

Data File : VW008775.D
Acq On : 21 Feb 2019 17:43
Operator : SY/VA
Sample : K1537-01RE
Misc : 9.56G/5ML/MSVOA_W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DRUM-1-2

Quant Time: Feb 22 00:48:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	16556	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	23289	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	16607	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	2872	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	8617	55.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.98%	
35) Dibromofluoromethane	7.88	113	7711	55.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.30%	
50) Toluene-d8	10.32	98	25684	47.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.16%	
62) 4-Bromofluorobenzene	12.62	95	5501	26.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	52.06%	

Target Compounds

						Qvalue
3) Chloromethane	2.21	50	818	4.053	ug/l #	77
6) Chloroethane	2.92	64	441	2.906	ug/l #	43
8) Diethyl Ether	3.68	74	575	6.719	ug/l	69
10) Methyl Iodide	4.29	142	432	2.105	ug/l #	57
11) Tert butyl alcohol	5.16	59	30	2.170	ug/l #	70
13) Acrolein	3.87	56	85	25.148	ug/l #	75
14) Allyl chloride	4.66	41	396	1.583	ug/l #	44
15) Acrylonitrile	5.37	53	177	4.820	ug/l #	48
16) Acetone	4.10	43	626	17.392	ug/l #	65
18) Methyl Acetate	4.66	43	136	1.593	ug/l #	90
20) Methylene Chloride	4.93	84	2126	7.665	ug/l #	61
25) 2-Butanone	7.16	43	200	3.975	ug/l #	51
28) Bromochloromethane	7.50	49	207	1.710	ug/l #	13
31) Cyclohexane	7.95	56	899	3.071	ug/l #	47
38) Carbon Tetrachloride	7.95	117	1947	8.144	ug/l #	12
41) Methacrylonitrile	7.48	41	141	2.275	ug/l #	28
43) Isopropyl Acetate	8.41	43	229	1.088	ug/l #	59
48) Methyl methacrylate	9.43	41	146	1.449	ug/l #	21
49) 1,4-Dioxane	9.54	88	26	19.083	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	204	1.910	ug/l #	54
52) Toluene	10.38	92	1221	2.907	ug/l	86
55) 1,1,2-Trichloroethane	10.77	97	147	1.274	ug/l #	54
56) Ethyl methacrylate	10.65	69	165	1.101	ug/l #	26
59) 2-Hexanone	10.98	43	79	1.039	ug/l	67
60) Dibromochloromethane	11.15	129	189	1.343	ug/l	57
68) m/p-Xylenes	11.84	106	312	1.251	ug/l #	16
73) Isopropylbenzene	12.48	105	289	1.468	ug/l	97
74) N-amyl acetate	12.28	43	178	3.589	ug/l #	21
75) 1,1,2,2-Tetrachloroethane	12.71	83	150	4.663	ug/l #	15
76) 1,2,3-Trichloropropane	12.77	75	255	10.754	ug/l #	100
77) Bromobenzene	12.88	156	6023	129.453	ug/l #	1
79) 2-Chlorotoluene	12.90	91	584	4.271	ug/l #	67
80) 1,3,5-Trimethylbenzene	12.94	105	336	1.964	ug/l	69
81) trans-1,4-Dichloro-2-buten	12.45	75	149	15.276	ug/l #	38

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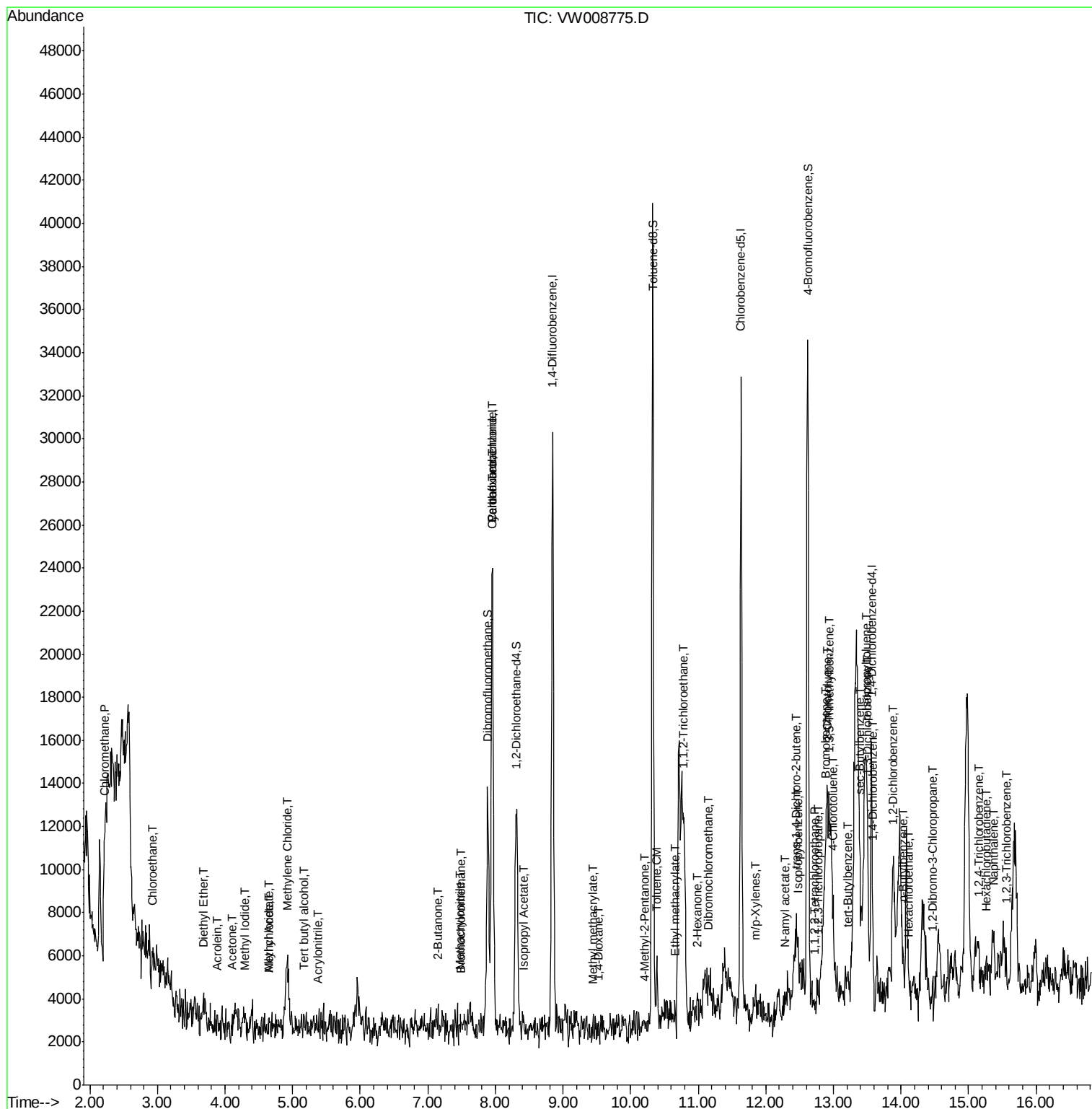
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	13.00	91	597	4.143	ug/l #	40
83) tert-Butylbenzene	13.21	119	194	1.311	ug/l #	1
85) sec-Butylbenzene	13.39	105	426	2.003	ug/l #	77
86) p-Isopropyltoluene	13.49	119	301	1.543	ug/l #	50
87) 1,3-Dichlorobenzene	13.51	146	512	5.304	ug/l #	65
88) 1,4-Dichlorobenzene	13.58	146	507	5.329	ug/l #	62
89) n-Butylbenzene	14.02	91	193	1.056	ug/l	74
90) Hexachloroethane	14.12	117	32	1.002	ug/l #	9
91) 1,2-Dichlorobenzene	13.87	146	463	5.383	ug/l #	40
92) 1,2-Dibromo-3-Chloropropan	14.46	75	45	7.733	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.14	180	222	3.582	ug/l #	77
94) Hexachlorobutadiene	15.26	225	125	3.424	ug/l	81
95) Naphthalene	15.38	128	979	9.278	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.56	180	359	6.700	ug/l #	43

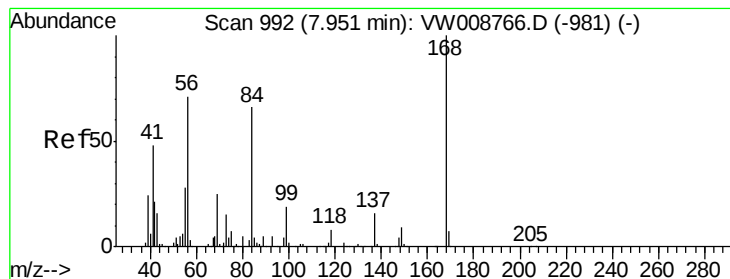
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

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Acq: 21 Feb 2019 17:43

Instrument :

MSVOA_W

ClientSampleId :

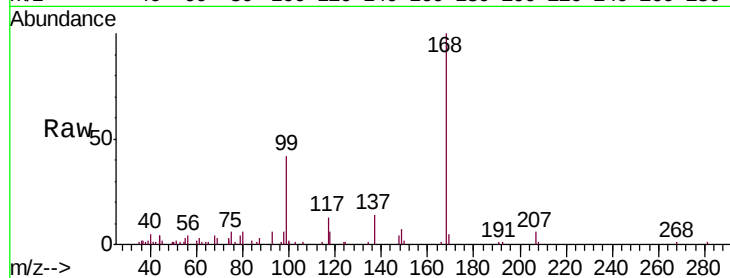
DRUM-1-2

Tgt Ion:168 Resp: 16556

Ion Ratio Lower Upper

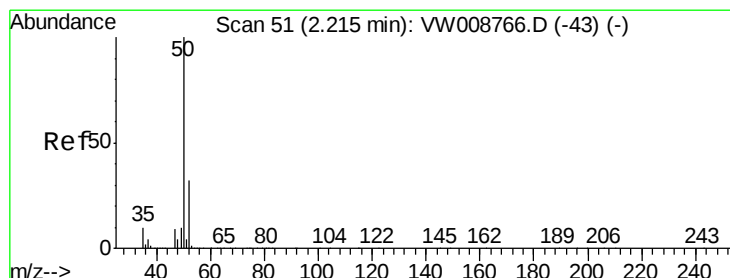
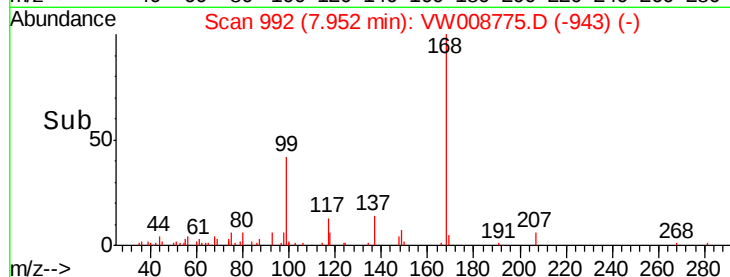
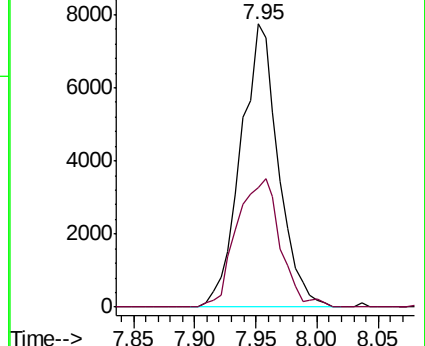
168 100

99 42.1 42.2 63.2#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#3

Chloromethane

Concen: 4.053 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008775.D

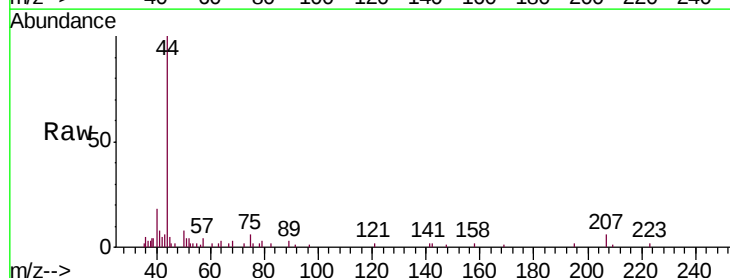
Acq: 21 Feb 2019 17:43

Tgt Ion: 50 Resp: 818

Ion Ratio Lower Upper

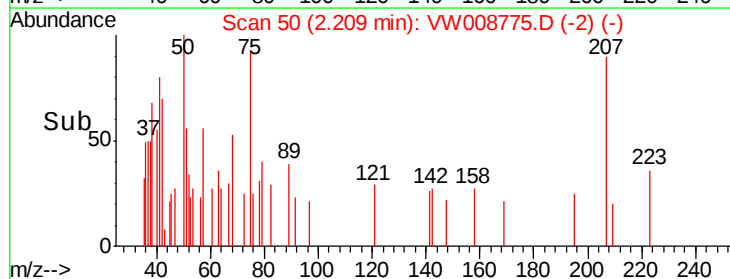
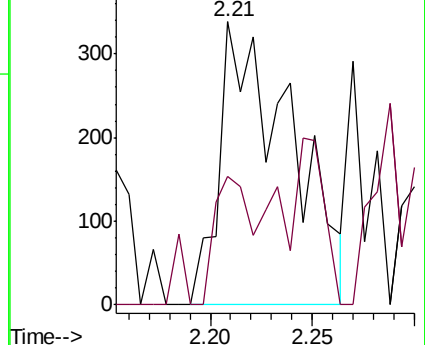
50 100

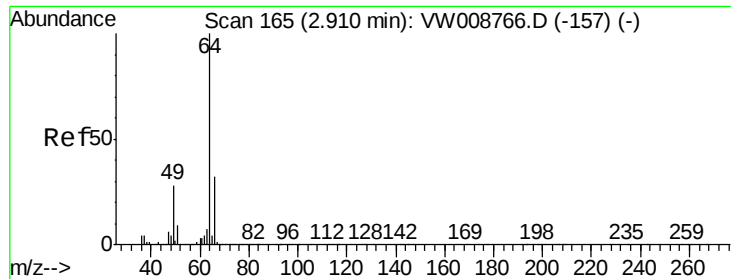
52 45.6 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW





#6

Chloroethane

Concen: 2.906 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.01 min

Lab File: VW008775.D

Acq: 21 Feb 2019 17:43

Instrument :

MSVOA_W

ClientSampleId :

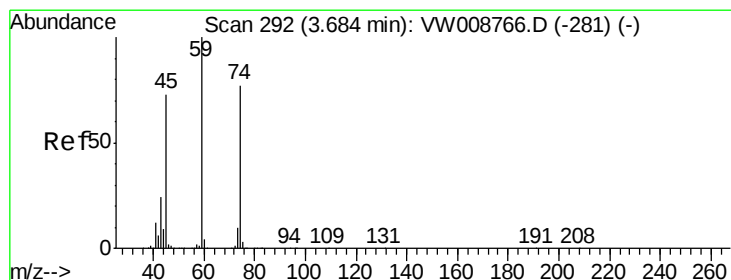
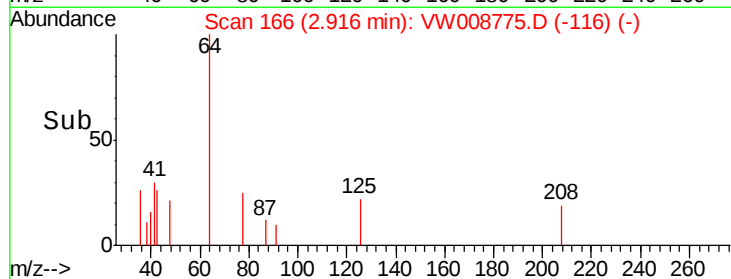
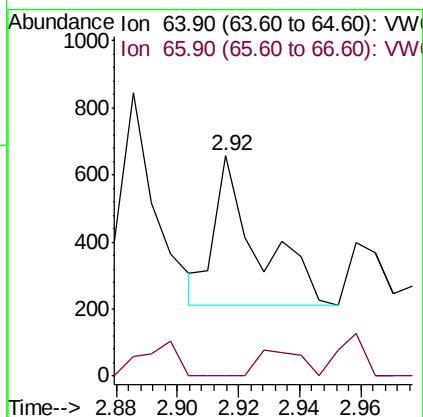
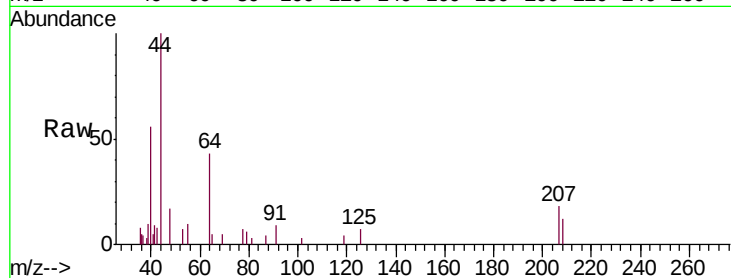
DRUM-1-2

Tgt Ion: 64 Resp: 441

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



#8

Diethyl Ether

Concen: 6.719 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.00 min

Lab File: VW008775.D

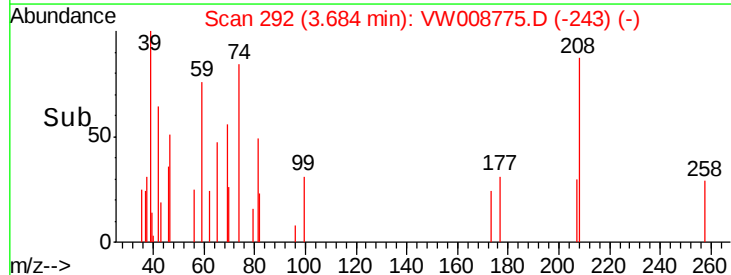
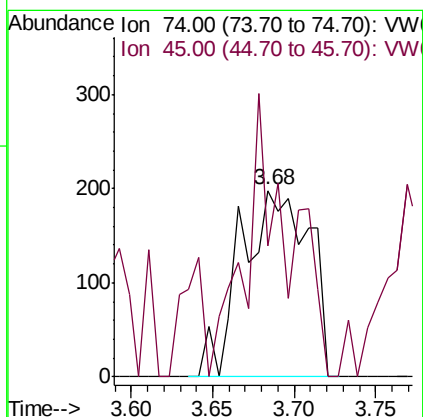
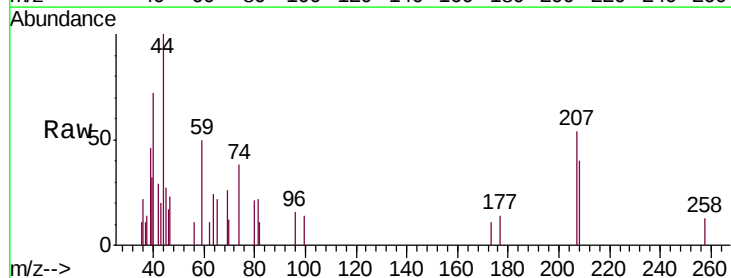
Acq: 21 Feb 2019 17:43

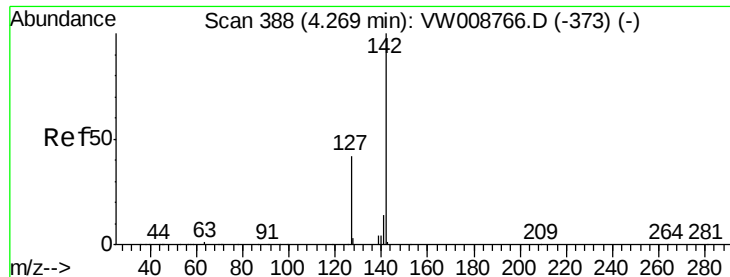
Tgt Ion: 74 Resp: 575

Ion Ratio Lower Upper

74 100

45 68.9 50.2 150.6

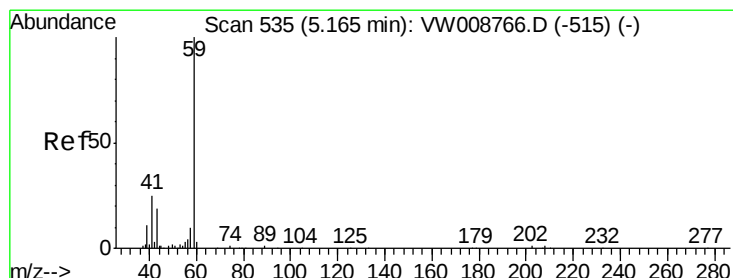
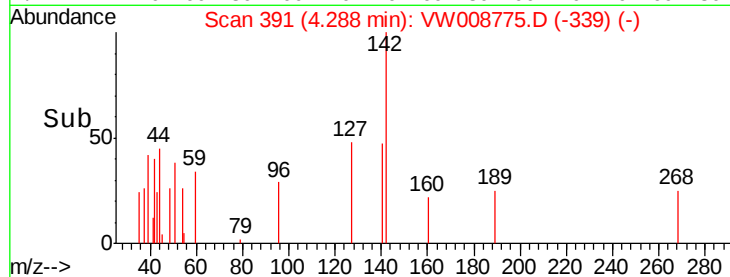
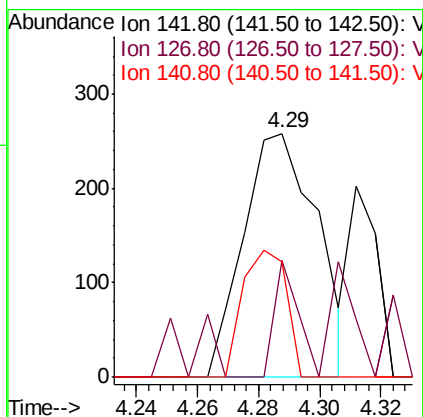
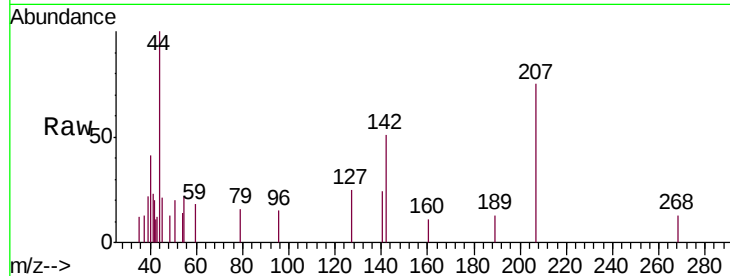




#10
Methyl Iodide
Concen: 2.105 ug/l
RT: 4.29 min Scan# 391
Delta R.T. 0.02 min
Lab File: VW008775.D
Acq: 21 Feb 2019 17:43

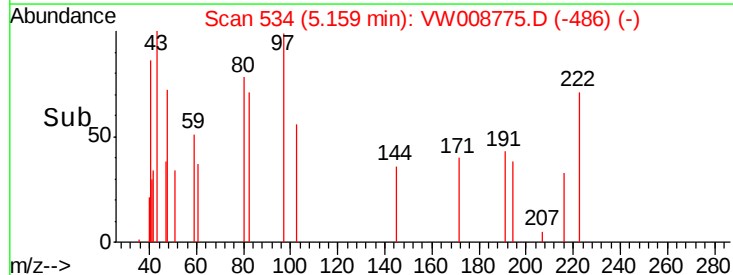
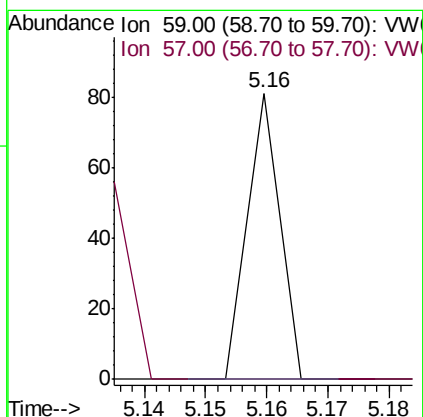
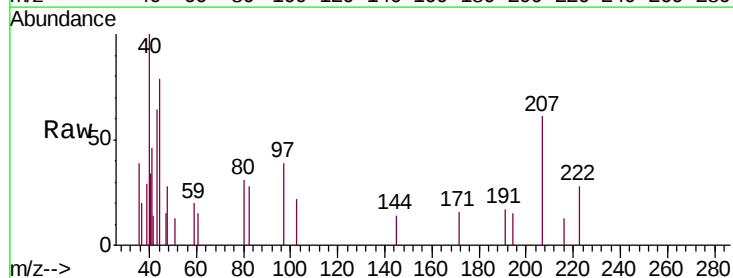
Instrument :
MSVOA_W
ClientSampled :
DRUM-1-2

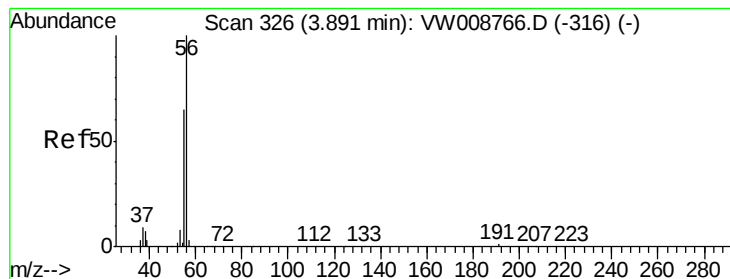
Tgt Ion: 142 Resp: 432
Ion Ratio Lower Upper
142 100
127 15.5 35.3 52.9#
141 30.6 11.7 17.5#



#11
Tert butyl alcohol
Concen: 2.170 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.01 min
Lab File: VW008775.D
Acq: 21 Feb 2019 17:43

Tgt Ion: 59 Resp: 30
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#





#13

Acrolein

Concen: 25.148 ug/l

RT: 3.87 min Scan# 323

Delta R.T. -0.02 min

Lab File: VW008775.D

Acq: 21 Feb 2019 17:43

Instrument :

MSVOA_W

ClientSampled :

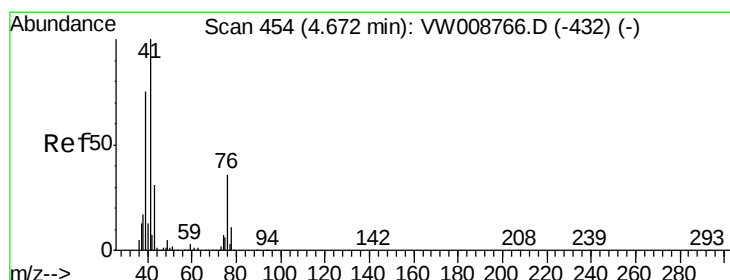
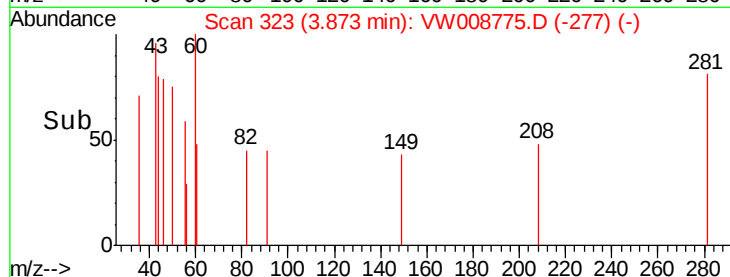
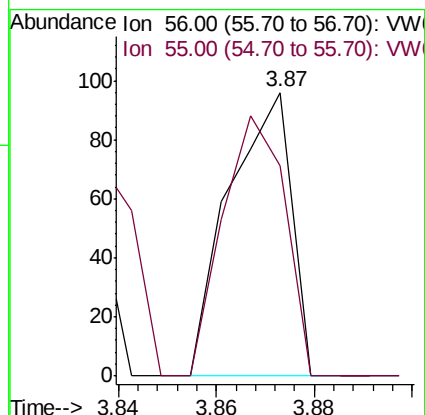
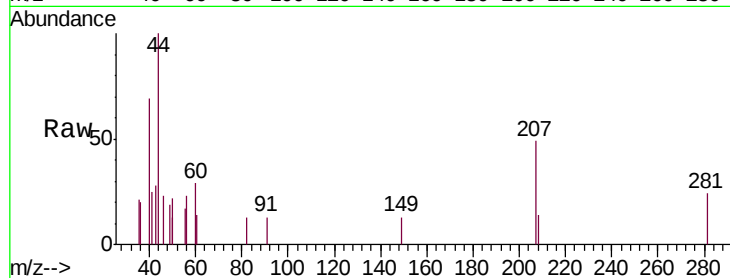
DRUM-1-2

Tgt Ion: 56 Resp: 85

Ion Ratio Lower Upper

56 100

55 91.8 56.9 85.3#



#14

Allyl chloride

Concen: 1.583 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW008775.D

Acq: 21 Feb 2019 17:43

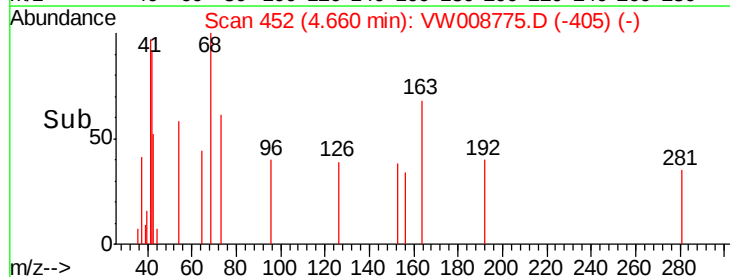
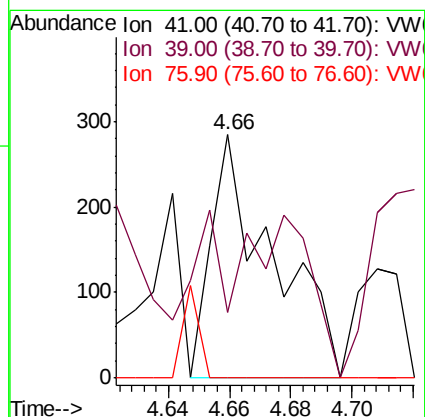
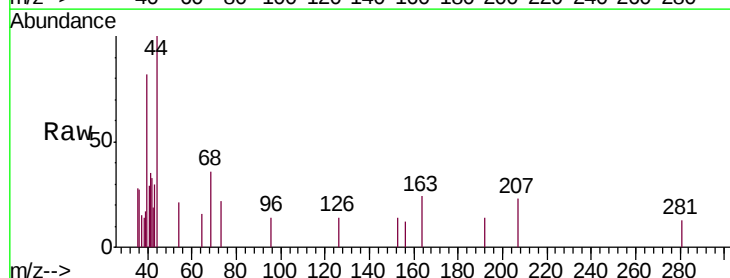
Tgt Ion: 41 Resp: 396

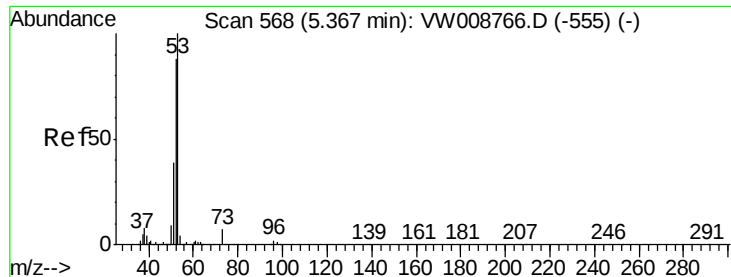
Ion Ratio Lower Upper

41 100

39 23.0 60.6 91.0#

76 10.1 28.6 42.8#





#15

Acrylonitrile

Concen: 4.820 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

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Acq: 21 Feb 2019 17:43

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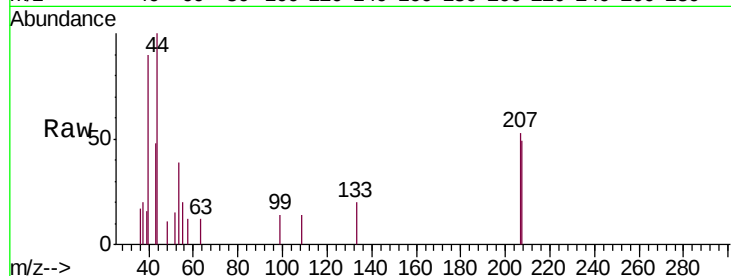
Tgt Ion: 53 Resp: 177

Ion Ratio Lower Upper

53 100

52 29.9 67.2 100.8#

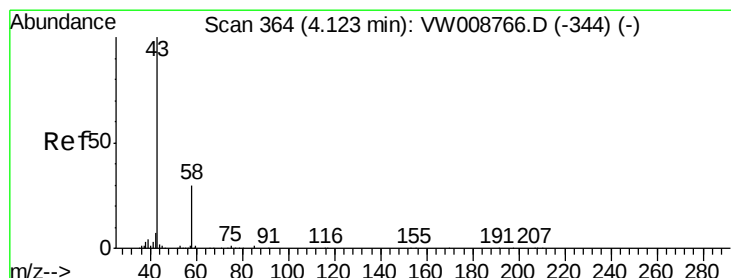
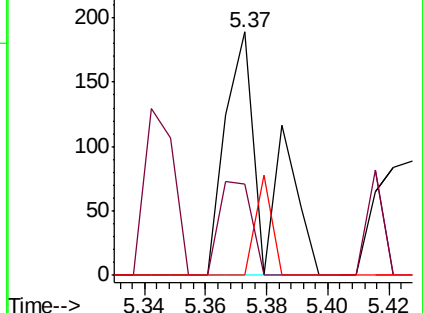
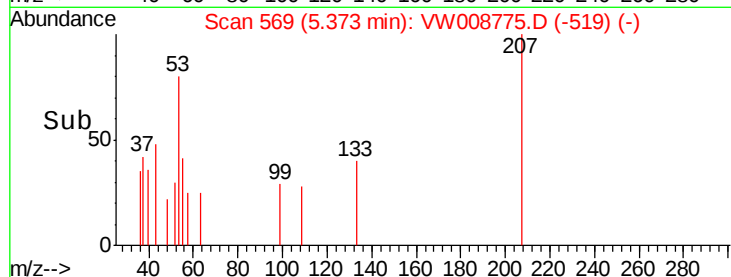
51 16.4 31.1 46.7#



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 17.392 ug/l

RT: 4.10 min Scan# 361

Delta R.T. -0.02 min

Lab File: VW008775.D

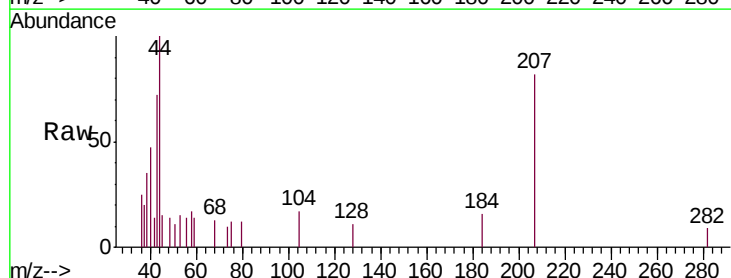
Acq: 21 Feb 2019 17:43

Tgt Ion: 43 Resp: 626

Ion Ratio Lower Upper

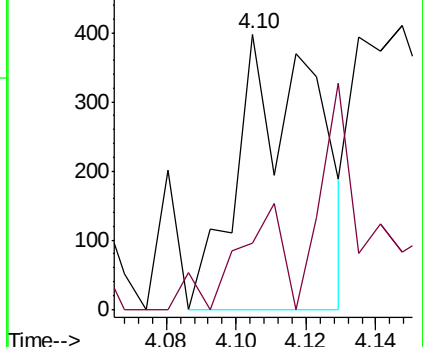
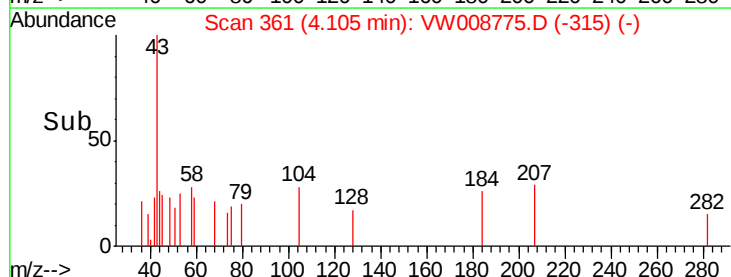
43 100

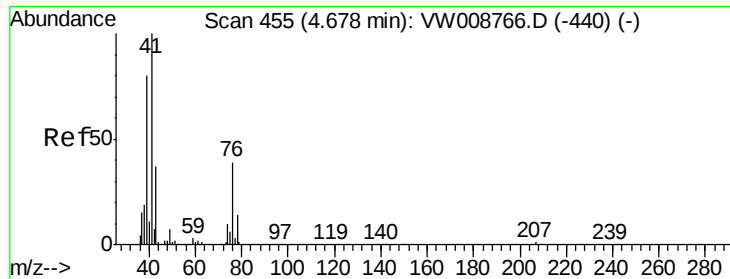
58 11.1 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

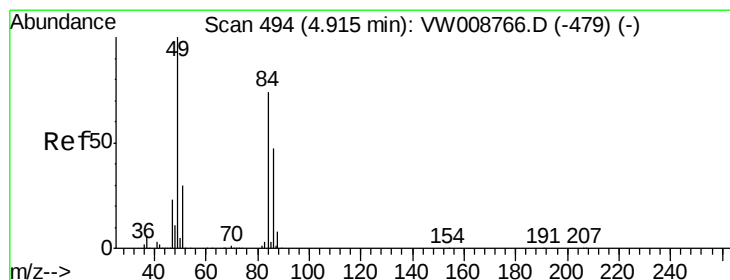
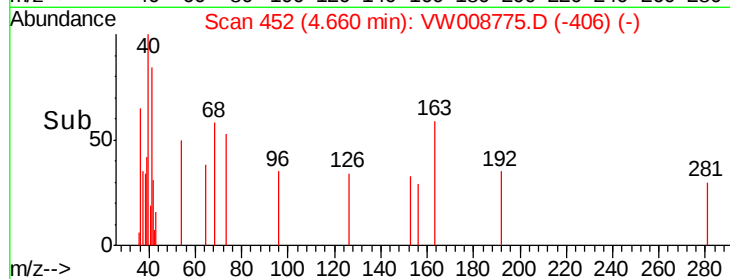
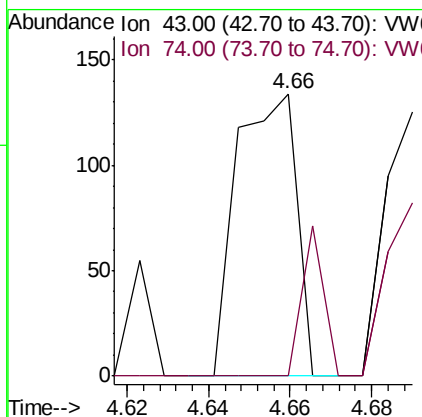
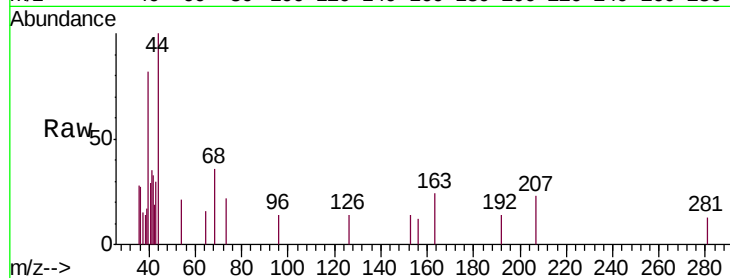




#18
Methyl Acetate
Concen: 1.593 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.02 min
Lab File: VW008775.D
Acq: 21 Feb 2019 17:43

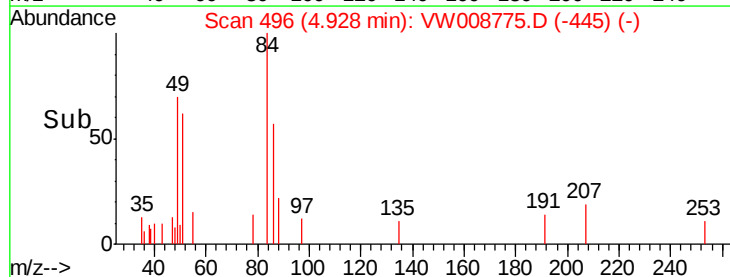
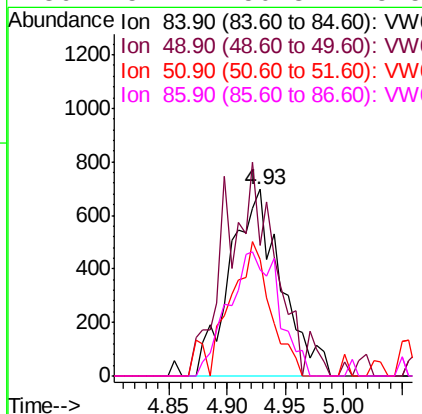
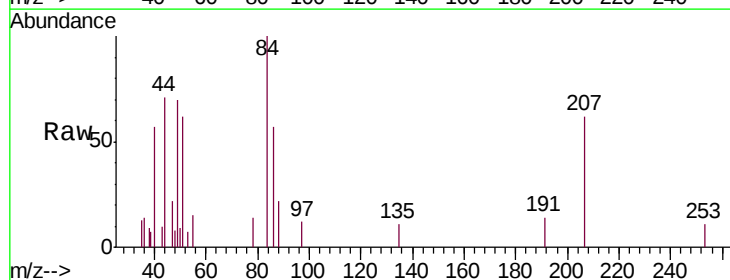
Instrument :
MSVOA_W
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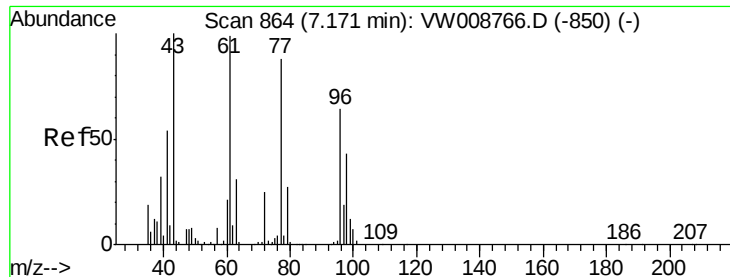
Tgt Ion: 43 Resp: 136
Ion Ratio Lower Upper
43 100
74 19.1 19.4 29.2#



#20
Methylene Chloride
Concen: 7.665 ug/l
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW008775.D
Acq: 21 Feb 2019 17:43

Tgt Ion: 84 Resp: 2126
Ion Ratio Lower Upper
84 100
49 70.2 108.2 162.2#
51 62.1 32.7 49.1#
86 57.2 50.3 75.5





#25

2-Butanone

Concen: 3.975 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008775.D

Acq: 21 Feb 2019 17:43

Instrument :

MSVOA_W

ClientSampled :

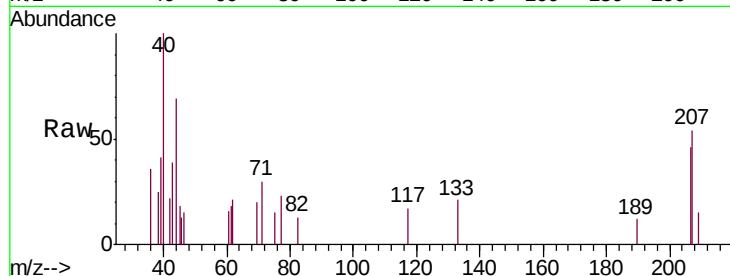
DRUM-1-2

Tgt Ion: 43 Resp: 200

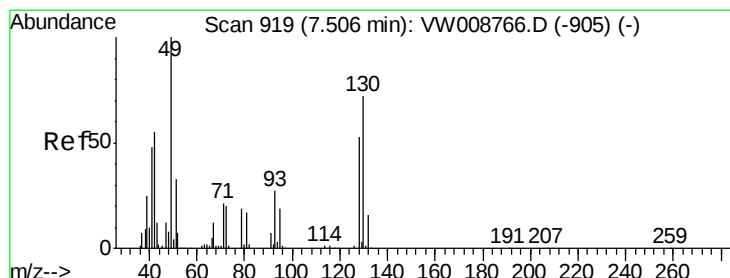
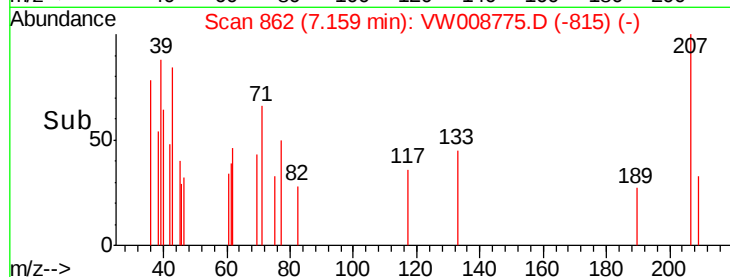
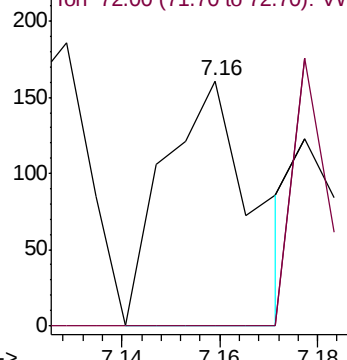
Ion Ratio Lower Upper

43 100

72 0.0 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VW



#28

Bromochloromethane

Concen: 1.710 ug/l

RT: 7.50 min Scan# 918

Delta R.T. -0.01 min

Lab File: VW008775.D

Acq: 21 Feb 2019 17:43

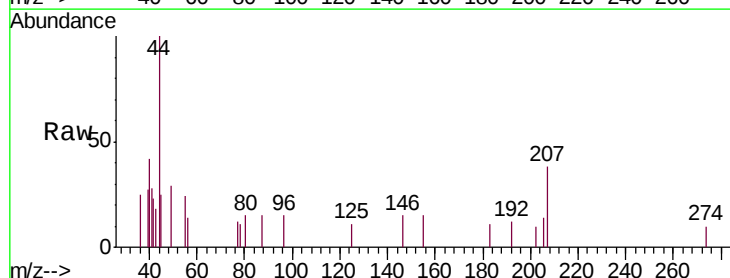
Tgt Ion: 49 Resp: 207

Ion Ratio Lower Upper

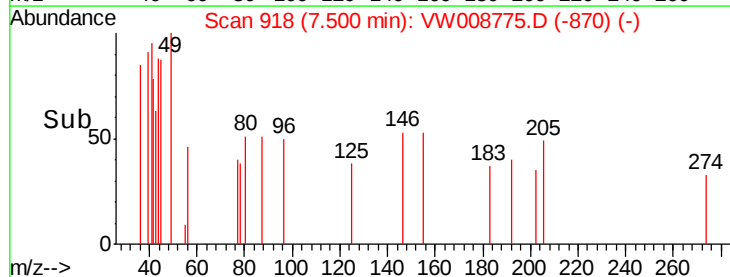
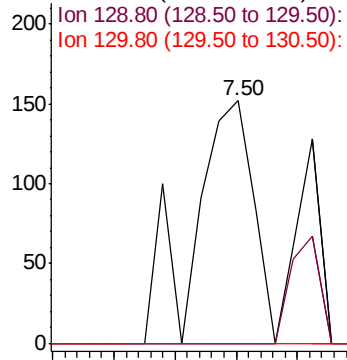
49 100

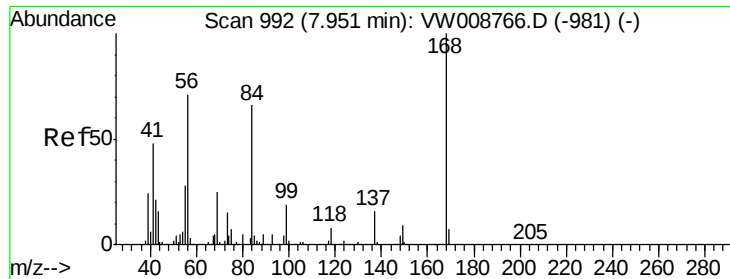
129 0.0 0.0 2.6

130 0.0 61.3 91.9#



Abundance Ion 48.90 (48.60 to 49.60): VW

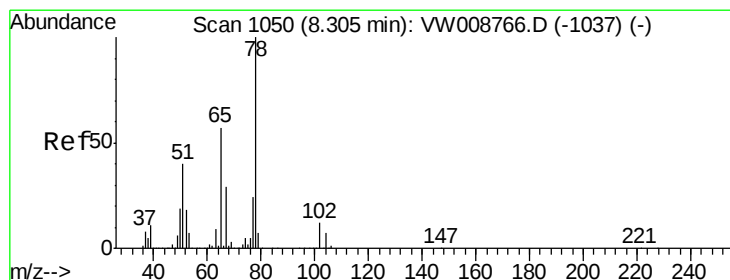
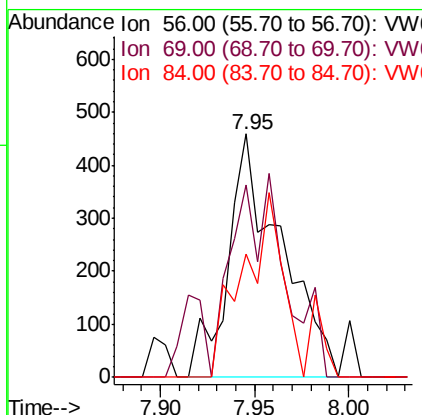
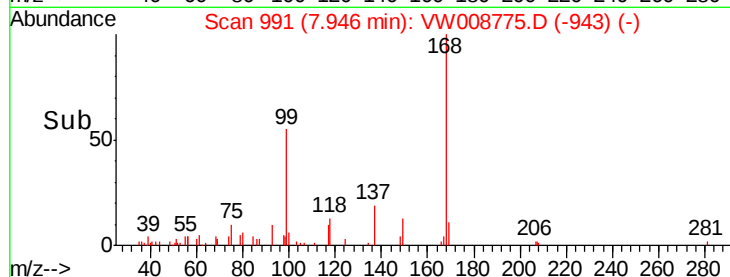
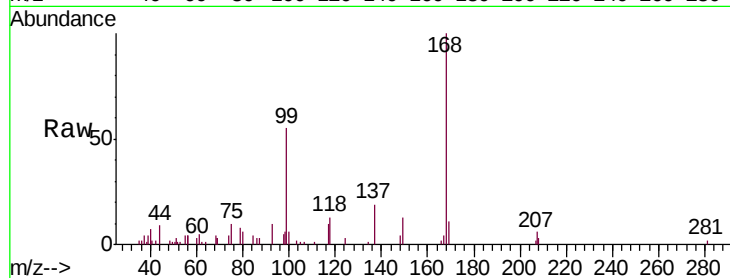




#31
Cyclohexane
Concen: 3.071 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008775.D
Acq: 21 Feb 2019 17:43

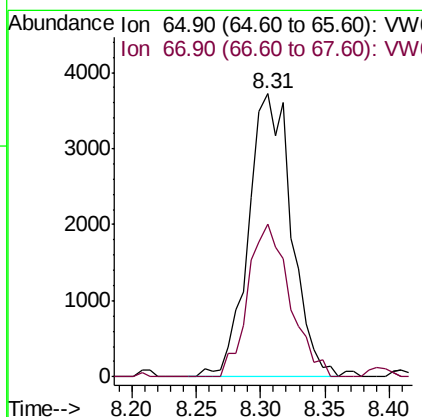
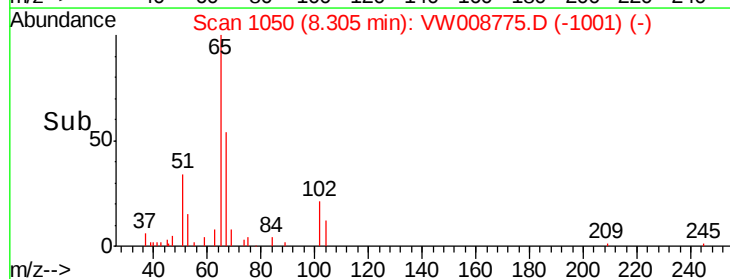
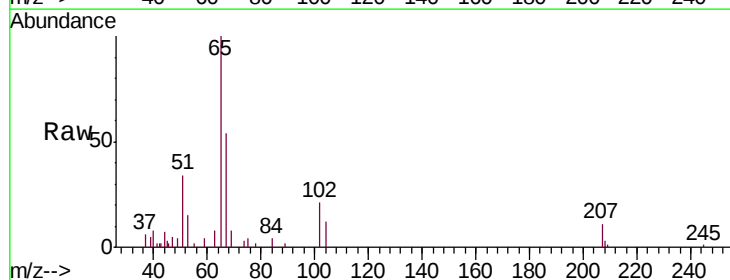
Instrument :
MSVOA_W
ClientSampleId :
DRUM-1-2

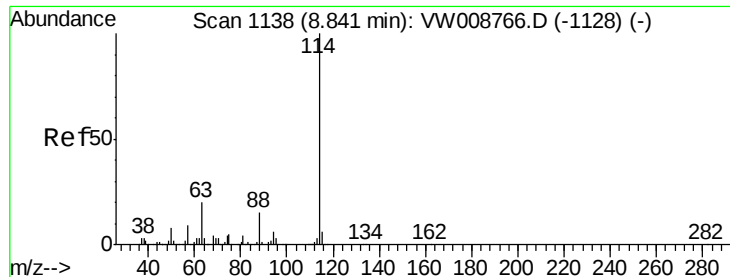
Tgt Ion: 56 Resp: 899
Ion Ratio Lower Upper
56 100
69 79.1 28.2 42.4#
84 50.5 74.1 111.1#



#33
1,2-Dichloroethane-d4
Concen: 55.493 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008775.D
Acq: 21 Feb 2019 17:43

Tgt Ion: 65 Resp: 8617
Ion Ratio Lower Upper
65 100
67 52.5 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008775.D

Acq: 21 Feb 2019 17:43

Instrument :

MSVOA_W

ClientSampleId :

DRUM-1-2

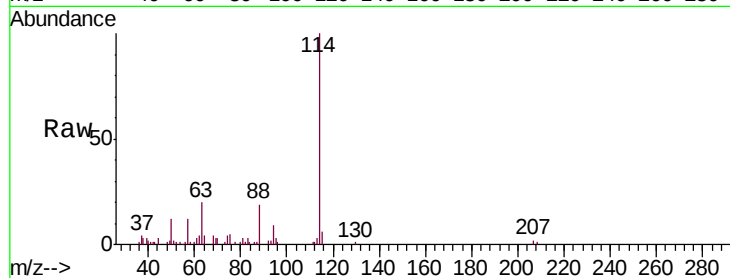
Tgt Ion:114 Resp: 23289

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

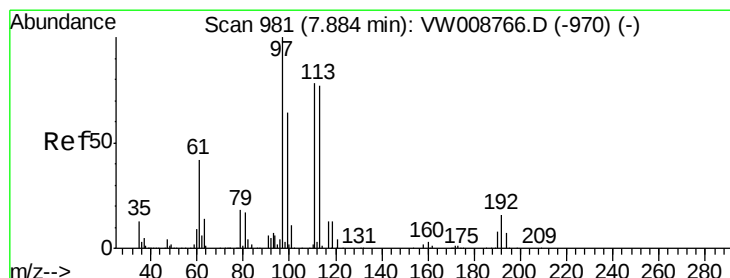
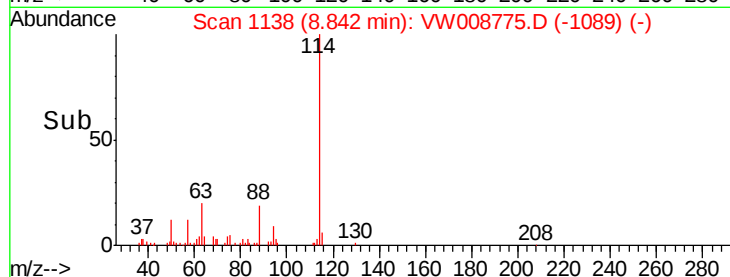
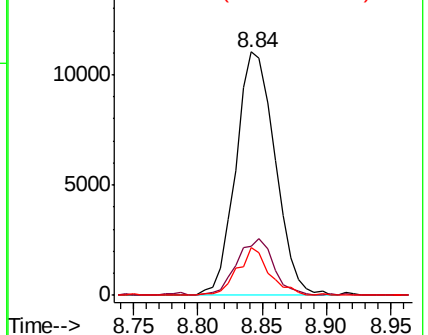
88 19.4 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 55.146 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008775.D

Acq: 21 Feb 2019 17:43

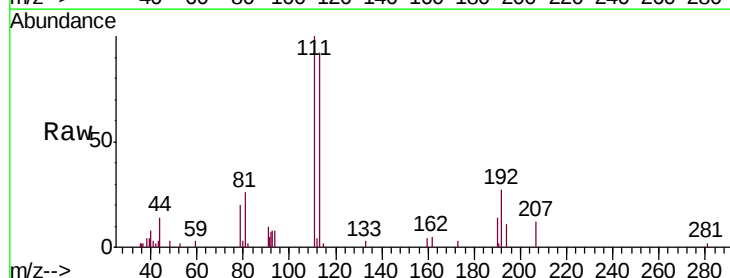
Tgt Ion:113 Resp: 7711

Ion Ratio Lower Upper

113 100

111 96.3 81.9 122.9

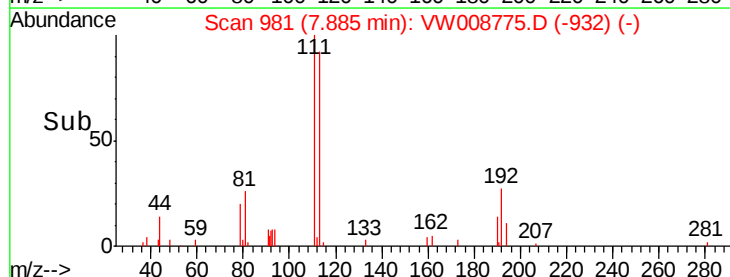
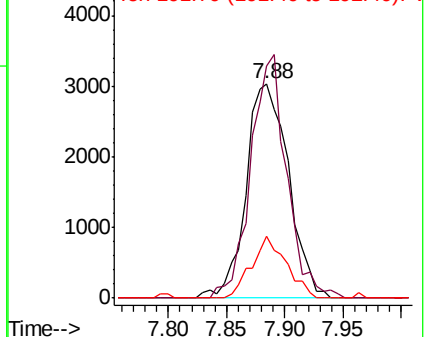
192 23.7 17.1 25.7

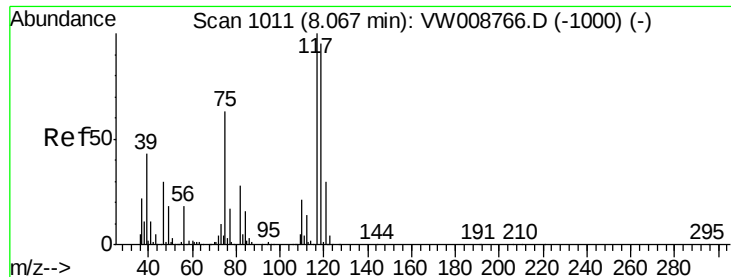


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 8.144 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW008775.D

Acq: 21 Feb 2019 17:43

Instrument :

MSVOA_W

ClientSampleId :

DRUM-1-2

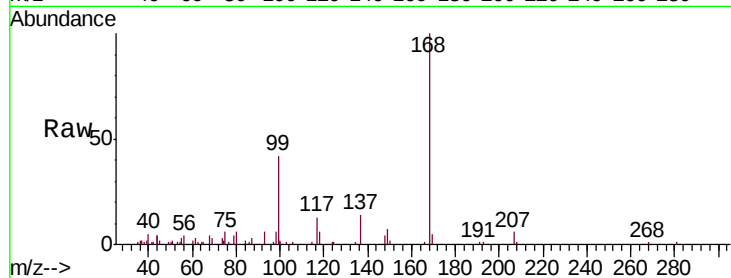
Tgt Ion:117 Resp: 1947

Ion Ratio Lower Upper

117 100

119 0.0 76.1 114.1#

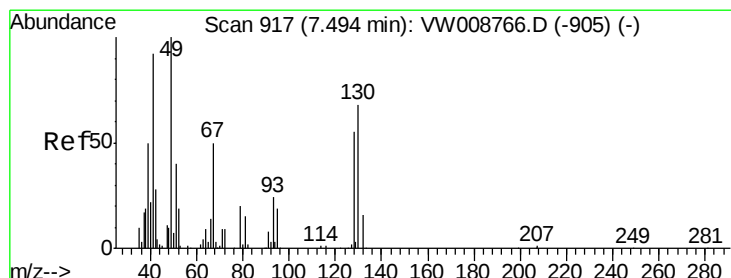
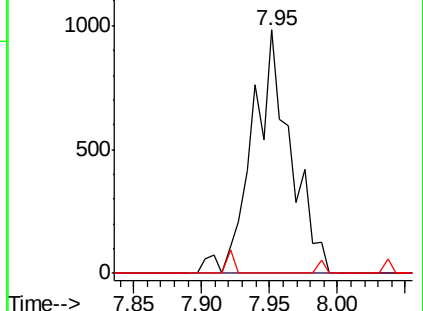
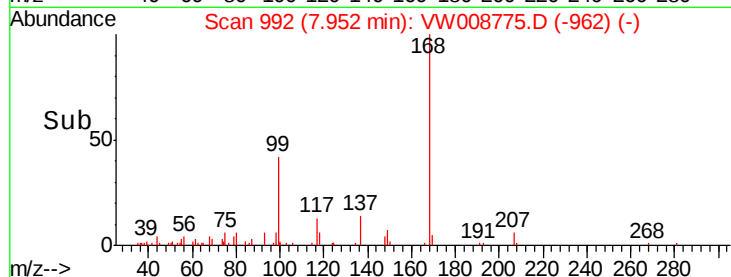
121 0.0 24.0 36.0#



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



#41

Methacrylonitrile

Concen: 2.275 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.01 min

Lab File: VW008775.D

Acq: 21 Feb 2019 17:43

Tgt Ion: 41 Resp: 141

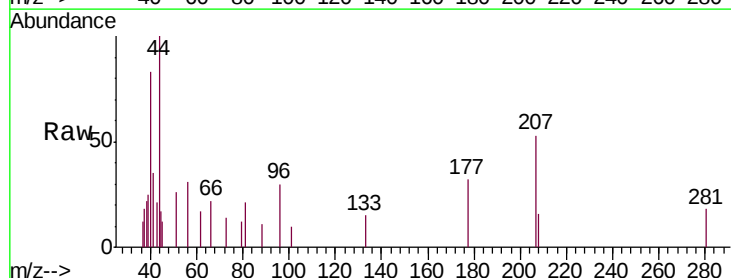
Ion Ratio Lower Upper

41 100

39 131.9 52.5 78.7#

67 14.2 55.0 82.6#

52 0.0 26.9 40.3#

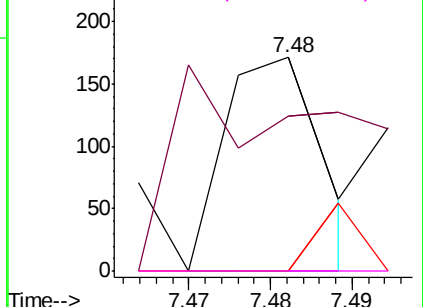
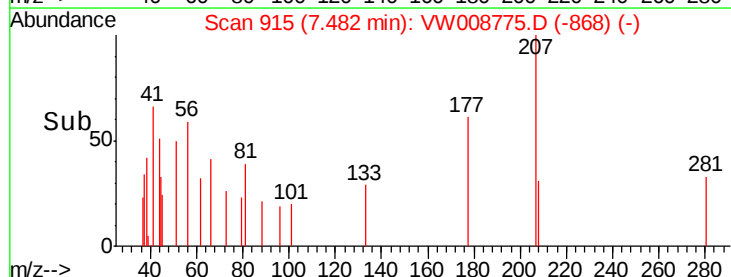


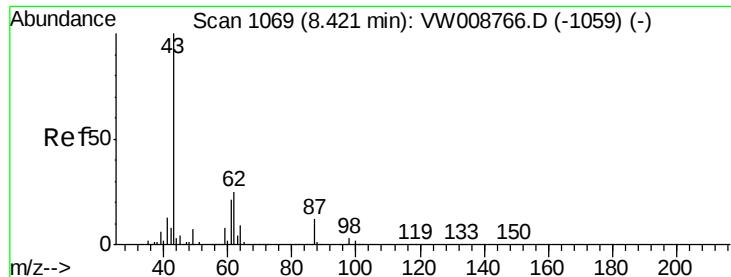
Abundance Ion 41.00 (40.70 to 41.70): VW

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





#43

Isopropyl Acetate

Concen: 1.088 ug/l

RT: 8.41 min Scan# 1068

Delta R.T. -0.01 min

Lab File: VW008775.D

Acq: 21 Feb 2019 17:43

Instrument :

MSVOA_W

ClientSampled :

DRUM-1-2

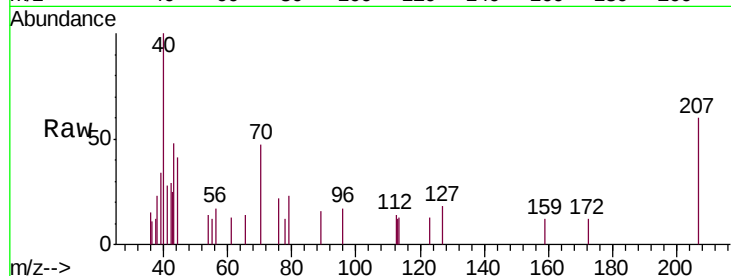
Tgt Ion: 43 Resp: 229

Ion Ratio Lower Upper

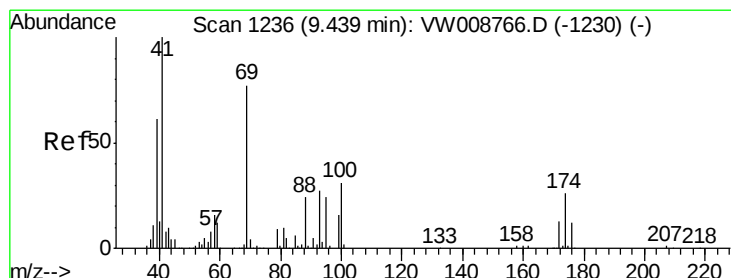
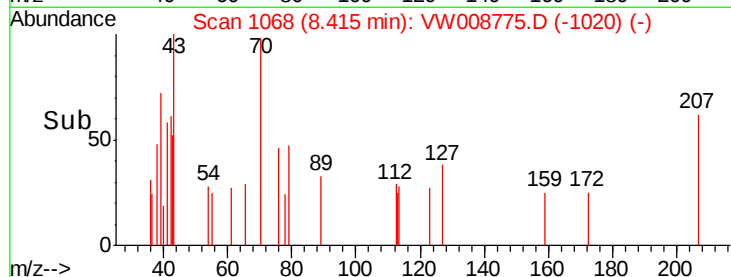
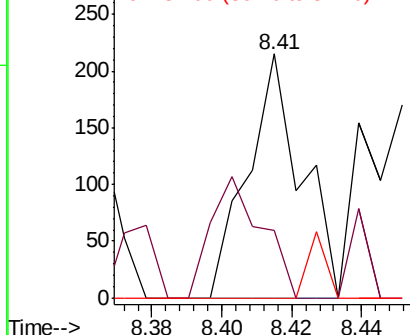
43 100

61 0.0 23.2 34.8#

87 9.2 9.9 14.9#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#48

Methyl methacrylate

Concen: 1.449 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW008775.D

Acq: 21 Feb 2019 17:43

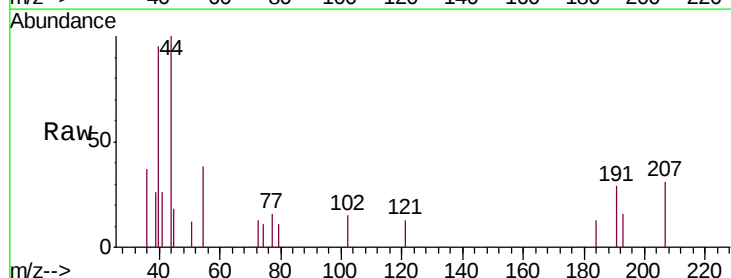
Tgt Ion: 41 Resp: 146

Ion Ratio Lower Upper

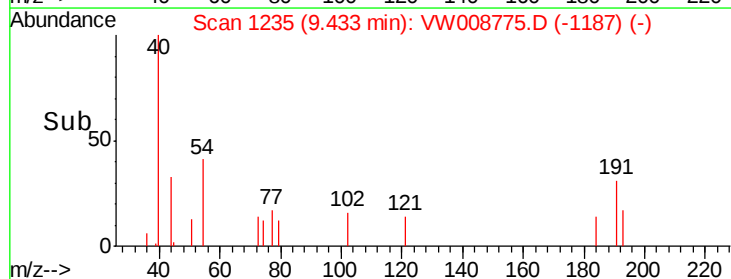
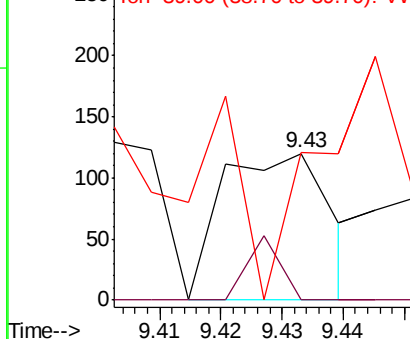
41 100

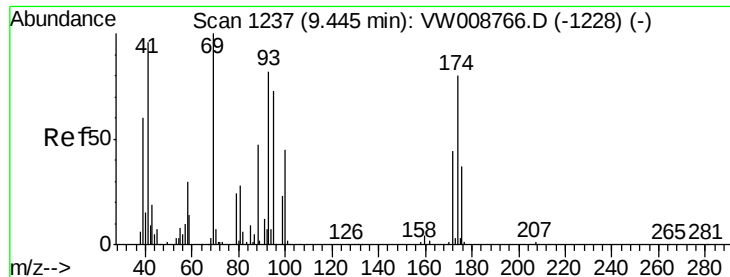
69 13.0 63.6 95.4#

39 0.0 52.1 78.1#



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

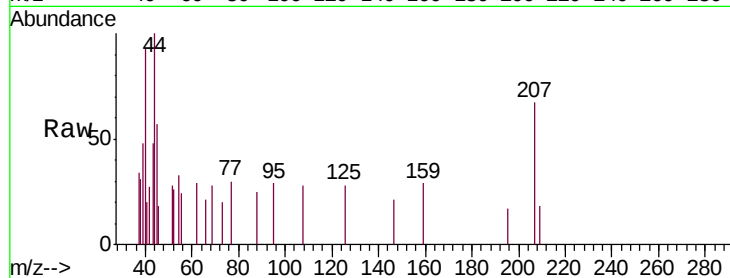




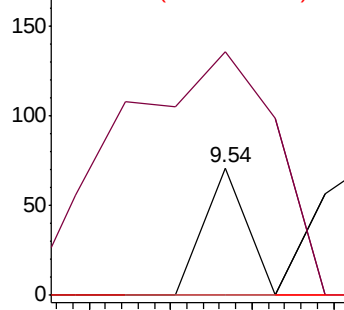
#49
1,4-Dioxane
Concen: 19.083 ug/l
RT: 9.54 min Scan# 1252
Delta R.T. 0.09 min
Lab File: VW008775.D
Acq: 21 Feb 2019 17:43

Instrument :
MSVOA_W
ClientSampleId :
DRUM-1-2

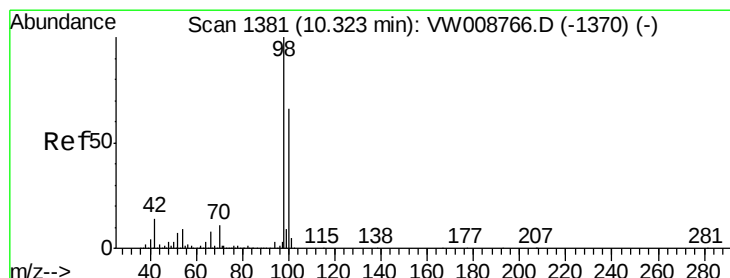
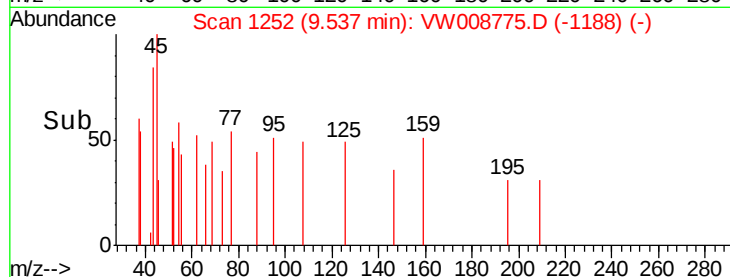
Tgt Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 707.7 29.0 43.4#
58 0.0 52.0 78.0#



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

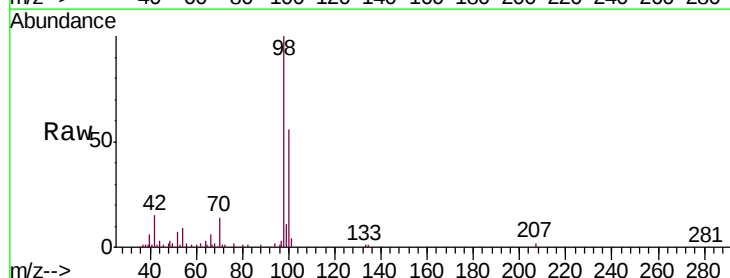


Time-->

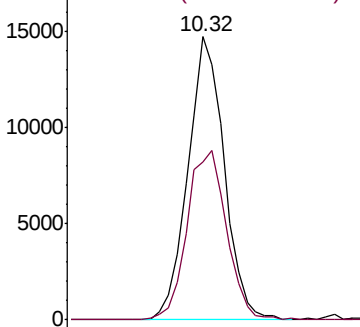


#50
Toluene-d8
Concen: 47.582 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008775.D
Acq: 21 Feb 2019 17:43

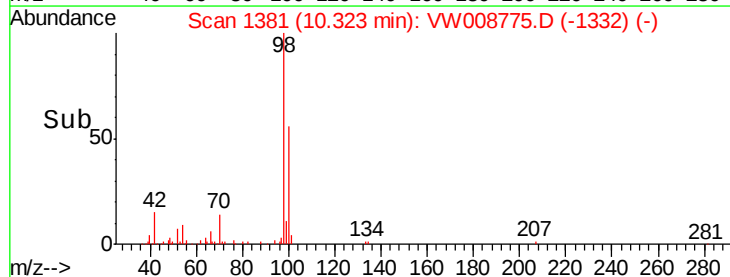
Tgt Ion: 98 Resp: 25684
Ion Ratio Lower Upper
98 100
100 65.1 52.4 78.6

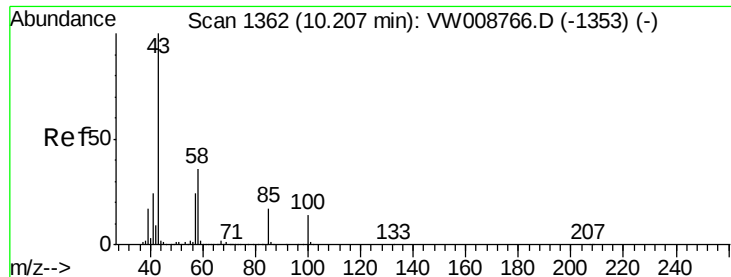


Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW



Time-->

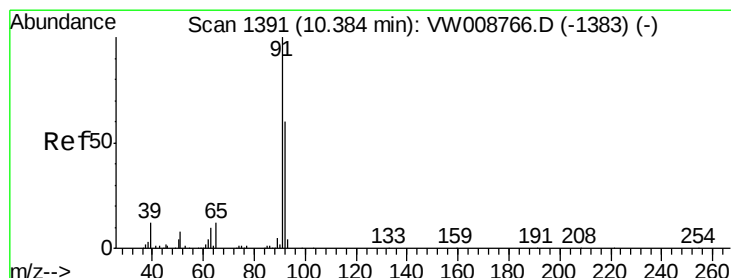
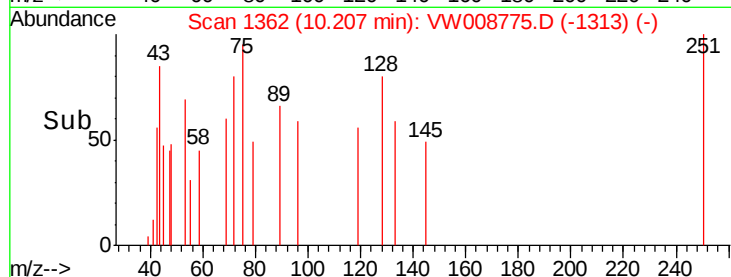
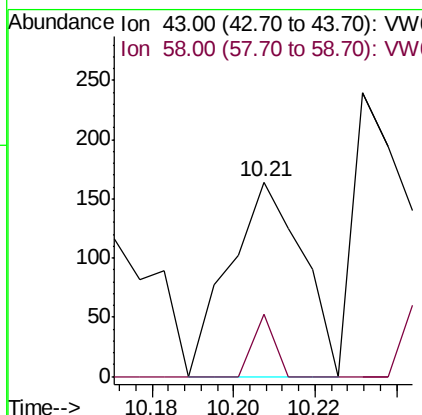
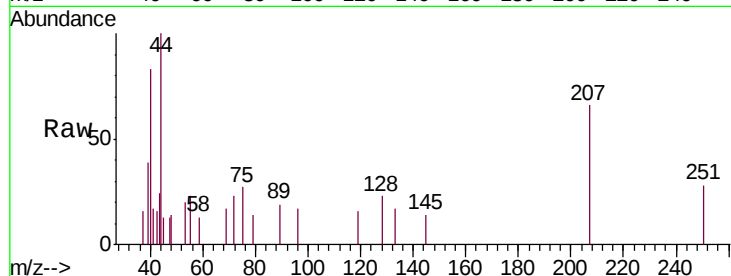




#51
 4-Methyl-2-Pentanone
 Concen: 1.910 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW008775.D
 Acq: 21 Feb 2019 17:43

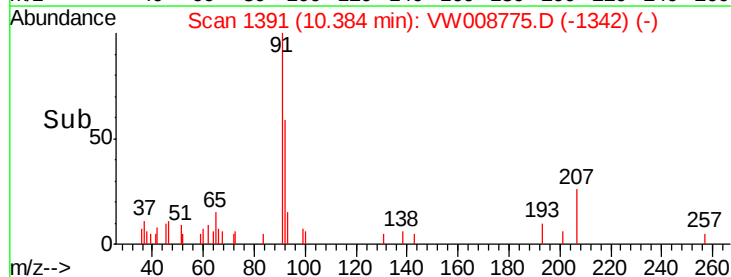
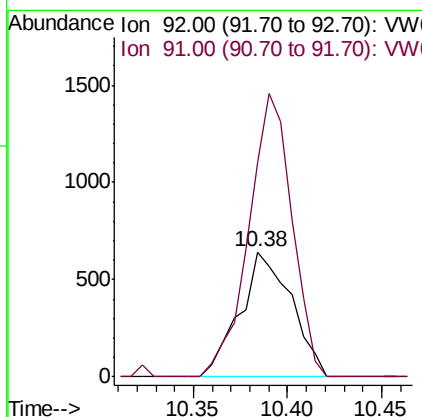
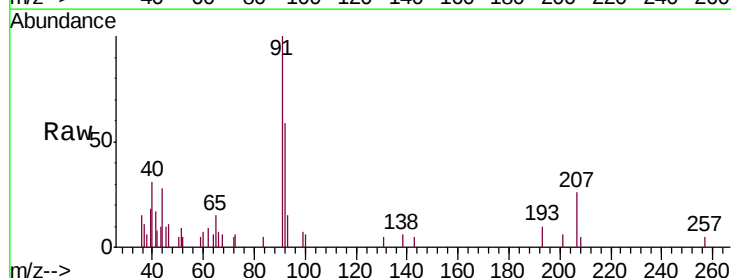
Instrument :
 MSVOA_W
 ClientSampled :
 DRUM-1-2

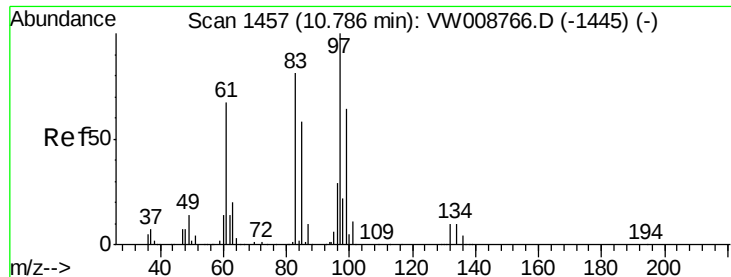
Tgt Ion: 43 Resp: 204
 Ion Ratio Lower Upper
 43 100
 58 9.3 29.1 43.7#



#52
 Toluene
 Concen: 2.907 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW008775.D
 Acq: 21 Feb 2019 17:43

Tgt Ion: 92 Resp: 1221
 Ion Ratio Lower Upper
 92 100
 91 190.3 136.9 205.3





#55

1,1,2-Trichloroethane

Concen: 1.274 ug/l

RT: 10.77 min Scan# 1455

Delta R.T. -0.01 min

Lab File: VW008775.D

Acq: 21 Feb 2019 17:43

Instrument :

MSVOA_W

ClientSampleId :

DRUM-1-2

Tgt Ion: 97 Resp: 147

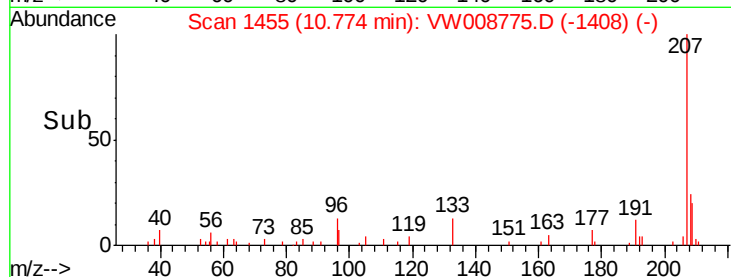
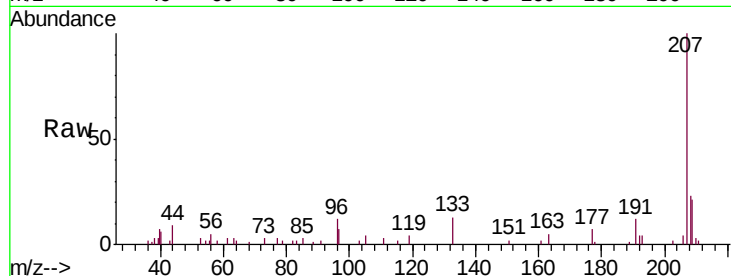
Ion Ratio Lower Upper

97 100

83 37.2 65.0 97.6#

85 57.3 46.0 69.0

99 0.0 51.1 76.7#

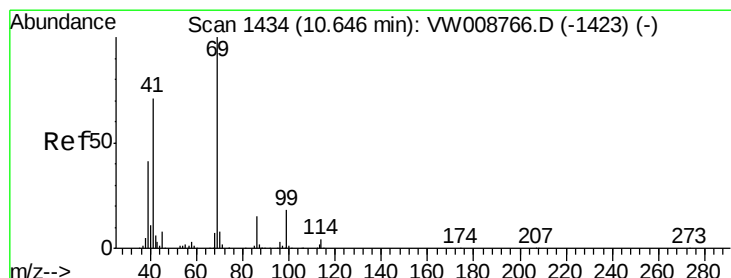
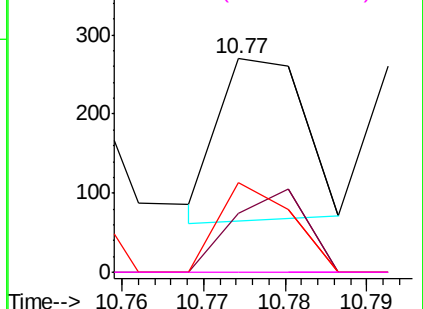


Abundance Ion 96.90 (96.60 to 97.60): VW

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: 1.101 ug/l

RT: 10.65 min Scan# 1435

Delta R.T. 0.01 min

Lab File: VW008775.D

Acq: 21 Feb 2019 17:43

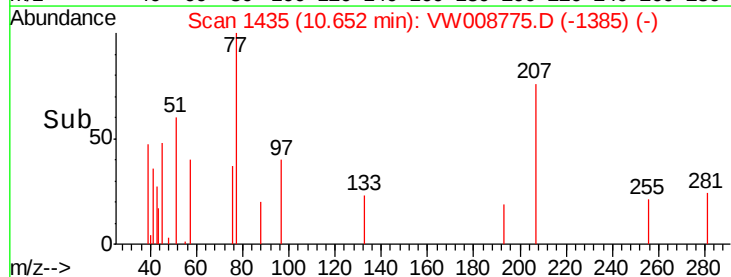
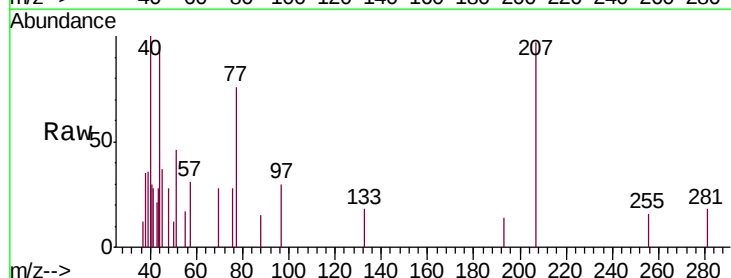
Tgt Ion: 69 Resp: 165

Ion Ratio Lower Upper

69 100

41 135.8 57.4 86.0#

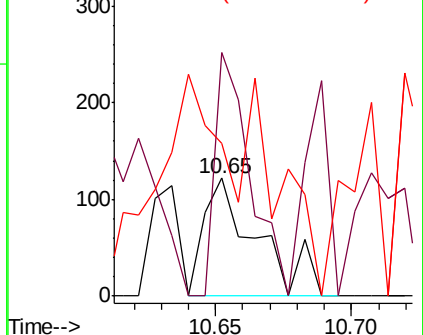
39 0.0 34.8 52.2#

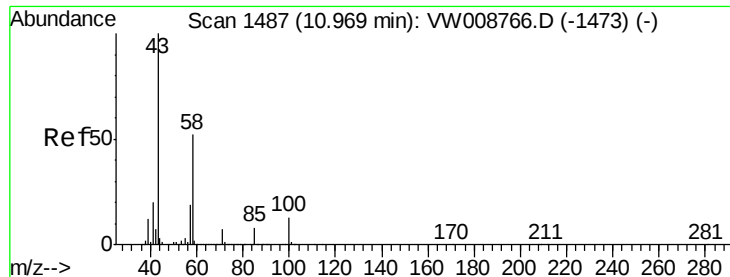


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#59

2-Hexanone

Concen: 1.039 ug/l

RT: 10.98 min Scan# 1489

Delta R.T. 0.01 min

Lab File: VW008775.D

Acq: 21 Feb 2019 17:43

Instrument :

MSVOA_W

ClientSampleId :

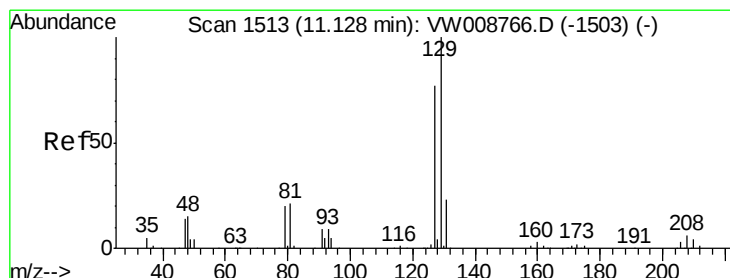
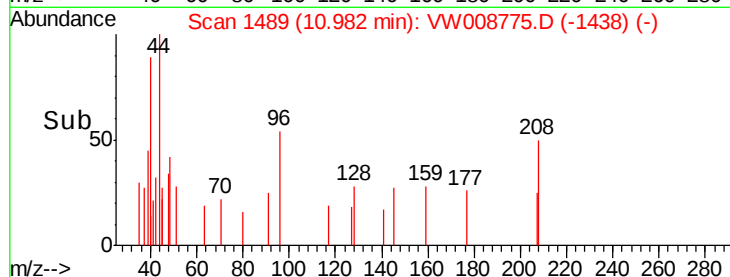
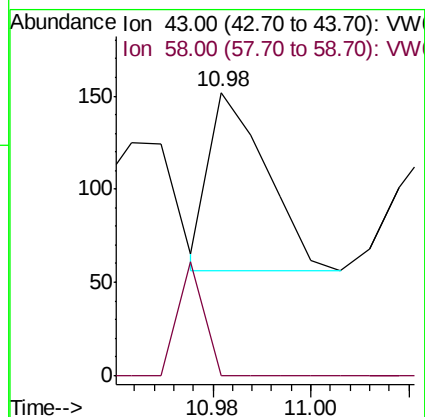
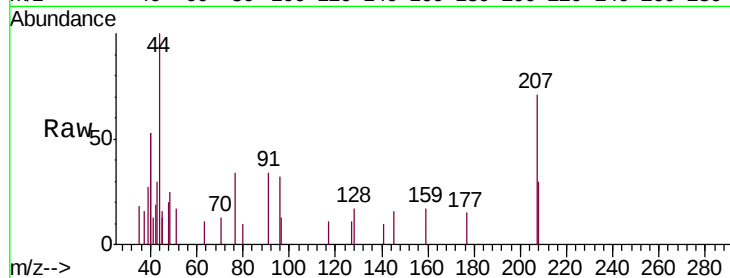
DRUM-1-2

Tgt Ion: 43 Resp: 79

Ion Ratio Lower Upper

43 100

58 27.8 25.3 75.8



#60

Dibromochloromethane

Concen: 1.343 ug/l

RT: 11.15 min Scan# 1516

Delta R.T. 0.02 min

Lab File: VW008775.D

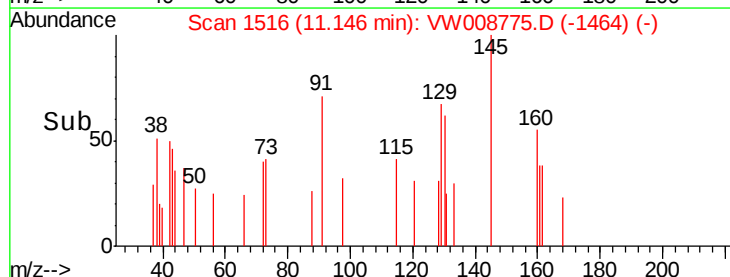
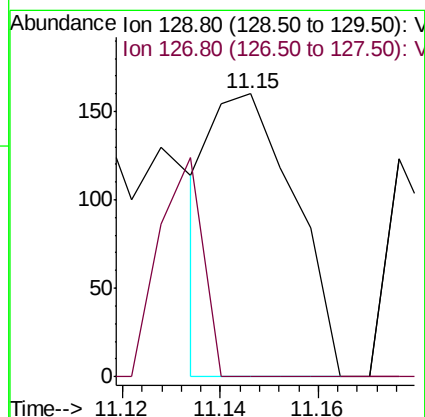
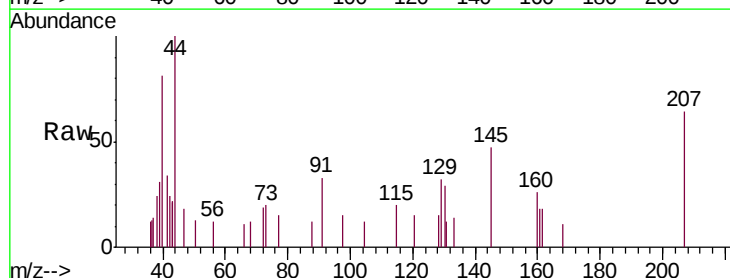
Acq: 21 Feb 2019 17:43

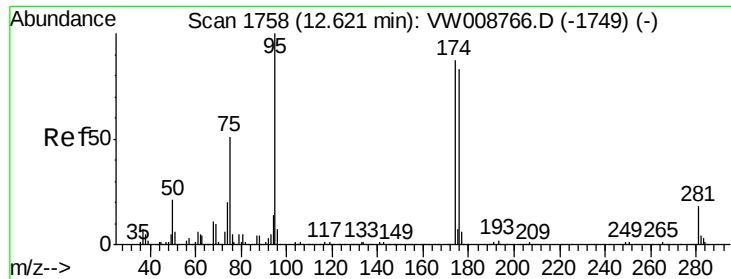
Tgt Ion: 129 Resp: 189

Ion Ratio Lower Upper

129 100

127 40.7 39.0 116.9





#62

4-Bromofluorobenzene

Concen: 26.028 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008775.D

Acq: 21 Feb 2019 17:43

Instrument :

MSVOA_W

ClientSampleId :

DRUM-1-2

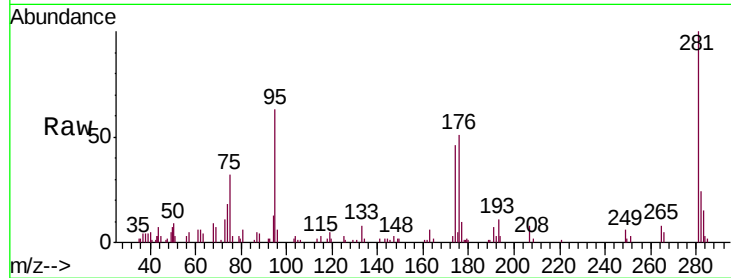
Tgt Ion: 95 Resp: 5501

Ion Ratio Lower Upper

95 100

174 78.5 0.0 169.2

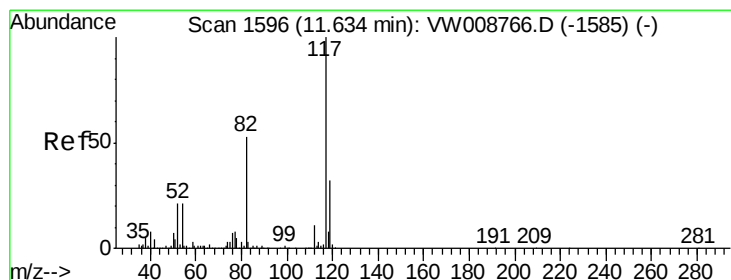
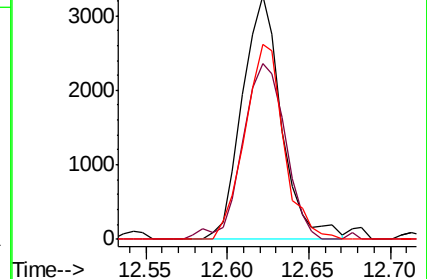
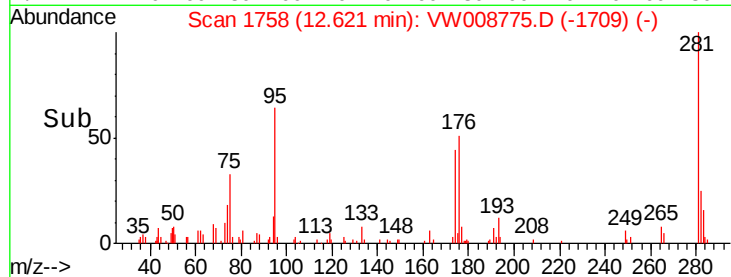
176 79.3 0.0 163.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW008775.D

Acq: 21 Feb 2019 17:43

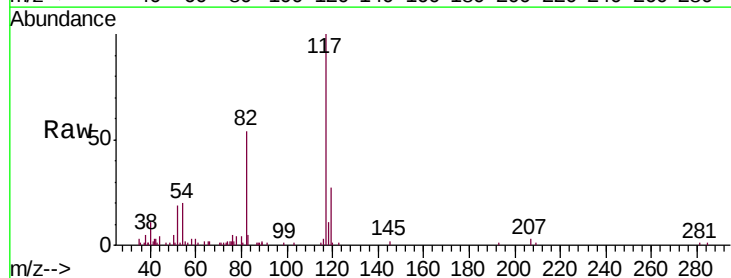
Tgt Ion: 117 Resp: 16607

Ion Ratio Lower Upper

117 100

82 53.6 42.2 63.4

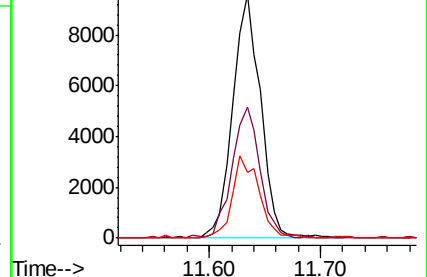
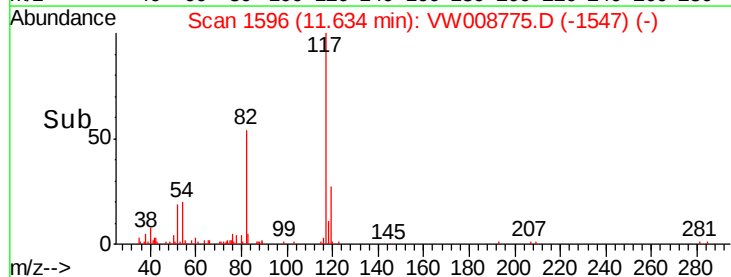
119 27.2 25.9 38.9

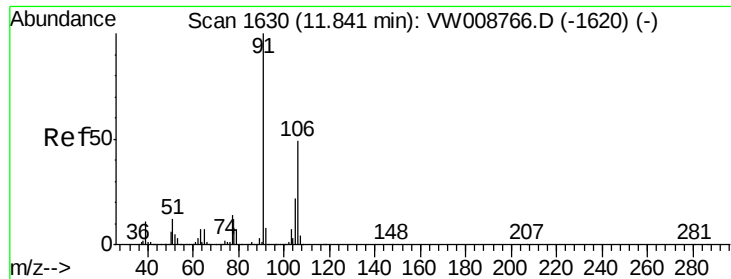


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

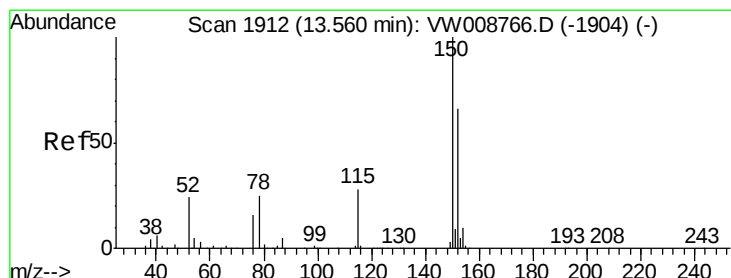
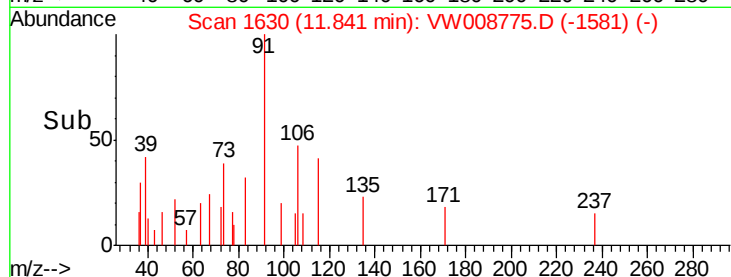
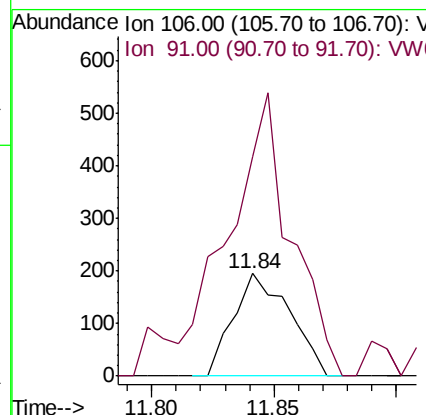
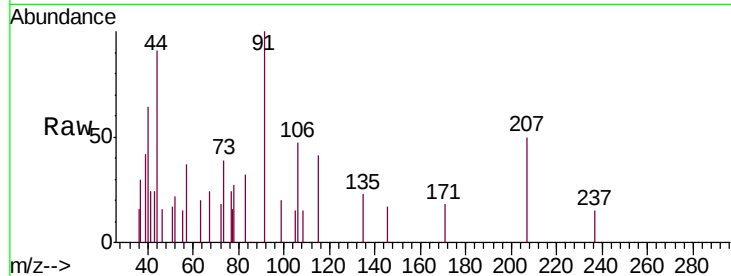




#68
m/p-Xylenes
Concen: 1.251 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008775.D
Acq: 21 Feb 2019 17:43

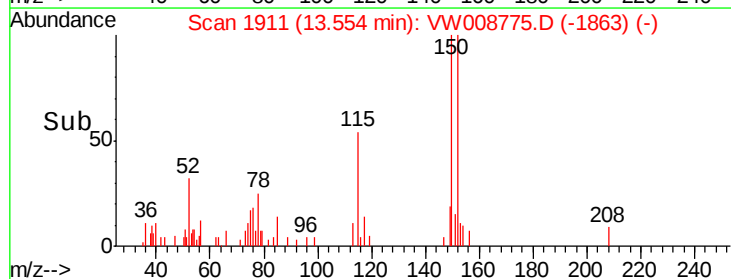
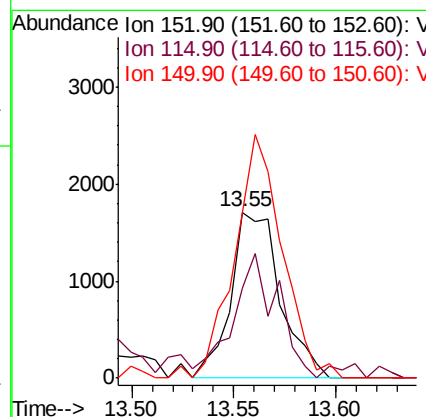
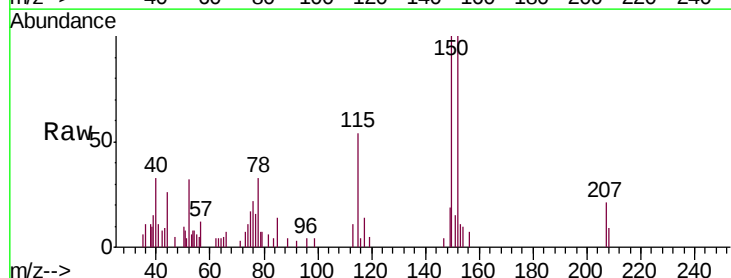
Instrument :
MSVOA_W
ClientSampleId :
DRUM-1-2

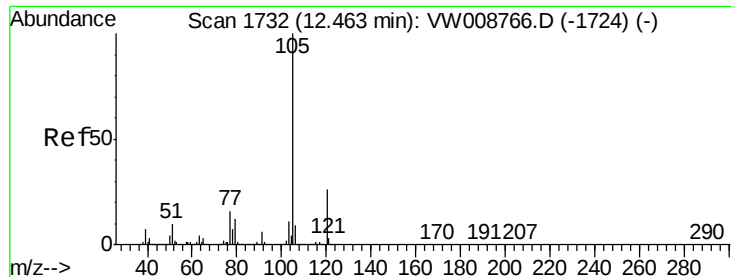
Tgt Ion:106 Resp: 312
Ion Ratio Lower Upper
106 100
91 329.2 161.5 242.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW008775.D
Acq: 21 Feb 2019 17:43

Tgt Ion:152 Resp: 2872
Ion Ratio Lower Upper
152 100
115 67.4 28.6 85.8
150 142.6 0.0 348.0





#73

Isopropylbenzene

Concen: 1.468 ug/l

RT: 12.48 min Scan# 1734

Delta R.T. 0.01 min

Lab File: VW008775.D

Acq: 21 Feb 2019 17:43

Instrument :

MSVOA_W

ClientSampled :

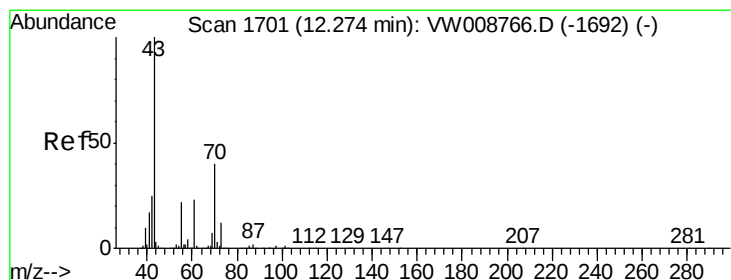
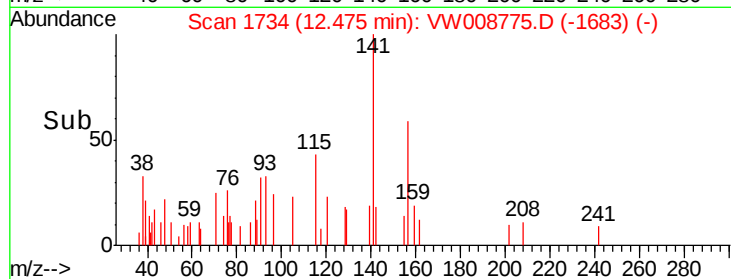
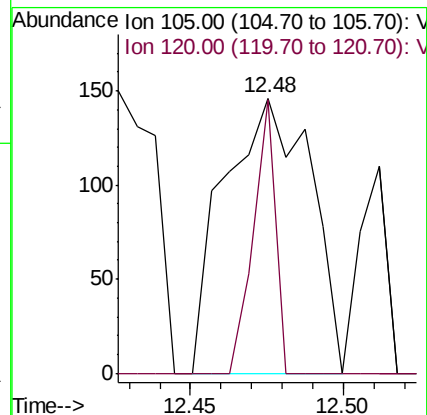
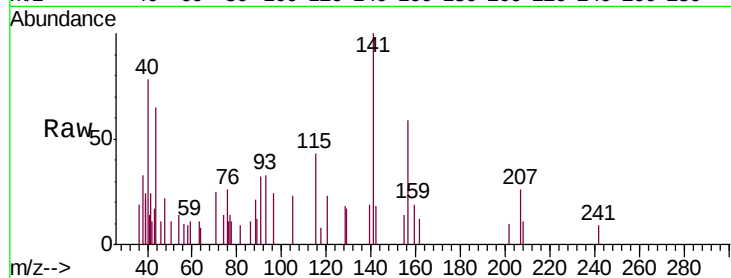
DRUM-1-2

Tgt Ion:105 Resp: 289

Ion Ratio Lower Upper

105 100

120 24.9 13.3 39.9



#74

N-ethyl acetate

Concen: 3.589 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.01 min

Lab File: VW008775.D

Acq: 21 Feb 2019 17:43

Tgt Ion: 43 Resp: 178

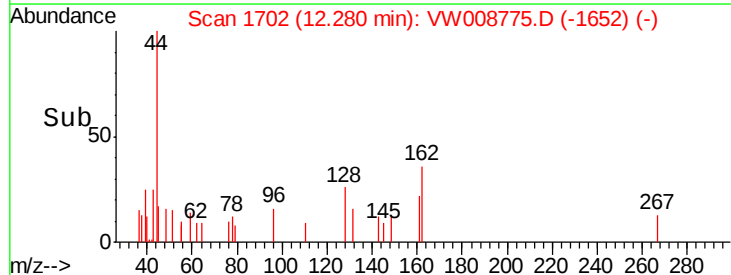
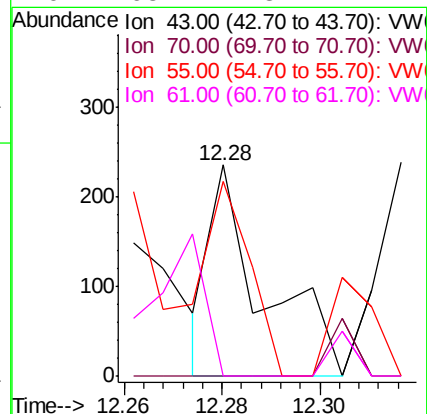
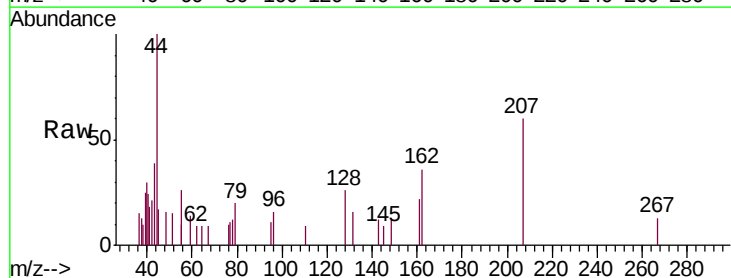
Ion Ratio Lower Upper

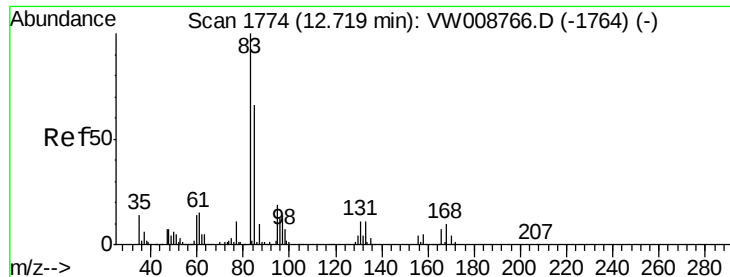
43 100

70 0.0 31.0 46.6#

55 69.7 18.7 28.1#

61 65.2 18.1 27.1#





#75

1,1,2,2-Tetrachloroethane

Concen: 4.663 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008775.D

Acq: 21 Feb 2019 17:43

Instrument :

MSVOA_W

ClientSampleId :

DRUM-1-2

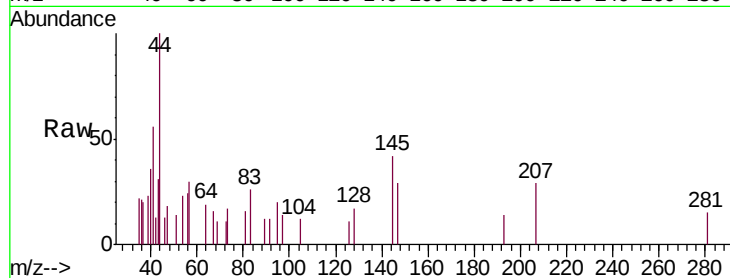
Tgt Ion: 83 Resp: 150

Ion Ratio Lower Upper

83 100

131 47.3 5.5 16.7#

85 0.0 33.0 98.9#



Abundance Ion 82.90 (82.60 to 83.60): VW

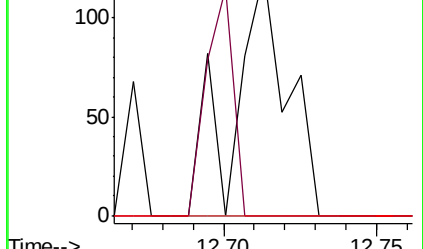
Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW

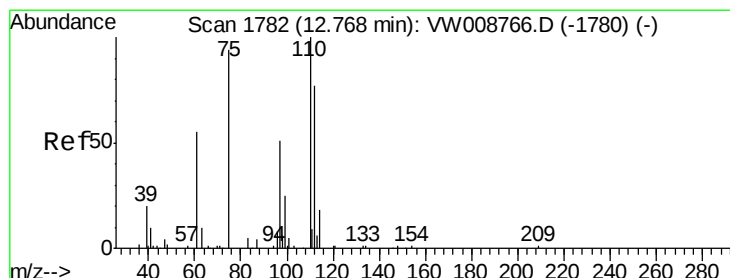
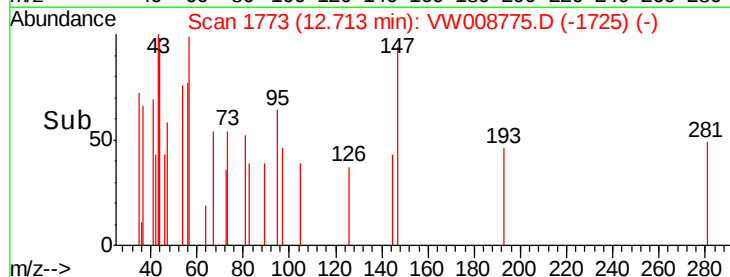
12.71

12.70

12.75



Time-->



#76

1,2,3-Trichloropropane

Concen: 10.754 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008775.D

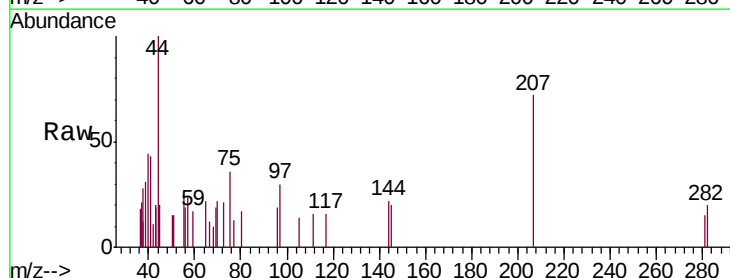
Acq: 21 Feb 2019 17:43

Tgt Ion: 75 Resp: 255

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



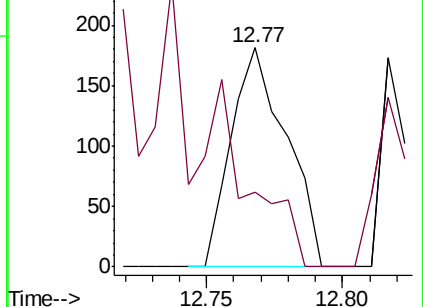
Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

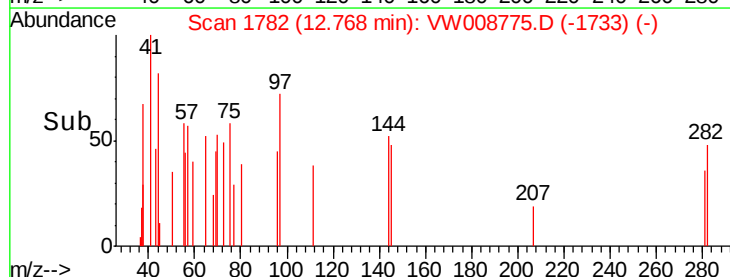
12.77

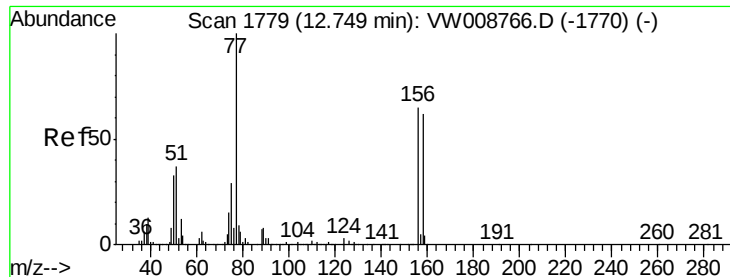
12.75

12.80



Time-->





#77

Bromobenzene

Concen: 129.453 ug/l

RT: 12.88 min Scan# 1801

Delta R.T. 0.13 min

Lab File: VW008775.D

Acq: 21 Feb 2019 17:43

Instrument :

MSVOA_W

ClientSampled :

DRUM-1-2

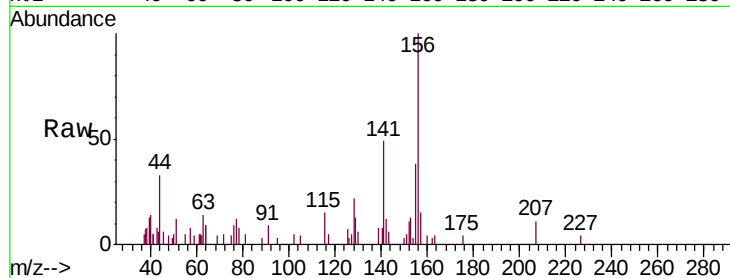
Tgt Ion:156 Resp: 6023

Ion Ratio Lower Upper

156 100

77 4.7 89.1 267.4#

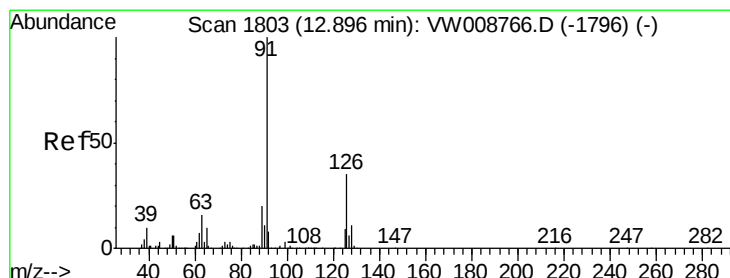
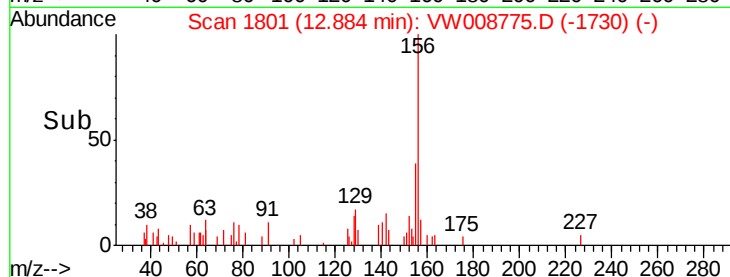
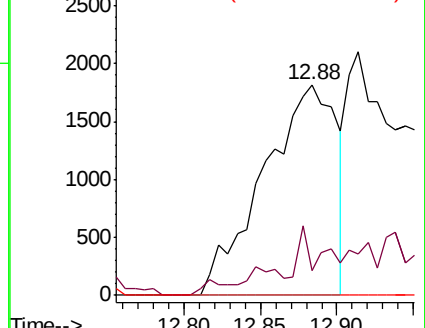
158 0.0 49.2 147.6#



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



#79

2-Chlorotoluene

Concen: 4.271 ug/l

RT: 12.90 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VW008775.D

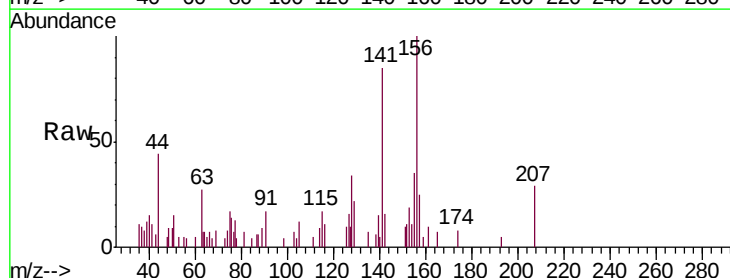
Acq: 21 Feb 2019 17:43

Tgt Ion: 91 Resp: 584

Ion Ratio Lower Upper

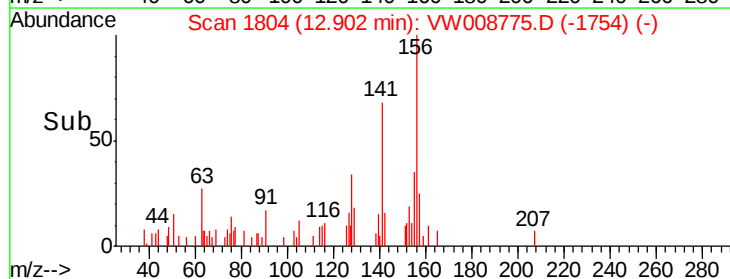
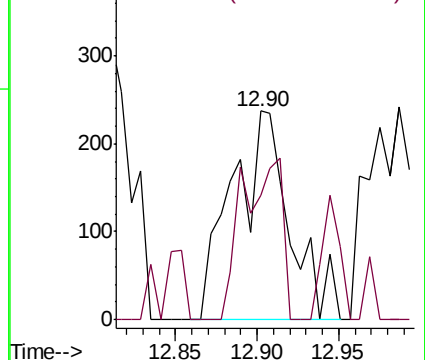
91 100

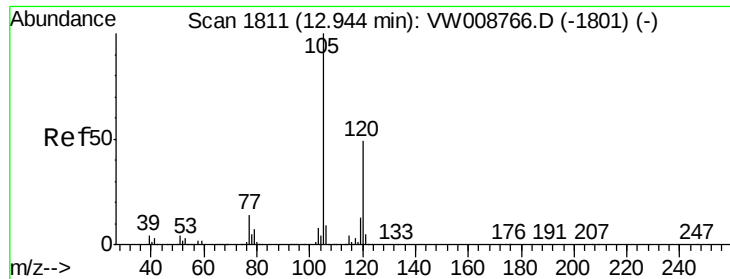
126 52.9 17.0 51.0#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

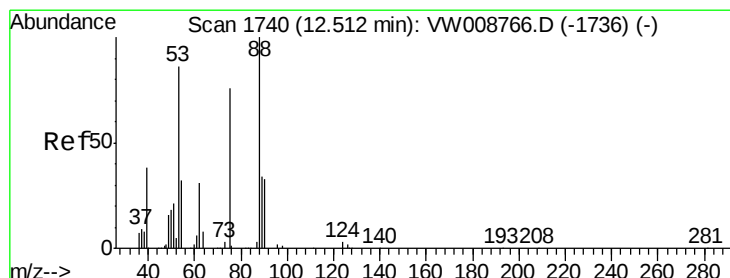
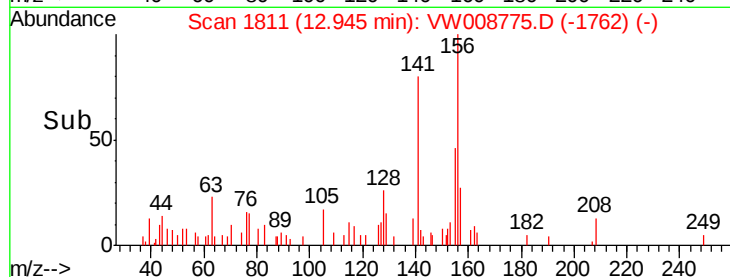
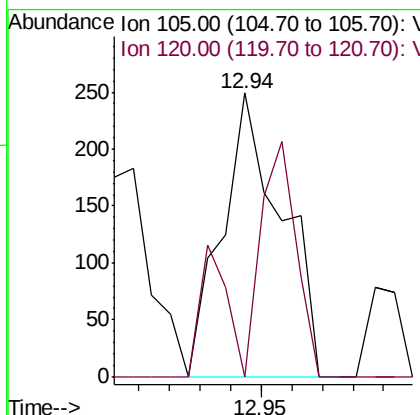
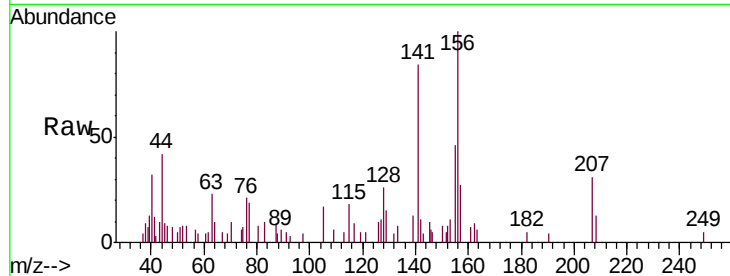




#80
 1,3,5-Trimethylbenzene
 Concen: 1.964 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW008775.D
 Acq: 21 Feb 2019 17:43

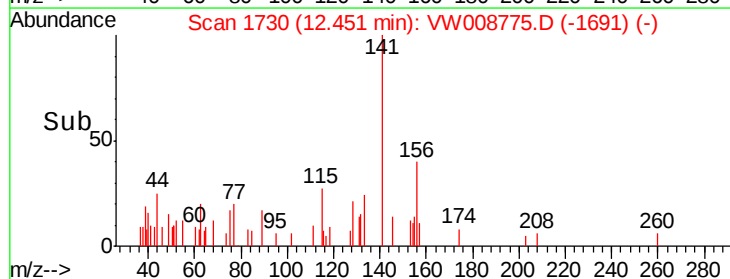
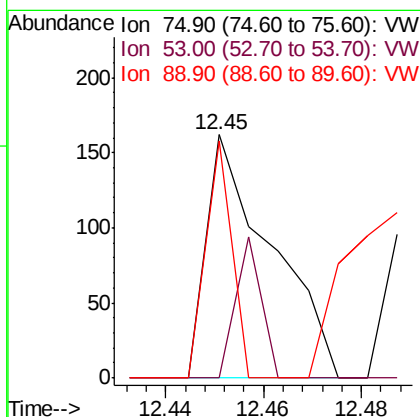
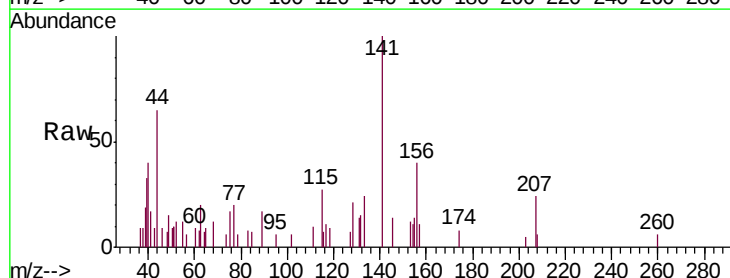
Instrument :
 MSVOA_W
 ClientSampleId :
 DRUM-1-2

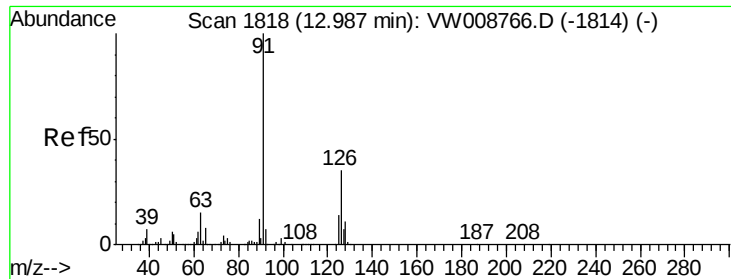
Tgt Ion: 105 Resp: 336
 Ion Ratio Lower Upper
 105 100
 120 70.5 24.8 74.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 15.276 ug/l
 RT: 12.45 min Scan# 1730
 Delta R.T. -0.06 min
 Lab File: VW008775.D
 Acq: 21 Feb 2019 17:43

Tgt Ion: 75 Resp: 149
 Ion Ratio Lower Upper
 75 100
 53 22.8 88.2 132.2#
 89 38.9 39.5 59.3#

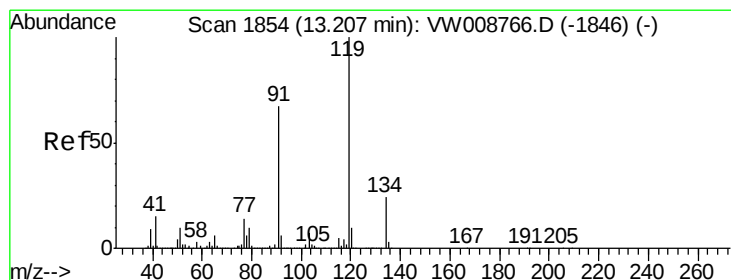
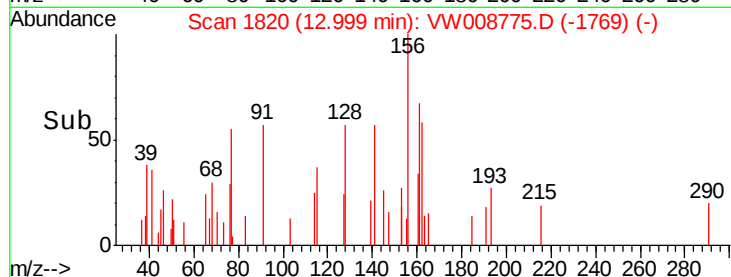
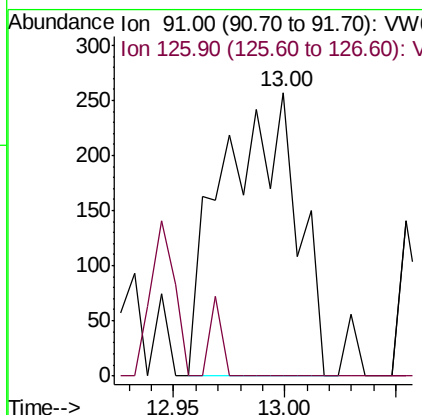
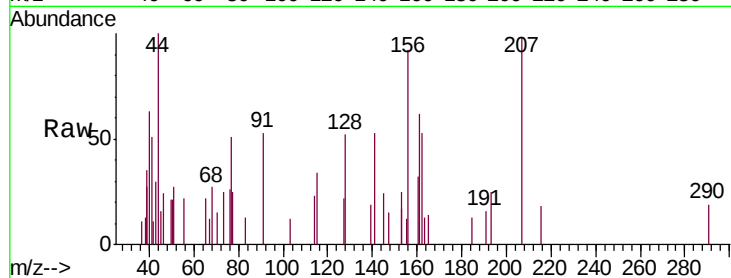




#82
4-Chlorotoluene
Concen: 4.143 ug/l
RT: 13.00 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VW008775.D
Acq: 21 Feb 2019 17:43

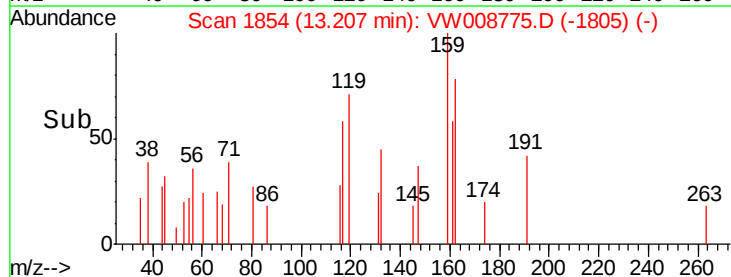
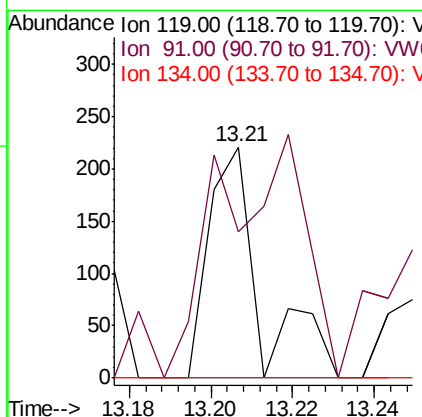
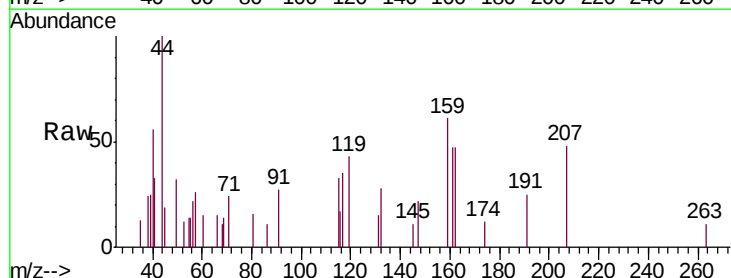
Instrument :
MSVOA_W
ClientSampled :
DRUM-1-2

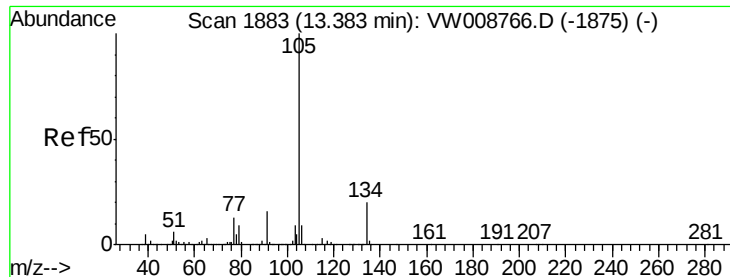
Tgt Ion: 91 Resp: 597
Ion Ratio Lower Upper
91 100
126 0.0 17.2 51.6#



#83
tert-Butylbenzene
Concen: 1.311 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW008775.D
Acq: 21 Feb 2019 17:43

Tgt Ion: 119 Resp: 194
Ion Ratio Lower Upper
119 100
91 186.1 33.6 100.8#
134 0.0 13.7 41.1#





#85

sec-Butylbenzene

Concen: 2.003 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.01 min

Lab File: VW008775.D

Acq: 21 Feb 2019 17:43

Instrument :

MSVOA_W

ClientSampleId :

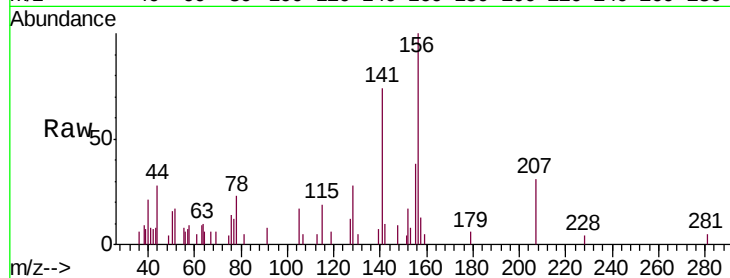
DRUM-1-2

Tgt Ion:105 Resp: 426

Ion Ratio Lower Upper

105 100

134 9.9 10.4 31.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.39

250

200

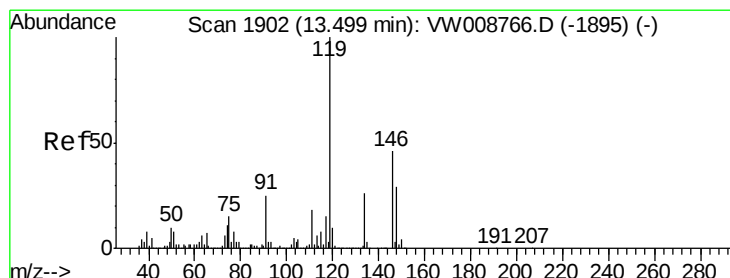
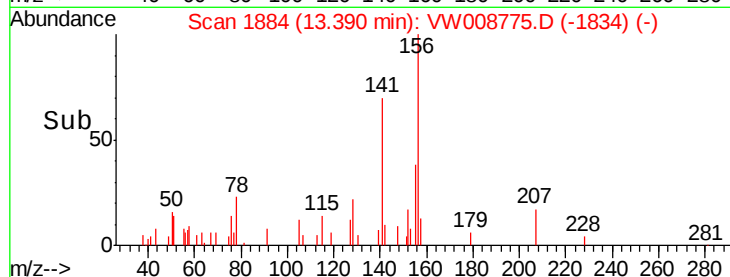
150

100

50

0

Time-->



#86

p-Isopropyltoluene

Concen: 1.543 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

Lab File: VW008775.D

Acq: 21 Feb 2019 17:43

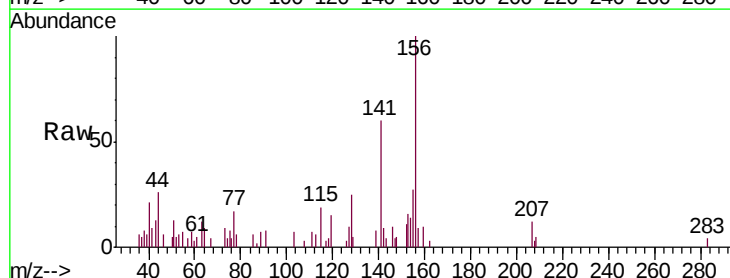
Tgt Ion:119 Resp: 301

Ion Ratio Lower Upper

119 100

134 0.0 13.1 39.3#

91 0.0 12.1 36.3#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.49

400

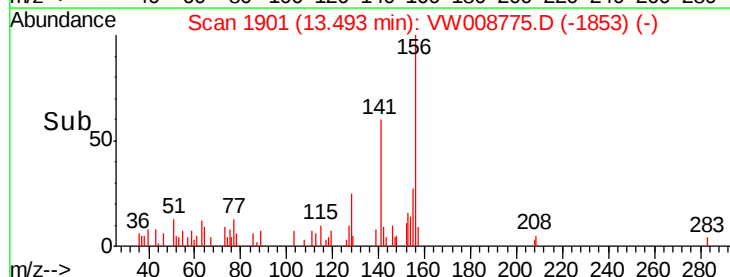
300

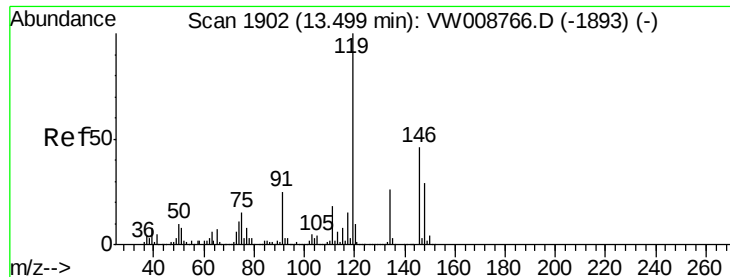
200

100

0

Time-->

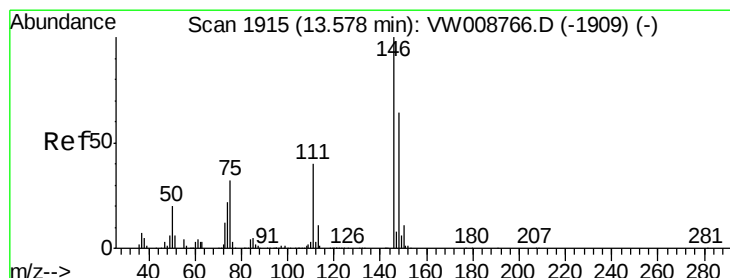
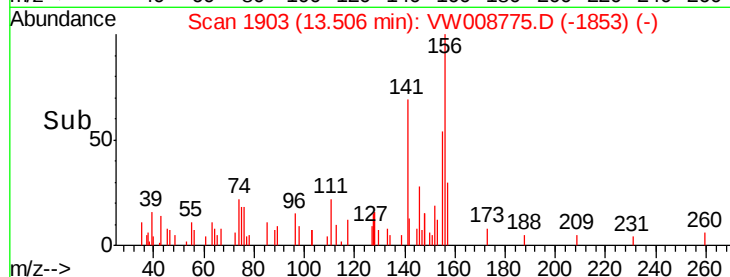
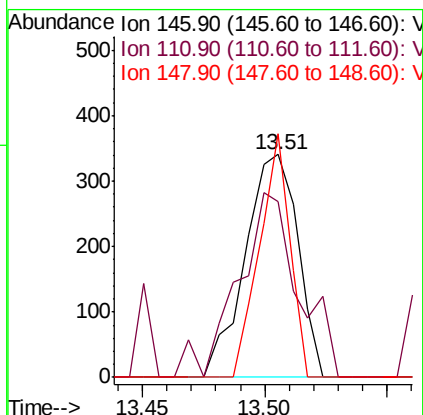
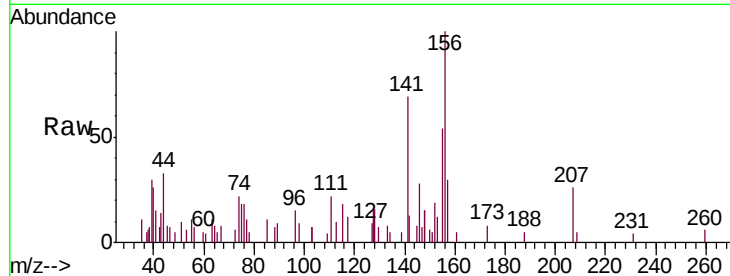




#87
 1,3-Dichlorobenzene
 Concen: 5.304 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW008775.D
 Acq: 21 Feb 2019 17:43

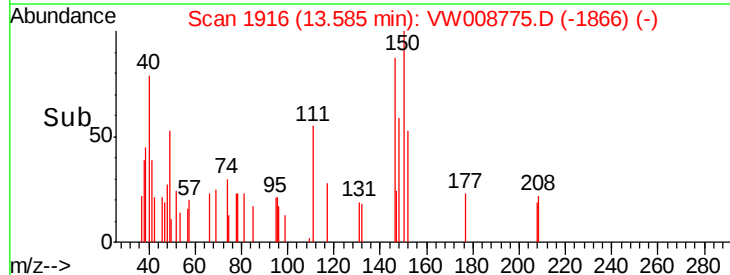
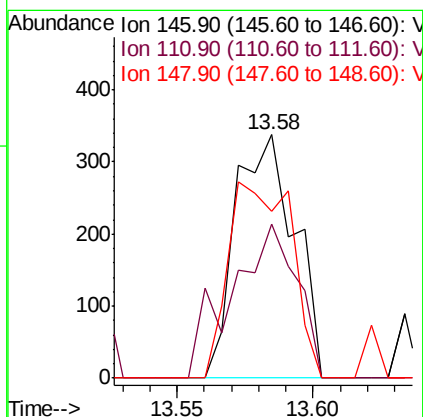
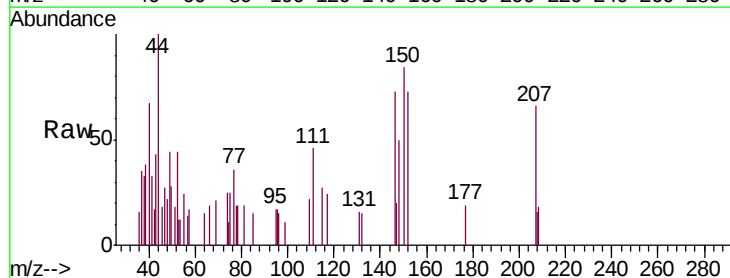
Instrument :
 MSVOA_W
 ClientSampleId :
 DRUM-1-2

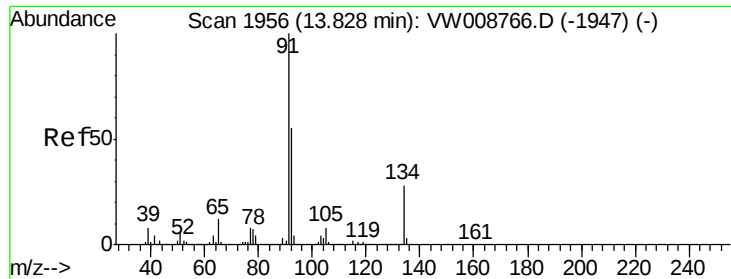
Tgt Ion:146 Resp: 512
 Ion Ratio Lower Upper
 146 100
 111 95.5 19.9 59.7#
 148 63.3 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 5.329 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW008775.D
 Acq: 21 Feb 2019 17:43

Tgt Ion:146 Resp: 507
 Ion Ratio Lower Upper
 146 100
 111 70.4 19.3 57.9#
 148 86.2 31.9 95.9





#89

n-Butylbenzene

Concen: 1.056 ug/l

RT: 14.02 min Scan# 1988

Delta R.T. 0.20 min

Lab File: VW008775.D

Acq: 21 Feb 2019 17:43

Instrument :

MSVOA_W

ClientSampleId :

DRUM-1-2

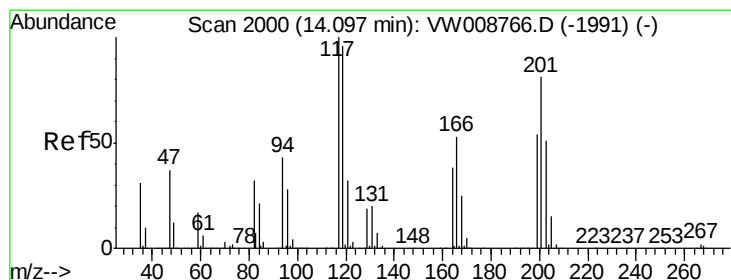
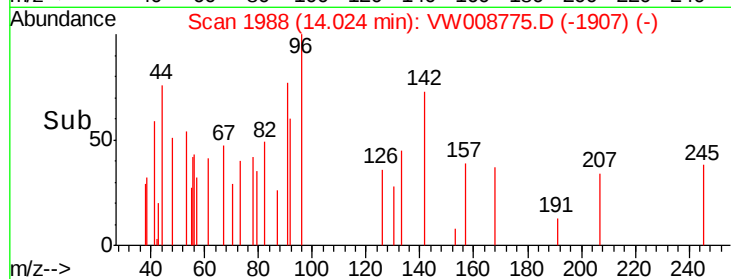
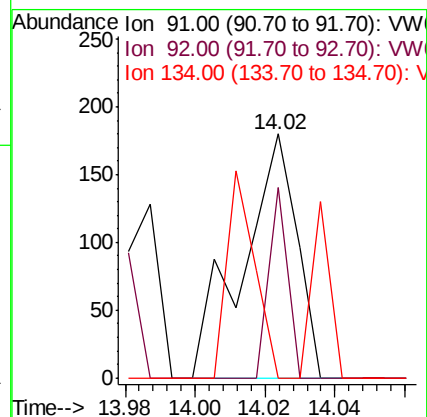
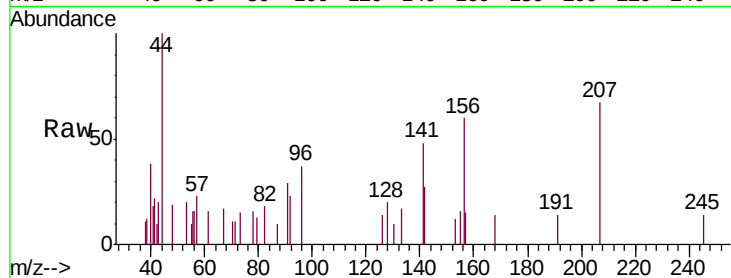
Tgt Ion: 91 Resp: 193

Ion Ratio Lower Upper

91 100

92 26.9 26.8 80.4

134 24.9 13.5 40.4



#90

Hexachloroethane

Concen: 1.002 ug/l

RT: 14.12 min Scan# 2004

Delta R.T. 0.02 min

Lab File: VW008775.D

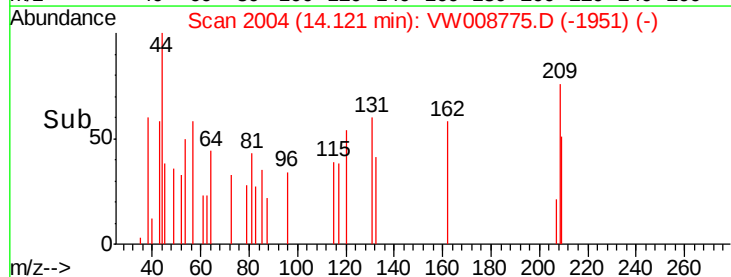
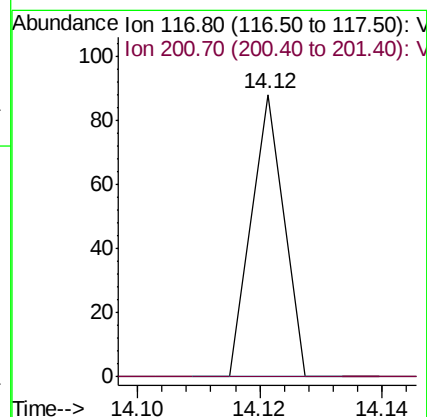
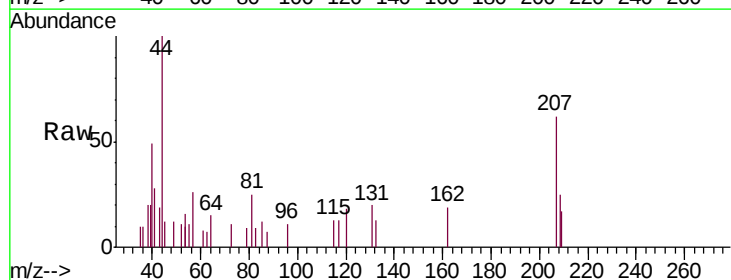
Acq: 21 Feb 2019 17:43

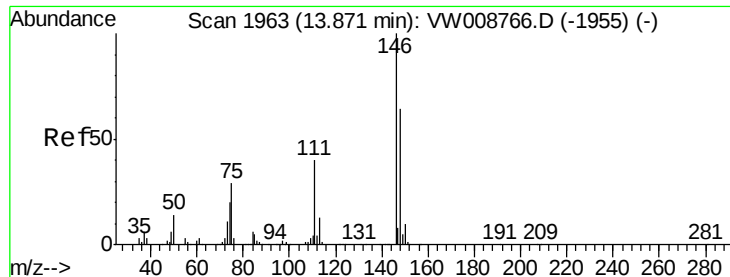
Tgt Ion: 117 Resp: 32

Ion Ratio Lower Upper

117 100

201 0.0 40.3 120.8#





#91

1,2-Dichlorobenzene

Concen: 5.383 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW008775.D

Acq: 21 Feb 2019 17:43

Instrument :

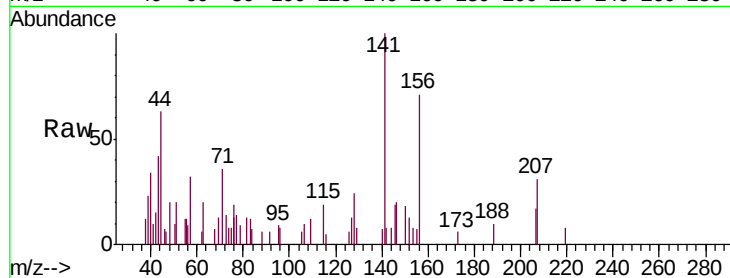
MSVOA_W

ClientSampleId :

DRUM-1-2

Tgt Ion:146 Resp: 463

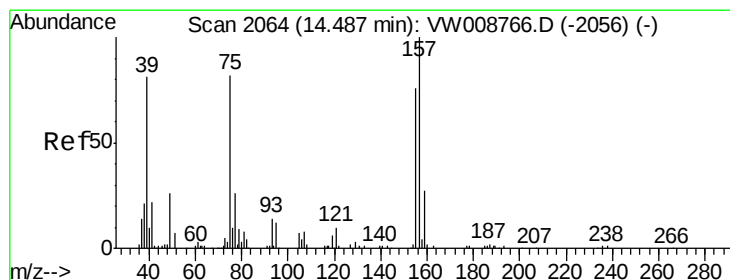
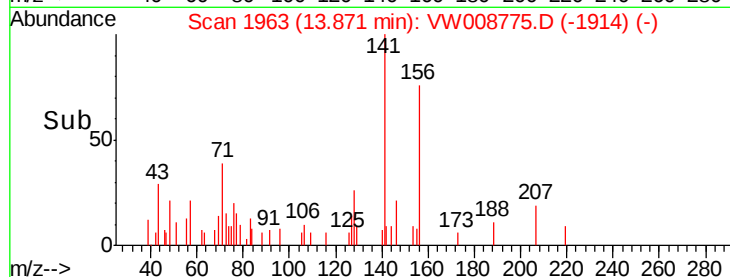
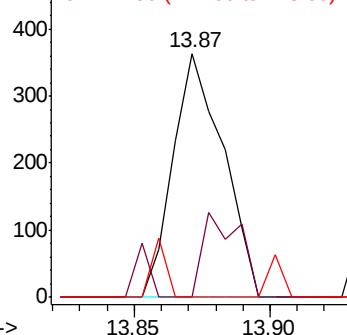
Ion	Ratio	Lower	Upper
146	100		
111	25.7	20.3	60.8
148	0.0	32.5	97.5#



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: 7.733 ug/l

RT: 14.46 min Scan# 2060

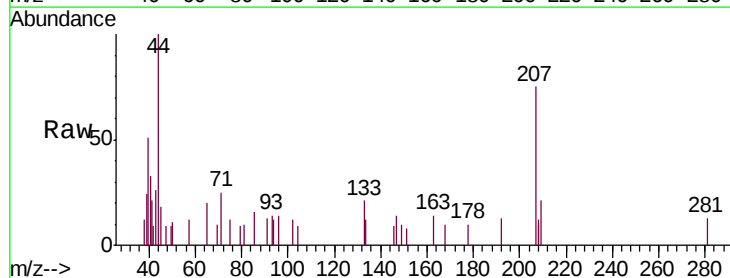
Delta R.T. -0.02 min

Lab File: VW008775.D

Acq: 21 Feb 2019 17:43

Tgt Ion: 75 Resp: 45

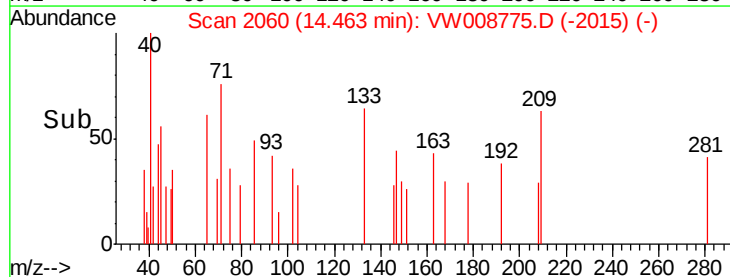
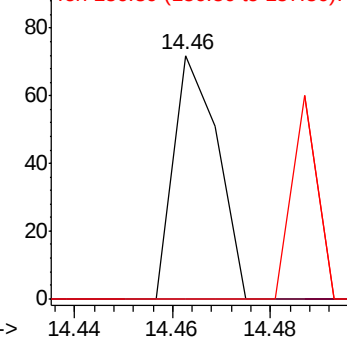
Ion	Ratio	Lower	Upper
75	100		
155	0.0	41.8	125.4#
157	0.0	56.6	169.9#

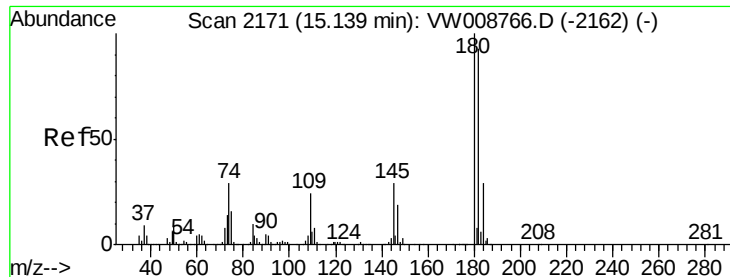


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

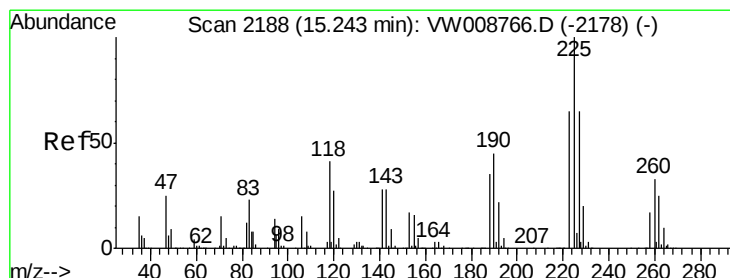
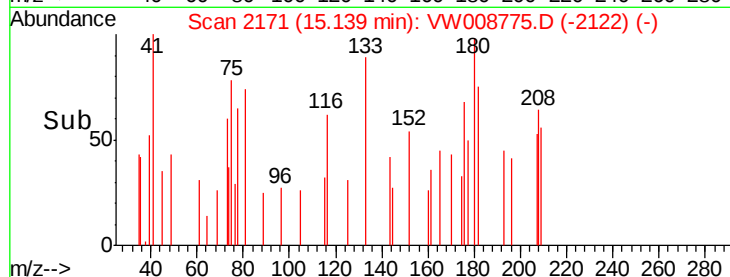
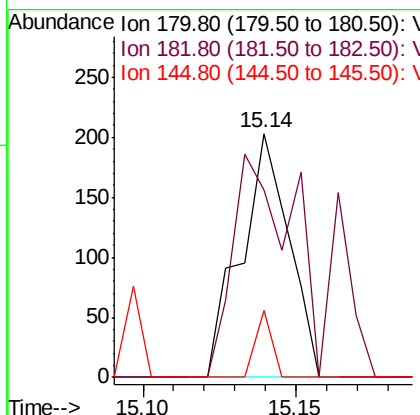
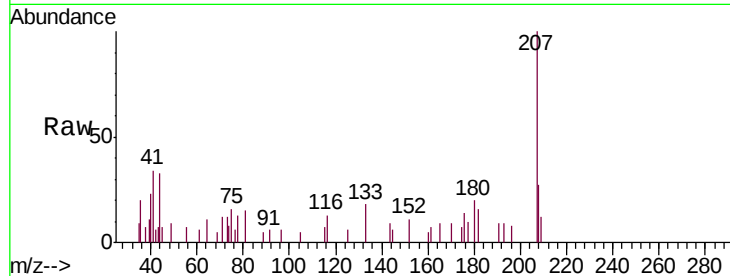




#93
 1,2,4-Trichlorobenzene
 Concen: 3.582 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008775.D
 Acq: 21 Feb 2019 17:43

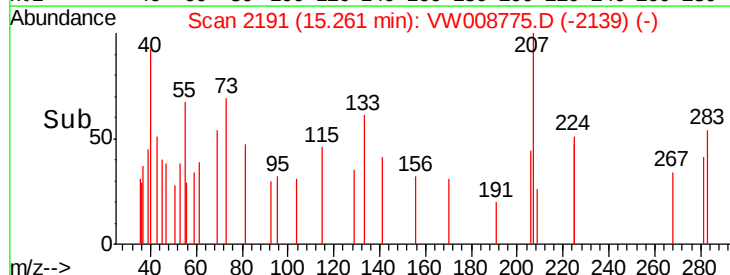
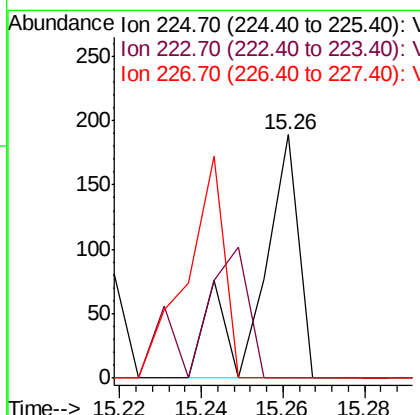
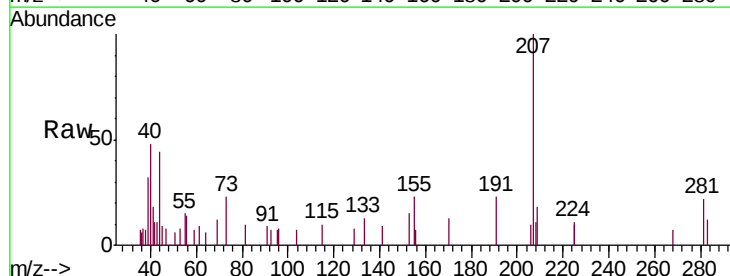
Instrument :
 MSVOA_W
 ClientSampleId :
 DRUM-1-2

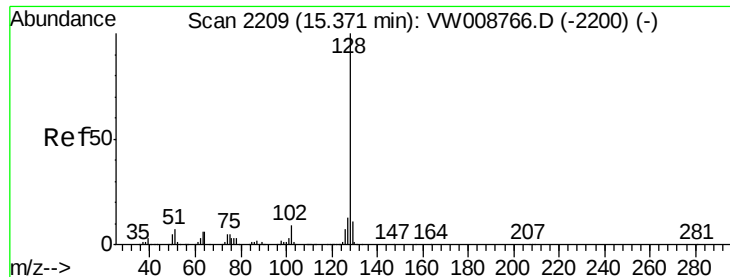
Tgt Ion:180 Resp: 222
 Ion Ratio Lower Upper
 180 100
 182 112.6 47.2 141.6
 145 9.0 14.4 43.0#



#94
 Hexachlorobutadiene
 Concen: 3.424 ug/l
 RT: 15.26 min Scan# 2191
 Delta R.T. 0.02 min
 Lab File: VW008775.D
 Acq: 21 Feb 2019 17:43

Tgt Ion:225 Resp: 125
 Ion Ratio Lower Upper
 225 100
 223 68.8 31.5 94.5
 227 87.2 31.6 94.8

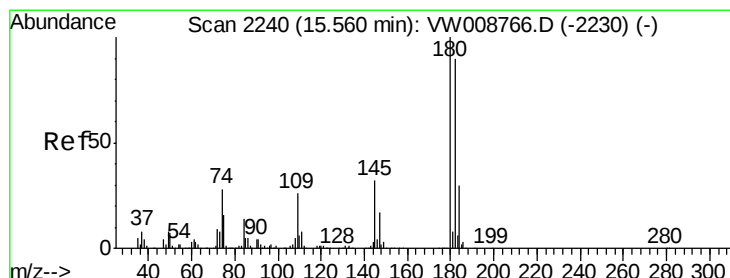
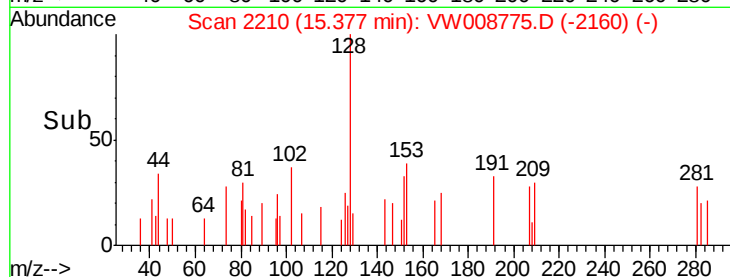
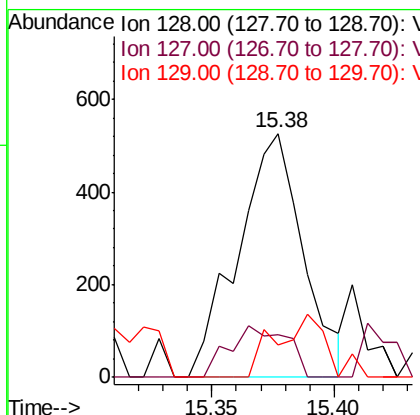
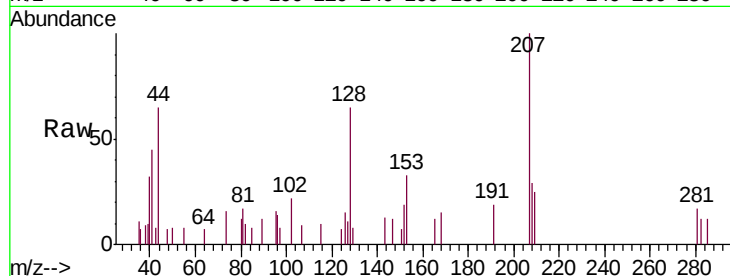




#95
Naphthalene
Concen: 9.278 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW008775.D
Acq: 21 Feb 2019 17:43

Instrument :
MSVOA_W
ClientSampled :
DRUM-1-2

Tgt Ion:128 Resp: 979
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 20.2 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 6.700 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW008775.D
Acq: 21 Feb 2019 17:43

Tgt Ion:180 Resp: 359
Ion Ratio Lower Upper
180 100
182 39.3 46.9 140.8#
145 0.0 15.9 47.6#

