

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082418\
 Data File : VD059904.D
 Acq On : 24 Aug 2018 13:57
 Operator : JC/SY
 Sample : J4559-06RE
 Misc : 5.20g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 24 14:47:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	232946	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.42	114	422818	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	241295	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	66237	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	200100	101.92	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	203.84%	
35) Dibromofluoromethane	6.30	113	188012	56.72	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	113.44%	
50) Toluene-d8	9.44	98	299950	32.60	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	65.20%	
62) 4-Bromofluorobenzene	12.41	95	90171	24.13	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	48.26%	

Target Compounds

						Qvalue
10) Methyl Iodide	3.24	142	648	4.006	ug/l #	31
11) Tert butyl alcohol	3.93	59	1031	6.882	ug/l #	75
13) Acrolein	2.97	56	1302	20.038	ug/l #	11
15) Acrylonitrile	4.08	53	1388	2.474	ug/l #	75
16) Acetone	3.14	43	15090	42.186	ug/l	96
18) Methyl Acetate	3.52	43	2575	3.448	ug/l #	66
20) Methylene Chloride	3.70	84	35632	12.104	ug/l	96
25) 2-Butanone	5.60	43	14842	14.010	ug/l	93
29) Tetrahydrofuran	5.94	42	5025	9.963	ug/l #	64
31) Cyclohexane	6.34	56	4719	1.262	ug/l #	46
36) 1,1-Dichloropropene	6.38	75	18188	4.745	ug/l #	46
37) Ethyl Acetate	5.60	43	14842	4.976	ug/l #	71
38) Carbon Tetrachloride	6.39	117	19952	5.158	ug/l #	12
39) Methylcyclohexane	8.02	83	4473	1.080	ug/l	92
41) Methacrylonitrile	5.93	41	4280	2.849	ug/l #	79
43) Isopropyl Acetate	8.38	43	8149	2.100	ug/l #	49
51) 4-Methyl-2-Pentanone	9.33	43	16624	5.747	ug/l #	85
58) 2-Chloroethyl Vinyl ether	8.91	63	2031	1.570	ug/l #	50
59) 2-Hexanone	10.43	43	18080	8.474	ug/l #	30
67) Ethyl Benzene	11.42	91	72915	9.039	ug/l	97
68) m/p-Xylenes	11.55	106	274991	93.628	ug/l	90
69) o-Xylene	11.92	106	34742	12.094	ug/l	89
73) Isopropylbenzene	12.27	105	17592	4.161	ug/l	97
74) N-aryl acetate	12.20	43	78621	42.467	ug/l #	68
75) 1,1,2,2-Tetrachloroethane	12.57	83	18236	18.646	ug/l #	51
76) 1,2,3-Trichloropropane	12.58	75	1399	1.359	ug/l #	1
78) n-propylbenzene	12.63	91	10616	1.983	ug/l	97
79) 2-Chlorotoluene	12.80	91	6050	1.998	ug/l	99
80) 1,3,5-Trimethylbenzene	12.79	105	23053	6.858	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.41	75	38851	121.321	ug/l #	14
82) 4-Chlorotoluene	12.80	91	5497	1.592	ug/l	97
84) 1,2,4-Trimethylbenzene	13.08	105	48042	13.711	ug/l	100
85) sec-Butylbenzene	13.21	105	25335	5.626	ug/l	98
86) p-Isopropyltoluene	13.33	119	14780	4.036	ug/l	88

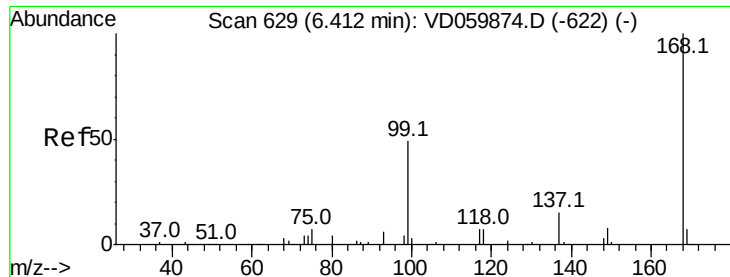
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082418\
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Quant Title : SW846 8260
QLast Update : Thu Aug 23 03:03:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) 1,4-Dichlorobenzene	13.38	146	2672	1.280	ug/l #	1
89) n-Butylbenzene	13.63	91	23432	4.939	ug/l	87
90) Hexachloroethane	13.84	117	2892	2.941	ug/l #	11
91) 1,2-Dichlorobenzene	13.65	146	1862	1.046	ug/l #	3
92) 1,2-Dibromo-3-Chloropropan	14.18	75	916	6.092	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.78	180	3157	2.072	ug/l #	45
95) Naphthalene	14.96	128	20058	8.614	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.10	180	5515	4.232	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 627

Delta R.T. -0.02 min

Lab File: VD059904.D

Acq: 24 Aug 2018 13:57

Instrument :

MSVOA_D

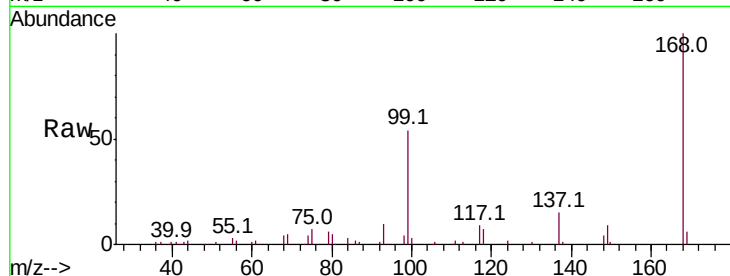
ClientSampled :

Tot Ion:168 Resp: 232946

Ion Ratio Lower Upper

168 100

99 54.0 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

6.39

80000

60000

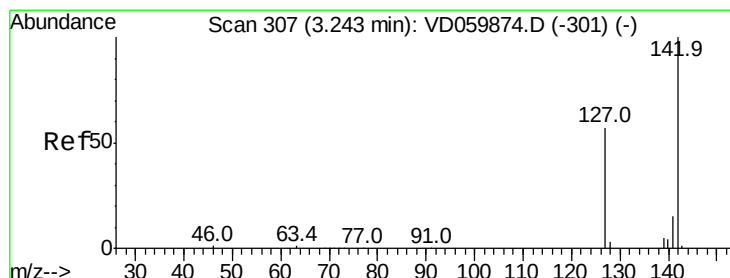
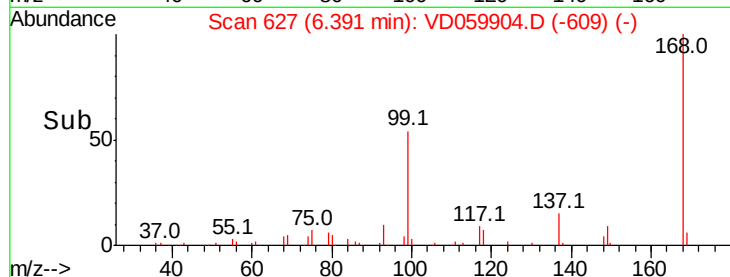
40000

20000

0

Time-->

6.30 6.40 6.50 6.60



#10

Methyl Iodide

Concen: 4.006 ug/l

RT: 3.24 min Scan# 307

Delta R.T. -0.00 min

Lab File: VD059904.D

Acq: 24 Aug 2018 13:57

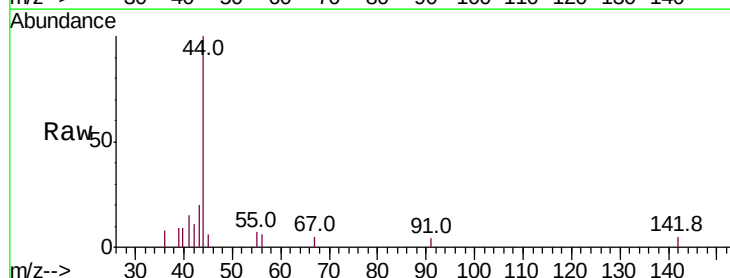
Tgt Ion:142 Resp: 648

Ion Ratio Lower Upper

142 100

127 0.0 45.8 68.6#

141 0.0 11.6 17.4#



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

3.24

500

400

300

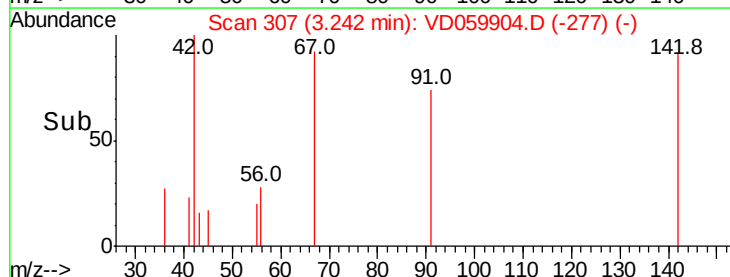
200

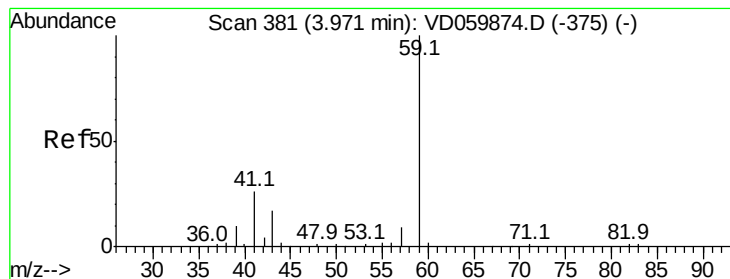
100

0

Time-->

3.20 3.25 3.30



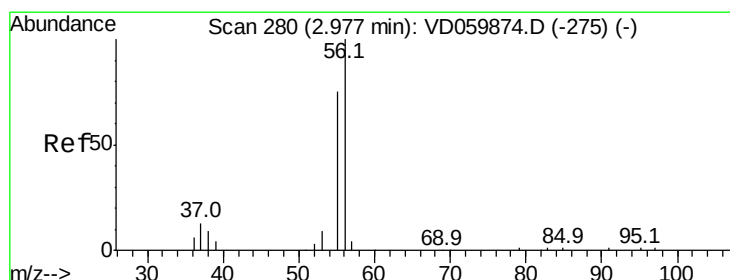
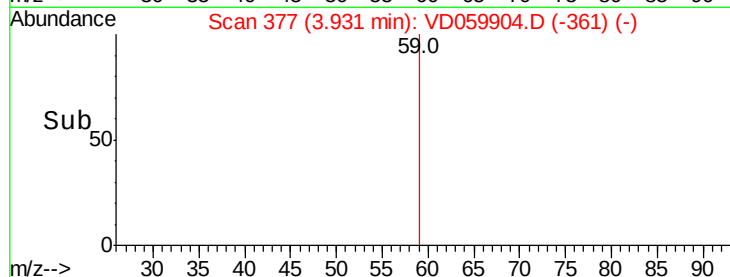
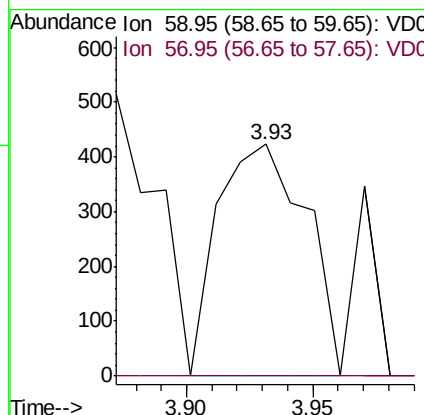
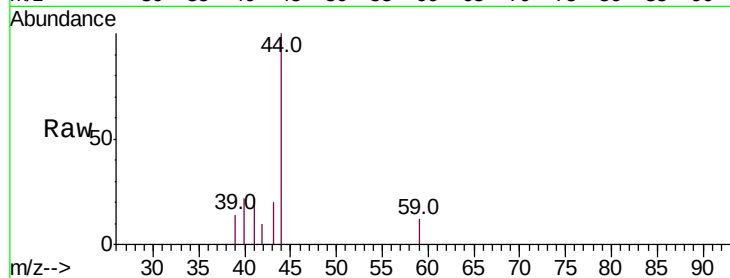


#11

Tert butyl alcohol
 Concen: 6.882 ug/l
 RT: 3.93 min Scan# 377
 Delta R.T. -0.04 min
 Lab File: VD059904.D
 Acq: 24 Aug 2018 13:57

Instrument :
 MSVOA_D
 ClientSampled :

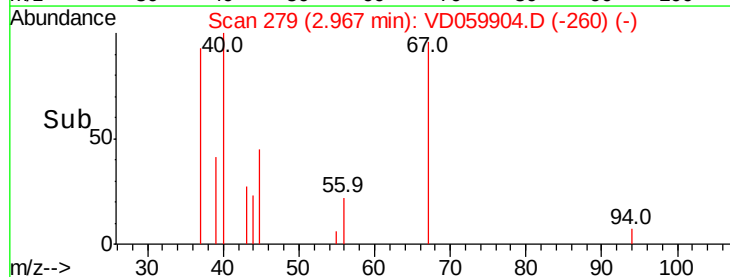
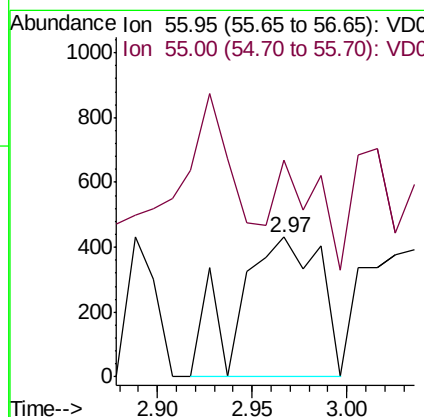
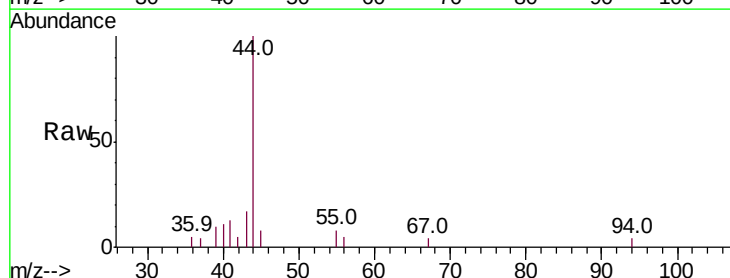
Tot Ion: 59 Resp: 1031
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.0#

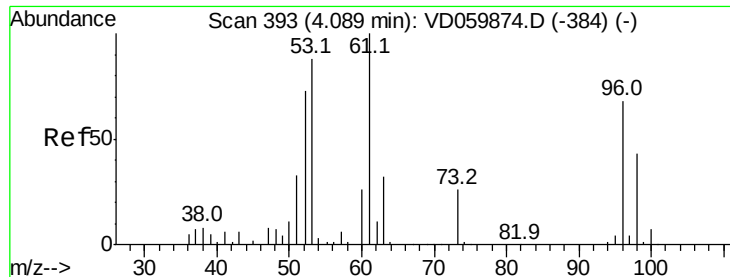


#13

Acrolein
 Concen: 20.038 ug/l
 RT: 2.97 min Scan# 279
 Delta R.T. -0.01 min
 Lab File: VD059904.D
 Acq: 24 Aug 2018 13:57

Tgt Ion: 56 Resp: 1302
 Ion Ratio Lower Upper
 56 100
 55 154.6 61.9 92.9#





#15

Acrylonitrile

Concen: 2.474 ug/l

RT: 4.08 min Scan# 392

Delta R.T. -0.01 min

Lab File: VD059904.D

Acq: 24 Aug 2018 13:57

Instrument :
MSVOA_D
ClientSampled :

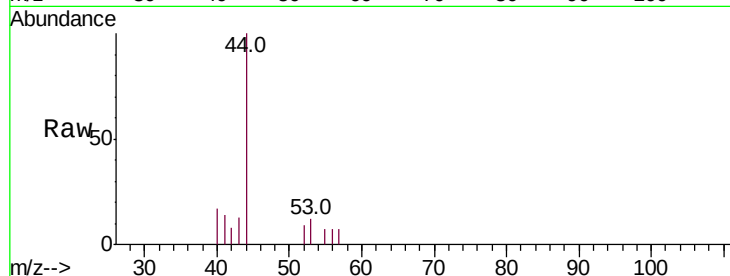
Tot Ion: 53 Resp: 1388

Ion Ratio Lower Upper

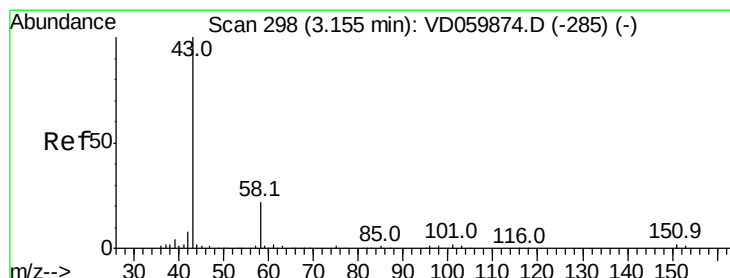
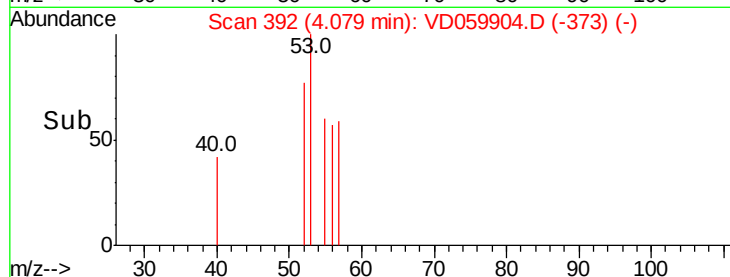
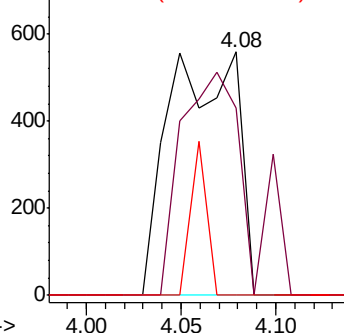
53 100

52 77.1 66.9 100.3

51 0.0 30.3 45.5#



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: 42.186 ug/l

RT: 3.14 min Scan# 297

Delta R.T. -0.01 min

Lab File: VD059904.D

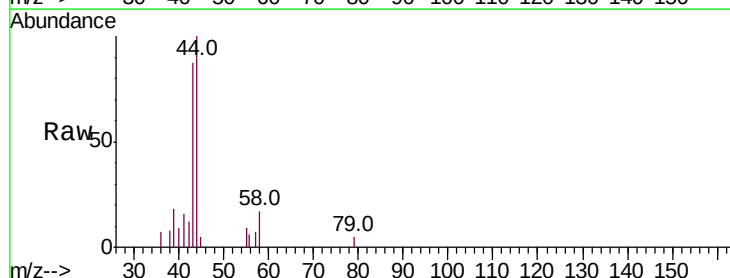
Acq: 24 Aug 2018 13:57

Tgt Ion: 43 Resp: 15090

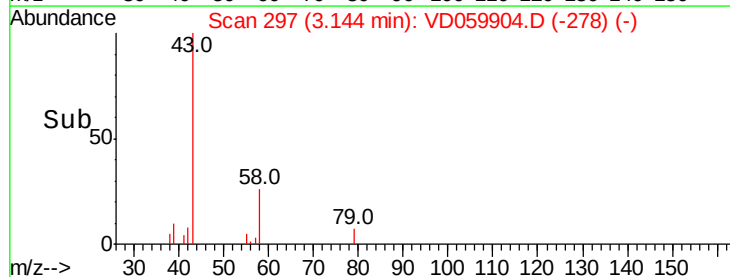
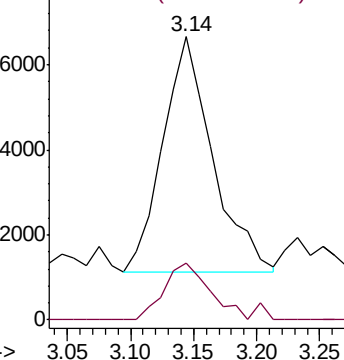
Ion Ratio Lower Upper

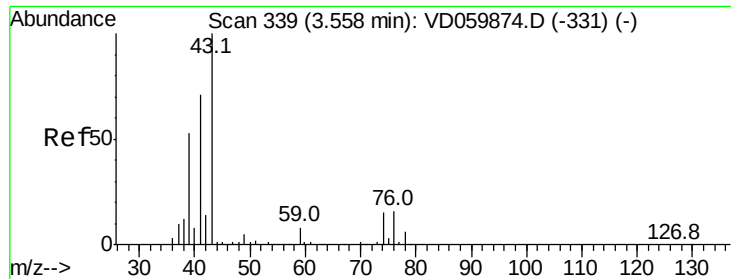
43 100

58 19.9 17.6 26.4



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

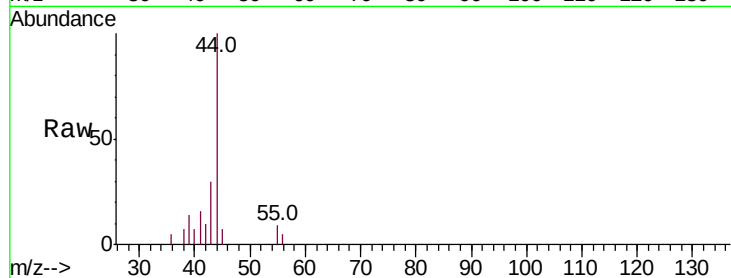




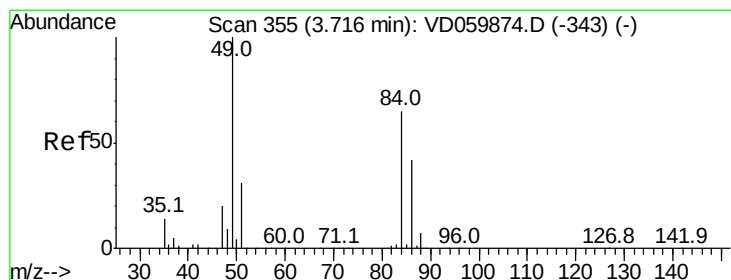
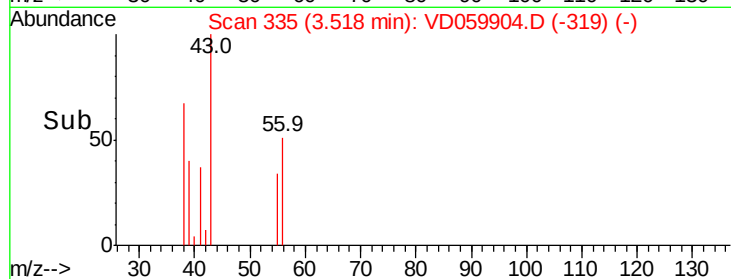
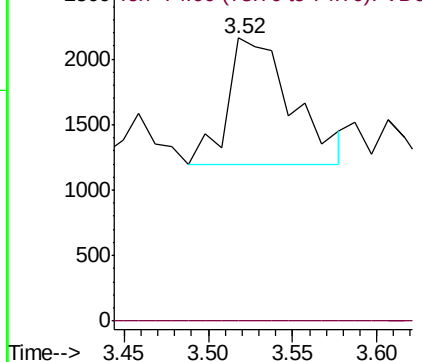
#18
Methyl Acetate
Concen: 3.448 ug/l
RT: 3.52 min Scan# 335
Delta R.T. -0.04 min
Lab File: VD059904.D
Acq: 24 Aug 2018 13:57

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 2575
Ion Ratio Lower Upper
43 100
74 0.0 11.2 16.8#

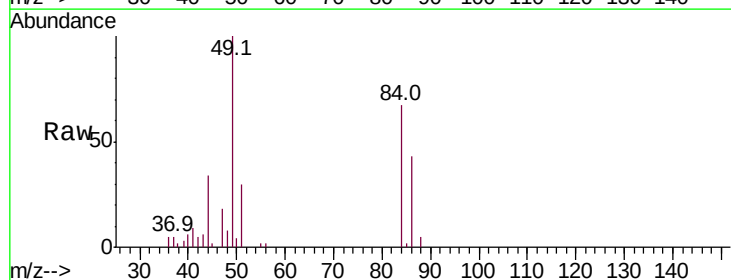


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

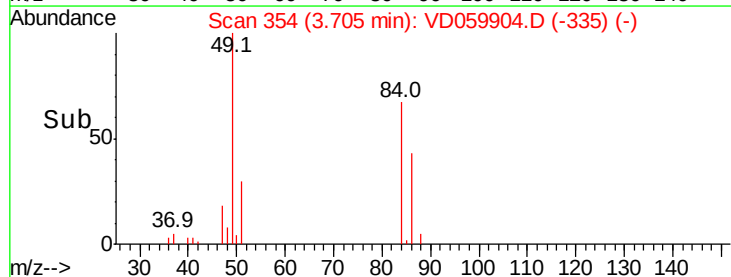
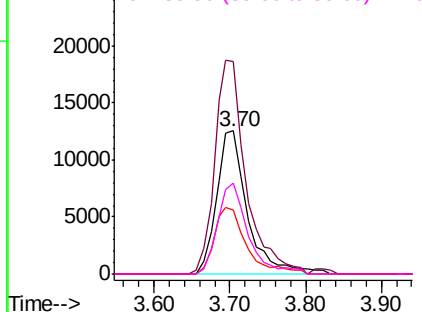


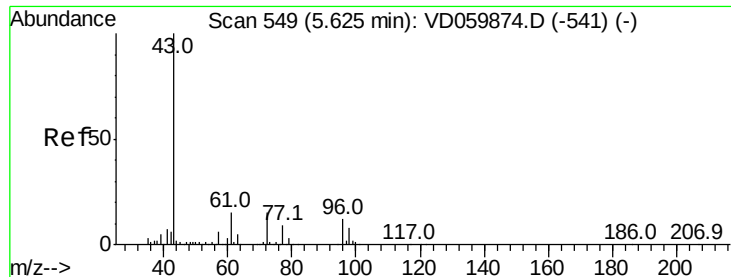
#20
Methylene Chloride
Concen: 12.104 ug/l
RT: 3.70 min Scan# 354
Delta R.T. -0.01 min
Lab File: VD059904.D
Acq: 24 Aug 2018 13:57

Tgt Ion: 84 Resp: 35632
Ion Ratio Lower Upper
84 100
49 148.2 122.6 183.8
51 44.4 38.4 57.6
86 63.1 51.5 77.3



Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC





#25

2-Butanone

Concen: 14.010 ug/l

RT: 5.60 min Scan# 547

Delta R.T. -0.02 min

Lab File: VD059904.D

Acq: 24 Aug 2018 13:57

Instrument :

MSVOA_D

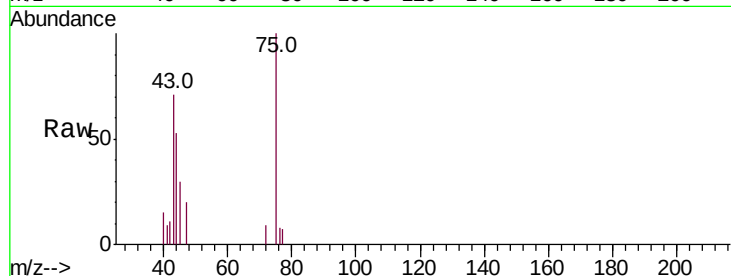
ClientSampled :

Tot Ion: 43 Resp: 14842

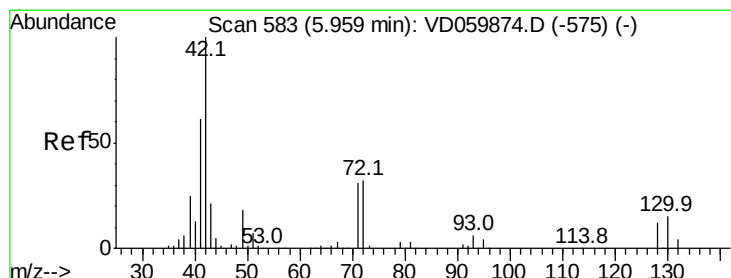
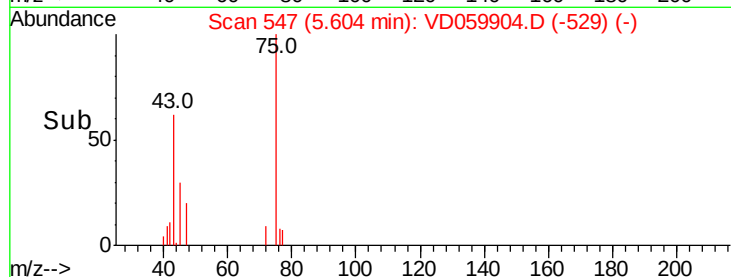
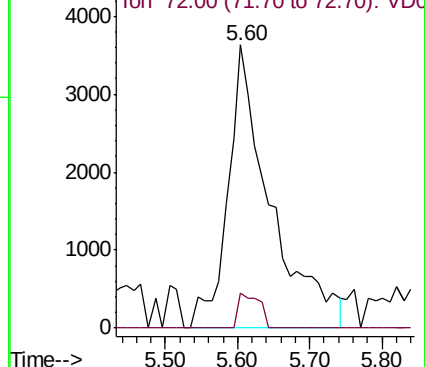
Ion Ratio Lower Upper

43 100

72 12.3 12.3 18.5



Abundance Ion 42.95 (42.65 to 43.65): VDC



#29

Tetrahydrofuran

Concen: 9.963 ug/l

RT: 5.94 min Scan# 581

Delta R.T. -0.02 min

Lab File: VD059904.D

Acq: 24 Aug 2018 13:57

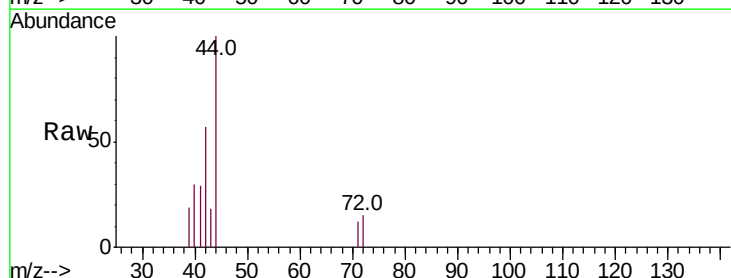
Tgt Ion: 42 Resp: 5025

Ion Ratio Lower Upper

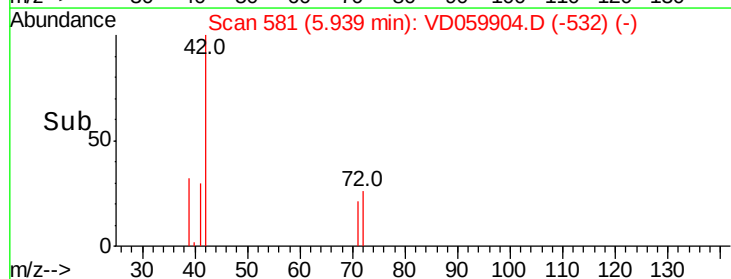
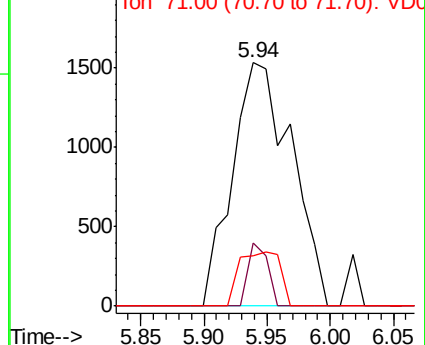
42 100

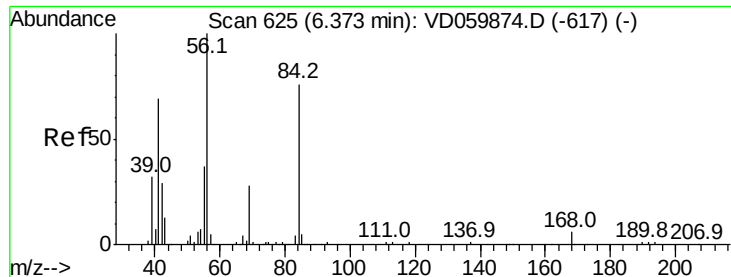
72 8.4 25.7 38.5#

71 15.2 25.3 37.9#



Abundance Ion 42.00 (41.70 to 42.70): VDC

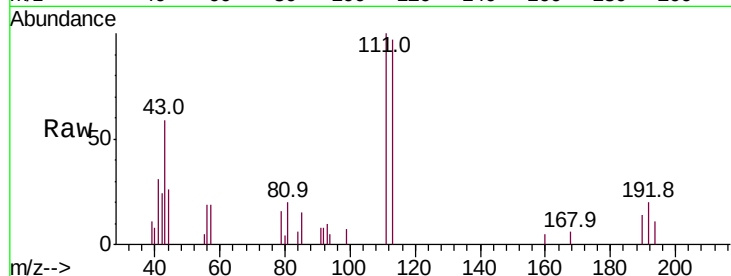




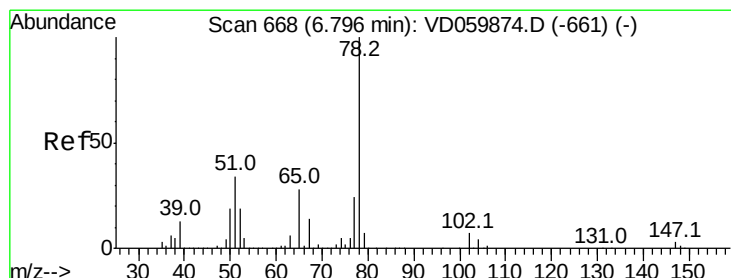
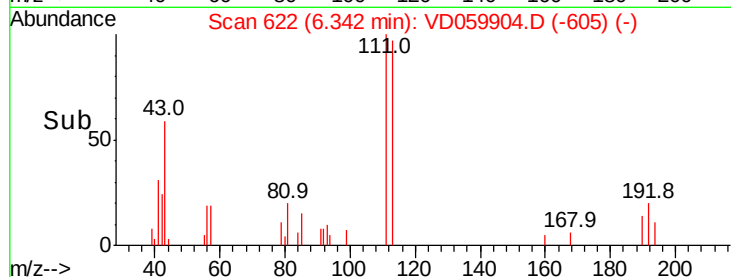
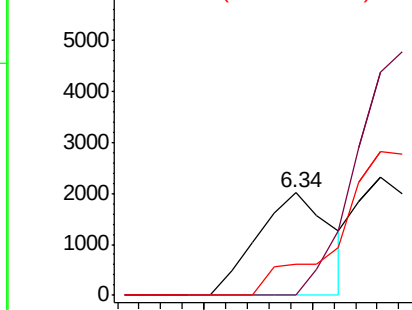
#31
Cyclohexane
Concen: 1.262 ug/l
RT: 6.34 min Scan# 622
Delta R.T. -0.03 min
Lab File: VD059904.D
Acq: 24 Aug 2018 13:57

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 4719
Ion Ratio Lower Upper
56 100
69 0.0 22.4 33.6#
84 30.5 62.1 93.1#

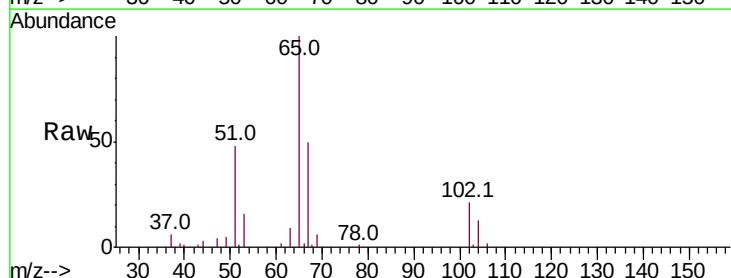


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

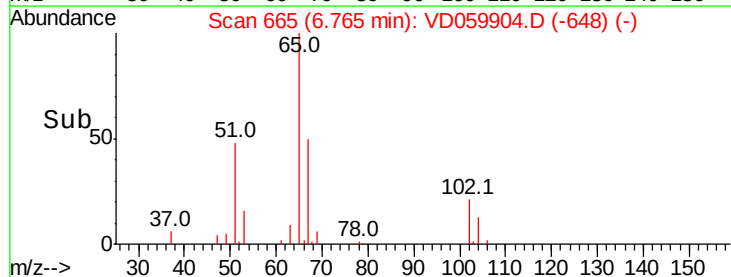
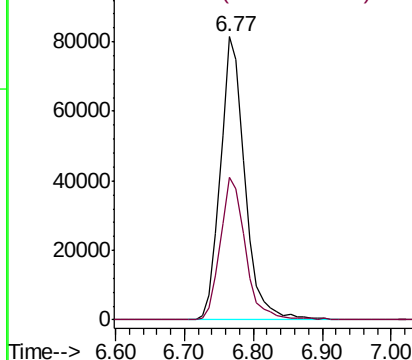


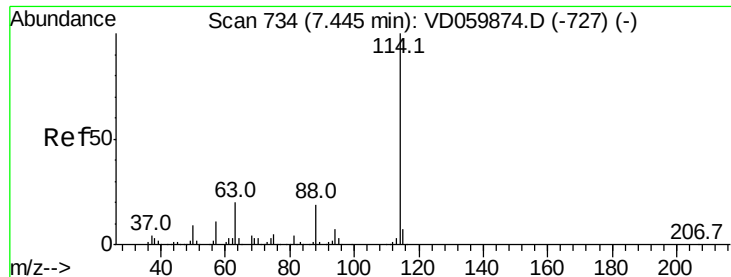
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.77 min Scan# 665
Delta R.T. -0.03 min
Lab File: VD059904.D
Acq: 24 Aug 2018 13:57

Tgt Ion: 65 Resp: 200100
Ion Ratio Lower Upper
65 100
67 50.5 0.0 103.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.42 min Scan# 732

Delta R.T. -0.02 min

Lab File: VD059904.D

Acq: 24 Aug 2018 13:57

Instrument :

MSVOA_D

ClientSampleId :

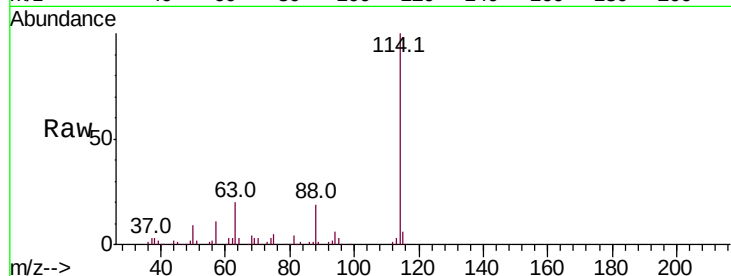
Tot Ion:114 Resp: 422818

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.4

88 19.2 0.0 37.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V

250000

200000

150000

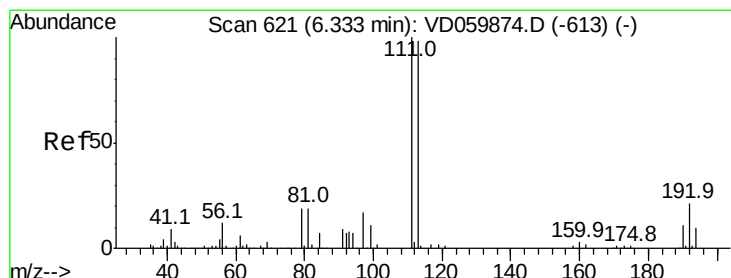
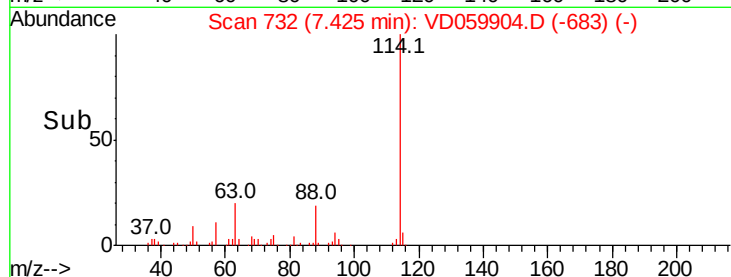
100000

50000

0

7.30 7.40 7.50 7.60

Time-->



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.30 min Scan# 618

Delta R.T. -0.03 min

Lab File: VD059904.D

Acq: 24 Aug 2018 13:57

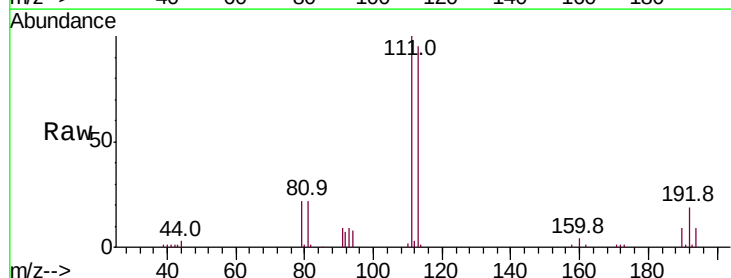
Tgt Ion:113 Resp: 188012

Ion Ratio Lower Upper

113 100

111 105.2 81.4 122.2

192 20.1 17.0 25.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

100000

80000

60000

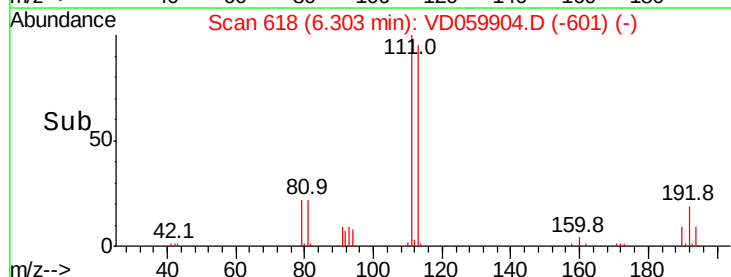
40000

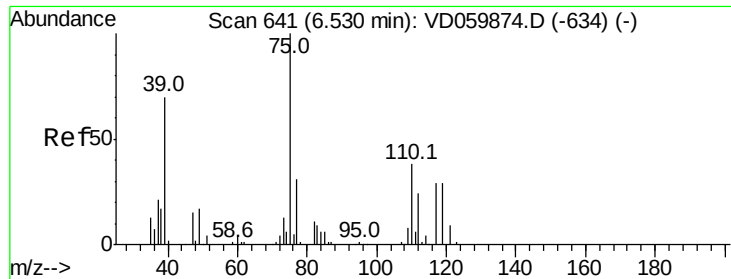
20000

0

6.20 6.30 6.40 6.50

Time-->





#36

1,1-Dichloropropene

Concen: 4.745 ug/l

RT: 6.38 min Scan# 626

Delta R.T. -0.15 min

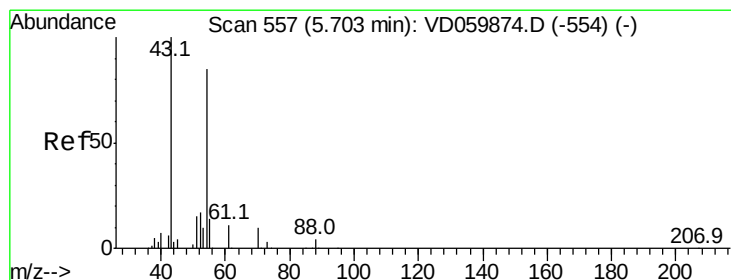
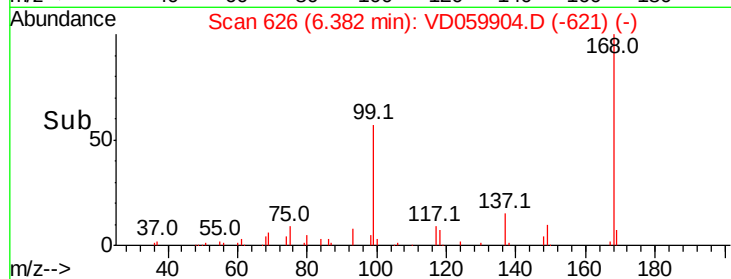
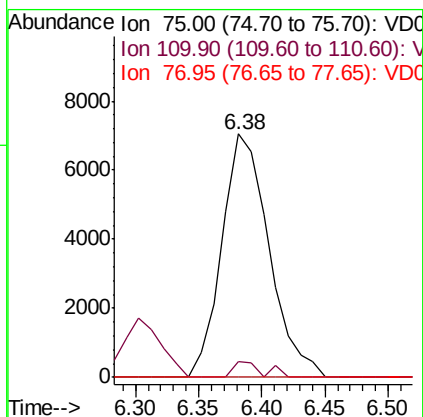
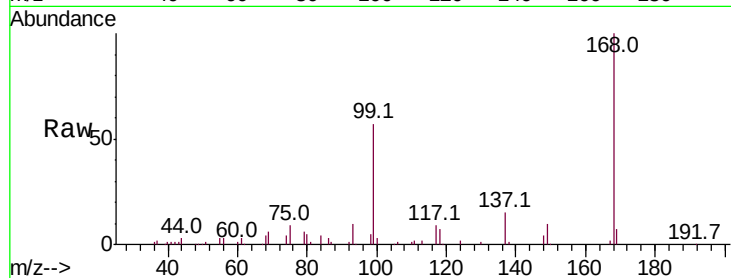
Lab File: VD059904.D

Acq: 24 Aug 2018 13:57

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 75 Resp: 18188

Ion	Ratio	Lower	Upper
75	100		
110	6.4	18.6	56.0#
77	0.0	25.1	37.7#



#37

Ethyl Acetate

Concen: 4.976 ug/l

RT: 5.60 min Scan# 547

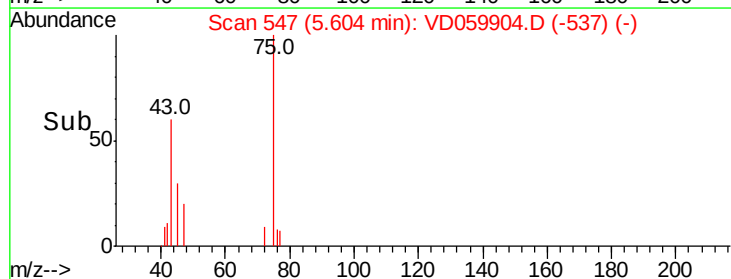
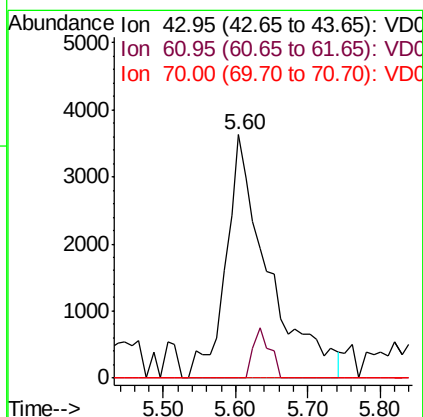
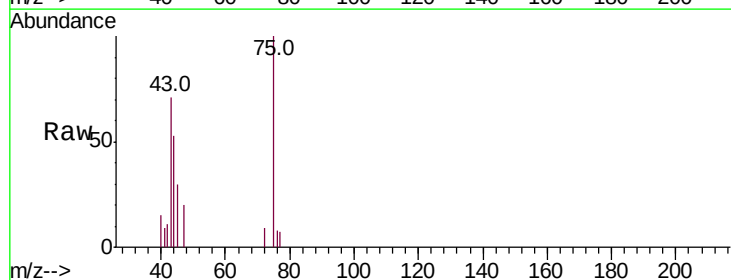
Delta R.T. -0.10 min

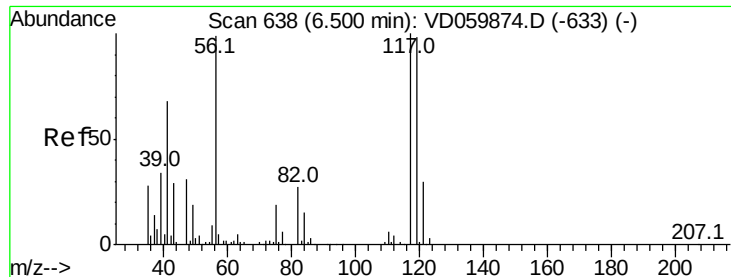
Lab File: VD059904.D

Acq: 24 Aug 2018 13:57

Tgt Ion: 43 Resp: 14842

Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.0	16.6#
70	0.0	5.7	8.5#

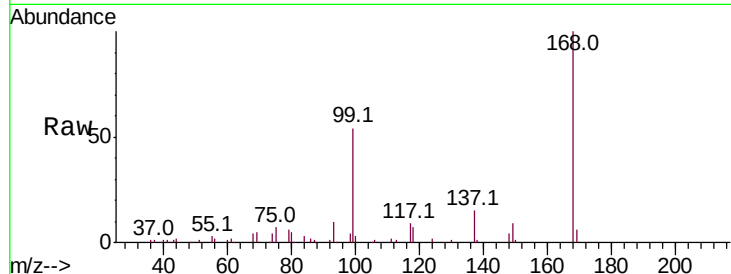




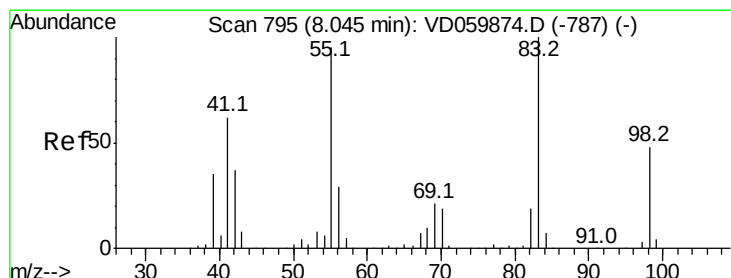
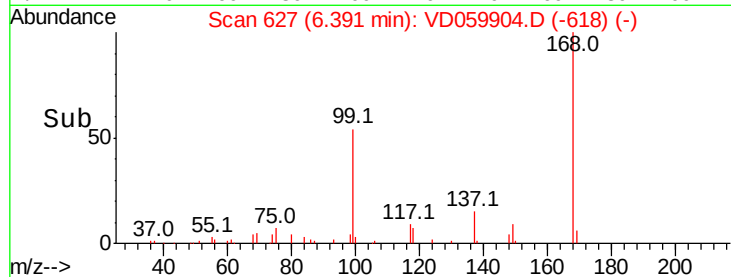
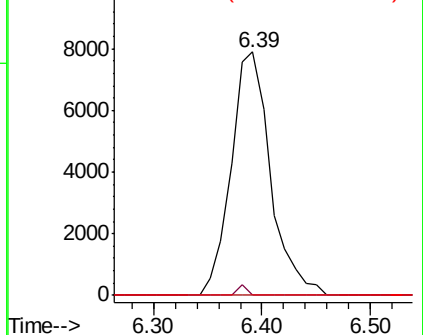
#38
Carbon Tetrachloride
Concen: 5.158 ug/l
RT: 6.39 min Scan# 627
Delta R.T. -0.11 min
Lab File: VD059904.D
Acq: 24 Aug 2018 13:57

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 19952
Ion Ratio Lower Upper
117 100
119 0.0 77.2 115.8#
121 0.0 24.0 36.0#

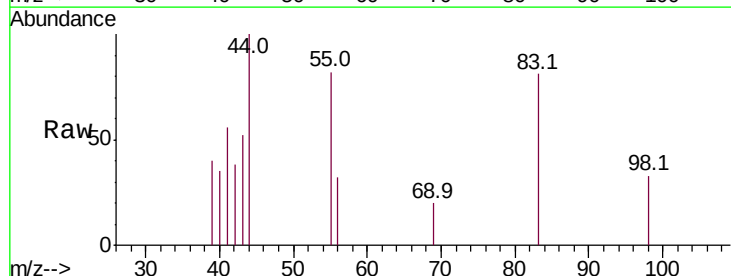


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

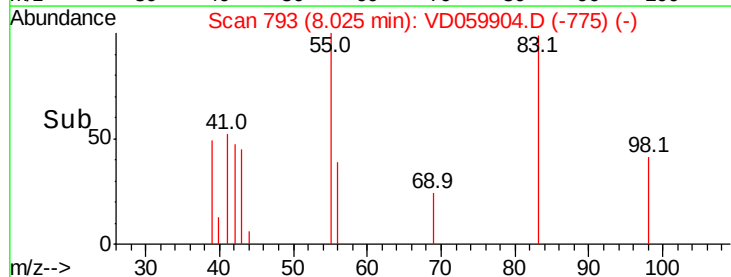
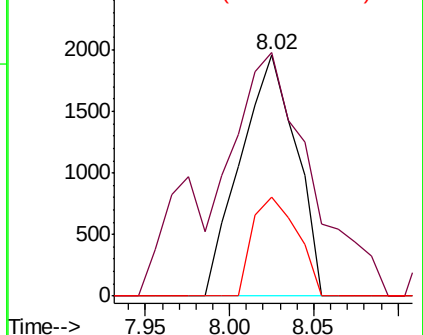


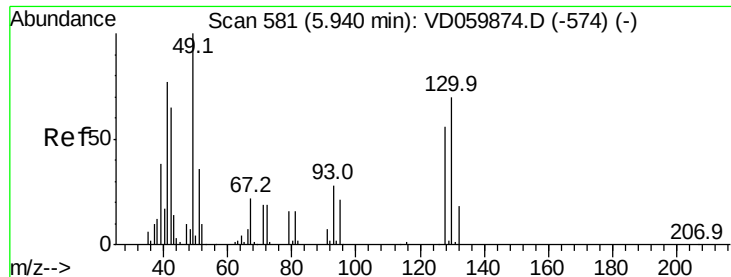
#39
Methylcyclohexane
Concen: 1.080 ug/l
RT: 8.02 min Scan# 793
Delta R.T. -0.02 min
Lab File: VD059904.D
Acq: 24 Aug 2018 13:57

Tgt Ion: 83 Resp: 4473
Ion Ratio Lower Upper
83 100
55 100.8 75.8 113.6
98 41.1 38.3 57.5



Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

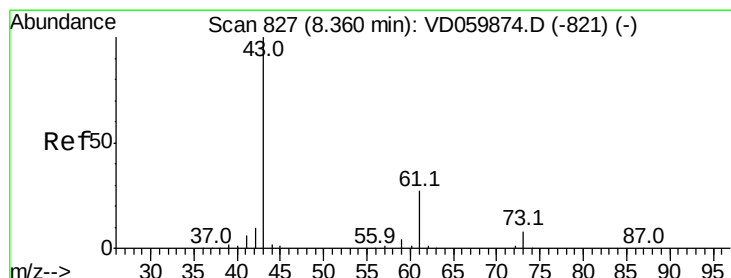
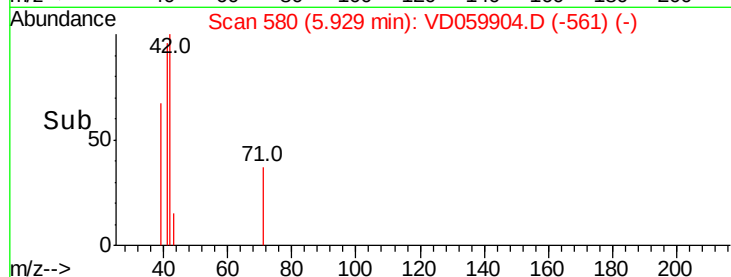
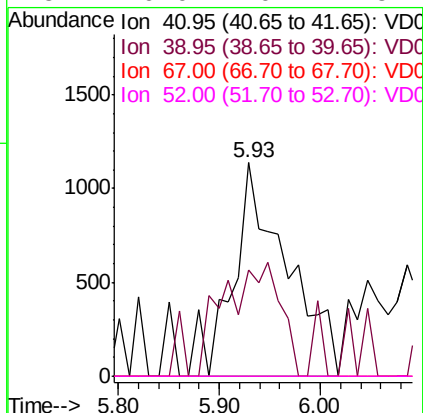
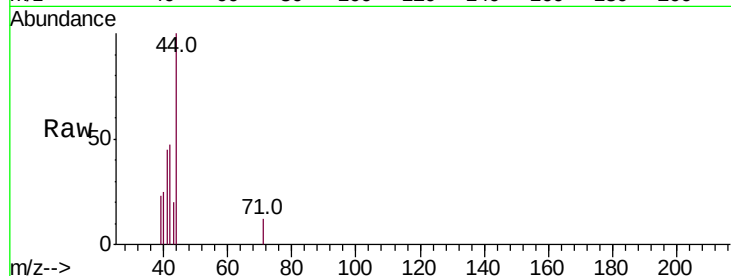




#41
Methacrylonitrile
Concen: 2.849 ug/l
RT: 5.93 min Scan# 580
Delta R.T. -0.01 min
Lab File: VD059904.D
Acq: 24 Aug 2018 13:57

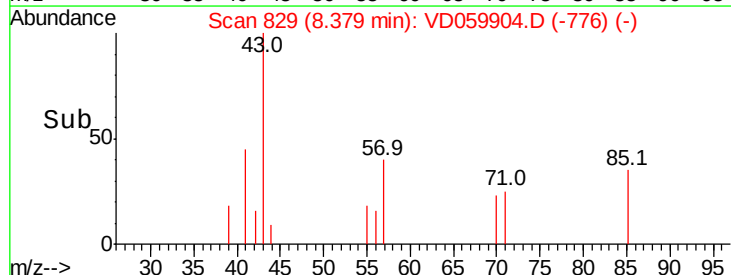
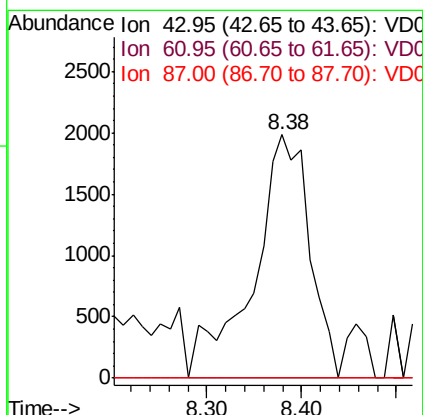
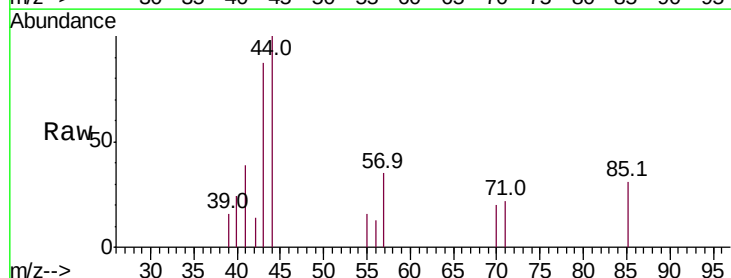
Instrument :
MSVOA_D
ClientSampleId :

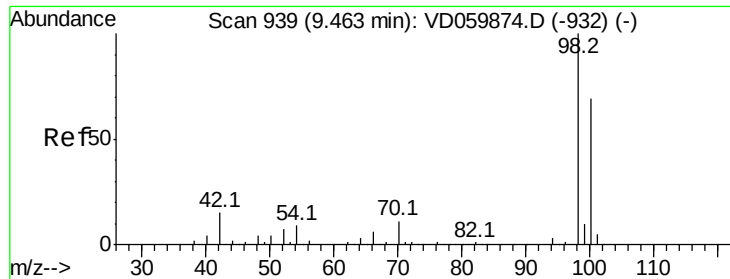
Tot Ion: 41 Resp: 4280
Ion Ratio Lower Upper
41 100
39 50.0 39.4 59.2
67 0.0 22.2 33.2#
52 0.0 10.1 15.1#



#43
Isopropyl Acetate
Concen: 2.100 ug/l
RT: 8.38 min Scan# 829
Delta R.T. 0.02 min
Lab File: VD059904.D
Acq: 24 Aug 2018 13:57

Tgt Ion: 43 Resp: 8149
Ion Ratio Lower Upper
43 100
61 0.0 21.4 32.2#
87 0.0 0.2 0.4#

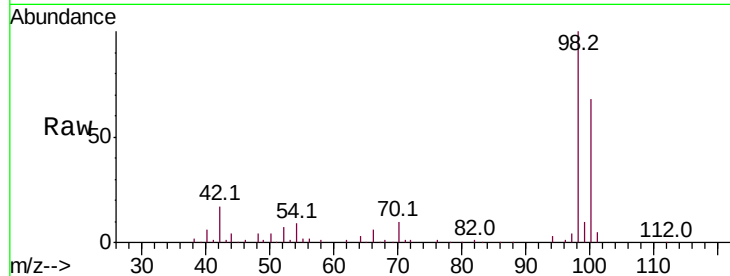




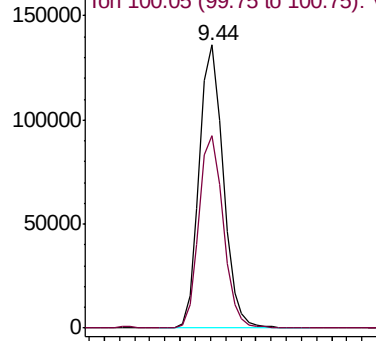
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.44 min Scan# 937
Delta R.T. -0.02 min
Lab File: VD059904.D
Acq: 24 Aug 2018 13:57

Instrument :
MSVOA_D
ClientSampleId :

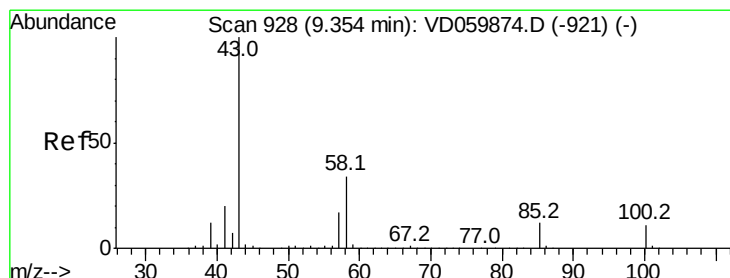
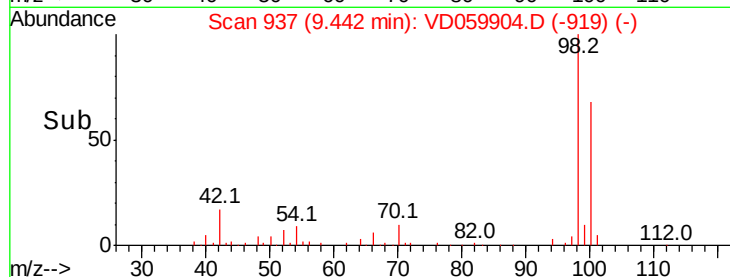
Tot Ion: 98 Resp: 299950
Ion Ratio Lower Upper
98 100
100 67.8 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

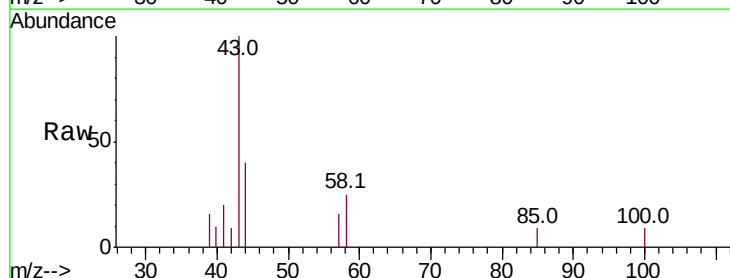


Time-->

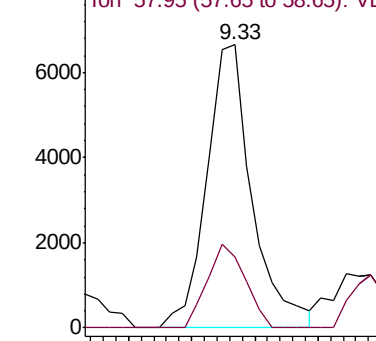


#51
4-Methyl-2-Pentanone
Concen: 5.747 ug/l
RT: 9.33 min Scan# 926
Delta R.T. -0.02 min
Lab File: VD059904.D
Acq: 24 Aug 2018 13:57

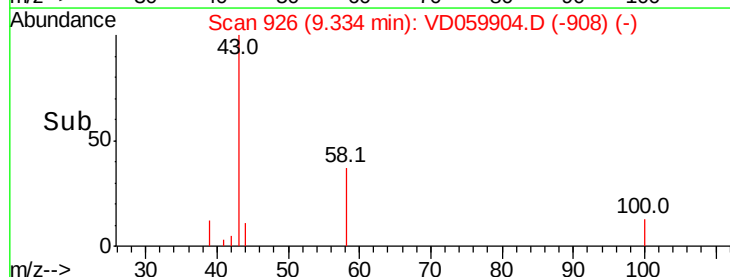
Tgt Ion: 43 Resp: 16624
Ion Ratio Lower Upper
43 100
58 25.3 27.0 40.4#

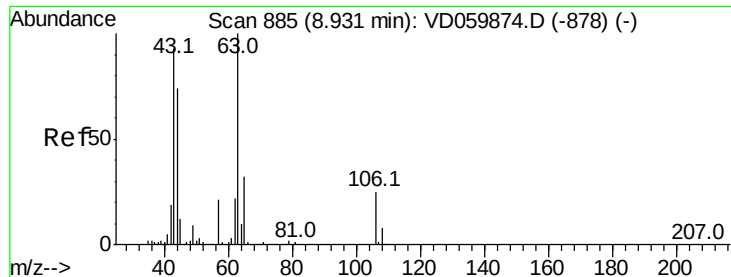


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC



Time-->





#58

2-Chloroethyl Vinyl ether

Concen: 1.570 ug/l

RT: 8.91 min Scan# 883

Delta R.T. -0.02 min

Lab File: VD059904.D

Acq: 24 Aug 2018 13:57

Instrument :

MSVOA_D

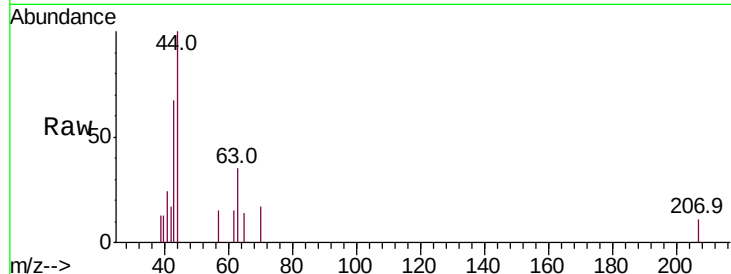
ClientSampled :

Tot Ion: 63 Resp: 2031

Ion Ratio Lower Upper

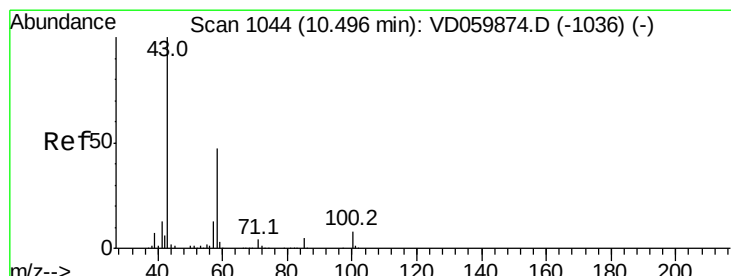
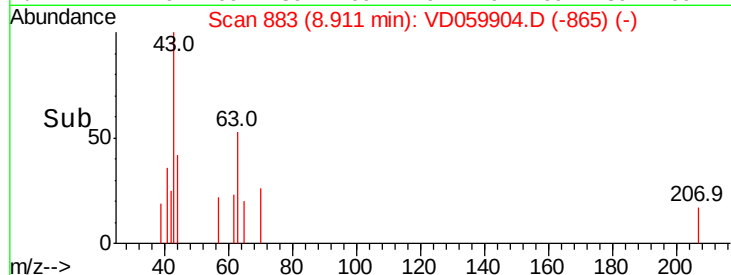
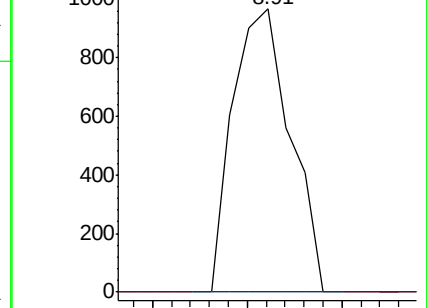
63 100

106 0.0 20.1 30.1#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC



#59

2-Hexanone

Concen: 8.474 ug/l

RT: 10.43 min Scan# 1037

Delta R.T. -0.07 min

Lab File: VD059904.D

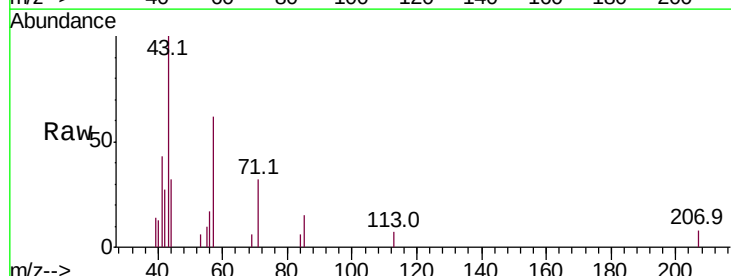
Acq: 24 Aug 2018 13:57

Tgt Ion: 43 Resp: 18080

Ion Ratio Lower Upper

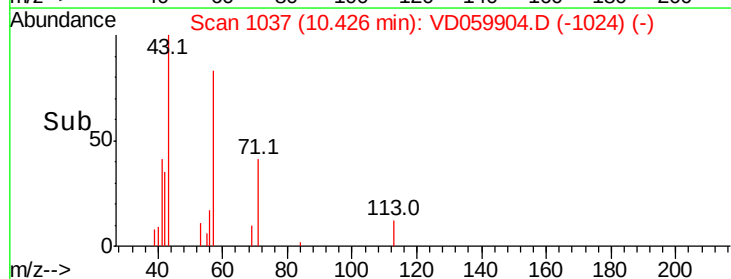
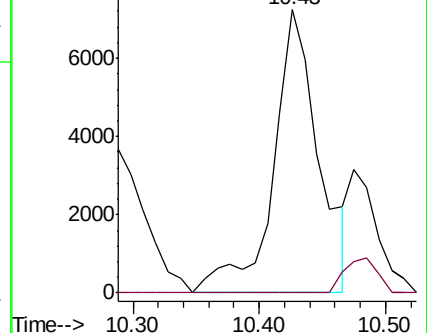
43 100

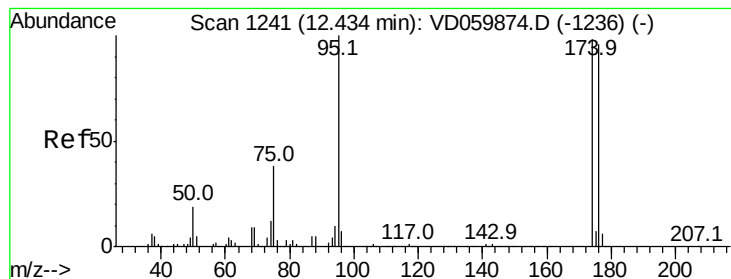
58 0.0 23.3 69.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.41 min Scan# 1239

Delta R.T. -0.02 min

Lab File: VD059904.D

Acq: 24 Aug 2018 13:57

Instrument :

MSVOA_D

ClientSampled :

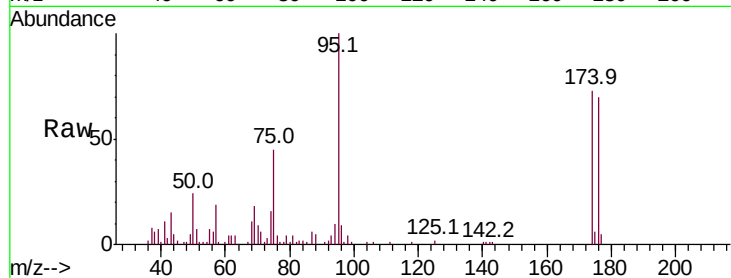
Tot Ion: 95 Resp: 90171

Ion Ratio Lower Upper

95 100

174 73.2 0.0 195.6

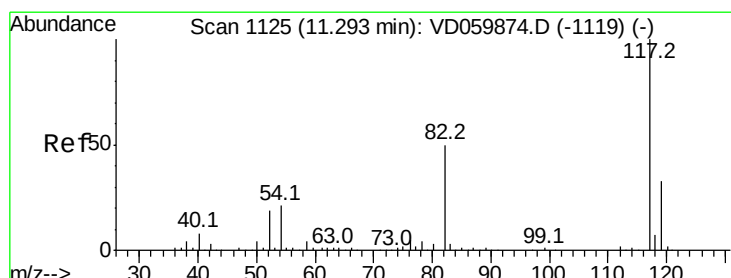
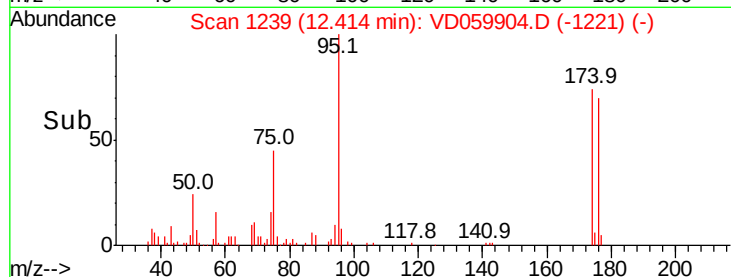
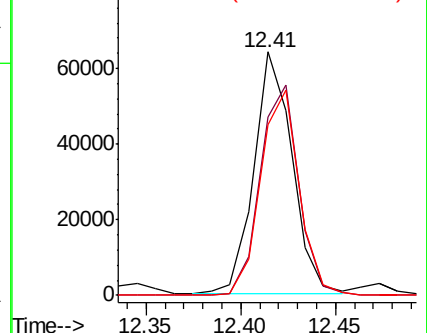
176 69.9 0.0 191.2



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.27 min Scan# 1123

Delta R.T. -0.02 min

Lab File: VD059904.D

Acq: 24 Aug 2018 13:57

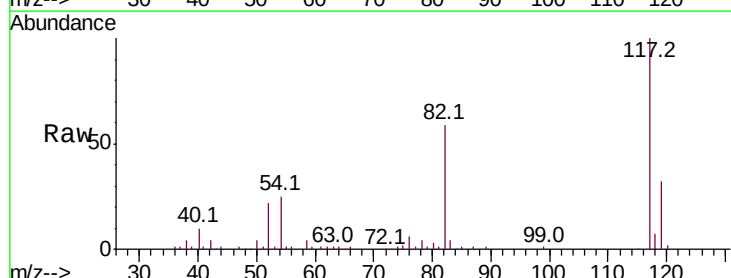
Tgt Ion: 117 Resp: 241295

Ion Ratio Lower Upper

117 100

82 58.5 40.1 60.1

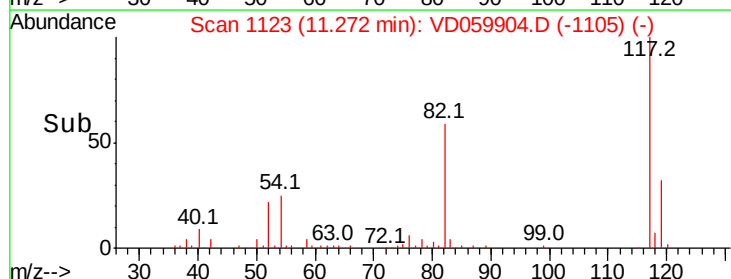
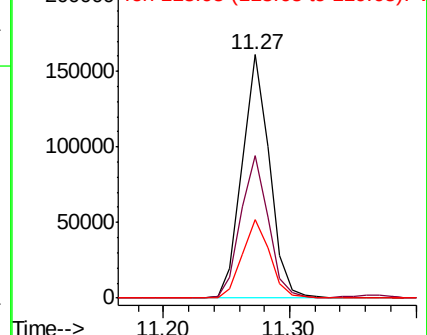
119 32.0 26.7 40.1

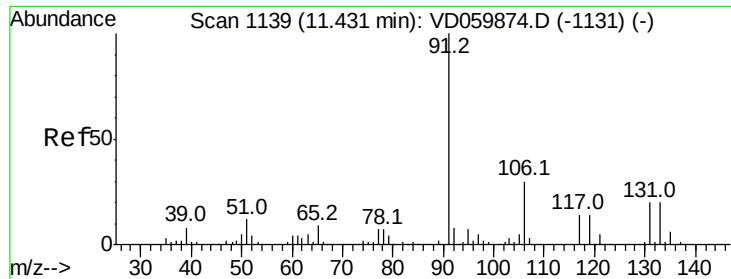


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

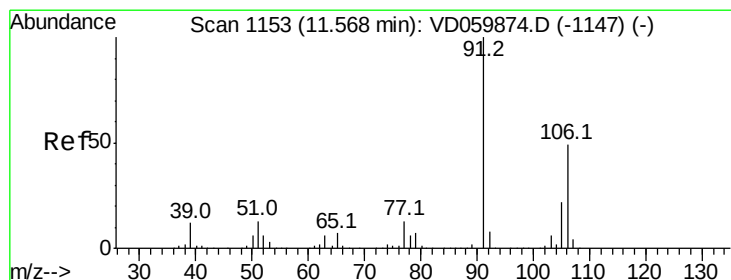
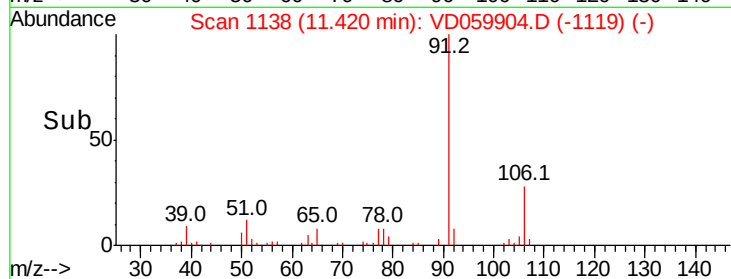
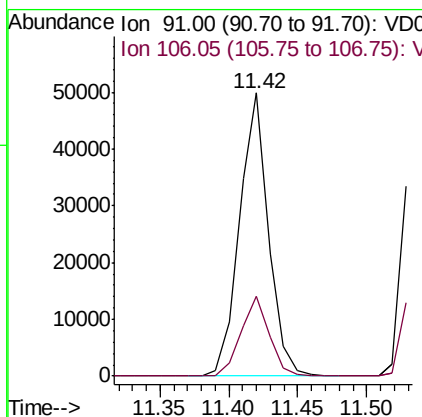
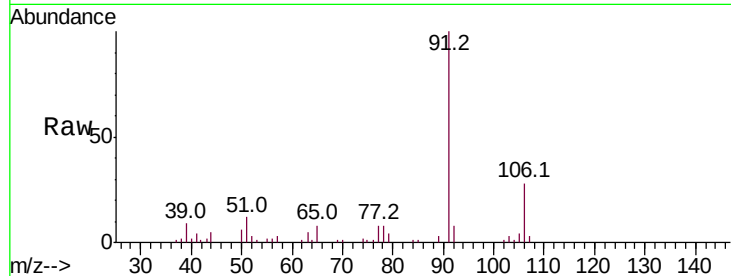




#67
Ethyl Benzene
Concen: 9.039 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD059904.D
Acq: 24 Aug 2018 13:57

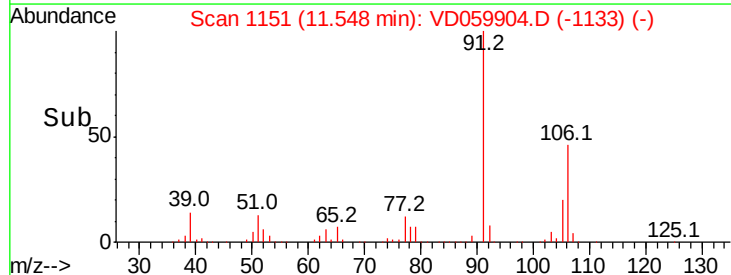
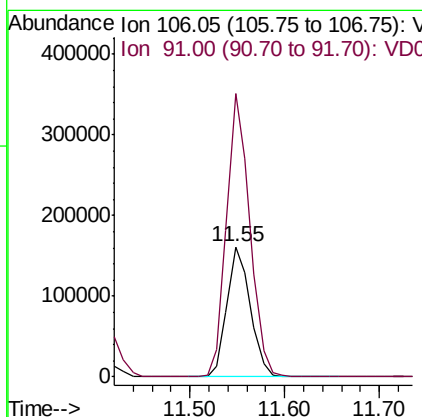
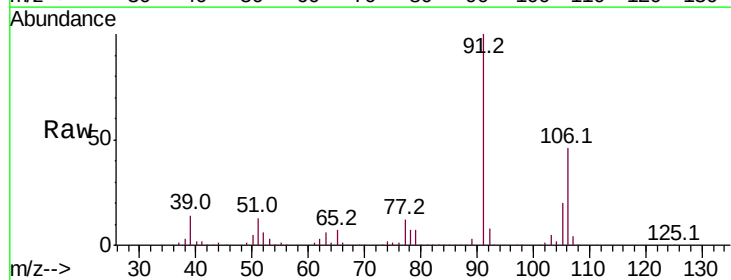
Instrument :
MSVOA_D
ClientSampled :

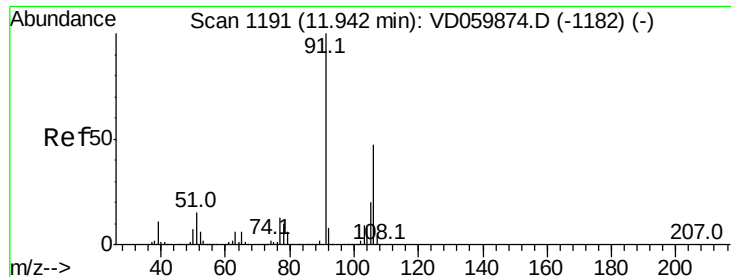
Tot Ion: 91 Resp: 72915
Ion Ratio Lower Upper
91 100
106 28.2 23.8 35.8



#68
m/p-Xylenes
Concen: 93.628 ug/l
RT: 11.55 min Scan# 1151
Delta R.T. -0.02 min
Lab File: VD059904.D
Acq: 24 Aug 2018 13:57

Tgt Ion: 106 Resp: 274991
Ion Ratio Lower Upper
106 100
91 217.7 162.0 243.0

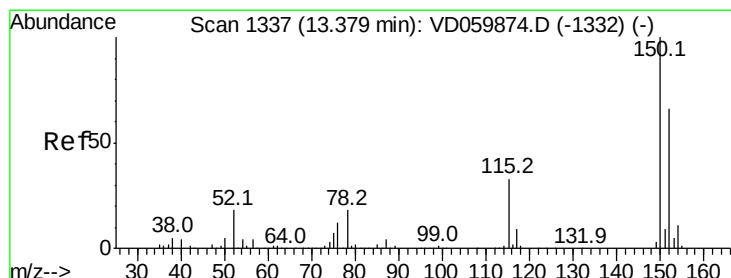
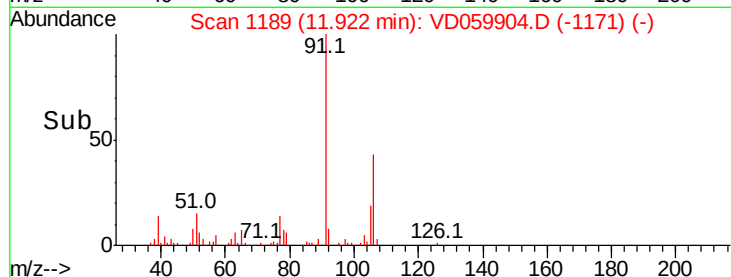
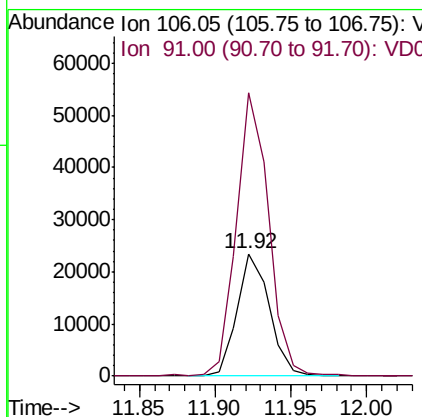
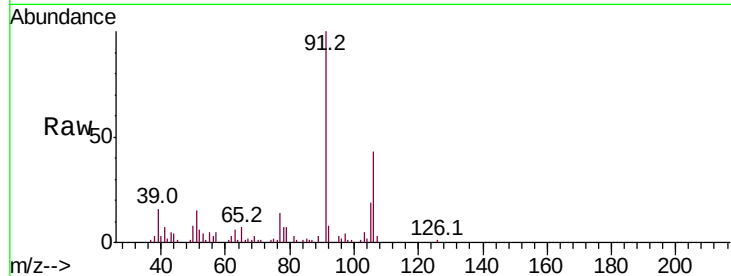




#69
o-Xylene
Concen: 12.094 ug/l
RT: 11.92 min Scan# 1189
Delta R.T. -0.02 min
Lab File: VD059904.D
Acq: 24 Aug 2018 13:57

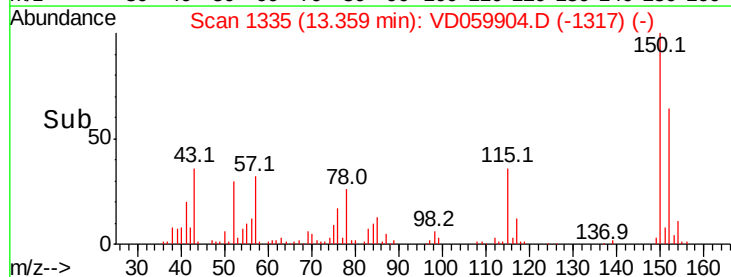
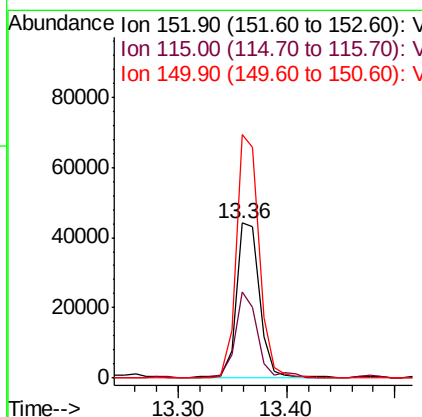
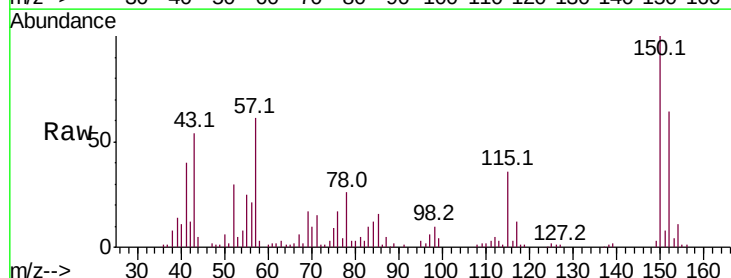
Instrument :
MSVOA_D
ClientSampleId :

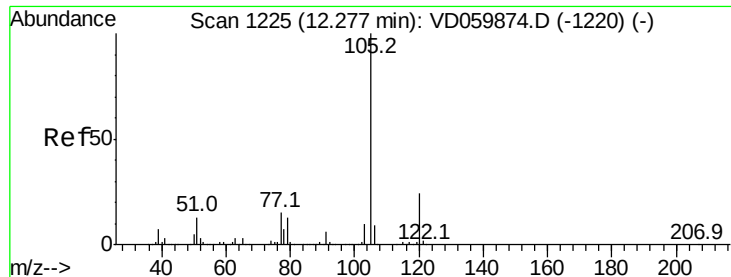
Tot Ion:106 Resp: 34742
Ion Ratio Lower Upper
106 100
91 231.4 107.3 322.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1335
Delta R.T. -0.02 min
Lab File: VD059904.D
Acq: 24 Aug 2018 13:57

Tgt Ion:152 Resp: 66237
Ion Ratio Lower Upper
152 100
115 56.0 25.7 77.0
150 157.3 0.0 310.2





#73

Isopropylbenzene

Concen: 4.161 ug/l

RT: 12.27 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VD059904.D

Acq: 24 Aug 2018 13:57

Instrument :

MSVOA_D

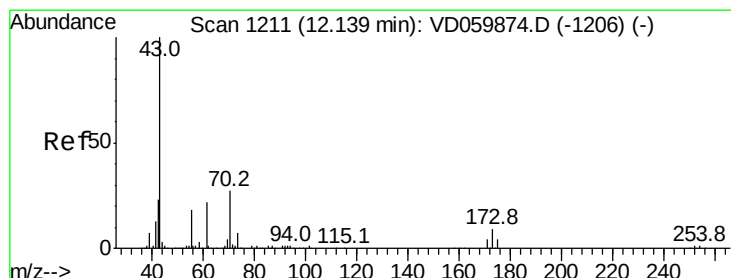
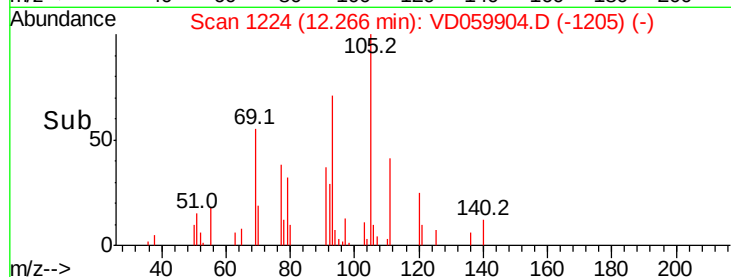
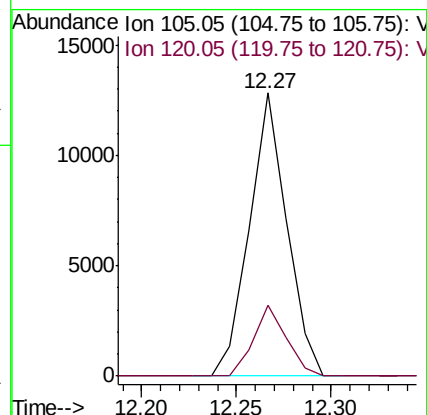
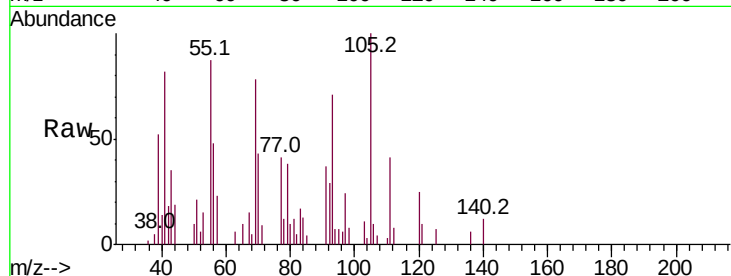
ClientSampled :

Tot Ion:105 Resp: 17592

Ion Ratio Lower Upper

105 100

120 25.1 11.8 35.4



#74

N-ethyl acetate

Concen: 42.467 ug/l

RT: 12.20 min Scan# 1217

Delta R.T. 0.06 min

Lab File: VD059904.D

Acq: 24 Aug 2018 13:57

Tgt Ion: 43 Resp: 78621

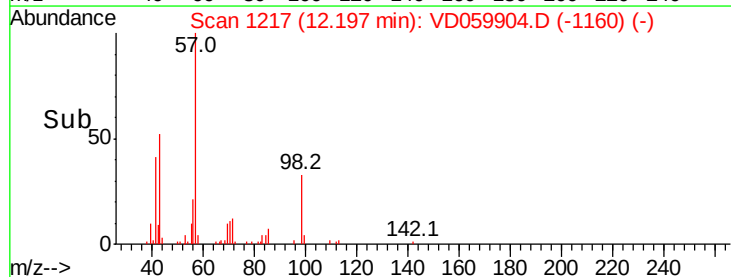
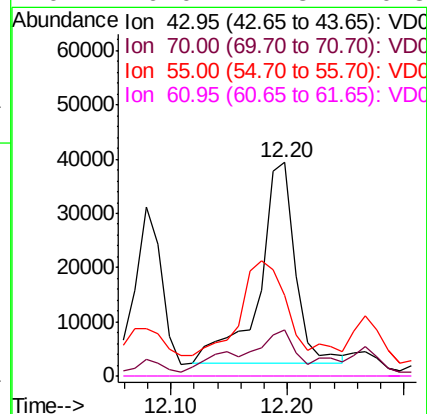
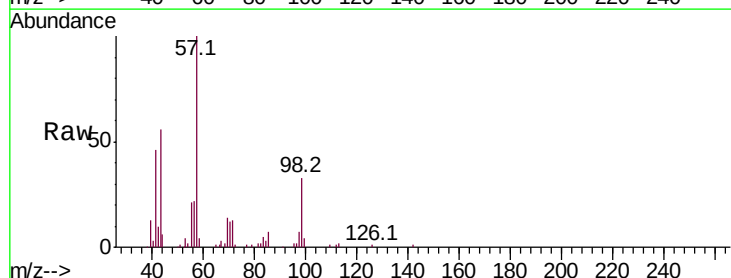
Ion Ratio Lower Upper

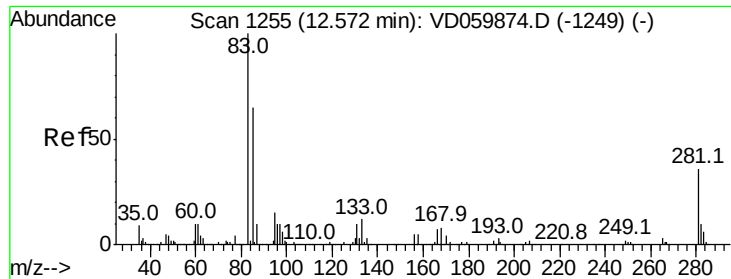
43 100

70 21.4 21.4 32.2#

55 37.5 14.1 21.1#

61 0.0 17.8 26.8#





#75

1,1,2,2-Tetrachloroethane

Concen: 18.646 ug/l

RT: 12.57 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD059904.D

Acq: 24 Aug 2018 13:57

Instrument :

MSVOA_D

ClientSampleID :

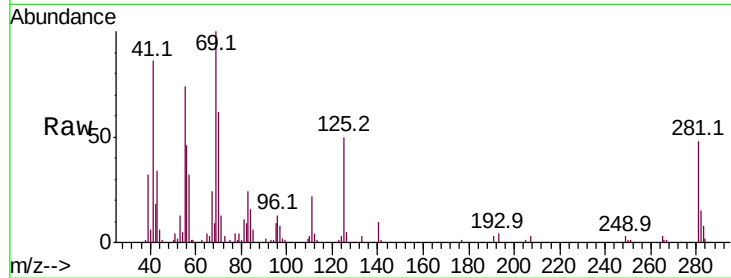
Tot Ion: 83 Resp: 18236

Ion Ratio Lower Upper

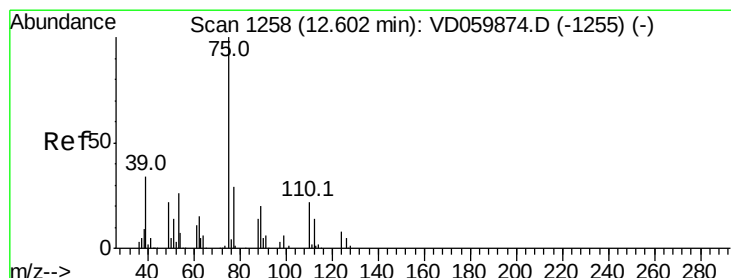
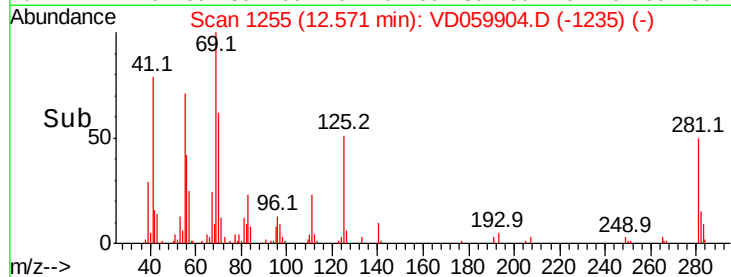
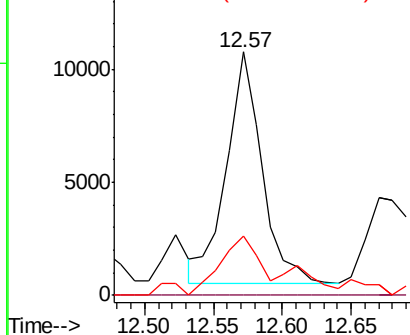
83 100

131 0.0 4.8 14.4#

85 24.1 32.6 97.8#



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 1.359 ug/l

RT: 12.58 min Scan# 1256

Delta R.T. -0.02 min

Lab File: VD059904.D

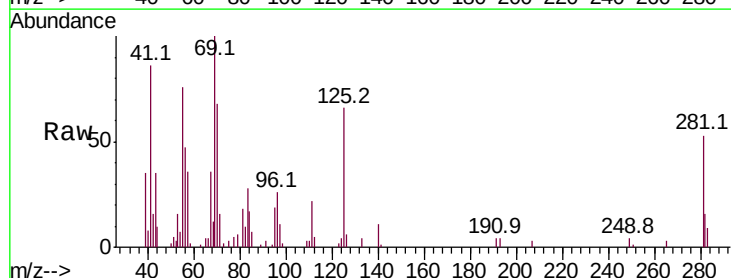
Acq: 24 Aug 2018 13:57

Tgt Ion: 75 Resp: 1399

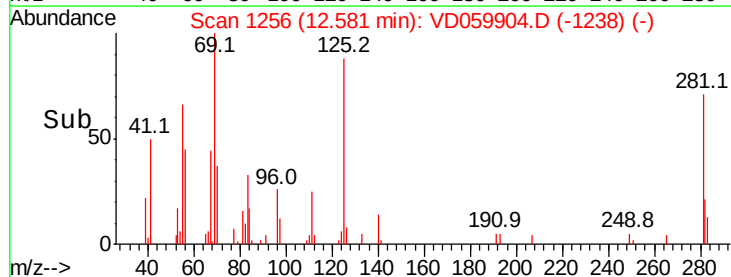
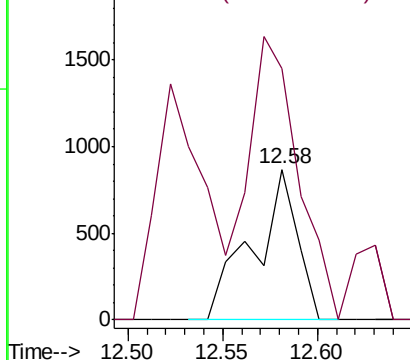
Ion Ratio Lower Upper

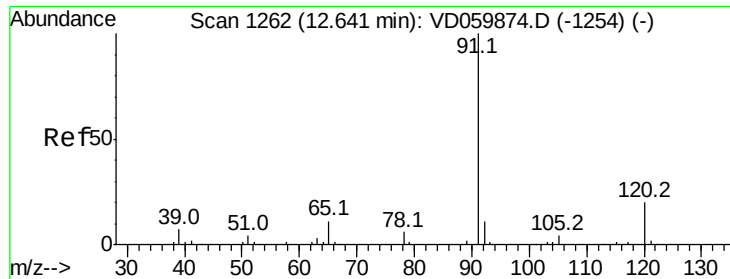
75 100

77 167.5 16.4 49.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC

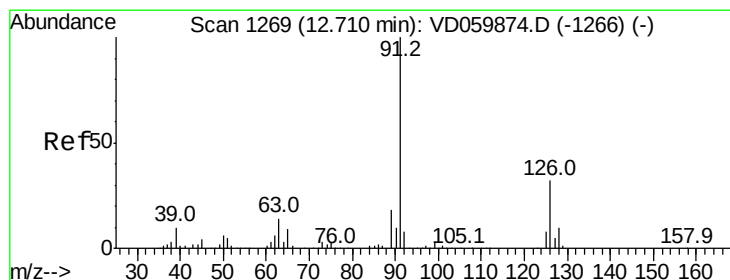
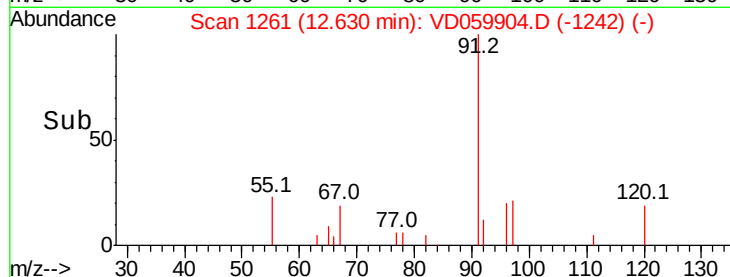
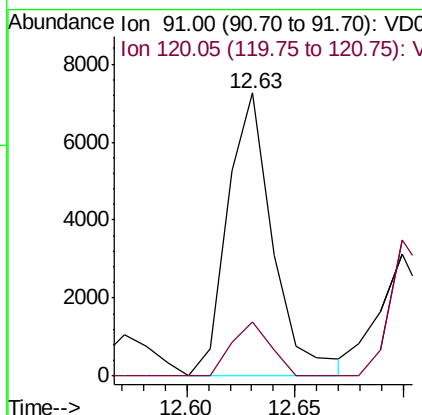
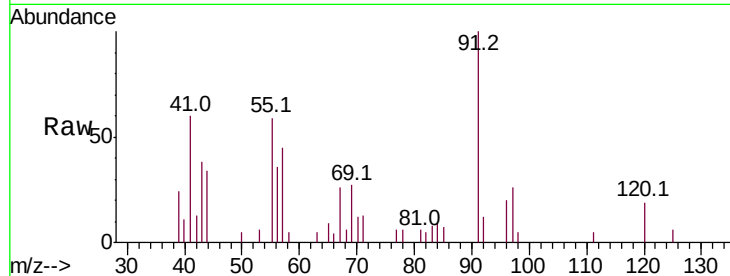




#78
 n-propylbenzene
 Concen: 1.983 ug/l
 RT: 12.63 min Scan# 1261
 Delta R.T. -0.01 min
 Lab File: VD059904.D
 Acq: 24 Aug 2018 13:57

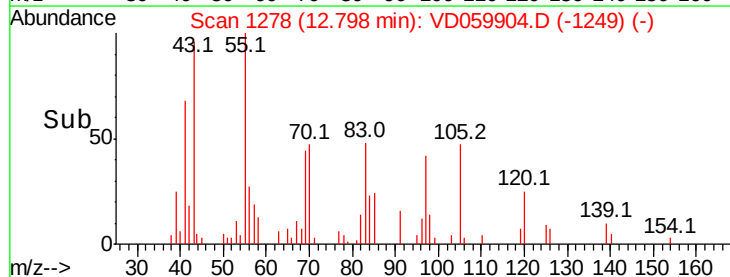
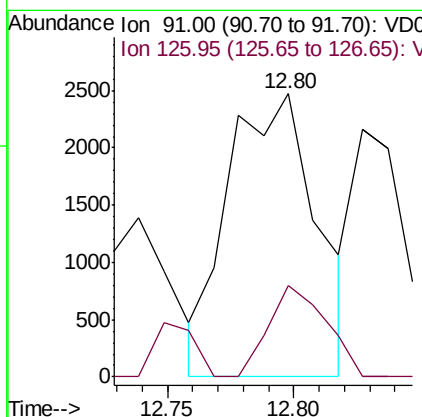
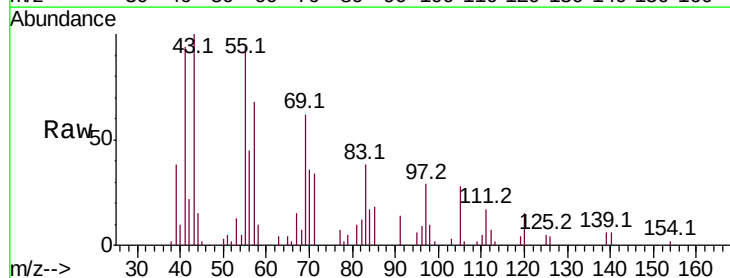
Instrument :
 MSVOA_D
 ClientSampleID :

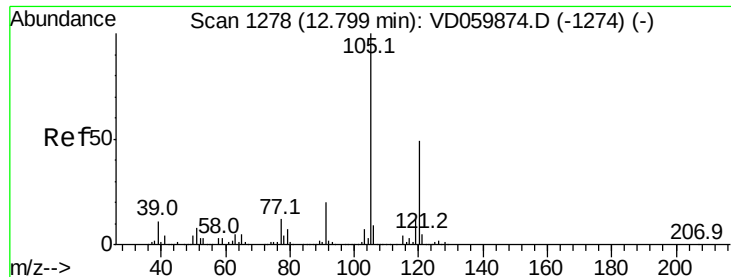
Tot Ion: 91 Resp: 10616
 Ion Ratio Lower Upper
 91 100
 120 19.0 10.1 30.3



#79
 2-Chlorotoluene
 Concen: 1.998 ug/l
 RT: 12.80 min Scan# 1278
 Delta R.T. 0.09 min
 Lab File: VD059904.D
 Acq: 24 Aug 2018 13:57

Tgt Ion: 91 Resp: 6050
 Ion Ratio Lower Upper
 91 100
 126 32.4 16.1 48.2



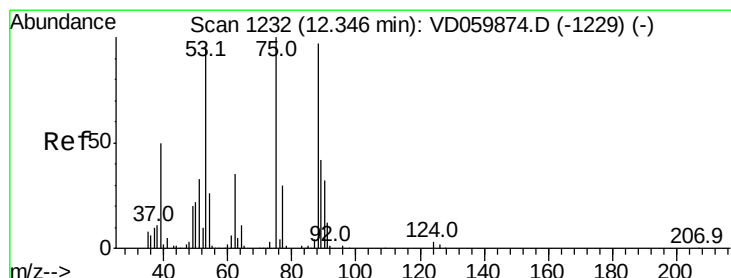
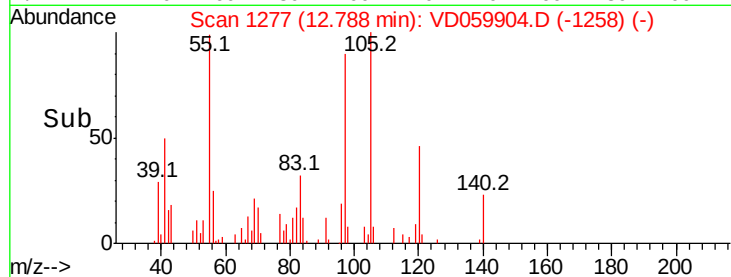
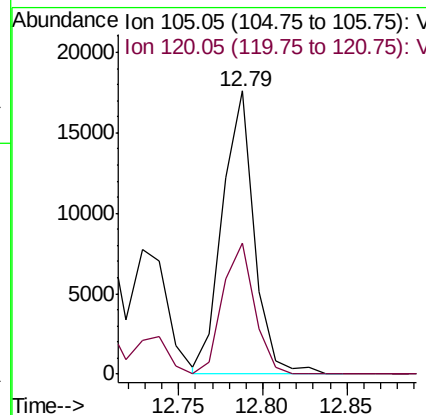
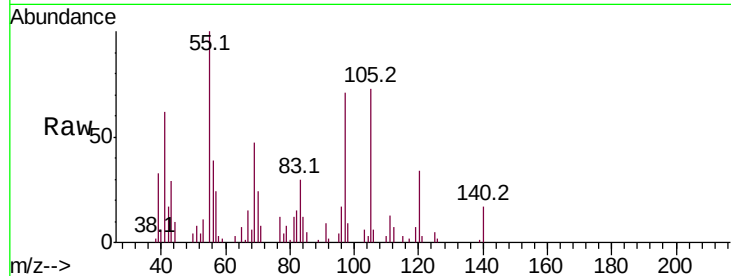


#80

1,3,5-Trimethylbenzene
Concen: 6.858 ug/l
RT: 12.79 min Scan# 1277
Delta R.T. -0.01 min
Lab File: VD059904.D
Acq: 24 Aug 2018 13:57

Instrument :
MSVOA_D
ClientSampled :

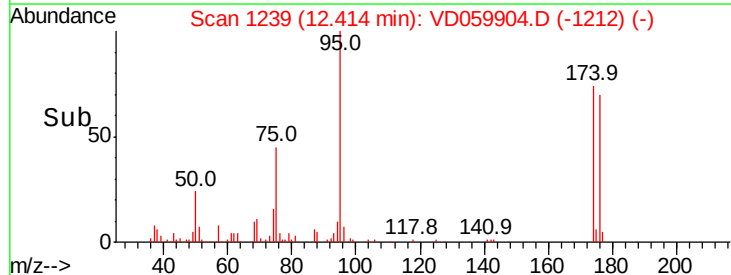
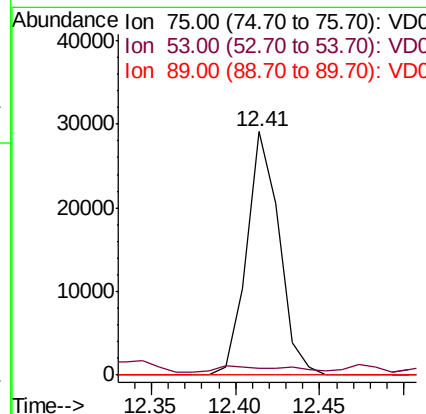
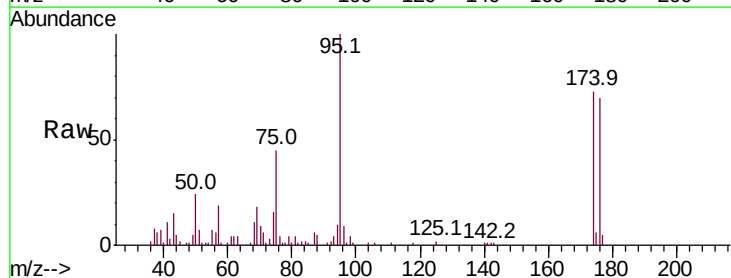
Tot Ion:105 Resp: 23053
Ion Ratio Lower Upper
105 100
120 46.2 24.5 73.5

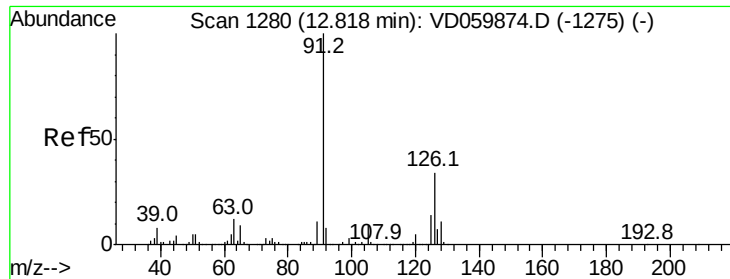


#81

trans-1,4-Dichloro-2-butene
Concen: 121.321 ug/l
RT: 12.41 min Scan# 1239
Delta R.T. 0.07 min
Lab File: VD059904.D
Acq: 24 Aug 2018 13:57

Tgt Ion: 75 Resp: 38851
Ion Ratio Lower Upper
75 100
53 2.8 75.8 113.6#
89 0.0 33.6 50.4#

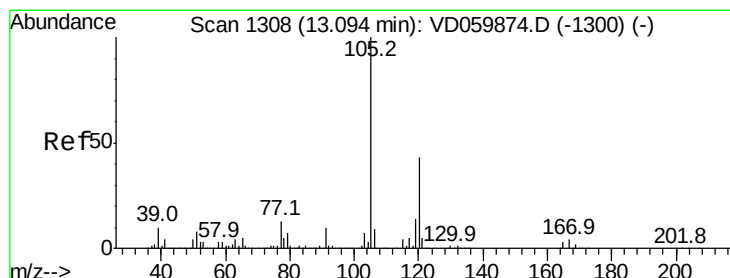
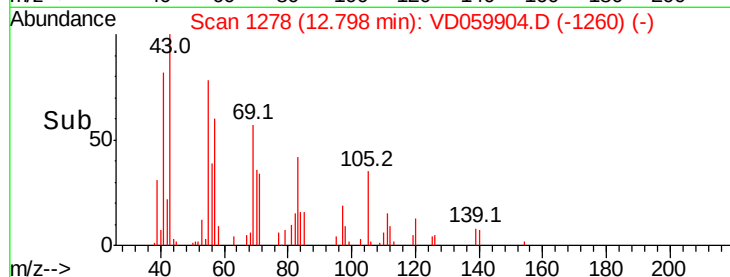
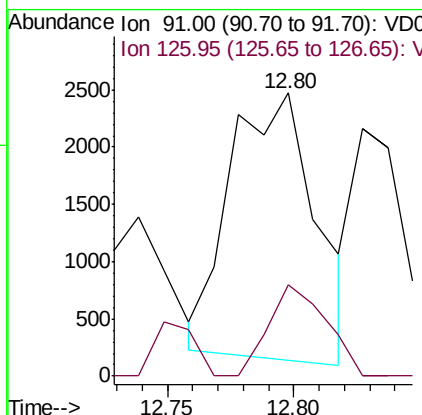
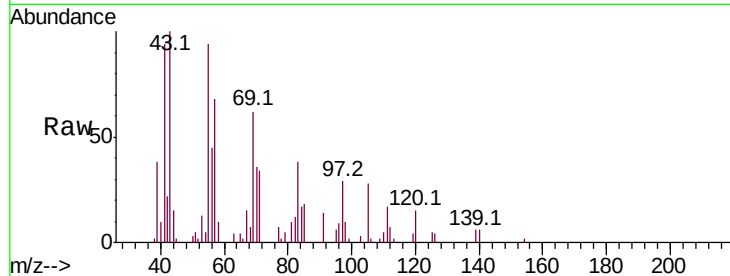




#82
 4-Chlorotoluene
 Concen: 1.592 ug/l
 RT: 12.80 min Scan# 1278
 Delta R.T. -0.02 min
 Lab File: VD059904.D
 Acq: 24 Aug 2018 13:57

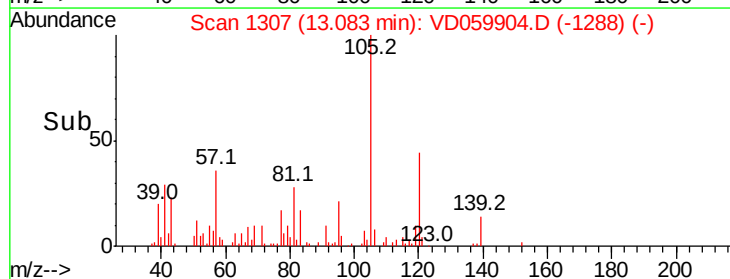
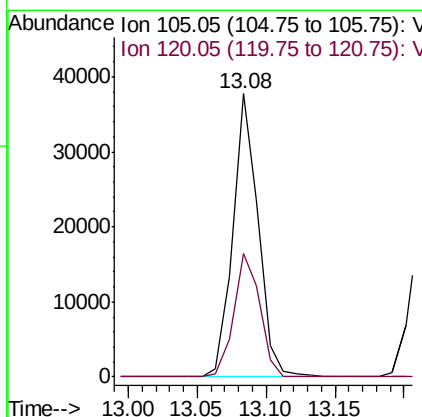
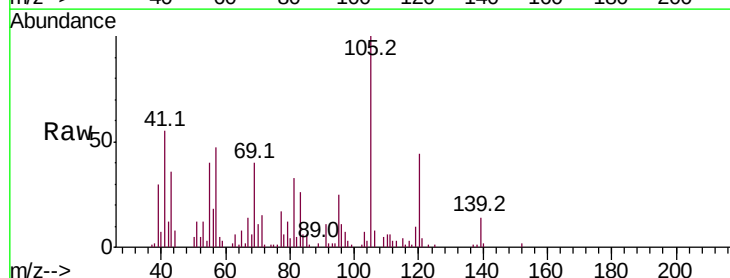
Instrument :
 MSVOA_D
 ClientSampled :

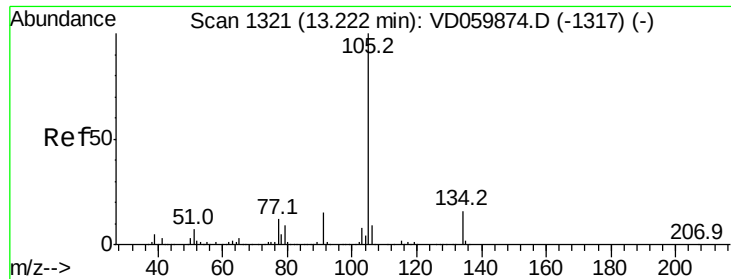
Tot Ion: 91 Resp: 5497
 Ion Ratio Lower Upper
 91 100
 126 32.4 17.1 51.2



#84
 1,2,4-Trimethylbenzene
 Concen: 13.711 ug/l
 RT: 13.08 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: VD059904.D
 Acq: 24 Aug 2018 13:57

Tgt Ion: 105 Resp: 48042
 Ion Ratio Lower Upper
 105 100
 120 43.7 21.8 65.3

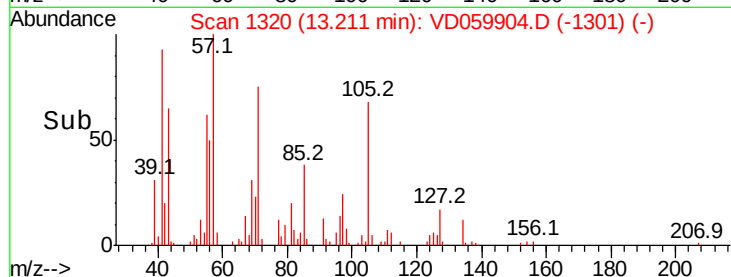
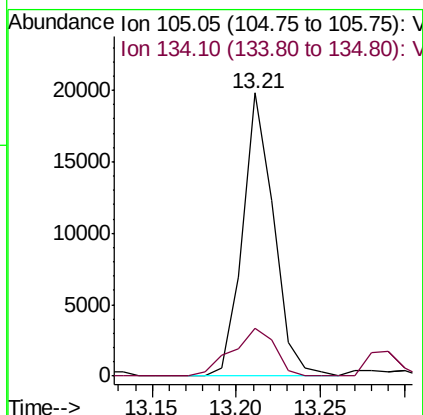
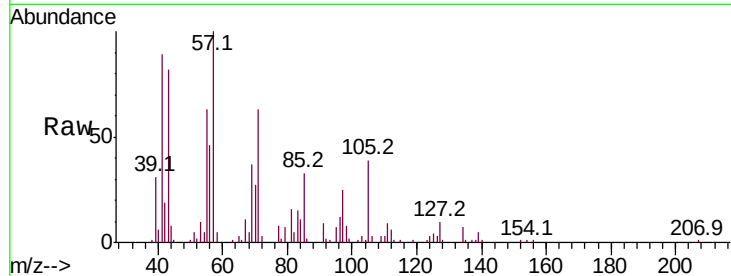




#85
 sec-Butylbenzene
 Concen: 5.626 ug/l
 RT: 13.21 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VD059904.D
 Acq: 24 Aug 2018 13:57

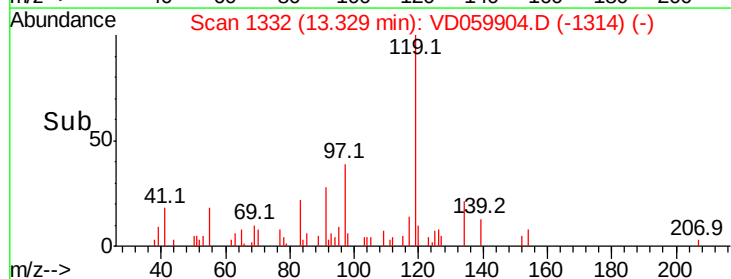
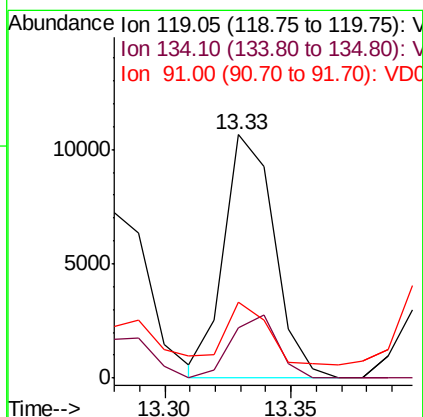
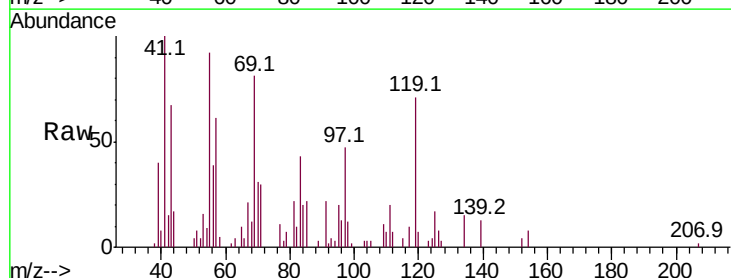
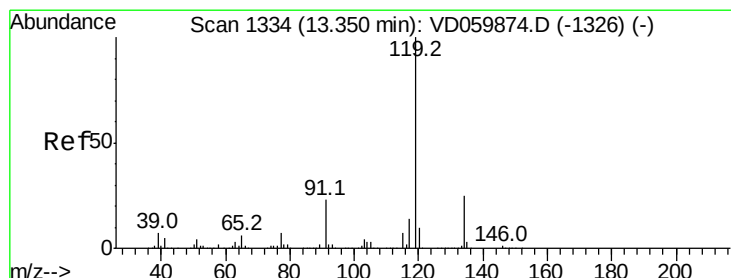
Instrument :
 MSVOA_D
 ClientSampled :

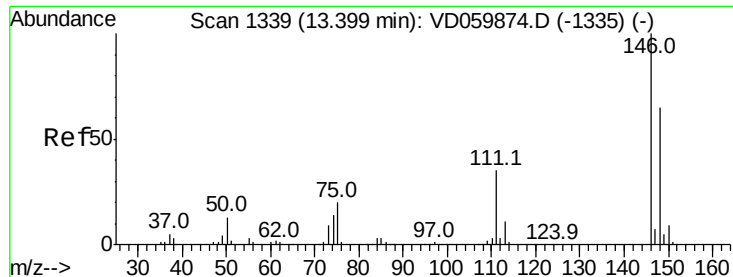
Tot Ion:105 Resp: 25335
 Ion Ratio Lower Upper
 105 100
 134 17.1 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 4.036 ug/l
 RT: 13.33 min Scan# 1332
 Delta R.T. -0.02 min
 Lab File: VD059904.D
 Acq: 24 Aug 2018 13:57

Tgt Ion:119 Resp: 14780
 Ion Ratio Lower Upper
 119 100
 134 20.9 12.7 38.1
 91 31.3 11.7 35.0





#88

1,4-Dichlorobenzene

Concen: 1.280 ug/l

RT: 13.38 min Scan# 1337

Delta R.T. -0.02 min

Lab File: VD059904.D

Acq: 24 Aug 2018 13:57

Instrument :

MSVOA_D

ClientSampled :

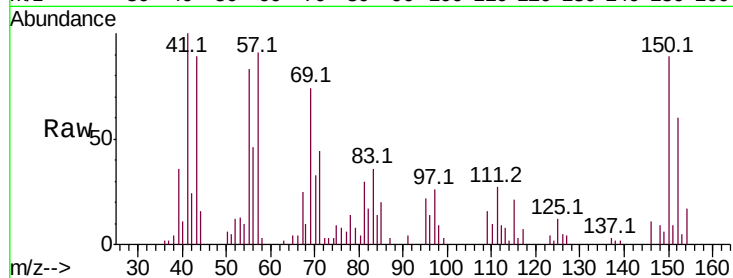
Tot Ion:146 Resp: 2672

Ion Ratio Lower Upper

146 100

111 237.4 17.5 52.6#

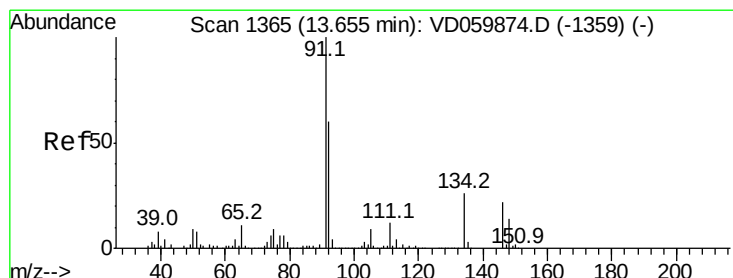
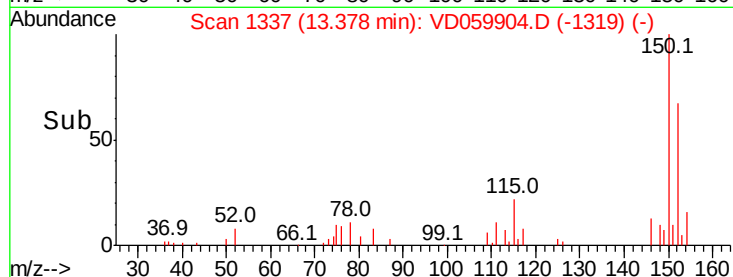
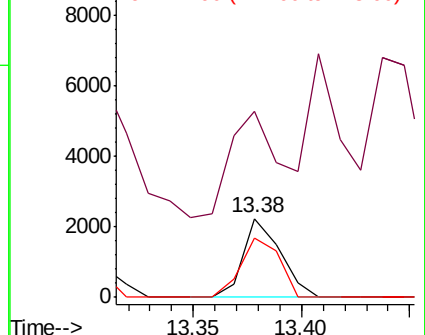
148 75.8 32.5 97.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 4.939 ug/l

RT: 13.63 min Scan# 1363

Delta R.T. -0.02 min

Lab File: VD059904.D

Acq: 24 Aug 2018 13:57

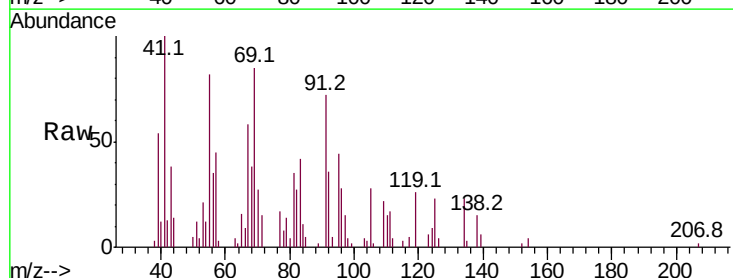
Tgt Ion: 91 Resp: 23432

Ion Ratio Lower Upper

91 100

92 49.8 30.0 90.1

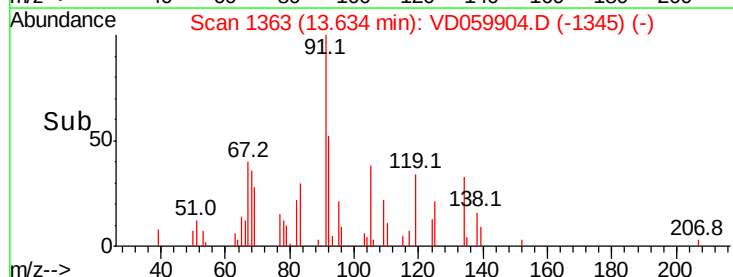
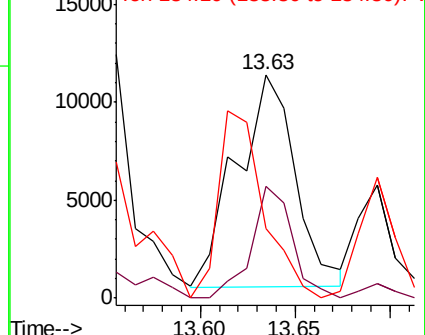
134 31.2 12.8 38.4

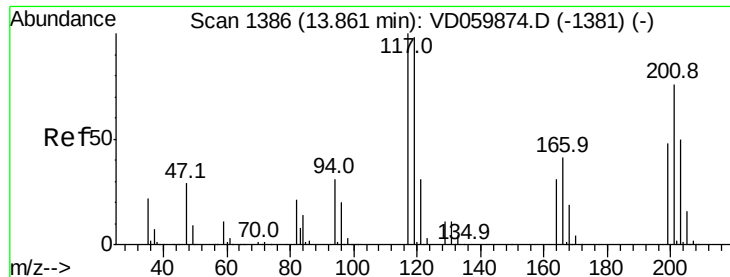


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V





#90

Hexachloroethane

Concen: 2.941 ug/l

RT: 13.84 min Scan# 1384

Delta R.T. -0.02 min

Lab File: VD059904.D

Acq: 24 Aug 2018 13:57

Instrument :

MSVOA_D

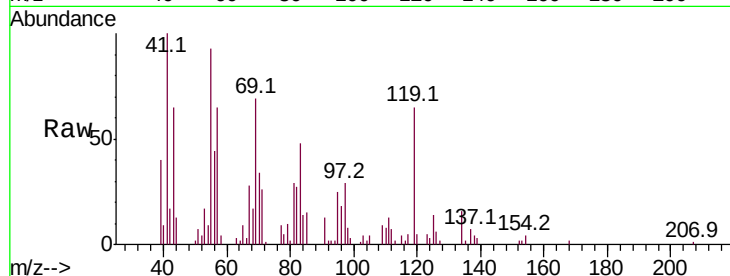
ClientSampled :

Tot Ion:117 Resp: 2892

Ion Ratio Lower Upper

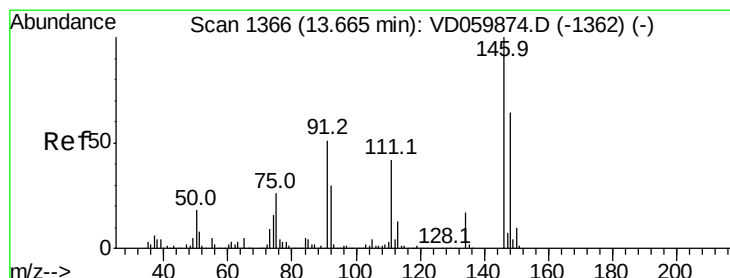
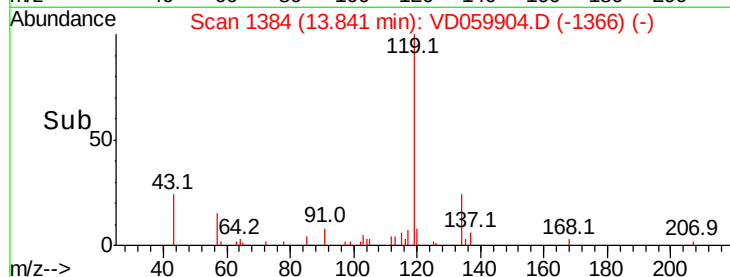
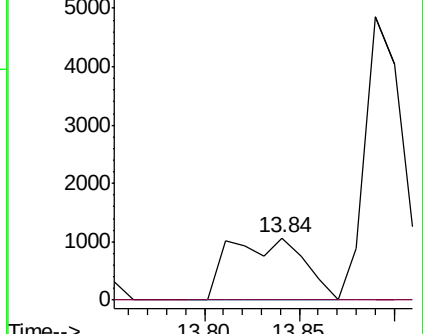
117 100

201 0.0 38.1 114.5#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V



#91

1,2-Dichlorobenzene

Concen: 1.046 ug/l

RT: 13.65 min Scan# 1365

Delta R.T. -0.01 min

Lab File: VD059904.D

Acq: 24 Aug 2018 13:57

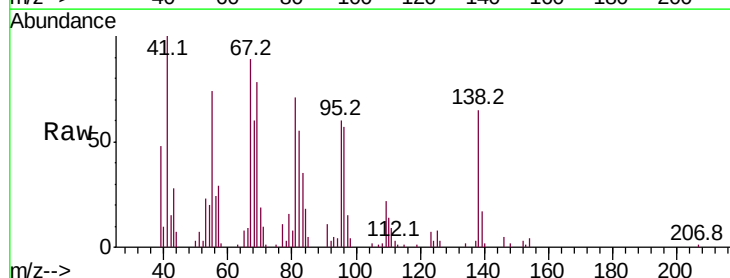
Tgt Ion:146 Resp: 1862

Ion Ratio Lower Upper

146 100

111 179.7 21.1 63.1#

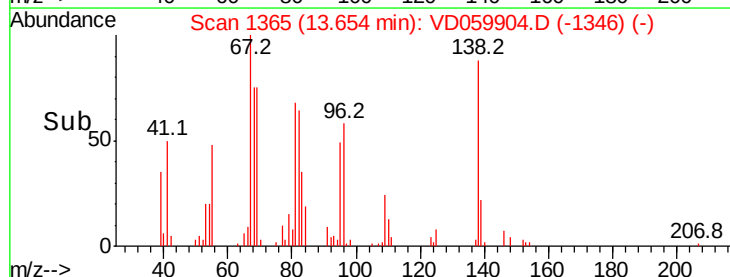
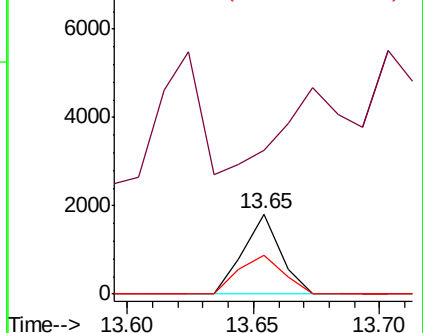
148 49.4 32.2 96.6

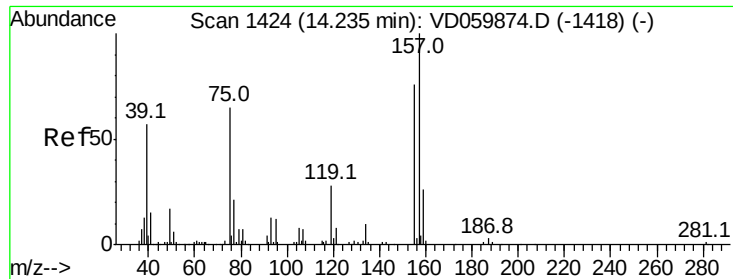


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 6.092 ug/l

RT: 14.18 min Scan# 1418

Delta R.T. -0.06 min

Lab File: VD059904.D

Acq: 24 Aug 2018 13:57

Instrument :

MSVOA_D

ClientSampleId :

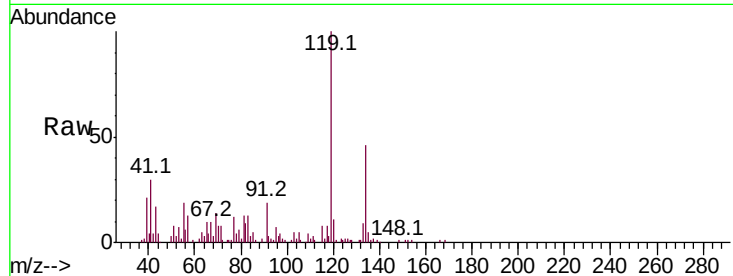
Tot Ion: 75 Resp: 916

Ion Ratio Lower Upper

75 100

155 0.0 58.2 174.6#

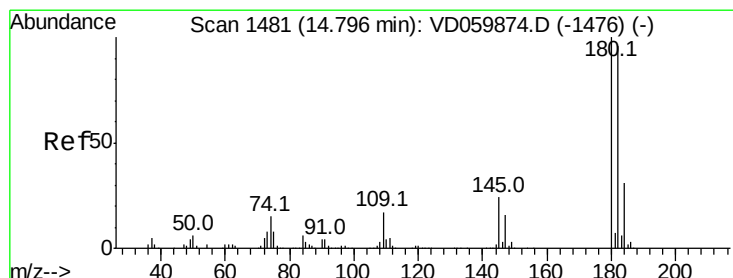
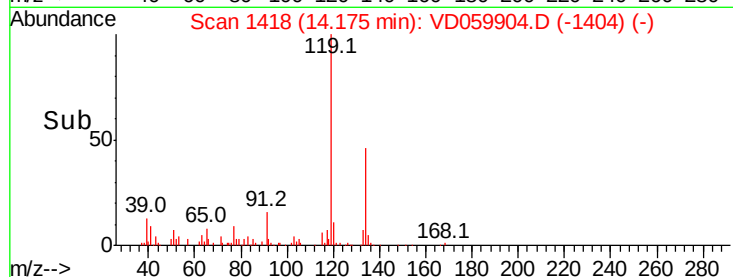
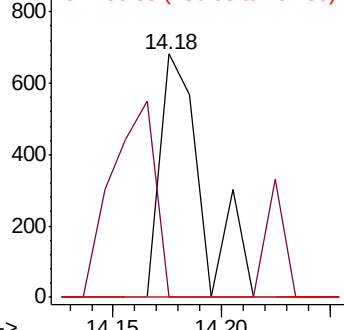
157 0.0 76.8 230.4#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V



#93

1,2,4-Trichlorobenzene

Concen: 2.072 ug/l

RT: 14.78 min Scan# 1479

Delta R.T. -0.02 min

Lab File: VD059904.D

Acq: 24 Aug 2018 13:57

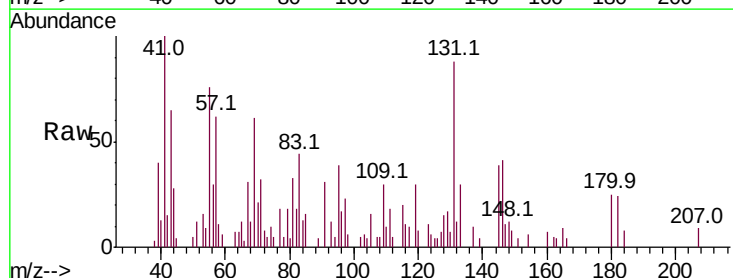
Tgt Ion:180 Resp: 3157

Ion Ratio Lower Upper

180 100

182 97.1 47.9 143.7

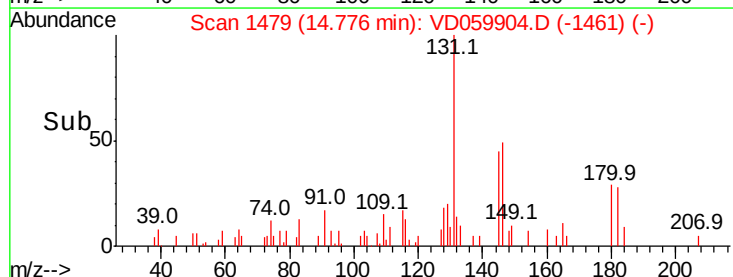
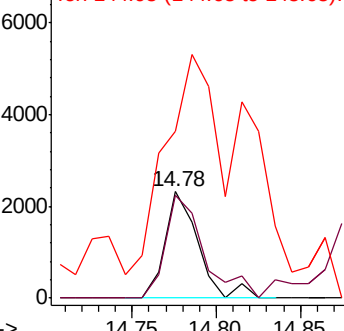
145 156.5 12.2 36.4#

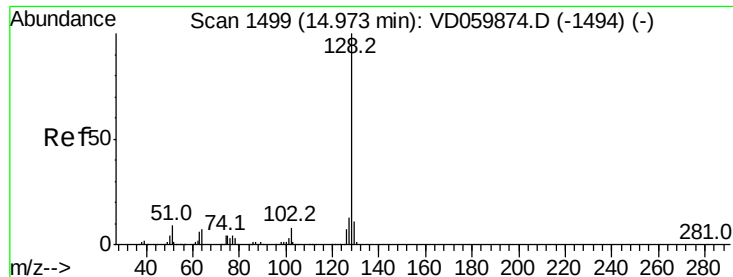


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V





#95

Naphthalene

Concen: 8.614 ug/l

RT: 14.96 min Scan# 1498

Delta R.T. -0.01 min

Lab File: VD059904.D

Acq: 24 Aug 2018 13:57

Instrument :

MSVOA_D

ClientSampleId :

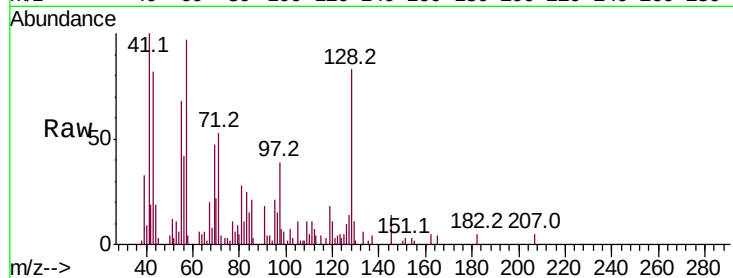
Tot Ion:128 Resp: 20058

Ion Ratio Lower Upper

128 100

127 17.5 10.0 15.0#

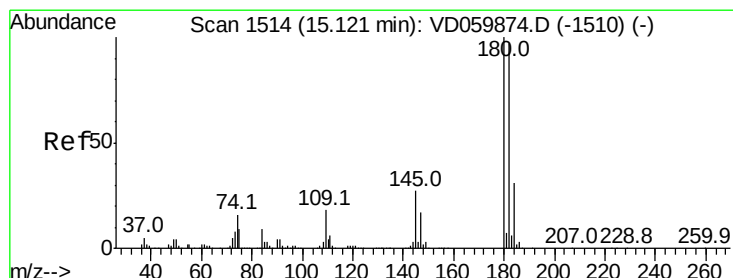
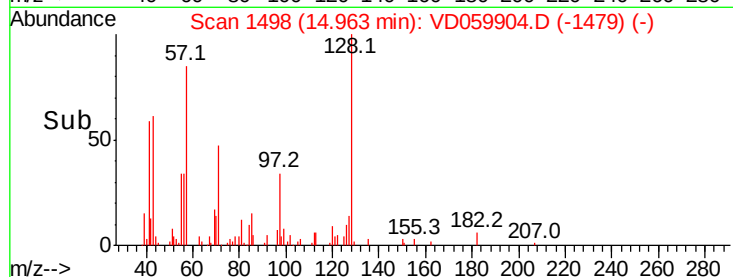
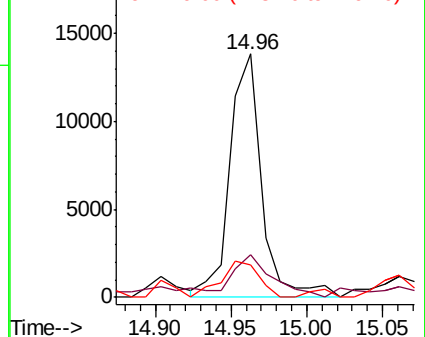
129 13.2 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 4.232 ug/l

RT: 15.10 min Scan# 1512

Delta R.T. -0.02 min

Lab File: VD059904.D

Acq: 24 Aug 2018 13:57

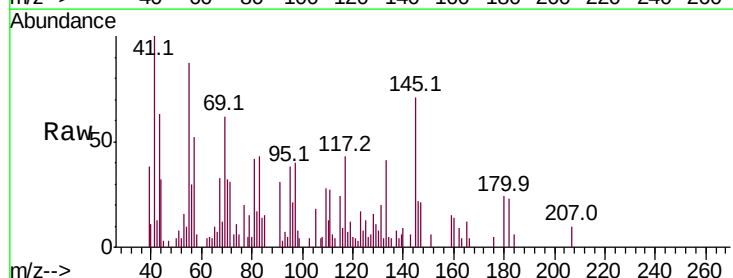
Tgt Ion:180 Resp: 5515

Ion Ratio Lower Upper

180 100

182 97.6 48.6 145.8

145 298.1 13.6 40.8#



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

