

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122218\
 Data File : VW007751.D
 Acq On : 20 Dec 2018 17:07
 Operator : SY/AP
 Sample : J6392-11
 Misc : 6.81G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 21 03:52:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	8.02	168	12689	50.00	ug/l	0.08
34) 1,4-Difluorobenzene	8.93	114	81799	50.00	ug/l	0.09
63) Chlorobenzene-d5	11.85	117	2943	50.00	ug/l	0.21
72) 1,4-Dichlorobenzene-d4	13.57	152	8641	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.60	65	519495	3735.30	ug/l	0.29
Spiked Amount	50.000		Recovery	=	7470.60%	
35) Dibromofluoromethane	7.95	113	20621	41.32	ug/l	0.07
Spiked Amount	50.000		Recovery	=	82.64%	
50) Toluene-d8	10.40	98	497221	264.31	ug/l	0.07
Spiked Amount	50.000		Recovery	=	528.62%	
62) 4-Bromofluorobenzene	12.63	95	121618	167.34	ug/l	0.01
Spiked Amount	50.000		Recovery	=	334.68%	

Target Compounds

						Qvalue
3) Chloromethane	2.16	50	13662	197.234	ug/l #	43
6) Chloroethane	3.01	64	100	2.120	ug/l #	42
11) Tert butyl alcohol	5.22	59	241	25.688	ug/l #	73
13) Acrolein	3.85	56	4636	618.023	ug/l #	1
14) Allyl chloride	4.98	41	3044826	18546.491	ug/l #	15
15) Acrylonitrile	5.46	53	415880	17339.249	ug/l #	38
16) Acetone	4.12	43	232574	8930.205	ug/l #	58
18) Methyl Acetate	4.98	43	6357863	102650.142	ug/l #	46
19) Methyl tert-butyl Ether	5.43	73	43466	241.841	ug/l #	1
20) Methylene Chloride	5.07	84	176906	1547.091	ug/l #	6
24) 1,1-Dichloroethane	6.27	63	9364	41.407	ug/l #	81
26) 2,2-Dichloropropane	7.04	77	118498	716.061	ug/l #	53
28) Bromochloromethane	7.54	49	491	6.368	ug/l #	1
29) Tetrahydrofuran	7.79	42	188642	10367.503	ug/l #	1
30) Chloroform	7.66	83	296829	1159.813	ug/l #	18
31) Cyclohexane	8.12	56	21049624	101672.922	ug/l #	28
32) 1,1,1-Trichloroethane	7.94	97	379	1.626	ug/l #	25
36) 1,1-Dichloropropene	8.04	75	4653	5.894	ug/l #	41
37) Ethyl Acetate	7.56	43	36429	133.699	ug/l #	48
38) Carbon Tetrachloride	8.02	117	1729	1.860	ug/l #	11
39) Methylcyclohexane	9.42	83	20825701	21228.027	ug/l #	76
40) Benzene	8.43	78	7051175	3346.884	ug/l	99
41) Methacrylonitrile	7.79	41	1329169	8592.164	ug/l #	20
42) 1,2-Dichloroethane	8.42	62	28167	39.895	ug/l #	77
43) Isopropyl Acetate	8.54	43	23206659	42512.344	ug/l #	49
45) 1,2-Dichloropropane	9.41	63	318260	680.807	ug/l #	1
46) Dibromomethane	9.45	93	119169	414.120	ug/l #	1
48) Methyl methacrylate	9.44	41	36389084	133548.476	ug/l #	45
49) 1,4-Dioxane	9.54	88	152	33.316	ug/l #	26
51) 4-Methyl-2-Pentanone	10.39	43	1048995	4066.157	ug/l #	76
53) t-1,3-Dichloropropene	10.82	75	37193	49.427	ug/l #	1
55) 1,1,2-Trichloroethane	10.85	97	11769811	29668.580	ug/l #	23
56) Ethyl methacrylate	10.66	69	8765592	18701.318	ug/l #	26
57) 1,3-Dichloropropane	11.05	76	2568	3.898	ug/l #	42

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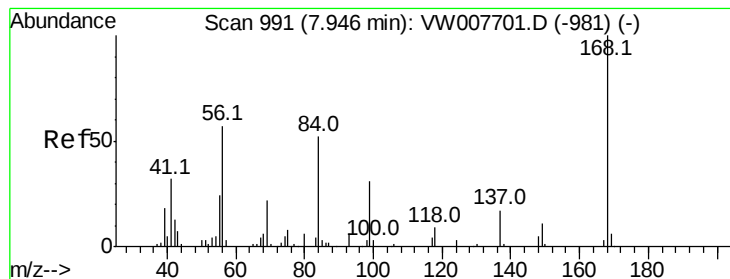
Instrument :
 MSVOA_W
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

58) 2-Chloroethyl Vinyl ether	9.96	63	394153	1841.817	ug/l #	42
59) 2-Hexanone	10.90	43	7947701	43805.677	ug/l #	29
60) Dibromochloromethane	11.01	129	19784	37.664	ug/l #	47
61) 1,2-Dibromoethane	11.32	107	51792	128.921	ug/l #	1
64) Tetrachloroethene	10.95	164	274	13.148	ug/l #	1
65) Chlorobenzene	11.54	112	831919	13060.146	ug/l #	72
66) 1,1,1,2-Tetrachloroethane	11.91	131	5111	224.553	ug/l #	6
68) m/p-Xylenes	11.89	106	62106622	1464712.816	ug/l #	1
69) o-Xylene	12.23	106	33019617	830758.426	ug/l #	1
70) Styrene	12.22	104	889447	13613.616	ug/l #	1
73) Isopropylbenzene	12.49	105	20117387	30799.935	ug/l	90
74) N-amyl acetate	12.28	43	1361425	12033.374	ug/l #	48
75) 1,1,2,2-Tetrachloroethane	12.69	83	139632	1425.816	ug/l #	87
76) 1,2,3-Trichloropropane	12.83	75	259793	3889.883	ug/l #	100
77) Bromobenzene	12.74	156	2687	17.951	ug/l #	1
78) n-propylbenzene	12.89	91	4794251	6305.537	ug/l #	1
79) 2-Chlorotoluene	12.89	91	4218136	9523.358	ug/l #	41
80) 1,3,5-Trimethylbenzene	13.12	105	19205050	34087.751	ug/l	88
81) trans-1,4-Dichloro-2-buten	12.49	75	305161	9591.038	ug/l #	63
82) 4-Chlorotoluene	12.97	91	2474792	5247.526	ug/l #	42
83) tert-Butylbenzene	13.27	119	6502266	13153.416	ug/l #	76
84) 1,2,4-Trimethylbenzene	13.12	105	19205050	33781.833	ug/l	92
85) sec-Butylbenzene	13.40	105	1764450	2589.864	ug/l #	47
86) p-Isopropyltoluene	13.51	119	13274802	21428.008	ug/l	97
89) n-Butylbenzene	13.83	91	1960171	3450.938	ug/l #	78
90) Hexachloroethane	14.10	117	425577	3912.948	ug/l #	13
91) 1,2-Dichlorobenzene	13.91	146	402	1.511	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	14.50	75	2630	130.771	ug/l #	6
95) Naphthalene	15.37	128	1169436	3424.392	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.02 min Scan# 1004

Delta R.T. 0.08 min

Lab File: VW007751.D

Acq: 20 Dec 2018 17:07

Instrument :

MSVOA_W

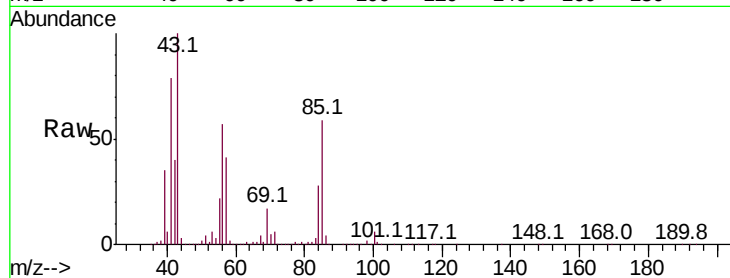
ClientSampleId :

Tot Ion:168 Resp: 12689

Ion Ratio Lower Upper

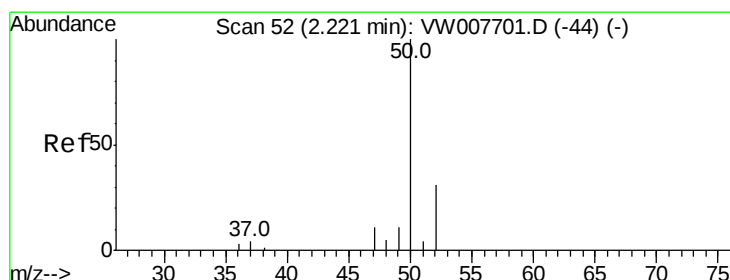
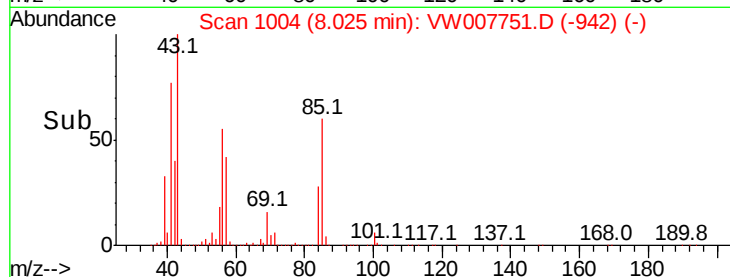
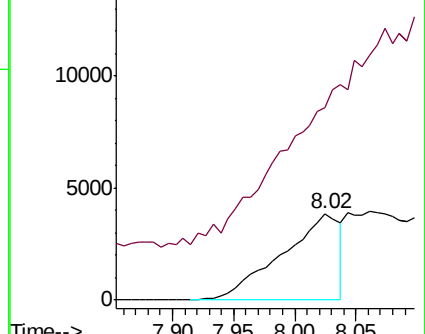
168 100

99 157.9 54.0 81.0#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#3

Chloromethane

Concen: 197.234 ug/l

RT: 2.16 min Scan# 42

Delta R.T. -0.06 min

Lab File: VW007751.D

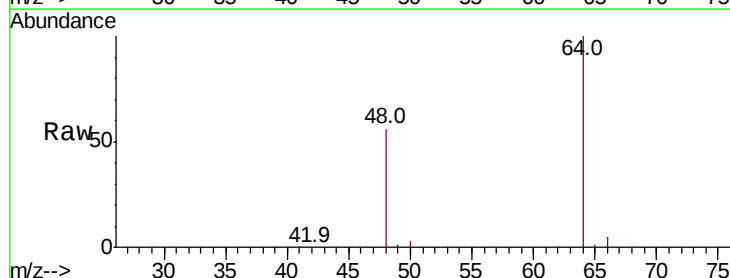
Acq: 20 Dec 2018 17:07

Tgt Ion: 50 Resp: 13662

Ion Ratio Lower Upper

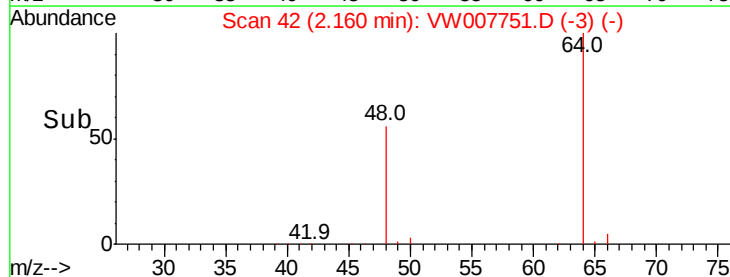
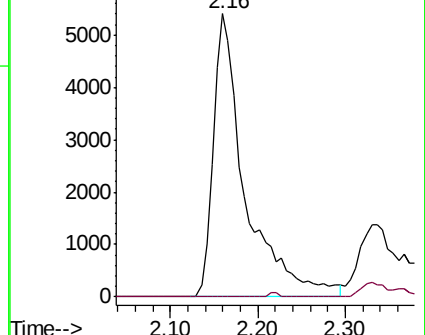
50 100

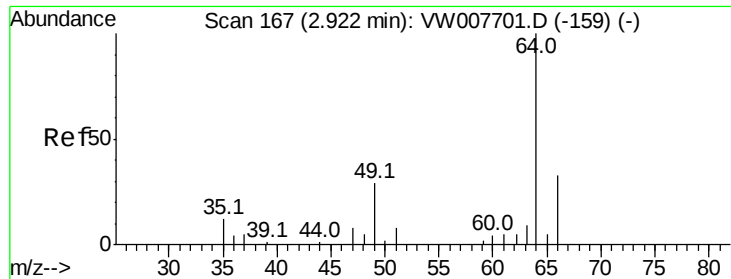
52 0.0 25.1 37.7#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW





#6

Chloroethane

Concen: 2.120 ug/l

RT: 3.01 min Scan# 182

Delta R.T. 0.09 min

Lab File: VW007751.D

Acq: 20 Dec 2018 17:07

Instrument :

MSVOA_W

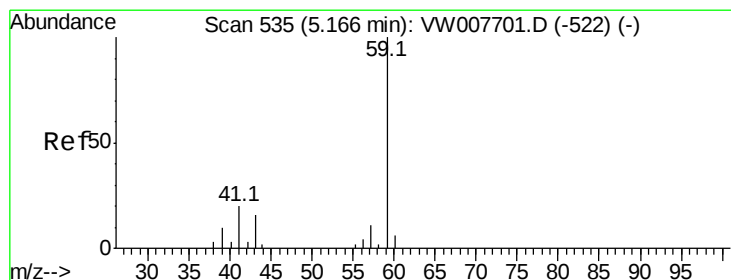
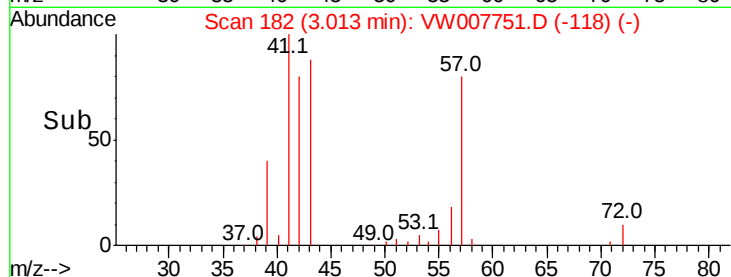
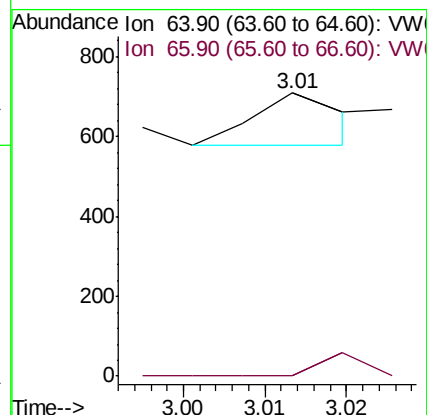
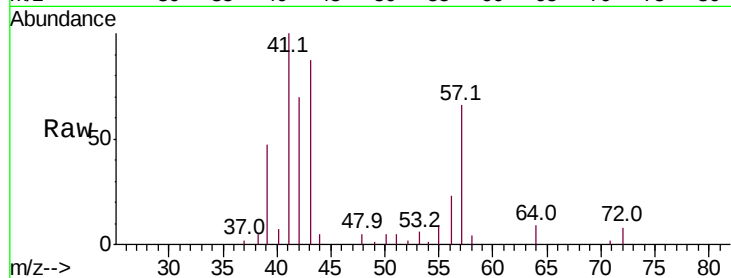
ClientSampleId :

Tot Ion: 64 Resp: 100

Ion Ratio Lower Upper

64 100

66 0.0 26.2 39.4#



#11

Tert butyl alcohol

Concen: 25.688 ug/l

RT: 5.22 min Scan# 544

Delta R.T. 0.05 min

Lab File: VW007751.D

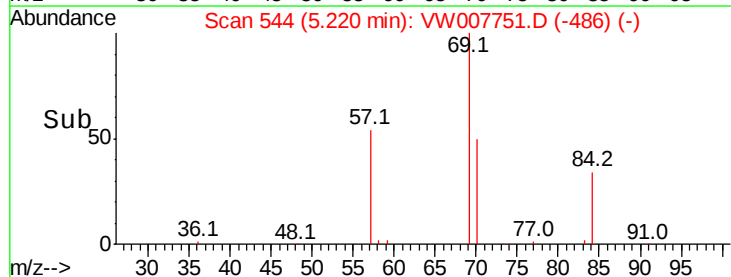
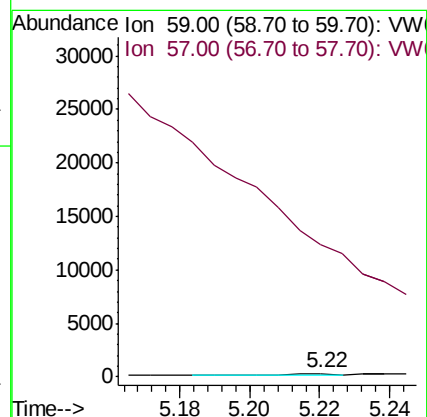
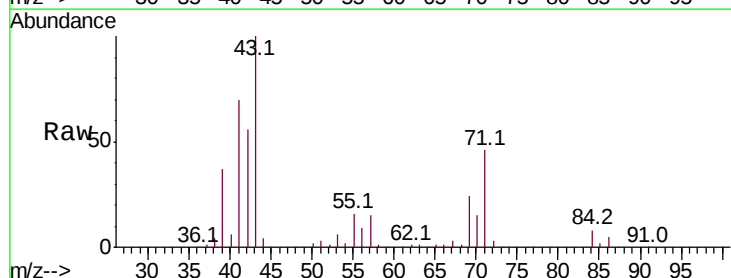
Acq: 20 Dec 2018 17:07

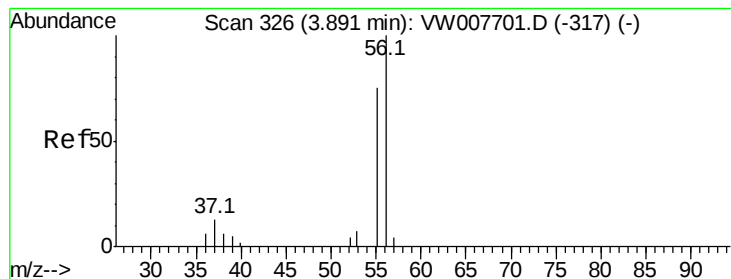
Tgt Ion: 59 Resp: 241

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#





#13

Acrolein

Concen: 618.023 ug/l

RT: 3.85 min Scan# 320

Delta R.T. -0.04 min

Lab File: VW007751.D

Acq: 20 Dec 2018 17:07

Instrument :

MSVOA_W

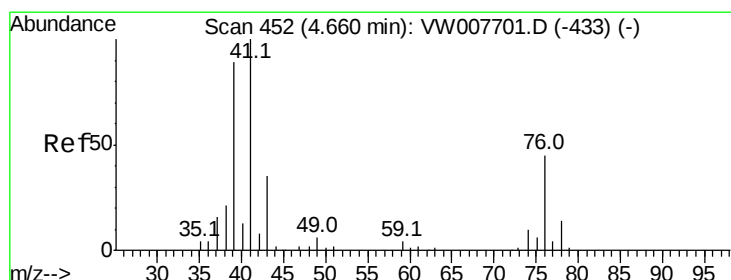
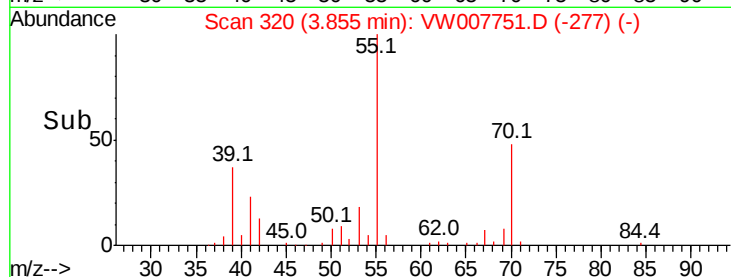
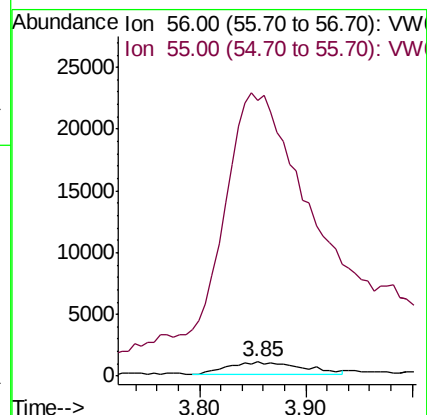
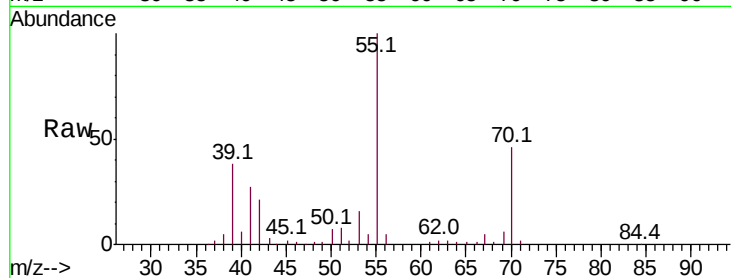
ClientSampled :

Tot Ion: 56 Resp: 4636

Ion Ratio Lower Upper

56 100

55 2334.9 57.7 86.5#



#14

Allyl chloride

Concen: 18546.491 ug/l

RT: 4.98 min Scan# 504

Delta R.T. 0.32 min

Lab File: VW007751.D

Acq: 20 Dec 2018 17:07

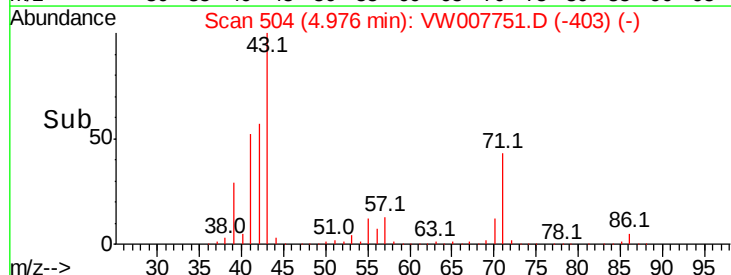
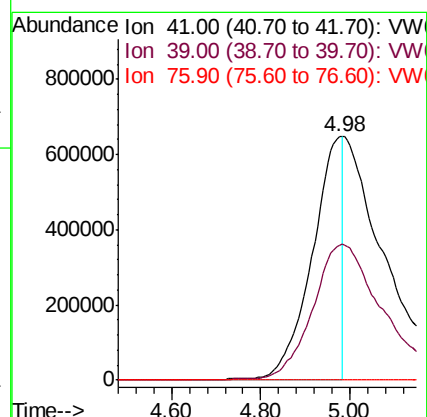
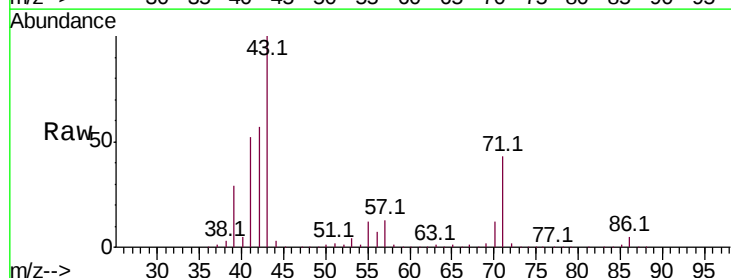
Tgt Ion: 41 Resp: 3044826

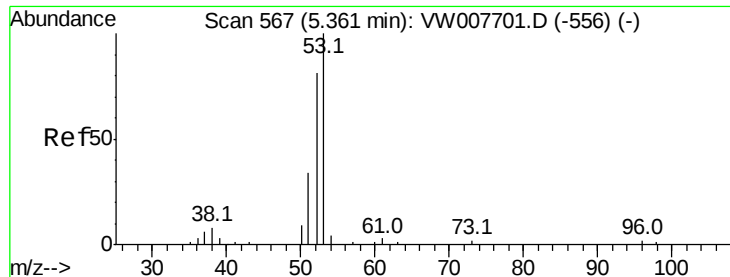
Ion Ratio Lower Upper

41 100

39 0.0 69.5 104.3#

76 0.0 34.8 52.2#





#15

Acrylonitrile

Concen: 17339.249 ug/l

RT: 5.46 min Scan# 583

Delta R.T. 0.10 min

Lab File: VW007751.D

Acq: 20 Dec 2018 17:07

Instrument :

MSVOA_W

ClientSampled :

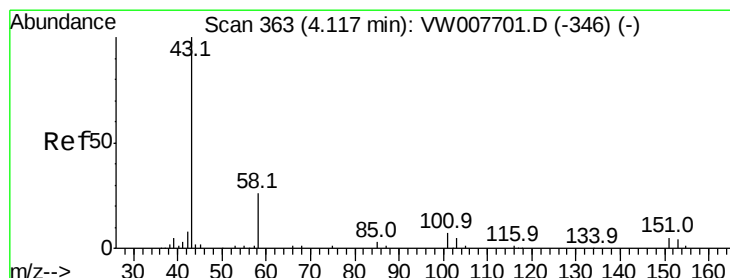
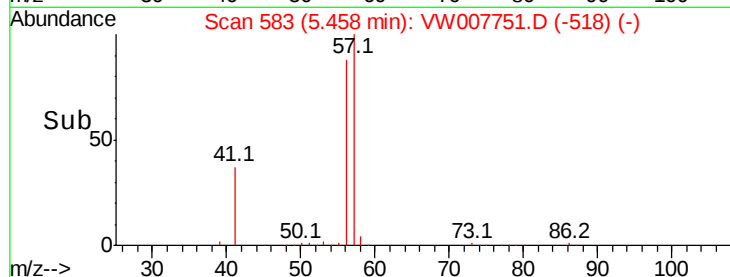
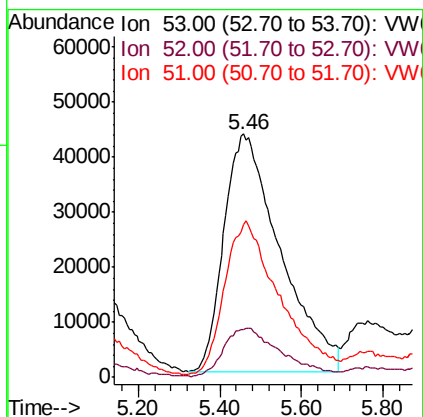
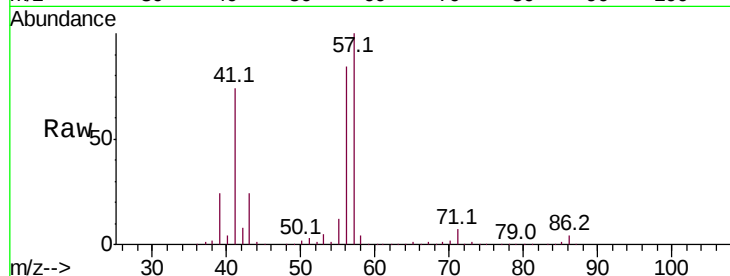
Tot Ion: 53 Resp: 415880

Ion Ratio Lower Upper

53 100

52 20.0 67.0 100.4#

51 62.8 30.2 45.2#



#16

Acetone

Concen: 8930.205 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007751.D

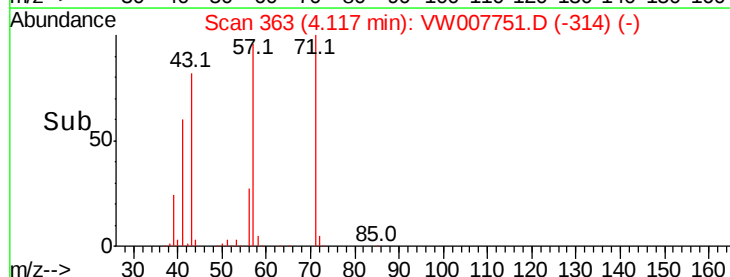
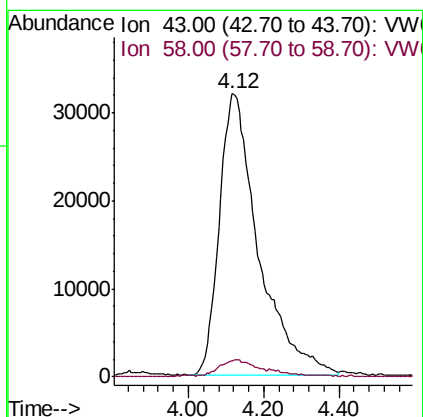
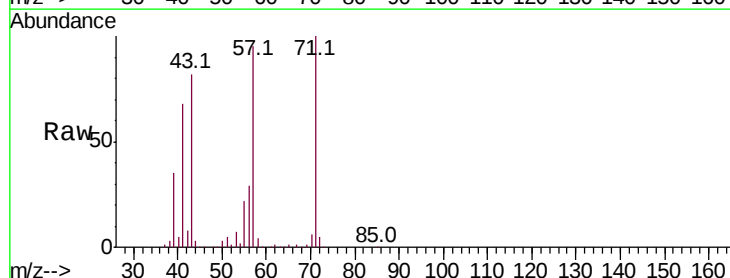
Acq: 20 Dec 2018 17:07

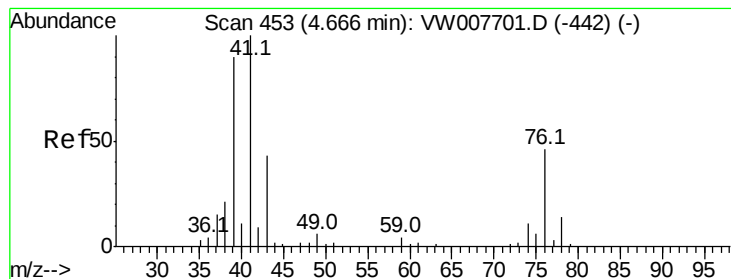
Tgt Ion: 43 Resp: 232574

Ion Ratio Lower Upper

43 100

58 5.1 21.2 31.8#





#18

Methyl Acetate

Concen: 102650.142 ug/l

RT: 4.98 min Scan# 504

Delta R.T. 0.31 min

Lab File: VW007751.D

Acq: 20 Dec 2018 17:07

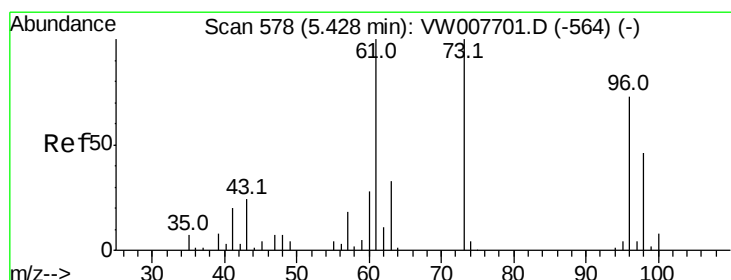
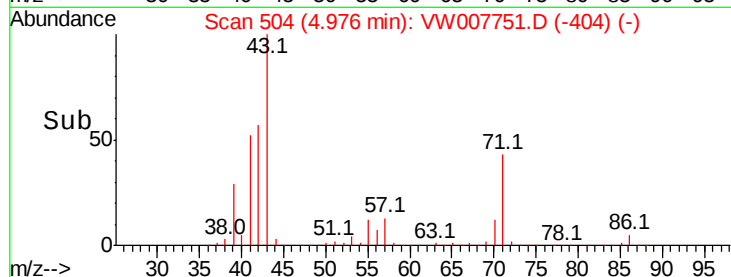
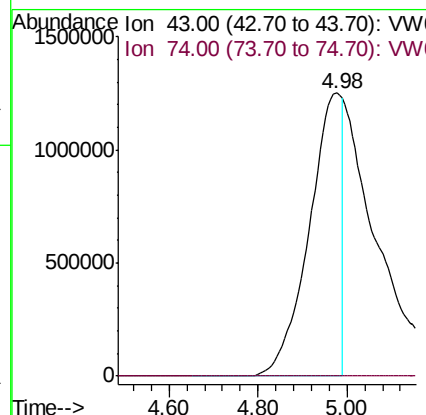
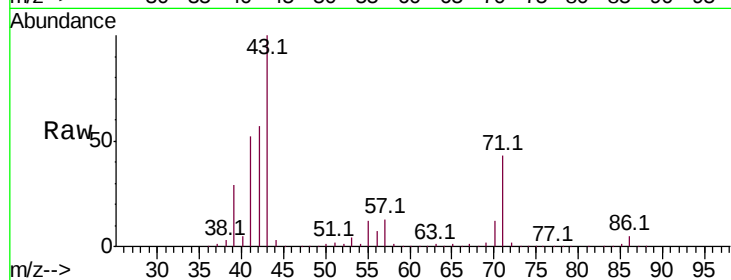
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 6357863

Ion Ratio Lower Upper

43 100

74 0.0 22.7 34.1#



#19

Methyl tert-butyl Ether

Concen: 241.841 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW007751.D

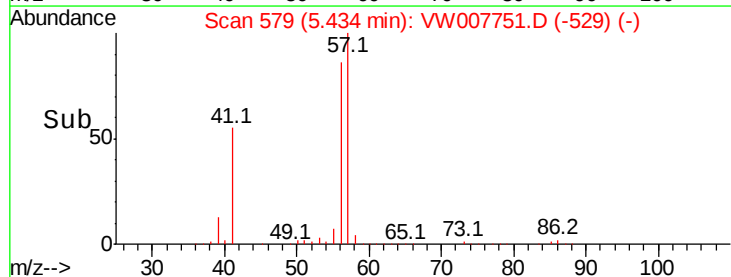
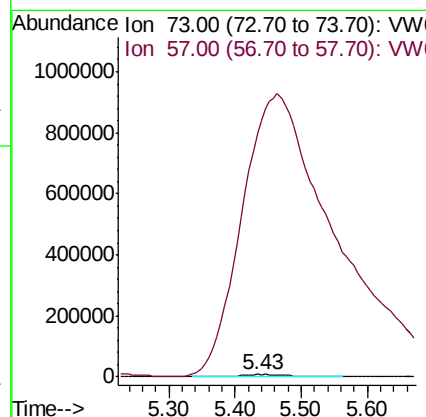
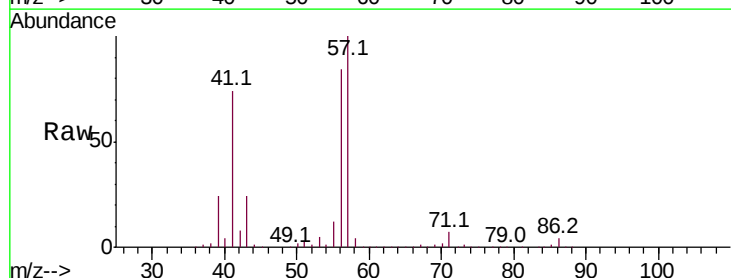
Acq: 20 Dec 2018 17:07

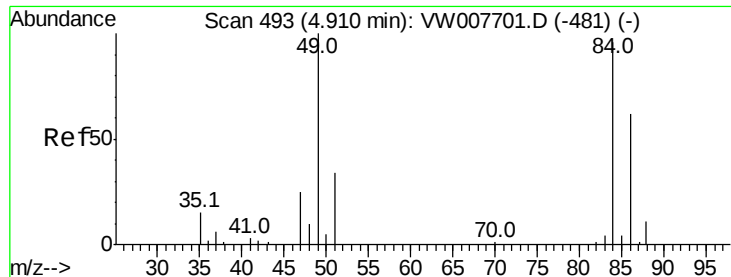
Tgt Ion: 73 Resp: 43466

Ion Ratio Lower Upper

73 100

57 9564.0 14.7 22.1#





#20

Methvlene Chloride

Concen: 1547.091 ug/l

RT: 5.07 min Scan# 519

Delta R.T. 0.16 min

Lab File: VW007751.D

Acq: 20 Dec 2018 17:07

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 84 Resp: 176906

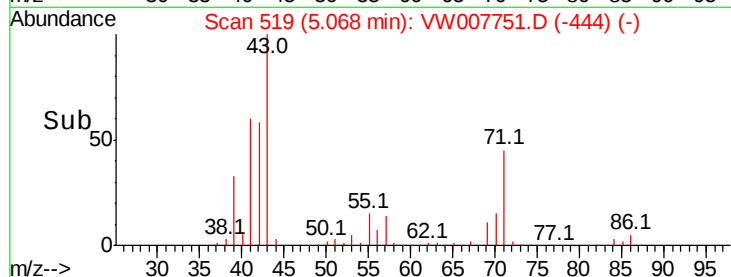
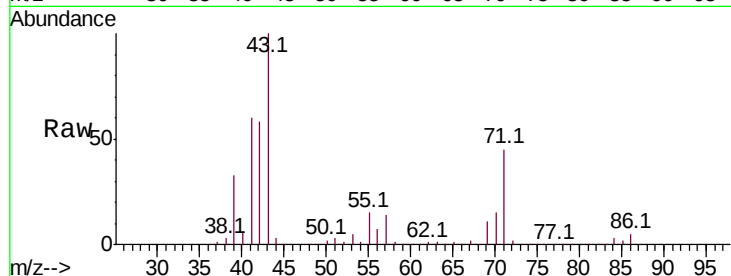
Ion Ratio Lower Upper

84 100

49 6.3 83.7 125.5#

51 76.8 28.2 42.2#

86 146.4 52.2 78.2#

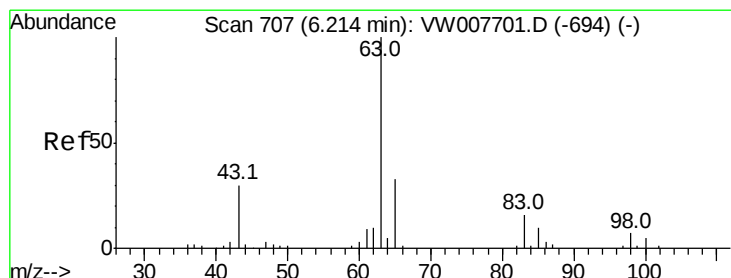
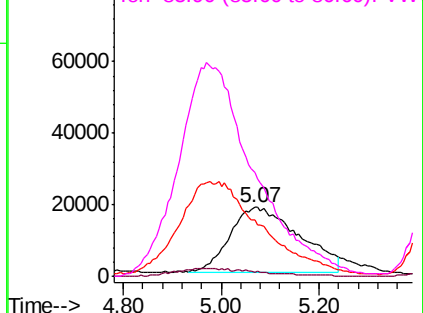


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#24

1,1-Dichloroethane

Concen: 41.407 ug/l

RT: 6.27 min Scan# 717

Delta R.T. 0.06 min

Lab File: VW007751.D

Acq: 20 Dec 2018 17:07

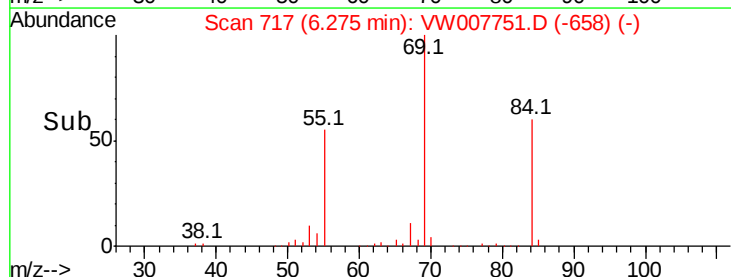
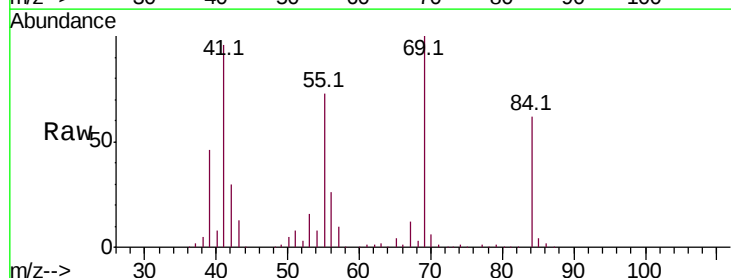
Tgt Ion: 63 Resp: 9364

Ion Ratio Lower Upper

63 100

98 0.0 3.6 10.9#

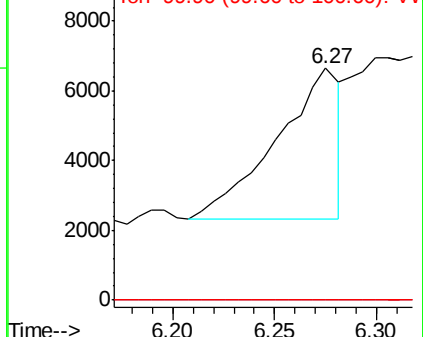
100 0.0 2.5 7.5#

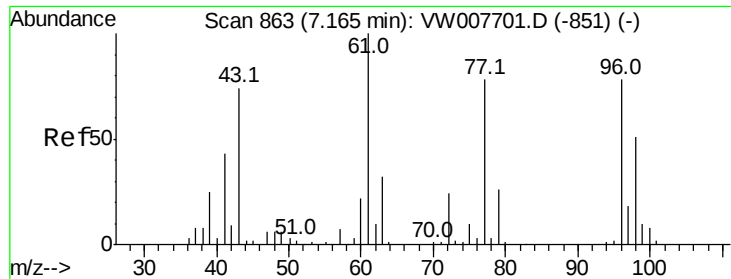


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#26

2,2-Dichloropropane

Concen: 716.061 ug/l

RT: 7.04 min Scan# 843

Delta R.T. -0.12 min

Lab File: VW007751.D

Acq: 20 Dec 2018 17:07

Instrument :

MSVOA_W

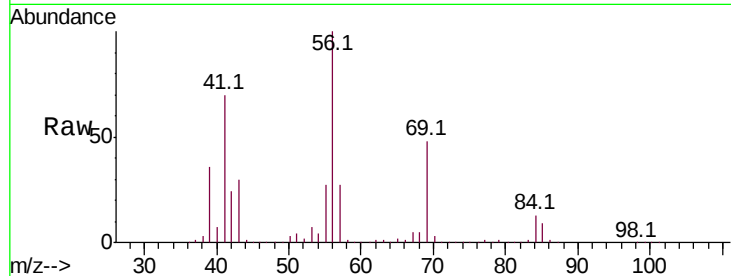
ClientSampled :

Tot Ion: 77 Resp: 118498

Ion Ratio Lower Upper

77 100

97 0.0 11.3 33.9#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.04

15000

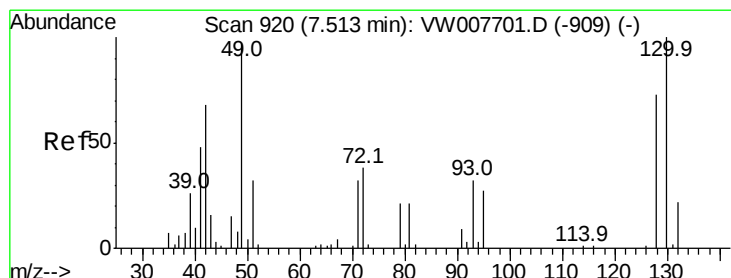
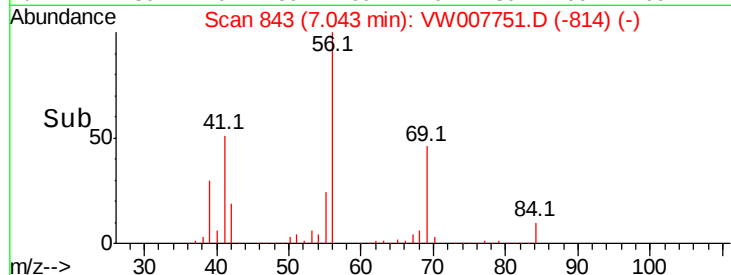
10000

5000

0

Time-->

6.80 7.00 7.20 7.40



#28

Bromochloromethane

Concen: 6.368 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.03 min

Lab File: VW007751.D

Acq: 20 Dec 2018 17:07

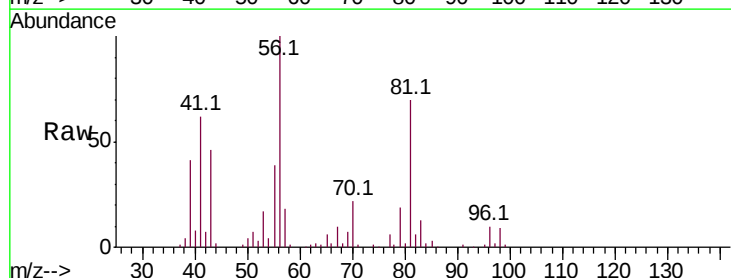
Tgt Ion: 49 Resp: 491

Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.2

130 0.0 81.5 122.3#



Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

250

200

150

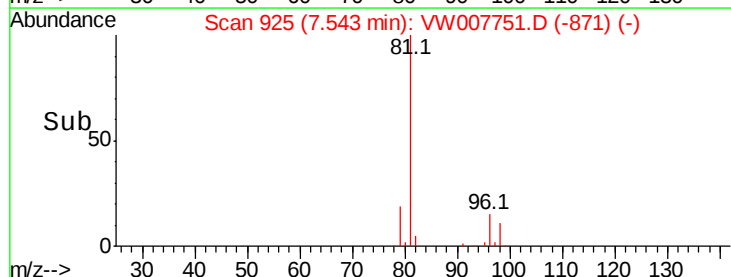
100

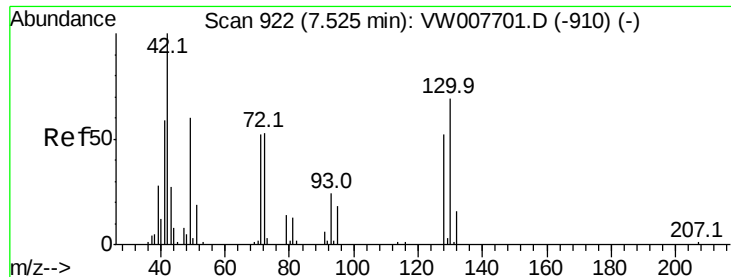
50

0

Time-->

7.45 7.50 7.55





#29

Tetrahydrofuran

Concen: 10367.503 ug/l

RT: 7.79 min Scan# 965

Delta R.T. 0.26 min

Lab File: VW007751.D

Acq: 20 Dec 2018 17:07

Instrument :

MSVOA_W

ClientSampled :

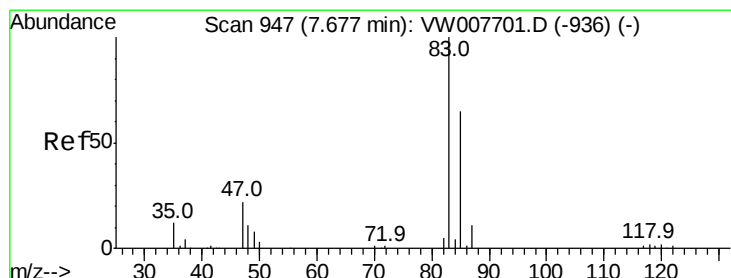
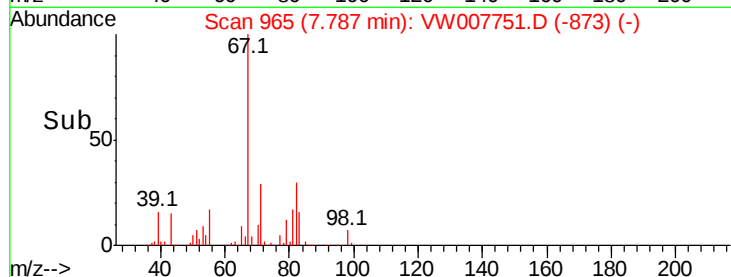
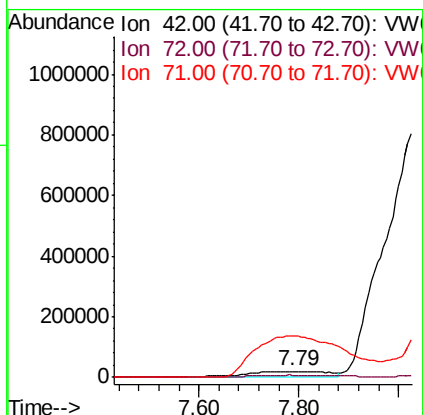
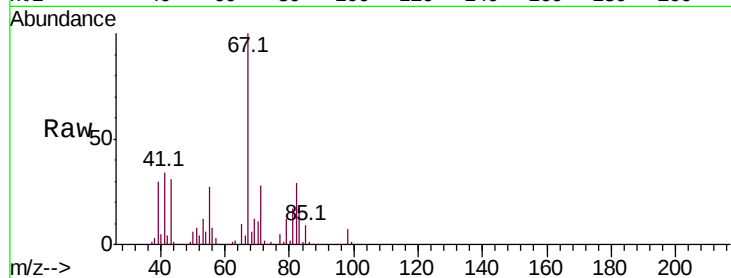
Tot Ion: 42 Resp: 188642

Ion Ratio Lower Upper

42 100

72 26.4 41.7 62.5#

71 731.2 39.0 58.6#



#30

Chloroform

Concen: 1159.813 ug/l

RT: 7.66 min Scan# 944

Delta R.T. -0.02 min

Lab File: VW007751.D

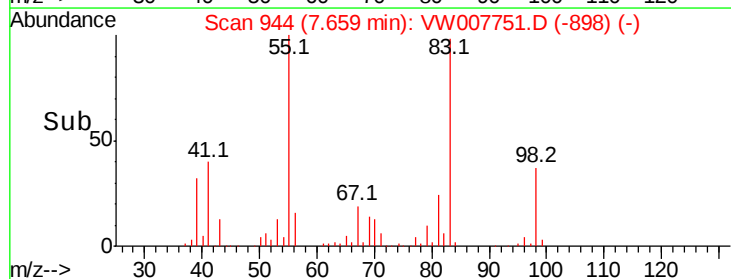
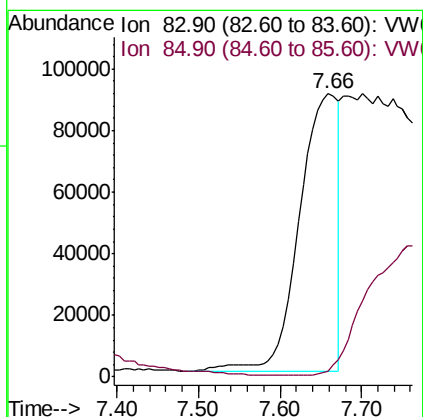
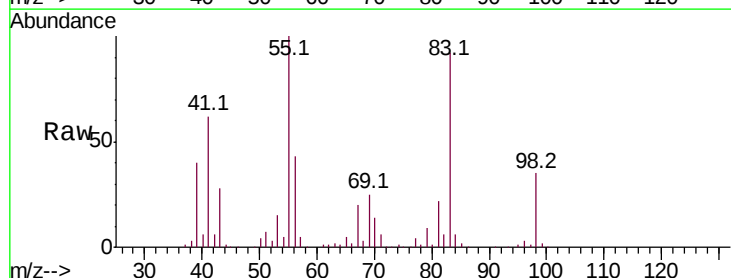
Acq: 20 Dec 2018 17:07

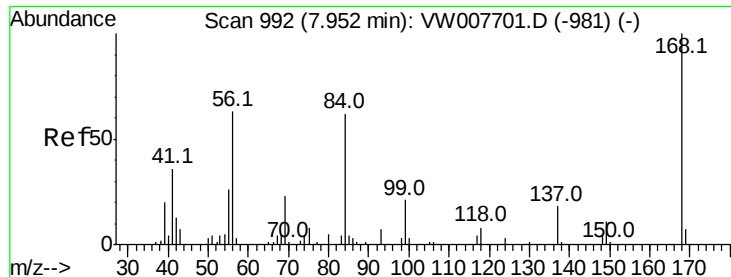
Tgt Ion: 83 Resp: 296829

Ion Ratio Lower Upper

83 100

85 0.0 52.2 78.2#

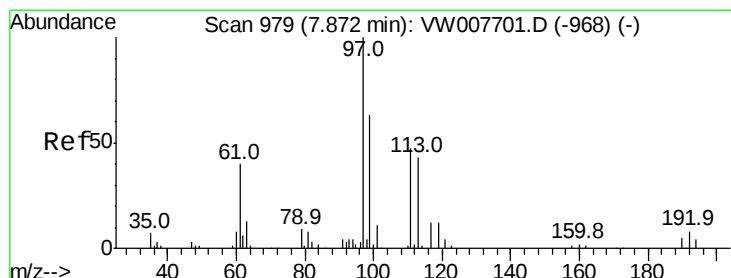
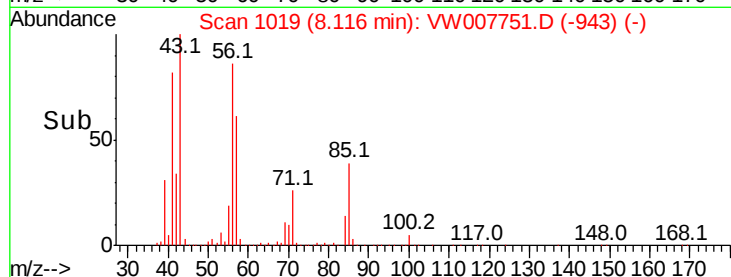
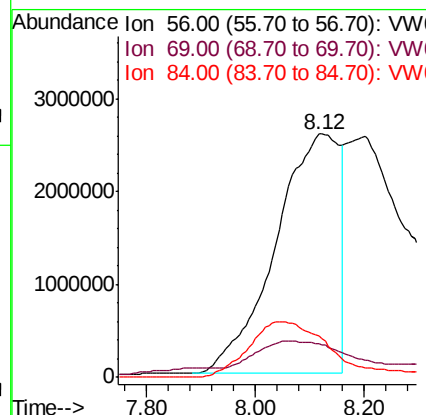
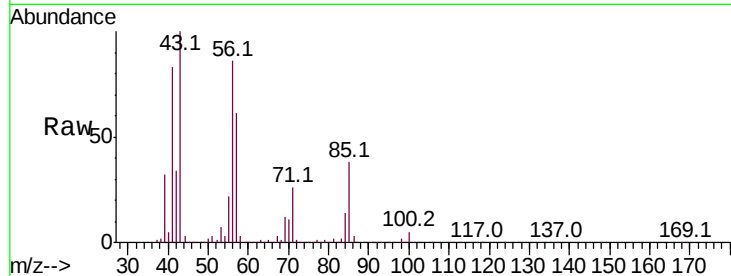




#31
Cyclohexane
Concen: 101672.922 ug/l
RT: 8.12 min Scan# 1019
Delta R.T. 0.16 min
Lab File: VW007751.D
Acq: 20 Dec 2018 17:07

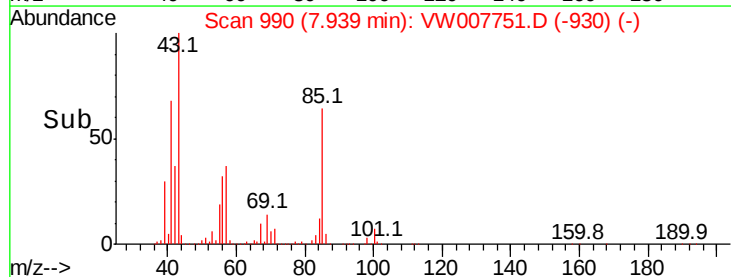
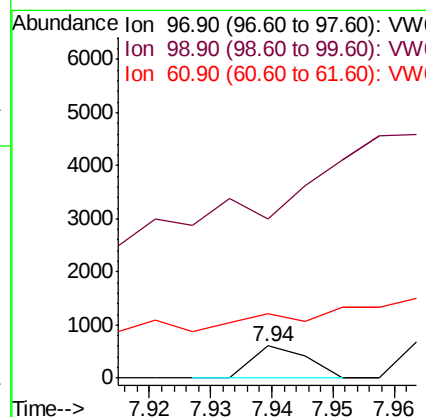
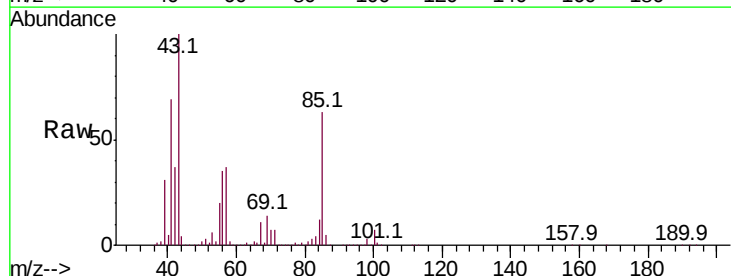
Instrument :
MSVOA_W
ClientSampleId :

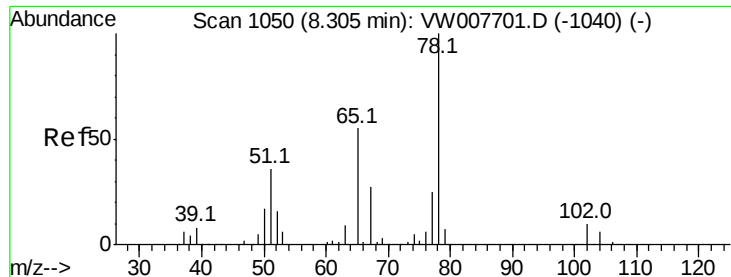
Tot Ion: 56 Resp: 21049624
Ion Ratio Lower Upper
56 100
69 10.3 29.7 44.5#
84 16.9 78.9 118.3#



#32
1,1,1-Trichloroethane
Concen: 1.626 ug/l
RT: 7.94 min Scan# 990
Delta R.T. 0.07 min
Lab File: VW007751.D
Acq: 20 Dec 2018 17:07

Tgt Ion: 97 Resp: 379
Ion Ratio Lower Upper
97 100
99 0.0 50.6 76.0#
61 0.0 32.3 48.5#

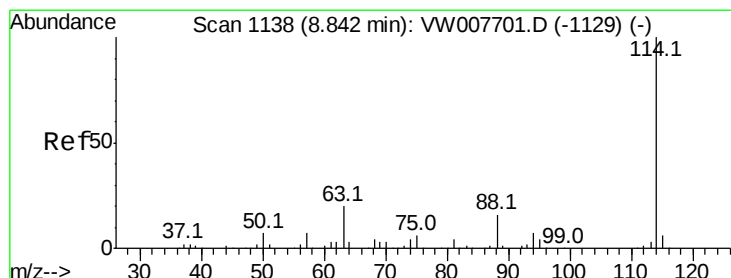
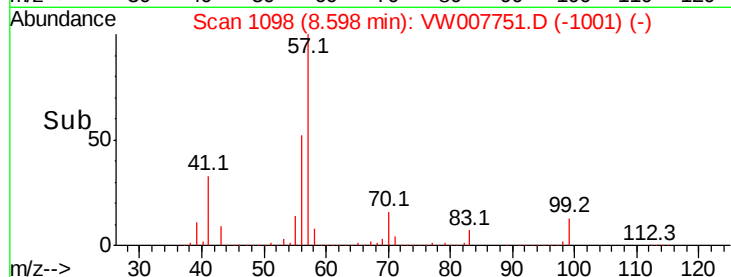
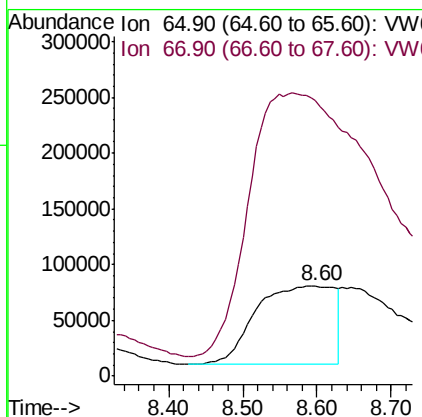
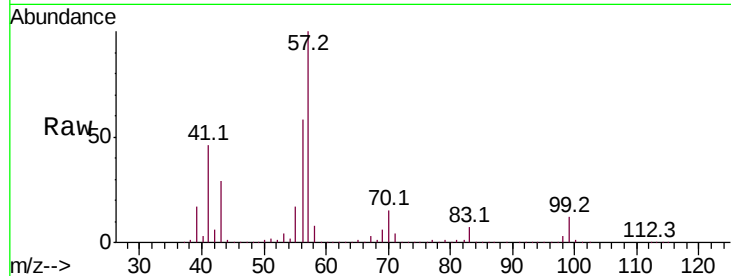




#33
 1,2-Dichloroethane-d4
 Concen: 3735.304 ug/l
 RT: 8.60 min Scan# 1098
 Delta R.T. 0.29 min
 Lab File: VW007751.D
 Acq: 20 Dec 2018 17:07

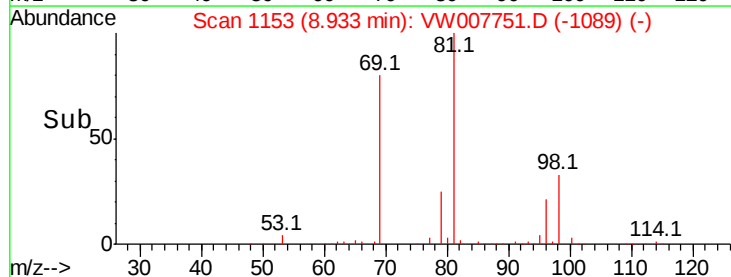
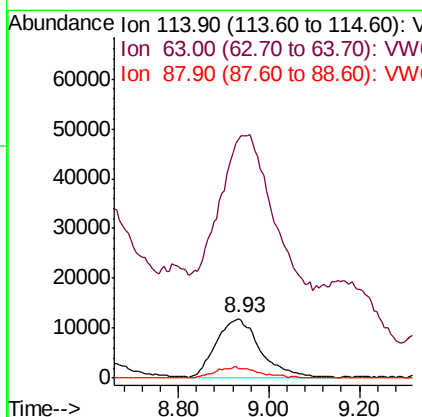
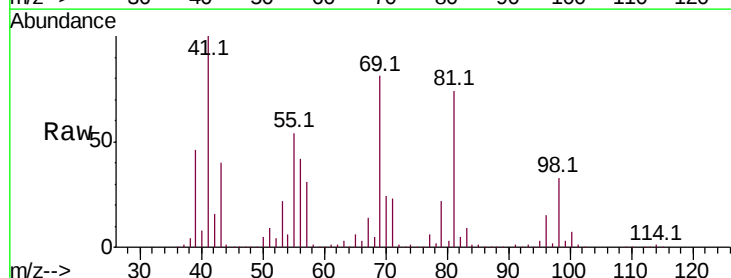
Instrument :
 MSVOA_W
 ClientSampled :

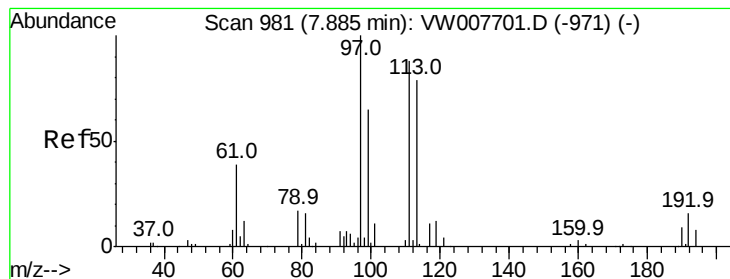
Tot Ion: 65 Resp: 519495
 Ion Ratio Lower Upper
 65 100
 67 0.0 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.93 min Scan# 1153
 Delta R.T. 0.09 min
 Lab File: VW007751.D
 Acq: 20 Dec 2018 17:07

Tgt Ion: 114 Resp: 81799
 Ion Ratio Lower Upper
 114 100
 63 237.2 0.0 40.0#
 88 16.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 41.323 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.07 min

Lab File: VW007751.D

Acq: 20 Dec 2018 17:07

Instrument :

MSVOA_W

ClientSampleId :

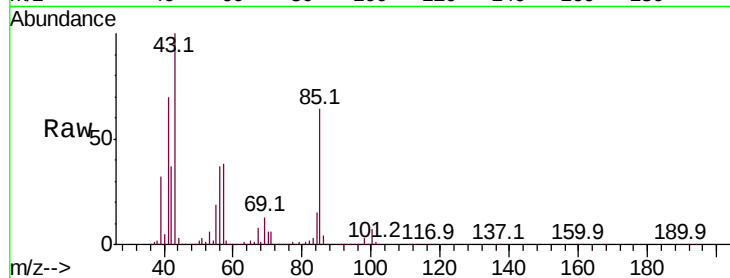
Tot Ion:113 Resp: 20621

Ion Ratio Lower Upper

113 100

111 99.9 82.6 124.0

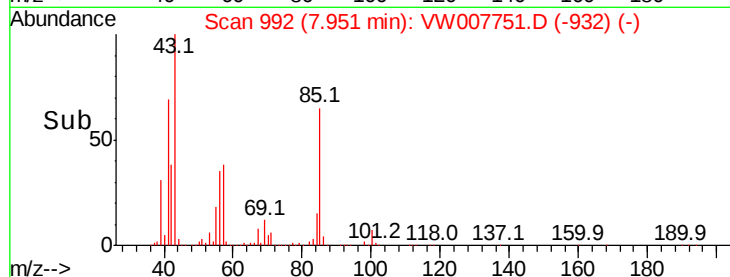
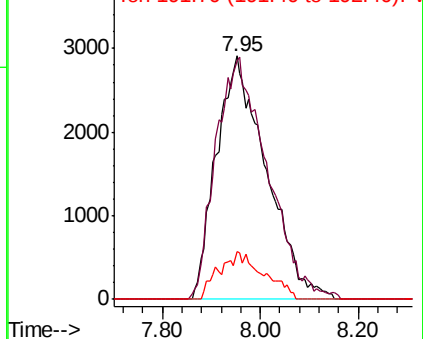
192 14.1 15.5 23.3#



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: 5.894 ug/l

RT: 8.04 min Scan# 1006

Delta R.T. -0.04 min

Lab File: VW007751.D

Acq: 20 Dec 2018 17:07

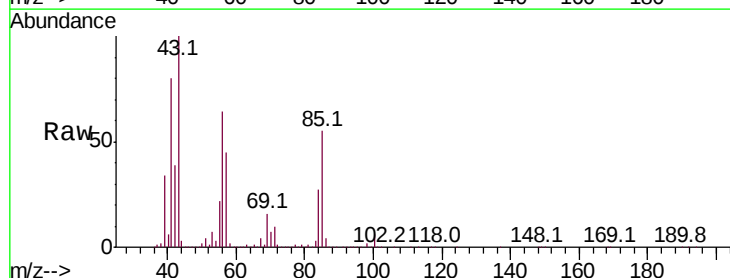
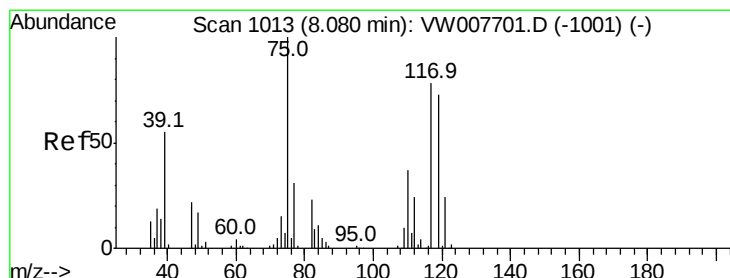
Tgt Ion: 75 Resp: 4653

Ion Ratio Lower Upper

75 100

110 1.0 18.6 55.8#

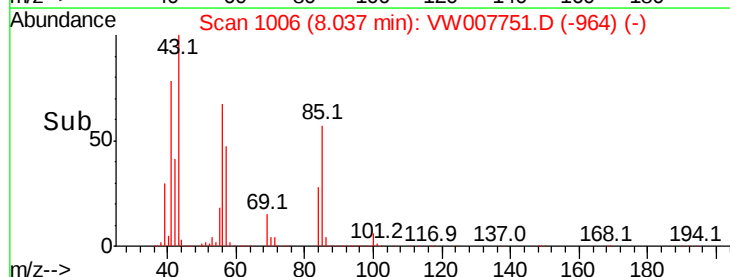
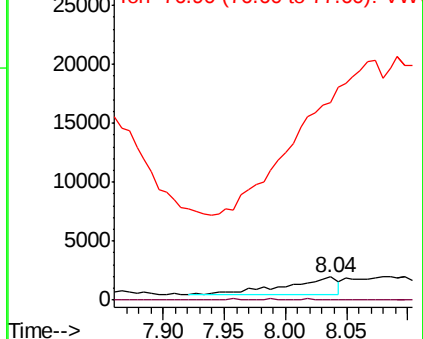
77 0.0 25.0 37.4#

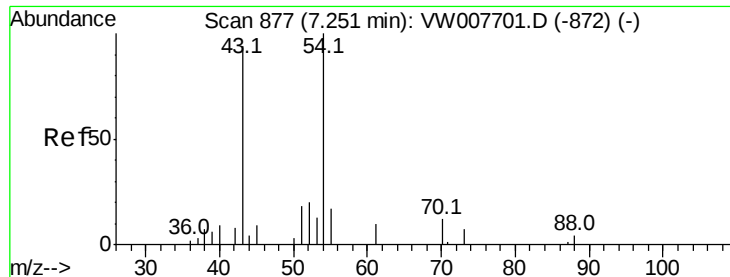


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 133.699 ug/l

RT: 7.56 min Scan# 927

Delta R.T. 0.30 min

Lab File: VW007751.D

Acq: 20 Dec 2018 17:07

Instrument :
MSVOA_W
ClientSampled :

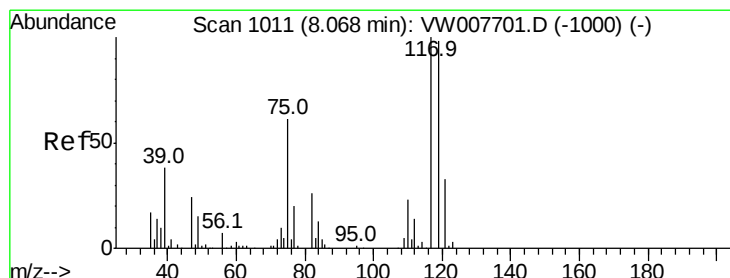
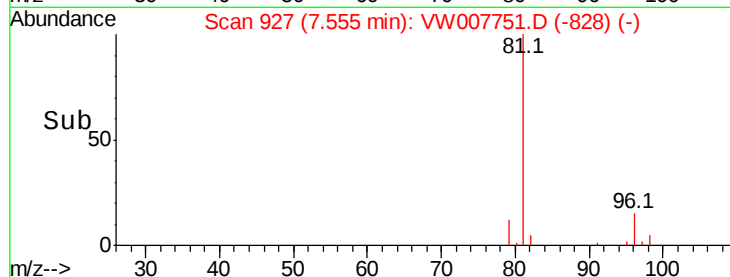
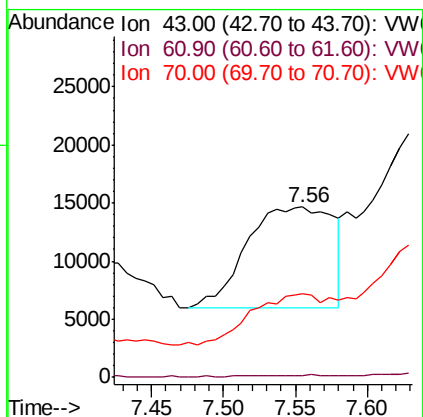
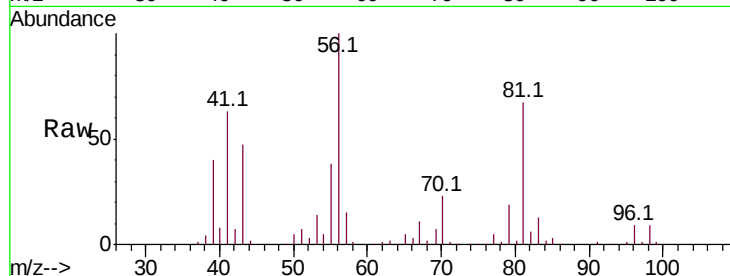
Tot Ion: 43 Resp: 36429

Ion Ratio Lower Upper

43 100

61 0.0 11.2 16.8#

70 40.0 9.3 13.9#



#38

Carbon Tetrachloride

Concen: 1.860 ug/l

RT: 8.02 min Scan# 1003

Delta R.T. -0.05 min

Lab File: VW007751.D

Acq: 20 Dec 2018 17:07

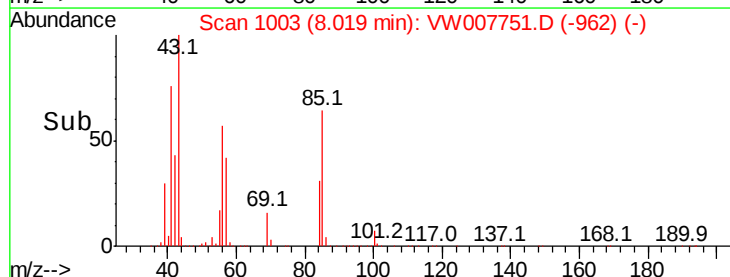
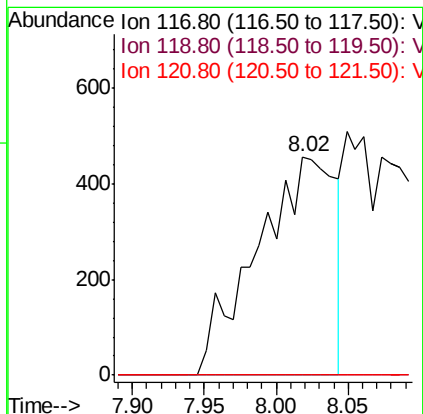
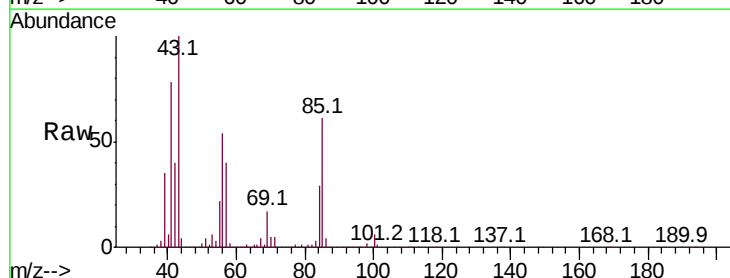
Tgt Ion: 117 Resp: 1729

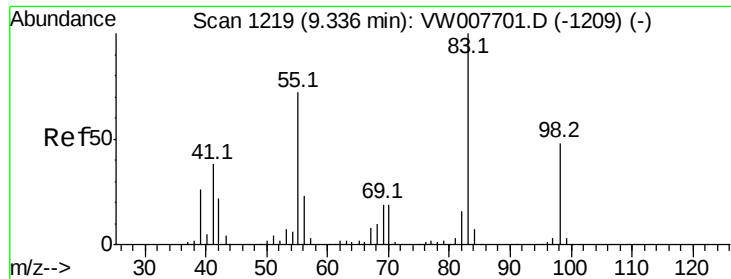
Ion Ratio Lower Upper

117 100

119 0.0 78.2 117.2#

121 0.0 26.1 39.1#

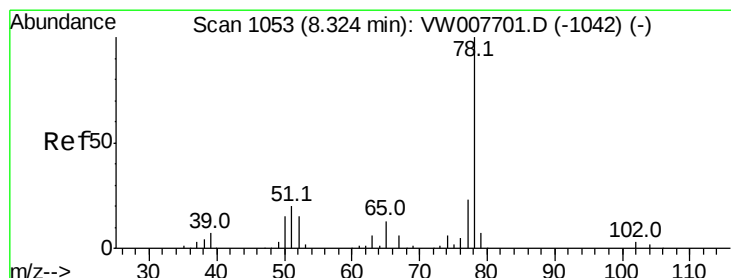
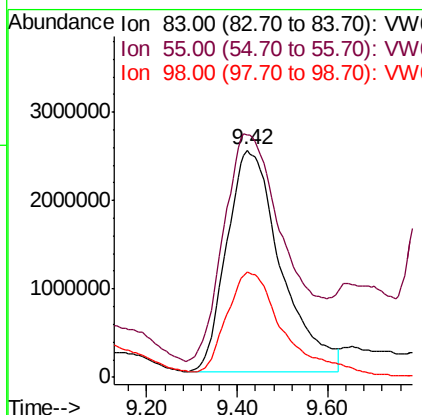
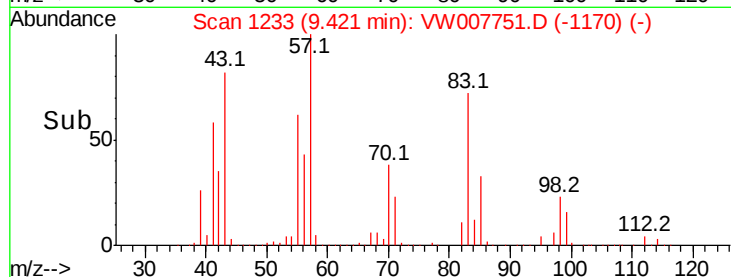
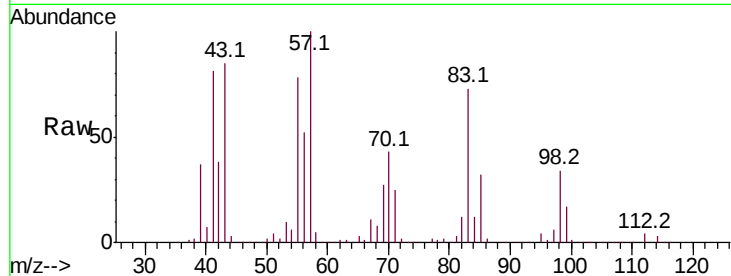




#39
Methvlcvclohexane
Concen: 21228.027 ug/l
RT: 9.42 min Scan# 1233
Delta R.T. 0.09 min
Lab File: VW007751.D
Acq: 20 Dec 2018 17:07

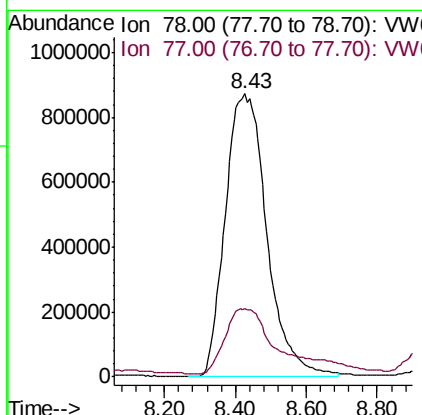
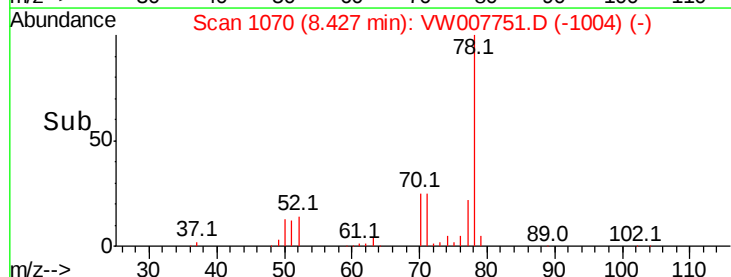
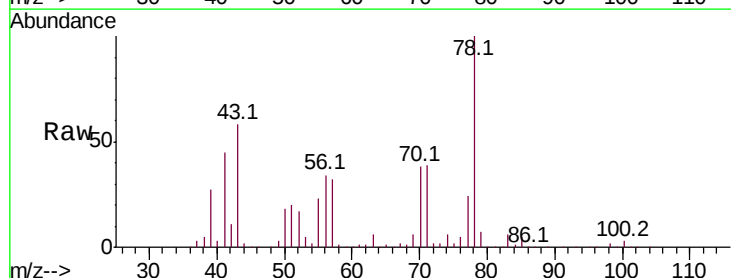
Instrument :
MSVOA_W
ClientSampleId :

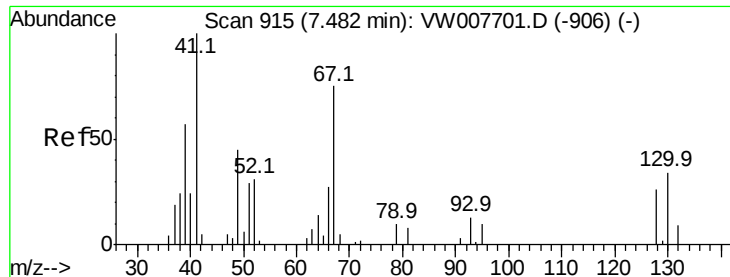
Tot Ion: 83 Resp:20825701
Ion Ratio Lower Upper
83 100
55 102.0 57.2 85.8#
98 44.8 38.6 58.0



#40
Benzene
Concen: 3346.884 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. 0.10 min
Lab File: VW007751.D
Acq: 20 Dec 2018 17:07

Tgt Ion: 78 Resp: 7051175
Ion Ratio Lower Upper
78 100
77 22.9 18.7 28.1

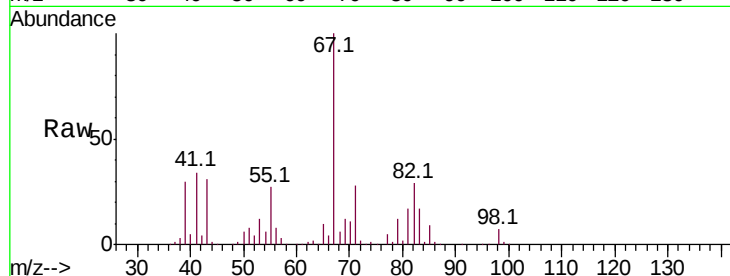




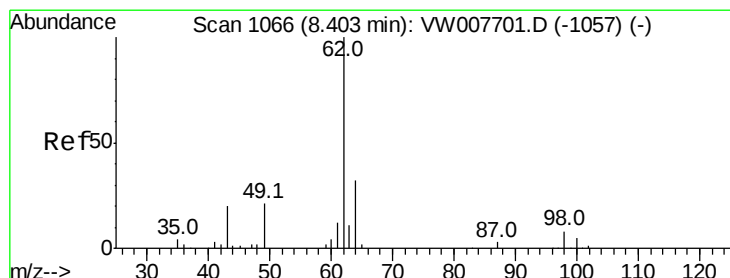
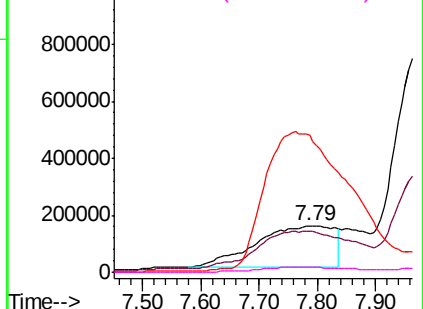
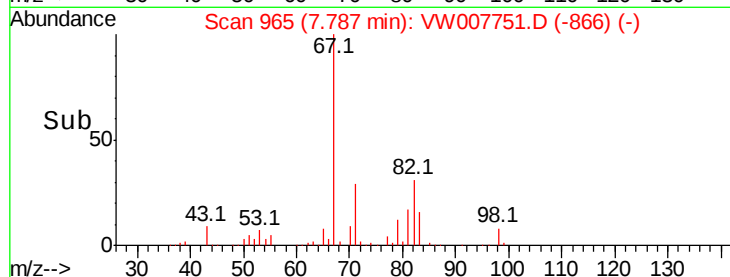
#41
Methacrylonitrile
Concen: 8592.164 ug/l
RT: 7.79 min Scan# 965
Delta R.T. 0.30 min
Lab File: VW007751.D
Acq: 20 Dec 2018 17:07

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 41 Resp: 1329169
Ion Ratio Lower Upper
41 100
39 0.0 54.2 81.4#
67 0.0 65.7 98.5#
52 10.4 26.2 39.4#

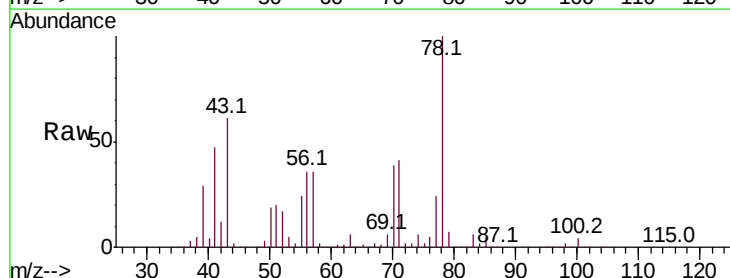


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

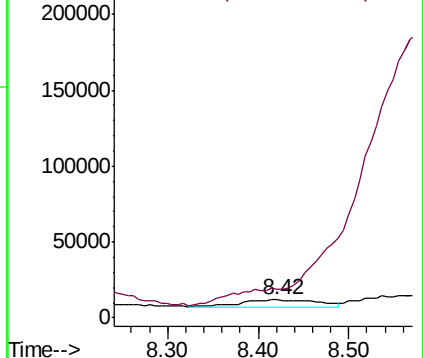
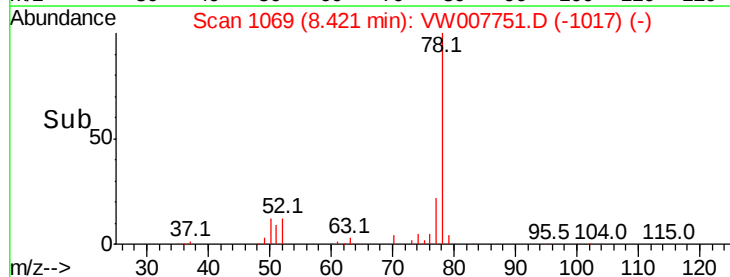


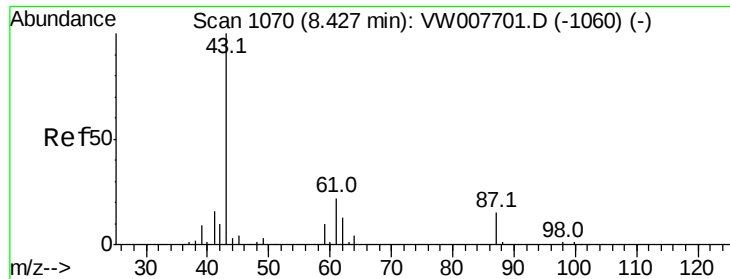
#42
1,2-Dichloroethane
Concen: 39.895 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. 0.02 min
Lab File: VW007751.D
Acq: 20 Dec 2018 17:07

Tgt Ion: 62 Resp: 28167
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 42512.344 ug/l

RT: 8.54 min Scan# 1089

Delta R.T. 0.12 min

Lab File: VW007751.D

Acq: 20 Dec 2018 17:07

Instrument :

MSVOA_W

ClientSampled :

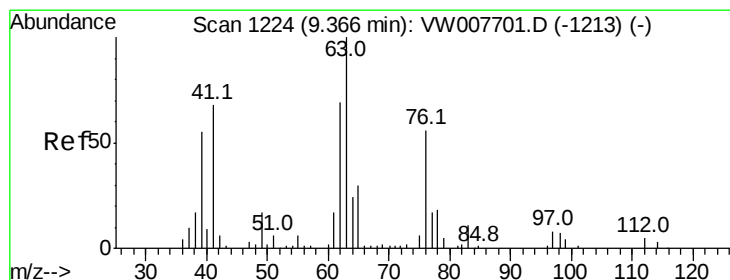
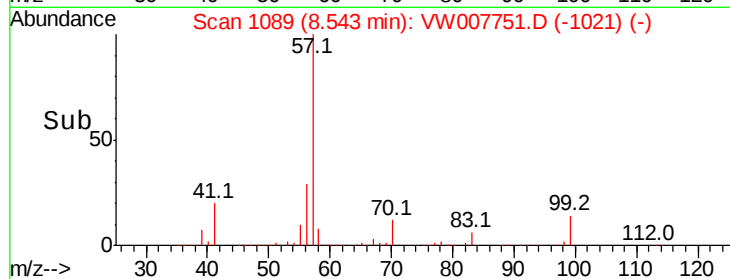
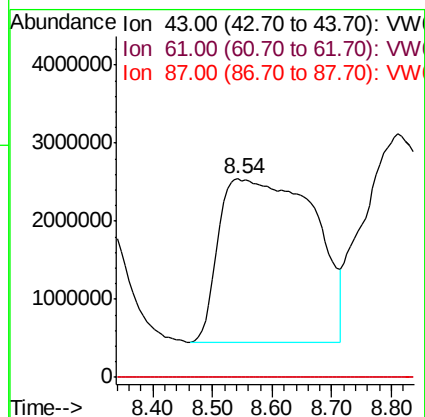
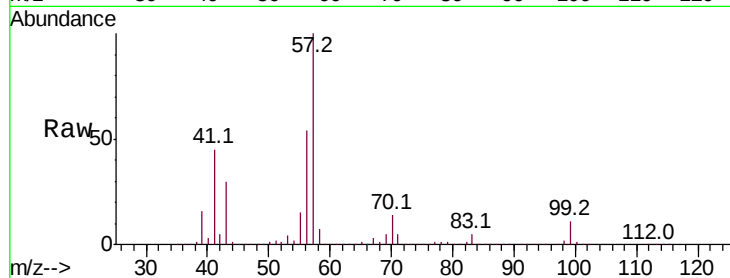
Tot Ion: 43 Resp: 23206659

Ion Ratio Lower Upper

43 100

61 0.0 26.3 39.5#

87 0.0 12.0 18.0#



#45

1,2-Dichloropropane

Concen: 680.807 ug/l

RT: 9.41 min Scan# 1232

Delta R.T. 0.05 min

Lab File: VW007751.D

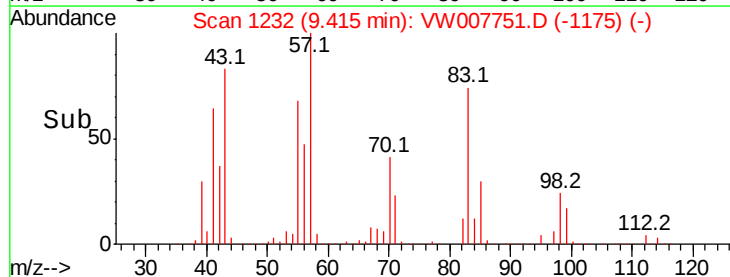
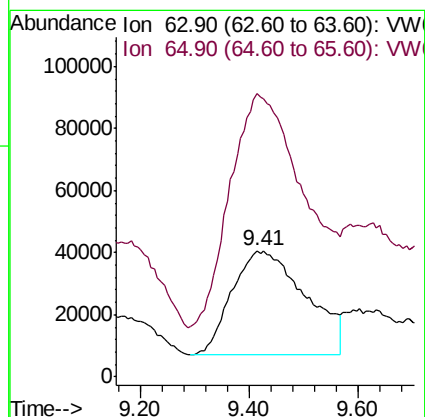
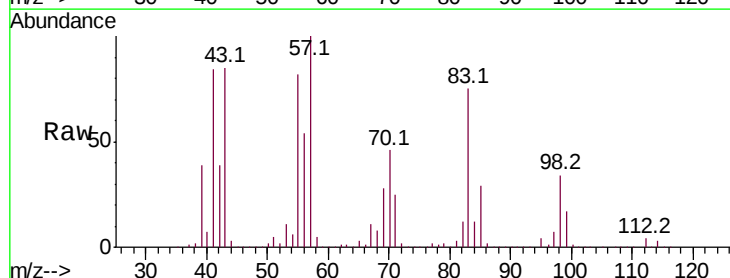
Acq: 20 Dec 2018 17:07

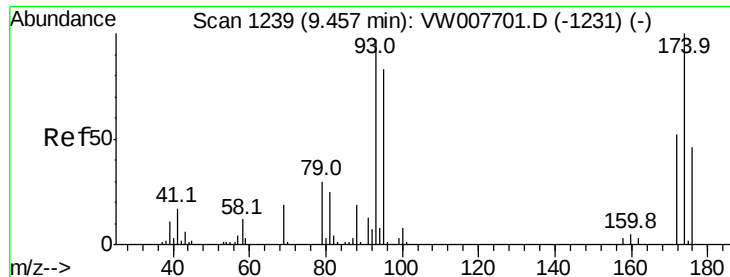
Tgt Ion: 63 Resp: 318260

Ion Ratio Lower Upper

63 100

65 222.4 23.8 35.8#





#46

Dibromomethane

Concen: 414.120 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.01 min

Lab File: VW007751.D

Acq: 20 Dec 2018 17:07

Instrument :
MSVOA_W
ClientSampled :

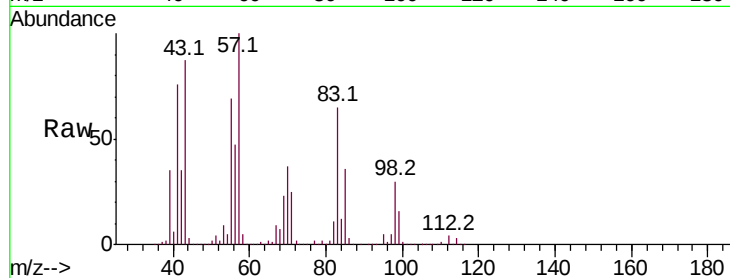
Tot Ion: 93 Resp: 119169

Ion Ratio Lower Upper

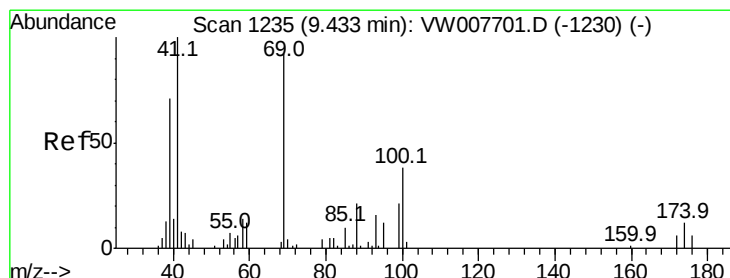
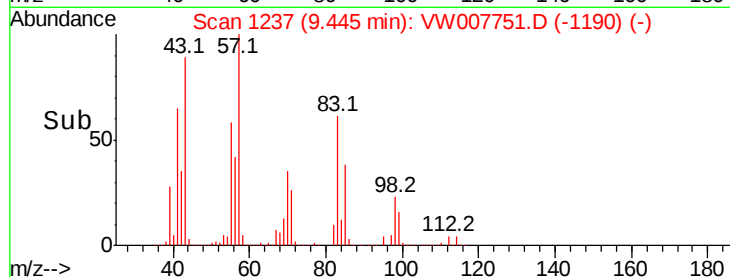
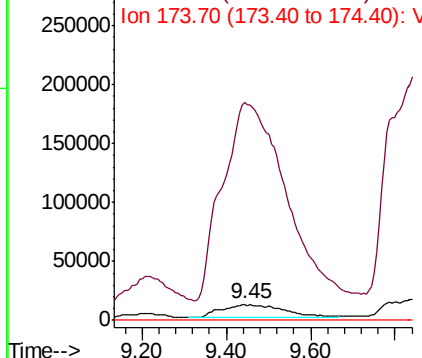
93 100

95 1459.0 67.5 101.3#

174 0.0 83.9 125.9#



Abundance Ion 92.80 (92.50 to 93.50): VW
Ion 94.80 (94.50 to 95.50): VW
Ion 173.70 (173.40 to 174.40): V



#48

Methyl methacrylate

Concen: 133548.476 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW007751.D

Acq: 20 Dec 2018 17:07

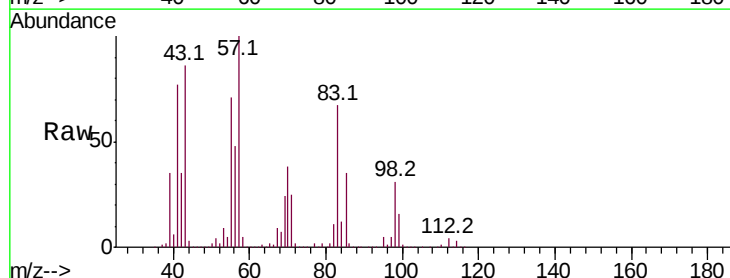
Tgt Ion: 41 Resp: 36389084

Ion Ratio Lower Upper

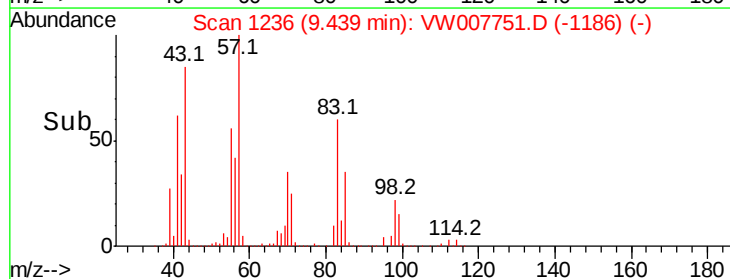
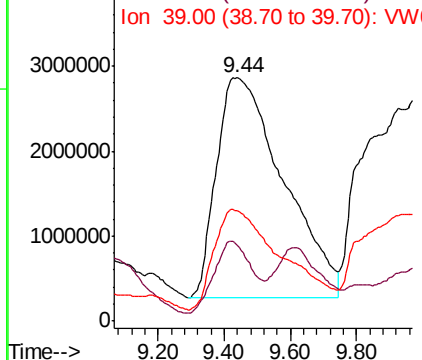
41 100

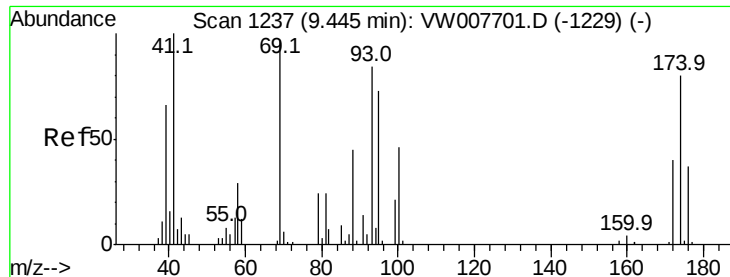
69 18.9 74.2 111.2#

39 47.0 53.9 80.9#



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





#49

1,4-Dioxane

Concen: 33.316 ug/l

RT: 9.54 min Scan# 1252

Delta R.T. 0.09 min

Lab File: VW007751.D

Acq: 20 Dec 2018 17:07

Instrument :
MSVOA_W
ClientSampleId :

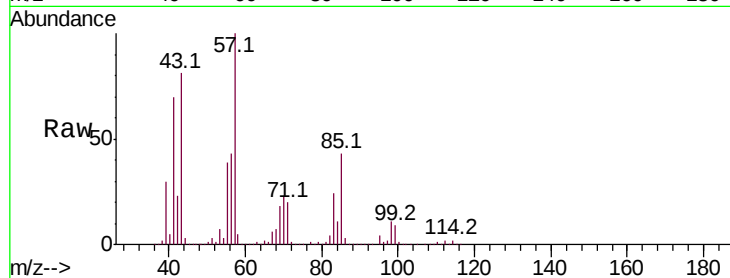
Tot Ion: 88 Resp: 152

Ion Ratio Lower Upper

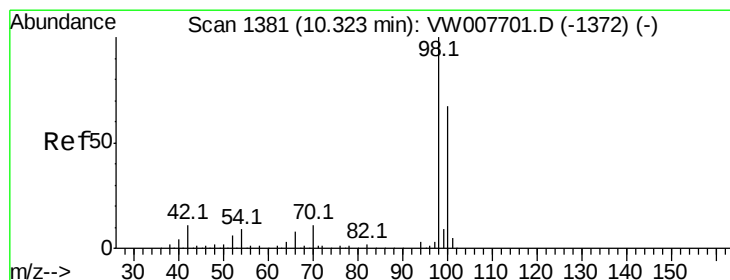
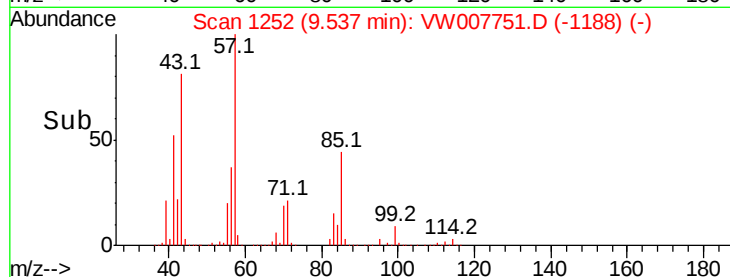
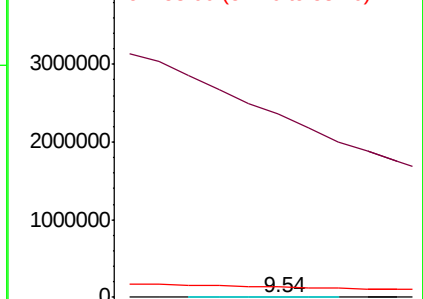
88 100

43 0.0 25.6 38.4#

58 0.0 52.3 78.5#



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 264.308 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. 0.07 min

Lab File: VW007751.D

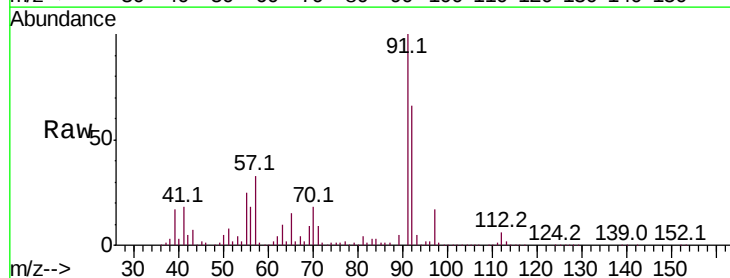
Acq: 20 Dec 2018 17:07

Tgt Ion: 98 Resp: 497221

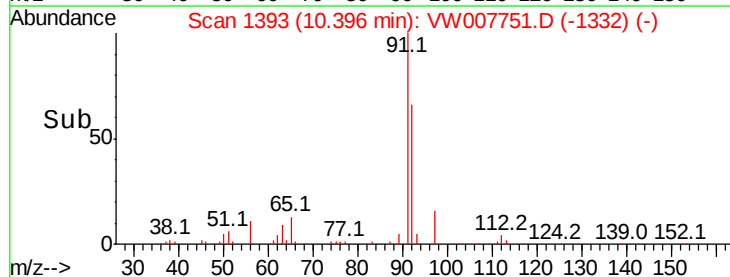
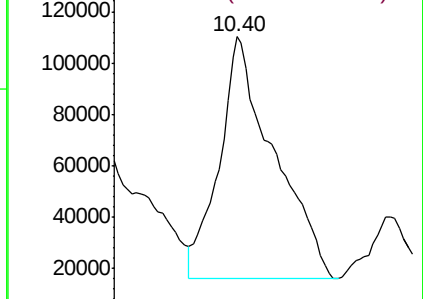
Ion Ratio Lower Upper

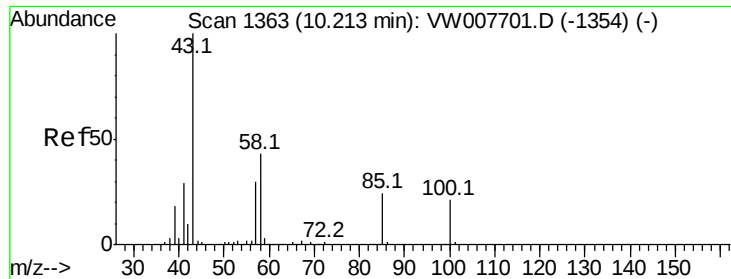
98 100

100 5.0 52.2 78.2#



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





#51

4-Methyl-2-Pentanone

Concen: 4066.157 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.18 min

Lab File: VW007751.D

Acq: 20 Dec 2018 17:07

Instrument :

MSVOA_W

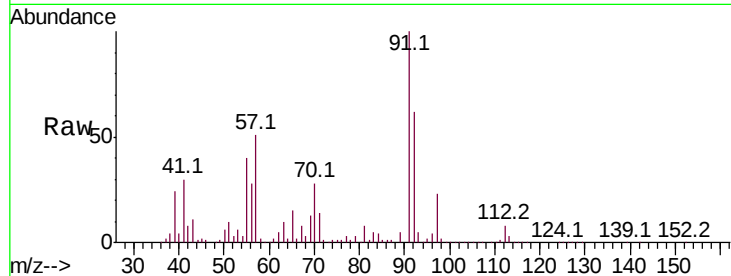
ClientSampled :

Tot Ion: 43 Resp: 1048995

Ion Ratio Lower Upper

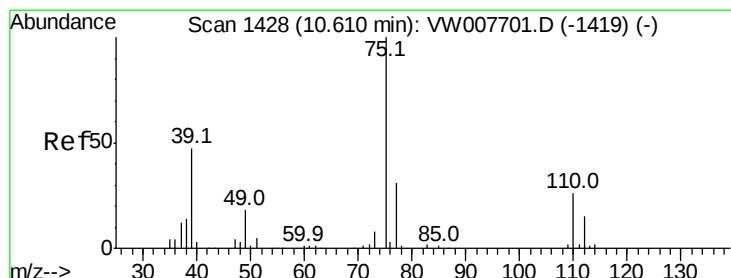
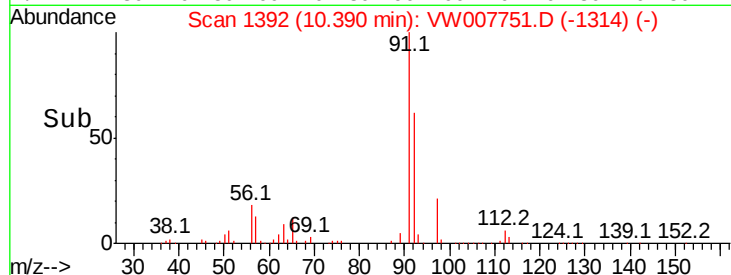
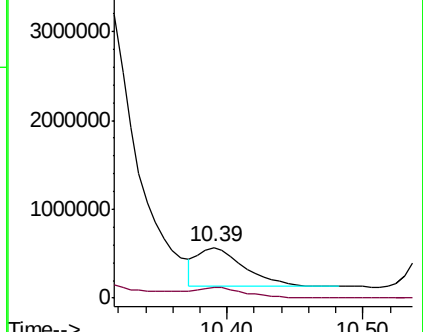
43 100

58 26.3 33.2 49.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#53

t-1,3-Dichloropropene

Concen: 49.427 ug/l

RT: 10.82 min Scan# 1463

Delta R.T. 0.21 min

Lab File: VW007751.D

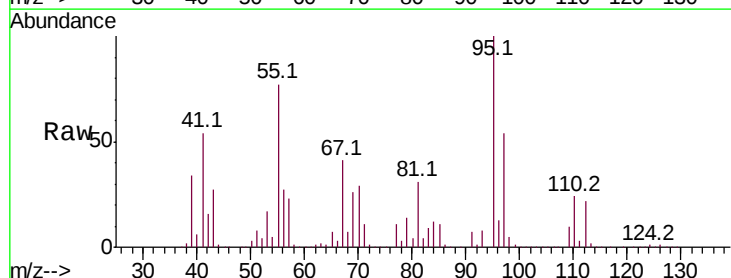
Acq: 20 Dec 2018 17:07

Tgt Ion: 75 Resp: 37193

Ion Ratio Lower Upper

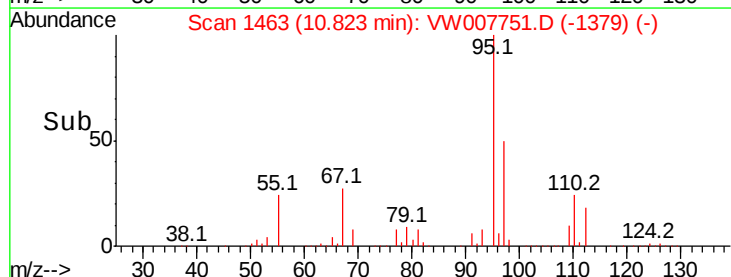
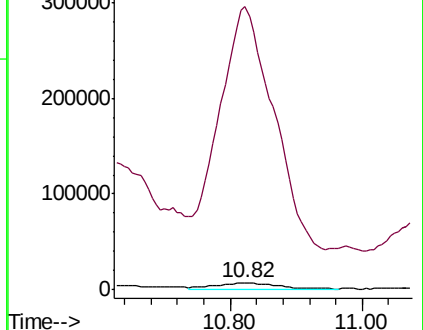
75 100

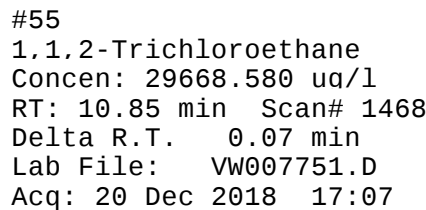
77 3855.6 25.2 37.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

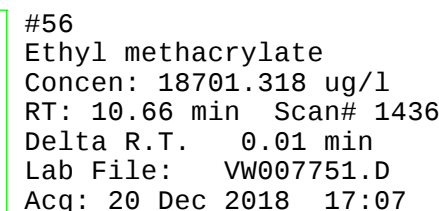
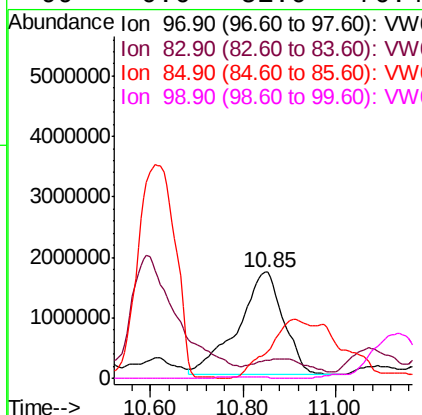
Ion 76.90 (76.60 to 77.60): VW



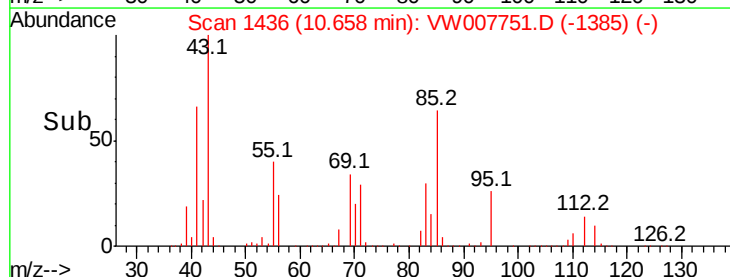
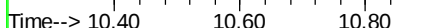
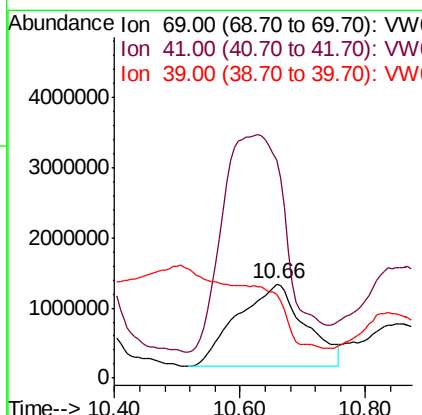


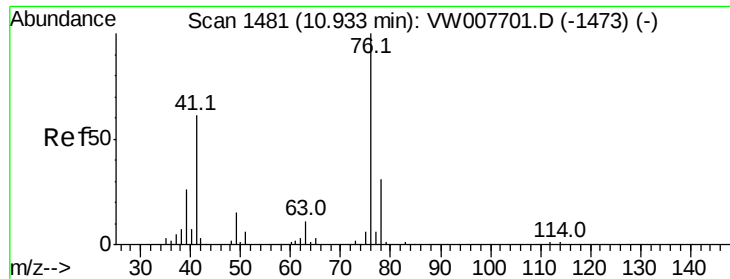
Instrument :
MSVOA_W
ClientSampleId :

Tat	Ion: 97	Resp:11769811	
Ion	Ratio	Lower	Upper
97	100		
83	9.5	67.5	101.3#
85	8.9	44.8	67.2#
99	0.6	51.0	76.4#



Tgt	Ion: 69	Resp: 8765592	
Ion	Ratio	Lower	Upper
69	100		
41	0.0	48.9	73.3#
39	0.0	31.3	46.9#





#57

1,3-Dichloropropane

Concen: 3.898 ug/l

RT: 11.05 min Scan# 1501

Delta R.T. 0.12 min

Lab File: VW007751.D

Acq: 20 Dec 2018 17:07

Instrument :

MSVOA_W

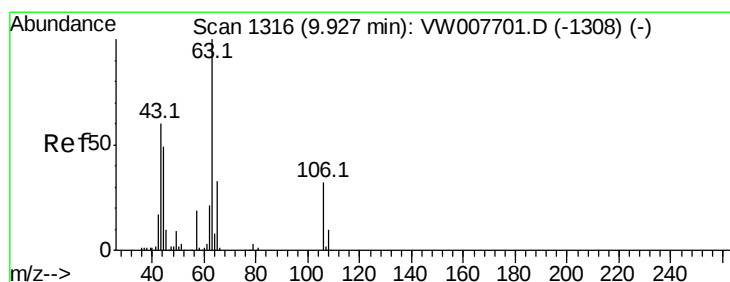
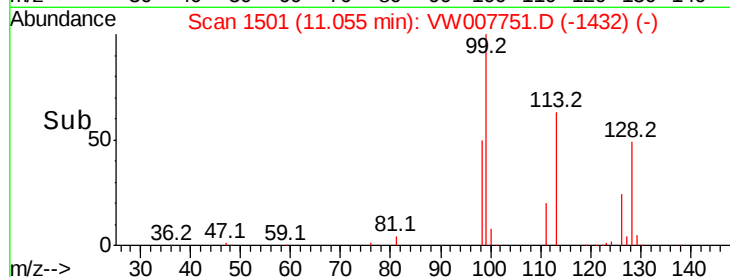
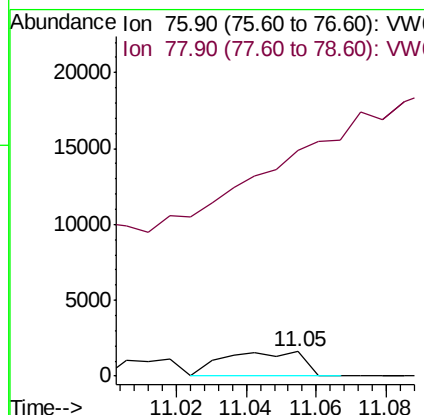
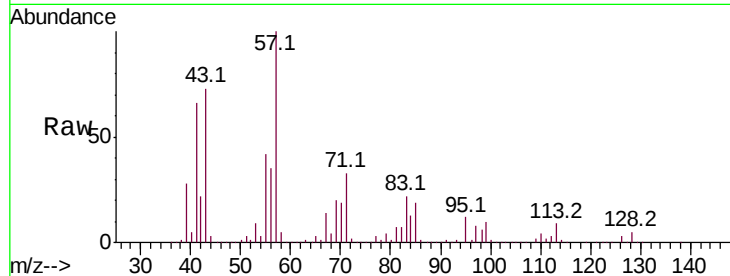
ClientSampleId :

Tot Ion: 76 Resp: 2568

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#58

2-Chloroethyl Vinyl ether

Concen: 1841.817 ug/l

RT: 9.96 min Scan# 1321

Delta R.T. 0.03 min

Lab File: VW007751.D

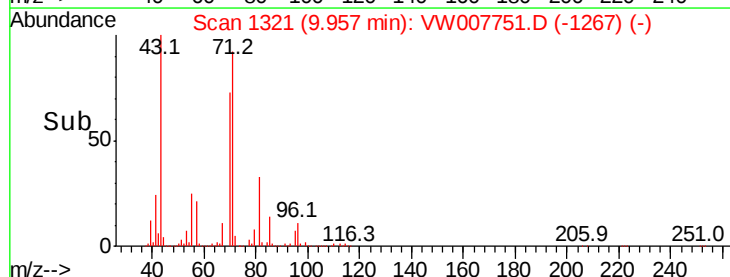
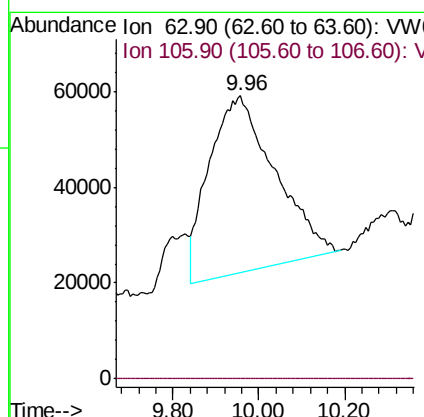
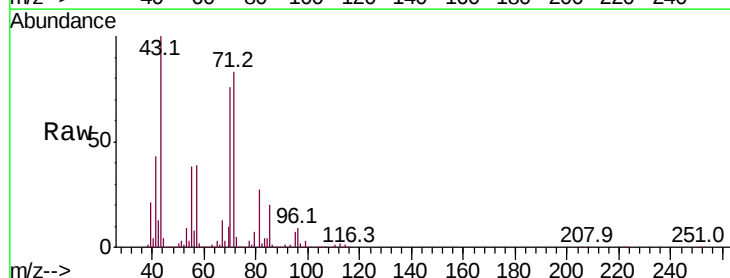
Acq: 20 Dec 2018 17:07

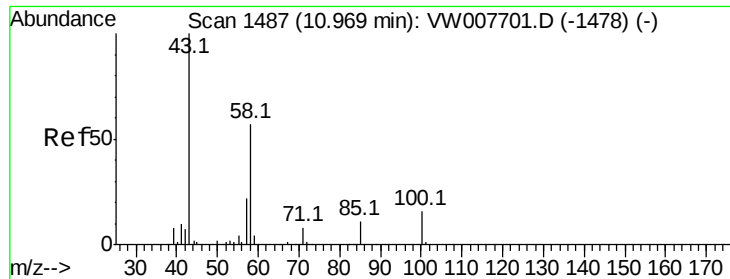
Tgt Ion: 63 Resp: 394153

Ion Ratio Lower Upper

63 100

106 0.1 25.9 38.9#

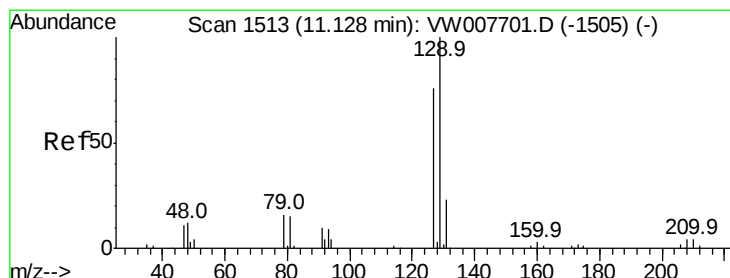
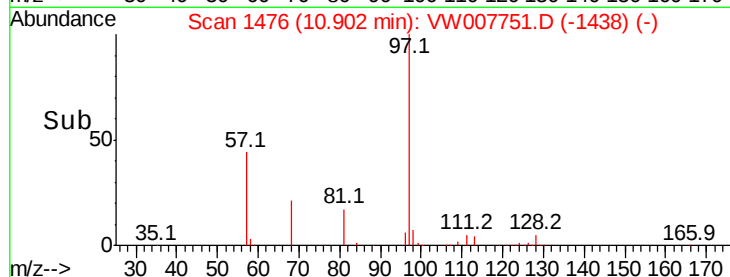
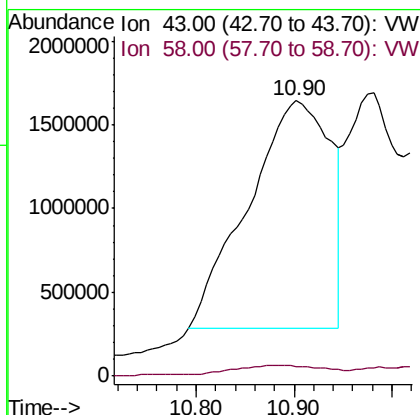
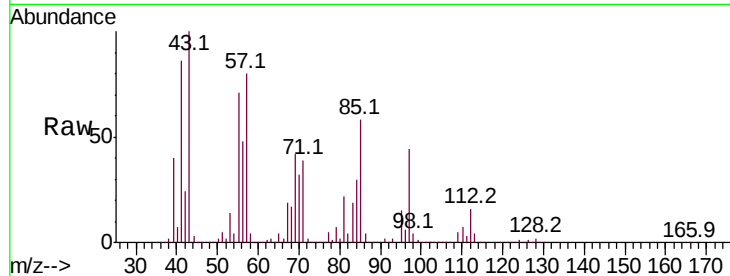




#59
2-Hexanone
Concen: 43805.677 ug/l
RT: 10.90 min Scan# 1476
Delta R.T. -0.07 min
Lab File: VW007751.D
Acq: 20 Dec 2018 17:07

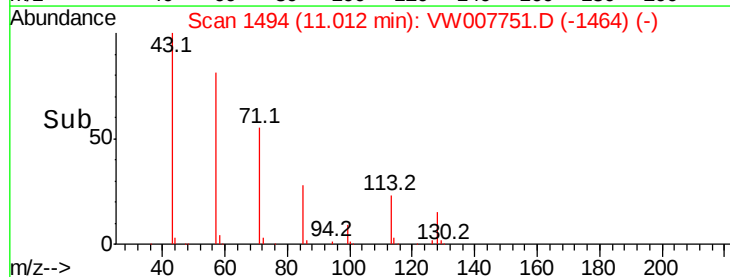
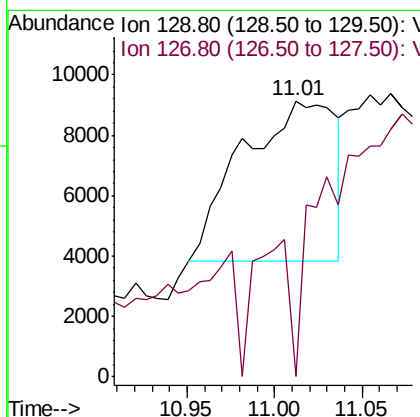
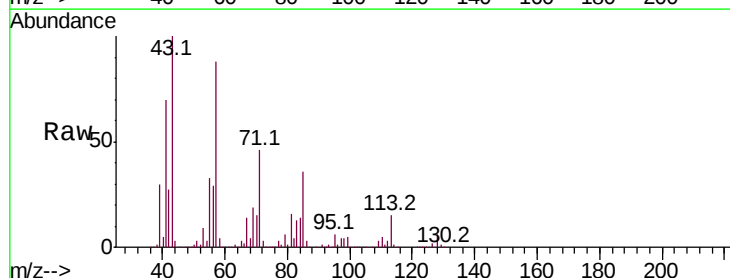
Instrument :
MSVOA_W
ClientSampleId :

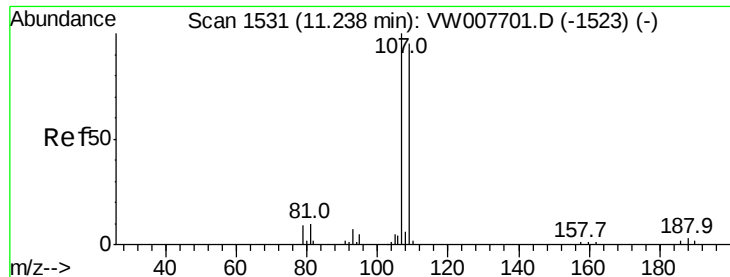
Tot Ion: 43 Resp: 7947701
Ion Ratio Lower Upper
43 100
58 4.1 27.7 83.1#



#60
Dibromochloromethane
Concen: 37.664 ug/l
RT: 11.01 min Scan# 1494
Delta R.T. -0.12 min
Lab File: VW007751.D
Acq: 20 Dec 2018 17:07

Tgt Ion: 129 Resp: 19784
Ion Ratio Lower Upper
129 100
127 30.6 38.3 114.9#





#61

1,2-Dibromoethane

Concen: 128.921 ug/l

RT: 11.32 min Scan# 1545

Delta R.T. 0.09 min

Lab File: VW007751.D

Acq: 20 Dec 2018 17:07

Instrument :

MSVOA_W

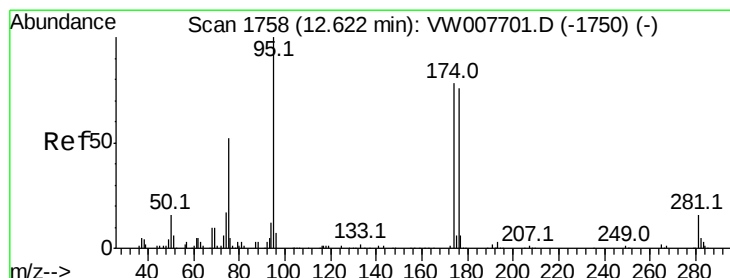
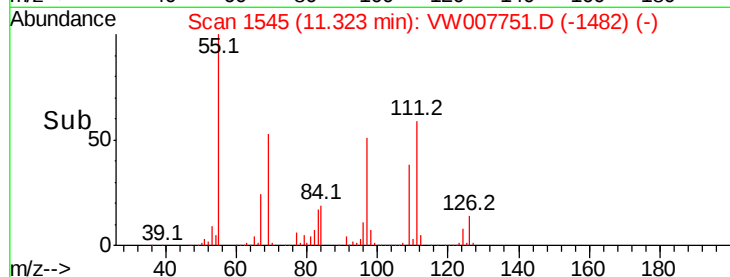
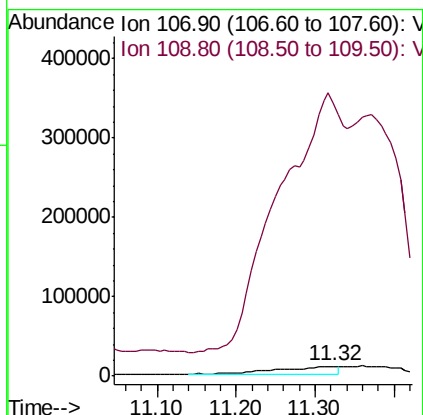
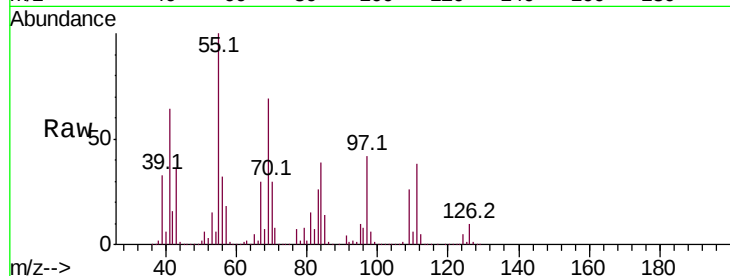
ClientSampleId :

Tot Ion:107 Resp: 51792

Ion Ratio Lower Upper

107 100

109 3641.2 75.4 113.0#



#62

4-Bromofluorobenzene

Concen: 167.344 ug/l

RT: 12.63 min Scan# 1760

Delta R.T. 0.01 min

Lab File: VW007751.D

Acq: 20 Dec 2018 17:07

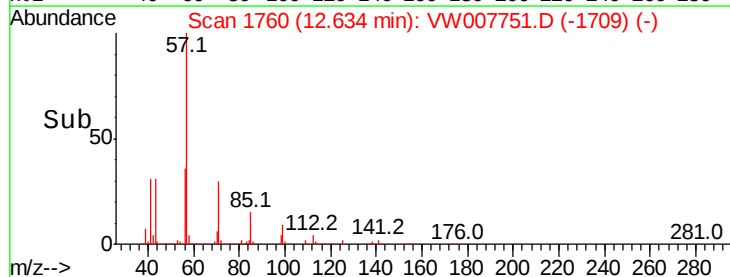
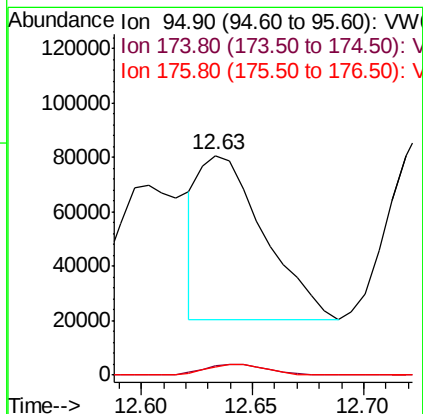
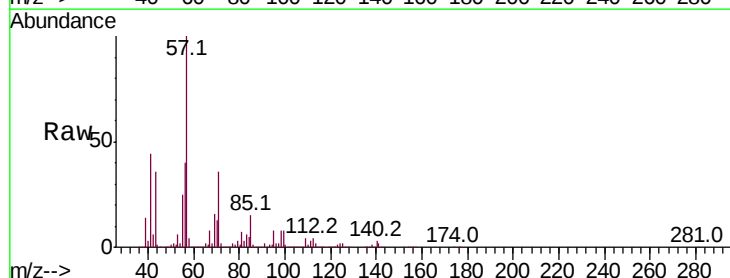
Tgt Ion: 95 Resp: 121618

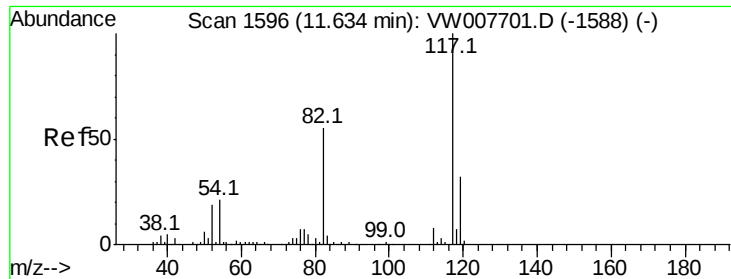
Ion Ratio Lower Upper

95 100

174 6.3 0.0 152.2

176 6.2 0.0 146.8

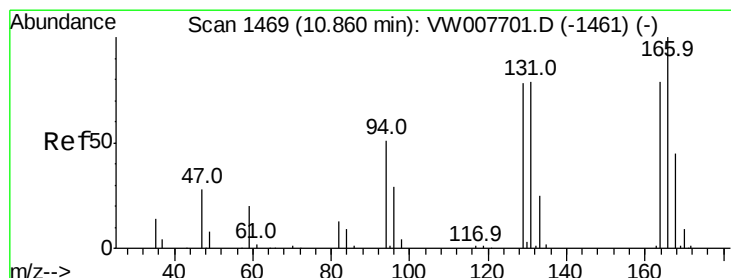
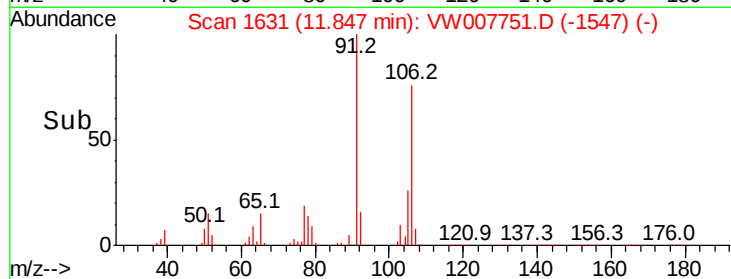
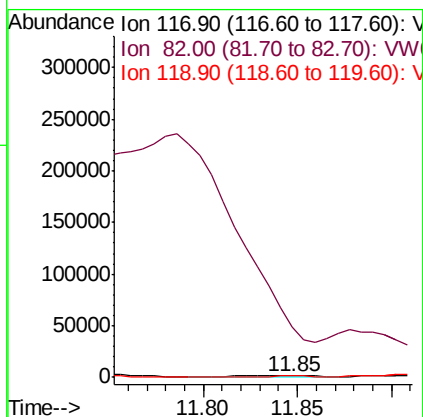
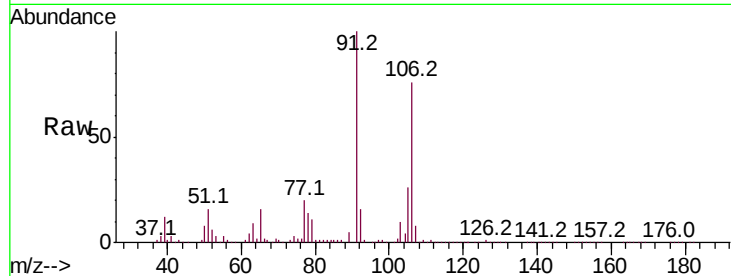




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.21 min
Lab File: VW007751.D
Acq: 20 Dec 2018 17:07

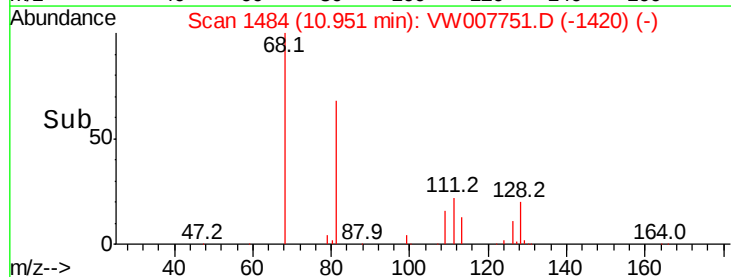
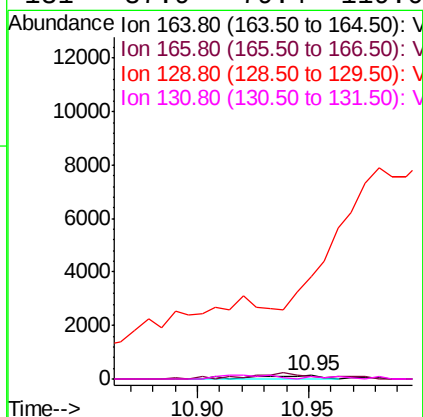
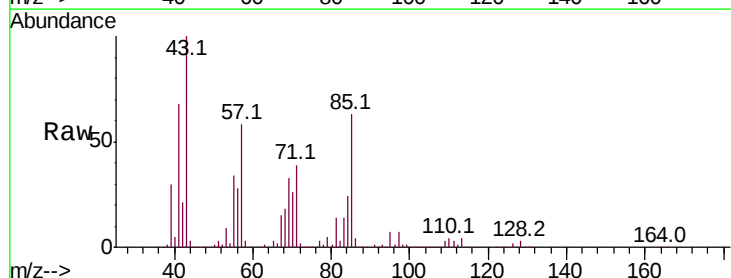
Instrument :
MSVOA_W
ClientSampleId :

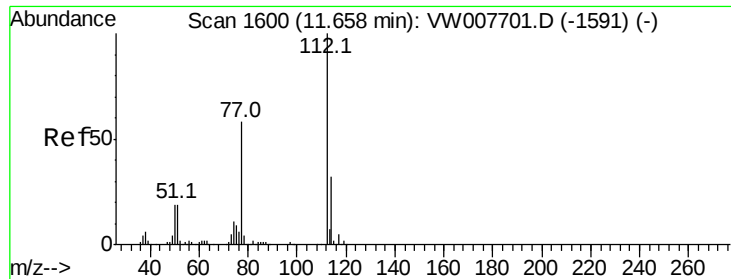
Tot Ion:117 Resp: 2943
Ion Ratio Lower Upper
117 100
82 667.2 44.3 66.5#
119 68.6 25.7 38.5#



#64
Tetrachloroethene
Concen: 13.148 ug/l
RT: 10.95 min Scan# 1484
Delta R.T. 0.09 min
Lab File: VW007751.D
Acq: 20 Dec 2018 17:07

Tgt Ion:164 Resp: 274
Ion Ratio Lower Upper
164 100
166 84.8 101.0 151.6#
129 1090.2 78.7 118.1#
131 87.9 79.4 119.0





#65

Chlorobenzene

Concen: 13060.146 ug/l

RT: 11.54 min Scan# 1580

Delta R.T. -0.12 min

Lab File: VW007751.D

Acq: 20 Dec 2018 17:07

Instrument :

MSVOA_W

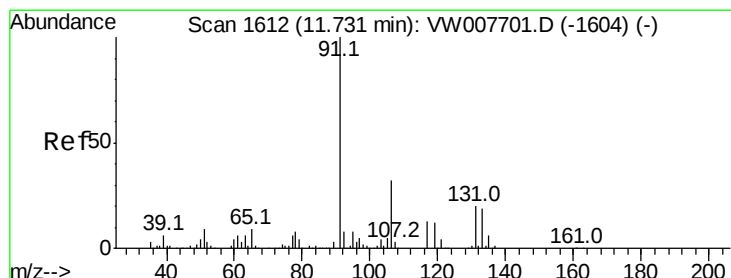
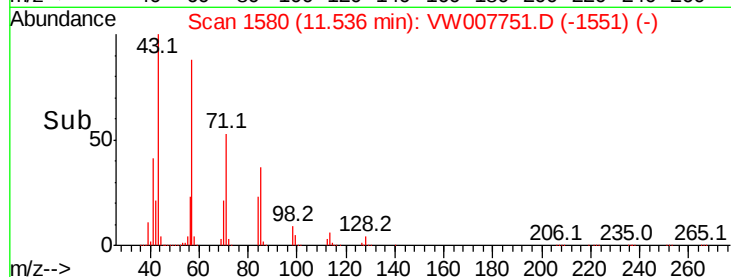
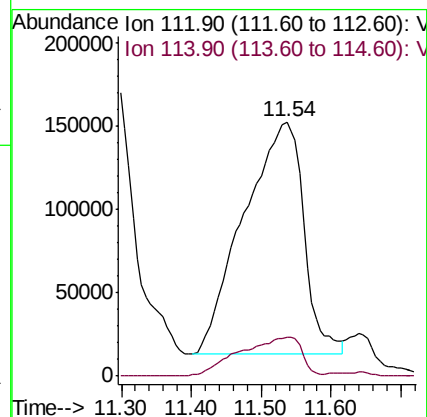
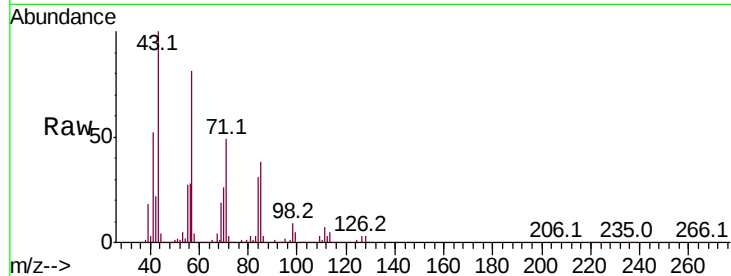
ClientSampleId :

Tot Ion:112 Resp: 831919

Ion Ratio Lower Upper

112 100

114 16.1 25.2 37.8#



#66

1,1,1,2-Tetrachloroethane

Concen: 224.553 ug/l

RT: 11.91 min Scan# 1641

Delta R.T. 0.18 min

Lab File: VW007751.D

Acq: 20 Dec 2018 17:07

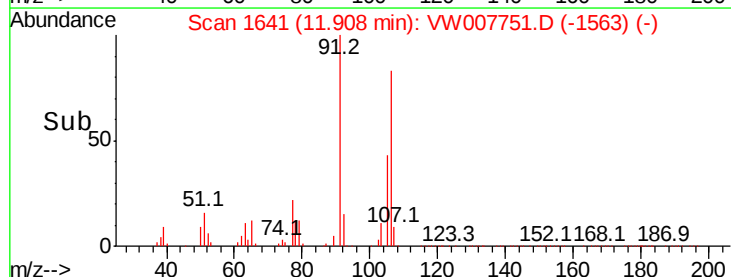
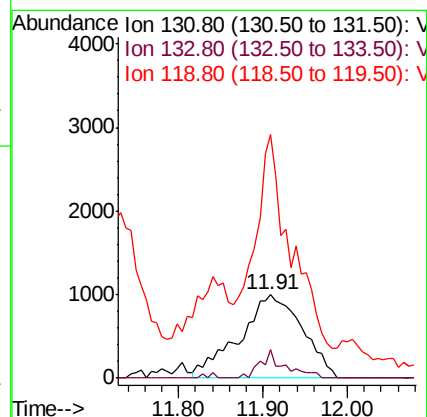
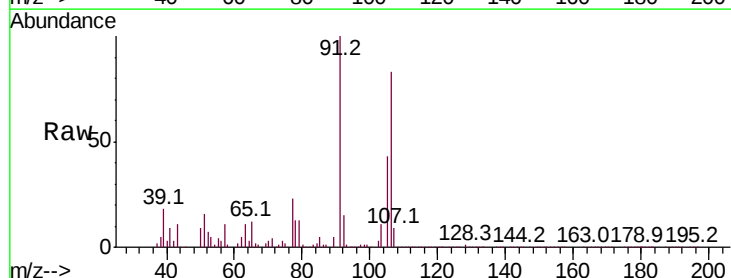
Tgt Ion:131 Resp: 5111

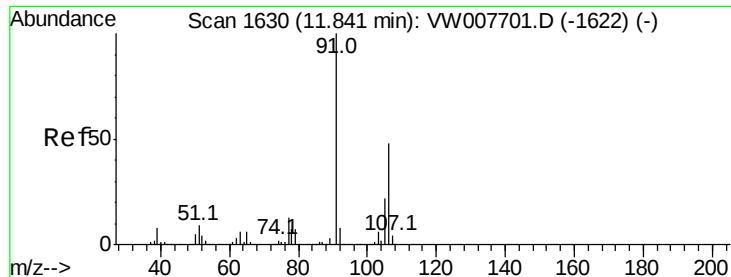
Ion Ratio Lower Upper

131 100

133 12.9 47.5 142.5#

119 143.7 30.2 90.6#

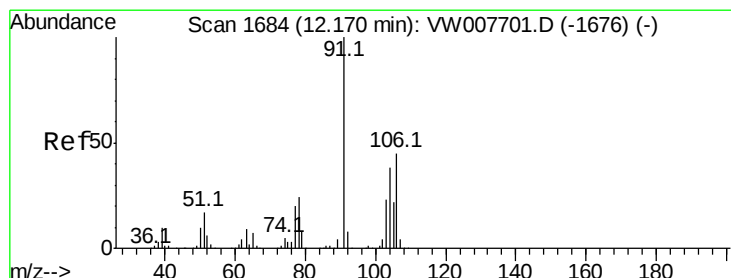
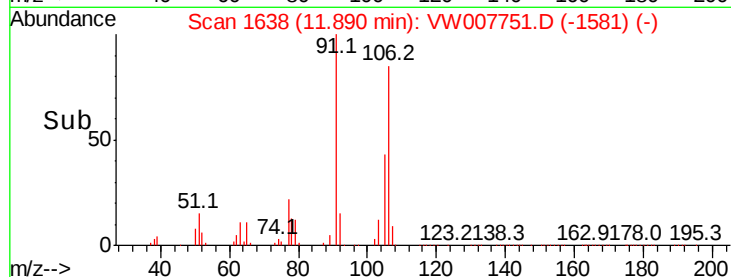
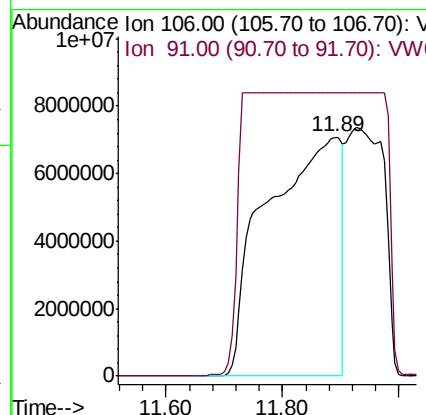
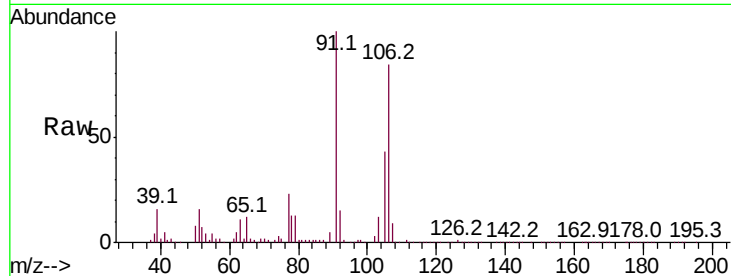




#68
m/p-Xylenes
Concen: 1464712.816 ug/l
RT: 11.89 min Scan# 1638
Delta R.T. 0.05 min
Lab File: VW007751.D
Acq: 20 Dec 2018 17:07

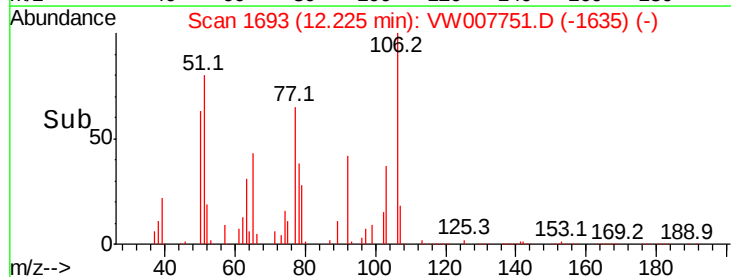
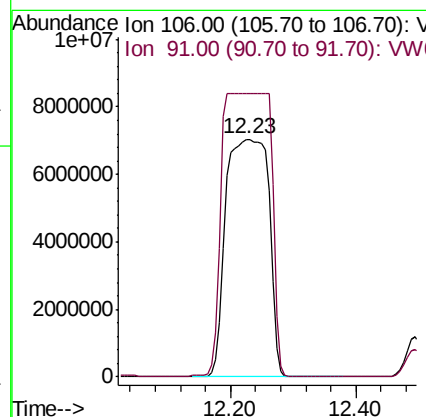
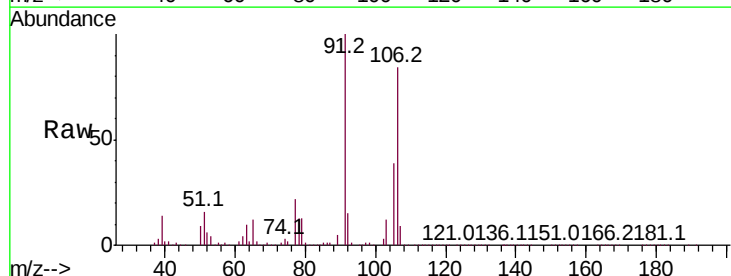
Instrument :
MSVOA_W
ClientSampleId :

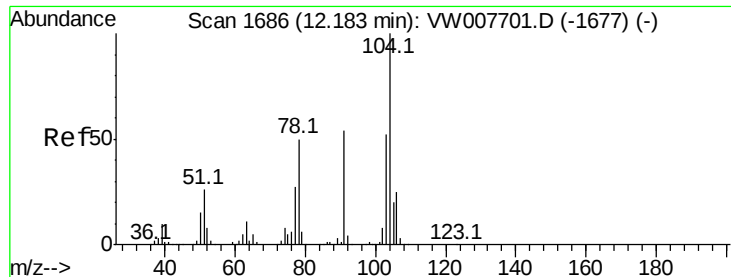
Tot Ion:106 Resp:62106622
Ion Ratio Lower Upper
106 100
91 0.0 165.2 247.8#



#69
o-Xylene
Concen: 830758.426 ug/l
RT: 12.23 min Scan# 1693
Delta R.T. 0.05 min
Lab File: VW007751.D
Acq: 20 Dec 2018 17:07

Tgt Ion:106 Resp:33019617
Ion Ratio Lower Upper
106 100
91 0.0 110.5 331.4#

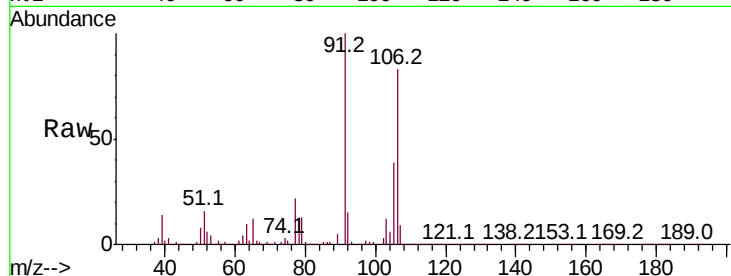




#70
Stvrene
Concen: 13613.616 ug/l
RT: 12.22 min Scan# 1692
Delta R.T. 0.04 min
Lab File: VW007751.D
Acq: 20 Dec 2018 17:07

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
104	100		
78	554.9	43.4	65.0#
103	0.0	44.5	66.7#

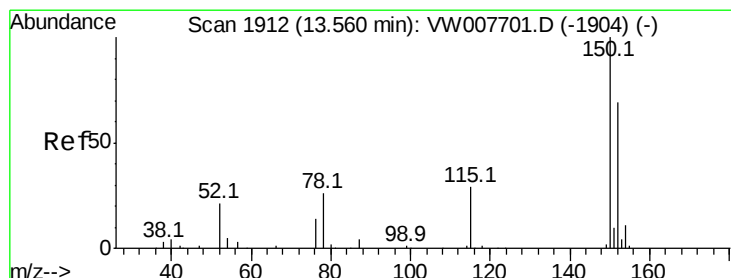
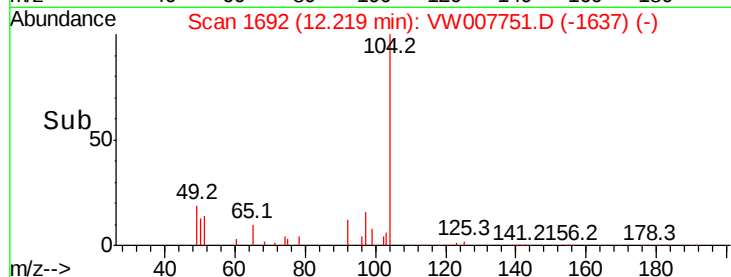
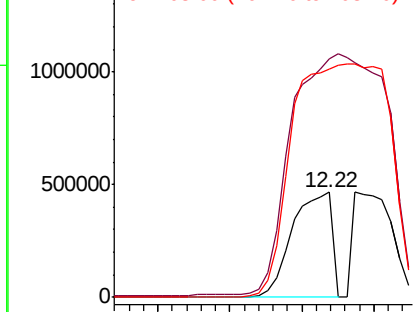


Abundance

Ion 104.00 (103.70 to 104.70): V

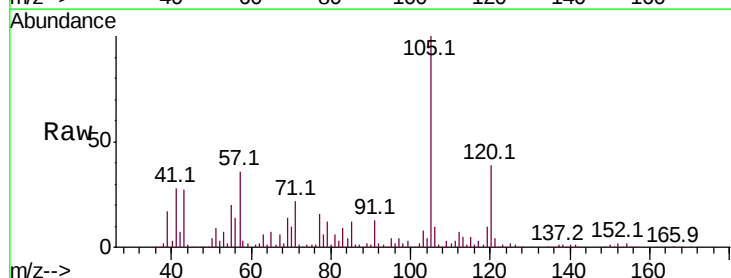
Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1914
Delta R.T. 0.01 min
Lab File: VW007751.D
Acq: 20 Dec 2018 17:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	0.0	31.8	95.4#
150	65.0	0.0	350.8

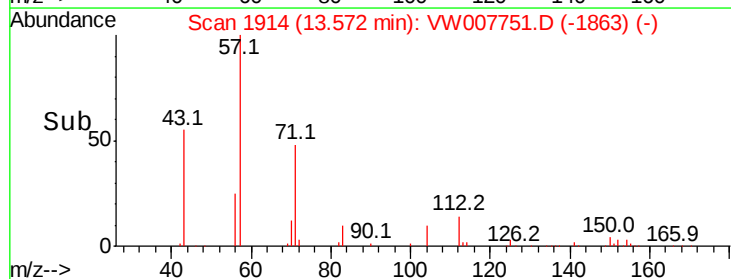
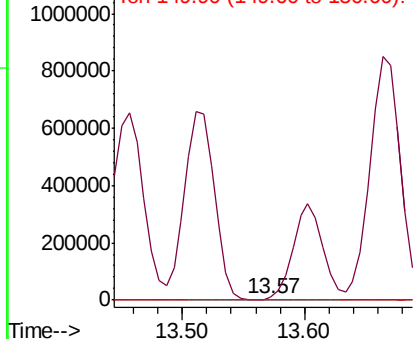


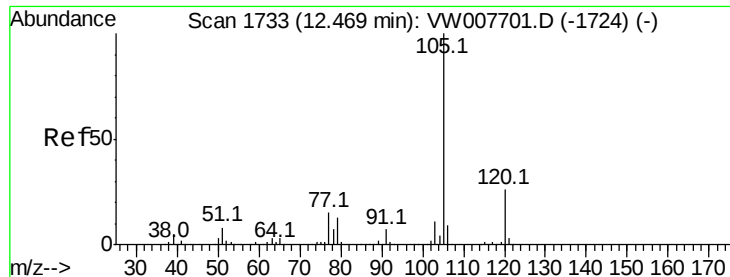
Abundance

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: 30799.935 ug/l

RT: 12.49 min Scan# 1736

Delta R.T. 0.02 min

Lab File: VW007751.D

Acq: 20 Dec 2018 17:07

Instrument :

MSVOA_W

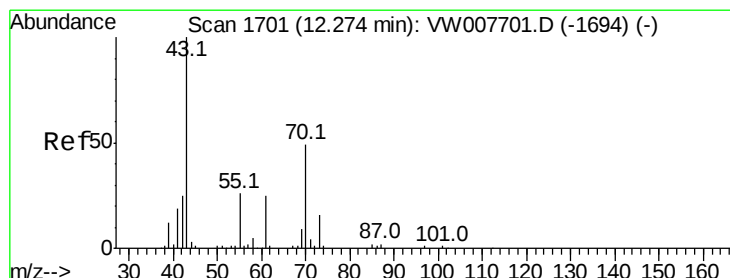
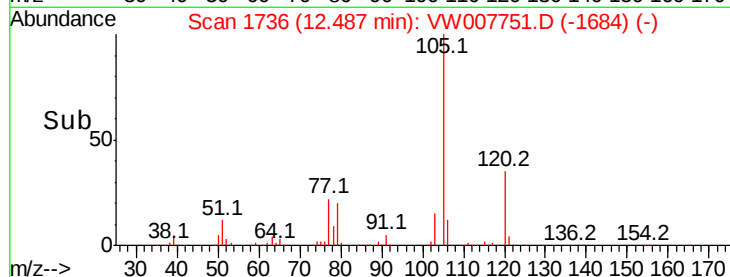
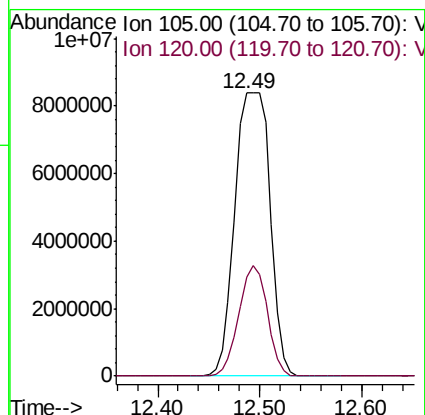
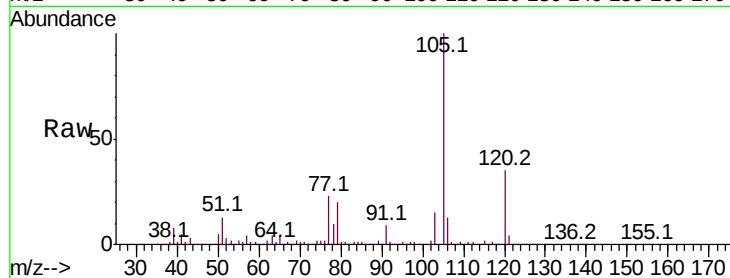
ClientSampleId :

Tot Ion:105 Resp:20117387

Ion Ratio Lower Upper

105 100

120 31.5 13.1 39.3



#74

N-ethyl acetate

Concen: 12033.374 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.01 min

Lab File: VW007751.D

Acq: 20 Dec 2018 17:07

Tgt Ion: 43 Resp: 1361425

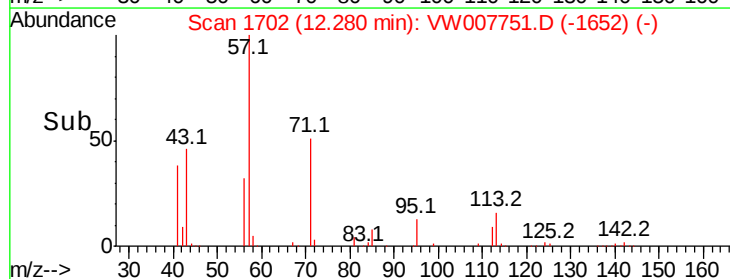
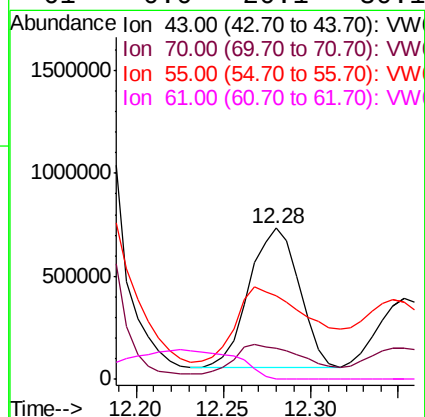
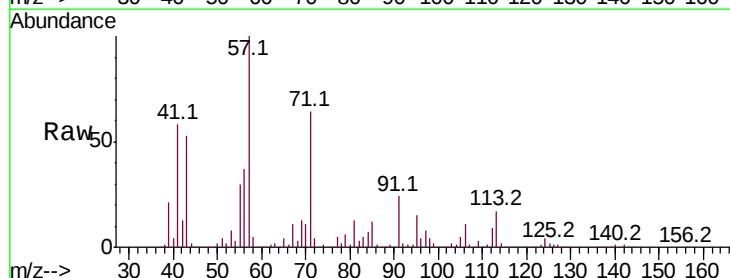
Ion Ratio Lower Upper

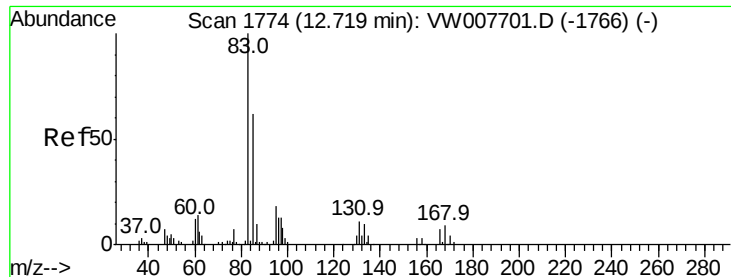
43 100

70 28.5 37.6 56.4#

55 77.3 21.7 32.5#

61 0.0 20.1 30.1#





#75

1,1,2,2-Tetrachloroethane

Concen: 1425.816 ug/l

RT: 12.69 min Scan# 1769

Delta R.T. -0.03 min

Lab File: VW007751.D

Acq: 20 Dec 2018 17:07

Instrument :

MSVOA_W

ClientSampleId :

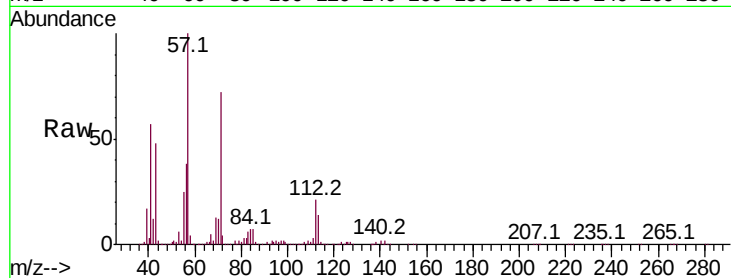
Tot Ion: 83 Resp: 139632

Ion Ratio Lower Upper

83 100

131 0.0 6.3 18.8#

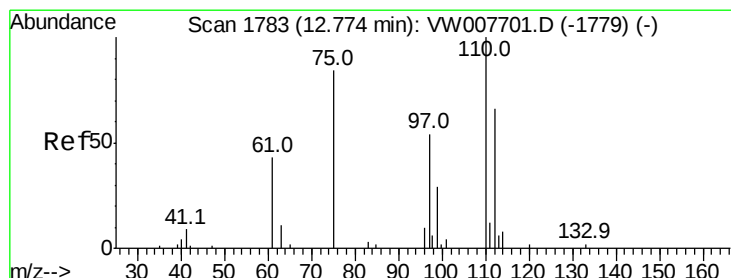
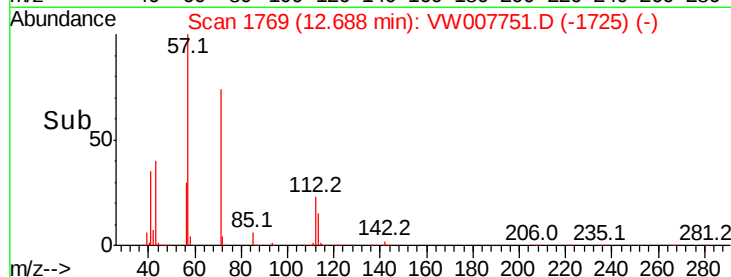
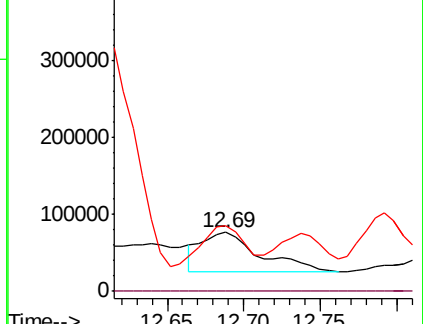
85 71.8 32.3 96.8



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: 3889.883 ug/l

RT: 12.83 min Scan# 1792

Delta R.T. 0.05 min

Lab File: VW007751.D

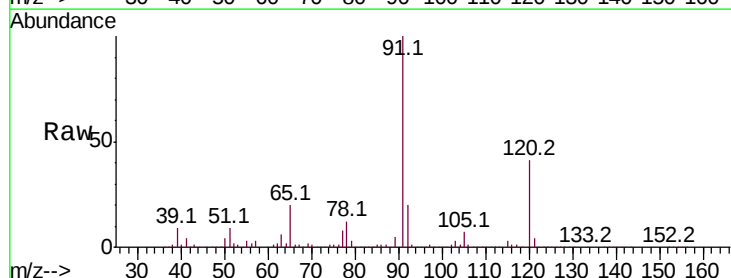
Acq: 20 Dec 2018 17:07

Tgt Ion: 75 Resp: 259793

Ion Ratio Lower Upper

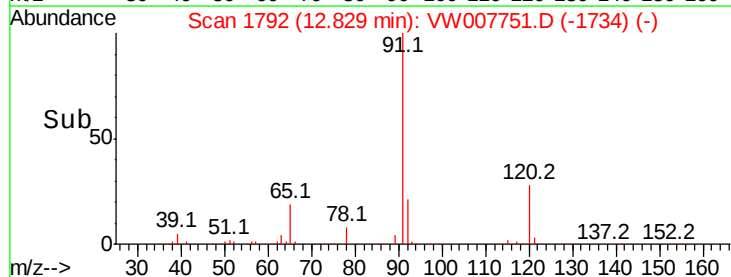
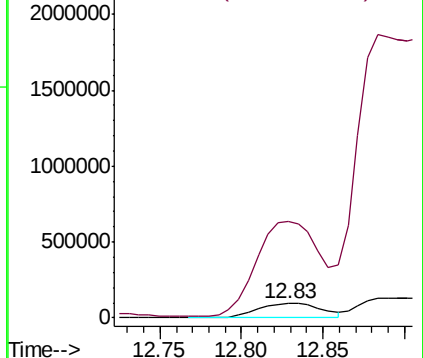
75 100

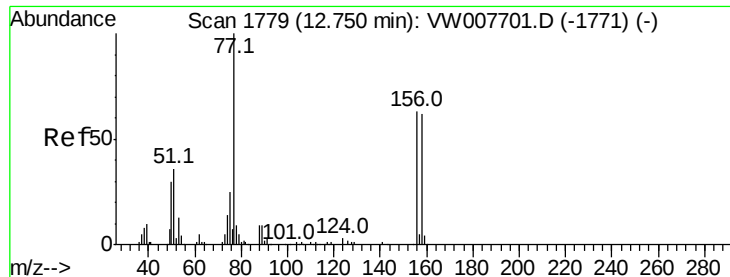
77 635.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 17.951 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW007751.D

Acq: 20 Dec 2018 17:07

Instrument :

MSVOA_W

ClientSampleId :

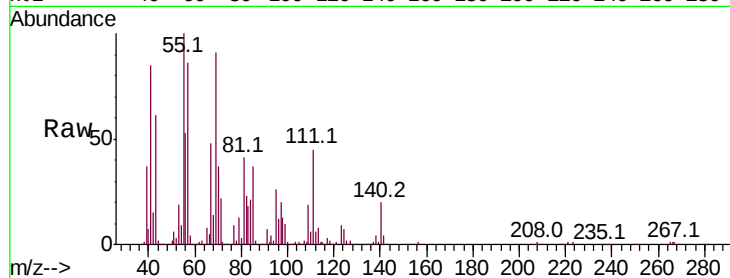
Tot Ion:156 Resp: 2687

Ion Ratio Lower Upper

156 100

77 0.0 87.4 262.1#

158 0.0 48.4 145.0#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V

800000

600000

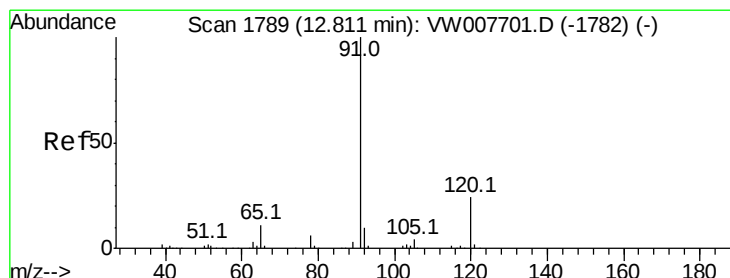
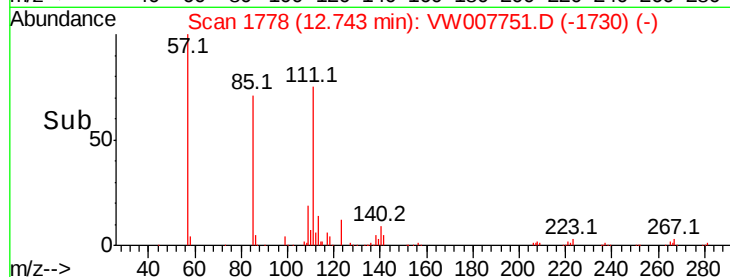
400000

200000

0

12.74

Time--> 12.65 12.70 12.75 12.80



#78

n-propylbenzene

Concen: 6305.537 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.08 min

Lab File: VW007751.D

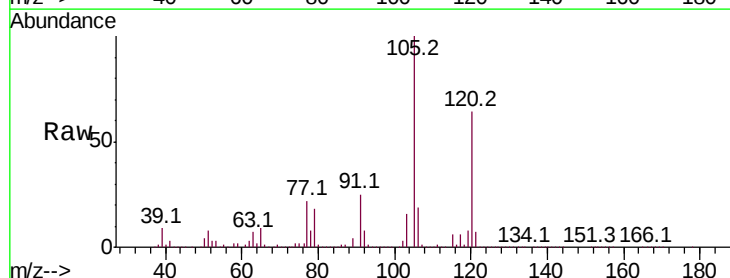
Acq: 20 Dec 2018 17:07

Tgt Ion: 91 Resp: 4794251

Ion Ratio Lower Upper

91 100

120 511.3 11.9 35.7#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

1e+07

8000000

6000000

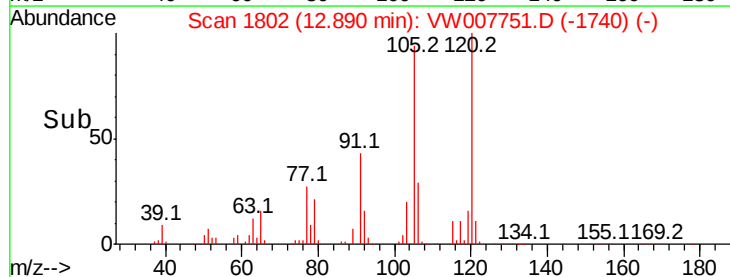
4000000

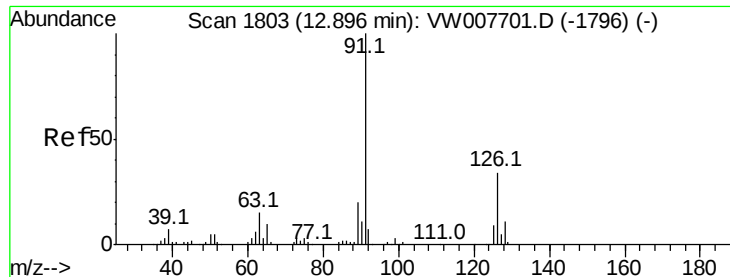
2000000

0

12.89

Time--> 12.85 12.90 12.95

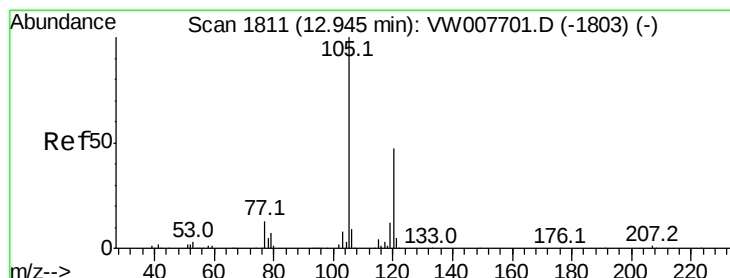
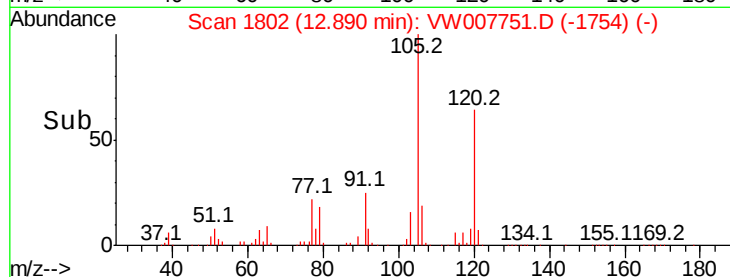
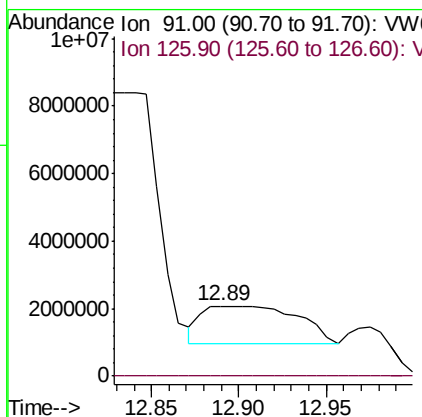
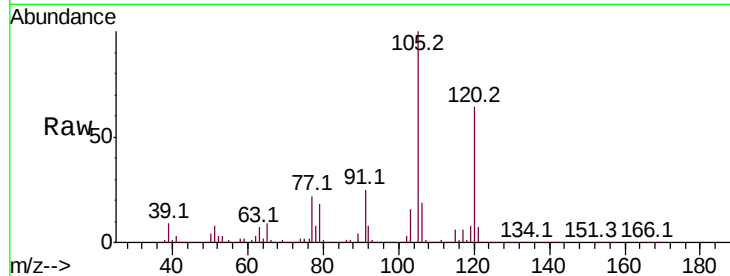




#79
 2-Chlorotoluene
 Concen: 9523.358 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.01 min
 Lab File: VW007751.D
 Acq: 20 Dec 2018 17:07

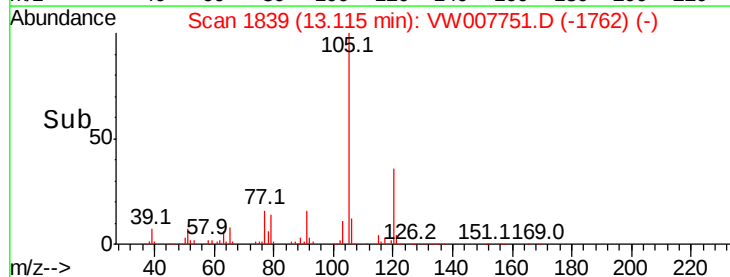
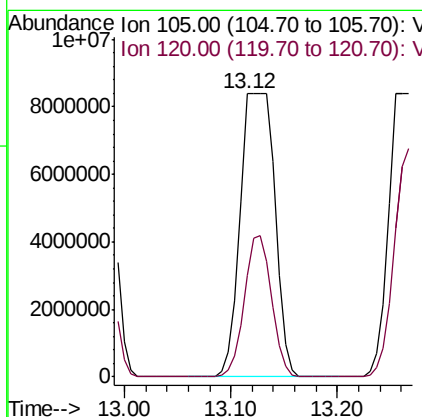
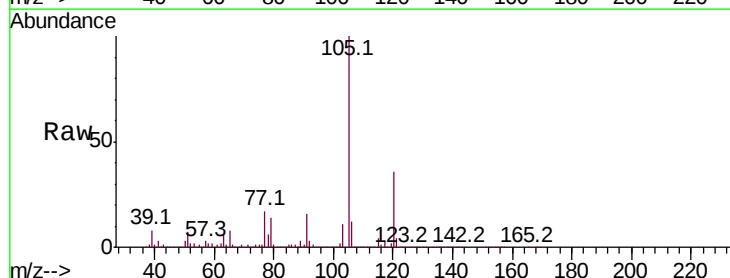
Instrument :
 MSVOA_W
 ClientSampleId :

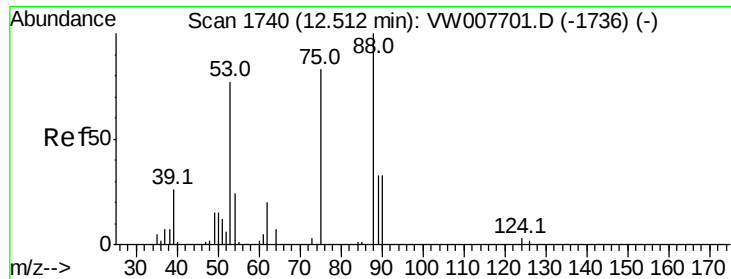
Tot Ion: 91 Resp: 4218136
 Ion Ratio Lower Upper
 91 100
 126 0.1 17.0 51.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 34087.751 ug/l
 RT: 13.12 min Scan# 1839
 Delta R.T. 0.17 min
 Lab File: VW007751.D
 Acq: 20 Dec 2018 17:07

Tgt Ion:105 Resp:19205050
 Ion Ratio Lower Upper
 105 100
 120 39.0 23.6 70.8

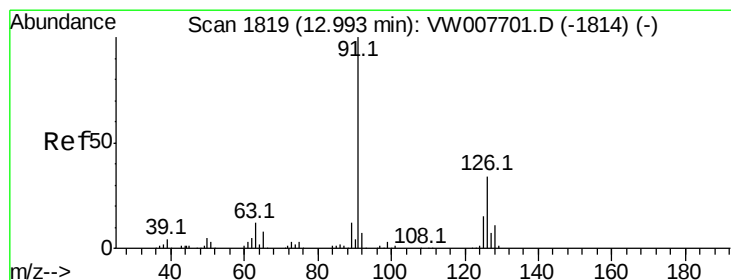
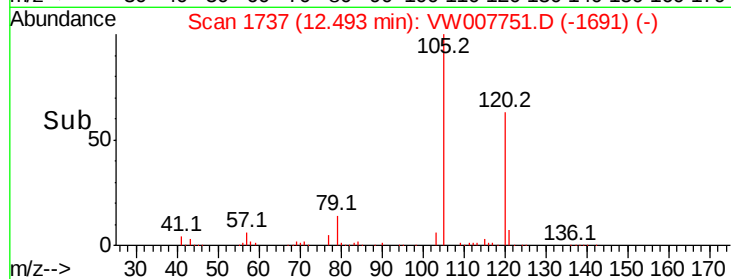
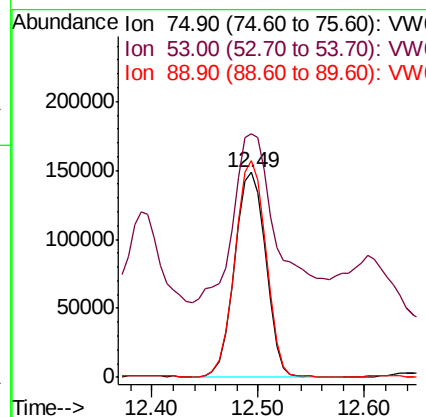
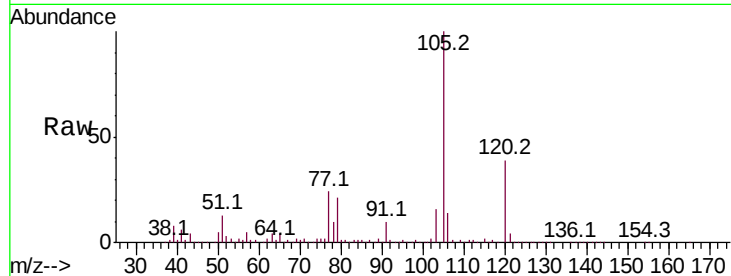




#81
 trans-1,4-Dichloro-2-butene
 Concen: 9591.038 ug/l
 RT: 12.49 min Scan# 1737
 Delta R.T. -0.02 min
 Lab File: VW007751.D
 Acq: 20 Dec 2018 17:07

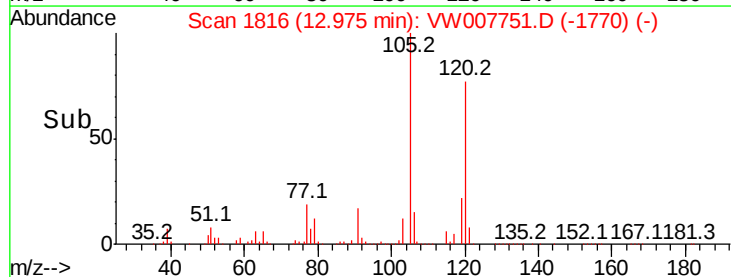
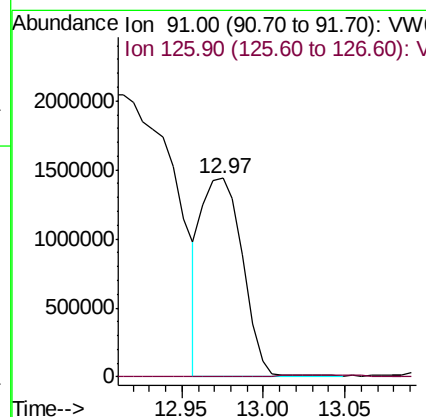
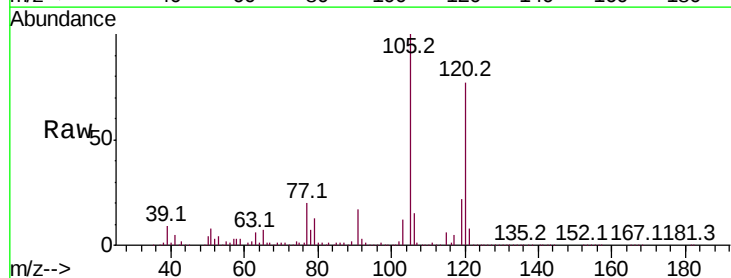
Instrument :
 MSVOA_W
 ClientSampled :

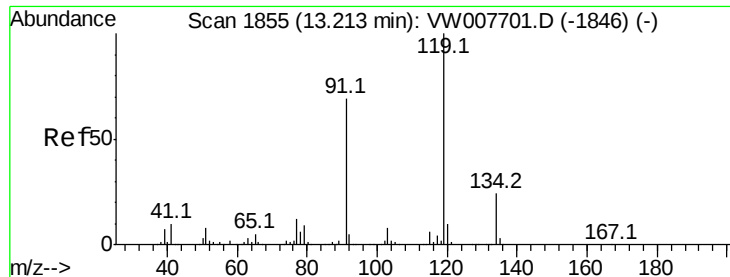
Tot Ion: 75 Resp: 305161
 Ion Ratio Lower Upper
 75 100
 53 115.5 80.2 120.2
 89 105.3 39.2 58.8#



#82
 4-Chlorotoluene
 Concen: 5247.526 ug/l
 RT: 12.97 min Scan# 1816
 Delta R.T. -0.02 min
 Lab File: VW007751.D
 Acq: 20 Dec 2018 17:07

Tgt Ion: 91 Resp: 2474792
 Ion Ratio Lower Upper
 91 100
 126 0.2 16.5 49.5#





#83

tert-Butylbenzene

Concen: 13153.416 ug/l

RT: 13.27 min Scan# 1865

Delta R.T. 0.06 min

Lab File: VW007751.D

Acq: 20 Dec 2018 17:07

Instrument :

MSVOA_W

ClientSampled :

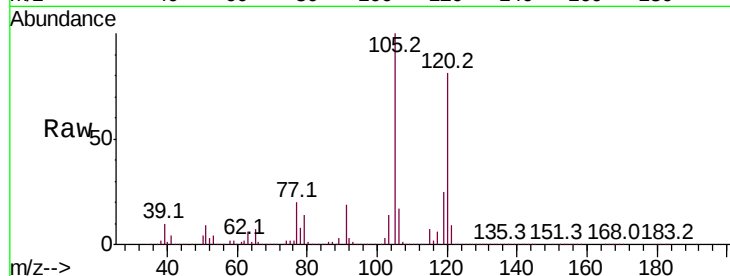
Tot Ion:119 Resp: 6502266

Ion Ratio Lower Upper

119 100

91 79.2 34.2 102.5

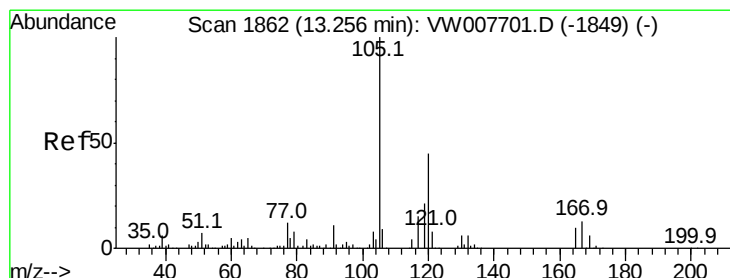
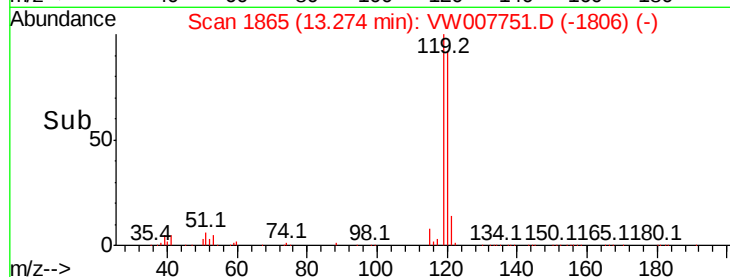
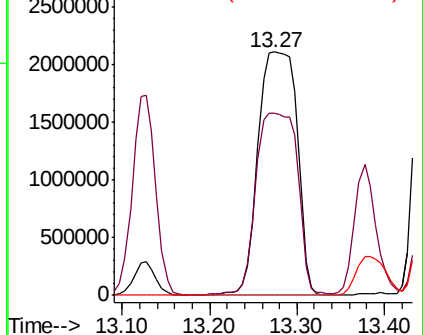
134 0.0 12.8 38.4#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 33781.833 ug/l

RT: 13.12 min Scan# 1839

Delta R.T. -0.14 min

Lab File: VW007751.D

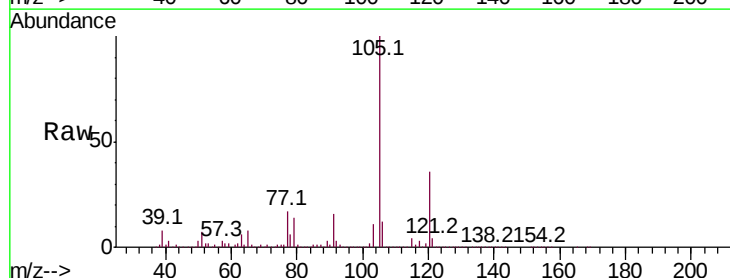
Acq: 20 Dec 2018 17:07

Tgt Ion:105 Resp:19205050

Ion Ratio Lower Upper

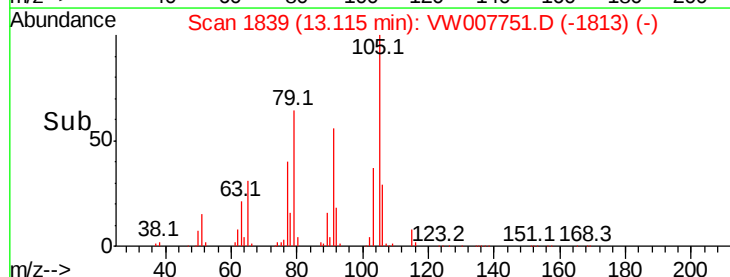
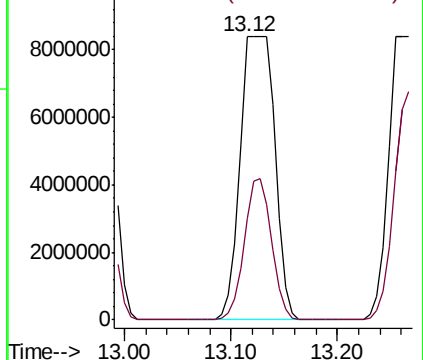
105 100

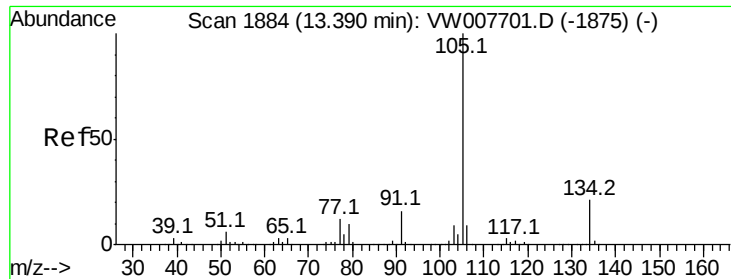
120 39.0 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 2589.864 ug/l

RT: 13.40 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VW007751.D

Acq: 20 Dec 2018 17:07

Instrument :

MSVOA_W

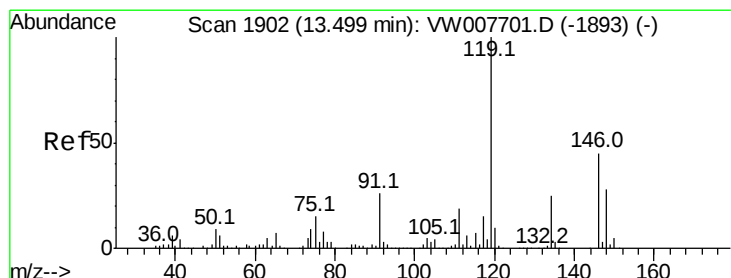
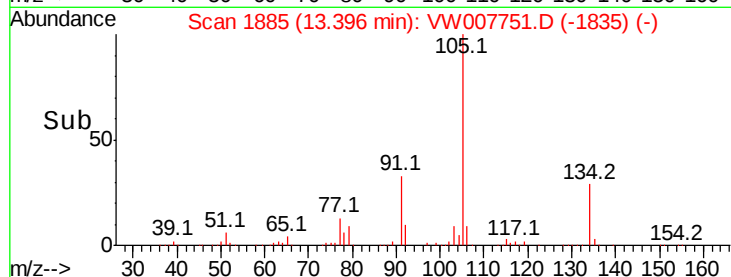
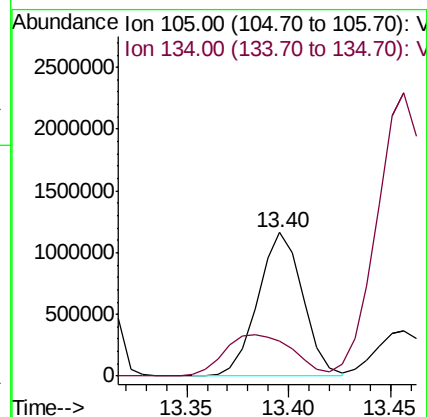
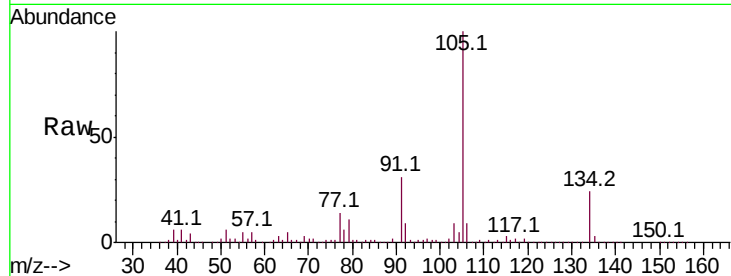
ClientSampleId :

Tot Ion:105 Resp: 1764450

Ion Ratio Lower Upper

105 100

134 44.9 10.2 30.4#



#86

p-Isopropyltoluene

Concen: 21428.008 ug/l

RT: 13.51 min Scan# 1904

Delta R.T. 0.01 min

Lab File: VW007751.D

Acq: 20 Dec 2018 17:07

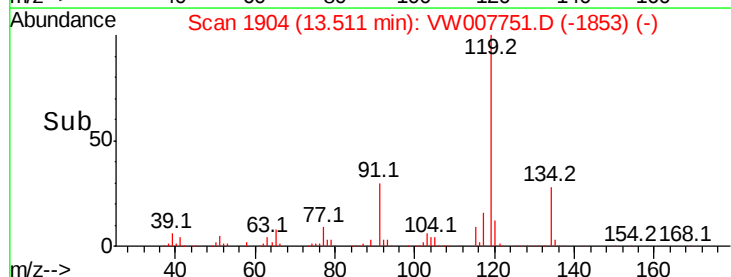
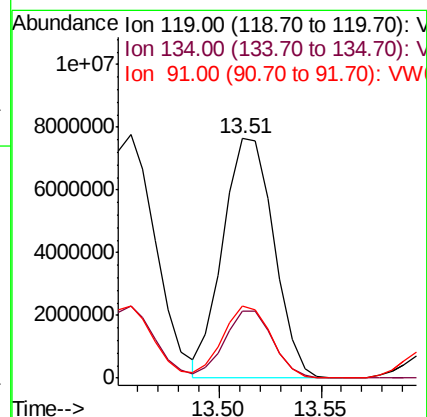
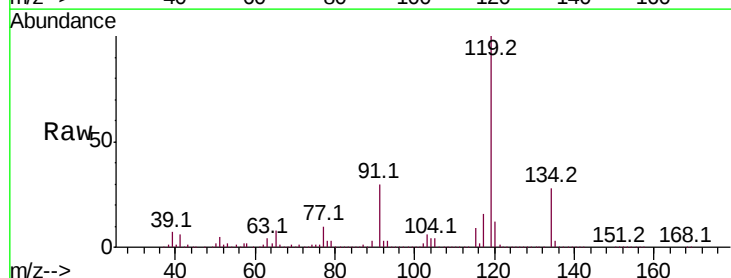
Tgt Ion:119 Resp:13274802

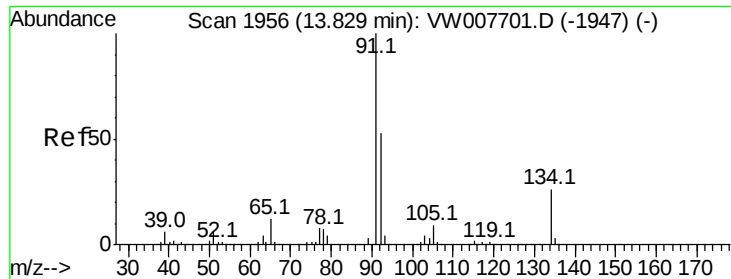
Ion Ratio Lower Upper

119 100

134 26.5 13.0 39.0

91 28.5 12.8 38.4

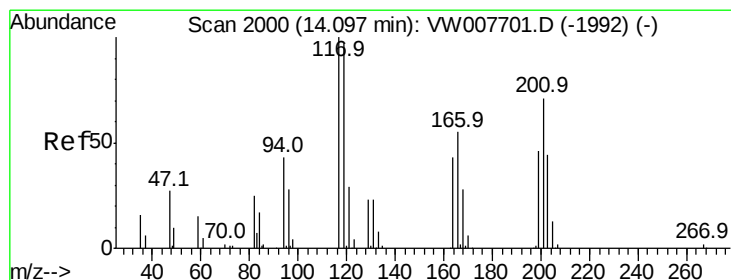
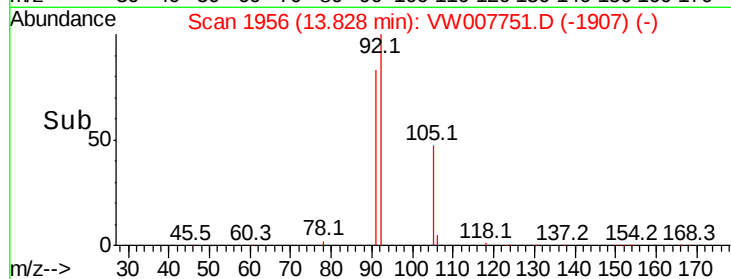
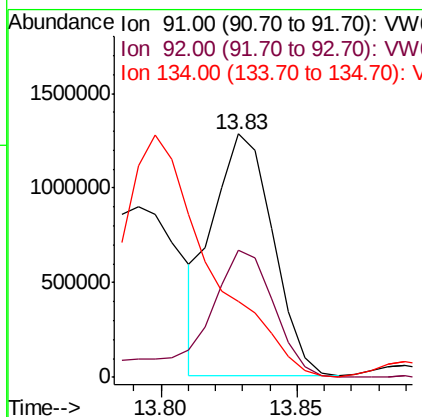
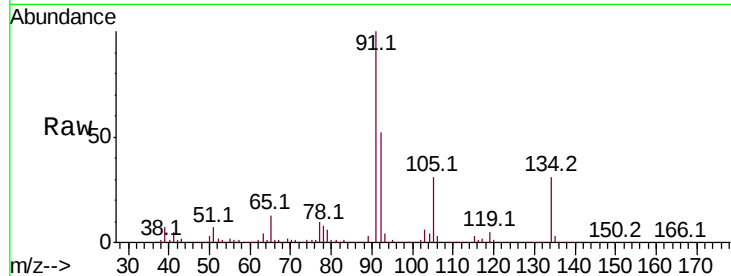




#89
n-Butylbenzene
Concen: 3450.938 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007751.D
Acq: 20 Dec 2018 17:07

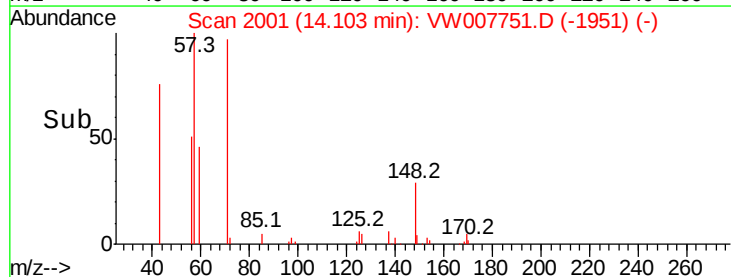
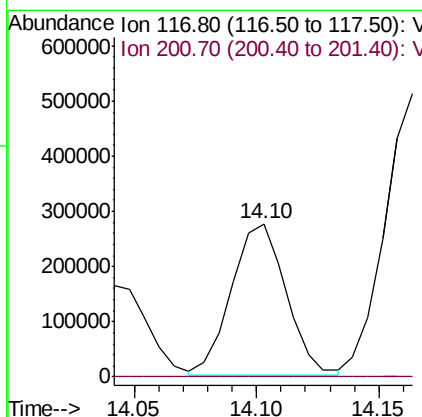
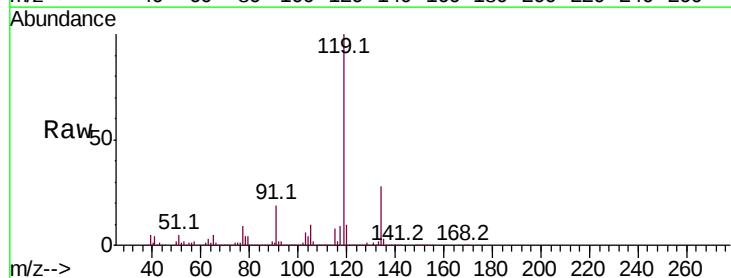
Instrument :
MSVOA_W
ClientSampled :

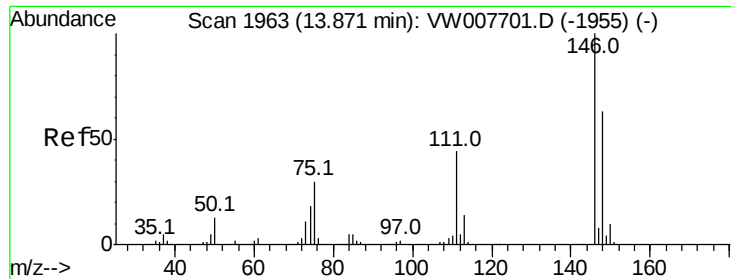
Tot Ion: 91 Resp: 1960171
Ion Ratio Lower Upper
91 100
92 57.1 26.4 79.2
134 0.0 13.7 41.0#



#90
Hexachloroethane
Concen: 3912.948 ug/l
RT: 14.10 min Scan# 2001
Delta R.T. 0.01 min
Lab File: VW007751.D
Acq: 20 Dec 2018 17:07

Tgt Ion: 117 Resp: 425577
Ion Ratio Lower Upper
117 100
201 0.0 36.2 108.6#

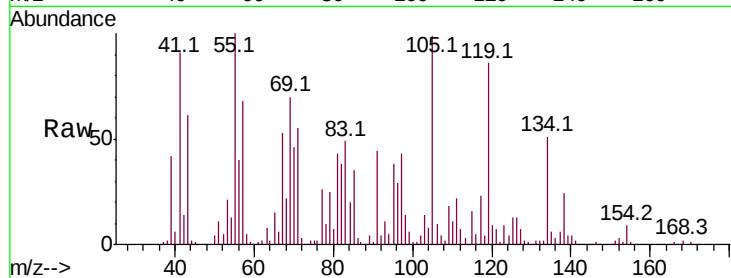




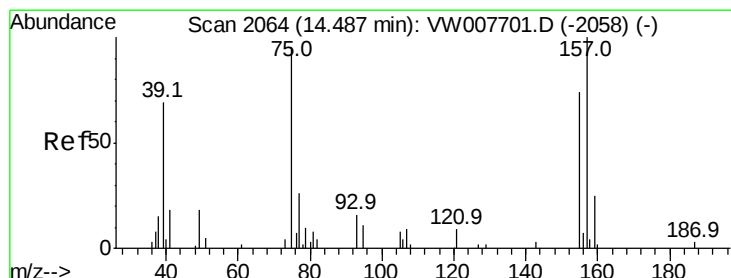
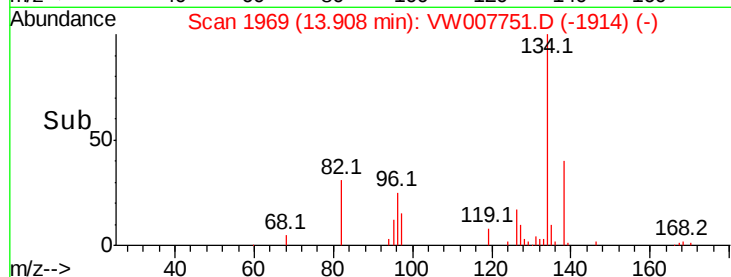
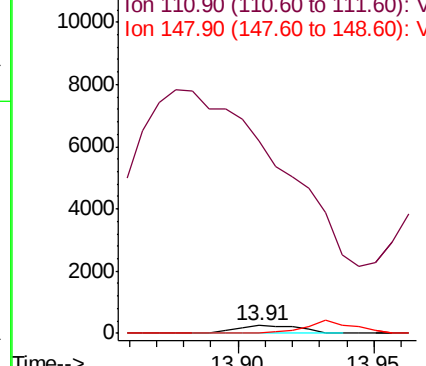
#91
1,2-Dichlorobenzene
Concen: 1.511 ug/l
RT: 13.91 min Scan# 1969
Delta R.T. 0.04 min
Lab File: VW007751.D
Acq: 20 Dec 2018 17:07

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:146 Resp: 402
Ion Ratio Lower Upper
146 100
111 0.0 21.7 65.1#
148 0.0 32.1 96.5#

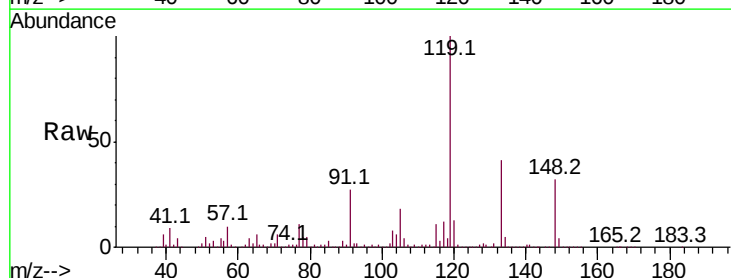


Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

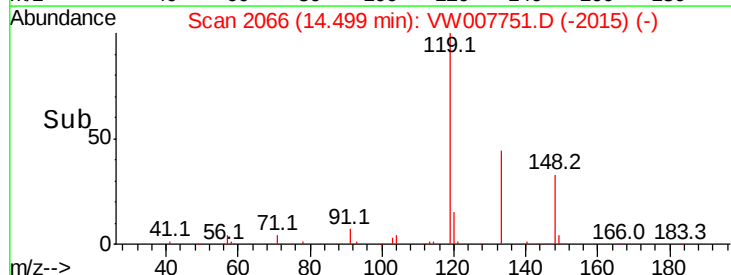
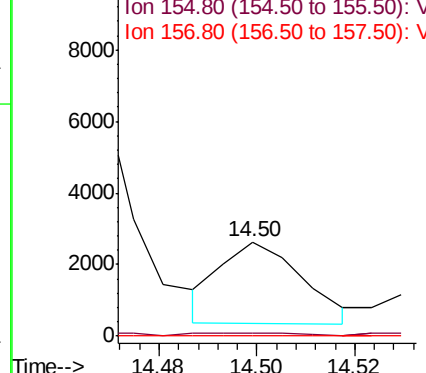


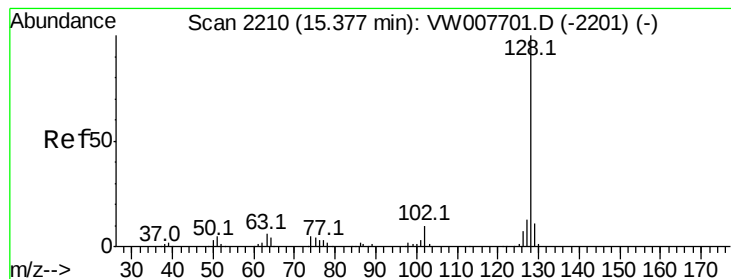
#92
1,2-Dibromo-3-Chloropropane
Concen: 130.771 ug/l
RT: 14.50 min Scan# 2066
Delta R.T. 0.01 min
Lab File: VW007751.D
Acq: 20 Dec 2018 17:07

Tgt Ion: 75 Resp: 2630
Ion Ratio Lower Upper
75 100
155 4.8 39.4 118.1#
157 0.0 52.0 156.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





#95
 Naphthalene
 Concen: 3424.392 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. -0.01 min
 Lab File: VW007751.D
 Acq: 20 Dec 2018 17:07

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:128 Resp: 1169436

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	11.0	8.8	13.2

