

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082019\
 Data File : VW012037.D
 Acq On : 20 Aug 2019 18:45
 Operator : SY/VA
 Sample : VW0820SBSD02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBSD02

Quant Time: Aug 21 01:35:01 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	251579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	405628	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	350958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	169610	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	150124	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
35) Dibromofluoromethane	7.88	113	123919	54.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.90%	
50) Toluene-d8	10.32	98	502165	53.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.80%	
62) 4-Bromofluorobenzene	12.62	95	178057	53.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	31884	22.740	ug/l	97
3) Chloromethane	2.21	50	51547	21.202	ug/l	98
4) Vinyl Chloride	2.36	62	59538	20.341	ug/l	98
5) Bromomethane	2.76	94	31381	19.369	ug/l	100
6) Chloroethane	2.91	64	33321	19.929	ug/l	98
7) Trichlorofluoromethane	3.25	101	28012	21.414	ug/l	95
8) Diethyl Ether	3.68	74	31260	21.076	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	53786	21.675	ug/l	98
10) Methyl Iodide	4.27	142	72015	20.536	ug/l	99
11) Tert butyl alcohol	5.17	59	20165	82.648	ug/l	95
12) 1,1-Dichloroethene	4.04	96	53417	20.387	ug/l	98
13) Acrolein	3.89	56	11394	54.969	ug/l	94
14) Allyl chloride	4.67	41	112895	20.259	ug/l	99
15) Acrylonitrile	5.37	53	75730	102.284	ug/l	99
16) Acetone	4.12	43	73111	79.561	ug/l	99
17) Carbon Disulfide	4.38	76	152034	18.540	ug/l	99
18) Methyl Acetate	4.67	43	42912	20.787	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	89321	21.483	ug/l	100
20) Methylene Chloride	4.92	84	67342	21.249	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	58030	20.543	ug/l	97
22) Diisopropyl ether	6.31	45	223550	21.277	ug/l	95
23) Vinyl Acetate	6.25	43	676533	102.476	ug/l	100
24) 1,1-Dichloroethane	6.21	63	117651	20.908	ug/l	99
25) 2-Butanone	7.17	43	110409	91.820	ug/l	100
26) 2,2-Dichloropropane	7.17	77	64040	18.506	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	64273	20.674	ug/l	98
28) Bromochloromethane	7.51	49	54907	21.984	ug/l #	98
29) Tetrahydrofuran	7.53	42	71121	103.475	ug/l	99
30) Chloroform	7.67	83	109702	21.132	ug/l	96
31) Cyclohexane	7.95	56	110325	20.425	ug/l #	92
32) 1,1,1-Trichloroethane	7.87	97	84791	21.447	ug/l	99
36) 1,1-Dichloropropene	8.08	75	88851	21.066	ug/l	98
37) Ethyl Acetate	7.26	43	50631	20.865	ug/l	98
38) Carbon Tetrachloride	8.07	117	75904	21.022	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	98796	21.273	ug/l	96
40) Benzene	8.32	78	247783	20.973	ug/l	99
41) Methacrylonitrile	7.48	41	29027	20.011	ug/l	98
42) 1,2-Dichloroethane	8.40	62	76864	20.780	ug/l	99
43) Isopropyl Acetate	8.42	43	94253	21.120	ug/l	99
44) Trichloroethene	9.09	130	60592	21.339	ug/l	100
45) 1,2-Dichloropropane	9.37	63	67141	21.240	ug/l	99
46) Dibromomethane	9.46	93	29717	20.597	ug/l	98
47) Bromodichloromethane	9.65	83	78351	20.702	ug/l	98
48) Methyl methacrylate	9.44	41	44178	20.608	ug/l	95
49) 1,4-Dioxane	9.45	88	9847	471.359	ug/l	91
51) 4-Methyl-2-Pentanone	10.21	43	241525	104.048	ug/l	99
52) Toluene	10.39	92	150725	21.126	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	80664	20.403	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	96605	20.551	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	43195	21.101	ug/l	98
56) Ethyl methacrylate	10.65	69	62782	20.958	ug/l	98
57) 1,3-Dichloropropane	10.93	76	80321	20.739	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	170029	125.012	ug/l	100
59) 2-Hexanone	10.97	43	164256	100.219	ug/l	98
60) Dibromochloromethane	11.13	129	46647	20.528	ug/l	99
61) 1,2-Dibromoethane	11.23	107	39746	20.517	ug/l	99
64) Tetrachloroethene	10.86	164	50061	21.907	ug/l	99
65) Chlorobenzene	11.66	112	151152	21.422	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	52230	21.251	ug/l	99
67) Ethyl Benzene	11.73	91	288952	21.502	ug/l	99
68) m/p-Xylenes	11.84	106	208439	42.651	ug/l	100
69) o-Xylene	12.16	106	98860	21.769	ug/l	100
70) Styrene	12.18	104	170623	21.730	ug/l	99
71) Bromoform	12.35	173	25782	20.574	ug/l #	98
73) Isopropylbenzene	12.46	105	273355	21.603	ug/l	99
74) N-amyl acetate	12.27	43	83782	21.149	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	51268	21.540	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	67212	37.451	ug/l #	100
77) Bromobenzene	12.75	156	60181	21.518	ug/l	98
78) n-propylbenzene	12.80	91	332636	21.601	ug/l	100
79) 2-Chlorotoluene	12.89	91	188017	21.193	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	227750	21.472	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	16136	20.721	ug/l	97
82) 4-Chlorotoluene	12.99	91	197919	21.263	ug/l	100
83) tert-Butylbenzene	13.21	119	194242	21.899	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	228301	21.367	ug/l	100
85) sec-Butylbenzene	13.38	105	277011	21.888	ug/l	99
86) p-Isopropyltoluene	13.50	119	245395	21.370	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	116101	21.171	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	114841	21.052	ug/l	98
89) n-Butylbenzene	13.82	91	241819	21.102	ug/l	99
90) Hexachloroethane	14.09	117	42502	20.932	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	102393	21.111	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8306	20.465	ug/l	97

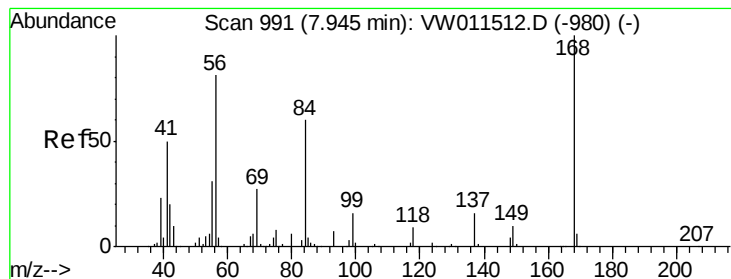
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082019\
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Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	69869	20.440	ug/l	99
94) Hexachlorobutadiene	15.24	225	45566	21.375	ug/l	98
95) Naphthalene	15.36	128	126244	20.141	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	62272	20.783	ug/l	98

(#) = 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: VW012037.D

Acq: 20 Aug 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

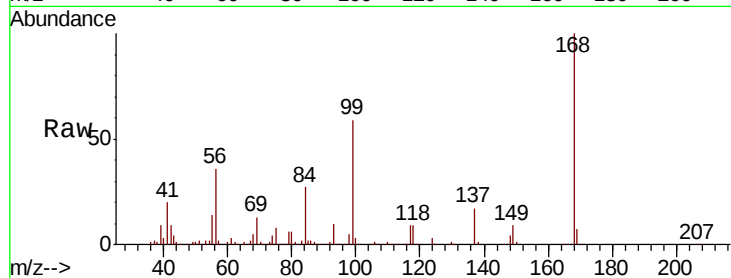
VW0820SBSD02

Tgt Ion:168 Resp: 251579

Ion Ratio Lower Upper

168 100

99 59.2 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

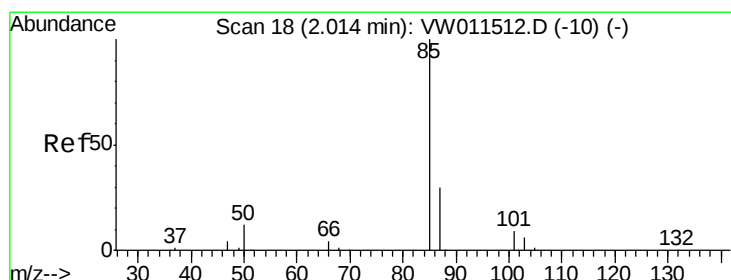
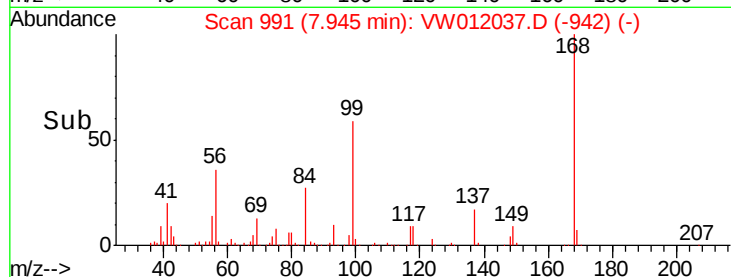
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 22.740 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012037.D

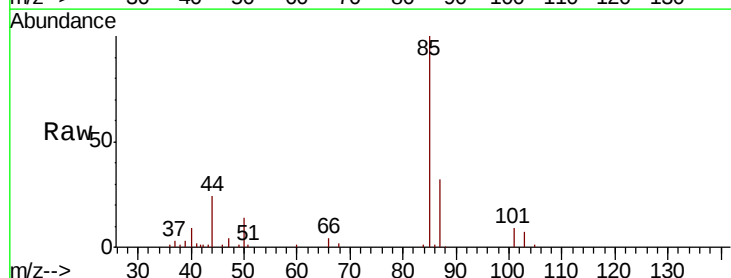
Acq: 20 Aug 2019 18:45

Tgt Ion: 85 Resp: 31884

Ion Ratio Lower Upper

85 100

87 31.9 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

12000

10000

8000

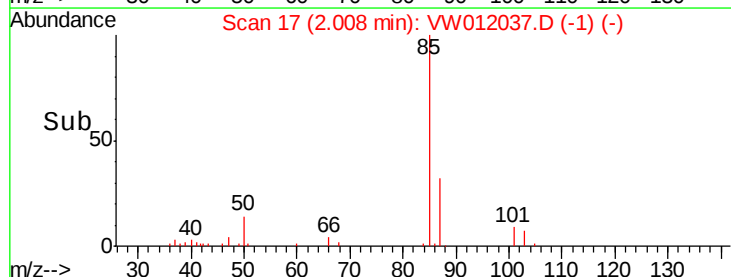
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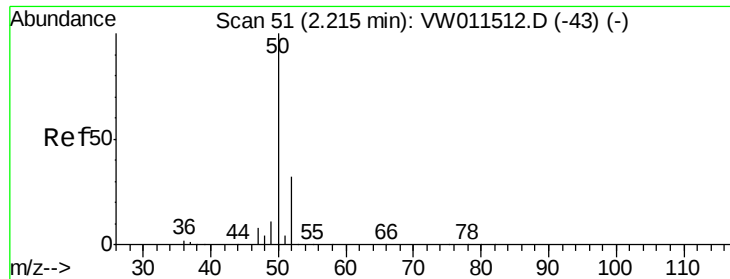
4000

2000

0

Time--> 1.90 2.00 2.10 2.20

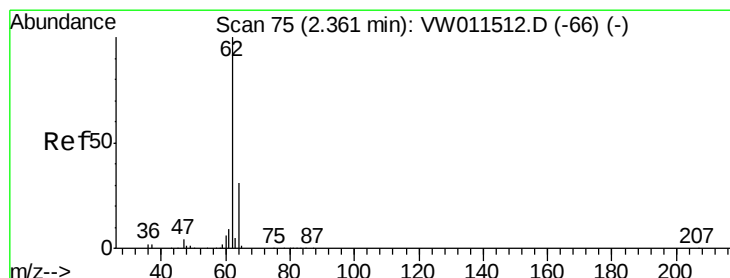
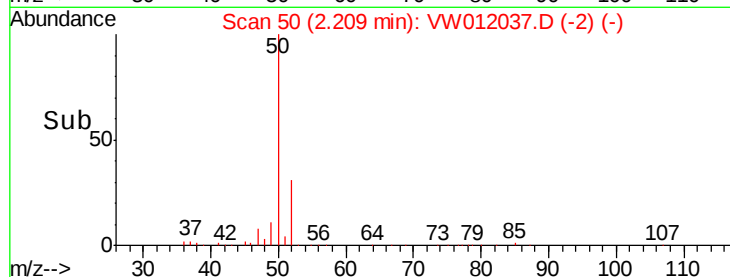
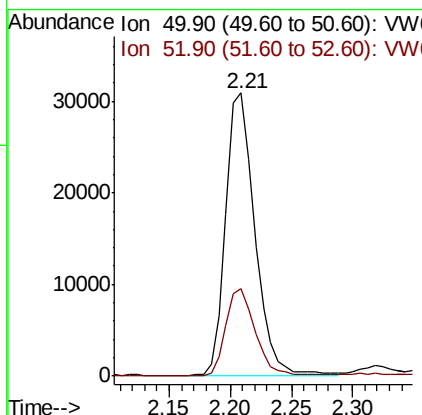
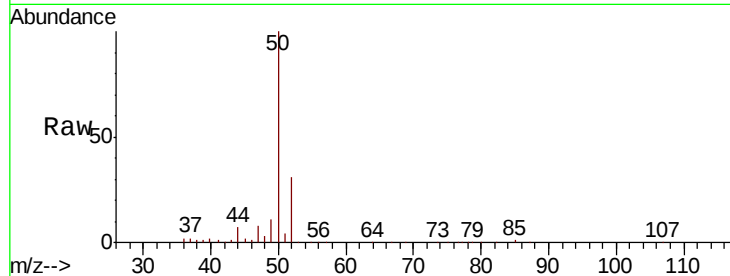




#3
Chloromethane
Concen: 21.202 ug/l
RT: 2.21 min Scan# 50
Delta R.T. -0.01 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

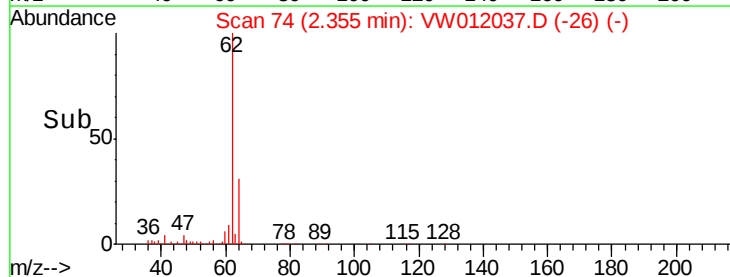
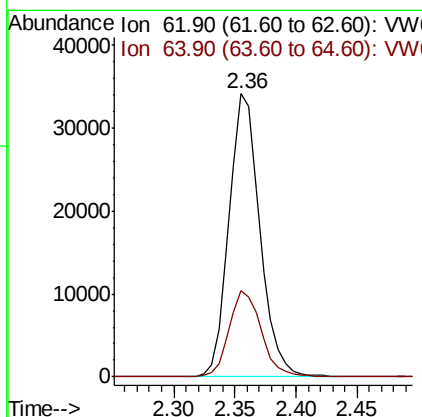
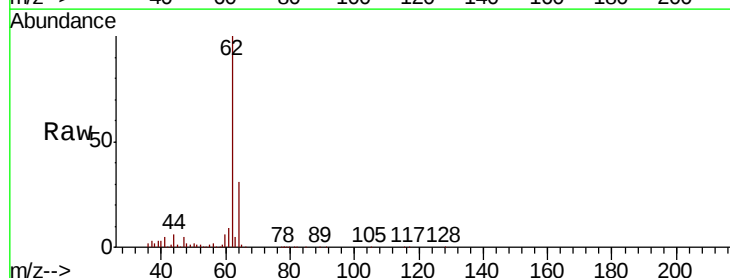
Instrument :
MSVOA_W
ClientSampleId :
VW0820SBSD02

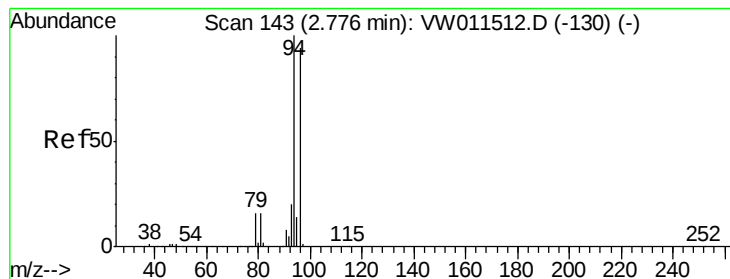
Tgt Ion: 50 Resp: 51547
Ion Ratio Lower Upper
50 100
52 30.9 25.4 38.2



#4
Vinyl Chloride
Concen: 20.341 ug/l
RT: 2.36 min Scan# 74
Delta R.T. -0.01 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

Tgt Ion: 62 Resp: 59538
Ion Ratio Lower Upper
62 100
64 30.3 25.0 37.4





#5

Bromomethane

Concen: 19.369 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

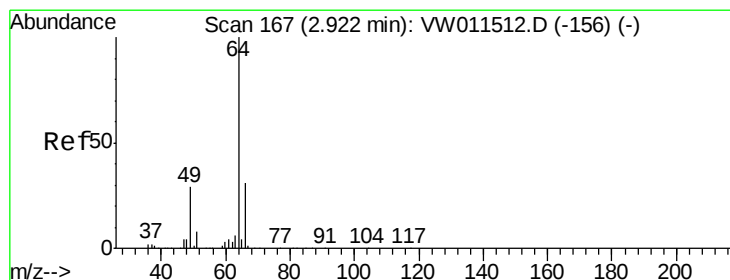
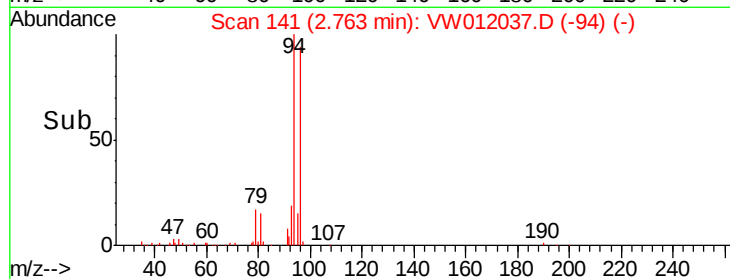
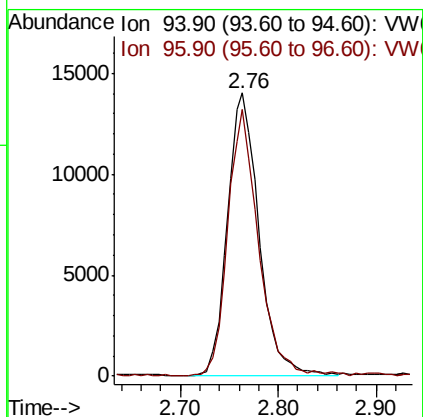
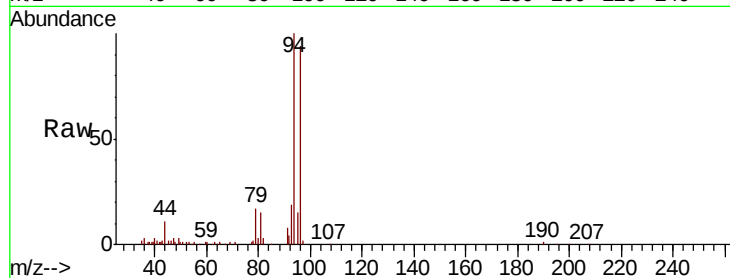
VW0820SBSD02

Tgt Ion: 94 Resp: 31381

Ion Ratio Lower Upper

94 100

96 94.3 75.0 112.6



#6

Chloroethane

Concen: 19.929 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW012037.D

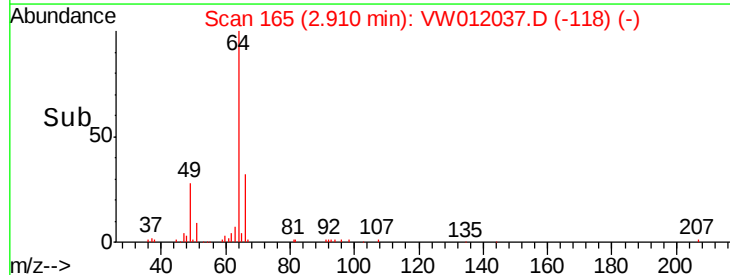
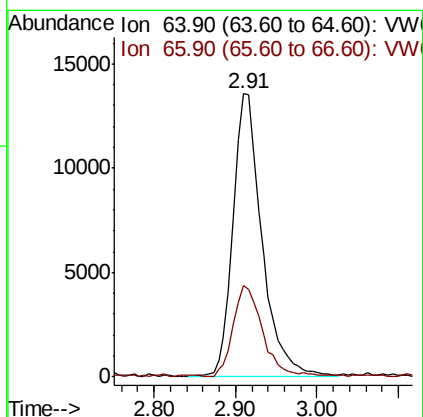
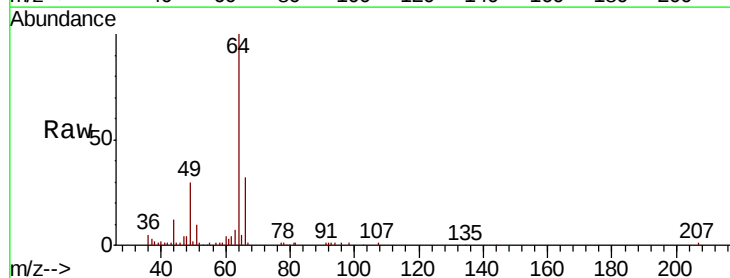
Acq: 20 Aug 2019 18:45

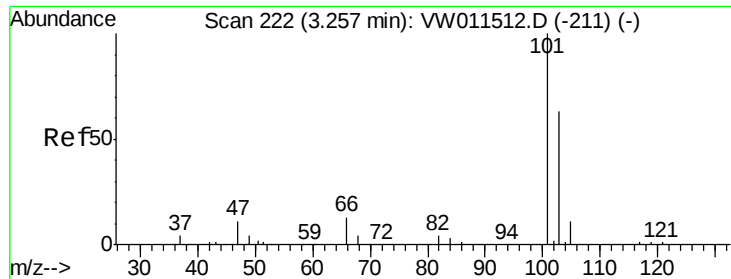
Tgt Ion: 64 Resp: 33321

Ion Ratio Lower Upper

64 100

66 31.8 24.6 36.8



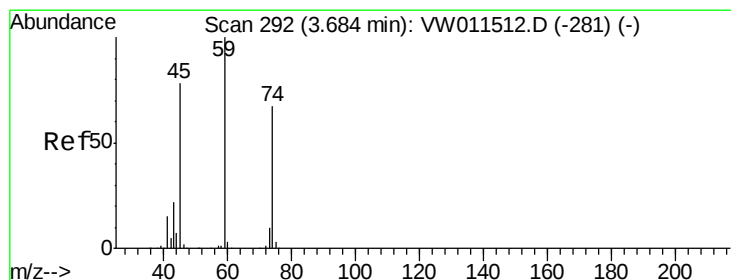
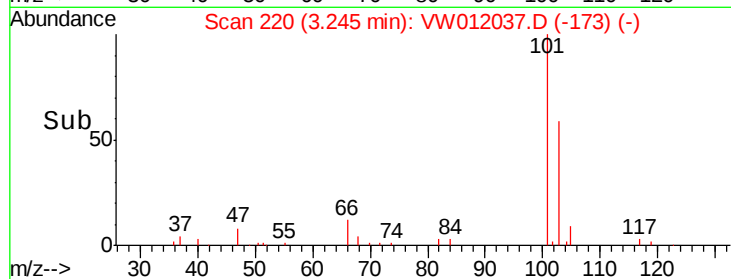
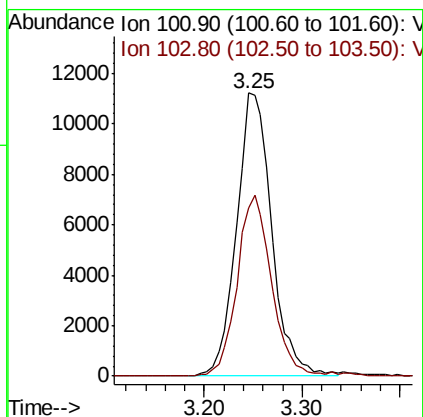
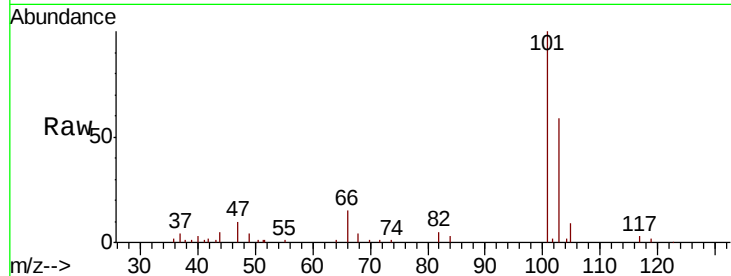


#7

Trichlorofluoromethane
 Concen: 21.414 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS02

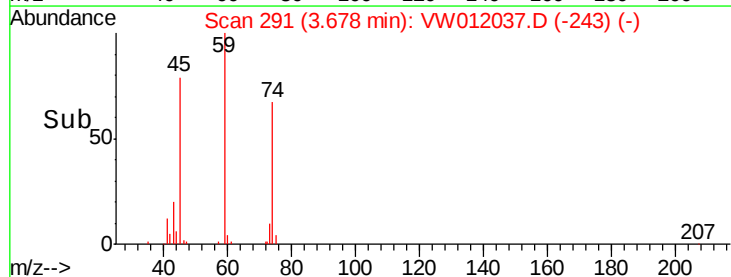
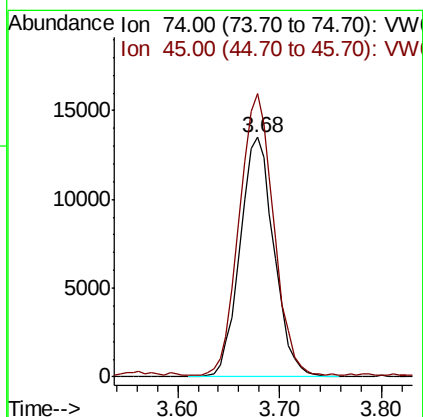
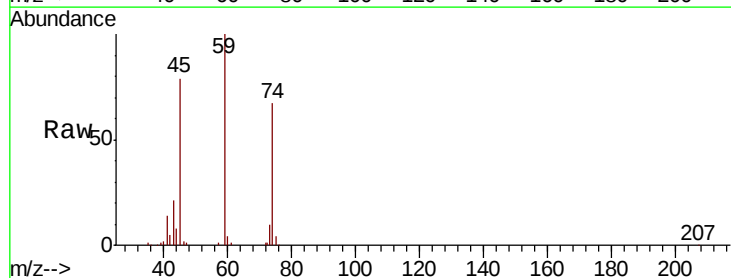
Tgt Ion: 101 Resp: 28012
 Ion Ratio Lower Upper
 101 100
 103 59.2 50.2 75.4

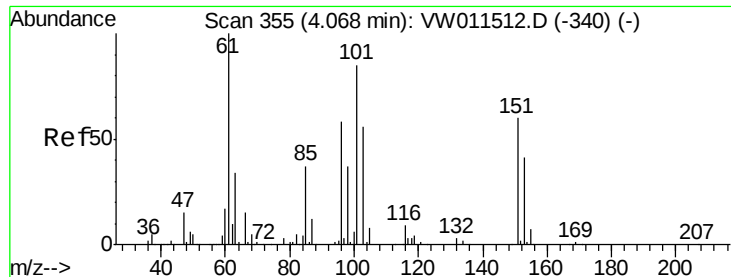


#8

Diethyl Ether
 Concen: 21.076 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

Tgt Ion: 74 Resp: 31260
 Ion Ratio Lower Upper
 74 100
 45 118.9 59.6 178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.675 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBSD02

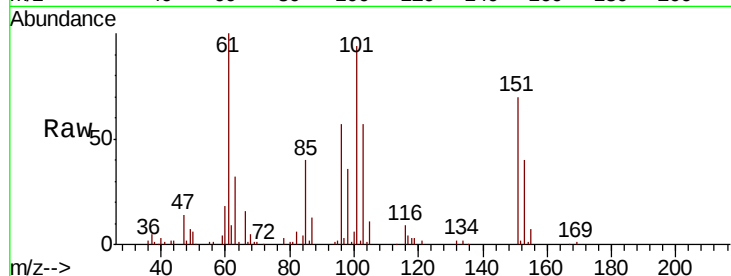
Tgt Ion:101 Resp: 53786

Ion Ratio Lower Upper

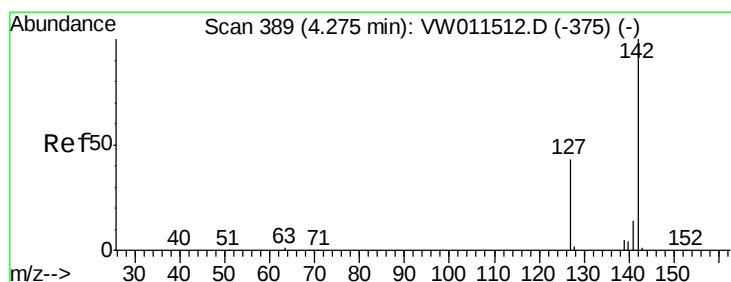
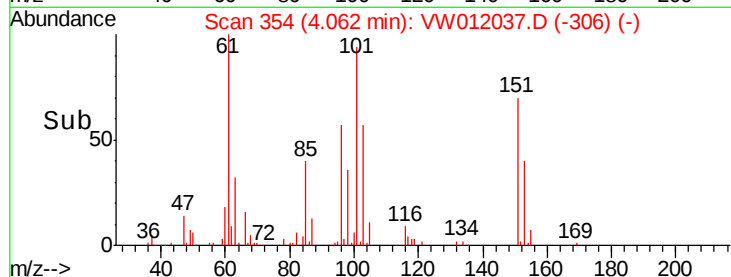
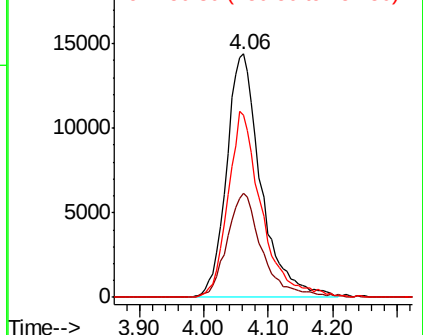
101 100

85 43.7 36.6 54.8

151 74.3 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: 20.536 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

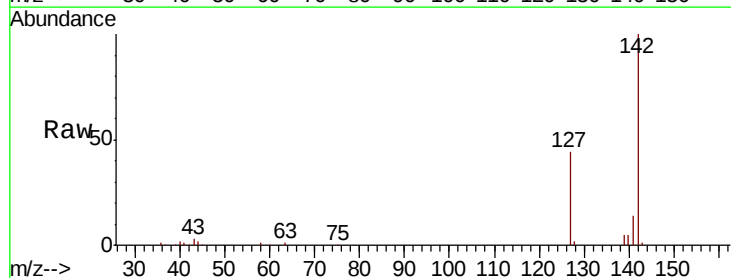
Tgt Ion:142 Resp: 72015

Ion Ratio Lower Upper

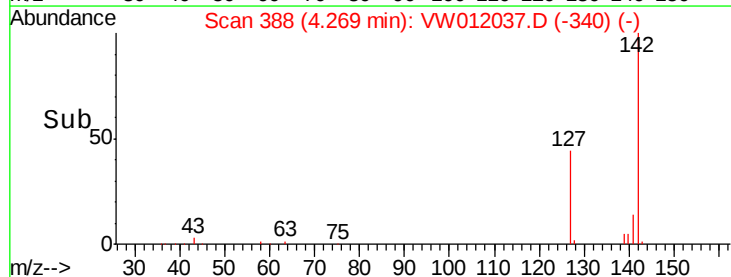
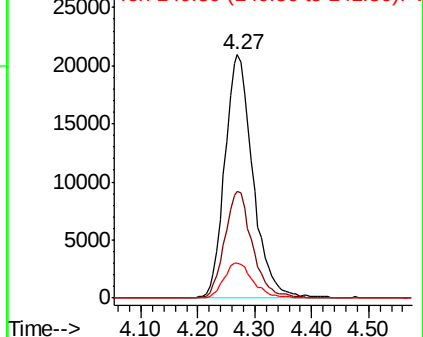
142 100

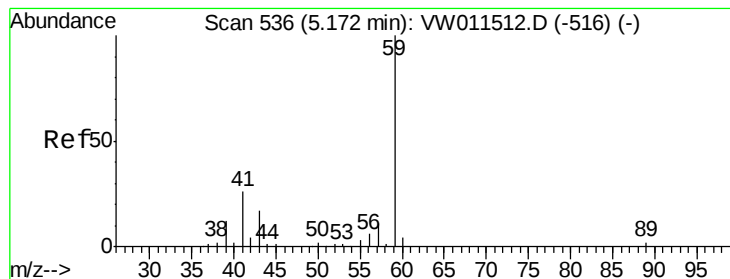
127 43.3 35.0 52.6

141 14.8 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



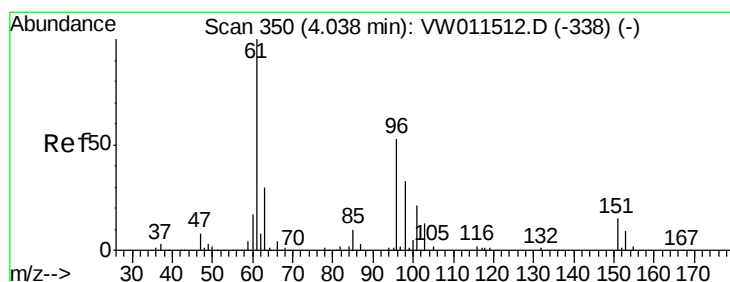
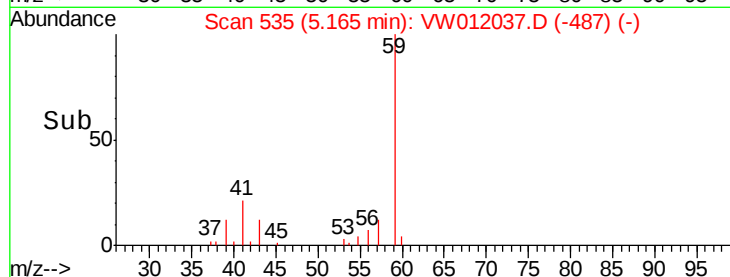
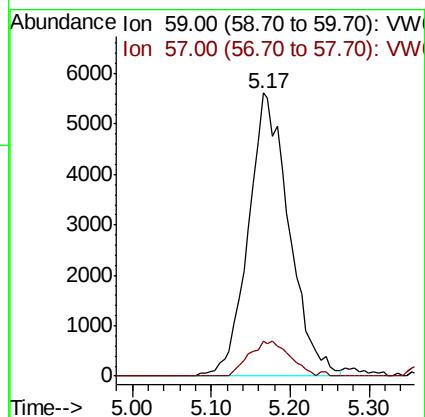
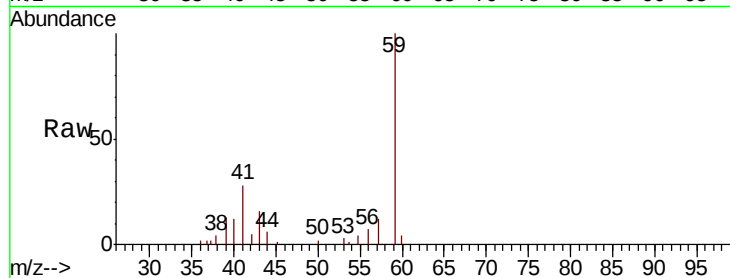


#11

Tert butyl alcohol
 Concen: 82.648 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBSD02

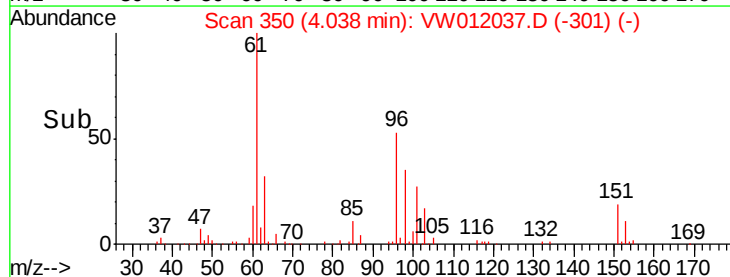
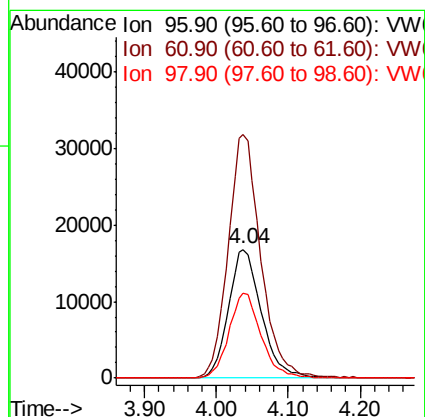
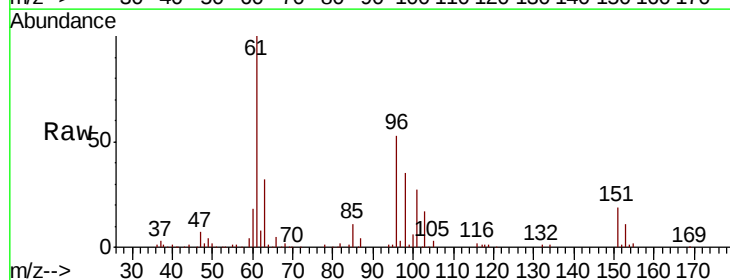
Tgt Ion: 59 Resp: 20165
 Ion Ratio Lower Upper
 59 100
 57 12.4 8.5 12.7

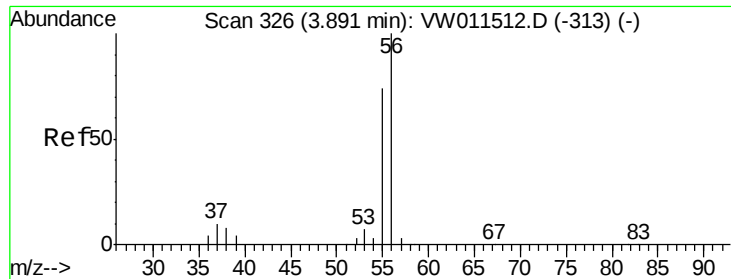


#12

1,1-Dichloroethene
 Concen: 20.387 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

Tgt Ion: 96 Resp: 53417
 Ion Ratio Lower Upper
 96 100
 61 188.9 149.9 224.9
 98 66.0 49.1 73.7





#13

Acrolein

Concen: 54.969 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

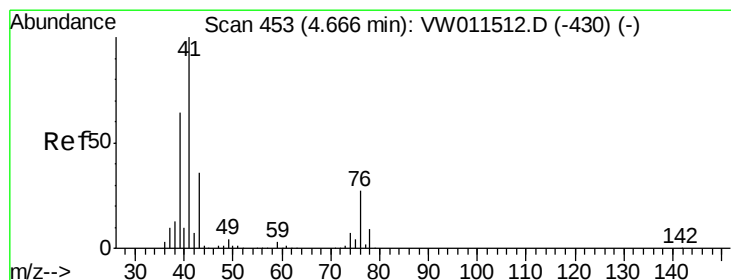
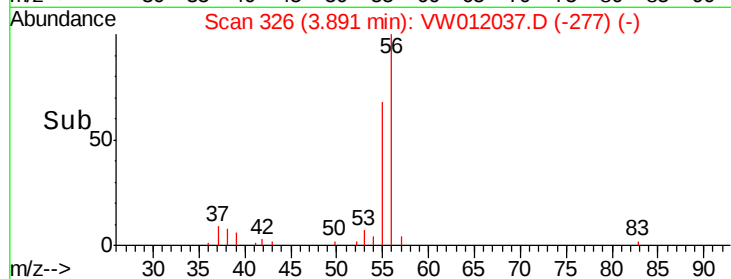
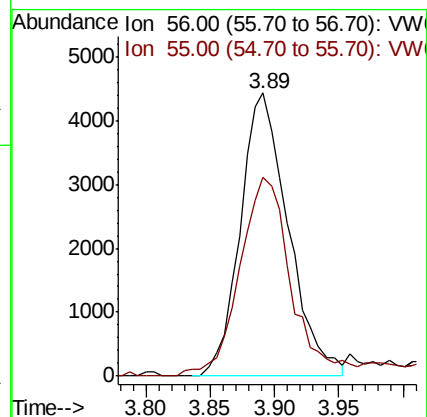
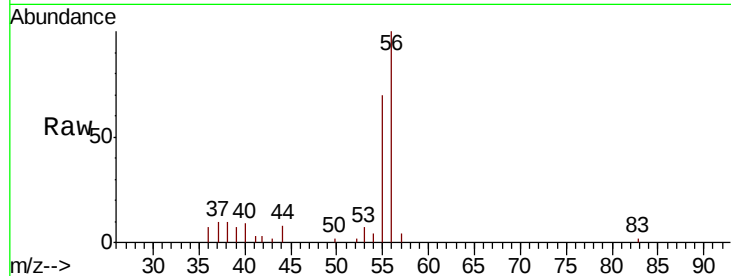
VW0820SBS02

Tgt Ion: 56 Resp: 11394

Ion Ratio Lower Upper

56 100

55 75.3 56.0 84.0



#14

Allyl chloride

Concen: 20.259 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

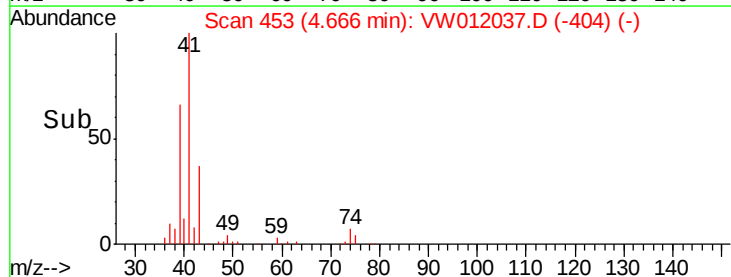
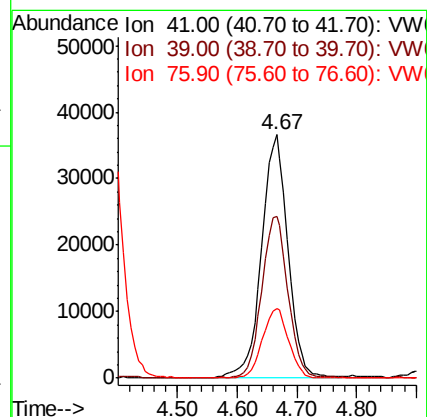
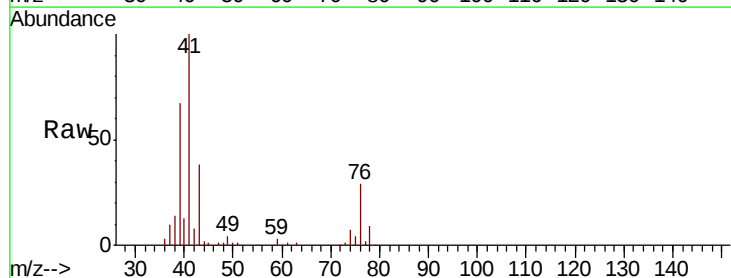
Tgt Ion: 41 Resp: 112895

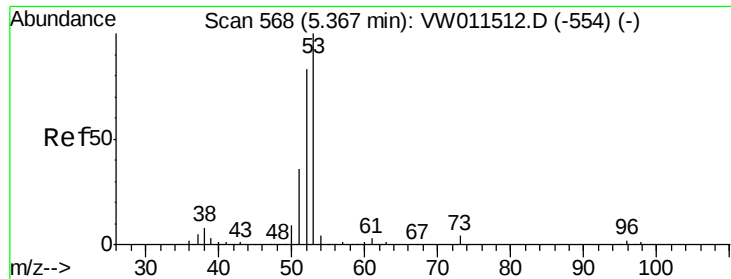
Ion Ratio Lower Upper

41 100

39 64.7 52.6 78.8

76 28.2 22.0 33.0





#15

Acrylonitrile

Concen: 102.284 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBSD02

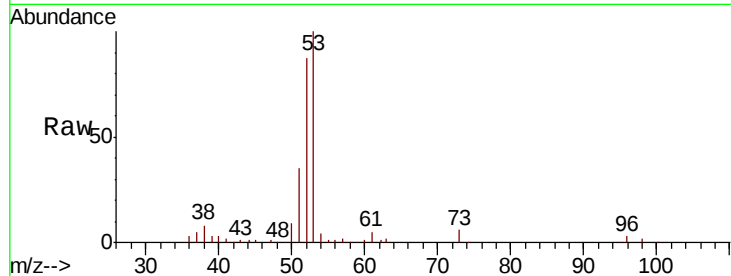
Tgt Ion: 53 Resp: 75730

Ion Ratio Lower Upper

53 100

52 84.7 67.2 100.8

51 37.4 30.0 45.0

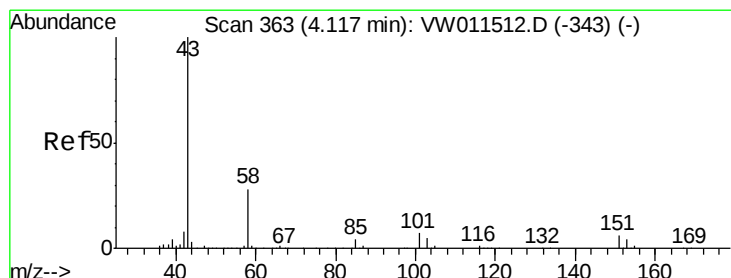
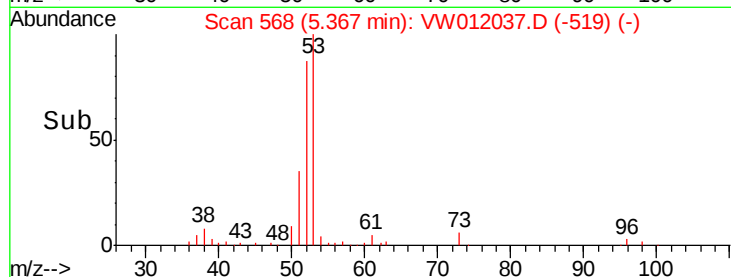
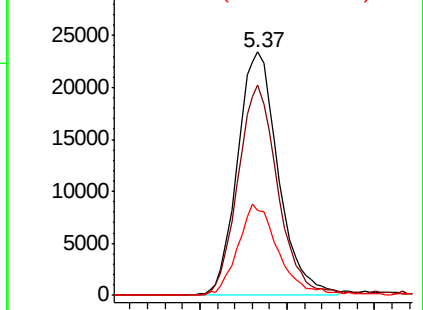


Abundance

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: 79.561 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW012037.D

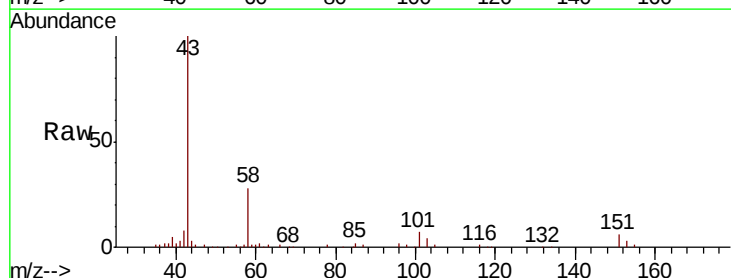
Acq: 20 Aug 2019 18:45

Tgt Ion: 43 Resp: 73111

Ion Ratio Lower Upper

43 100

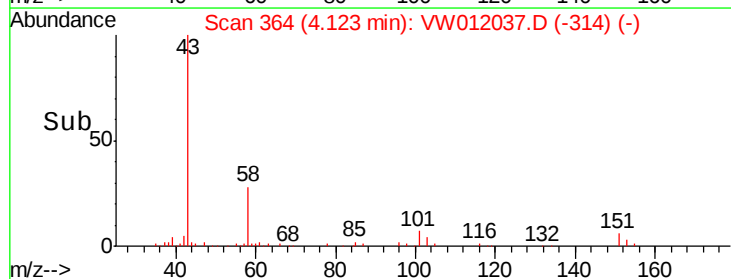
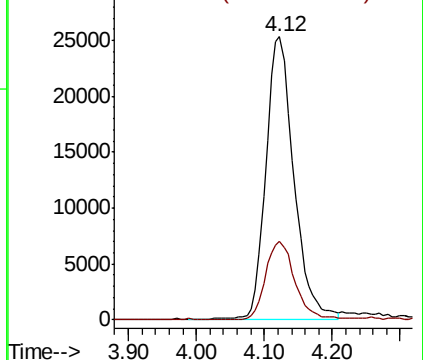
58 27.6 22.3 33.5

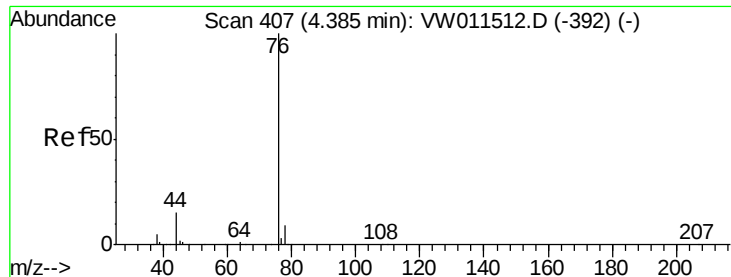


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 18.540 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

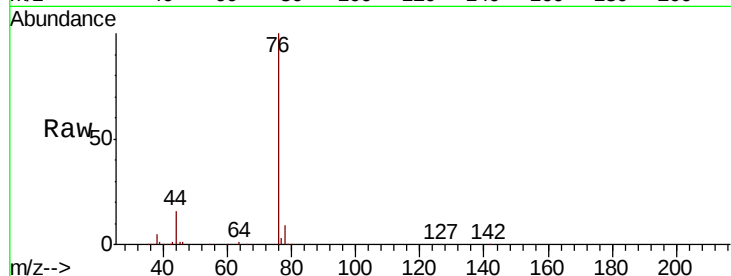
VW0820SBSD02

Tgt Ion: 76 Resp: 152034

Ion Ratio Lower Upper

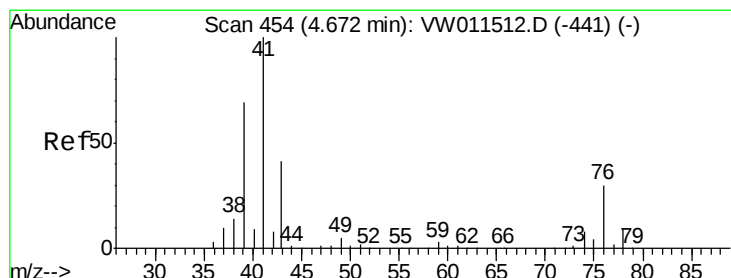
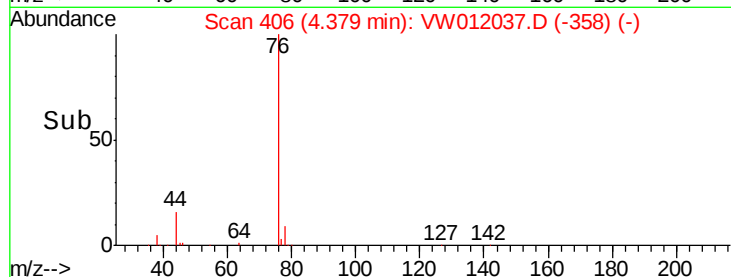
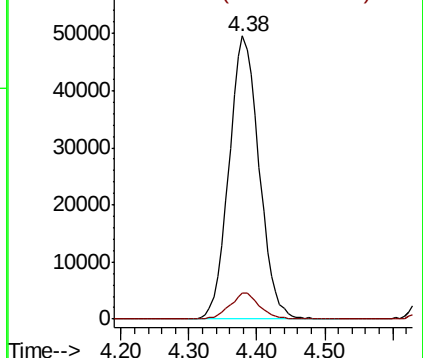
76 100

78 9.4 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 20.787 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW012037.D

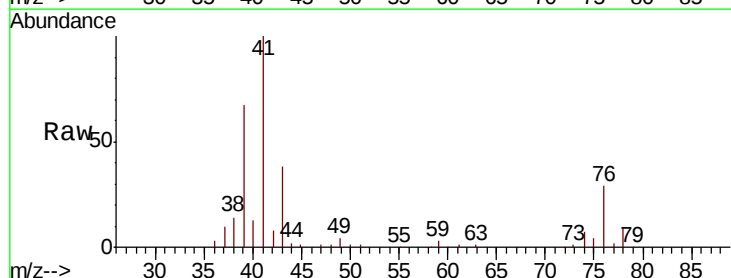
Acq: 20 Aug 2019 18:45

Tgt Ion: 43 Resp: 42912

Ion Ratio Lower Upper

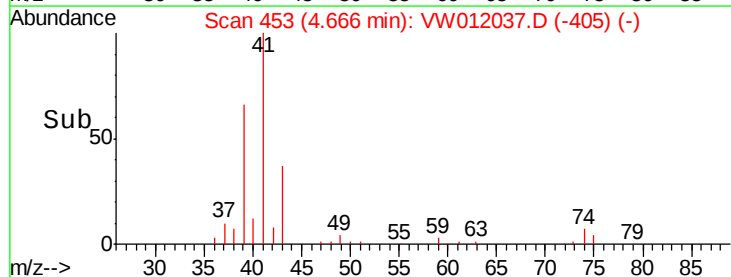
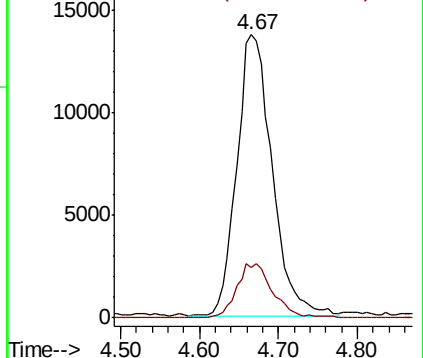
43 100

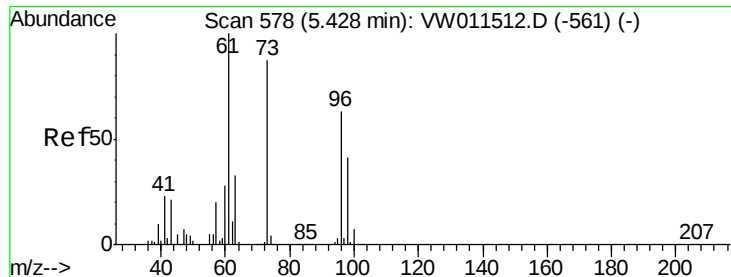
74 19.6 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

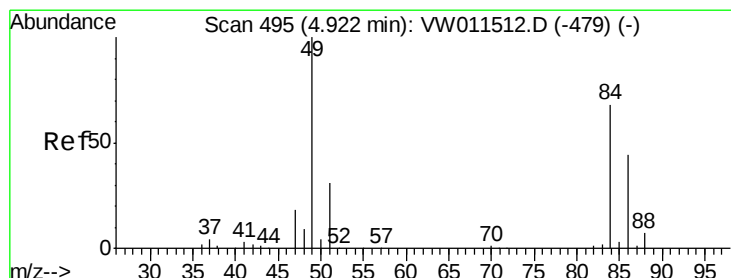
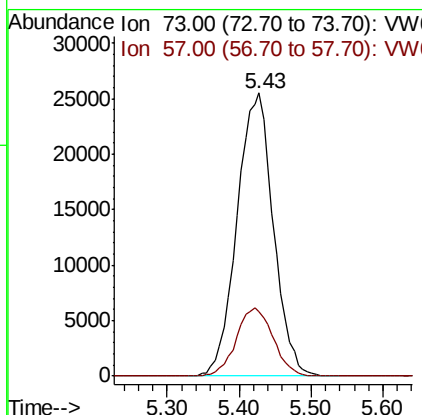
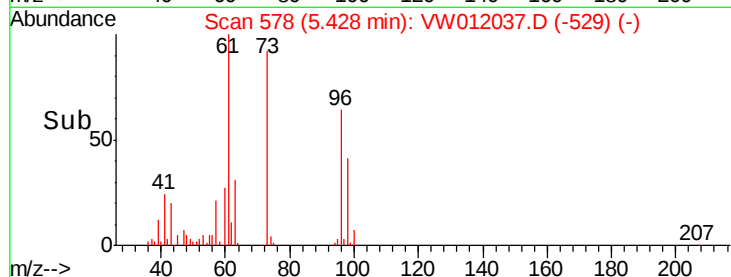
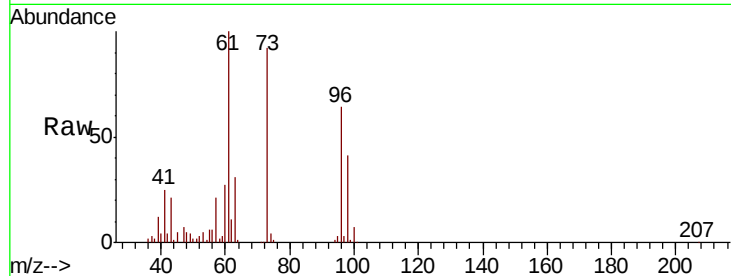




#19
Methyl tert-butyl Ether
Concen: 21.483 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

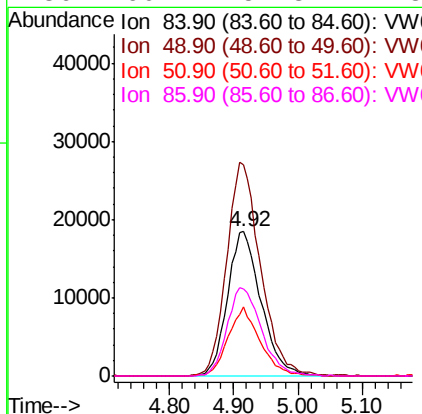
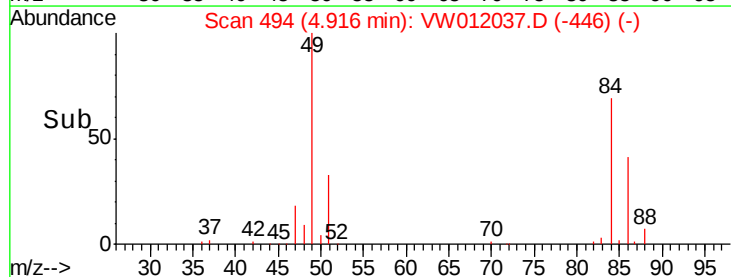
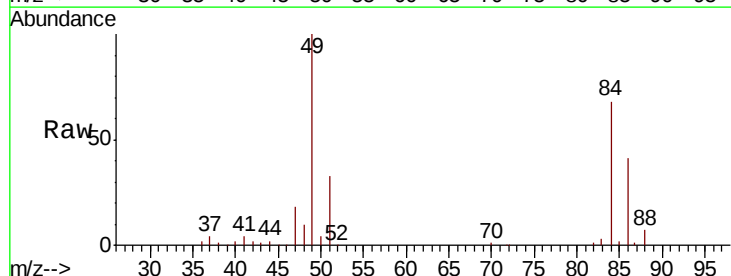
Instrument :
MSVOA_W
ClientSampleId :
VW0820SBSD02

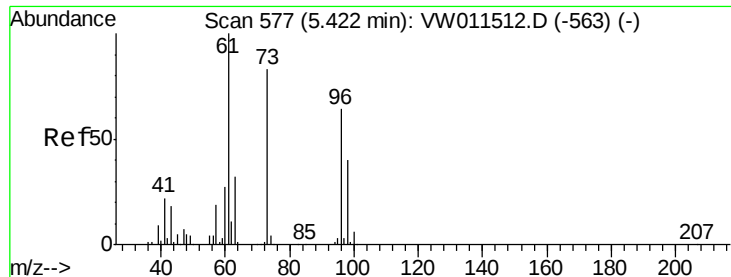
Tgt Ion: 73 Resp: 89321
Ion Ratio Lower Upper
73 100
57 22.8 18.4 27.6



#20
Methylene Chloride
Concen: 21.249 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

Tgt Ion: 84 Resp: 67342
Ion Ratio Lower Upper
84 100
49 146.4 117.8 176.6
51 48.0 37.0 55.4
86 60.2 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 20.543 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBSD02

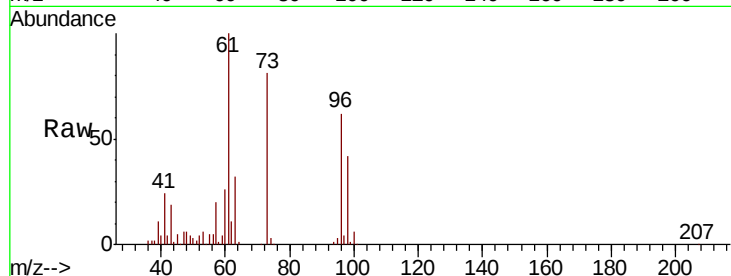
Tgt Ion: 96 Resp: 58030

Ion Ratio Lower Upper

96 100

61 160.1 125.7 188.5

98 66.5 50.3 75.5

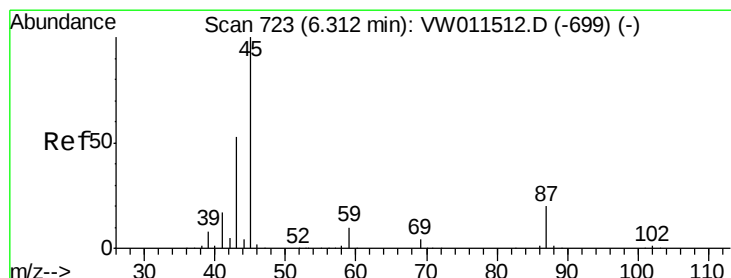
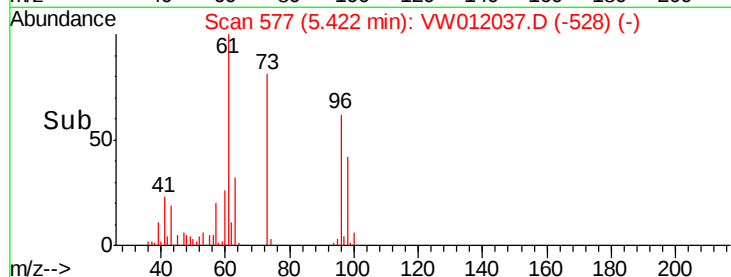
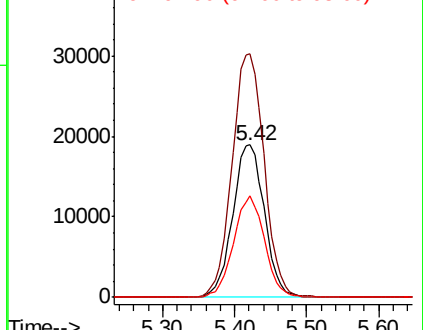


Abundance

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: 21.277 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Tgt Ion: 45 Resp: 223550

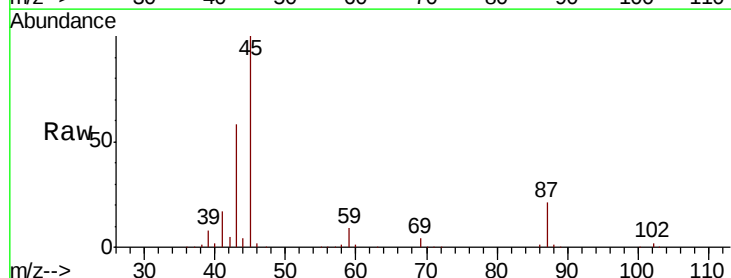
Ion Ratio Lower Upper

45 100

43 57.8 42.6 63.8

87 21.5 16.4 24.6

59 9.2 8.2 12.2



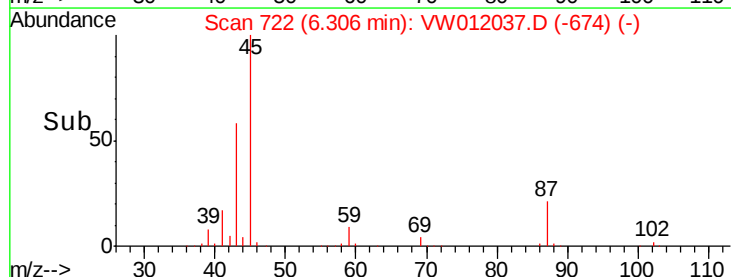
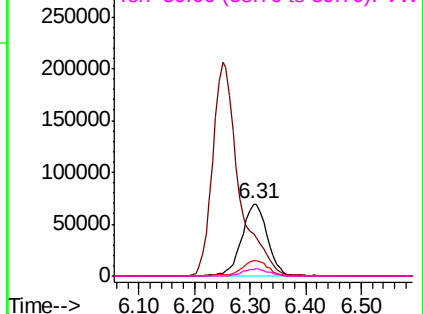
Abundance

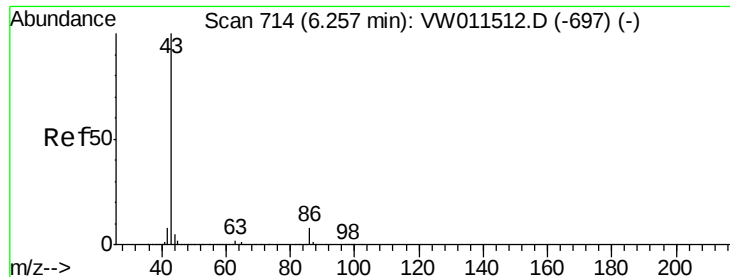
Ion 45.00 (44.70 to 45.70): VW

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

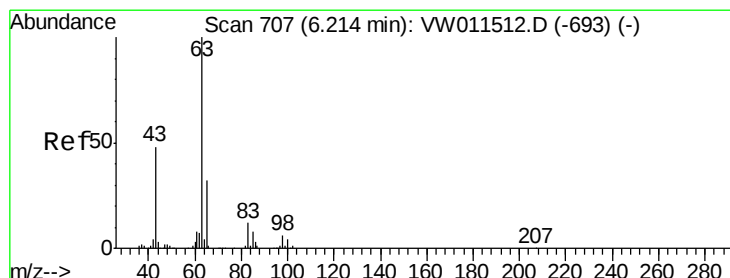
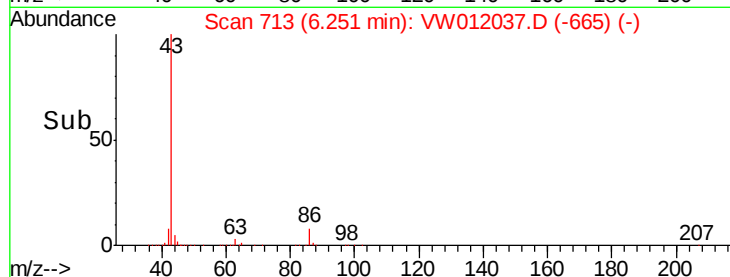
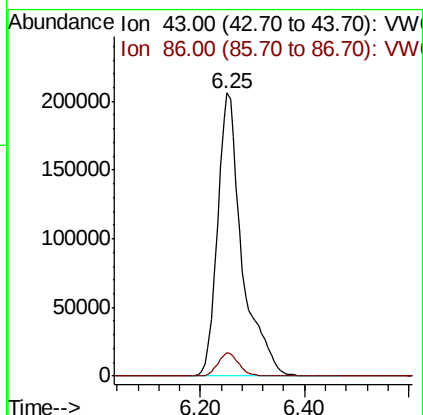
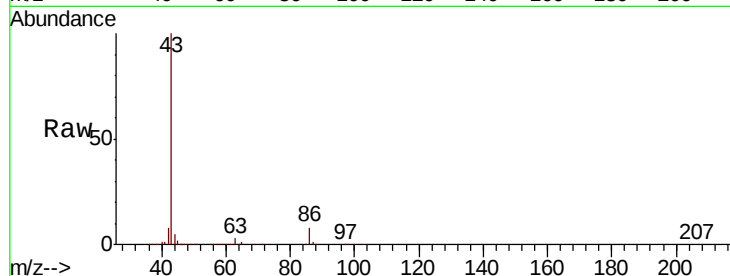




#23
 Vinyl Acetate
 Concen: 102.476 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

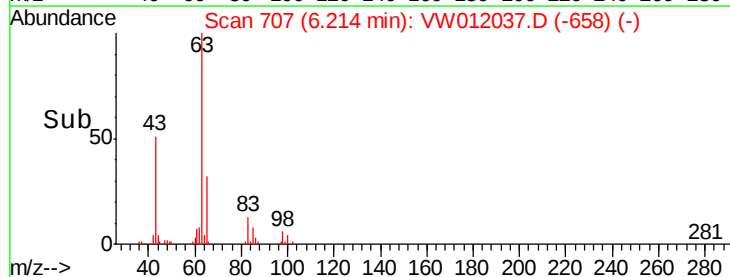
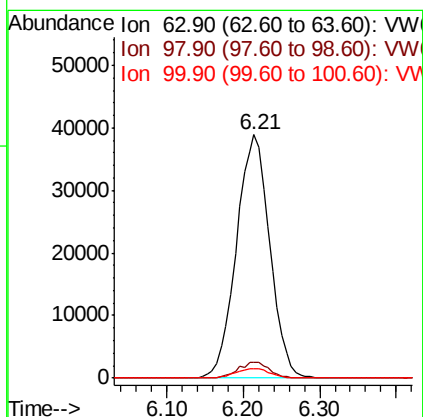
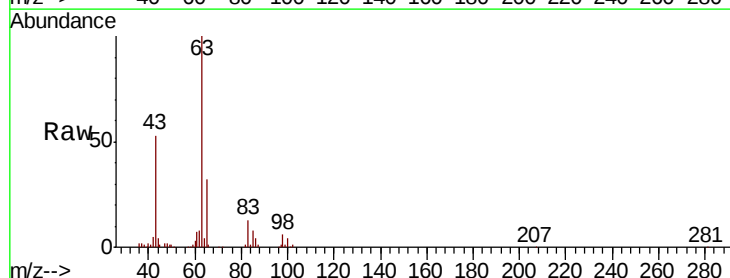
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS02

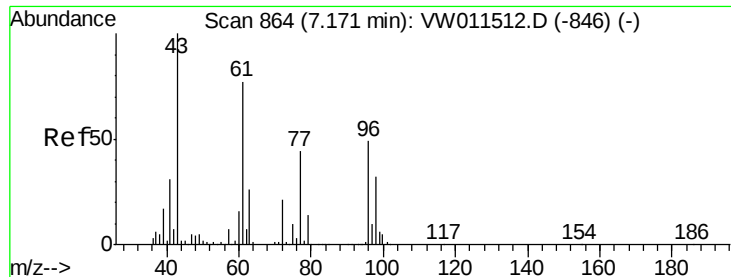
Tgt Ion: 43 Resp: 676533
 Ion Ratio Lower Upper
 43 100
 86 8.2 6.5 9.7



#24
 1,1-Dichloroethane
 Concen: 20.908 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

Tgt Ion: 63 Resp: 117651
 Ion Ratio Lower Upper
 63 100
 98 6.5 2.9 8.8
 100 3.9 2.1 6.3

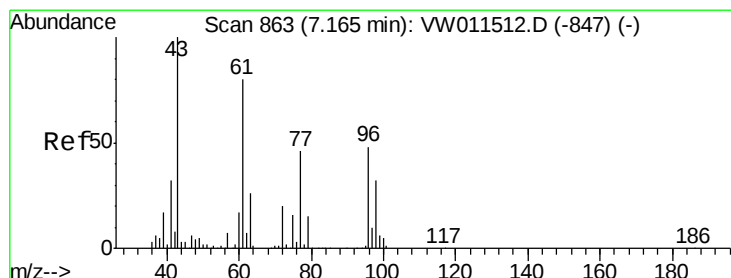
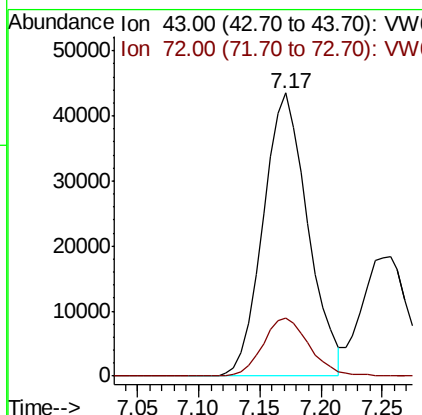
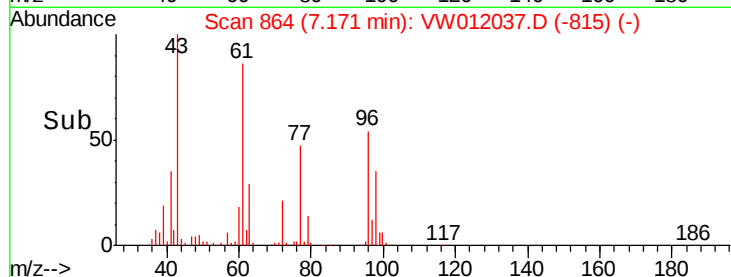
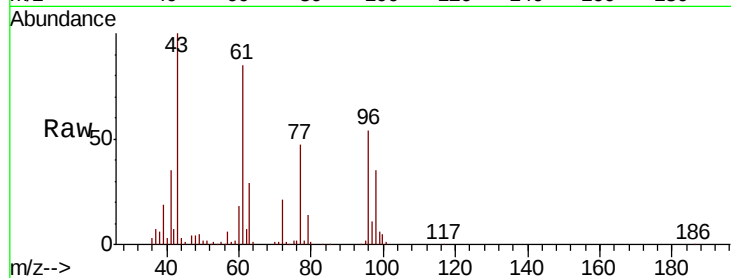




#25
2-Butanone
Concen: 91.820 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

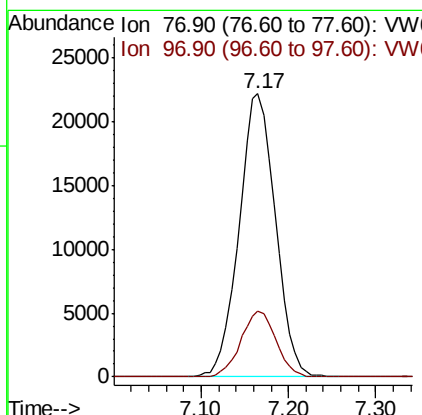
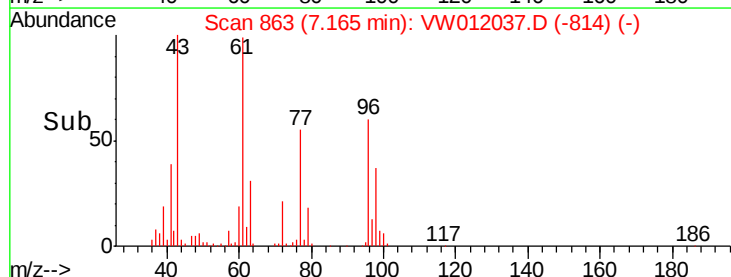
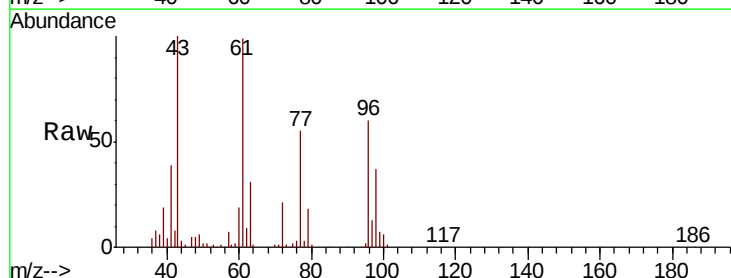
Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

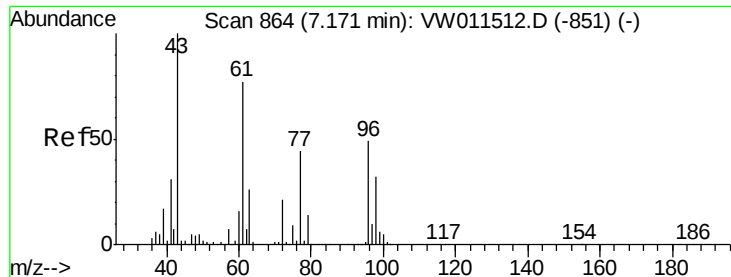
Tgt Ion: 43 Resp: 110409
Ion Ratio Lower Upper
43 100
72 20.6 16.6 24.8



#26
2,2-Dichloropropane
Concen: 18.506 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

Tgt Ion: 77 Resp: 64040
Ion Ratio Lower Upper
77 100
97 22.4 10.8 32.4



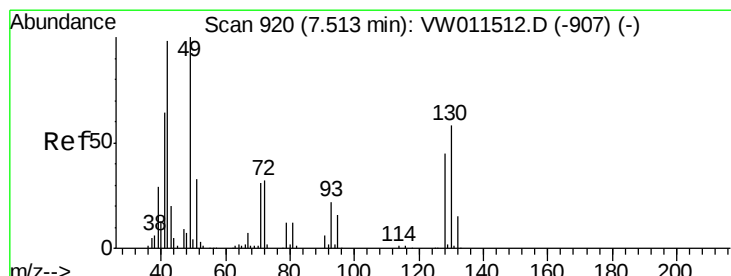
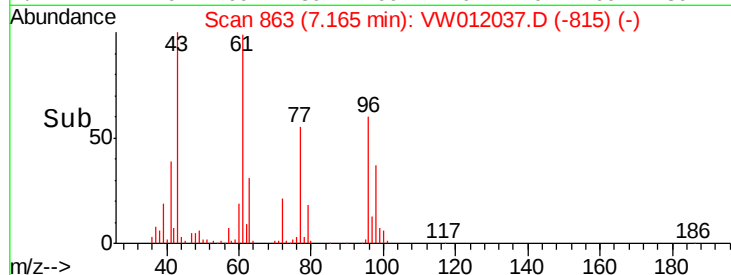
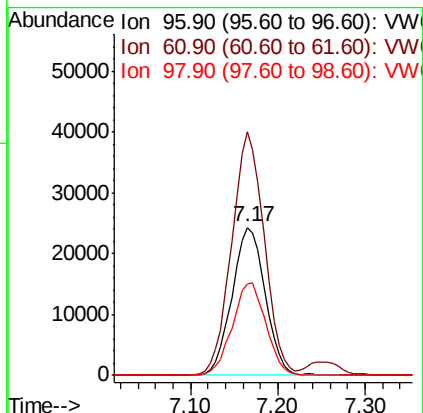
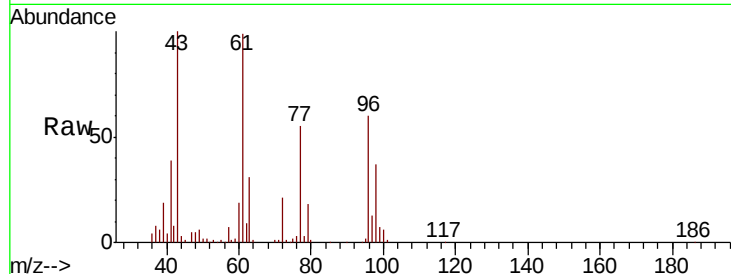


#27

cis-1,2-Dichloroethene
 Concen: 20.674 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0820SBS02

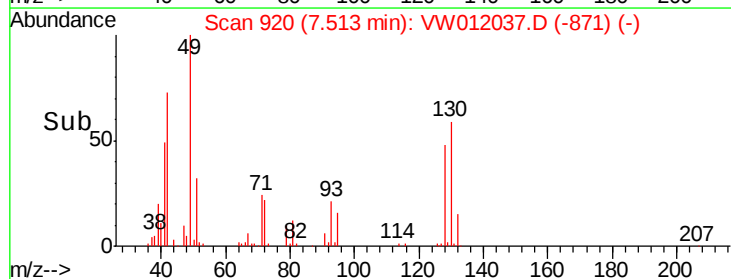
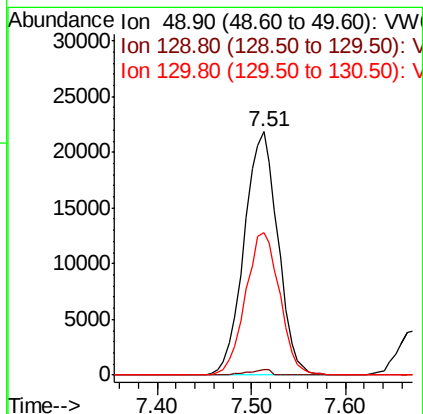
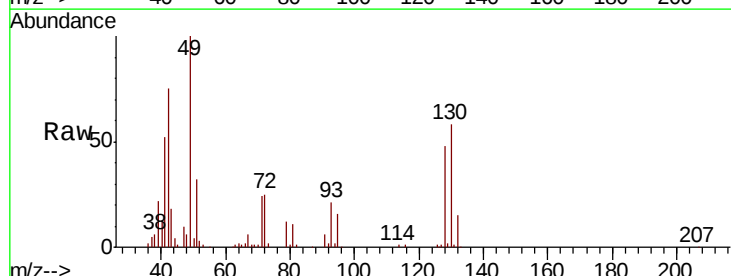
Tgt Ion: 96 Resp: 64273
 Ion Ratio Lower Upper
 96 100
 61 161.4 0.0 328.4
 98 63.0 0.0 128.8

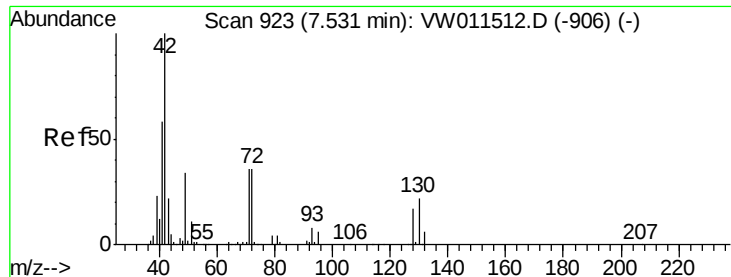


#28

Bromochloromethane
 Concen: 21.984 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

Tgt Ion: 49 Resp: 54907
 Ion Ratio Lower Upper
 49 100
 129 1.5 0.0 1.0#
 130 59.3 46.3 69.5

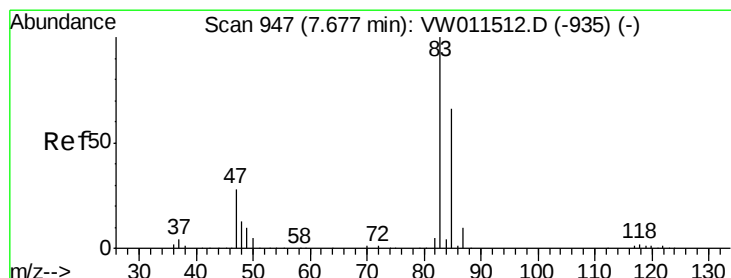
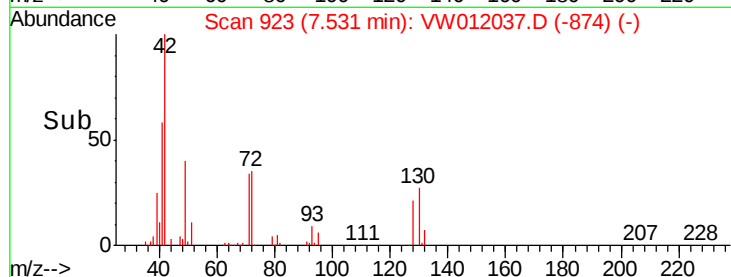
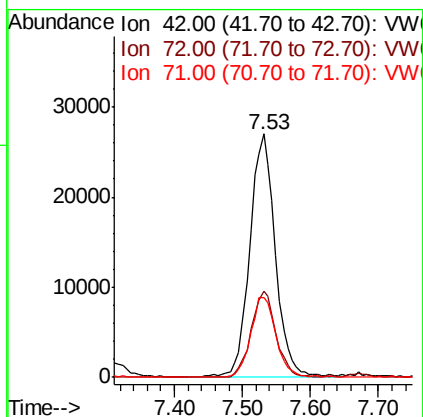
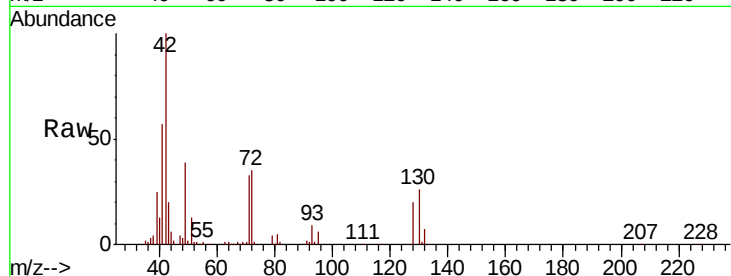




#29
Tetrahydrofuran
Concen: 103.475 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

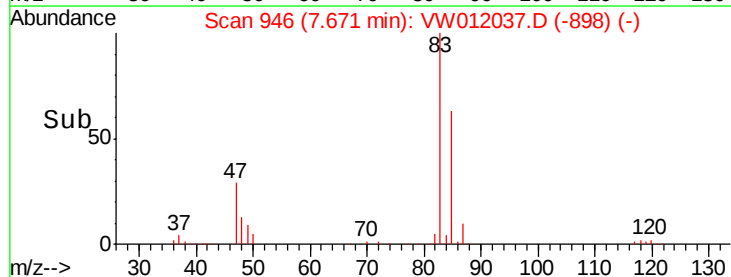
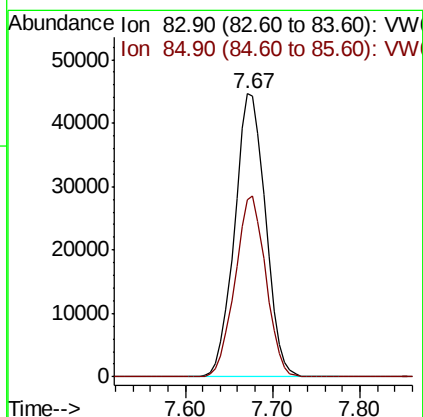
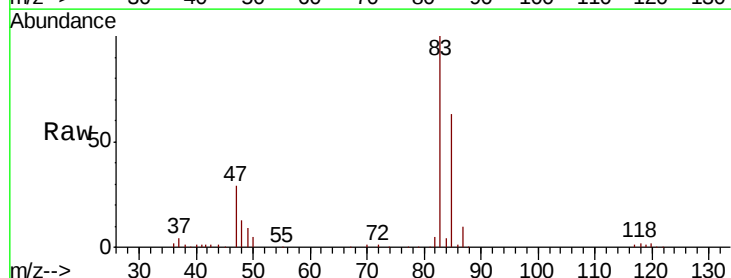
Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

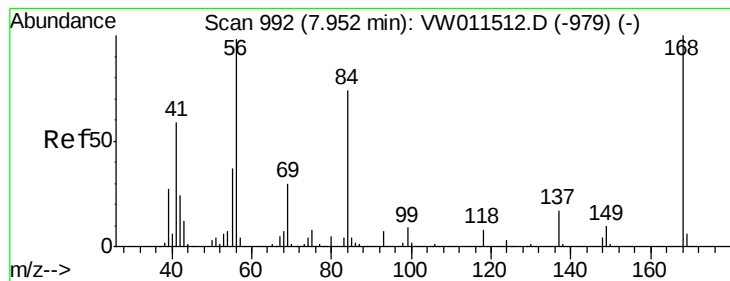
Tgt Ion: 42 Resp: 71121
Ion Ratio Lower Upper
42 100
72 34.2 27.1 40.7
71 32.4 26.2 39.4



#30
Chloroform
Concen: 21.132 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

Tgt Ion: 83 Resp: 109702
Ion Ratio Lower Upper
83 100
85 62.7 52.5 78.7





#31

Cyclohexane

Concen: 20.425 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBSD02

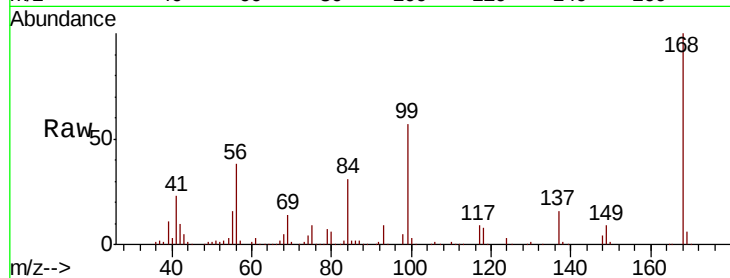
Tgt Ion: 56 Resp: 110325

Ion Ratio Lower Upper

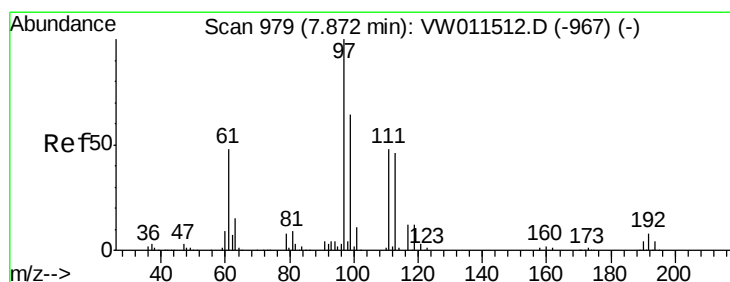
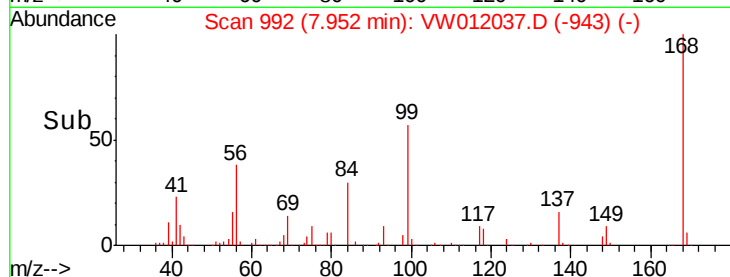
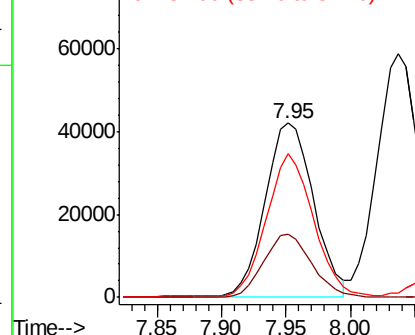
56 100

69 36.6 24.3 36.5#

84 81.5 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: 21.447 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

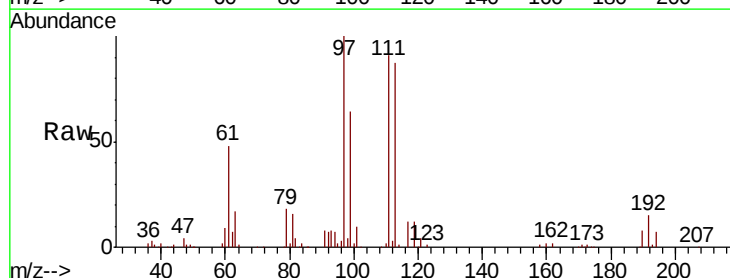
Tgt Ion: 97 Resp: 84791

Ion Ratio Lower Upper

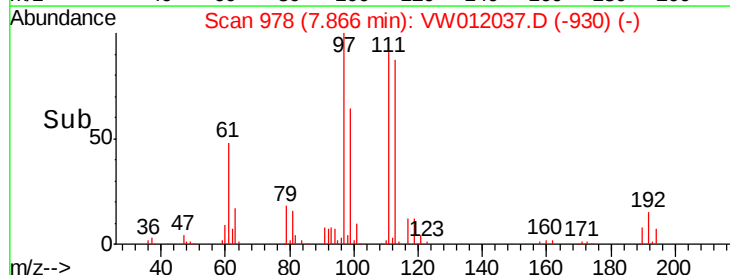
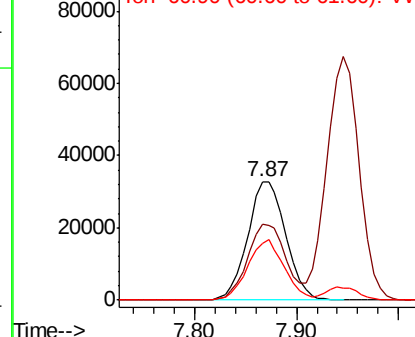
97 100

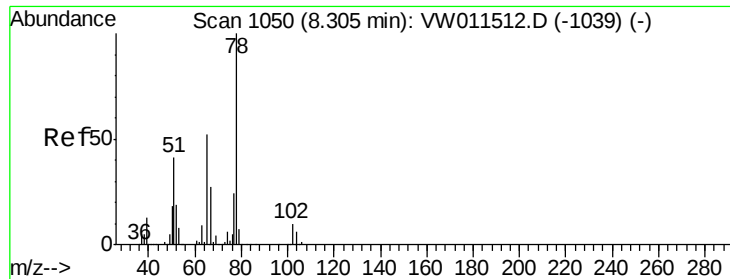
99 63.8 51.0 76.6

61 48.8 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

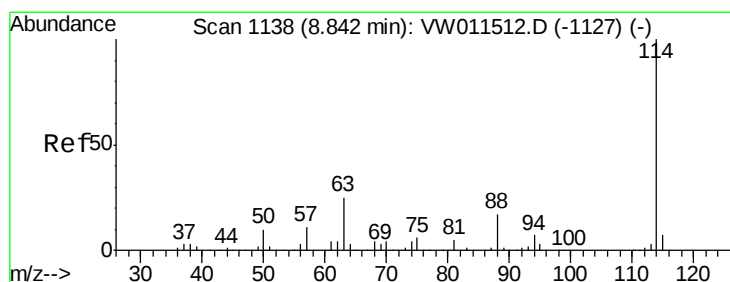
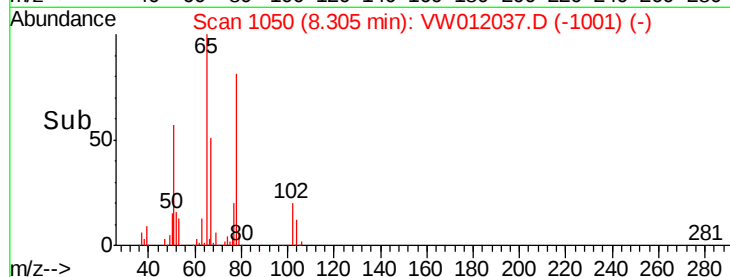
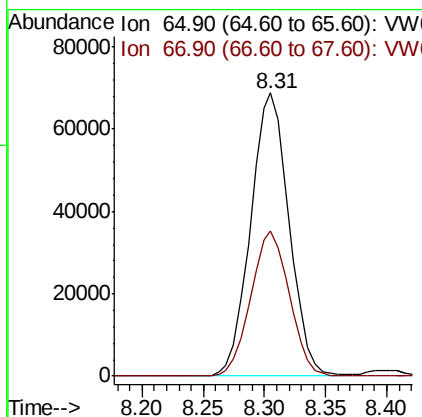
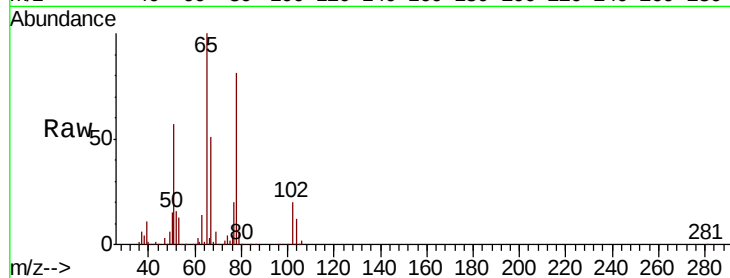




#33
 1,2-Dichloroethane-d4
 Concen: 51.967 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

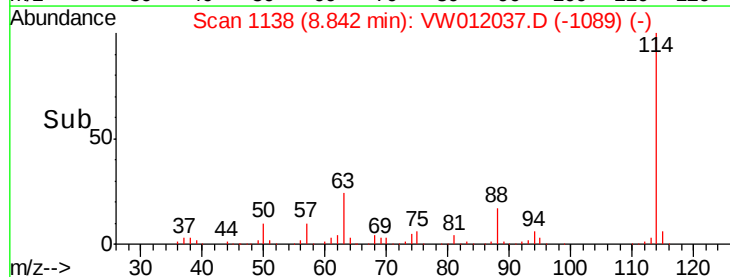
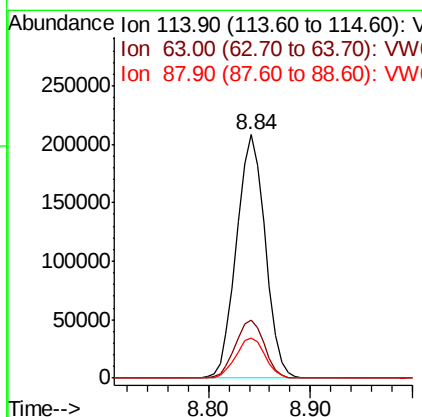
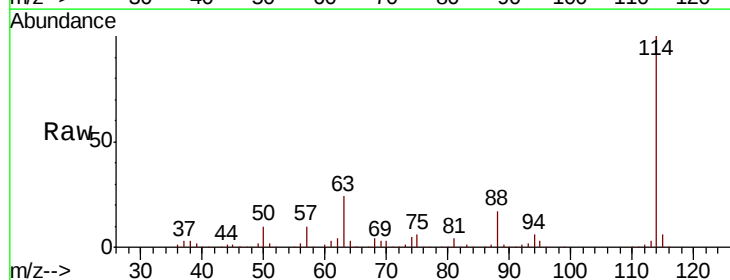
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBSD02

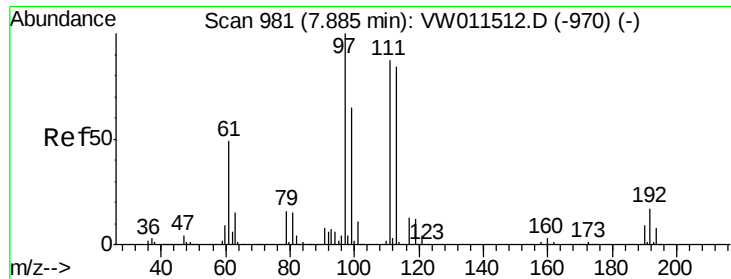
Tgt Ion: 65 Resp: 150124
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

Tgt Ion: 114 Resp: 405628
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 49.2
 88 16.6 0.0 33.8

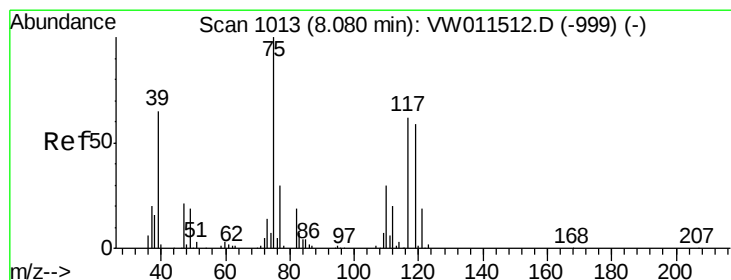
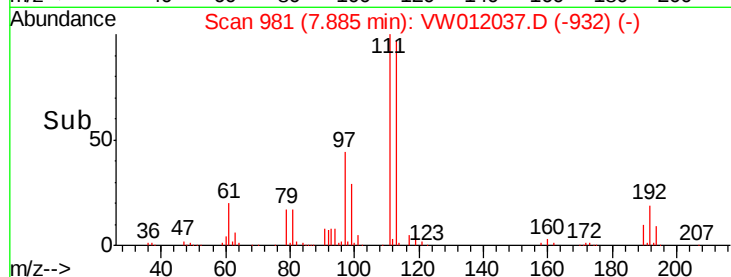
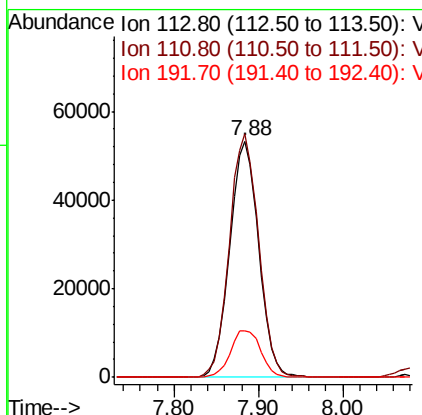
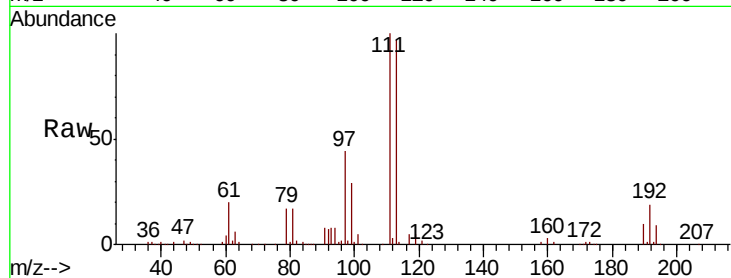




#35
 Dibromofluoromethane
 Concen: 54.454 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

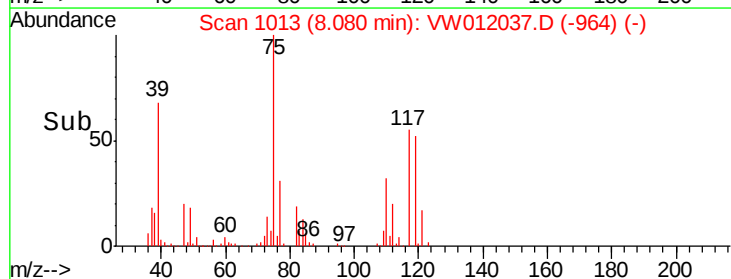
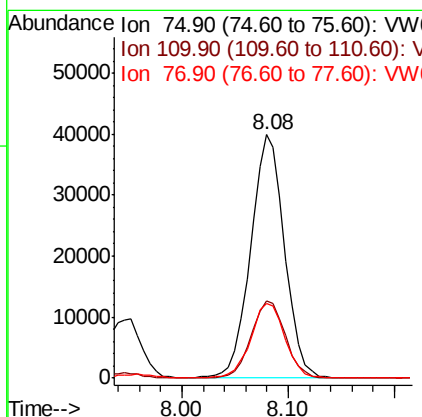
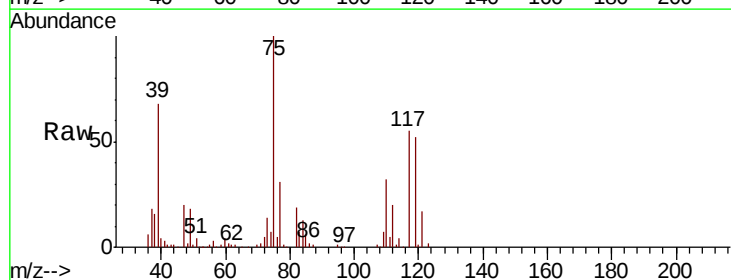
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBSD02

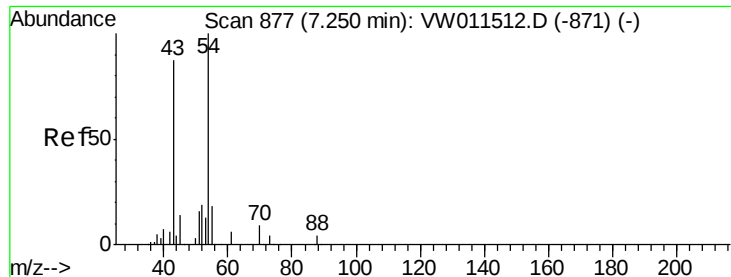
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.7	124.1
192	20.7	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 21.066 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.0	15.6	46.8
77	31.3	24.3	36.5

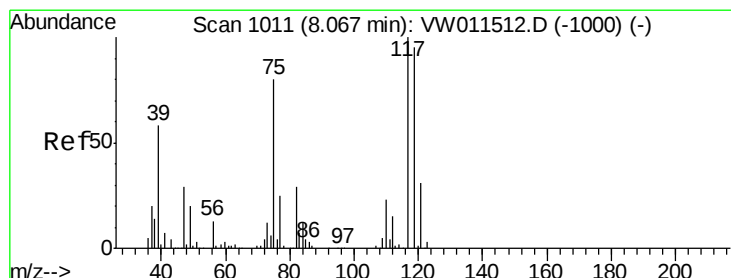
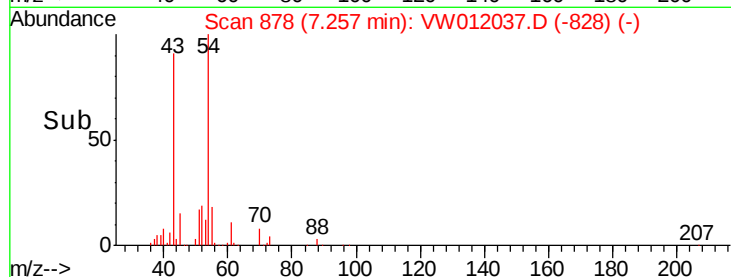
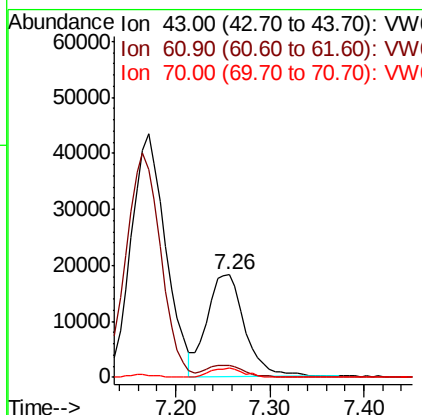
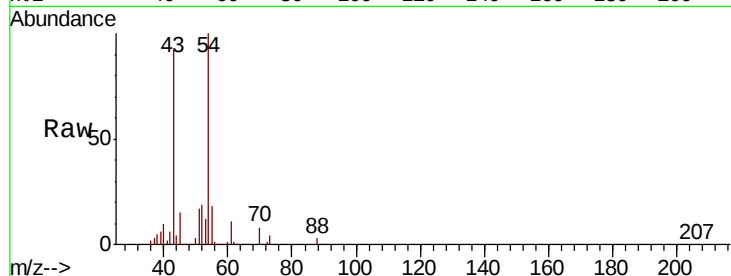




#37
 Ethyl Acetate
 Concen: 20.865 ug/l
 RT: 7.26 min Scan# 878
 Delta R.T. 0.01 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

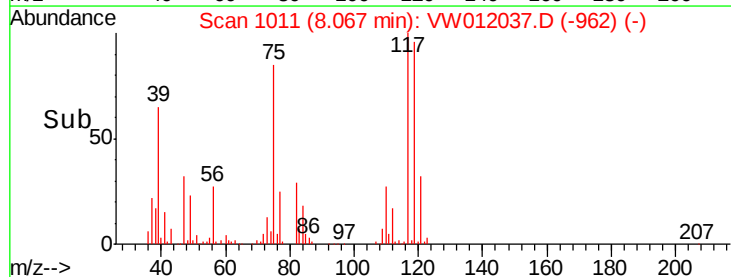
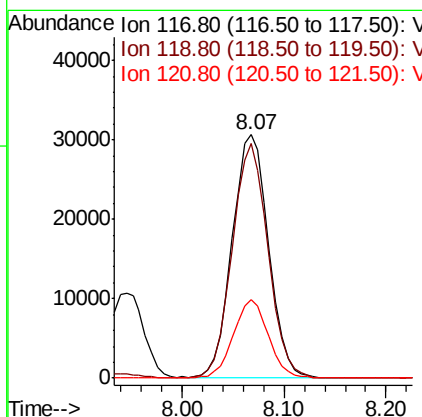
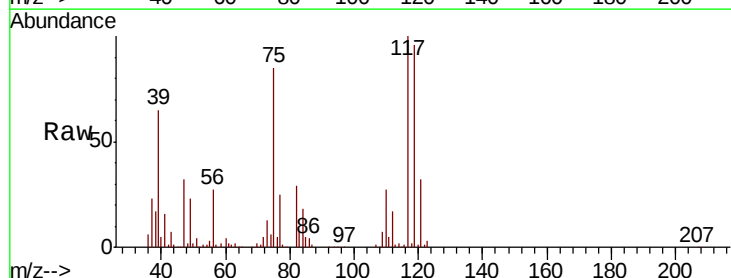
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBSD02

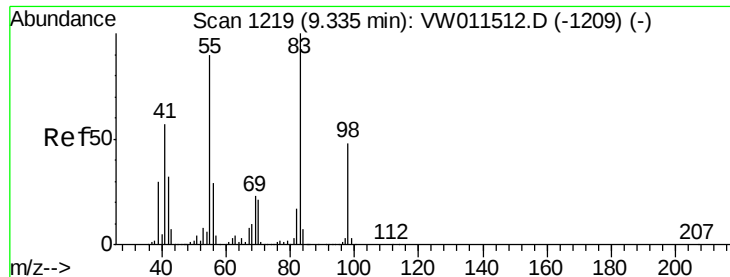
Tgt Ion: 43 Resp: 50631
 Ion Ratio Lower Upper
 43 100
 61 12.3 8.8 13.2
 70 8.5 7.1 10.7



#38
 Carbon Tetrachloride
 Concen: 21.022 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

Tgt Ion: 117 Resp: 75904
 Ion Ratio Lower Upper
 117 100
 119 96.4 75.8 113.6
 121 32.4 24.7 37.1

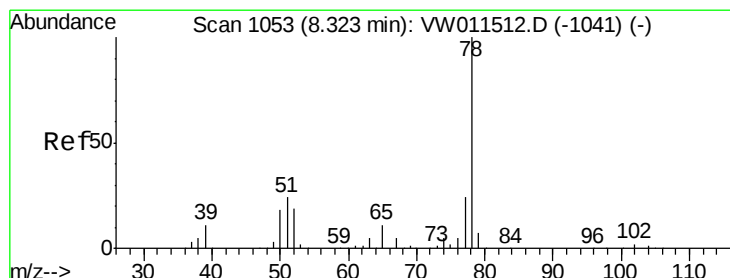
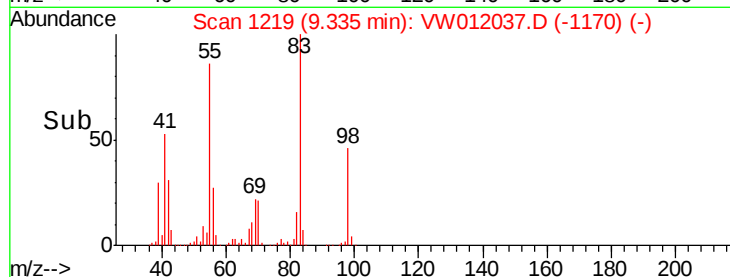
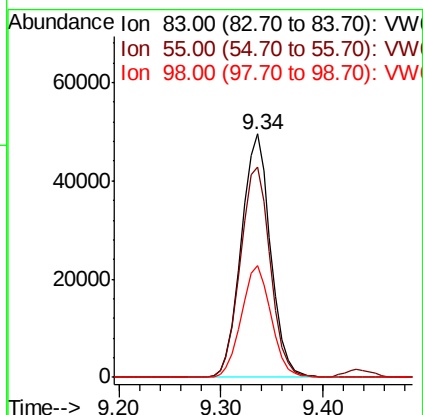
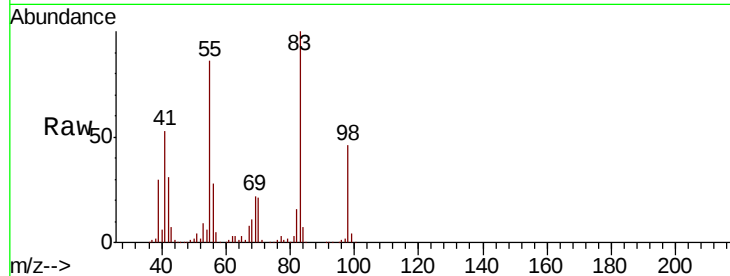




#39
Methylcyclohexane
Concen: 21.273 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

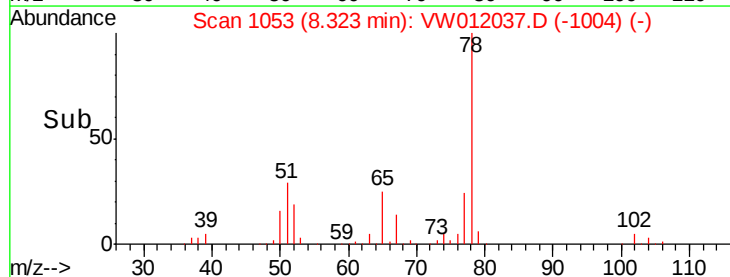
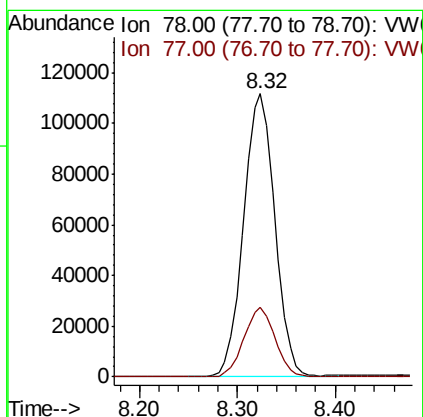
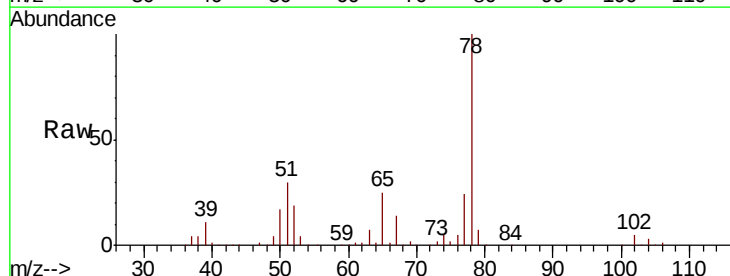
Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

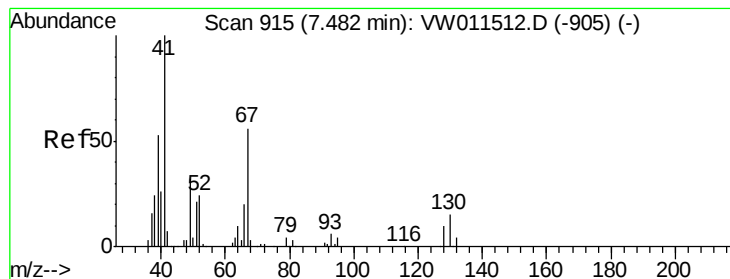
Tgt Ion: 83 Resp: 98796
Ion Ratio Lower Upper
83 100
55 86.4 72.1 108.1
98 45.9 38.6 57.8



#40
Benzene
Concen: 20.973 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

Tgt Ion: 78 Resp: 247783
Ion Ratio Lower Upper
78 100
77 24.5 19.4 29.0





#41

Methacrylonitrile

Concen: 20.011 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS02

Tgt Ion: 41 Resp: 29027

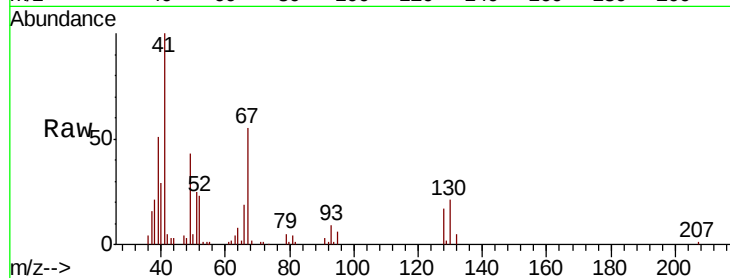
Ion Ratio Lower Upper

41 100

39 51.8 43.0 64.4

67 59.7 47.5 71.3

52 27.2 21.0 31.6

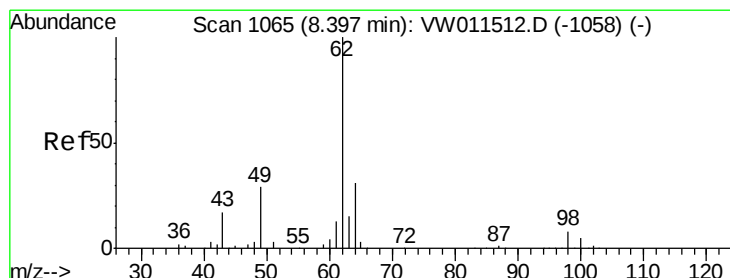
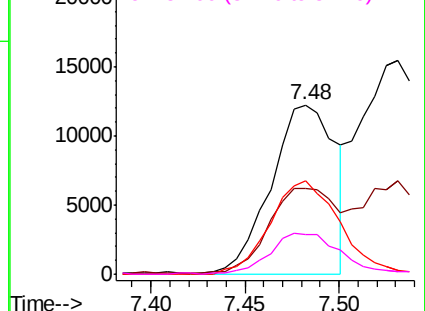
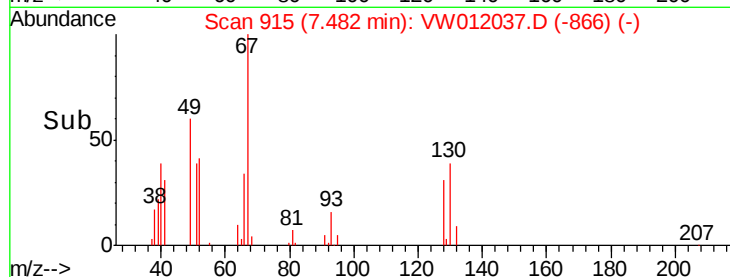


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 20.780 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW012037.D

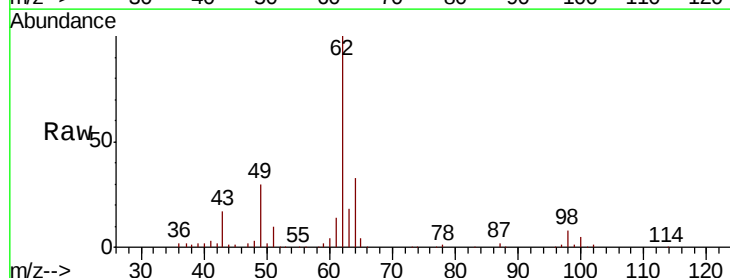
Acq: 20 Aug 2019 18:45

Tgt Ion: 62 Resp: 76864

Ion Ratio Lower Upper

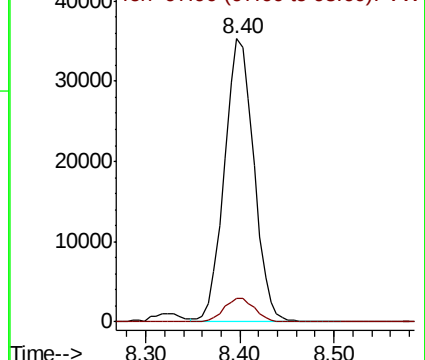
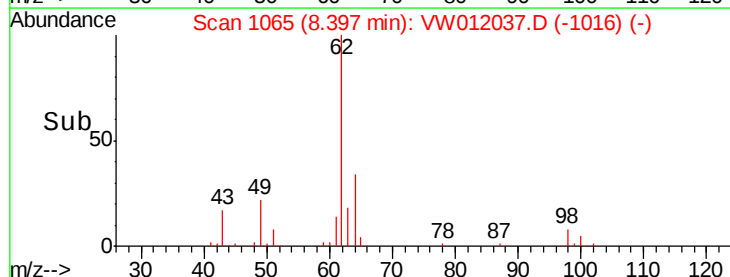
62 100

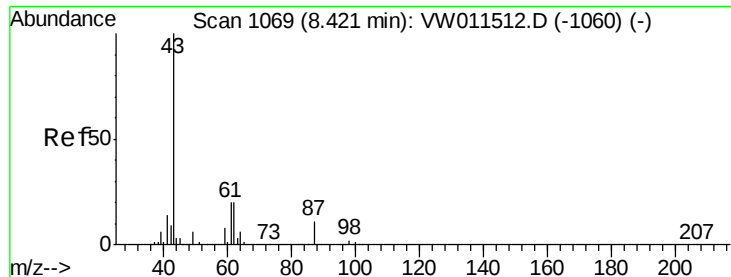
98 8.7 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW

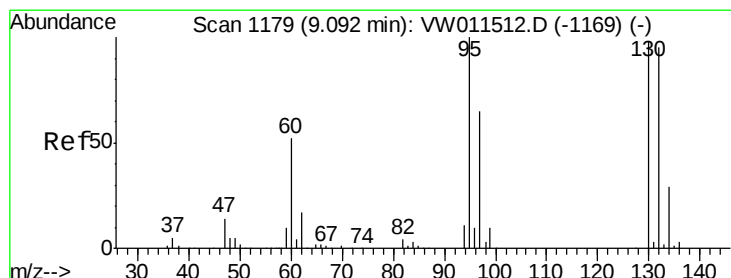
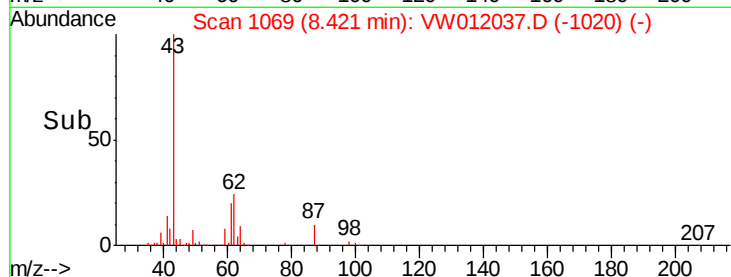
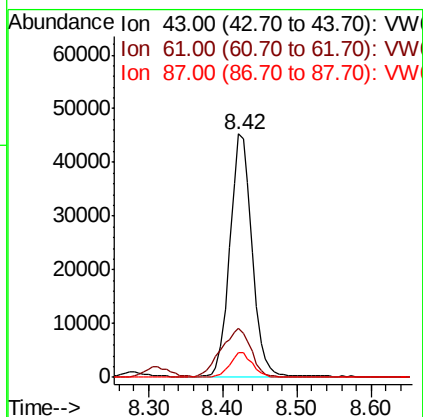
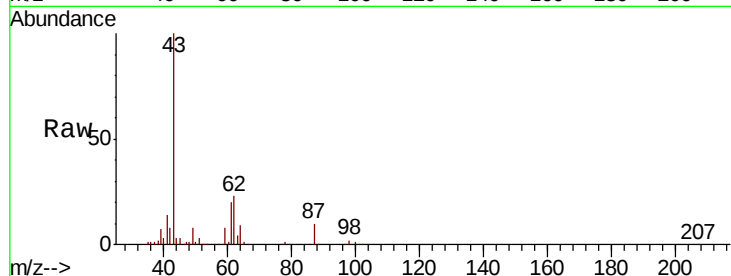




#43
Isopropyl Acetate
Concen: 21.120 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

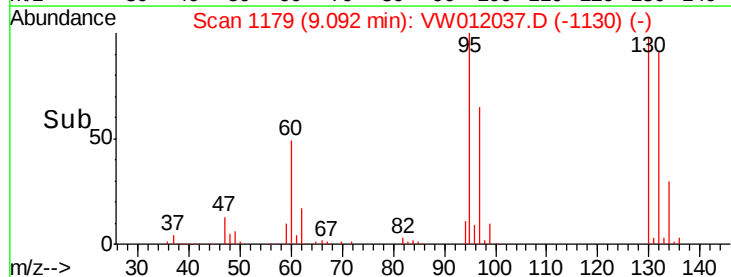
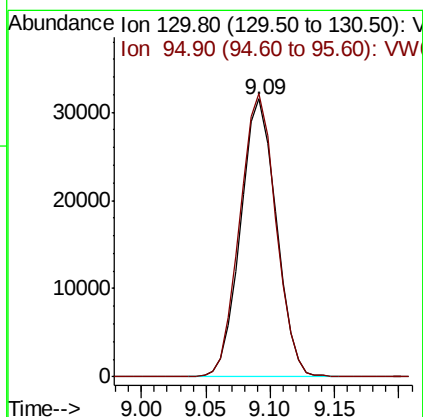
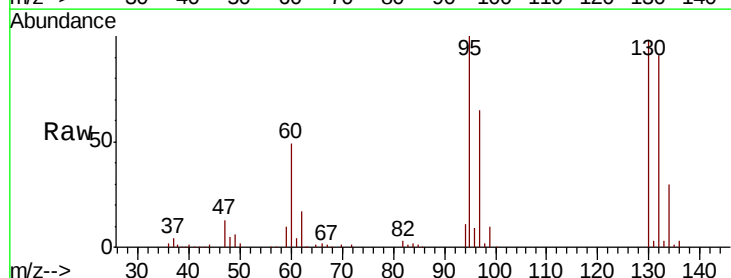
Instrument :
MSVOA_W
ClientSampleId :
VW0820SBSD02

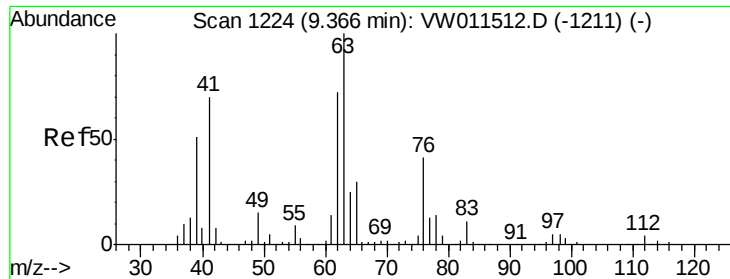
Tgt Ion: 43 Resp: 94253
Ion Ratio Lower Upper
43 100
61 26.6 21.5 32.3
87 10.5 8.4 12.6



#44
Trichloroethene
Concen: 21.339 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

Tgt Ion: 130 Resp: 60592
Ion Ratio Lower Upper
130 100
95 101.9 0.0 204.8

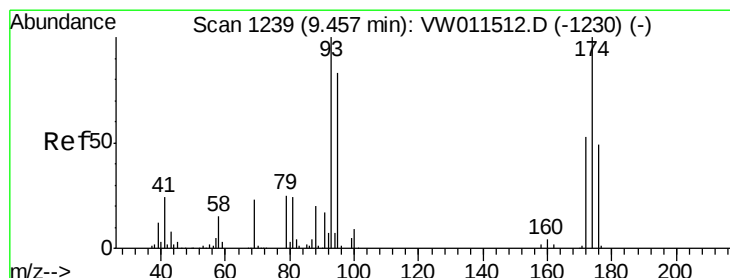
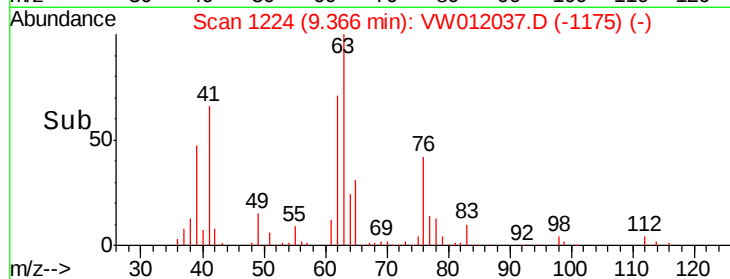
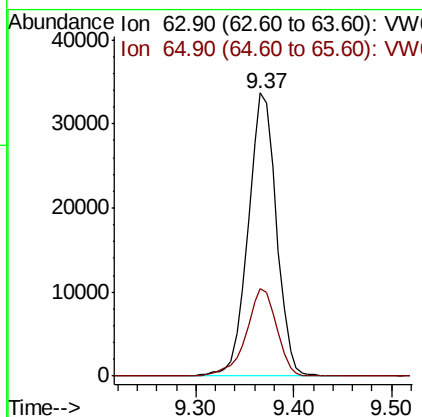
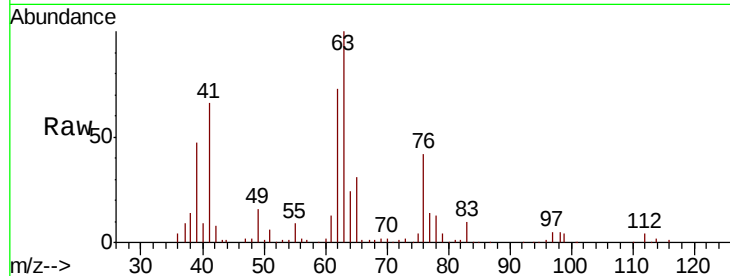




#45
 1,2-Dichloropropane
 Concen: 21.240 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

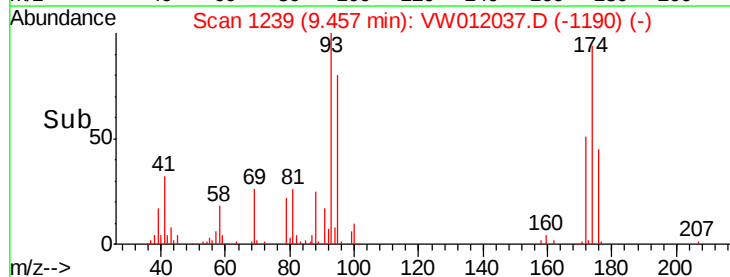
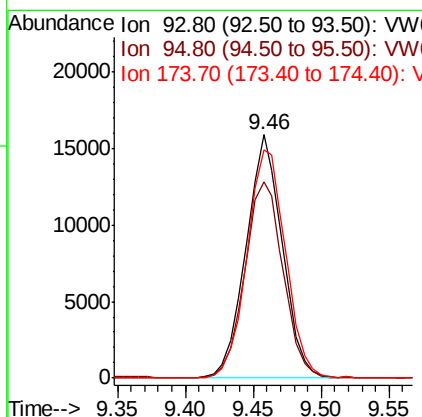
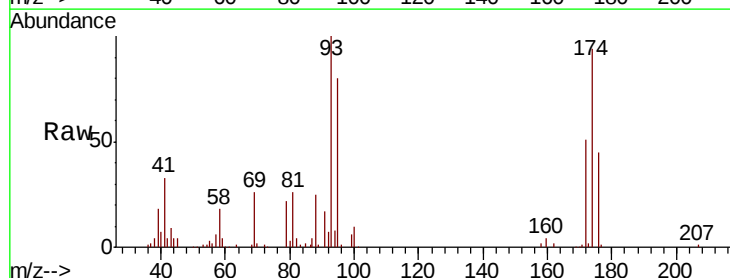
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBSD02

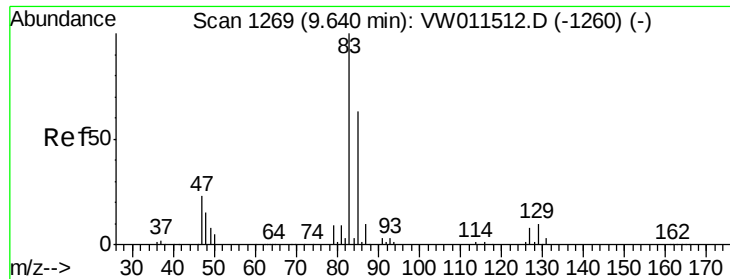
Tgt Ion: 63 Resp: 67141
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.2 36.4



#46
 Dibromomethane
 Concen: 20.597 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

Tgt Ion: 93 Resp: 29717
 Ion Ratio Lower Upper
 93 100
 95 85.1 66.2 99.2
 174 99.4 78.2 117.4

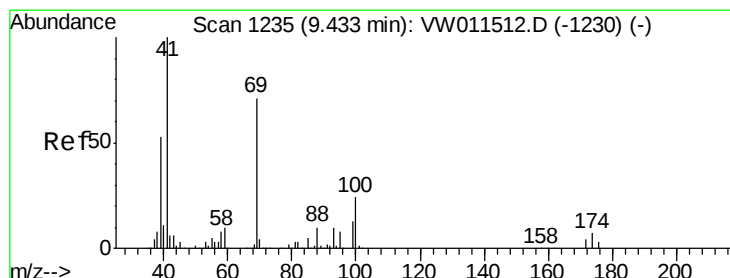
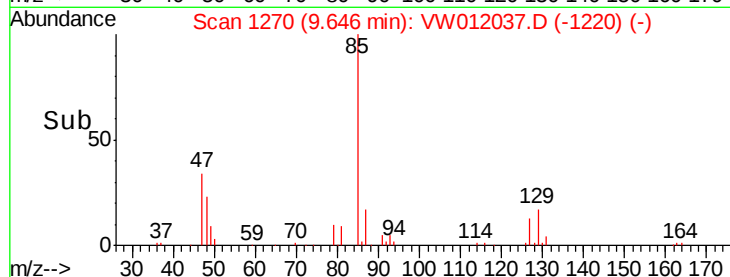
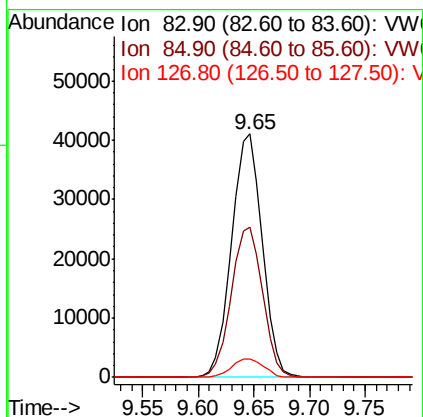
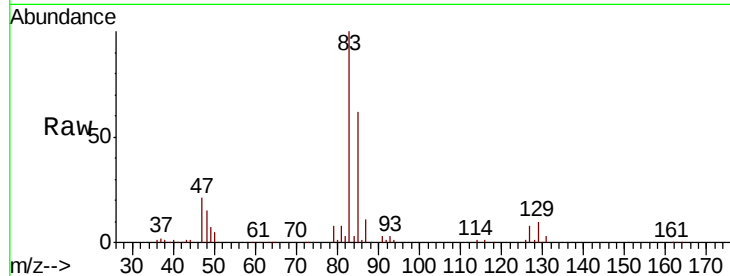




#47
 Bromodichloromethane
 Concen: 20.702 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

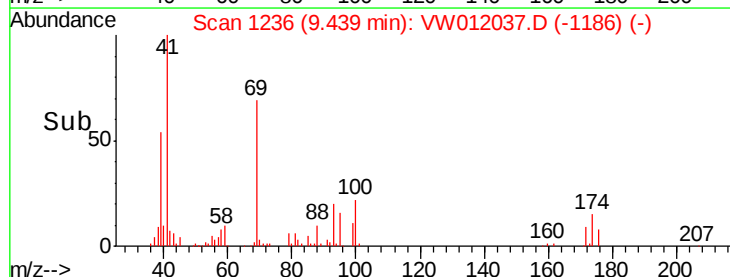
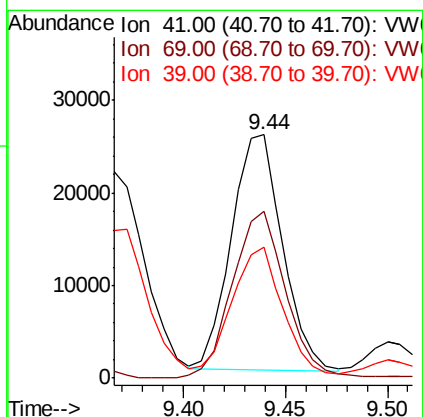
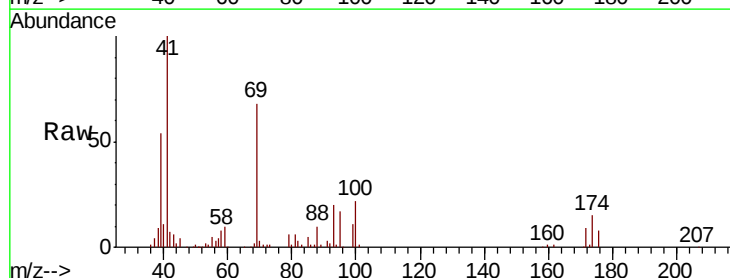
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBSD02

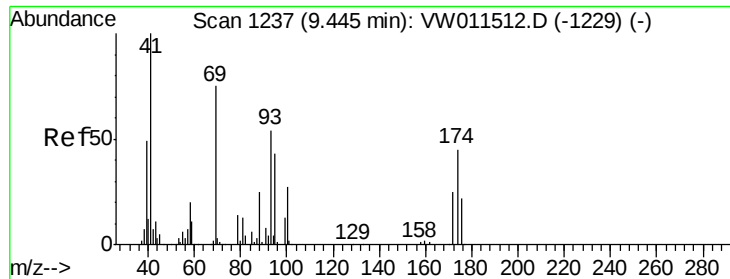
Tgt Ion: 83 Resp: 78351
 Ion Ratio Lower Upper
 83 100
 85 61.7 50.5 75.7
 127 7.8 6.4 9.6



#48
 Methyl methacrylate
 Concen: 20.608 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. 0.01 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

Tgt Ion: 41 Resp: 44178
 Ion Ratio Lower Upper
 41 100
 69 75.0 57.1 85.7
 39 52.1 45.4 68.2





#49

1,4-Dioxane

Concen: 471.359 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBSD02

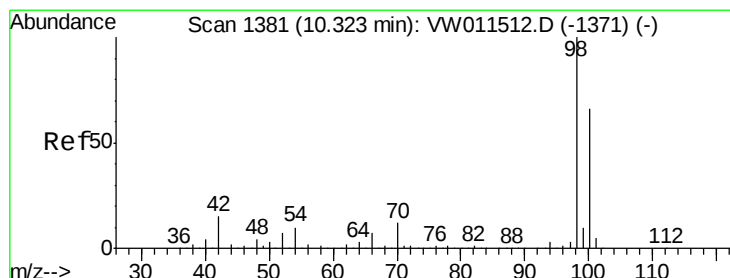
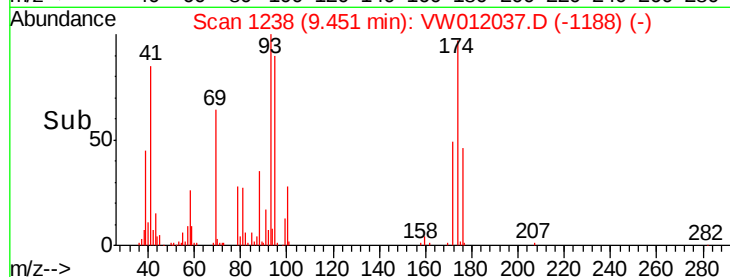
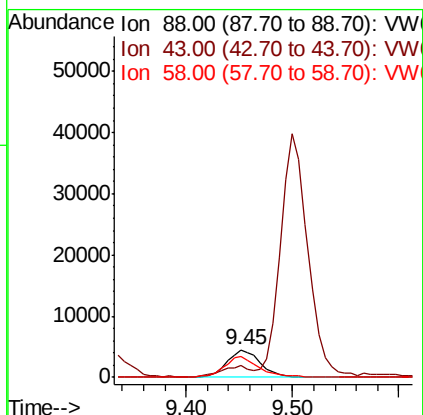
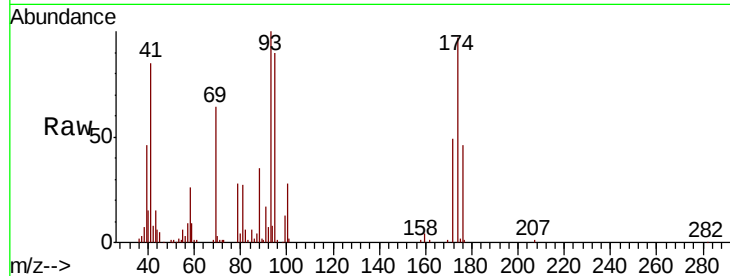
Tgt Ion: 88 Resp: 9847

Ion Ratio Lower Upper

88 100

43 35.2 34.0 51.0

58 79.8 69.7 104.5



#50

Toluene-d8

Concen: 53.897 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012037.D

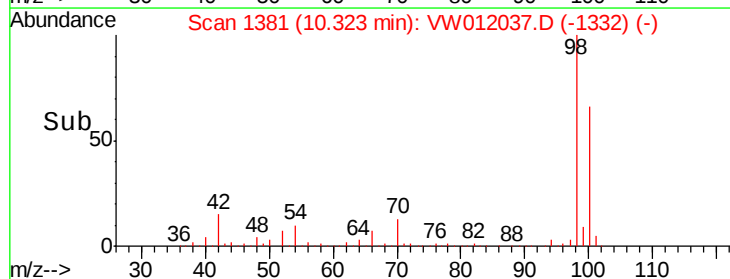
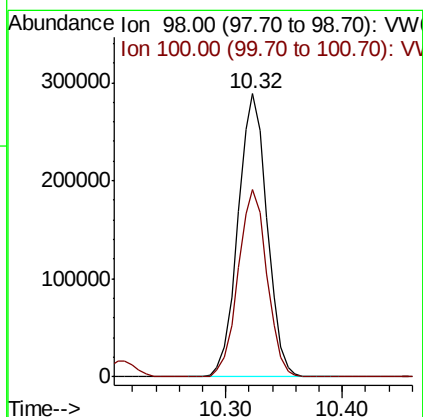
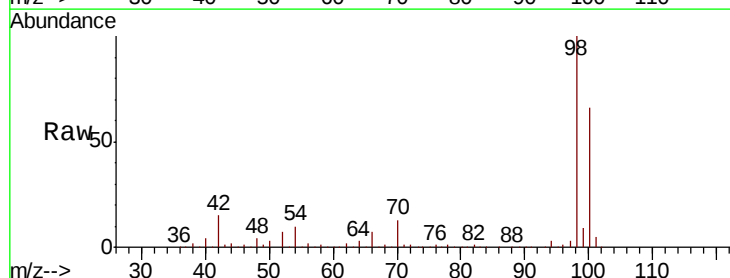
Acq: 20 Aug 2019 18:45

Tgt Ion: 98 Resp: 502165

Ion Ratio Lower Upper

98 100

100 65.7 52.7 79.1

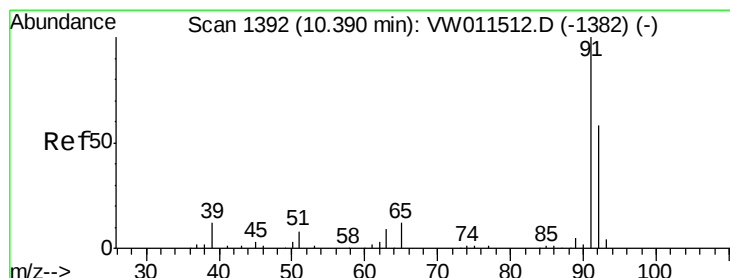
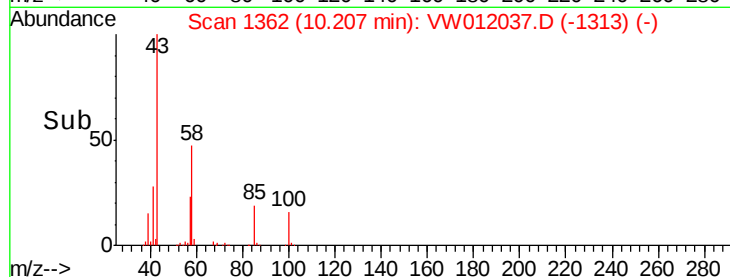
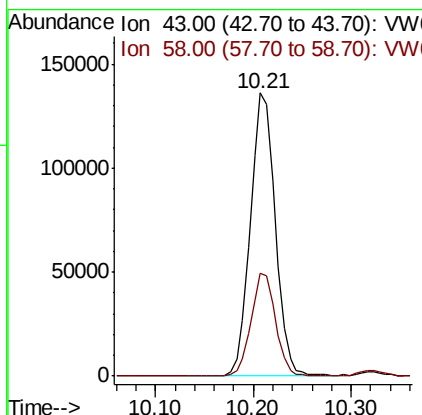
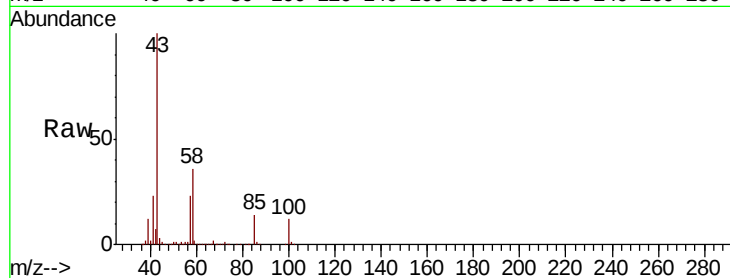




#51
 4-Methyl-2-Pentanone
 Concen: 104.048 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

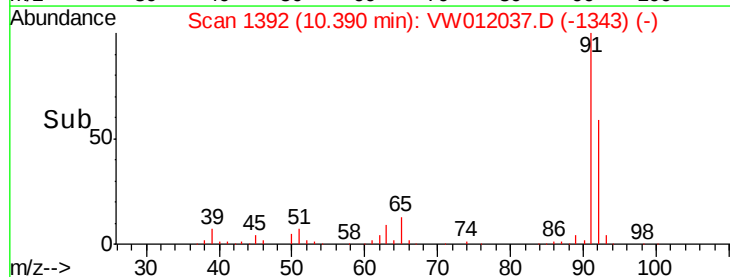
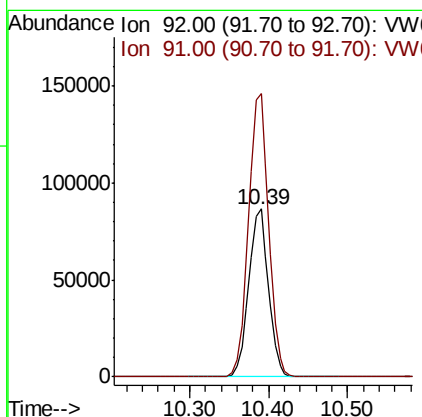
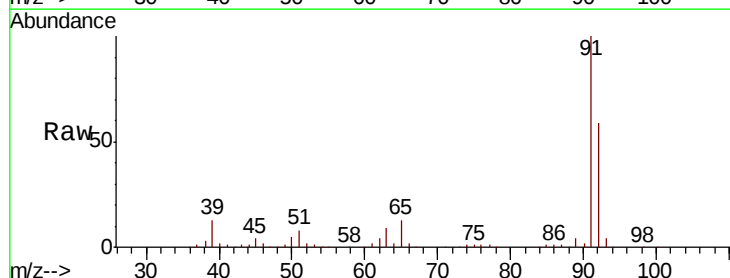
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBSD02

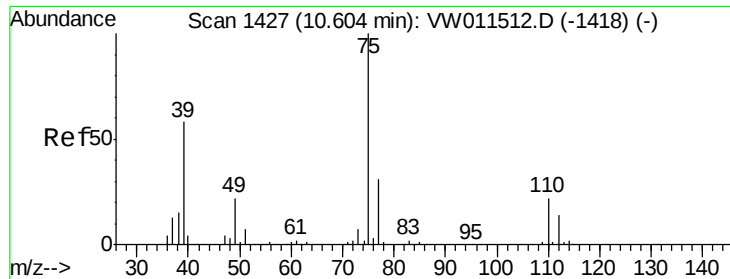
Tgt Ion: 43 Resp: 241525
 Ion Ratio Lower Upper
 43 100
 58 35.6 28.2 42.2



#52
 Toluene
 Concen: 21.126 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

Tgt Ion: 92 Resp: 150725
 Ion Ratio Lower Upper
 92 100
 91 171.4 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 20.403 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

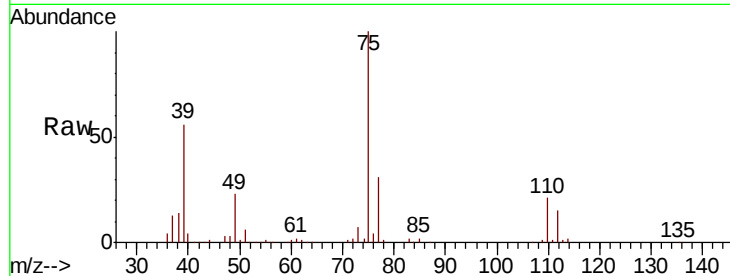
VW0820SBSD02

Tgt Ion: 75 Resp: 80664

Ion Ratio Lower Upper

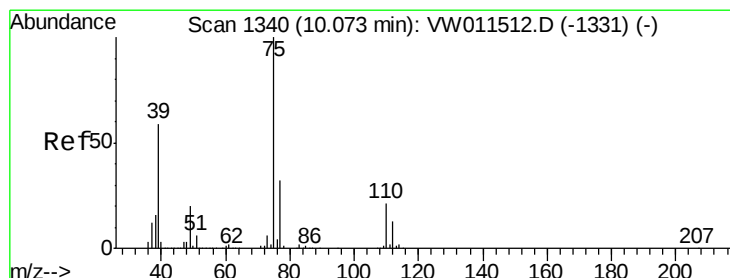
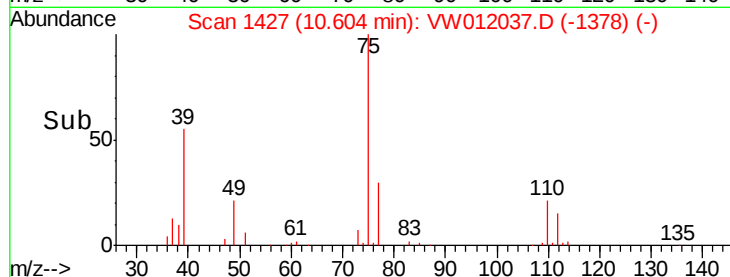
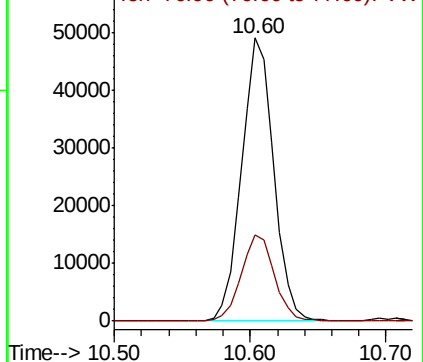
75 100

77 30.7 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 20.551 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

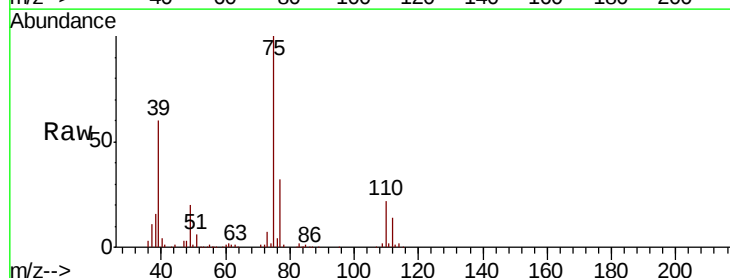
Tgt Ion: 75 Resp: 96605

Ion Ratio Lower Upper

75 100

77 32.4 25.6 38.4

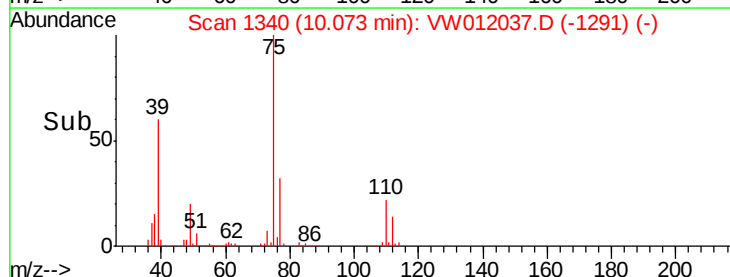
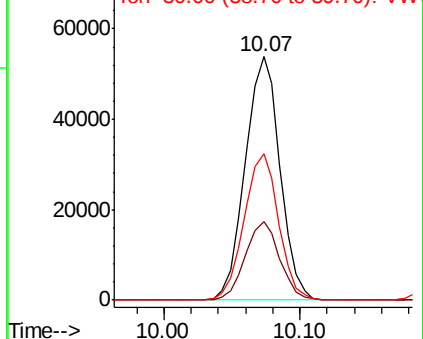
39 59.7 47.0 70.4

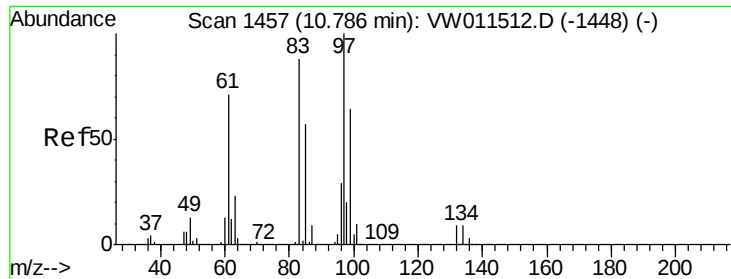


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

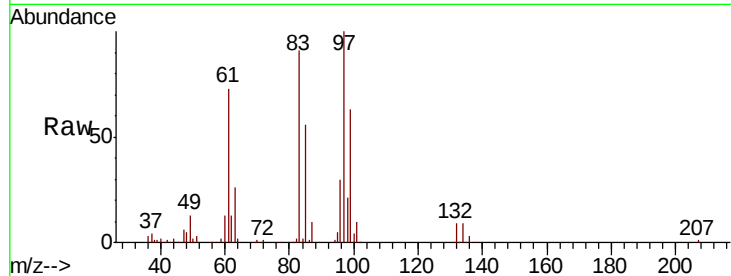




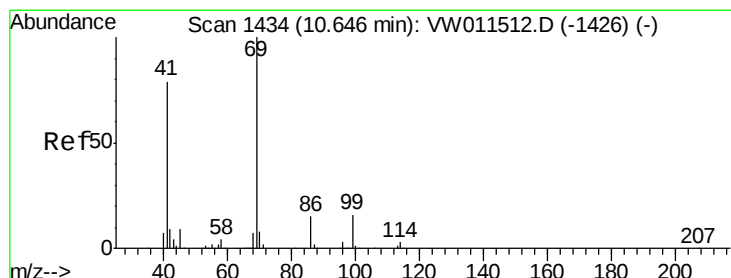
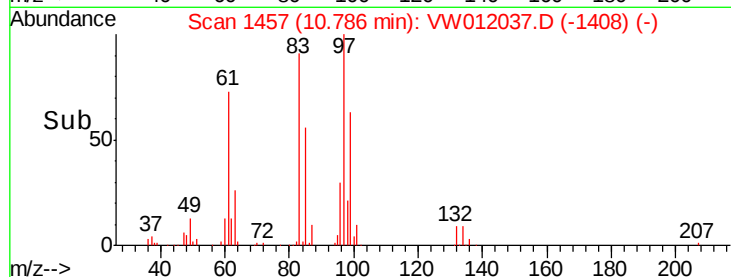
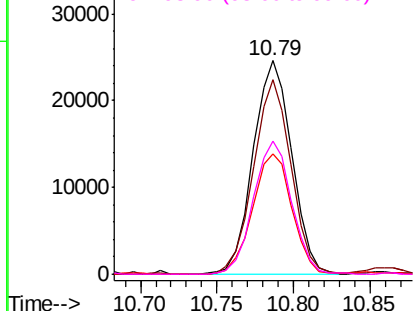
#55
 1,1,2-Trichloroethane
 Concen: 21.101 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBSD02

Tgt Ion:	97	Resp:	43195
Ion	Ratio	Lower	Upper
97	100		
83	90.8	70.5	105.7
85	56.1	45.8	68.6
99	62.5	51.0	76.4

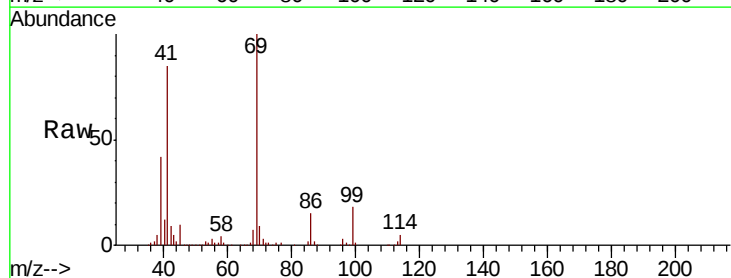


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

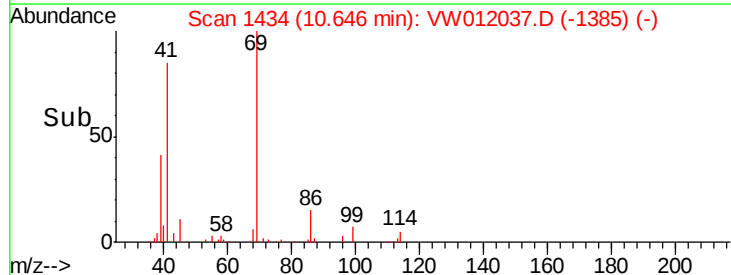
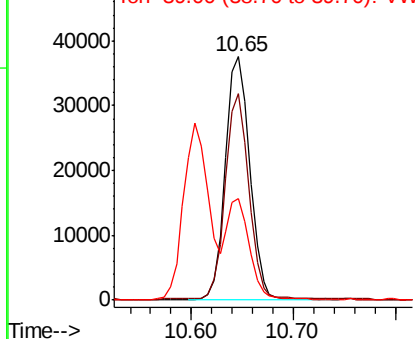


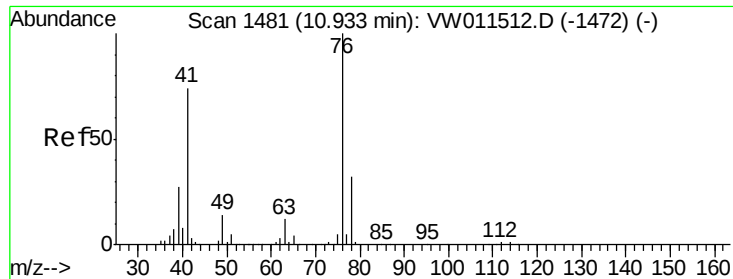
#56
 Ethyl methacrylate
 Concen: 20.958 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

Tgt Ion:	69	Resp:	62782
Ion	Ratio	Lower	Upper
69	100		
41	80.2	66.6	99.8
39	38.3	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

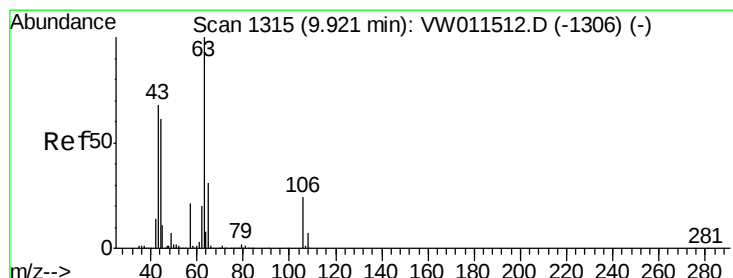
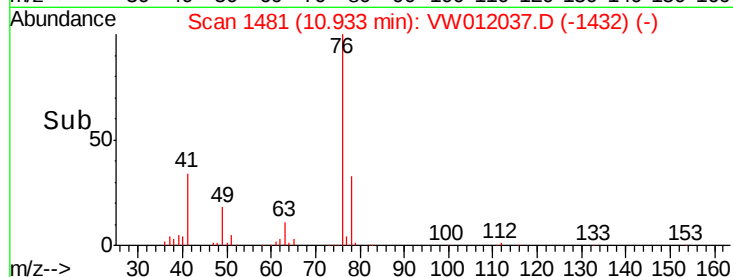
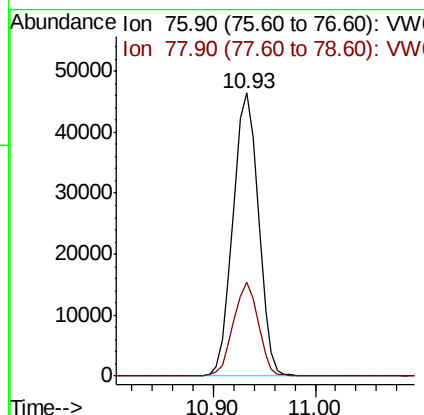
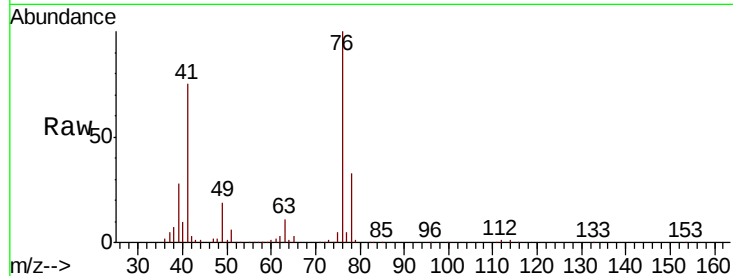




#57
 1,3-Dichloropropane
 Concen: 20.739 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

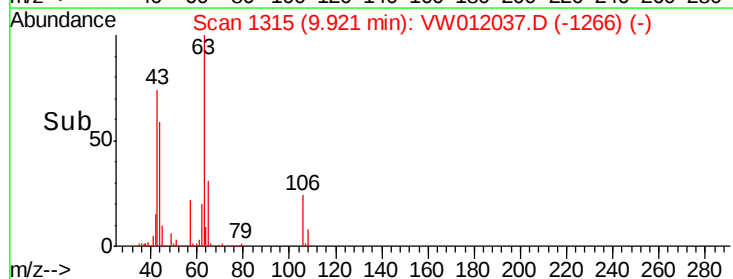
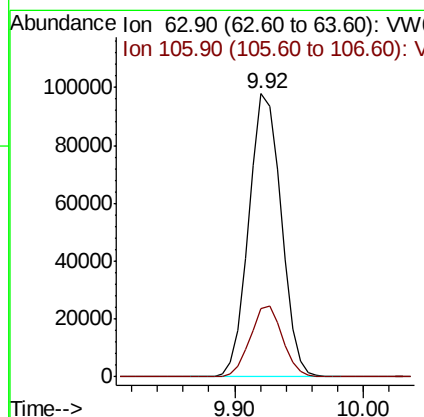
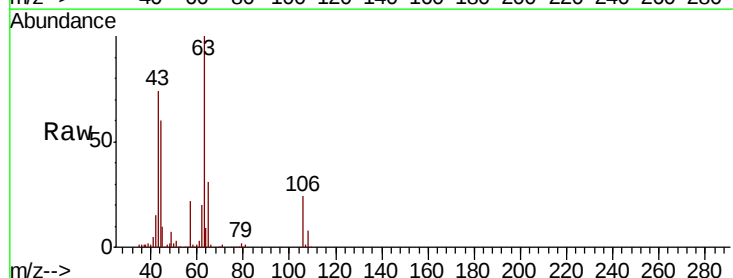
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBSD02

Tgt Ion: 76 Resp: 80321
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 125.012 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

Tgt Ion: 63 Resp: 170029
 Ion Ratio Lower Upper
 63 100
 106 24.8 19.7 29.5

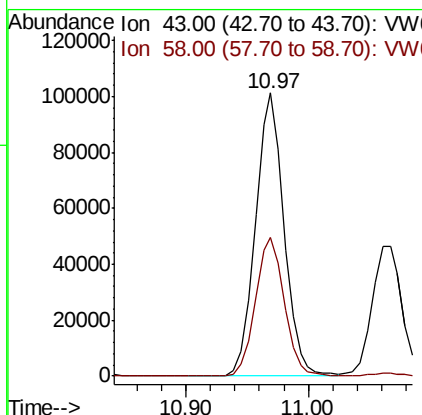
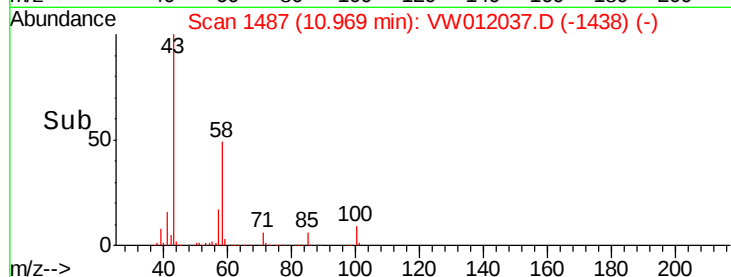
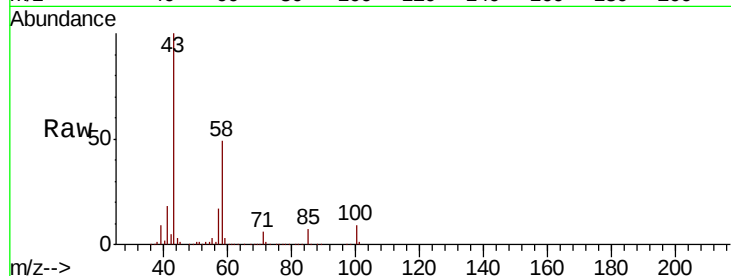




#59
2-Hexanone
Concen: 100.219 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

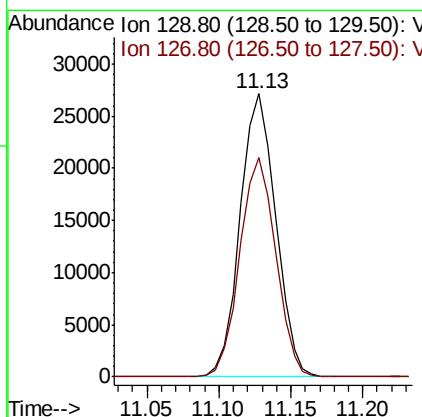
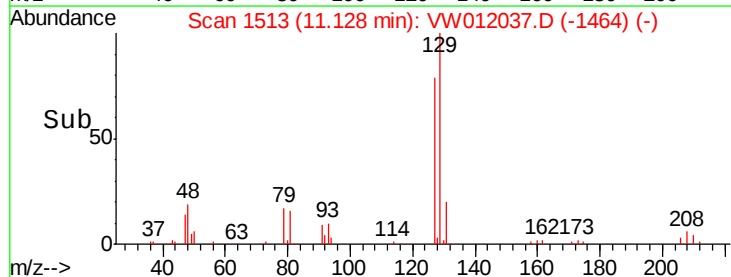
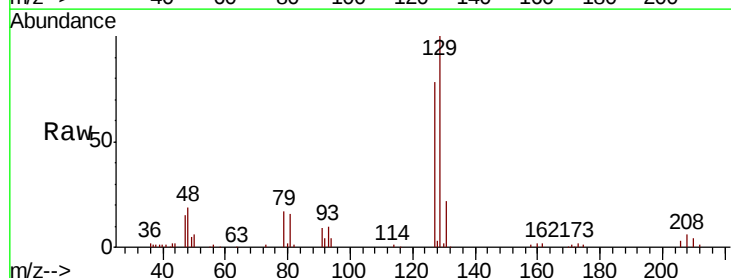
Instrument :
MSVOA_W
ClientSampleId :
VW0820SBSD02

Tgt Ion: 43 Resp: 164256
Ion Ratio Lower Upper
43 100
58 49.7 24.3 72.9



#60
Dibromochloromethane
Concen: 20.528 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

Tgt Ion: 129 Resp: 46647
Ion Ratio Lower Upper
129 100
127 78.3 38.9 116.7

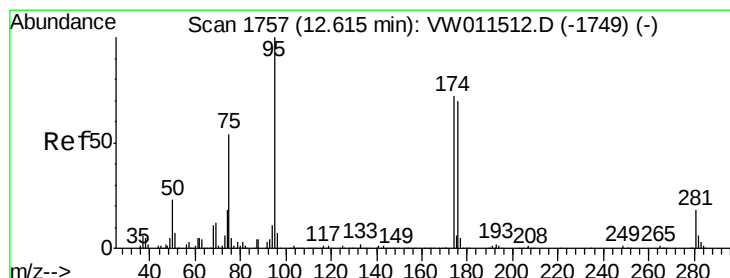
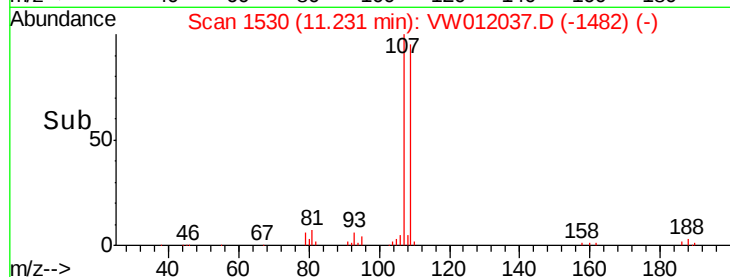
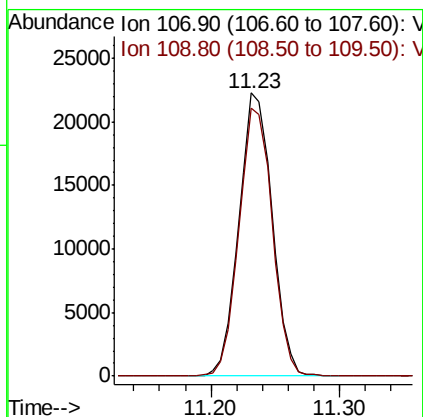
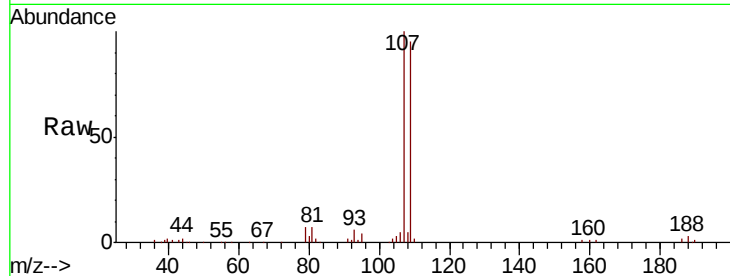




#61
 1,2-Dibromoethane
 Concen: 20.517 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

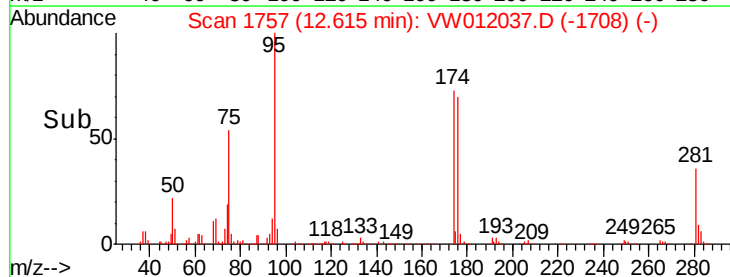
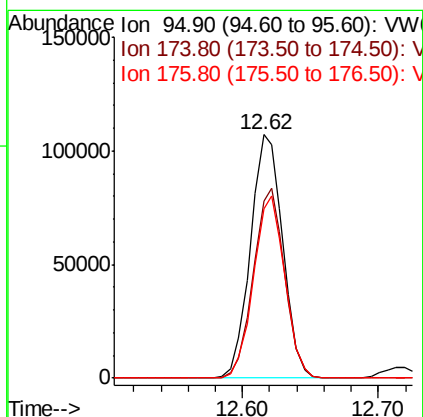
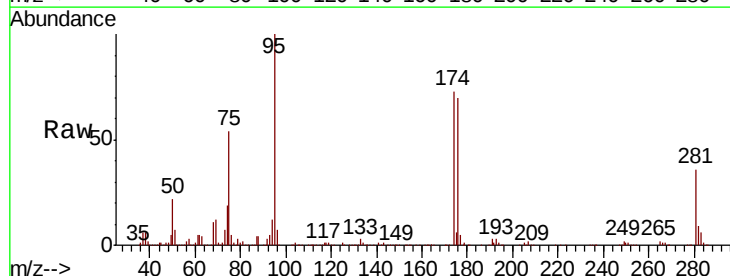
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS02

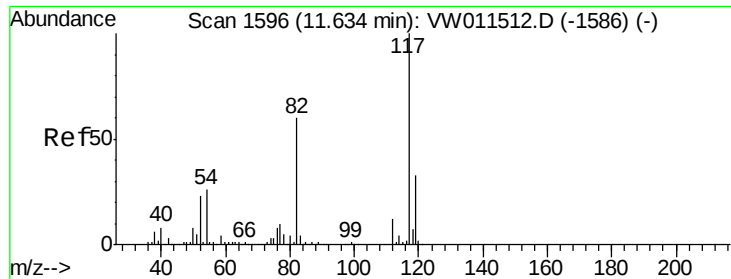
Tgt Ion: 107 Resp: 39746
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 53.603 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

Tgt Ion: 95 Resp: 178057
 Ion Ratio Lower Upper
 95 100
 174 75.7 0.0 150.2
 176 72.9 0.0 144.4

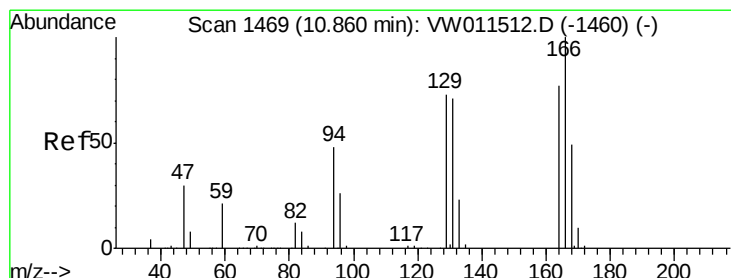
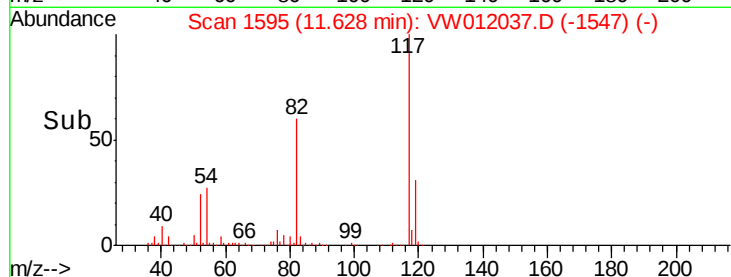
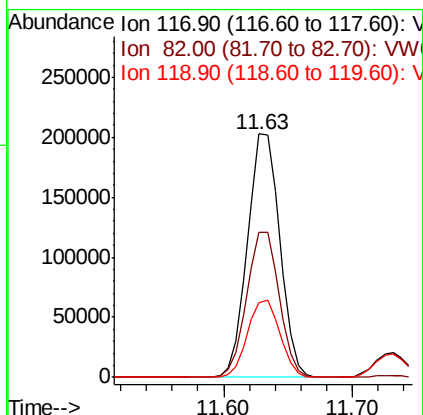
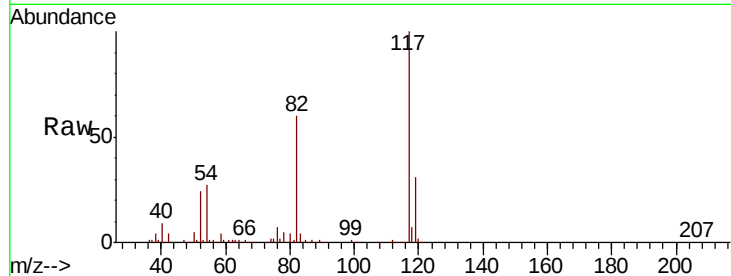




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

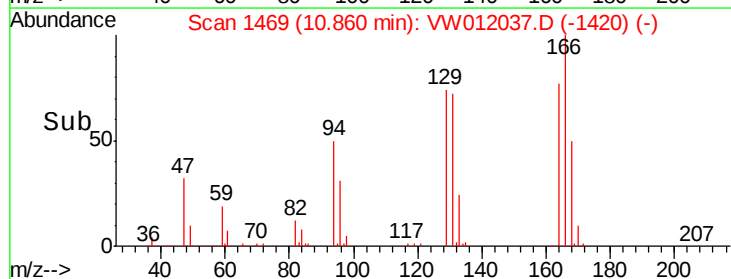
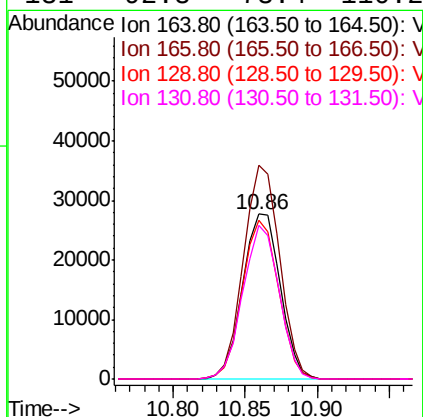
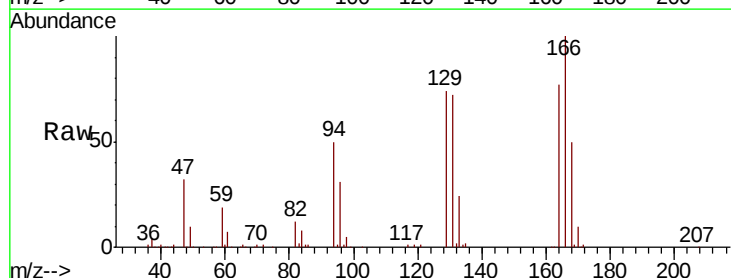
Instrument :
MSVOA_W
ClientSampleId :
VW0820SBSD02

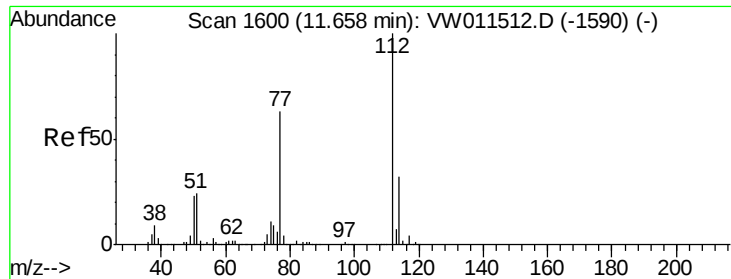
Tgt Ion:117 Resp: 350958
Ion Ratio Lower Upper
117 100
82 59.8 47.9 71.9
119 30.6 26.2 39.2



#64
Tetrachloroethene
Concen: 21.907 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

Tgt Ion:164 Resp: 50061
Ion Ratio Lower Upper
164 100
166 129.5 103.5 155.3
129 96.3 75.2 112.8
131 92.8 73.4 110.2





#65

Chlorobenzene

Concen: 21.422 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

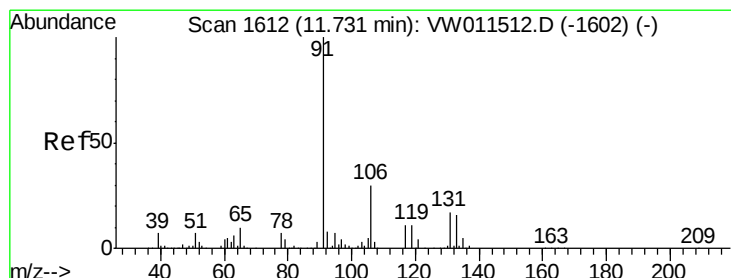
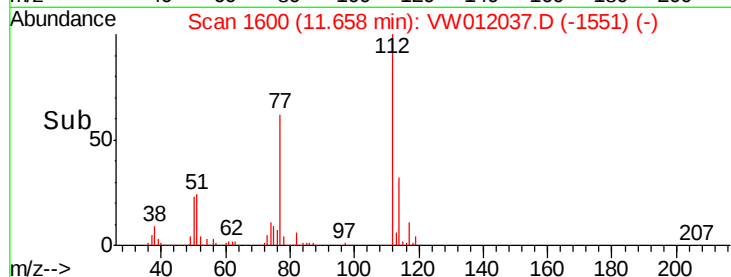
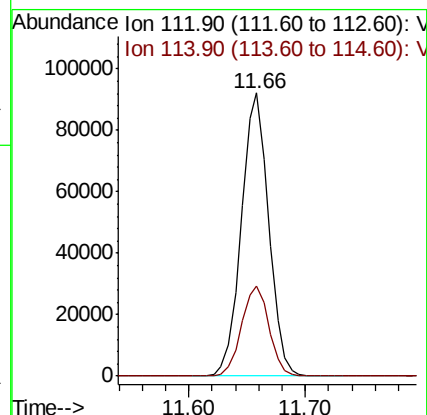
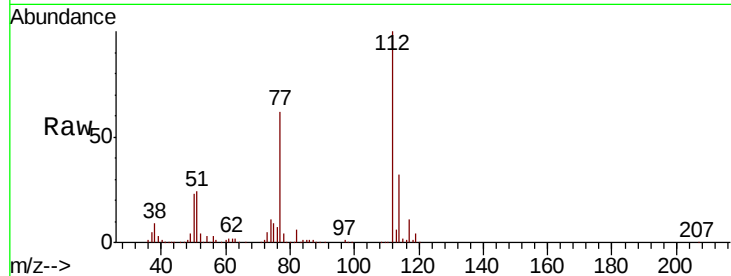
VW0820SBSD02

Tgt Ion:112 Resp: 151152

Ion Ratio Lower Upper

112 100

114 31.7 25.6 38.4



#66

1,1,1,2-Tetrachloroethane

Concen: 21.251 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

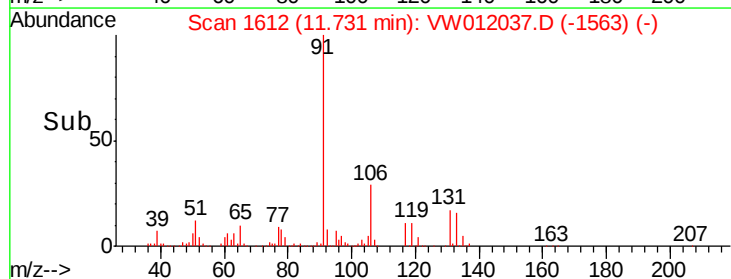
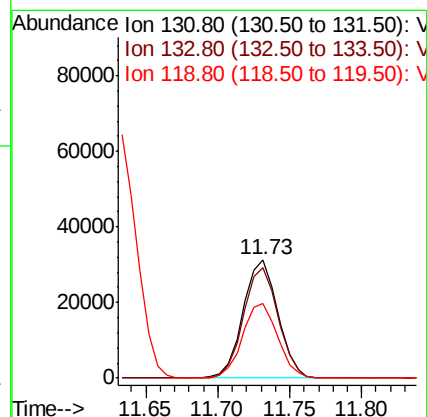
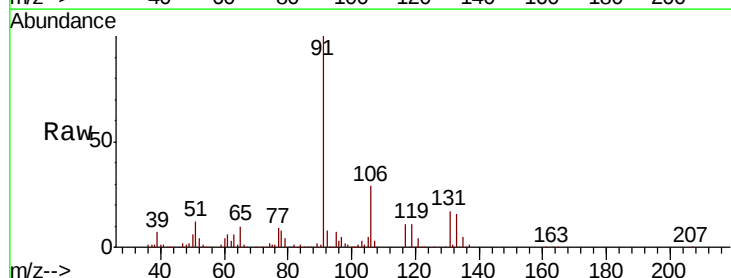
Tgt Ion:131 Resp: 52230

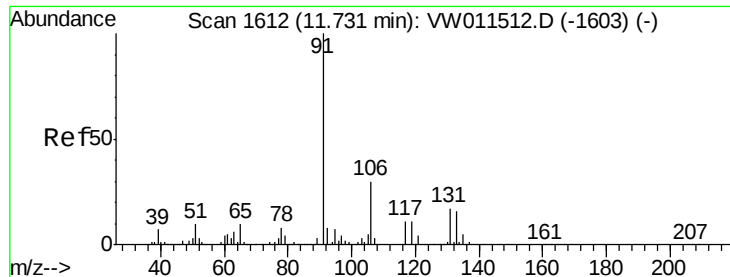
Ion Ratio Lower Upper

131 100

133 93.8 47.4 142.2

119 64.1 32.3 96.9

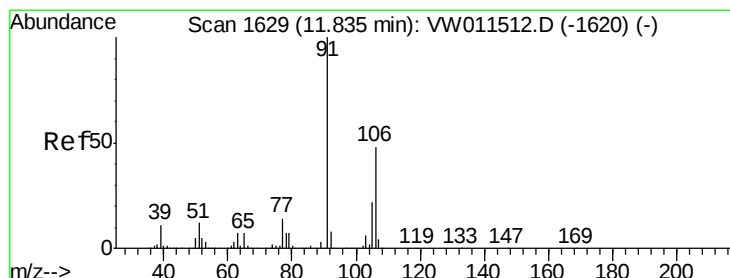
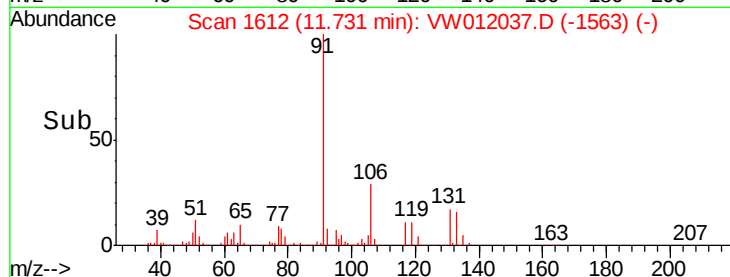
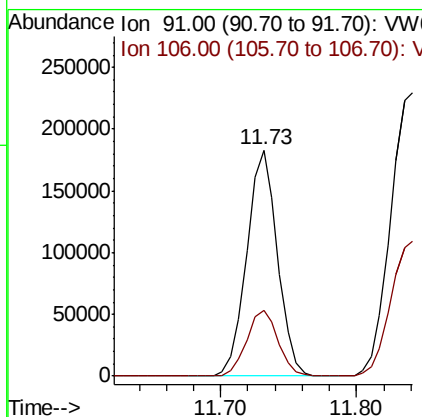
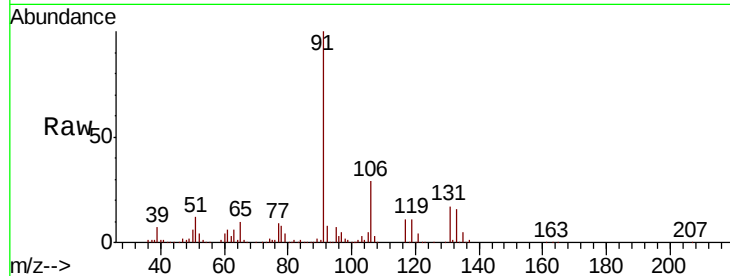




#67
Ethyl Benzene
Concen: 21.502 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

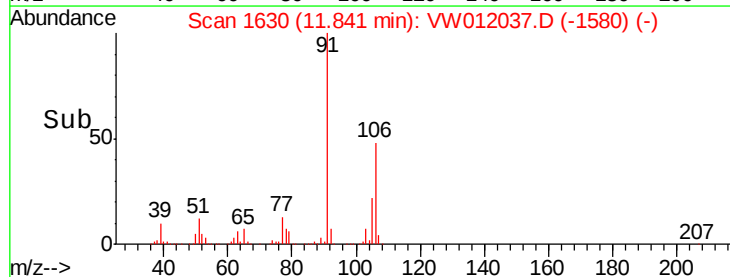
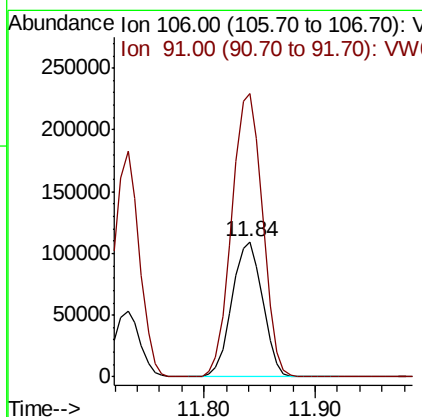
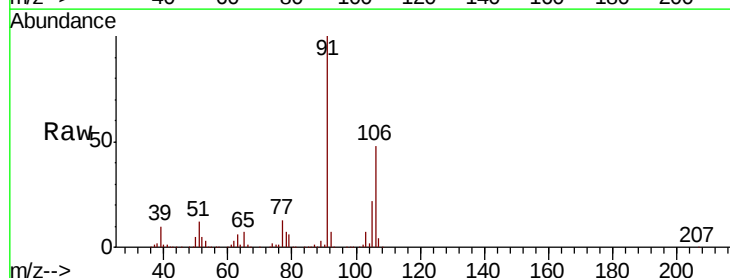
Instrument :
MSVOA_W
ClientSampleId :
VW0820SBSD02

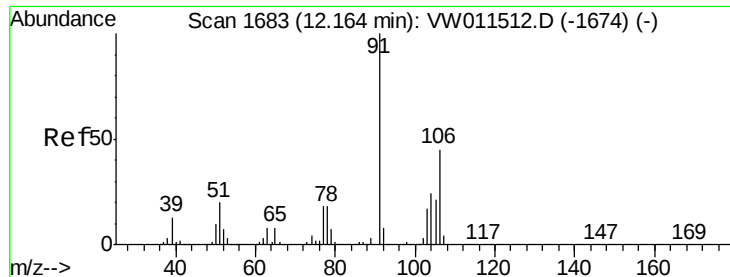
Tgt Ion: 91 Resp: 288952
Ion Ratio Lower Upper
91 100
106 29.0 23.8 35.6



#68
m/p-Xylenes
Concen: 42.651 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

Tgt Ion: 106 Resp: 208439
Ion Ratio Lower Upper
106 100
91 210.9 168.2 252.2

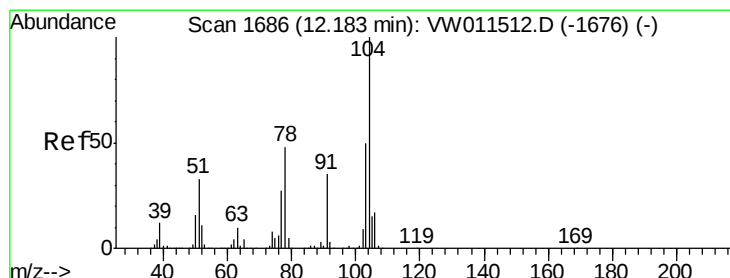
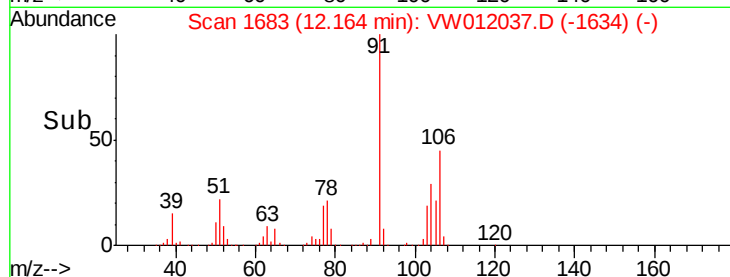
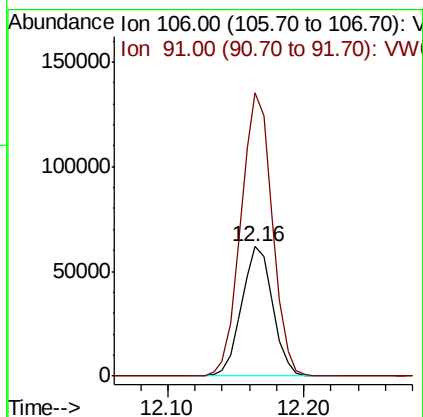
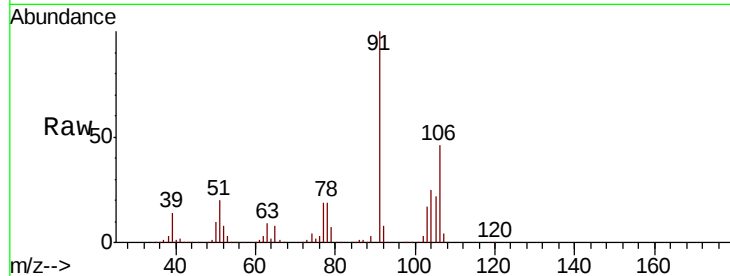




#69
o-Xylene
Concen: 21.769 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

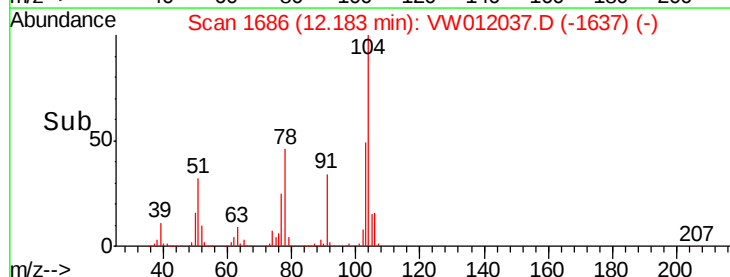
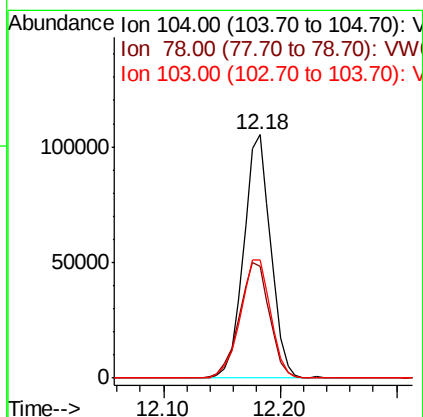
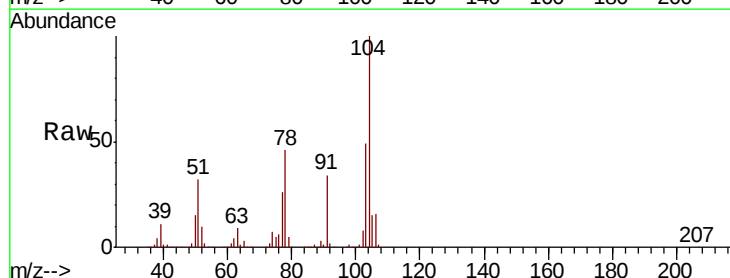
Instrument :
MSVOA_W
ClientSampleId :
VW0820SBSD02

Tgt Ion:106 Resp: 98860
Ion Ratio Lower Upper
106 100
91 220.5 110.5 331.5



#70
Styrene
Concen: 21.730 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

Tgt Ion:104 Resp: 170623
Ion Ratio Lower Upper
104 100
78 53.0 43.4 65.0
103 54.4 43.9 65.9





#71

Bromoform

Concen: 20.574 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBSD02

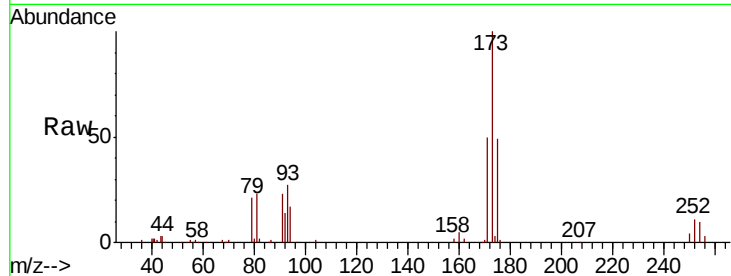
Tgt Ion:173 Resp: 25782

Ion Ratio Lower Upper

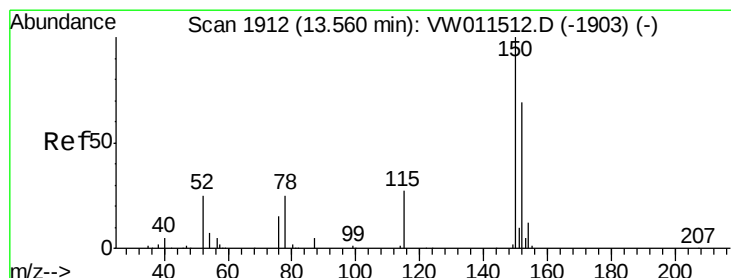
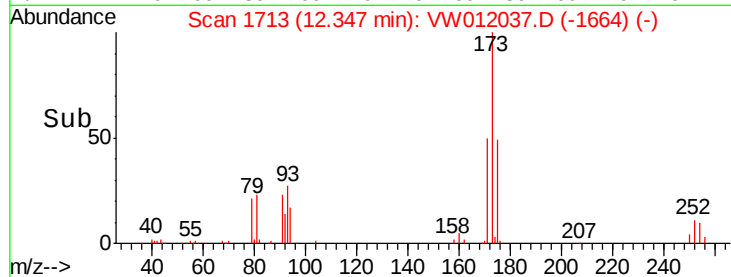
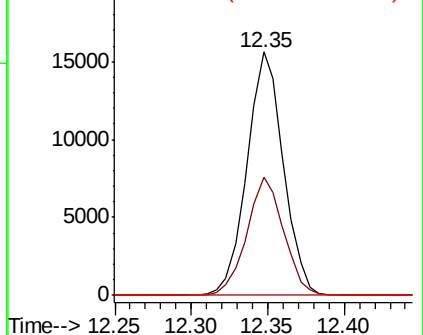
173 100

175 49.0 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: VW012037.D

Acq: 20 Aug 2019 18:45

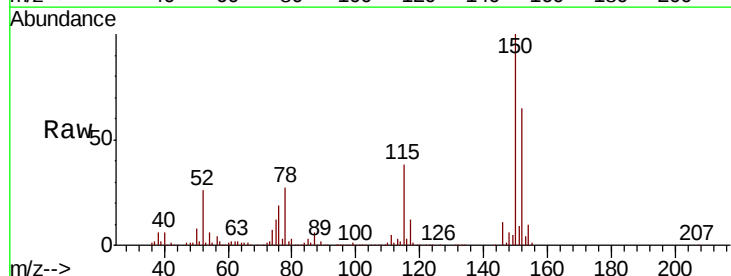
Tgt Ion:152 Resp: 169610

Ion Ratio Lower Upper

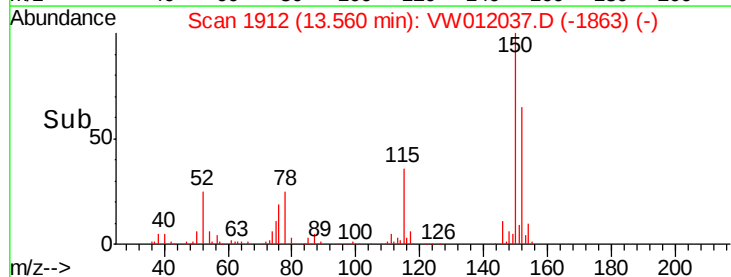
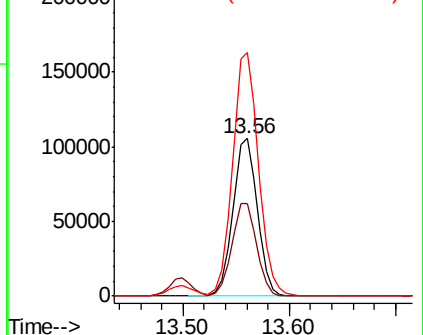
152 100

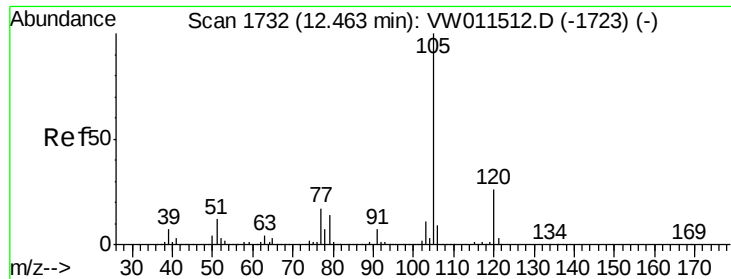
115 60.0 30.5 91.5

150 163.5 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: 21.603 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

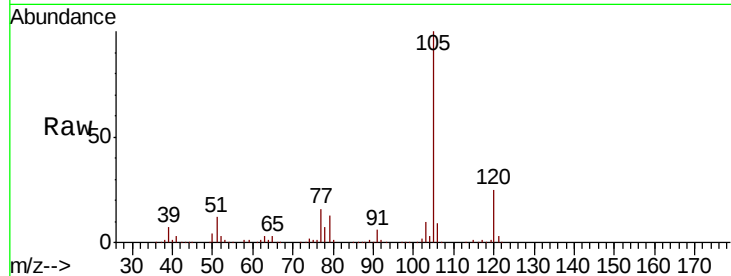
VW0820SBSD02

Tgt Ion: 105 Resp: 273355

Ion Ratio Lower Upper

105 100

120 25.4 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

50000

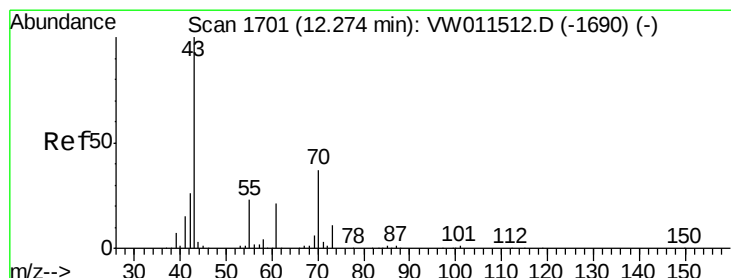
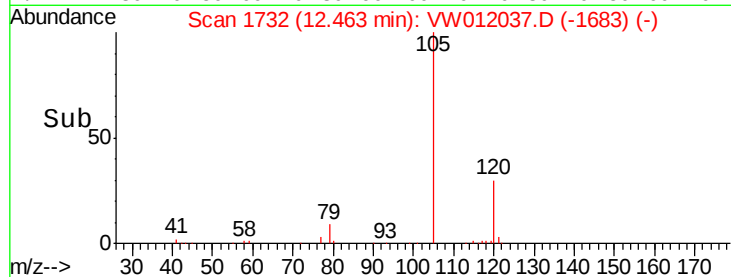
0

12.46

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 21.149 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Tgt Ion: 43 Resp: 83782

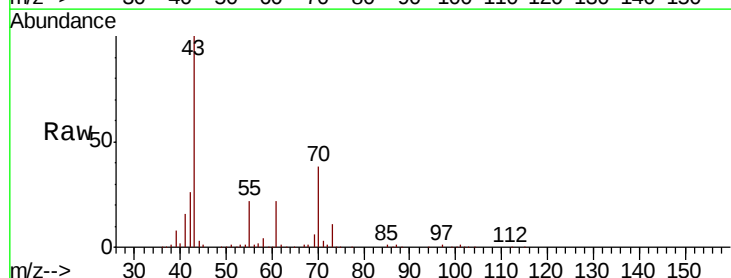
Ion Ratio Lower Upper

43 100

70 36.1 28.6 43.0

55 22.8 17.8 26.8

61 20.9 17.0 25.6



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

80000

60000

40000

20000

0

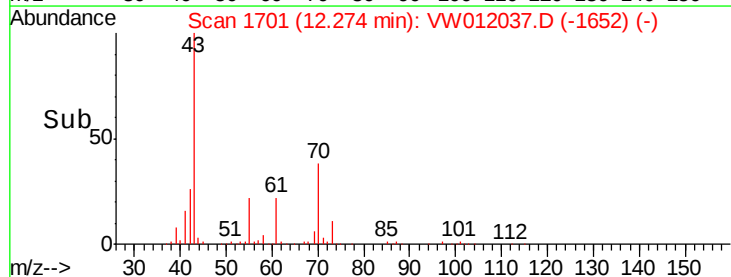
12.27

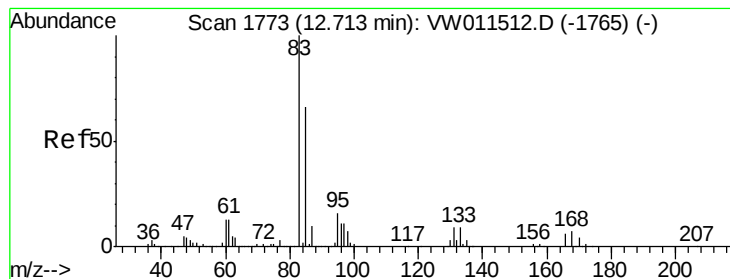
12.20

12.30

12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.540 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBSD02

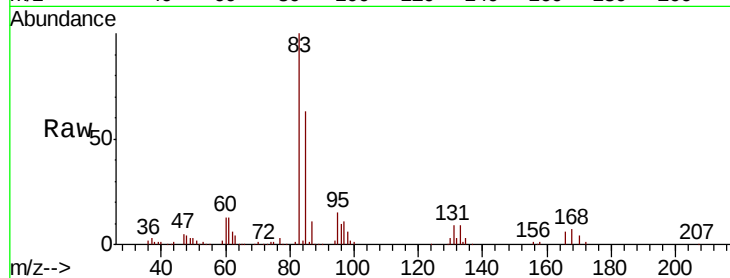
Tgt Ion: 83 Resp: 51268

Ion Ratio Lower Upper

83 100

131 9.9 4.9 14.6

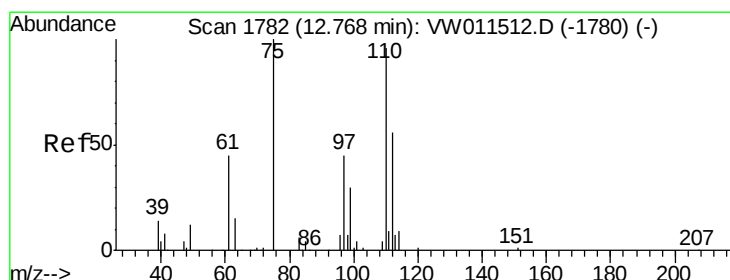
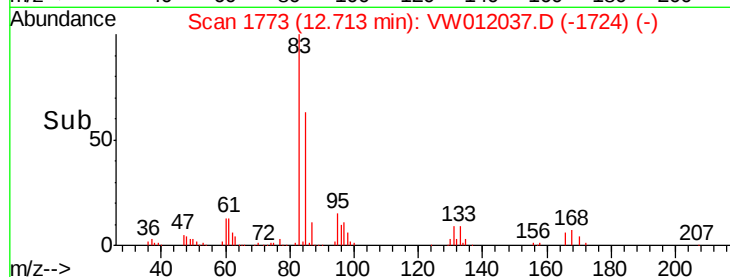
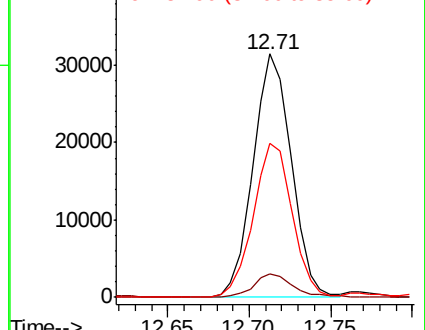
85 64.3 31.8 95.4



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: 37.451 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW012037.D

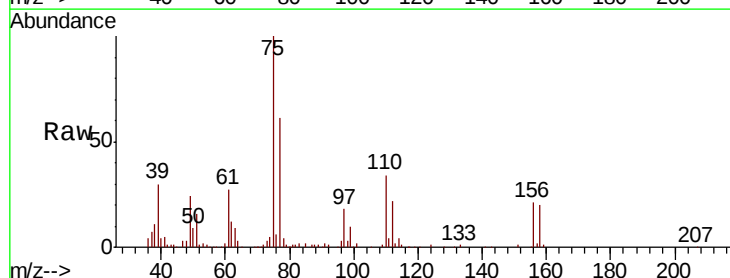
Acq: 20 Aug 2019 18:45

Tgt Ion: 75 Resp: 67212

Ion Ratio Lower Upper

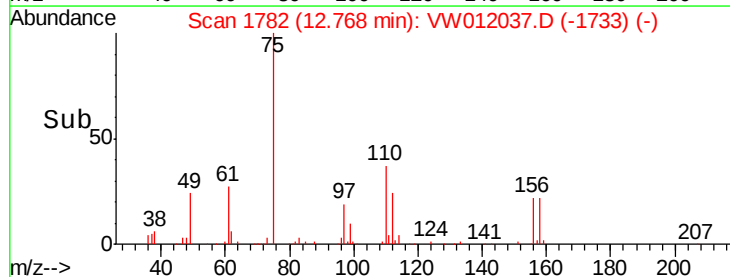
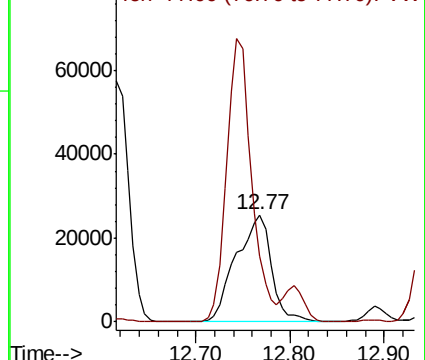
75 100

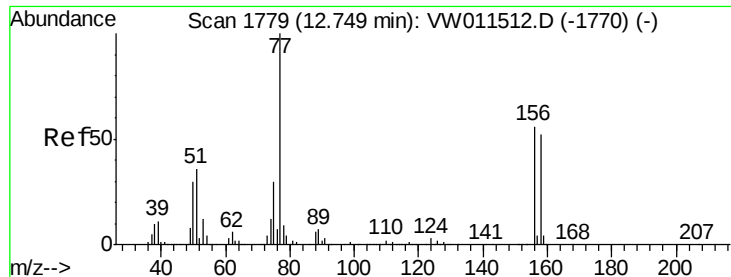
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.518 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBSD02

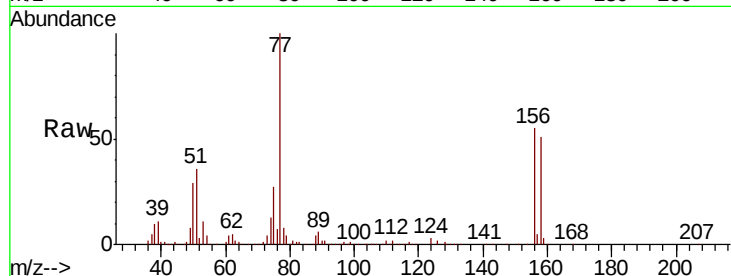
Tgt Ion: 156 Resp: 60181

Ion Ratio Lower Upper

156 100

77 208.6 106.5 319.4

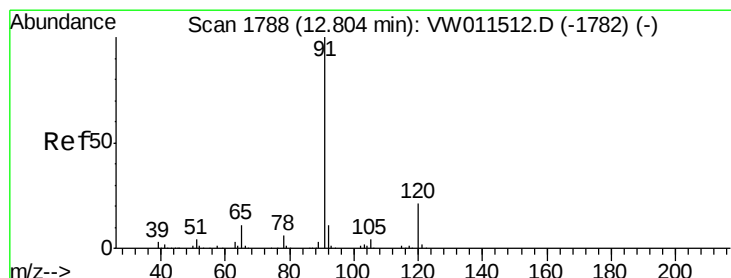
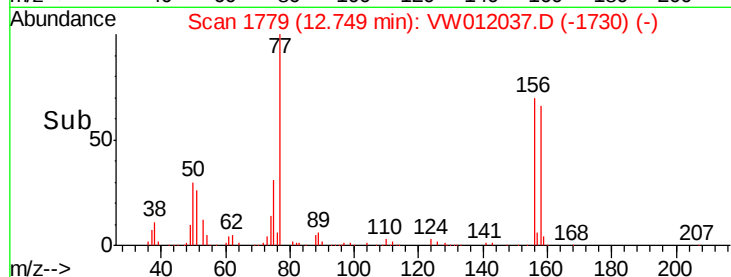
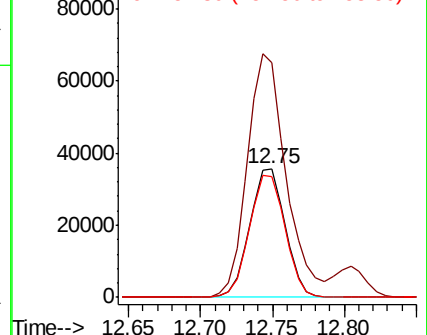
158 96.0 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.601 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012037.D

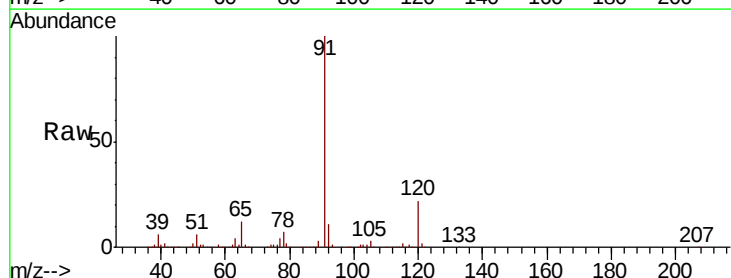
Acq: 20 Aug 2019 18:45

Tgt Ion: 91 Resp: 332636

Ion Ratio Lower Upper

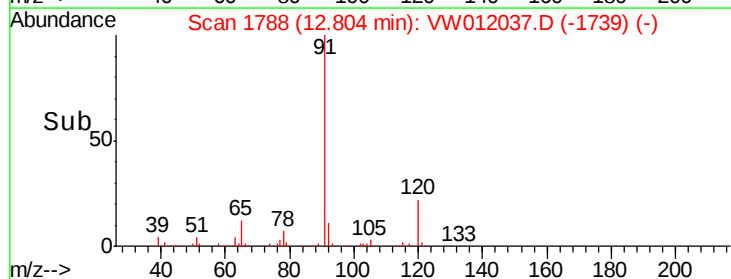
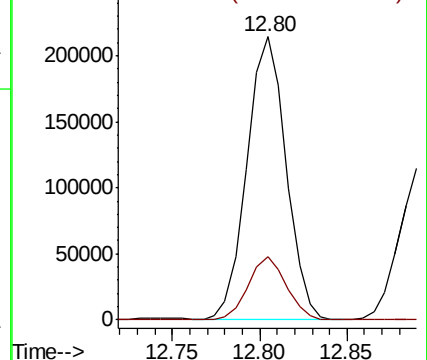
91 100

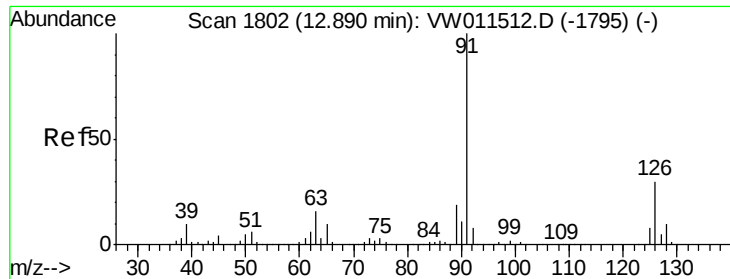
120 21.7 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

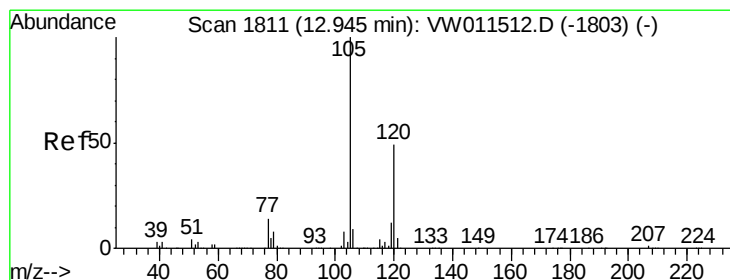
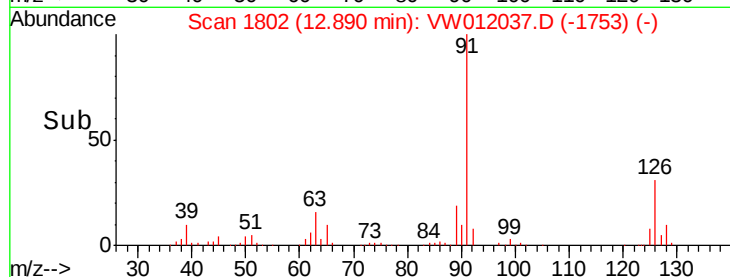
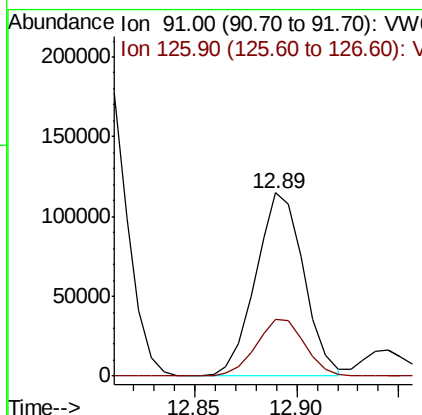
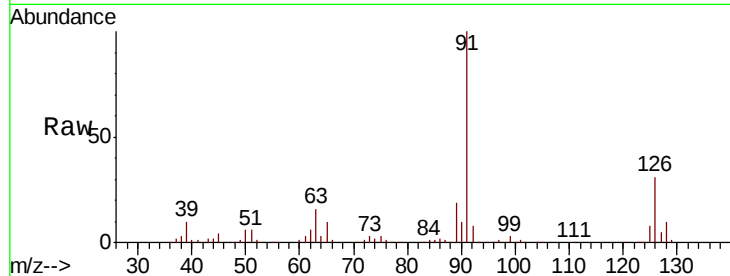




#79
 2-Chlorotoluene
 Concen: 21.193 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

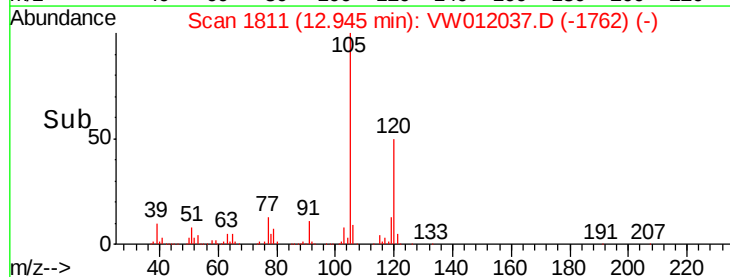
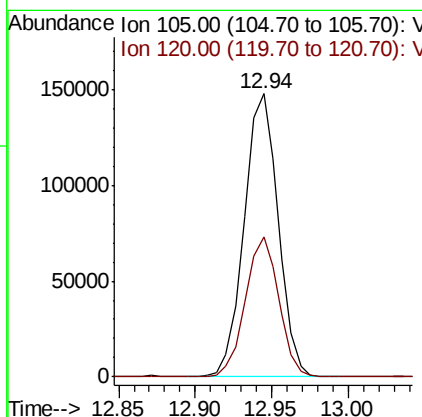
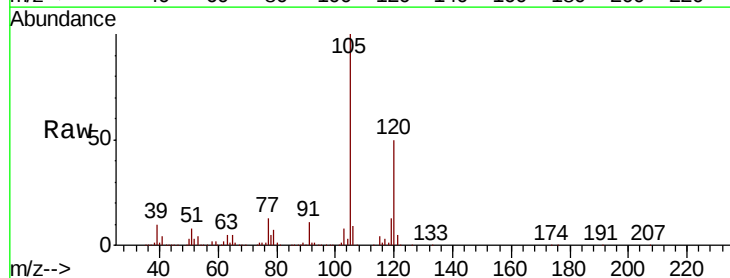
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS02

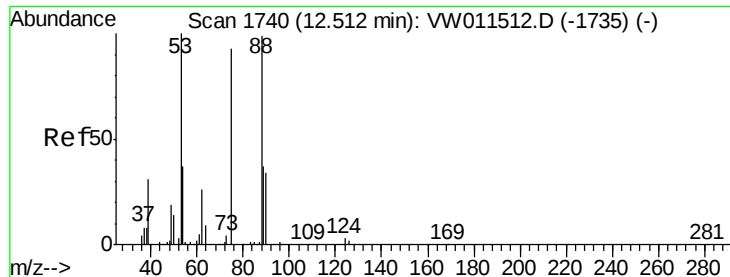
Tgt Ion: 91 Resp: 188017
 Ion Ratio Lower Upper
 91 100
 126 31.7 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 21.472 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

Tgt Ion: 105 Resp: 227750
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 20.721 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBSD02

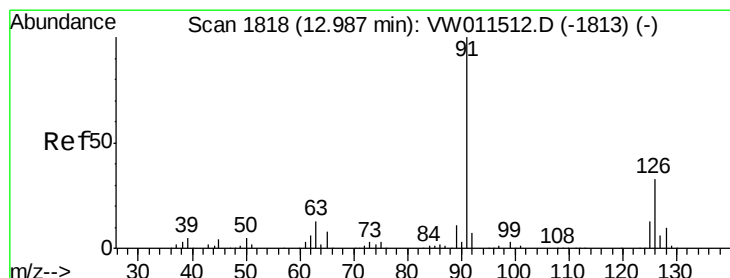
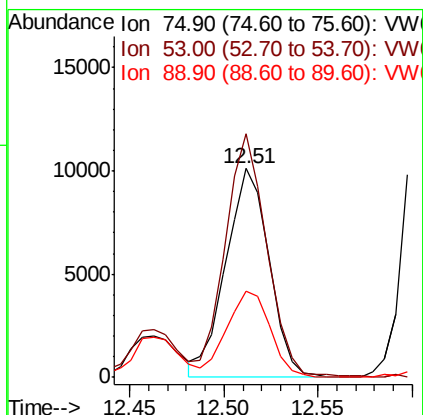
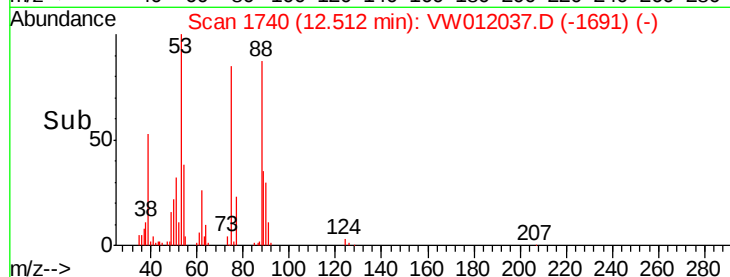
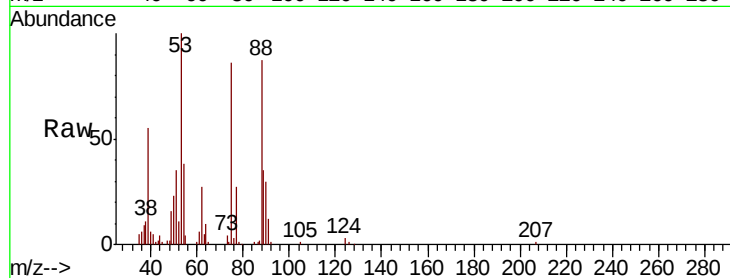
Tgt Ion: 75 Resp: 16136

Ion Ratio Lower Upper

75 100

53 113.0 88.0 132.0

89 41.3 35.3 52.9



#82

4-Chlorotoluene

Concen: 21.263 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012037.D

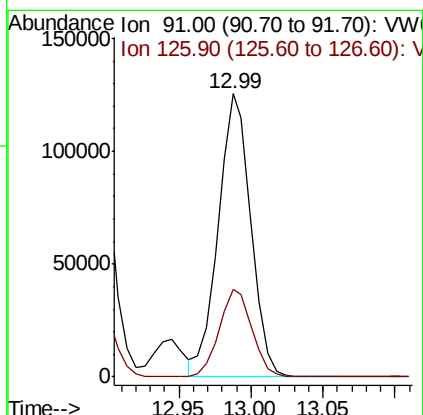
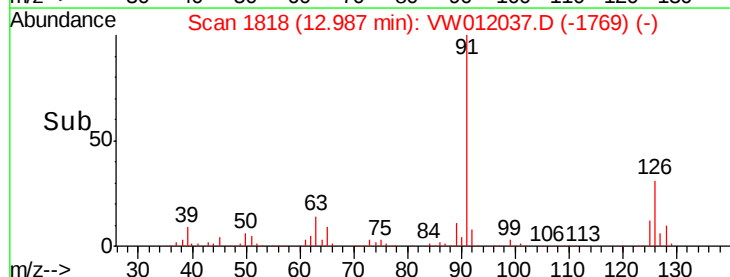
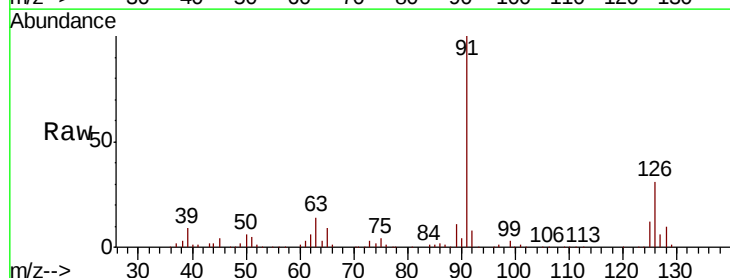
Acq: 20 Aug 2019 18:45

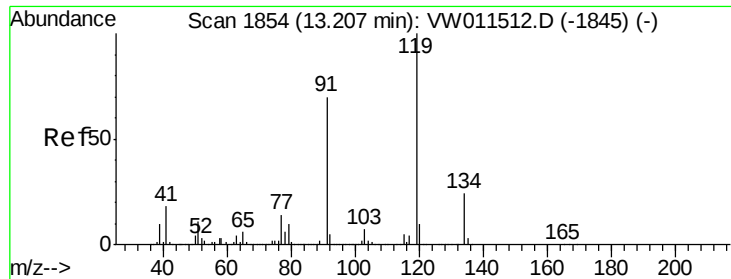
Tgt Ion: 91 Resp: 197919

Ion Ratio Lower Upper

91 100

126 31.1 15.6 46.8

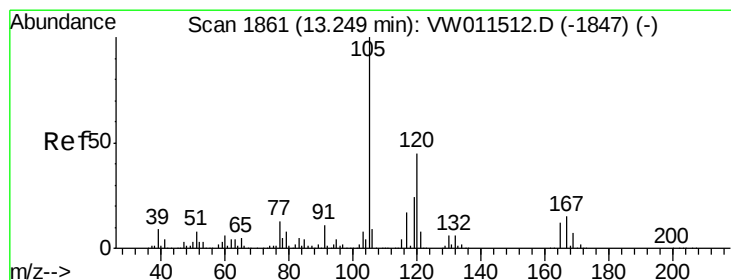
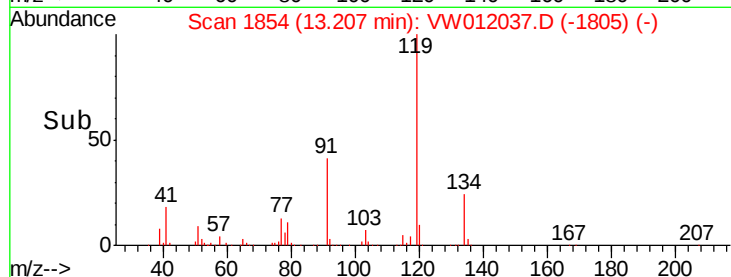
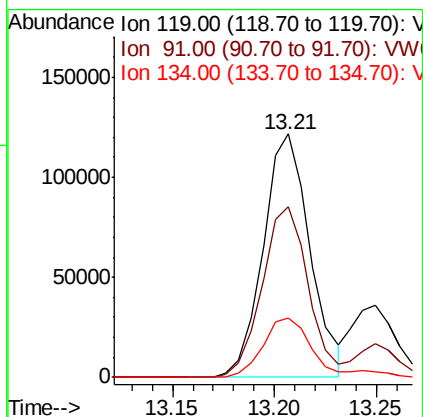
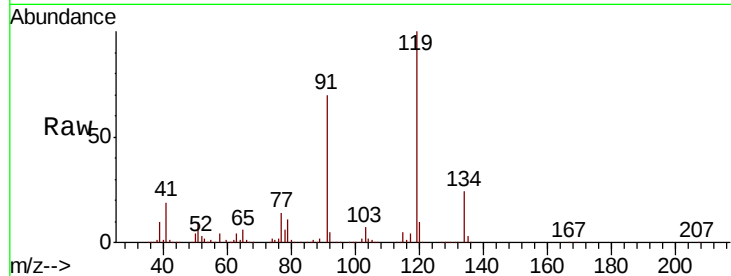




#83
 tert-Butylbenzene
 Concen: 21.899 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

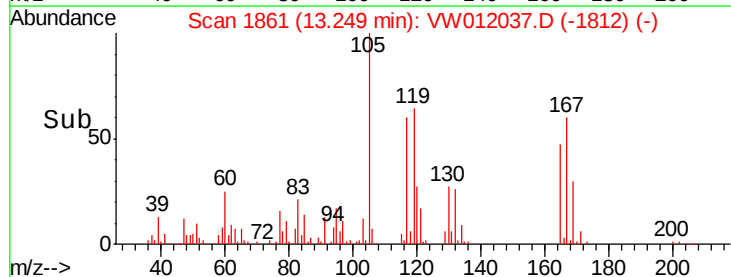
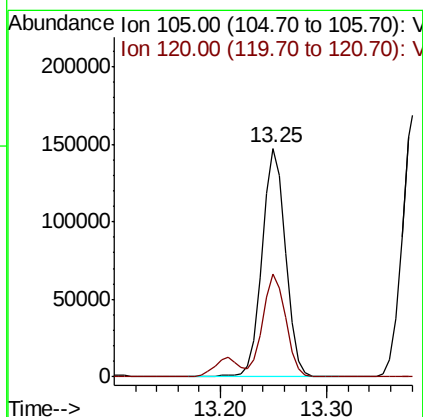
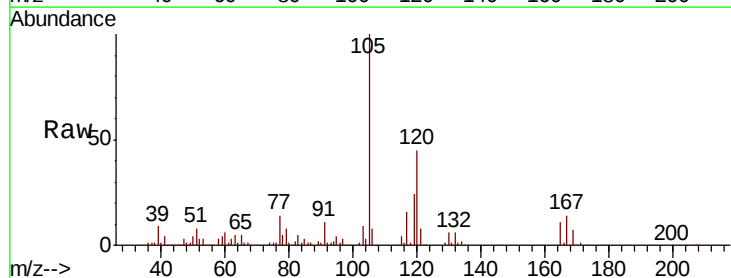
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBSD02

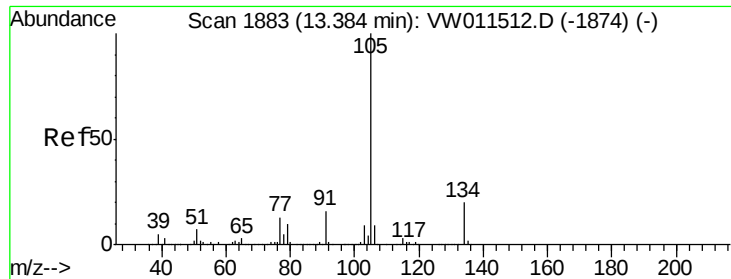
Tgt Ion:119 Resp: 194242
 Ion Ratio Lower Upper
 119 100
 91 69.0 34.5 103.6
 134 25.0 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 21.367 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

Tgt Ion:105 Resp: 228301
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.1 66.5

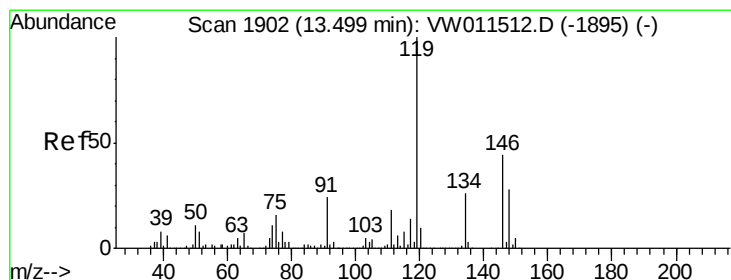
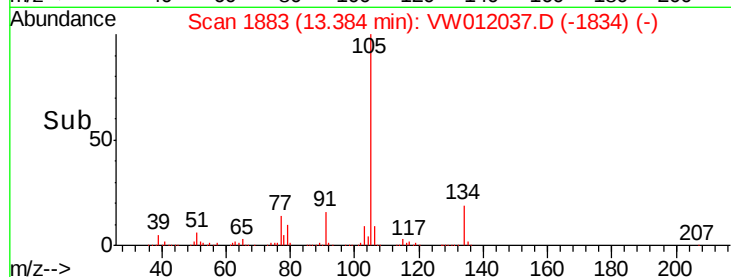
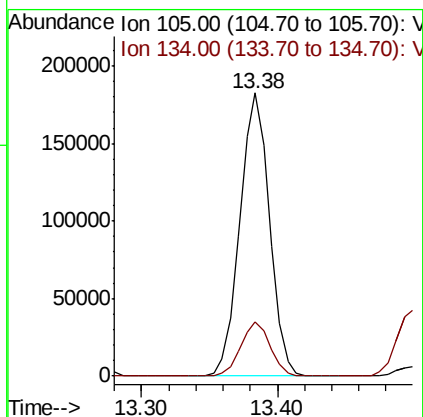
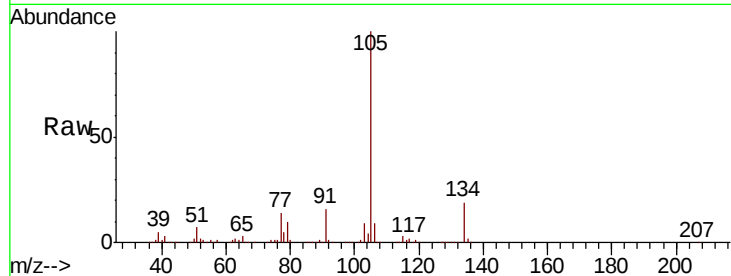




#85
 sec-Butylbenzene
 Concen: 21.888 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

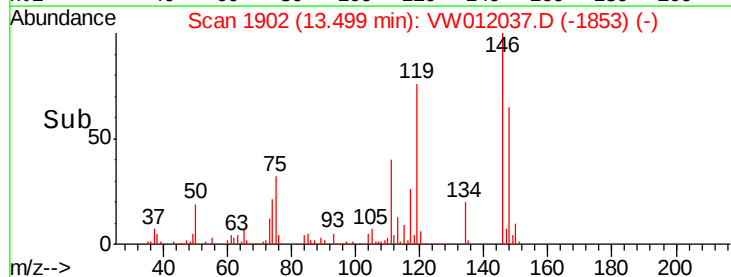
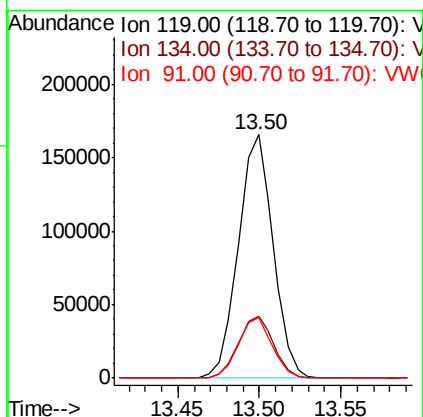
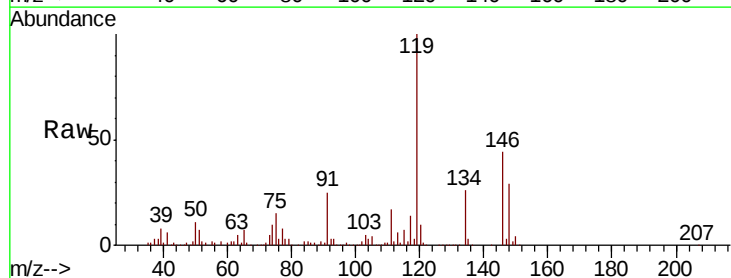
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBSD02

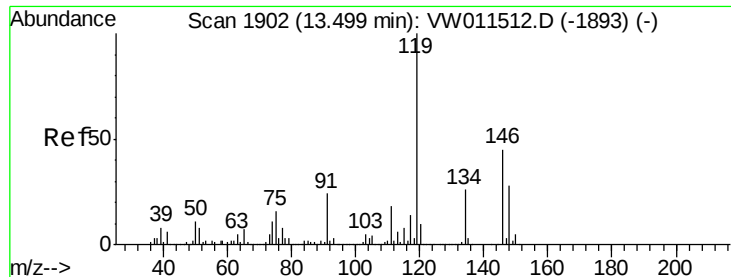
Tgt Ion:105 Resp: 277011
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 21.370 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

Tgt Ion:119 Resp: 245395
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.8 38.4
 91 24.6 12.1 36.3

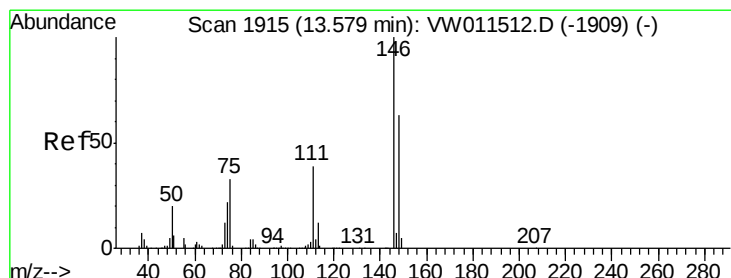
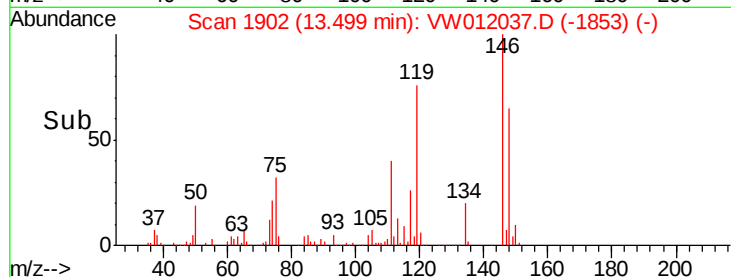
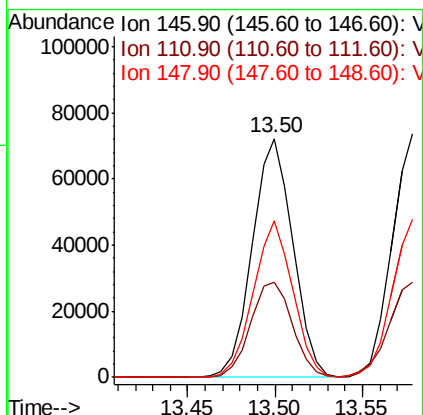
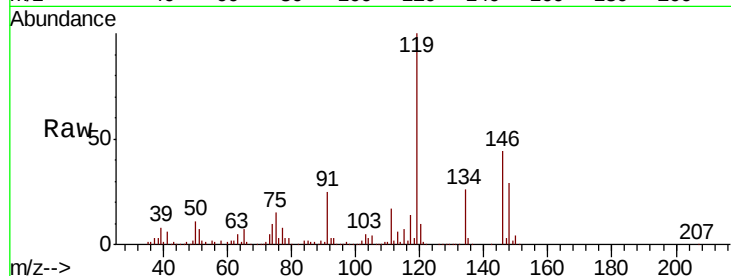




#87
 1,3-Dichlorobenzene
 Concen: 21.171 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

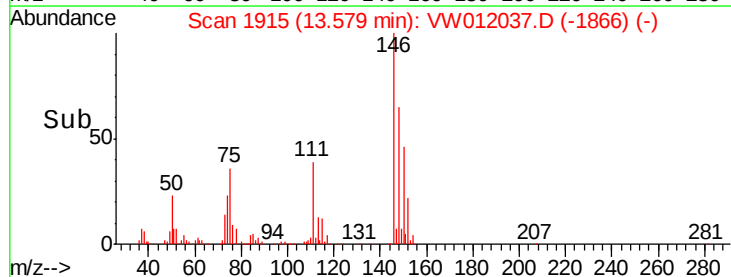
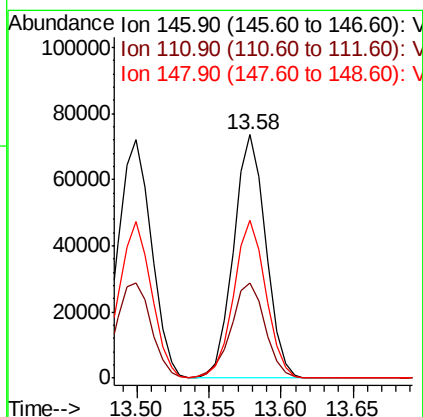
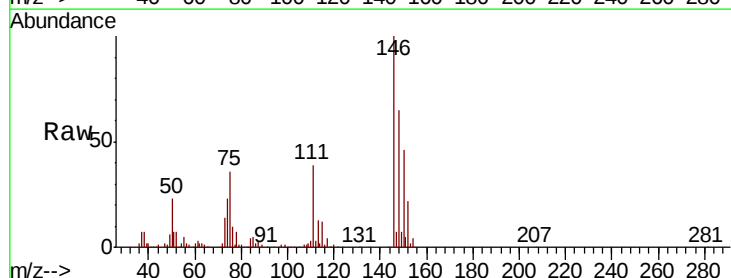
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS02

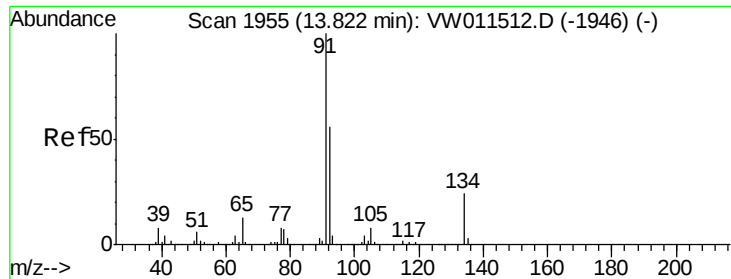
Tgt Ion:146 Resp: 116101
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.5 61.6
 148 63.7 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 21.052 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

Tgt Ion:146 Resp: 114841
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.1 60.2
 148 64.9 31.9 95.9





#89

n-Butylbenzene

Concen: 21.102 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBSD02

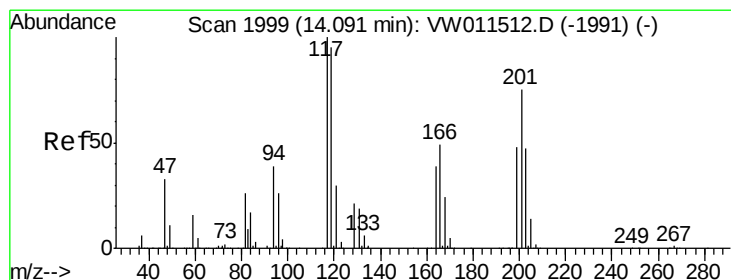
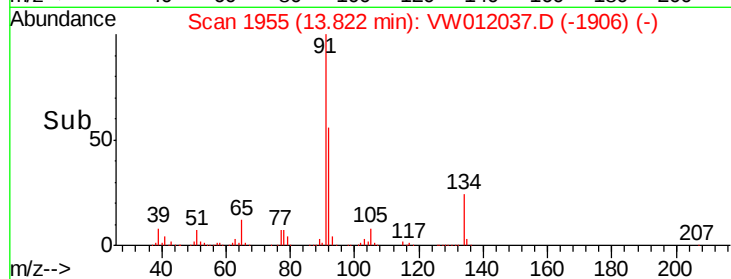
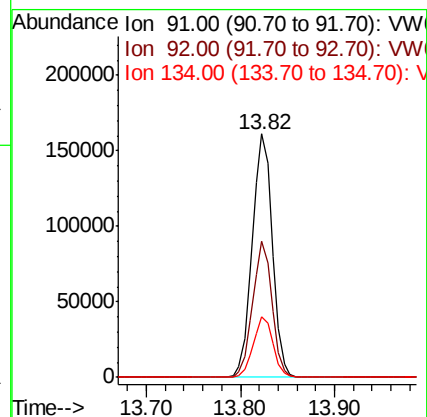
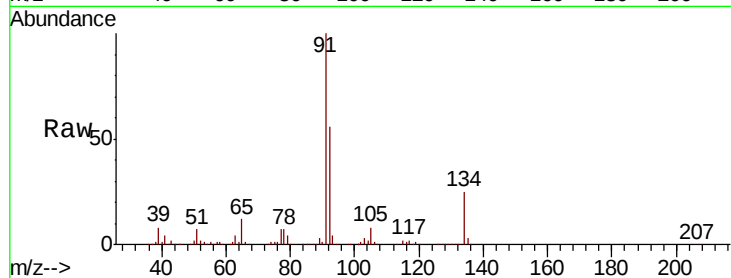
Tgt Ion: 91 Resp: 241819

Ion Ratio Lower Upper

91 100

92 53.8 27.5 82.4

134 24.4 12.2 36.6



#90

Hexachloroethane

Concen: 20.932 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW012037.D

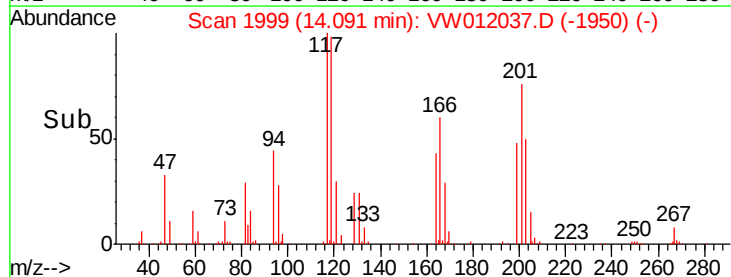
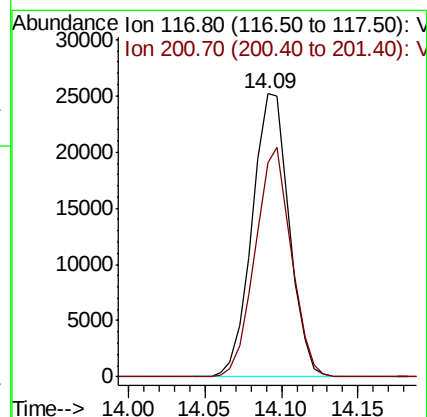
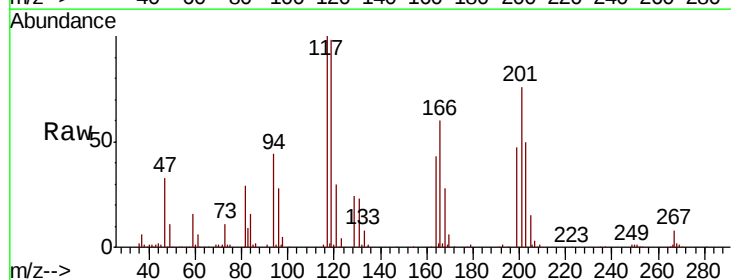
Acq: 20 Aug 2019 18:45

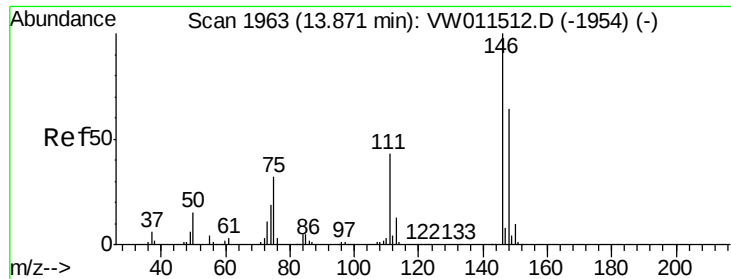
Tgt Ion: 117 Resp: 42502

Ion Ratio Lower Upper

117 100

201 78.9 39.4 118.2

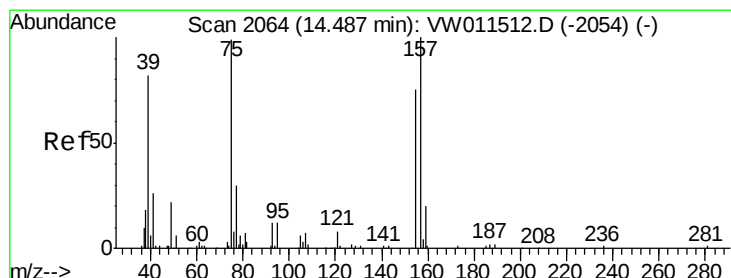
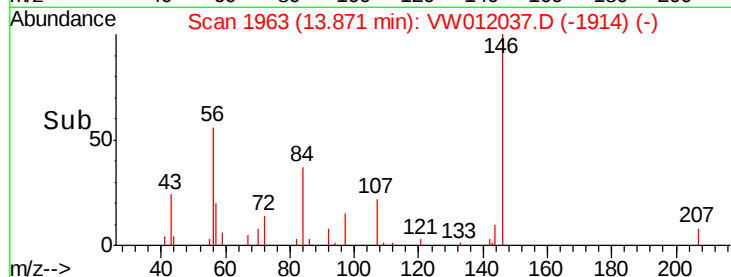
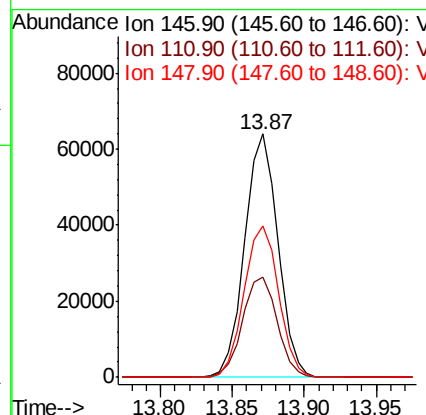
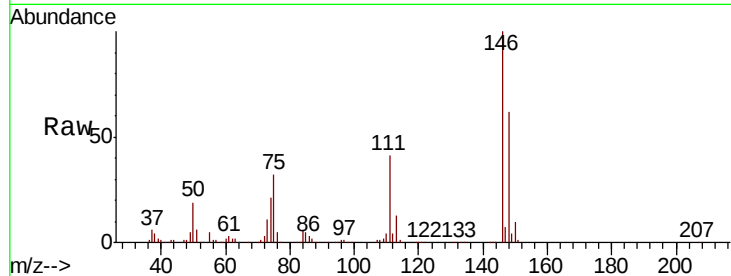




#91
 1,2-Dichlorobenzene
 Concen: 21.111 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

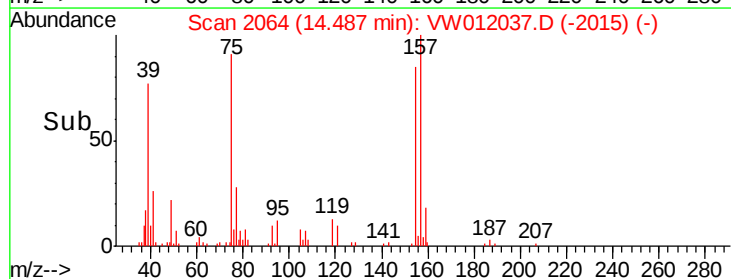
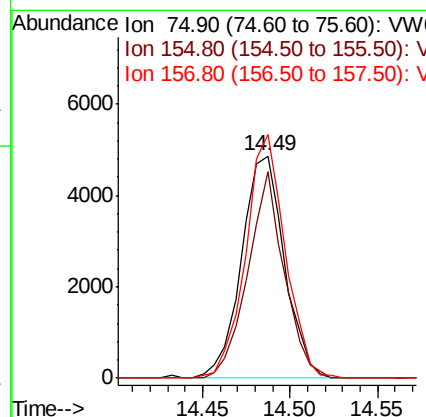
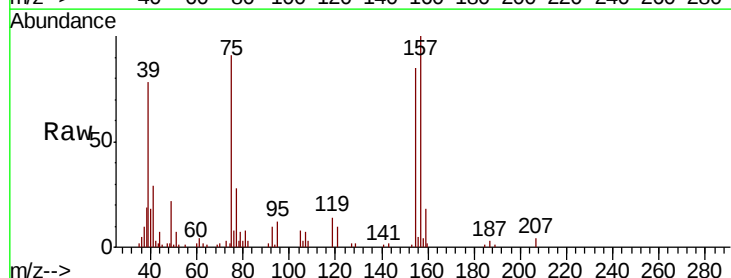
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS02

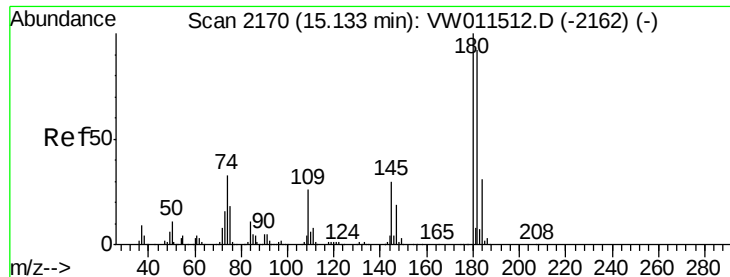
Tgt Ion: 146 Resp: 102393
 Ion Ratio Lower Upper
 146 100
 111 42.8 21.6 65.0
 148 64.4 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.465 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

Tgt Ion: 75 Resp: 8306
 Ion Ratio Lower Upper
 75 100
 155 78.2 38.2 114.6
 157 100.6 48.9 146.7

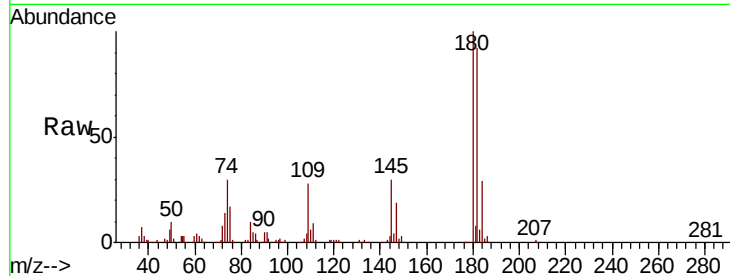




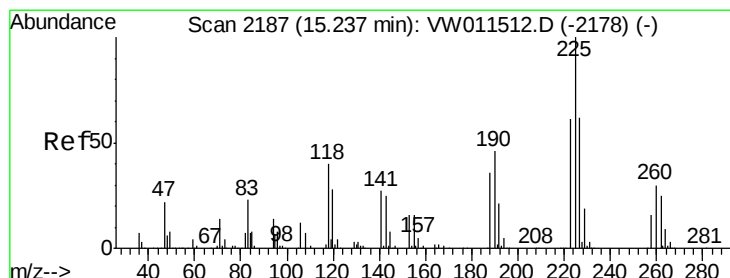
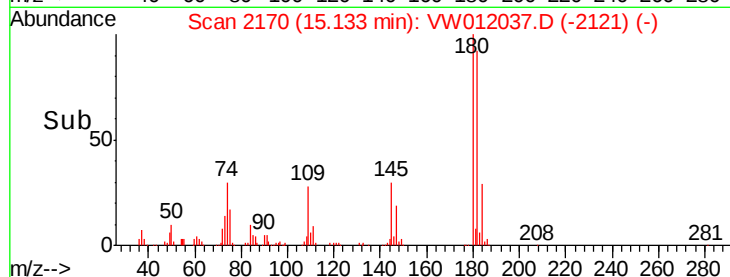
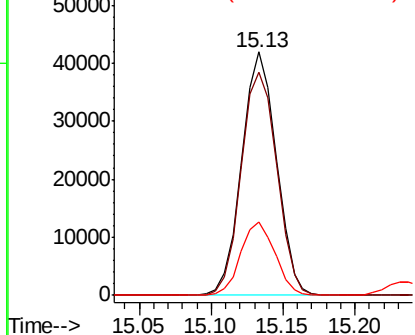
#93
 1,2,4-Trichlorobenzene
 Concen: 20.440 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBSD02

Tgt Ion:180 Resp: 69869
 Ion Ratio Lower Upper
 180 100
 182 94.6 47.4 142.2
 145 29.7 15.4 46.1

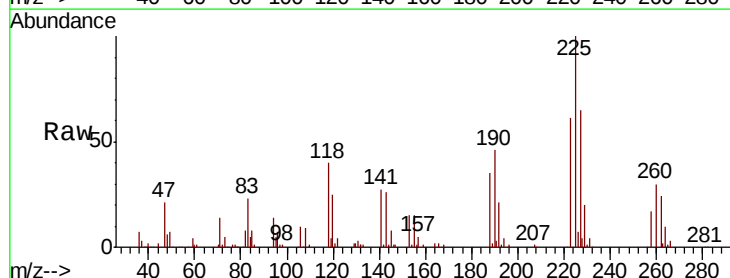


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

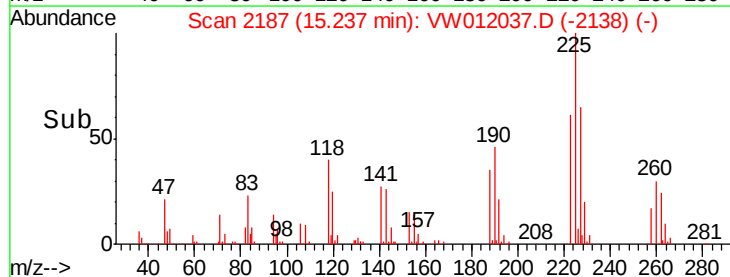
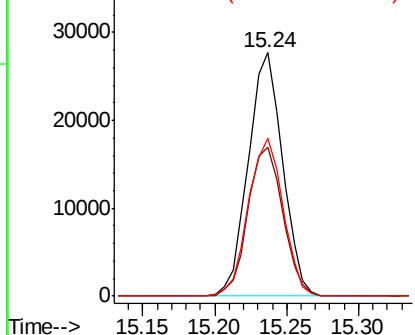


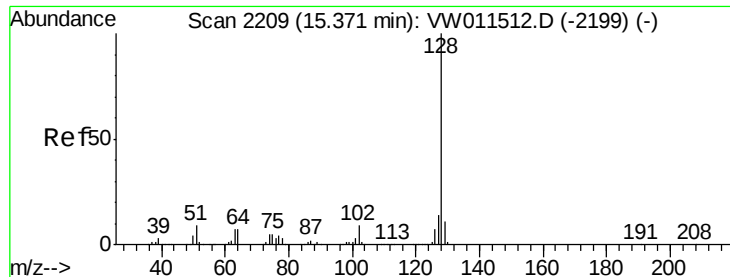
#94
 Hexachlorobutadiene
 Concen: 21.375 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

Tgt Ion:225 Resp: 45566
 Ion Ratio Lower Upper
 225 100
 223 62.5 30.8 92.3
 227 65.4 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

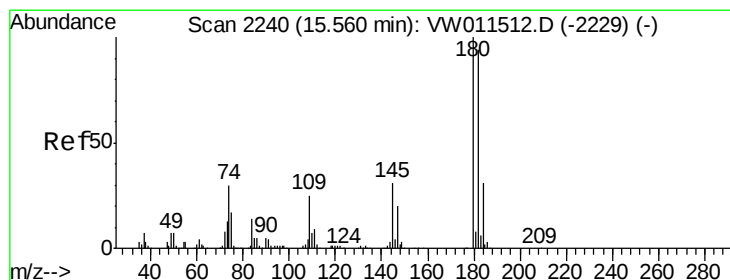
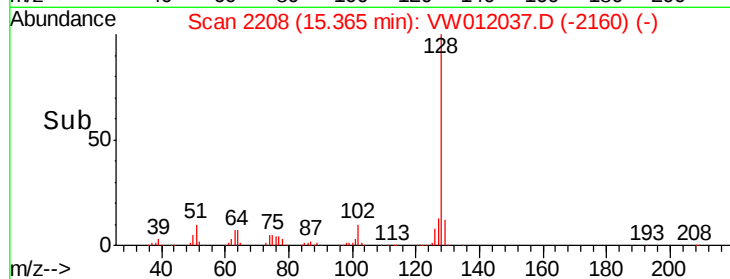
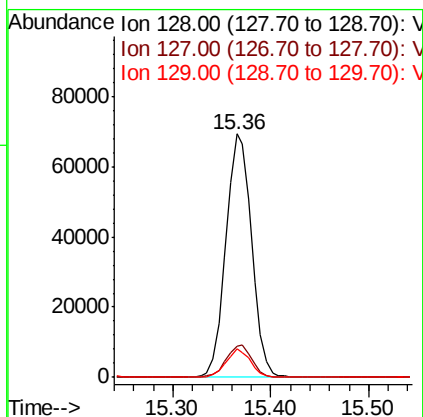
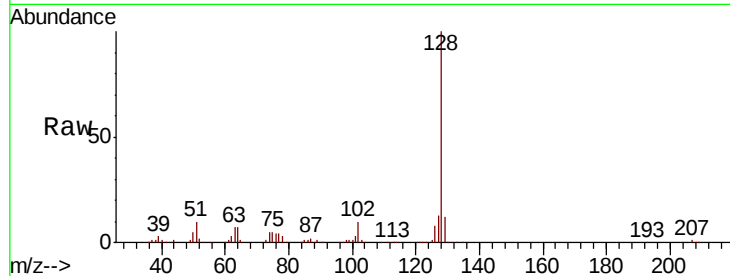




#95
Naphthalene
Concen: 20.141 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBSD02

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	11.1	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 20.783 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.4	142.2
145	30.7	15.9	47.7

