

Data File : VW013132.D
Acq On : 19 Sep 2019 01:05
Operator : SY/VA
Sample : VW0918SBS02
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0918SBS02

Quant Time: Sep 19 08:01:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 13 17:26:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	330126	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	502606	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	431407	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	215137	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	131172	43.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.04%	
35) Dibromofluoromethane	7.88	113	127842	46.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.76%	
50) Toluene-d8	10.32	98	531857	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
62) 4-Bromofluorobenzene	12.62	95	180740	47.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	27887	19.322	ug/l	95
3) Chloromethane	2.21	50	37515	20.778	ug/l	97
4) Vinyl Chloride	2.36	62	47873	20.260	ug/l	92
5) Bromomethane	2.77	94	30089	20.852	ug/l	98
6) Chloroethane	2.92	64	30289	20.900	ug/l	97
7) Trichlorofluoromethane	3.25	101	26340	15.941	ug/l	100
8) Diethyl Ether	3.68	74	29458	22.831	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	52383	20.902	ug/l	98
10) Methyl Iodide	4.27	142	73967	23.583	ug/l	94
11) Tert butyl alcohol	5.18	59	22553	96.420	ug/l #	86
12) 1,1-Dichloroethene	4.04	96	50761	22.276	ug/l	88
13) Acrolein	3.89	56	15192	62.329	ug/l	98
14) Allyl chloride	4.67	41	87556	20.239	ug/l	92
15) Acrylonitrile	5.36	53	68992	104.695	ug/l	99
16) Acetone	4.13	43	59414	76.217	ug/l	92
17) Carbon Disulfide	4.38	76	95733	21.082	ug/l	99
18) Methyl Acetate	4.67	43	46131	26.557	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	95118	21.146	ug/l	93
20) Methylene Chloride	4.92	84	62745	22.634	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	55413	22.705	ug/l	93
22) Diisopropyl ether	6.31	45	187813	20.898	ug/l	98
23) Vinyl Acetate	6.25	43	488095	90.679	ug/l	96
24) 1,1-Dichloroethane	6.21	63	109424	21.118	ug/l	98
25) 2-Butanone	7.17	43	89173	91.979	ug/l	97
26) 2,2-Dichloropropane	7.17	77	64024	16.570	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	65974	22.579	ug/l	93
28) Bromochloromethane	7.51	49	41195	18.889	ug/l	92
29) Tetrahydrofuran	7.53	42	56914	103.030	ug/l	95
30) Chloroform	7.68	83	109991	20.891	ug/l	94
31) Cyclohexane	7.95	56	90493	20.781	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	83195	19.188	ug/l	96
36) 1,1-Dichloropropene	8.08	75	79950	19.907	ug/l	97
37) Ethyl Acetate	7.25	43	39885	18.710	ug/l	97
38) Carbon Tetrachloride	8.06	117	74563	18.116	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	92015	20.908	ug/l	94
40) Benzene	8.32	78	242013	21.585	ug/l	100
41) Methacrylonitrile	7.48	41	24061	17.139	ug/l	92
42) 1,2-Dichloroethane	8.40	62	67931	18.074	ug/l	95
43) Isopropyl Acetate	8.42	43	73433	17.941	ug/l	94
44) Trichloroethene	9.09	130	66502	21.654	ug/l	84
45) 1,2-Dichloropropane	9.37	63	62937	21.128	ug/l	97
46) Dibromomethane	9.46	93	29169	20.438	ug/l	96
47) Bromodichloromethane	9.64	83	77853	19.448	ug/l	99
48) Methyl methacrylate	9.43	41	35012	18.226	ug/l	91
49) 1,4-Dioxane	9.46	88	9262	387.303	ug/l #	75
51) 4-Methyl-2-Pentanone	10.21	43	198123	93.756	ug/l	94
52) Toluene	10.38	92	155194	21.783	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	74849	18.591	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	89882	19.511	ug/l	91
55) 1,1,2-Trichloroethane	10.79	97	47086	21.657	ug/l	97
56) Ethyl methacrylate	10.65	69	61105	20.880	ug/l #	88
57) 1,3-Dichloropropane	10.93	76	82553	21.405	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	156408	99.633	ug/l	97
59) 2-Hexanone	10.97	43	131194	89.161	ug/l	95
60) Dibromochloromethane	11.13	129	52307	19.900	ug/l	100
61) 1,2-Dibromoethane	11.23	107	42319	21.337	ug/l	99
64) Tetrachloroethene	10.86	164	59921	23.348	ug/l	96
65) Chlorobenzene	11.66	112	166047	21.608	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	60121	20.416	ug/l	98
67) Ethyl Benzene	11.73	91	297538	20.965	ug/l	98
68) m/p-Xylenes	11.84	106	224713	43.343	ug/l	95
69) o-Xylene	12.16	106	108415	22.305	ug/l	93
70) Styrene	12.18	104	188303	21.778	ug/l	95
71) Bromoform	12.35	173	30459	19.692	ug/l #	99
73) Isopropylbenzene	12.46	105	301893	21.171	ug/l	100
74) N-amyl acetate	12.27	43	63476	17.304	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.71	83	53695	21.439	ug/l	97
76) 1,2,3-Trichloropropane	12.76	75	66152	35.105	ug/l #	100
77) Bromobenzene	12.74	156	70247	21.383	ug/l	96
78) n-propylbenzene	12.80	91	345878	20.620	ug/l	98
79) 2-Chlorotoluene	12.89	91	201891	20.937	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	250023	20.725	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.51	75	15244	18.351	ug/l	89
82) 4-Chlorotoluene	12.99	91	209187	20.561	ug/l	98
83) tert-Butylbenzene	13.20	119	226833	21.021	ug/l	96
84) 1,2,4-Trimethylbenzene	13.25	105	254133	21.318	ug/l	99
85) sec-Butylbenzene	13.38	105	305888	20.806	ug/l	100
86) p-Isopropyltoluene	13.50	119	286921	21.257	ug/l	97
87) 1,3-Dichlorobenzene	13.50	146	137793	21.189	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	137181	21.466	ug/l	99
89) n-Butylbenzene	13.82	91	250665	19.692	ug/l	98
90) Hexachloroethane	14.09	117	47638	19.694	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	122956	21.500	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8200	17.887	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091819\
Quantitation Report (Not Reviewed)

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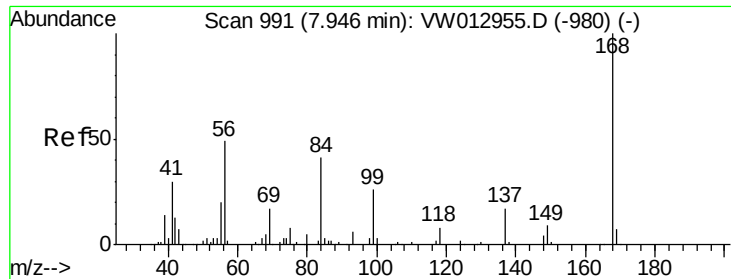
Quant Time: Sep 19 08:01:19 2019
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QLast Update : Fri Sep 13 17:26:01 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	85065	20.857	ug/l	98
94) Hexachlorobutadiene	15.24	225	57215	19.816	ug/l	97
95) Naphthalene	15.36	128	148171	21.743	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	74972	20.795	ug/l	99

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

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013132.D

Acq: 19 Sep 2019 01:05

Instrument :

MSVOA_W

ClientSampleId :

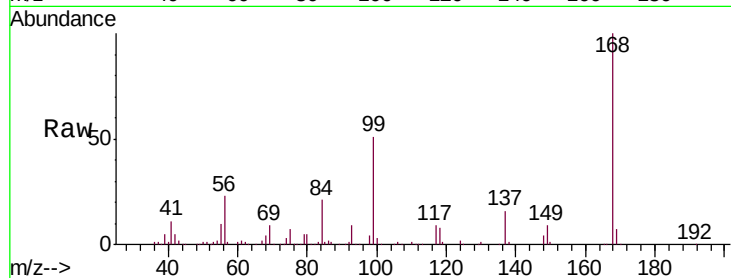
VW0918SBS02

Tgt Ion:168 Resp: 330126

Ion Ratio Lower Upper

168 100

99 51.0 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

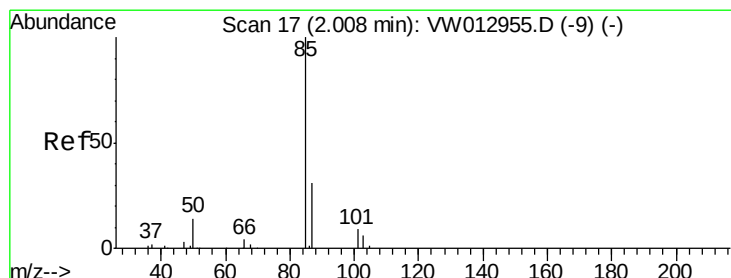
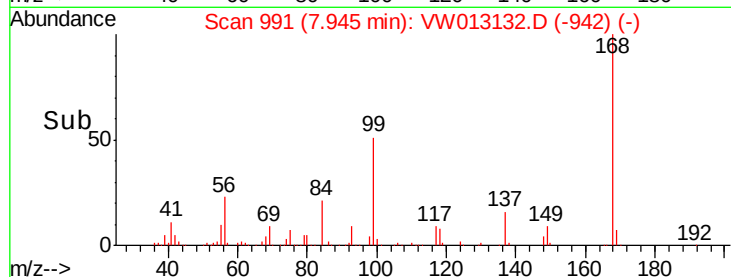
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 19.322 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013132.D

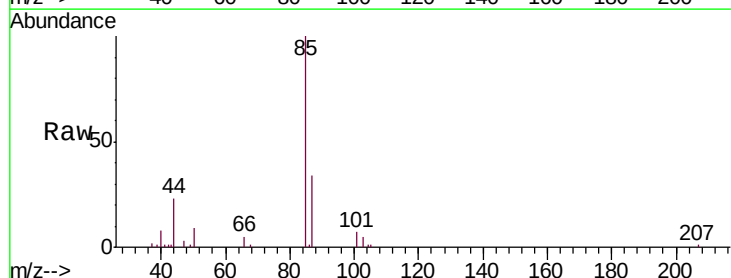
Acq: 19 Sep 2019 01:05

Tgt Ion: 85 Resp: 27887

Ion Ratio Lower Upper

85 100

87 33.5 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

6000

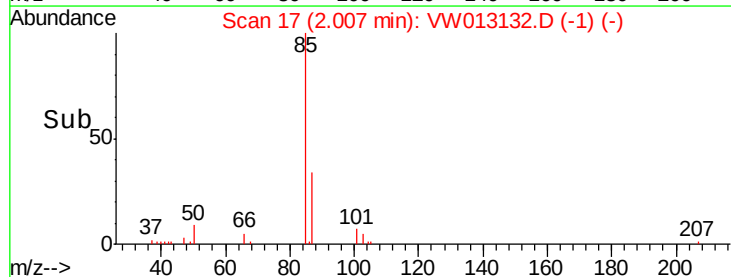
4000

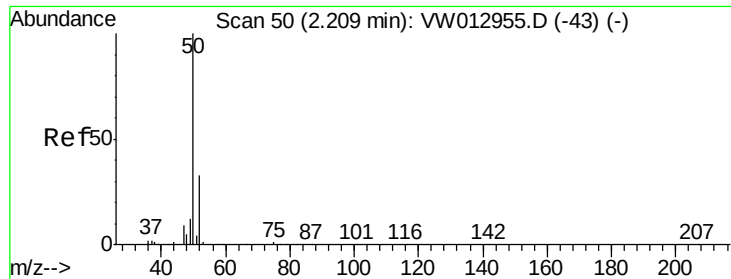
2000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 20.778 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013132.D

Acq: 19 Sep 2019 01:05

Instrument :

MSVOA_W

ClientSampleId :

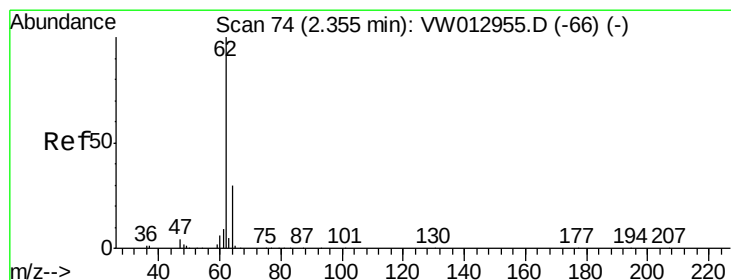
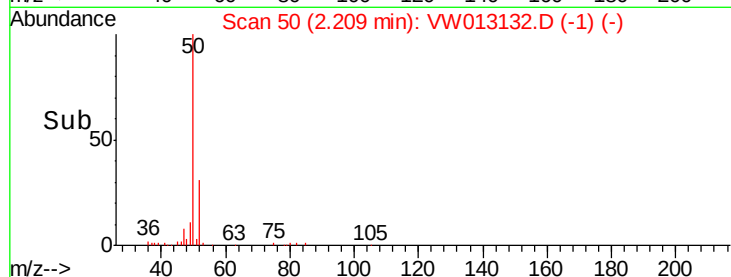
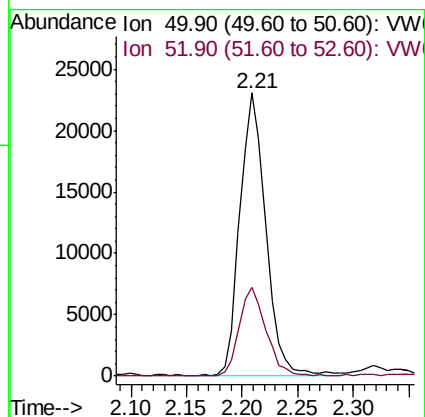
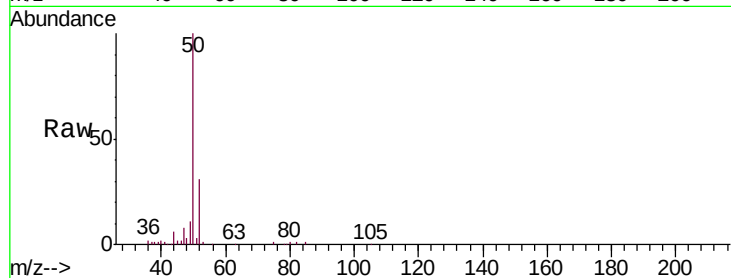
VW0918SBS02

Tgt Ion: 50 Resp: 37515

Ion Ratio Lower Upper

50 100

52 31.4 26.6 39.8



#4

Vinyl Chloride

Concen: 20.260 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW013132.D

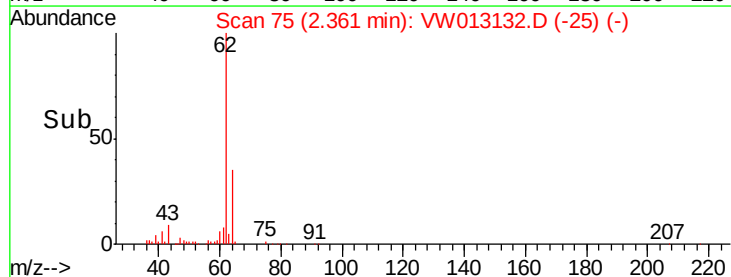
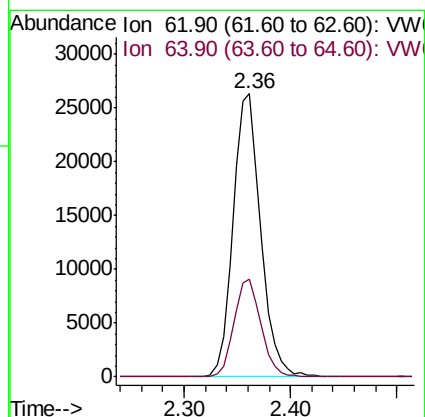
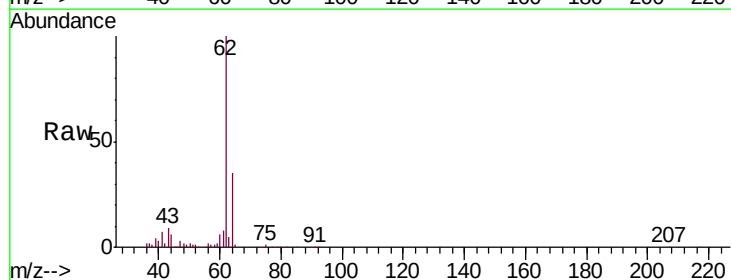
Acq: 19 Sep 2019 01:05

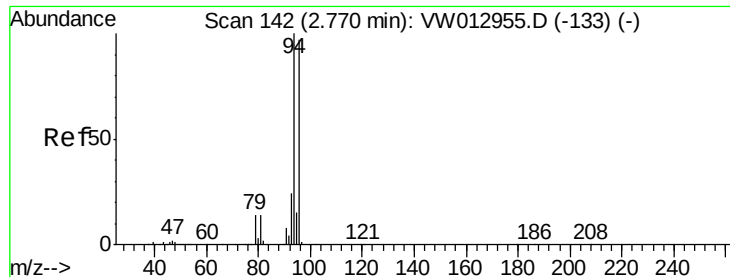
Tgt Ion: 62 Resp: 47873

Ion Ratio Lower Upper

62 100

64 34.6 24.2 36.4





#5

Bromomethane

Concen: 20.852 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW013132.D

Acq: 19 Sep 2019 01:05

Instrument :

MSVOA_W

ClientSampleId :

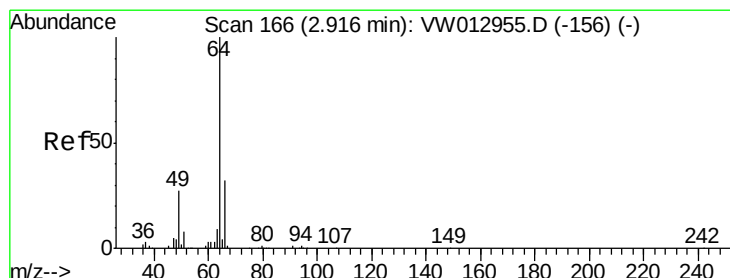
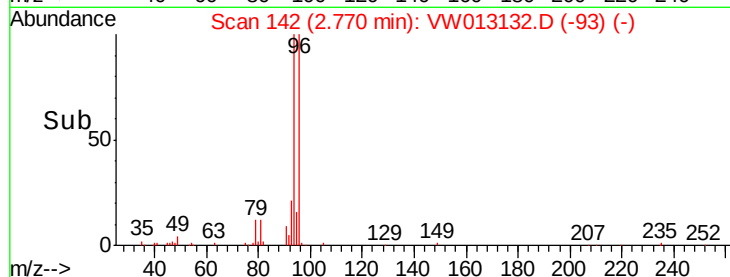
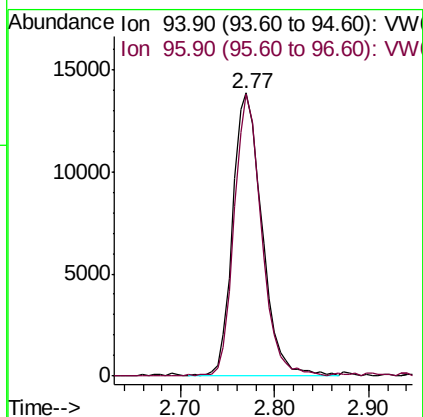
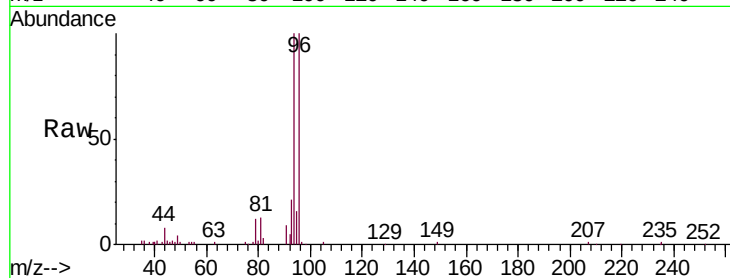
VW0918SBS02

Tgt Ion: 94 Resp: 30089

Ion Ratio Lower Upper

94 100

96 98.8 77.8 116.6



#6

Chloroethane

Concen: 20.900 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW013132.D

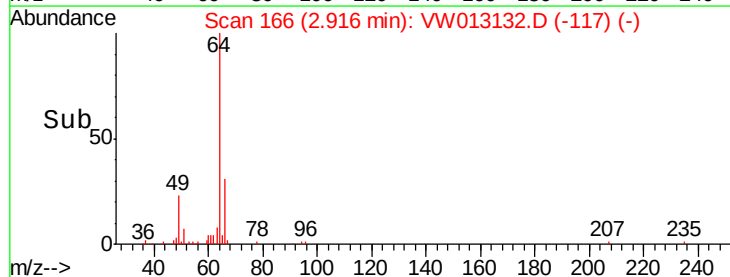
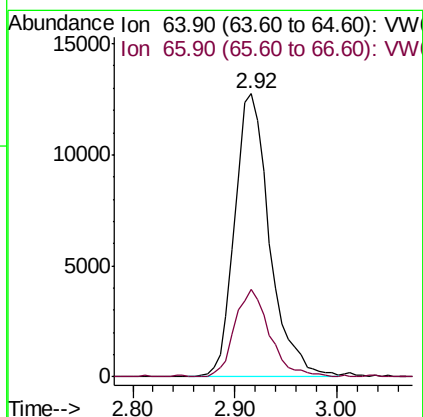
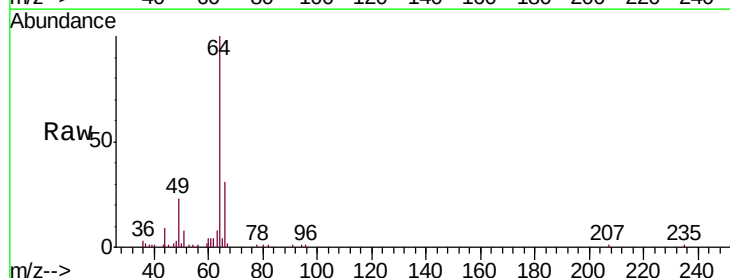
Acq: 19 Sep 2019 01:05

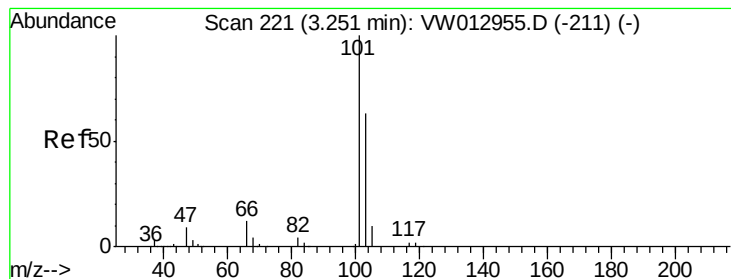
Tgt Ion: 64 Resp: 30289

Ion Ratio Lower Upper

64 100

66 30.8 25.9 38.9



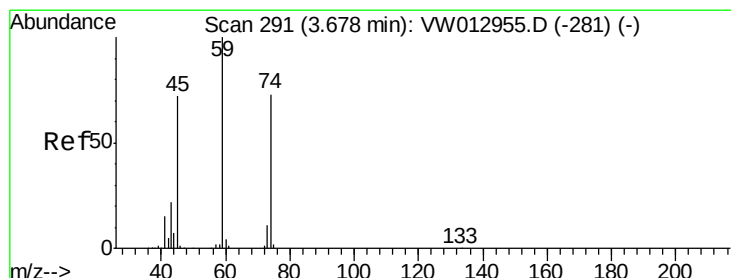
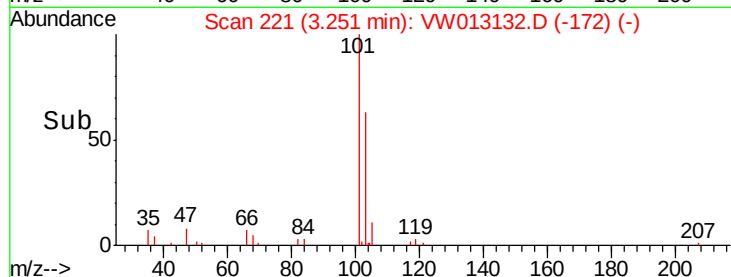
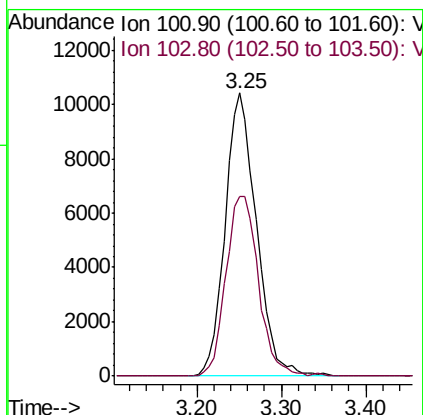
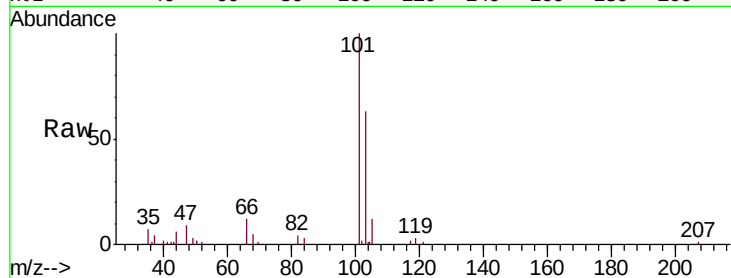


#7

Trichlorofluoromethane
 Concen: 15.941 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
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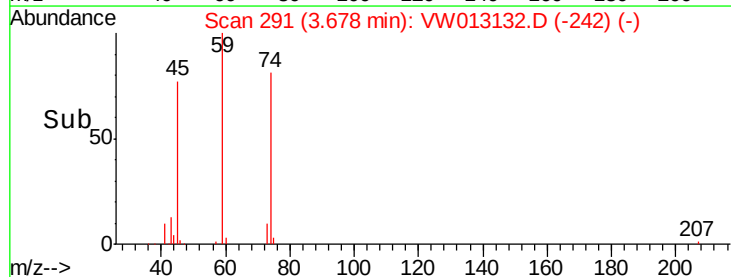
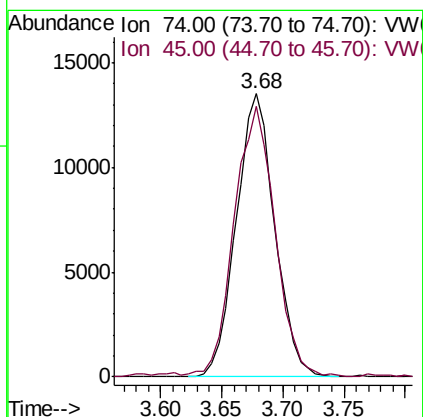
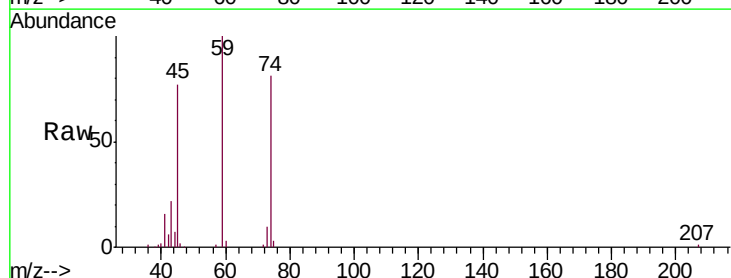
Tgt Ion:101 Resp: 26340
 Ion Ratio Lower Upper
 101 100
 103 63.5 50.7 76.1

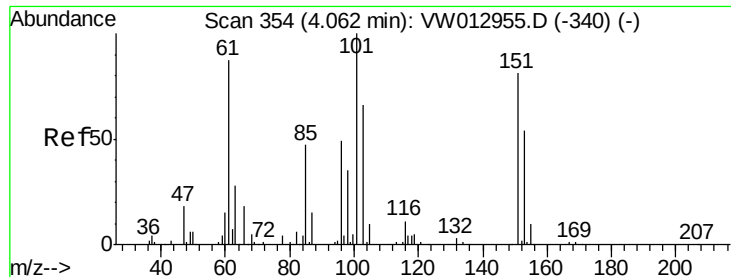


#8

Diethyl Ether
 Concen: 22.831 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013132.D
 Acq: 19 Sep 2019 01:05

Tgt Ion: 74 Resp: 29458
 Ion Ratio Lower Upper
 74 100
 45 101.8 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.902 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013132.D

Acq: 19 Sep 2019 01:05

Instrument :

MSVOA_W

ClientSampleId :

VW0918SBS02

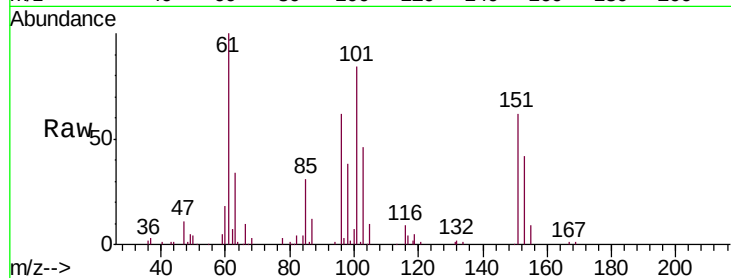
Tgt Ion:101 Resp: 52383

Ion Ratio Lower Upper

101 100

85 41.4 34.9 52.3

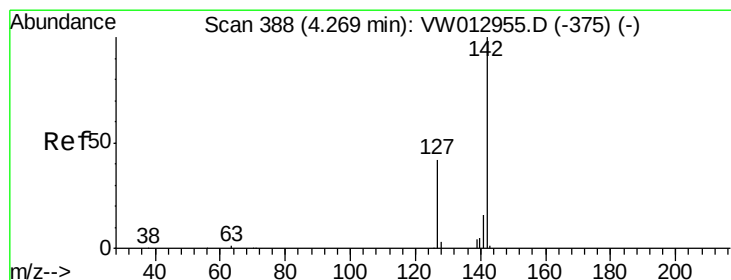
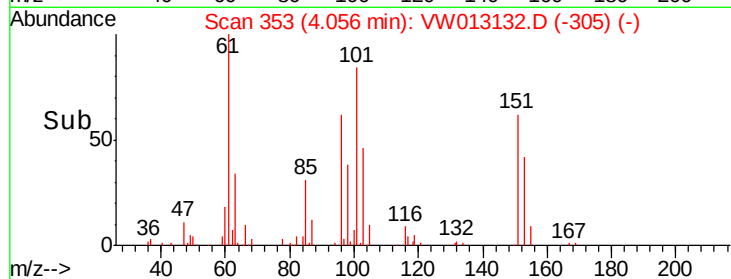
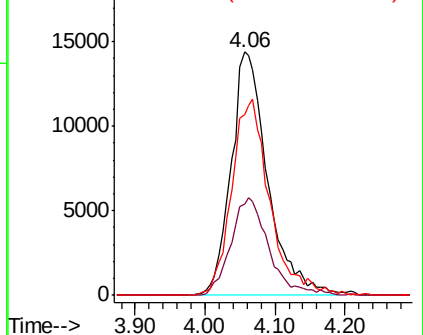
151 83.4 66.0 99.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 23.583 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW013132.D

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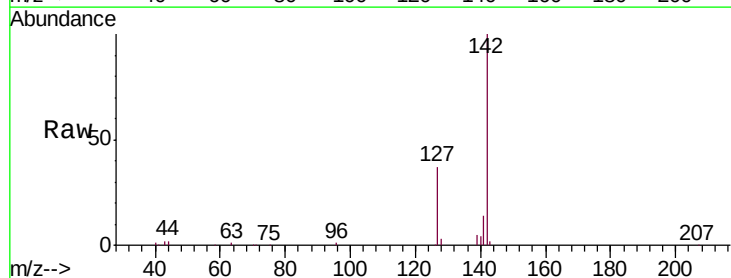
Tgt Ion:142 Resp: 73967

Ion Ratio Lower Upper

142 100

127 38.3 34.7 52.1

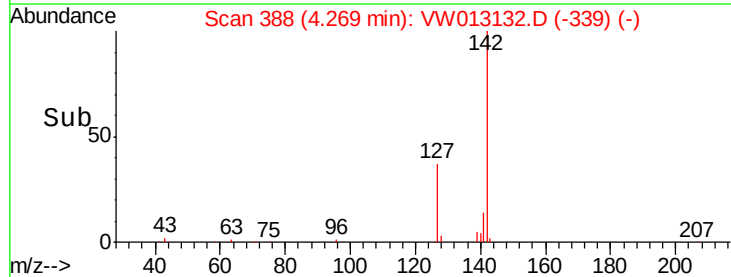
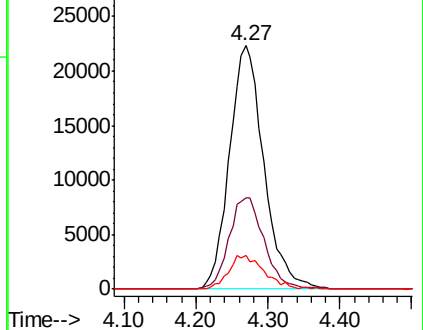
141 14.3 12.2 18.2

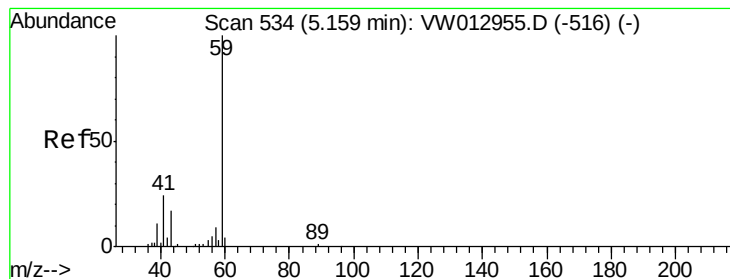


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



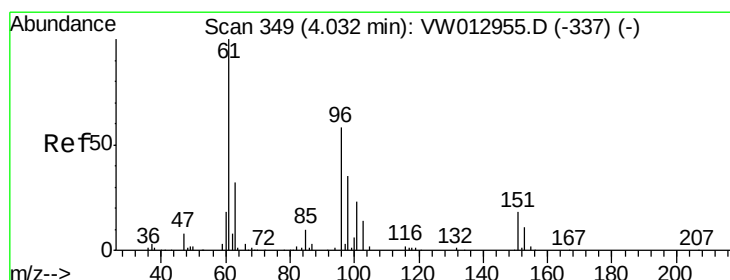
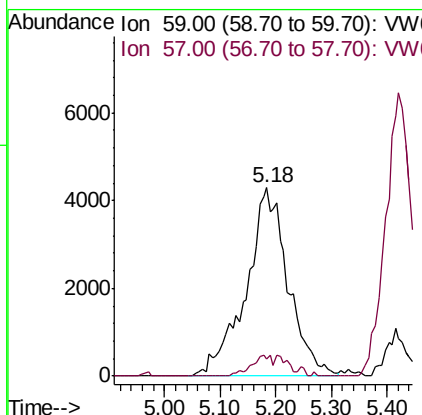
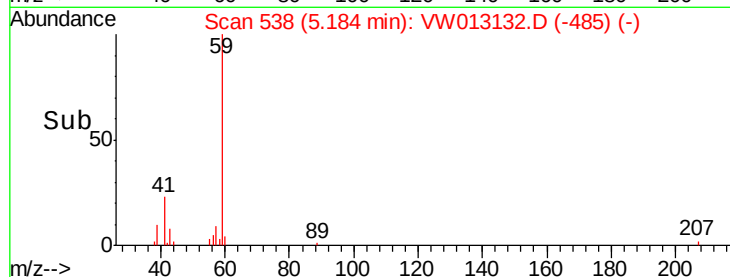
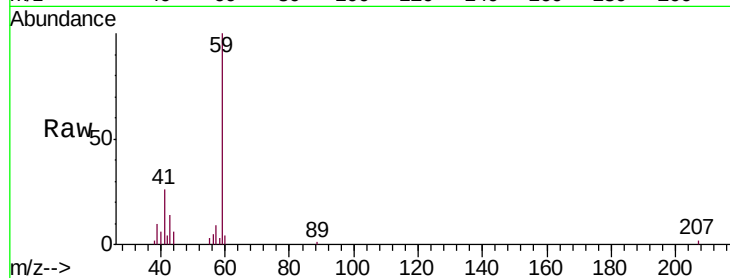


#11

Tert butyl alcohol
 Concen: 96.420 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.02 min
 Lab File: VW013132.D
 Acq: 19 Sep 2019 01:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBS02

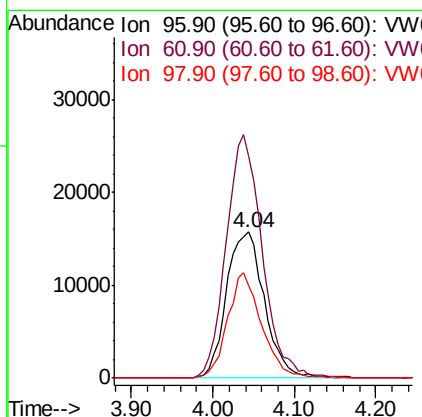
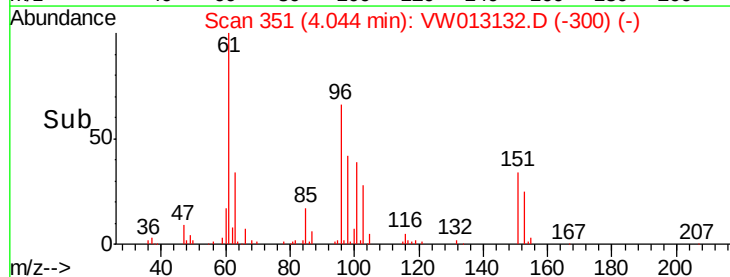
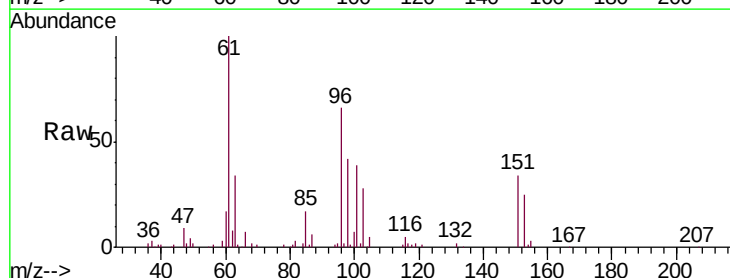
Tgt Ion: 59 Resp: 22553
 Ion Ratio Lower Upper
 59 100
 57 5.4 8.5 12.7#

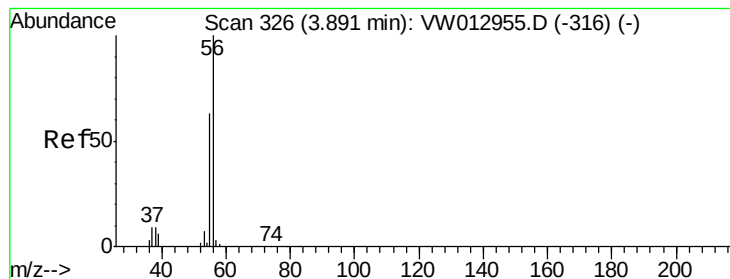


#12

1,1-Dichloroethene
 Concen: 22.276 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.01 min
 Lab File: VW013132.D
 Acq: 19 Sep 2019 01:05

Tgt Ion: 96 Resp: 50761
 Ion Ratio Lower Upper
 96 100
 61 151.6 137.9 206.9
 98 63.1 48.9 73.3





#13

Acrolein

Concen: 62.329 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW013132.D

Acq: 19 Sep 2019 01:05

Instrument :

MSVOA_W

ClientSampleId :

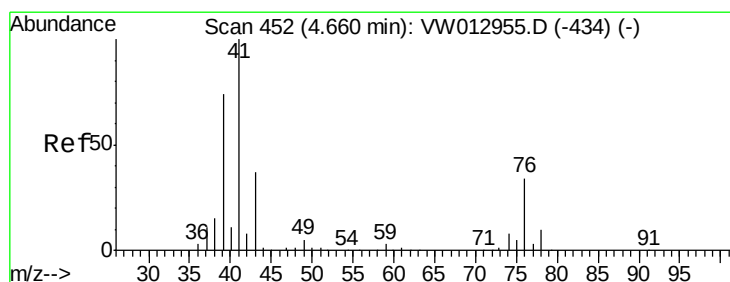
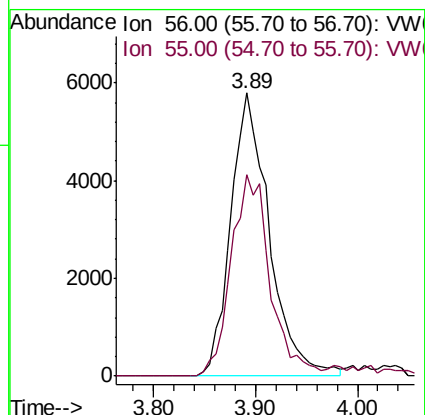
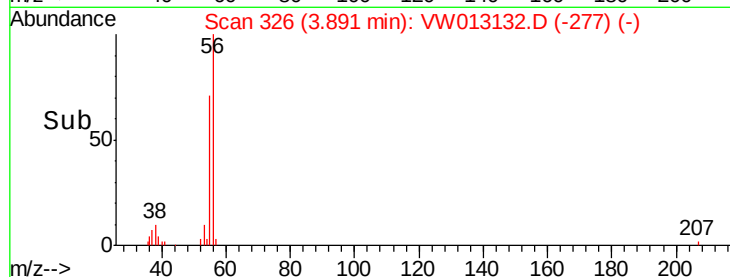
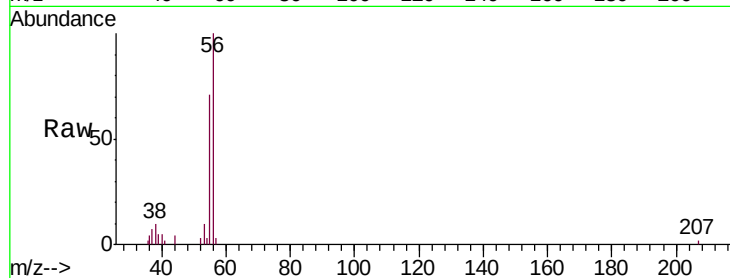
VW0918SBS02

Tgt Ion: 56 Resp: 15192

Ion Ratio Lower Upper

56 100

55 71.3 55.8 83.8



#14

Allyl chloride

Concen: 20.239 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013132.D

Acq: 19 Sep 2019 01:05

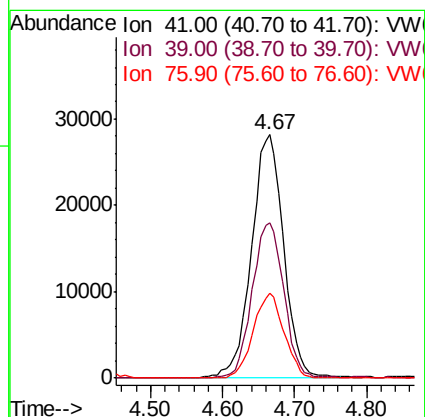
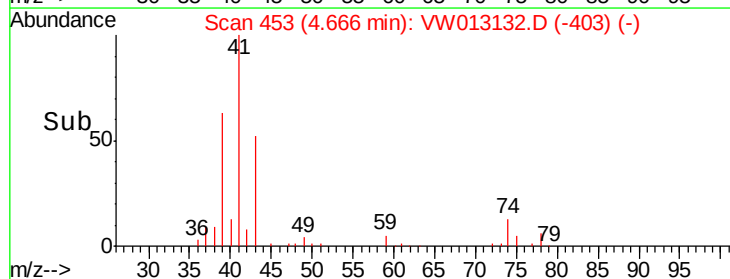
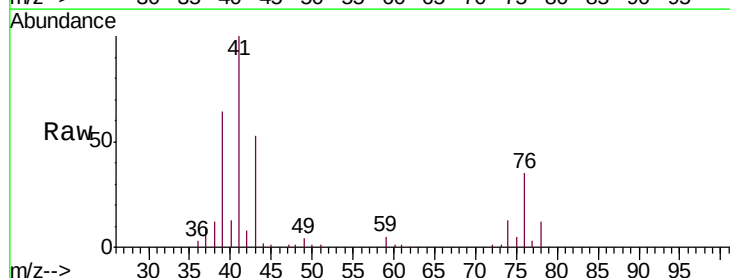
Tgt Ion: 41 Resp: 87556

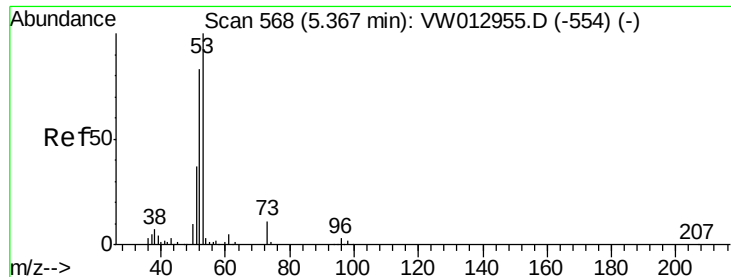
Ion Ratio Lower Upper

41 100

39 62.8 56.7 85.1

76 33.2 25.1 37.7





#15

Acrylonitrile

Concen: 104.695 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013132.D

Acq: 19 Sep 2019 01:05

Instrument :

MSVOA_W

ClientSampleId :

VW0918SBS02

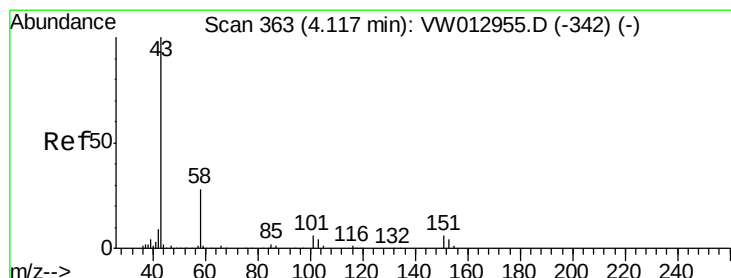
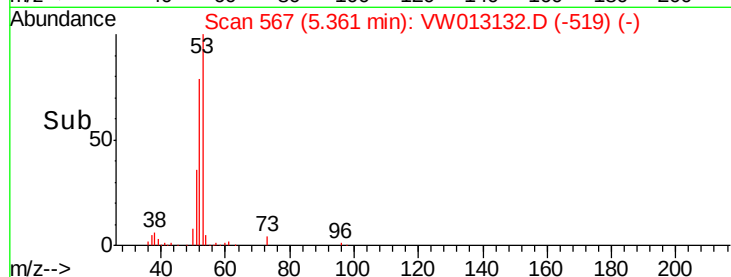
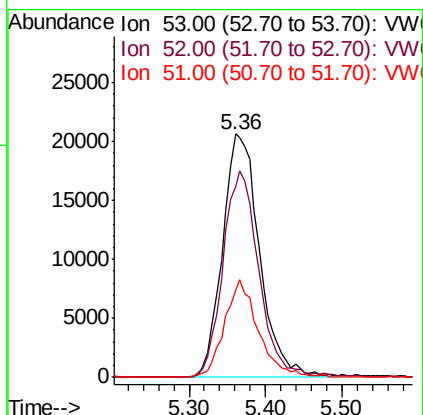
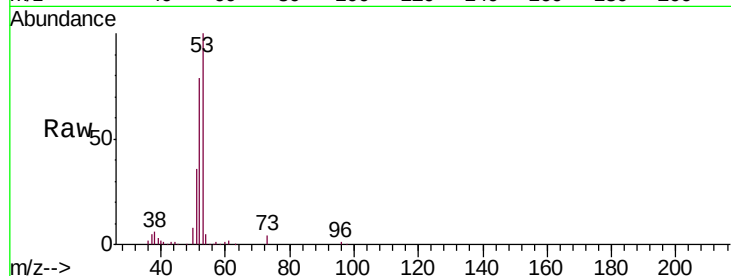
Tgt Ion: 53 Resp: 68992

Ion Ratio Lower Upper

53 100

52 82.0 66.6 100.0

51 36.9 29.8 44.8



#16

Acetone

Concen: 76.217 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW013132.D

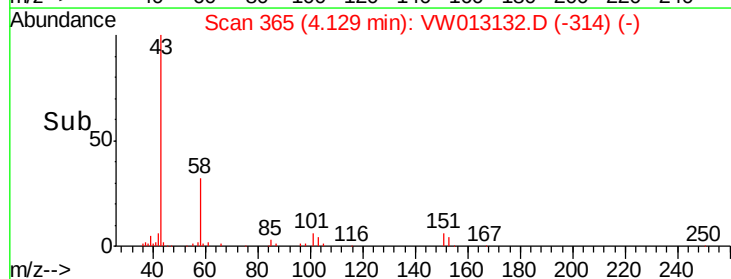
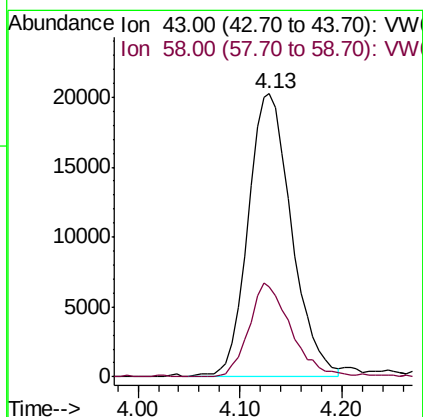
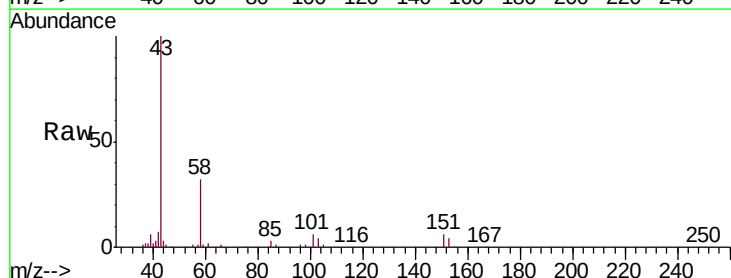
Acq: 19 Sep 2019 01:05

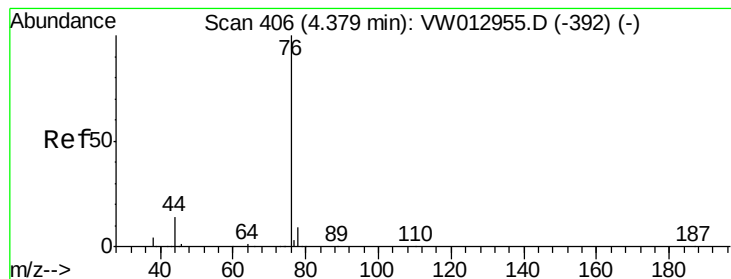
Tgt Ion: 43 Resp: 59414

Ion Ratio Lower Upper

43 100

58 32.1 22.3 33.5





#17

Carbon Disulfide

Concen: 21.082 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW013132.D

Acq: 19 Sep 2019 01:05

Instrument :

MSVOA_W

ClientSampleId :

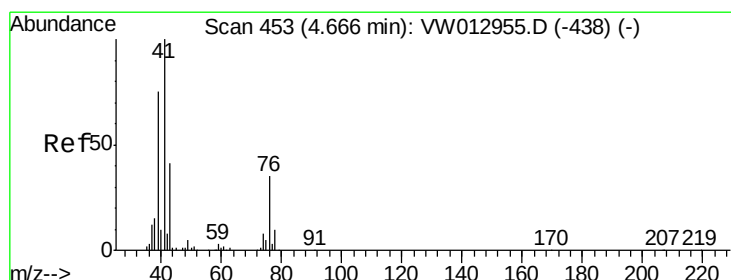
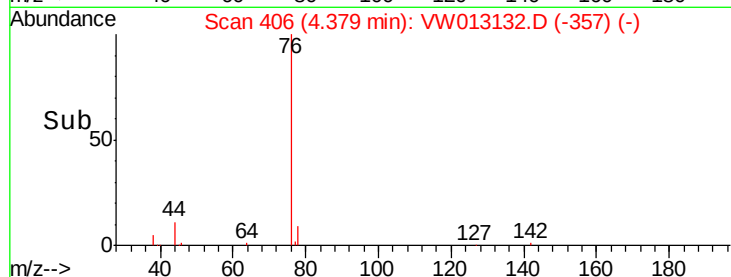
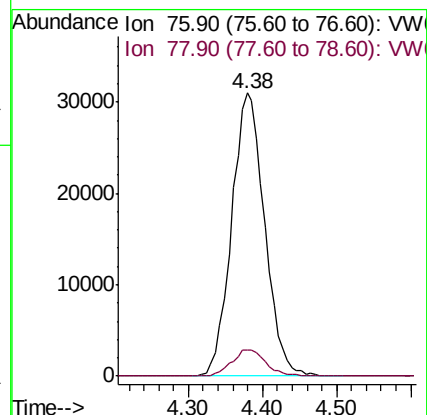
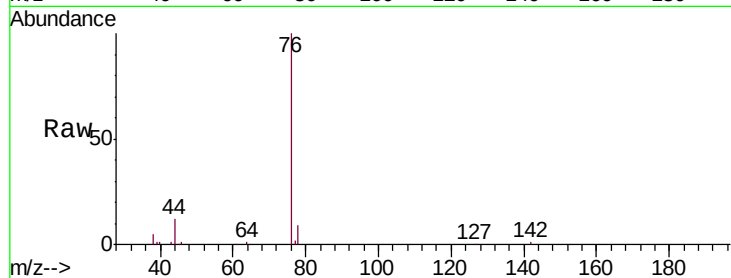
VW0918SBS02

Tgt Ion: 76 Resp: 95733

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.4



#18

Methyl Acetate

Concen: 26.557 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013132.D

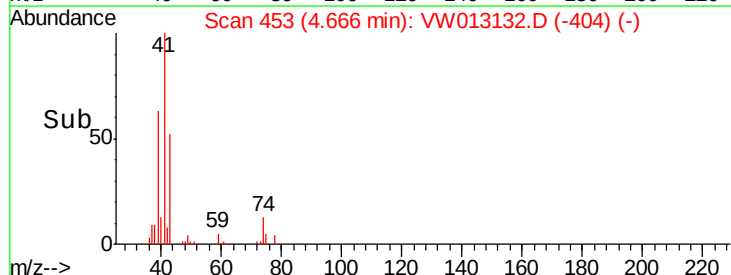
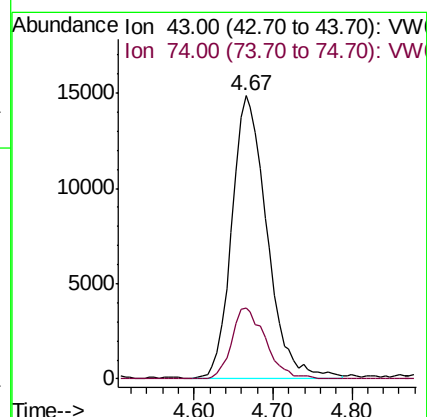
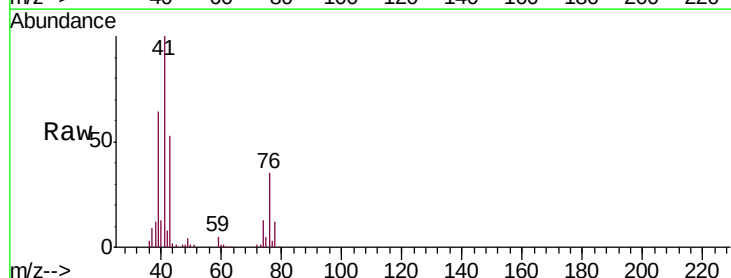
Acq: 19 Sep 2019 01:05

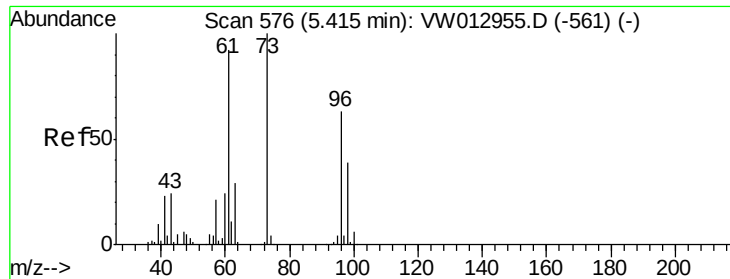
Tgt Ion: 43 Resp: 46131

Ion Ratio Lower Upper

43 100

74 24.1 17.8 26.8

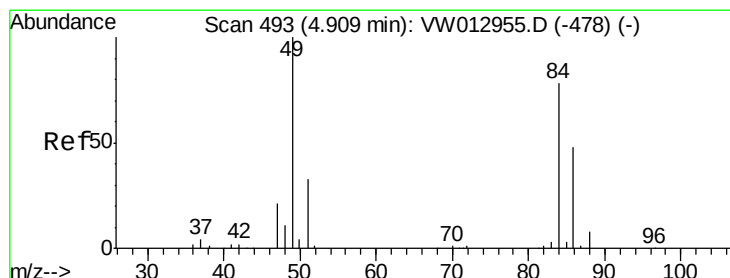
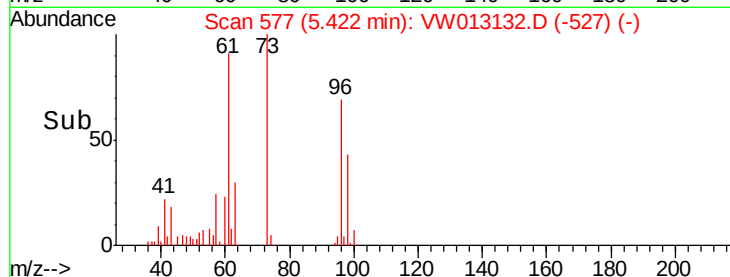
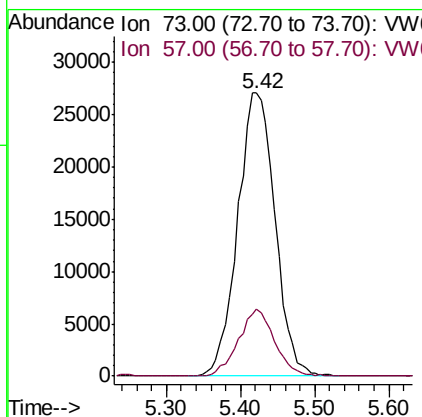
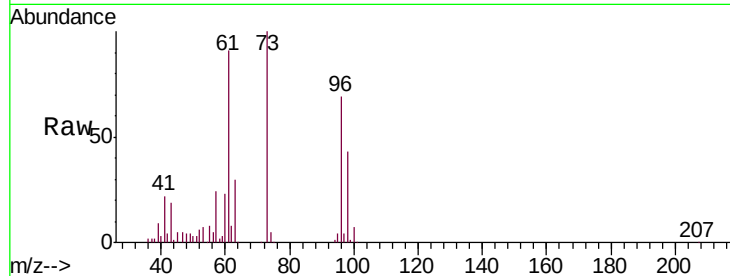




#19
Methyl tert-butyl Ether
Concen: 21.146 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW013132.D
Acq: 19 Sep 2019 01:05

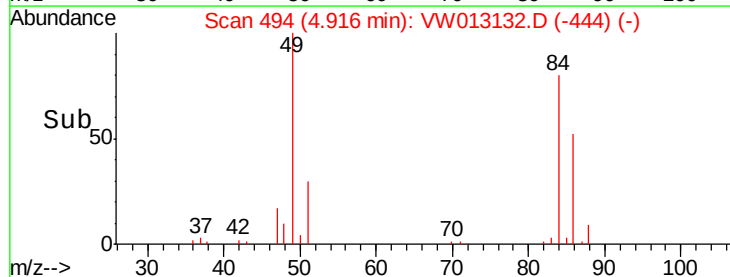
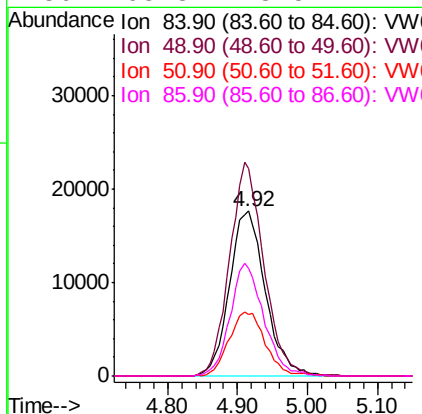
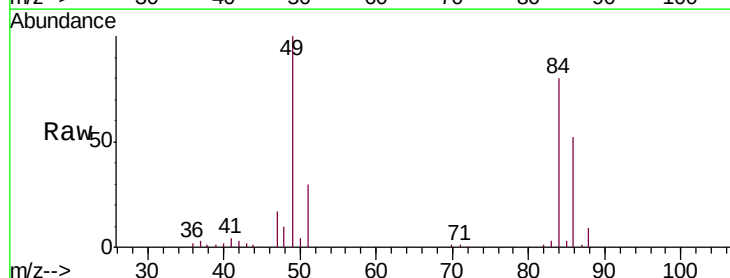
Instrument :
MSVOA_W
ClientSampleId :
VW0918SBS02

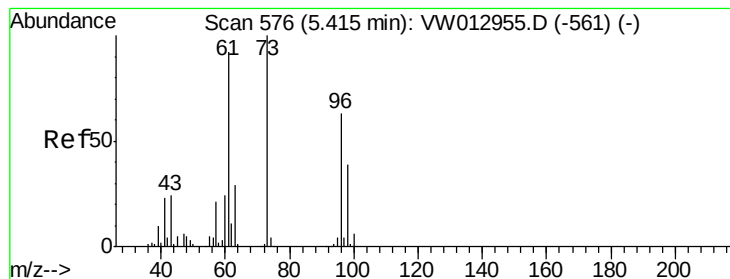
Tgt Ion: 73 Resp: 95118
Ion Ratio Lower Upper
73 100
57 23.8 16.4 24.6



#20
Methylene Chloride
Concen: 22.634 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013132.D
Acq: 19 Sep 2019 01:05

Tgt Ion: 84 Resp: 62745
Ion Ratio Lower Upper
84 100
49 125.6 102.0 153.0
51 37.3 34.0 51.0
86 65.3 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 22.705 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW013132.D

Acq: 19 Sep 2019 01:05

Instrument :

MSVOA_W

ClientSampleId :

VW0918SBS02

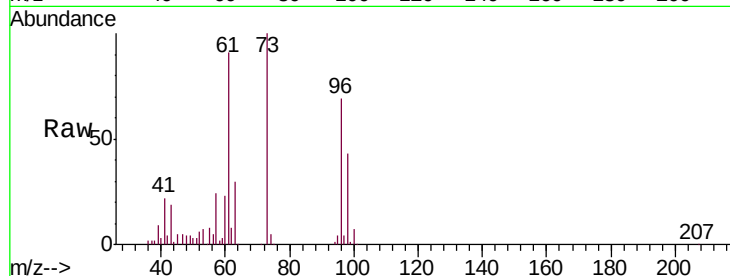
Tgt Ion: 96 Resp: 55413

Ion Ratio Lower Upper

96 100

61 132.8 116.2 174.2

98 62.0 49.8 74.6

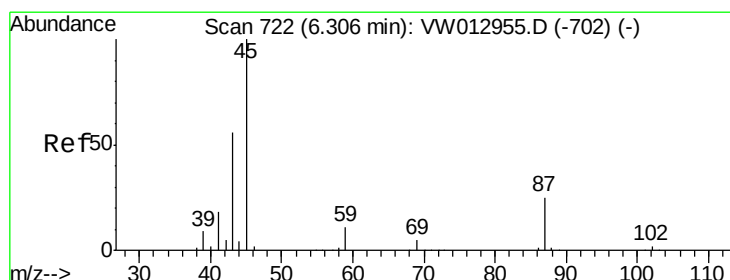
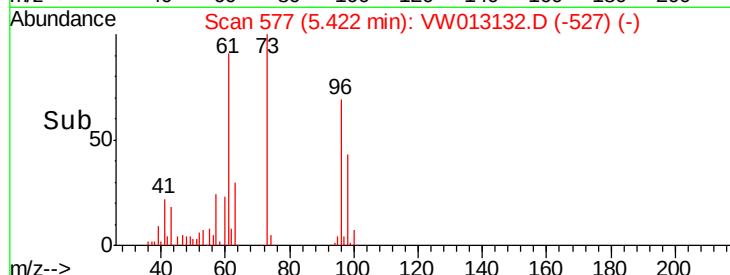
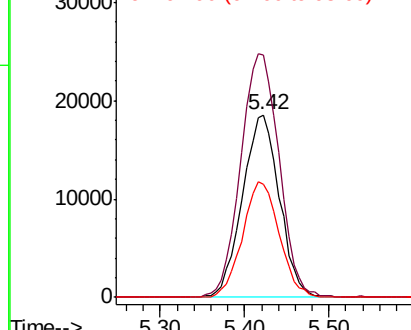


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 20.898 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013132.D

Acq: 19 Sep 2019 01:05

Tgt Ion: 45 Resp: 187813

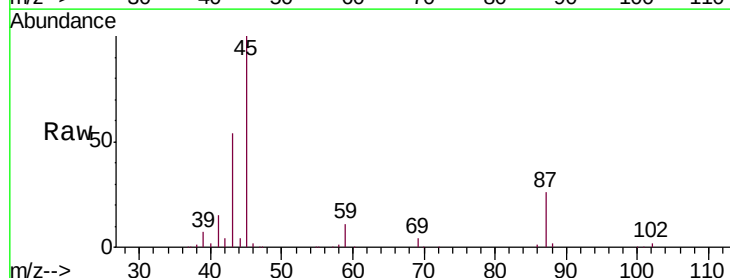
Ion Ratio Lower Upper

45 100

43 53.9 44.6 67.0

87 25.6 20.0 30.0

59 11.3 8.7 13.1



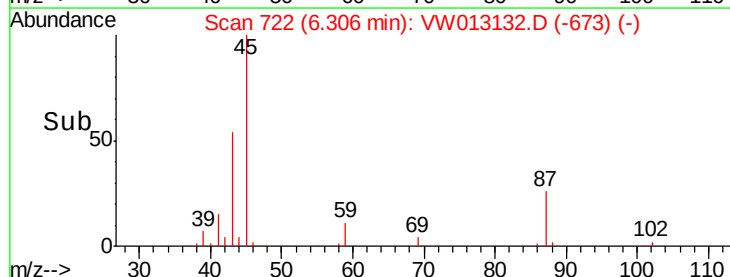
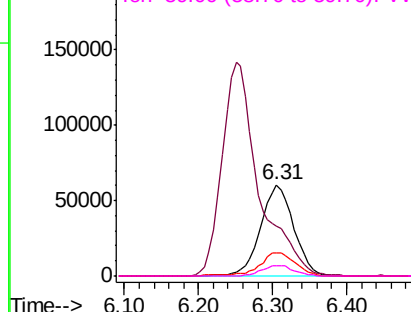
Abundance

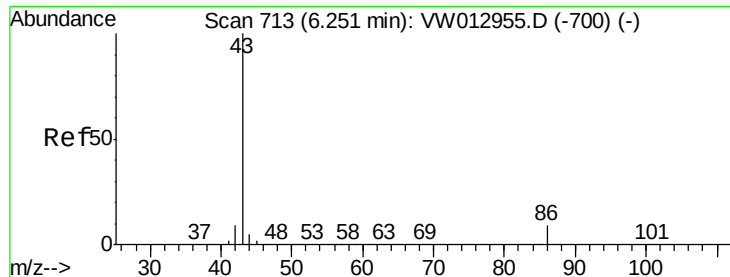
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 90.679 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013132.D

Acq: 19 Sep 2019 01:05

Instrument :

MSVOA_W

ClientSampleId :

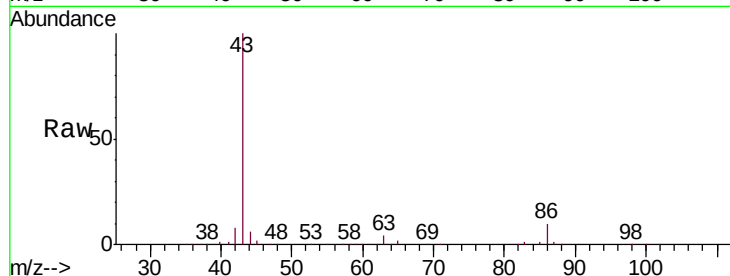
VW0918SBS02

Tgt Ion: 43 Resp: 488095

Ion Ratio Lower Upper

43 100

86 10.1 7.0 10.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

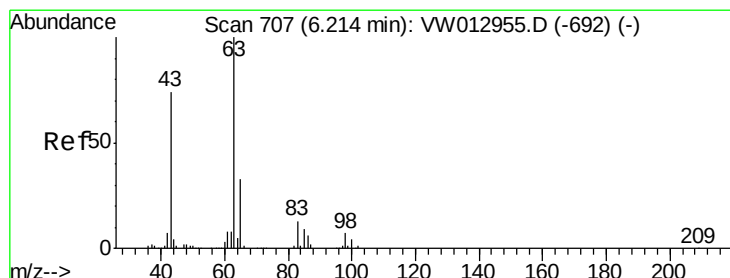
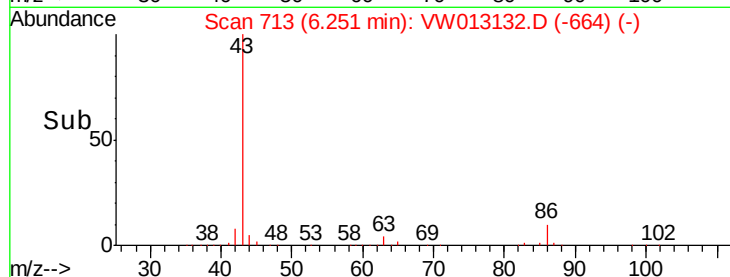
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.118 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013132.D

Acq: 19 Sep 2019 01:05

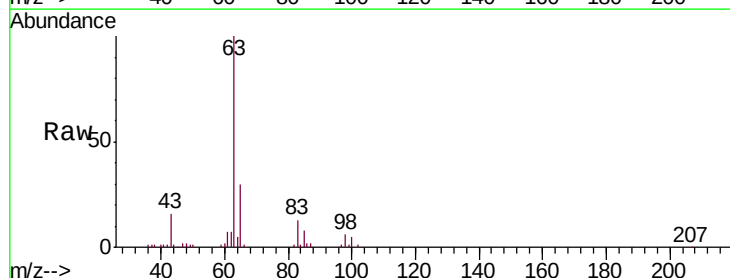
Tgt Ion: 63 Resp: 109424

Ion Ratio Lower Upper

63 100

98 6.3 3.3 9.9

100 5.3 1.8 5.5



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

50000

40000

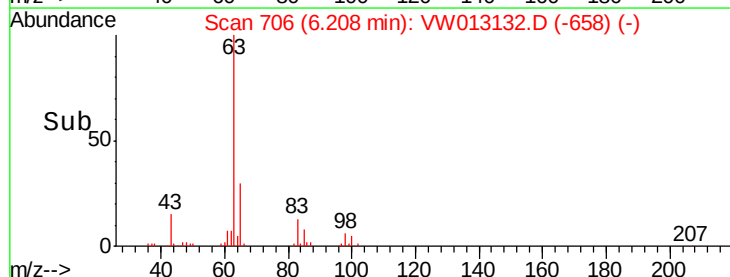
30000

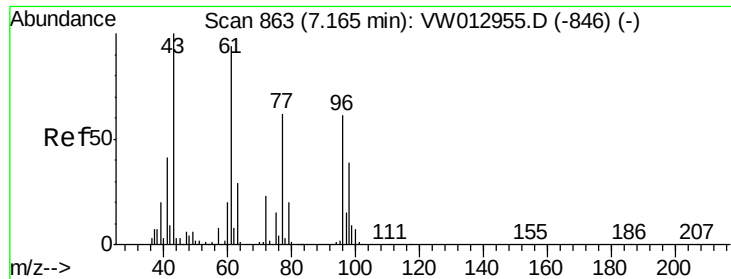
20000

10000

0

Time-->





#25

2-Butanone

Concen: 91.979 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013132.D

Acq: 19 Sep 2019 01:05

Instrument :

MSVOA_W

ClientSampleId :

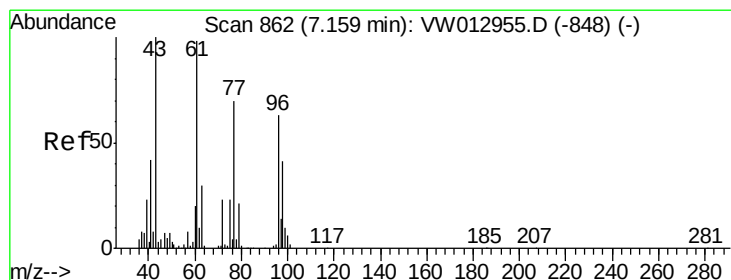
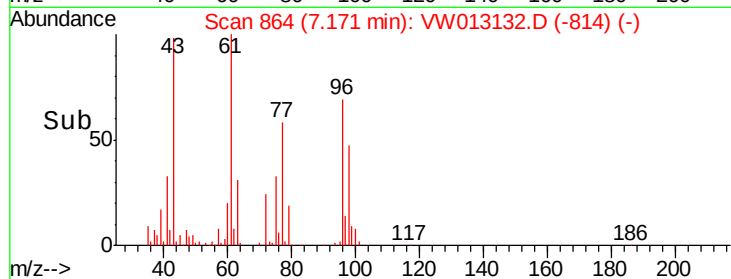
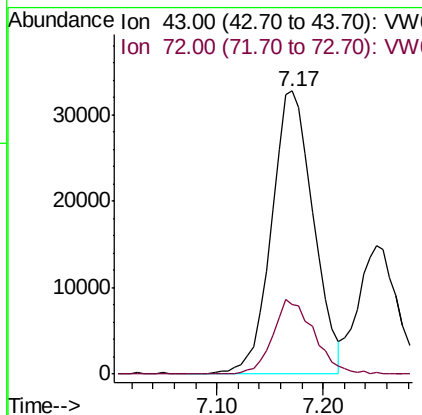
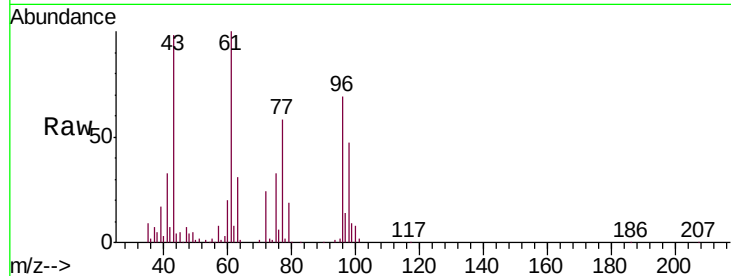
VW0918SBS02

Tgt Ion: 43 Resp: 89173

Ion Ratio Lower Upper

43 100

72 24.4 18.2 27.4



#26

2,2-Dichloropropane

Concen: 16.570 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW013132.D

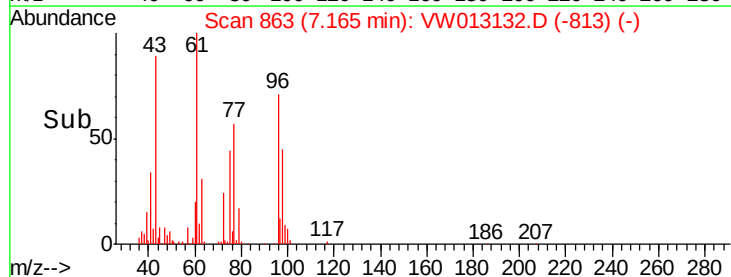
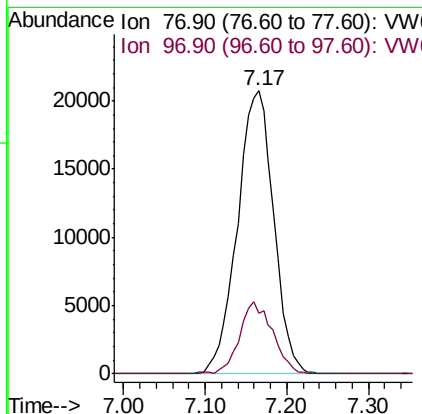
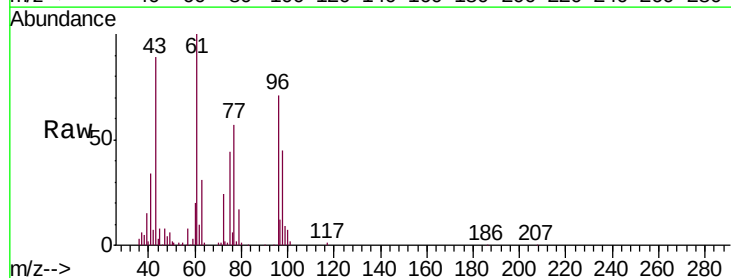
Acq: 19 Sep 2019 01:05

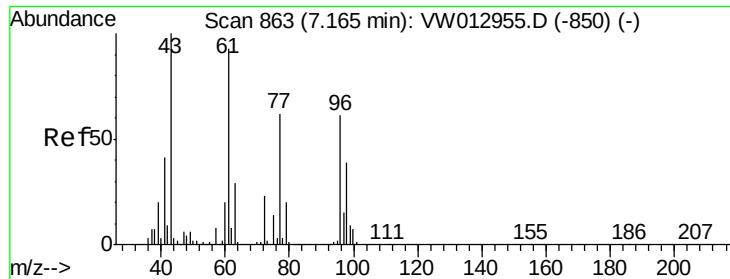
Tgt Ion: 77 Resp: 64024

Ion Ratio Lower Upper

77 100

97 23.2 10.7 32.1



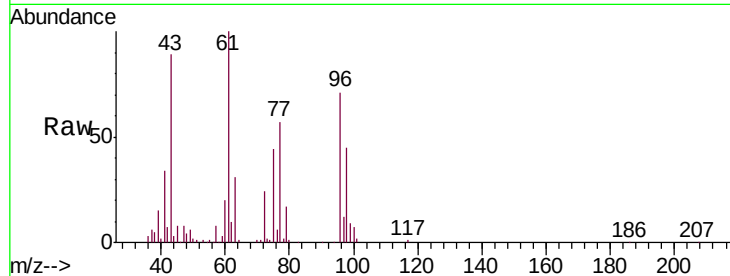


#27

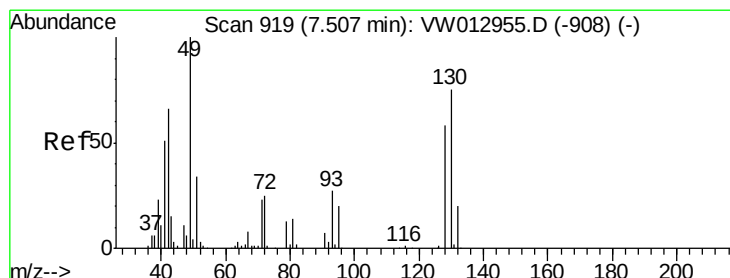
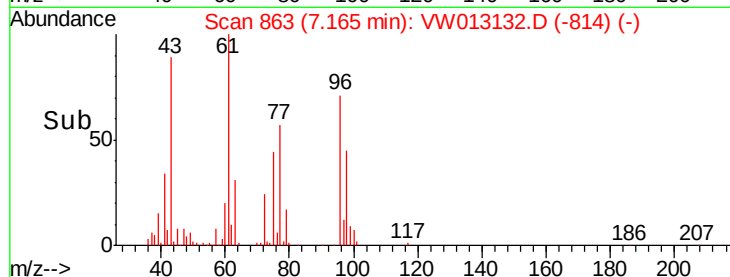
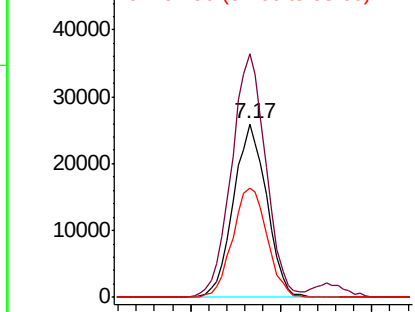
cis-1,2-Dichloroethene
Concen: 22.579 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013132.D
Acq: 19 Sep 2019 01:05

Instrument :
MSVOA_W
ClientSampleId :
VW0918SBS02

Tgt Ion: 96 Resp: 65974
Ion Ratio Lower Upper
96 100
61 144.8 0.0 315.4
98 65.4 0.0 131.0



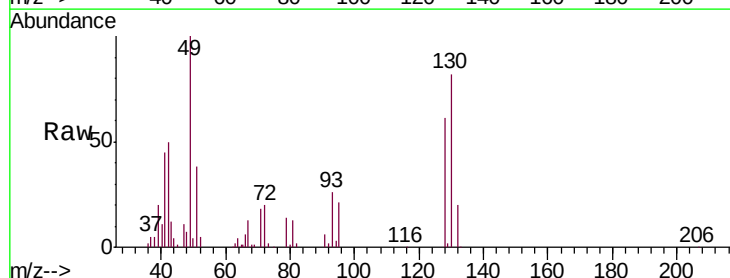
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



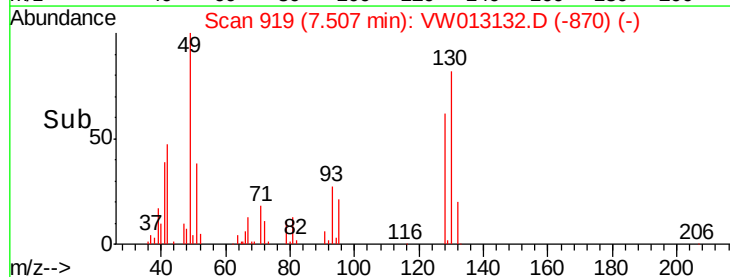
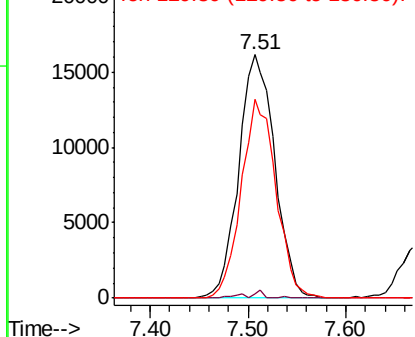
#28

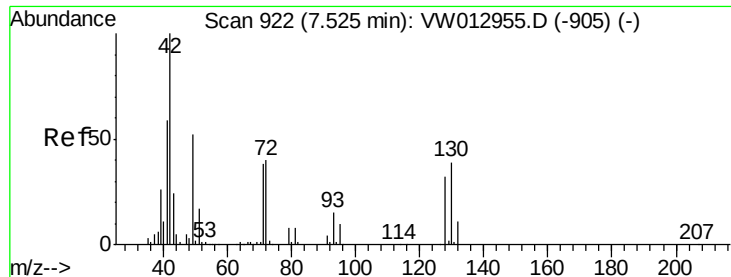
Bromochloromethane
Concen: 18.889 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW013132.D
Acq: 19 Sep 2019 01:05

Tgt Ion: 49 Resp: 41195
Ion Ratio Lower Upper
49 100
129 0.7 0.0 1.4
130 78.7 57.8 86.6



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

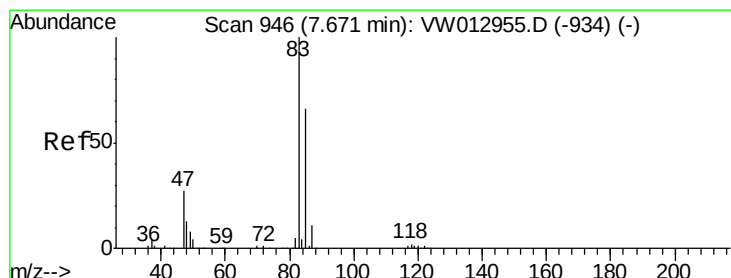
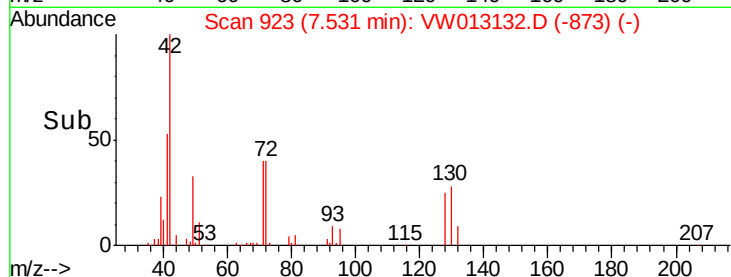
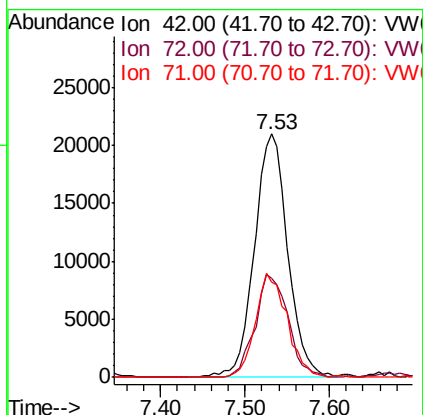
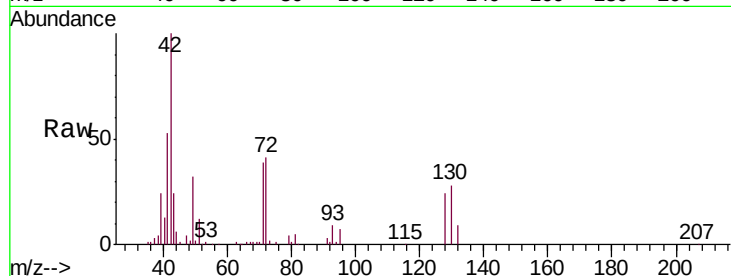




#29
Tetrahydrofuran
Concen: 103.030 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013132.D
Acq: 19 Sep 2019 01:05

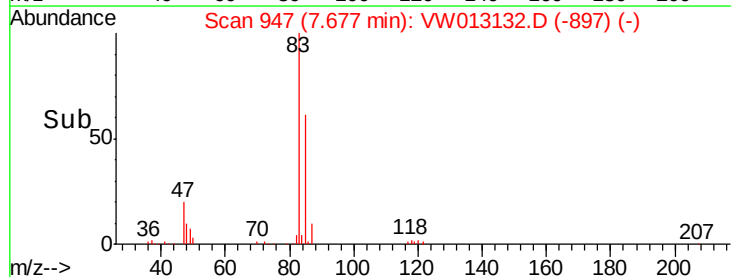
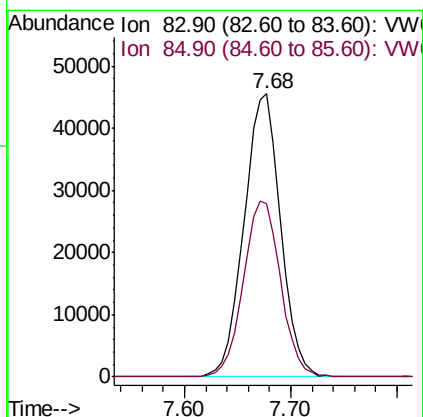
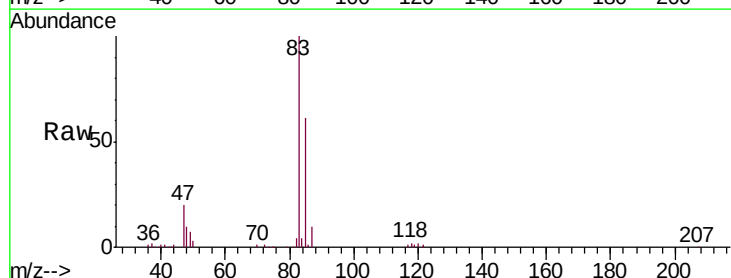
Instrument :
MSVOA_W
ClientSampleId :
VW0918SBS02

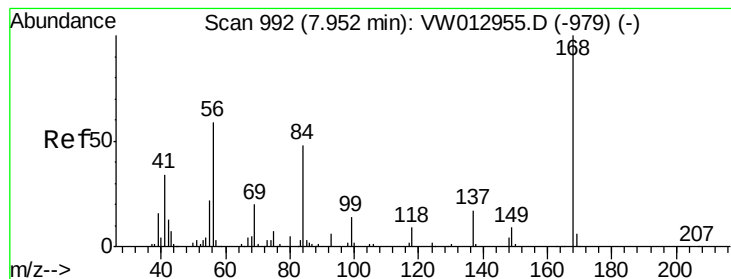
Tgt Ion: 42 Resp: 56914
Ion Ratio Lower Upper
42 100
72 41.8 31.4 47.0
71 40.6 29.8 44.8



#30
Chloroform
Concen: 20.891 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW013132.D
Acq: 19 Sep 2019 01:05

Tgt Ion: 83 Resp: 109991
Ion Ratio Lower Upper
83 100
85 61.4 52.8 79.2





#31

Cyclohexane

Concen: 20.781 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013132.D

Acq: 19 Sep 2019 01:05

Instrument :

MSVOA_W

ClientSampleId :

VW0918SBS02

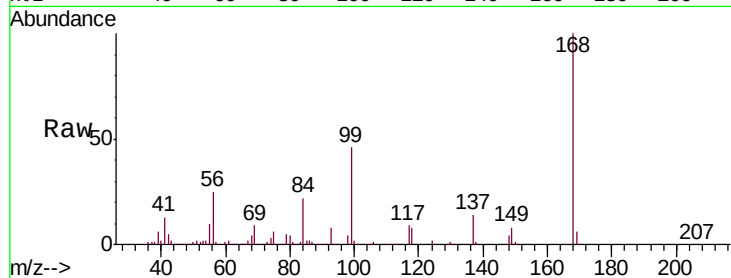
Tgt Ion: 56 Resp: 90493

Ion Ratio Lower Upper

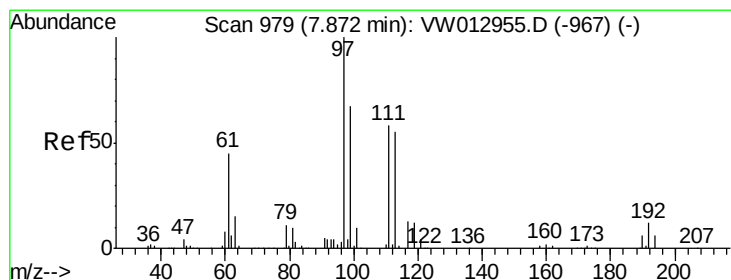
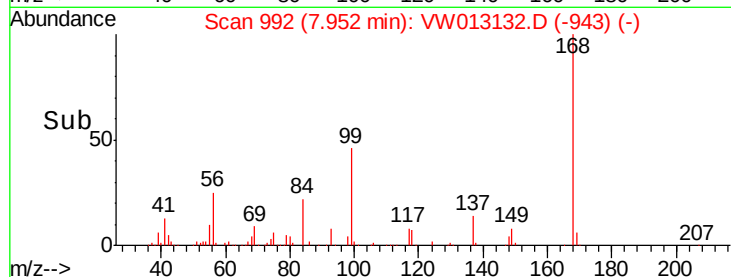
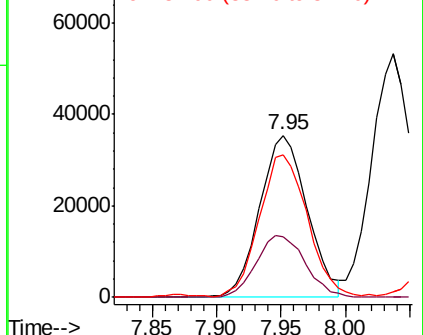
56 100

69 37.4 27.0 40.6

84 86.8 66.2 99.2



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



#32

1,1,1-Trichloroethane

Concen: 19.188 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW013132.D

Acq: 19 Sep 2019 01:05

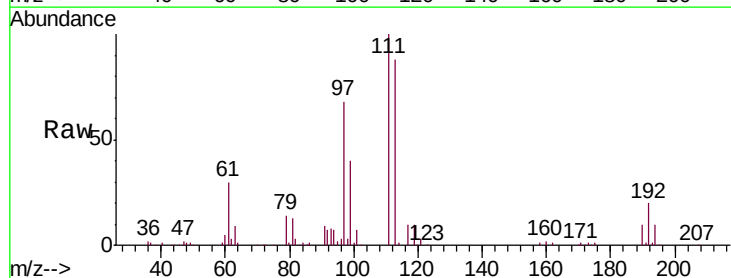
Tgt Ion: 97 Resp: 83195

Ion Ratio Lower Upper

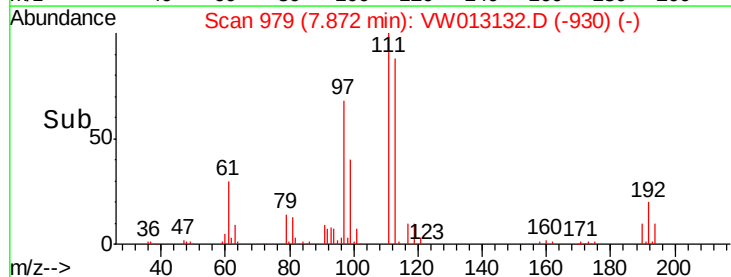
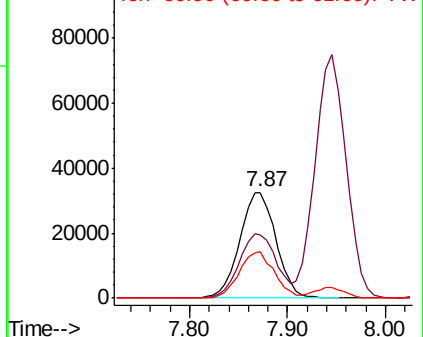
97 100

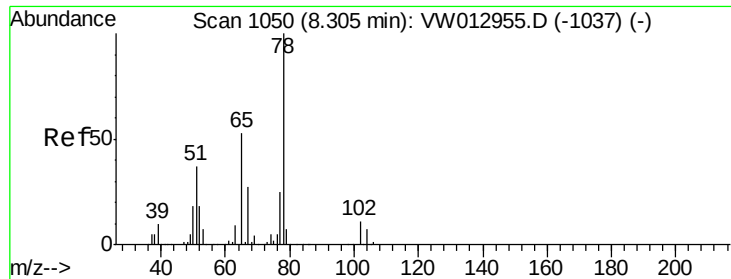
99 62.4 53.0 79.4

61 42.9 36.5 54.7



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

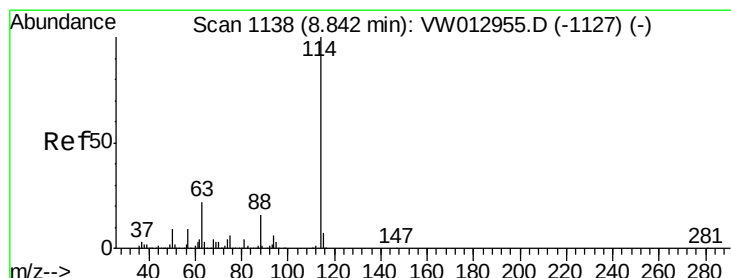
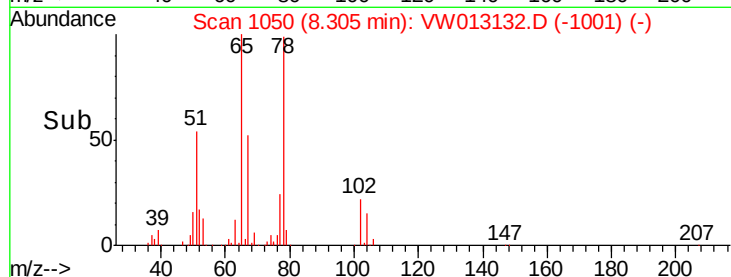
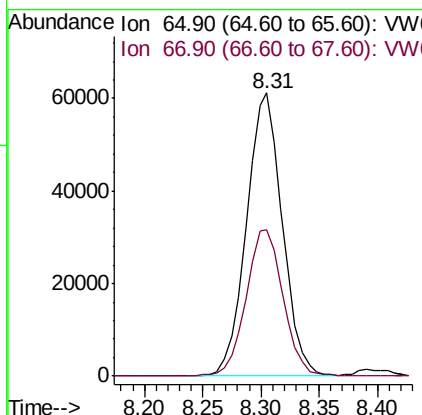
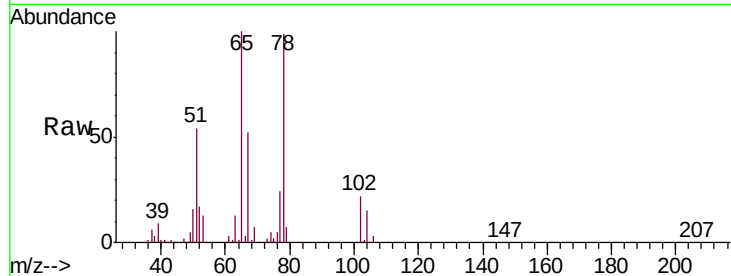




#33
 1,2-Dichloroethane-d4
 Concen: 43.022 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013132.D
 Acq: 19 Sep 2019 01:05

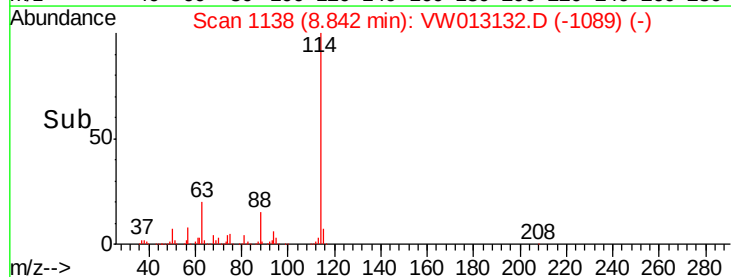
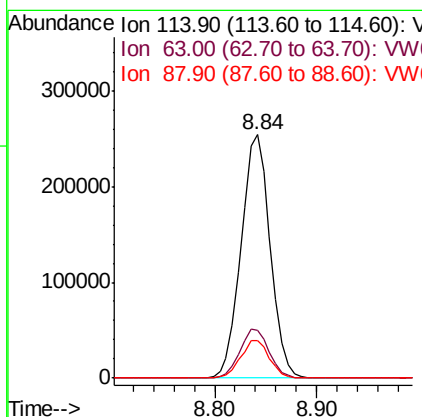
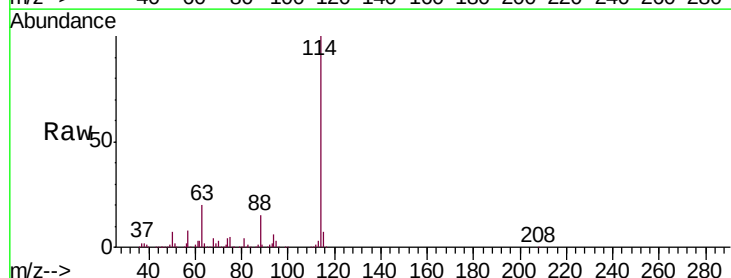
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBS02

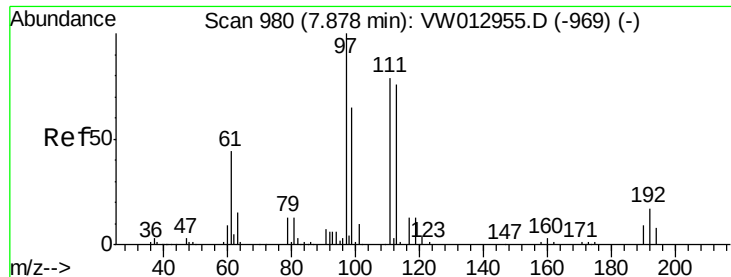
Tgt Ion: 65 Resp: 131172
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013132.D
 Acq: 19 Sep 2019 01:05

Tgt Ion: 114 Resp: 502606
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 43.4
 88 15.3 0.0 31.6





#35

Dibromofluoromethane

Concen: 46.877 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013132.D

Acq: 19 Sep 2019 01:05

Instrument :

MSVOA_W

ClientSampleId :

VW0918SBS02

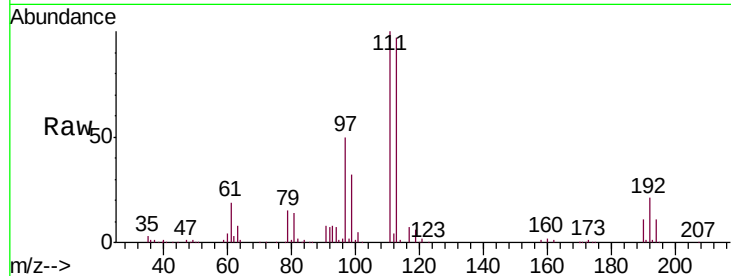
Tgt Ion:113 Resp: 127842

Ion Ratio Lower Upper

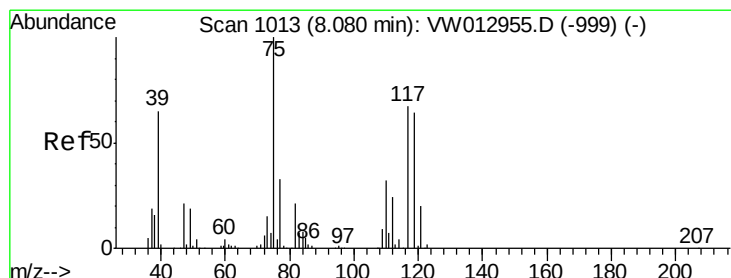
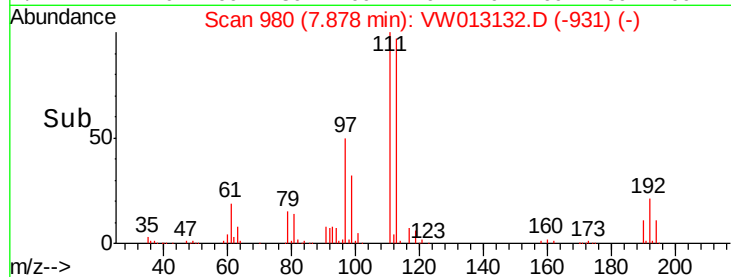
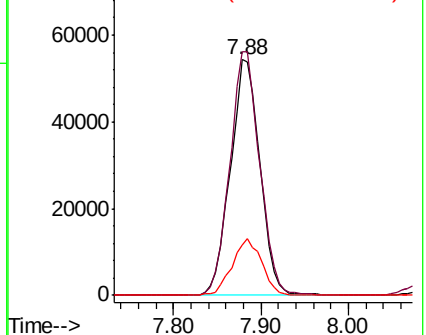
113 100

111 104.4 82.8 124.2

192 23.9 17.8 26.8



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: 19.907 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW013132.D

Acq: 19 Sep 2019 01:05

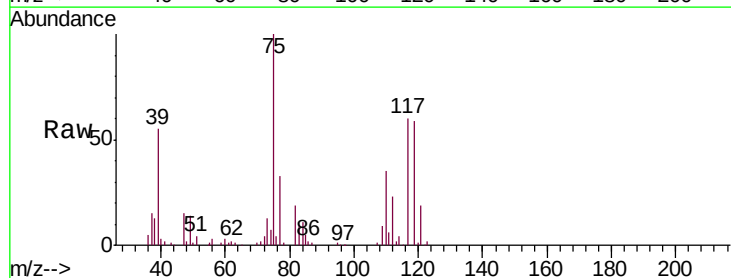
Tgt Ion: 75 Resp: 79950

Ion Ratio Lower Upper

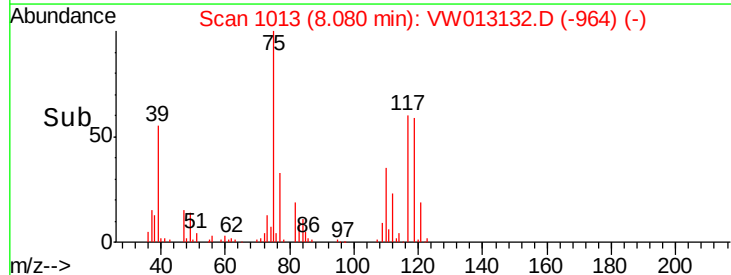
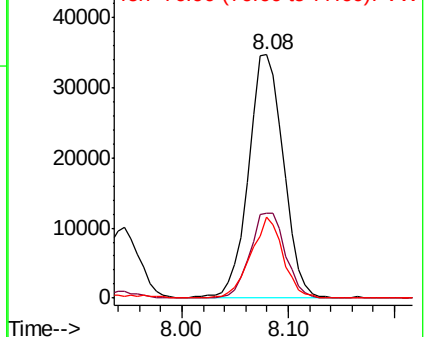
75 100

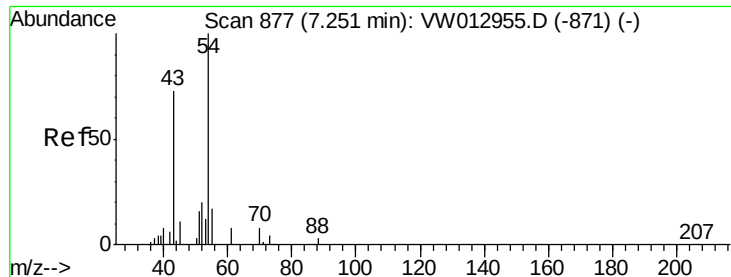
110 35.4 16.4 49.1

77 31.0 25.1 37.7



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

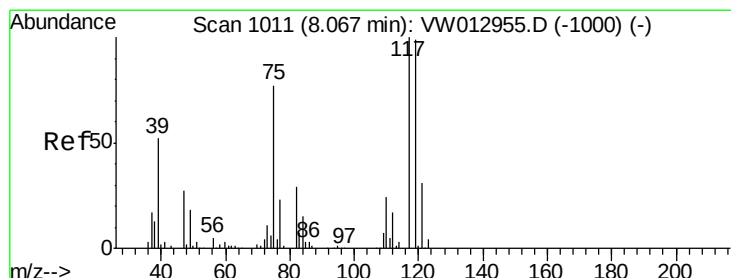
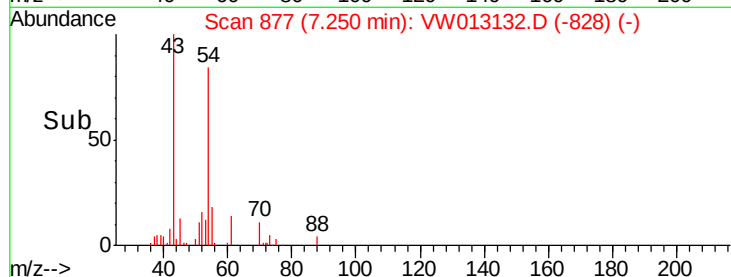
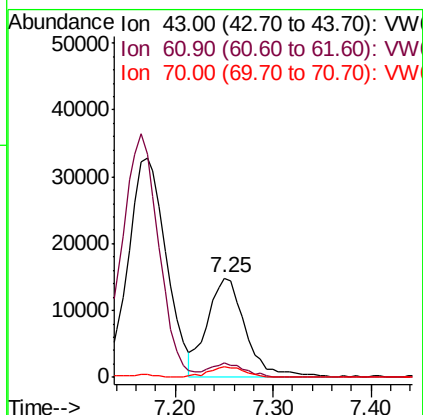
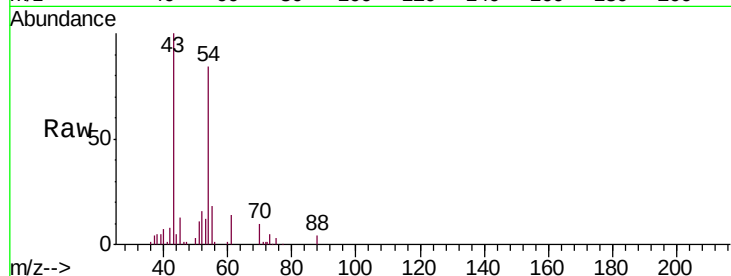




#37
Ethyl Acetate
Concen: 18.710 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013132.D
Acq: 19 Sep 2019 01:05

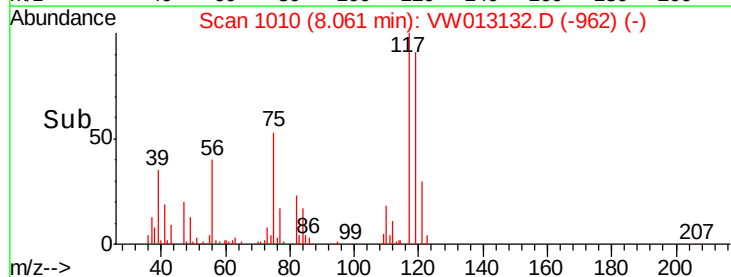
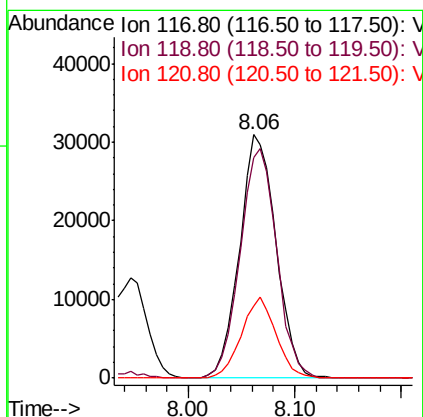
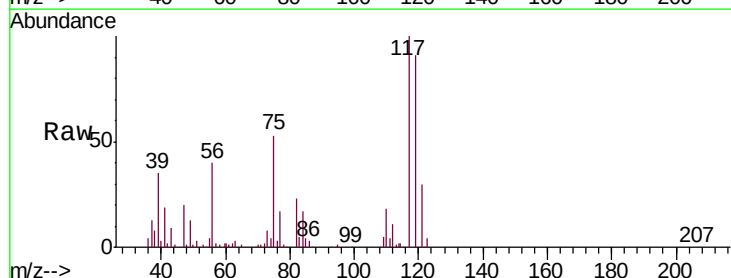
Instrument :
MSVOA_W
ClientSampleId :
VW0918SBS02

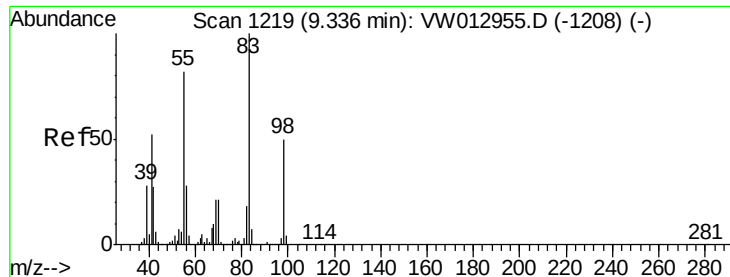
Tgt Ion: 43 Resp: 39885
Ion Ratio Lower Upper
43 100
61 13.6 9.6 14.4
70 9.9 7.6 11.4



#38
Carbon Tetrachloride
Concen: 18.116 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW013132.D
Acq: 19 Sep 2019 01:05

Tgt Ion: 117 Resp: 74563
Ion Ratio Lower Upper
117 100
119 90.8 79.4 119.0
121 29.5 24.6 36.8

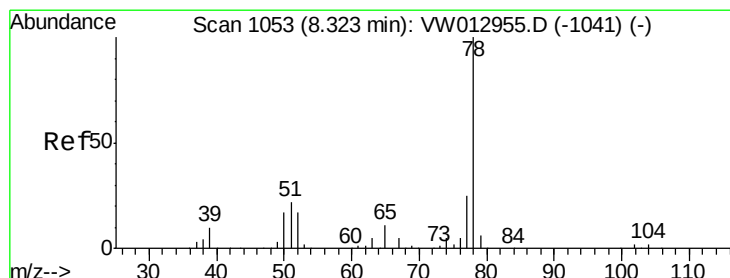
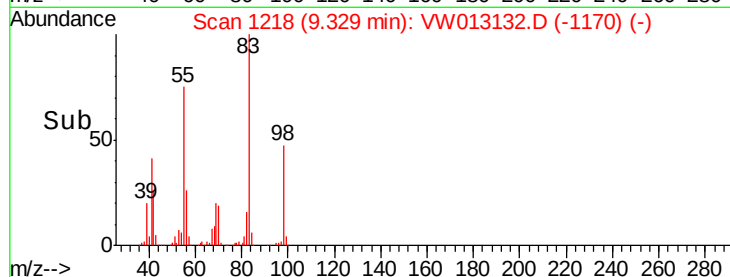
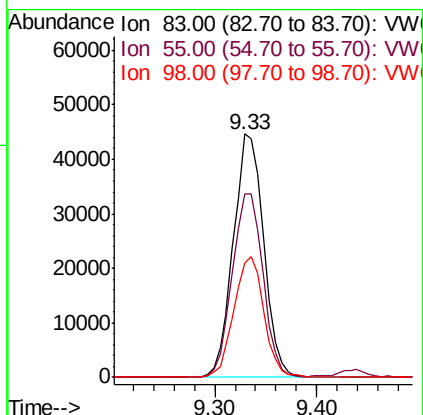
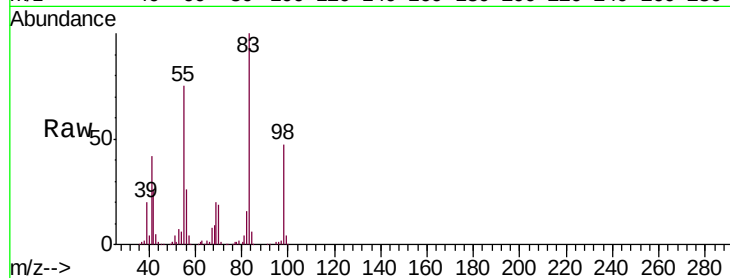




#39
Methylcyclohexane
Concen: 20.908 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013132.D
Acq: 19 Sep 2019 01:05

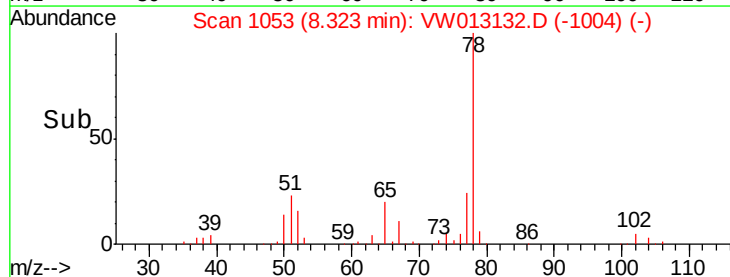
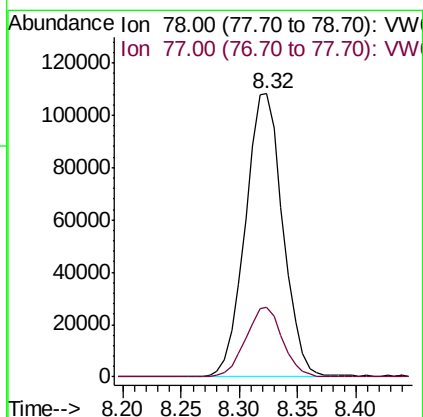
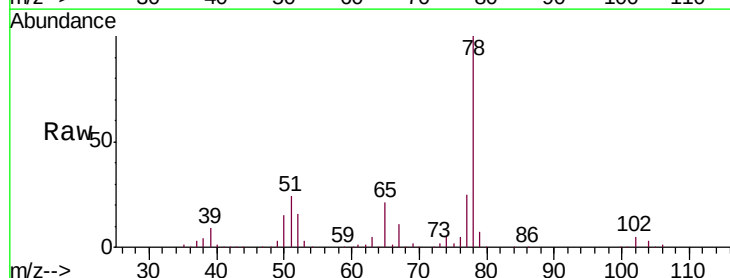
Instrument :
MSVOA_W
ClientSampleId :
VW0918SBS02

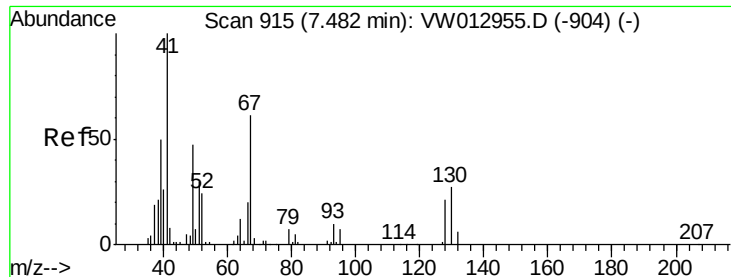
Tgt Ion: 83 Resp: 92015
Ion Ratio Lower Upper
83 100
55 75.3 65.9 98.9
98 46.8 39.6 59.4



#40
Benzene
Concen: 21.585 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013132.D
Acq: 19 Sep 2019 01:05

Tgt Ion: 78 Resp: 242013
Ion Ratio Lower Upper
78 100
77 24.5 19.6 29.4

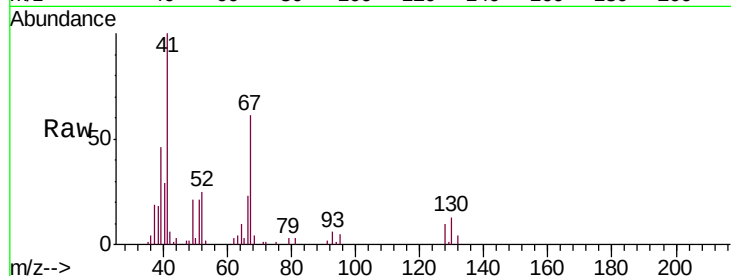




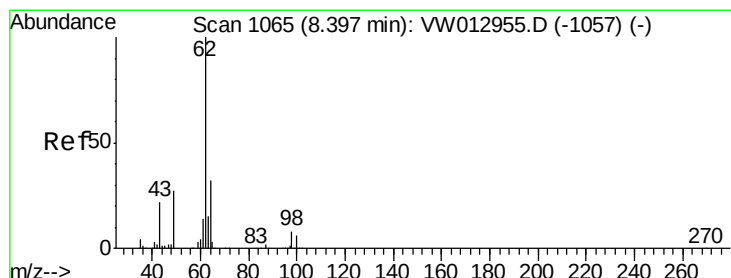
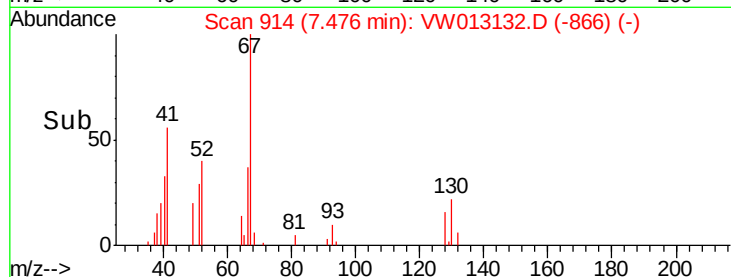
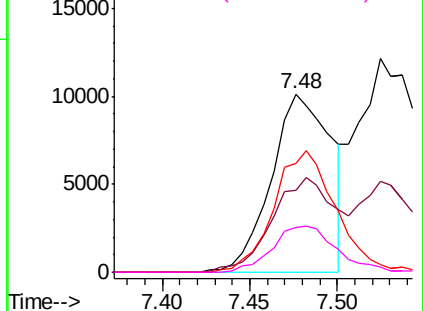
#41
Methacrylonitrile
Concen: 17.139 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW013132.D
Acq: 19 Sep 2019 01:05

Instrument :
MSVOA_W
ClientSampleId :
VW0918SBS02

Tgt Ion:	41	Resp:	24061
Ion	Ratio	Lower	Upper
41	100		
39	57.7	48.2	72.4
67	71.0	47.5	71.3
52	28.2	21.0	31.4

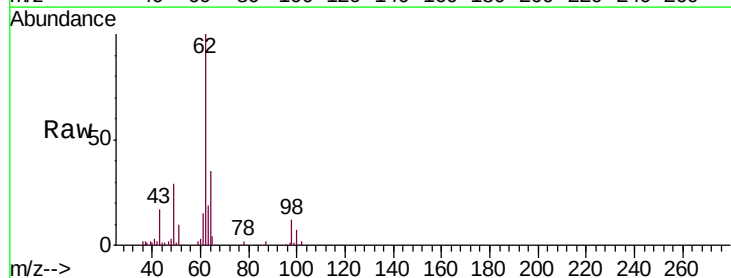


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

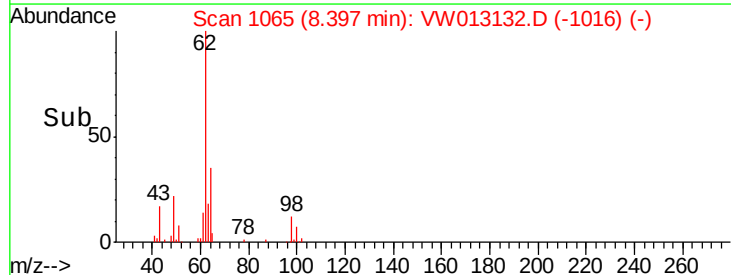
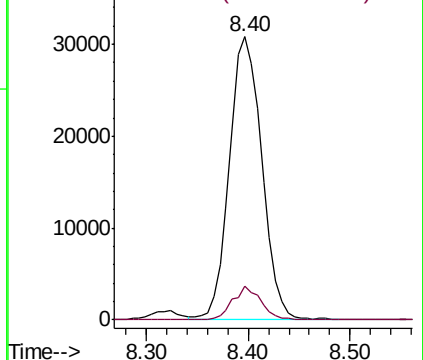


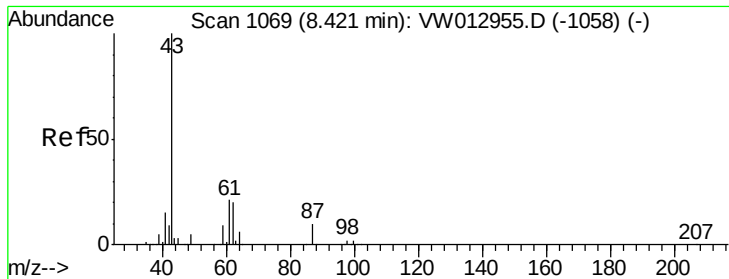
#42
1,2-Dichloroethane
Concen: 18.074 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013132.D
Acq: 19 Sep 2019 01:05

Tgt Ion:	62	Resp:	67931
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	16.8



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





#43

Isopropyl Acetate

Concen: 17.941 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013132.D

Acq: 19 Sep 2019 01:05

Instrument :

MSVOA_W

ClientSampleId :

VW0918SBS02

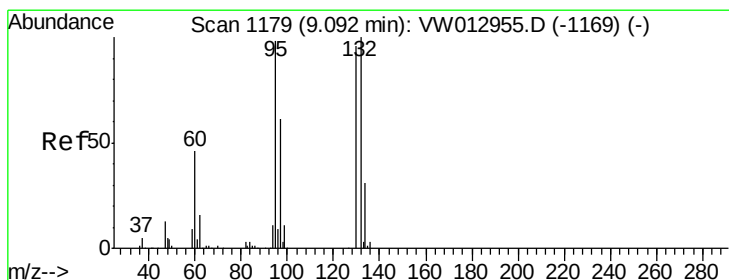
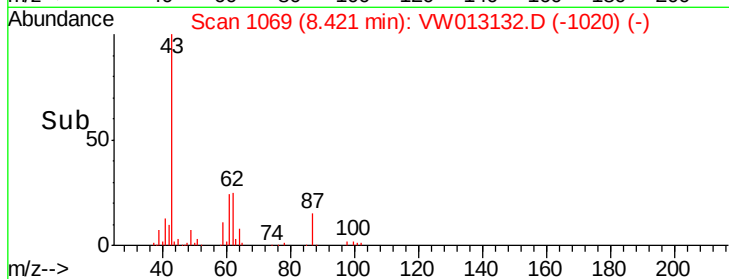
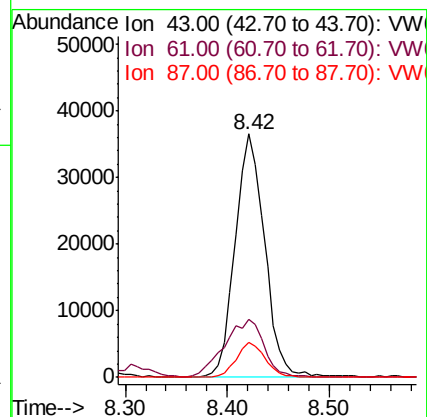
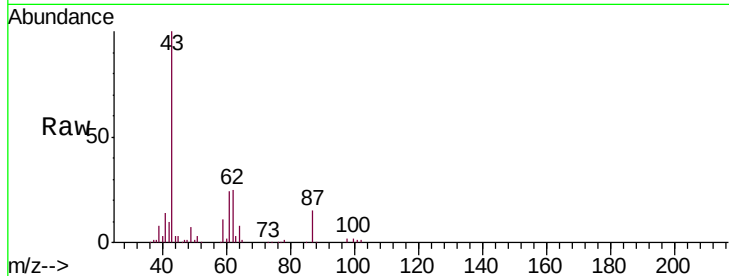
Tgt Ion: 43 Resp: 73433

Ion Ratio Lower Upper

43 100

61 32.0 22.7 34.1

87 13.8 9.4 14.2



#44

Trichloroethene

Concen: 21.654 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013132.D

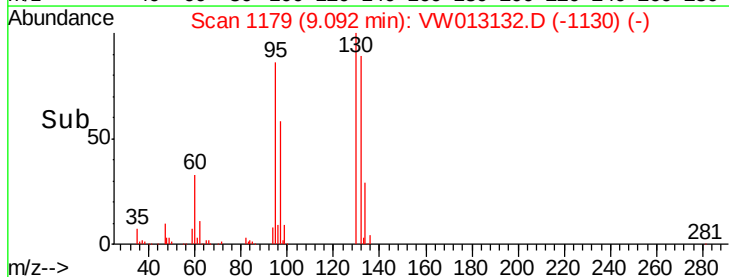
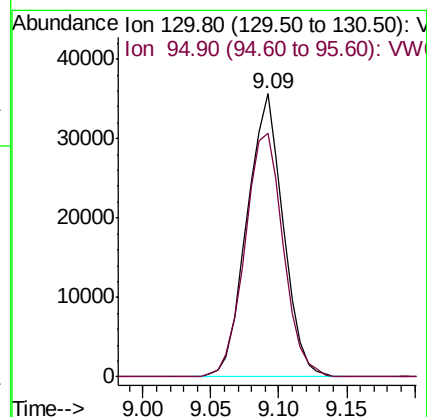
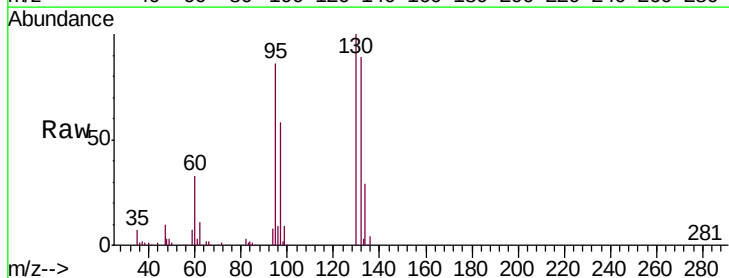
Acq: 19 Sep 2019 01:05

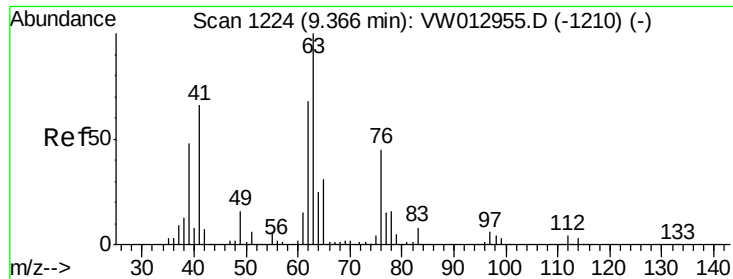
Tgt Ion: 130 Resp: 66502

Ion Ratio Lower Upper

130 100

95 86.2 0.0 204.4

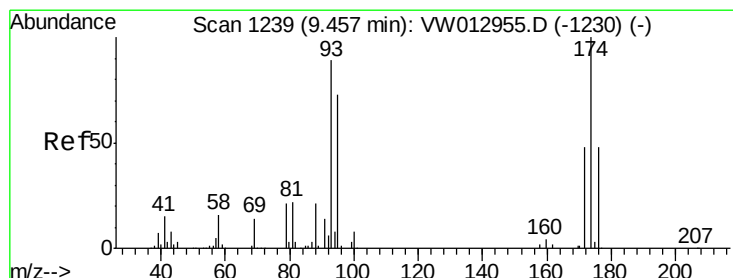
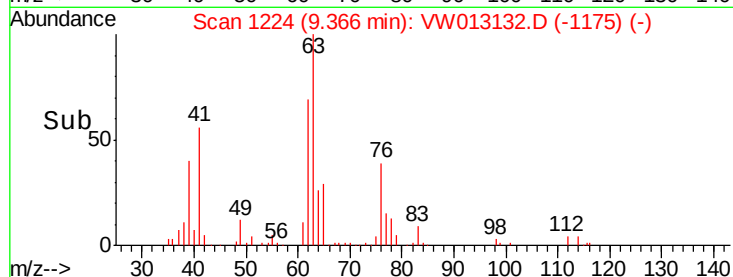
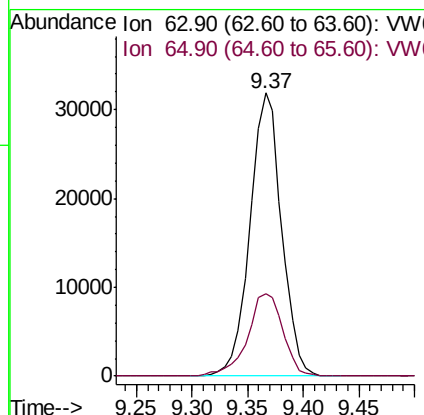
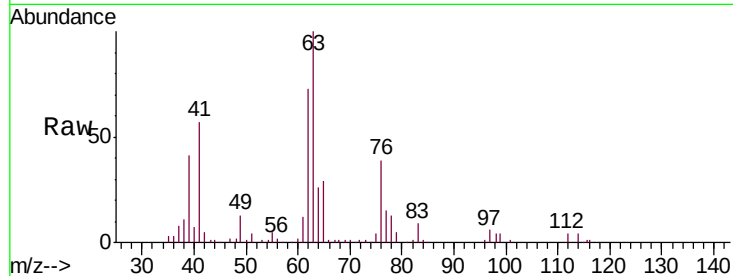




#45
 1,2-Dichloropropane
 Concen: 21.128 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013132.D
 Acq: 19 Sep 2019 01:05

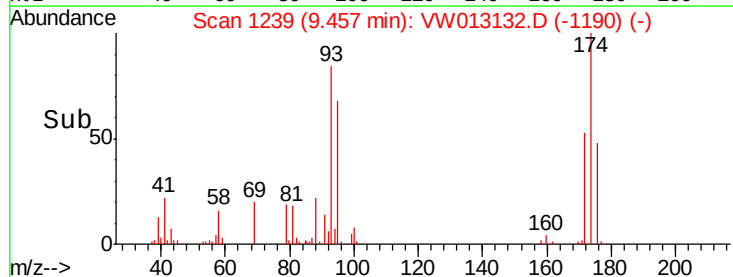
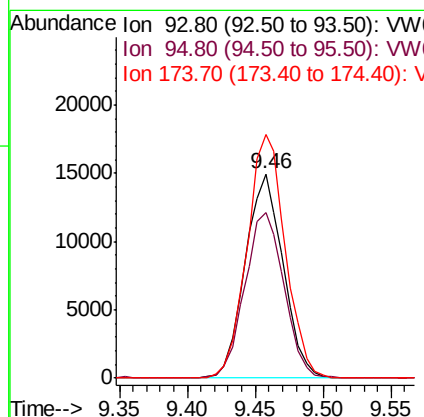
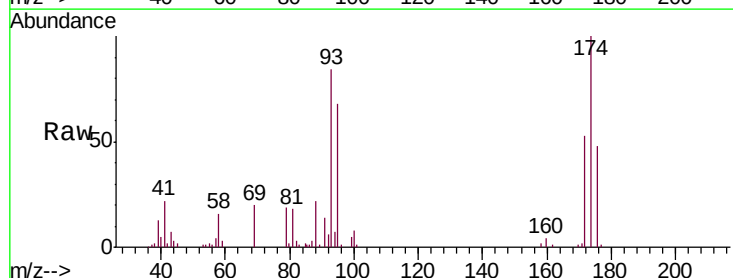
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBS02

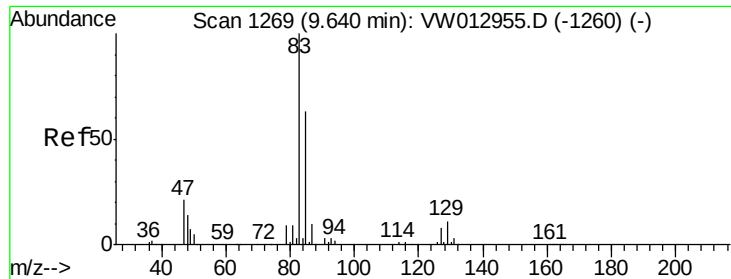
Tgt Ion: 63 Resp: 62937
 Ion Ratio Lower Upper
 63 100
 65 29.2 24.6 37.0



#46
 Dibromomethane
 Concen: 20.438 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013132.D
 Acq: 19 Sep 2019 01:05

Tgt Ion: 93 Resp: 29169
 Ion Ratio Lower Upper
 93 100
 95 83.8 67.0 100.4
 174 120.3 90.5 135.7

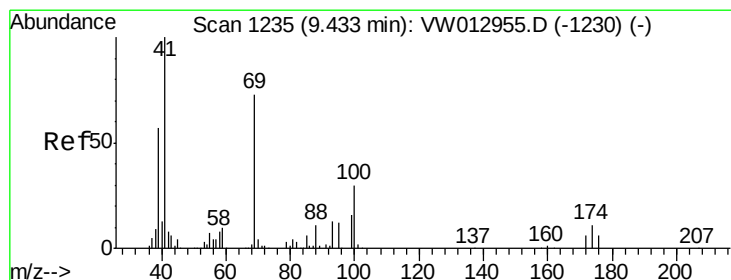
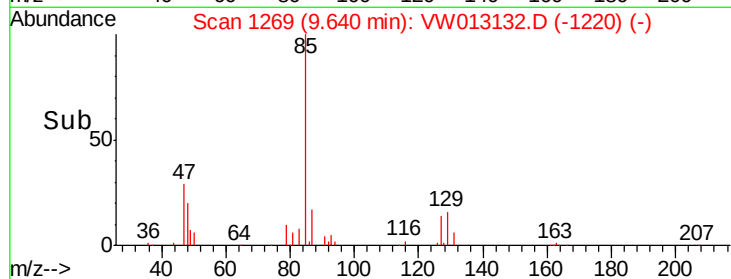
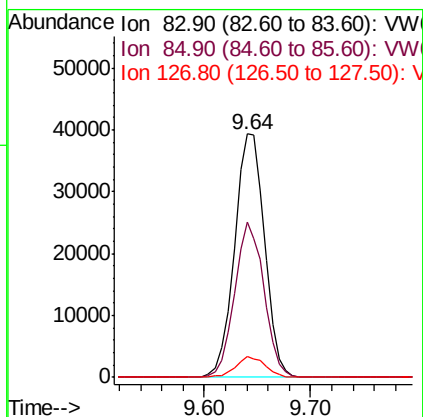
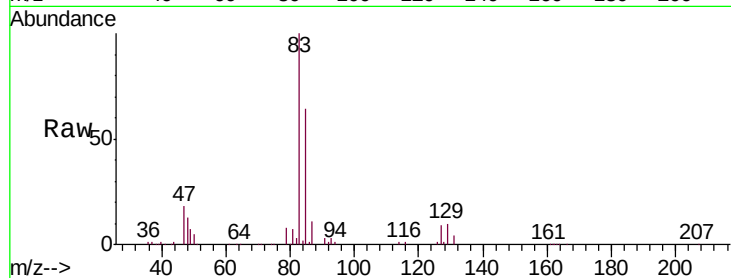




#47
 Bromodichloromethane
 Concen: 19.448 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW013132.D
 Acq: 19 Sep 2019 01:05

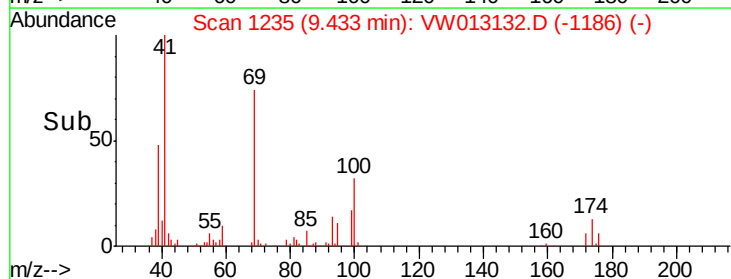
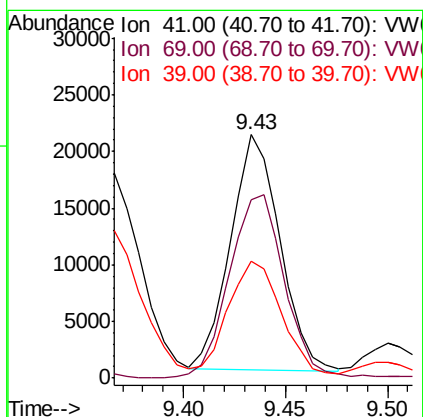
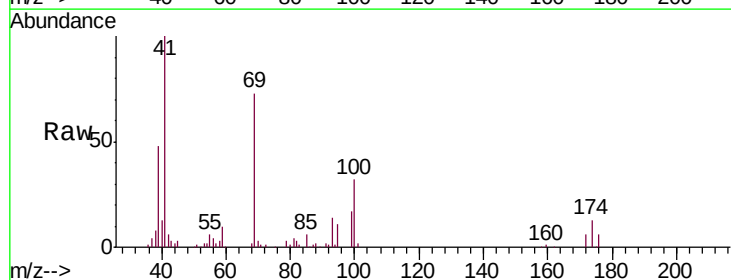
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBS02

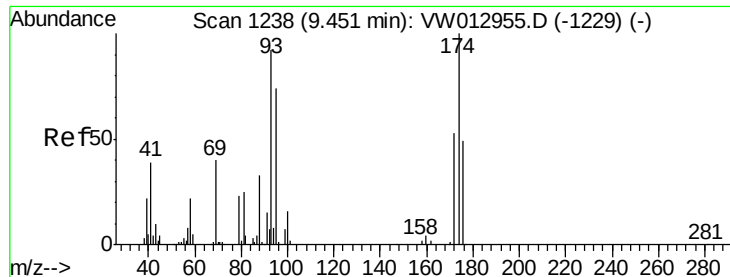
Tgt Ion: 83 Resp: 77853
 Ion Ratio Lower Upper
 83 100
 85 63.9 50.6 75.8
 127 8.8 6.7 10.1



#48
 Methyl methacrylate
 Concen: 18.226 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW013132.D
 Acq: 19 Sep 2019 01:05

Tgt Ion: 41 Resp: 35012
 Ion Ratio Lower Upper
 41 100
 69 87.7 62.8 94.2
 39 55.4 48.5 72.7





#49

1,4-Dioxane

Concen: 387.303 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW013132.D

Acq: 19 Sep 2019 01:05

Instrument :

MSVOA_W

ClientSampleId :

VW0918SBS02

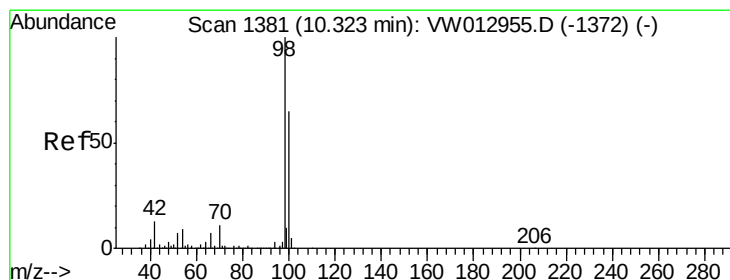
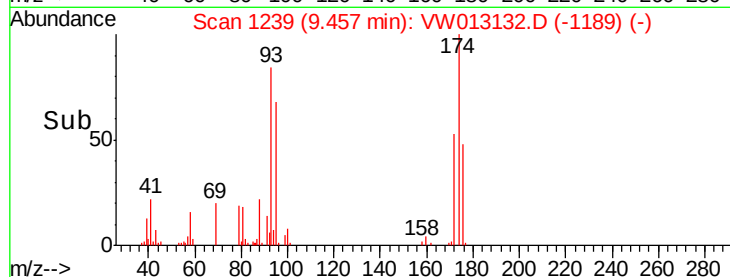
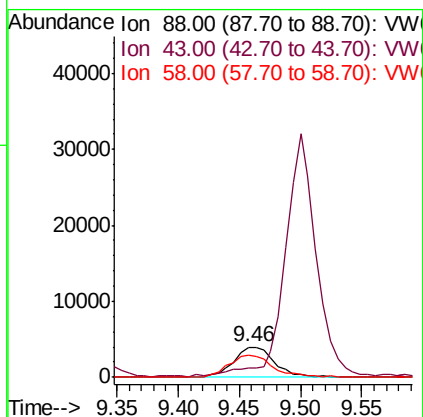
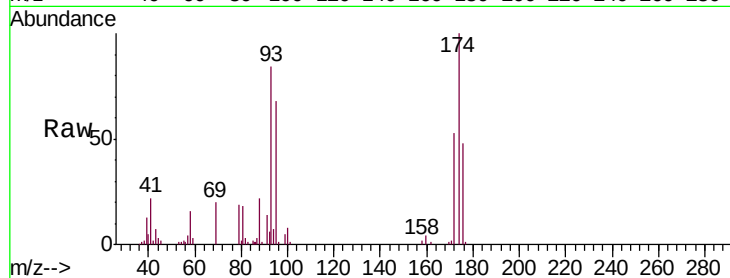
Tgt Ion: 88 Resp: 9262

Ion Ratio Lower Upper

88 100

43 0.0 31.3 46.9#

58 79.4 60.2 90.2



#50

Toluene-d8

Concen: 49.837 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013132.D

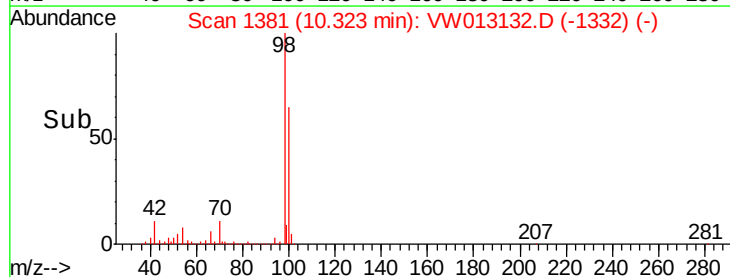
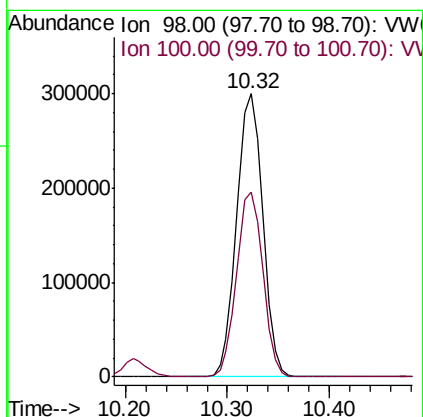
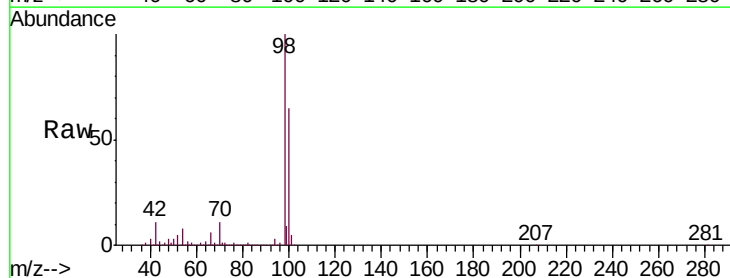
Acq: 19 Sep 2019 01:05

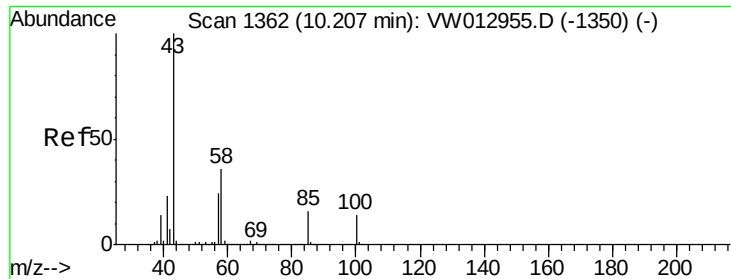
Tgt Ion: 98 Resp: 531857

Ion Ratio Lower Upper

98 100

100 65.9 52.1 78.1

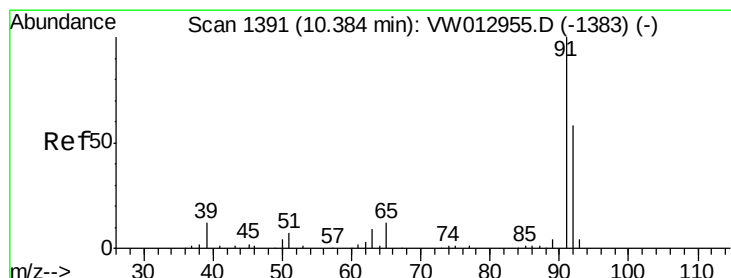
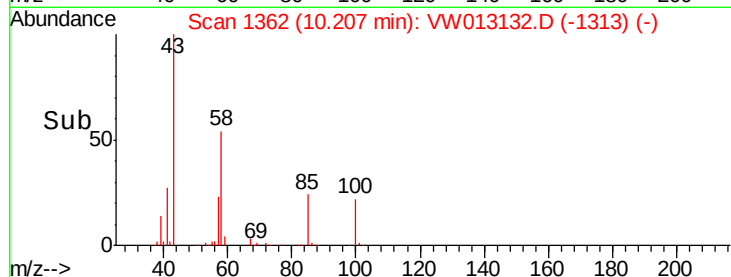
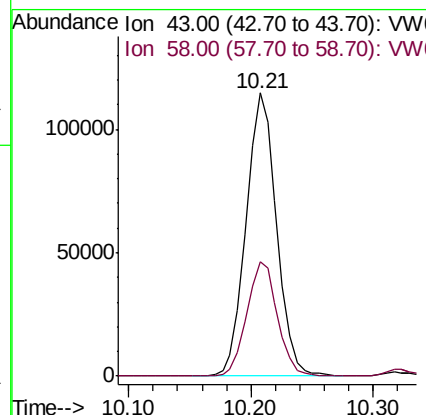
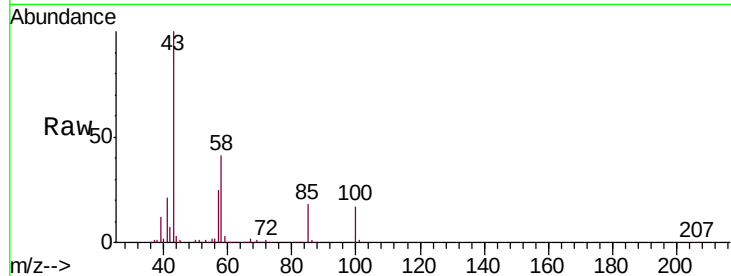




#51
 4-Methyl-2-Pentanone
 Concen: 93.756 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013132.D
 Acq: 19 Sep 2019 01:05

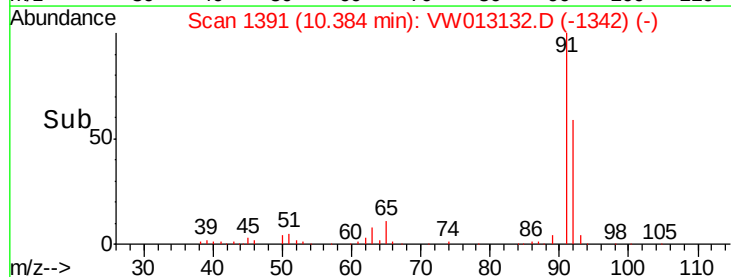
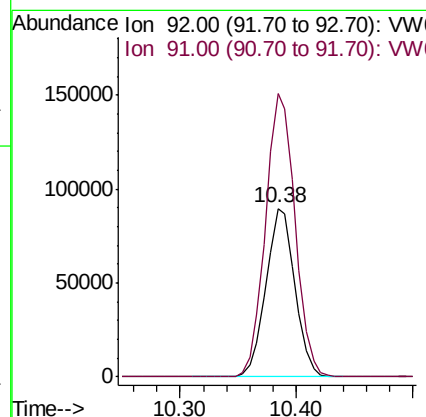
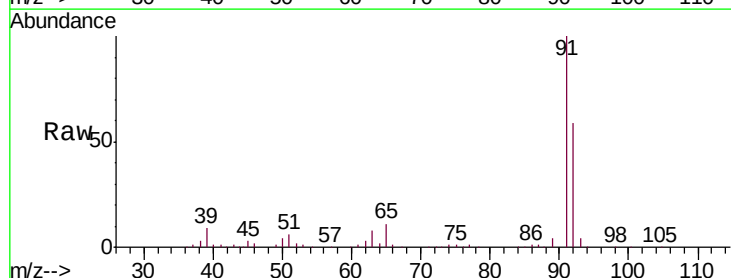
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBS02

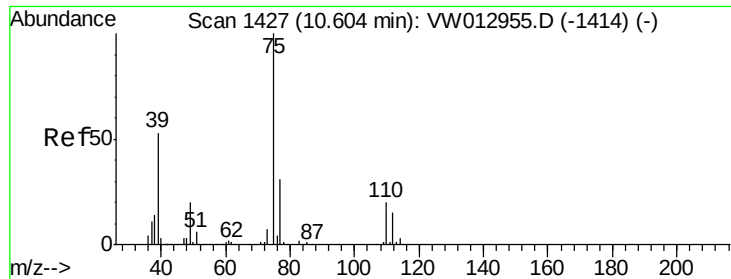
Tgt Ion: 43 Resp: 198123
 Ion Ratio Lower Upper
 43 100
 58 40.7 29.5 44.3



#52
 Toluene
 Concen: 21.783 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW013132.D
 Acq: 19 Sep 2019 01:05

Tgt Ion: 92 Resp: 155194
 Ion Ratio Lower Upper
 92 100
 91 171.9 137.5 206.3





#53

t-1,3-Dichloropropene

Concen: 18.591 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013132.D

Acq: 19 Sep 2019 01:05

Instrument :

MSVOA_W

ClientSampleId :

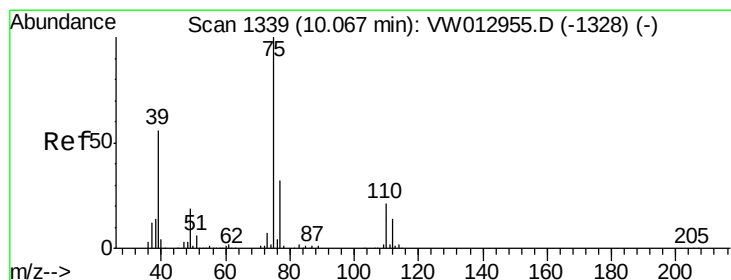
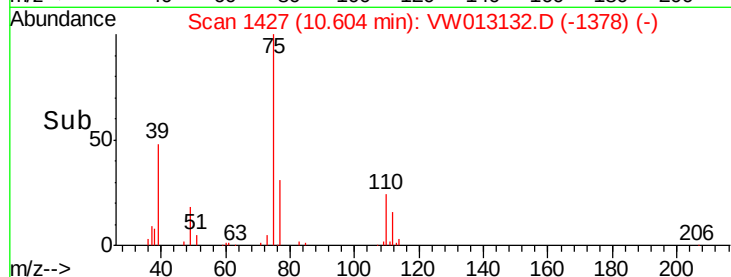
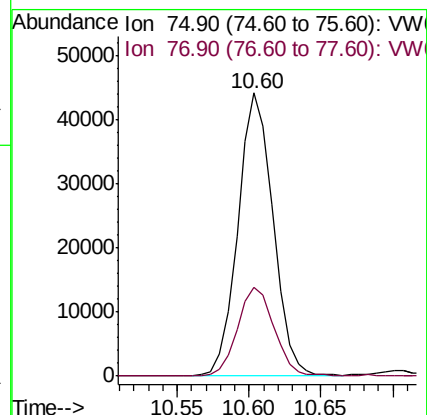
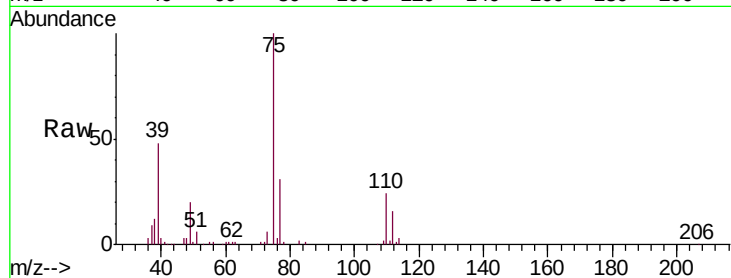
VW0918SBS02

Tgt Ion: 75 Resp: 74849

Ion Ratio Lower Upper

75 100

77 31.2 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 19.511 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VW013132.D

Acq: 19 Sep 2019 01:05

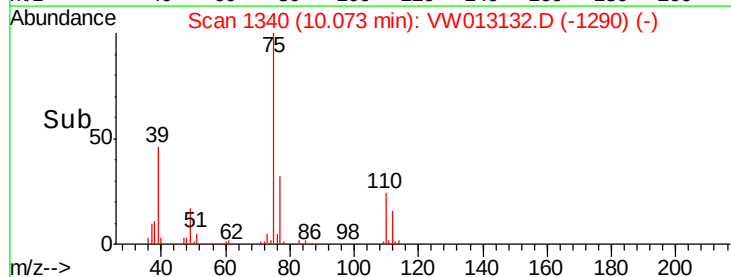
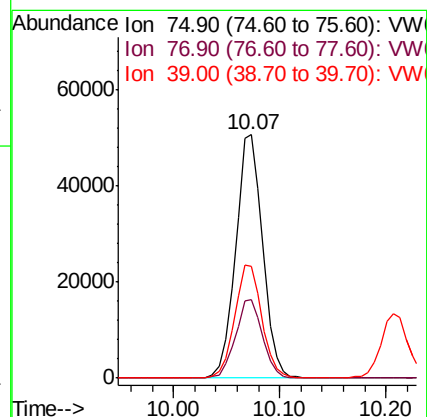
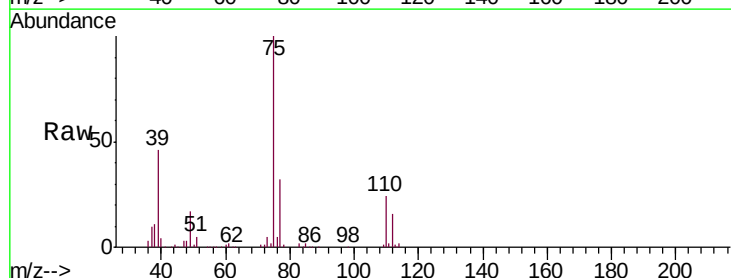
Tgt Ion: 75 Resp: 89882

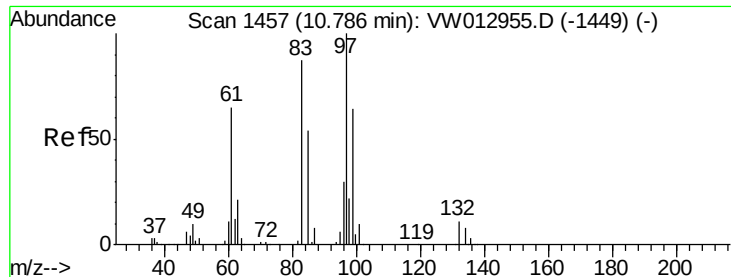
Ion Ratio Lower Upper

75 100

77 32.4 25.5 38.3

39 45.8 45.0 67.6

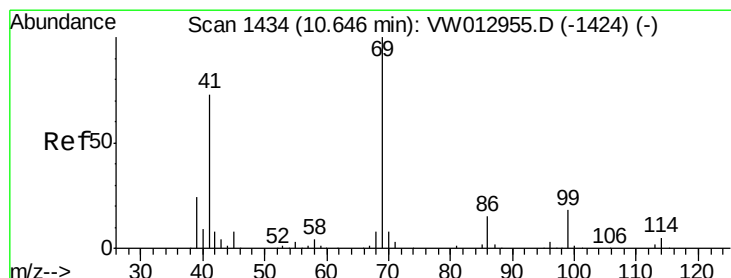
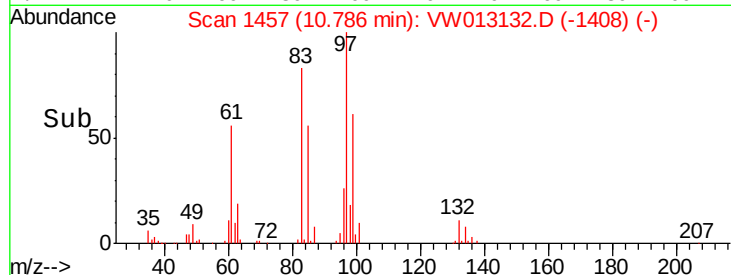
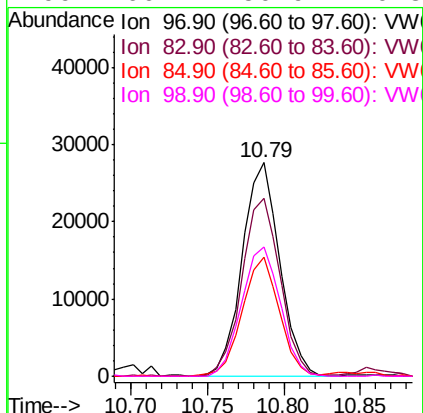
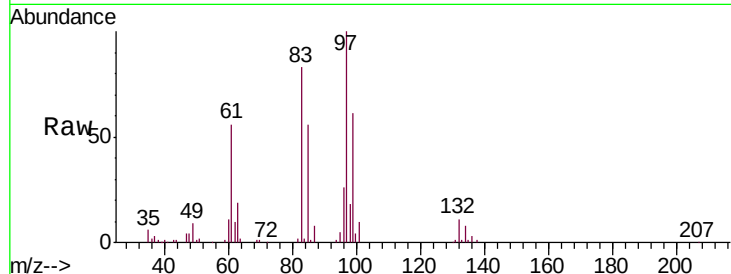




#55
 1,1,2-Trichloroethane
 Concen: 21.657 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013132.D
 Acq: 19 Sep 2019 01:05

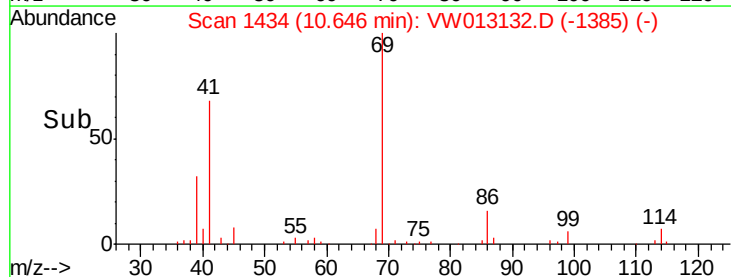
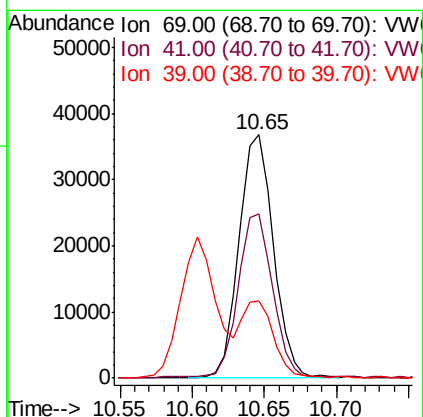
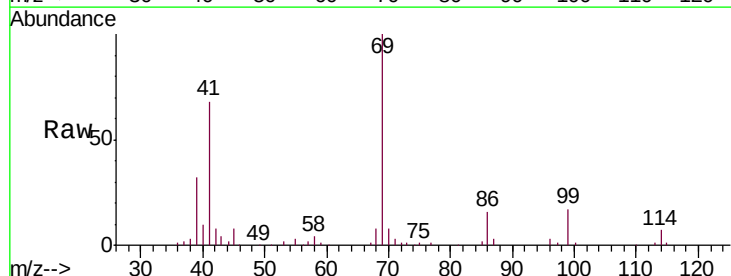
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBS02

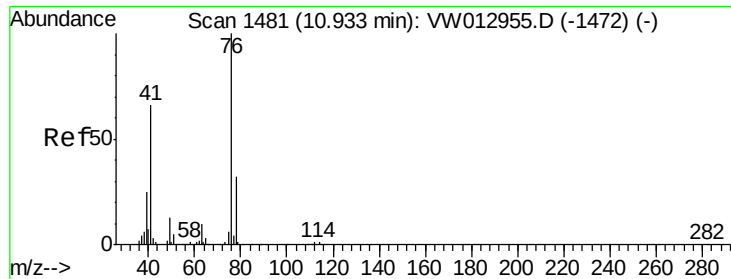
Tgt Ion:	97	Resp:	47086
Ion	Ratio	Lower	Upper
97	100		
83	83.2	69.4	104.0
85	55.9	43.3	64.9
99	60.7	50.9	76.3



#56
 Ethyl methacrylate
 Concen: 20.880 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW013132.D
 Acq: 19 Sep 2019 01:05

Tgt Ion:	69	Resp:	61105
Ion	Ratio	Lower	Upper
69	100		
41	66.4	60.8	91.2
39	29.3	29.4	44.0#





#57

1,3-Dichloropropane

Concen: 21.405 ug/l

RT: 10.93 min Scan# 1480

Delta R.T. -0.01 min

Lab File: VW013132.D

Acq: 19 Sep 2019 01:05

Instrument :

MSVOA_W

ClientSampleId :

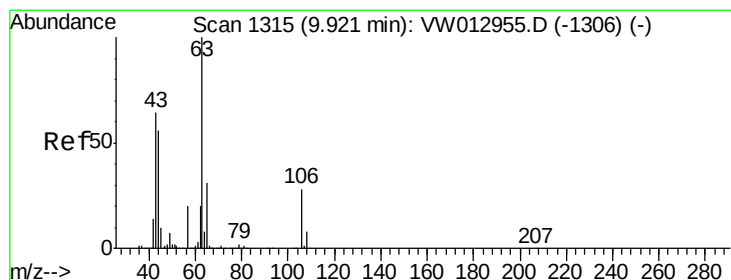
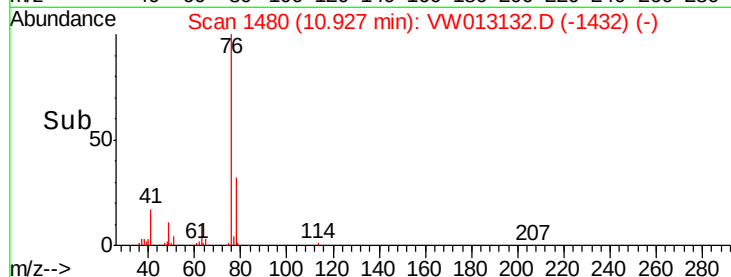
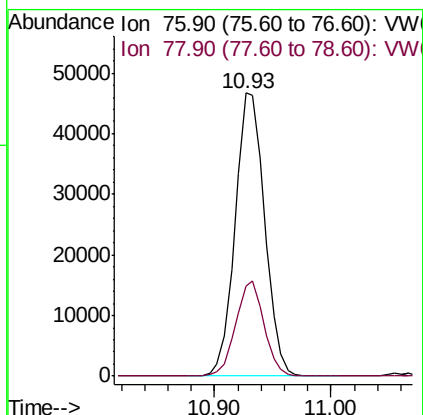
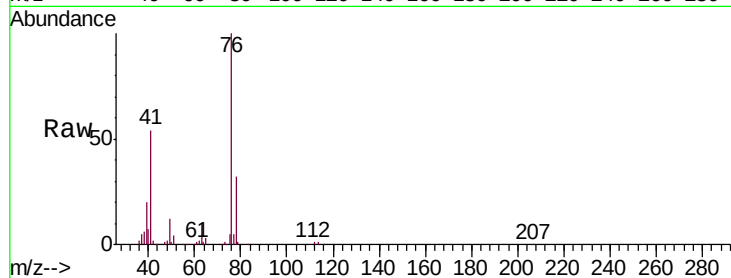
VW0918SBS02

Tgt Ion: 76 Resp: 82553

Ion Ratio Lower Upper

76 100

78 32.3 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 99.633 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW013132.D

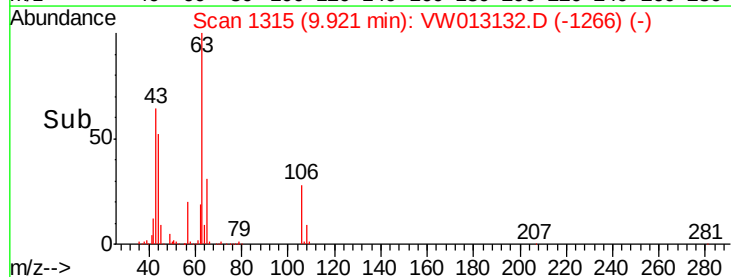
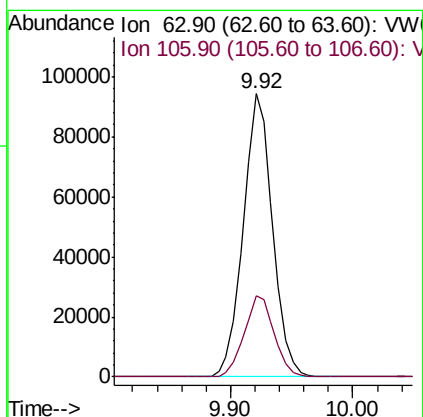
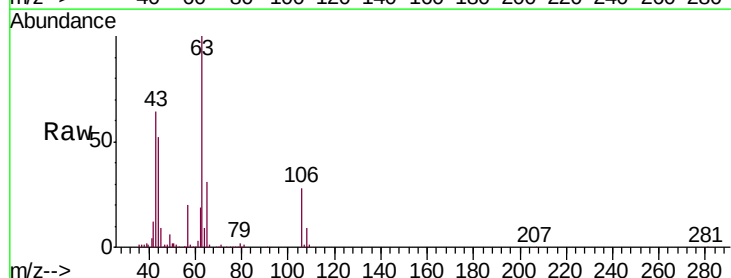
Acq: 19 Sep 2019 01:05

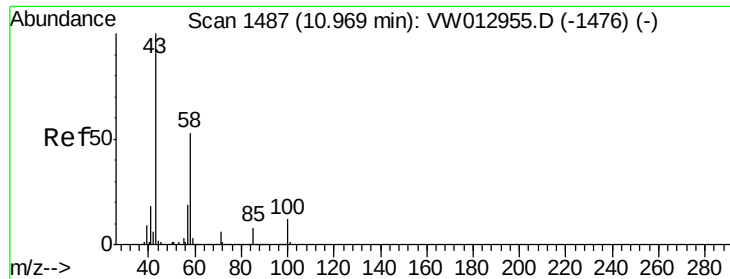
Tgt Ion: 63 Resp: 156408

Ion Ratio Lower Upper

63 100

106 29.4 22.2 33.2

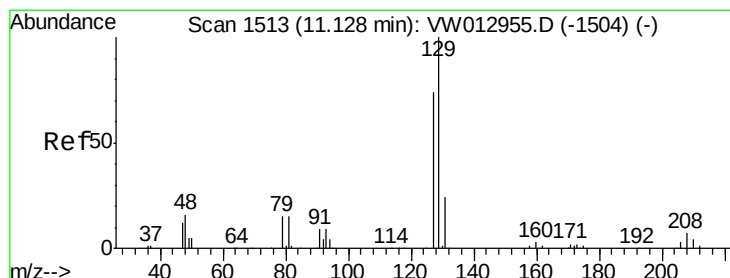
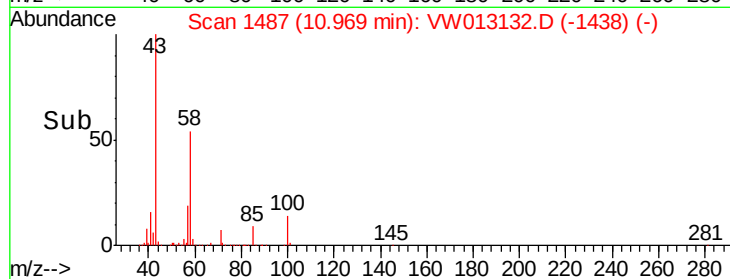
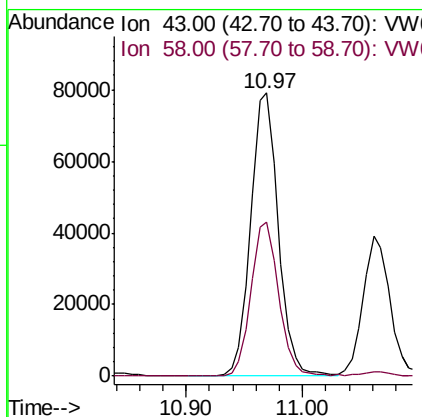
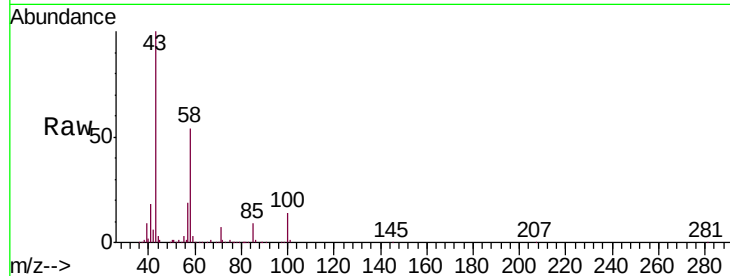




#59
2-Hexanone
Concen: 89.161 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013132.D
Acq: 19 Sep 2019 01:05

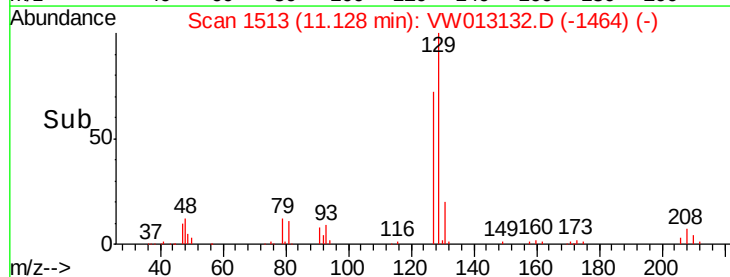
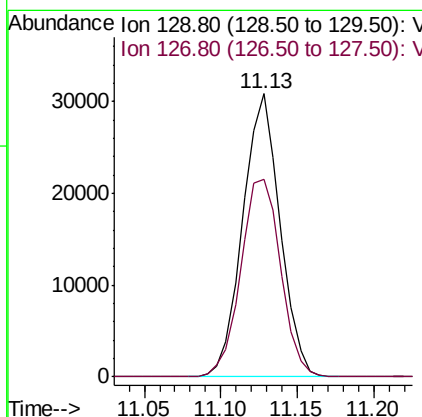
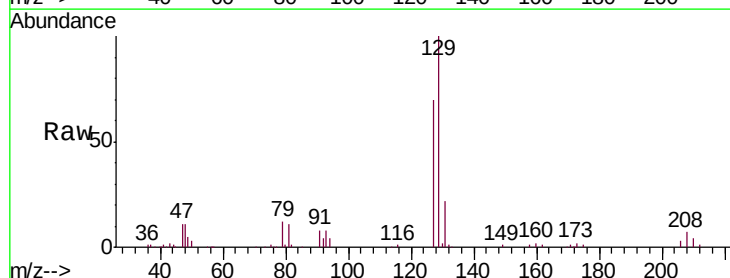
Instrument :
MSVOA_W
ClientSampleId :
VW0918SBS02

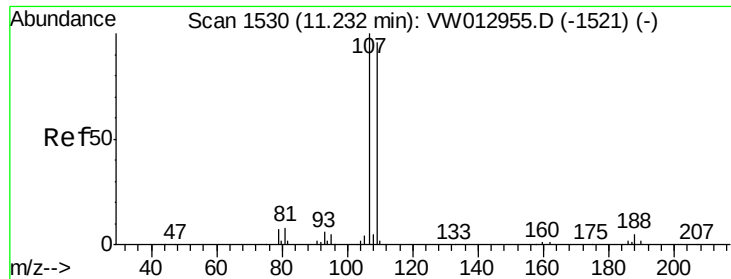
Tgt Ion: 43 Resp: 131194
Ion Ratio Lower Upper
43 100
58 54.7 25.8 77.3



#60
Dibromochloromethane
Concen: 19.900 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013132.D
Acq: 19 Sep 2019 01:05

Tgt Ion: 129 Resp: 52307
Ion Ratio Lower Upper
129 100
127 74.6 37.4 112.2

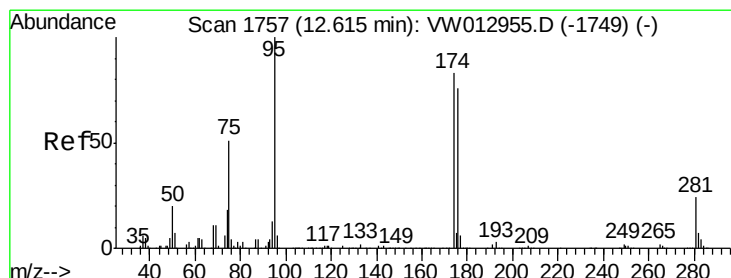
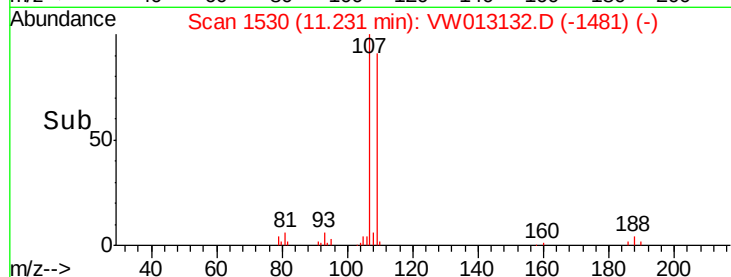
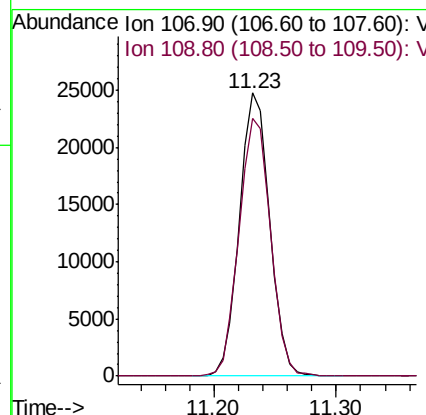
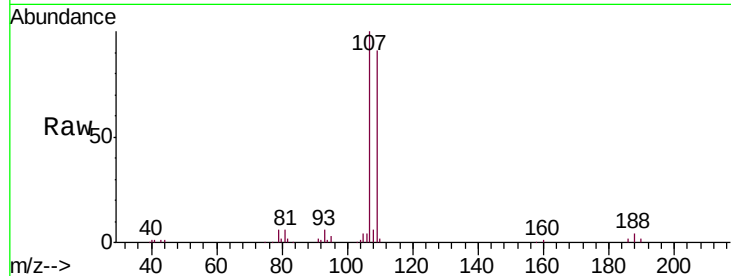




#61
 1,2-Dibromoethane
 Concen: 21.337 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013132.D
 Acq: 19 Sep 2019 01:05

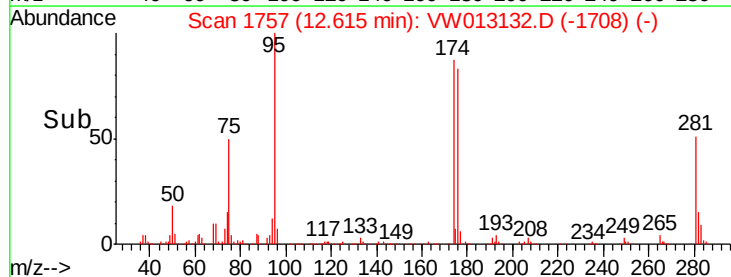
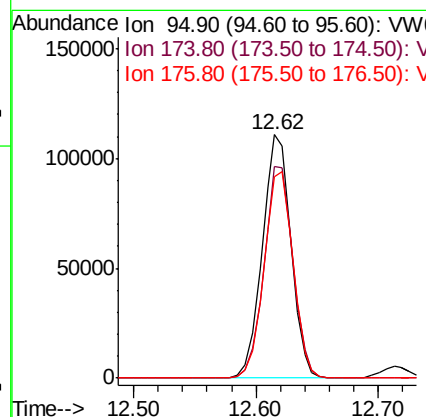
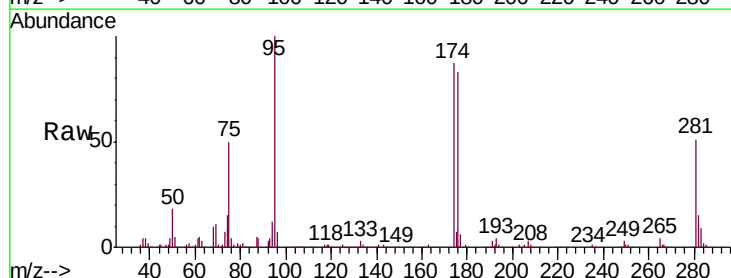
Instrument :
 MSVOA_W
 ClientSampled :
 VW0918SBS02

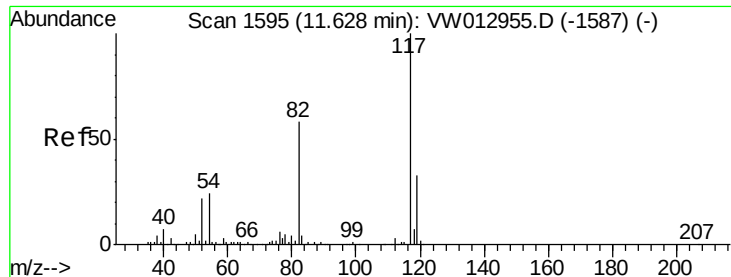
Tgt Ion: 107 Resp: 42319
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 47.100 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013132.D
 Acq: 19 Sep 2019 01:05

Tgt Ion: 95 Resp: 180740
 Ion Ratio Lower Upper
 95 100
 174 87.4 0.0 170.4
 176 85.7 0.0 164.6

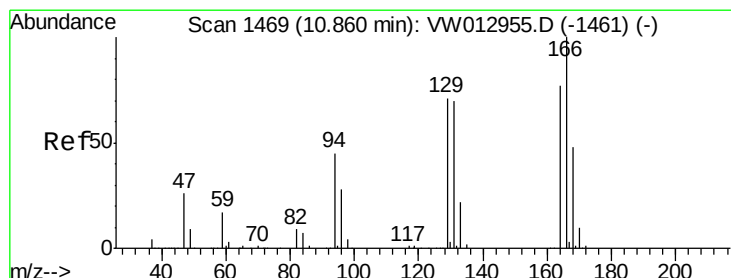
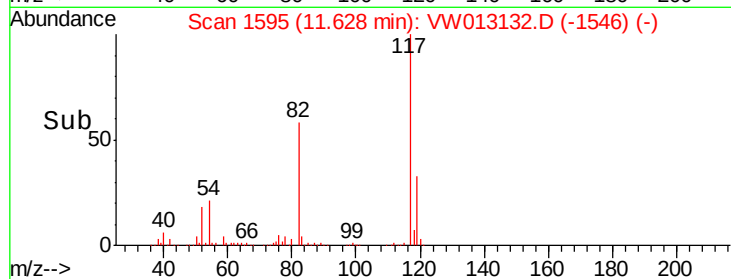
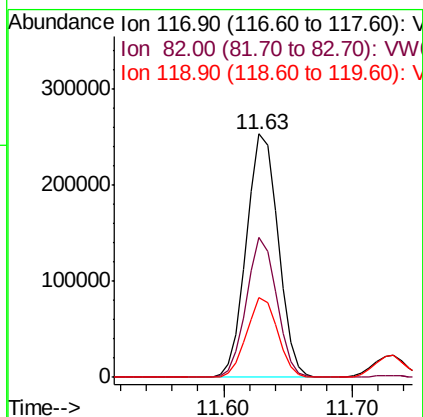
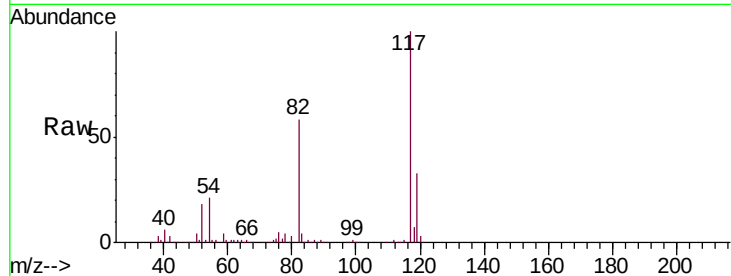




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013132.D
Acq: 19 Sep 2019 01:05

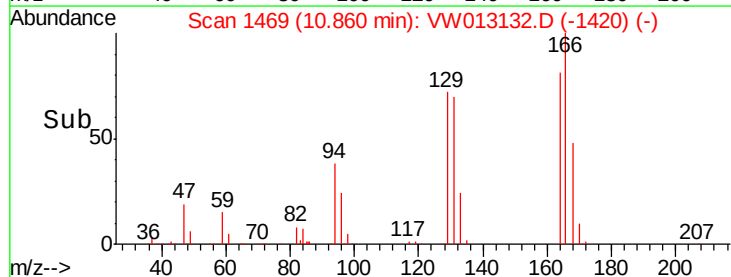
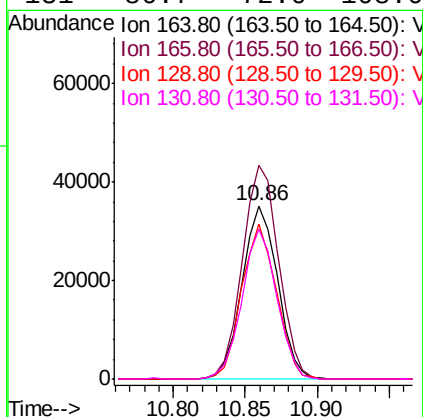
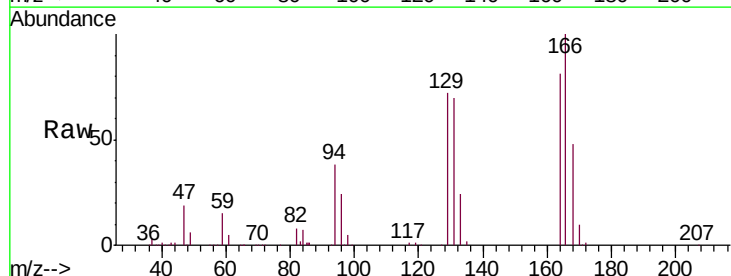
Instrument :
MSVOA_W
ClientSampleId :
VW0918SBS02

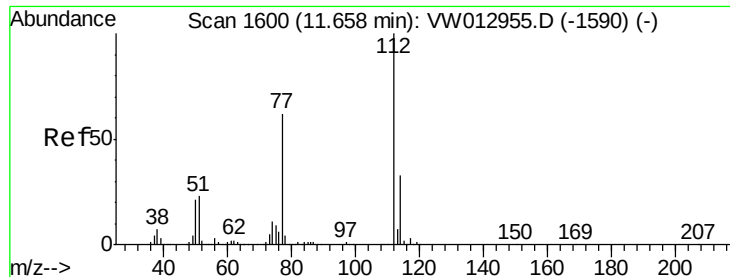
Tgt Ion:117 Resp: 431407
Ion Ratio Lower Upper
117 100
82 57.5 46.3 69.5
119 32.9 26.2 39.4



#64
Tetrachloroethene
Concen: 23.348 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013132.D
Acq: 19 Sep 2019 01:05

Tgt Ion:164 Resp: 59921
Ion Ratio Lower Upper
164 100
166 123.4 103.3 154.9
129 89.2 73.8 110.8
131 86.7 72.0 108.0

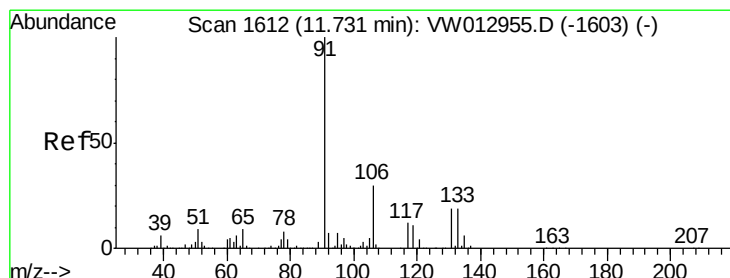
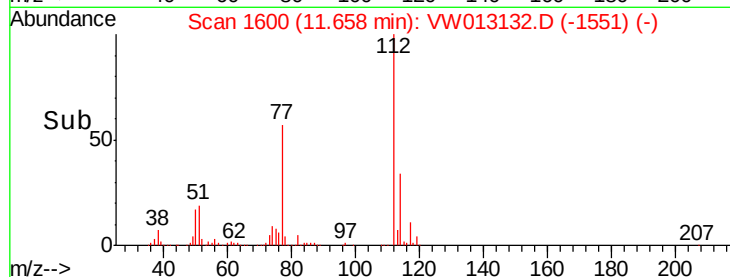
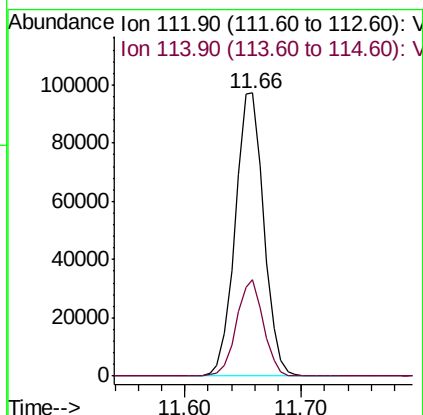
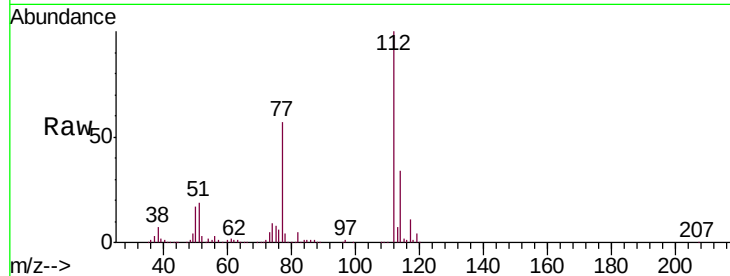




#65
Chlorobenzene
Concen: 21.608 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013132.D
Acq: 19 Sep 2019 01:05

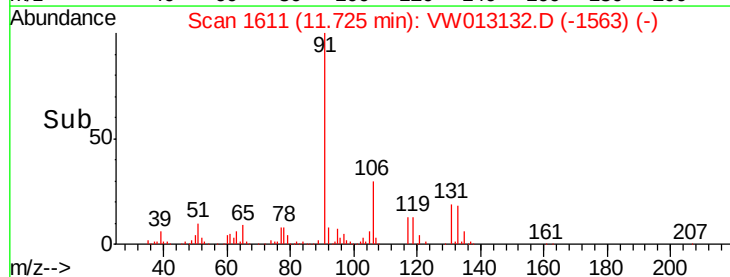
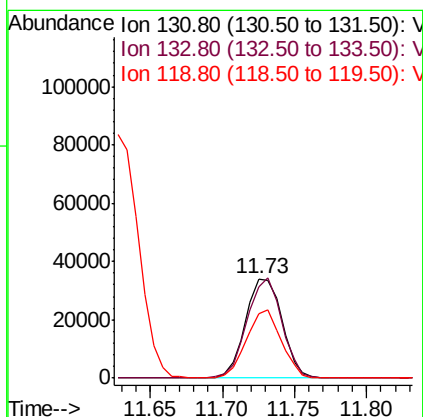
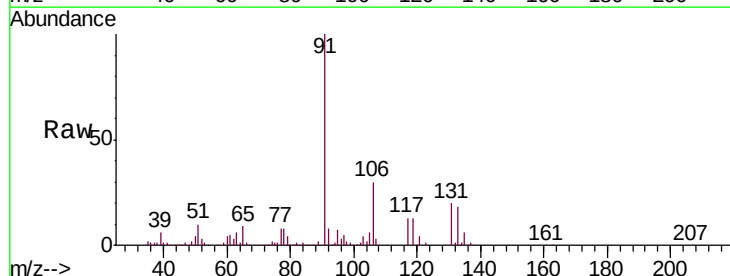
Instrument :
MSVOA_W
ClientSampled :
VW0918SBS02

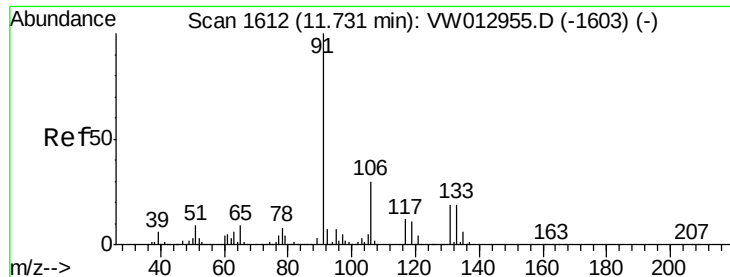
Tgt Ion:112 Resp: 166047
Ion Ratio Lower Upper
112 100
114 34.1 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.416 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013132.D
Acq: 19 Sep 2019 01:05

Tgt Ion:131 Resp: 60121
Ion Ratio Lower Upper
131 100
133 95.7 47.9 143.8
119 65.0 30.9 92.7

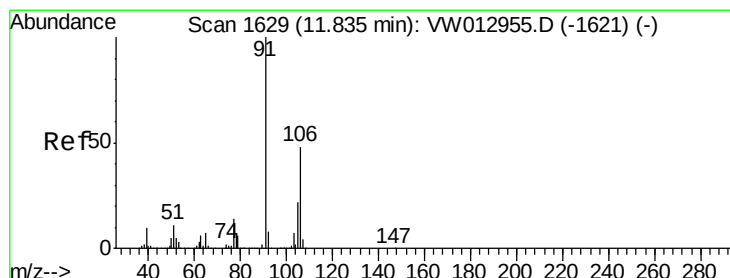
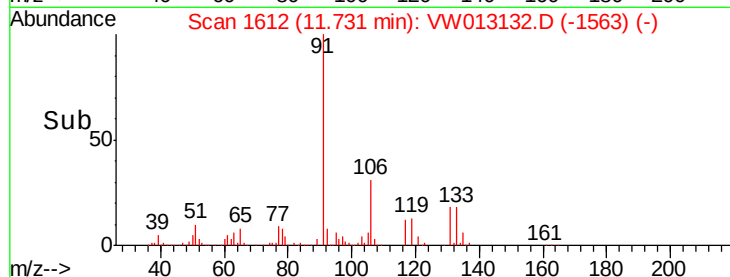
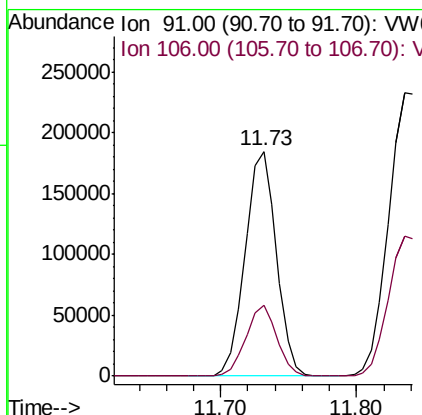
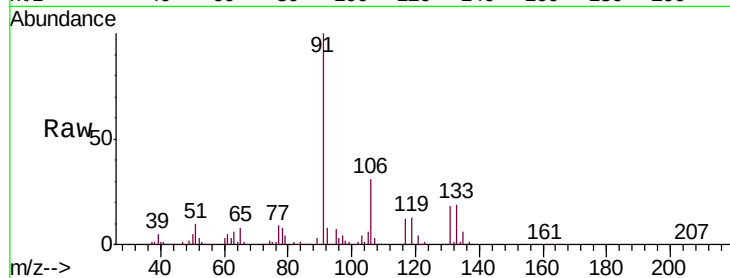




#67
Ethyl Benzene
Concen: 20.965 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013132.D
Acq: 19 Sep 2019 01:05

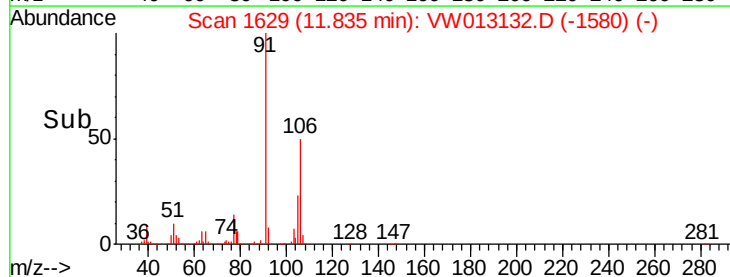
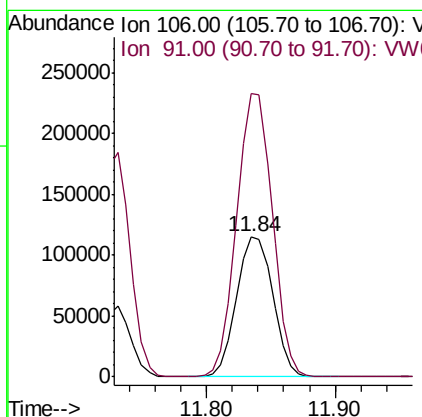
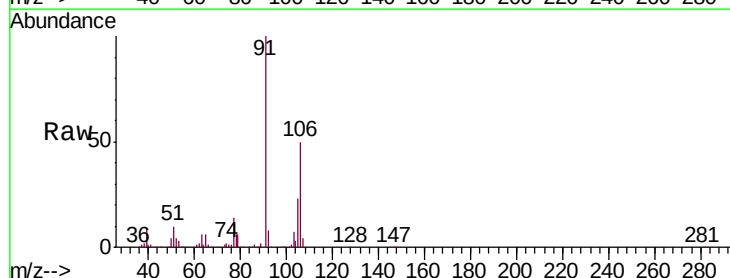
Instrument :
MSVOA_W
ClientSampled :
VW0918SBS02

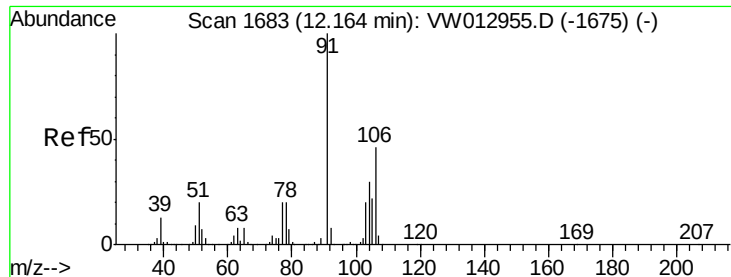
Tgt Ion: 91 Resp: 297538
Ion Ratio Lower Upper
91 100
106 31.4 24.3 36.5



#68
m/p-Xylenes
Concen: 43.343 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW013132.D
Acq: 19 Sep 2019 01:05

Tgt Ion: 106 Resp: 224713
Ion Ratio Lower Upper
106 100
91 199.0 165.8 248.8

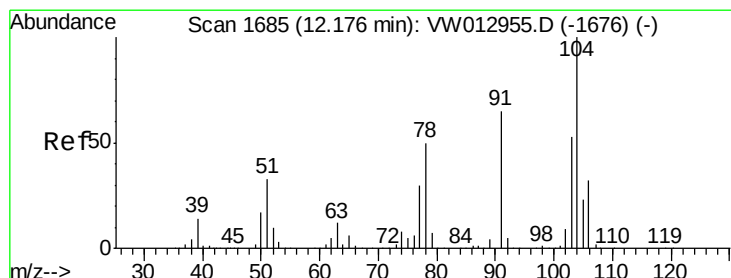
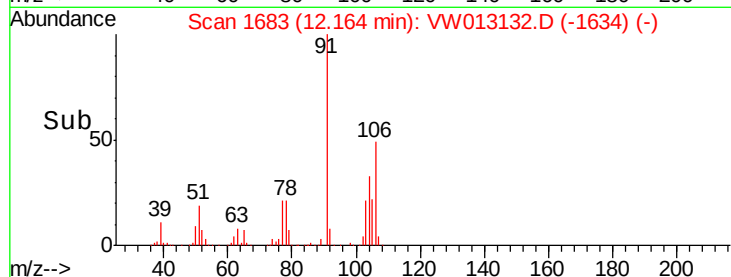
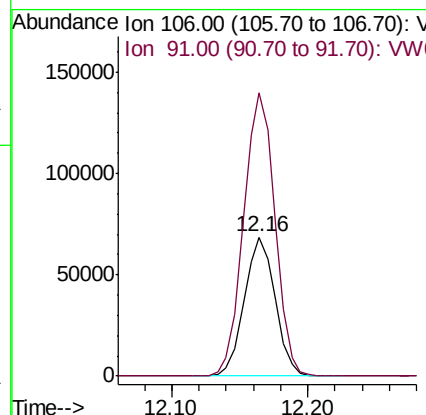
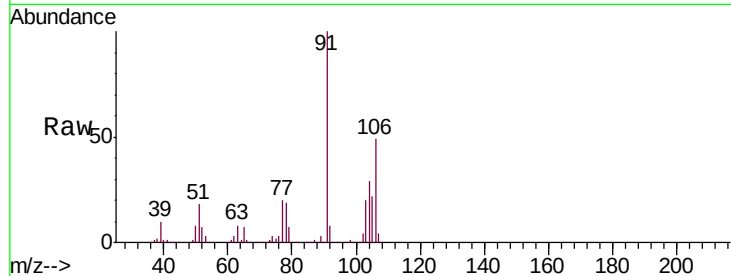




#69
o-Xylene
Concen: 22.305 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013132.D
Acq: 19 Sep 2019 01:05

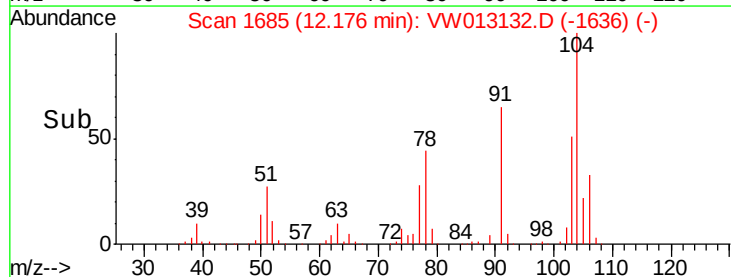
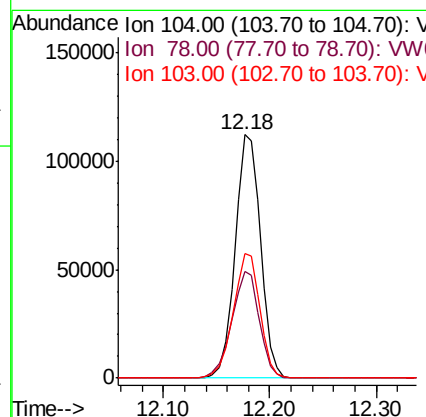
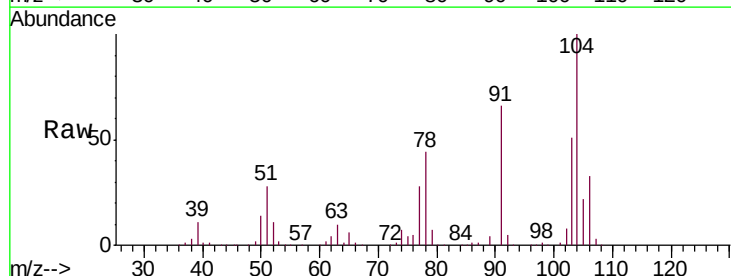
Instrument :
MSVOA_W
ClientSampleId :
VW0918SBS02

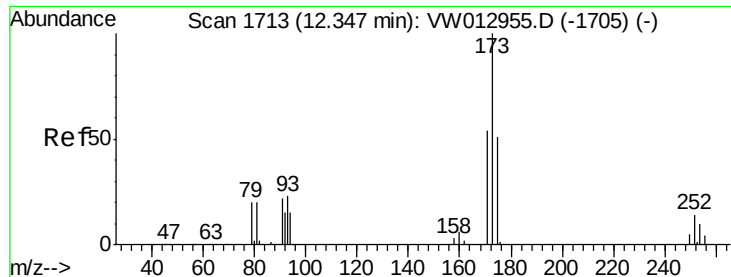
Tgt Ion:106 Resp: 108415
Ion Ratio Lower Upper
106 100
91 207.6 109.7 329.0



#70
Styrene
Concen: 21.778 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW013132.D
Acq: 19 Sep 2019 01:05

Tgt Ion:104 Resp: 188303
Ion Ratio Lower Upper
104 100
78 47.1 42.1 63.1
103 53.7 44.2 66.4





#71

Bromoform

Concen: 19.692 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013132.D

Acq: 19 Sep 2019 01:05

Instrument :

MSVOA_W

ClientSampleId :

VW0918SBS02

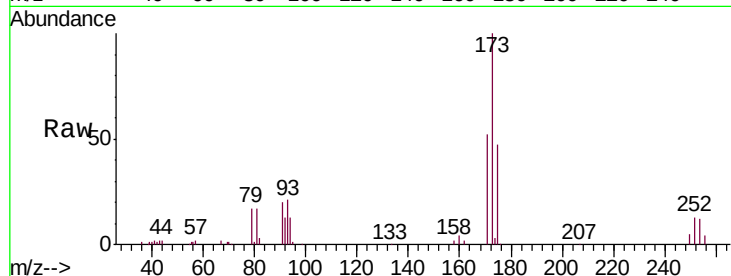
Tgt Ion:173 Resp: 30459

Ion Ratio Lower Upper

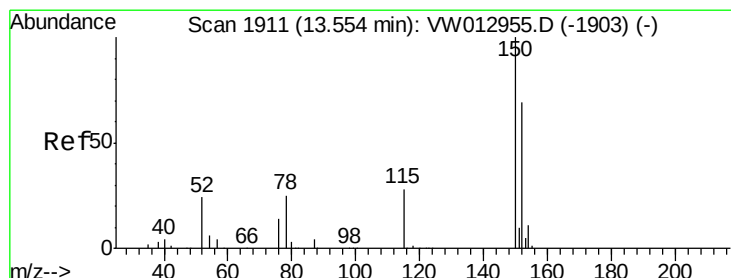
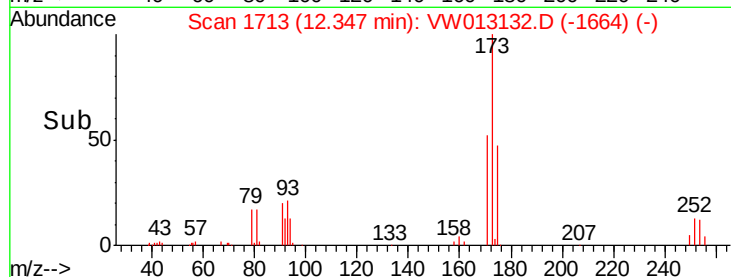
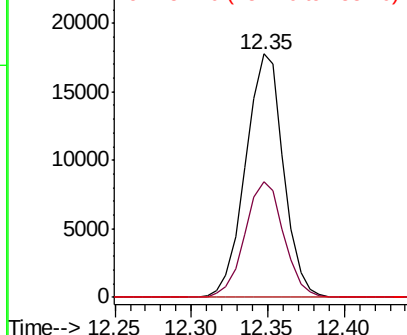
173 100

175 48.8 24.2 72.6

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.00 min

Lab File: VW013132.D

Acq: 19 Sep 2019 01:05

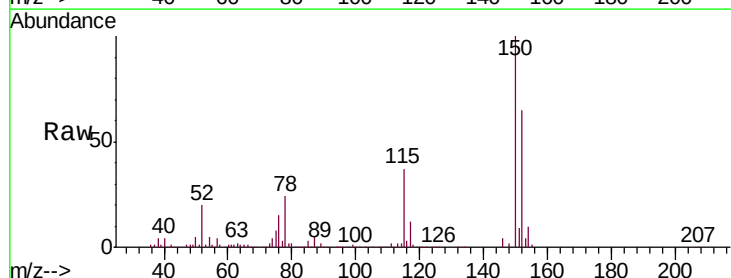
Tgt Ion:152 Resp: 215137

Ion Ratio Lower Upper

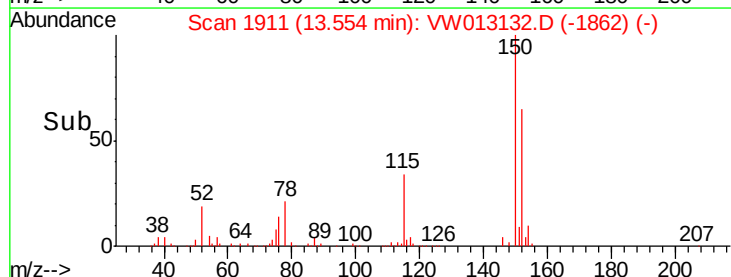
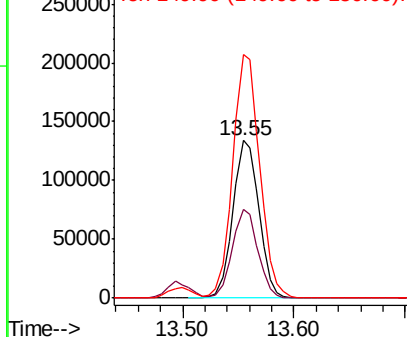
152 100

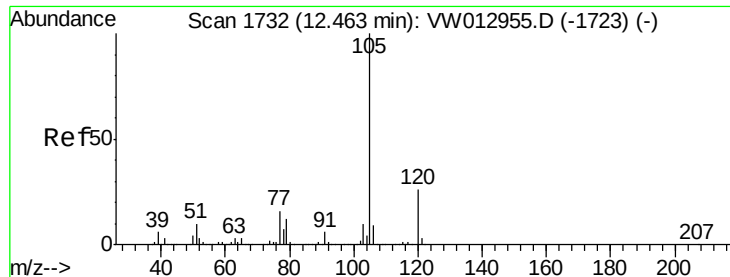
115 55.7 28.8 86.4

150 160.9 0.0 340.2



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: 21.171 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013132.D

Acq: 19 Sep 2019 01:05

Instrument :

MSVOA_W

ClientSampleId :

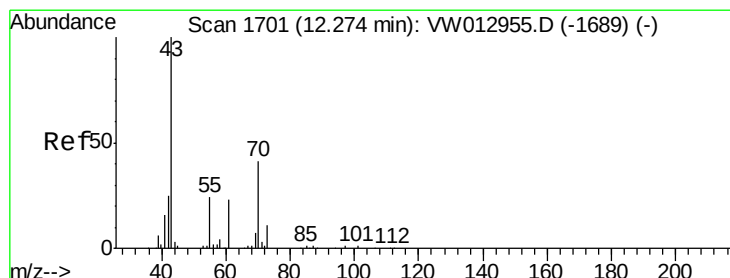
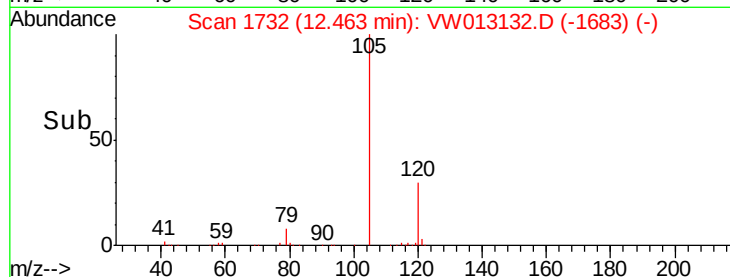
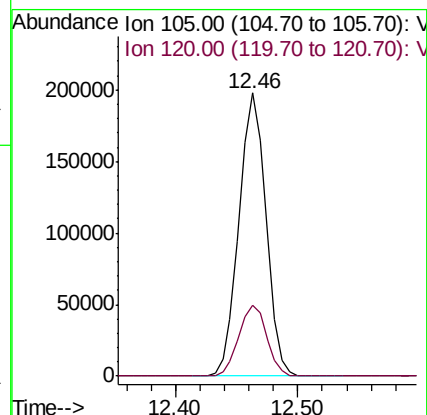
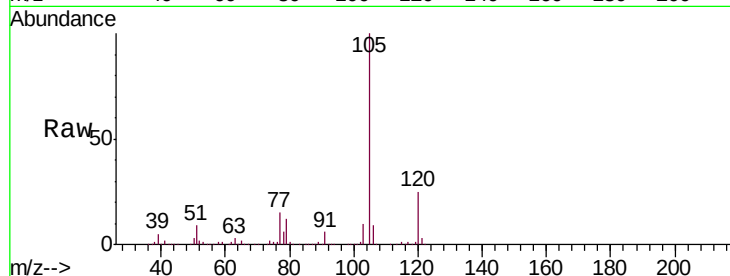
VW0918SBS02

Tgt Ion:105 Resp: 301893

Ion Ratio Lower Upper

105 100

120 26.0 13.0 39.0



#74

N-ethyl acetate

Concen: 17.304 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW013132.D

Acq: 19 Sep 2019 01:05

Tgt Ion: 43 Resp: 63476

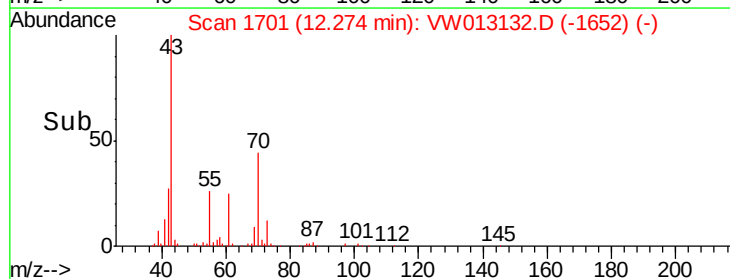
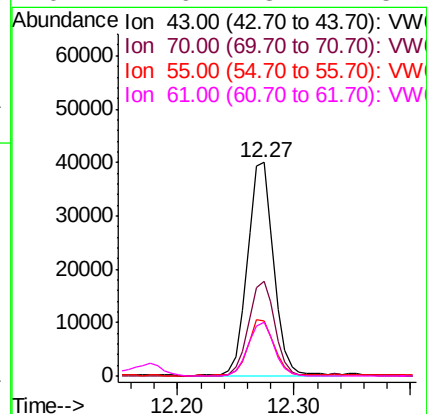
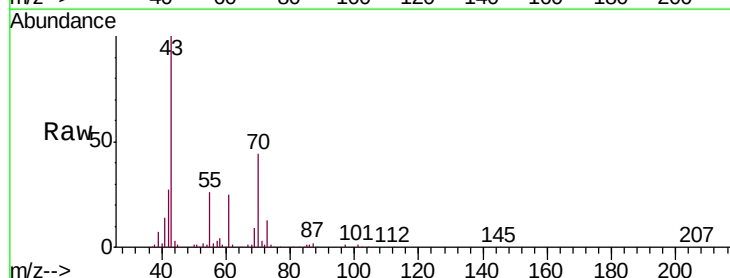
Ion Ratio Lower Upper

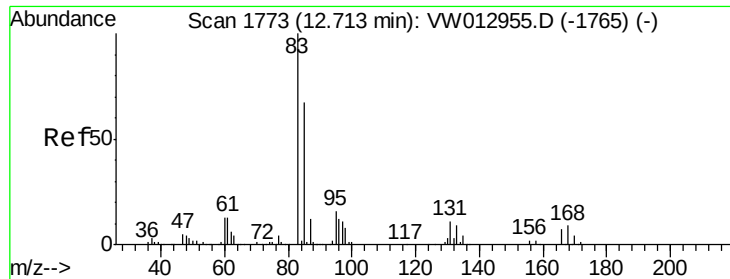
43 100

70 44.2 31.7 47.5

55 26.0 19.4 29.2

61 24.9 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.439 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013132.D

Acq: 19 Sep 2019 01:05

Instrument :

MSVOA_W

ClientSampleId :

VW0918SBS02

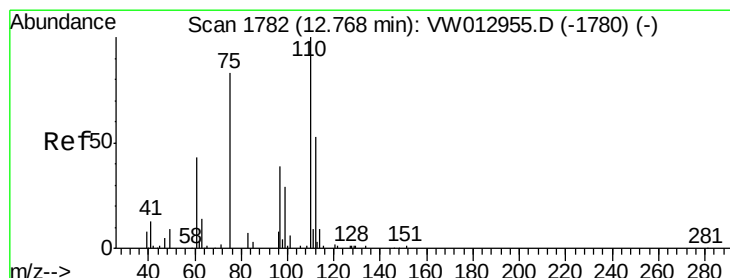
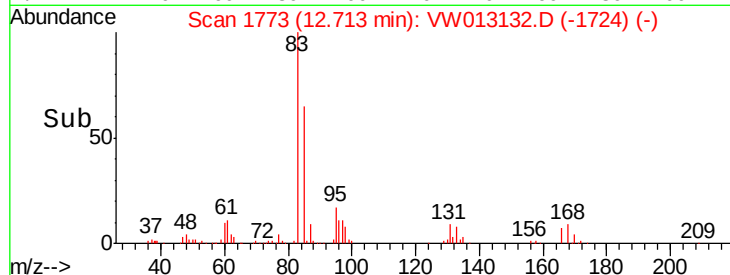
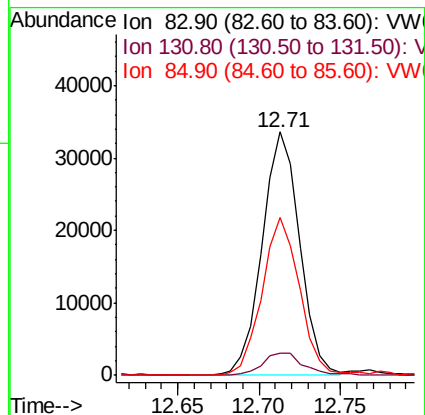
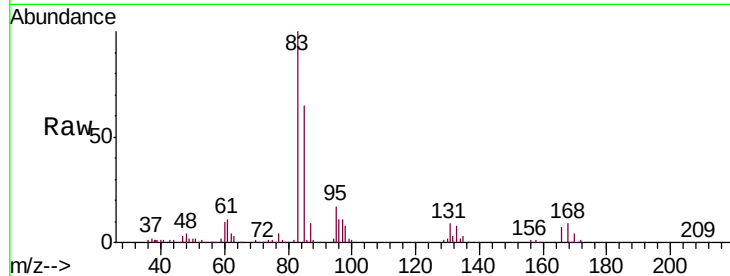
Tgt Ion: 83 Resp: 53695

Ion Ratio Lower Upper

83 100

131 10.1 5.7 17.1

85 64.8 31.4 94.3



#76

1,2,3-Trichloropropane

Concen: 35.105 ug/l

RT: 12.76 min Scan# 1781

Delta R.T. -0.01 min

Lab File: VW013132.D

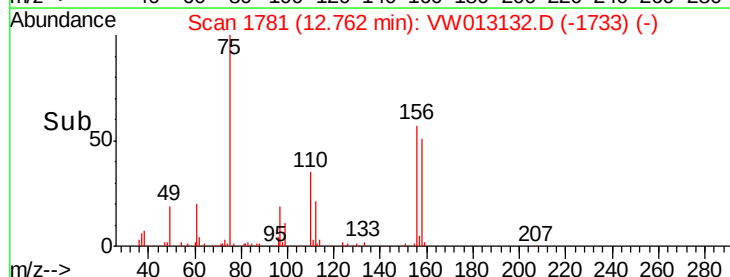
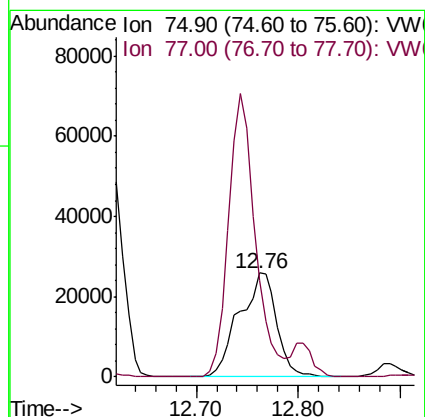
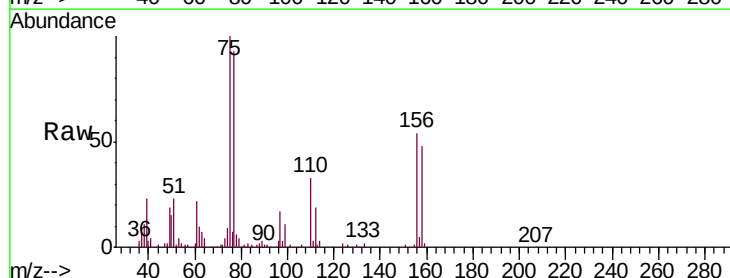
Acq: 19 Sep 2019 01:05

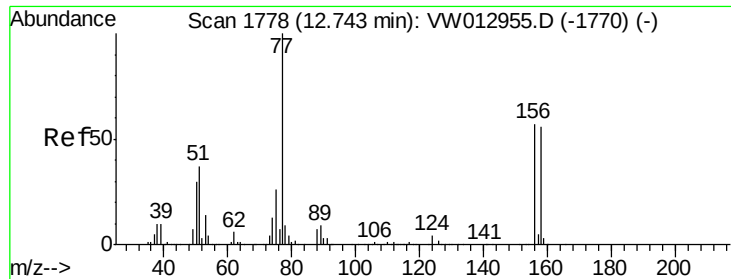
Tgt Ion: 75 Resp: 66152

Ion Ratio Lower Upper

75 100

77 193.1 0.0 0.0#





#77

Bromobenzene

Concen: 21.383 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013132.D

Acq: 19 Sep 2019 01:05

Instrument :

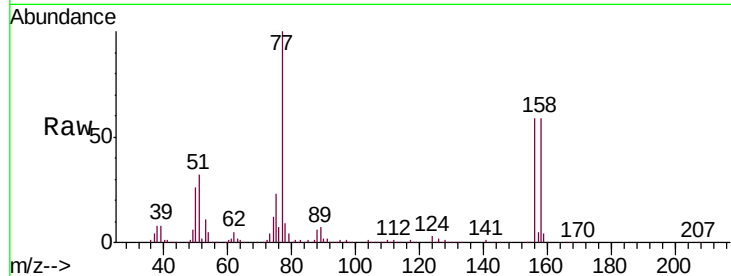
MSVOA_W

ClientSampleId :

VW0918SBS02

Tgt Ion:156 Resp: 70247

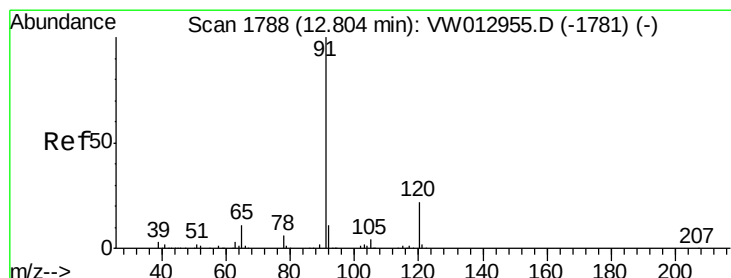
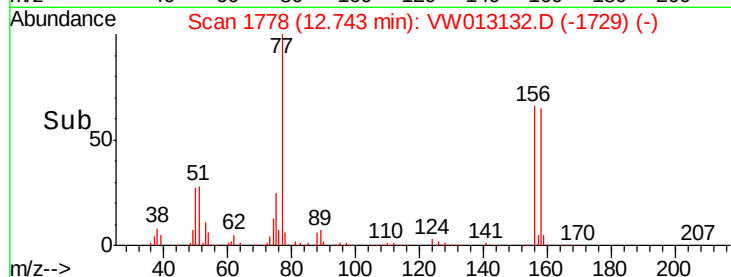
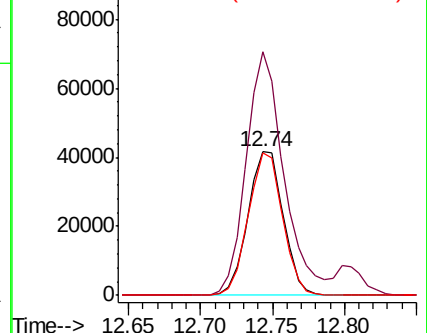
Ion	Ratio	Lower	Upper
156	100		
77	181.8	95.2	285.6
158	96.8	49.0	147.2



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



#78

n-propylbenzene

Concen: 20.620 ug/l

RT: 12.80 min Scan# 1788

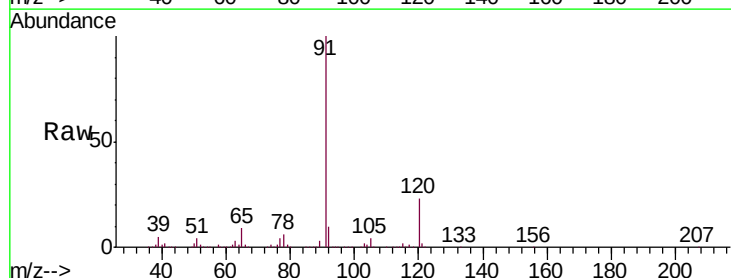
Delta R.T. -0.00 min

Lab File: VW013132.D

Acq: 19 Sep 2019 01:05

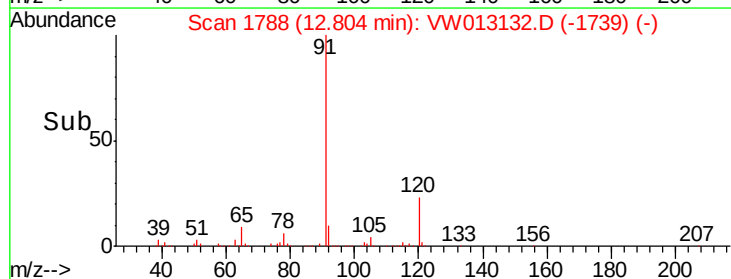
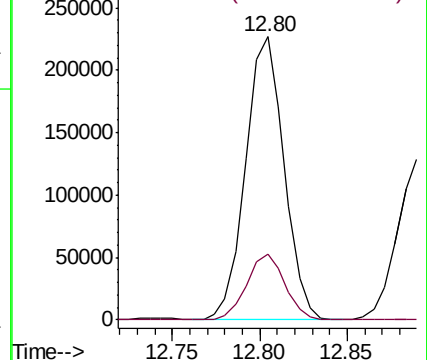
Tgt Ion: 91 Resp: 345878

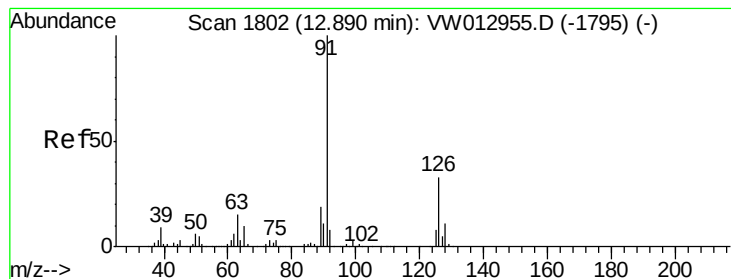
Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.2	33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.937 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013132.D

Acq: 19 Sep 2019 01:05

Instrument :

MSVOA_W

ClientSampleId :

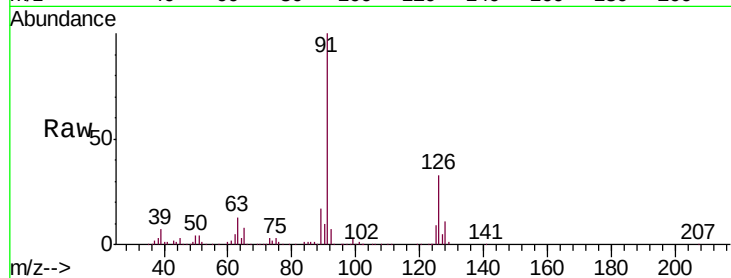
VW0918SBS02

Tgt Ion: 91 Resp: 201891

Ion Ratio Lower Upper

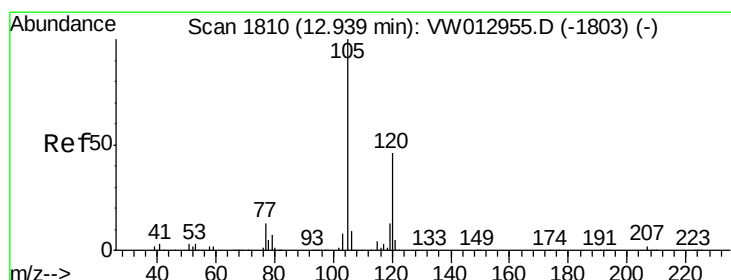
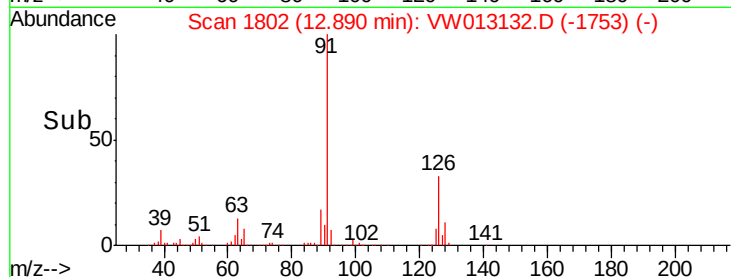
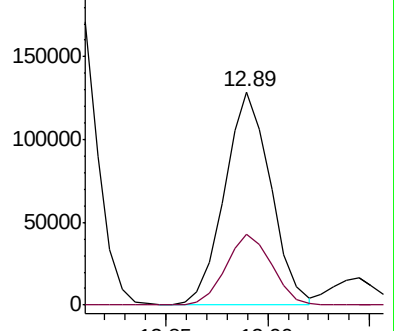
91 100

126 33.6 16.5 49.5



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: 20.725 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW013132.D

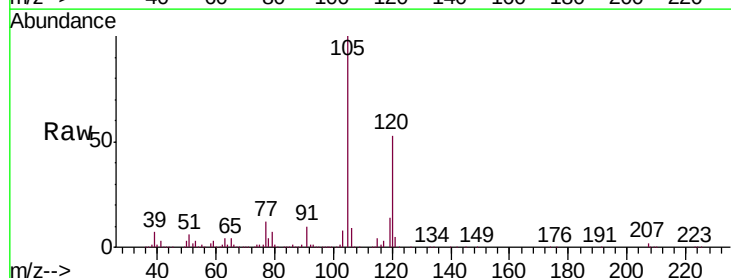
Acq: 19 Sep 2019 01:05

Tgt Ion: 105 Resp: 250023

Ion Ratio Lower Upper

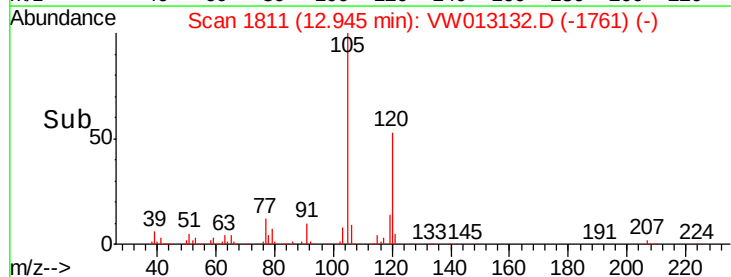
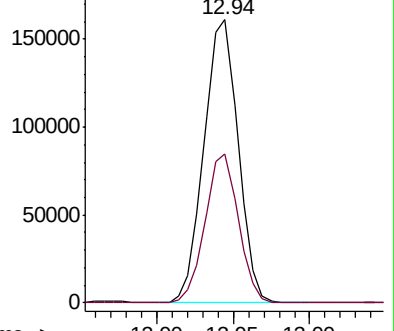
105 100

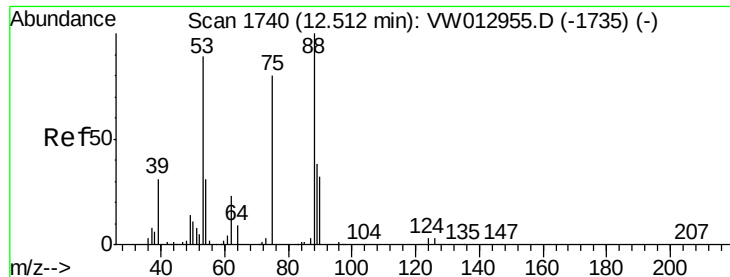
120 51.7 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.351 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013132.D

Acq: 19 Sep 2019 01:05

Instrument :

MSVOA_W

ClientSampleId :

VW0918SBS02

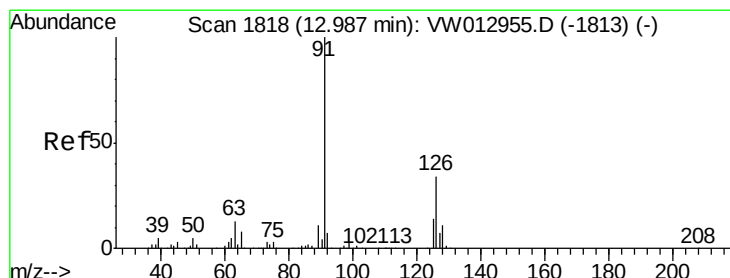
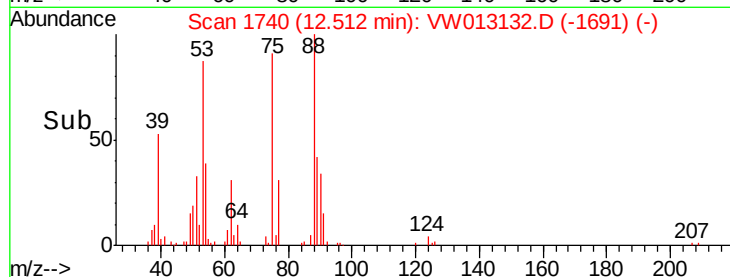
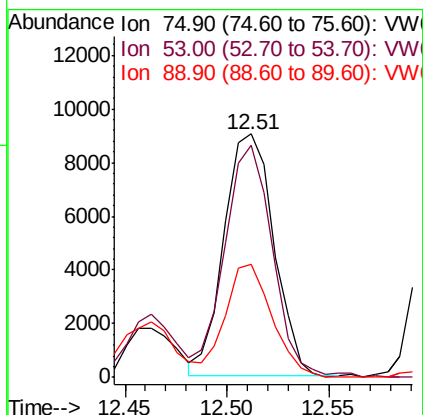
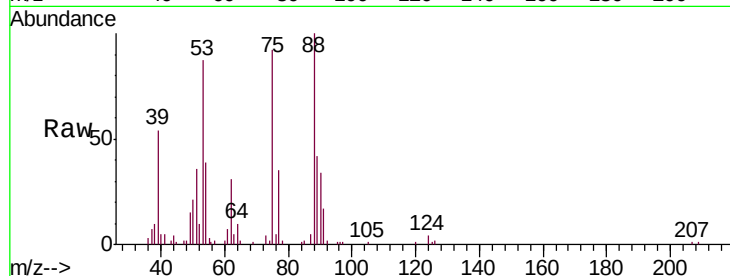
Tgt Ion: 75 Resp: 15244

Ion Ratio Lower Upper

75 100

53 93.3 85.6 128.4

89 43.7 37.2 55.8



#82

4-Chlorotoluene

Concen: 20.561 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW013132.D

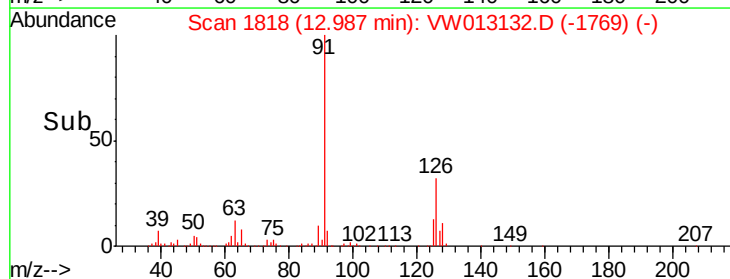
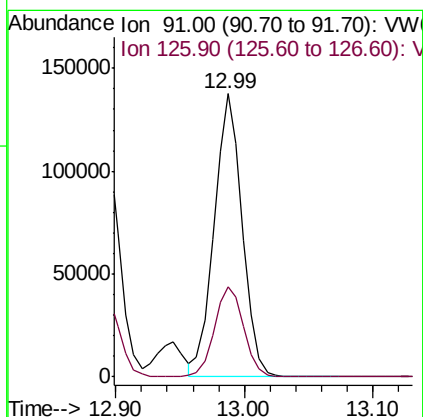
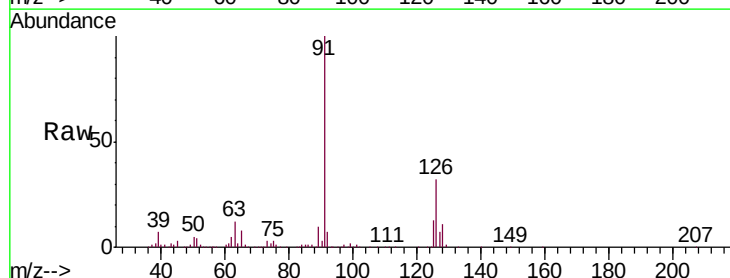
Acq: 19 Sep 2019 01:05

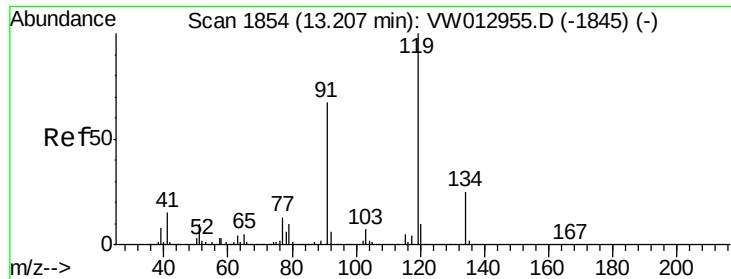
Tgt Ion: 91 Resp: 209187

Ion Ratio Lower Upper

91 100

126 33.3 16.1 48.3

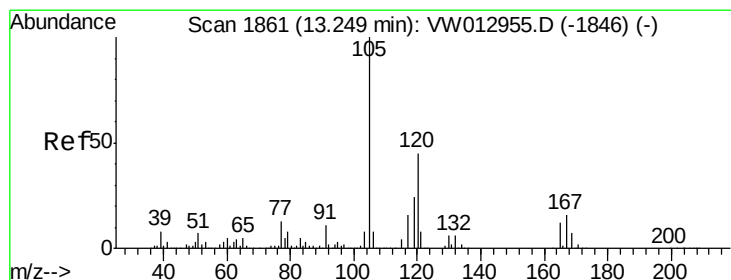
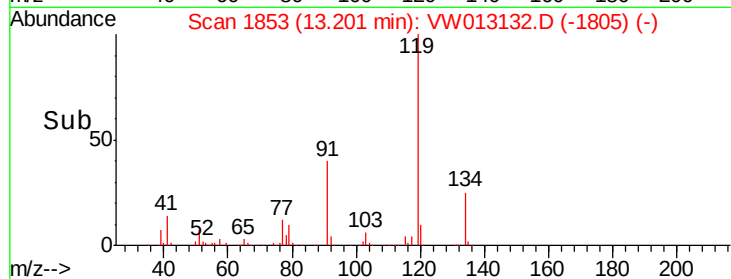
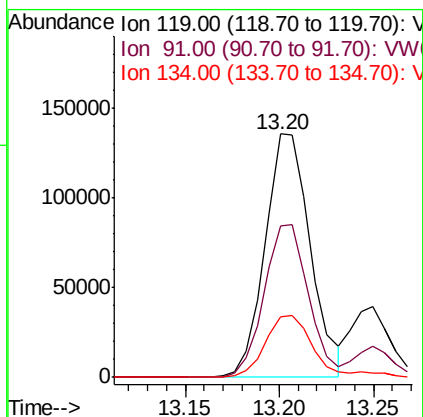
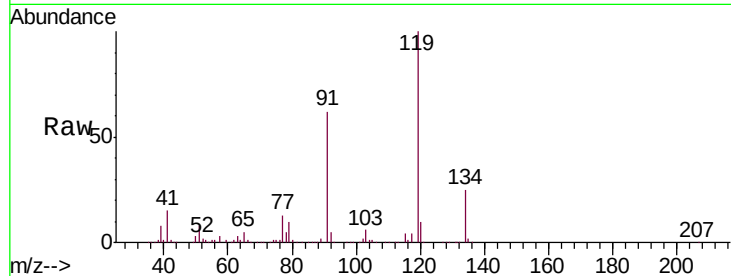




#83
 tert-Butylbenzene
 Concen: 21.021 ug/l
 RT: 13.20 min Scan# 1853
 Delta R.T. -0.01 min
 Lab File: VW013132.D
 Acq: 19 Sep 2019 01:05

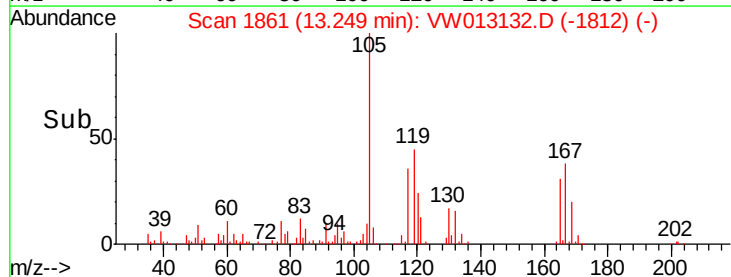
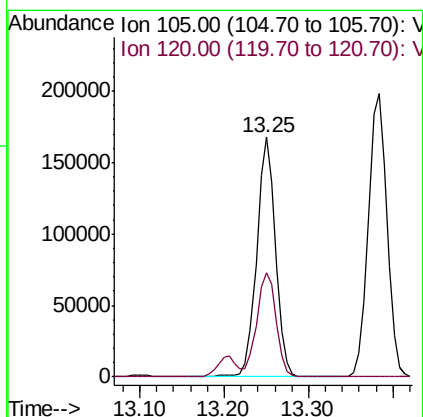
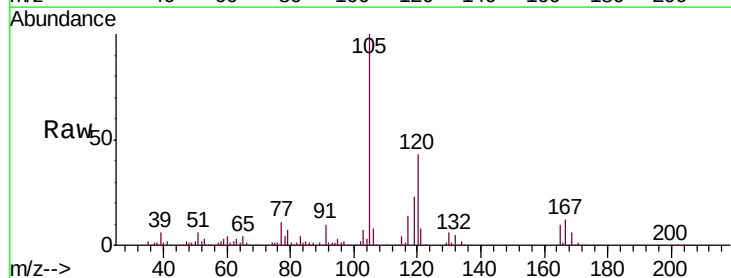
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBS02

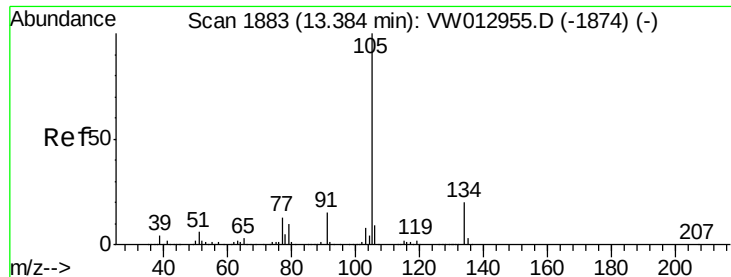
Tgt Ion:119 Resp: 226833
 Ion Ratio Lower Upper
 119 100
 91 61.5 32.6 98.0
 134 26.0 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 21.318 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013132.D
 Acq: 19 Sep 2019 01:05

Tgt Ion:105 Resp: 254133
 Ion Ratio Lower Upper
 105 100
 120 44.4 21.9 65.7

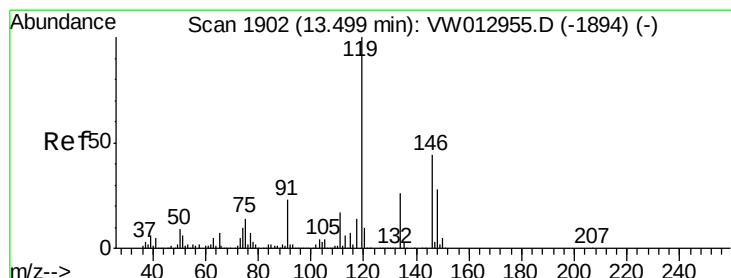
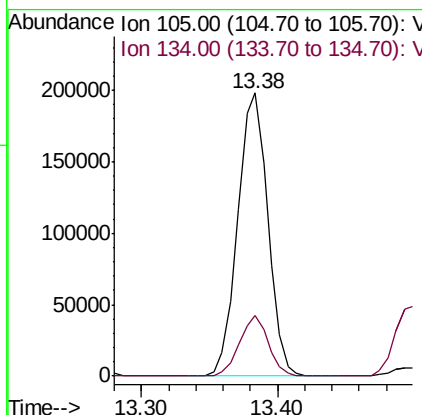
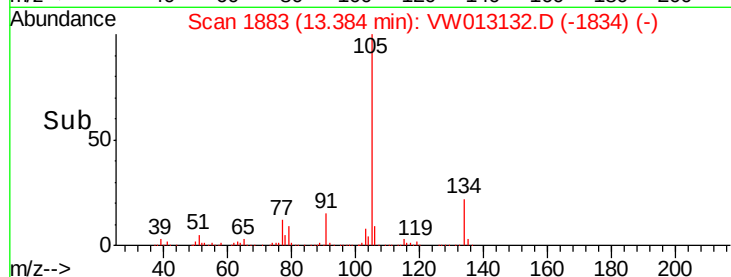
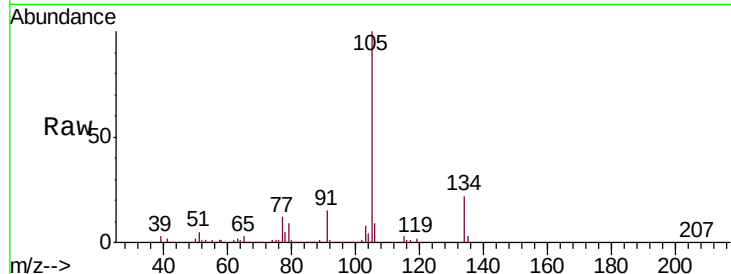




#85
 sec-Butylbenzene
 Concen: 20.806 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013132.D
 Acq: 19 Sep 2019 01:05

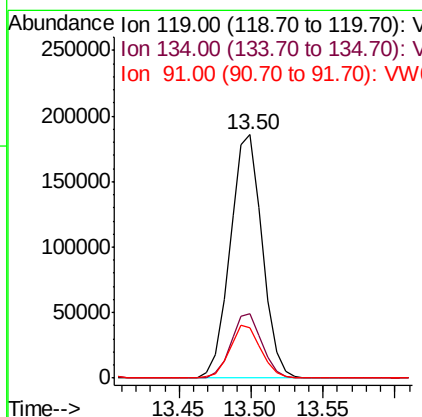
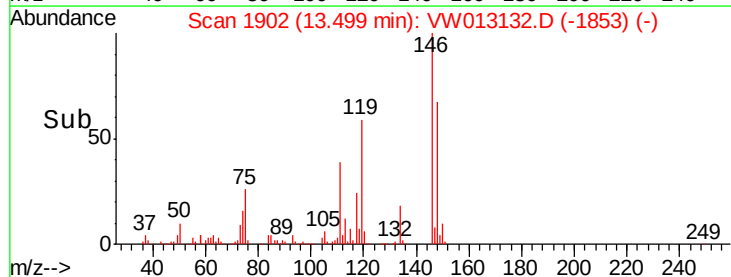
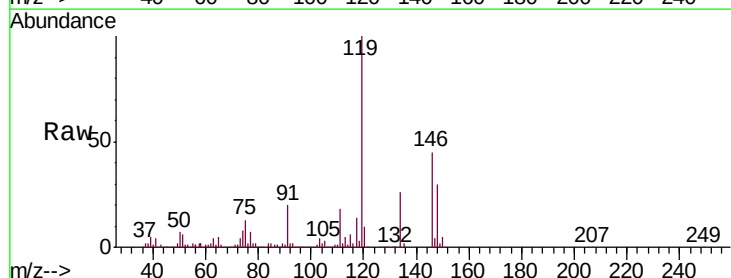
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBS02

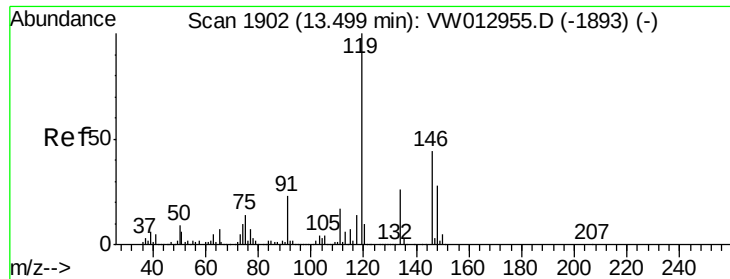
Tgt Ion:105 Resp: 305888
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 21.257 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013132.D
 Acq: 19 Sep 2019 01:05

Tgt Ion:119 Resp: 286921
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.8 38.3
 91 21.1 11.8 35.4

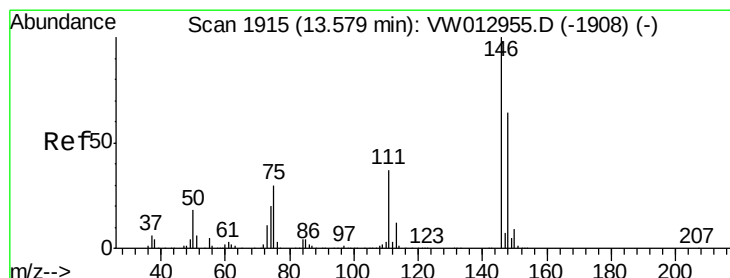
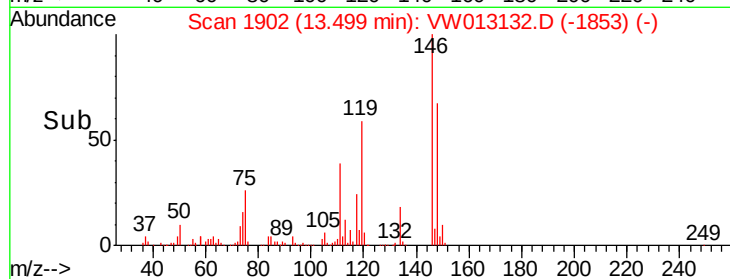
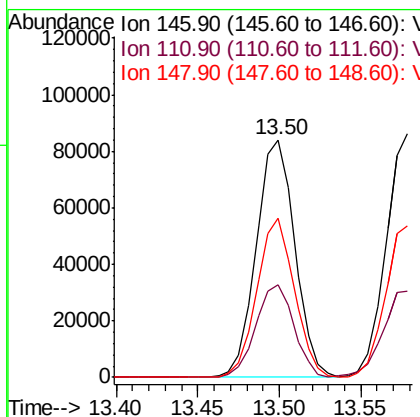
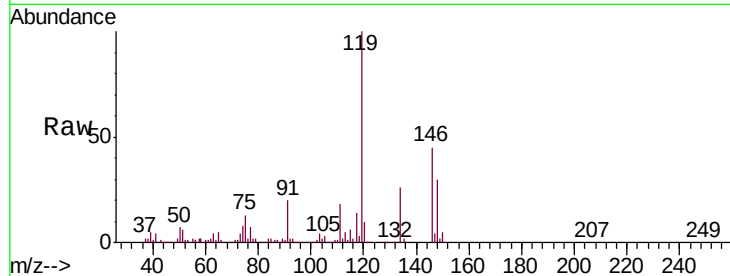




#87
 1,3-Dichlorobenzene
 Concen: 21.189 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013132.D
 Acq: 19 Sep 2019 01:05

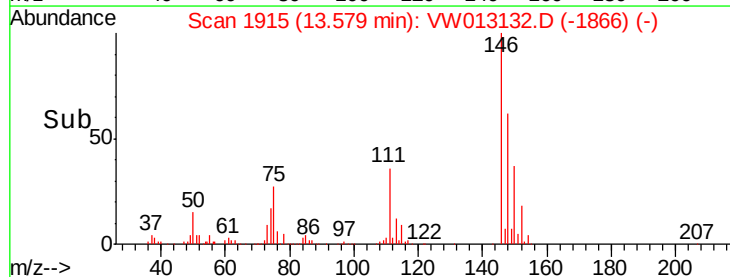
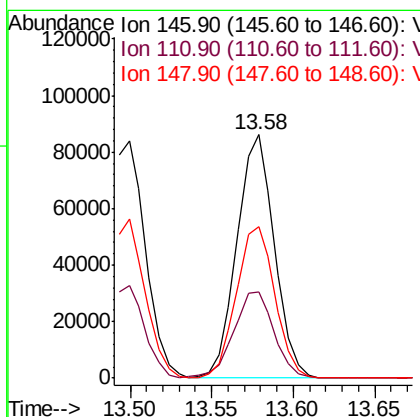
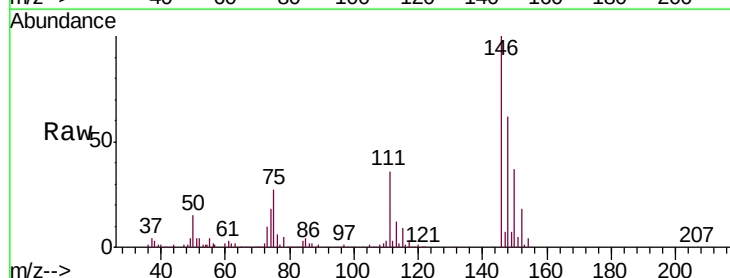
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBS02

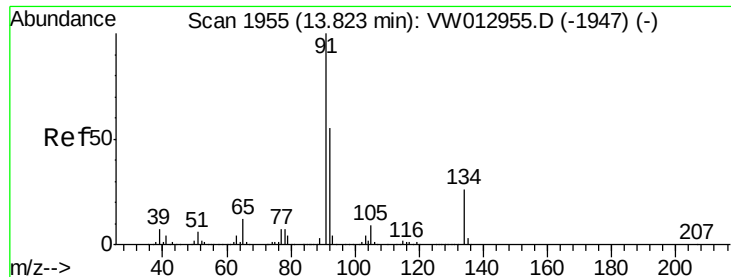
Tgt Ion:146 Resp: 137793
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.8 59.4
 148 64.8 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 21.466 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013132.D
 Acq: 19 Sep 2019 01:05

Tgt Ion:146 Resp: 137181
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.4 58.2
 148 64.4 31.9 95.5





#89

n-Butylbenzene

Concen: 19.692 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013132.D

Acq: 19 Sep 2019 01:05

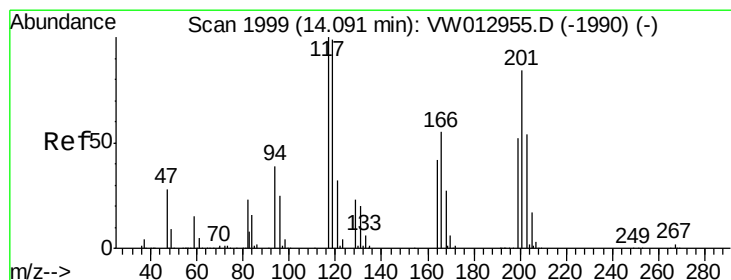
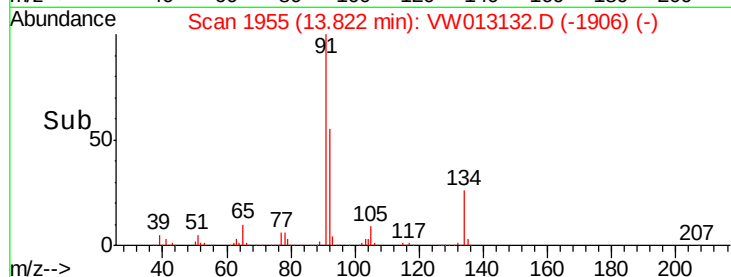
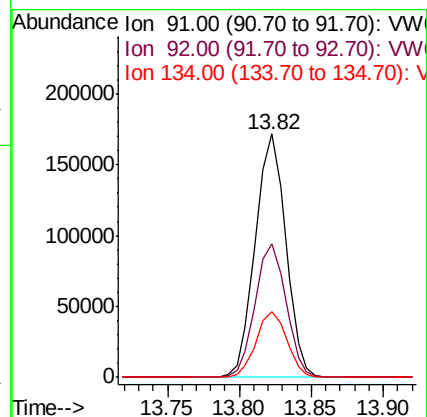
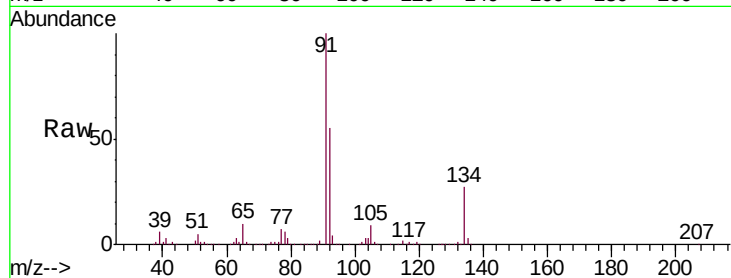
Instrument :

MSVOA_W

ClientSampleId :

VW0918SBS02

Tgt Ion:	91	Resp:	250665
Ion	Ratio	Lower	Upper
91	100		
92	55.8	27.2	81.5
134	27.4	13.1	39.1



#90

Hexachloroethane

Concen: 19.694 ug/l

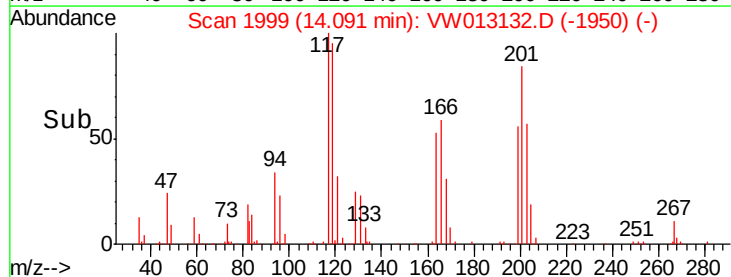
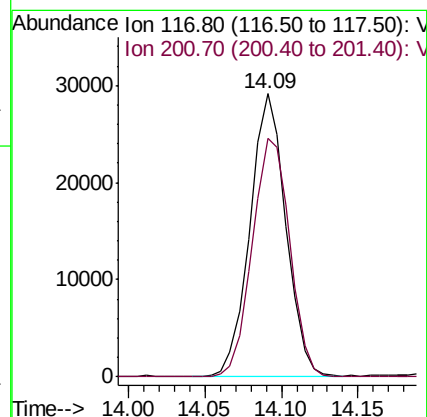
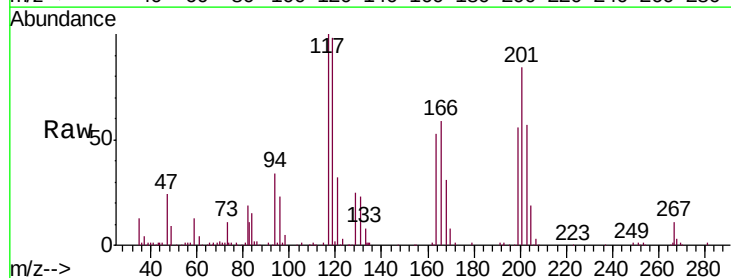
RT: 14.09 min Scan# 1999

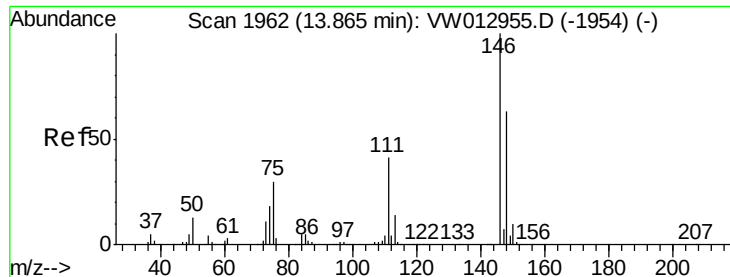
Delta R.T. -0.00 min

Lab File: VW013132.D

Acq: 19 Sep 2019 01:05

Tgt Ion:	117	Resp:	47638
Ion	Ratio	Lower	Upper
117	100		
201	87.8	45.3	135.9

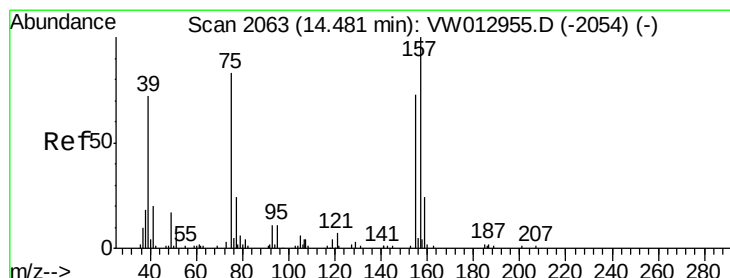
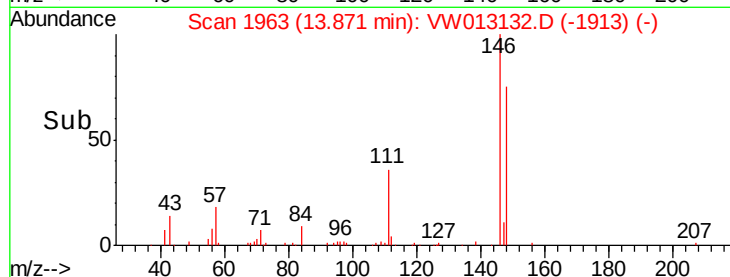
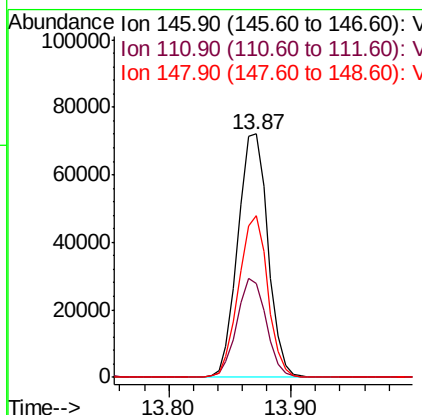
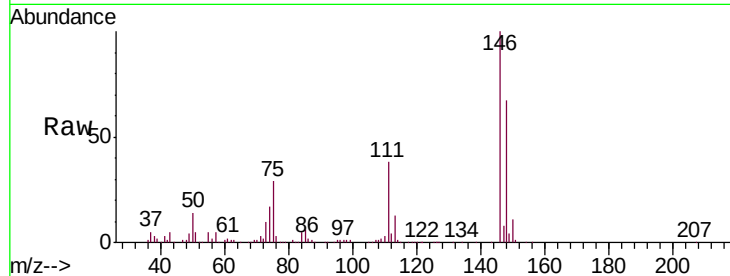




#91
 1,2-Dichlorobenzene
 Concen: 21.500 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW013132.D
 Acq: 19 Sep 2019 01:05

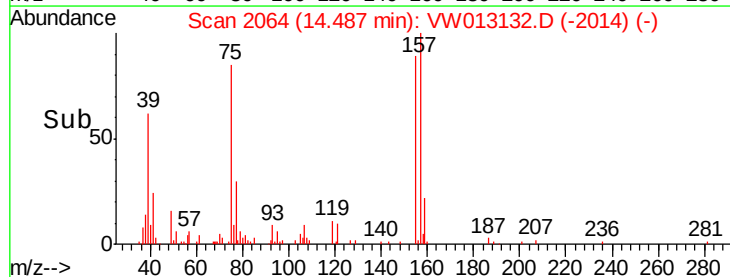
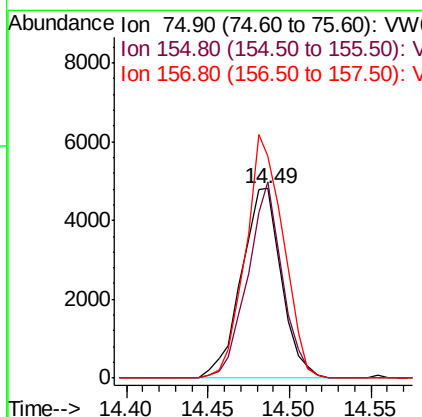
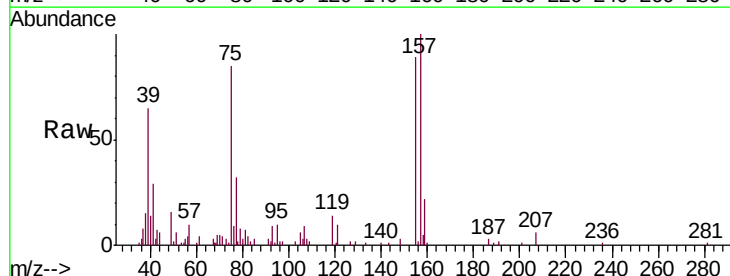
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBS02

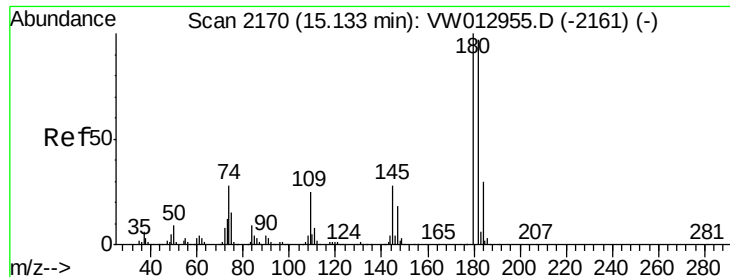
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.8	62.5
148	64.2	32.7	98.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.887 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013132.D
 Acq: 19 Sep 2019 01:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.1	43.3	129.9
157	121.7	54.7	164.1

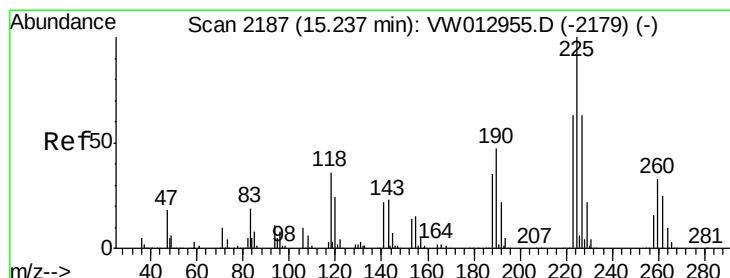
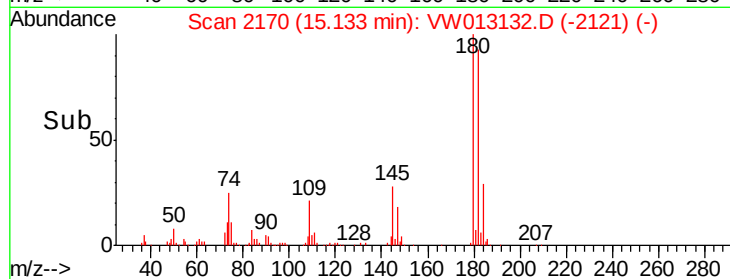
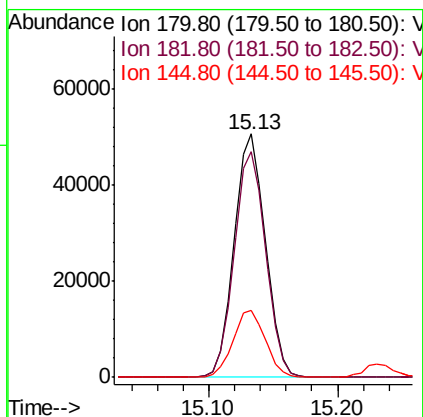
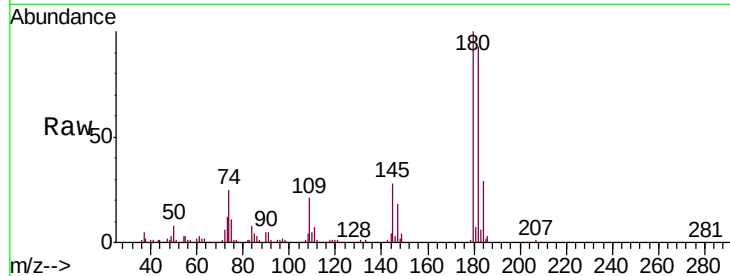




#93
 1,2,4-Trichlorobenzene
 Concen: 20.857 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013132.D
 Acq: 19 Sep 2019 01:05

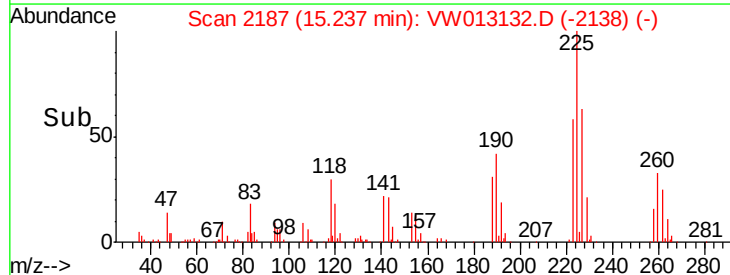
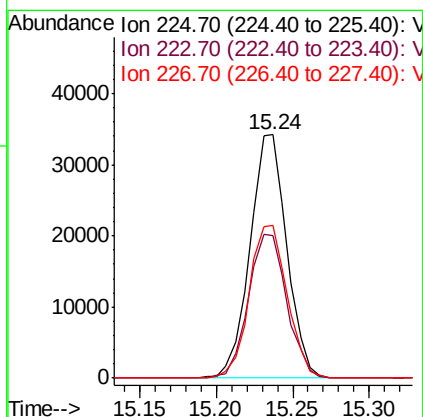
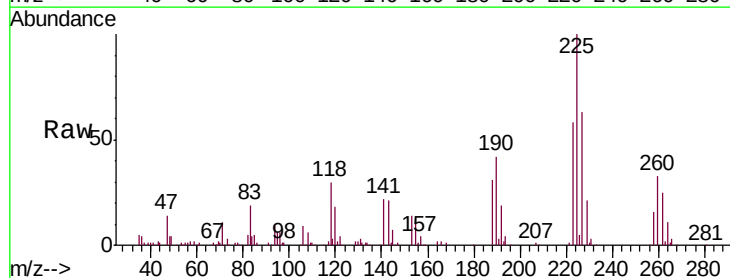
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBS02

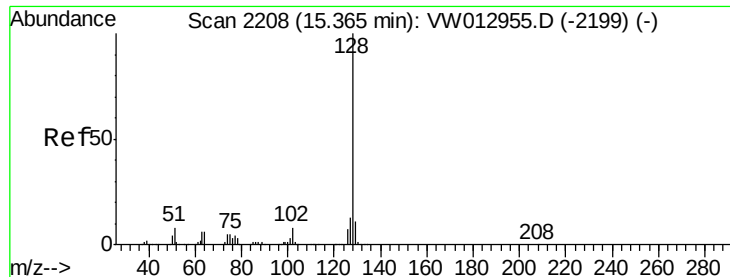
Tgt Ion:180 Resp: 85065
 Ion Ratio Lower Upper
 180 100
 182 93.6 47.4 142.2
 145 28.6 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 19.816 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013132.D
 Acq: 19 Sep 2019 01:05

Tgt Ion:225 Resp: 57215
 Ion Ratio Lower Upper
 225 100
 223 61.7 31.8 95.3
 227 64.7 31.3 93.8

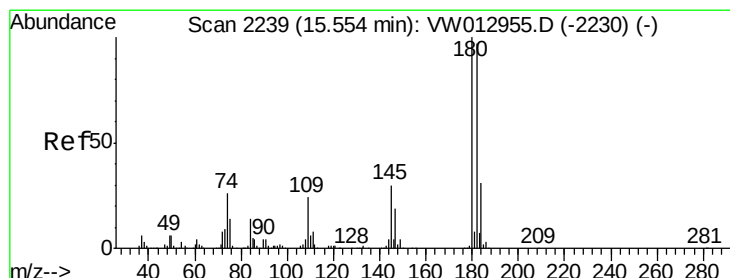
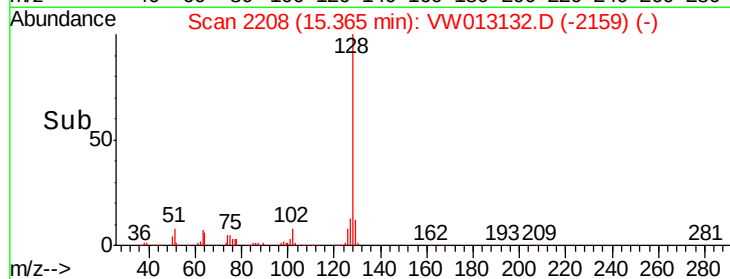
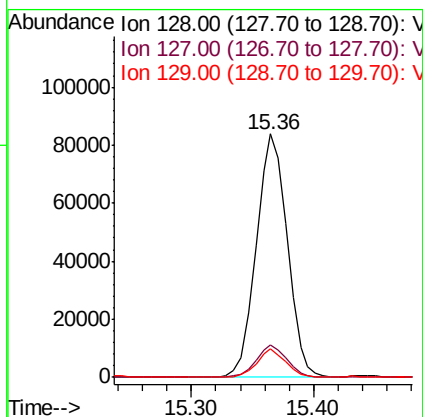
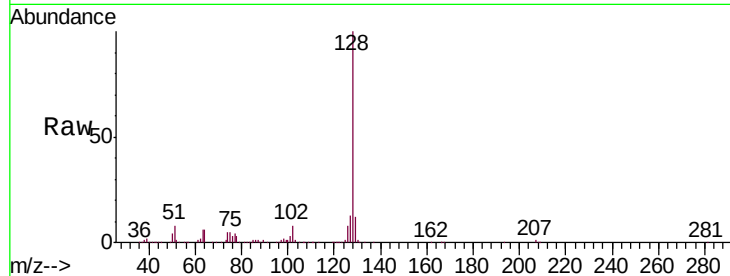




#95
Naphthalene
Concen: 21.743 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013132.D
Acq: 19 Sep 2019 01:05

Instrument :
MSVOA_W
ClientSampleId :
VW0918SBS02

Tgt Ion:128 Resp: 148171
Ion Ratio Lower Upper
128 100
127 13.1 11.0 16.6
129 10.8 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 20.795 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013132.D
Acq: 19 Sep 2019 01:05

Tgt Ion:180 Resp: 74972
Ion Ratio Lower Upper
180 100
182 93.6 47.6 142.8
145 31.3 15.4 46.2

