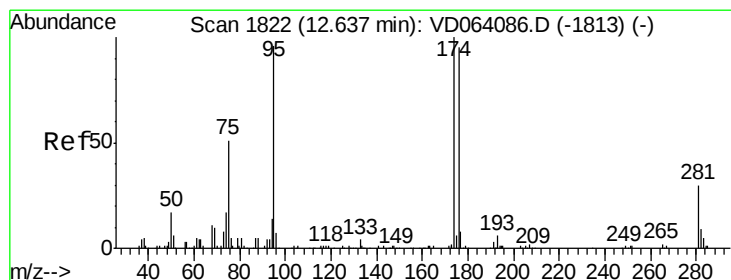
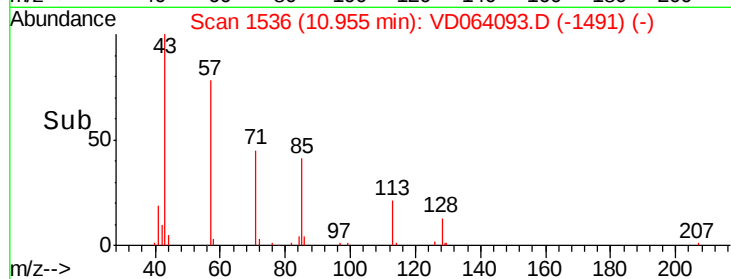
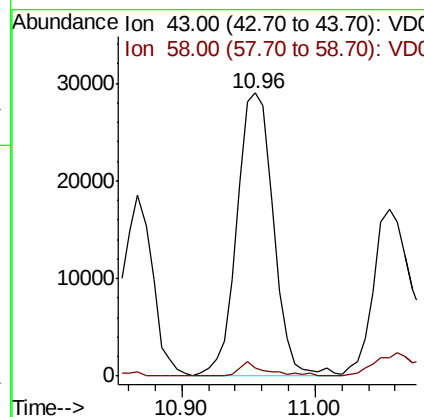
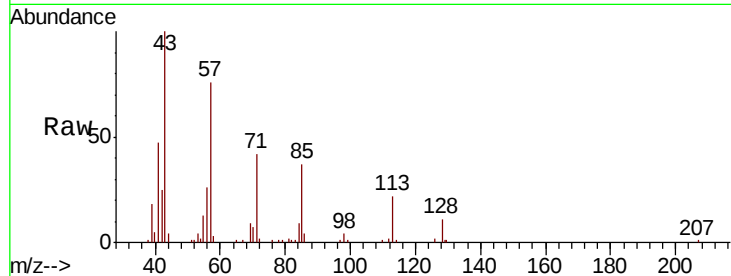




#59
2-Hexanone
Concen: 64.871 ug/l
RT: 10.96 min Scan# 1536
Delta R.T. -0.03 min
Lab File: VD064093.D
Acq: 29 Oct 2019 17:17

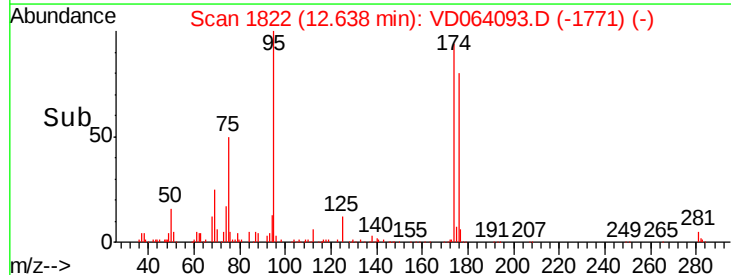
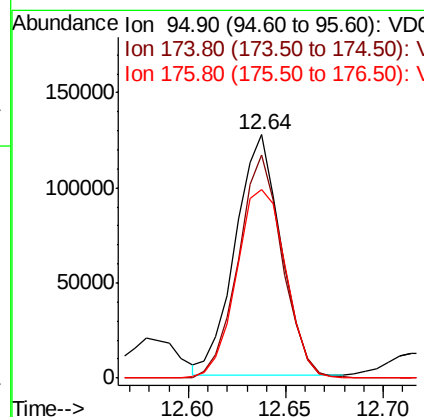
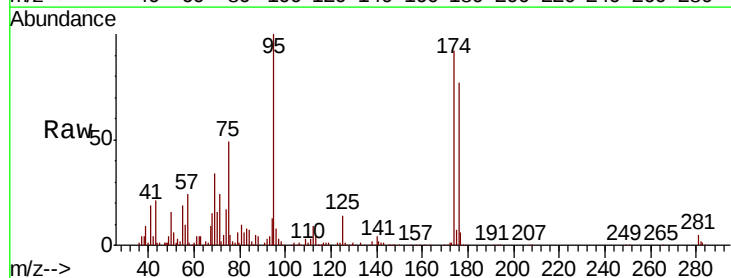
Instrument :
MSVOA_D
ClientSampleId :

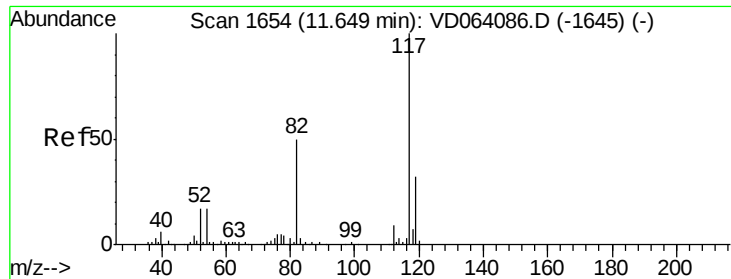
Tot Ion: 43 Resp: 55099
Ion Ratio Lower Upper
43 100
58 3.7 29.2 87.6#



#62
4-Bromofluorobenzene
Concen: 65.426 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064093.D
Acq: 29 Oct 2019 17:17

Tgt Ion: 95 Resp: 204008
Ion Ratio Lower Upper
95 100
174 90.1 0.0 201.6
176 85.0 0.0 192.6

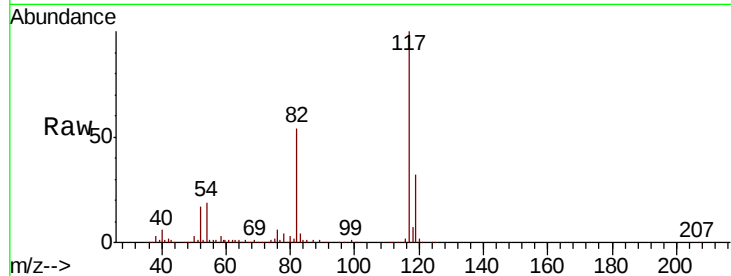




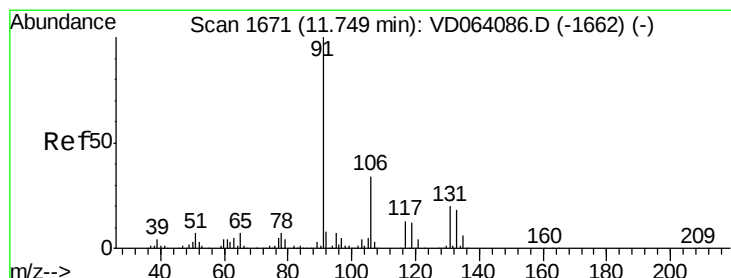
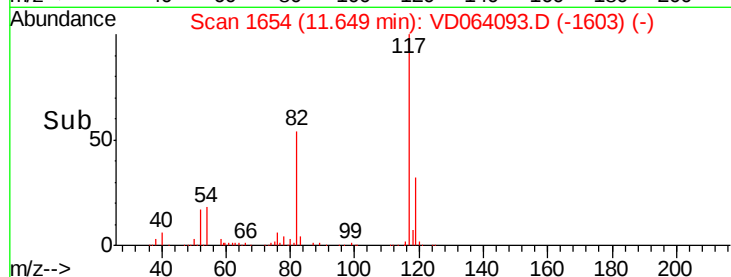
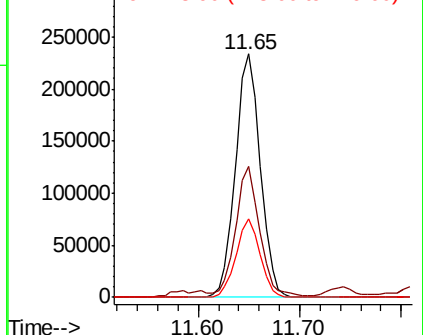
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064093.D
Acq: 29 Oct 2019 17:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 397697
Ion Ratio Lower Upper
117 100
82 52.1 40.2 60.4
119 32.2 26.0 39.0

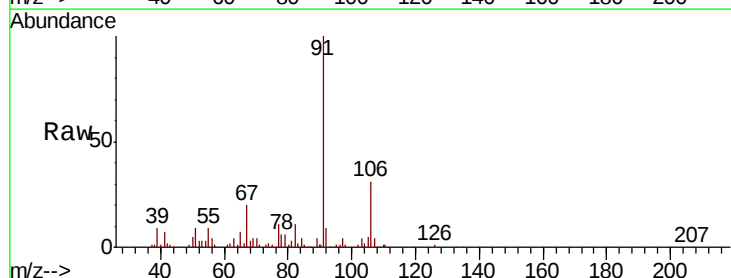


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VDC
Ion 118.90 (118.60 to 119.60): V

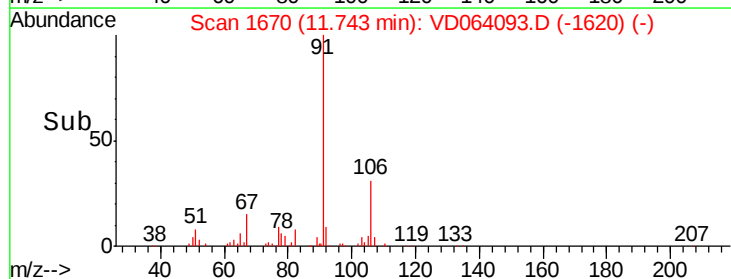
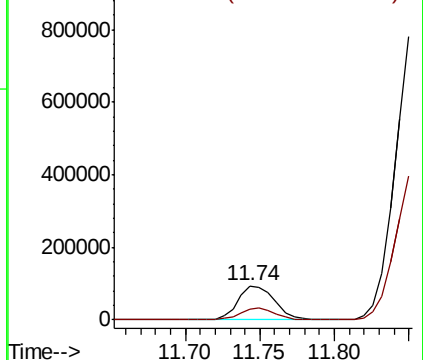


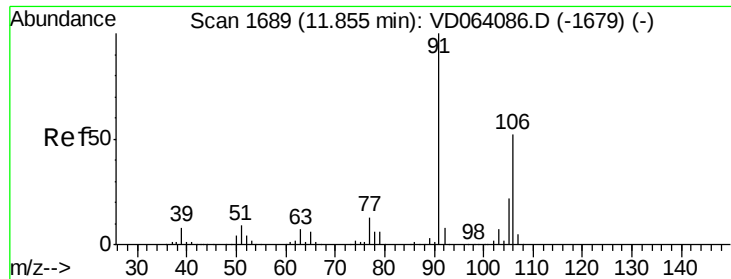
#67
Ethyl Benzene
Concen: 11.114 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD064093.D
Acq: 29 Oct 2019 17:17

Tgt Ion: 91 Resp: 162447
Ion Ratio Lower Upper
91 100
106 30.6 27.0 40.6



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

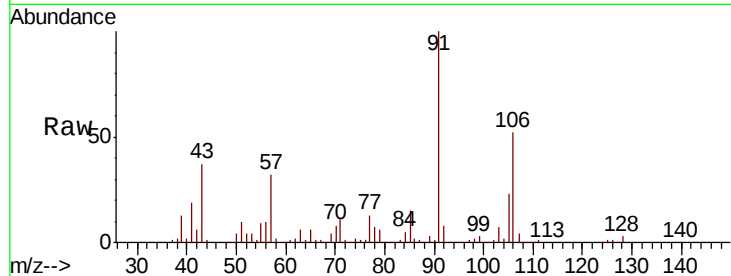




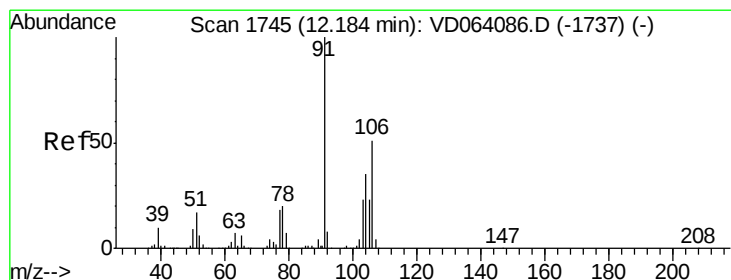
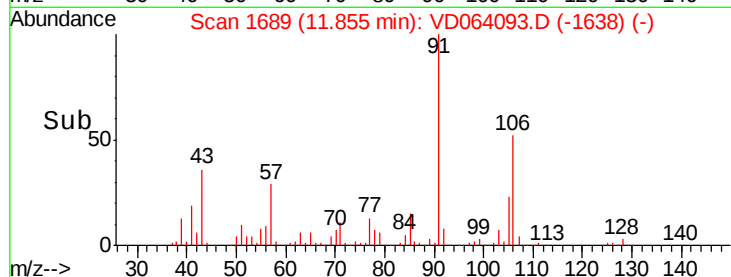
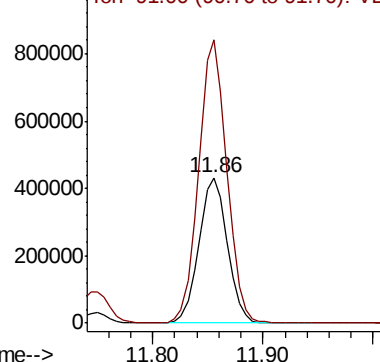
#68
m/p-Xylenes
Concen: 132.803 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064093.D
Acq: 29 Oct 2019 17:17

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 780733
Ion Ratio Lower Upper
106 100
91 191.7 154.0 231.0

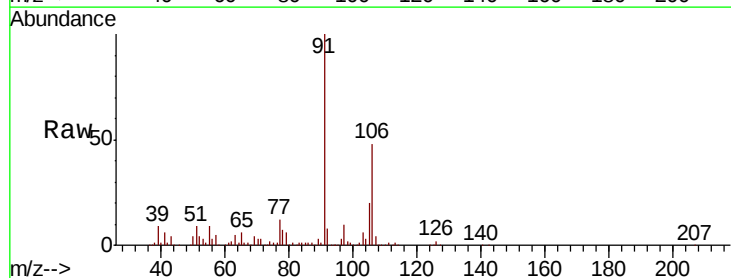


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

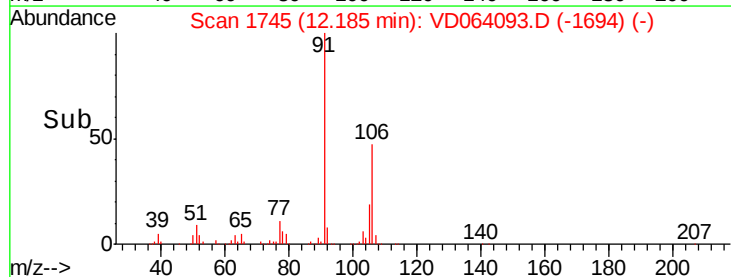
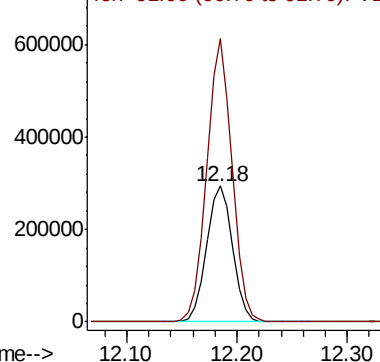


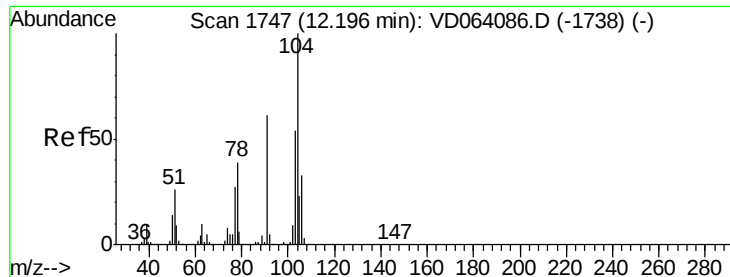
#69
o-Xylene
Concen: 90.748 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064093.D
Acq: 29 Oct 2019 17:17

Tgt Ion:106 Resp: 486883
Ion Ratio Lower Upper
106 100
91 202.2 100.6 301.9



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

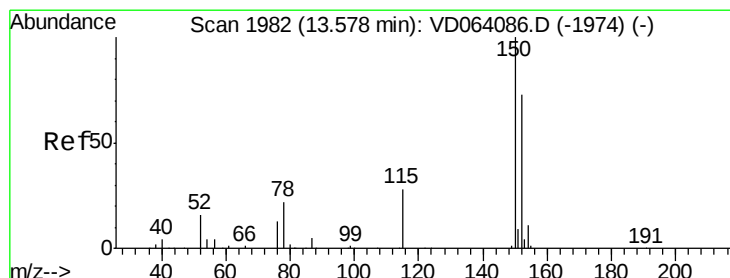
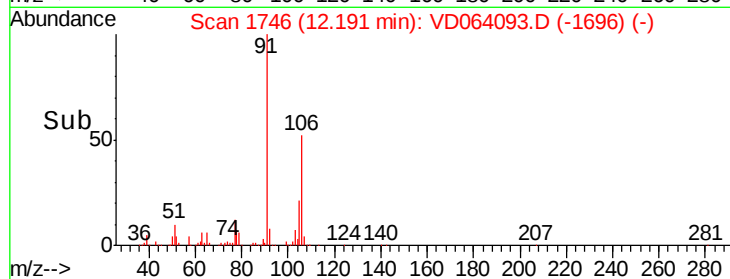
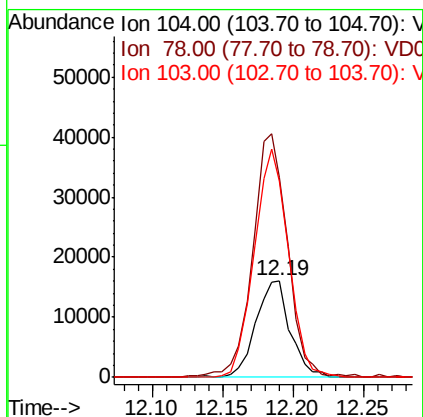
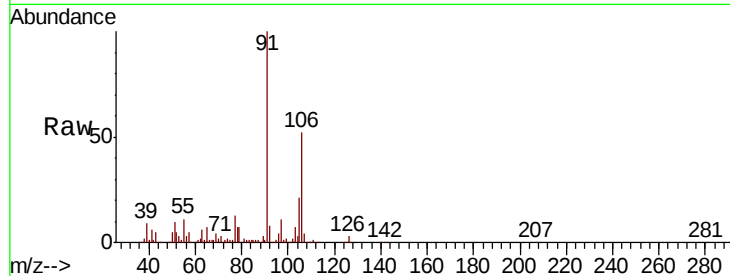




#70
 Stvrene
 Concen: 2.960 ug/l
 RT: 12.19 min Scan# 1746
 Delta R.T. -0.01 min
 Lab File: VD064093.D
 Acq: 29 Oct 2019 17:17

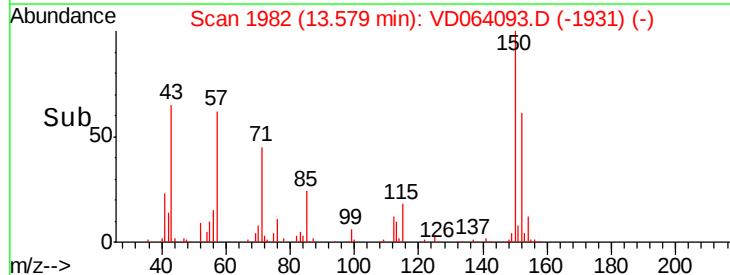
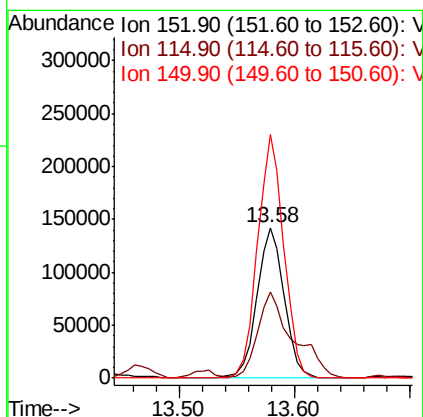
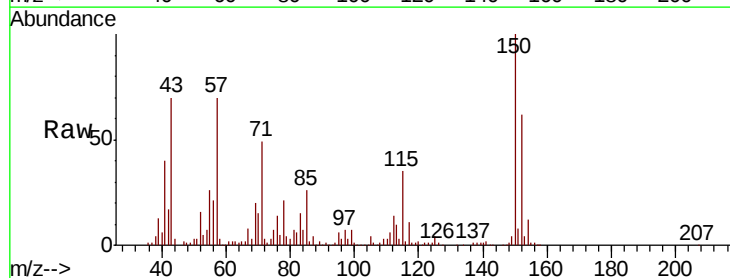
Instrument :
 MSVOA_D
 ClientSampleId :

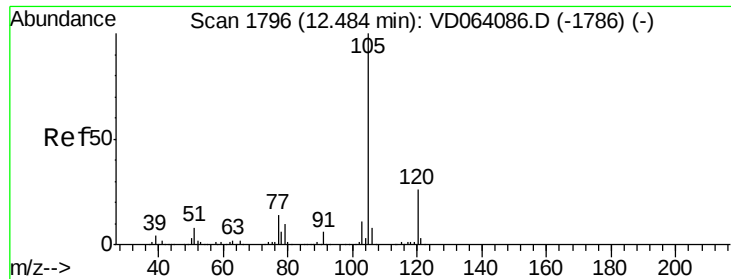
Tot Ion:104 Resp: 27391
 Ion Ratio Lower Upper
 104 100
 78 256.9 34.6 51.8#
 103 236.4 44.2 66.2#



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.58 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VD064093.D
 Acq: 29 Oct 2019 17:17

Tgt Ion:152 Resp: 234013
 Ion Ratio Lower Upper
 152 100
 115 74.1 26.2 78.6
 150 154.8 0.0 338.8





#73

Isopropylbenzene

Concen: 4.485 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.01 min

Lab File: VD064093.D

Acq: 29 Oct 2019 17:17

Instrument :

MSVOA_D

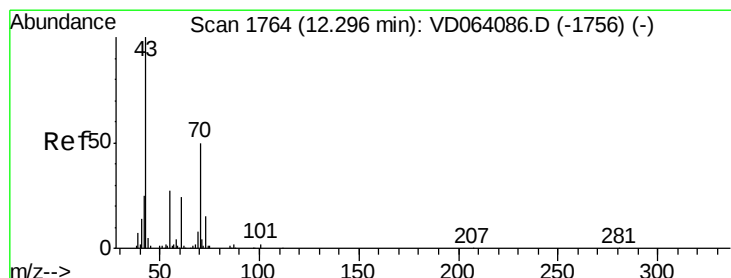
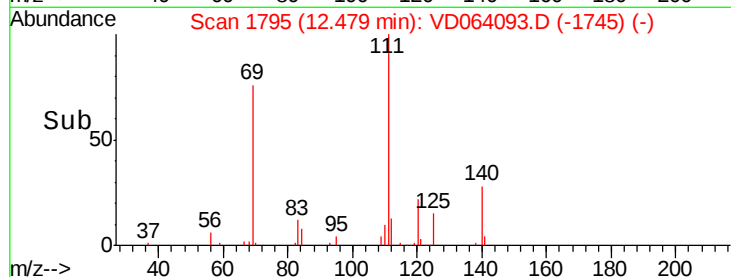
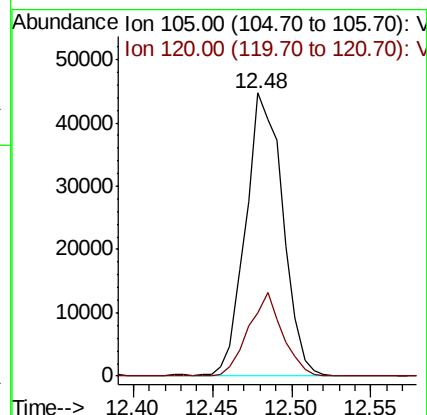
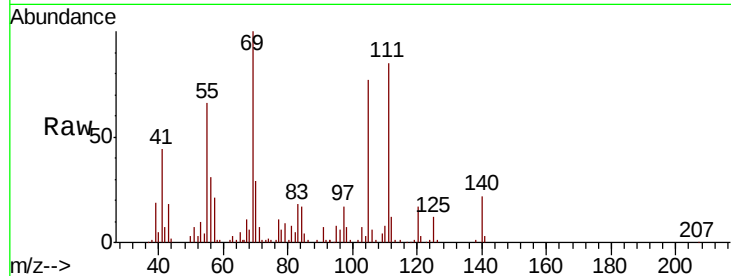
ClientSampleId :

Tot Ion:105 Resp: 72941

Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.9



#74

N-ethyl acetate

Concen: 52.806 ug/l

RT: 12.27 min Scan# 1760

Delta R.T. -0.02 min

Lab File: VD064093.D

Acq: 29 Oct 2019 17:17

Tgt Ion: 43 Resp: 142656

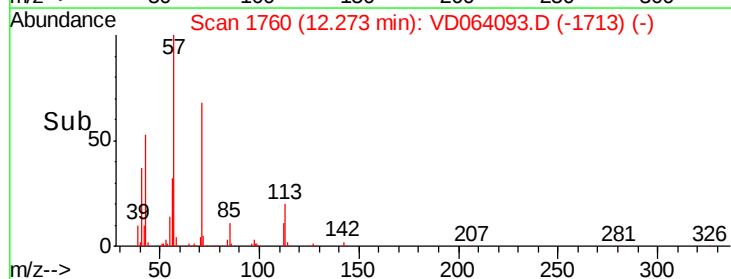
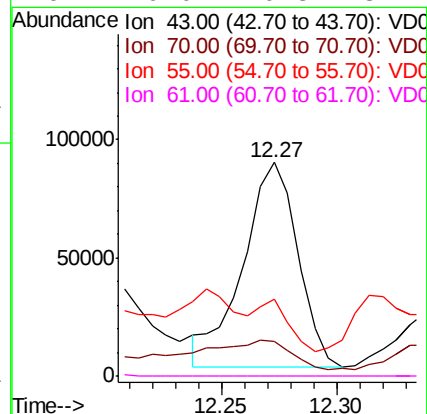
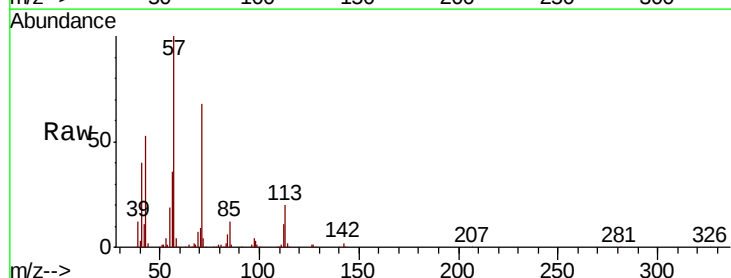
Ion Ratio Lower Upper

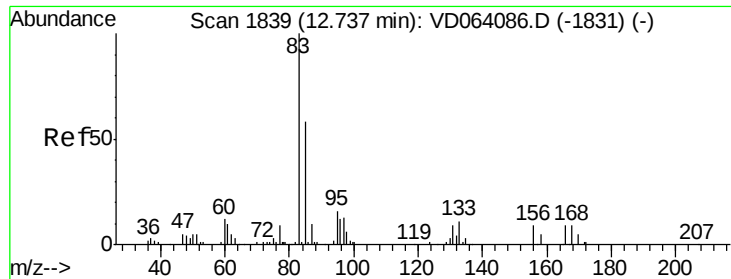
43 100

70 25.6 38.6 58.0#

55 0.0 20.4 30.6#

61 0.0 20.8 31.2#





#75

1,1,2,2-Tetrachloroethane

Concen: 3.962 ug/l

RT: 12.71 min Scan# 1835

Delta R.T. -0.02 min

Lab File: VD064093.D

Acq: 29 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampled :

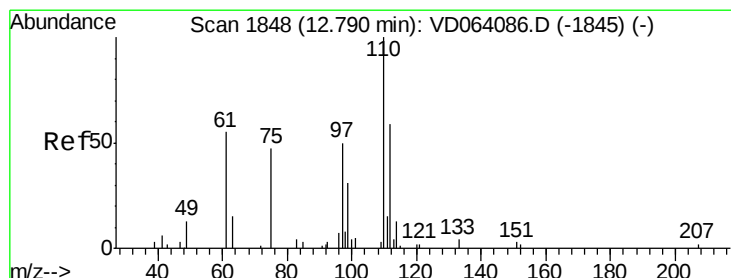
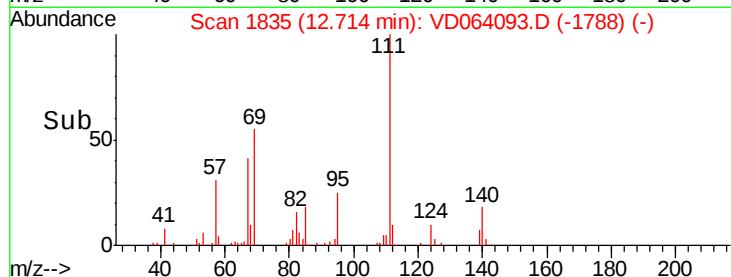
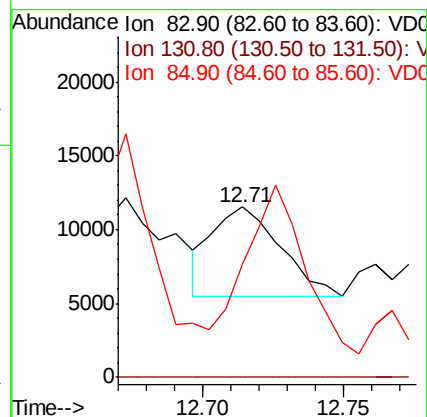
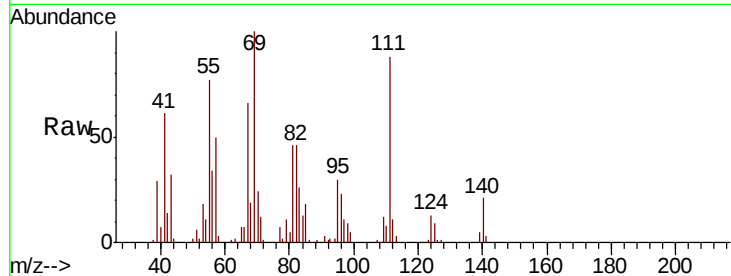
Tot Ion: 83 Resp: 10156

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.0#

85 161.7 32.1 96.5#



#76

1,2,3-Trichloropropane

Concen: 8.365 ug/l

RT: 12.88 min Scan# 1864

Delta R.T. 0.09 min

Lab File: VD064093.D

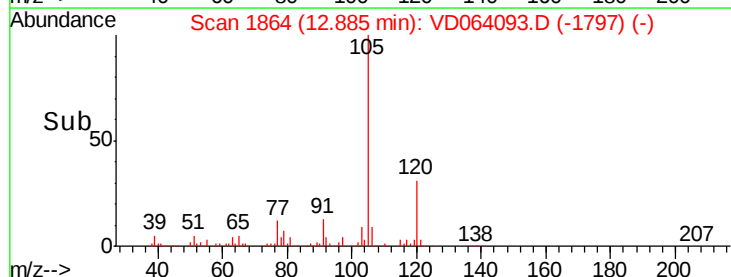
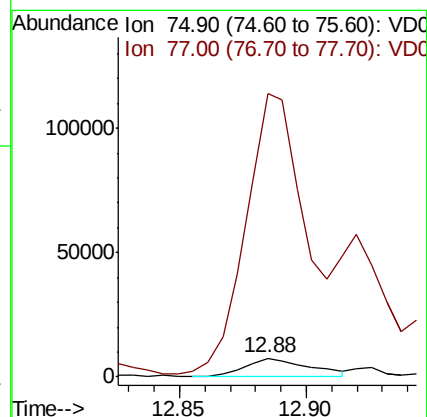
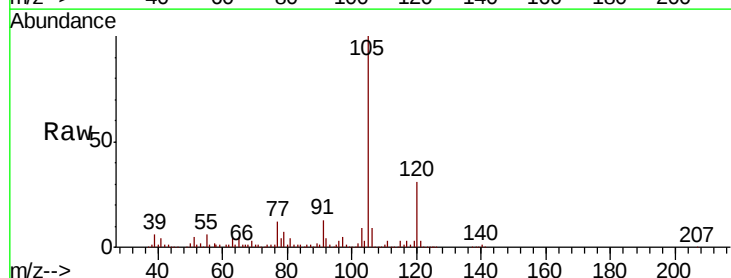
Acq: 29 Oct 2019 17:17

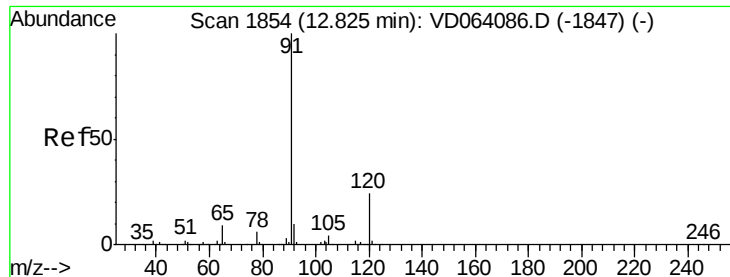
Tgt Ion: 75 Resp: 13154

Ion Ratio Lower Upper

75 100

77 1393.2 0.0 0.0#





#78

n-propylbenzene

Concen: 8.364 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064093.D

Acq: 29 Oct 2019 17:17

Instrument :

MSVOA_D

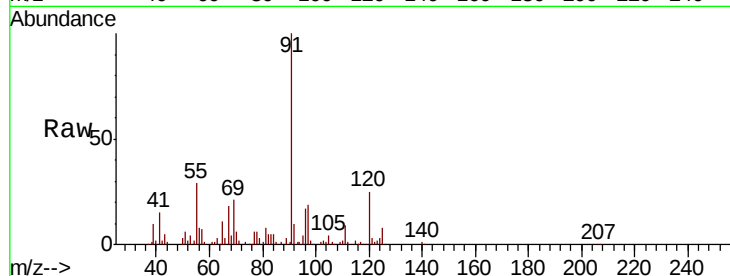
ClientSampleId :

Tot Ion: 91 Resp: 159382

Ion Ratio Lower Upper

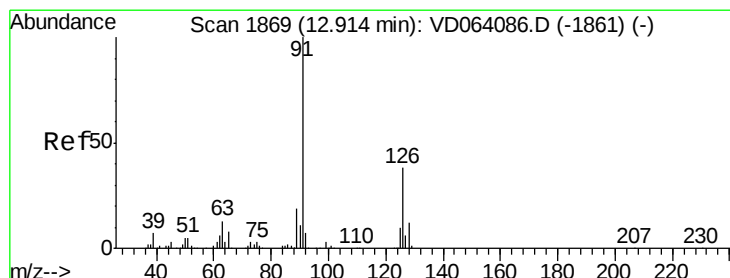
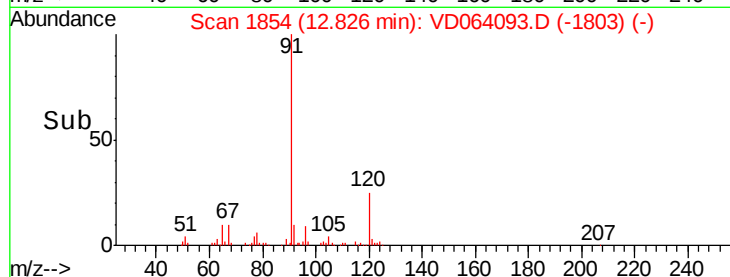
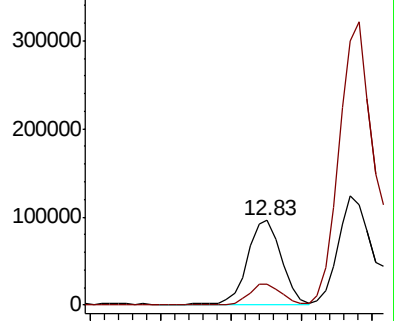
91 100

120 24.0 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 18.900 ug/l

RT: 12.88 min Scan# 1864

Delta R.T. -0.03 min

Lab File: VD064093.D

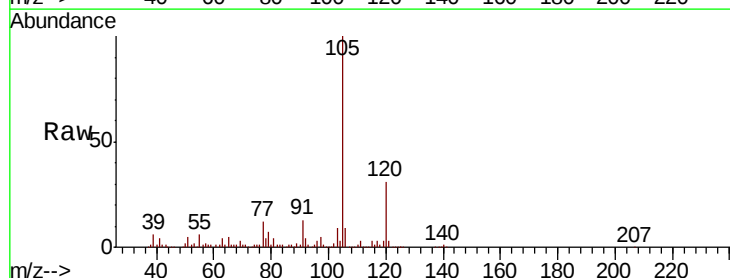
Acq: 29 Oct 2019 17:17

Tgt Ion: 91 Resp: 193068

Ion Ratio Lower Upper

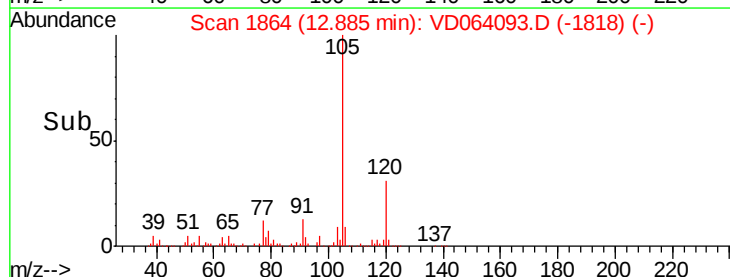
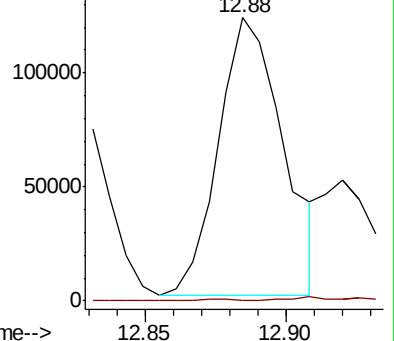
91 100

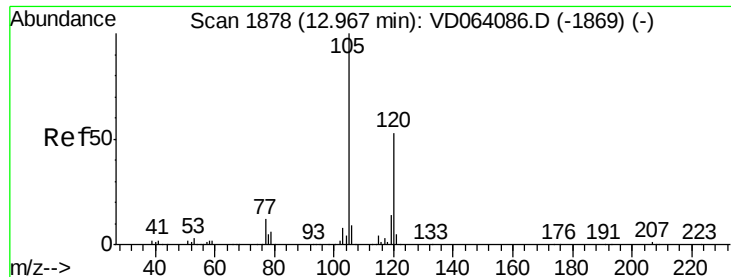
126 0.4 19.1 57.1#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

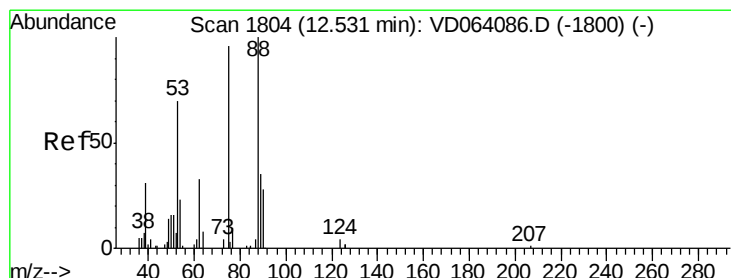
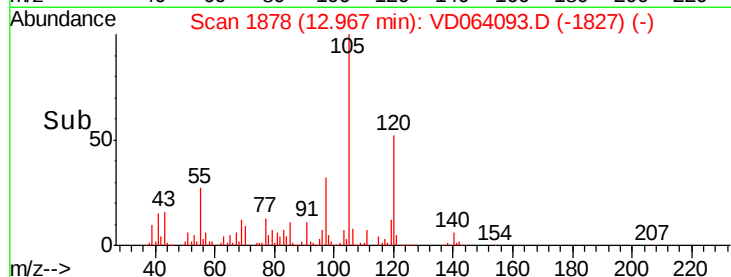
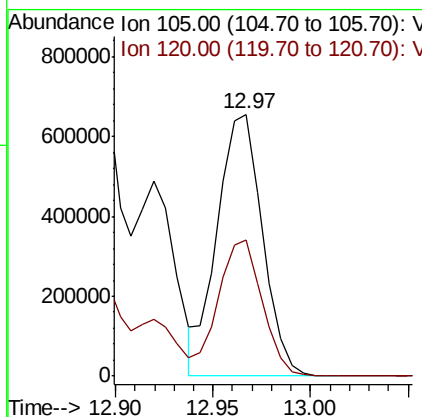
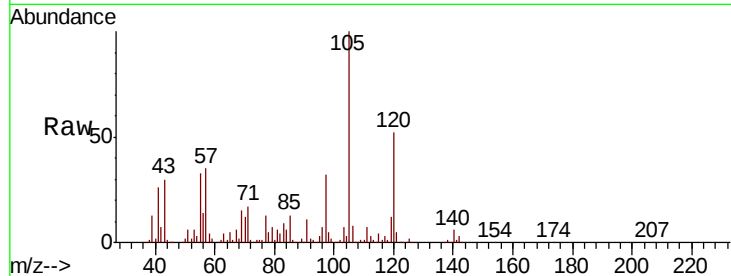




#80
 1,3,5-Trimethylbenzene
 Concen: 77.371 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD064093.D
 Acq: 29 Oct 2019 17:17

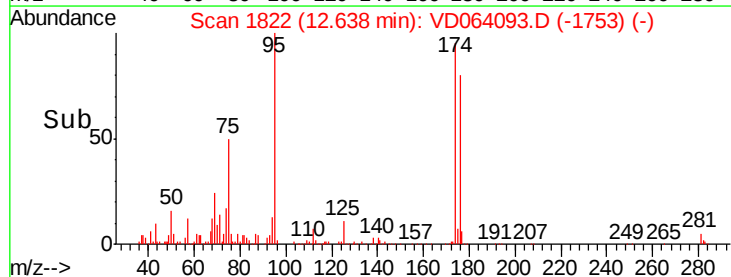
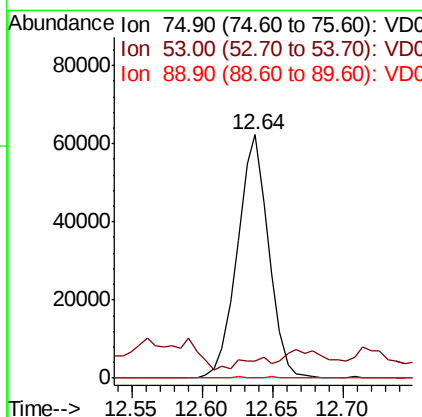
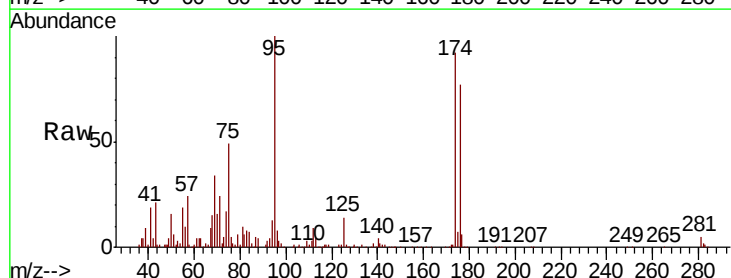
Instrument :
 MSVOA_D
 ClientSampled :

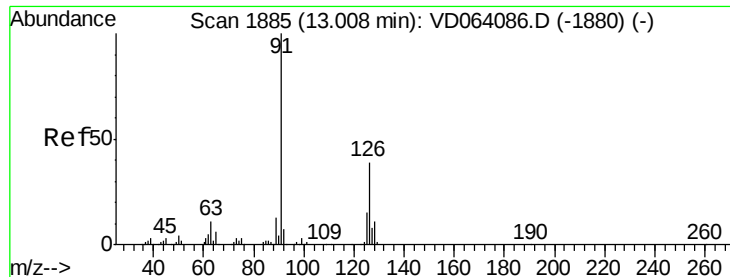
Tot Ion:105 Resp: 1052988
 Ion Ratio Lower Upper
 105 100
 120 50.8 25.8 77.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.629 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD064093.D
 Acq: 29 Oct 2019 17:17

Tgt Ion: 75 Resp: 95958
 Ion Ratio Lower Upper
 75 100
 53 3.8 68.6 103.0#
 89 0.2 36.9 55.3#





#82

4-Chlorotoluene

Concen: 9.931 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.04 min

Lab File: VD064093.D

Acq: 29 Oct 2019 17:17

Instrument :

MSVOA_D

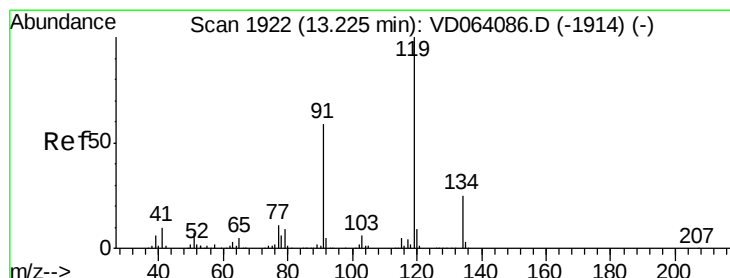
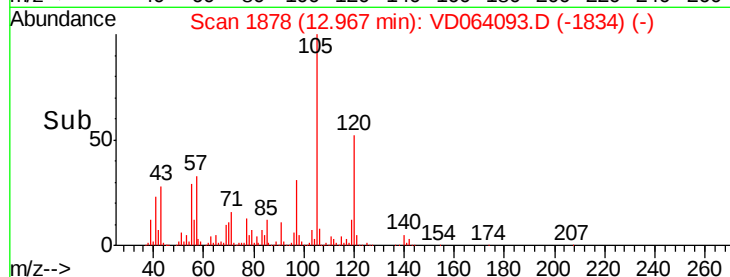
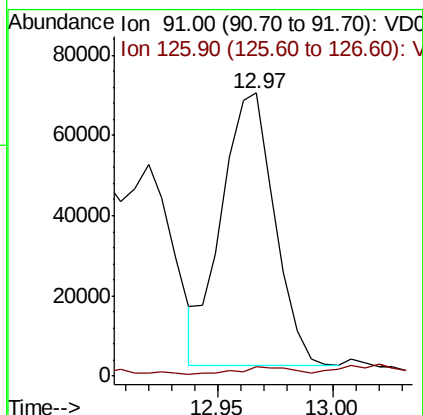
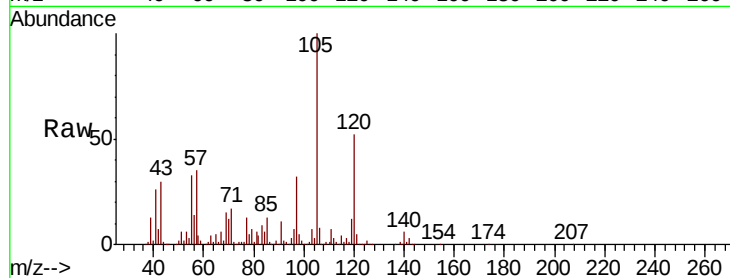
ClientSampleId :

Tot Ion: 91 Resp: 108399

Ion Ratio Lower Upper

91 100

126 3.2 18.9 56.5#



#83

tert-Butylbenzene

Concen: 1.208 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.01 min

Lab File: VD064093.D

Acq: 29 Oct 2019 17:17

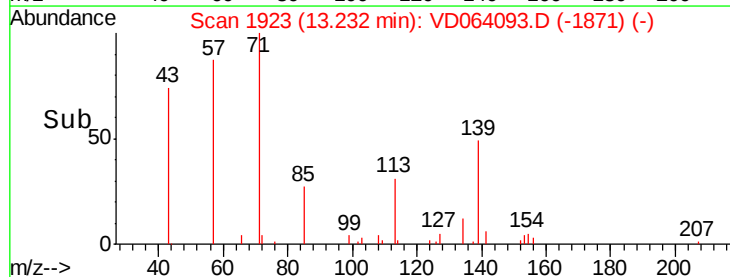
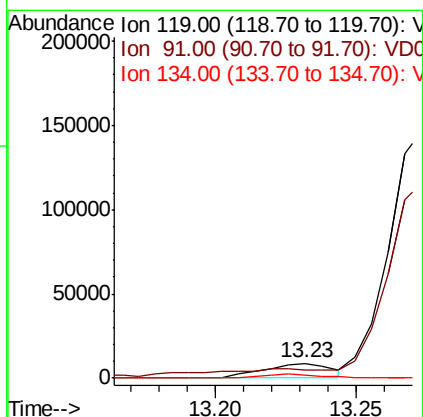
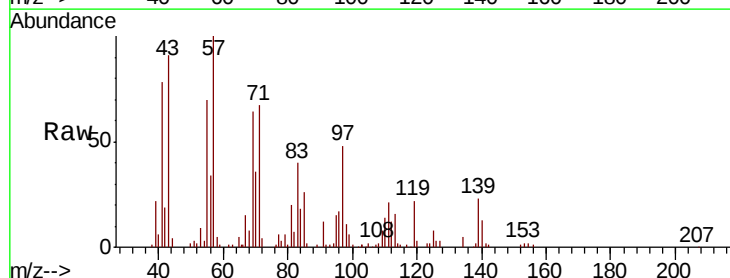
Tgt Ion: 119 Resp: 14761

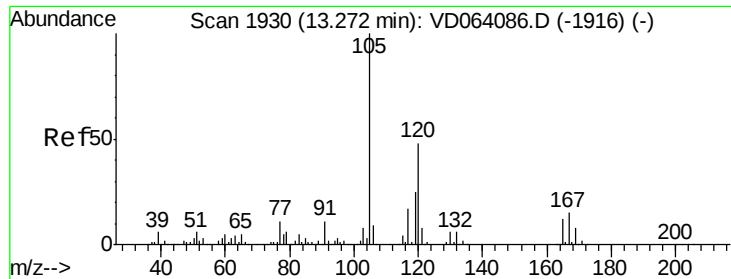
Ion Ratio Lower Upper

119 100

91 74.3 28.3 85.0

134 25.6 12.9 38.6

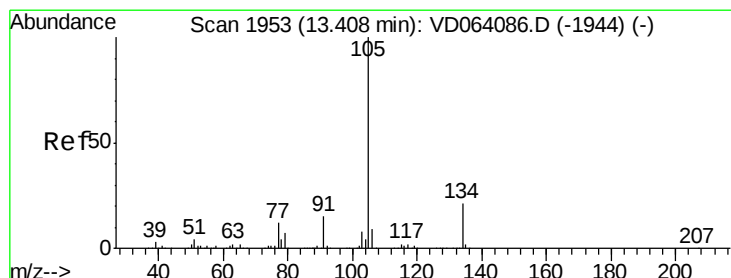
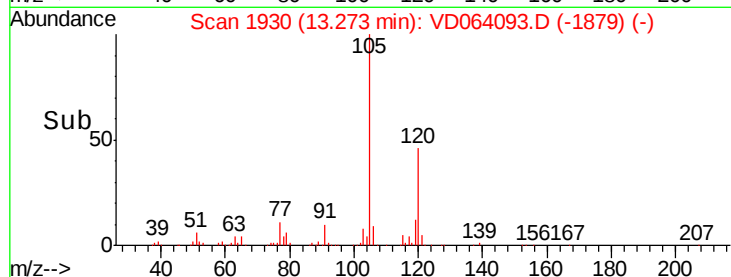
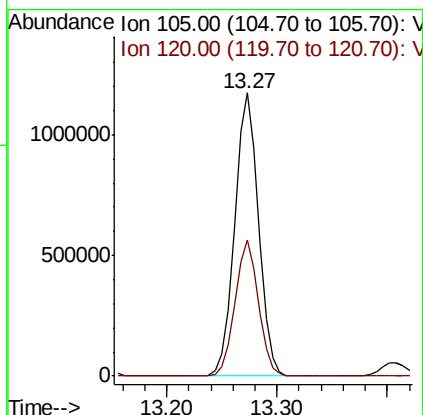
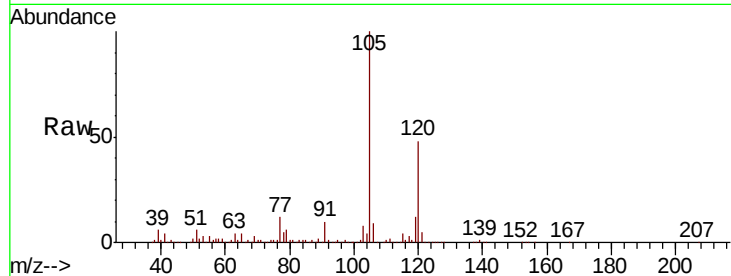




#84
 1,2,4-Trimethylbenzene
 Concen: 129.383 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064093.D
 Acq: 29 Oct 2019 17:17

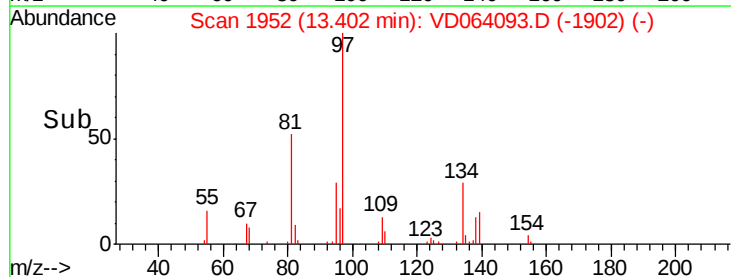
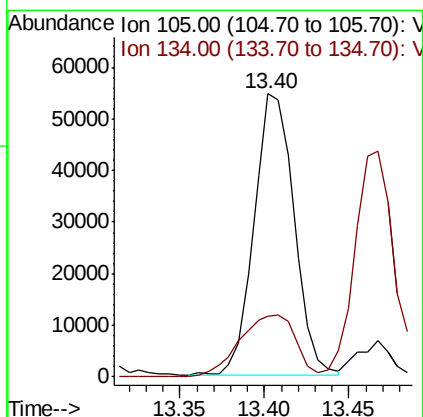
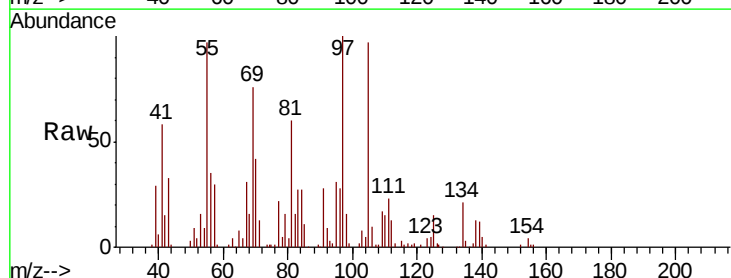
Instrument :
 MSVOA_D
 ClientSampleId :

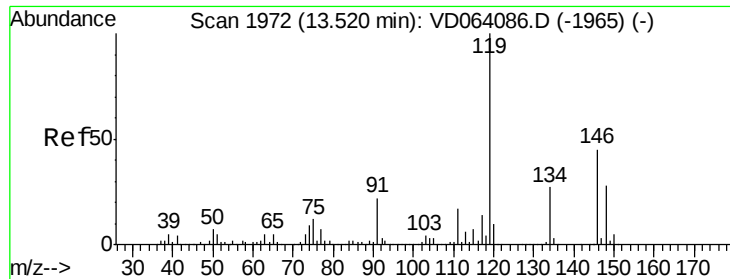
Tot Ion:105 Resp: 1768893
 Ion Ratio Lower Upper
 105 100
 120 47.5 24.1 72.4



#85
 sec-Butylbenzene
 Concen: 5.369 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.01 min
 Lab File: VD064093.D
 Acq: 29 Oct 2019 17:17

Tgt Ion:105 Resp: 90127
 Ion Ratio Lower Upper
 105 100
 134 30.7 10.4 31.2





#86

p-Isopropyltoluene

Concen: 8.708 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD064093.D

Acq: 29 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

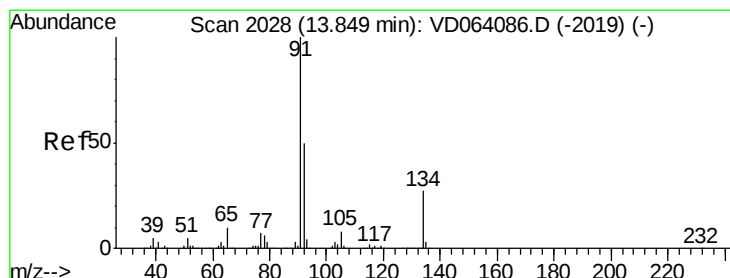
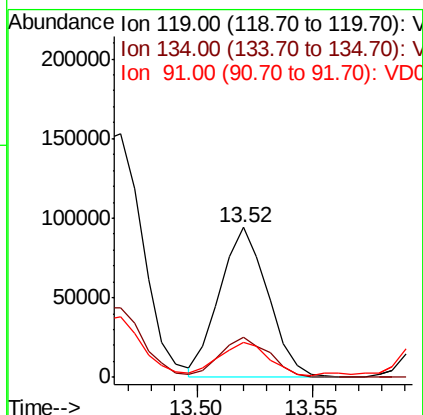
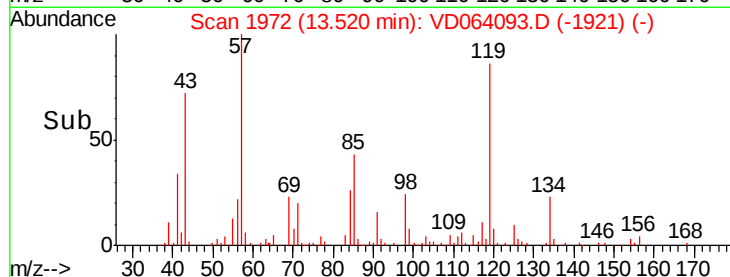
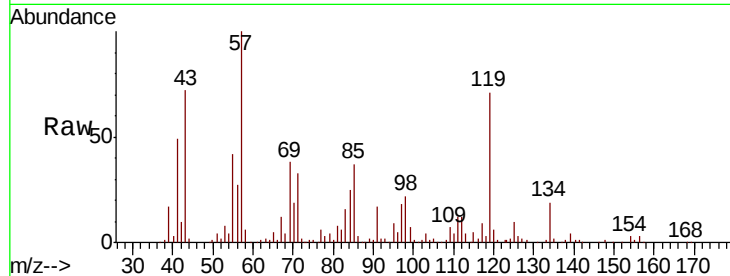
Tot Ion:119 Resp: 137352

Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.8

91 22.0 10.9 32.6



#89

n-Butylbenzene

Concen: 4.301 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.00 min

Lab File: VD064093.D

Acq: 29 Oct 2019 17:17

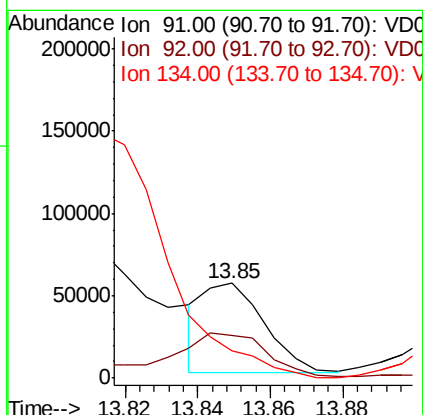
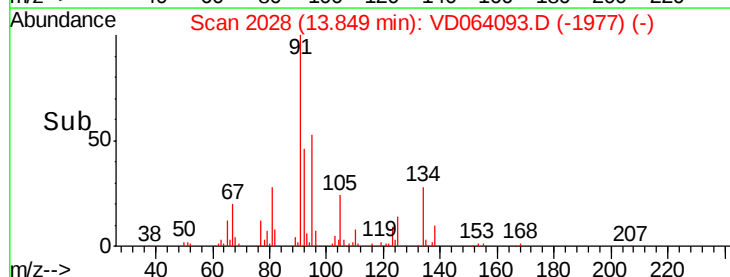
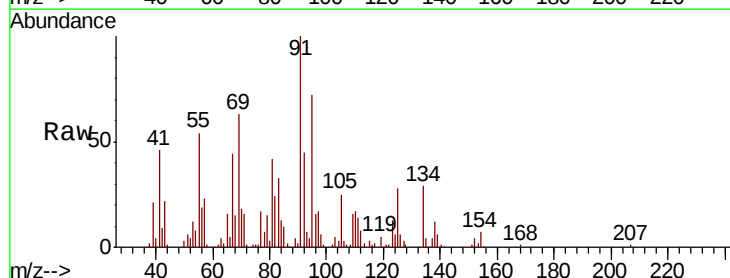
Tgt Ion: 91 Resp: 62568

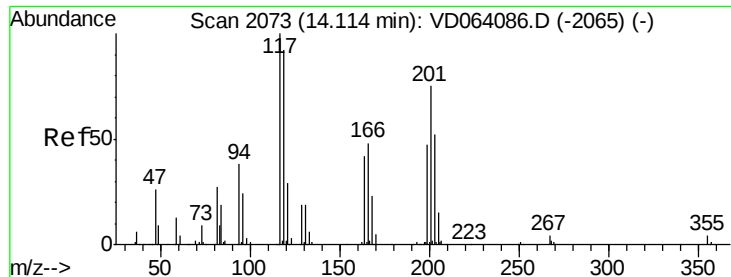
Ion Ratio Lower Upper

91 100

92 83.2 25.6 76.6#

134 0.0 14.0 42.0#





#90

Hexachloroethane

Concen: 15.915 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.01 min

Lab File: VD064093.D

Acq: 29 Oct 2019 17:17

Instrument :

MSVOA_D

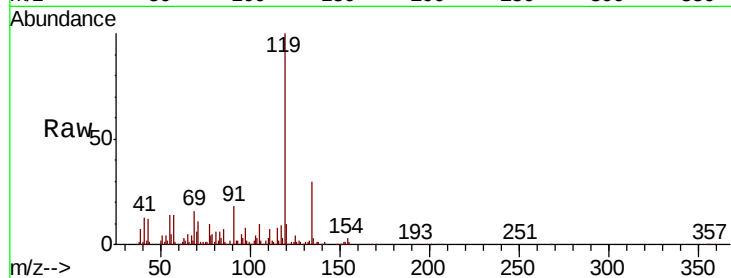
ClientSampleId :

Tot Ion:117 Resp: 46997

Ion Ratio Lower Upper

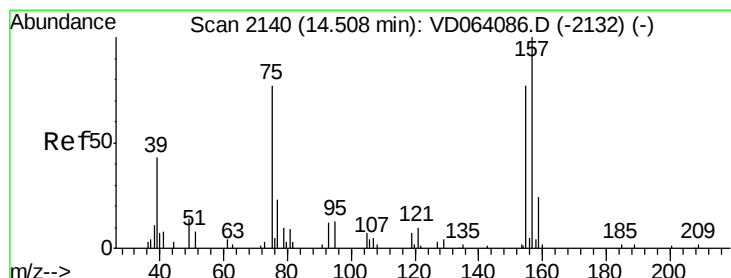
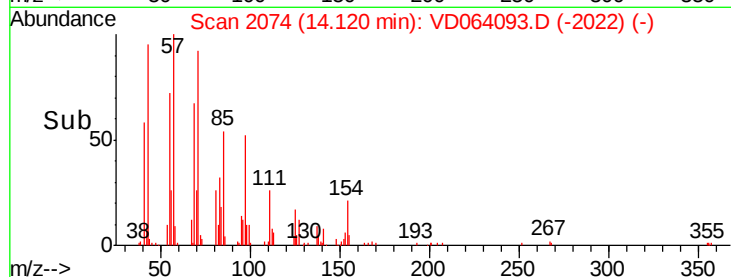
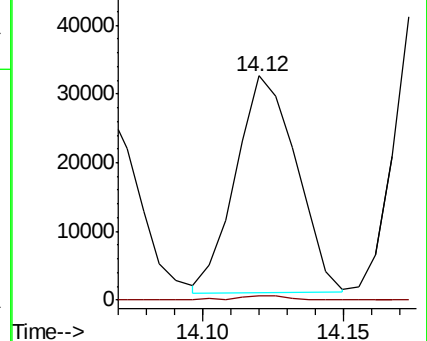
117 100

201 1.5 38.4 115.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.597 ug/l

RT: 14.53 min Scan# 2144

Delta R.T. 0.02 min

Lab File: VD064093.D

Acq: 29 Oct 2019 17:17

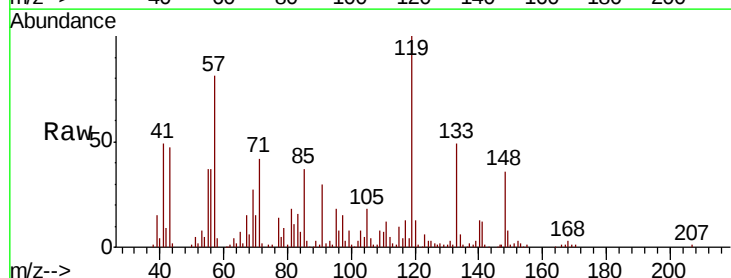
Tgt Ion: 75 Resp: 598

Ion Ratio Lower Upper

75 100

155 264.4 56.3 168.9#

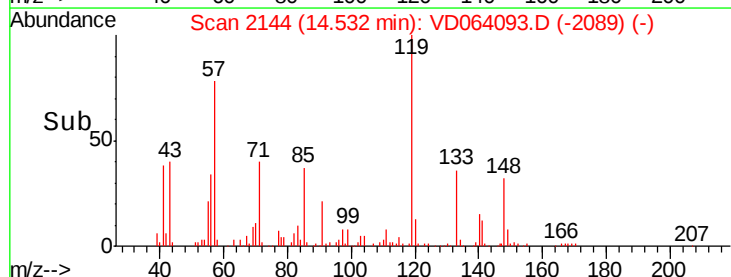
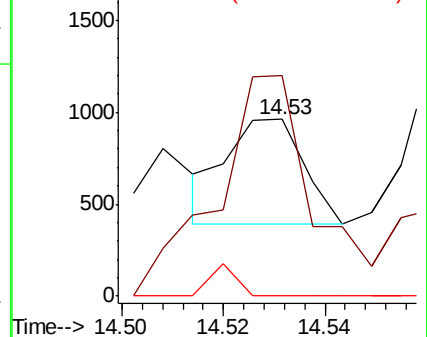
157 10.2 72.2 216.6#

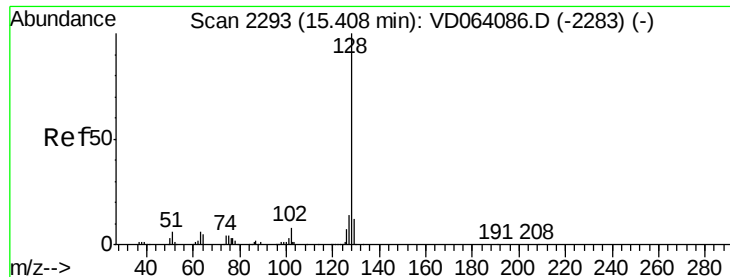


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 1.935 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD064093.D

Acq: 29 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

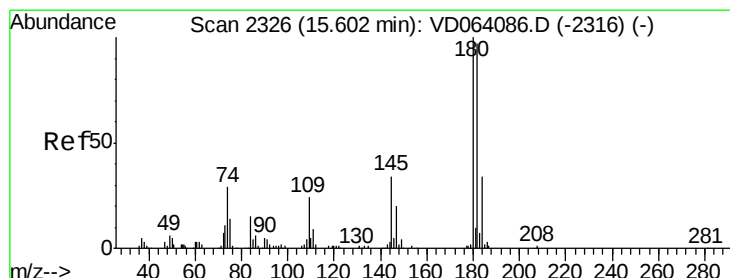
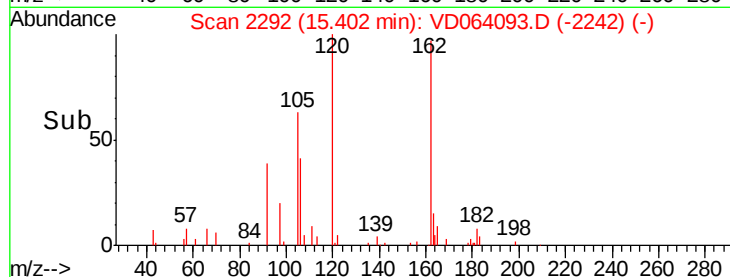
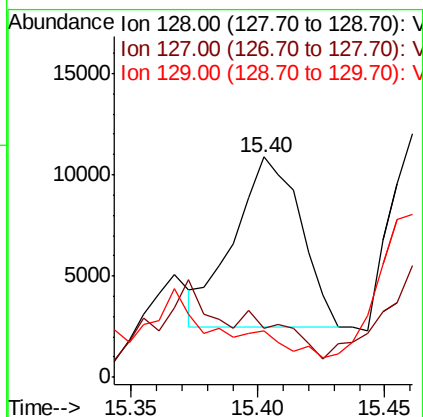
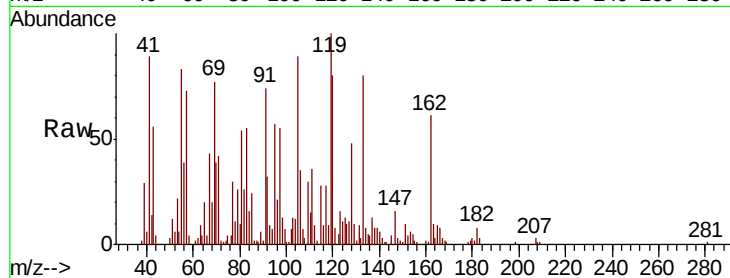
Tot Ion:128 Resp: 15363

Ion Ratio Lower Upper

128 100

127 0.0 10.9 16.3#

129 0.0 8.8 13.2#



#96

1,2,3-Trichlorobenzene

Concen: 1.358 ug/l

RT: 15.62 min Scan# 2329

Delta R.T. 0.02 min

Lab File: VD064093.D

Acq: 29 Oct 2019 17:17

Tgt Ion:180 Resp: 5726

Ion Ratio Lower Upper

180 100

182 6.8 48.4 145.0#

145 0.0 16.4 49.4#

