

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112118\
 Data File : VW006988.D
 Acq On : 20 Nov 2018 21:23
 Operator : SY/AP
 Sample : J5993-02RE
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 21 04:50:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	92482	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	157275	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	119665	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	41392	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	42288	46.71	ug/l	0.00
Spiked Amount			Recovery	=	93.42%	
35) Dibromofluoromethane	7.89	113	37420	42.13	ug/l	0.00
Spiked Amount			Recovery	=	84.26%	
50) Toluene-d8	10.32	98	163288	41.63	ug/l	0.00
Spiked Amount			Recovery	=	83.26%	
62) 4-Bromofluorobenzene	12.62	95	54075	35.04	ug/l	0.00
Spiked Amount			Recovery	=	70.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.23	59	337	5.718	ug/l #	71
13) Acrolein	3.90	56	793	13.101	ug/l #	14
15) Acrylonitrile	5.44	53	3262	18.296	ug/l #	38
16) Acetone	4.15	43	18532	140.975	ug/l #	88
17) Carbon Disulfide	4.38	76	19501	7.206	ug/l	99
20) Methylene Chloride	4.92	84	12939	7.793	ug/l	95
25) 2-Butanone	7.18	43	9258	41.119	ug/l #	85
30) Chloroform	7.64	83	4775	2.734	ug/l #	18
31) Cyclohexane	7.95	56	78779	45.178	ug/l	93
36) 1,1-Dichloropropene	7.95	75	7507	4.884	ug/l #	61
37) Ethyl Acetate	7.18	43	9258	16.623	ug/l #	75
38) Carbon Tetrachloride	7.95	117	9663	6.566	ug/l #	17
39) Methylcyclohexane	9.34	83	303715	157.914	ug/l	96
40) Benzene	8.33	78	115704	27.890	ug/l	100
41) Methacrylonitrile	7.53	41	1507	4.357	ug/l #	46
43) Isopropyl Acetate	8.42	43	31796	29.959	ug/l #	49
47) Bromodichloromethane	9.62	83	11789	8.737	ug/l #	31
48) Methyl methacrylate	9.47	41	6852	13.389	ug/l #	12
51) 4-Methyl-2-Pentanone	10.25	43	14161	26.403	ug/l #	79
52) Toluene	10.39	92	38670	13.697	ug/l	98
55) 1,1,2-Trichloroethane	10.76	97	74059	98.288	ug/l #	23
56) Ethyl methacrylate	10.66	69	28832	32.965	ug/l #	12
58) 2-Chloroethyl Vinyl ether	9.90	63	1006	2.201	ug/l #	45
59) 2-Hexanone	10.94	43	120447	327.938	ug/l #	29
65) Chlorobenzene	11.66	112	3561	1.426	ug/l	96
67) Ethyl Benzene	11.73	91	207291	45.179	ug/l	97
68) m/p-Xylenes	11.84	106	234913	130.500	ug/l	99
69) o-Xylene	12.17	106	145043	85.453	ug/l	97
70) Styrene	12.17	104	7193	2.663	ug/l #	1
73) Isopropylbenzene	12.47	105	48178	14.976	ug/l	98
74) N-amyl acetate	12.26	43	84331	156.414	ug/l #	57
75) 1,1,2,2-Tetrachloroethane	12.70	83	4336	10.128	ug/l #	7
76) 1,2,3-Trichloropropane	12.81	75	941	2.893	ug/l #	100
78) n-propylbenzene	12.81	91	128754	33.042	ug/l	100

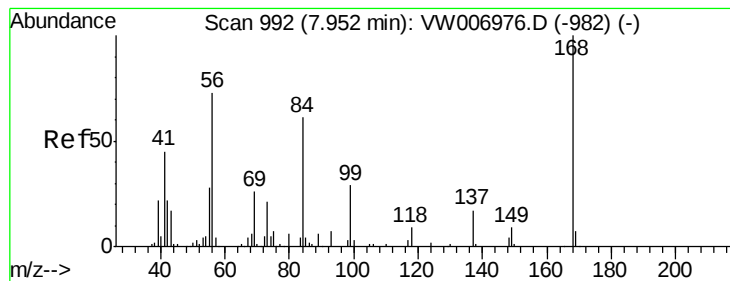
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) 2-Chlorotoluene	12.90	91	27386	12.189	ug/l #	52
80) 1,3,5-Trimethylbenzene	12.94	105	238442	85.714	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.46	75	712	5.496	ug/l #	1
82) 4-Chlorotoluene	12.95	91	25560	10.841	ug/l #	48
83) tert-Butylbenzene	13.21	119	4667	1.938	ug/l	90
84) 1,2,4-Trimethylbenzene	13.26	105	467299	168.604	ug/l	99
85) sec-Butylbenzene	13.39	105	50120	14.730	ug/l #	65
86) p-Isopropyltoluene	13.51	119	50702	16.891	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	2290	1.623	ug/l #	73
88) 1,4-Dichlorobenzene	13.58	146	6078	4.322	ug/l #	1
89) n-Butylbenzene	13.83	91	35718	12.644	ug/l #	54
90) Hexachloroethane	14.10	117	23238	53.026	ug/l #	14
91) 1,2-Dichlorobenzene	13.87	146	3708	3.000	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	14.51	75	972	13.443	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.14	180	1417	1.739	ug/l #	1
95) Naphthalene	15.38	128	86492	58.462	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.58	180	873	1.291	ug/l #	13

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006988.D

Acq: 20 Nov 2018 21:23

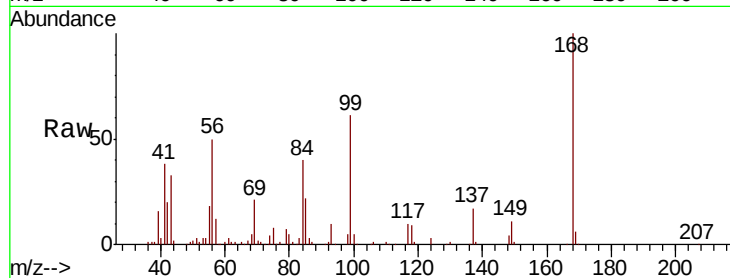
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 92482

Ion Ratio Lower Upper

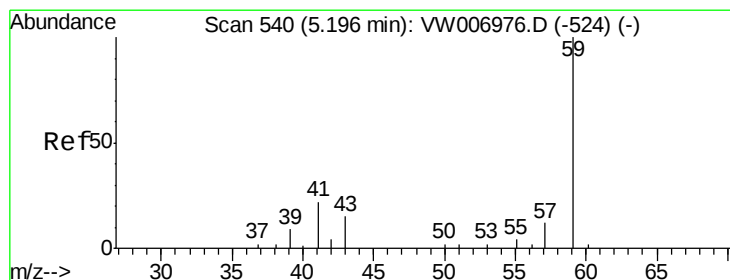
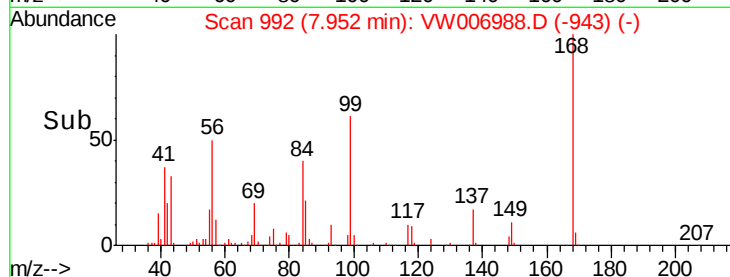
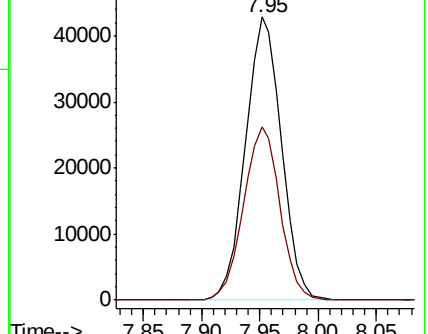
168 100

99 61.0 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 5.718 ug/l

RT: 5.23 min Scan# 545

Delta R.T. 0.03 min

Lab File: VW006988.D

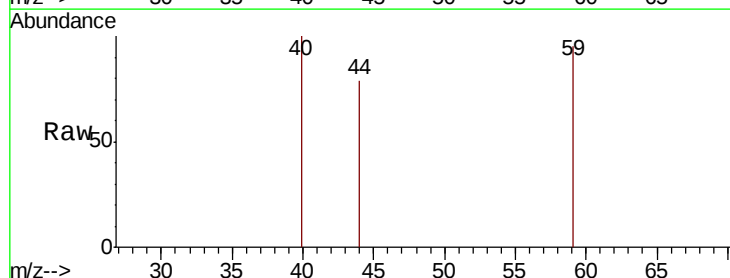
Acq: 20 Nov 2018 21:23

Tgt Ion: 59 Resp: 337

Ion Ratio Lower Upper

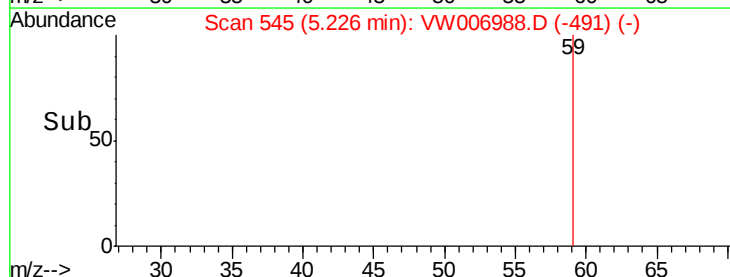
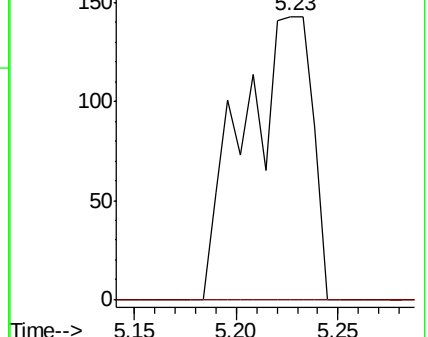
59 100

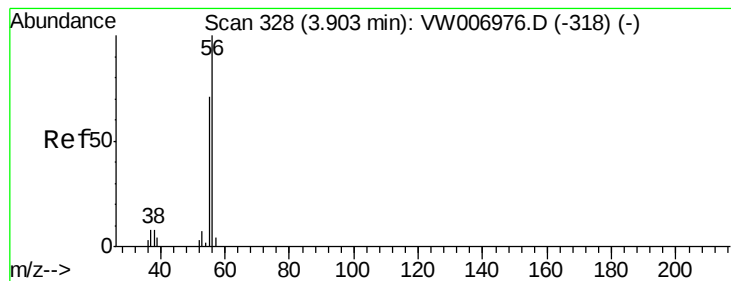
57 0.0 8.6 13.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 13.101 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.00 min

Lab File: VW006988.D

Acq: 20 Nov 2018 21:23

Instrument :

MSVOA_W

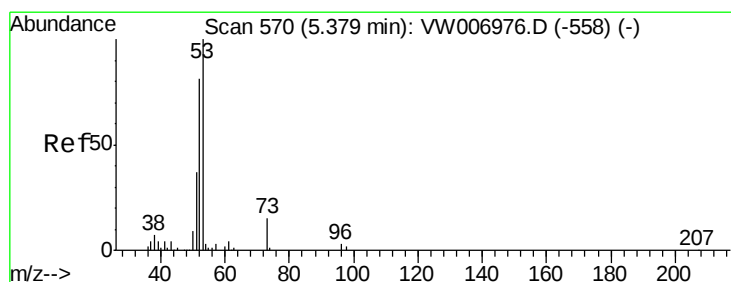
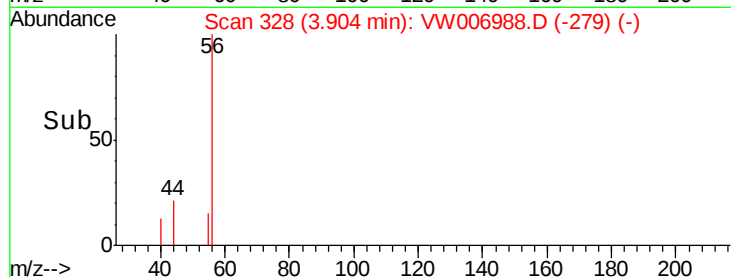
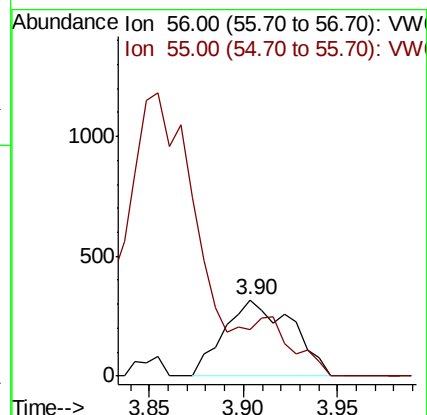
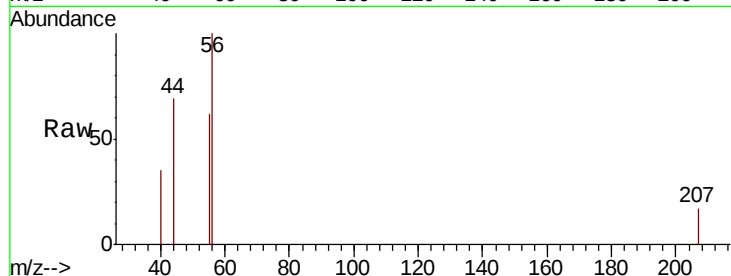
ClientSampled :

Tot Ion: 56 Resp: 793

Ion Ratio Lower Upper

56 100

55 0.0 57.5 86.3#



#15

Acrylonitrile

Concen: 18.296 ug/l

RT: 5.44 min Scan# 580

Delta R.T. 0.06 min

Lab File: VW006988.D

Acq: 20 Nov 2018 21:23

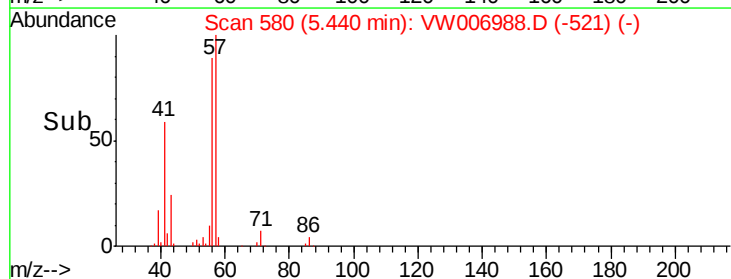
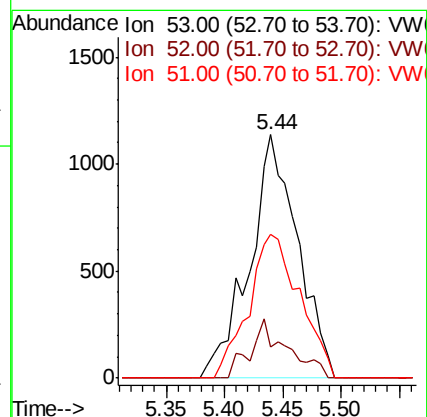
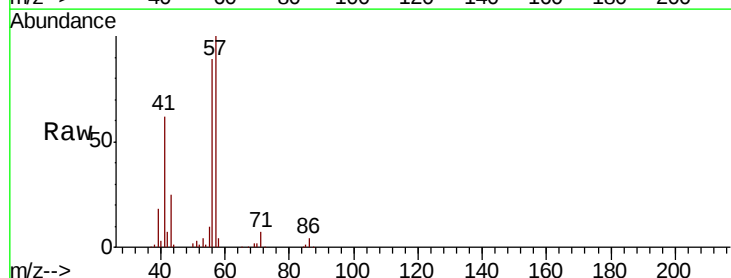
Tgt Ion: 53 Resp: 3262

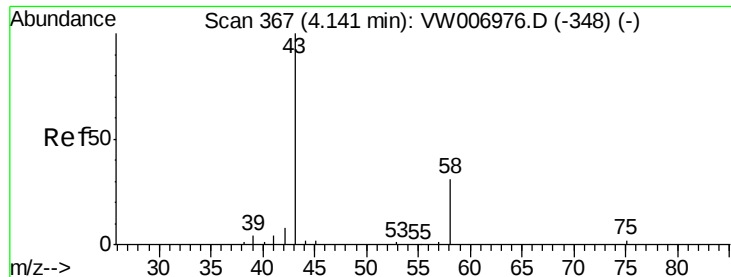
Ion Ratio Lower Upper

53 100

52 18.7 65.7 98.5#

51 62.5 29.9 44.9#





#16

Acetone

Concen: 140.975 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

Lab File: VW006988.D

Acq: 20 Nov 2018 21:23

Instrument :

MSVOA_W

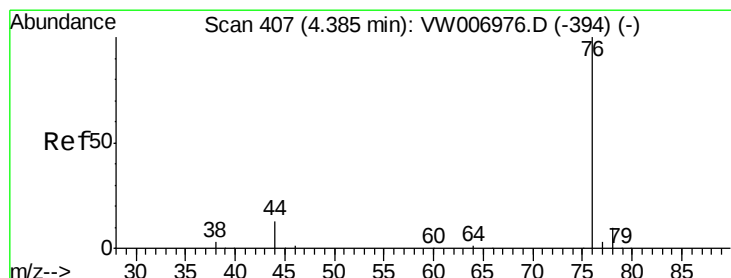
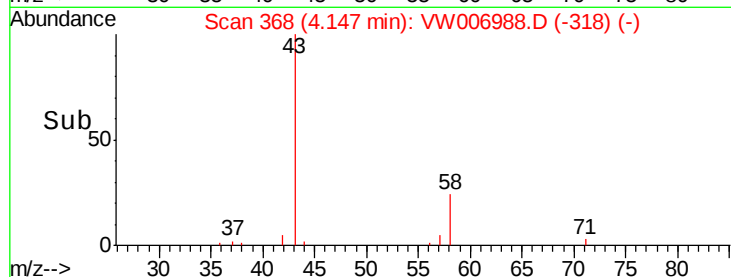
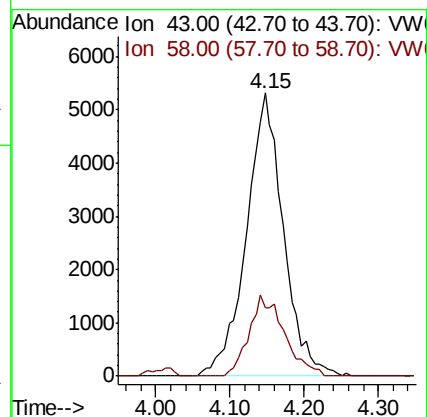
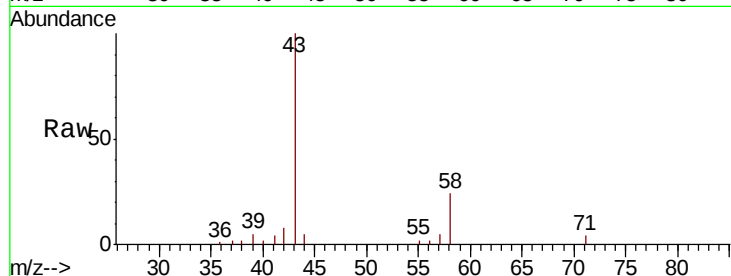
ClientSampled :

Tot Ion: 43 Resp: 18532

Ion Ratio Lower Upper

43 100

58 24.3 24.8 37.2#



#17

Carbon Disulfide

Concen: 7.206 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW006988.D

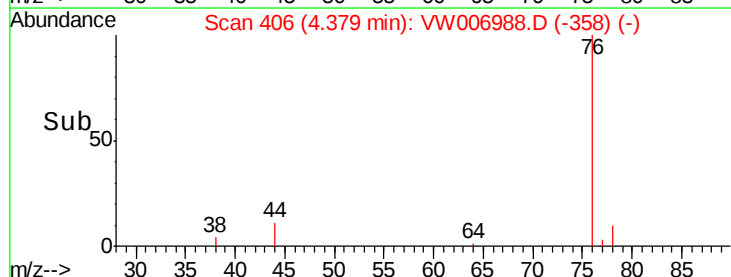
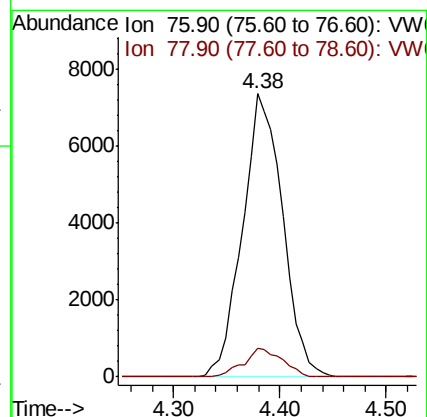
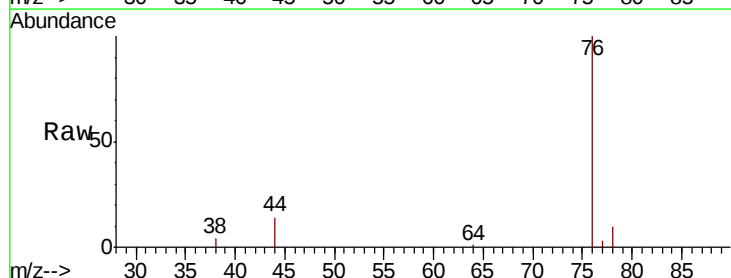
Acq: 20 Nov 2018 21:23

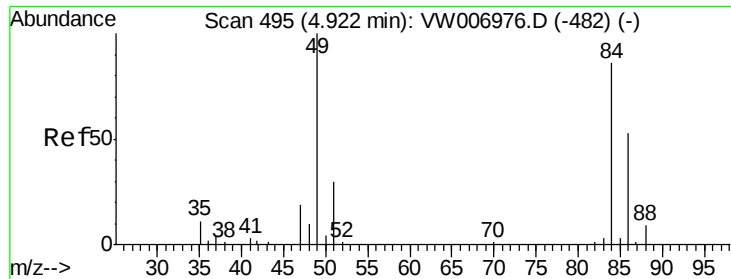
Tgt Ion: 76 Resp: 19501

Ion Ratio Lower Upper

76 100

78 10.2 7.8 11.6

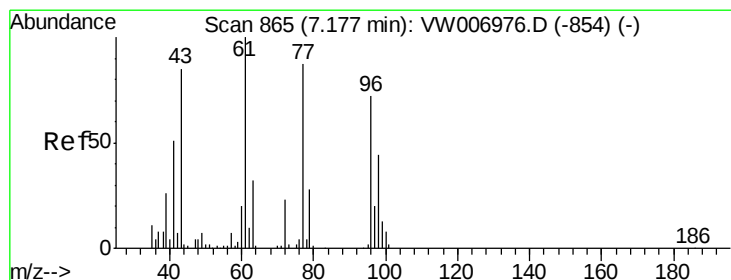
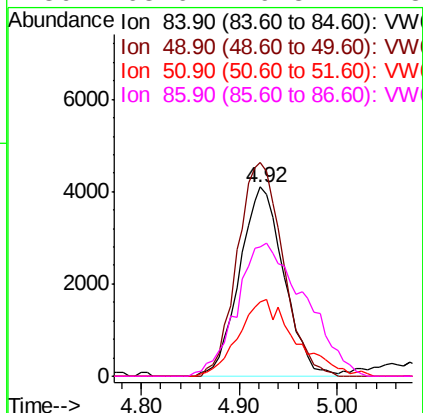
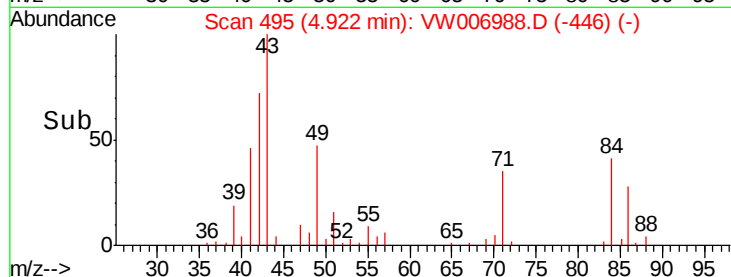
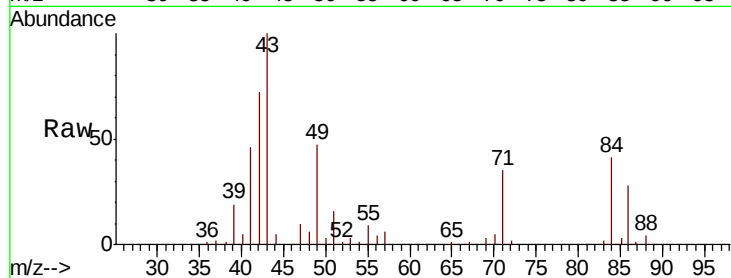




#20
Methvlene Chloride
Concen: 7.793 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW006988.D
Acq: 20 Nov 2018 21:23

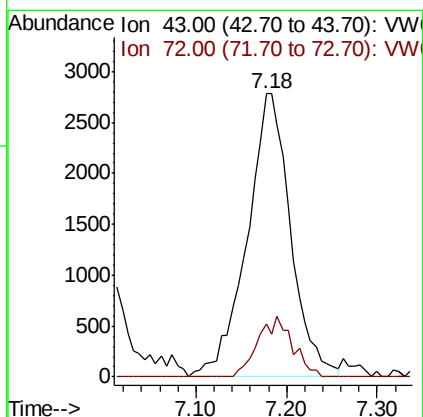
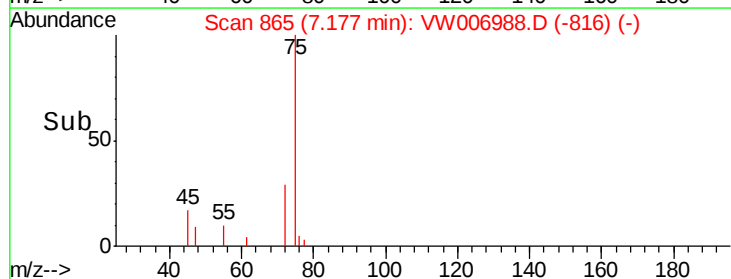
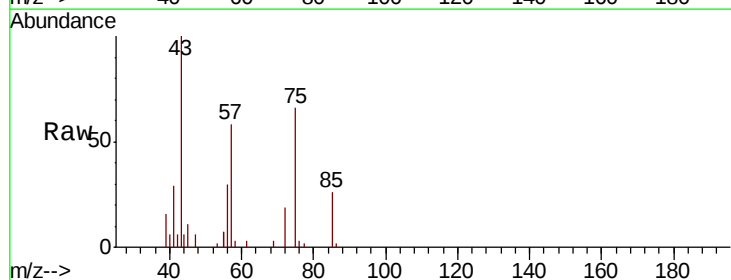
Instrument :
MSVOA_W
ClientSampleId :

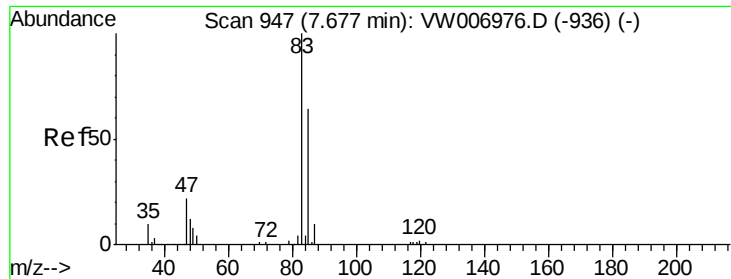
Tot Ion: 84 Resp: 12939
Ion Ratio Lower Upper
84 100
49 113.0 93.4 140.0
51 39.4 28.4 42.6
86 68.6 49.8 74.8



#25
2-Butanone
Concen: 41.119 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.00 min
Lab File: VW006988.D
Acq: 20 Nov 2018 21:23

Tgt Ion: 43 Resp: 9258
Ion Ratio Lower Upper
43 100
72 18.9 21.3 31.9#

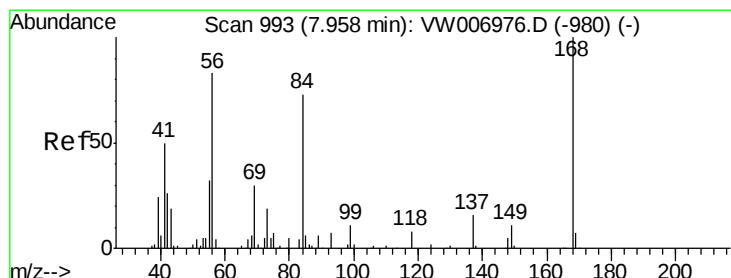
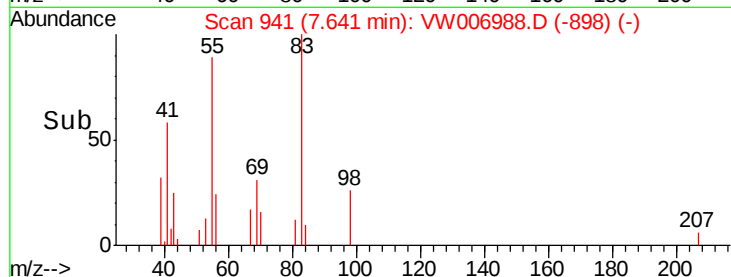
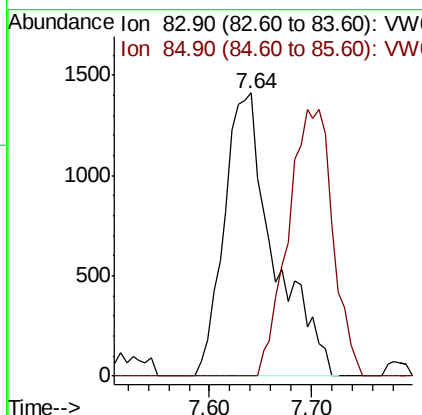
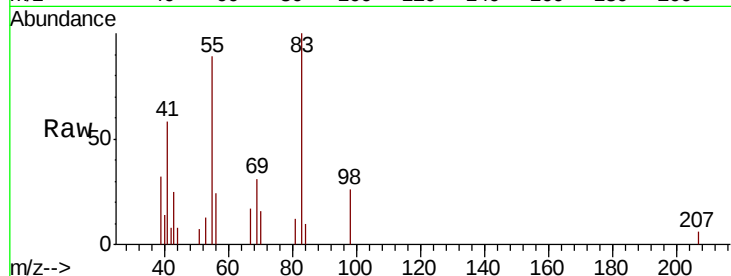




#30
Chloroform
Concen: 2.734 ug/l
RT: 7.64 min Scan# 941
Delta R.T. -0.04 min
Lab File: VW006988.D
Acq: 20 Nov 2018 21:23

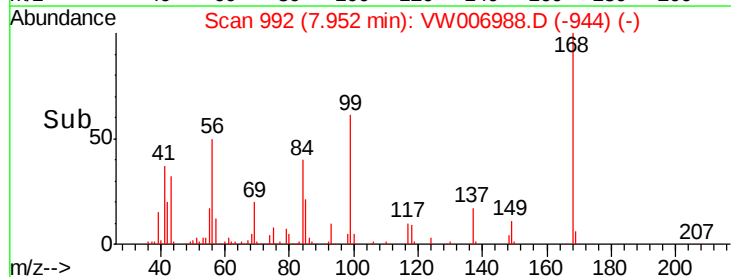
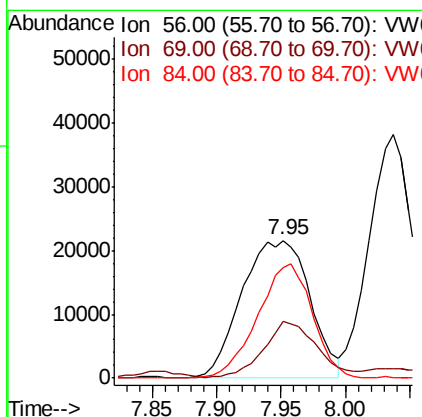
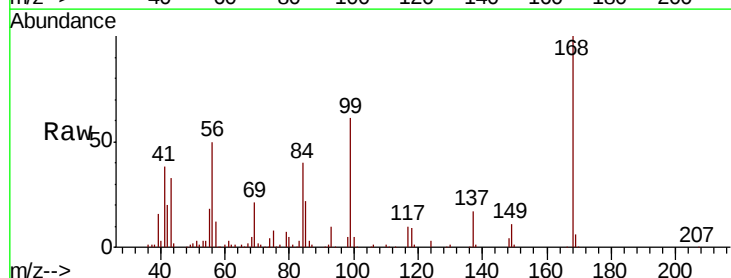
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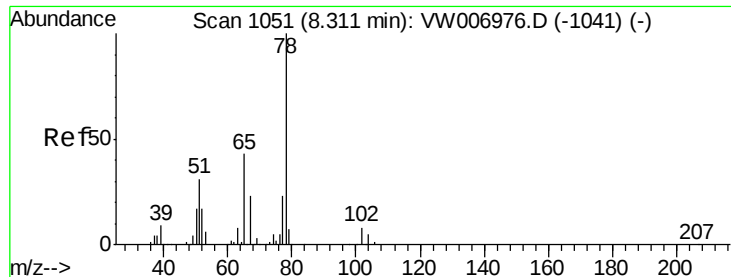
Tot Ion: 83 Resp: 4775
Ion Ratio Lower Upper
83 100
85 0.0 50.9 76.3#



#31
Cyclohexane
Concen: 45.178 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006988.D
Acq: 20 Nov 2018 21:23

Tgt Ion: 56 Resp: 78779
Ion Ratio Lower Upper
56 100
69 39.3 29.1 43.7
84 80.6 70.6 105.8

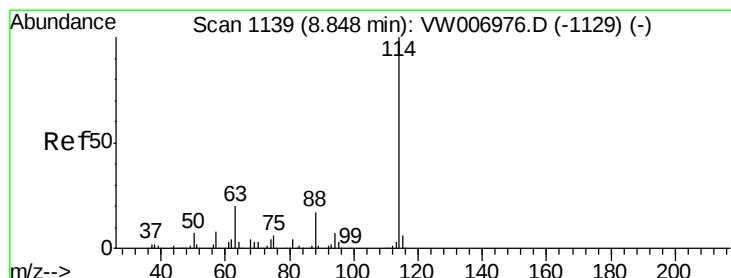
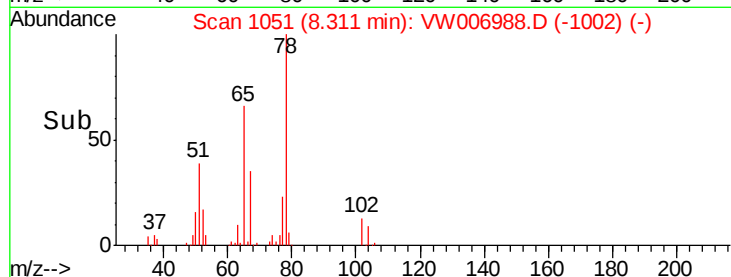
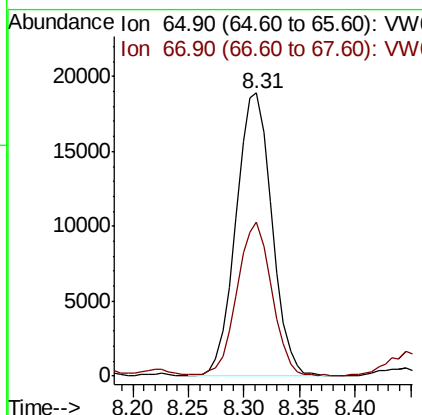
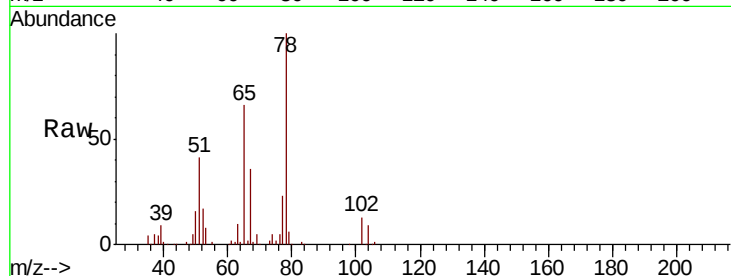




#33
 1,2-Dichloroethane-d4
 Concen: 46.706 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW006988.D
 Acq: 20 Nov 2018 21:23

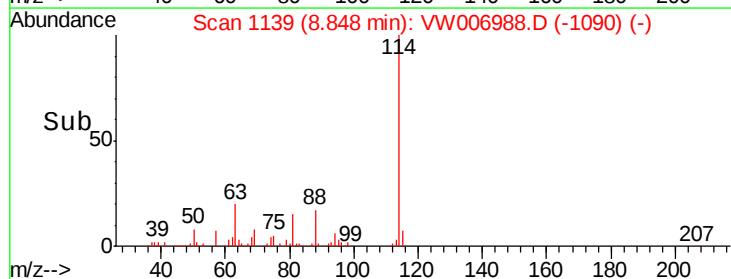
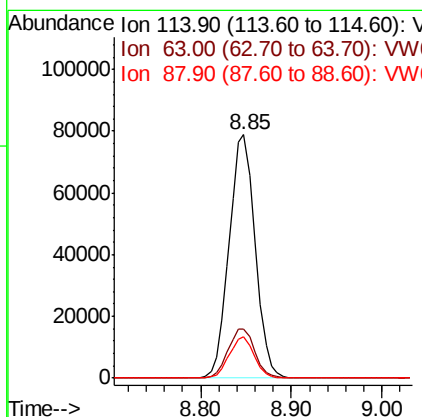
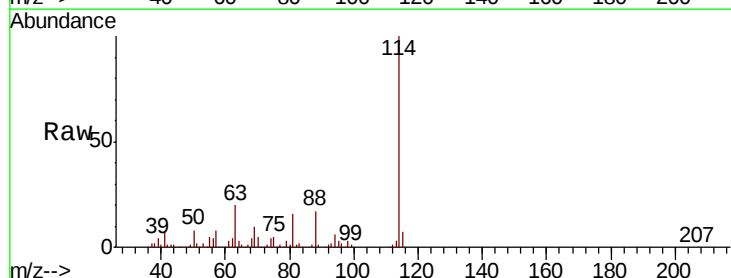
Instrument :
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 ClientSampleId :

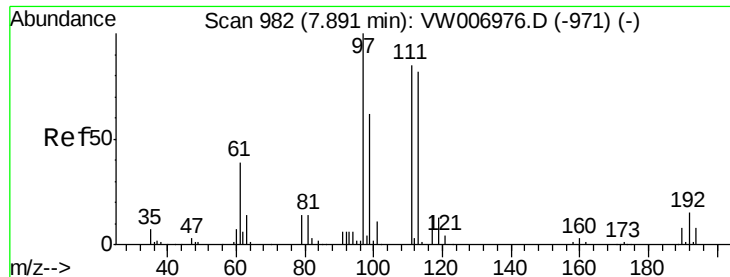
Tot Ion: 65 Resp: 42288
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006988.D
 Acq: 20 Nov 2018 21:23

Tgt Ion: 114 Resp: 157275
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.4
 88 16.9 0.0 34.2

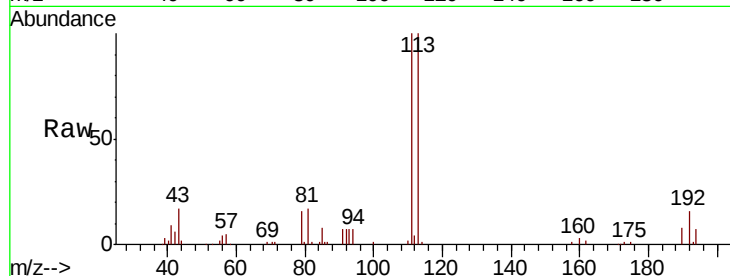




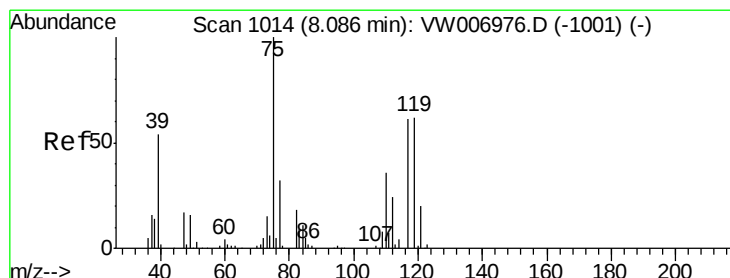
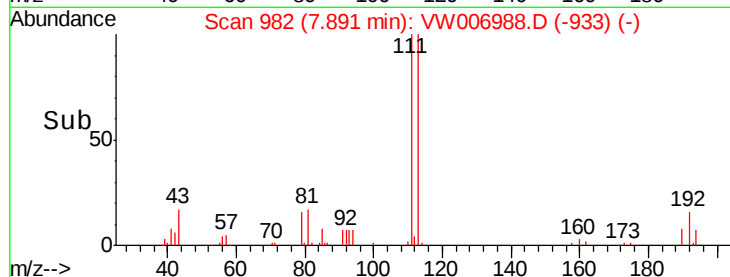
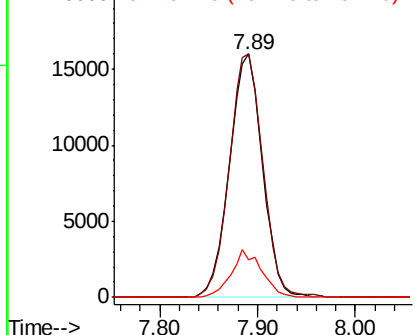
#35
 Dibromofluoromethane
 Concen: 42.131 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW006988.D
 Acq: 20 Nov 2018 21:23

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:113 Resp: 37420
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.0 121.6
 192 17.9 15.0 22.6

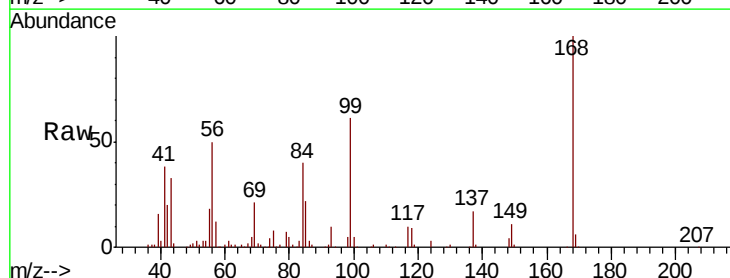


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

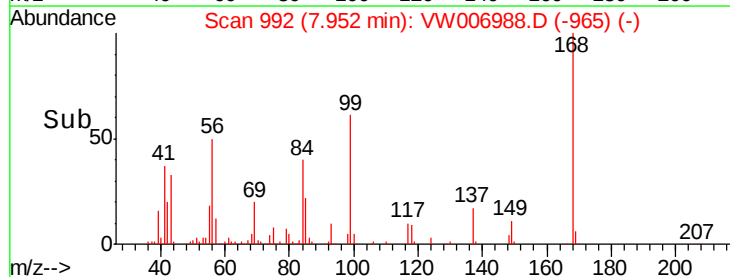
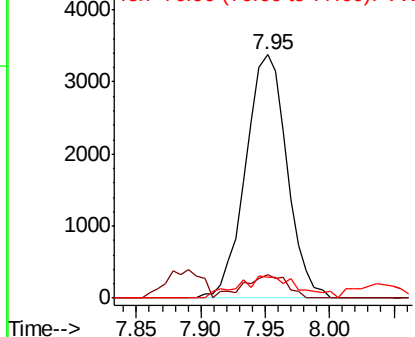


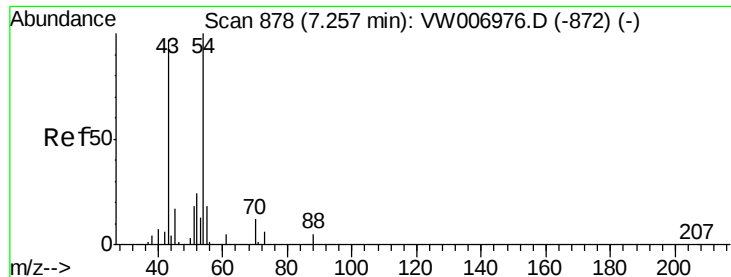
#36
 1,1-Dichloropropene
 Concen: 4.884 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006988.D
 Acq: 20 Nov 2018 21:23

Tgt Ion: 75 Resp: 7507
 Ion Ratio Lower Upper
 75 100
 110 9.6 18.0 54.0#
 77 13.2 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

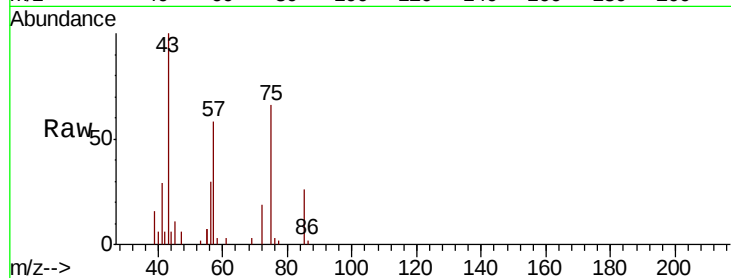




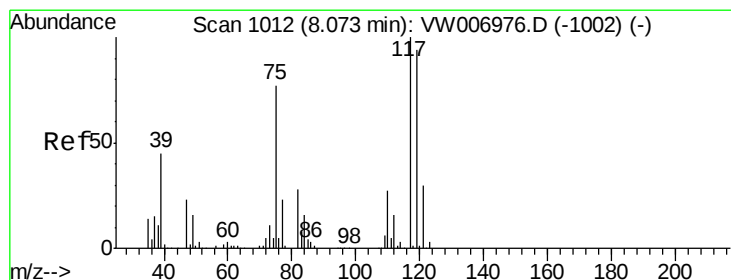
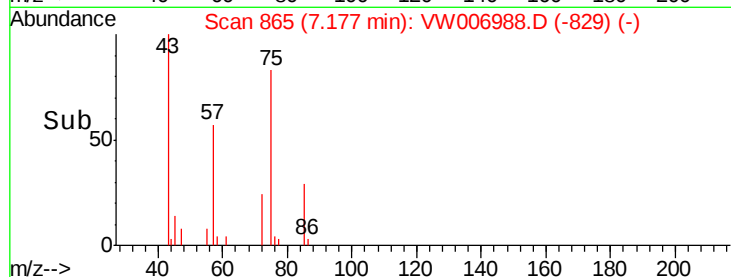
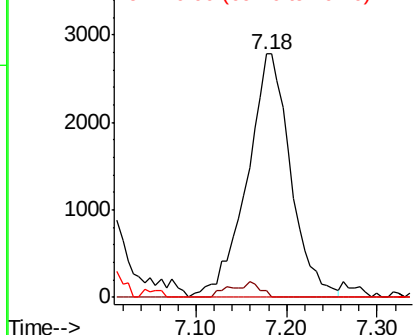
#37
Ethyl Acetate
Concen: 16.623 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.08 min
Lab File: VW006988.D
Acq: 20 Nov 2018 21:23

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 9258
Ion Ratio Lower Upper
43 100
61 4.2 10.4 15.6#
70 0.0 8.8 13.2#

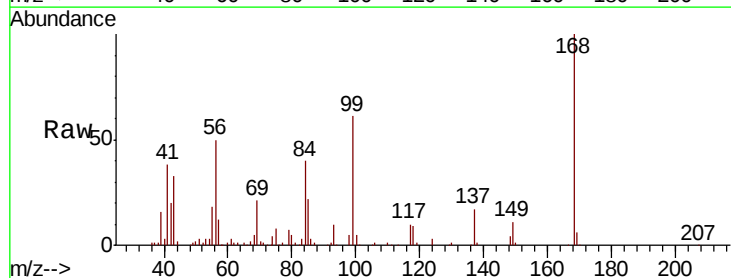


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

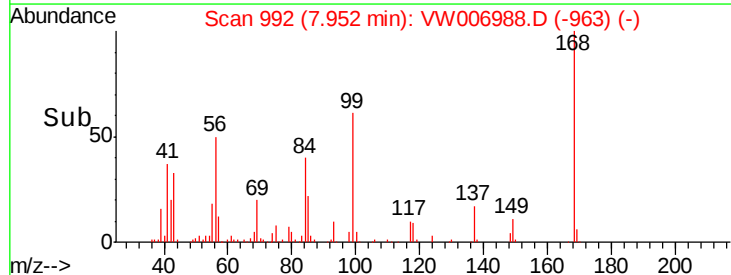
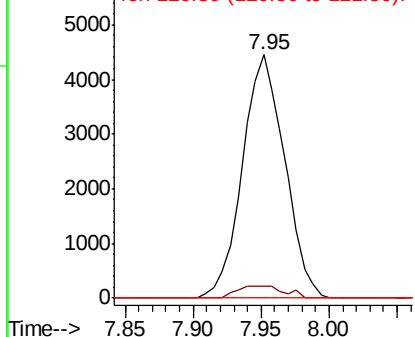


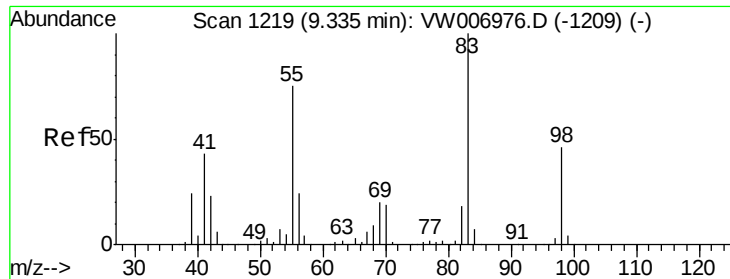
#38
Carbon Tetrachloride
Concen: 6.566 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW006988.D
Acq: 20 Nov 2018 21:23

Tgt Ion: 117 Resp: 9663
Ion Ratio Lower Upper
117 100
119 5.1 74.9 112.3#
121 0.0 23.6 35.4#



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

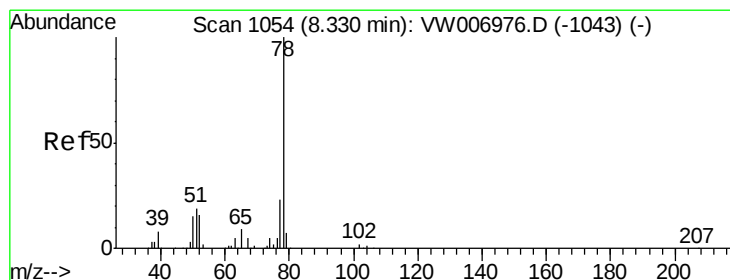
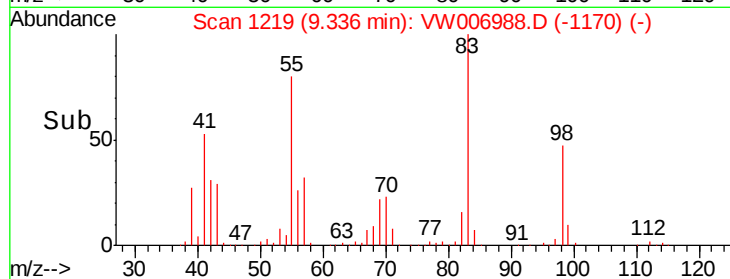
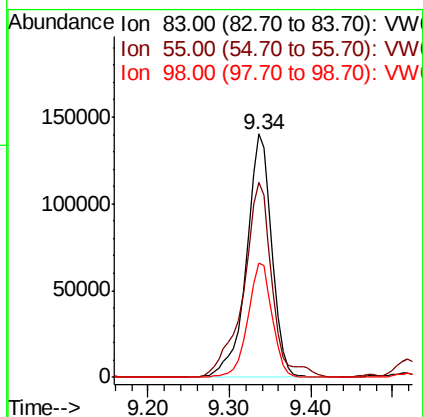
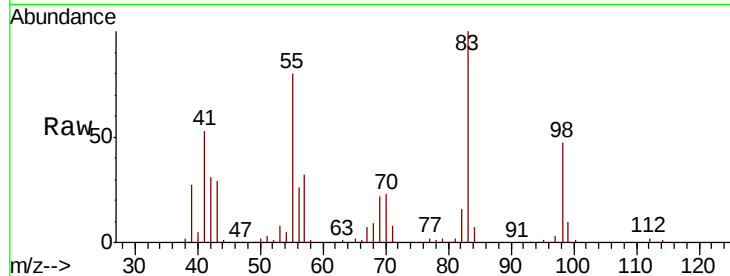




#39
Methvlcvclohexane
Concen: 157.914 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW006988.D
Acq: 20 Nov 2018 21:23

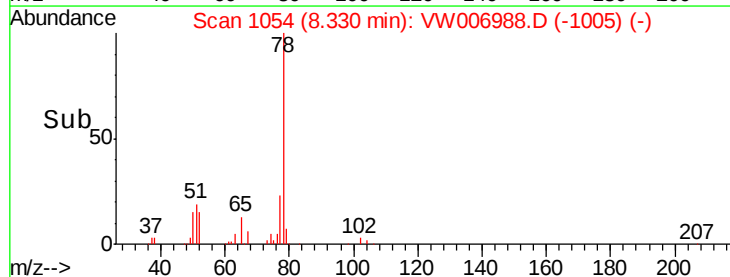
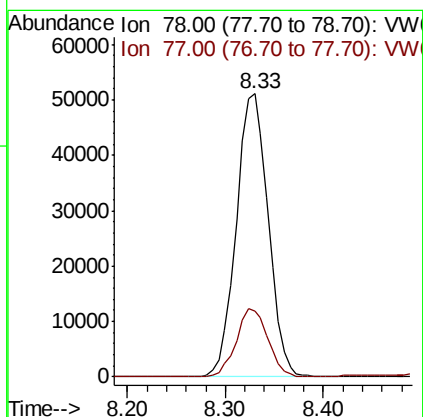
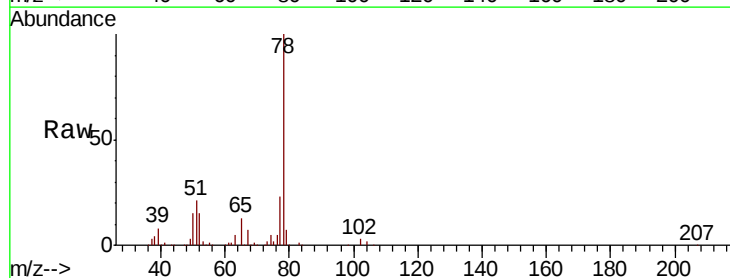
Instrument :
MSVOA_W
ClientSampleId :

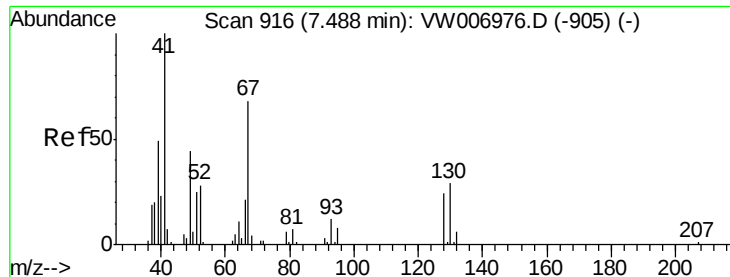
Tot Ion: 83 Resp: 303715
Ion Ratio Lower Upper
83 100
55 80.1 59.6 89.4
98 47.1 37.1 55.7



#40
Benzene
Concen: 27.890 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW006988.D
Acq: 20 Nov 2018 21:23

Tgt Ion: 78 Resp: 115704
Ion Ratio Lower Upper
78 100
77 23.3 18.6 28.0

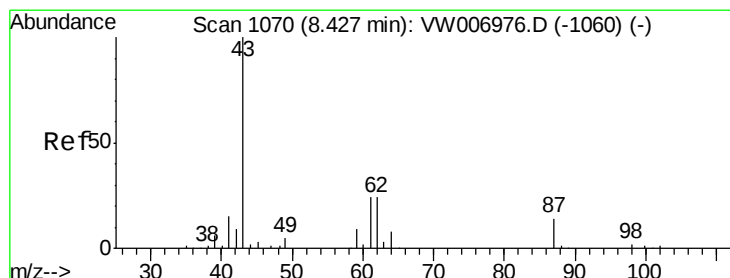
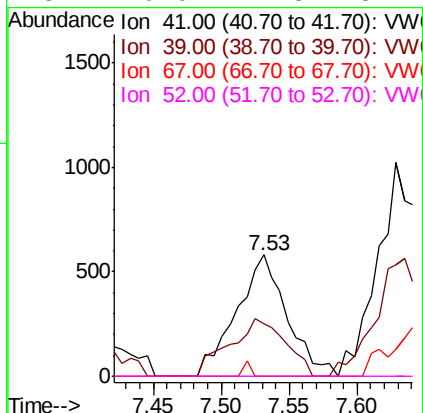
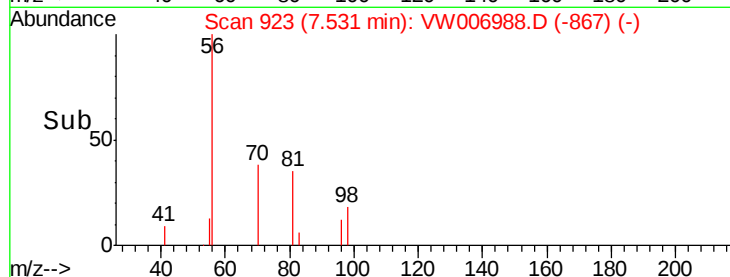
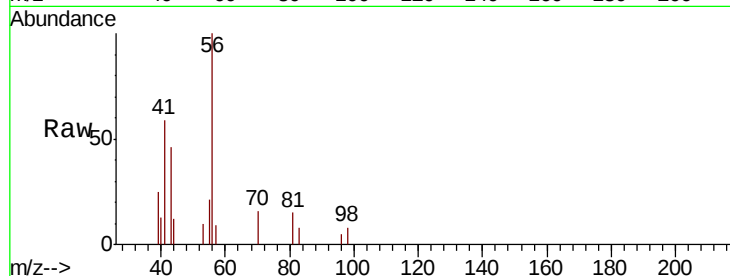




#41
Methacrylonitrile
Concen: 4.357 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.04 min
Lab File: VW006988.D
Acq: 20 Nov 2018 21:23

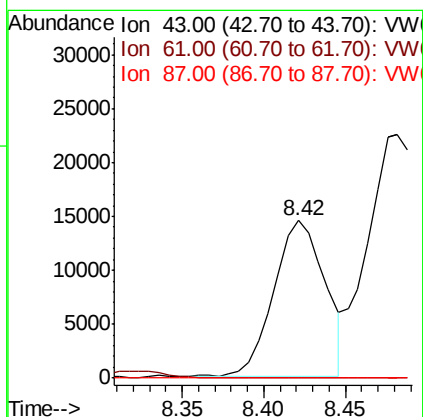
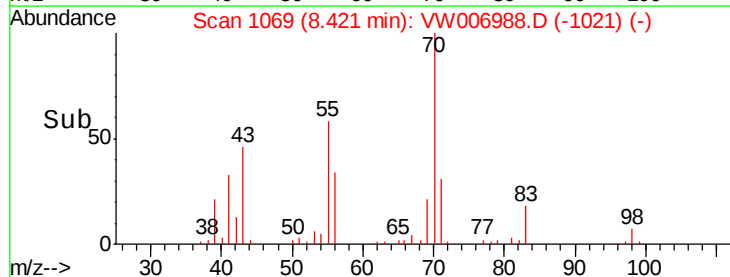
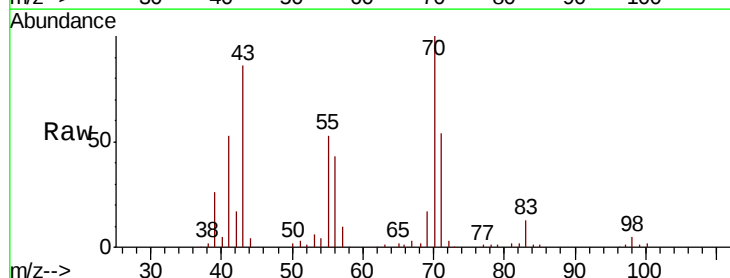
Instrument :
MSVOA_W
ClientSampled :

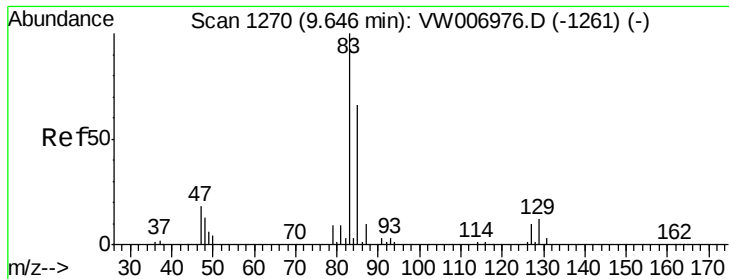
Tot Ion	Ratio	Lower	Upper
41	100		
39	52.6	48.6	73.0
67	0.0	59.8	89.8#
52	0.0	24.8	37.2#



#43
Isopropyl Acetate
Concen: 29.959 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.01 min
Lab File: VW006988.D
Acq: 20 Nov 2018 21:23

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	26.1	39.1#
87	0.0	11.2	16.8#





#47

Bromodichloromethane

Concen: 8.737 ug/l

RT: 9.62 min Scan# 1265

Delta R.T. -0.03 min

Lab File: VW006988.D

Acq: 20 Nov 2018 21:23

Instrument :

MSVOA_W

ClientSampleId :

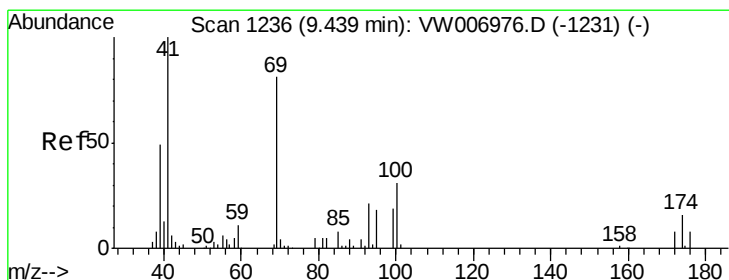
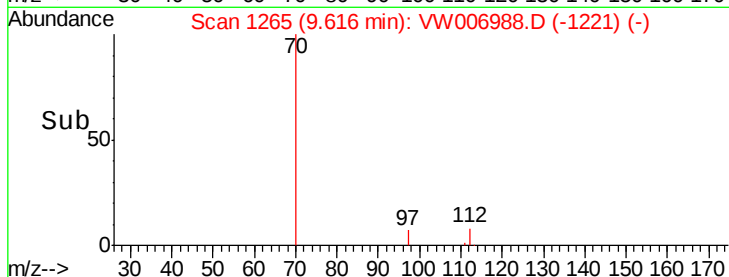
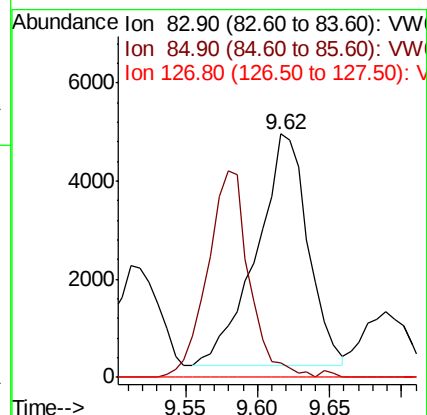
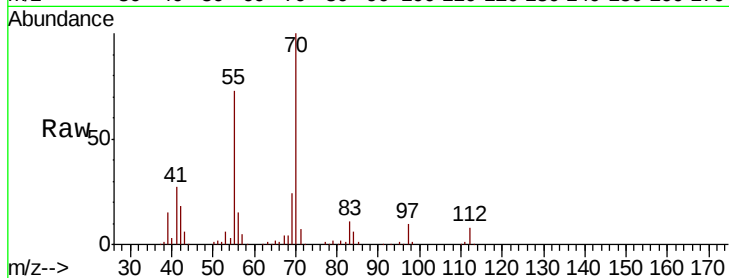
Tot Ion: 83 Resp: 11789

Ion Ratio Lower Upper

83 100

85 6.5 52.9 79.3#

127 0.0 7.8 11.6#



#48

Methyl methacrylate

Concen: 13.389 ug/l

RT: 9.47 min Scan# 1241

Delta R.T. 0.03 min

Lab File: VW006988.D

Acq: 20 Nov 2018 21:23

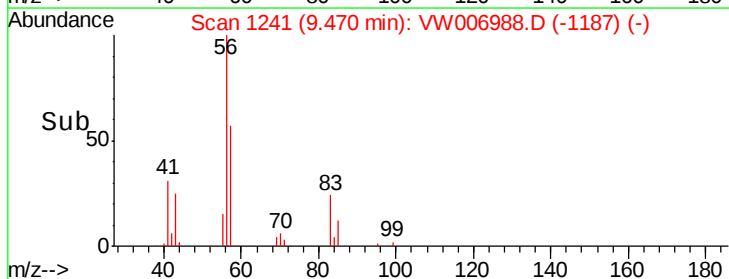
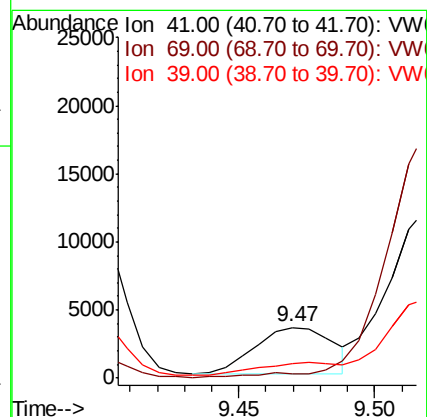
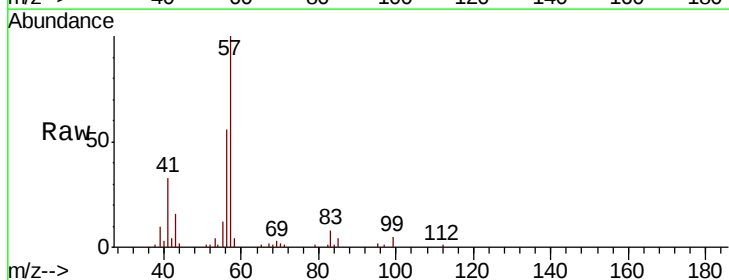
Tgt Ion: 41 Resp: 6852

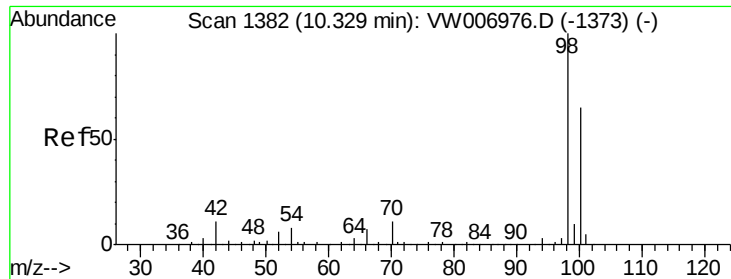
Ion Ratio Lower Upper

41 100

69 0.0 71.4 107.0#

39 0.0 44.8 67.2#





#50

Toluene-d8

Concen: 41.633 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW006988.D

Acq: 20 Nov 2018 21:23

Instrument :

MSVOA_W

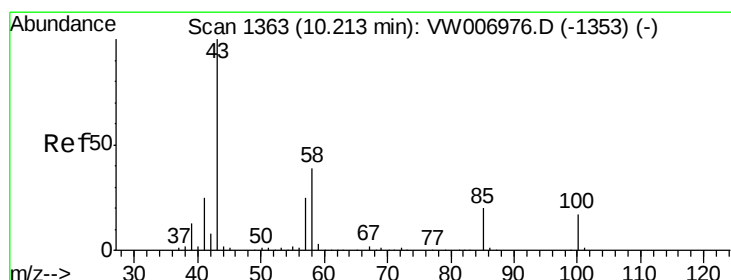
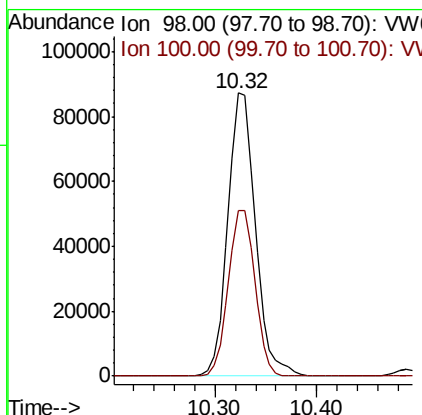
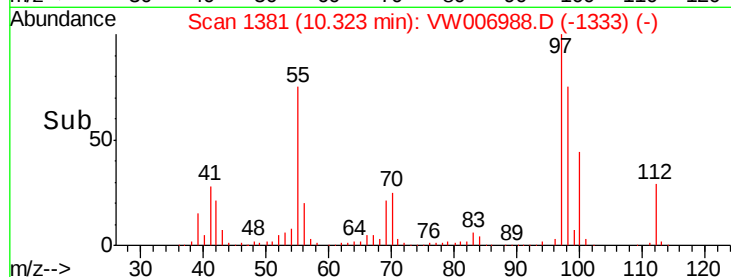
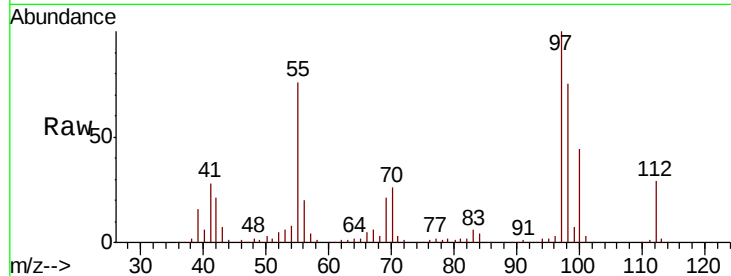
ClientSampleId :

Tot Ion: 98 Resp: 163288

Ion Ratio Lower Upper

98 100

100 56.5 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 26.403 ug/l

RT: 10.25 min Scan# 1369

Delta R.T. 0.04 min

Lab File: VW006988.D

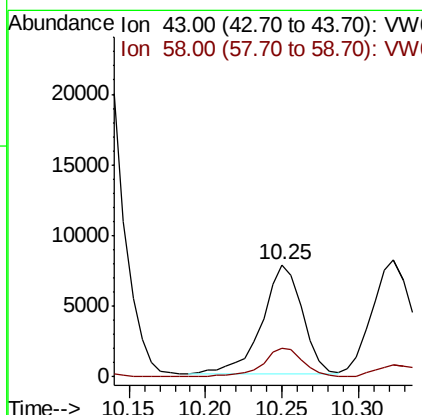
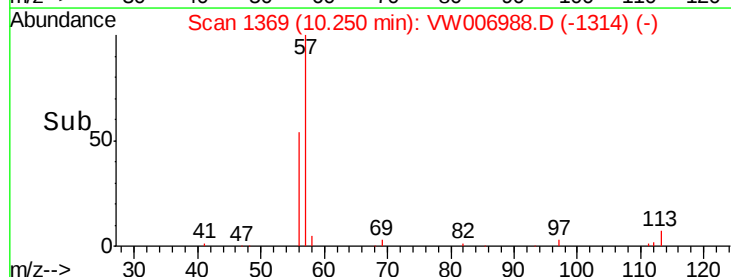
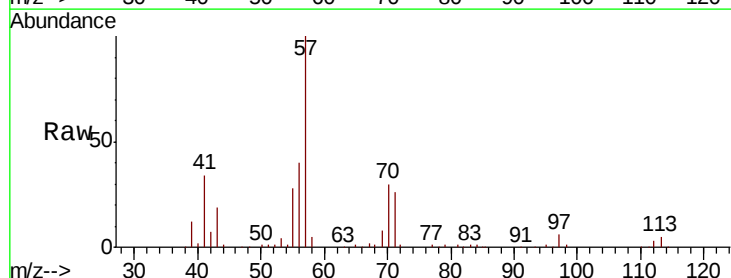
Acq: 20 Nov 2018 21:23

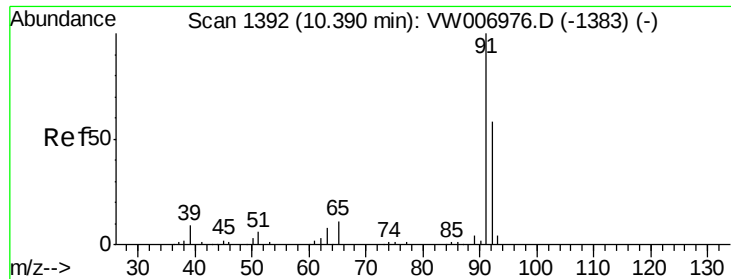
Tgt Ion: 43 Resp: 14161

Ion Ratio Lower Upper

43 100

58 26.5 31.8 47.6#





#52

Toluene

Concen: 13.697 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006988.D

Acq: 20 Nov 2018 21:23

Instrument :

MSVOA_W

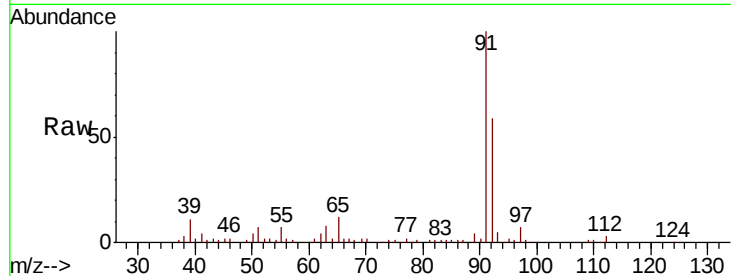
ClientSampleId :

Tot Ion: 92 Resp: 38670

Ion Ratio Lower Upper

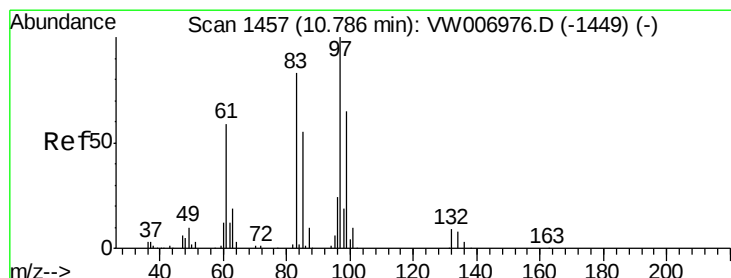
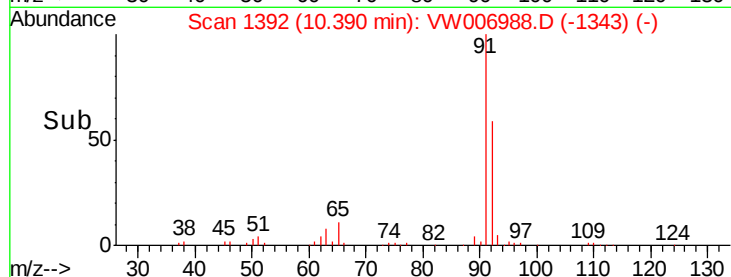
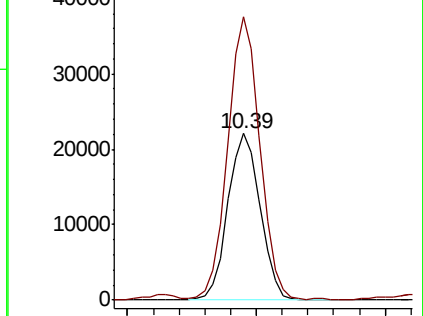
92 100

91 169.1 137.3 205.9



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#55

1,1,2-Trichloroethane

Concen: 98.288 ug/l

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW006988.D

Acq: 20 Nov 2018 21:23

Tgt Ion: 97 Resp: 74059

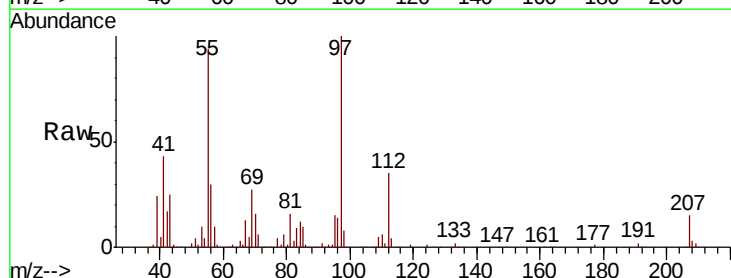
Ion Ratio Lower Upper

97 100

83 8.5 66.4 99.6#

85 9.8 44.1 66.1#

99 0.5 51.7 77.5#

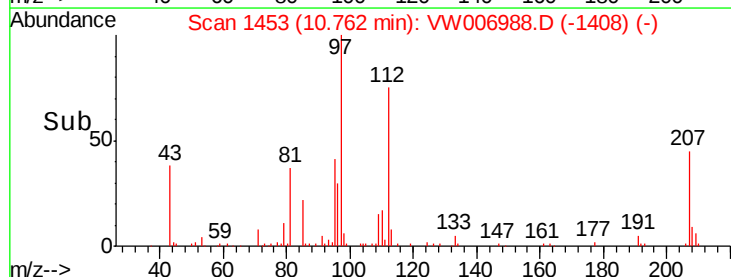
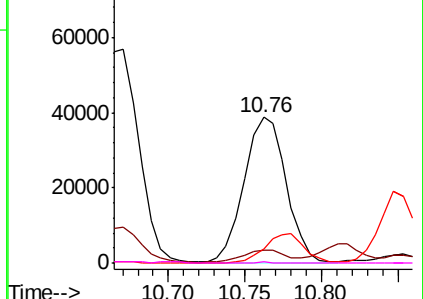


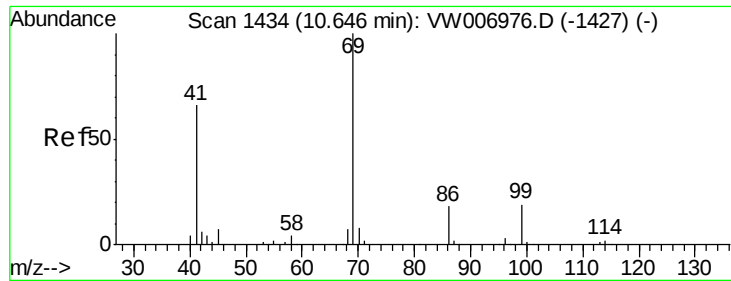
Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW

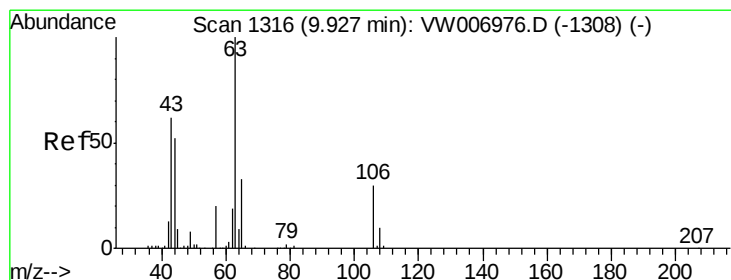
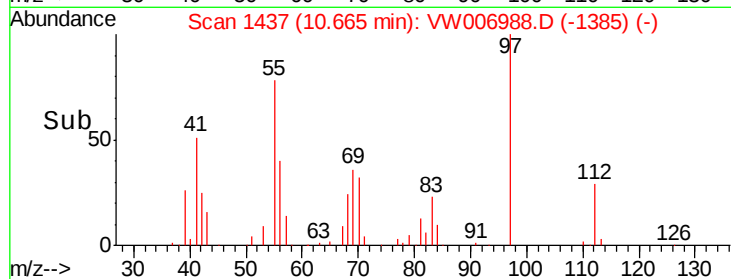
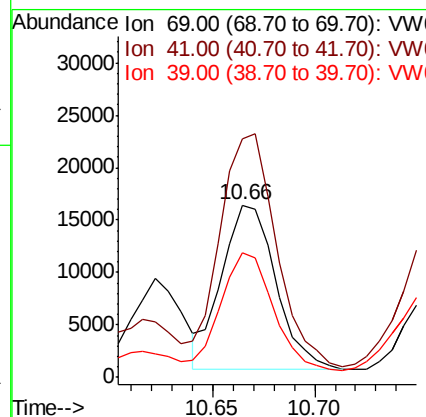
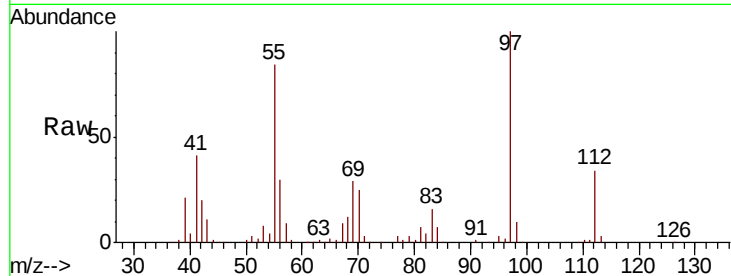




#56
 Ethyl methacrylate
 Concen: 32.965 ug/l
 RT: 10.66 min Scan# 1437
 Delta R.T. 0.02 min
 Lab File: VW006988.D
 Acq: 20 Nov 2018 21:23

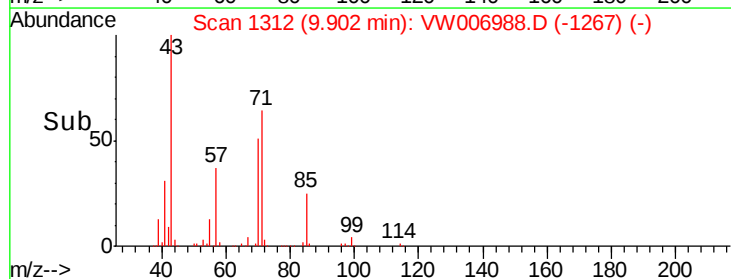
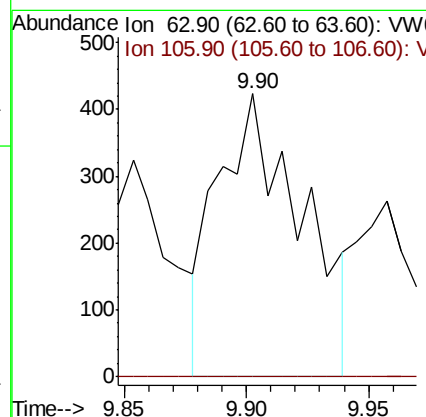
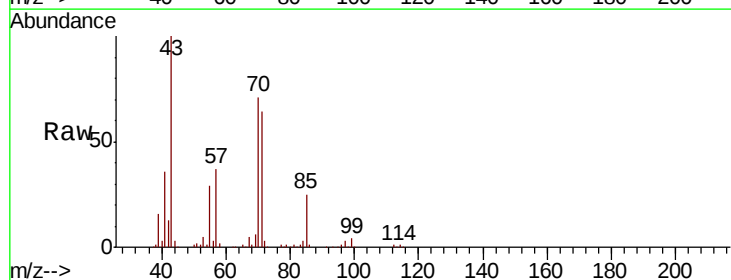
Instrument :
 MSVOA_W
 ClientSampled :

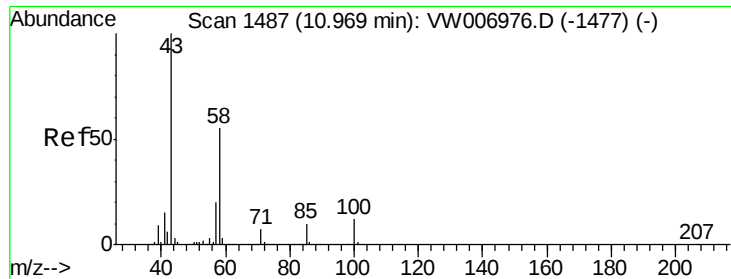
Tot Ion: 69 Resp: 28832
 Ion Ratio Lower Upper
 69 100
 41 149.0 53.4 80.0#
 39 70.0 28.2 42.4#



#58
 2-Chloroethyl Vinyl ether
 Concen: 2.201 ug/l
 RT: 9.90 min Scan# 1312
 Delta R.T. -0.02 min
 Lab File: VW006988.D
 Acq: 20 Nov 2018 21:23

Tgt Ion: 63 Resp: 1006
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.5 35.3#

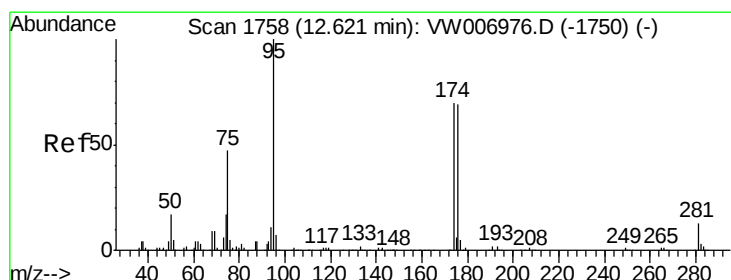
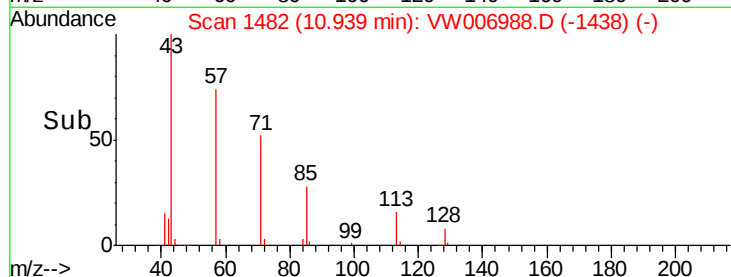
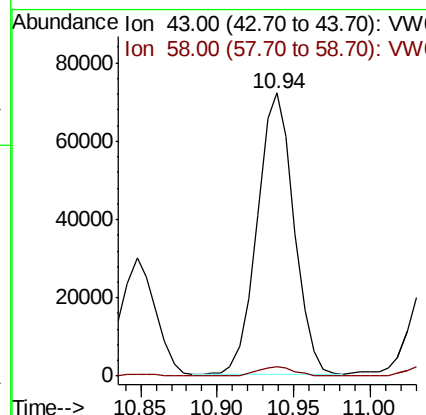
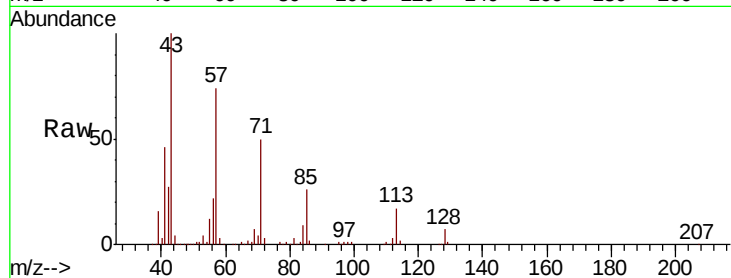




#59
2-Hexanone
Concen: 327.938 ug/l
RT: 10.94 min Scan# 1482
Delta R.T. -0.03 min
Lab File: VW006988.D
Acq: 20 Nov 2018 21:23

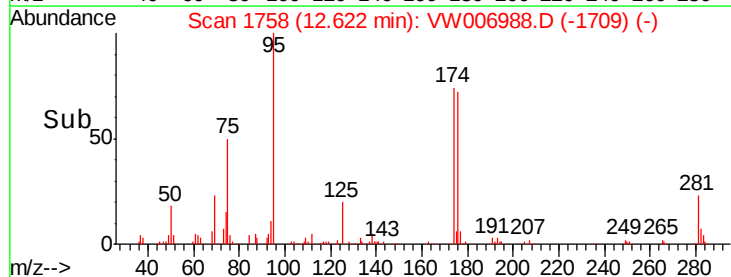
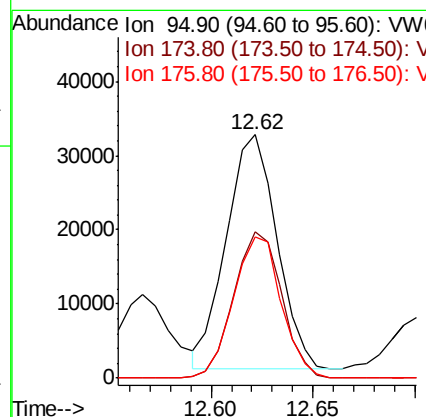
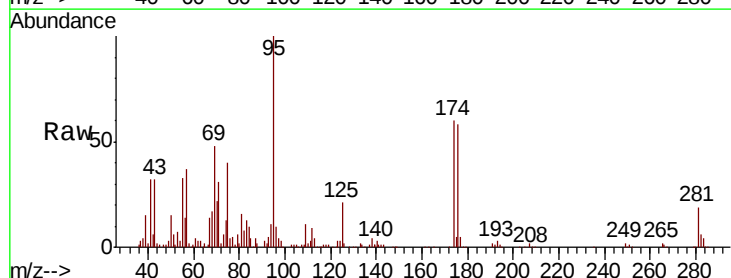
Instrument :
MSVOA_W
ClientSampleId :

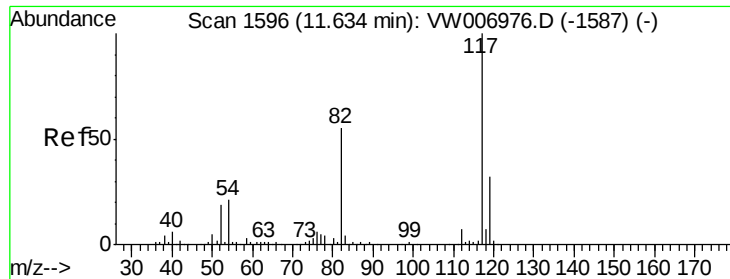
Tot Ion: 43 Resp: 120447
Ion Ratio Lower Upper
43 100
58 3.6 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 35.037 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW006988.D
Acq: 20 Nov 2018 21:23

Tgt Ion: 95 Resp: 54075
Ion Ratio Lower Upper
95 100
174 59.8 0.0 143.6
176 57.7 0.0 140.4

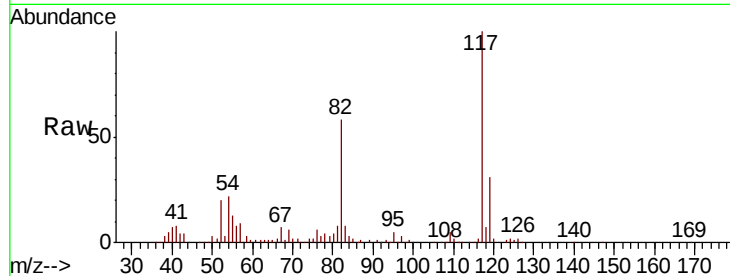




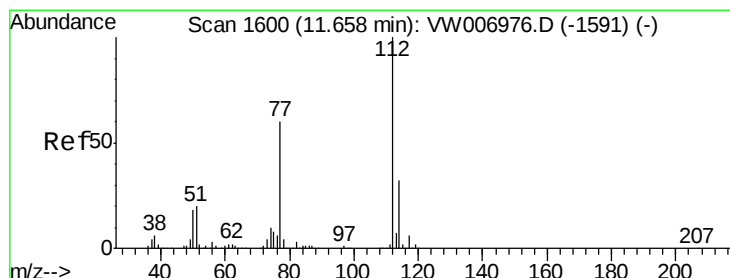
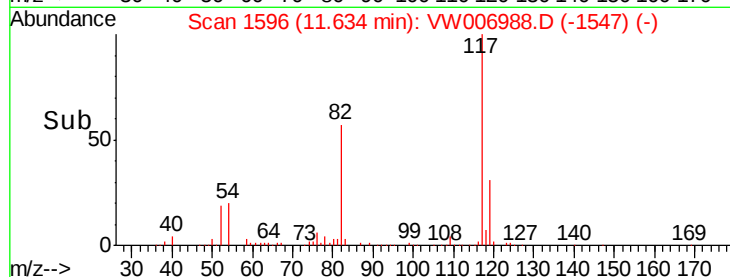
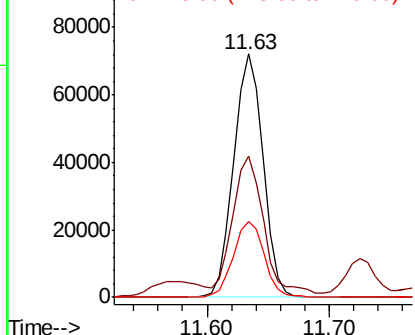
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006988.D
Acq: 20 Nov 2018 21:23

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 119665
Ion Ratio Lower Upper
117 100
82 53.5 44.2 66.2
119 30.8 25.9 38.9

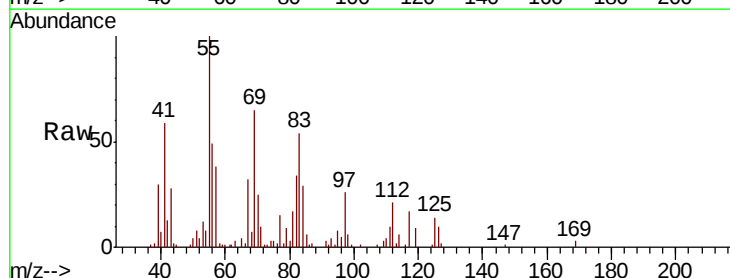


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

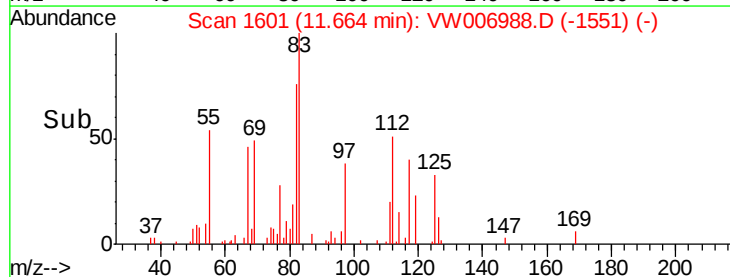
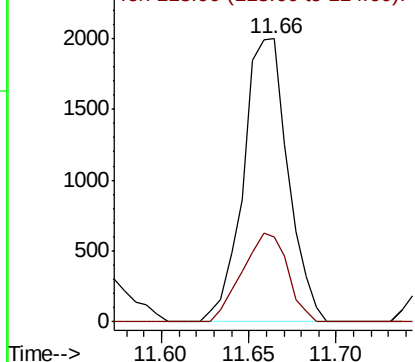


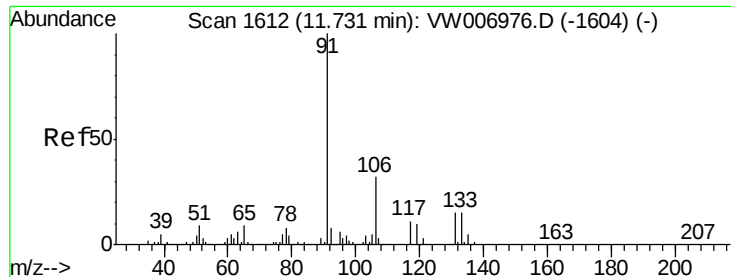
#65
Chlorobenzene
Concen: 1.426 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VW006988.D
Acq: 20 Nov 2018 21:23

Tgt Ion:112 Resp: 3561
Ion Ratio Lower Upper
112 100
114 30.1 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

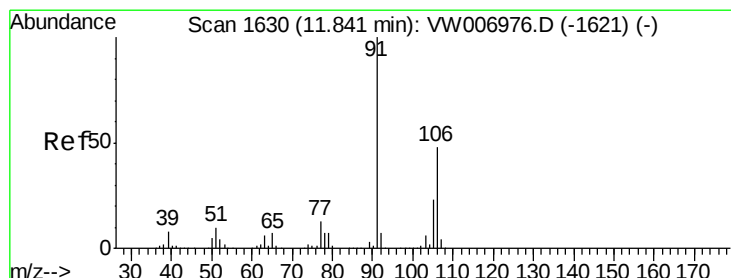
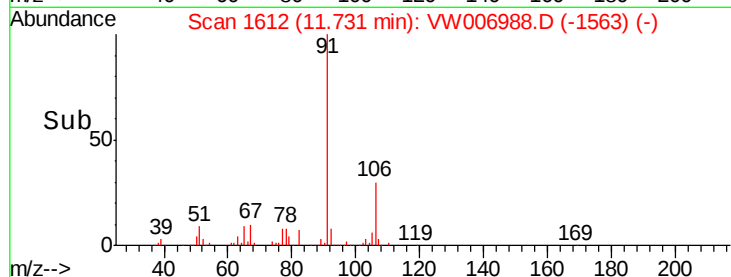
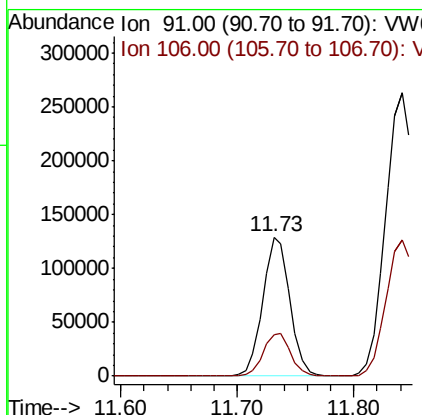
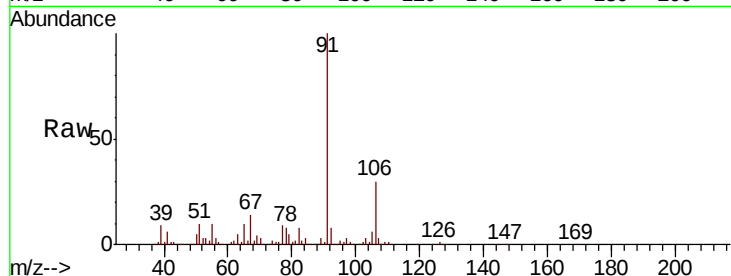




#67
Ethyl Benzene
Concen: 45.179 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW006988.D
Acq: 20 Nov 2018 21:23

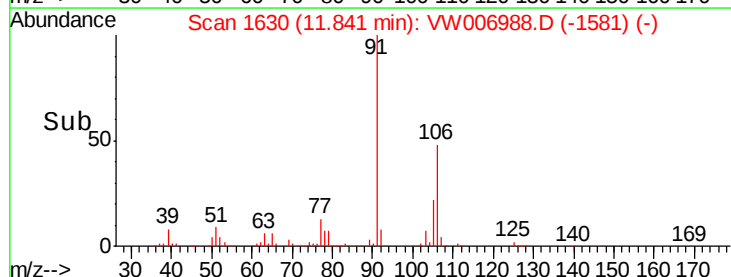
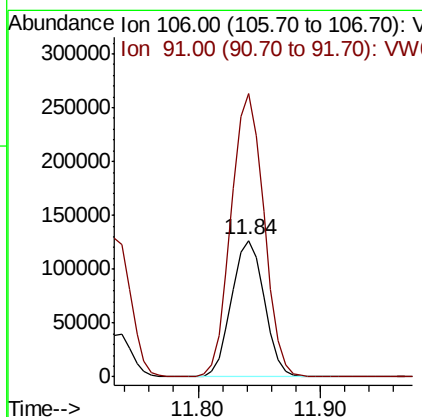
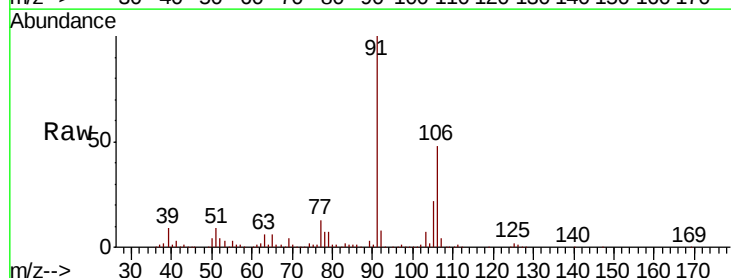
Instrument :
MSVOA_W
ClientSampled :

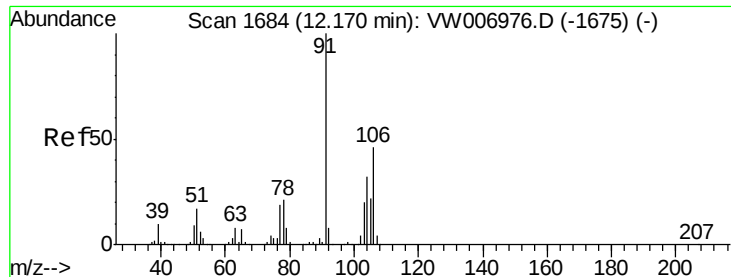
Tot Ion: 91 Resp: 207291
Ion Ratio Lower Upper
91 100
106 30.1 25.4 38.2



#68
m/p-Xylenes
Concen: 130.500 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW006988.D
Acq: 20 Nov 2018 21:23

Tgt Ion: 106 Resp: 234913
Ion Ratio Lower Upper
106 100
91 207.3 164.8 247.2

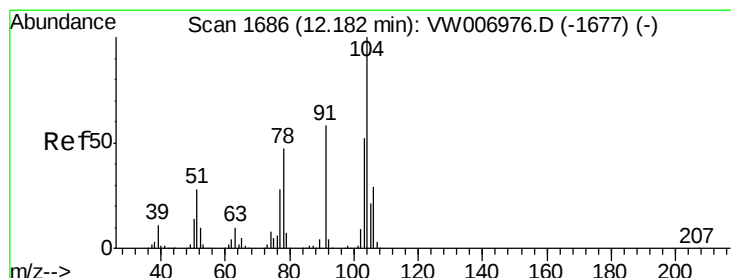
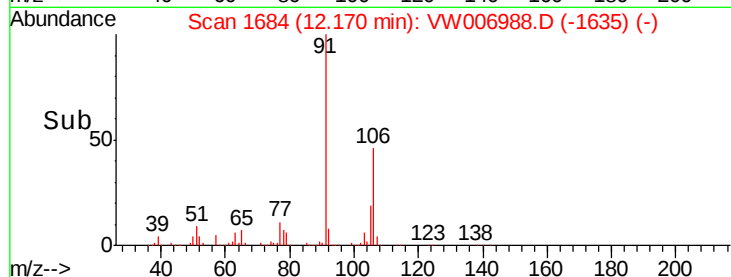
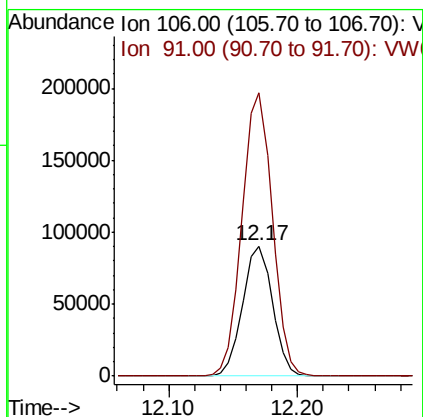
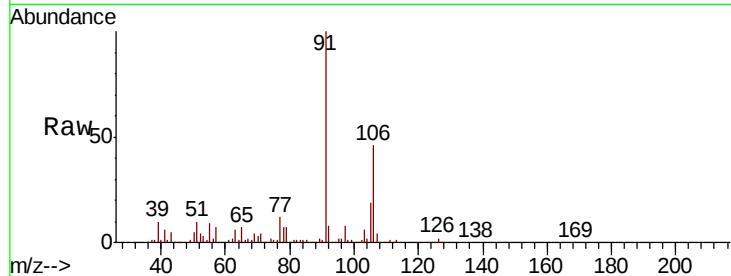




#69
o-Xylene
Concen: 85.453 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006988.D
Acq: 20 Nov 2018 21:23

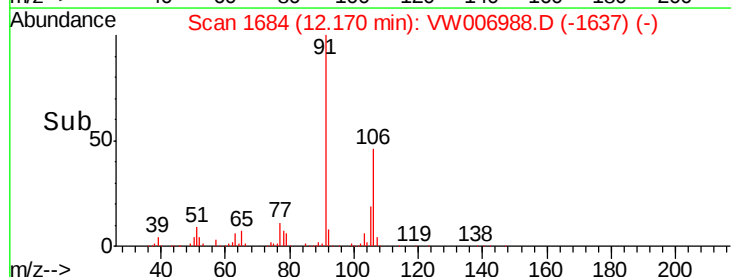
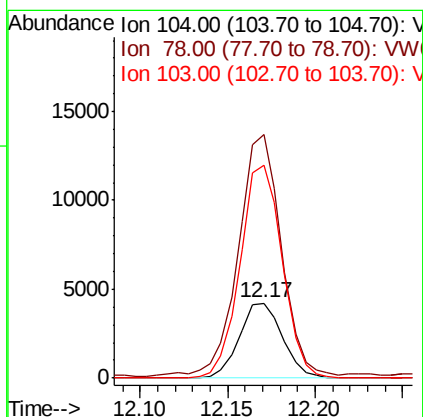
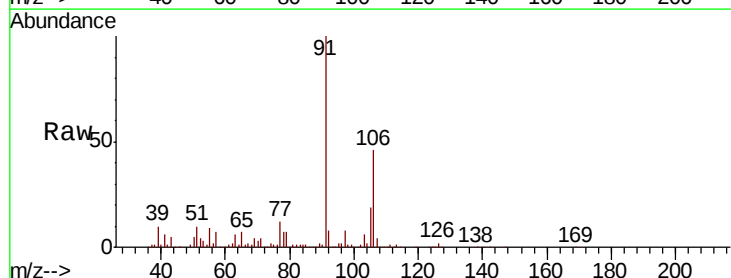
Instrument :
MSVOA_W
ClientSampled :

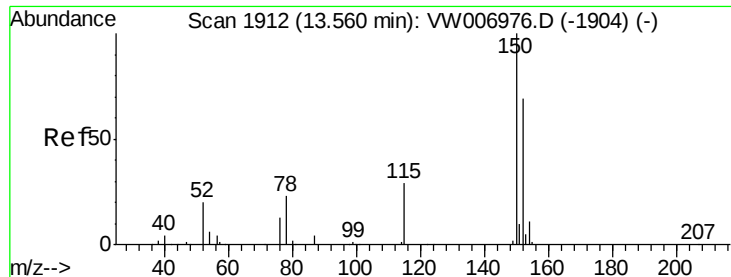
Tot Ion:106 Resp: 145043
Ion Ratio Lower Upper
106 100
91 220.9 107.9 323.8



#70
Styrene
Concen: 2.663 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.01 min
Lab File: VW006988.D
Acq: 20 Nov 2018 21:23

Tgt Ion:104 Resp: 7193
Ion Ratio Lower Upper
104 100
78 323.4 41.8 62.8#
103 279.3 44.4 66.6#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW006988.D

Acq: 20 Nov 2018 21:23

Instrument :

MSVOA_W

ClientSampled :

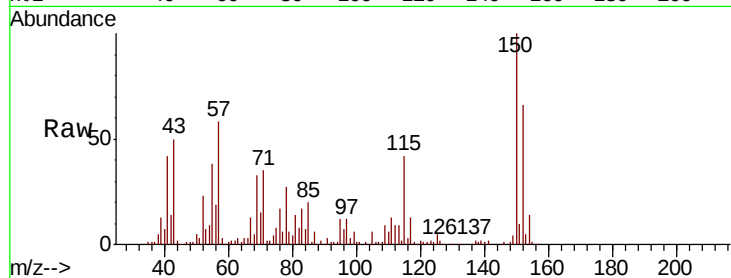
Tot Ion:152 Resp: 41392

Ion Ratio Lower Upper

152 100

115 79.2 31.4 94.2

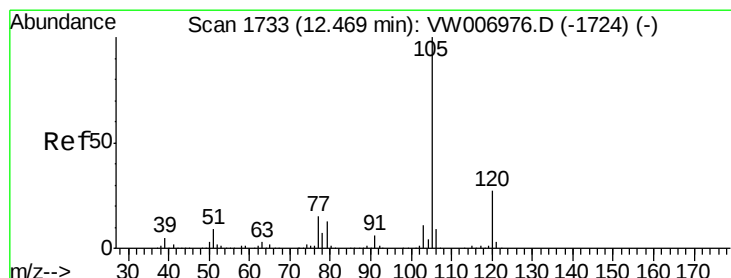
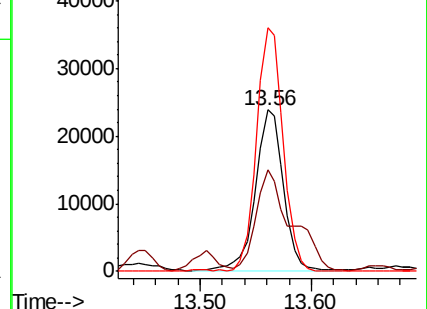
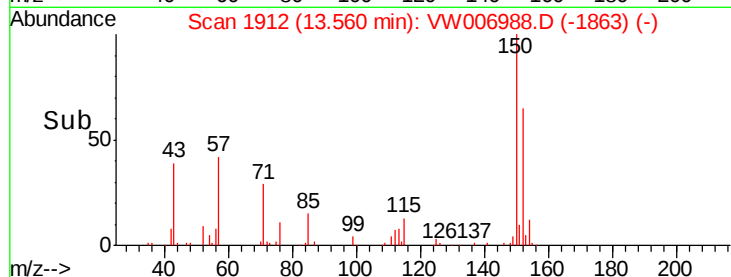
150 144.7 0.0 353.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 14.976 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006988.D

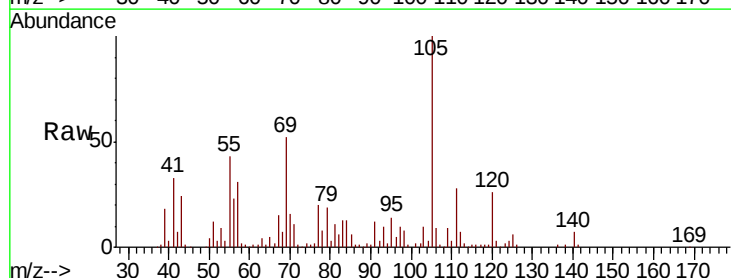
Acq: 20 Nov 2018 21:23

Tgt Ion:105 Resp: 48178

Ion Ratio Lower Upper

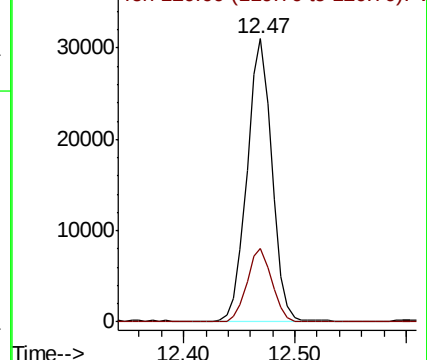
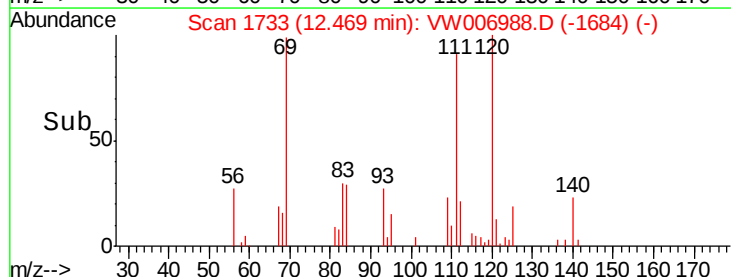
105 100

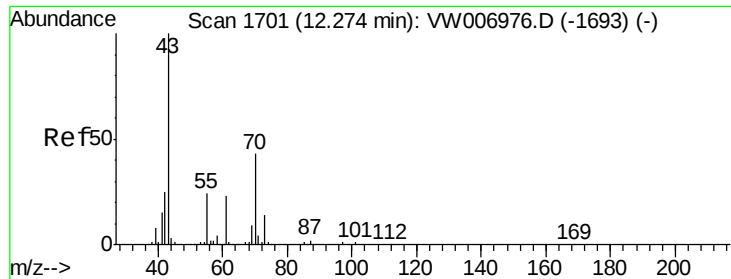
120 25.7 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 156.414 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW006988.D

Acq: 20 Nov 2018 21:23

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 84331

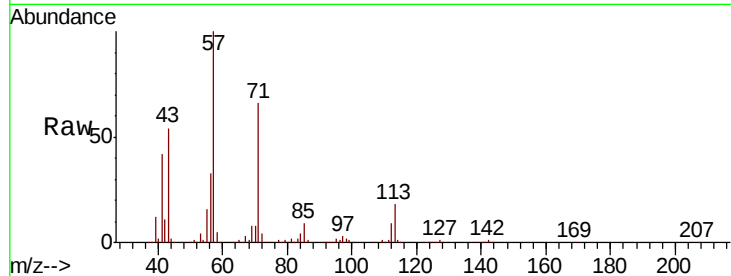
Ion Ratio Lower Upper

43 100

70 19.3 34.0 51.0#

55 0.0 19.4 29.0#

61 0.0 19.4 29.2#

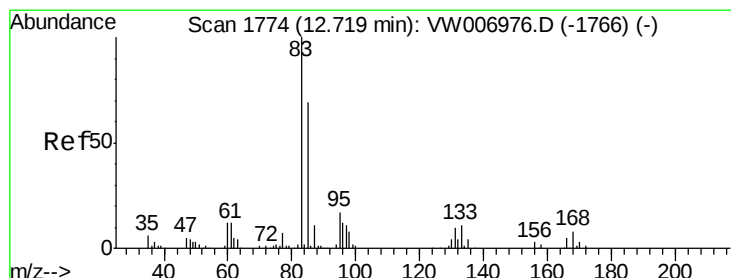
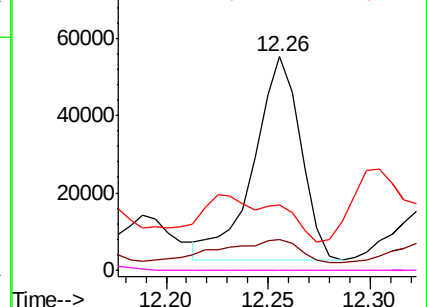
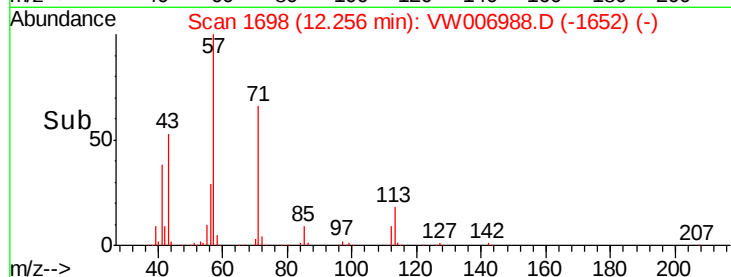


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#75

1,1,2,2-Tetrachloroethane

Concen: 10.128 ug/l

RT: 12.70 min Scan# 1771

Delta R.T. -0.02 min

Lab File: VW006988.D

Acq: 20 Nov 2018 21:23

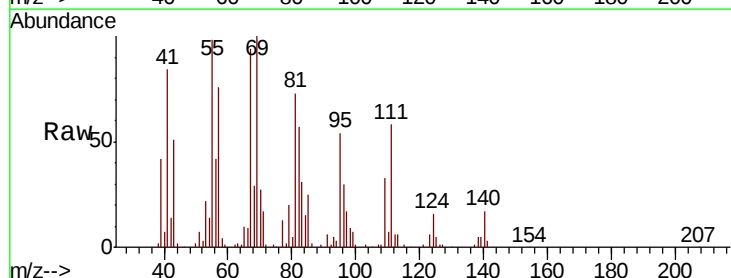
Tgt Ion: 83 Resp: 4336

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.1#

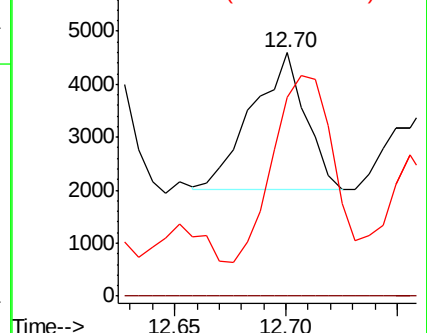
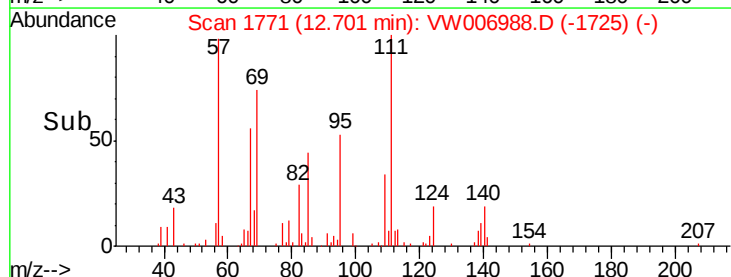
85 149.2 33.1 99.2#

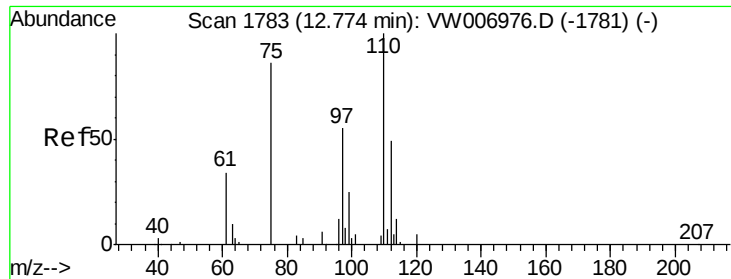


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



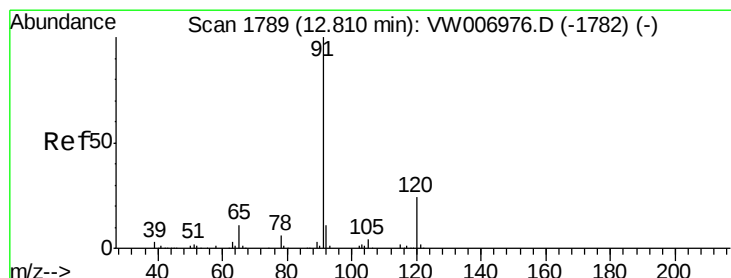
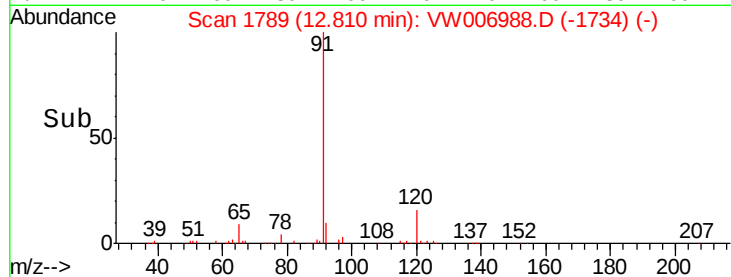
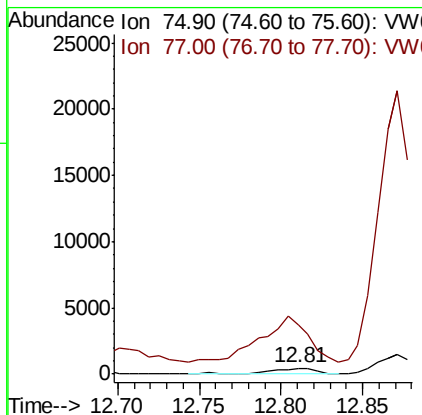
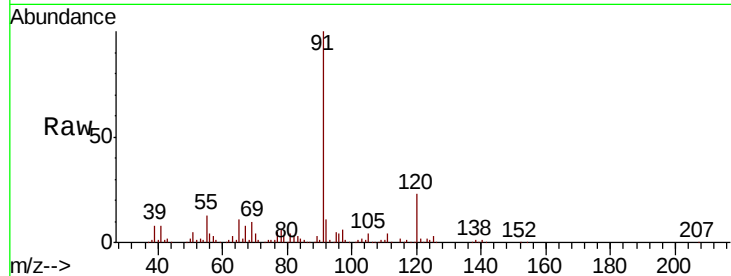


#76

1,2,3-Trichloropropane
Concen: 2.893 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. 0.04 min
Lab File: VW006988.D
Acq: 20 Nov 2018 21:23

Instrument :
MSVOA_W
ClientSampleId :

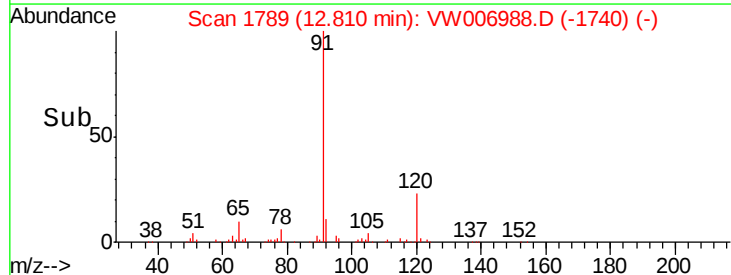
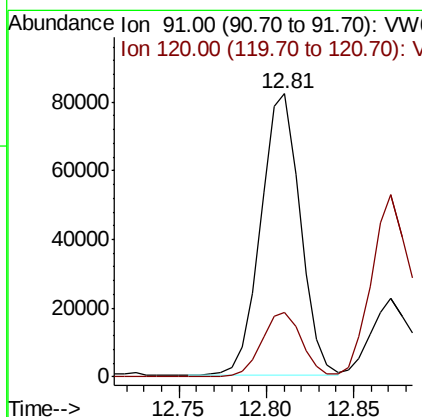
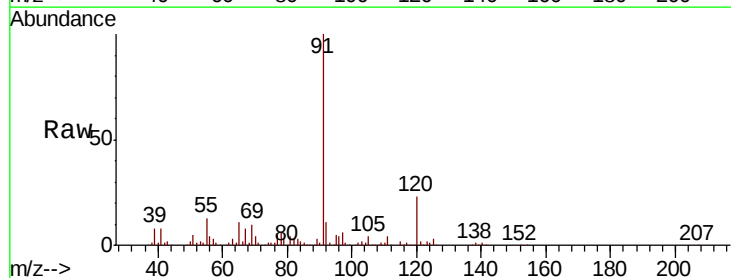
Tot Ion: 75 Resp: 941
Ion Ratio Lower Upper
75 100
77 769.6 0.0 0.0#

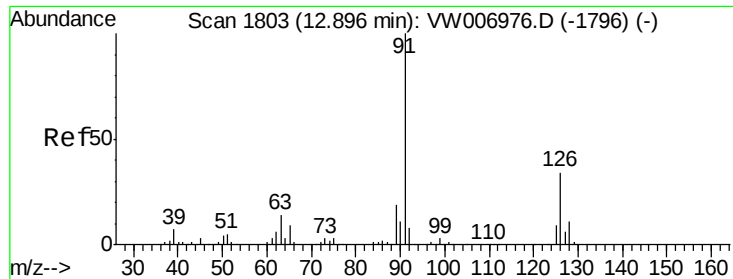


#78

n-propylbenzene
Concen: 33.042 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VW006988.D
Acq: 20 Nov 2018 21:23

Tgt Ion: 91 Resp: 128754
Ion Ratio Lower Upper
91 100
120 23.3 11.7 35.1

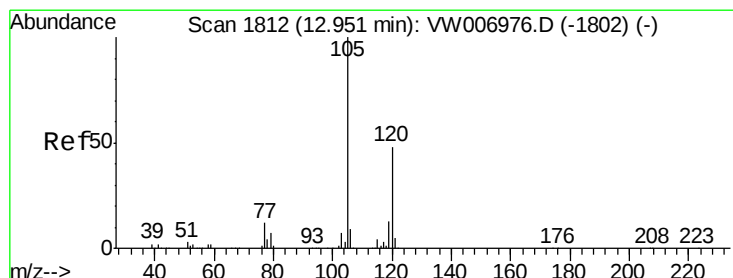
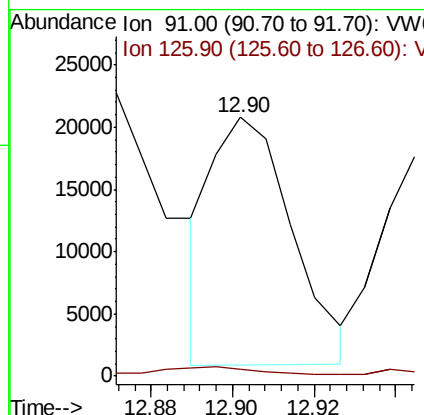
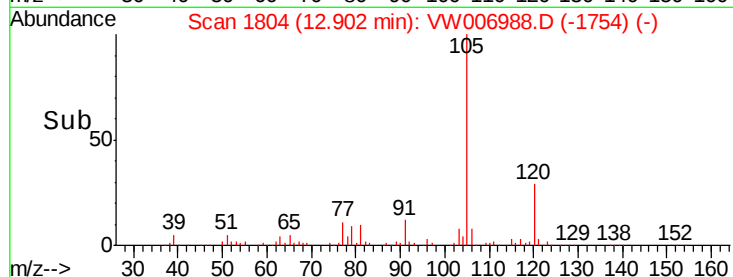
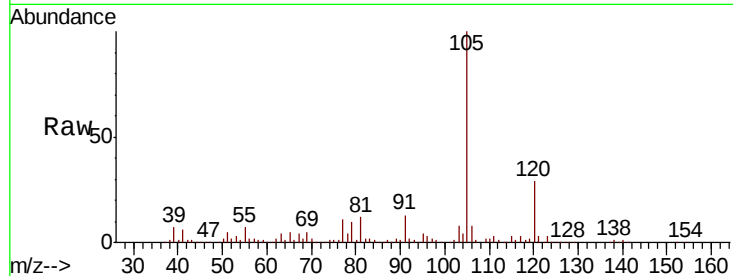




#79
 2-Chlorotoluene
 Concen: 12.189 ug/l
 RT: 12.90 min Scan# 1804
 Delta R.T. 0.01 min
 Lab File: VW006988.D
 Acq: 20 Nov 2018 21:23

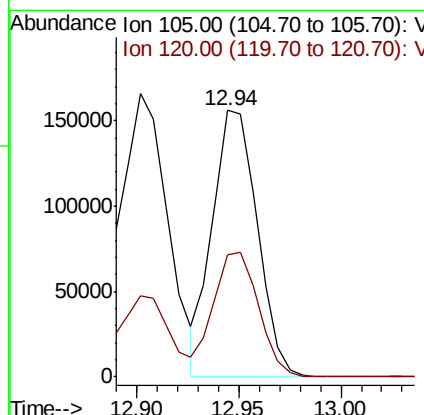
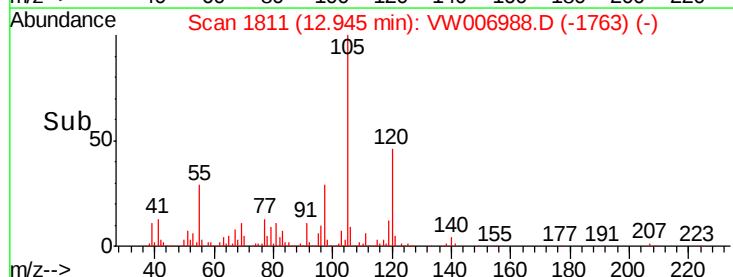
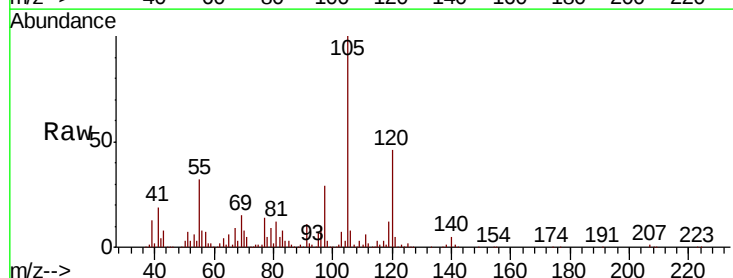
Instrument :
 MSVOA_W
 ClientSampled :

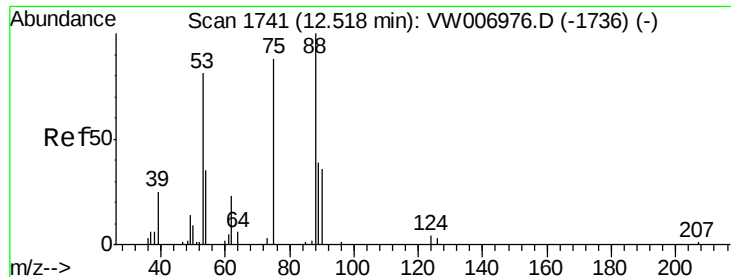
Tot Ion: 91 Resp: 27386
 Ion Ratio Lower Upper
 91 100
 126 6.1 16.7 50.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 85.714 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.01 min
 Lab File: VW006988.D
 Acq: 20 Nov 2018 21:23

Tgt Ion:105 Resp: 238442
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.8 71.2





#81

trans-1,4-Dichloro-2-butene

Concen: 5.496 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.05 min

Lab File: VW006988.D

Acq: 20 Nov 2018 21:23

Instrument :

MSVOA_W

ClientSampleId :

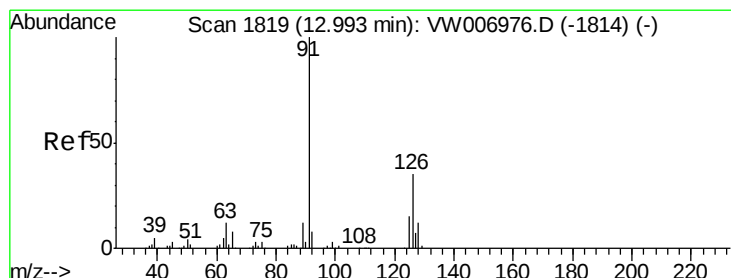
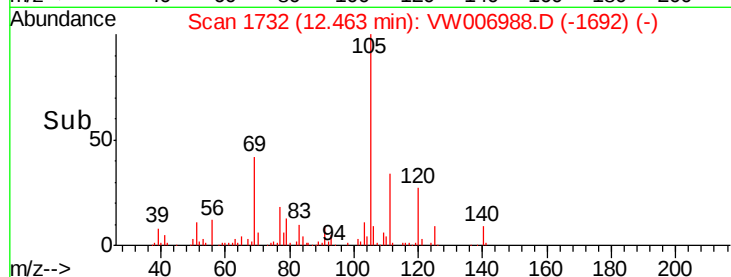
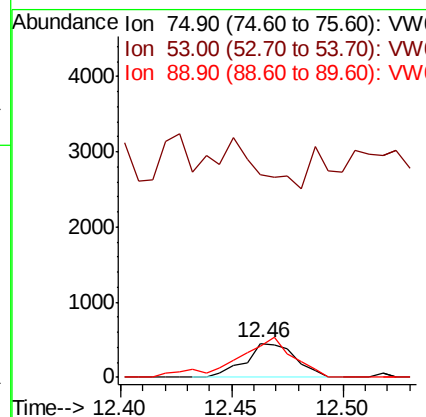
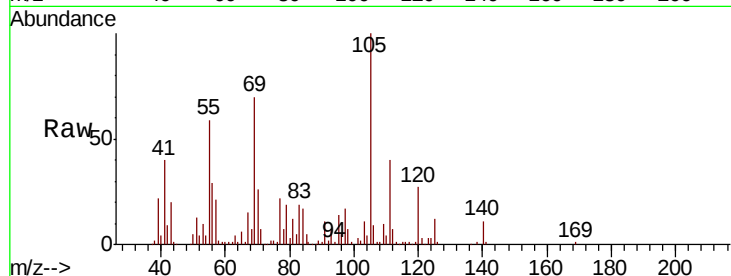
Tot Ion: 75 Resp: 712

Ion Ratio Lower Upper

75 100

53 0.0 77.6 116.4#

89 130.8 39.3 58.9#



#82

4-Chlorotoluene

Concen: 10.841 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.04 min

Lab File: VW006988.D

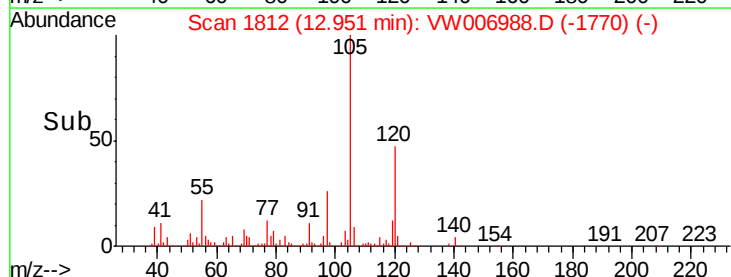
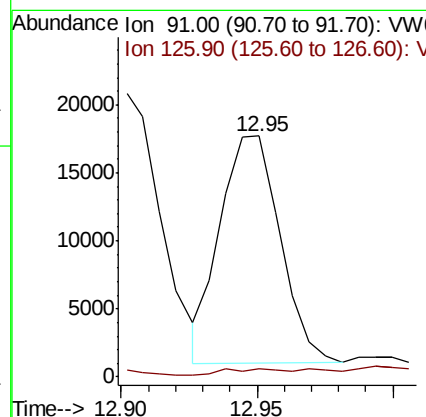
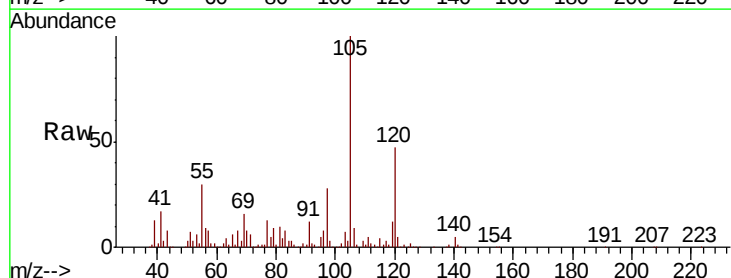
Acq: 20 Nov 2018 21:23

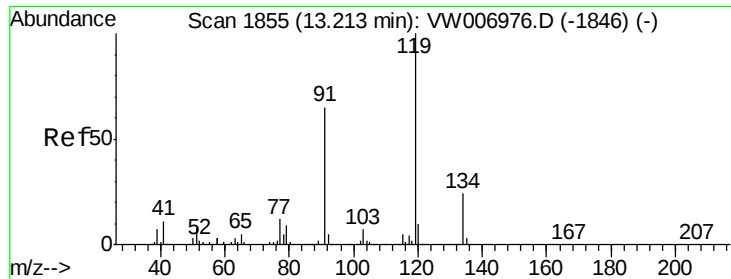
Tgt Ion: 91 Resp: 25560

Ion Ratio Lower Upper

91 100

126 3.7 16.6 49.7#

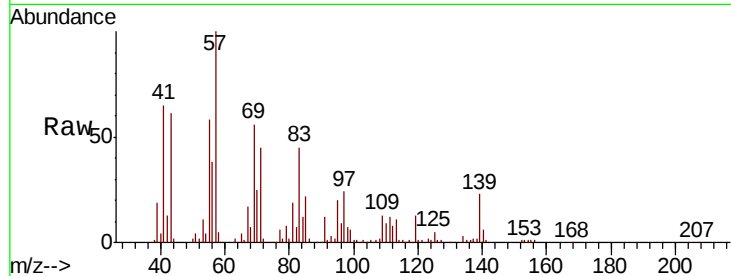




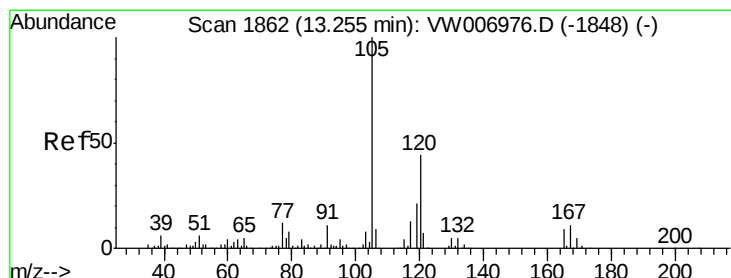
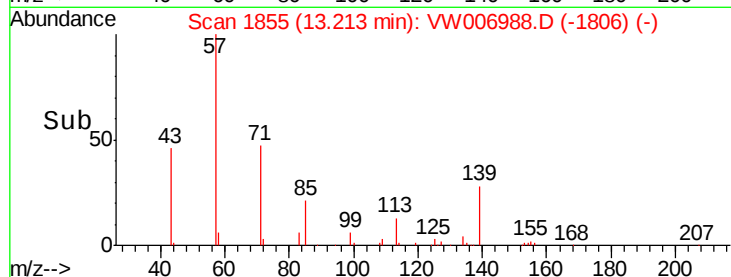
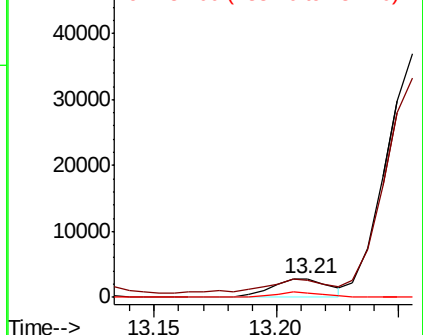
#83
tert-Butylbenzene
Concen: 1.938 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW006988.D
Acq: 20 Nov 2018 21:23

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:119 Resp: 4667
Ion Ratio Lower Upper
119 100
91 77.2 33.5 100.5
134 24.4 12.6 37.8

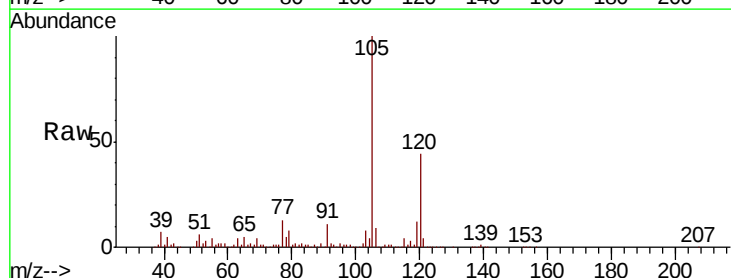


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

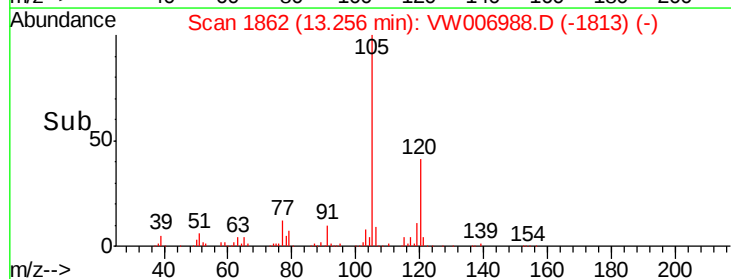
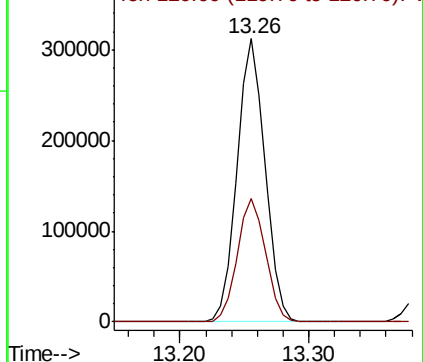


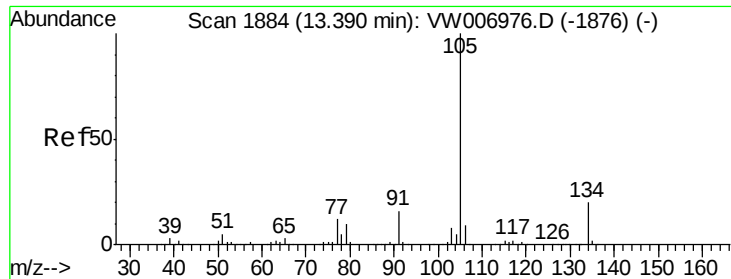
#84
1,2,4-Trimethylbenzene
Concen: 168.604 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW006988.D
Acq: 20 Nov 2018 21:23

Tgt Ion:105 Resp: 467299
Ion Ratio Lower Upper
105 100
120 44.2 21.8 65.3



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

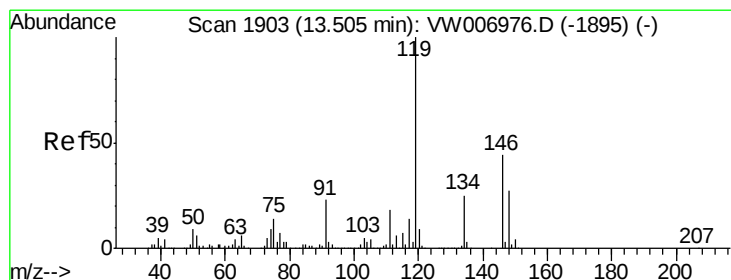
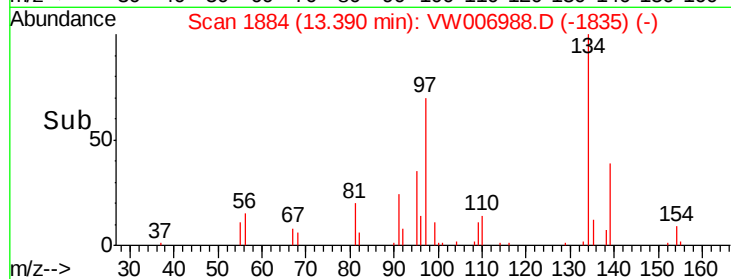
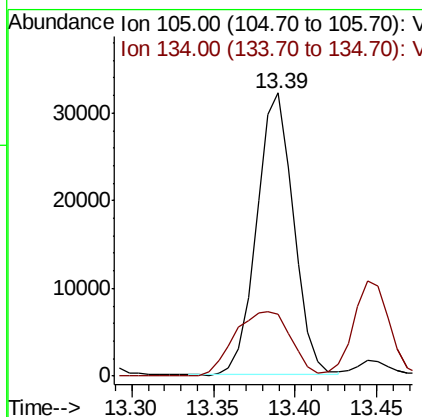
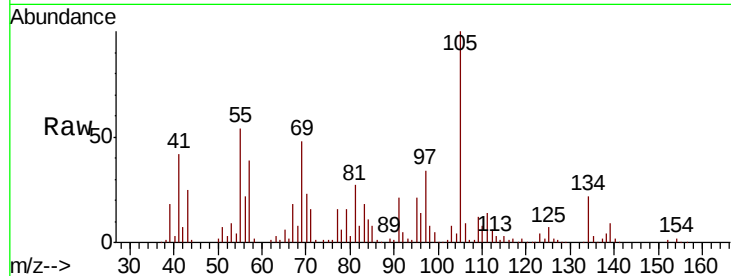




#85
 sec-Butylbenzene
 Concen: 14.730 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW006988.D
 Acq: 20 Nov 2018 21:23

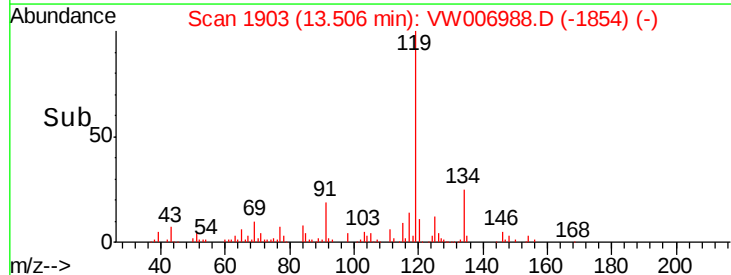
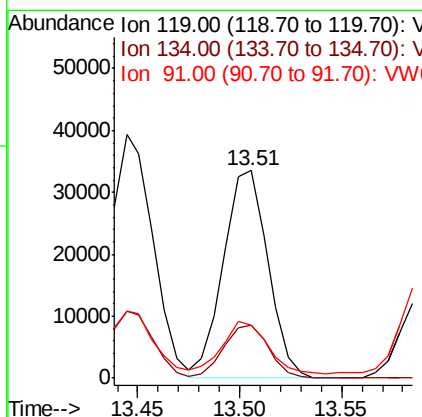
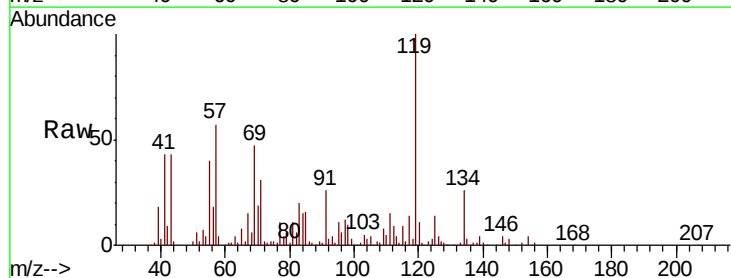
Instrument :
 MSVOA_W
 ClientSampleId :

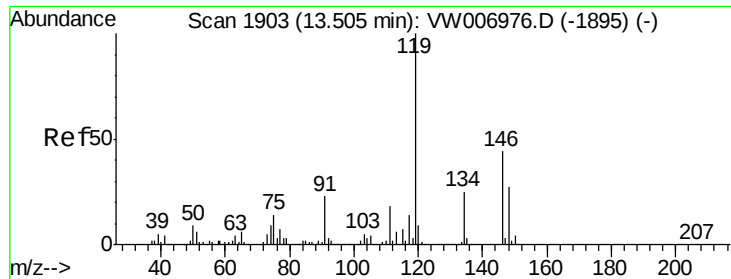
Tot Ion:105 Resp: 50120
 Ion Ratio Lower Upper
 105 100
 134 35.5 9.8 29.3#



#86
 p-Isopropyltoluene
 Concen: 16.891 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006988.D
 Acq: 20 Nov 2018 21:23

Tgt Ion:119 Resp: 50702
 Ion Ratio Lower Upper
 119 100
 134 25.9 12.8 38.3
 91 25.8 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 1.623 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW006988.D

Acq: 20 Nov 2018 21:23

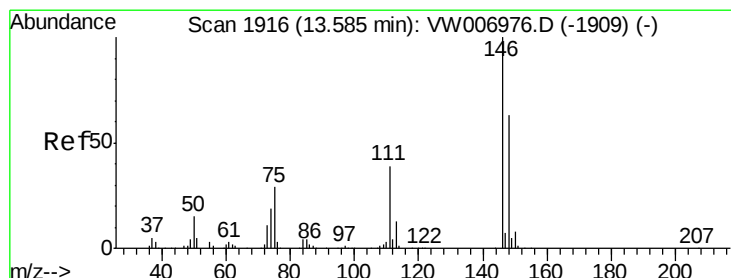
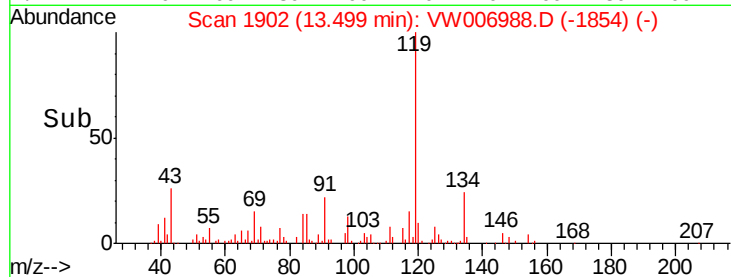
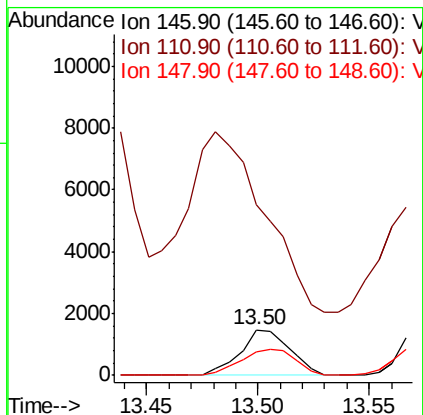
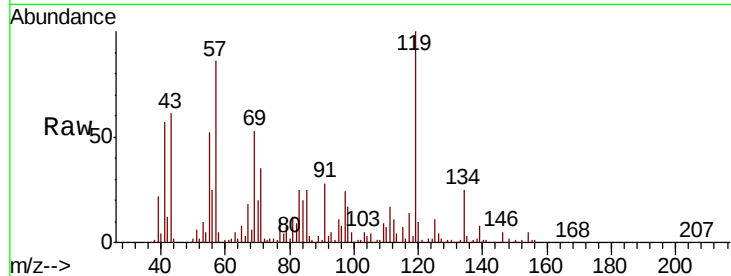
Instrument :

MSVOA_W

ClientSampled :

Tot Ion:146 Resp: 2290

Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.1	63.3#
148	62.8	31.6	94.8



#88

1,4-Dichlorobenzene

Concen: 4.322 ug/l

RT: 13.58 min Scan# 1915

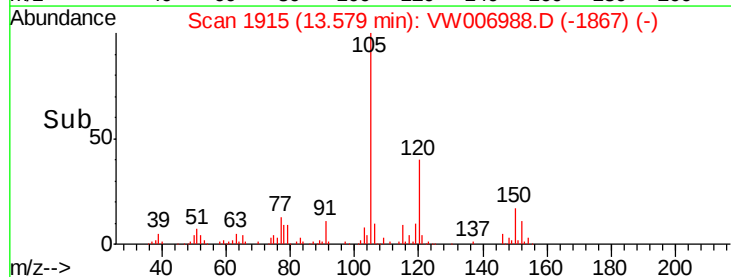
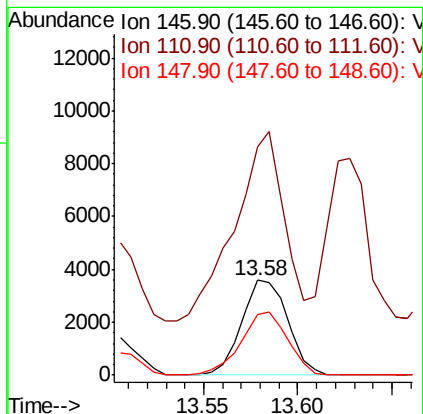
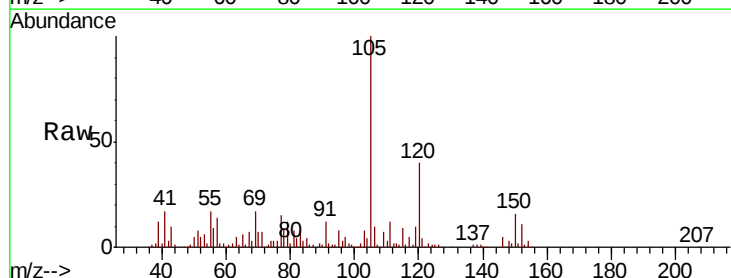
Delta R.T. -0.01 min

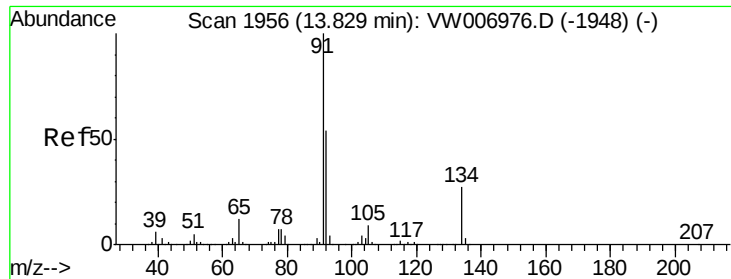
Lab File: VW006988.D

Acq: 20 Nov 2018 21:23

Tgt Ion:146 Resp: 6078

Ion	Ratio	Lower	Upper
146	100		
111	214.6	20.6	61.8#
148	67.3	32.3	96.8





#89

n-Butylbenzene

Concen: 12.644 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006988.D

Acq: 20 Nov 2018 21:23

Instrument :

MSVOA_W

ClientSampled :

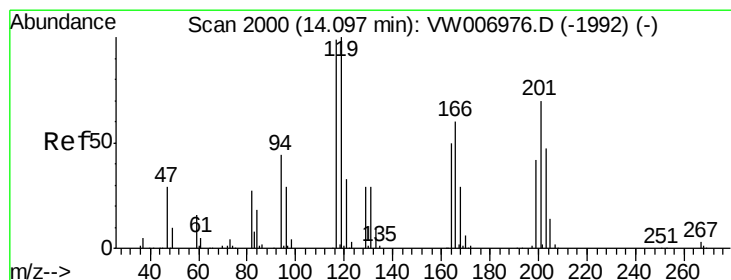
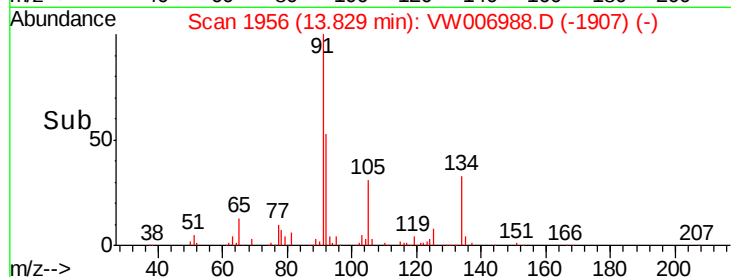
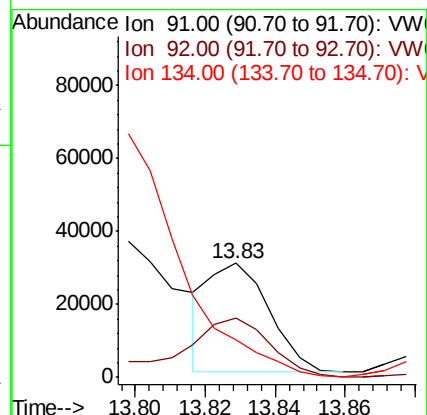
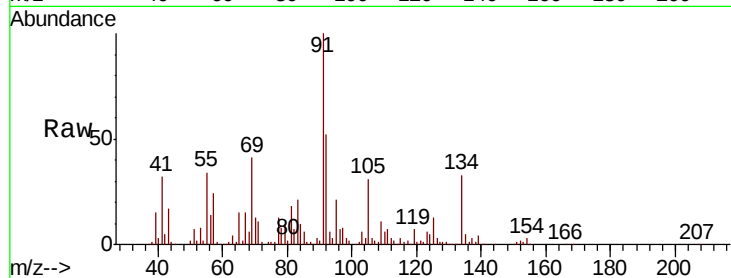
Tot Ion: 91 Resp: 35718

Ion Ratio Lower Upper

91 100

92 84.8 26.8 80.4#

134 0.0 13.3 39.8#



#90

Hexachloroethane

Concen: 53.026 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW006988.D

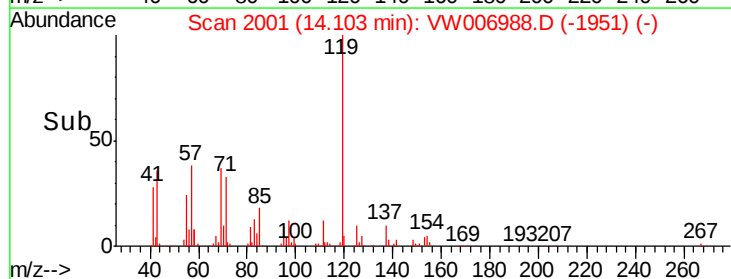
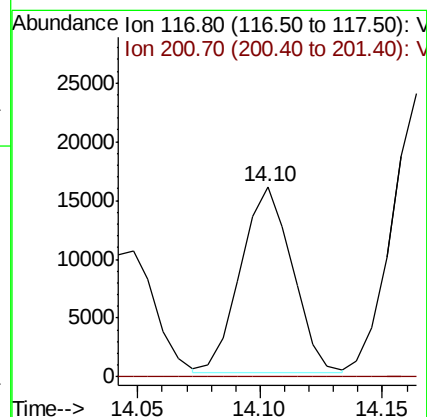
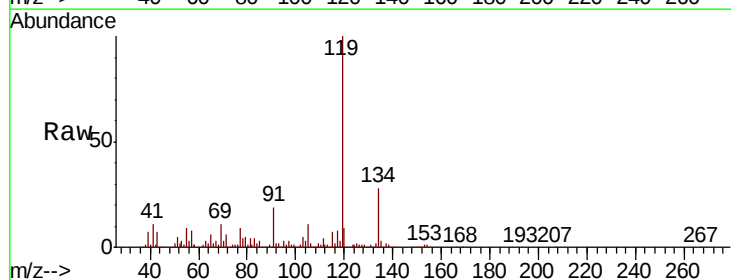
Acq: 20 Nov 2018 21:23

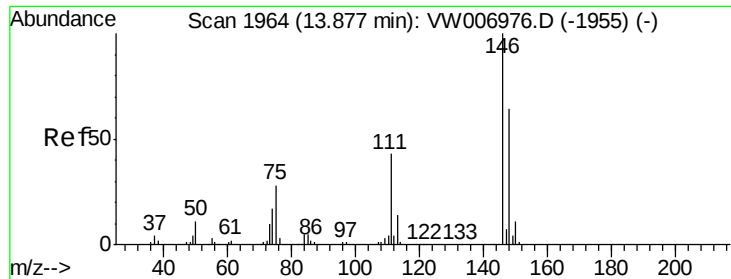
Tgt Ion: 117 Resp: 23238

Ion Ratio Lower Upper

117 100

201 0.0 35.9 107.5#

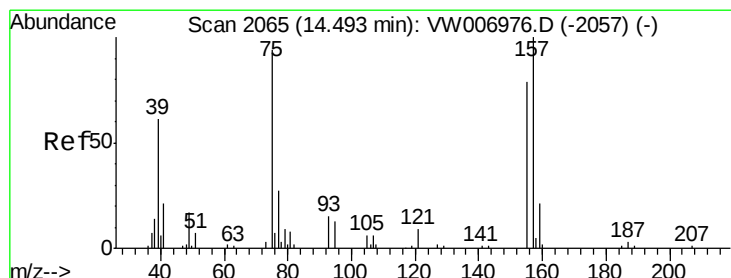
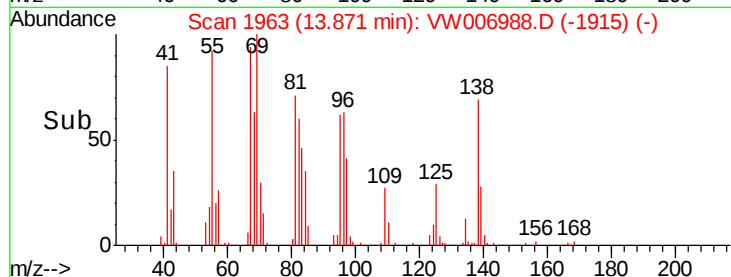
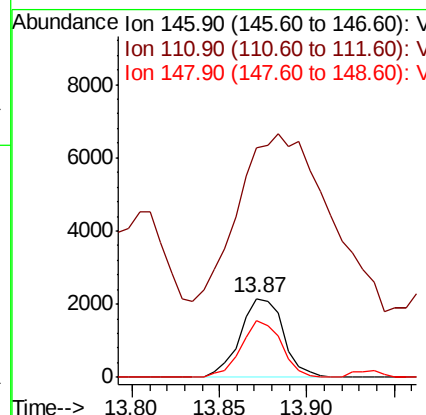
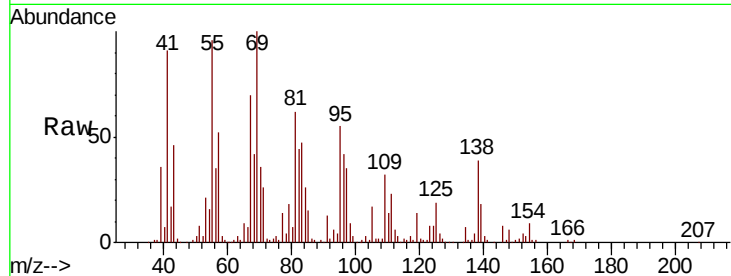




#91
 1,2-Dichlorobenzene
 Concen: 3.000 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.01 min
 Lab File: VW006988.D
 Acq: 20 Nov 2018 21:23

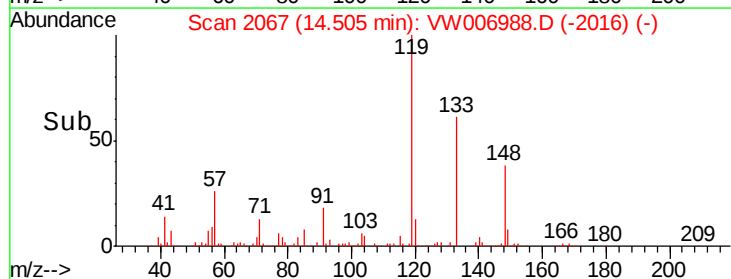
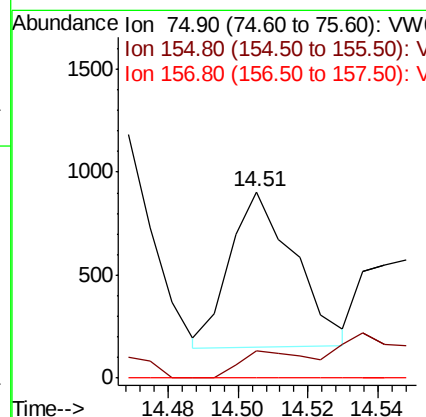
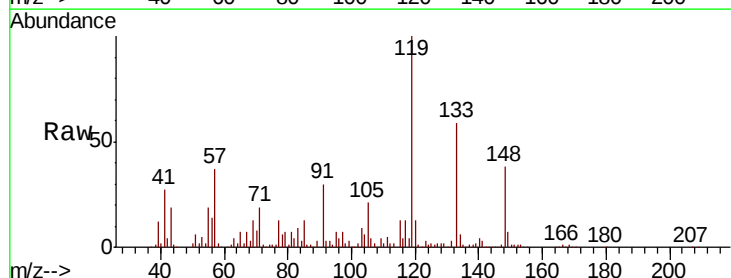
Instrument :
 MSVOA_W
 ClientSampleId :

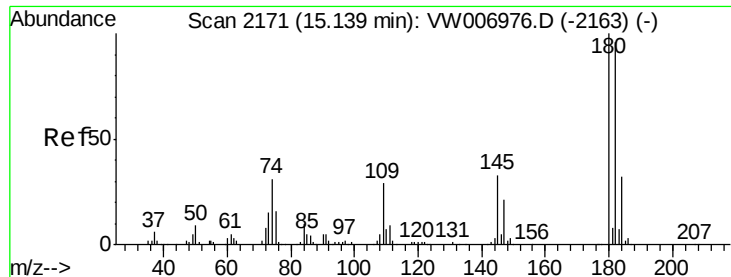
Tot Ion:146 Resp: 3708
 Ion Ratio Lower Upper
 146 100
 111 492.6 21.9 65.7#
 148 67.0 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 13.443 ug/l
 RT: 14.51 min Scan# 2067
 Delta R.T. 0.01 min
 Lab File: VW006988.D
 Acq: 20 Nov 2018 21:23

Tgt Ion: 75 Resp: 972
 Ion Ratio Lower Upper
 75 100
 155 19.4 42.6 127.8#
 157 0.0 55.0 165.0#

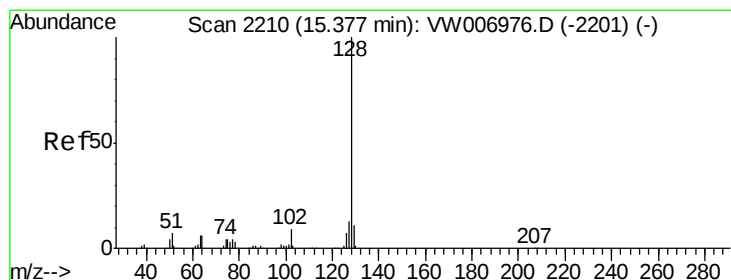
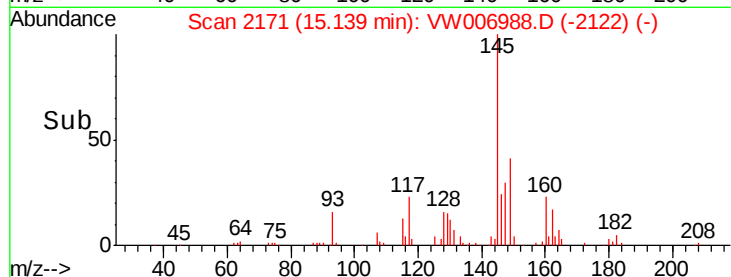
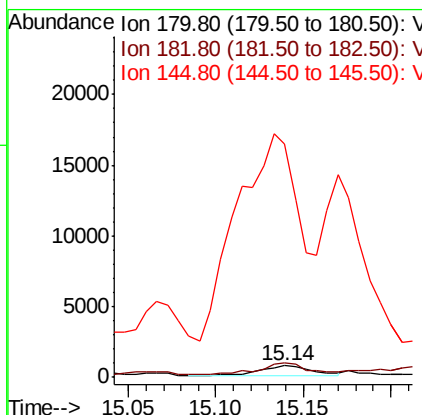
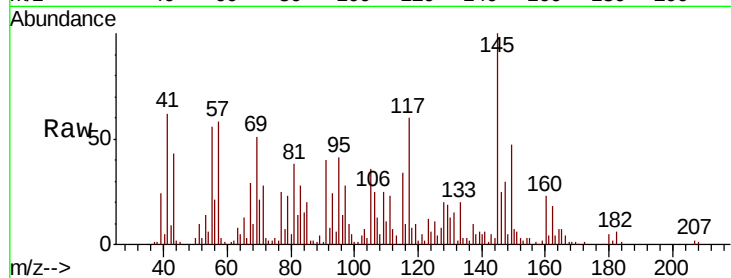




#93
 1,2,4-Trichlorobenzene
 Concen: 1.739 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW006988.D
 Acq: 20 Nov 2018 21:23

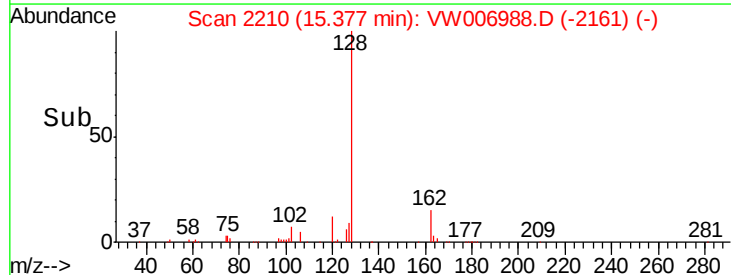
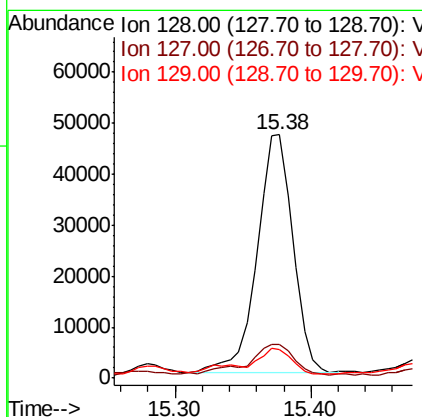
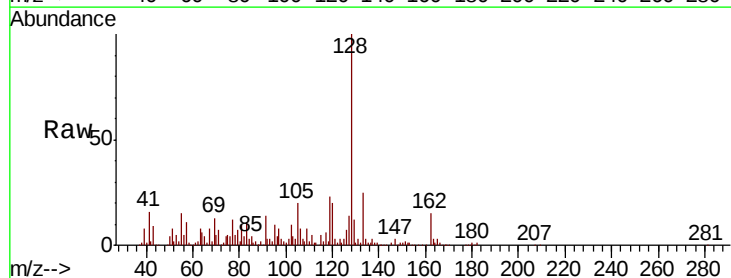
Instrument :
 MSVOA_W
 ClientSampleId :

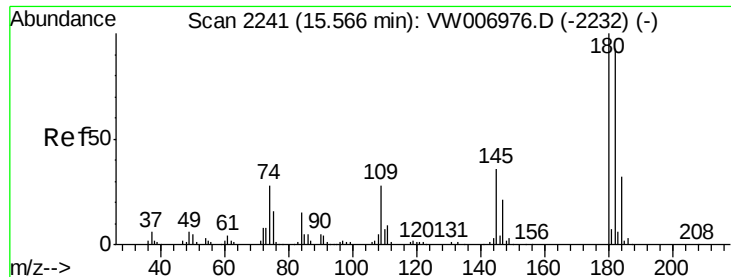
Tot Ion:180 Resp: 1417
 Ion Ratio Lower Upper
 180 100
 182 113.3 47.1 141.3
 145 3283.5 16.5 49.5#



#95
 Naphthalene
 Concen: 58.462 ug/l
 RT: 15.38 min Scan# 2210
 Delta R.T. 0.00 min
 Lab File: VW006988.D
 Acq: 20 Nov 2018 21:23

Tgt Ion:128 Resp: 86492
 Ion Ratio Lower Upper
 128 100
 127 16.4 10.5 15.7#
 129 9.0 8.7 13.1

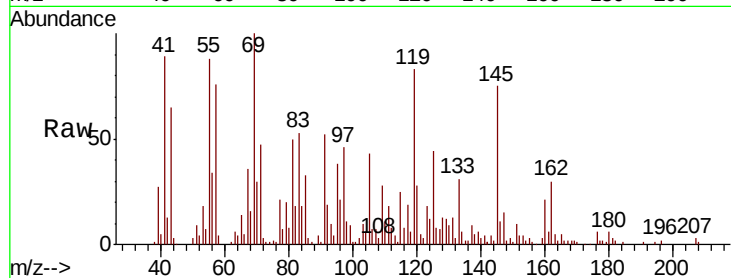




#96
 1,2,3-Trichlorobenzene
 Concen: 1.291 ug/l
 RT: 15.58 min Scan# 2243
 Delta R.T. 0.01 min
 Lab File: VW006988.D
 Acq: 20 Nov 2018 21:23

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180 Resp: 873
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.0 141.2#
 145 0.0 18.0 54.0#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

