

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080619\
 Data File : VW011710.D
 Acq On : 05 Aug 2019 15:39
 Operator : SY/VA
 Sample : VW0806SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0806SBS01

Quant Time: Aug 06 08:44:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	231809	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	372751	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	328005	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	164577	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	140993	52.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.94%	
35) Dibromofluoromethane	7.88	113	113859	54.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.90%	
50) Toluene-d8	10.32	98	473153	55.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.52%	
62) 4-Bromofluorobenzene	12.62	95	166095	54.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.82%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	36762	28.456	ug/l	100
3) Chloromethane	2.21	50	54297	24.238	ug/l	98
4) Vinyl Chloride	2.36	62	62834	23.298	ug/l	99
5) Bromomethane	2.71	94	27233	18.242	ug/l	99
6) Chloroethane	2.85	64	31117	20.198	ug/l	89
7) Trichlorofluoromethane	3.22	101	27691	22.974	ug/l	100
8) Diethyl Ether	3.67	74	26931	19.706	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.04	101	51313	22.442	ug/l	100
10) Methyl Iodide	4.25	142	65848	20.379	ug/l	99
11) Tert butyl alcohol	5.18	59	17236	75.279	ug/l	95
12) 1,1-Dichloroethene	4.03	96	52184	21.616	ug/l	95
13) Acrolein	3.89	56	16260	85.134	ug/l	99
14) Allyl chloride	4.65	41	107243	20.886	ug/l	99
15) Acrylonitrile	5.35	53	67736	99.290	ug/l	98
16) Acetone	4.11	43	69279	81.821	ug/l	97
17) Carbon Disulfide	4.37	76	153623	20.331	ug/l	98
18) Methyl Acetate	4.67	43	37781	19.862	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	80131	20.916	ug/l	94
20) Methylene Chloride	4.90	84	58030	19.872	ug/l	96
21) trans-1,2-Dichloroethene	5.41	96	55523	21.332	ug/l	98
22) Diisopropyl ether	6.31	45	204156	21.089	ug/l	99
23) Vinyl Acetate	6.24	43	596226	98.014	ug/l	100
24) 1,1-Dichloroethane	6.20	63	109971	21.210	ug/l	99
25) 2-Butanone	7.17	43	98851	89.219	ug/l	97
26) 2,2-Dichloropropane	7.16	77	60674	19.029	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	58625	20.466	ug/l	99
28) Bromochloromethane	7.51	49	48292	20.984	ug/l #	100
29) Tetrahydrofuran	7.52	42	60411	95.388	ug/l	99
30) Chloroform	7.67	83	101079	21.132	ug/l	96
31) Cyclohexane	7.95	56	108370	21.774	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	78014	21.416	ug/l	98
36) 1,1-Dichloropropene	8.07	75	85793	22.135	ug/l	100
37) Ethyl Acetate	7.25	43	42306	18.972	ug/l	98
38) Carbon Tetrachloride	8.06	117	73052	22.016	ug/l	98

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Quant Time: Aug 06 08:44:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	94211	22.075	ug/l	98
40) Benzene	8.32	78	230229	21.206	ug/l	99
41) Methacrylonitrile	7.48	41	26707	20.035	ug/l	99
42) 1,2-Dichloroethane	8.40	62	71177	20.940	ug/l	99
43) Isopropyl Acetate	8.42	43	80499	19.629	ug/l	99
44) Trichloroethene	9.09	130	55005	21.080	ug/l	99
45) 1,2-Dichloropropane	9.37	63	61254	21.086	ug/l	100
46) Dibromomethane	9.46	93	26643	20.095	ug/l	99
47) Bromodichloromethane	9.64	83	70607	20.302	ug/l	98
48) Methyl methacrylate	9.43	41	38153	19.367	ug/l	96
49) 1,4-Dioxane	9.44	88	7863	409.586	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	210474	98.669	ug/l	100
52) Toluene	10.38	92	140431	21.419	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	71748	19.749	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	87958	20.362	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	38252	20.334	ug/l	97
56) Ethyl methacrylate	10.65	69	55647	20.215	ug/l	99
57) 1,3-Dichloropropane	10.93	76	73584	20.675	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	136869	109.507	ug/l	100
59) 2-Hexanone	10.97	43	146770	97.448	ug/l	99
60) Dibromochloromethane	11.13	129	41551	19.899	ug/l	98
61) 1,2-Dibromoethane	11.23	107	35929	20.182	ug/l	99
64) Tetrachloroethene	10.86	164	45682	21.390	ug/l	99
65) Chlorobenzene	11.66	112	138806	21.049	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	47911	20.858	ug/l	99
67) Ethyl Benzene	11.73	91	270865	21.567	ug/l	99
68) m/p-Xylenes	11.84	106	196596	43.043	ug/l	99
69) o-Xylene	12.16	106	90915	21.420	ug/l	100
70) Styrene	12.18	104	156470	21.322	ug/l	99
71) Bromoform	12.35	173	22733	19.411	ug/l #	96
73) Isopropylbenzene	12.46	105	254386	20.719	ug/l	99
74) N-amyl acetate	12.27	43	76018	19.776	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	45445	19.678	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	31436m	18.052	ug/l	
77) Bromobenzene	12.74	156	54602	20.120	ug/l	97
78) n-propylbenzene	12.80	91	318332	21.304	ug/l	100
79) 2-Chlorotoluene	12.89	91	178915	20.784	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	218569	21.237	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	14021	18.556	ug/l	93
82) 4-Chlorotoluene	12.99	91	189784	21.013	ug/l	100
83) tert-Butylbenzene	13.21	119	181736	21.116	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	221253	21.341	ug/l	99
85) sec-Butylbenzene	13.38	105	265148	21.591	ug/l	100
86) p-Isopropyltoluene	13.50	119	238882	21.439	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	112098	21.067	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	109867	20.756	ug/l	99
89) n-Butylbenzene	13.82	91	244774	22.013	ug/l	99
90) Hexachloroethane	14.09	117	40525	20.568	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	98868	21.008	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7763	19.712	ug/l	97

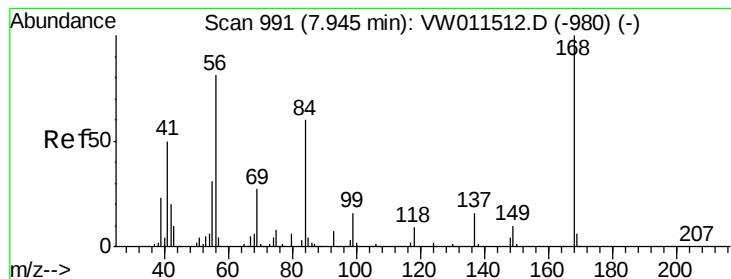
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080619\
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Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	68837	20.754	ug/l	98
94) Hexachlorobutadiene	15.24	225	46349	22.408	ug/l	98
95) Naphthalene	15.36	128	115984	19.180	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	62058	21.345	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011710.D

Acq: 05 Aug 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

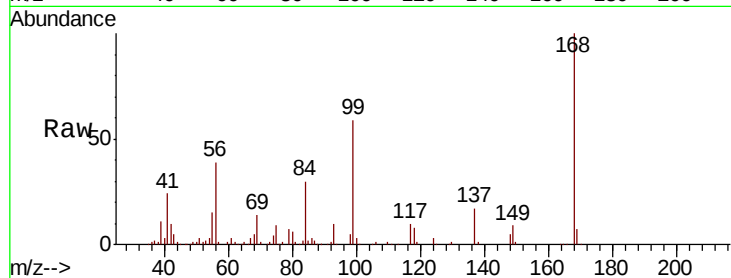
VW0806SBS01

Tot Ion:168 Resp: 231809

Ion Ratio Lower Upper

168 100

99 58.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

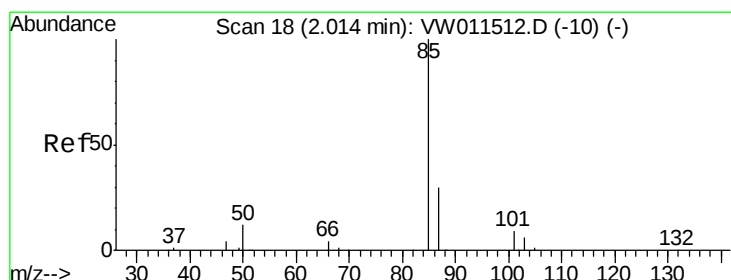
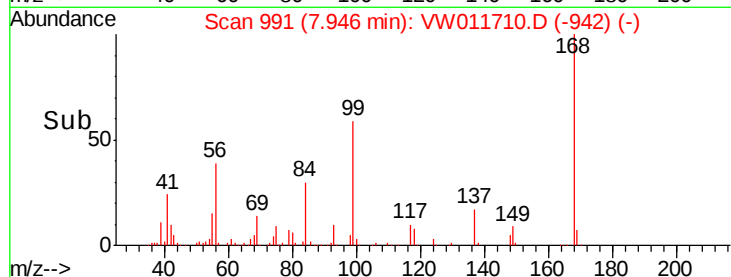
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 28.456 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011710.D

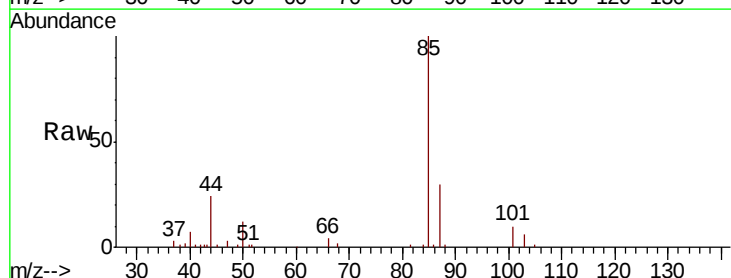
Acq: 05 Aug 2019 15:39

Tgt Ion: 85 Resp: 36762

Ion Ratio Lower Upper

85 100

87 30.4 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

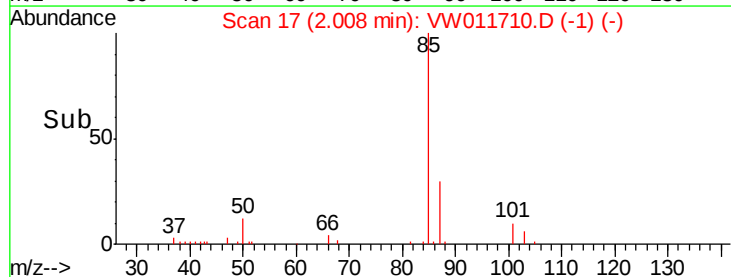
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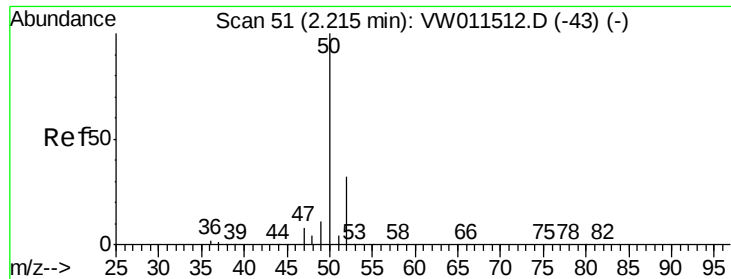
10000

5000

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Time-->





#3

Chloromethane

Concen: 24.238 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW011710.D

Acq: 05 Aug 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

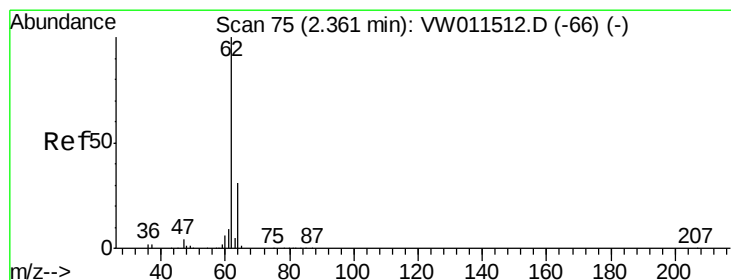
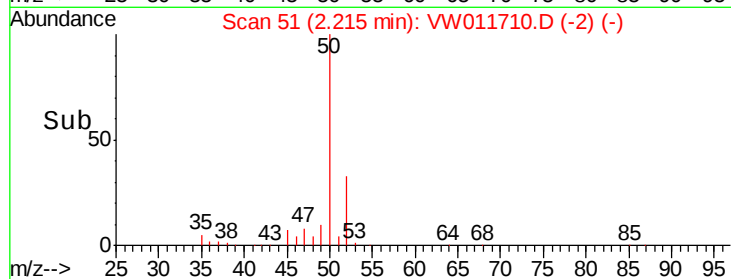
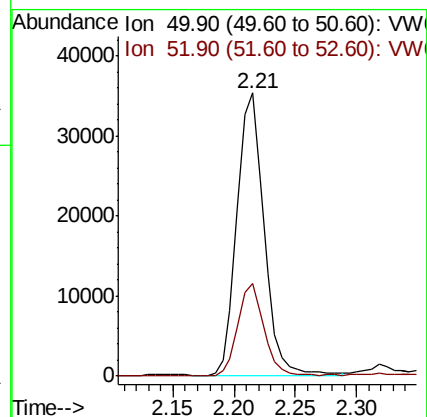
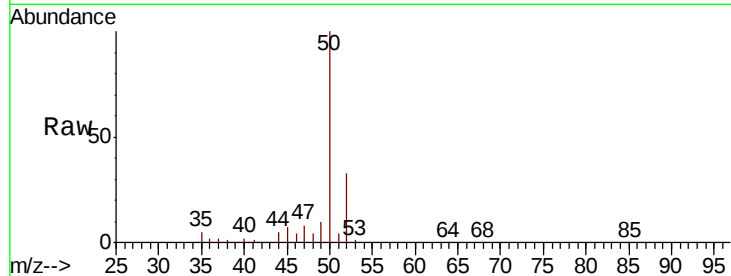
VW0806SBS01

Tot Ion: 50 Resp: 54297

Ion Ratio Lower Upper

50 100

52 32.8 25.4 38.2



#4

Vinyl Chloride

Concen: 23.298 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011710.D

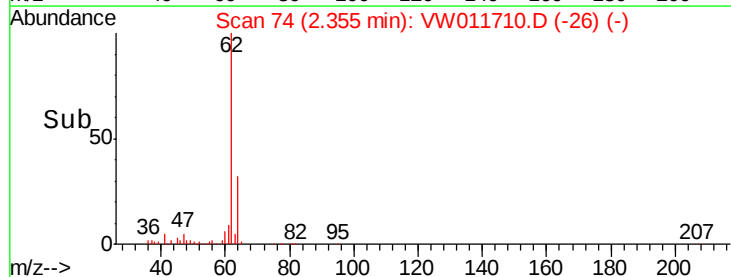
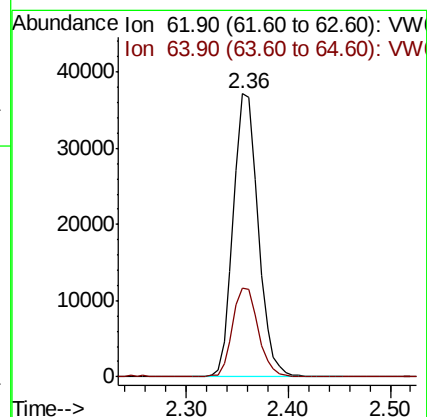
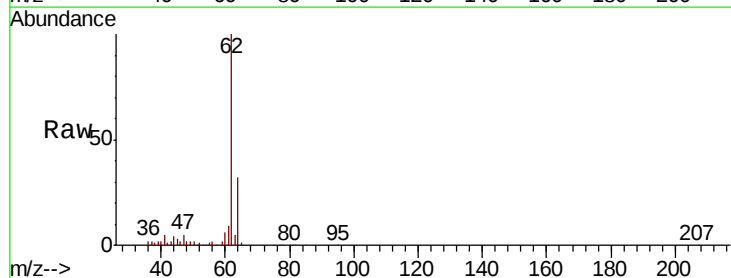
Acq: 05 Aug 2019 15:39

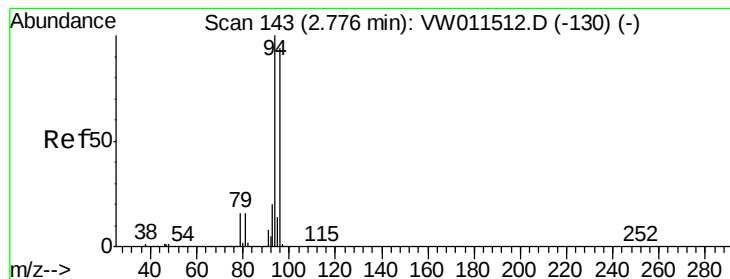
Tgt Ion: 62 Resp: 62834

Ion Ratio Lower Upper

62 100

64 31.6 25.0 37.4





#5

Bromomethane

Concen: 18.242 ug/l

RT: 2.71 min Scan# 133

Delta R.T. -0.06 min

Lab File: VW011710.D

Acq: 05 Aug 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

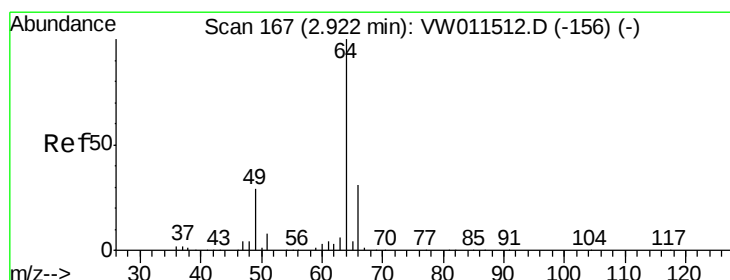
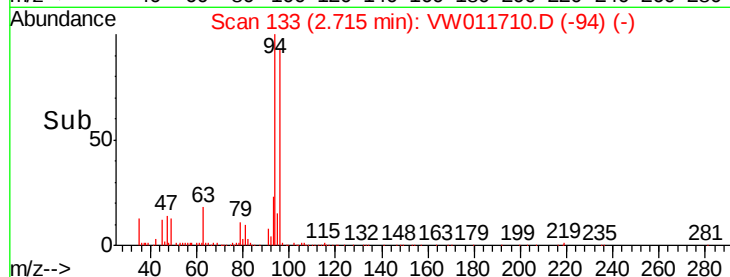
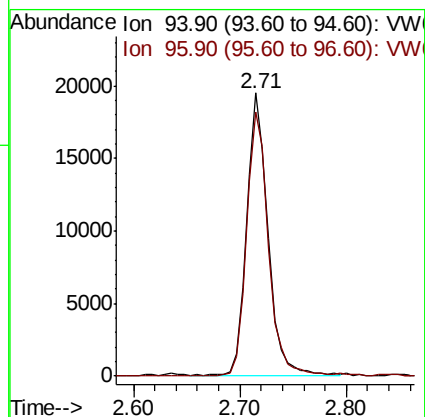
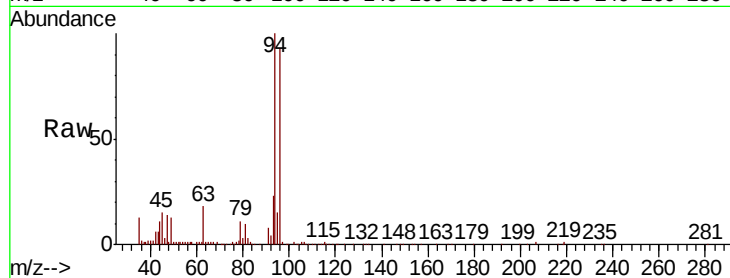
VW0806SBS01

Tot Ion: 94 Resp: 27233

Ion Ratio Lower Upper

94 100

96 93.3 75.0 112.6



#6

Chloroethane

Concen: 20.198 ug/l

RT: 2.85 min Scan# 155

Delta R.T. -0.07 min

Lab File: VW011710.D

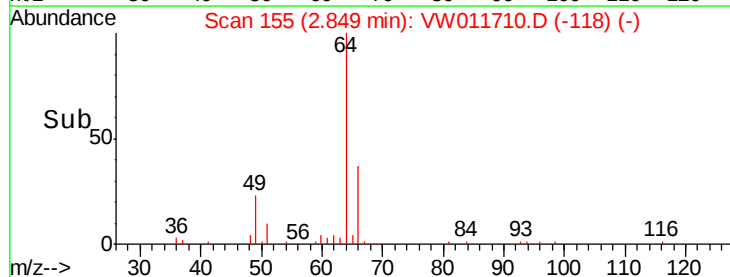
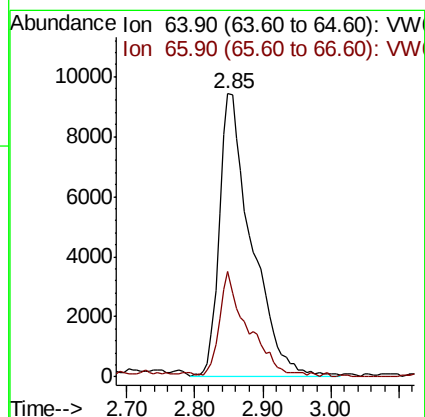
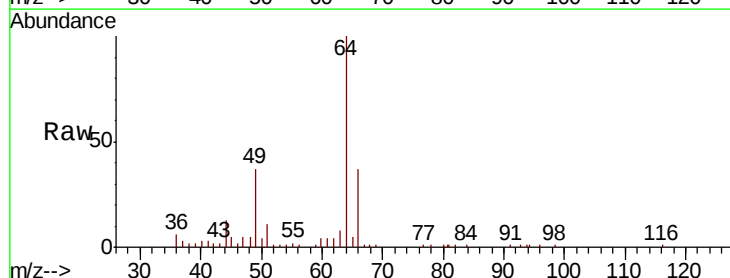
Acq: 05 Aug 2019 15:39

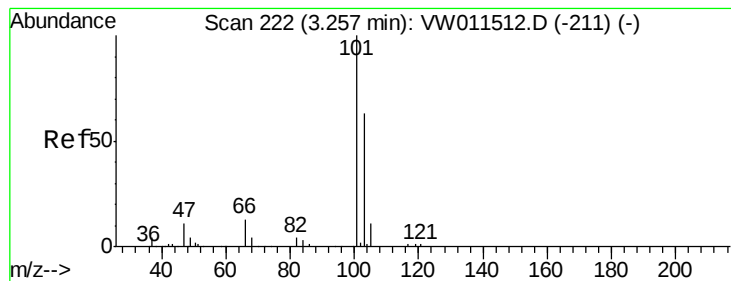
Tgt Ion: 64 Resp: 31117

Ion Ratio Lower Upper

64 100

66 36.8 24.6 36.8



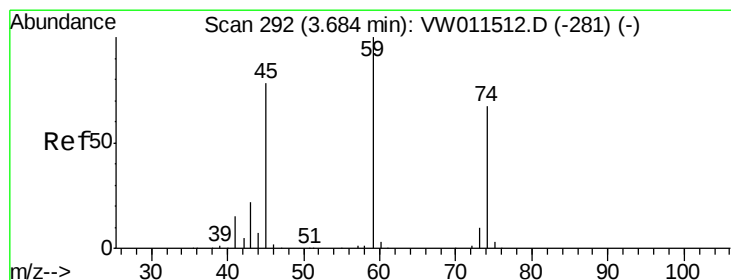
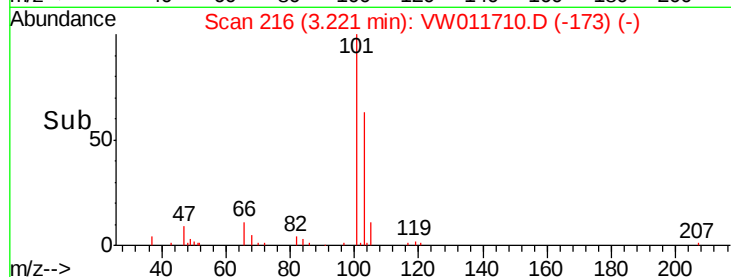
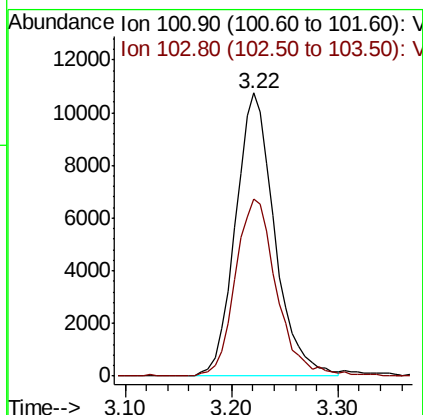
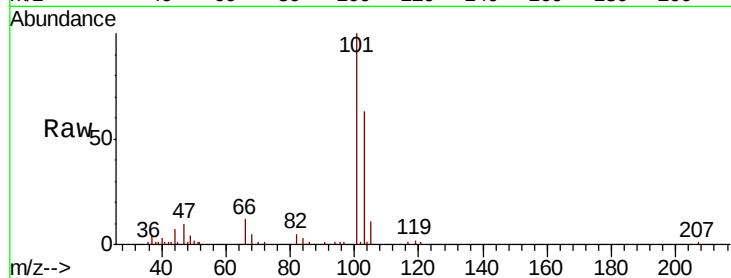


#7

Trichlorofluoromethane
 Concen: 22.974 ug/l
 RT: 3.22 min Scan# 216
 Delta R.T. -0.04 min
 Lab File: VW011710.D
 Acq: 05 Aug 2019 15:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0806SBS01

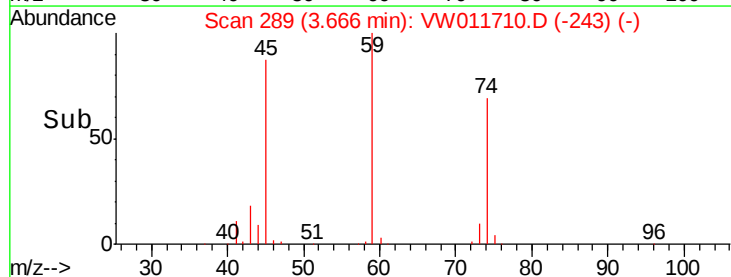
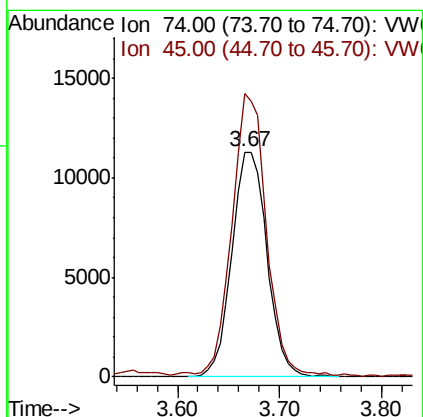
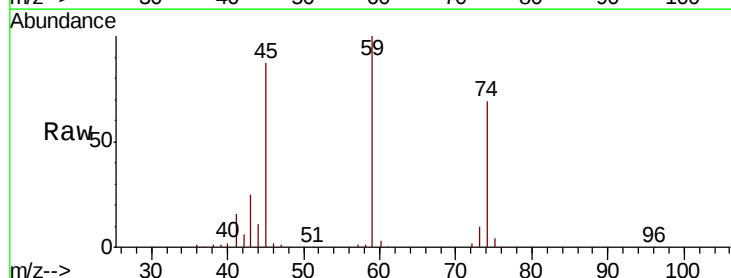
Tot Ion:101 Resp: 27691
 Ion Ratio Lower Upper
 101 100
 103 62.5 50.2 75.4

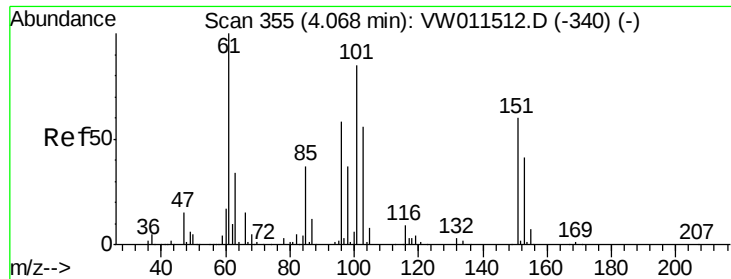


#8

Diethyl Ether
 Concen: 19.706 ug/l
 RT: 3.67 min Scan# 289
 Delta R.T. -0.02 min
 Lab File: VW011710.D
 Acq: 05 Aug 2019 15:39

Tgt Ion: 74 Resp: 26931
 Ion Ratio Lower Upper
 74 100
 45 122.9 59.6 178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.442 ug/l

RT: 4.04 min Scan# 351

Delta R.T. -0.02 min

Lab File: VW011710.D

Acq: 05 Aug 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

VW0806SBS01

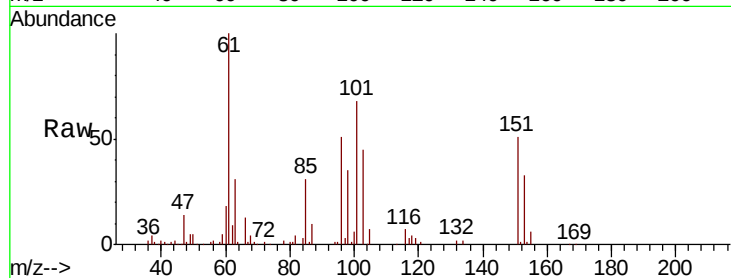
Tot Ion:101 Resp: 51313

Ion Ratio Lower Upper

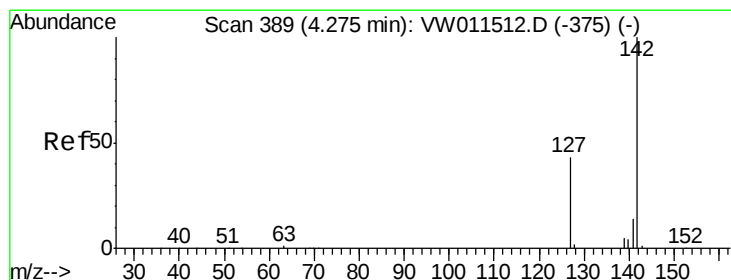
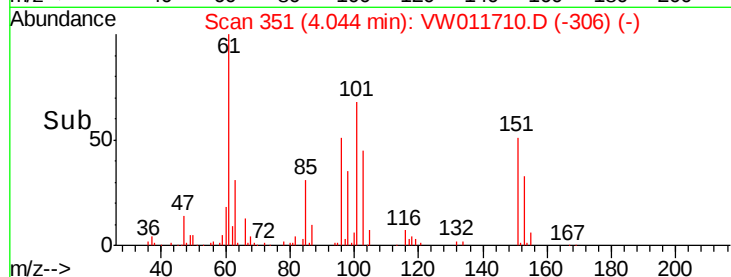
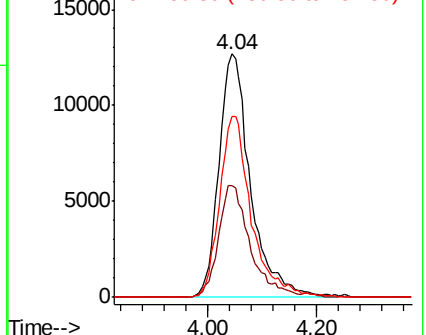
101 100

85 46.0 36.6 54.8

151 74.8 60.2 90.2



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: 20.379 ug/l

RT: 4.25 min Scan# 385

Delta R.T. -0.02 min

Lab File: VW011710.D

Acq: 05 Aug 2019 15:39

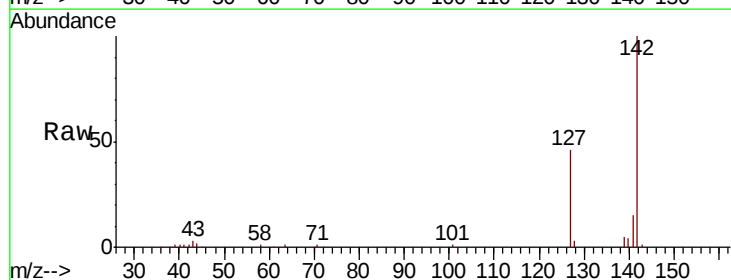
Tgt Ion:142 Resp: 65848

Ion Ratio Lower Upper

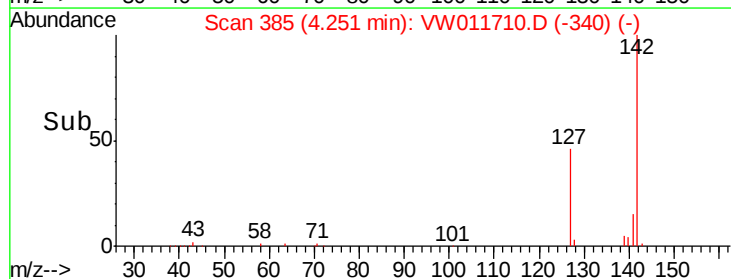
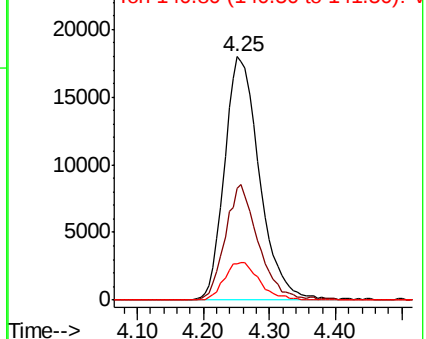
142 100

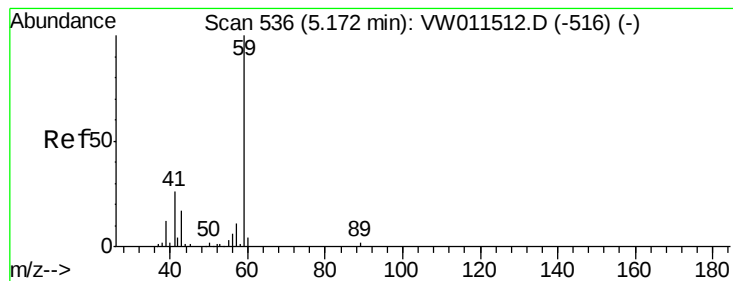
127 44.6 35.0 52.6

141 15.5 11.9 17.9



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



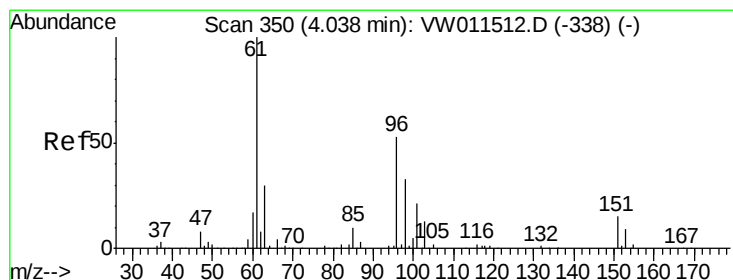
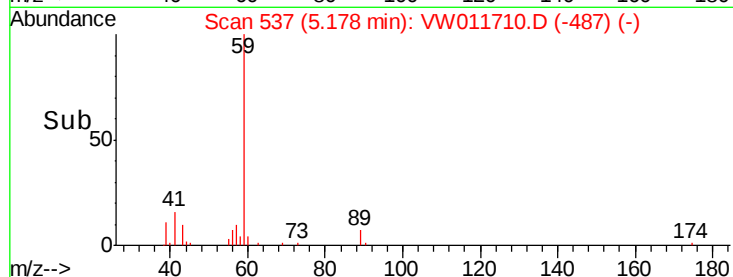
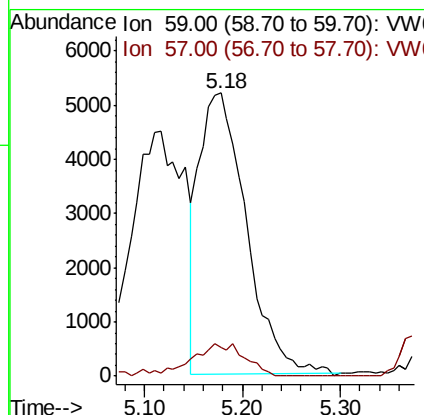
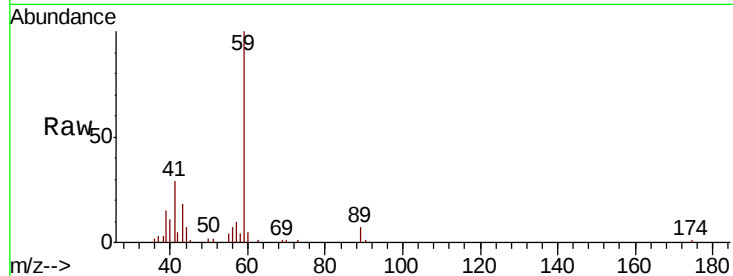


#11

Tert butyl alcohol
 Concen: 75.279 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW011710.D
 Acq: 05 Aug 2019 15:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0806SBS01

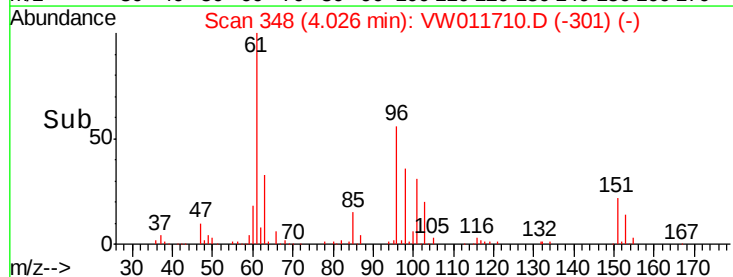
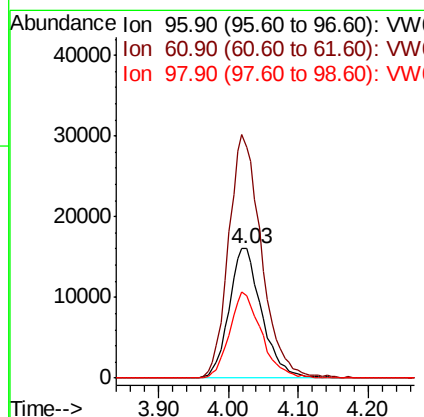
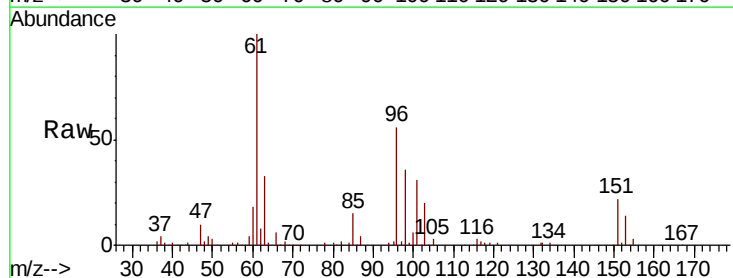
Tot Ion: 59 Resp: 17236
 Ion Ratio Lower Upper
 59 100
 57 12.5 8.5 12.7

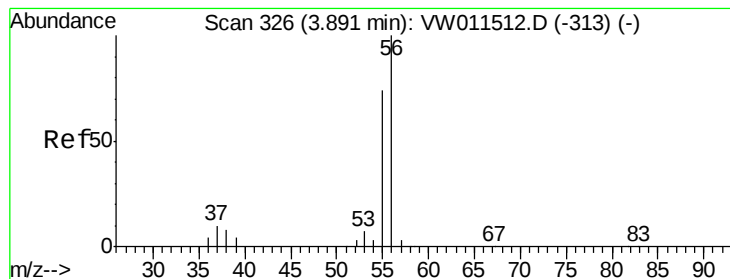


#12

1,1-Dichloroethene
 Concen: 21.616 ug/l
 RT: 4.03 min Scan# 348
 Delta R.T. -0.01 min
 Lab File: VW011710.D
 Acq: 05 Aug 2019 15:39

Tgt Ion: 96 Resp: 52184
 Ion Ratio Lower Upper
 96 100
 61 178.8 149.9 224.9
 98 63.8 49.1 73.7





#13

Acrolein

Concen: 85.134 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW011710.D

Acq: 05 Aug 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

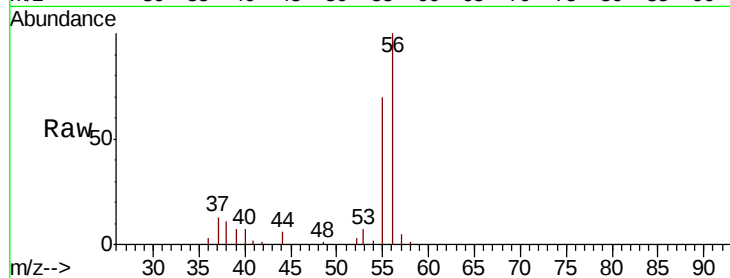
VW0806SBS01

Tot Ion: 56 Resp: 16260

Ion Ratio Lower Upper

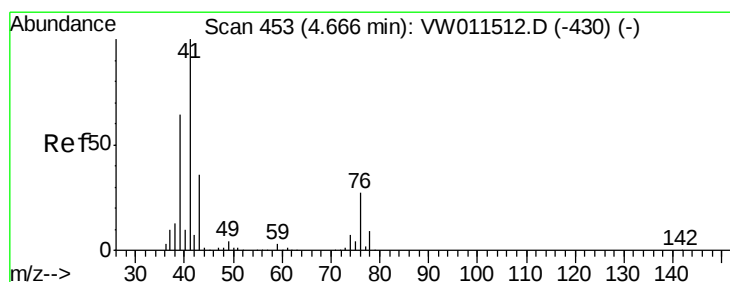
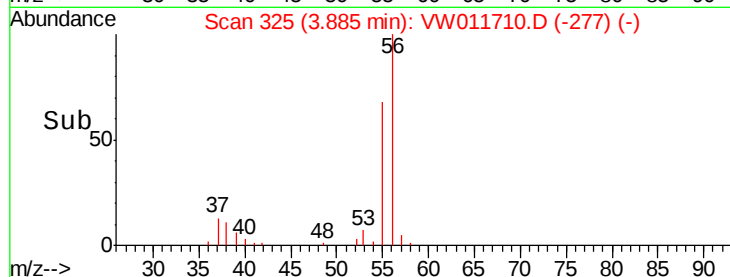
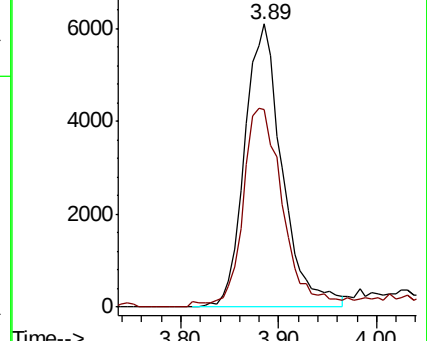
56 100

55 69.6 56.0 84.0



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 20.886 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW011710.D

Acq: 05 Aug 2019 15:39

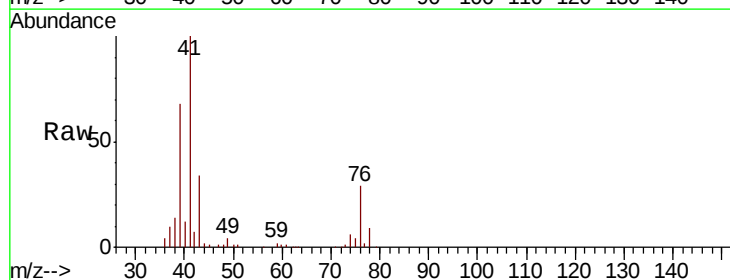
Tgt Ion: 41 Resp: 107243

Ion Ratio Lower Upper

41 100

39 66.9 52.6 78.8

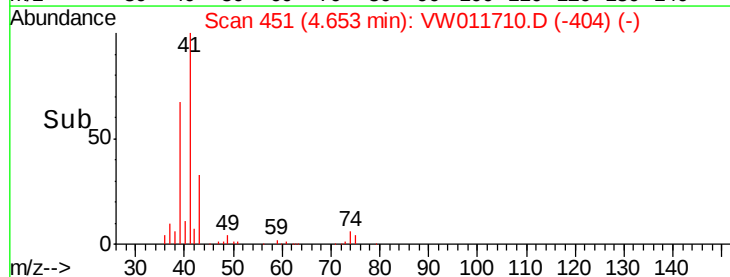
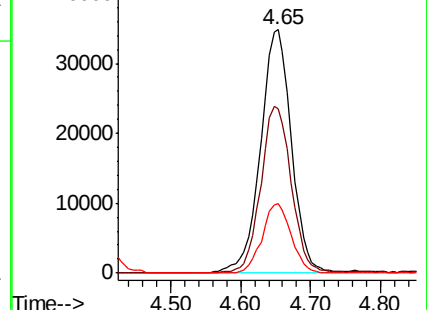
76 26.8 22.0 33.0

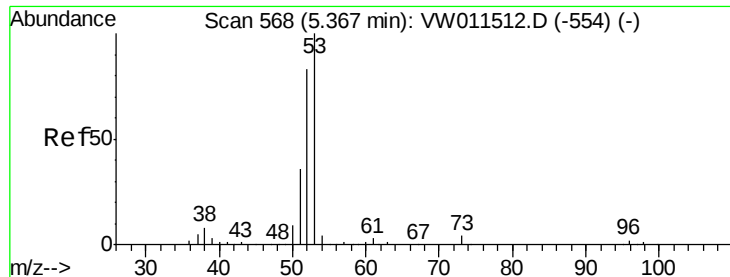


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 99.290 ug/l

RT: 5.35 min Scan# 566

Delta R.T. -0.01 min

Lab File: VW011710.D

Acq: 05 Aug 2019 15:39

Instrument :

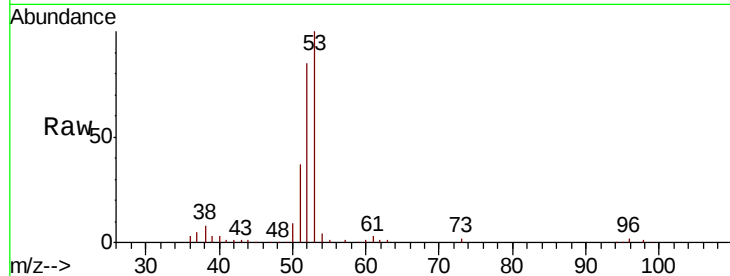
MSVOA_W

ClientSampled :

VW0806SBS01

Tot Ion: 53 Resp: 67736

Ion	Ratio	Lower	Upper
53	100		
52	81.6	67.2	100.8
51	36.9	30.0	45.0

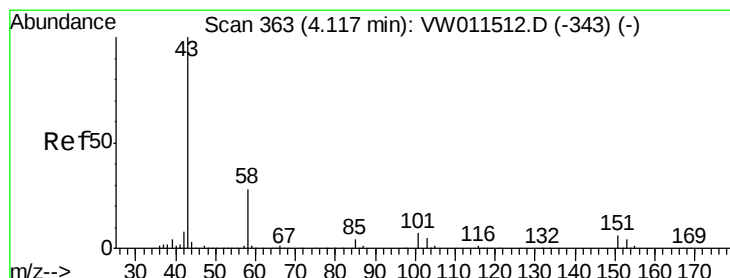
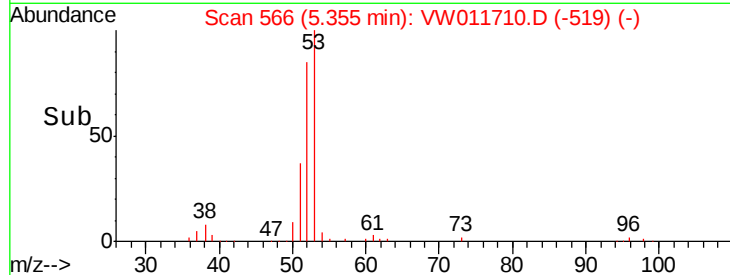
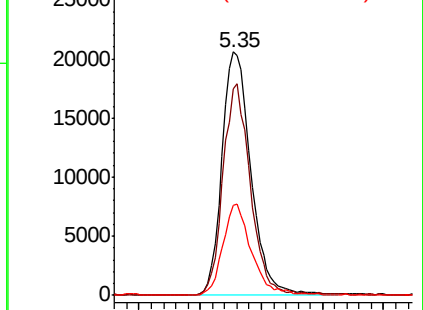


Abundance

Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 81.821 ug/l

RT: 4.11 min Scan# 362

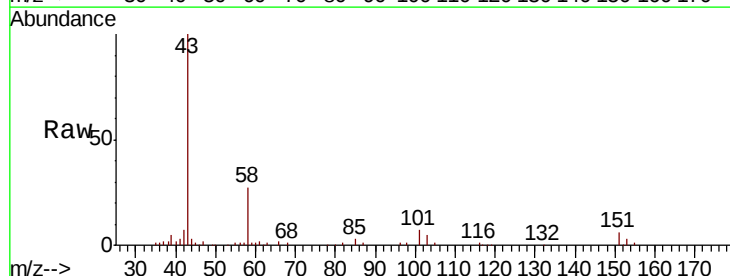
Delta R.T. -0.01 min

Lab File: VW011710.D

Acq: 05 Aug 2019 15:39

Tgt Ion: 43 Resp: 69279

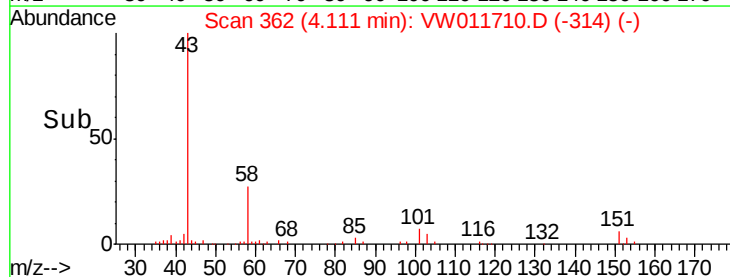
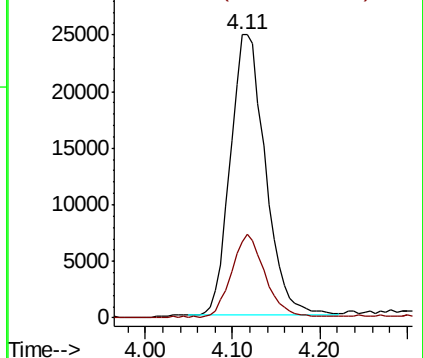
Ion	Ratio	Lower	Upper
43	100		
58	26.5	22.3	33.5

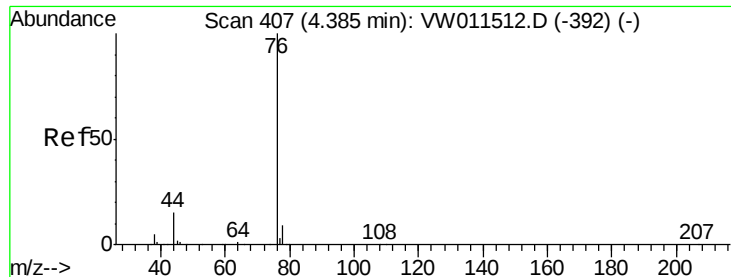


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

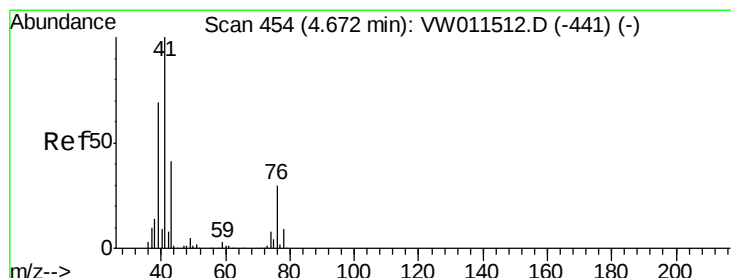
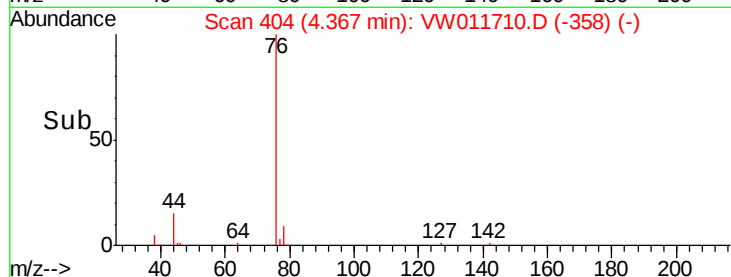
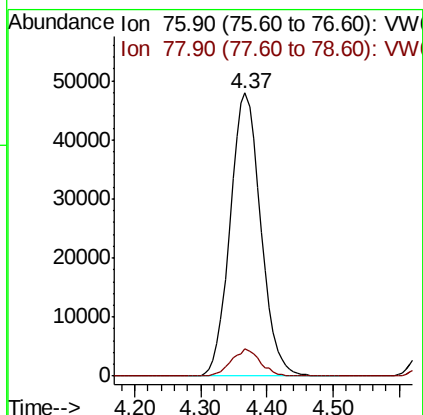
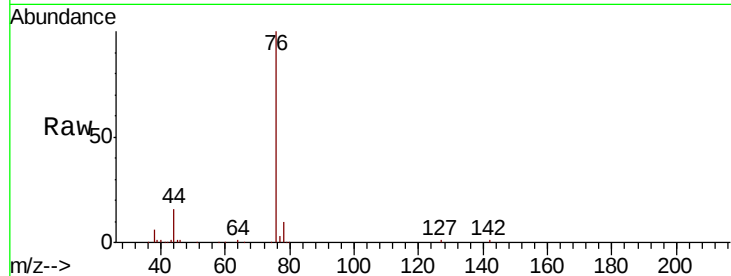




#17
Carbon Disulfide
Concen: 20.331 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.02 min
Lab File: VW011710.D
Acq: 05 Aug 2019 15:39

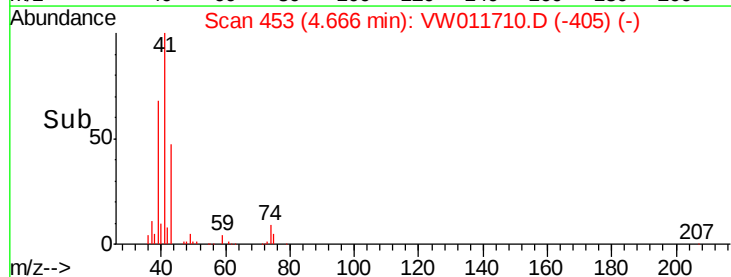
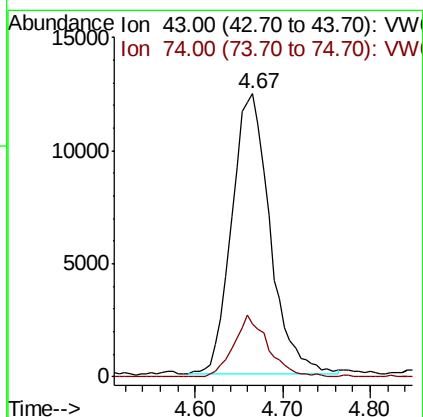
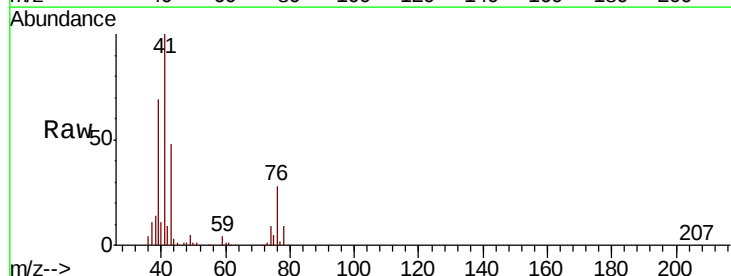
Instrument :
MSVOA_W
ClientSampleId :
VW0806SBS01

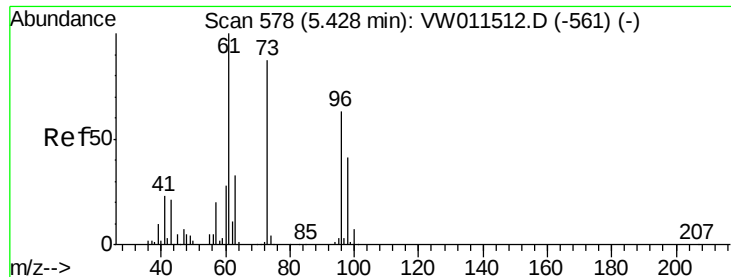
Tot Ion: 76 Resp: 153623
Ion Ratio Lower Upper
76 100
78 9.6 7.1 10.7



#18
Methyl Acetate
Concen: 19.862 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW011710.D
Acq: 05 Aug 2019 15:39

Tgt Ion: 43 Resp: 37781
Ion Ratio Lower Upper
43 100
74 19.7 15.9 23.9



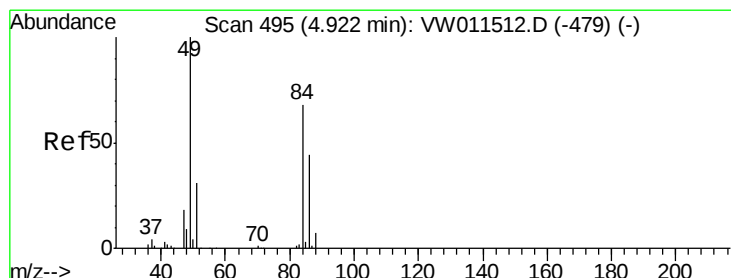
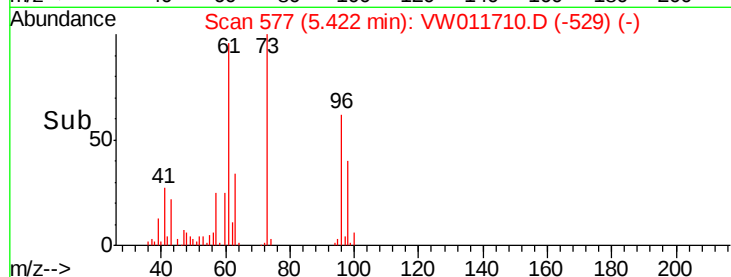
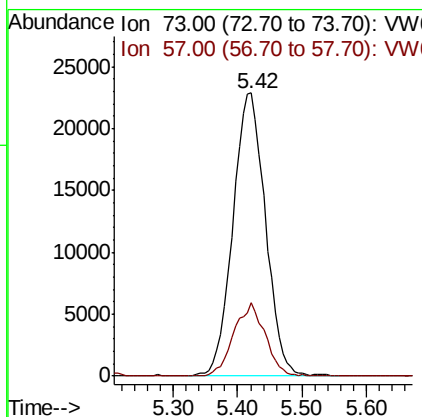
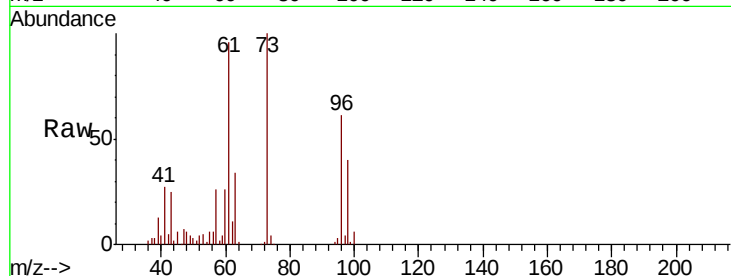


#19

Methyl tert-butyl Ether
 Concen: 20.916 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW011710.D
 Acq: 05 Aug 2019 15:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0806SBS01

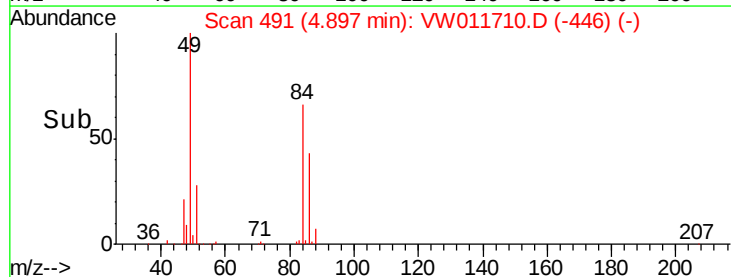
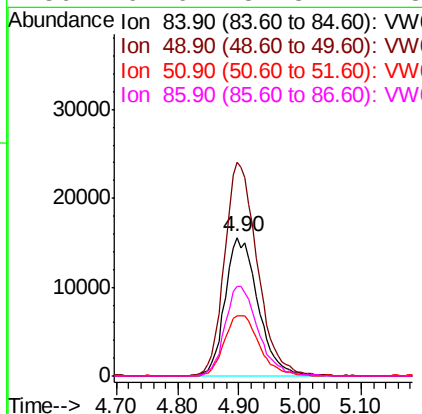
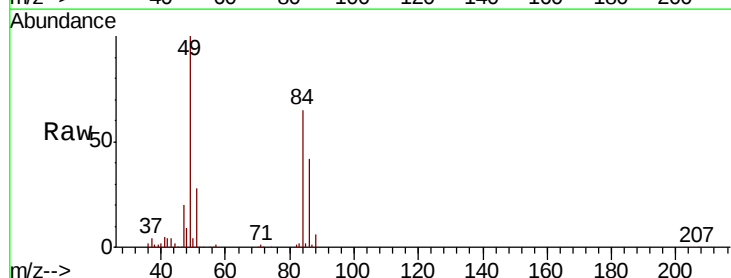
Tot Ion: 73 Resp: 80131
 Ion Ratio Lower Upper
 73 100
 57 25.7 18.4 27.6

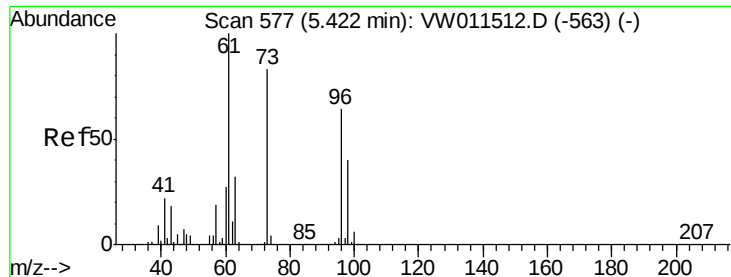


#20

Methylene Chloride
 Concen: 19.872 ug/l
 RT: 4.90 min Scan# 491
 Delta R.T. -0.02 min
 Lab File: VW011710.D
 Acq: 05 Aug 2019 15:39

Tgt Ion: 84 Resp: 58030
 Ion Ratio Lower Upper
 84 100
 49 154.2 117.8 176.6
 51 43.3 37.0 55.4
 86 64.6 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 21.332 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW011710.D

Acq: 05 Aug 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

VW0806SBS01

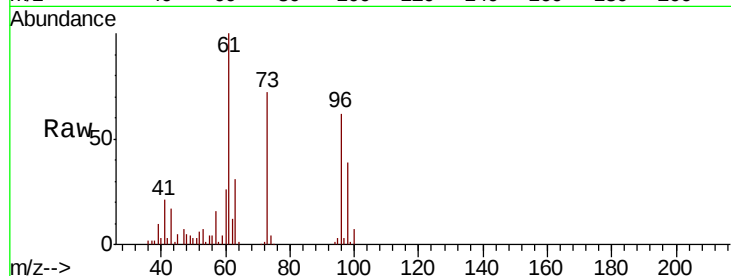
Tot Ion: 96 Resp: 55523

Ion Ratio Lower Upper

96 100

61 160.2 125.7 188.5

98 62.5 50.3 75.5

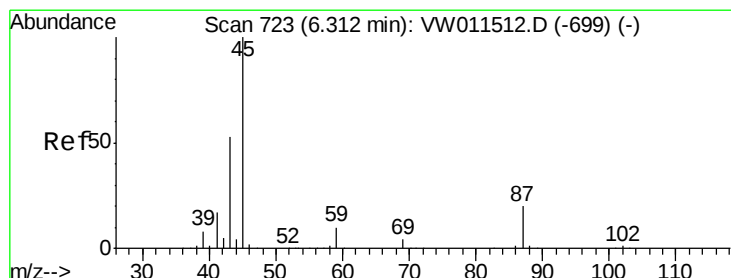
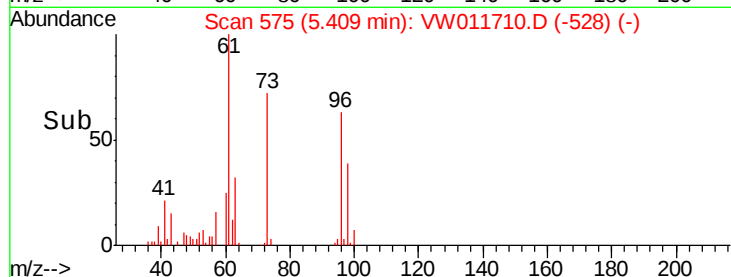
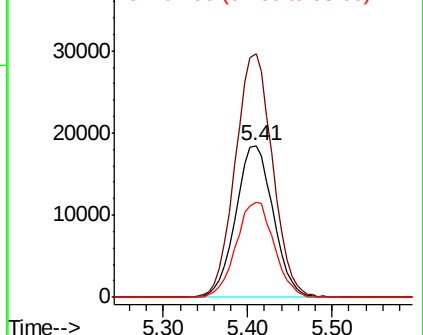


Abundance

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: 21.089 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW011710.D

Acq: 05 Aug 2019 15:39

Tgt Ion: 45 Resp: 204156

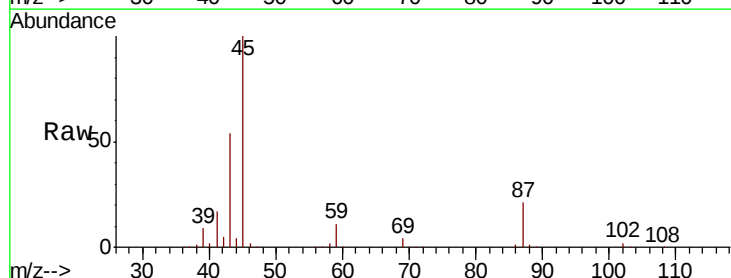
Ion Ratio Lower Upper

45 100

43 53.6 42.6 63.8

87 21.0 16.4 24.6

59 10.5 8.2 12.2



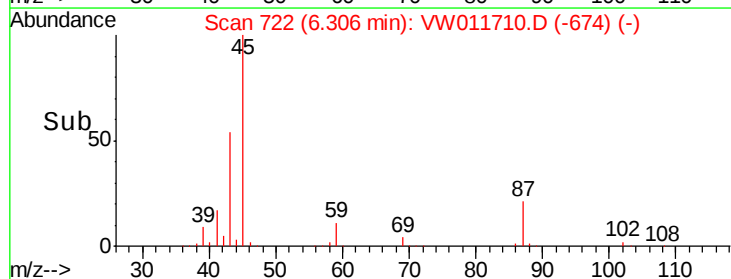
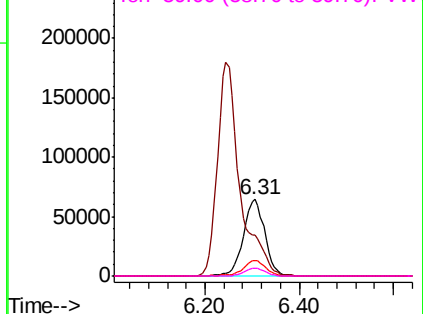
Abundance

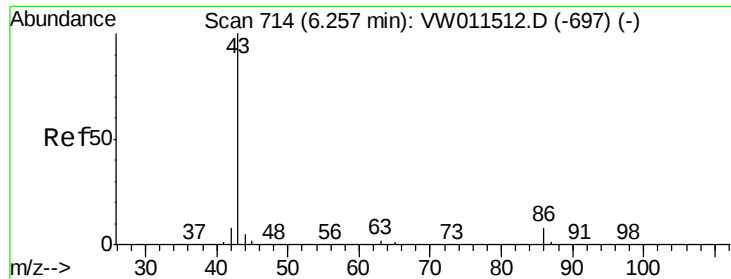
Ion 45.00 (44.70 to 45.70): VW

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: 98.014 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW011710.D

Acq: 05 Aug 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

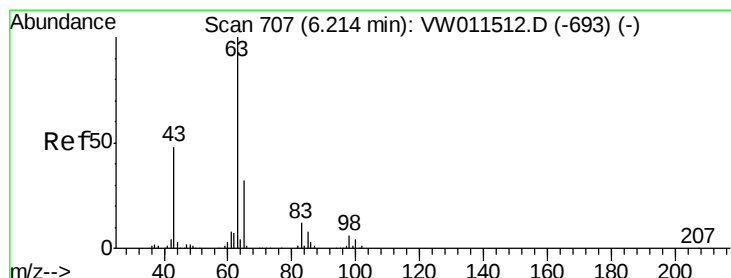
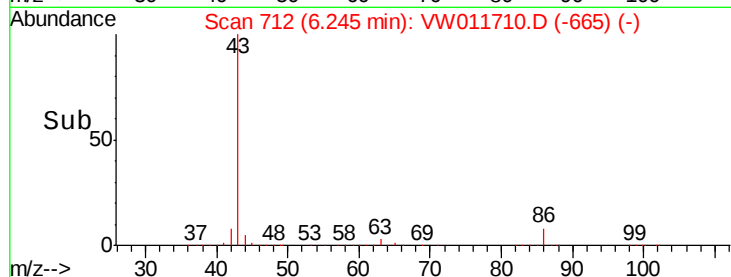
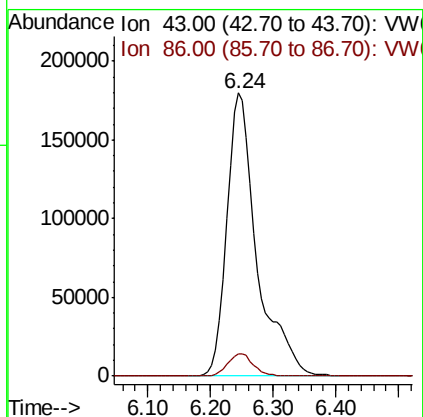
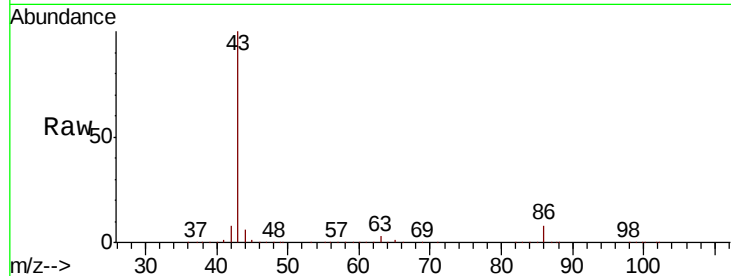
VW0806SBS01

Tot Ion: 43 Resp: 596226

Ion Ratio Lower Upper

43 100

86 8.0 6.5 9.7



#24

1,1-Dichloroethane

Concen: 21.210 ug/l

RT: 6.20 min Scan# 705

Delta R.T. -0.01 min

Lab File: VW011710.D

Acq: 05 Aug 2019 15:39

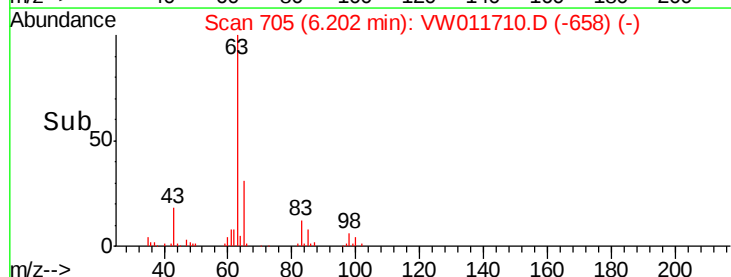
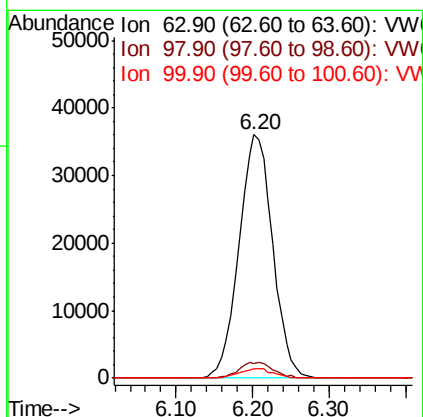
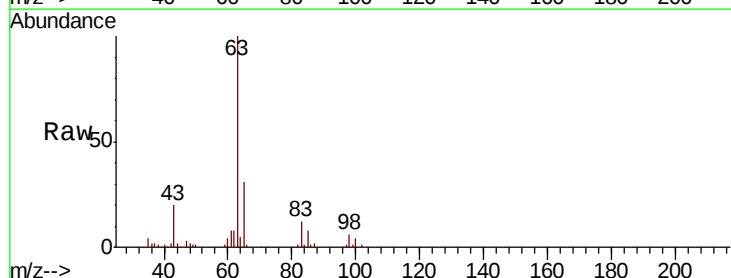
Tgt Ion: 63 Resp: 109971

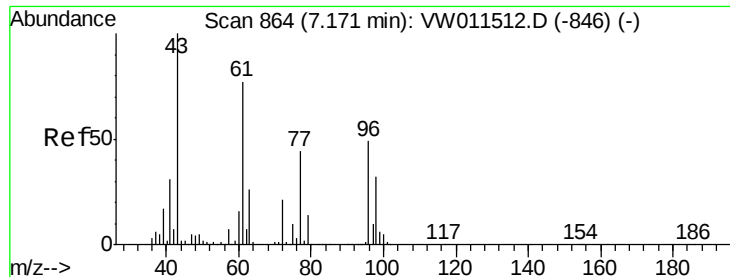
Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.8

100 3.8 2.1 6.3





#25

2-Butanone

Concen: 89.219 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW011710.D

Acq: 05 Aug 2019 15:39

Instrument :

MSVOA_W

ClientSampled :

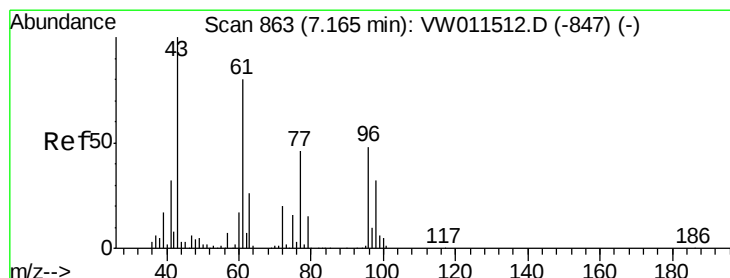
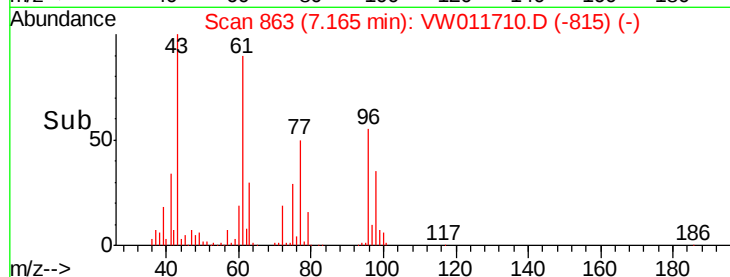
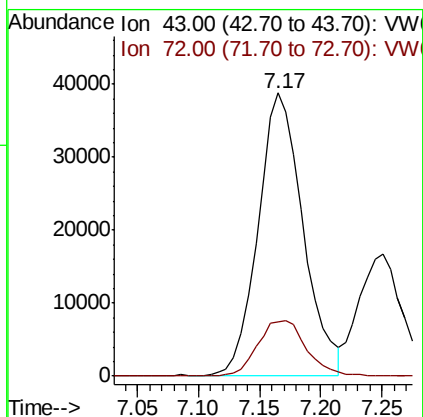
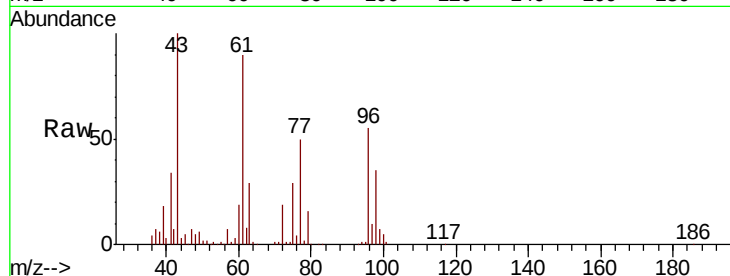
VW0806SBS01

Tot Ion: 43 Resp: 98851

Ion Ratio Lower Upper

43 100

72 19.4 16.6 24.8



#26

2,2-Dichloropropane

Concen: 19.029 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW011710.D

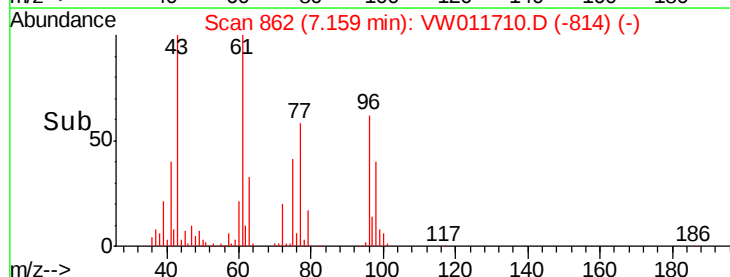
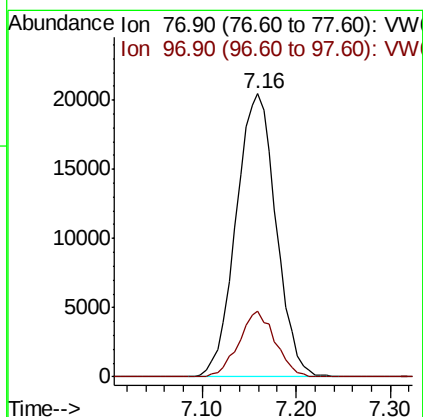
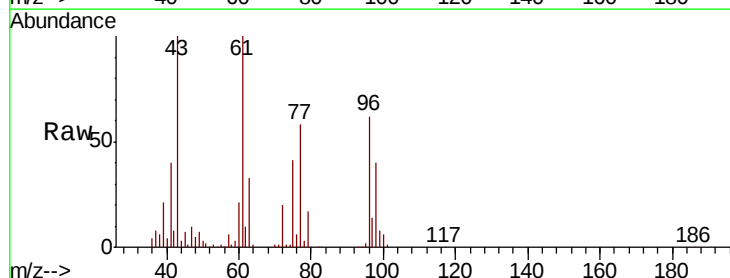
Acq: 05 Aug 2019 15:39

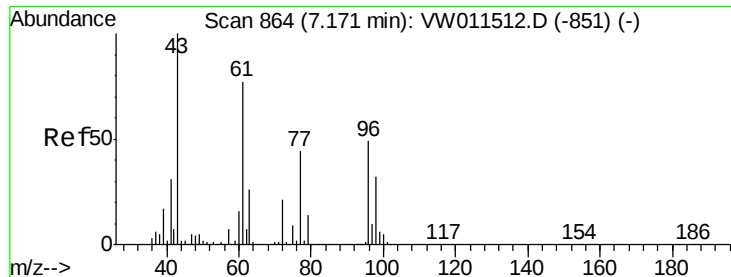
Tgt Ion: 77 Resp: 60674

Ion Ratio Lower Upper

77 100

97 21.1 10.8 32.4



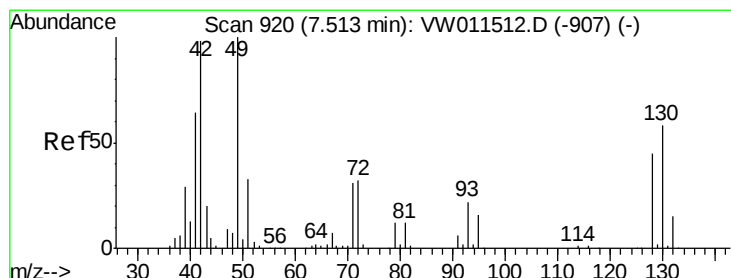
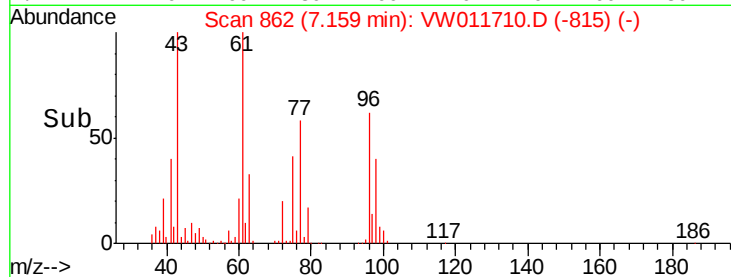
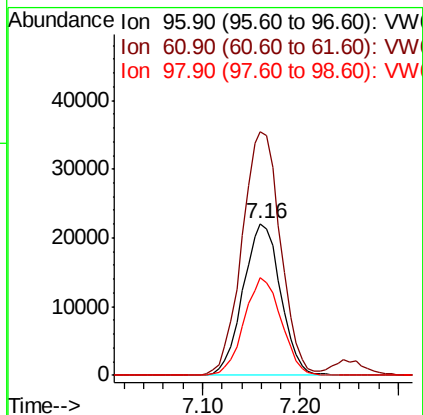
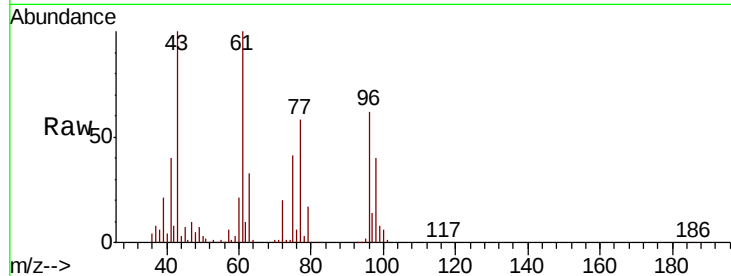


#27

cis-1,2-Dichloroethene
 Concen: 20.466 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW011710.D
 Acq: 05 Aug 2019 15:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0806SBS01

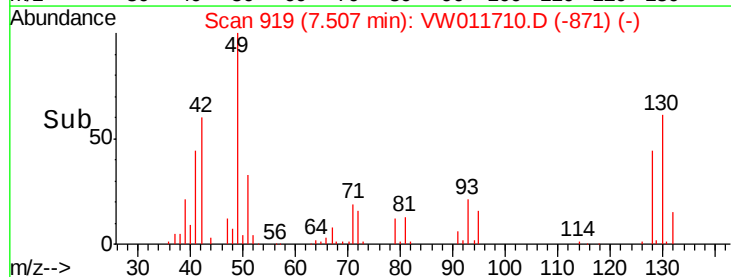
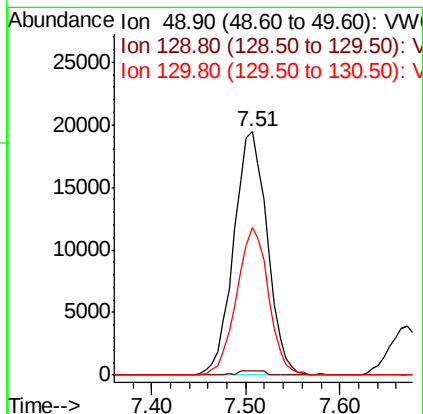
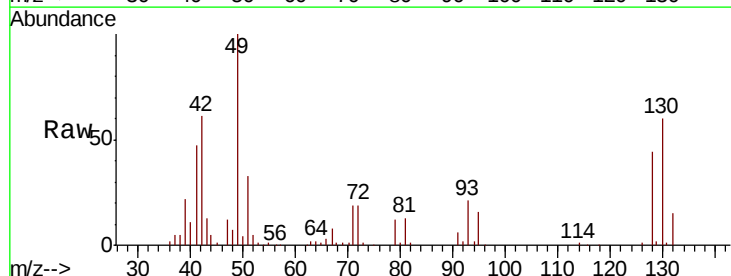
Tot Ion: 96 Resp: 58625
 Ion Ratio Lower Upper
 96 100
 61 165.0 0.0 328.4
 98 63.9 0.0 128.8

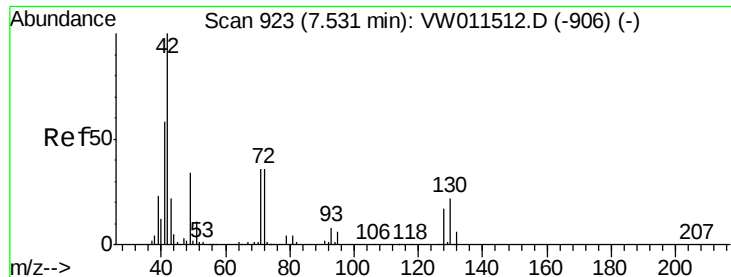


#28

Bromochloromethane
 Concen: 20.984 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW011710.D
 Acq: 05 Aug 2019 15:39

Tgt Ion: 49 Resp: 48292
 Ion Ratio Lower Upper
 49 100
 129 1.4 0.0 1.0#
 130 58.0 46.3 69.5

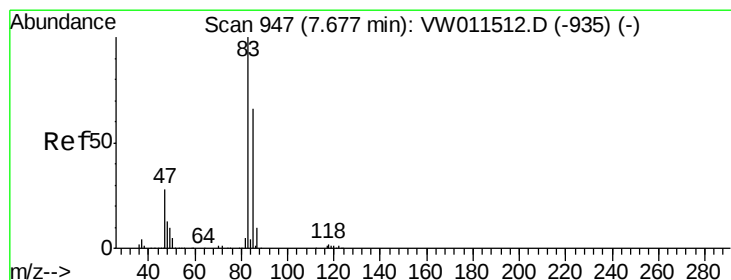
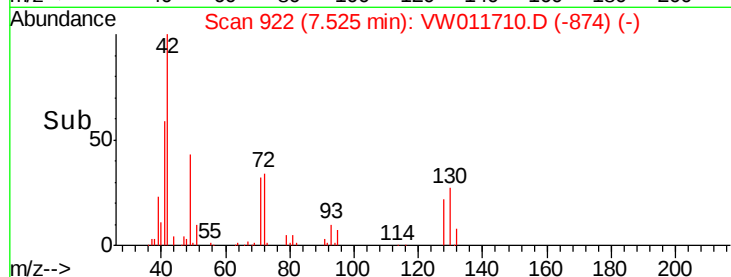
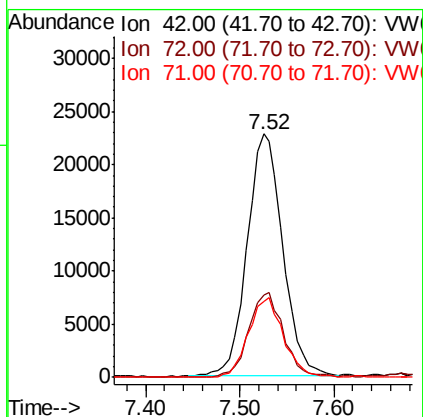
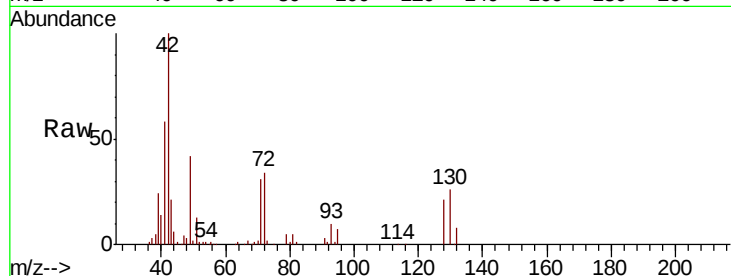




#29
Tetrahydrofuran
Concen: 95.388 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW011710.D
Acq: 05 Aug 2019 15:39

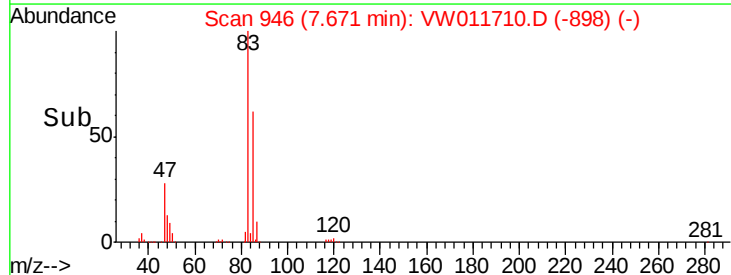
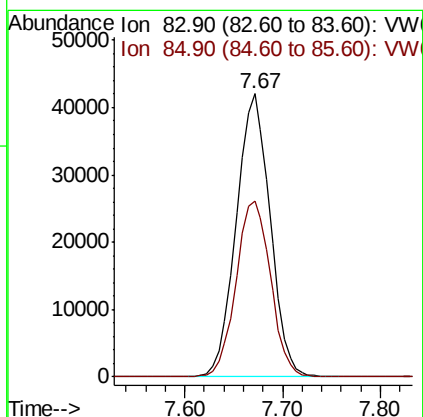
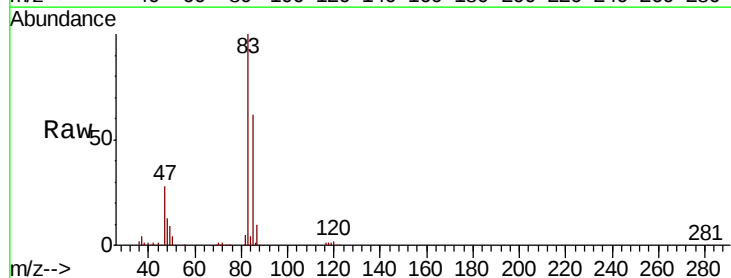
Instrument :
MSVOA_W
ClientSampleId :
VW0806SBS01

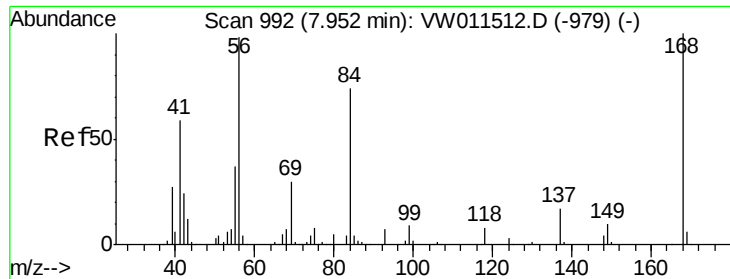
Tot Ion	Ratio	Lower	Upper
42	100		
72	34.2	27.1	40.7
71	32.2	26.2	39.4



#30
Chloroform
Concen: 21.132 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011710.D
Acq: 05 Aug 2019 15:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.3	52.5	78.7

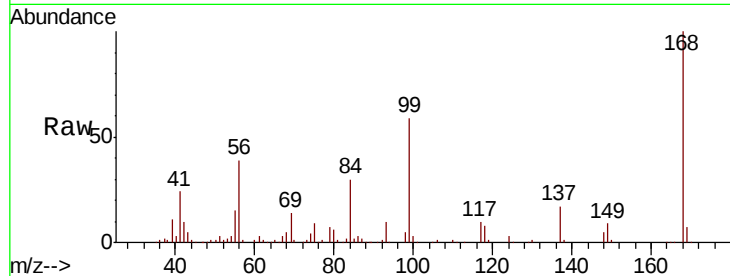




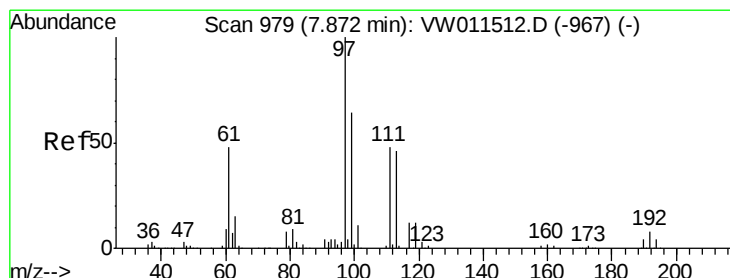
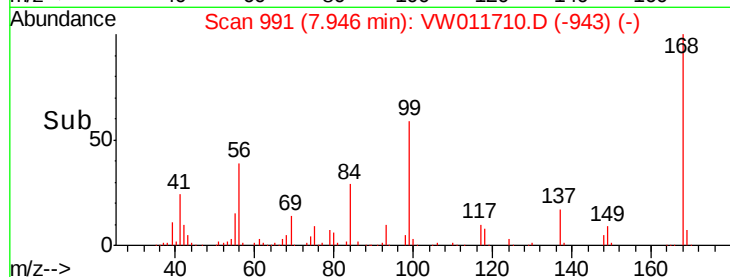
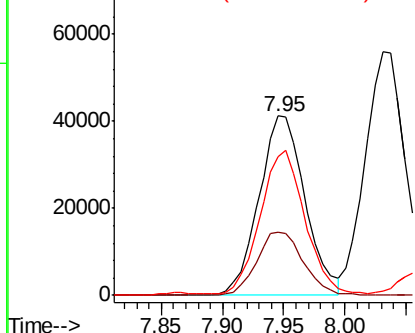
#31
Cyclohexane
Concen: 21.774 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011710.D
Acq: 05 Aug 2019 15:39

Instrument :
MSVOA_W
ClientSampleId :
VW0806SBS01

Tot Ion: 56 Resp: 108370
Ion Ratio Lower Upper
56 100
69 35.1 24.3 36.5
84 76.4 60.4 90.6

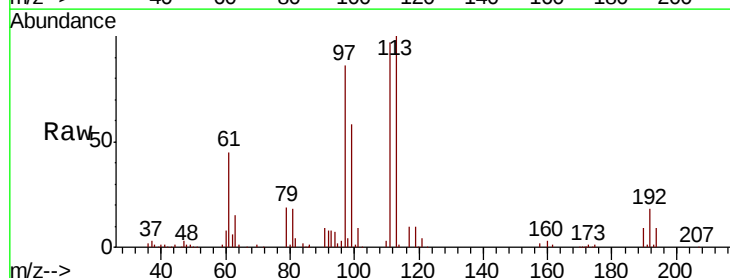


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

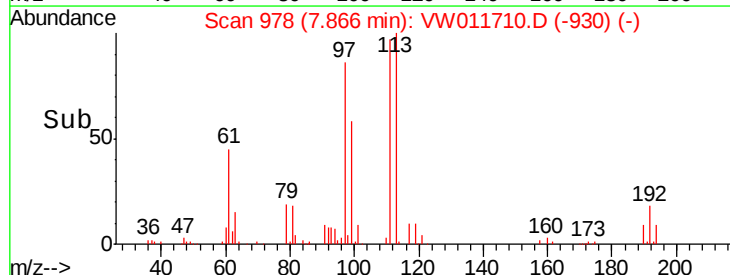
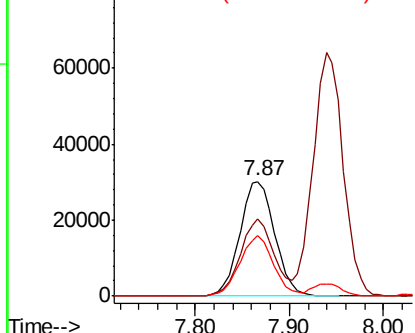


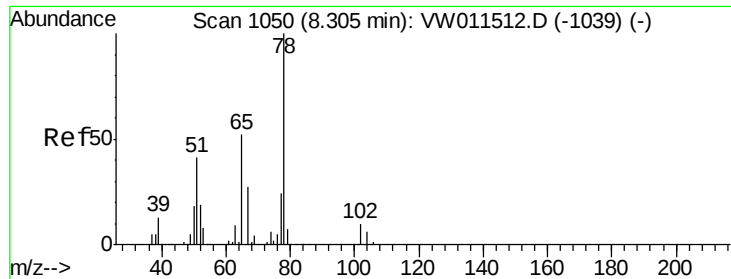
#32
1,1,1-Trichloroethane
Concen: 21.416 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW011710.D
Acq: 05 Aug 2019 15:39

Tgt Ion: 97 Resp: 78014
Ion Ratio Lower Upper
97 100
99 65.4 51.0 76.6
61 51.0 39.8 59.6



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

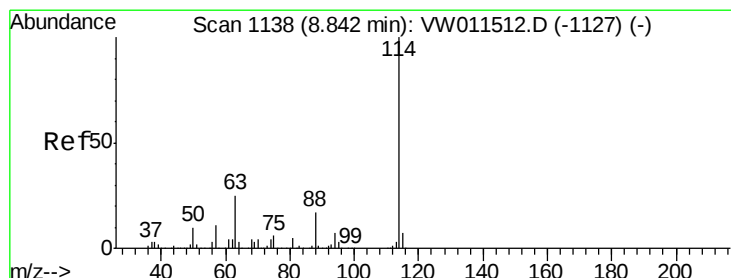
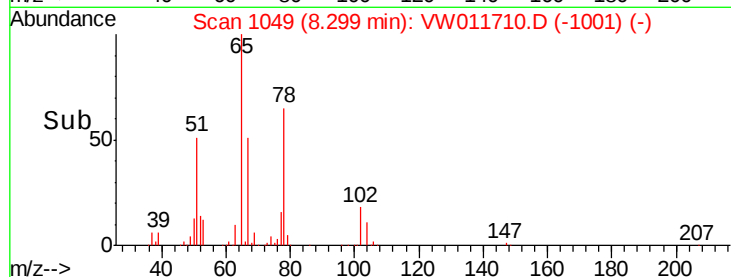
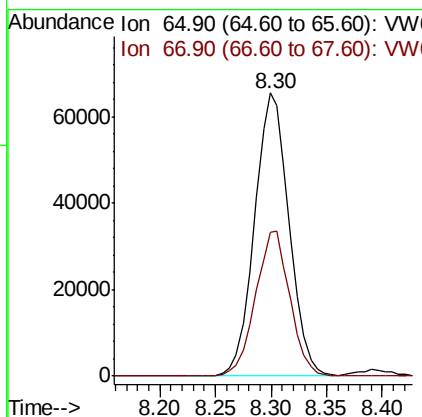
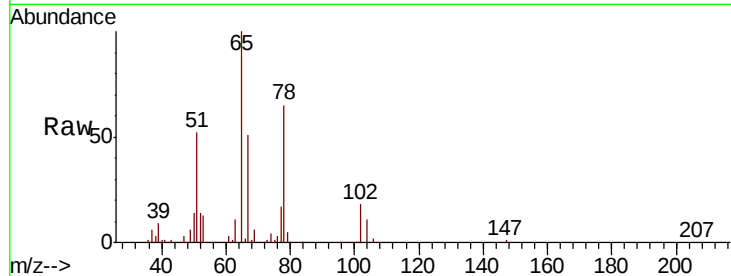




#33
 1,2-Dichloroethane-d4
 Concen: 52.969 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW011710.D
 Acq: 05 Aug 2019 15:39

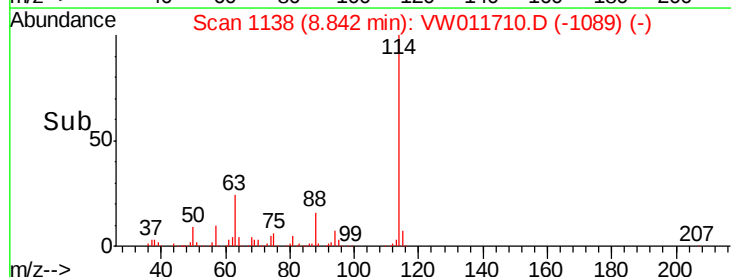
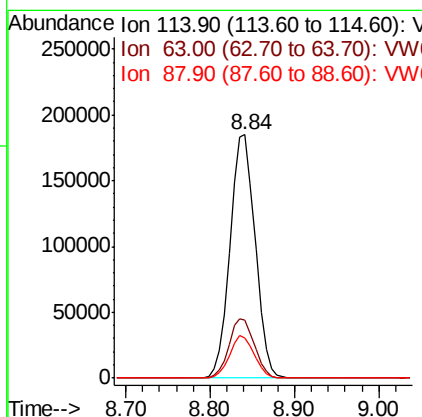
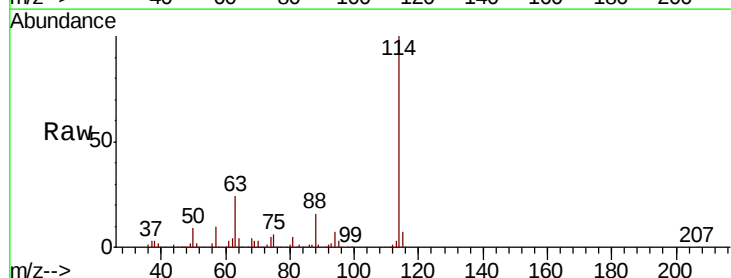
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0806SBS01

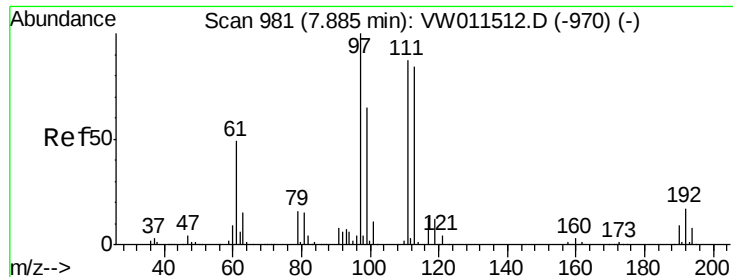
Tot Ion: 65 Resp: 140993
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011710.D
 Acq: 05 Aug 2019 15:39

Tgt Ion: 114 Resp: 372751
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 49.2
 88 16.5 0.0 33.8





#35

Dibromofluoromethane

Concen: 54.447 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011710.D

Acq: 05 Aug 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

VW0806SBS01

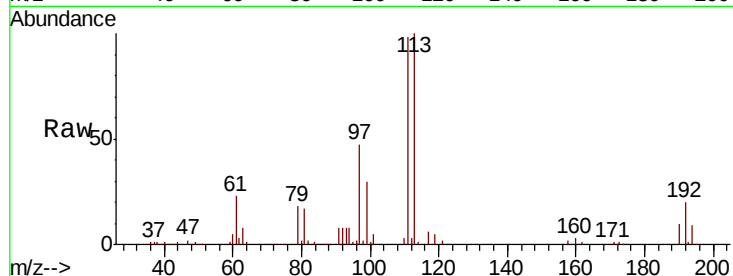
Tot Ion:113 Resp: 113859

Ion Ratio Lower Upper

113 100

111 101.3 82.7 124.1

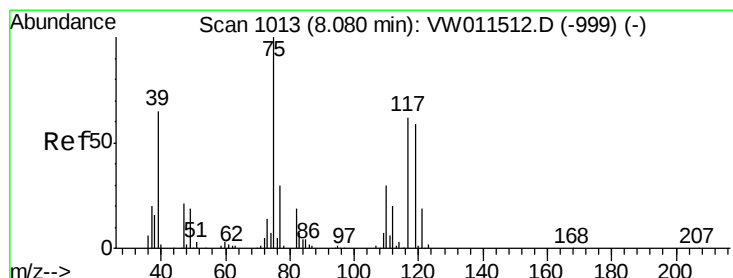
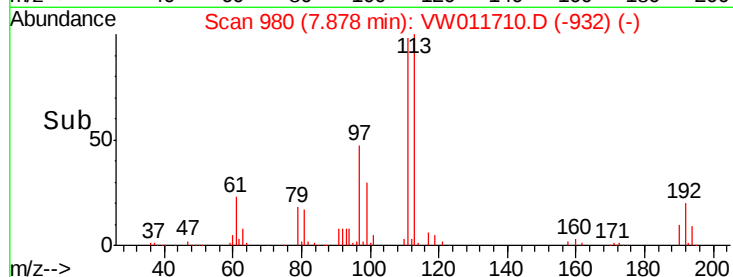
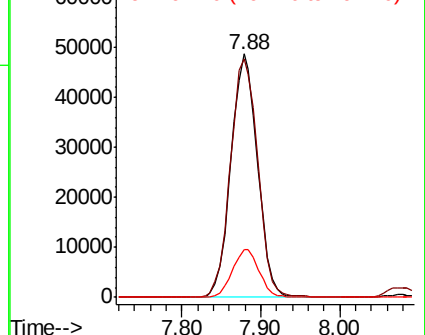
192 20.0 16.1 24.1



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: 22.135 ug/l

RT: 8.07 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VW011710.D

Acq: 05 Aug 2019 15:39

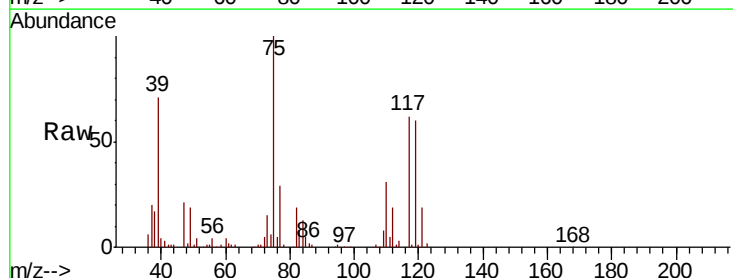
Tgt Ion: 75 Resp: 85793

Ion Ratio Lower Upper

75 100

110 31.6 15.6 46.8

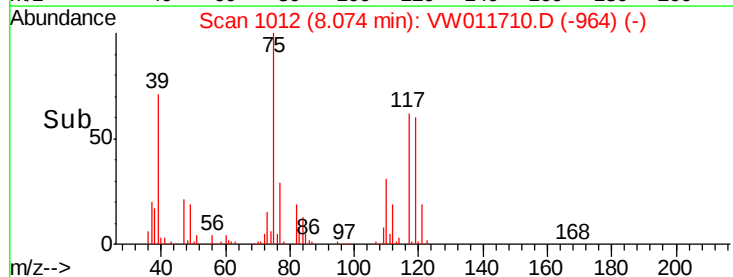
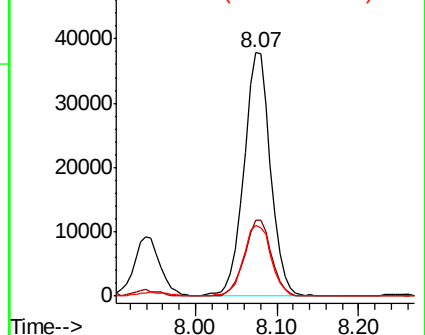
77 30.4 24.3 36.5

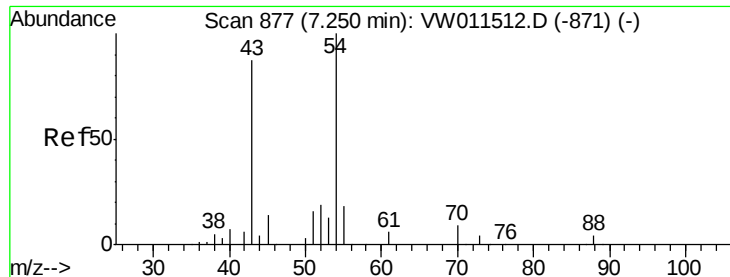


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

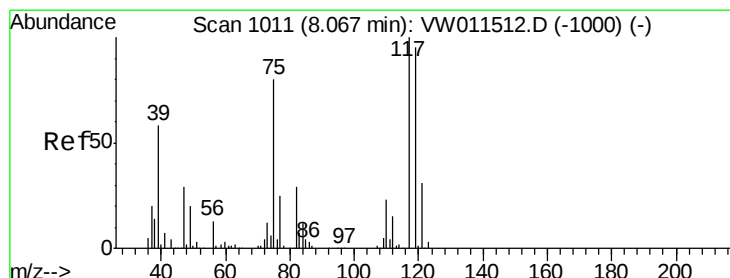
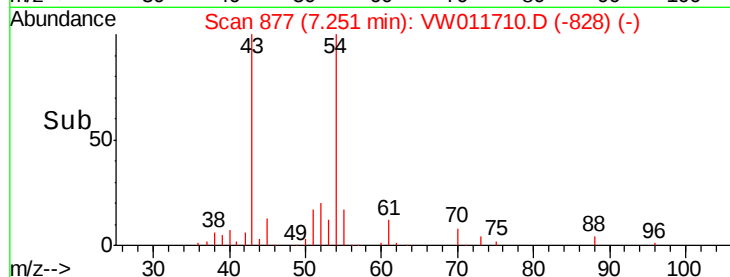
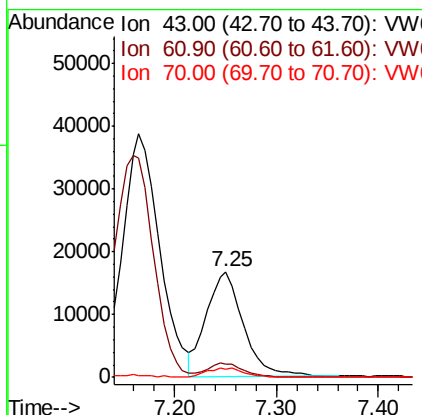
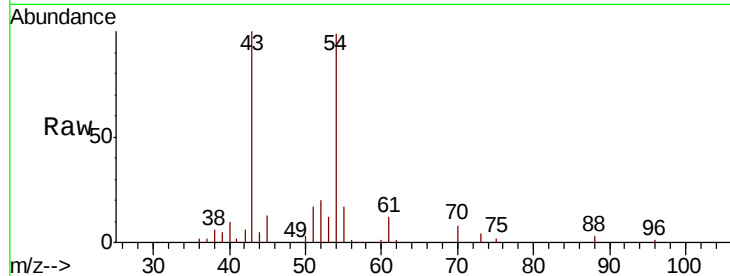




#37
Ethyl Acetate
Concen: 18.972 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011710.D
Acq: 05 Aug 2019 15:39

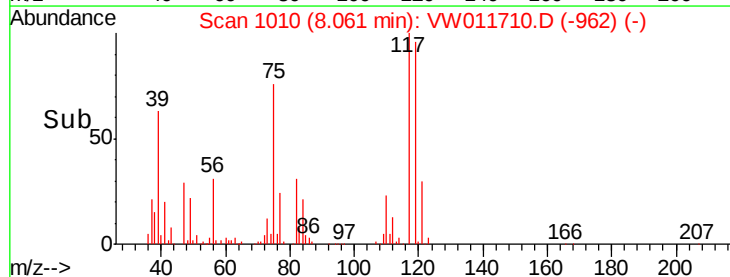
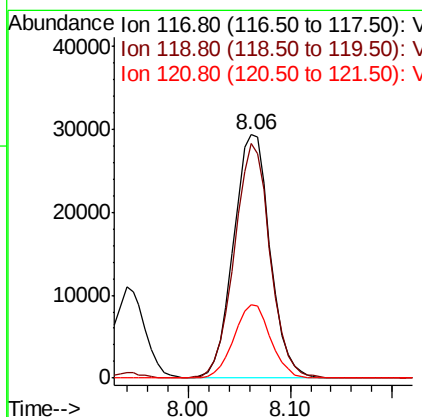
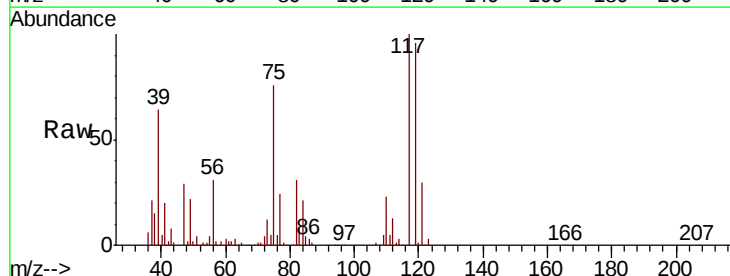
Instrument :
MSVOA_W
ClientSampleId :
VW0806SBS01

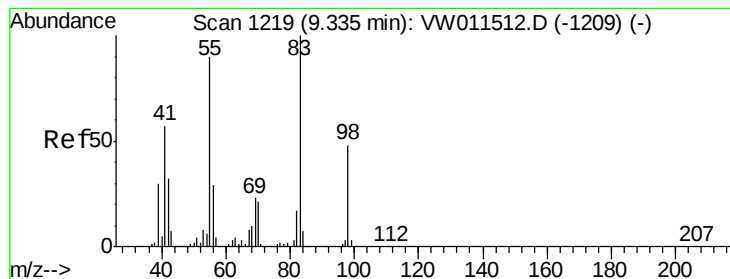
Tot Ion: 43 Resp: 42306
Ion Ratio Lower Upper
43 100
61 12.1 8.8 13.2
70 9.3 7.1 10.7



#38
Carbon Tetrachloride
Concen: 22.016 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011710.D
Acq: 05 Aug 2019 15:39

Tgt Ion: 117 Resp: 73052
Ion Ratio Lower Upper
117 100
119 96.3 75.8 113.6
121 29.9 24.7 37.1





#39

Methvlcvclohexane

Concen: 22.075 ug/l

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW011710.D

Acq: 05 Aug 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

VW0806SBS01

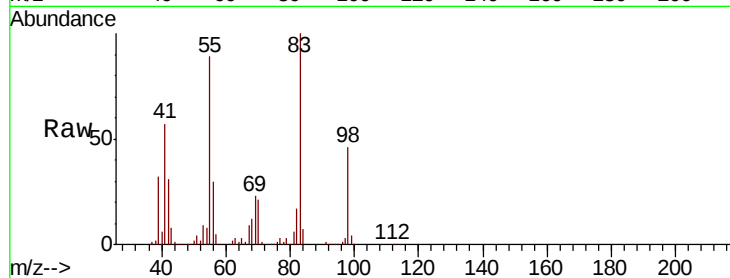
Tot Ion: 83 Resp: 94211

Ion Ratio Lower Upper

83 100

55 88.7 72.1 108.1

98 46.5 38.6 57.8

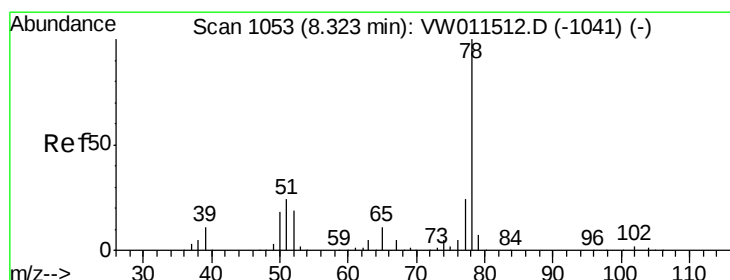
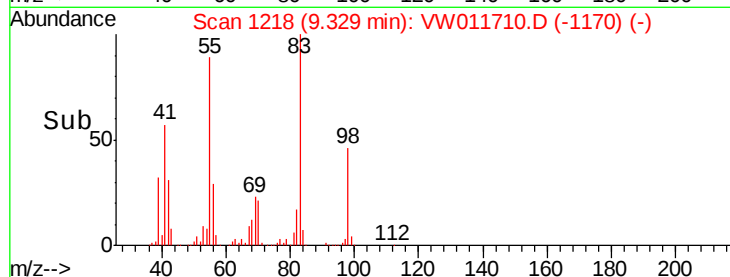
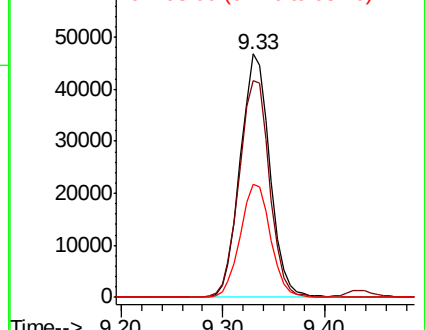


Abundance

Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW



#40

Benzene

Concen: 21.206 ug/l

RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VW011710.D

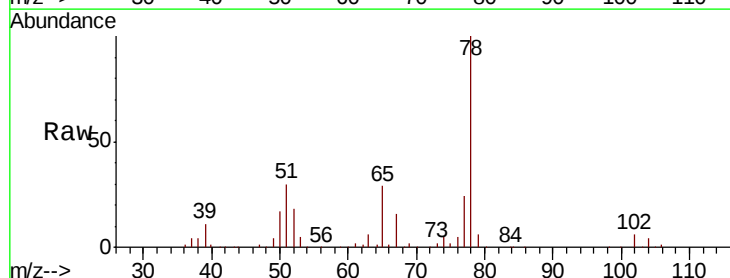
Acq: 05 Aug 2019 15:39

Tgt Ion: 78 Resp: 230229

Ion Ratio Lower Upper

78 100

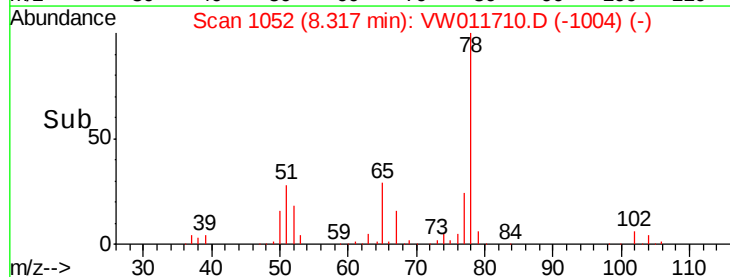
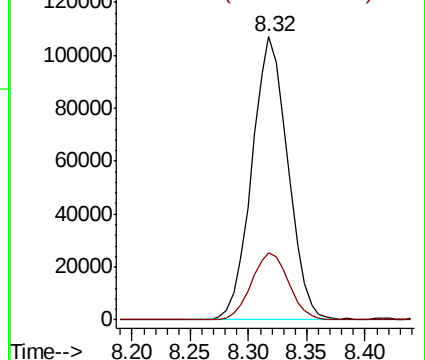
77 23.8 19.4 29.0

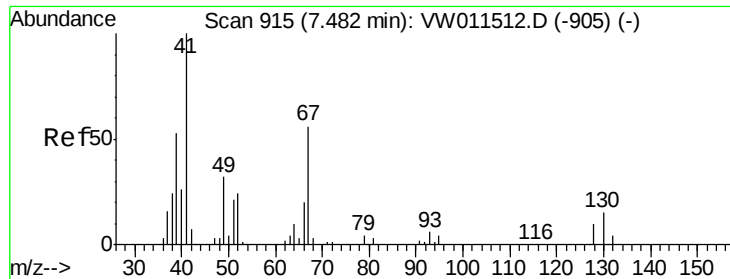


Abundance

Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW





#41

Methacrylonitrile

Concen: 20.035 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW011710.D

Acq: 05 Aug 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

VW0806SBS01

Tot Ion: 41 Resp: 26707

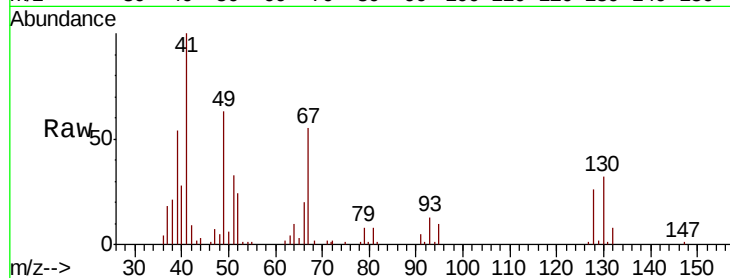
Ion Ratio Lower Upper

41 100

39 53.9 43.0 64.4

67 58.1 47.5 71.3

52 27.4 21.0 31.6



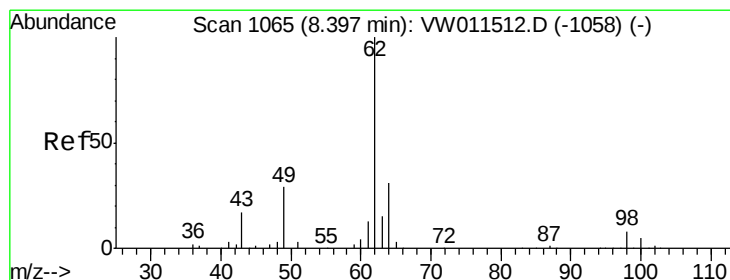
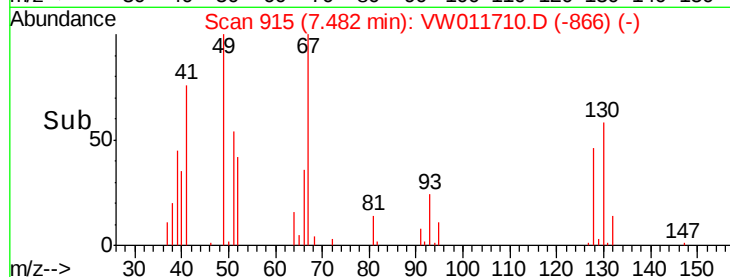
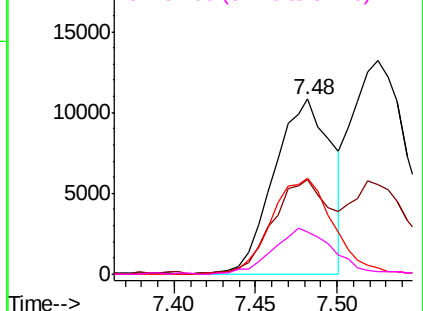
Abundance

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: 20.940 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW011710.D

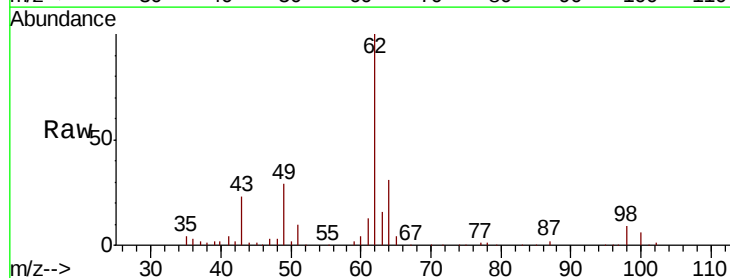
Acq: 05 Aug 2019 15:39

Tgt Ion: 62 Resp: 71177

Ion Ratio Lower Upper

62 100

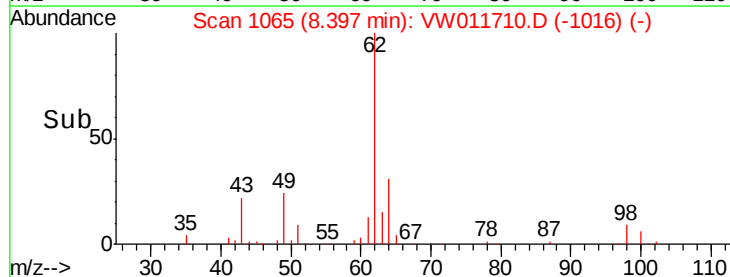
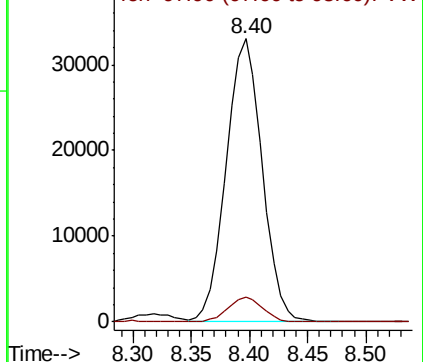
98 8.7 0.0 16.8

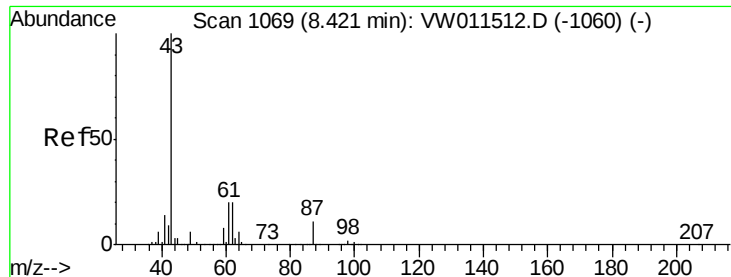


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 19.629 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011710.D

Acq: 05 Aug 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

VW0806SBS01

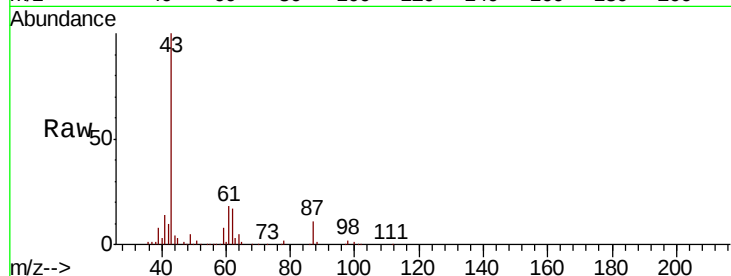
Tot Ion: 43 Resp: 80499

Ion Ratio Lower Upper

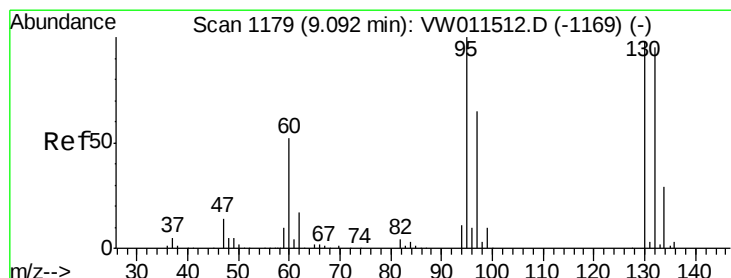
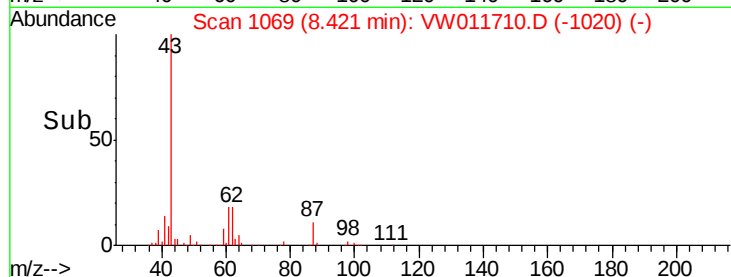
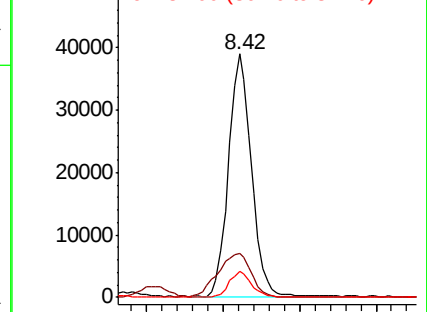
43 100

61 25.9 21.5 32.3

87 10.4 8.4 12.6



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



#44

Trichloroethene

Concen: 21.080 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW011710.D

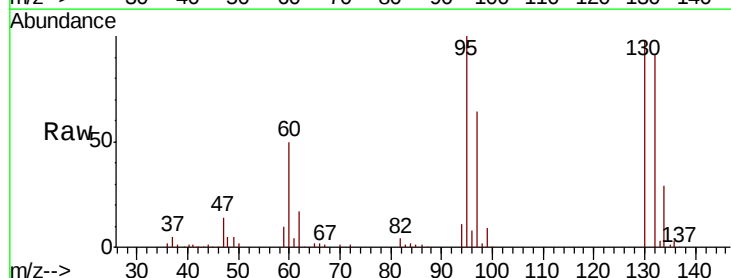
Acq: 05 Aug 2019 15:39

Tgt Ion: 130 Resp: 55005

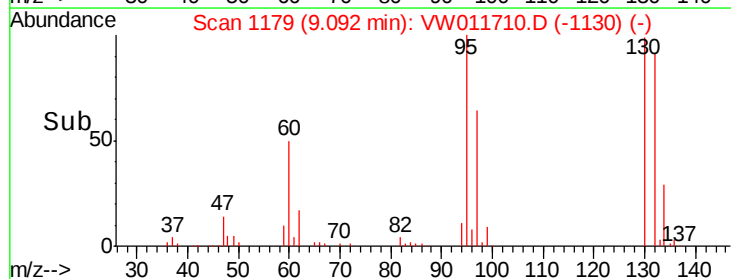
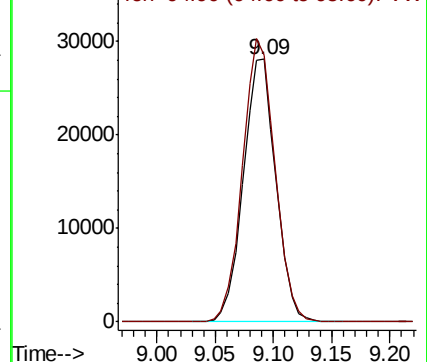
Ion Ratio Lower Upper

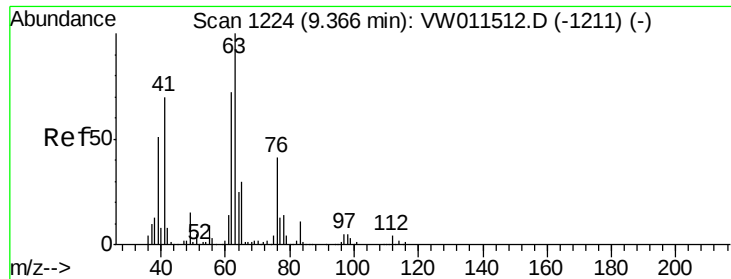
130 100

95 101.7 0.0 204.8



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 21.086 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW011710.D

Acq: 05 Aug 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

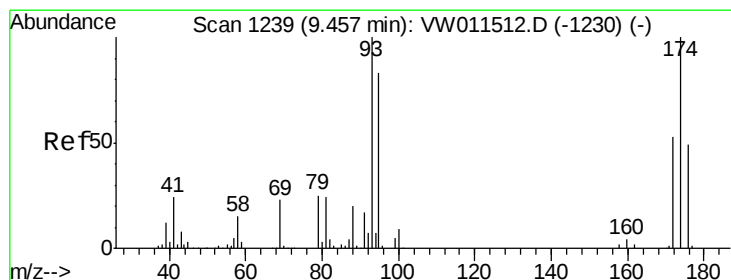
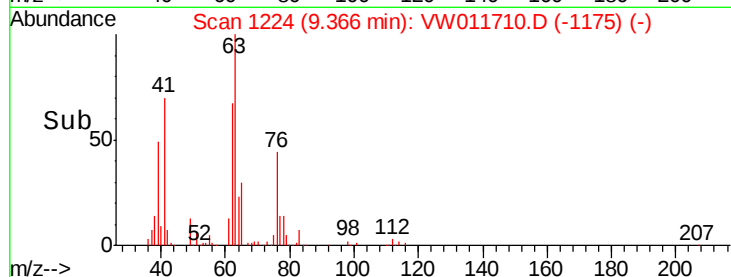
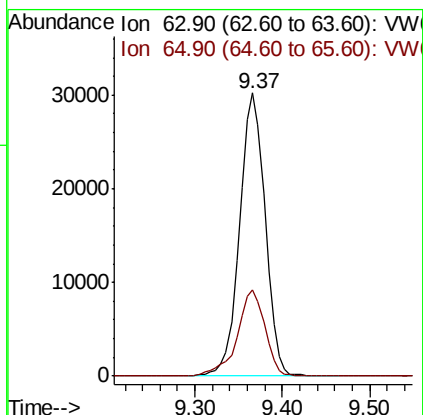
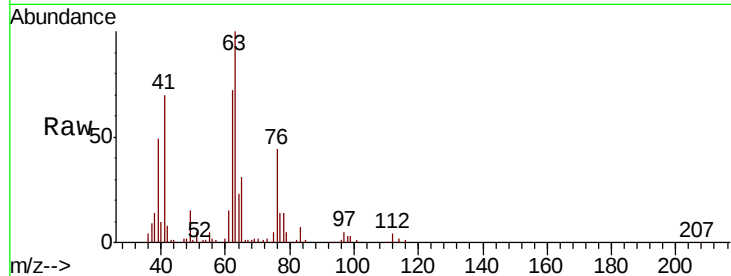
VW0806SBS01

Tot Ion: 63 Resp: 61254

Ion Ratio Lower Upper

63 100

65 30.5 24.2 36.4



#46

Dibromomethane

Concen: 20.095 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW011710.D

Acq: 05 Aug 2019 15:39

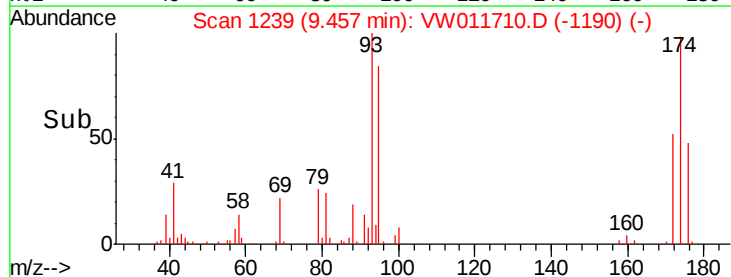
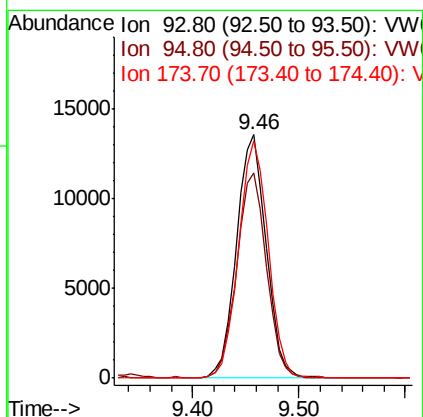
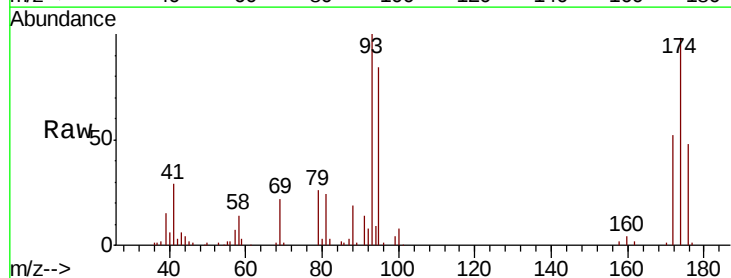
Tgt Ion: 93 Resp: 26643

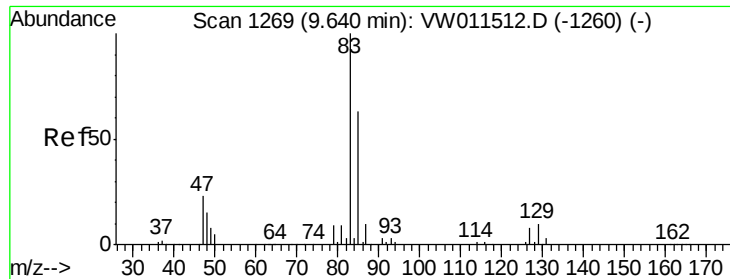
Ion Ratio Lower Upper

93 100

95 84.6 66.2 99.2

174 97.3 78.2 117.4

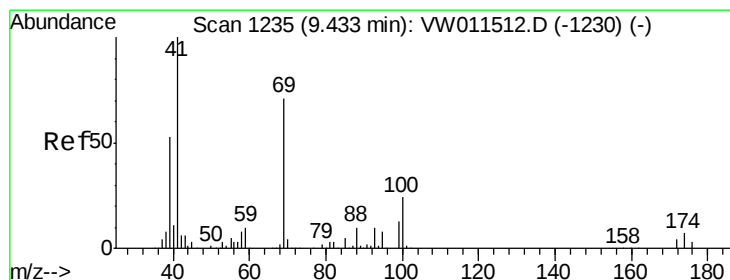
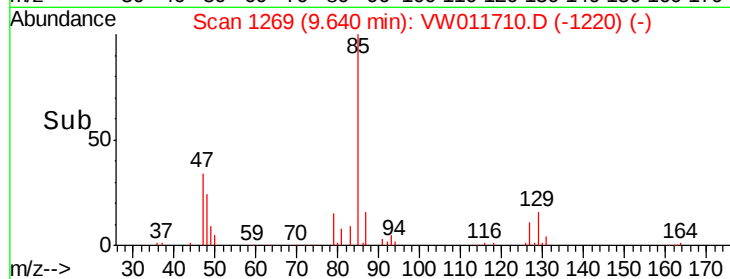
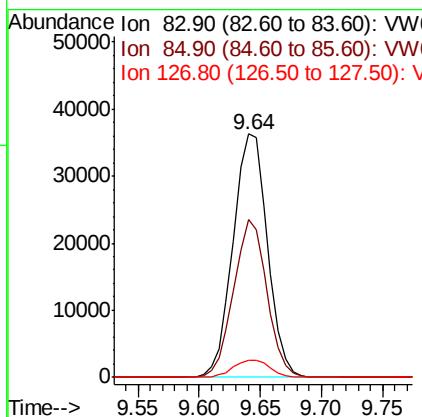
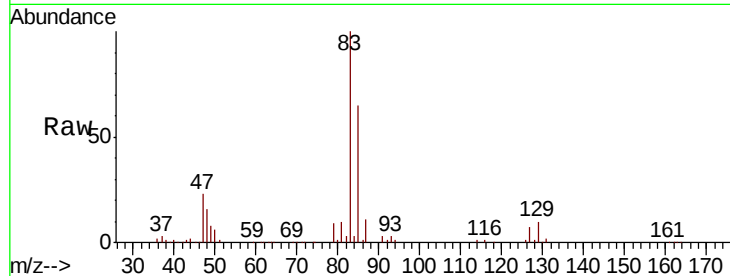




#47
 Bromodichloromethane
 Concen: 20.302 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW011710.D
 Acq: 05 Aug 2019 15:39

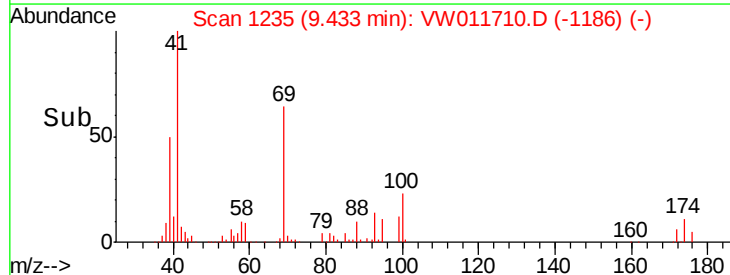
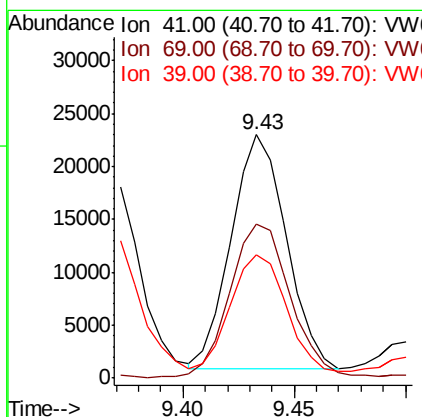
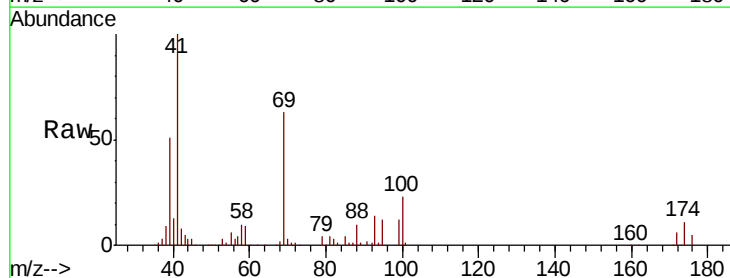
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0806SBS01

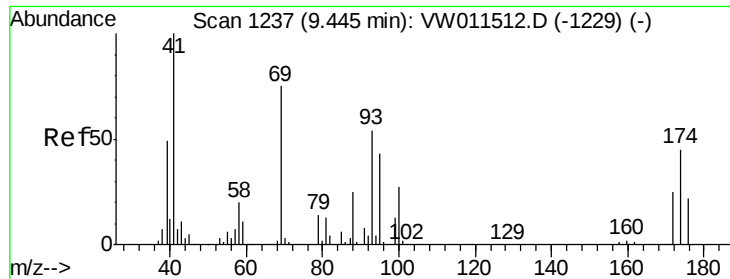
Tot Ion	83	Resp	70607
Ion Ratio	100		
Lower	50.5		
Upper	75.7		
85	64.9		
127	7.1		
	6.4		
	9.6		



#48
 Methyl methacrylate
 Concen: 19.367 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW011710.D
 Acq: 05 Aug 2019 15:39

Tgt Ion	41	Resp	38153
Ion Ratio	100		
Lower	57.1		
Upper	85.7		
69	71.6		
39	50.7		
	45.4		
	68.2		





#49

1,4-Dioxane

Concen: 409.586 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.01 min

Lab File: VW011710.D

Acq: 05 Aug 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

VW0806SBS01

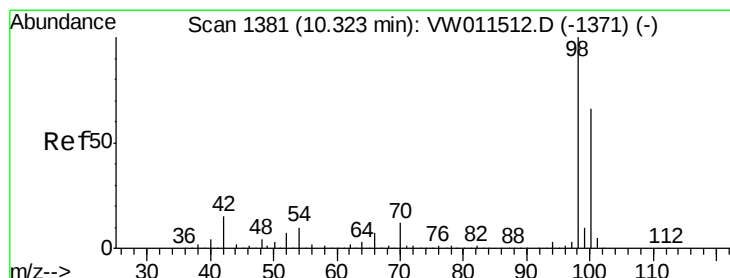
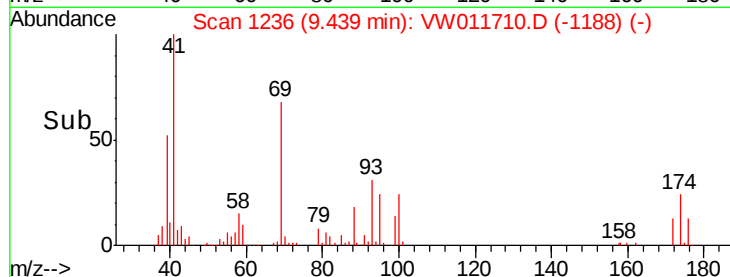
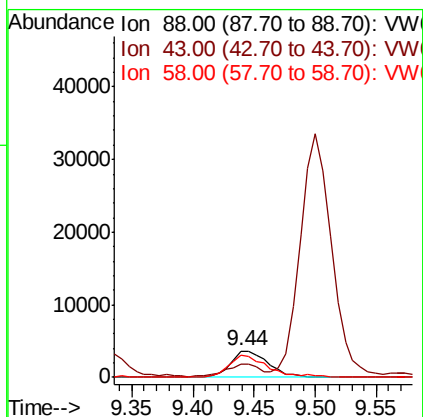
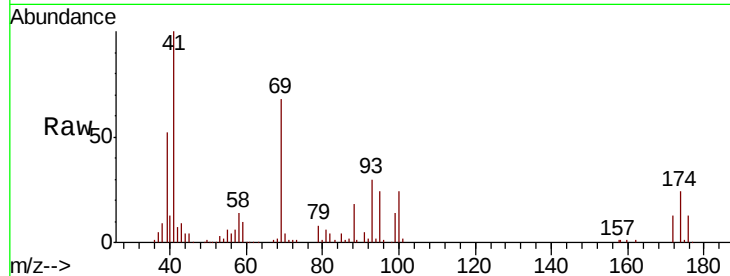
Tot Ion: 88 Resp: 7863

Ion Ratio Lower Upper

88 100

43 42.6 34.0 51.0

58 88.4 69.7 104.5



#50

Toluene-d8

Concen: 55.262 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011710.D

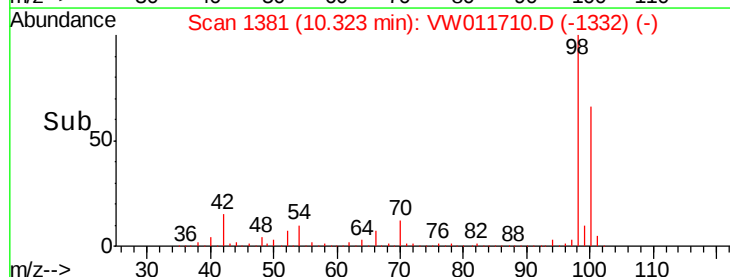
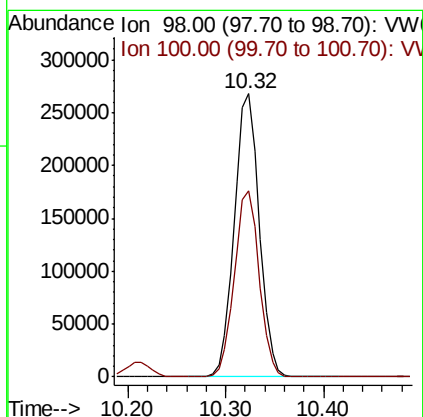
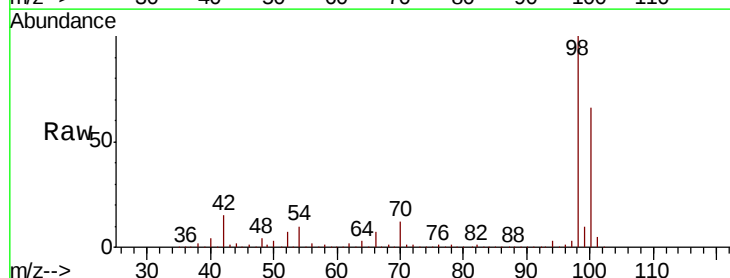
Acq: 05 Aug 2019 15:39

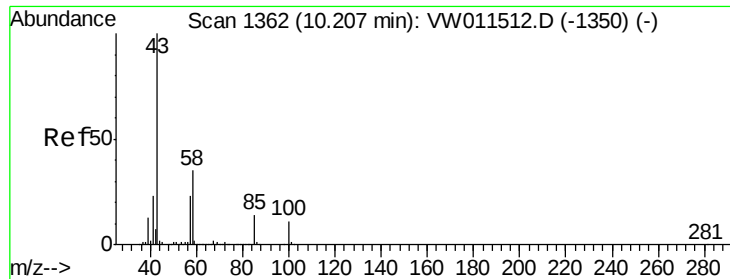
Tgt Ion: 98 Resp: 473153

Ion Ratio Lower Upper

98 100

100 65.5 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 98.669 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011710.D

Acq: 05 Aug 2019 15:39

Instrument :

MSVOA_W

ClientSampled :

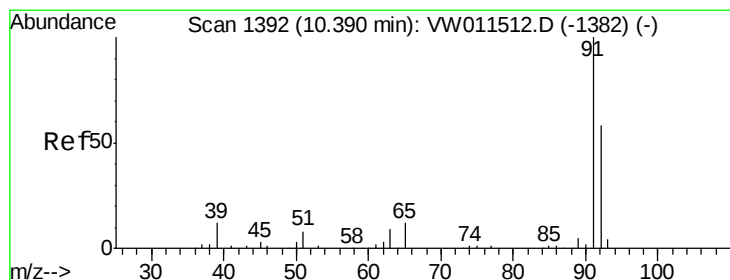
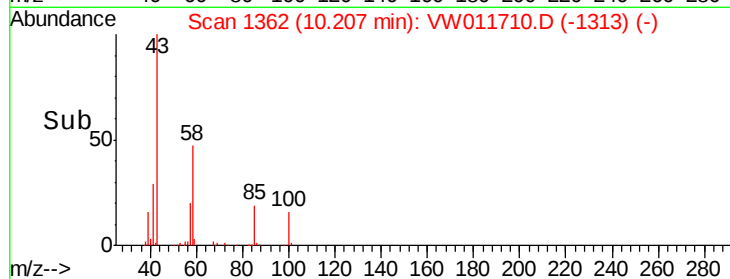
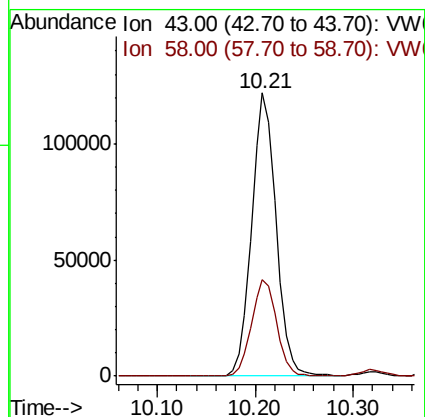
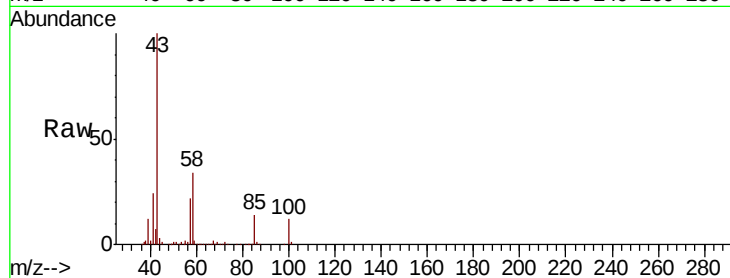
VW0806SBS01

Tot Ion: 43 Resp: 210474

Ion Ratio Lower Upper

43 100

58 35.2 28.2 42.2



#52

Toluene

Concen: 21.419 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW011710.D

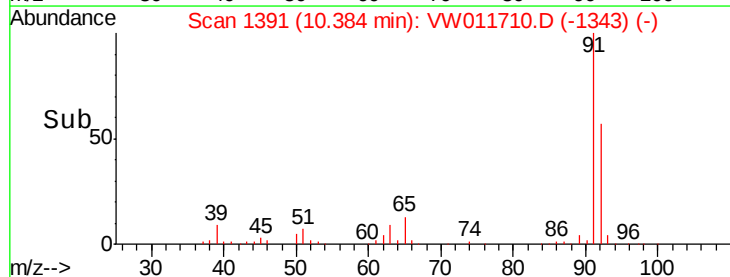
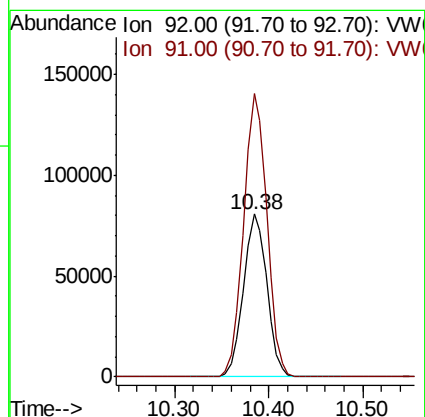
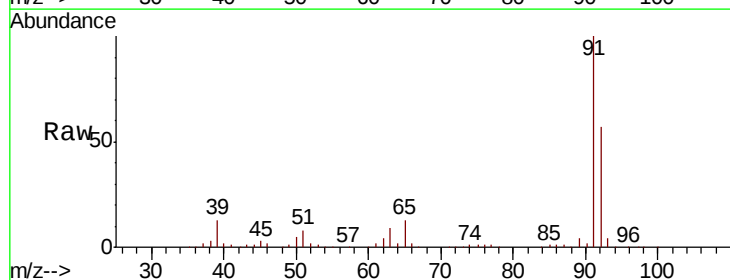
Acq: 05 Aug 2019 15:39

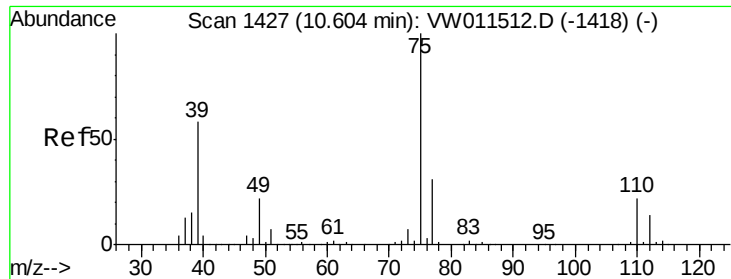
Tgt Ion: 92 Resp: 140431

Ion Ratio Lower Upper

92 100

91 172.7 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 19.749 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011710.D

Acq: 05 Aug 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

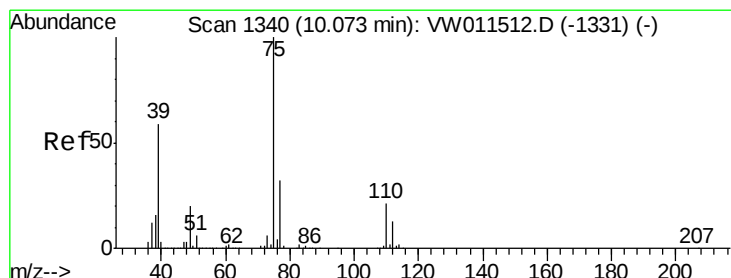
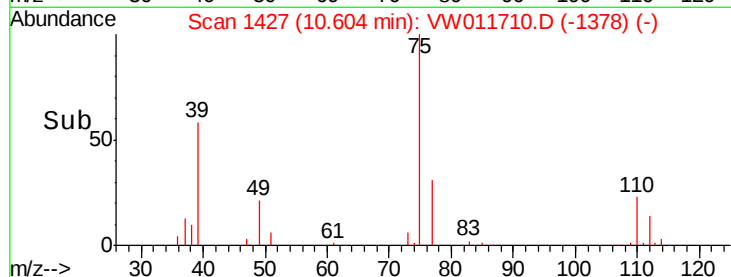
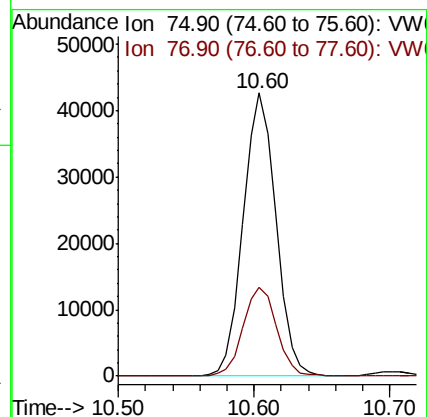
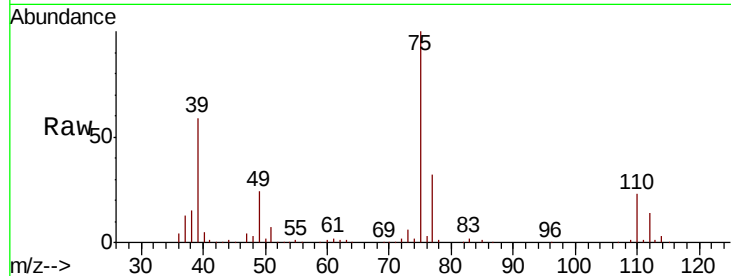
VW0806SBS01

Tot Ion: 75 Resp: 71748

Ion Ratio Lower Upper

75 100

77 31.4 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 20.362 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011710.D

Acq: 05 Aug 2019 15:39

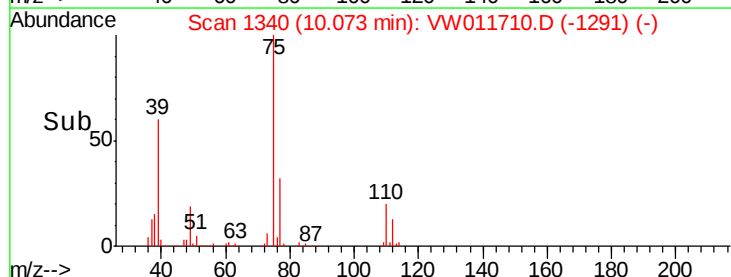
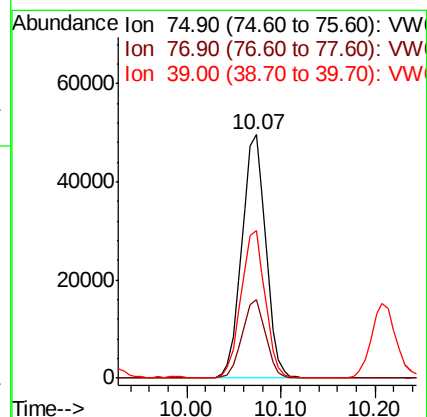
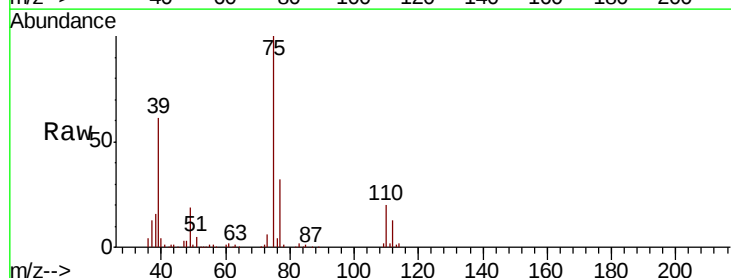
Tgt Ion: 75 Resp: 87958

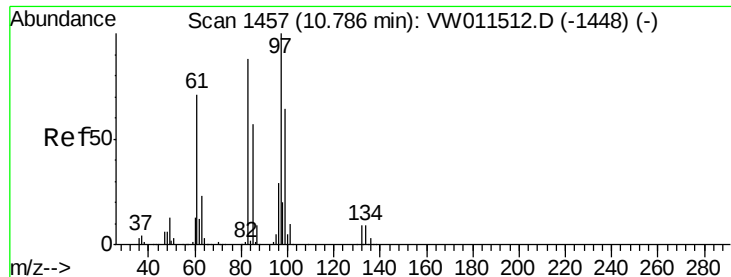
Ion Ratio Lower Upper

75 100

77 32.1 25.6 38.4

39 60.3 47.0 70.4

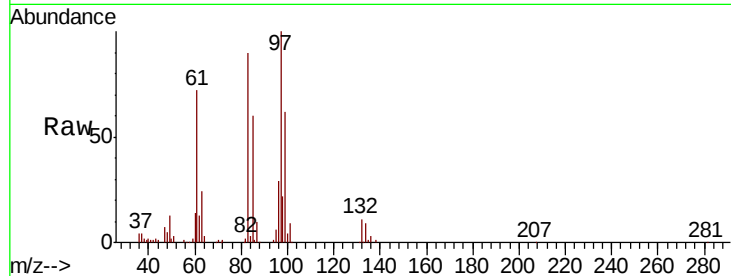




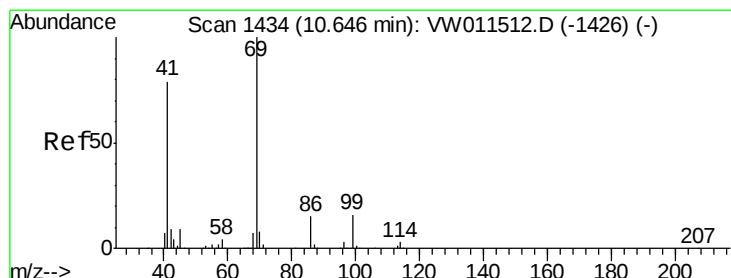
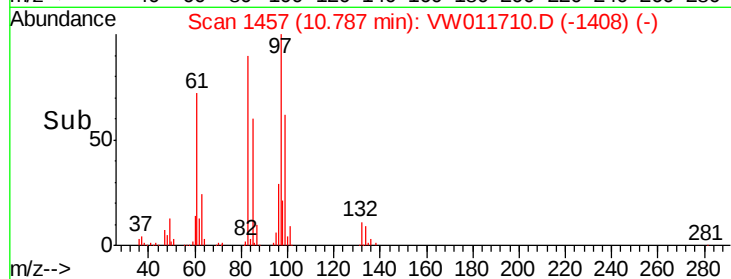
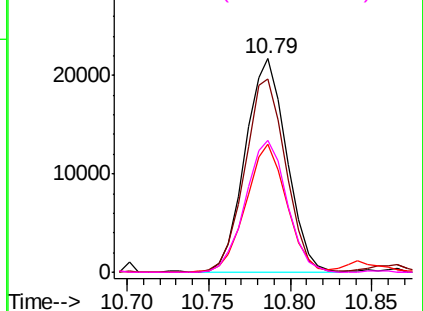
#55
 1,1,2-Trichloroethane
 Concen: 20.334 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011710.D
 Acq: 05 Aug 2019 15:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0806SBS01

Tot Ion:	97	Resp:	38252
Ion	Ratio	Lower	Upper
97	100		
83	90.3	70.5	105.7
85	59.7	45.8	68.6
99	62.0	51.0	76.4

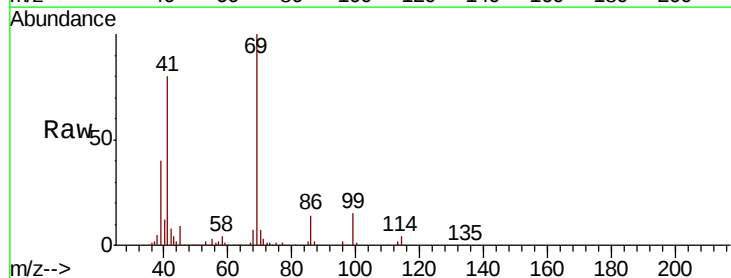


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

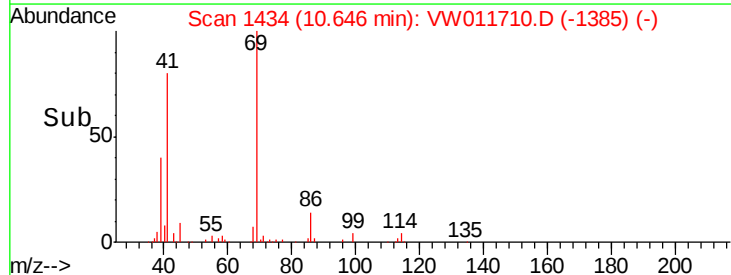
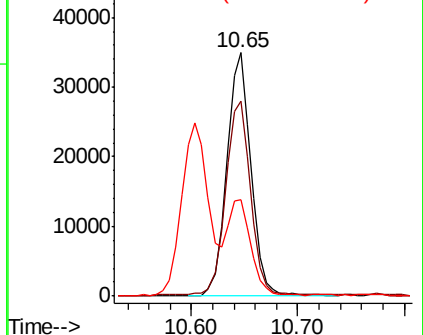


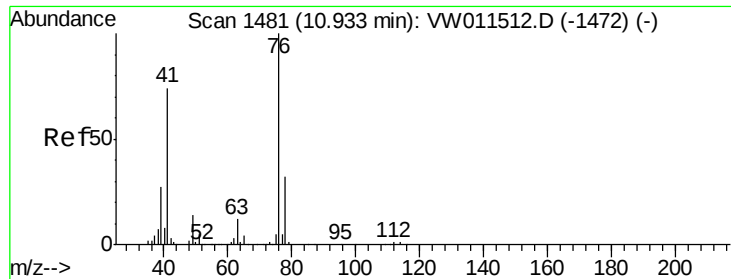
#56
 Ethyl methacrylate
 Concen: 20.215 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011710.D
 Acq: 05 Aug 2019 15:39

Tgt Ion:	69	Resp:	55647
Ion	Ratio	Lower	Upper
69	100		
41	82.7	66.6	99.8
39	37.0	30.3	45.5



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

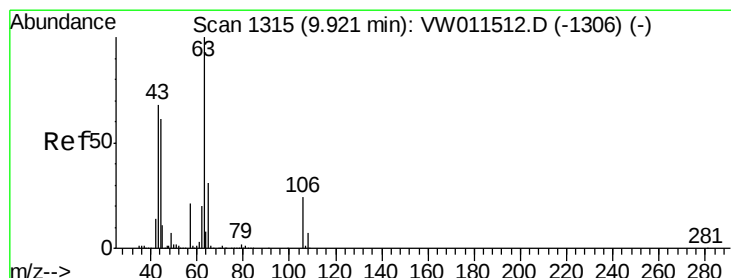
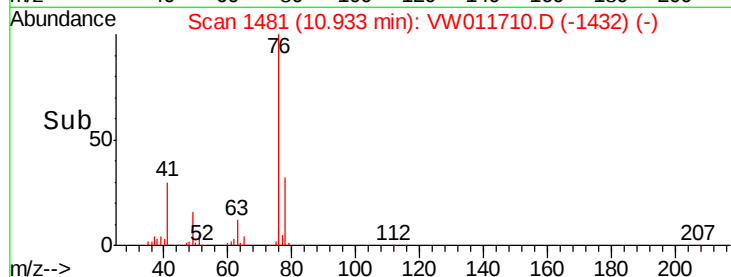
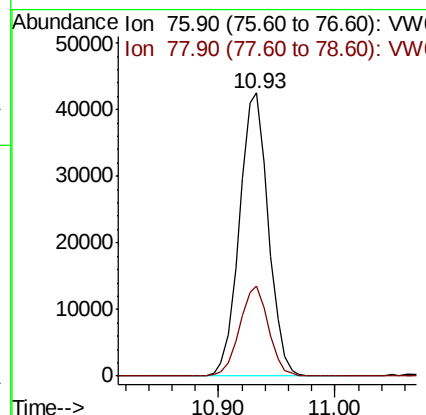
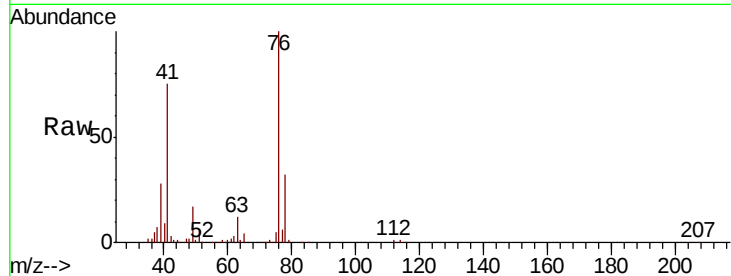




#57
 1,3-Dichloropropane
 Concen: 20.675 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011710.D
 Acq: 05 Aug 2019 15:39

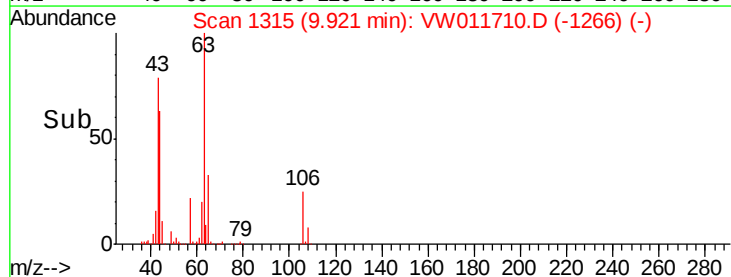
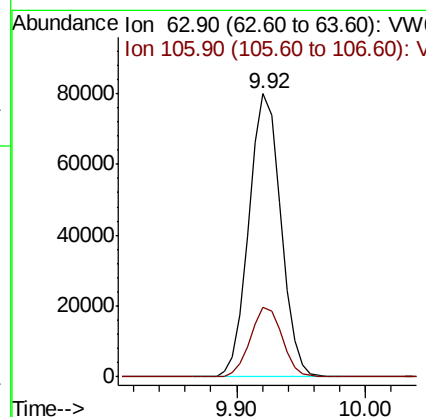
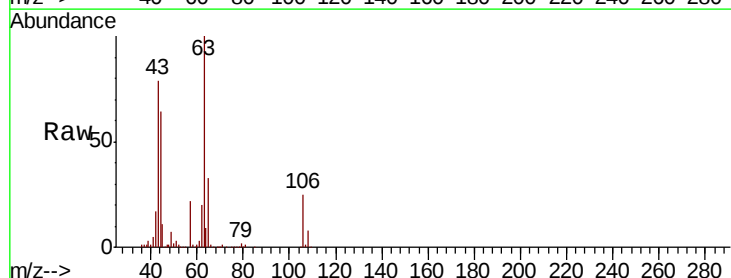
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0806SBS01

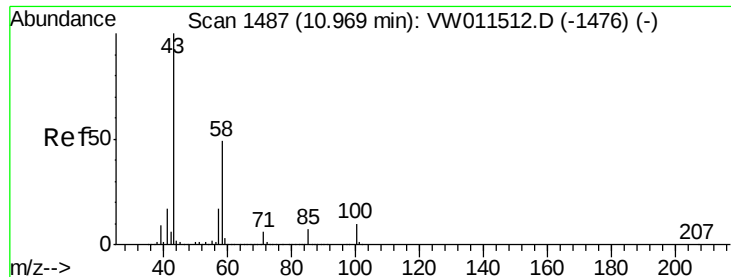
Tot Ion: 76 Resp: 73584
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.507 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011710.D
 Acq: 05 Aug 2019 15:39

Tgt Ion: 63 Resp: 136869
 Ion Ratio Lower Upper
 63 100
 106 24.5 19.7 29.5





#59

2-Hexanone

Concen: 97.448 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW011710.D

Acq: 05 Aug 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

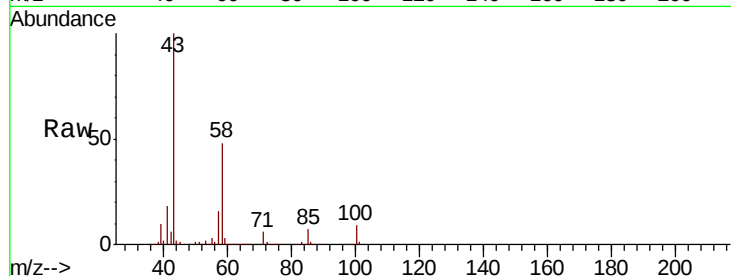
VW0806SBS01

Tot Ion: 43 Resp: 146770

Ion Ratio Lower Upper

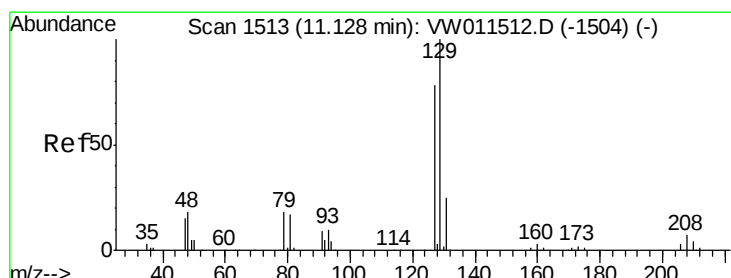
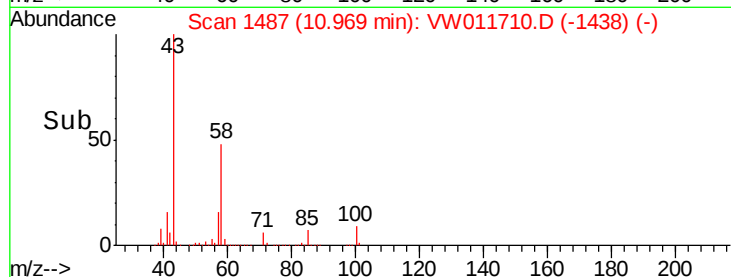
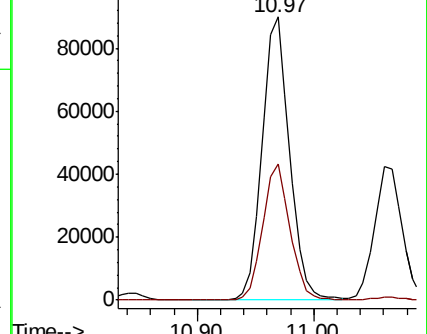
43 100

58 47.9 24.3 72.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#60

Dibromochloromethane

Concen: 19.899 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW011710.D

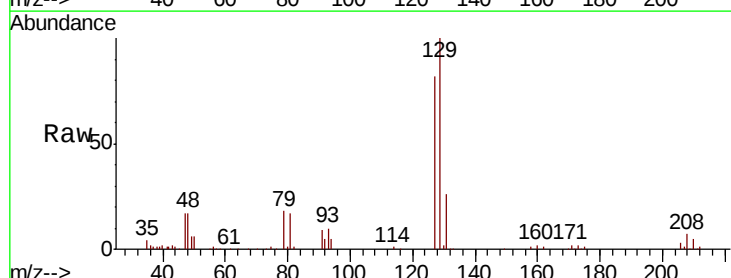
Acq: 05 Aug 2019 15:39

Tgt Ion: 129 Resp: 41551

Ion Ratio Lower Upper

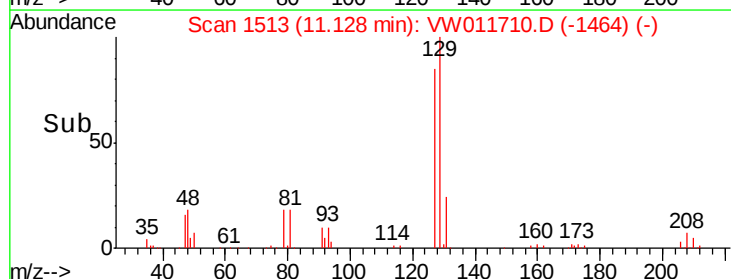
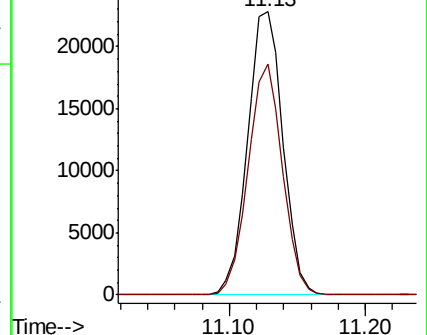
129 100

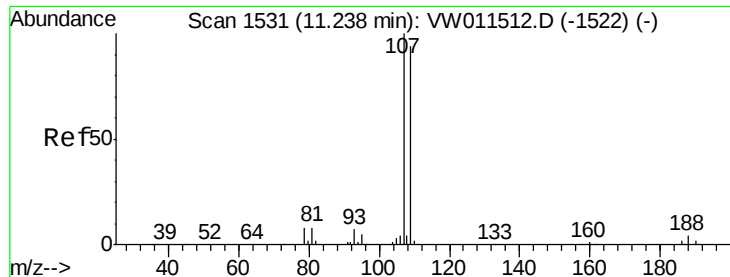
127 79.2 38.9 116.7



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 20.182 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW011710.D

Acq: 05 Aug 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

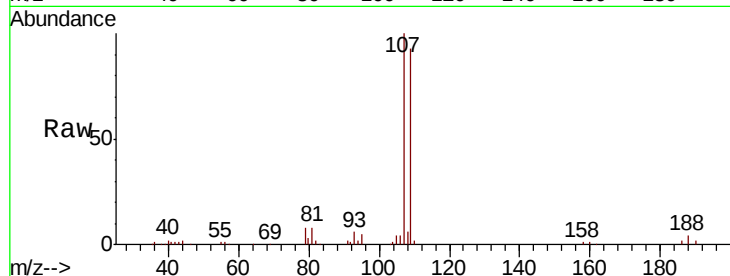
VW0806SBS01

Tot Ion:107 Resp: 35929

Ion Ratio Lower Upper

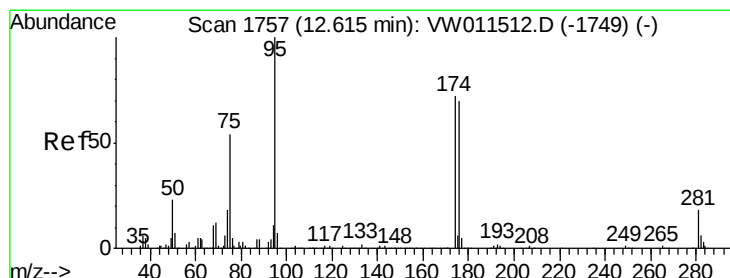
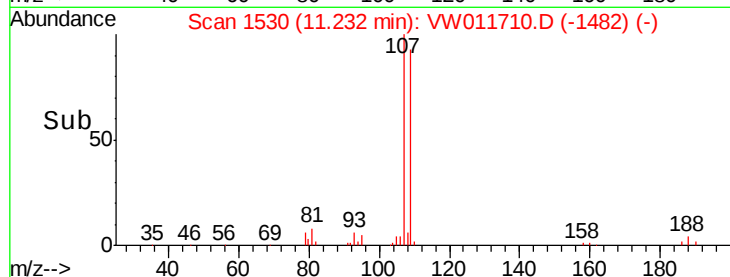
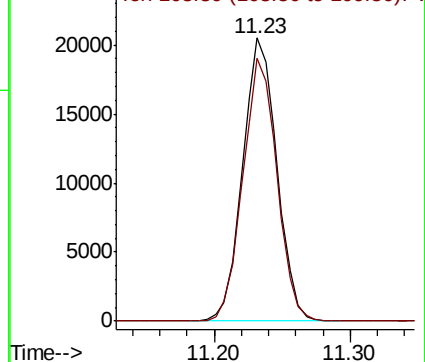
107 100

109 92.9 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 54.412 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW011710.D

Acq: 05 Aug 2019 15:39

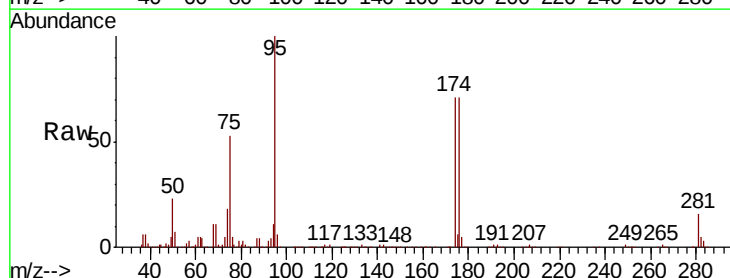
Tgt Ion: 95 Resp: 166095

Ion Ratio Lower Upper

95 100

174 75.4 0.0 150.2

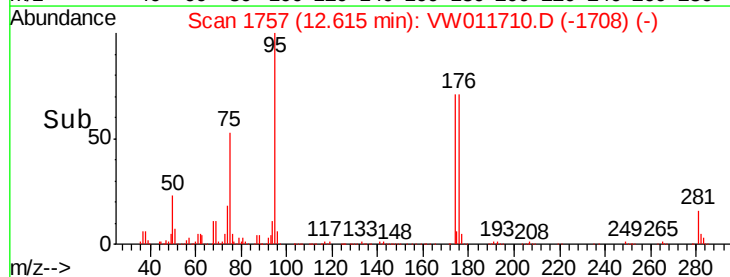
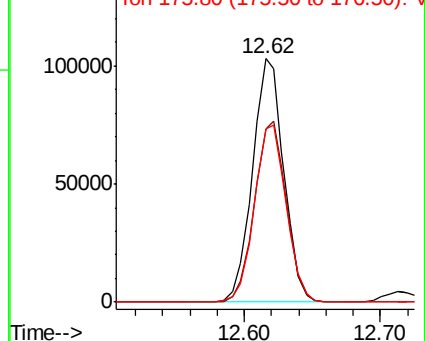
176 73.8 0.0 144.4

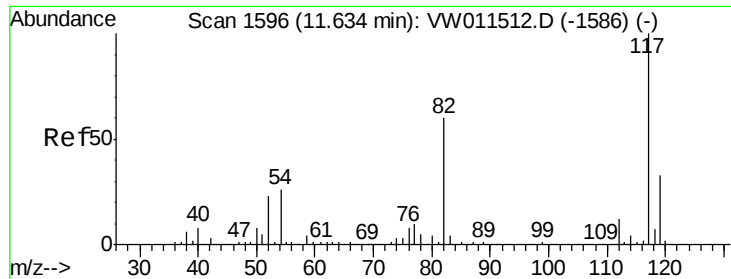


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

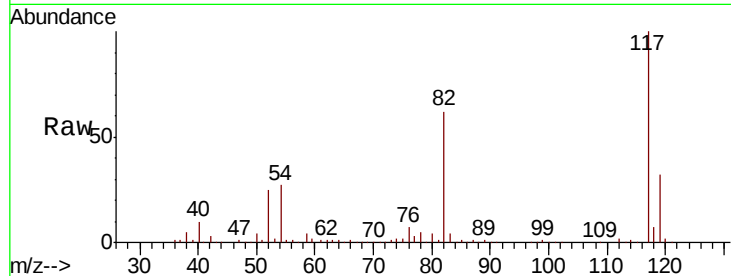




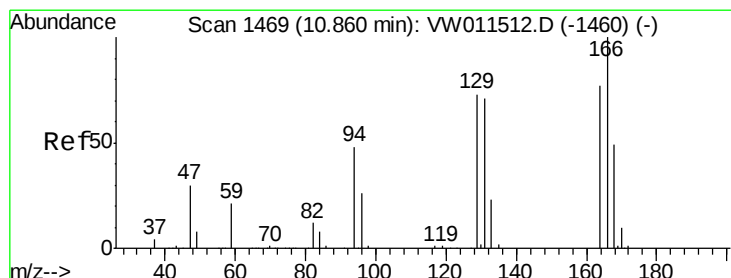
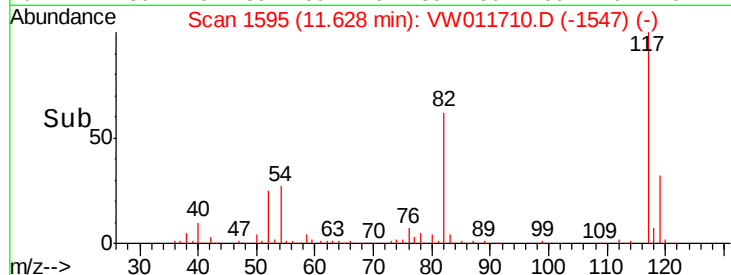
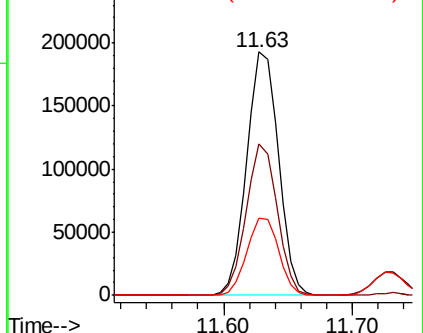
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011710.D
Acq: 05 Aug 2019 15:39

Instrument :
MSVOA_W
ClientSampleId :
VW0806SBS01

Tot Ion:117 Resp: 328005
Ion Ratio Lower Upper
117 100
82 62.2 47.9 71.9
119 31.8 26.2 39.2

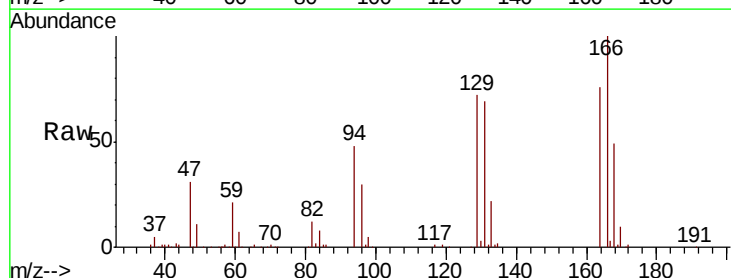


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

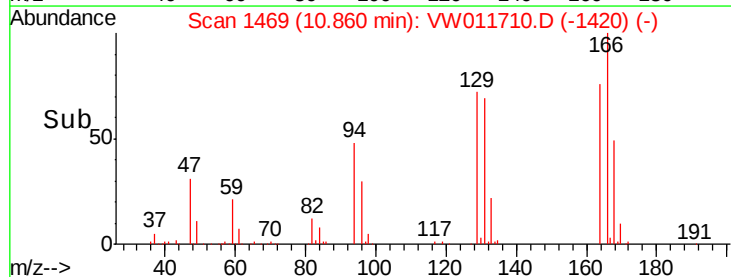
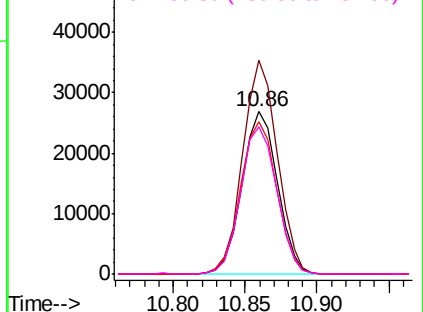


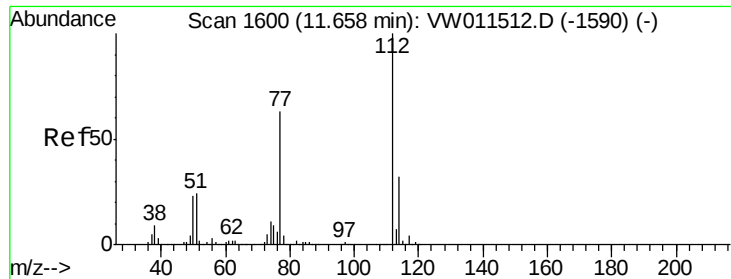
#64
Tetrachloroethene
Concen: 21.390 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011710.D
Acq: 05 Aug 2019 15:39

Tgt Ion:164 Resp: 45682
Ion Ratio Lower Upper
164 100
166 131.7 103.5 155.3
129 94.3 75.2 112.8
131 90.9 73.4 110.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

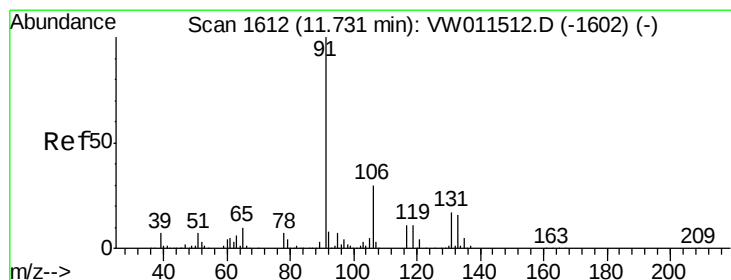
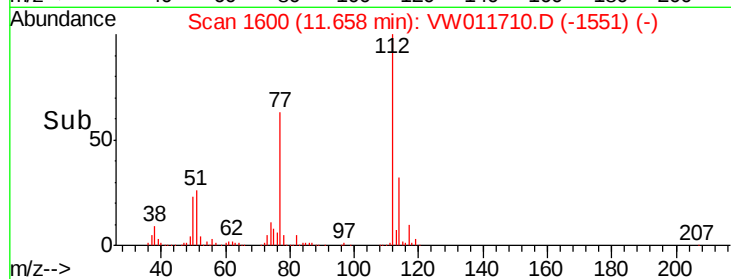
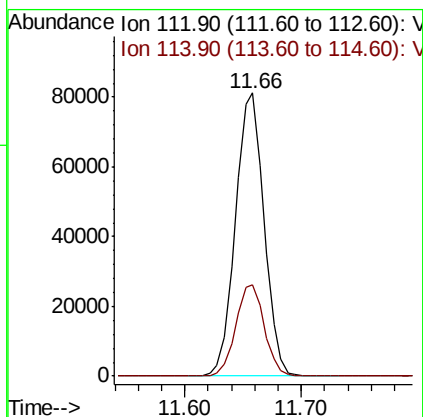
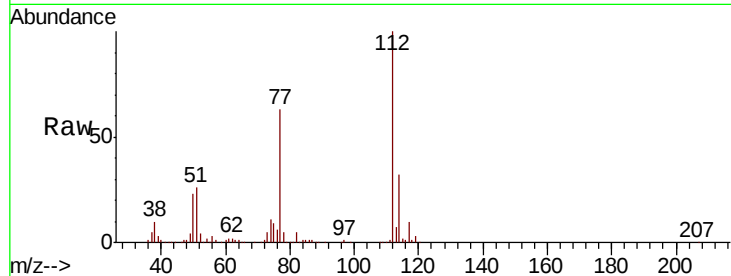




#65
Chlorobenzene
Concen: 21.049 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011710.D
Acq: 05 Aug 2019 15:39

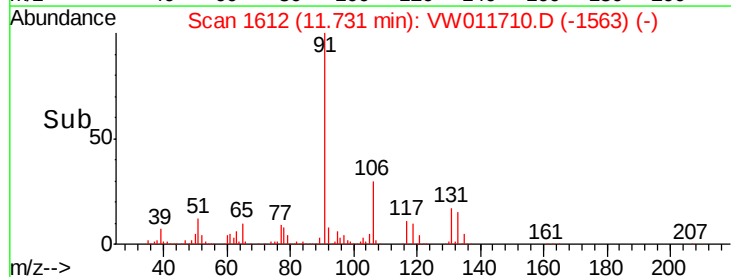
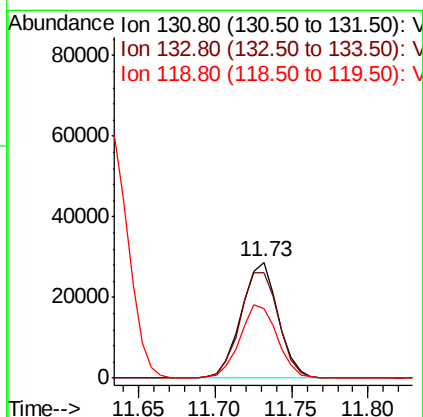
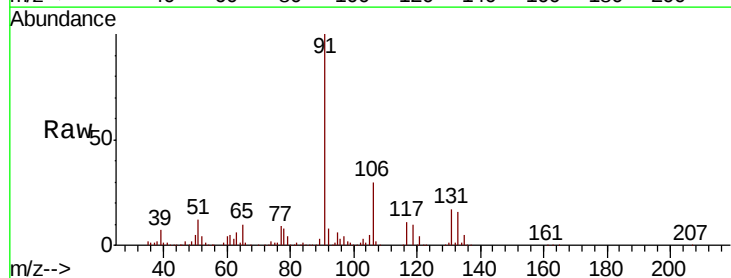
Instrument :
MSVOA_W
ClientSampleId :
VW0806SBS01

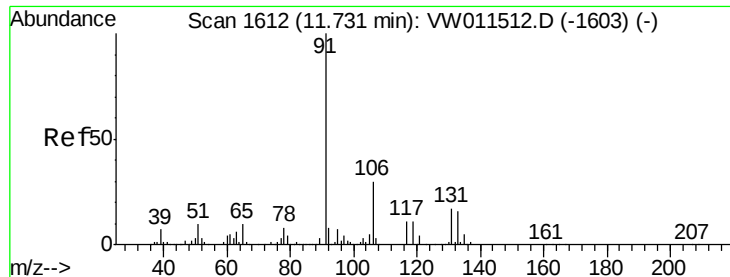
Tot Ion:112 Resp: 138806
Ion Ratio Lower Upper
112 100
114 32.4 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.858 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011710.D
Acq: 05 Aug 2019 15:39

Tgt Ion:131 Resp: 47911
Ion Ratio Lower Upper
131 100
133 96.4 47.4 142.2
119 64.5 32.3 96.9

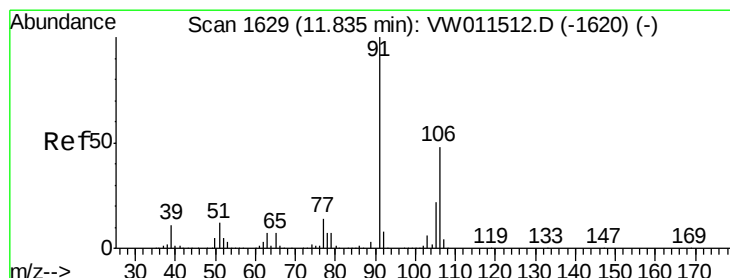
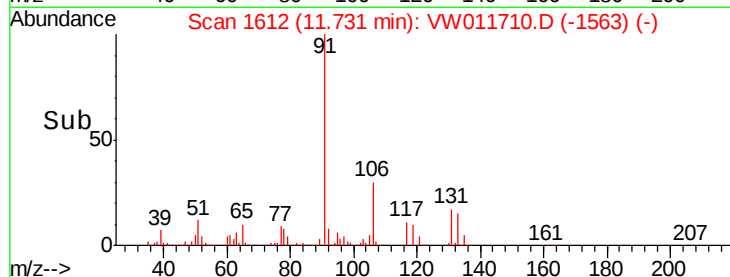
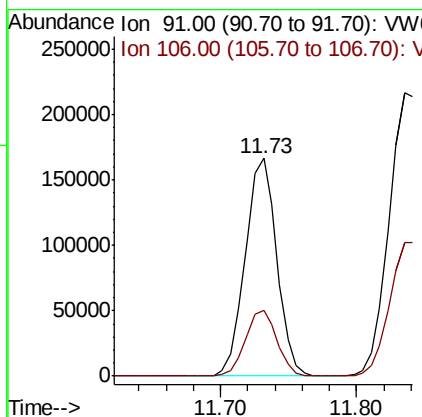
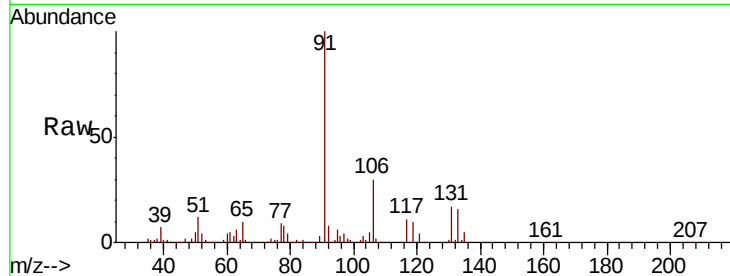




#67
Ethyl Benzene
Concen: 21.567 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011710.D
Acq: 05 Aug 2019 15:39

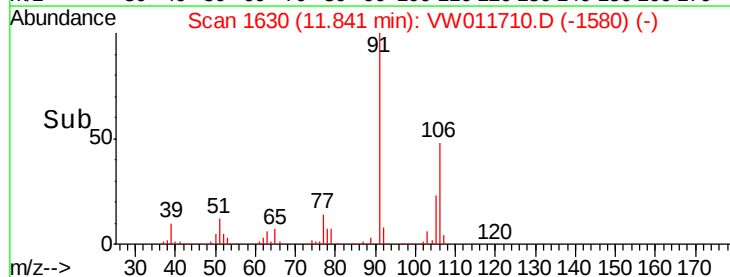
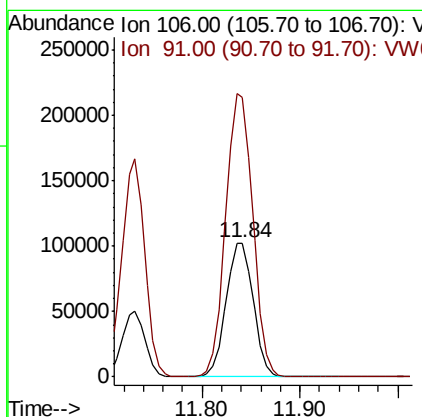
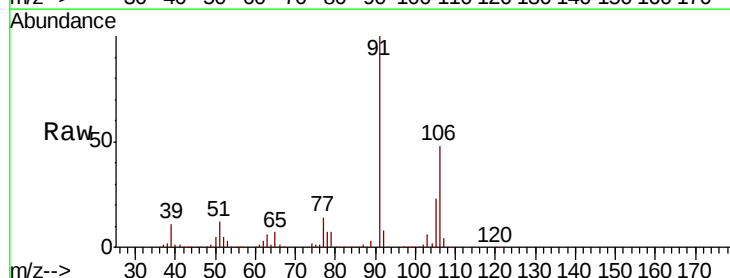
Instrument :
MSVOA_W
ClientSampleId :
VW0806SBS01

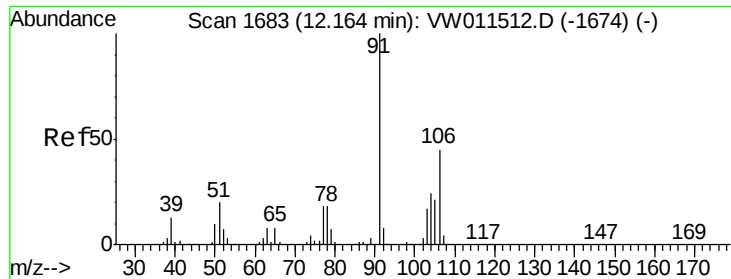
Tot Ion: 91 Resp: 270865
Ion Ratio Lower Upper
91 100
106 30.1 23.8 35.6



#68
m/p-Xylenes
Concen: 43.043 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011710.D
Acq: 05 Aug 2019 15:39

Tgt Ion: 106 Resp: 196596
Ion Ratio Lower Upper
106 100
91 211.3 168.2 252.2

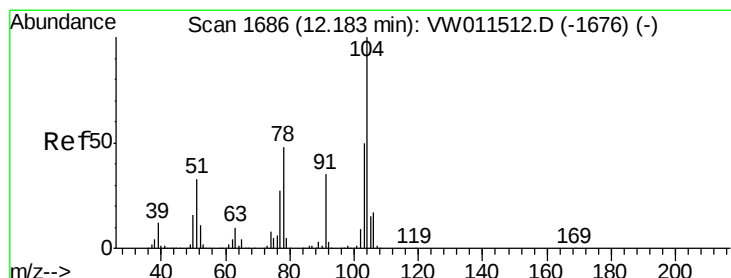
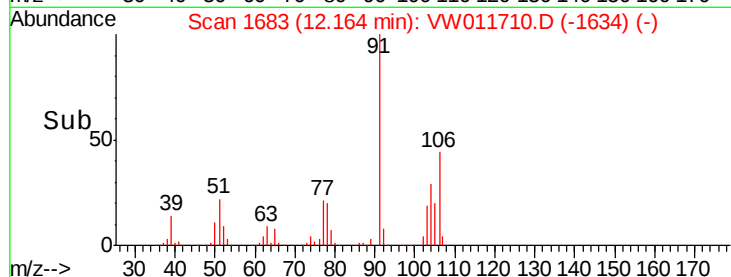
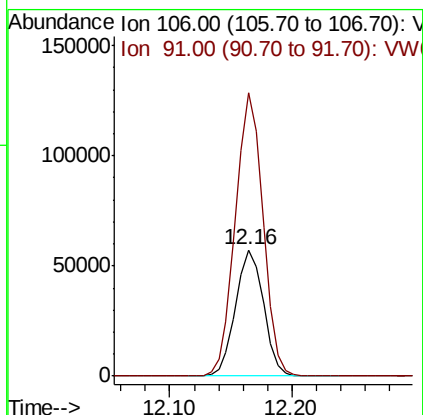
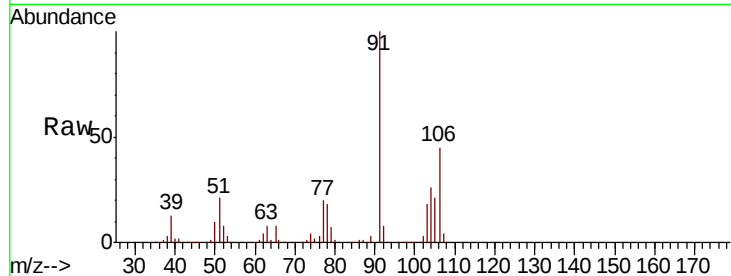




#69
o-Xylene
Concen: 21.420 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011710.D
Acq: 05 Aug 2019 15:39

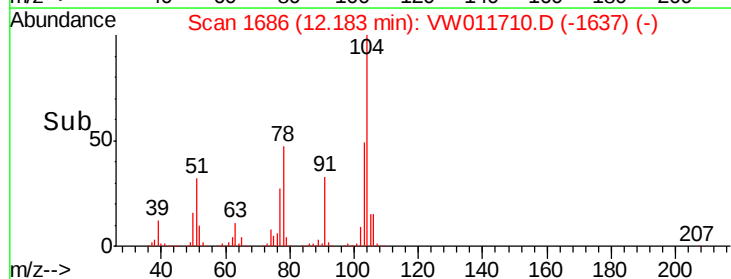
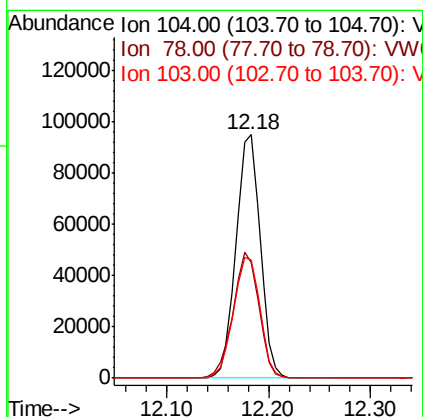
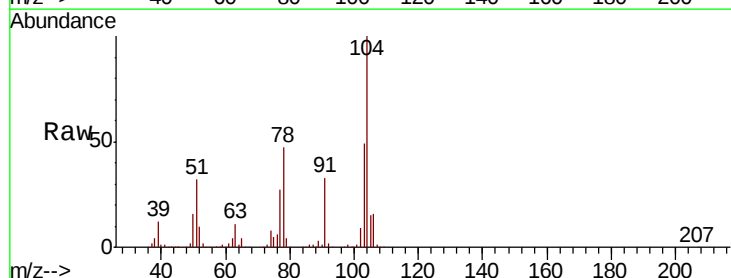
Instrument :
MSVOA_W
ClientSampleId :
VW0806SBS01

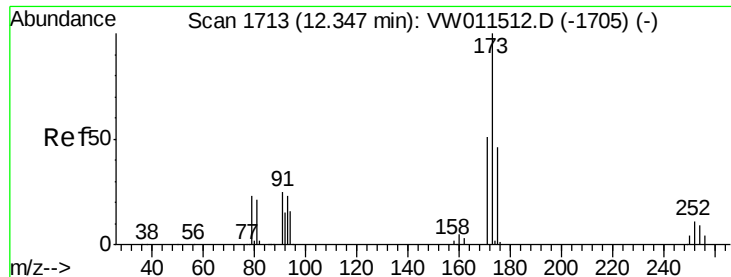
Tot Ion:106 Resp: 90915
Ion Ratio Lower Upper
106 100
91 221.6 110.5 331.5



#70
Styrene
Concen: 21.322 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011710.D
Acq: 05 Aug 2019 15:39

Tgt Ion:104 Resp: 156470
Ion Ratio Lower Upper
104 100
78 54.7 43.4 65.0
103 54.3 43.9 65.9





#71

Bromoform

Concen: 19.411 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011710.D

Acq: 05 Aug 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

VW0806SBS01

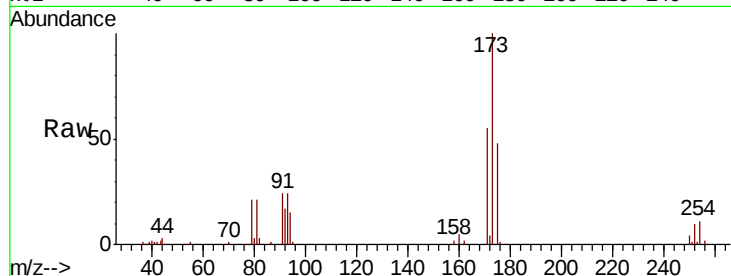
Tot Ion:173 Resp: 22733

Ion Ratio Lower Upper

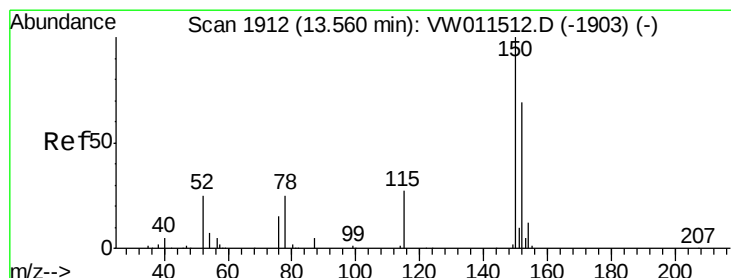
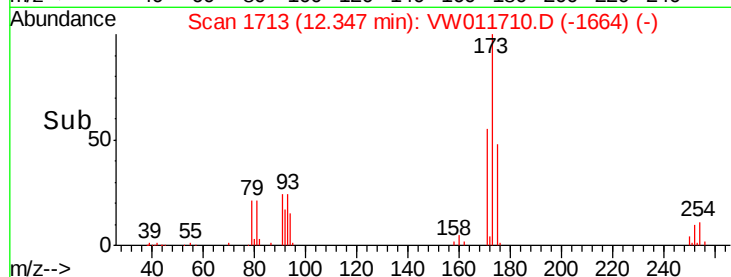
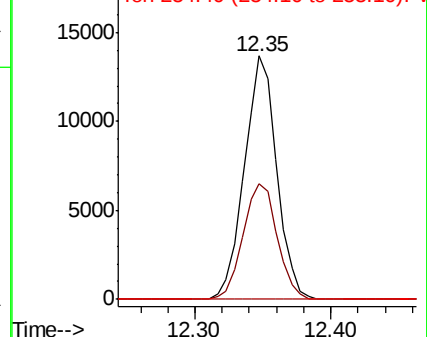
173 100

175 49.9 23.6 71.0

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: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011710.D

Acq: 05 Aug 2019 15:39

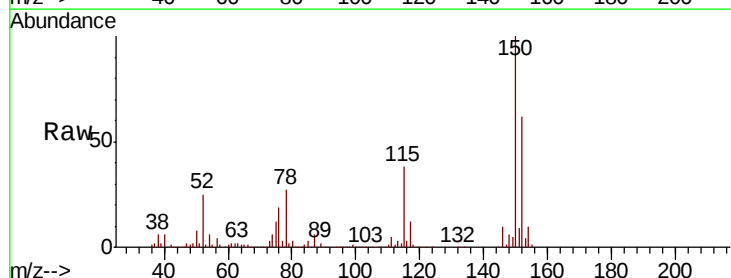
Tgt Ion:152 Resp: 164577

Ion Ratio Lower Upper

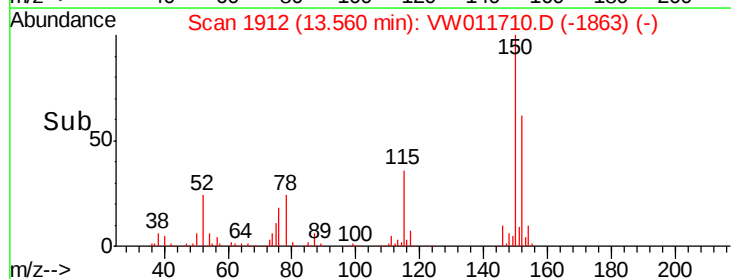
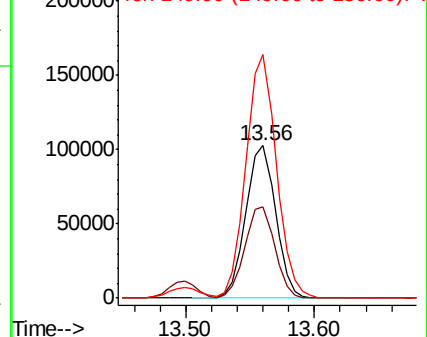
152 100

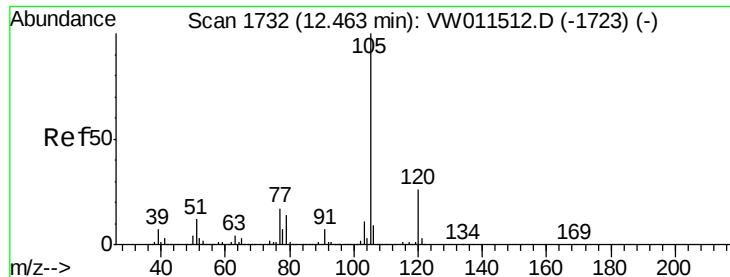
115 59.9 30.5 91.5

150 162.9 0.0 352.6



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: 20.719 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011710.D

Acq: 05 Aug 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

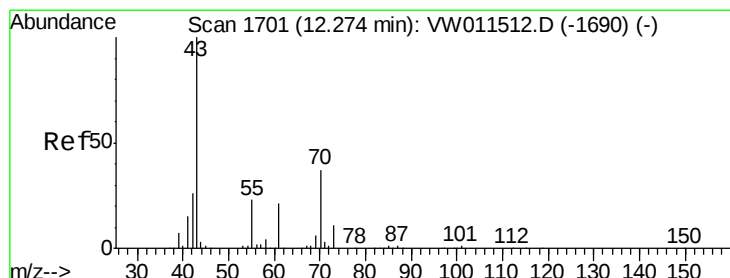
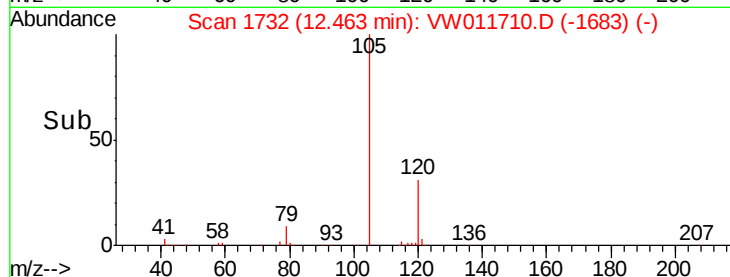
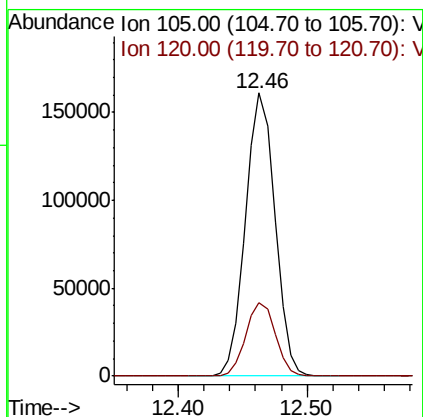
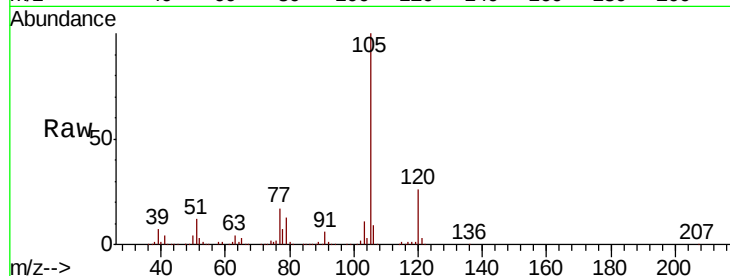
VW0806SBS01

Tot Ion:105 Resp: 254386

Ion Ratio Lower Upper

105 100

120 26.1 12.9 38.7



#74

N-ethyl acetate

Concen: 19.776 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011710.D

Acq: 05 Aug 2019 15:39

Tgt Ion: 43 Resp: 76018

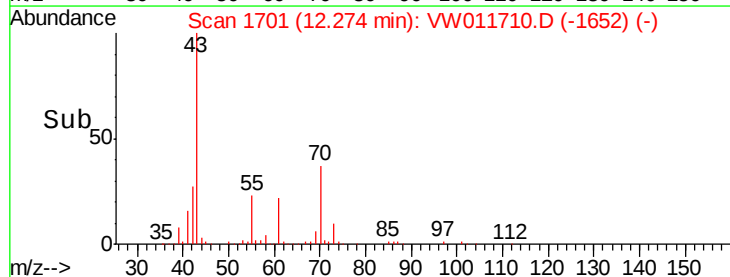
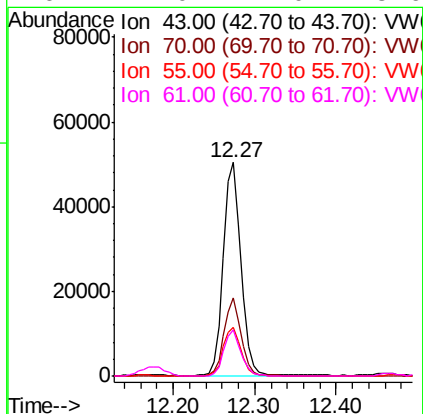
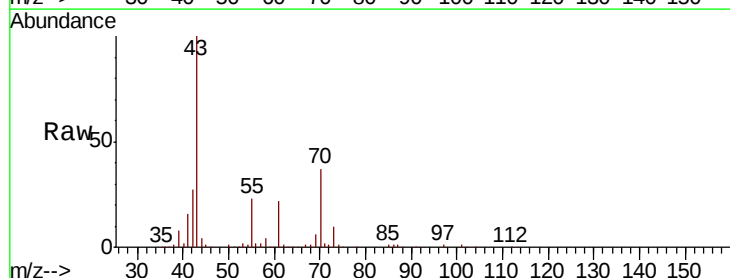
Ion Ratio Lower Upper

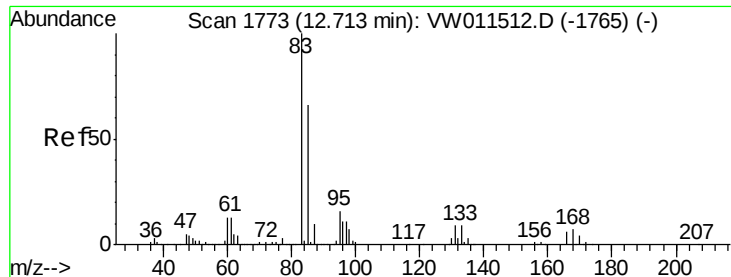
43 100

70 35.3 28.6 43.0

55 23.0 17.8 26.8

61 21.0 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.678 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011710.D

Acq: 05 Aug 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

VW0806SBS01

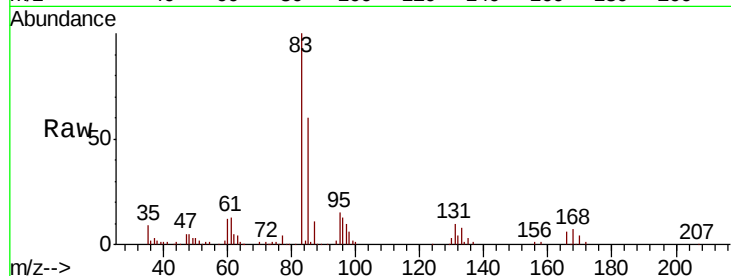
Tot Ion: 83 Resp: 45445

Ion Ratio Lower Upper

83 100

131 10.2 4.9 14.6

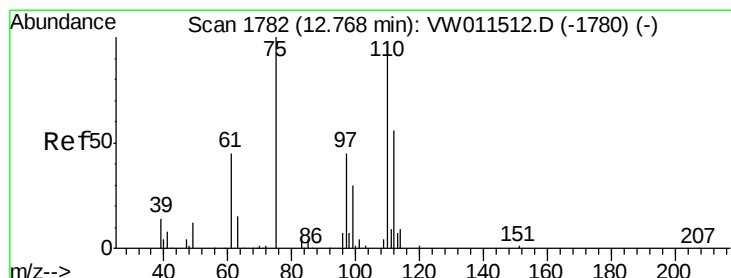
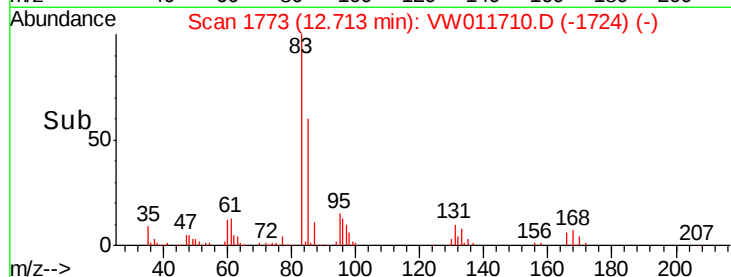
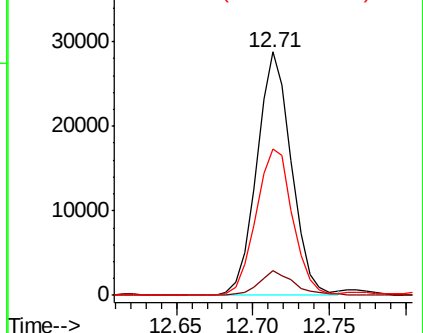
85 63.9 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 18.052 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011710.D

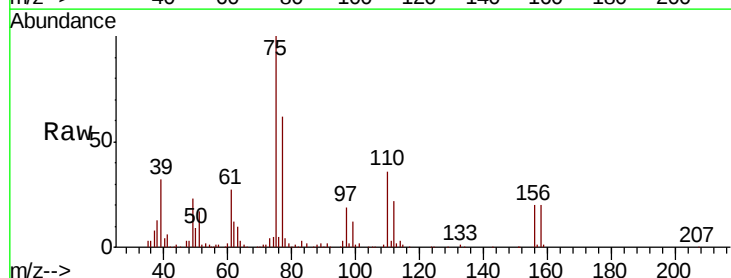
Acq: 05 Aug 2019 15:39

Tgt Ion: 75 Resp: 31436

Ion Ratio Lower Upper

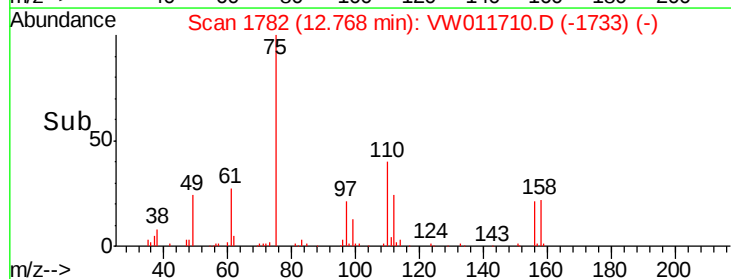
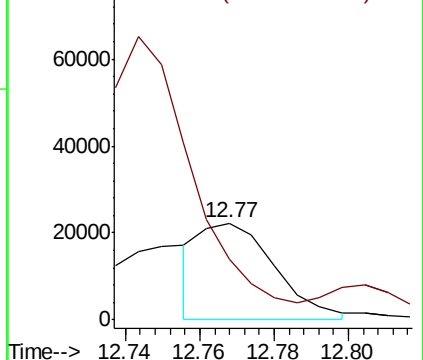
75 100

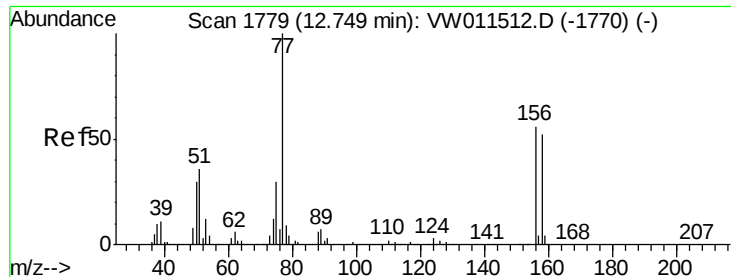
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

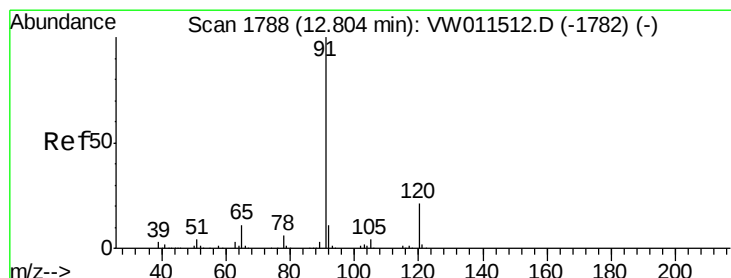
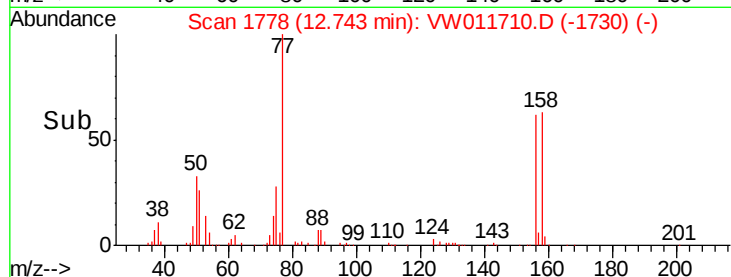
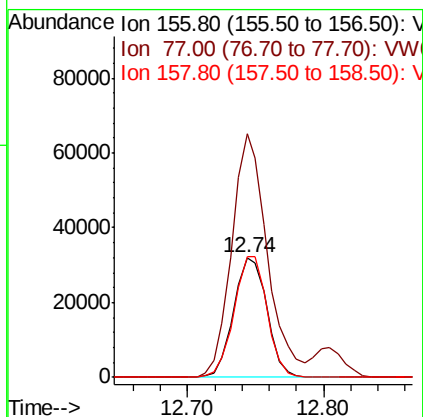
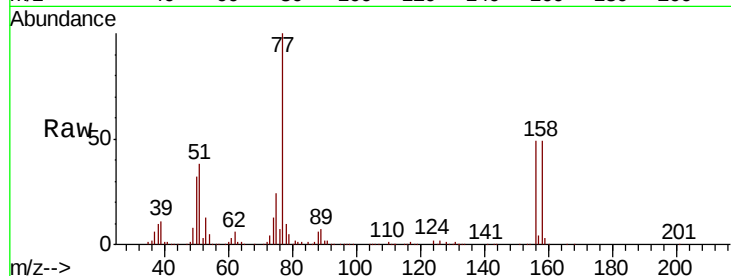




#77
Bromobenzene
Concen: 20.120 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.01 min
Lab File: VW011710.D
Acq: 05 Aug 2019 15:39

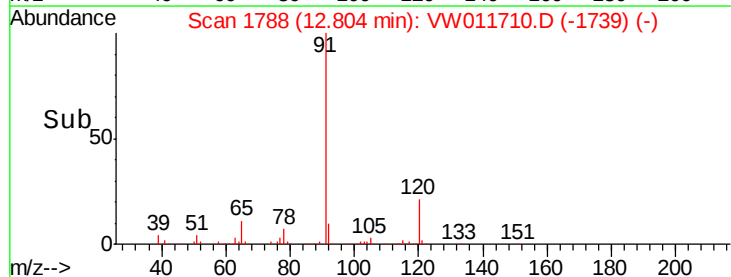
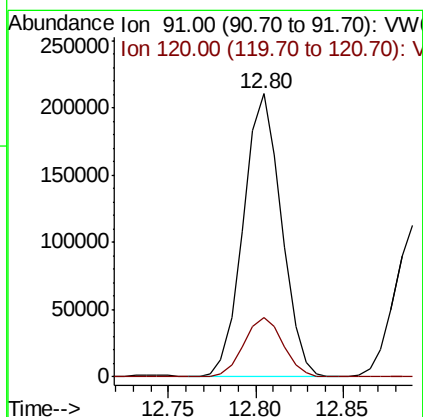
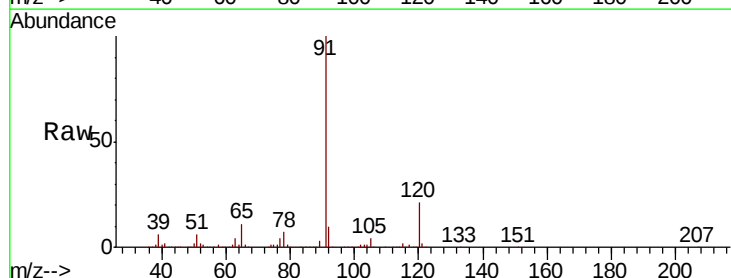
Instrument :
MSVOA_W
ClientSampleId :
VW0806SBS01

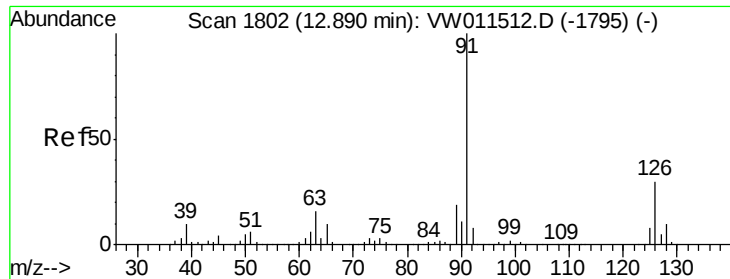
Tot Ion:156 Resp: 54602
Ion Ratio Lower Upper
156 100
77 217.5 106.5 319.4
158 99.7 48.0 144.2



#78
n-propylbenzene
Concen: 21.304 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW011710.D
Acq: 05 Aug 2019 15:39

Tgt Ion: 91 Resp: 318332
Ion Ratio Lower Upper
91 100
120 21.7 10.9 32.7





#79

2-Chlorotoluene

Concen: 20.784 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW011710.D

Acq: 05 Aug 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

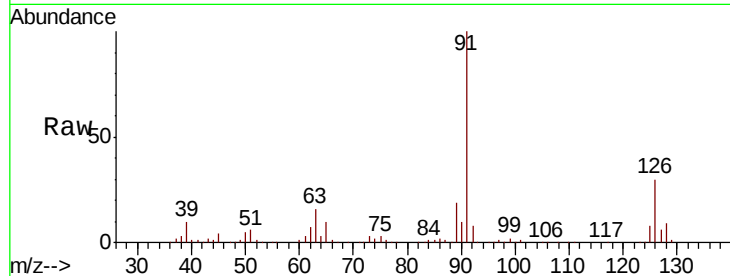
VW0806SBS01

Tot Ion: 91 Resp: 178915

Ion Ratio Lower Upper

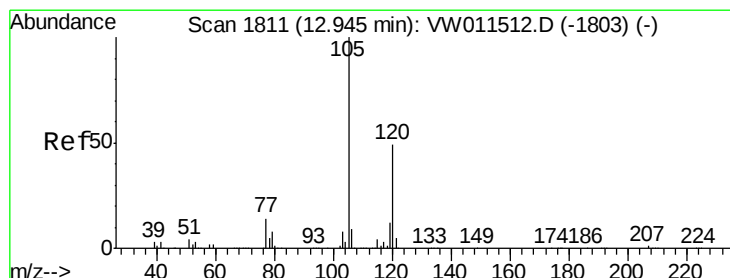
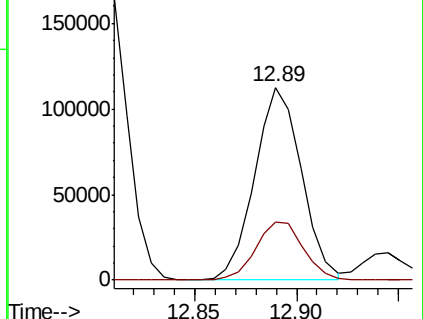
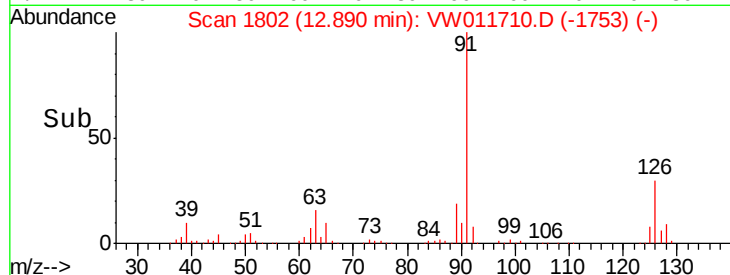
91 100

126 31.1 15.7 47.1



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: 21.237 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011710.D

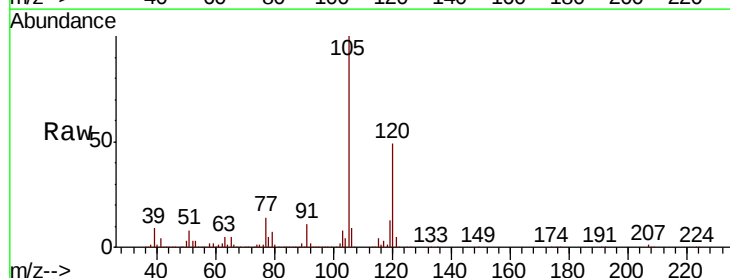
Acq: 05 Aug 2019 15:39

Tgt Ion:105 Resp: 218569

Ion Ratio Lower Upper

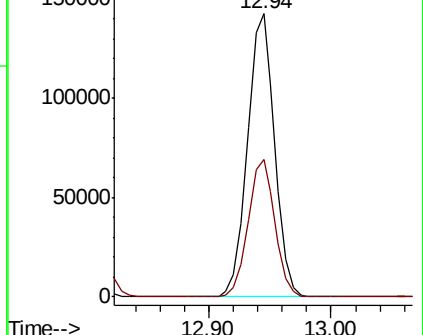
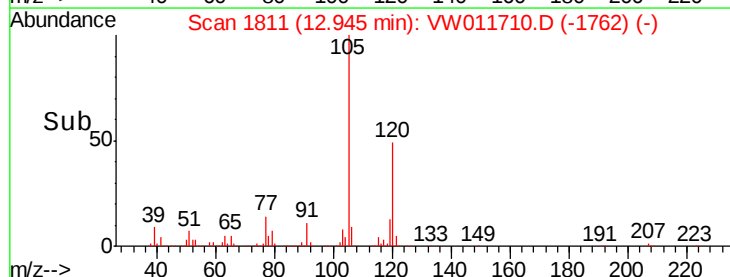
105 100

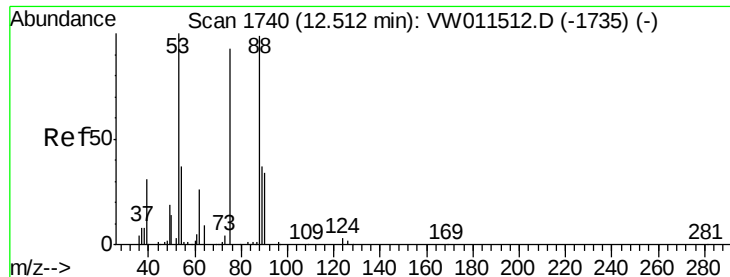
120 48.4 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

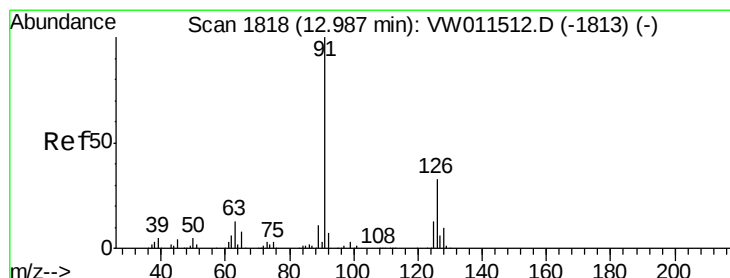
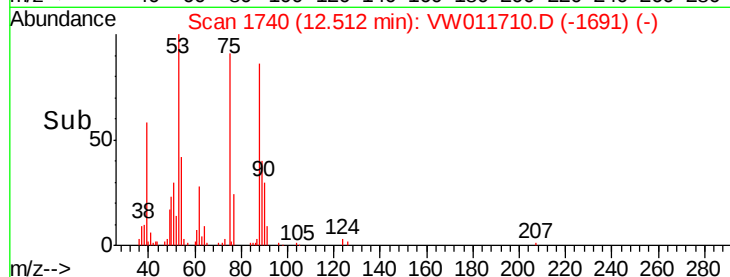
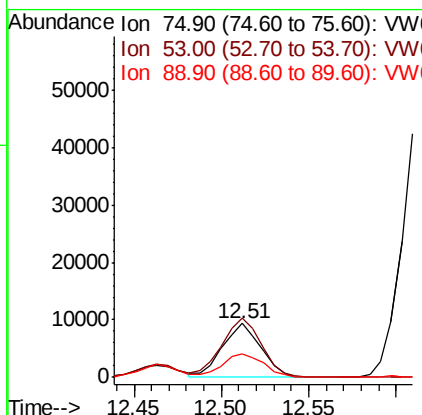
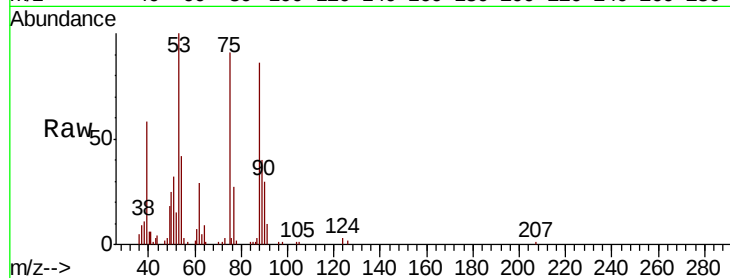




#81
trans-1,4-Dichloro-2-butene
Concen: 18.556 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011710.D
Acq: 05 Aug 2019 15:39

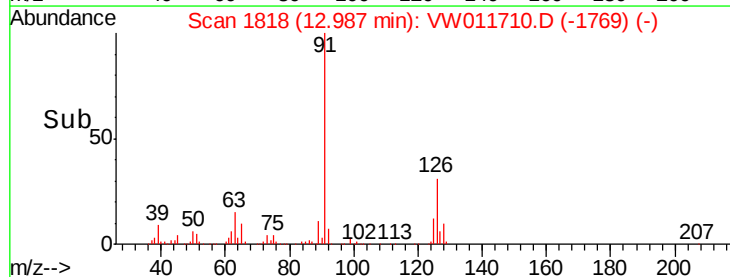
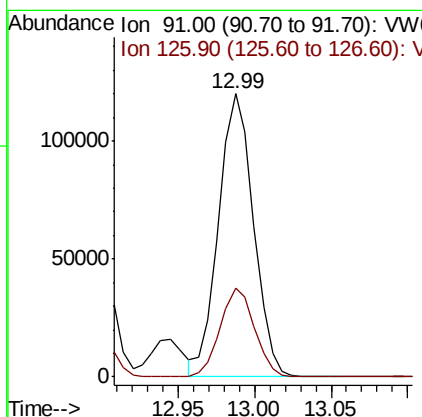
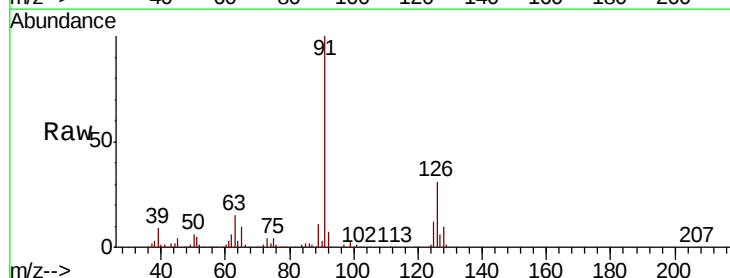
Instrument :
MSVOA_W
ClientSampleId :
VW0806SBS01

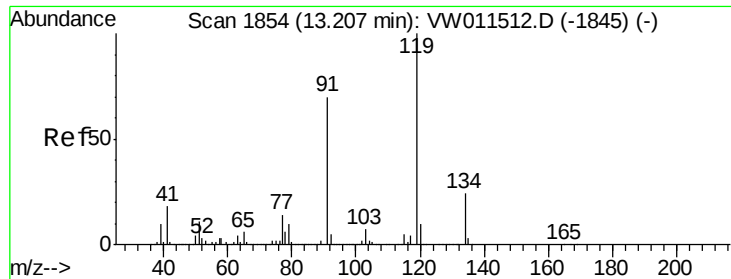
Tot Ion: 75 Resp: 14021
Ion Ratio Lower Upper
75 100
53 118.3 88.0 132.0
89 46.3 35.3 52.9



#82
4-Chlorotoluene
Concen: 21.013 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW011710.D
Acq: 05 Aug 2019 15:39

Tgt Ion: 91 Resp: 189784
Ion Ratio Lower Upper
91 100
126 31.0 15.6 46.8

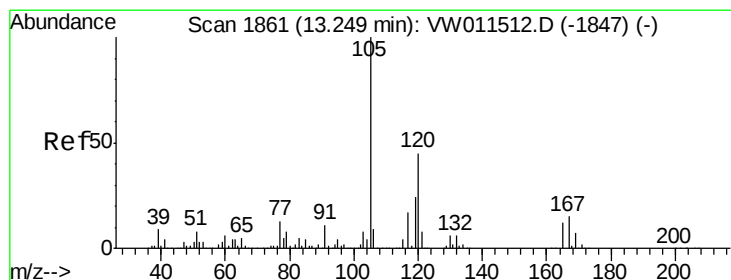
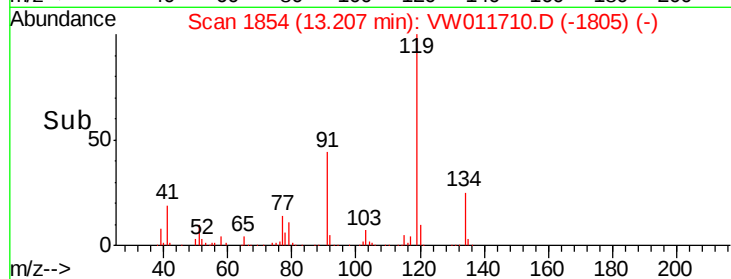
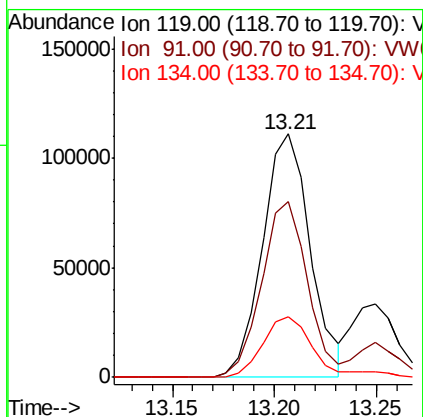
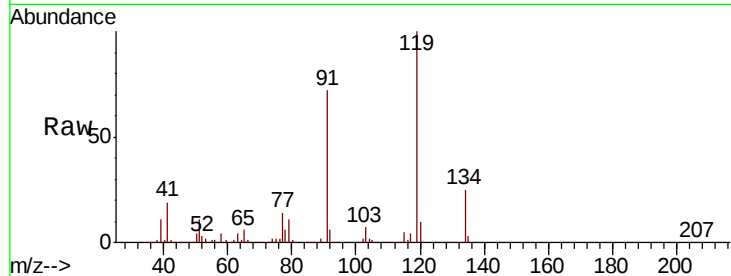




#83
tert-Butylbenzene
Concen: 21.116 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011710.D
Acq: 05 Aug 2019 15:39

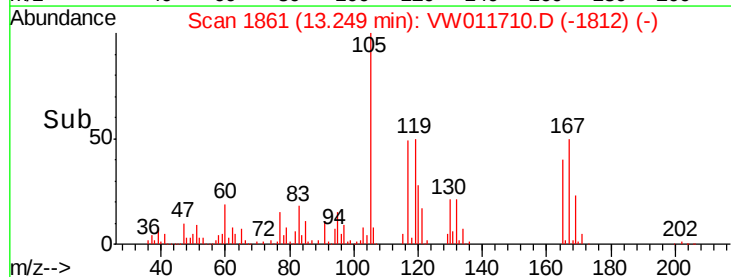
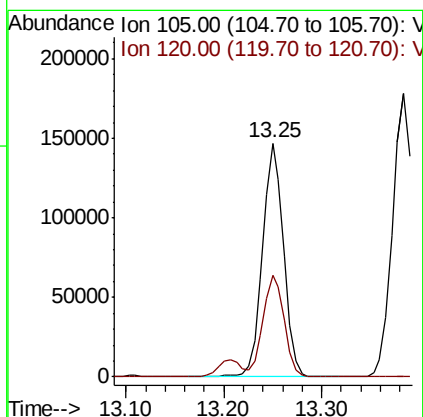
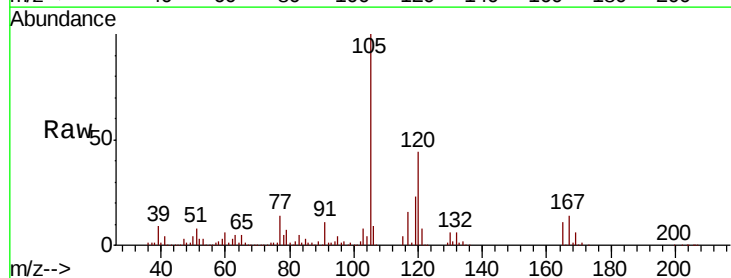
Instrument :
MSVOA_W
ClientSampleId :
VW0806SBS01

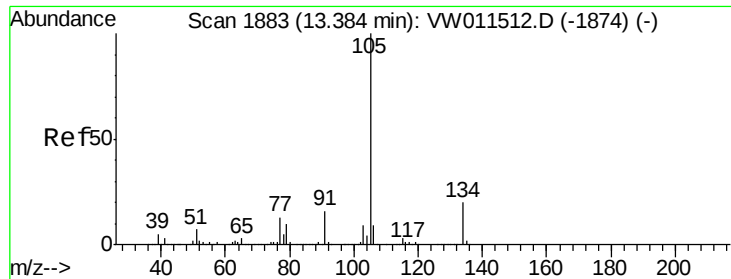
Tot Ion:119 Resp: 181736
Ion Ratio Lower Upper
119 100
91 69.4 34.5 103.6
134 25.1 12.4 37.4



#84
1,2,4-Trimethylbenzene
Concen: 21.341 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011710.D
Acq: 05 Aug 2019 15:39

Tgt Ion:105 Resp: 221253
Ion Ratio Lower Upper
105 100
120 43.7 22.1 66.5

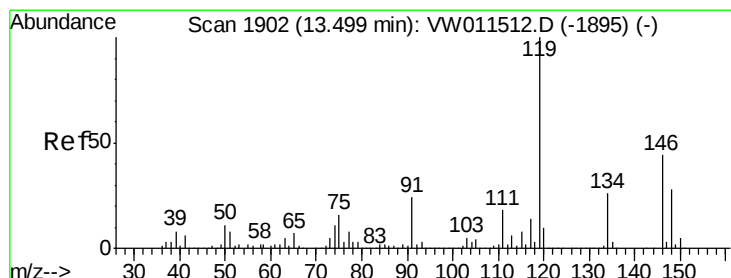
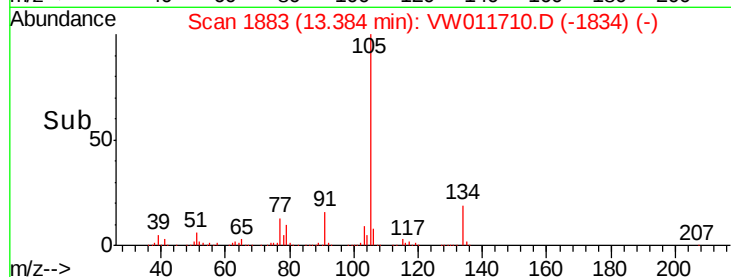
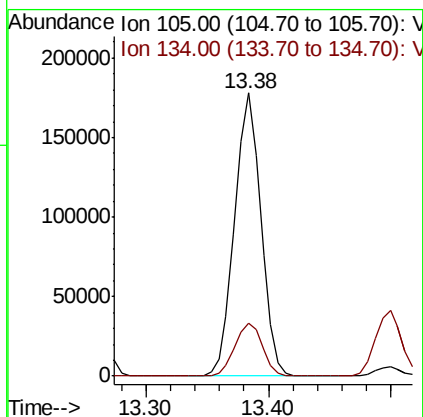
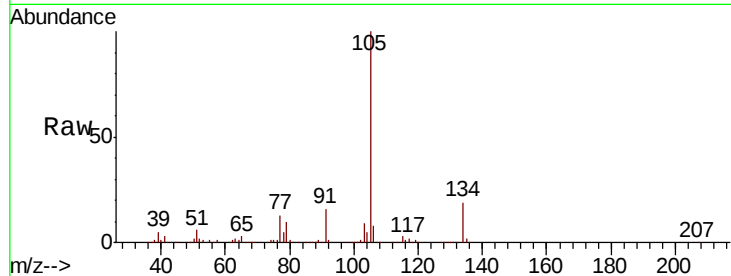




#85
 sec-Butylbenzene
 Concen: 21.591 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW011710.D
 Acq: 05 Aug 2019 15:39

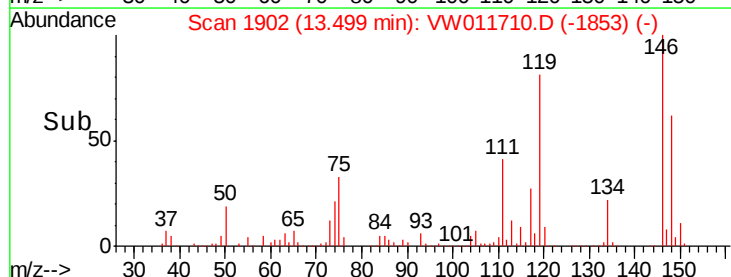
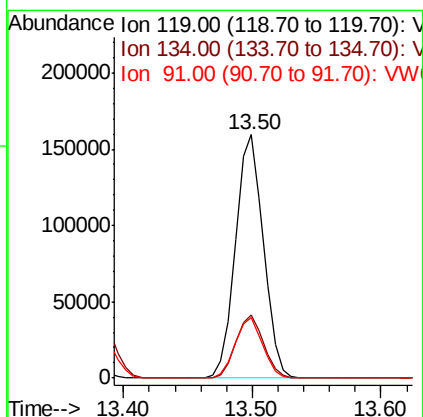
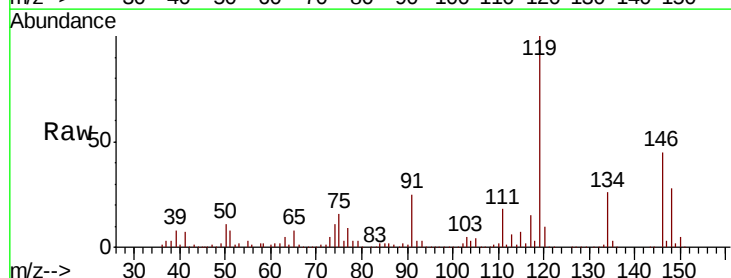
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0806SBS01

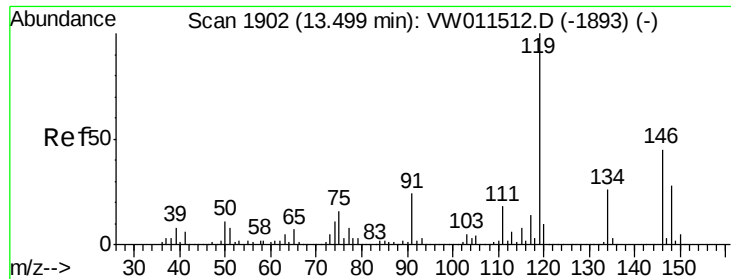
Tot Ion:105 Resp: 265148
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 21.439 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011710.D
 Acq: 05 Aug 2019 15:39

Tgt Ion:119 Resp: 238882
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.8 38.4
 91 24.6 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 21.067 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011710.D

Acq: 05 Aug 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

VW0806SBS01

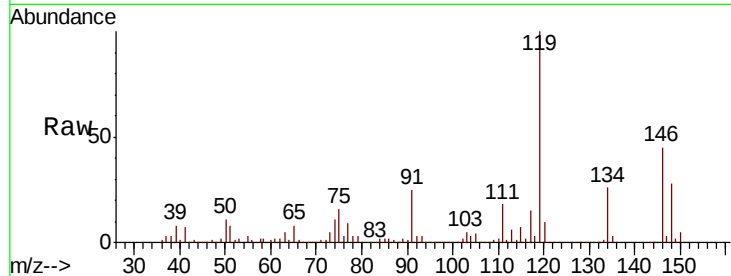
Tot Ion:146 Resp: 112098

Ion Ratio Lower Upper

146 100

111 40.9 20.5 61.6

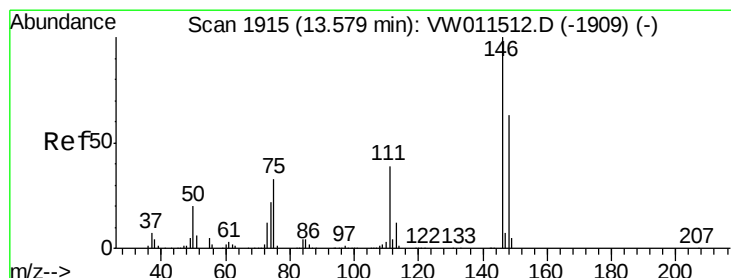
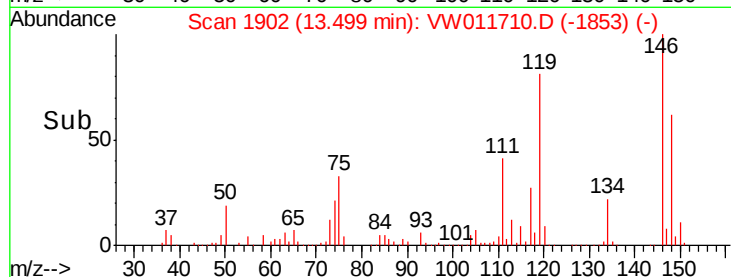
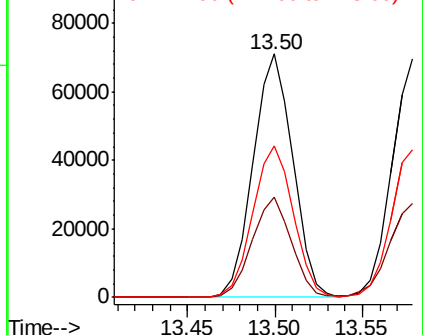
148 63.5 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.756 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW011710.D

Acq: 05 Aug 2019 15:39

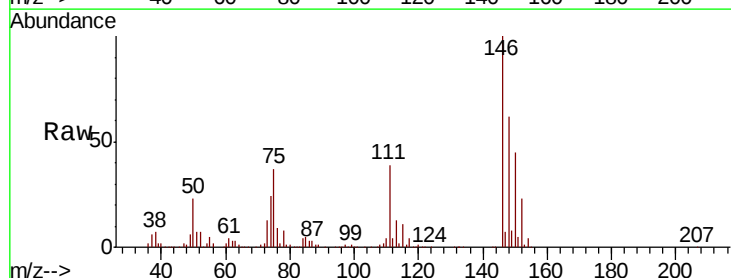
Tgt Ion:146 Resp: 109867

Ion Ratio Lower Upper

146 100

111 41.3 20.1 60.2

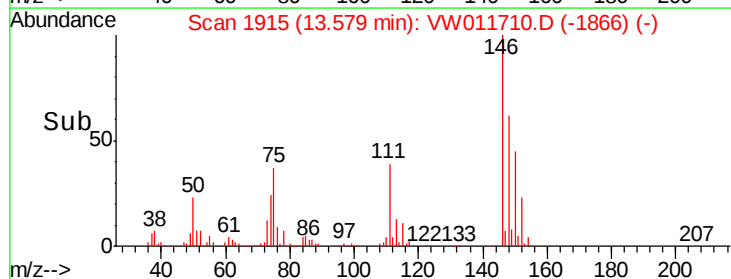
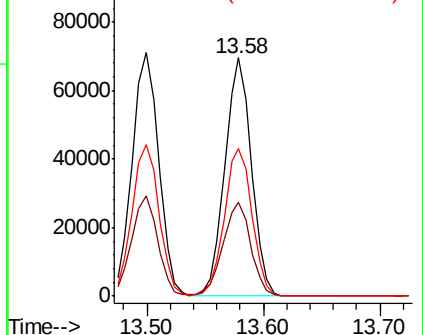
148 64.5 31.9 95.9

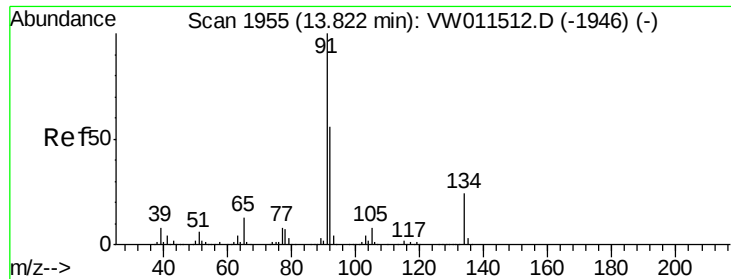


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 22.013 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW011710.D

Acq: 05 Aug 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

VW0806SBS01

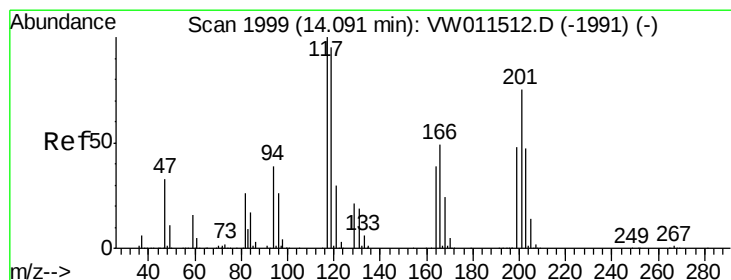
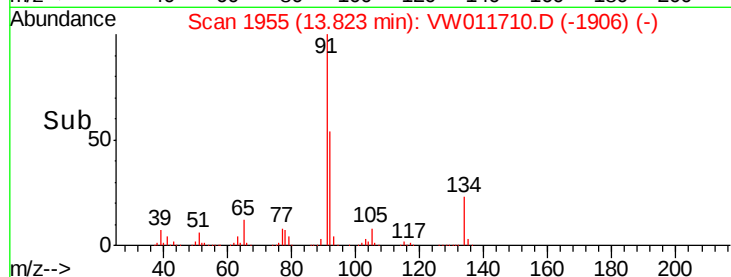
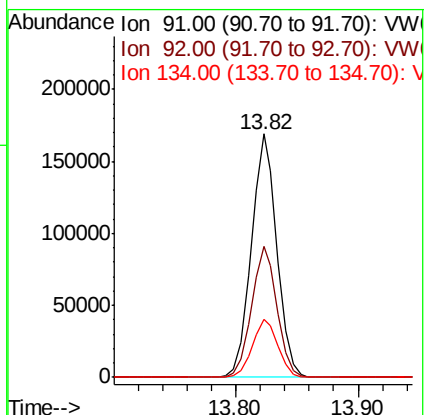
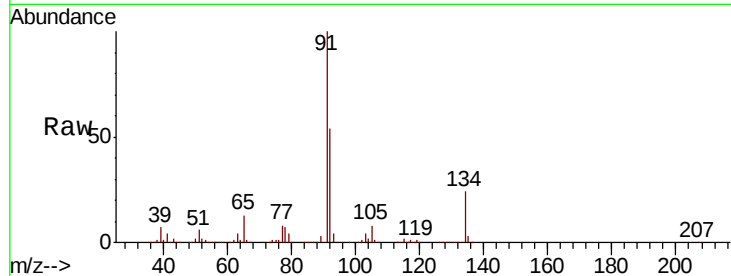
Tot Ion: 91 Resp: 244774

Ion Ratio Lower Upper

91 100

92 53.7 27.5 82.4

134 24.0 12.2 36.6



#90

Hexachloroethane

Concen: 20.568 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW011710.D

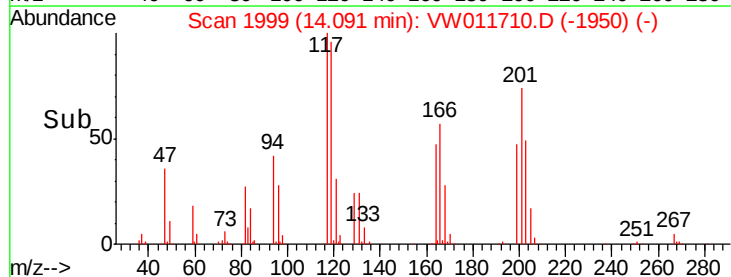
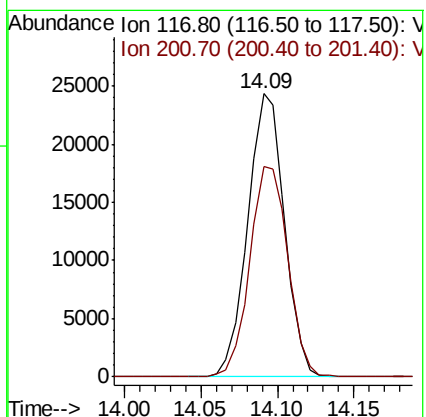
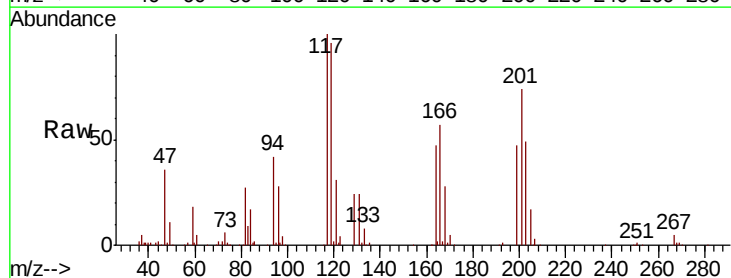
Acq: 05 Aug 2019 15:39

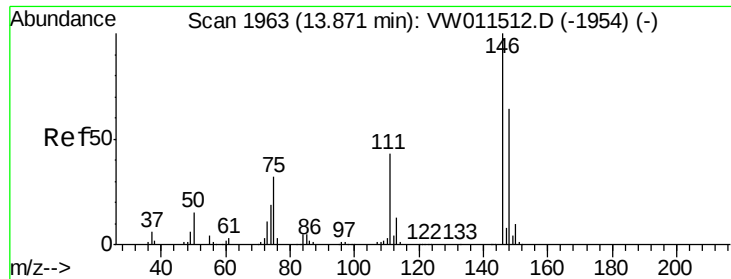
Tgt Ion: 117 Resp: 40525

Ion Ratio Lower Upper

117 100

201 77.2 39.4 118.2

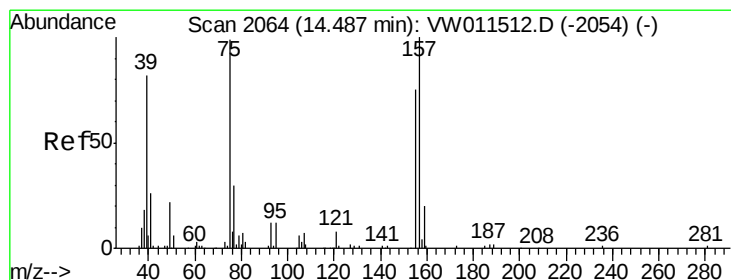
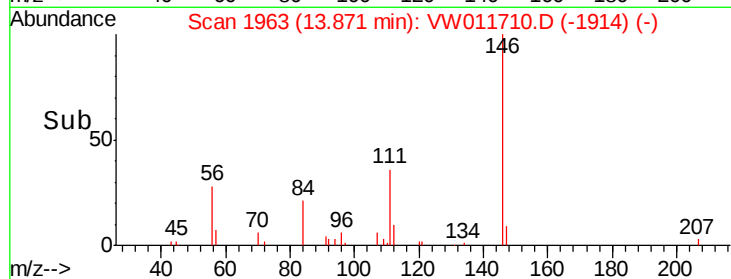
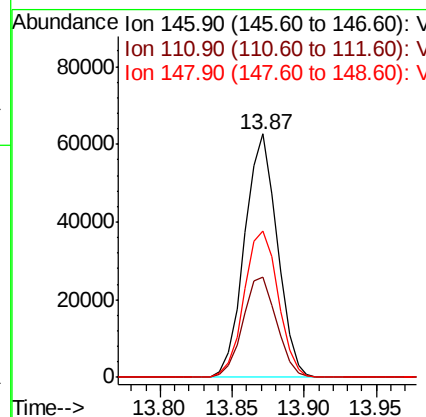
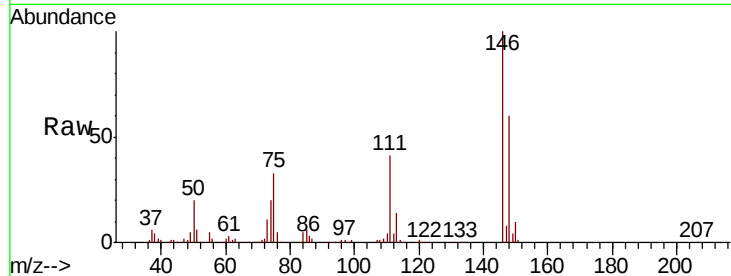




#91
 1,2-Dichlorobenzene
 Concen: 21.008 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011710.D
 Acq: 05 Aug 2019 15:39

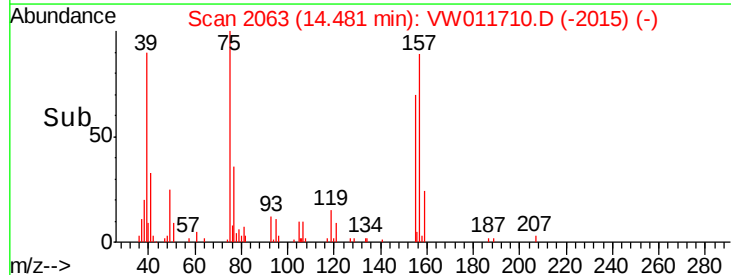
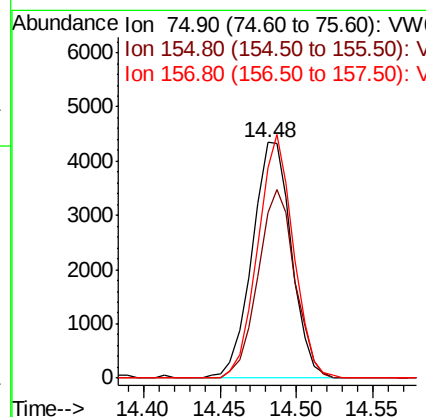
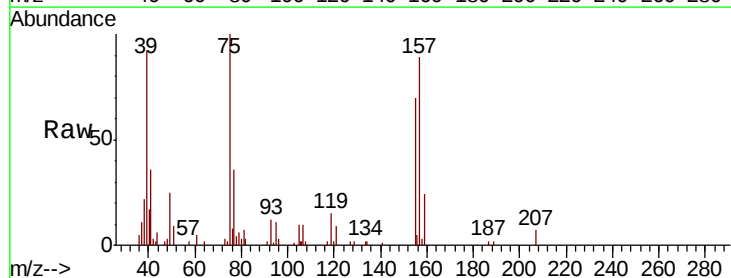
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0806SBS01

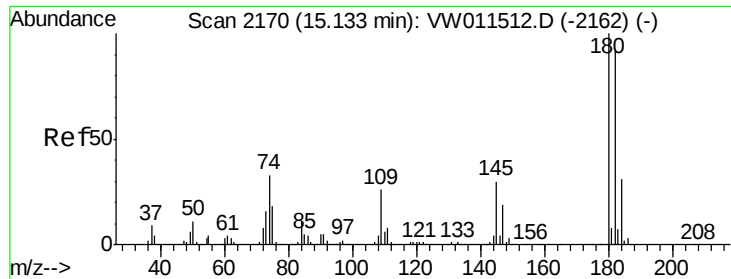
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.6	65.0
148	62.4	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.712 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW011710.D
 Acq: 05 Aug 2019 15:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.3	38.2	114.6
157	93.9	48.9	146.7

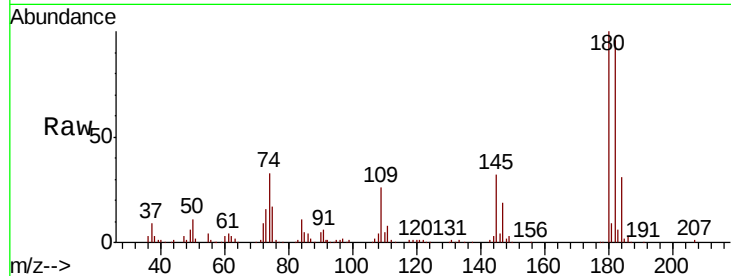




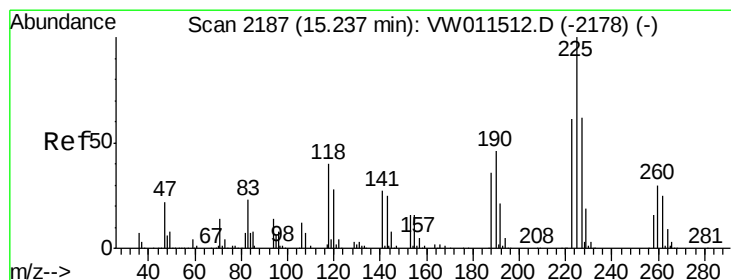
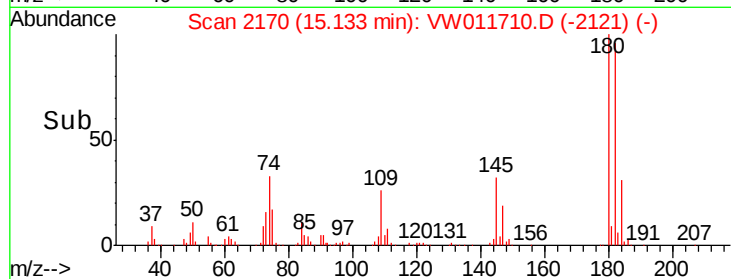
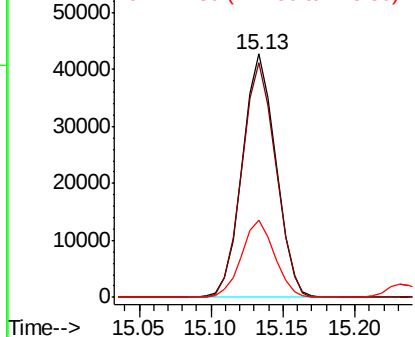
#93
1,2,4-Trichlorobenzene
Concen: 20.754 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VW011710.D
Acq: 05 Aug 2019 15:39

Instrument :
MSVOA_W
ClientSampleId :
VW0806SBS01

Tot Ion:180 Resp: 68837
Ion Ratio Lower Upper
180 100
182 97.5 47.4 142.2
145 31.3 15.4 46.1

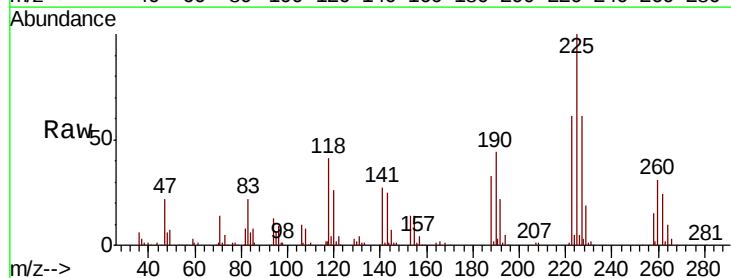


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

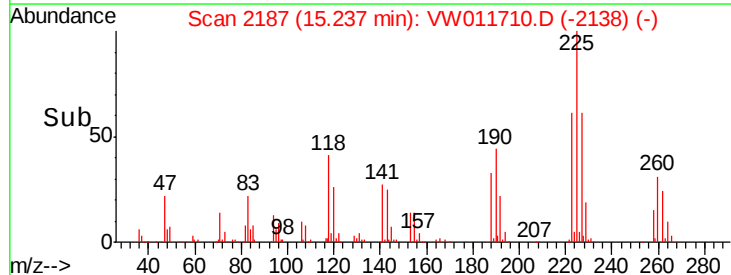
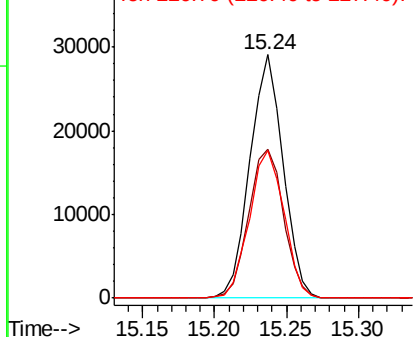


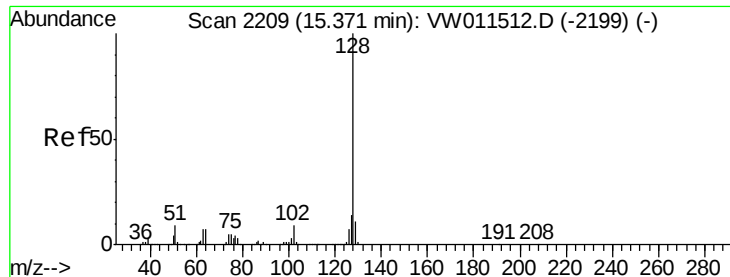
#94
Hexachlorobutadiene
Concen: 22.408 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. 0.00 min
Lab File: VW011710.D
Acq: 05 Aug 2019 15:39

Tgt Ion:225 Resp: 46349
Ion Ratio Lower Upper
225 100
223 64.2 30.8 92.3
227 63.3 31.6 94.7



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.180 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011710.D

Acq: 05 Aug 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

VW0806SBS01

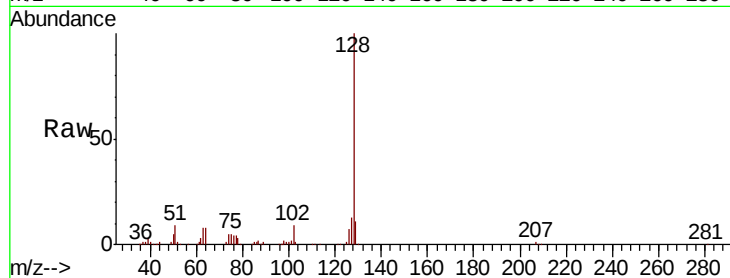
Tot Ion:128 Resp: 115984

Ion Ratio Lower Upper

128 100

127 13.5 10.6 16.0

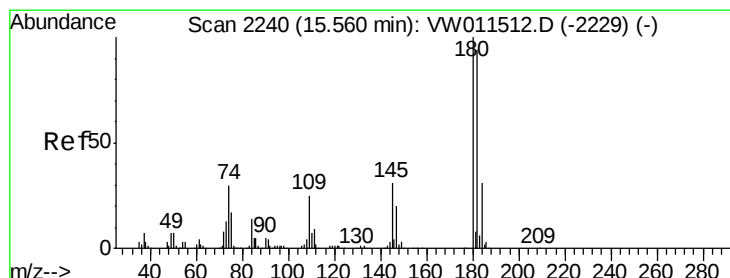
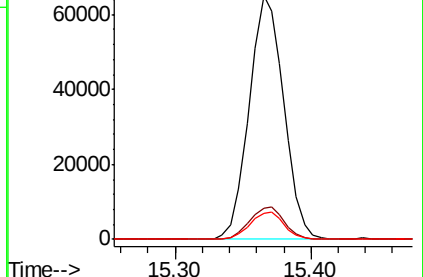
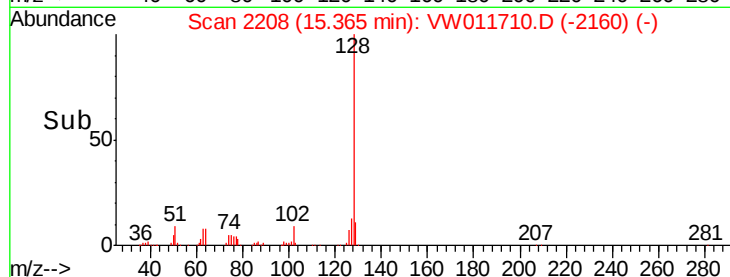
129 11.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.345 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW011710.D

Acq: 05 Aug 2019 15:39

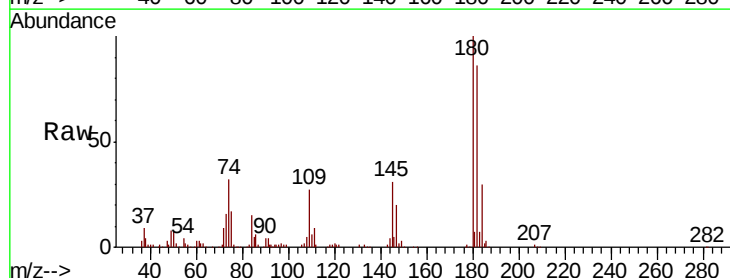
Tgt Ion:180 Resp: 62058

Ion Ratio Lower Upper

180 100

182 93.5 47.4 142.2

145 32.0 15.9 47.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

