

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
 Data File : VW013007.D
 Acq On : 14 Sep 2019 21:05
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 16 07:52:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	251717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	360402	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	312927	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	160852	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	127124	54.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.36%	
35) Dibromofluoromethane	7.88	113	104931	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	
50) Toluene-d8	10.32	98	424404	55.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.92%	
62) 4-Bromofluorobenzene	12.62	95	148331	53.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	49729	51.774	ug/l	99
3) Chloromethane	2.21	50	64466	53.568	ug/l	98
4) Vinyl Chloride	2.36	62	88151	48.926	ug/l	98
5) Bromomethane	2.76	94	49900	45.352	ug/l	97
6) Chloroethane	2.90	64	54478	49.300	ug/l	99
7) Trichlorofluoromethane	3.25	101	57059	45.288	ug/l	88
8) Diethyl Ether	3.68	74	52763	53.632	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	97491	51.018	ug/l	99
10) Methyl Iodide	4.26	142	118713	49.640	ug/l	98
11) Tert butyl alcohol	5.20	59	50802	330.626	ug/l	99
12) 1,1-Dichloroethene	4.03	96	86648	49.870	ug/l	92
13) Acrolein	3.89	56	44910	262.393	ug/l	99
14) Allyl chloride	4.65	41	165042	50.035	ug/l	98
15) Acrylonitrile	5.37	53	154360	307.205	ug/l	99
16) Acetone	4.12	43	134562	268.170	ug/l	99
17) Carbon Disulfide	4.38	76	160488	46.350	ug/l	100
18) Methyl Acetate	4.67	43	83779	63.254	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	194944	56.839	ug/l	96
20) Methylene Chloride	4.91	84	100022	53.632	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	93497	50.242	ug/l	98
22) Diisopropyl ether	6.31	45	370070	54.006	ug/l	99
23) Vinyl Acetate	6.25	43	1153614	281.081	ug/l	97
24) 1,1-Dichloroethane	6.21	63	199477	50.489	ug/l	98
25) 2-Butanone	7.17	43	220100	297.743	ug/l	99
26) 2,2-Dichloropropane	7.17	77	116790	46.254	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	114188	51.253	ug/l	97
28) Bromochloromethane	7.51	49	89230	53.658	ug/l	98
29) Tetrahydrofuran	7.52	42	135751	322.297	ug/l	100
30) Chloroform	7.67	83	202379	50.413	ug/l	100
31) Cyclohexane	7.95	56	161312	54.799	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	164075	49.630	ug/l	99
36) 1,1-Dichloropropene	8.08	75	149269	51.831	ug/l	99
37) Ethyl Acetate	7.25	43	92377	60.431	ug/l	98
38) Carbon Tetrachloride	8.07	117	148165	50.203	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	165128	52.326	ug/l	97
40) Benzene	8.32	78	414519	51.559	ug/l	99
41) Methacrylonitrile	7.48	41	58183	57.798	ug/l	96
42) 1,2-Dichloroethane	8.40	62	143449	53.226	ug/l	99
43) Isopropyl Acetate	8.42	43	179754	61.244	ug/l	98
44) Trichloroethene	9.09	130	112924	51.279	ug/l	94
45) 1,2-Dichloropropane	9.37	63	113999	53.369	ug/l	98
46) Dibromomethane	9.46	93	57276	55.968	ug/l	98
47) Bromodichloromethane	9.64	83	149758	52.170	ug/l	99
48) Methyl methacrylate	9.43	41	84013	60.991	ug/l	99
49) 1,4-Dioxane	9.46	88	21703	1265.629	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	482425	318.372	ug/l	99
52) Toluene	10.38	92	267573	52.375	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	151219	52.380	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	172393	52.189	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	87680	56.241	ug/l	97
56) Ethyl methacrylate	10.65	69	127812	60.907	ug/l	99
57) 1,3-Dichloropropane	10.93	76	155540	56.242	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	334623	297.263	ug/l	100
59) 2-Hexanone	10.97	43	329731	312.509	ug/l	99
60) Dibromochloromethane	11.13	129	101890	54.058	ug/l	96
61) 1,2-Dibromoethane	11.23	107	80981	56.941	ug/l	100
64) Tetrachloroethene	10.86	164	103415	55.551	ug/l	98
65) Chlorobenzene	11.66	112	289772	51.987	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	110027	51.510	ug/l	98
67) Ethyl Benzene	11.73	91	533954	51.868	ug/l	100
68) m/p-Xylenes	11.83	106	398007	105.834	ug/l	99
69) o-Xylene	12.16	106	189152	53.649	ug/l	99
70) Styrene	12.18	104	334491	53.332	ug/l	99
71) Bromoform	12.35	173	64668	57.637	ug/l #	99
73) Isopropylbenzene	12.46	105	549375	51.528	ug/l	100
74) N-amyl acetate	12.27	43	161577	58.913	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	109626	58.542	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	142721	101.297	ug/l #	100
77) Bromobenzene	12.74	156	127038	51.722	ug/l	99
78) n-propylbenzene	12.80	91	647596	51.637	ug/l	100
79) 2-Chlorotoluene	12.89	91	367768	51.012	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	463068	51.339	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	33971	54.696	ug/l	98
82) 4-Chlorotoluene	12.99	91	383125	50.366	ug/l	99
83) tert-Butylbenzene	13.21	119	416673	51.646	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	455660	51.123	ug/l	97
85) sec-Butylbenzene	13.38	105	568821	51.748	ug/l	100
86) p-Isopropyltoluene	13.49	119	522106	51.735	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	241061	49.578	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	244273	51.123	ug/l	100
89) n-Butylbenzene	13.82	91	487345	51.205	ug/l	99
90) Hexachloroethane	14.09	117	90503	50.043	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	220223	51.504	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	19673	57.395	ug/l	97

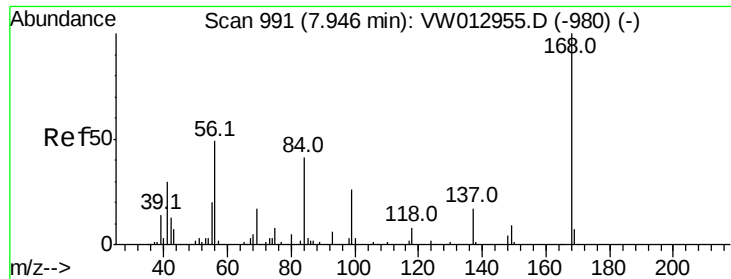
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	162094	53.156	ug/l	99
94) Hexachlorobutadiene	15.23	225	108703	50.355	ug/l	100
95) Naphthalene	15.36	128	314346	61.695	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	147052	54.552	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

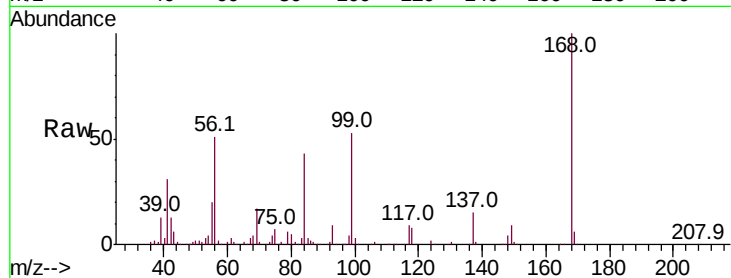
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 251717

Ion Ratio Lower Upper

168 100

99 52.6 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

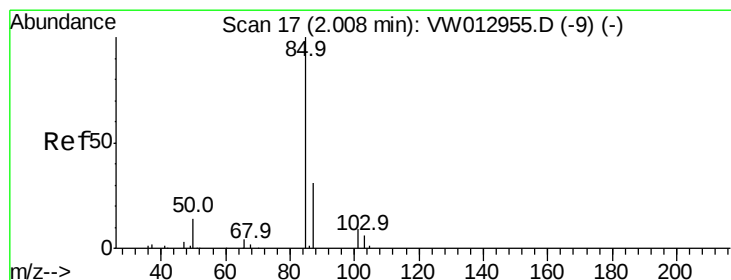
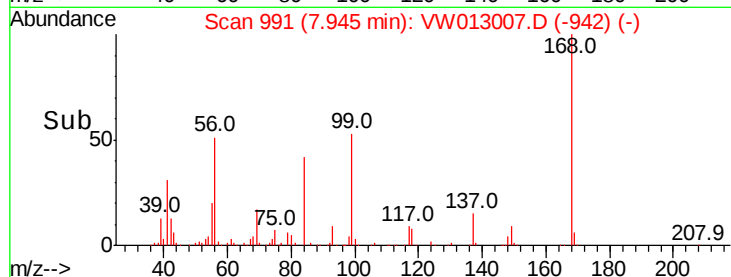
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.774 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW013007.D

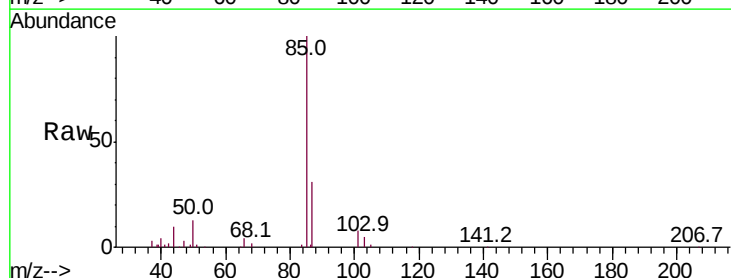
Acq: 14 Sep 2019 21:05

Tgt Ion: 85 Resp: 49729

Ion Ratio Lower Upper

85 100

87 31.4 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

20000

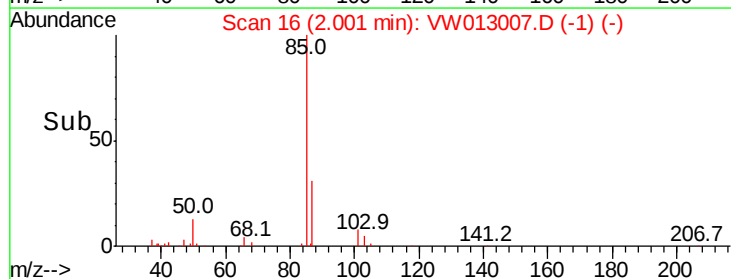
15000

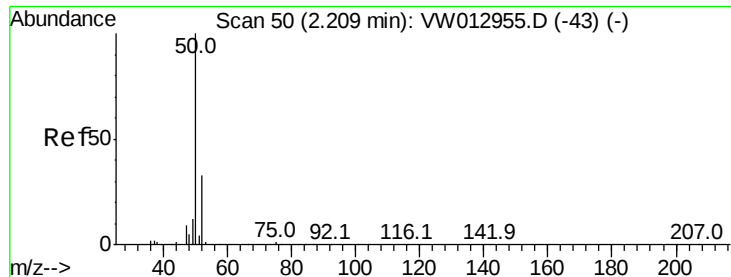
10000

5000

0

Time-->





#3

Chloromethane

Concen: 53.568 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Instrument :

MSVOA_W

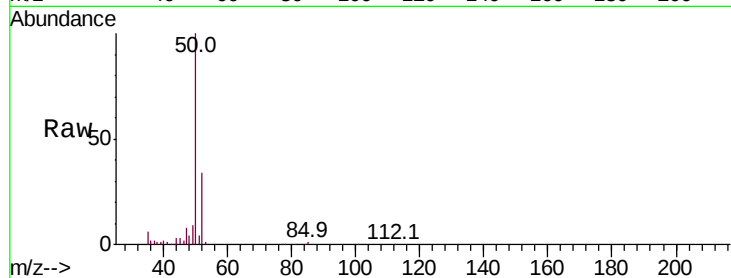
ClientSampleId :

Tot Ion: 50 Resp: 64466

Ion Ratio Lower Upper

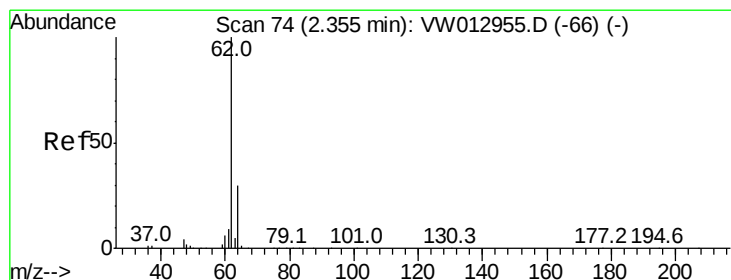
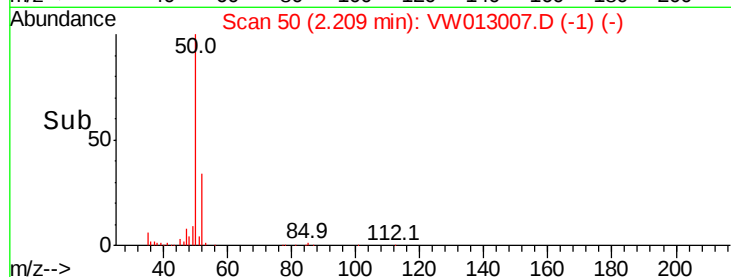
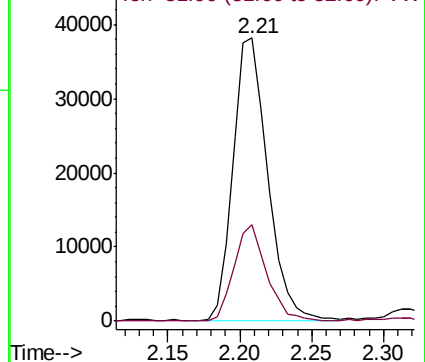
50 100

52 34.3 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 48.926 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW013007.D

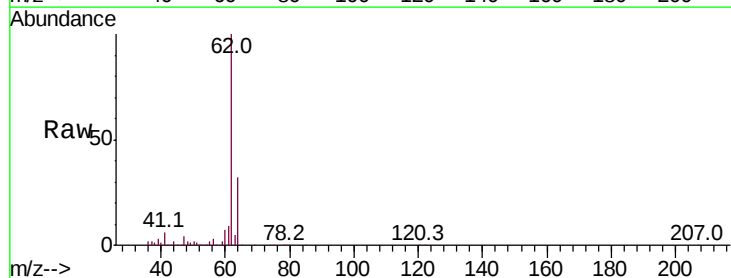
Acq: 14 Sep 2019 21:05

Tgt Ion: 62 Resp: 88151

Ion Ratio Lower Upper

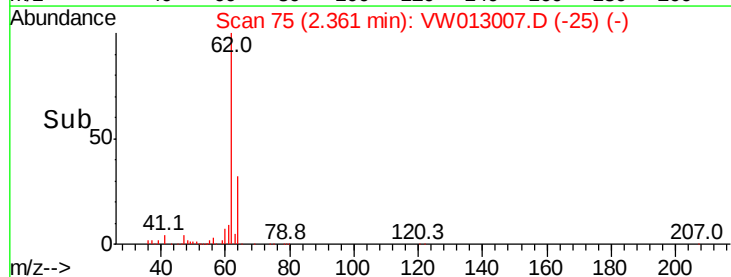
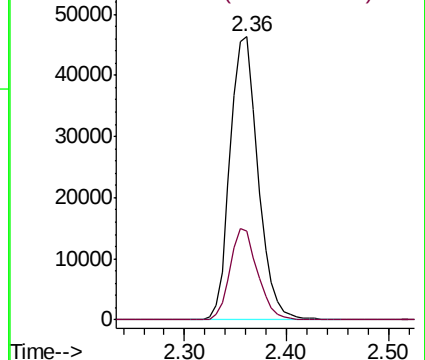
62 100

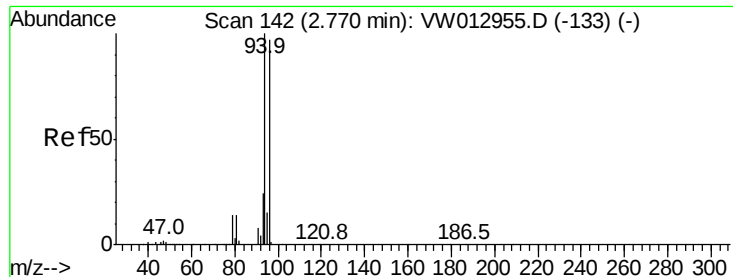
64 31.4 24.2 36.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 45.352 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Instrument :

MSVOA_W

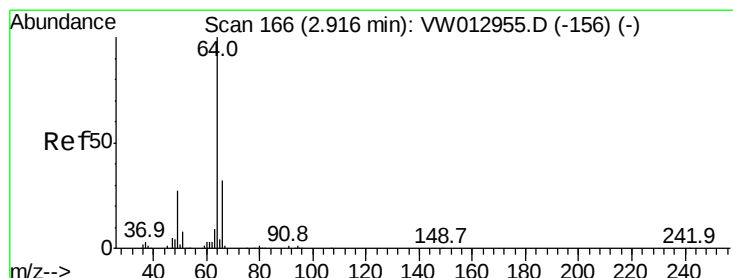
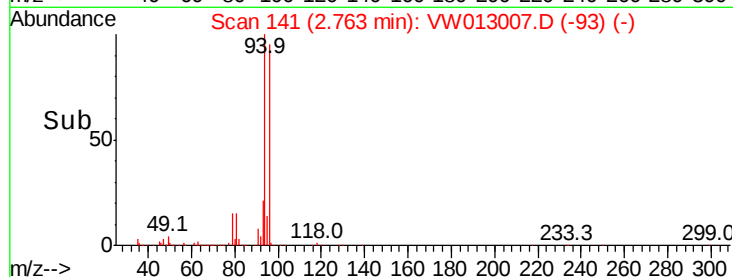
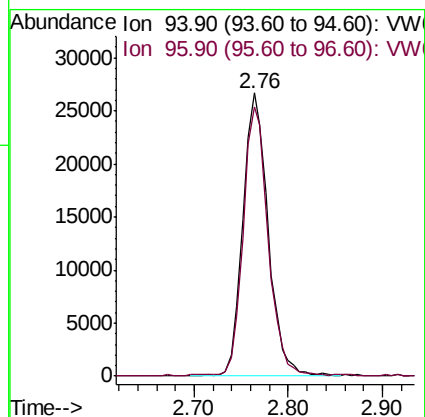
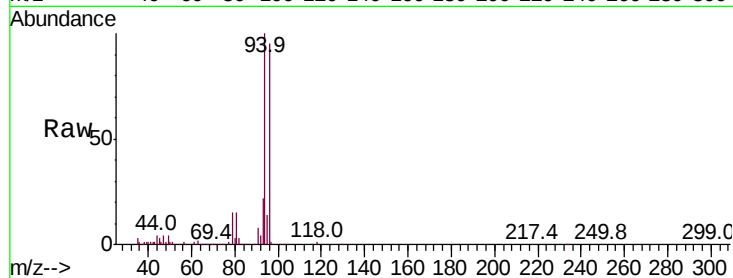
ClientSampled :

Tot Ion: 94 Resp: 49900

Ion Ratio Lower Upper

94 100

96 94.6 77.8 116.6



#6

Chloroethane

Concen: 49.300 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW013007.D

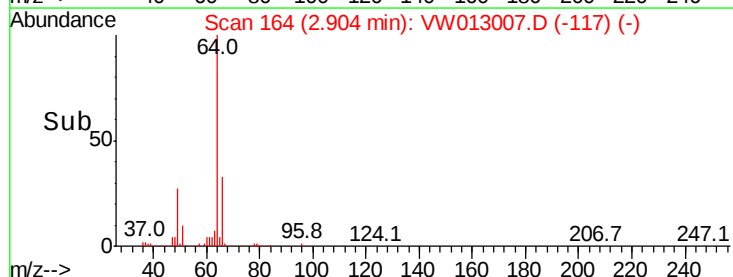
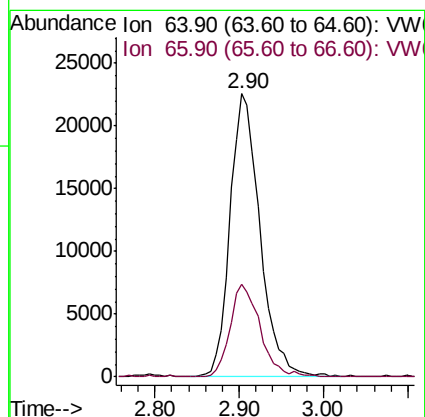
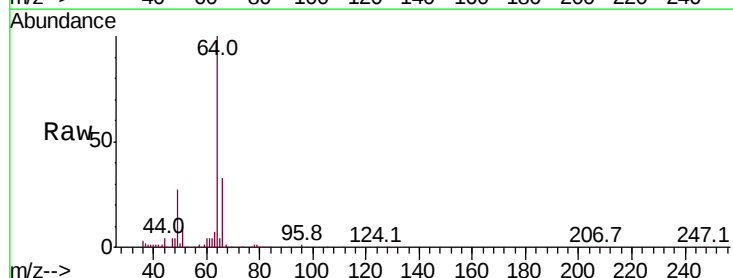
Acq: 14 Sep 2019 21:05

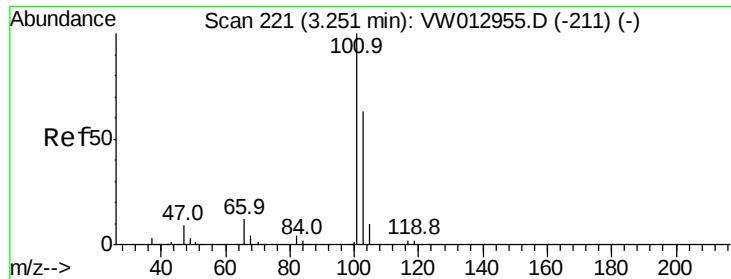
Tgt Ion: 64 Resp: 54478

Ion Ratio Lower Upper

64 100

66 32.9 25.9 38.9



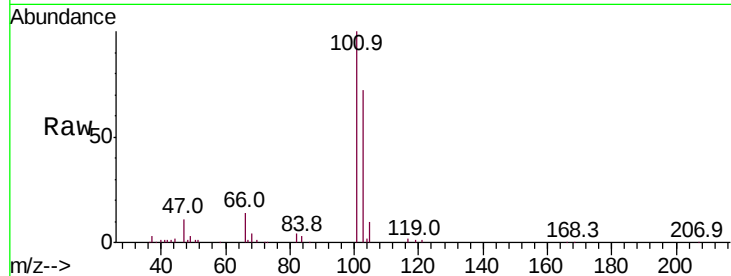


#7

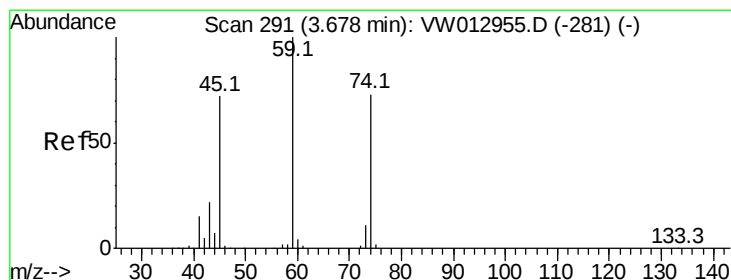
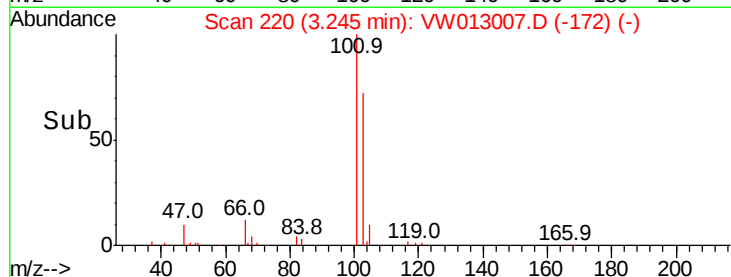
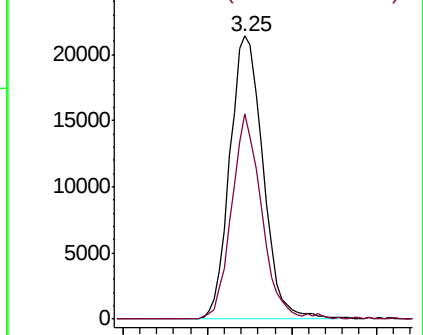
Trichlorofluoromethane
 Concen: 45.288 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW013007.D
 Acq: 14 Sep 2019 21:05

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:101 Resp: 57059
 Ion Ratio Lower Upper
 101 100
 103 72.4 50.7 76.1



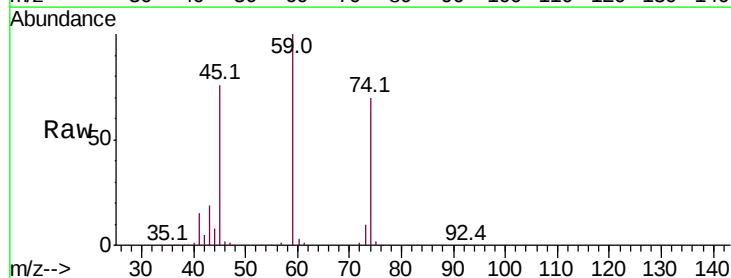
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



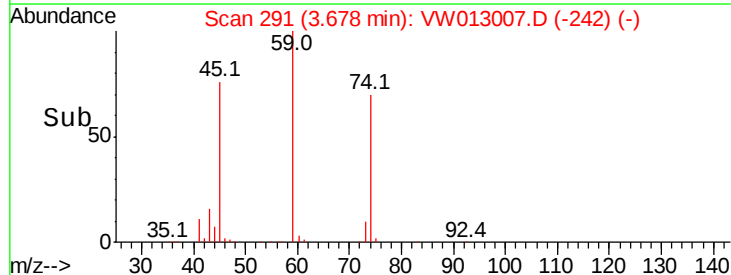
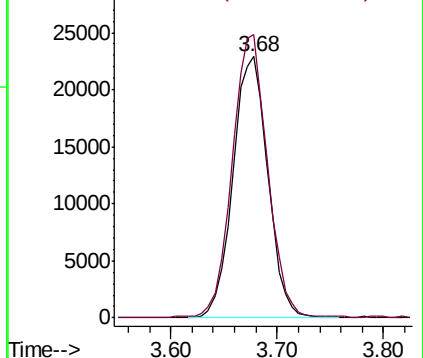
#8

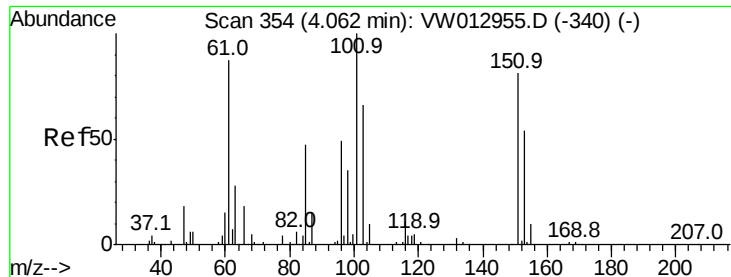
Diethyl Ether
 Concen: 53.632 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013007.D
 Acq: 14 Sep 2019 21:05

Tgt Ion: 74 Resp: 52763
 Ion Ratio Lower Upper
 74 100
 45 109.9 53.8 161.4



Abundance Ion 74.00 (73.70 to 74.70): VW
 Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.018 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Instrument :

MSVOA_W

ClientSampleId :

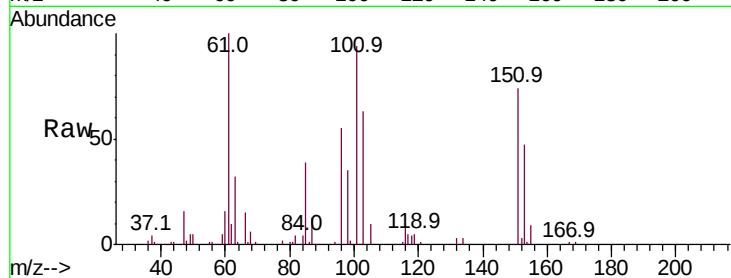
Tot Ion:101 Resp: 97491

Ion Ratio Lower Upper

101 100

85 43.4 34.9 52.3

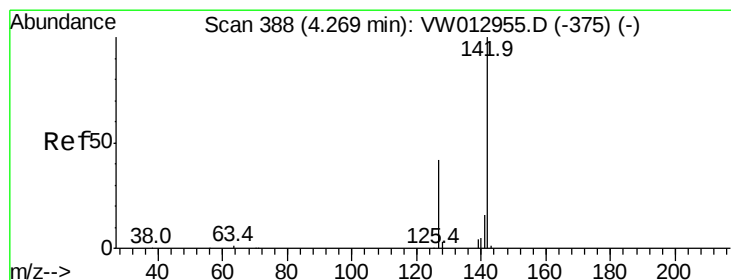
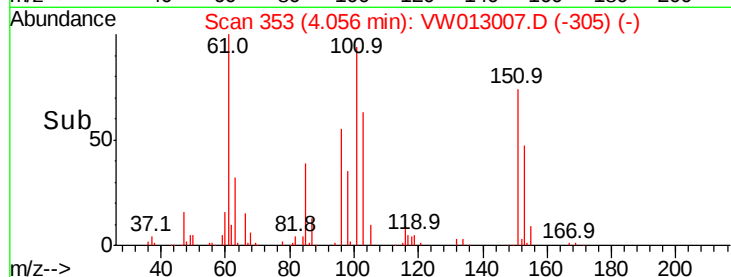
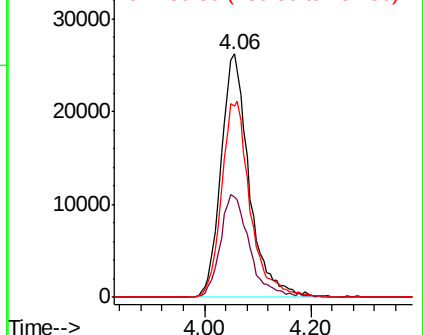
151 81.5 66.0 99.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.640 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

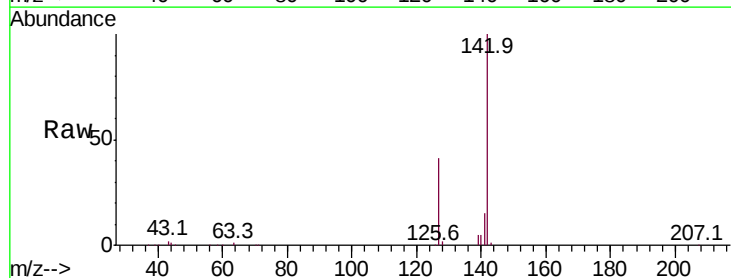
Tgt Ion:142 Resp: 118713

Ion Ratio Lower Upper

142 100

127 42.0 34.7 52.1

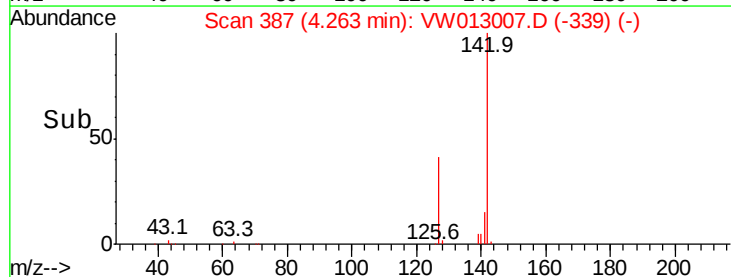
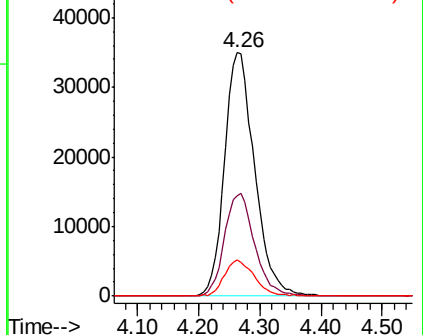
141 14.8 12.2 18.2

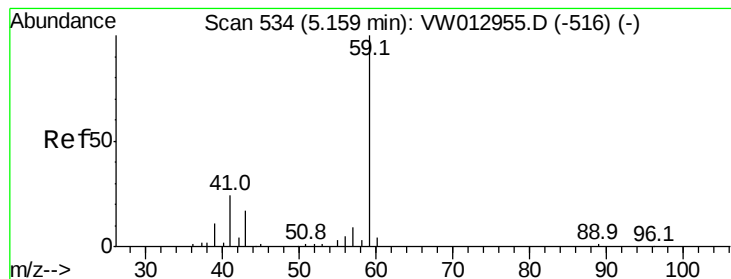


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



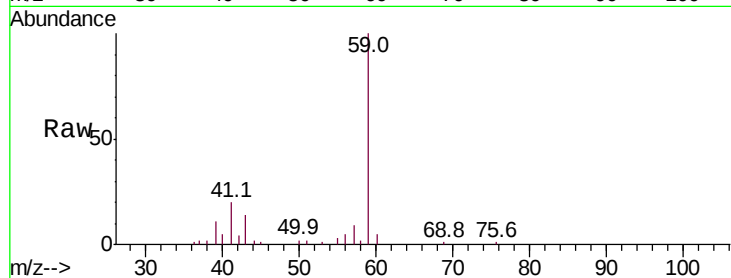


#11

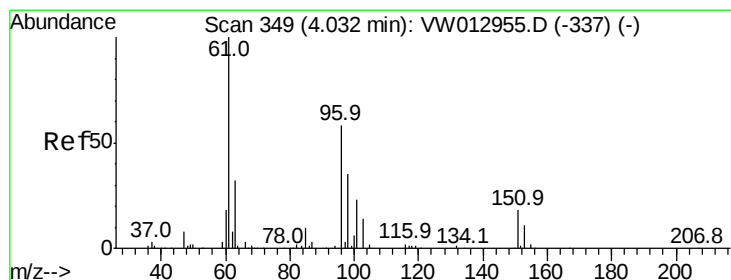
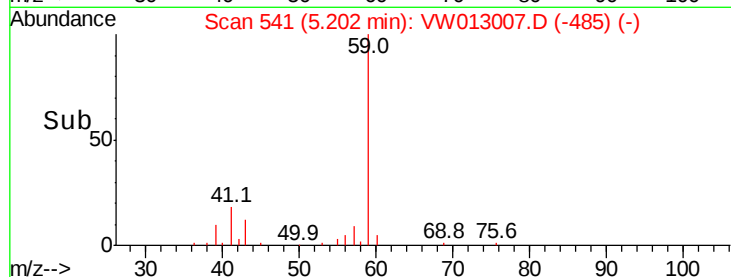
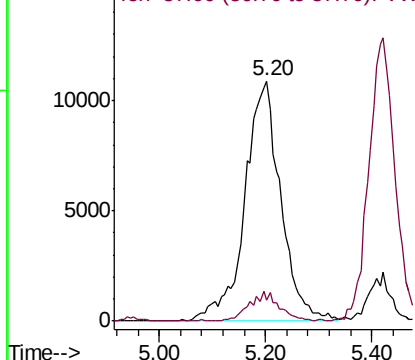
Tert butyl alcohol
Concen: 330.626 ug/l
RT: 5.20 min Scan# 541
Delta R.T. 0.04 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 59 Resp: 50802
Ion Ratio Lower Upper
59 100
57 10.2 8.5 12.7



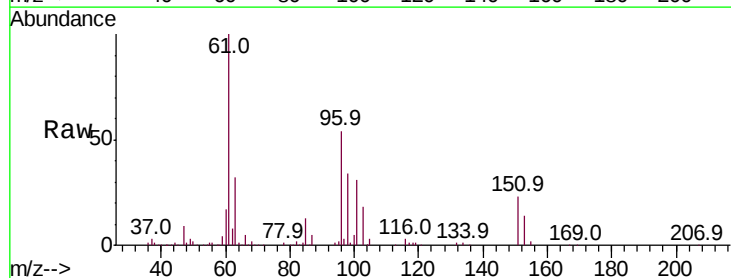
Abundance Ion 59.00 (58.70 to 59.70): VW
Ion 57.00 (56.70 to 57.70): VW



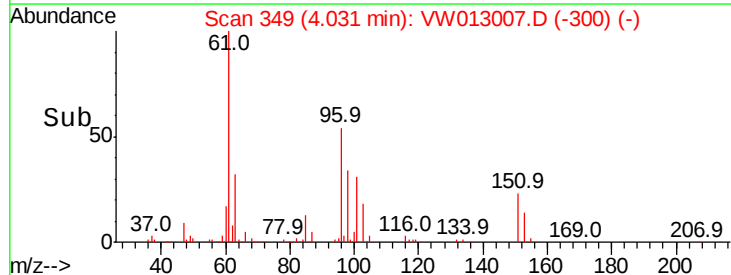
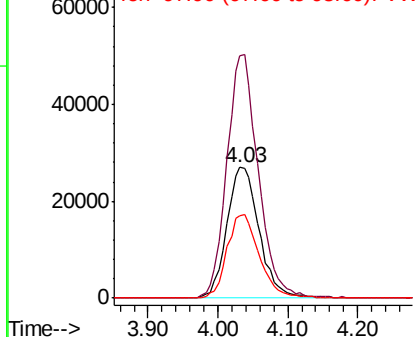
#12

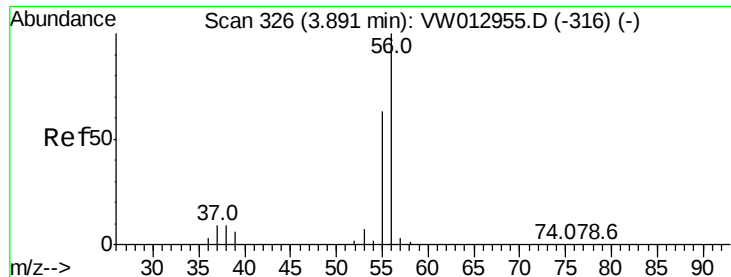
1,1-Dichloroethene
Concen: 49.870 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Tgt Ion: 96 Resp: 86648
Ion Ratio Lower Upper
96 100
61 185.4 137.9 206.9
98 62.8 48.9 73.3



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

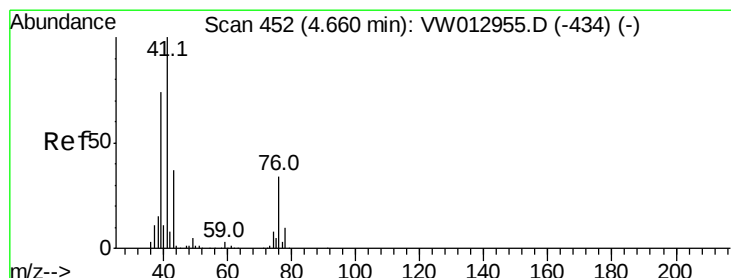
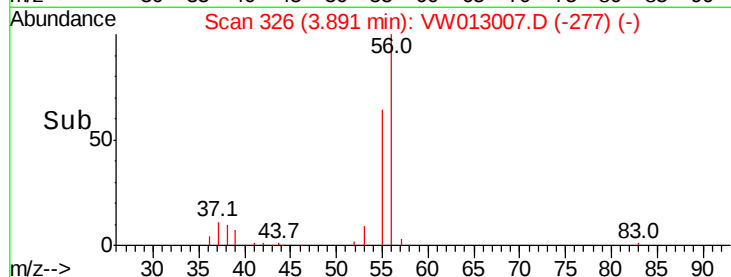
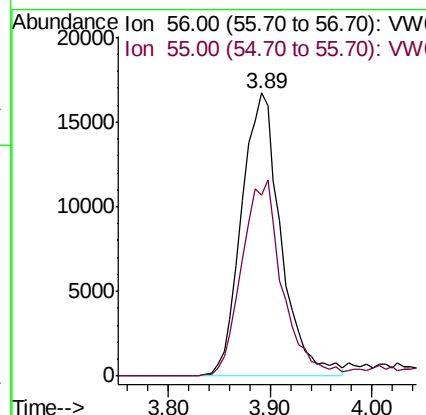
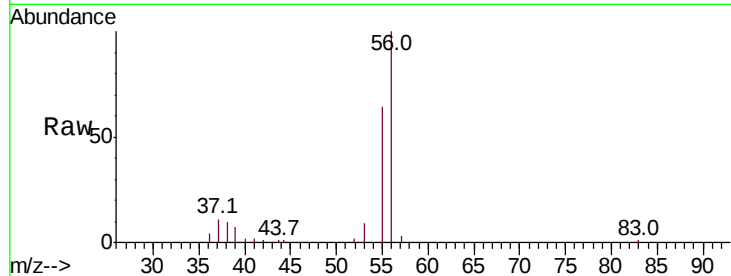




#13
 Acrolein
 Concen: 262.393 ug/l
 RT: 3.89 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VW013007.D
 Acq: 14 Sep 2019 21:05

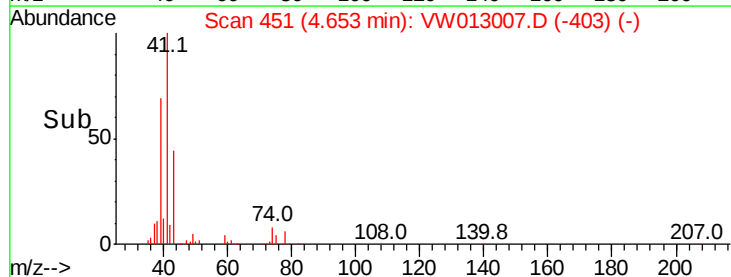
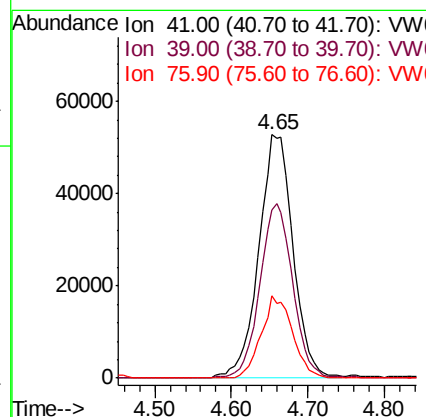
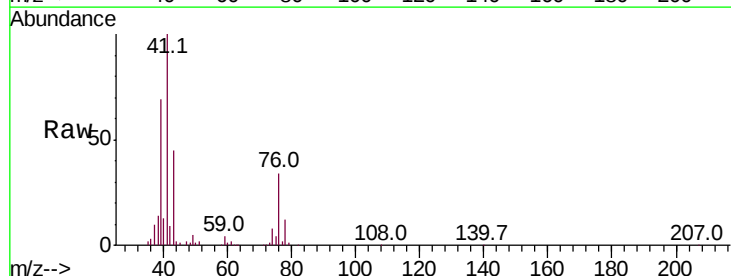
Instrument :
 MSVOA_W
 ClientSampleId :

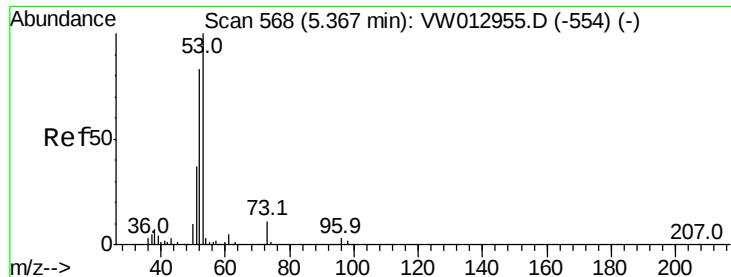
Tot Ion: 56 Resp: 44910
 Ion Ratio Lower Upper
 56 100
 55 70.9 55.8 83.8



#14
 Allyl chloride
 Concen: 50.035 ug/l
 RT: 4.65 min Scan# 451
 Delta R.T. -0.01 min
 Lab File: VW013007.D
 Acq: 14 Sep 2019 21:05

Tgt Ion: 41 Resp: 165042
 Ion Ratio Lower Upper
 41 100
 39 68.6 56.7 85.1
 76 31.0 25.1 37.7





#15

Acrylonitrile

Concen: 307.205 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Instrument :

MSVOA_W

ClientSampleId :

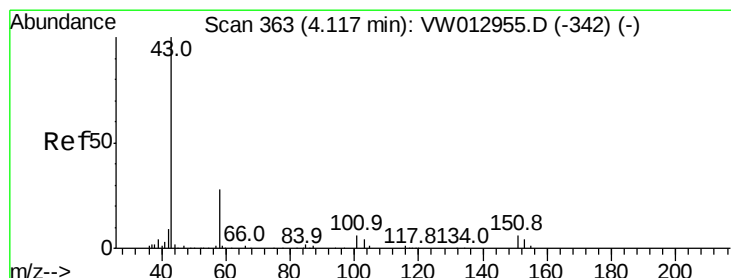
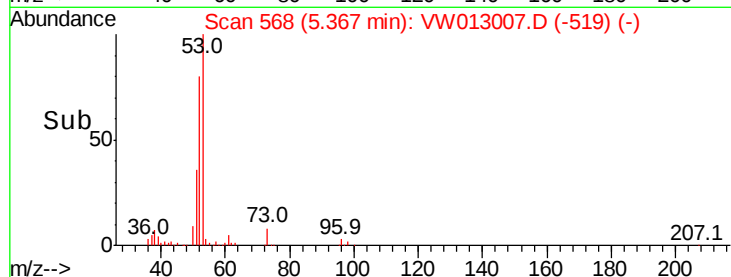
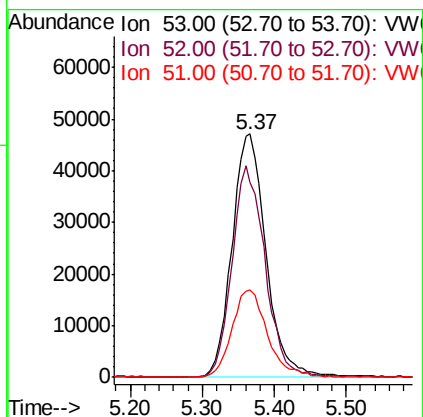
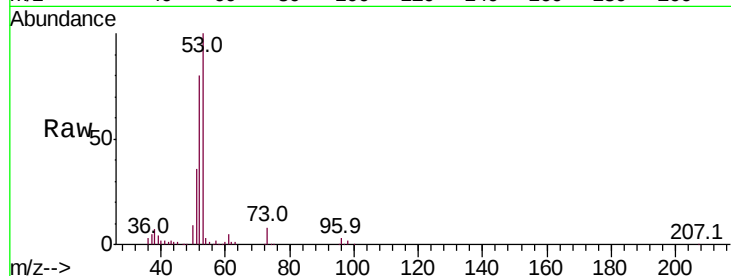
Tot Ion: 53 Resp: 154360

Ion Ratio Lower Upper

53 100

52 84.7 66.6 100.0

51 37.8 29.8 44.8



#16

Acetone

Concen: 268.170 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW013007.D

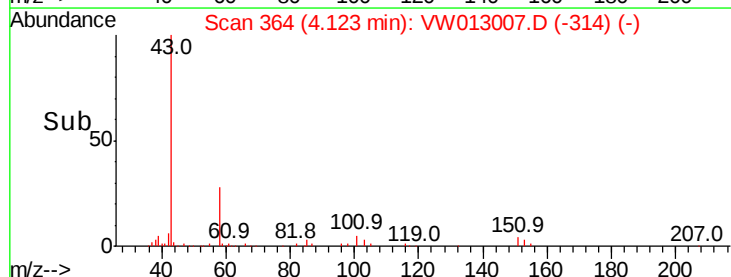
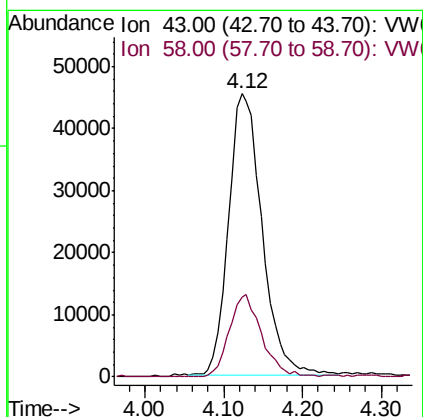
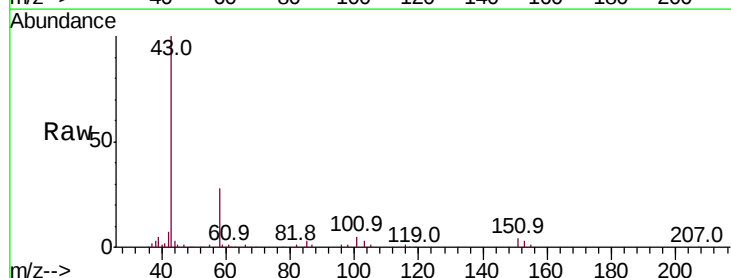
Acq: 14 Sep 2019 21:05

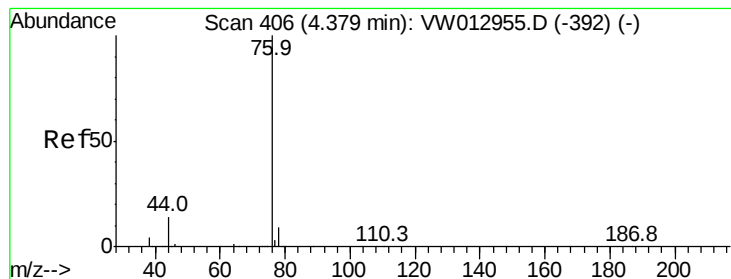
Tgt Ion: 43 Resp: 134562

Ion Ratio Lower Upper

43 100

58 28.2 22.3 33.5





#17

Carbon Disulfide

Concen: 46.350 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Instrument :

MSVOA_W

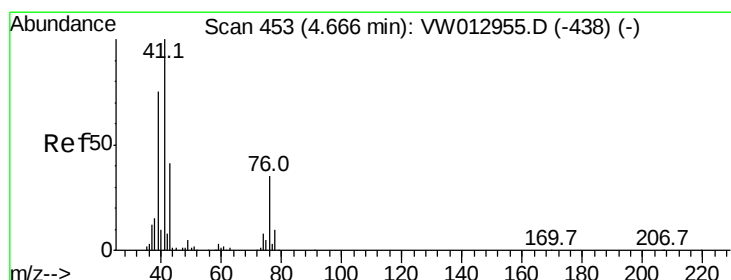
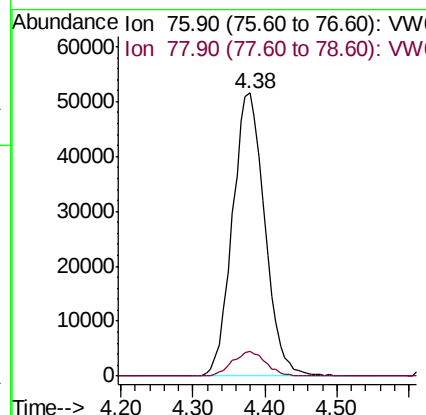
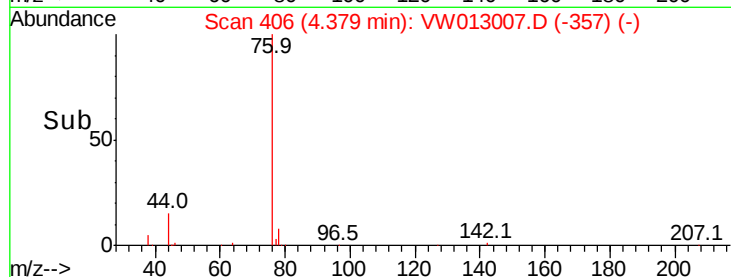
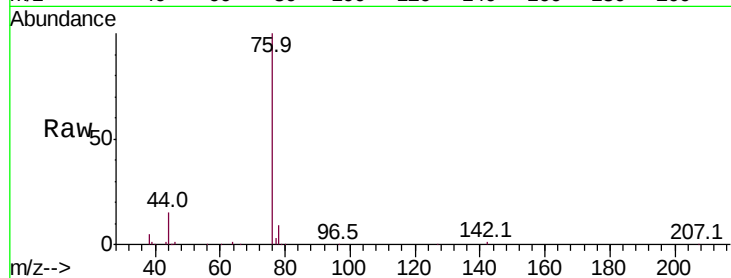
ClientSampled :

Tot Ion: 76 Resp: 160488

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.4



#18

Methyl Acetate

Concen: 63.254 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013007.D

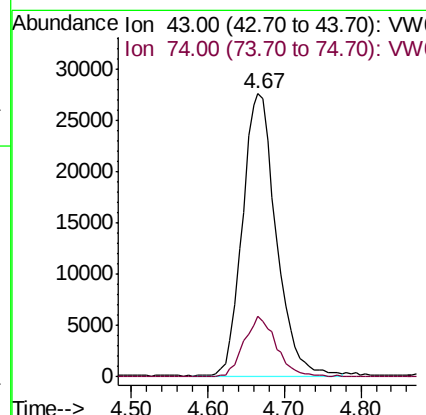
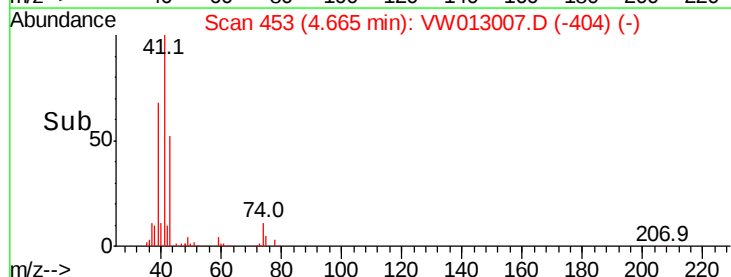
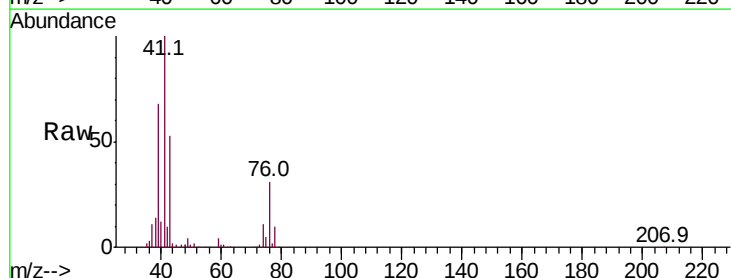
Acq: 14 Sep 2019 21:05

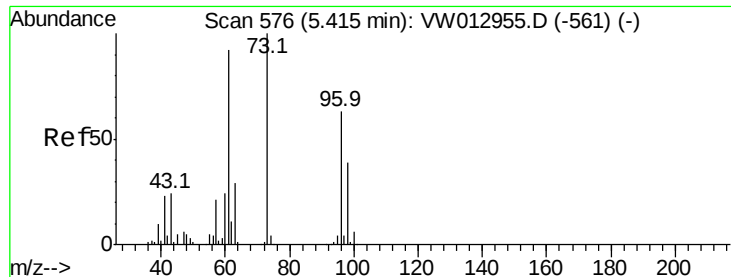
Tgt Ion: 43 Resp: 83779

Ion Ratio Lower Upper

43 100

74 20.8 17.8 26.8



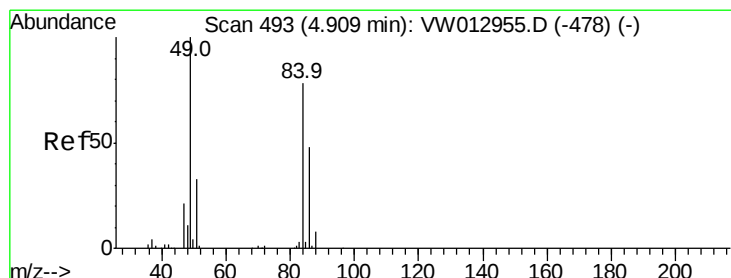
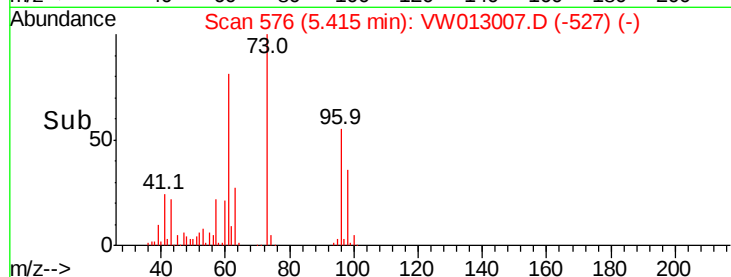
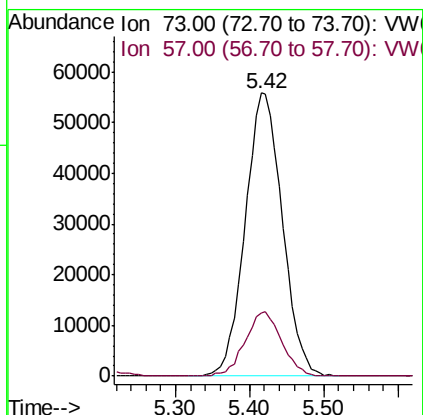
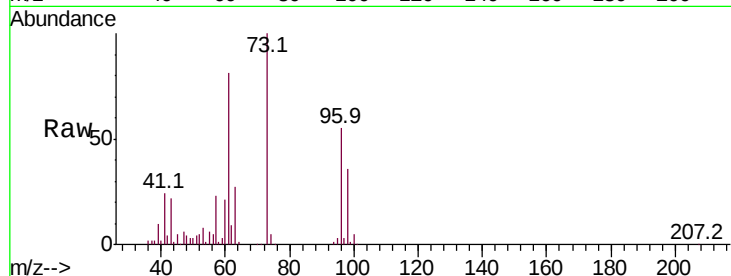


#19

Methyl tert-butyl Ether
 Concen: 56.839 ug/l
 RT: 5.42 min Scan# 576
 Delta R.T. -0.00 min
 Lab File: VW013007.D
 Acq: 14 Sep 2019 21:05

Instrument :
 MSVOA_W
 ClientSampled :

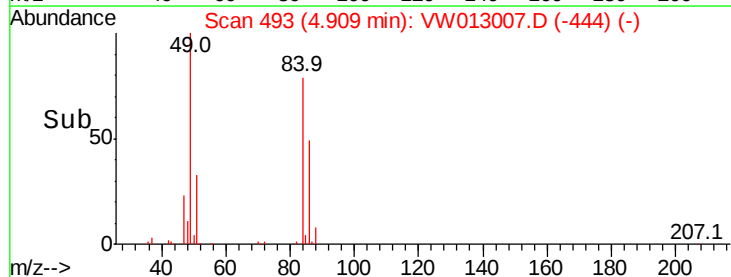
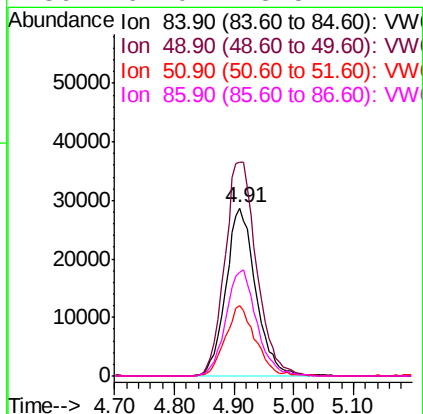
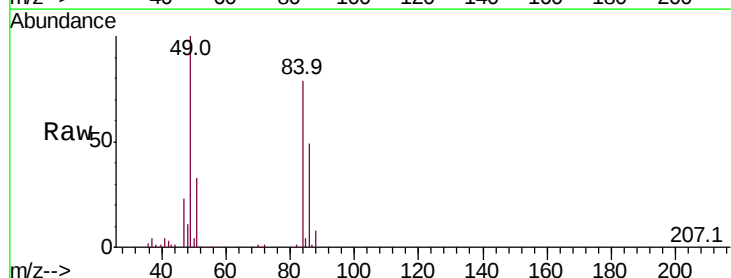
Tot Ion: 73 Resp: 194944
 Ion Ratio Lower Upper
 73 100
 57 22.5 16.4 24.6

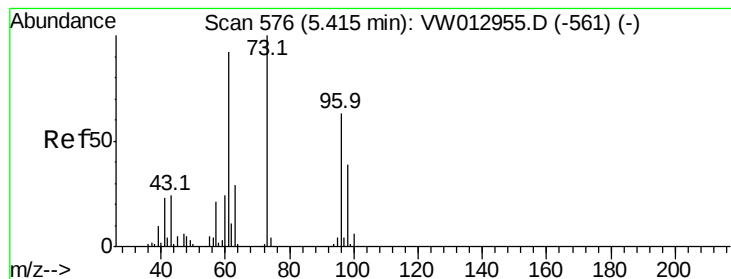


#20

Methylene Chloride
 Concen: 53.632 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW013007.D
 Acq: 14 Sep 2019 21:05

Tgt Ion: 84 Resp: 100022
 Ion Ratio Lower Upper
 84 100
 49 126.7 102.0 153.0
 51 41.7 34.0 51.0
 86 62.0 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 50.242 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Instrument :

MSVOA_W

ClientSampleId :

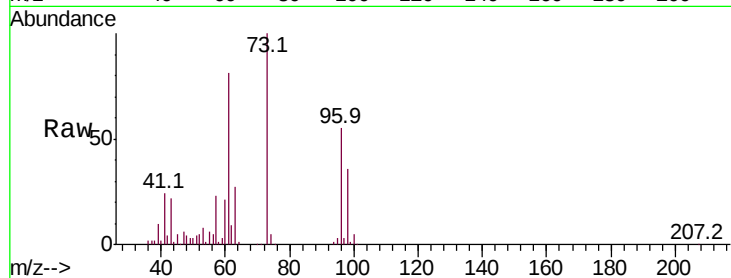
Tot Ion: 96 Resp: 93497

Ion Ratio Lower Upper

96 100

61 146.7 116.2 174.2

98 65.5 49.8 74.6

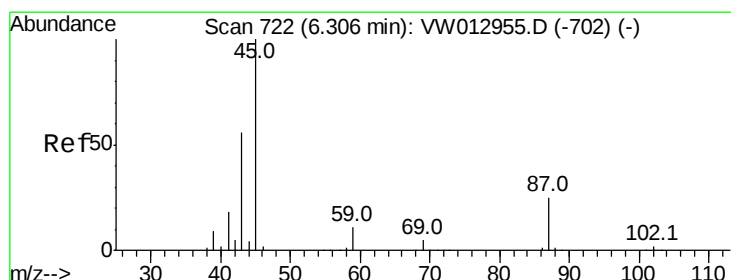
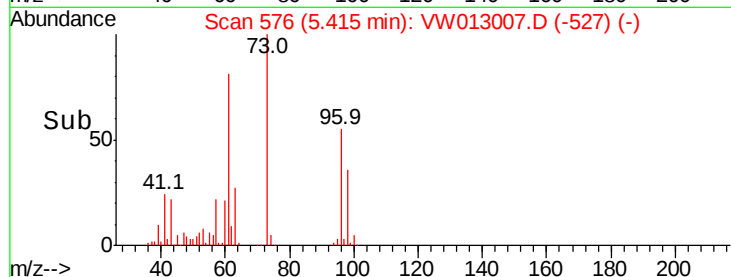
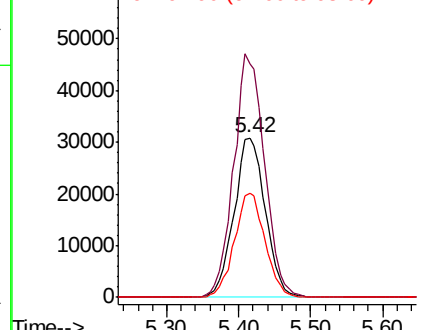


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 54.006 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Tgt Ion: 45 Resp: 370070

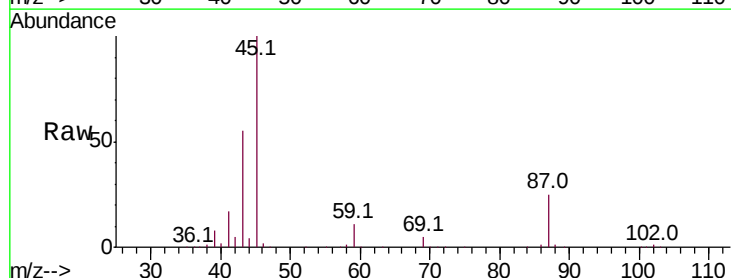
Ion Ratio Lower Upper

45 100

43 54.4 44.6 67.0

87 24.9 20.0 30.0

59 10.8 8.7 13.1



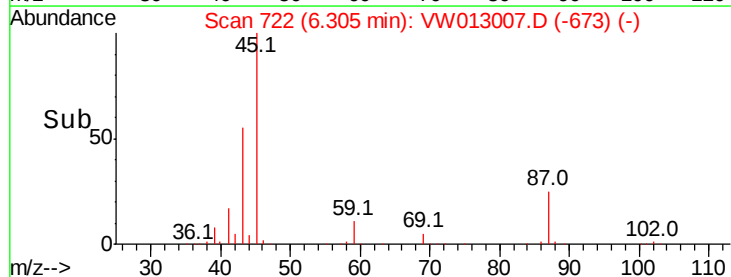
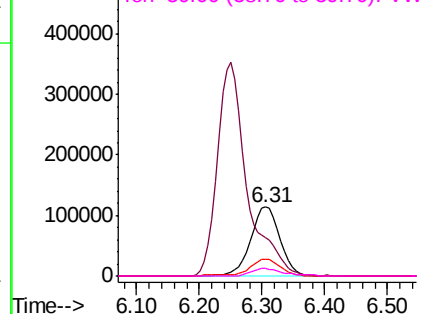
Abundance

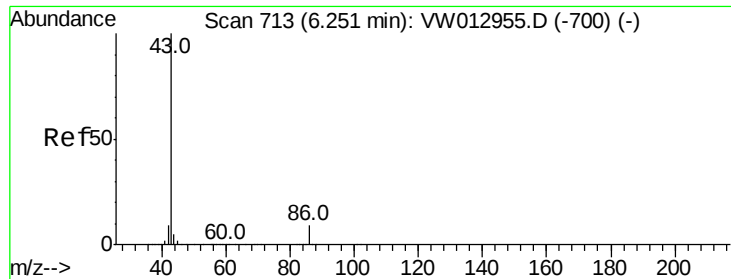
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 281.081 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Instrument :

MSVOA_W

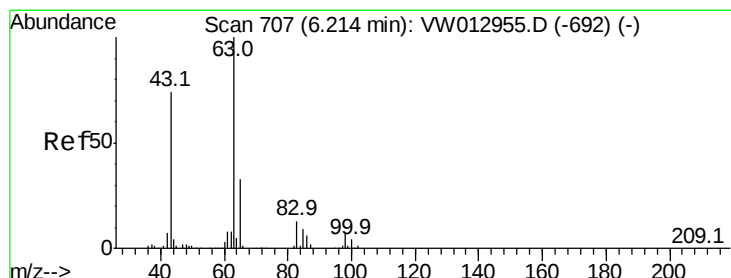
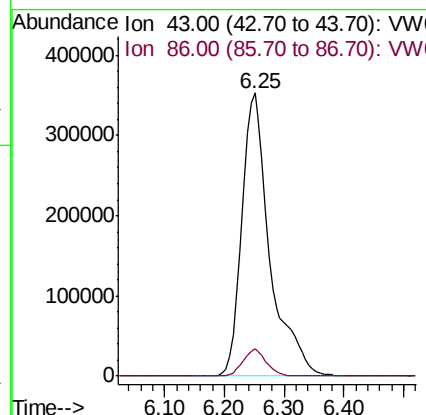
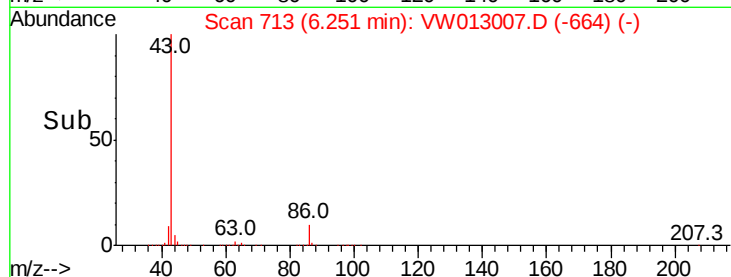
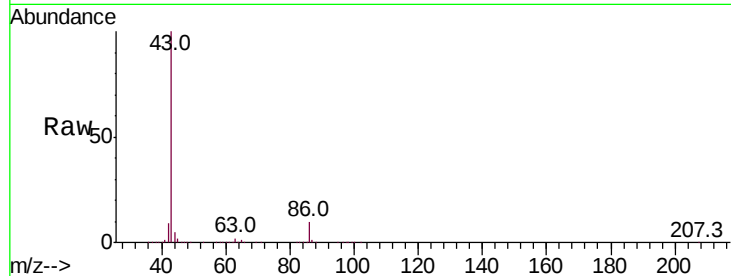
ClientSampleId :

Tot Ion: 43 Resp: 1153614

Ion Ratio Lower Upper

43 100

86 9.8 7.0 10.6



#24

1,1-Dichloroethane

Concen: 50.489 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

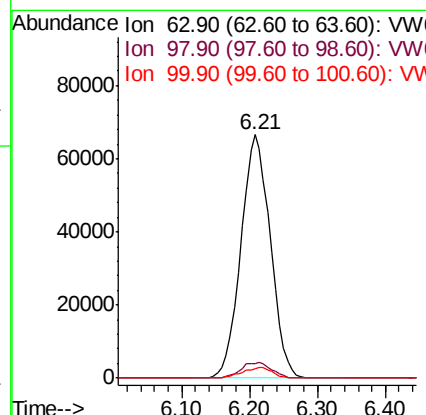
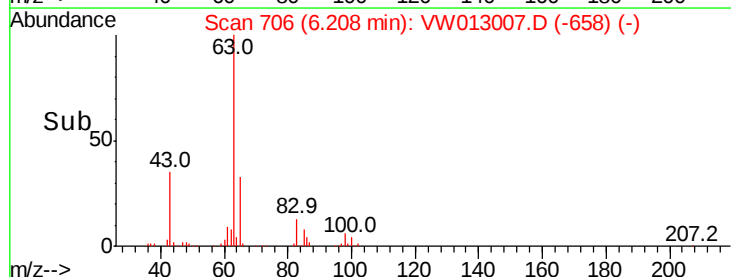
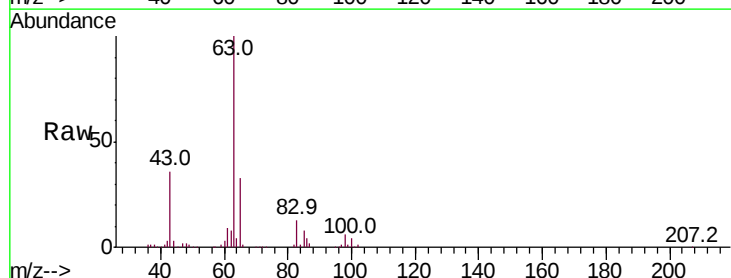
Tgt Ion: 63 Resp: 199477

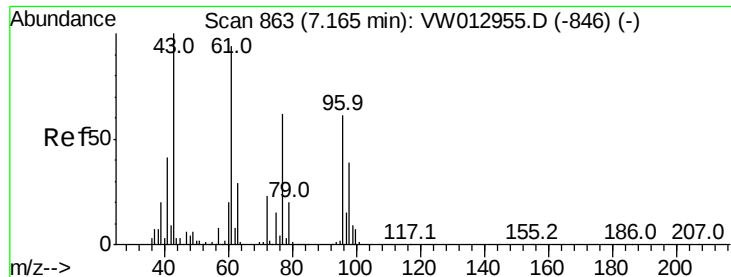
Ion Ratio Lower Upper

63 100

98 5.9 3.3 9.9

100 4.0 1.8 5.5





#25

2-Butanone

Concen: 297.743 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

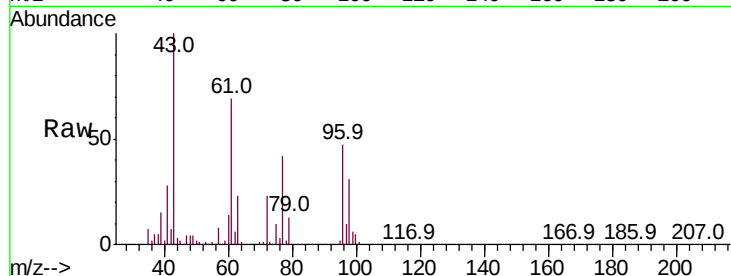
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 220100

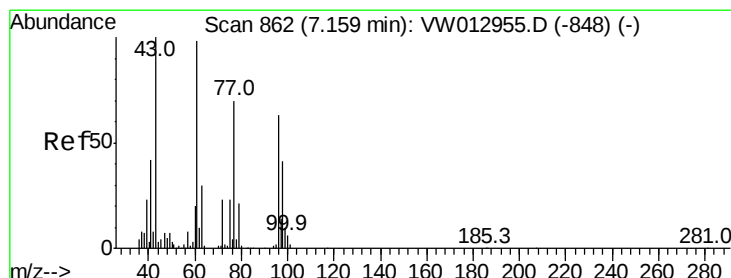
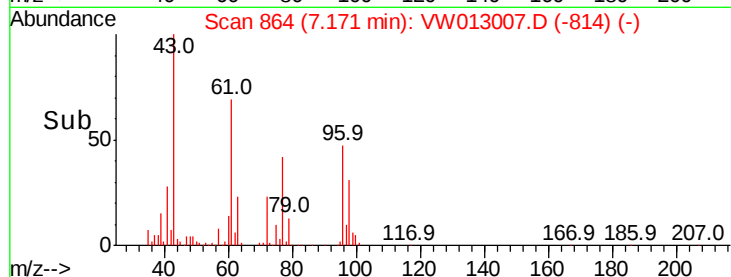
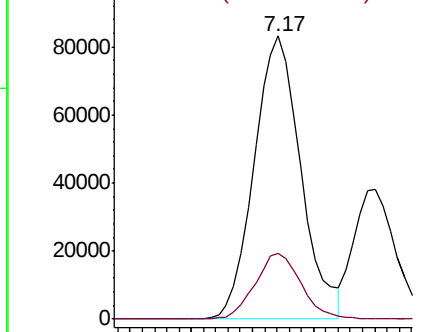
Ion Ratio Lower Upper

43 100

72 23.2 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 46.254 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW013007.D

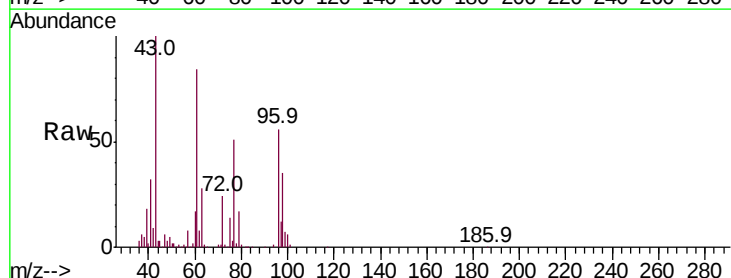
Acq: 14 Sep 2019 21:05

Tgt Ion: 77 Resp: 116790

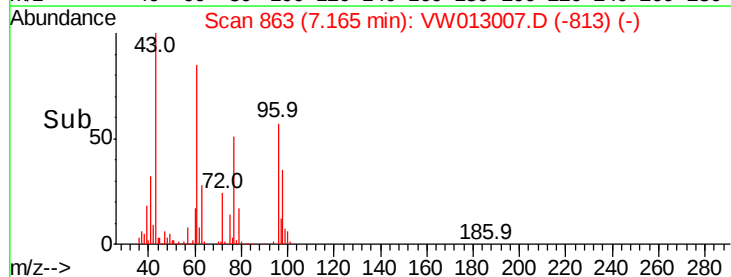
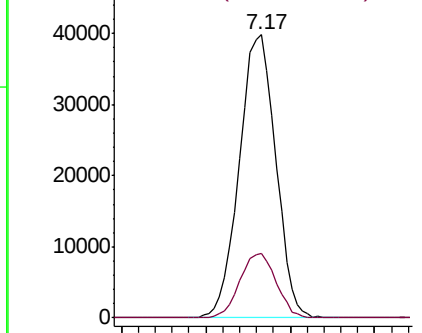
Ion Ratio Lower Upper

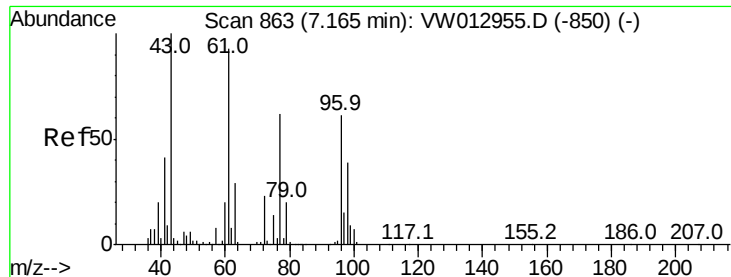
77 100

97 22.7 10.7 32.1



Abundance Ion 76.90 (76.60 to 77.60): VW
Ion 96.90 (96.60 to 97.60): VW



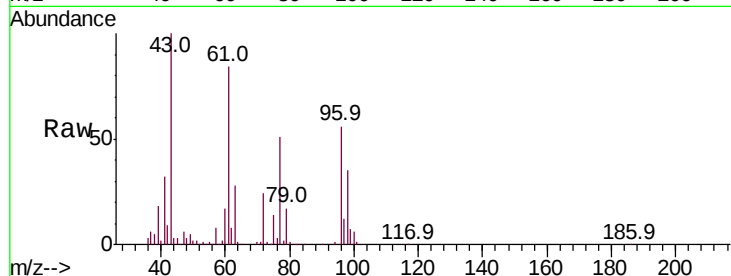


#27

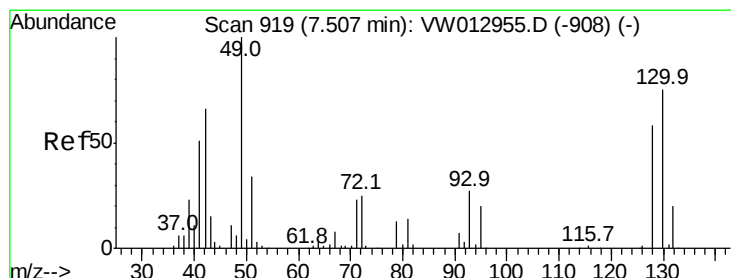
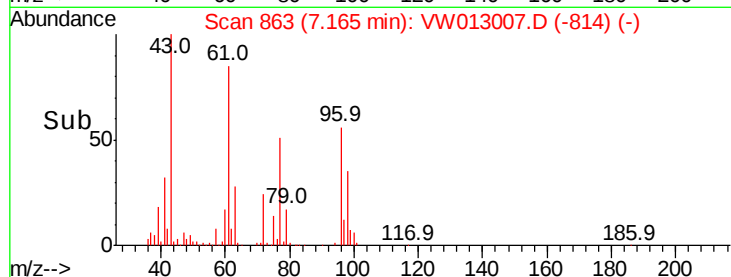
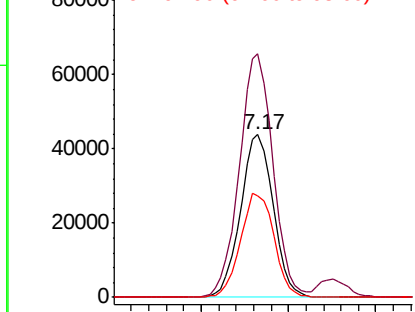
cis-1,2-Dichloroethene
Concen: 51.253 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 114188
Ion Ratio Lower Upper
96 100
61 152.9 0.0 315.4
98 65.0 0.0 131.0



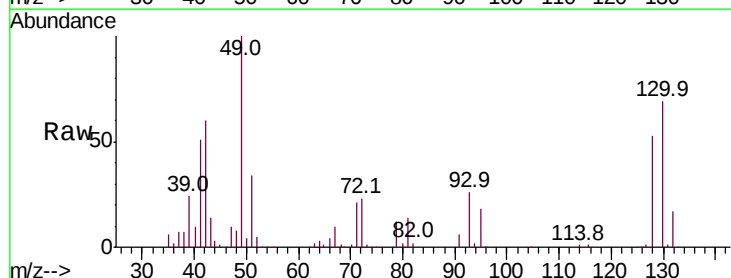
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



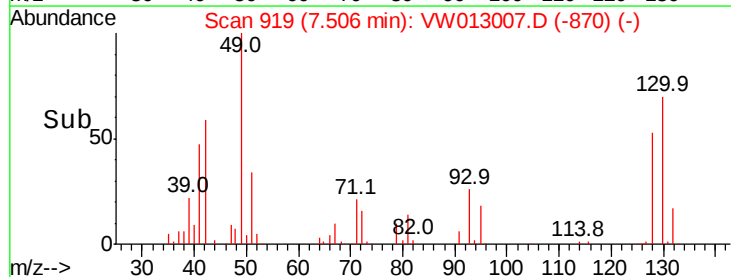
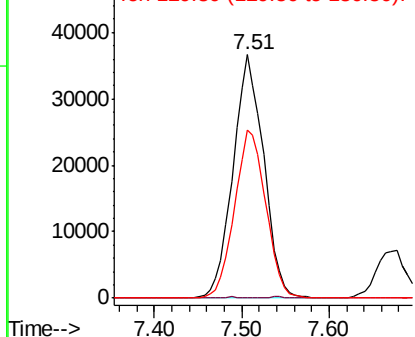
#28

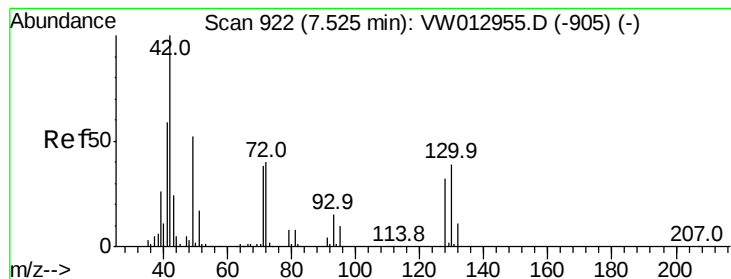
Bromochloromethane
Concen: 53.658 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Tgt Ion: 49 Resp: 89230
Ion Ratio Lower Upper
49 100
129 0.2 0.0 1.4
130 70.5 57.8 86.6



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 322.297 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Instrument :
MSVOA_W
ClientSampled :

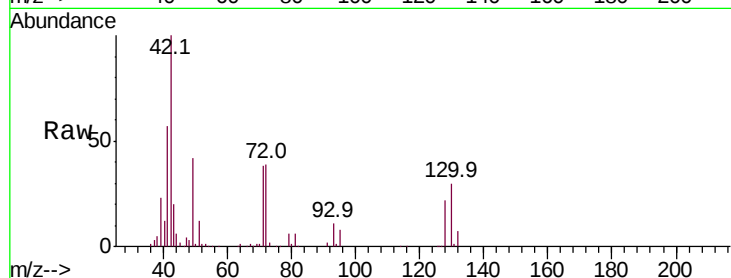
Tot Ion: 42 Resp: 135751

Ion Ratio Lower Upper

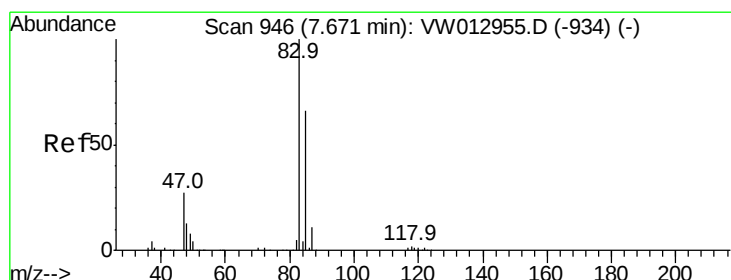
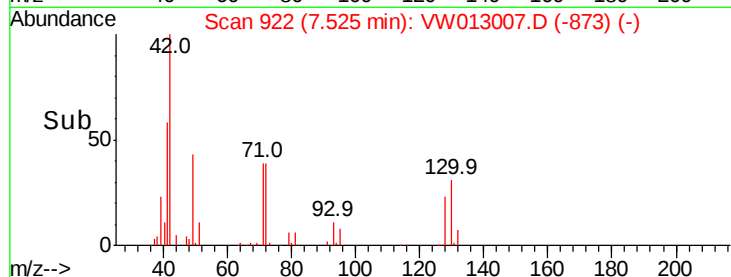
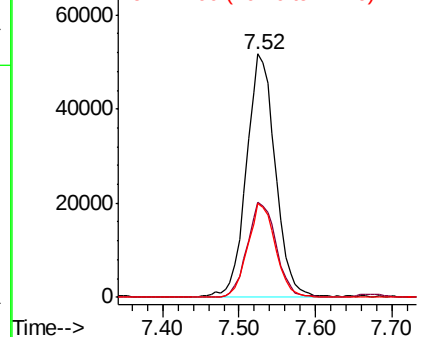
42 100

72 39.1 31.4 47.0

71 37.2 29.8 44.8



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 50.413 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW013007.D

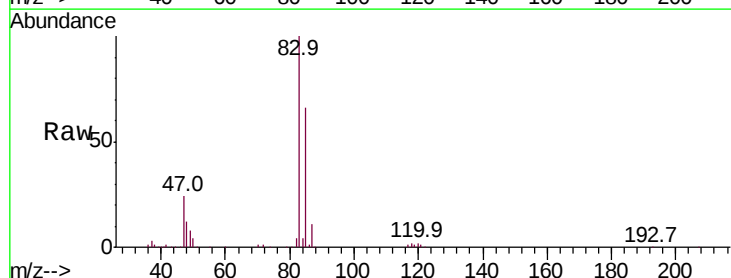
Acq: 14 Sep 2019 21:05

Tgt Ion: 83 Resp: 202379

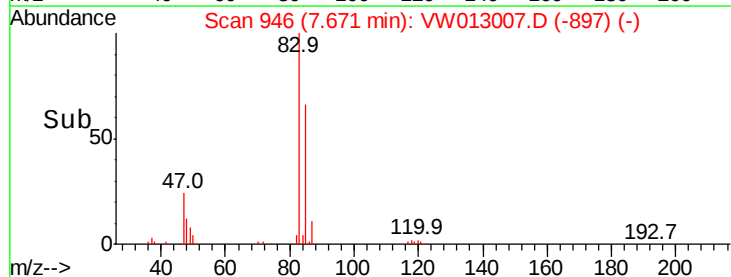
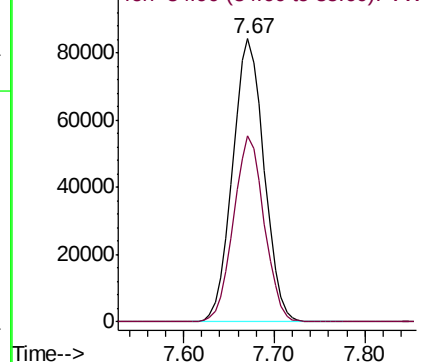
Ion Ratio Lower Upper

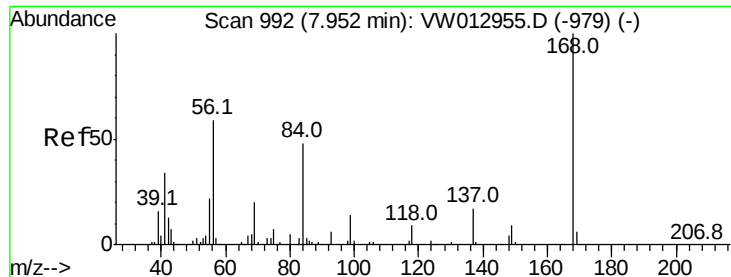
83 100

85 65.8 52.8 79.2



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW

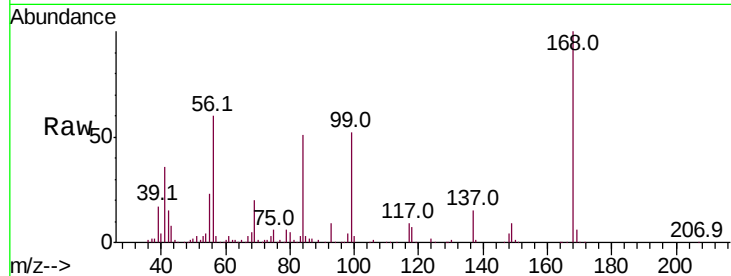




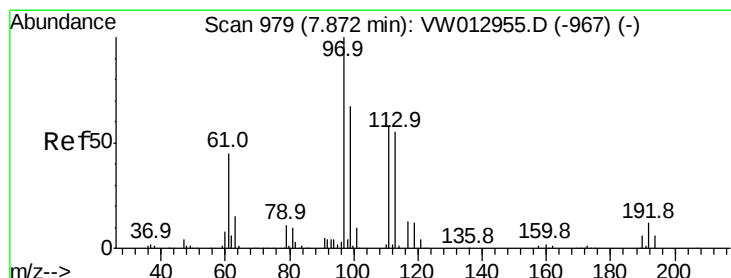
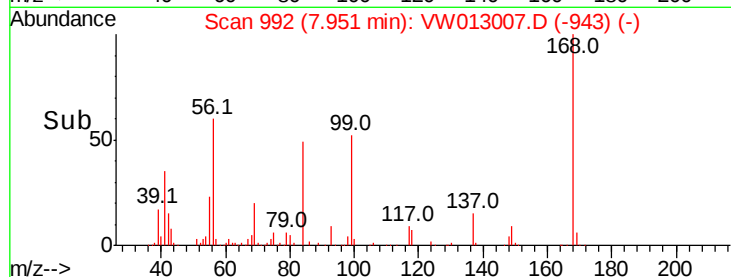
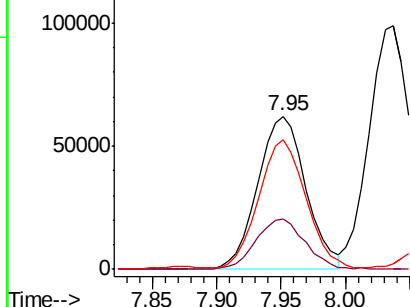
#31
Cyclohexane
Concen: 54.799 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 161312
Ion Ratio Lower Upper
56 100
69 32.5 27.0 40.6
84 82.8 66.2 99.2

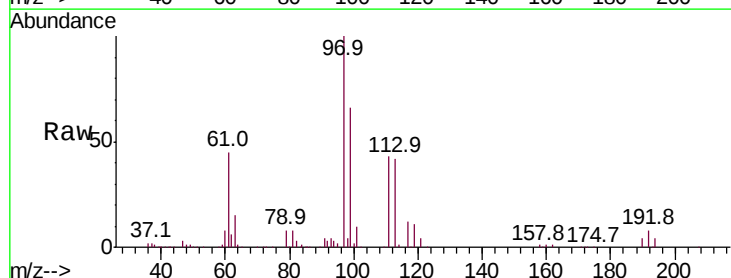


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

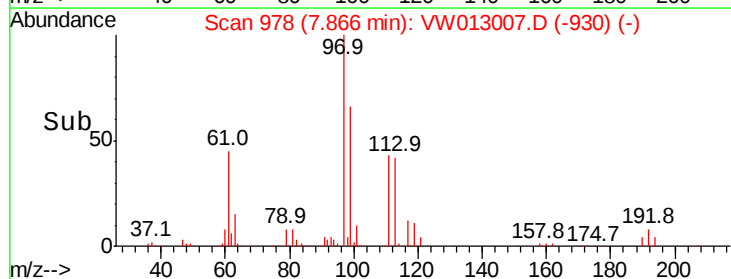
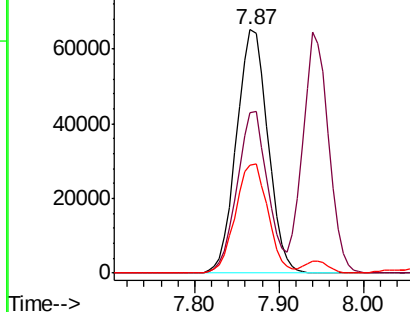


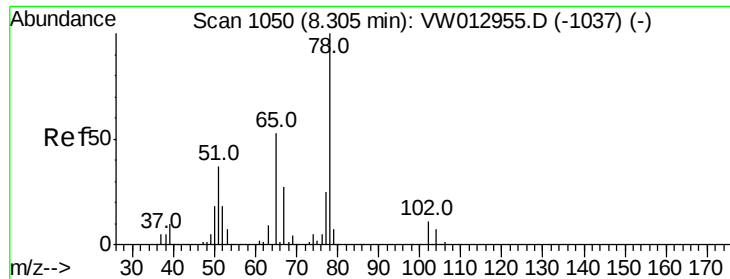
#32
1,1,1-Trichloroethane
Concen: 49.630 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Tgt Ion: 97 Resp: 164075
Ion Ratio Lower Upper
97 100
99 65.1 53.0 79.4
61 46.5 36.5 54.7



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





#33

1,2-Dichloroethane-d4

Concen: 54.682 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Instrument :

MSVOA_W

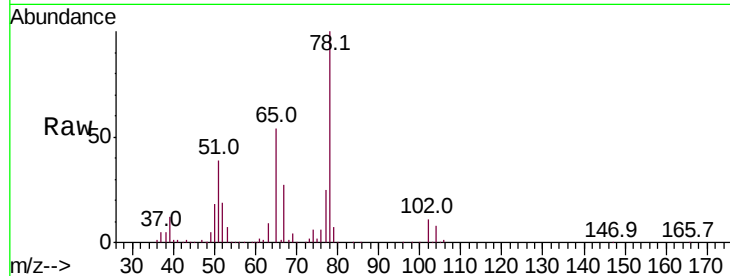
ClientSampleId :

Tot Ion: 65 Resp: 127124

Ion Ratio Lower Upper

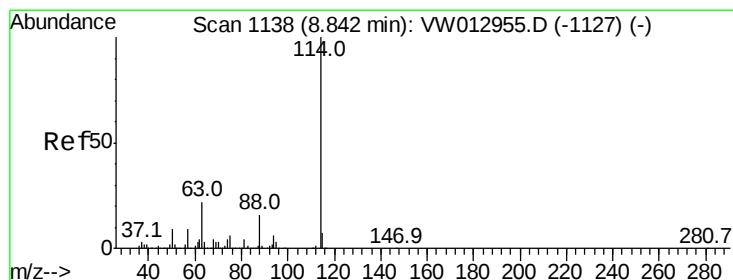
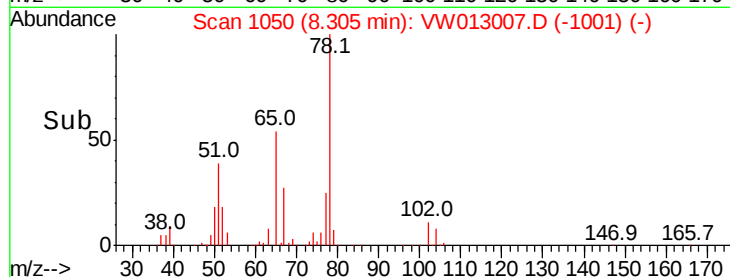
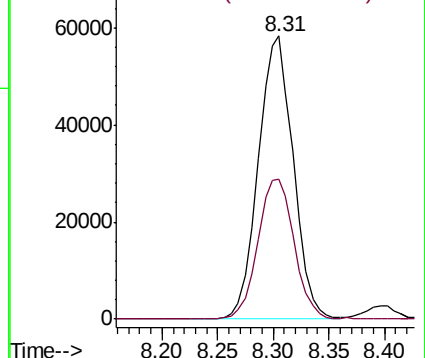
65 100

67 51.4 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

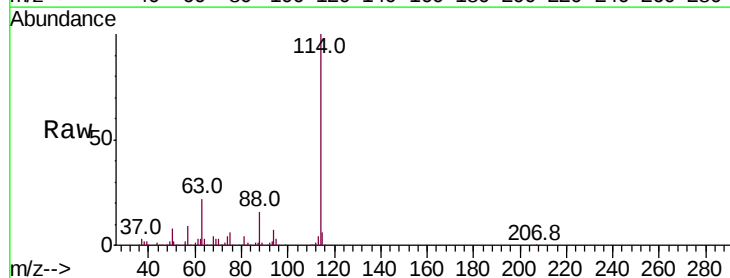
Tgt Ion: 114 Resp: 360402

Ion Ratio Lower Upper

114 100

63 22.1 0.0 43.4

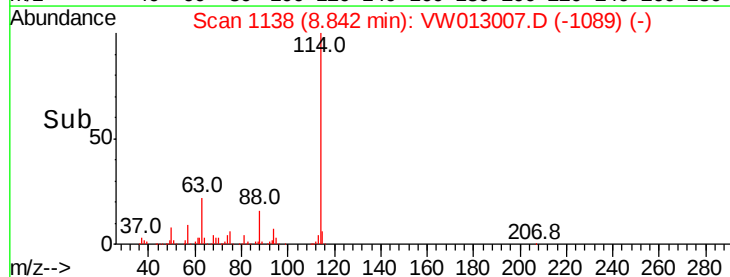
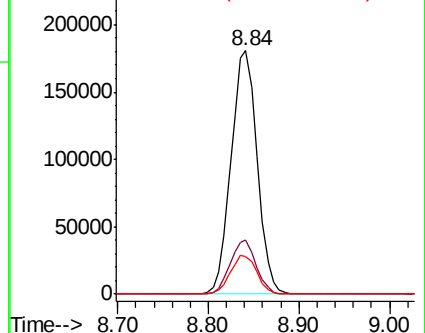
88 15.6 0.0 31.6

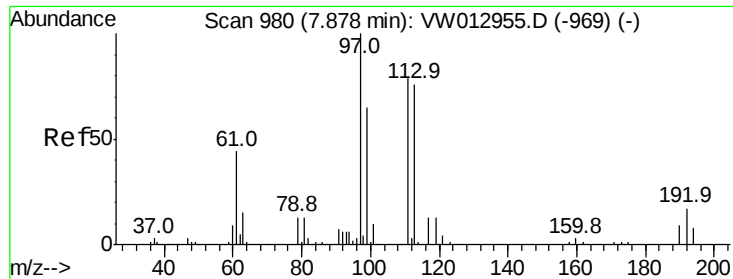


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

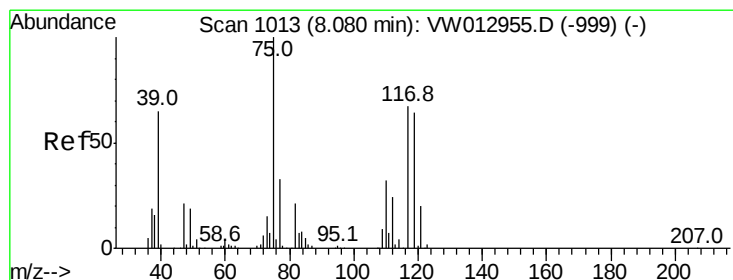
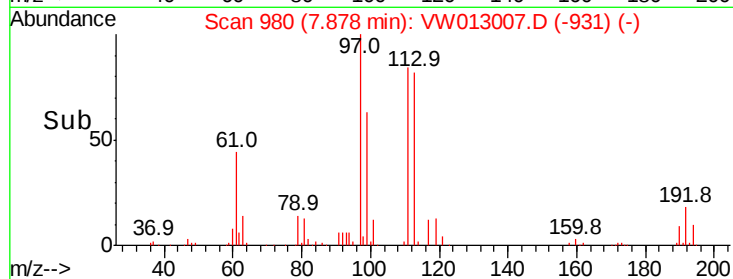
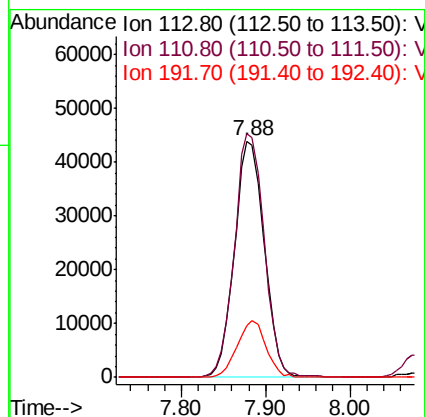
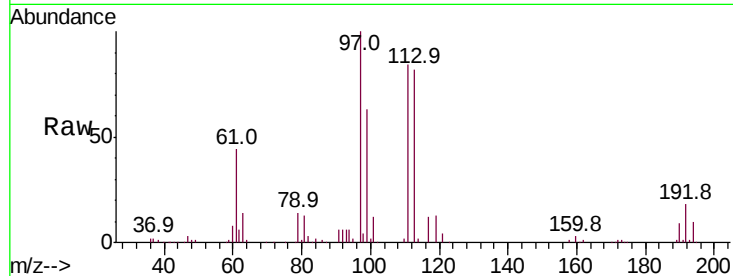




#35
 Dibromofluoromethane
 Concen: 53.657 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013007.D
 Acq: 14 Sep 2019 21:05

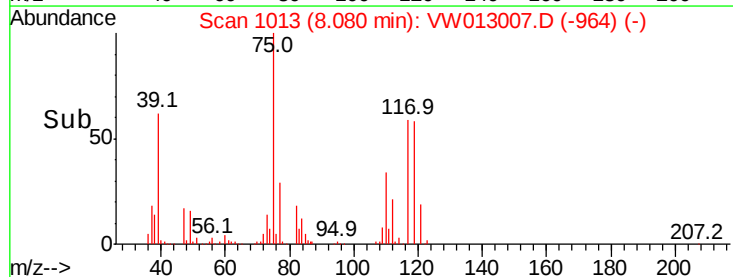
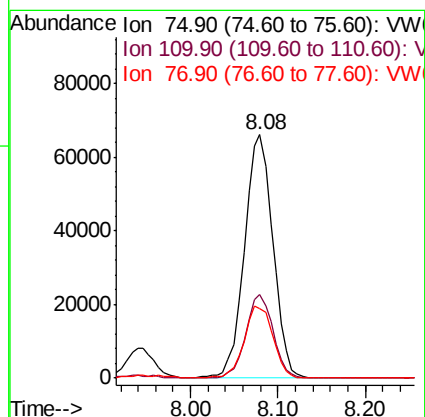
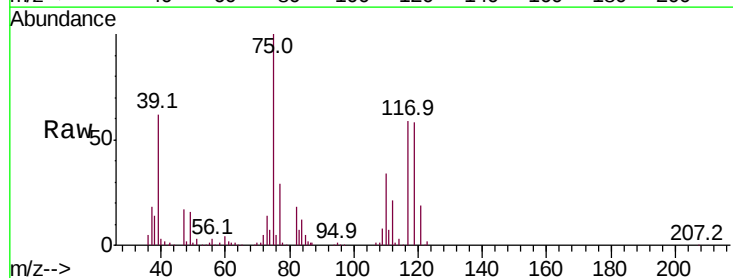
Instrument :
 MSVOA_W
 ClientSampleId :

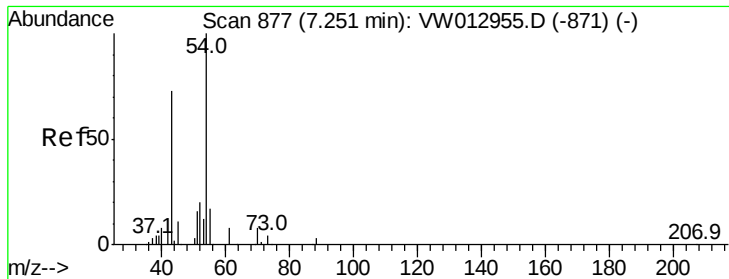
Tot Ion:113 Resp: 104931
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.8 124.2
 192 22.9 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 51.831 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013007.D
 Acq: 14 Sep 2019 21:05

Tgt Ion: 75 Resp: 149269
 Ion Ratio Lower Upper
 75 100
 110 32.9 16.4 49.1
 77 30.1 25.1 37.7





#37

Ethyl Acetate

Concen: 60.431 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Instrument :

MSVOA_W

ClientSampled :

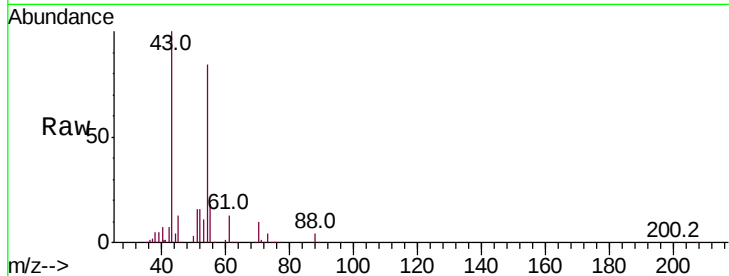
Tot Ion: 43 Resp: 92377

Ion Ratio Lower Upper

43 100

61 12.5 9.6 14.4

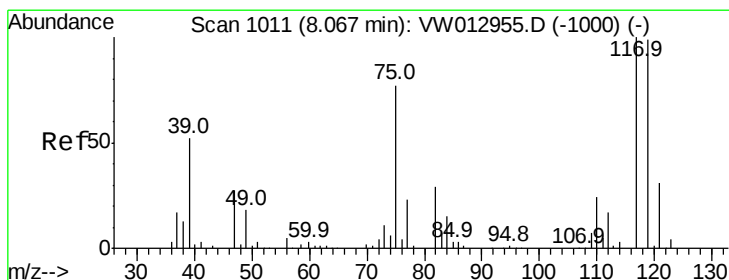
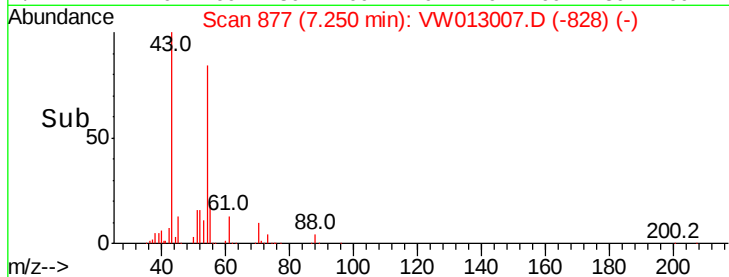
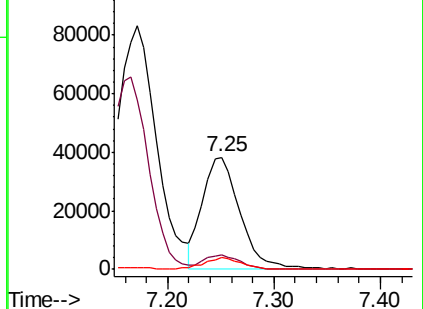
70 10.4 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 50.203 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

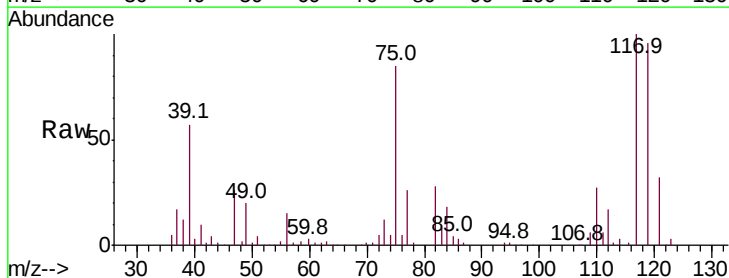
Tgt Ion: 117 Resp: 148165

Ion Ratio Lower Upper

117 100

119 96.5 79.4 119.0

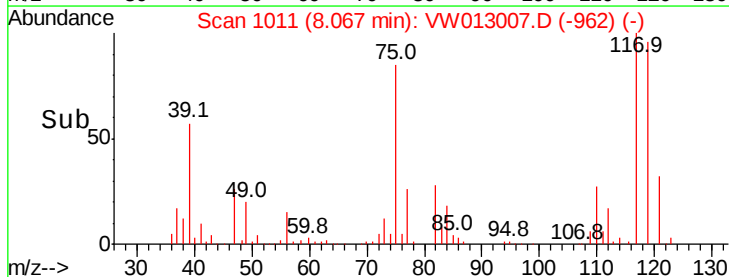
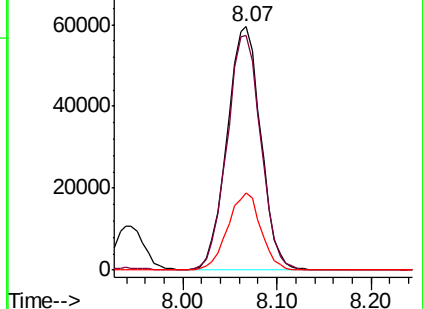
121 31.5 24.6 36.8

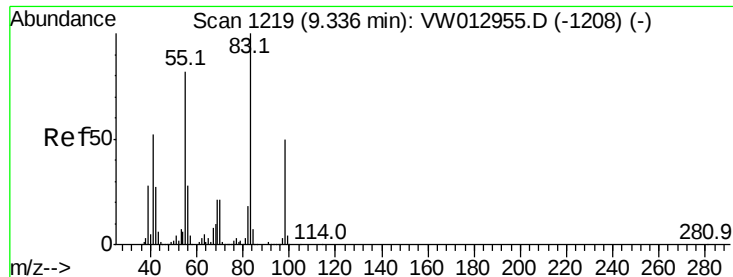


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

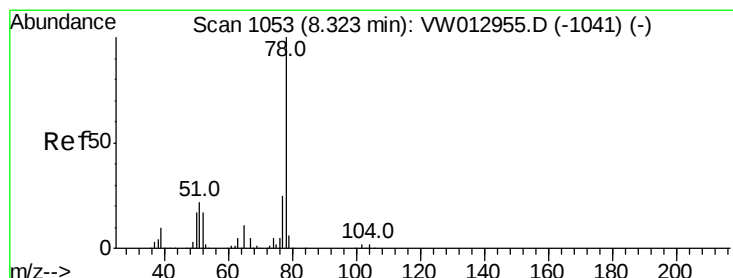
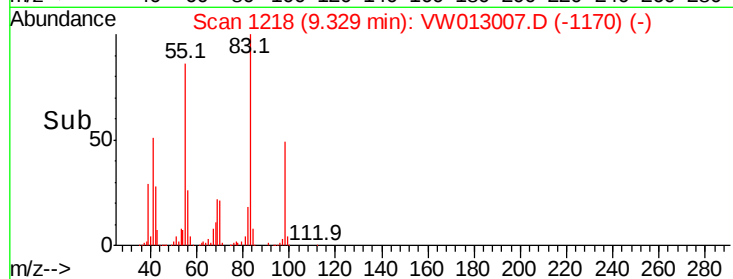
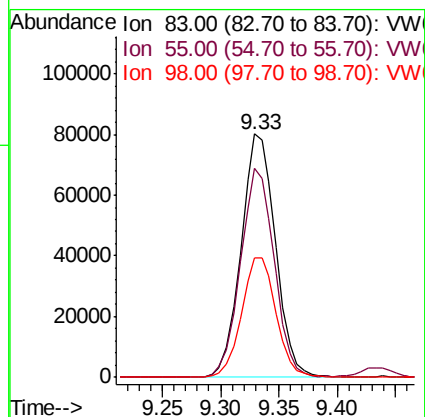
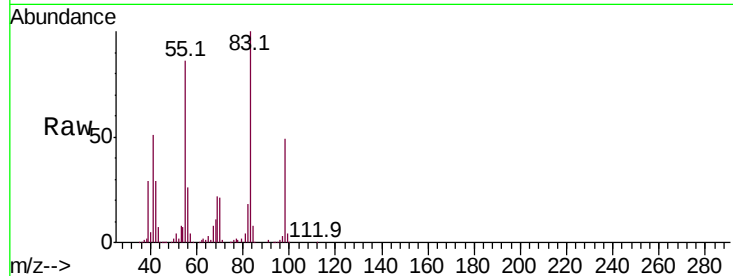




#39
Methvlcvclohexane
Concen: 52.326 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

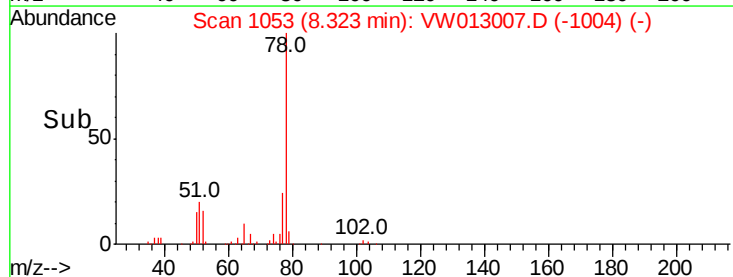
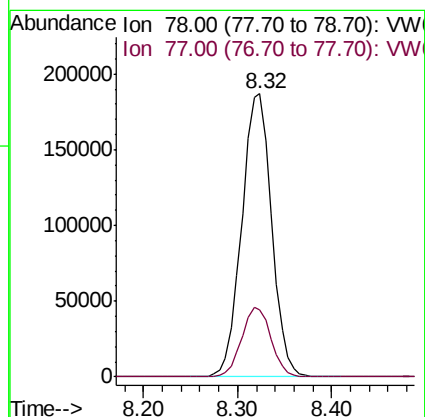
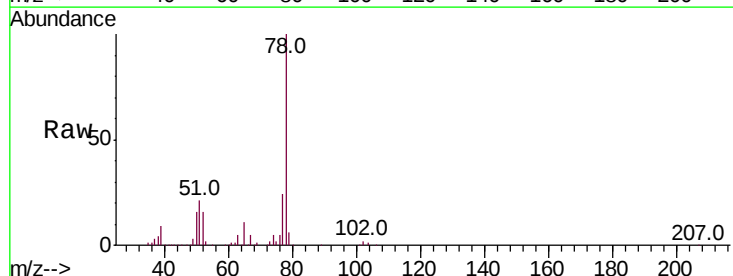
Instrument :
MSVOA_W
ClientSampleId :

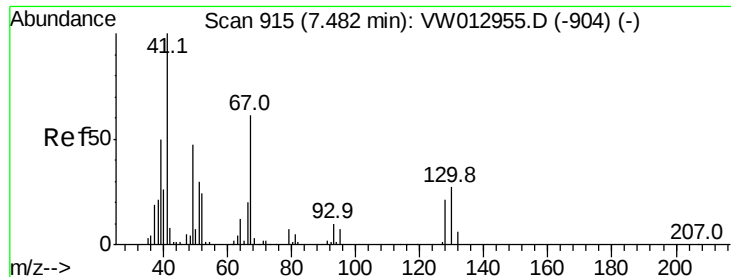
Tot Ion	Ratio	Lower	Upper
83	100		
55	85.6	65.9	98.9
98	49.0	39.6	59.4



#40
Benzene
Concen: 51.559 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.6	29.4

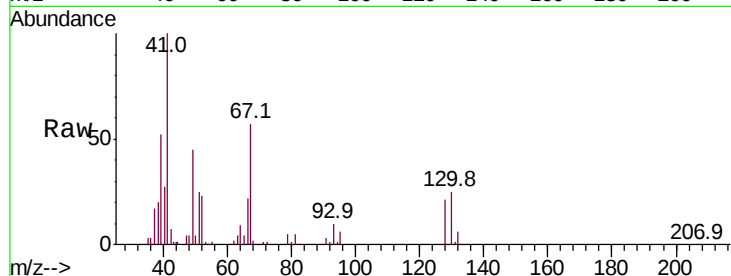




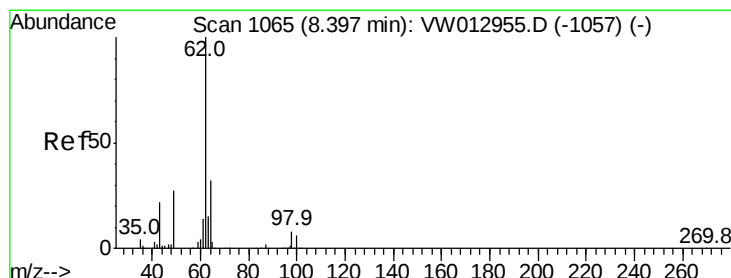
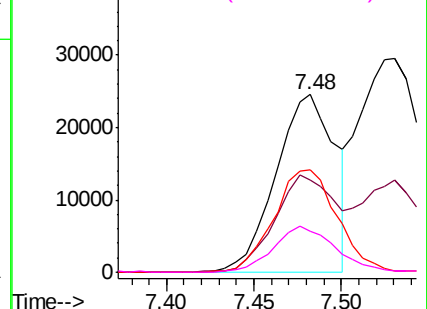
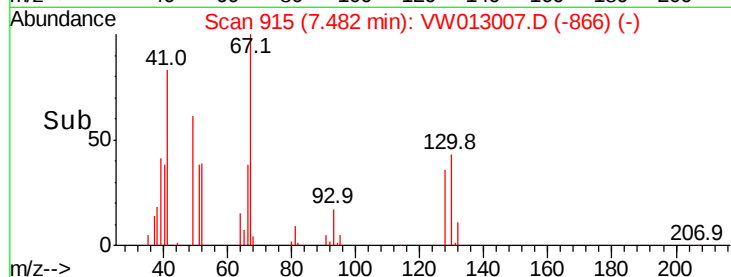
#41
Methacrylonitrile
Concen: 57.798 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	58183
Ion	Ratio	Lower	Upper
41	100		
39	55.2	48.2	72.4
67	61.9	47.5	71.3
52	26.9	21.0	31.4

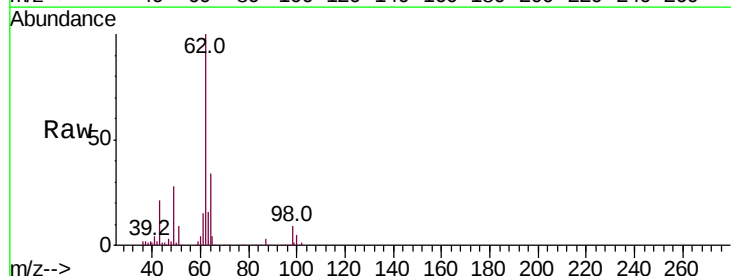


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

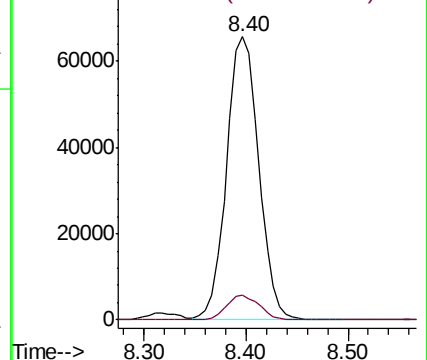
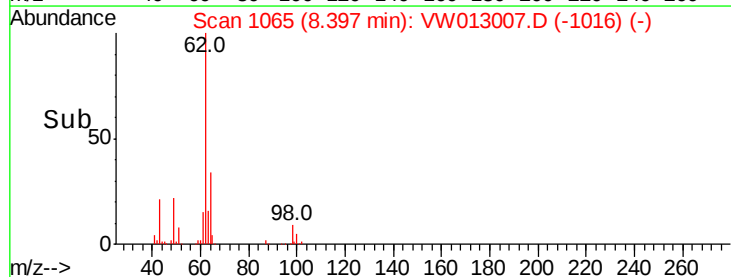


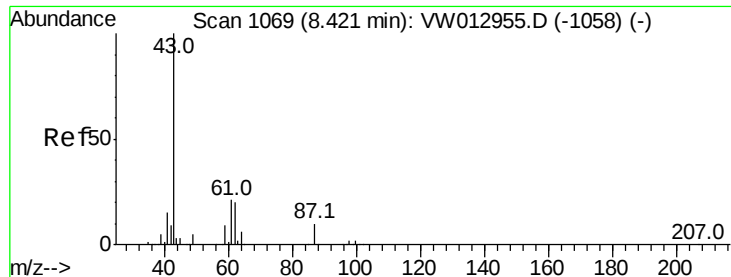
#42
1,2-Dichloroethane
Concen: 53.226 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Tgt Ion:	62	Resp:	143449
Ion	Ratio	Lower	Upper
62	100		
98	8.9	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: 61.244 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Instrument :

MSVOA_W

ClientSampled :

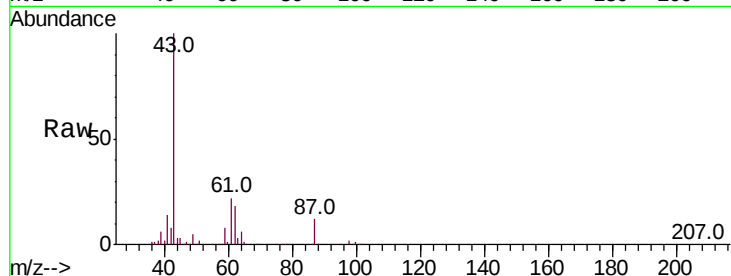
Tot Ion: 43 Resp: 179754

Ion Ratio Lower Upper

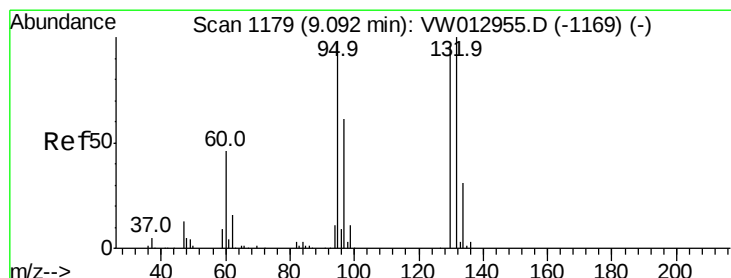
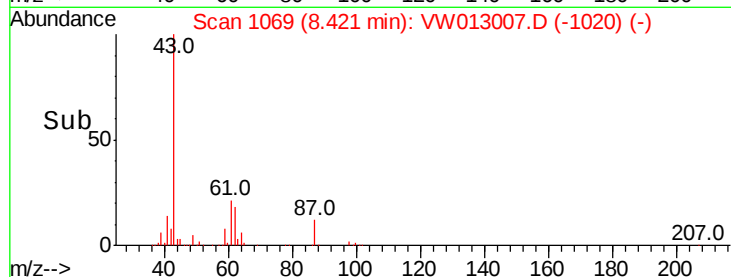
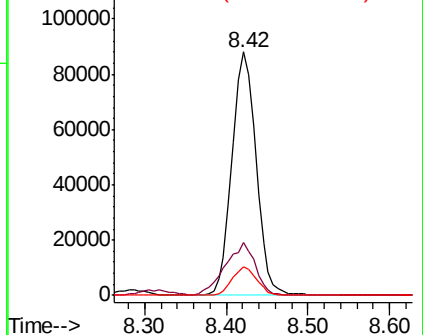
43 100

61 27.1 22.7 34.1

87 11.9 9.4 14.2



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



#44

Trichloroethene

Concen: 51.279 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW013007.D

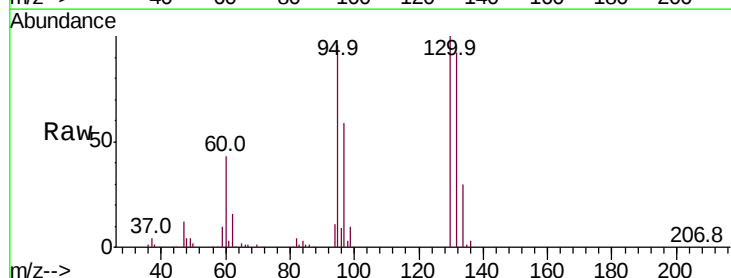
Acq: 14 Sep 2019 21:05

Tgt Ion: 130 Resp: 112924

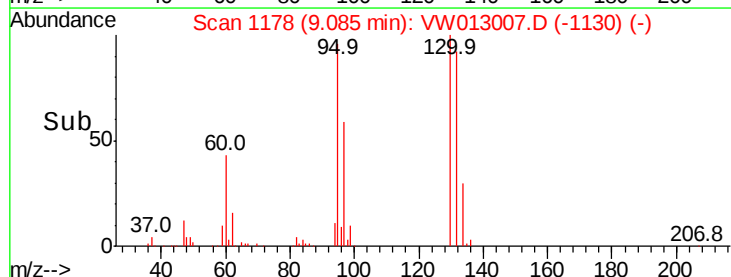
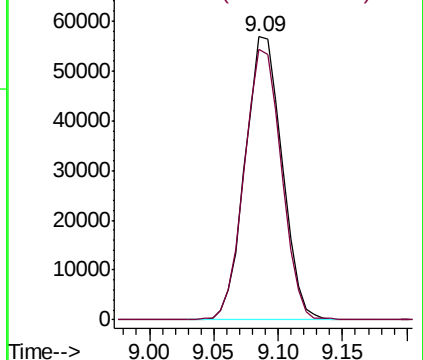
Ion Ratio Lower Upper

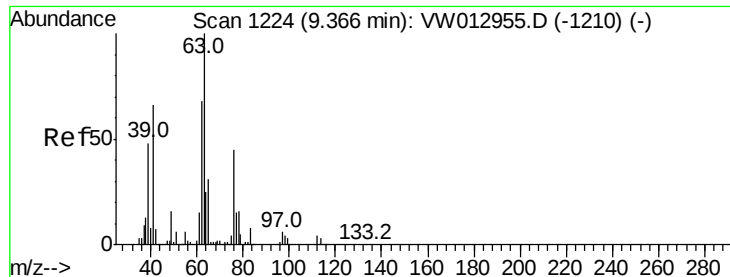
130 100

95 95.7 0.0 204.4



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





#45

1,2-Dichloropropane

Concen: 53.369 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Instrument :

MSVOA_W

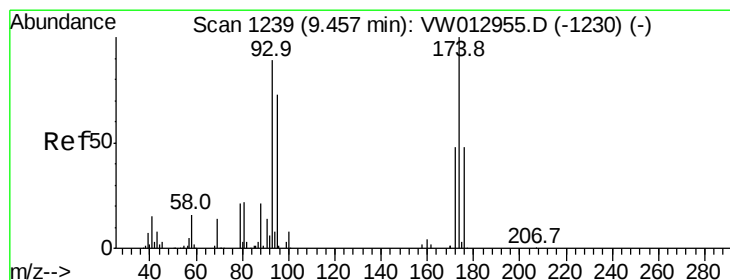
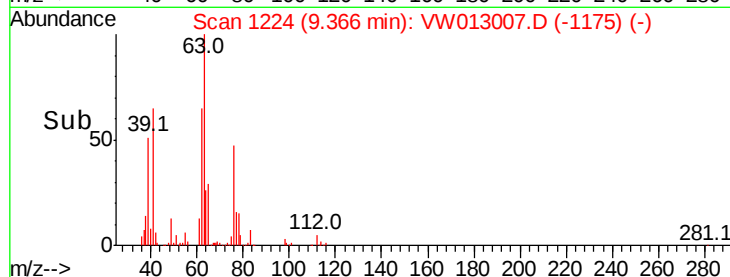
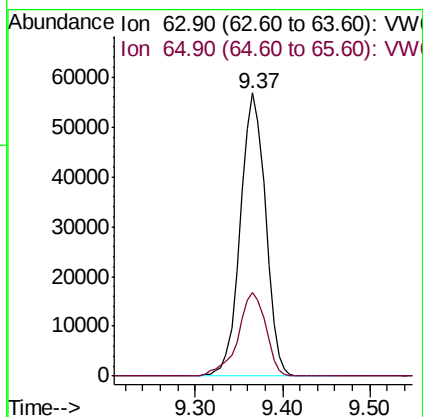
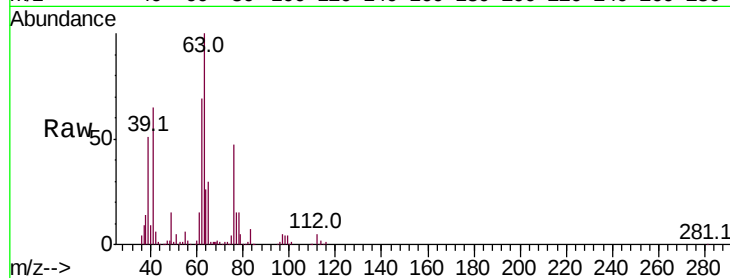
ClientSampleId :

Tot Ion: 63 Resp: 113999

Ion Ratio Lower Upper

63 100

65 29.6 24.6 37.0



#46

Dibromomethane

Concen: 55.968 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

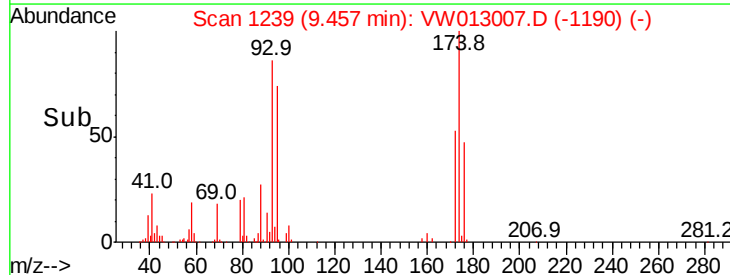
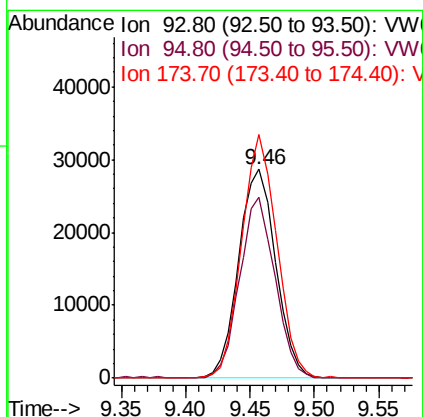
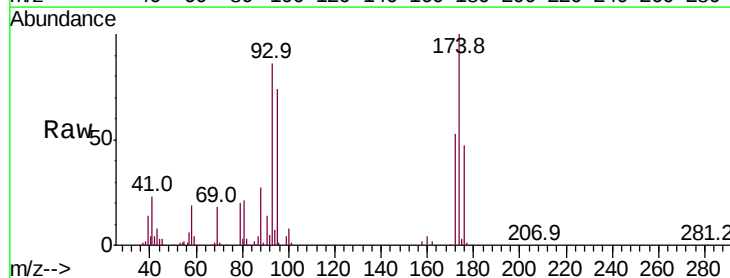
Tgt Ion: 93 Resp: 57276

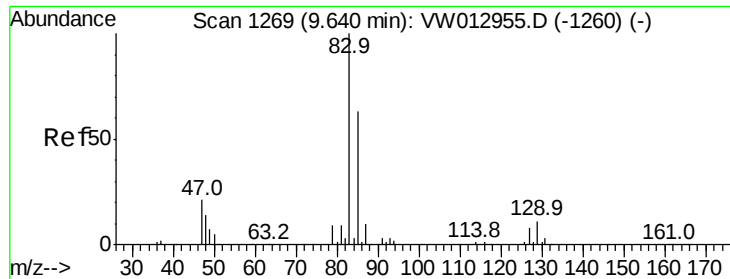
Ion Ratio Lower Upper

93 100

95 82.3 67.0 100.4

174 110.5 90.5 135.7





#47

Bromodichloromethane

Concen: 52.170 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Instrument :
MSVOA_W
ClientSampleId :

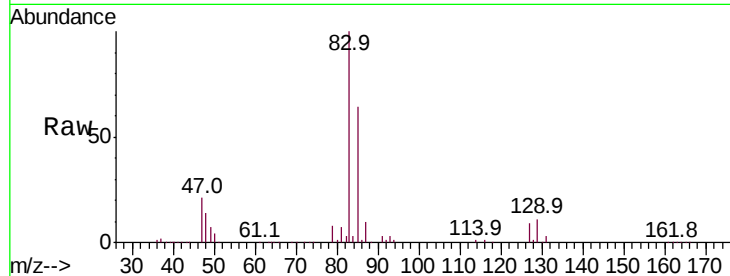
Tot Ion: 83 Resp: 149758

Ion Ratio Lower Upper

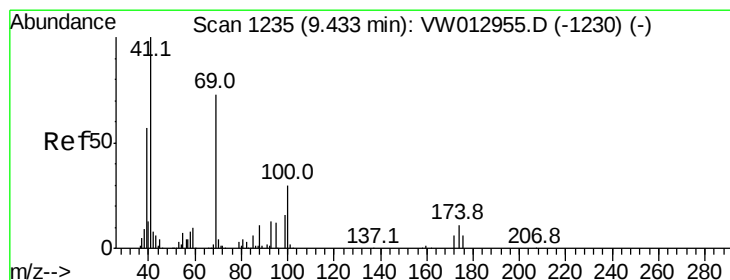
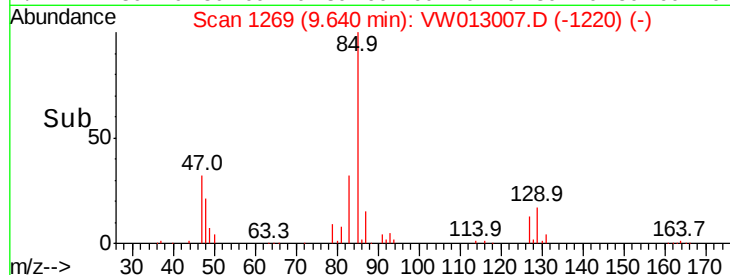
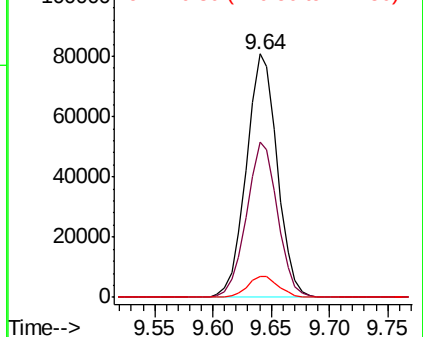
83 100

85 63.7 50.6 75.8

127 8.5 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 60.991 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

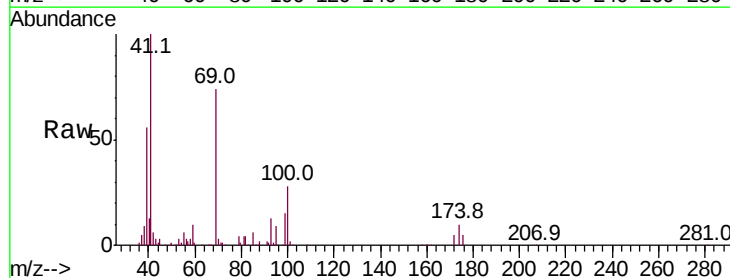
Tgt Ion: 41 Resp: 84013

Ion Ratio Lower Upper

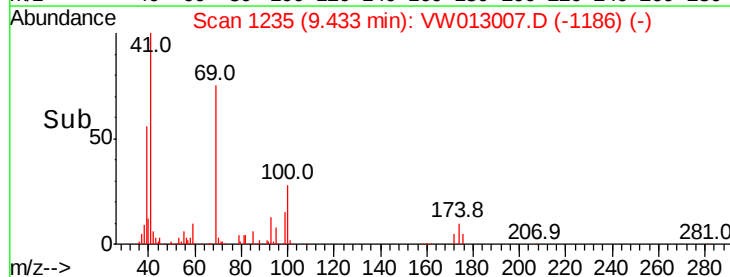
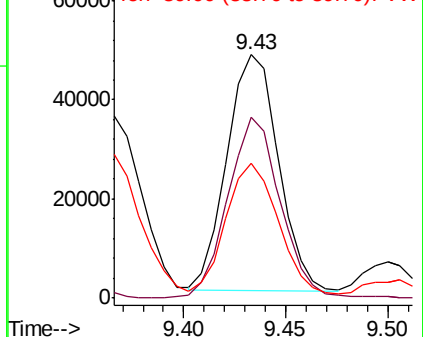
41 100

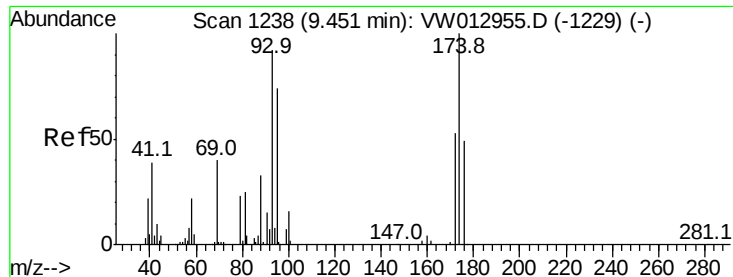
69 78.2 62.8 94.2

39 59.2 48.5 72.7



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





#49

1,4-Dioxane

Concen: 1265.629 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

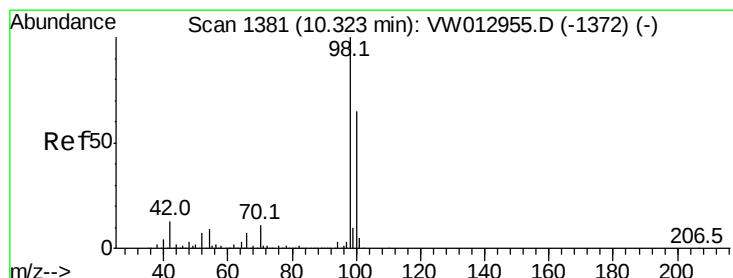
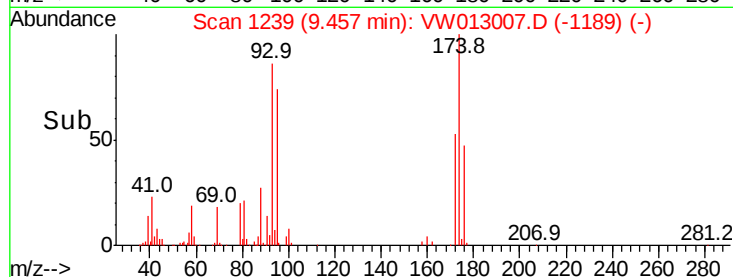
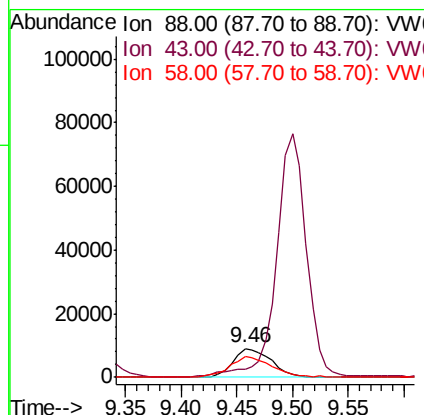
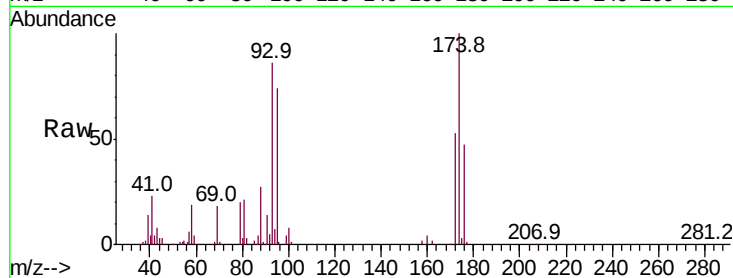
Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 88 Resp: 21703

Ion	Ratio	Lower	Upper
88	100		
43	0.0	31.3	46.9#
58	78.2	60.2	90.2



#50

Toluene-d8

Concen: 55.460 ug/l

RT: 10.32 min Scan# 1381

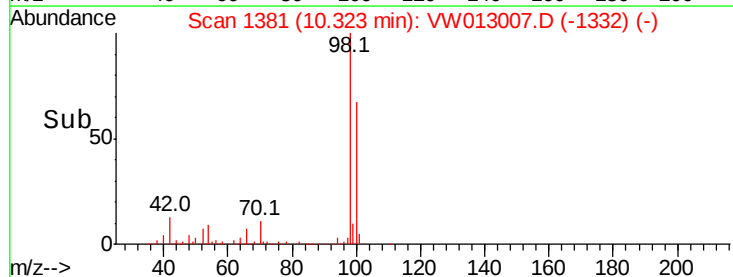
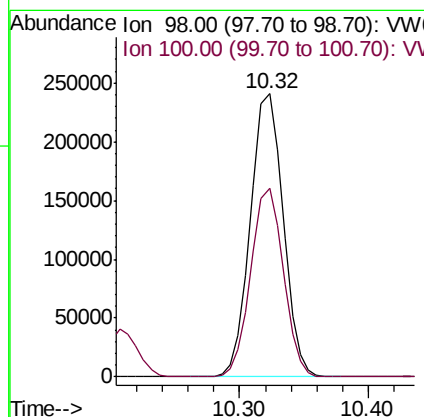
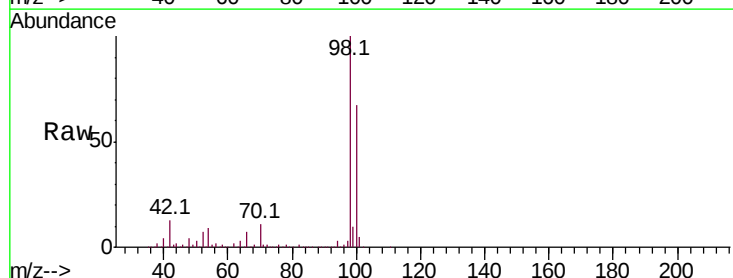
Delta R.T. -0.00 min

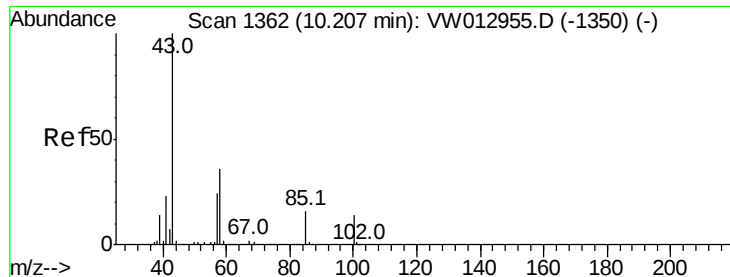
Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Tgt Ion: 98 Resp: 424404

Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 318.372 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Instrument :

MSVOA_W

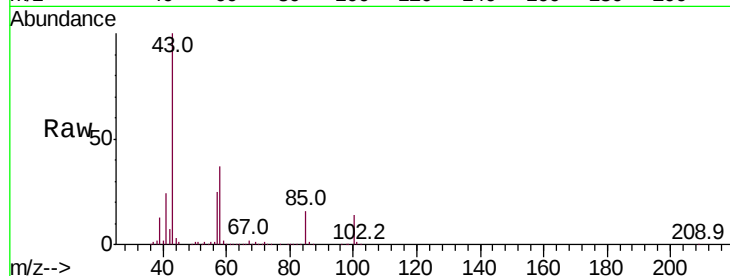
ClientSampled :

Tot Ion: 43 Resp: 482425

Ion Ratio Lower Upper

43 100

58 37.5 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

250000

200000

150000

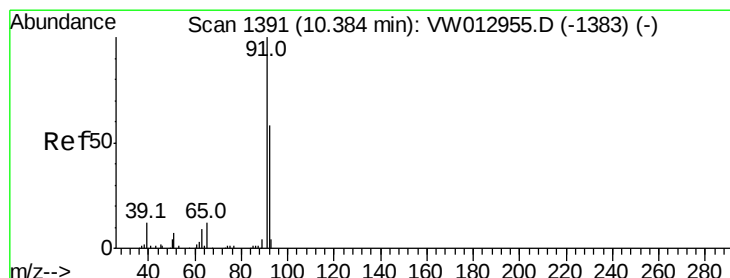
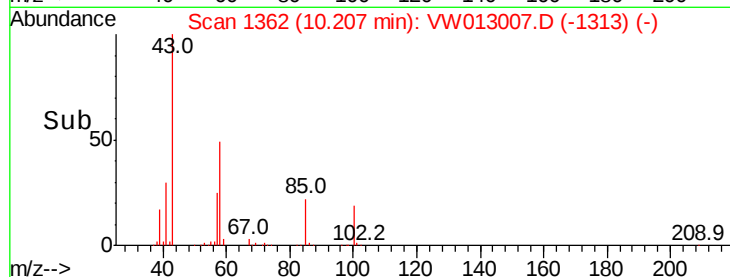
100000

50000

0

Time-->

10.10 10.20 10.30



#52

Toluene

Concen: 52.375 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013007.D

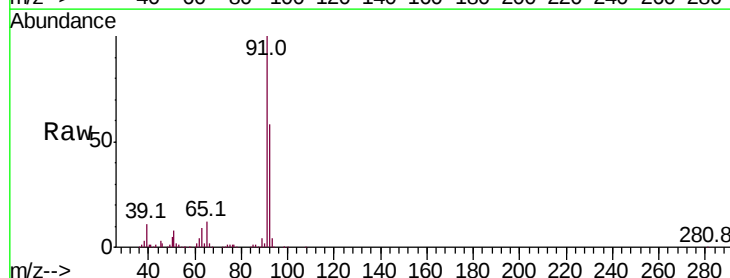
Acq: 14 Sep 2019 21:05

Tgt Ion: 92 Resp: 267573

Ion Ratio Lower Upper

92 100

91 171.3 137.5 206.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.38

250000

200000

150000

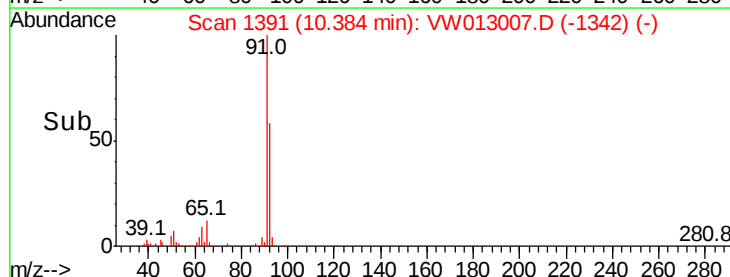
100000

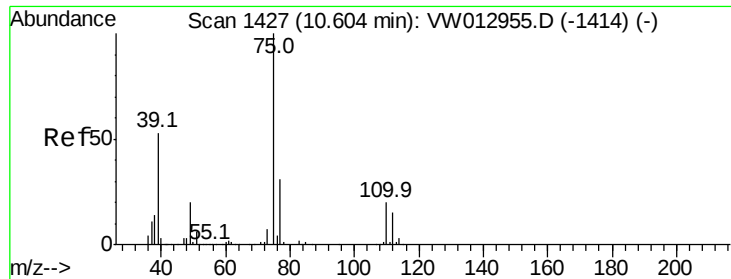
50000

0

Time-->

10.30 10.40





#53

t-1,3-Dichloropropene

Concen: 52.380 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Instrument :

MSVOA_W

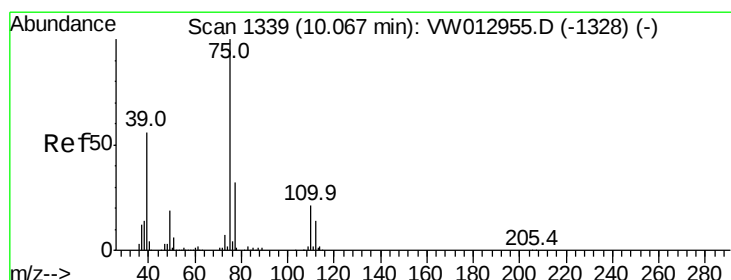
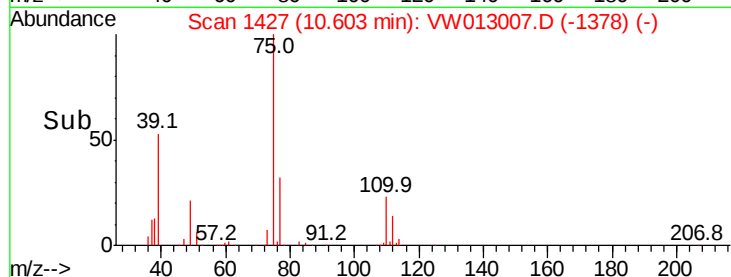
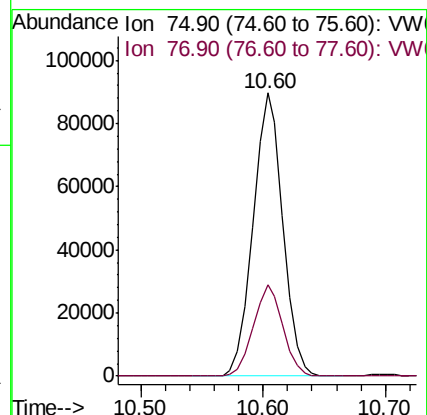
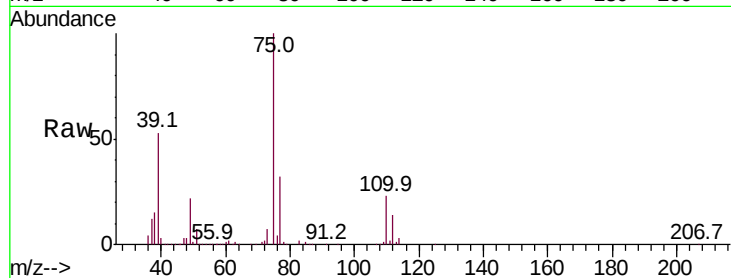
ClientSampled :

Tot Ion: 75 Resp: 151219

Ion Ratio Lower Upper

75 100

77 32.3 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 52.189 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

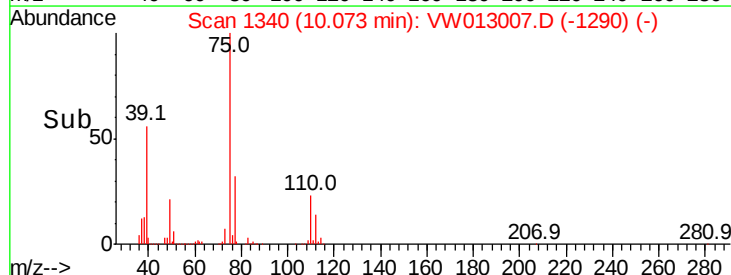
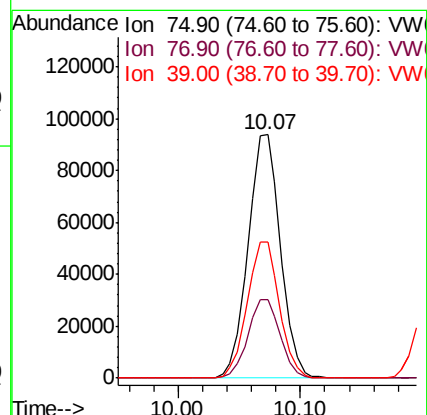
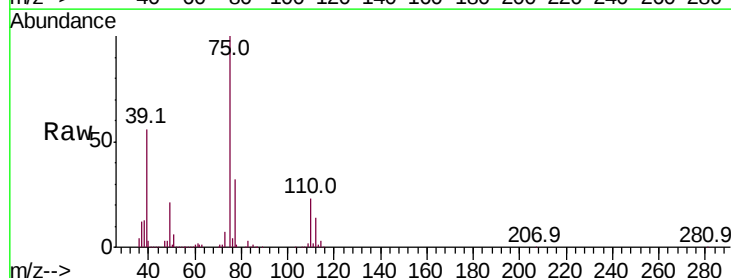
Tgt Ion: 75 Resp: 172393

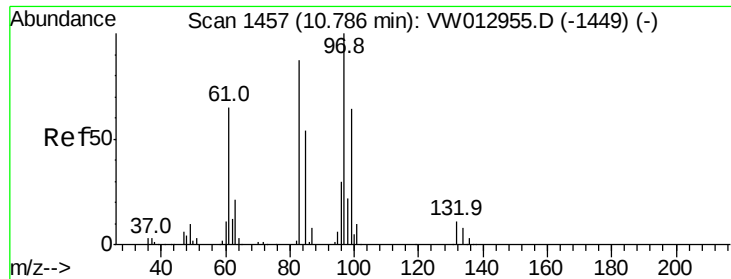
Ion Ratio Lower Upper

75 100

77 32.1 25.5 38.3

39 56.0 45.0 67.6





#55

1,1,2-Trichloroethane

Concen: 56.241 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 87680

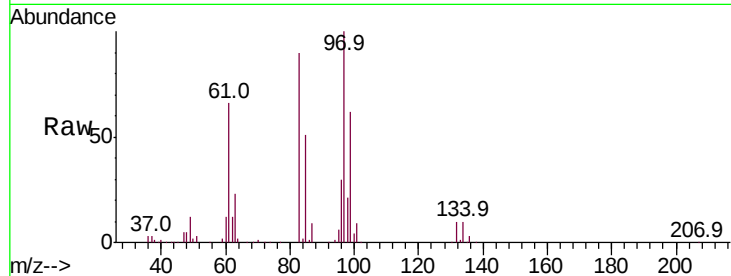
Ion	Ratio	Lower	Upper
97	100		
83	89.5	69.4	104.0
85	50.7	43.3	64.9
99	62.2	50.9	76.3

97 100

83 89.5 69.4 104.0

85 50.7 43.3 64.9

99 62.2 50.9 76.3



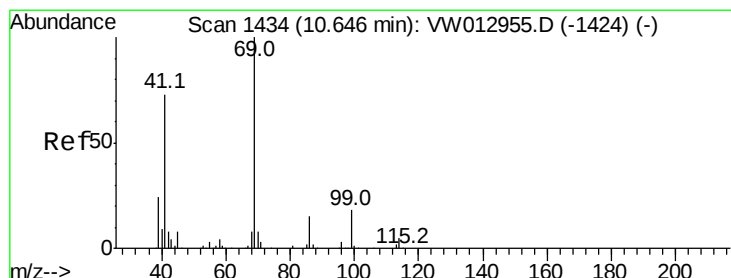
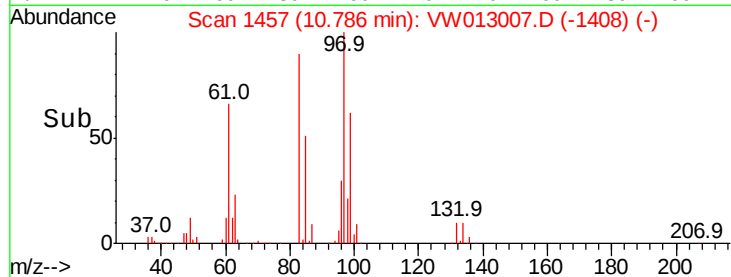
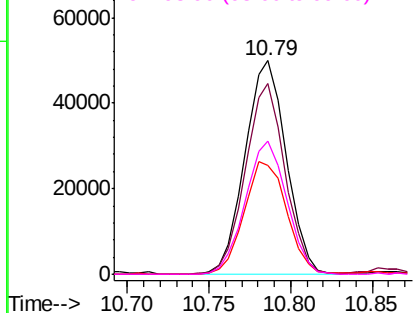
Abundance

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: 60.907 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

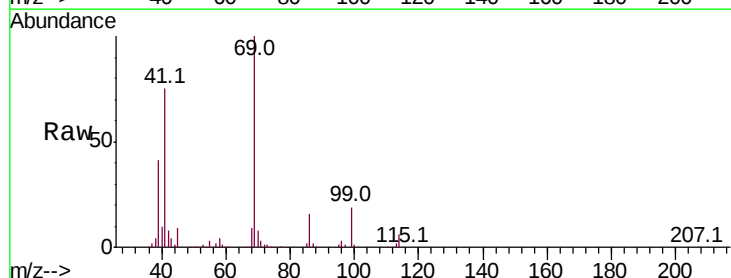
Tgt Ion: 69 Resp: 127812

Ion	Ratio	Lower	Upper
69	100		
41	75.4	60.8	91.2
39	34.9	29.4	44.0

69 100

41 75.4 60.8 91.2

39 34.9 29.4 44.0

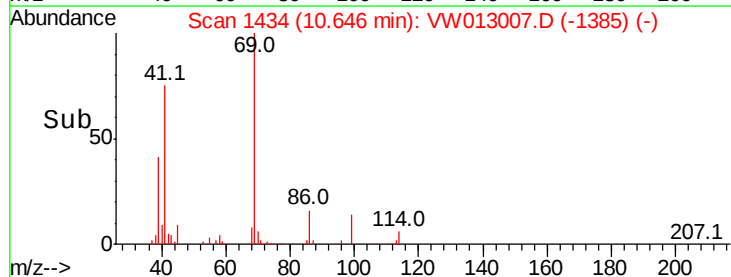
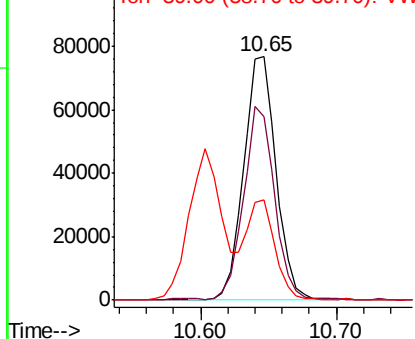


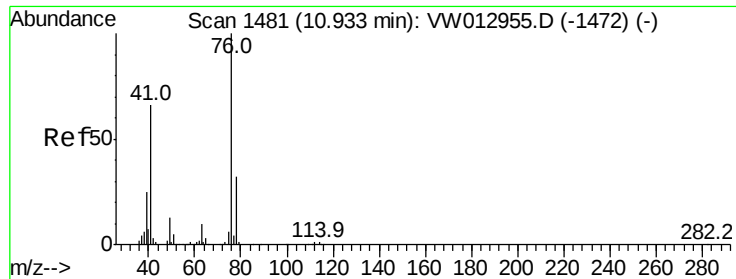
Abundance

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: 56.242 ug/l

RT: 10.93 min Scan# 1480

Delta R.T. -0.01 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Instrument :

MSVOA_W

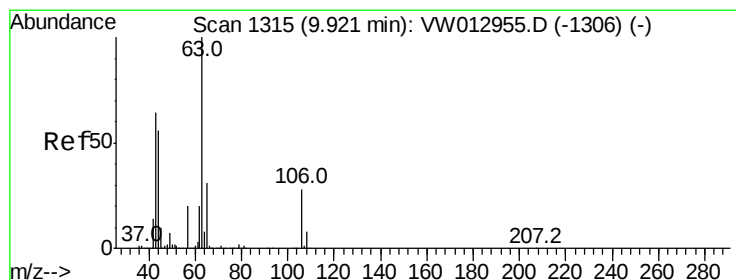
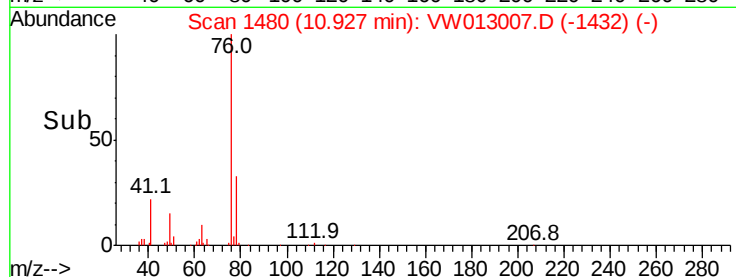
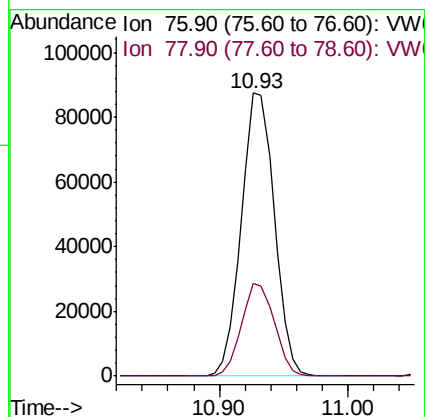
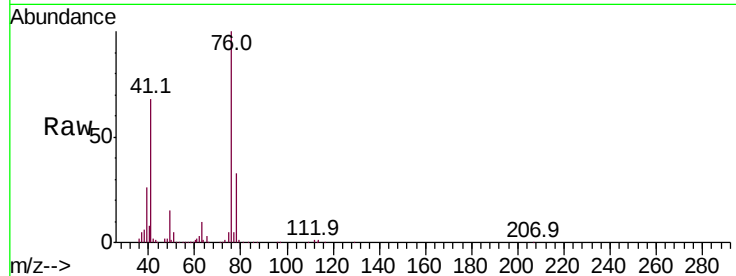
ClientSampleId :

Tot Ion: 76 Resp: 155540

Ion Ratio Lower Upper

76 100

78 32.7 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 297.263 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW013007.D

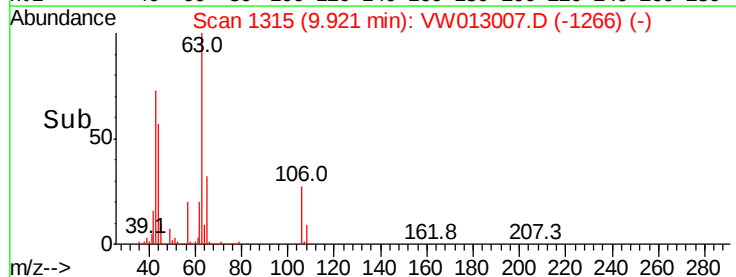
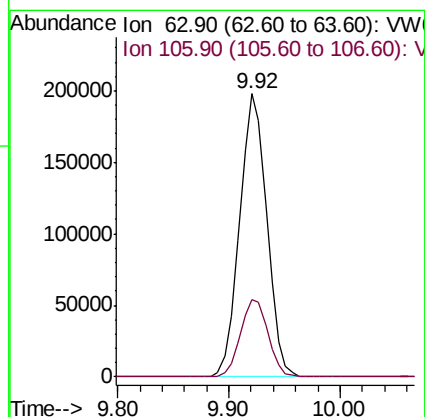
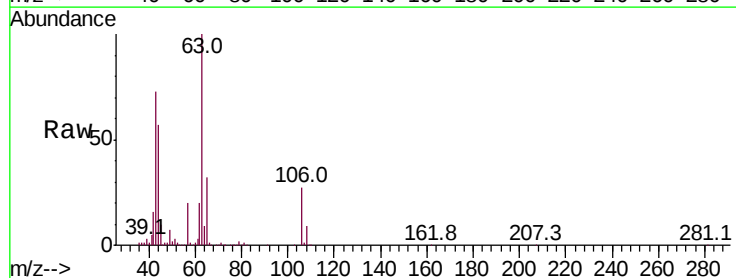
Acq: 14 Sep 2019 21:05

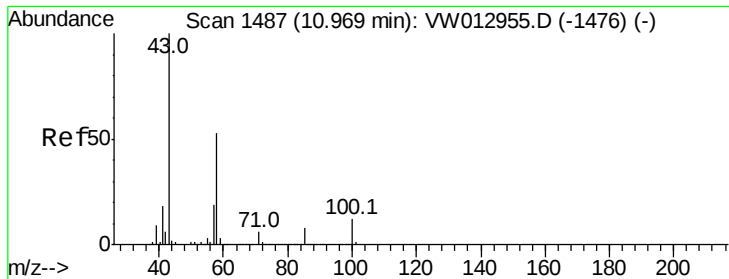
Tgt Ion: 63 Resp: 334623

Ion Ratio Lower Upper

63 100

106 27.8 22.2 33.2

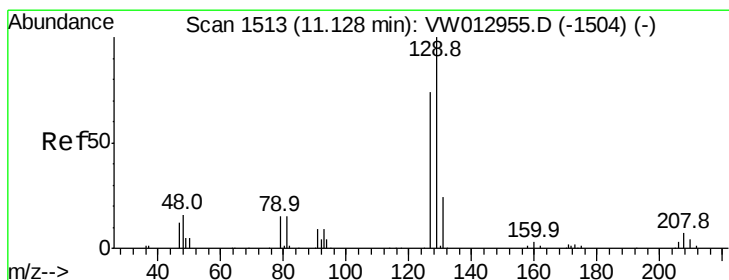
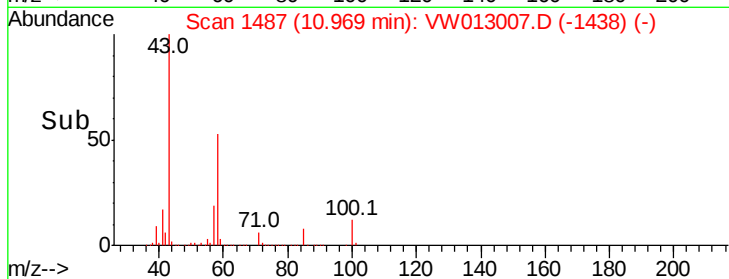
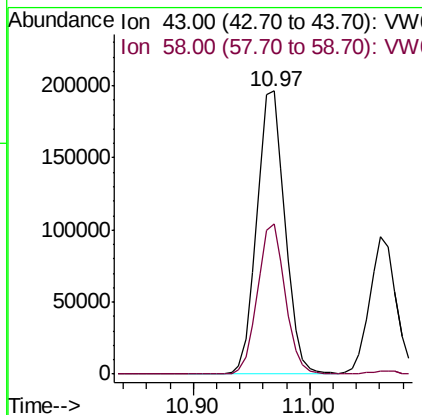
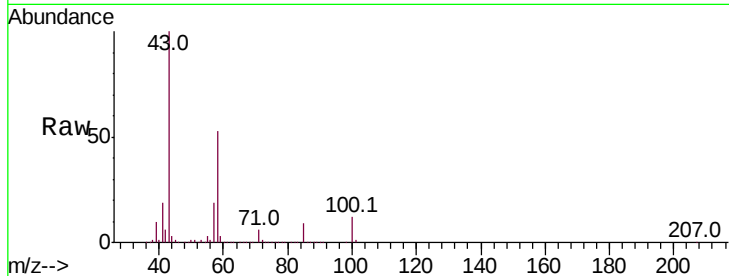




#59
2-Hexanone
Concen: 312.509 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

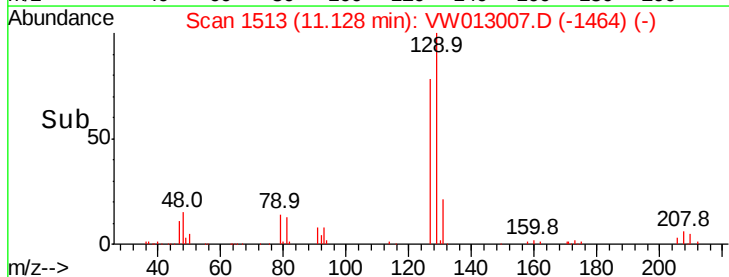
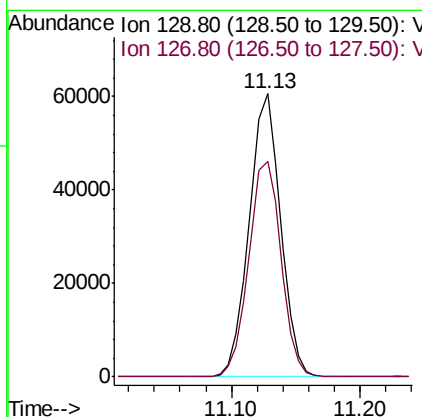
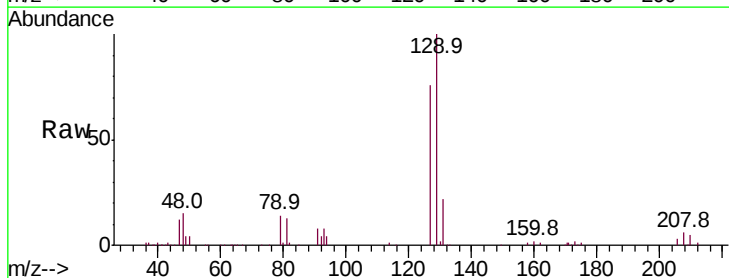
Instrument :
MSVOA_W
ClientSampled :

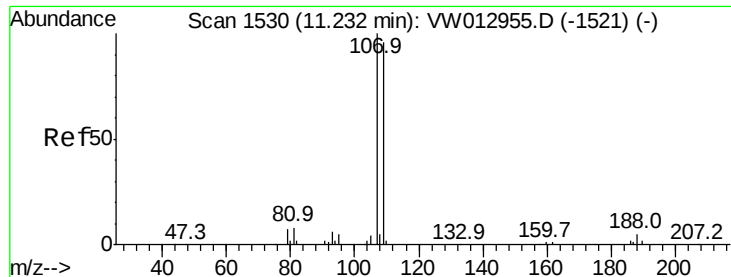
Tot Ion: 43 Resp: 329731
Ion Ratio Lower Upper
43 100
58 52.0 25.8 77.3



#60
Dibromochloromethane
Concen: 54.058 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Tgt Ion: 129 Resp: 101890
Ion Ratio Lower Upper
129 100
127 78.1 37.4 112.2





#61

1,2-Dibromoethane

Concen: 56.941 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Instrument :

MSVOA_W

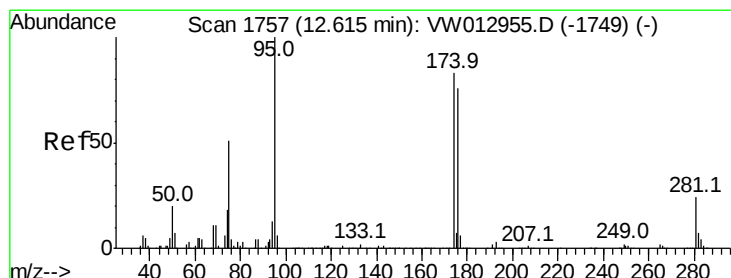
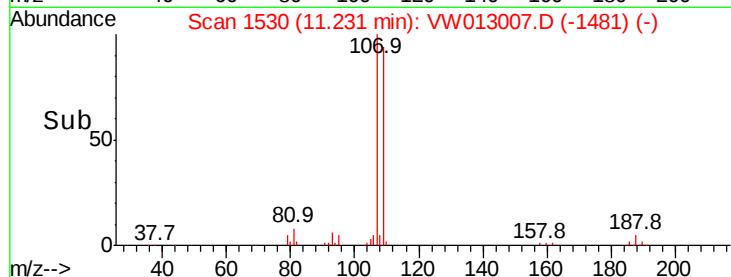
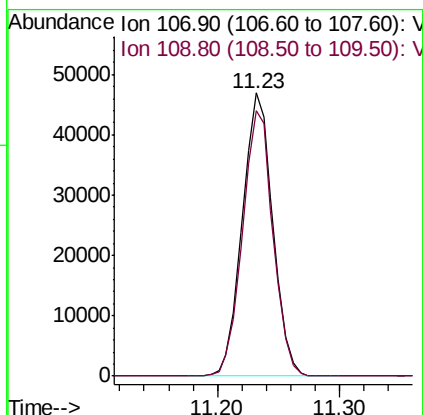
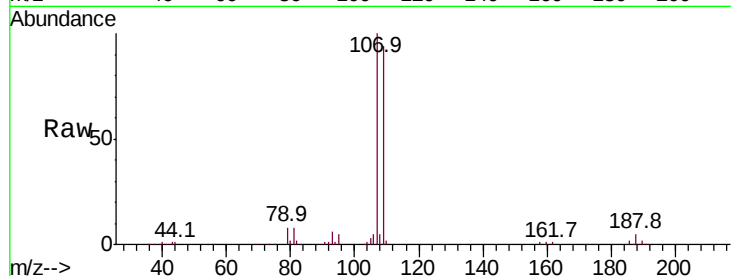
ClientSampleId :

Tot Ion:107 Resp: 80981

Ion Ratio Lower Upper

107 100

109 93.9 75.0 112.6



#62

4-Bromofluorobenzene

Concen: 53.906 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

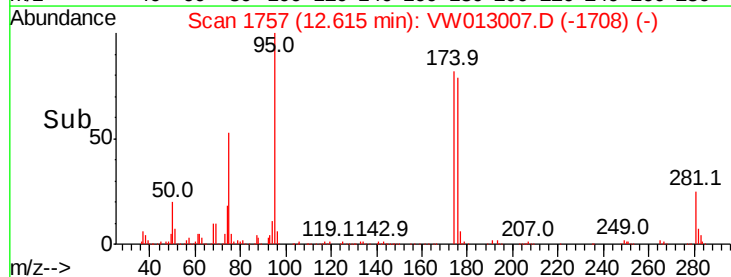
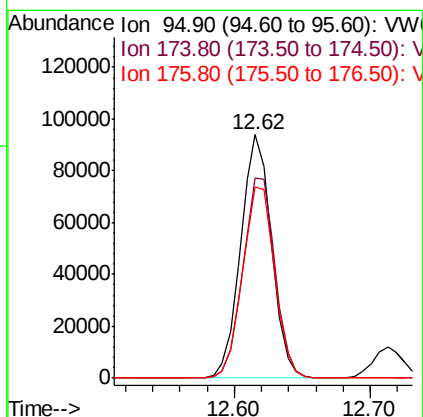
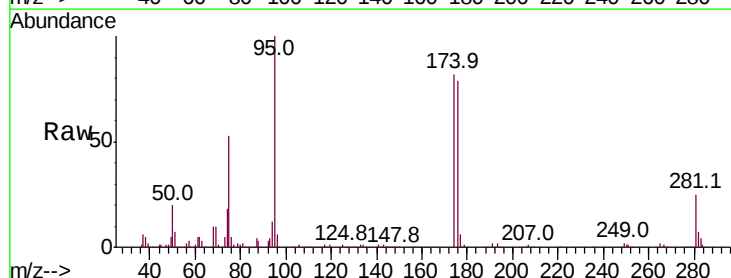
Tgt Ion: 95 Resp: 148331

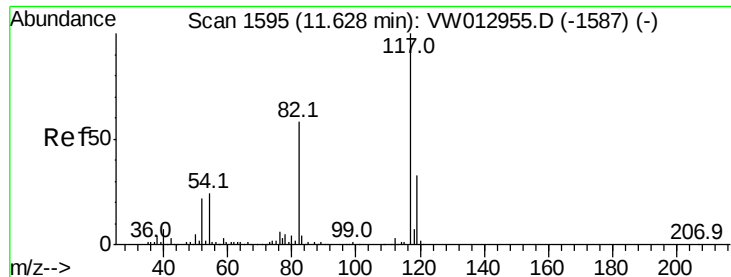
Ion Ratio Lower Upper

95 100

174 86.2 0.0 170.4

176 82.6 0.0 164.6

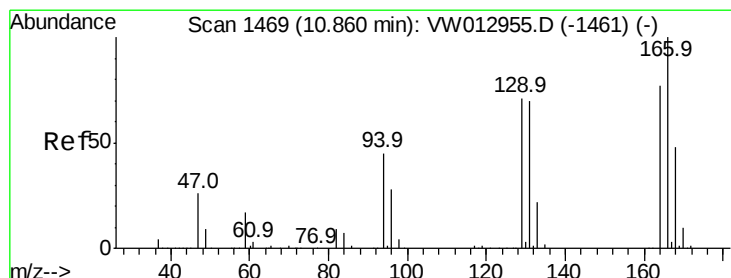
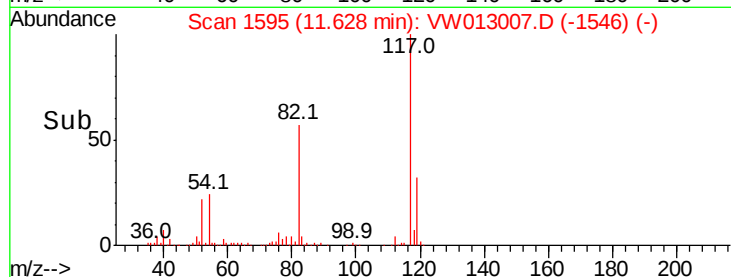
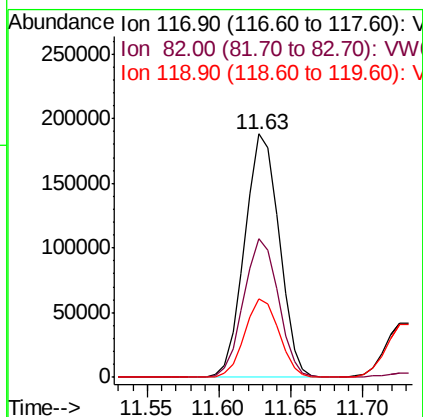
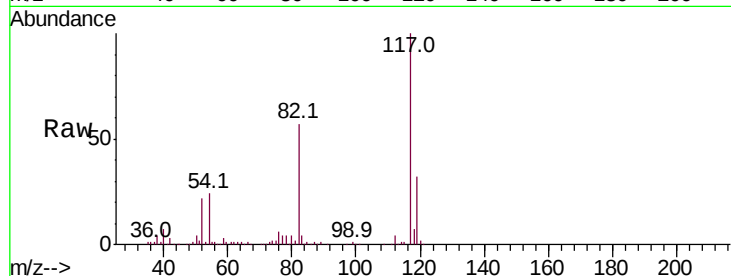




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

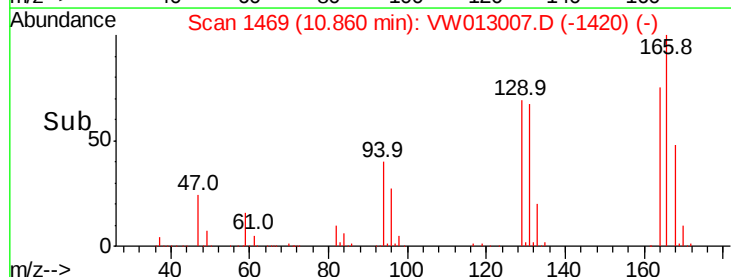
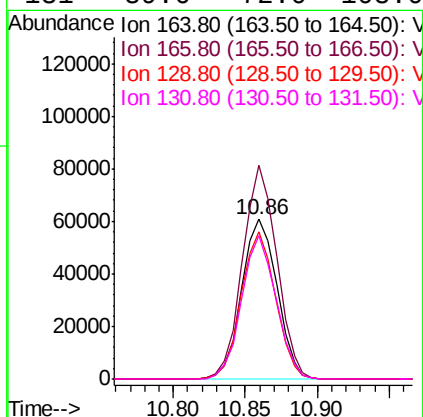
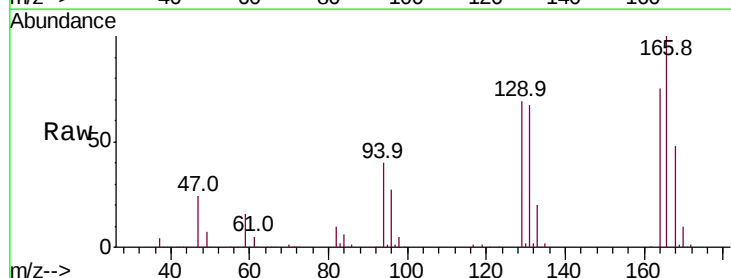
Instrument :
MSVOA_W
ClientSampleId :

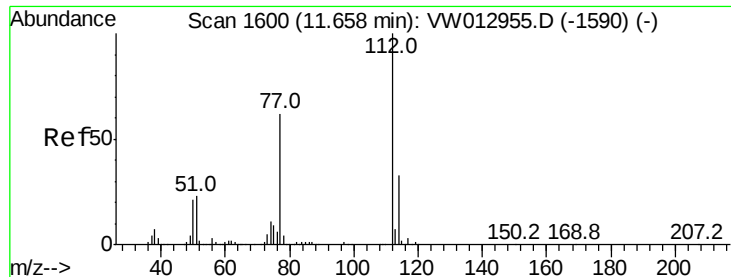
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.2	46.3	69.5
119	32.4	26.2	39.4



#64
Tetrachloroethene
Concen: 55.551 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.9	103.3	154.9
129	92.6	73.8	110.8
131	89.6	72.0	108.0

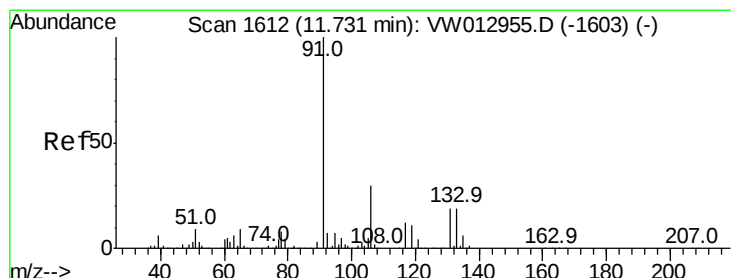
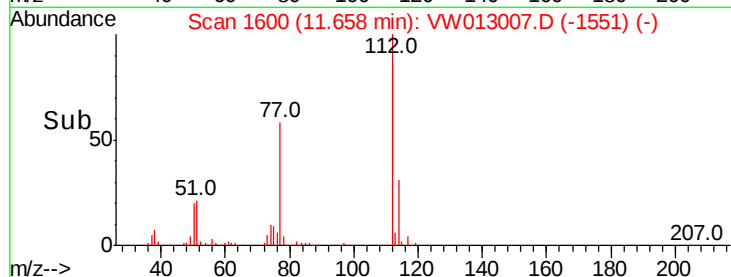
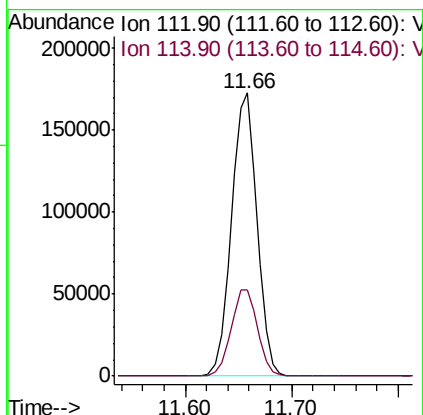
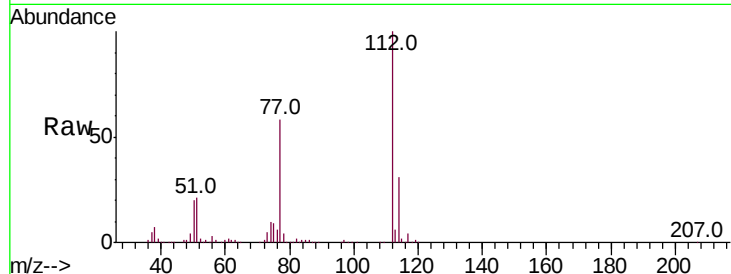




#65
Chlorobenzene
Concen: 51.987 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

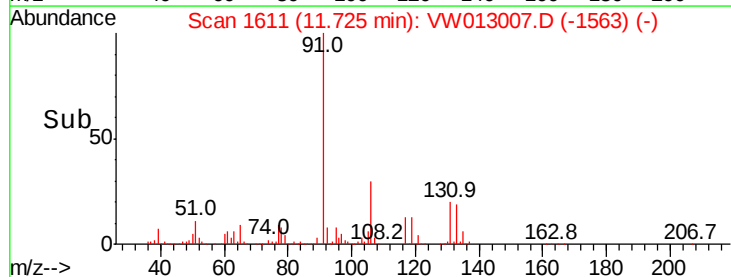
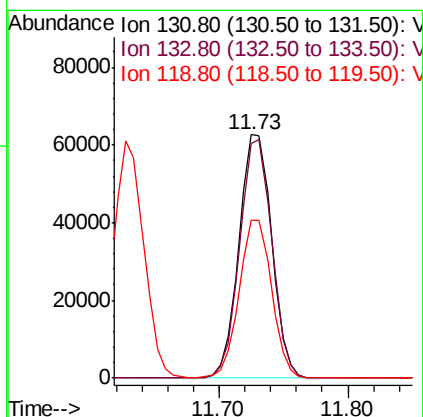
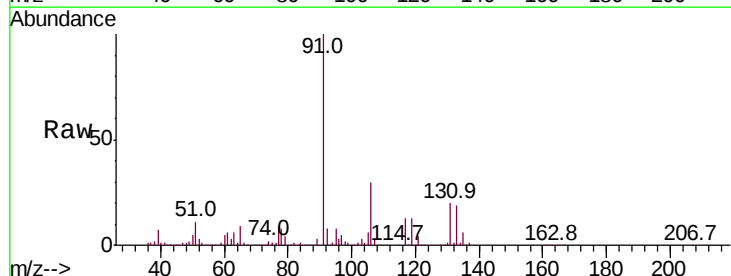
Instrument :
MSVOA_W
ClientSampleId :

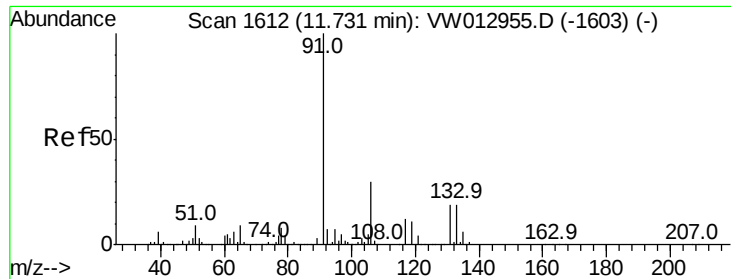
Tot Ion:112 Resp: 289772
Ion Ratio Lower Upper
112 100
114 30.6 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 51.510 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Tgt Ion:131 Resp: 110027
Ion Ratio Lower Upper
131 100
133 96.3 47.9 143.8
119 64.4 30.9 92.7

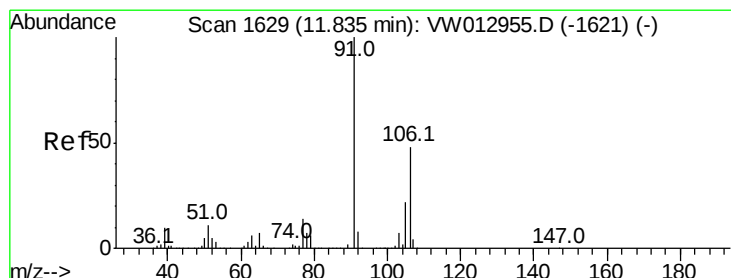
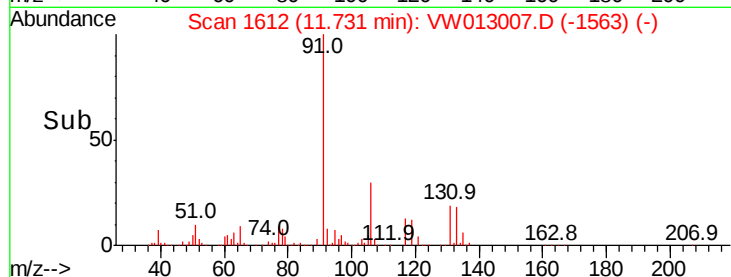
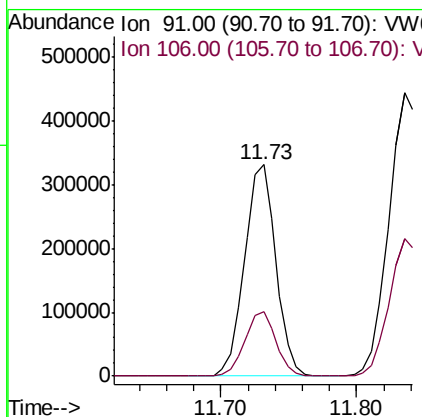
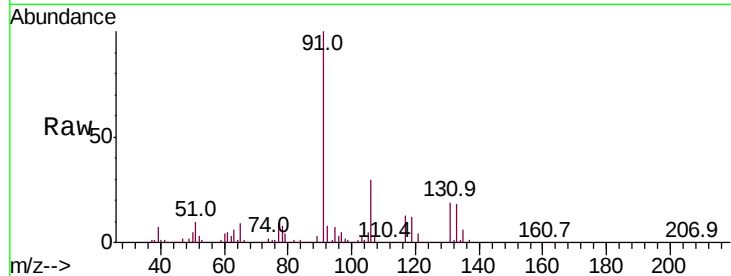




#67
Ethyl Benzene
Concen: 51.868 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

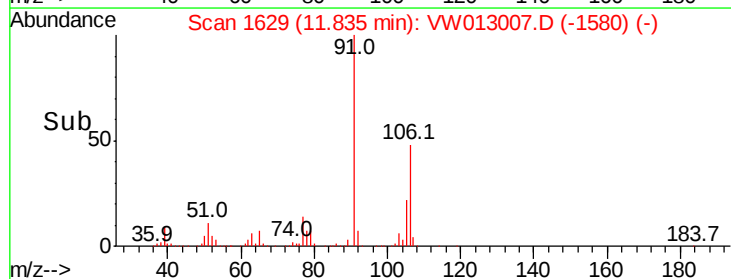
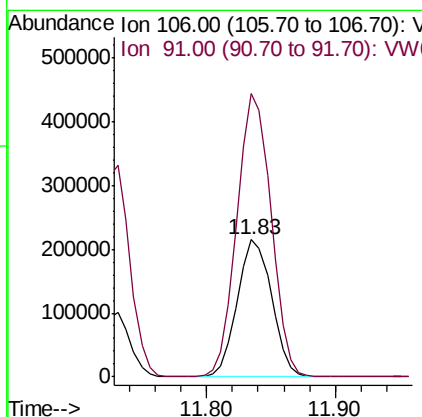
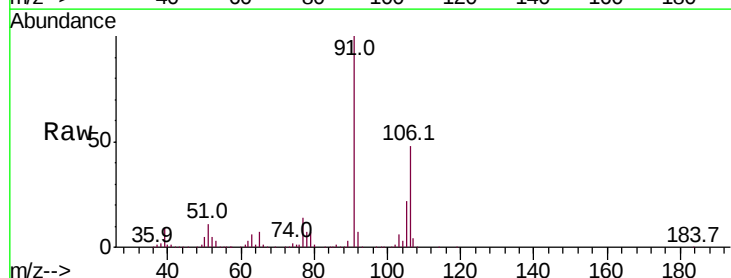
Instrument :
MSVOA_W
ClientSampleId :

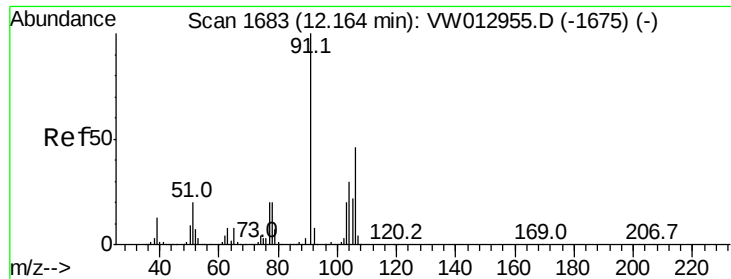
Tot Ion: 91 Resp: 533954
Ion Ratio Lower Upper
91 100
106 30.5 24.3 36.5



#68
m/p-Xylenes
Concen: 105.834 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Tgt Ion:106 Resp: 398007
Ion Ratio Lower Upper
106 100
91 205.2 165.8 248.8

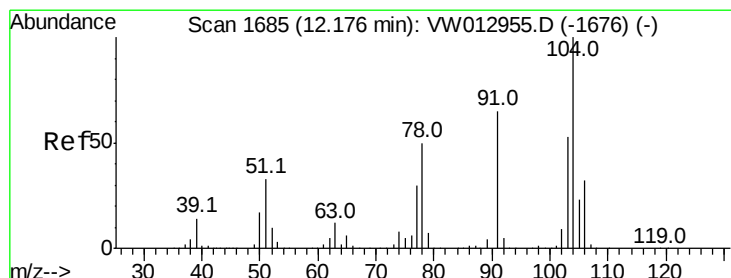
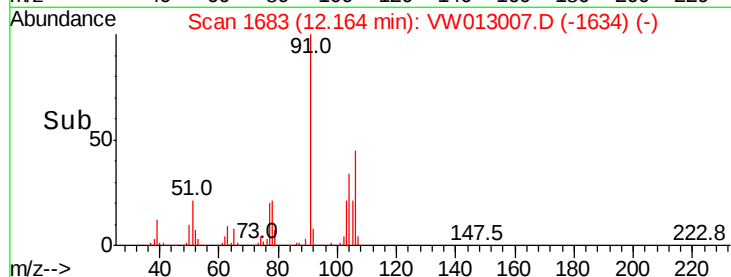
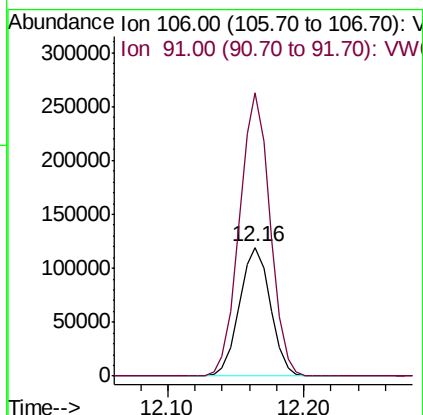
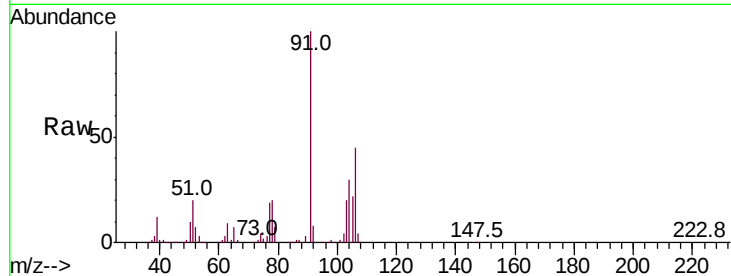




#69
o-Xylene
Concen: 53.649 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

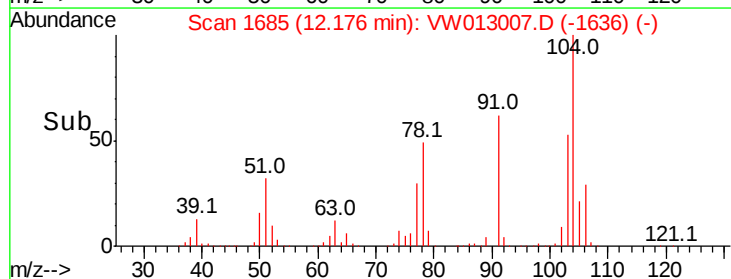
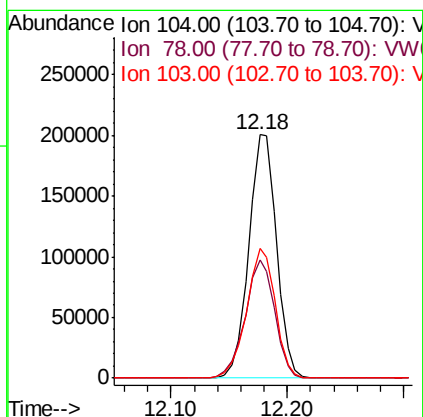
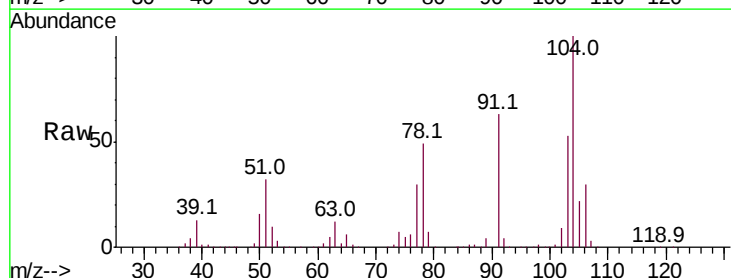
Instrument :
MSVOA_W
ClientSampled :

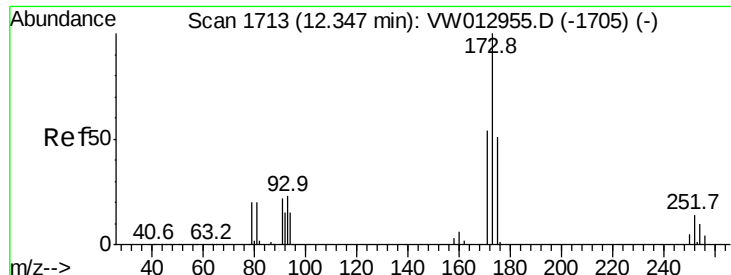
Tot Ion:106 Resp: 189152
Ion Ratio Lower Upper
106 100
91 217.8 109.7 329.0



#70
Styrene
Concen: 53.332 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Tgt Ion:104 Resp: 334491
Ion Ratio Lower Upper
104 100
78 51.5 42.1 63.1
103 55.1 44.2 66.4





#71

Bromoform

Concen: 57.637 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Instrument :

MSVOA_W

ClientSampled :

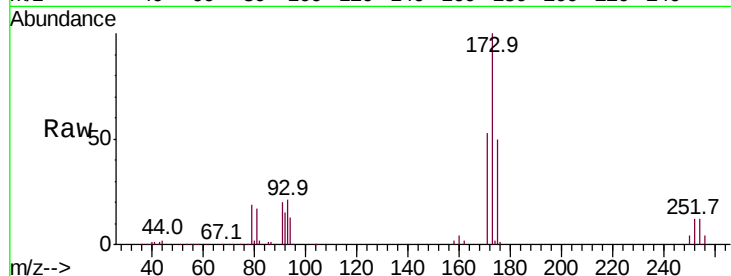
Tot Ion:173 Resp: 64668

Ion Ratio Lower Upper

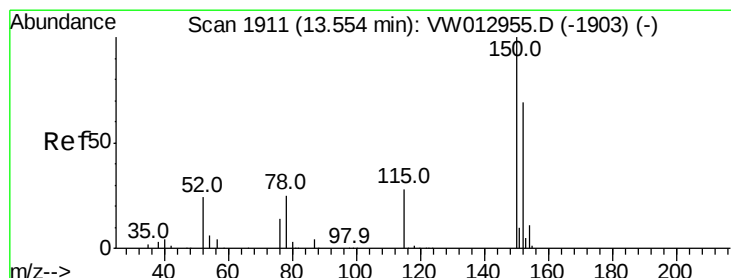
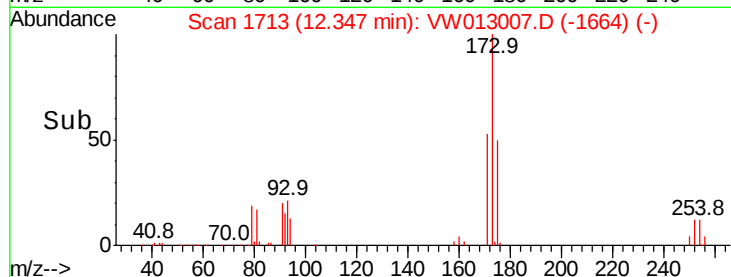
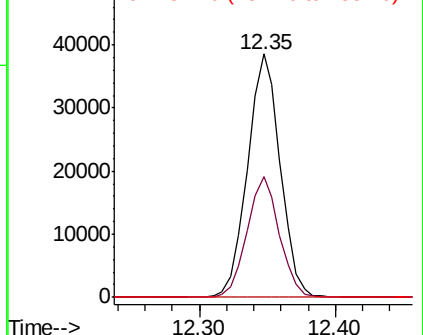
173 100

175 49.0 24.2 72.6

254 0.2 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

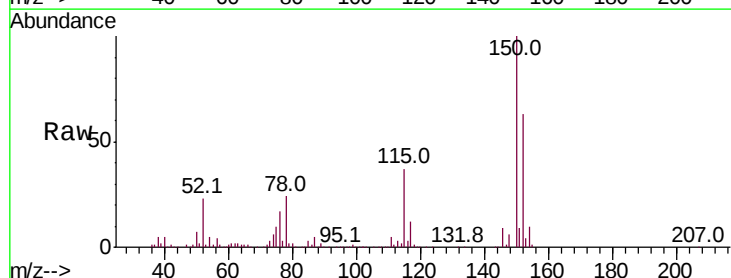
Tgt Ion:152 Resp: 160852

Ion Ratio Lower Upper

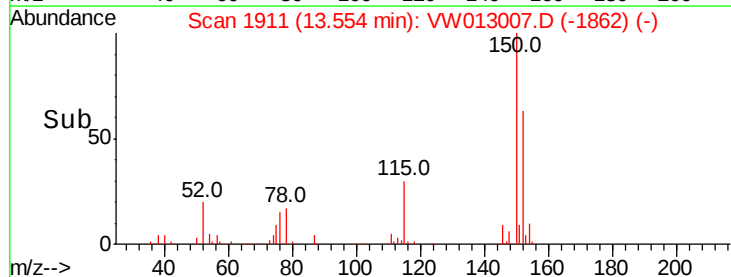
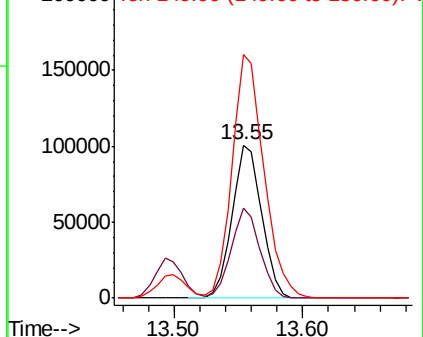
152 100

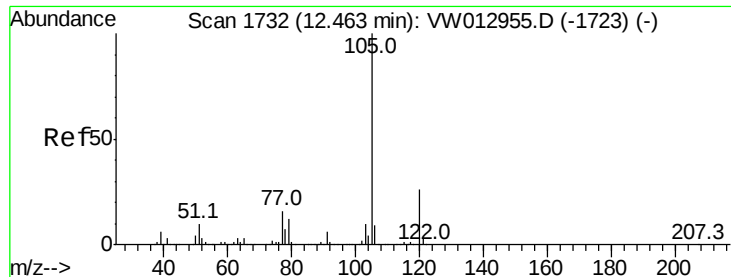
115 57.2 28.8 86.4

150 171.4 0.0 340.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

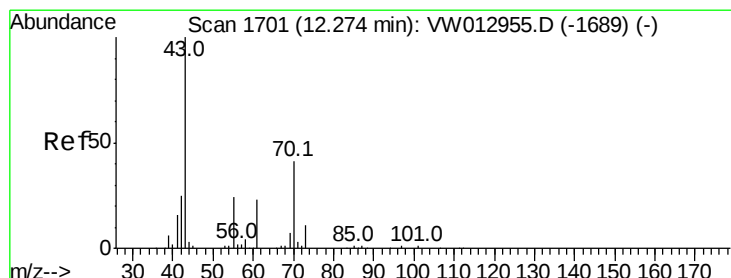
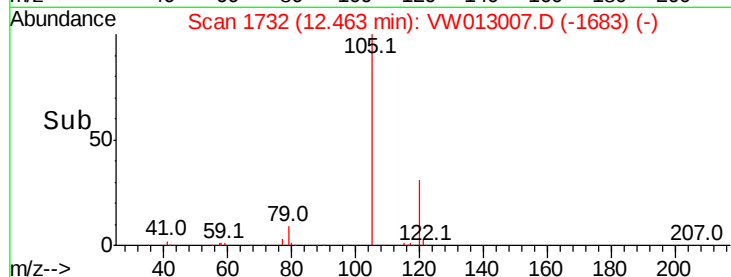
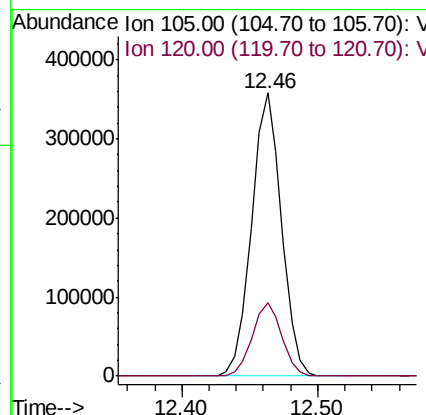
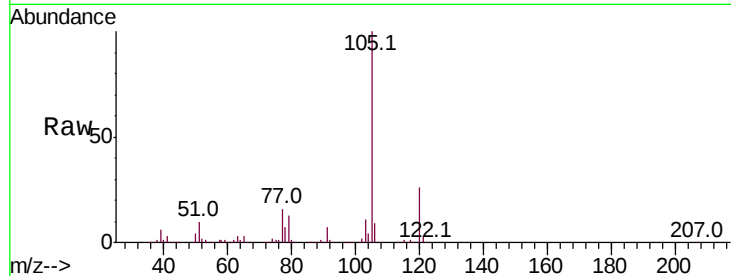




#73
Isopropylbenzene
Concen: 51.528 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

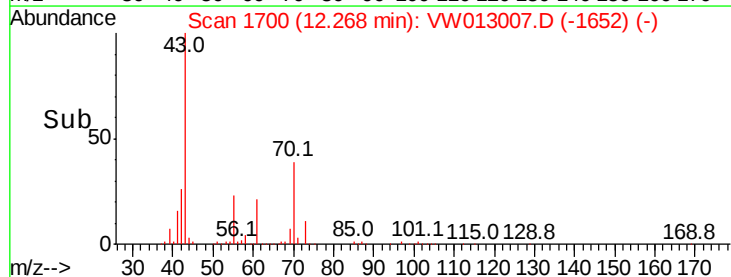
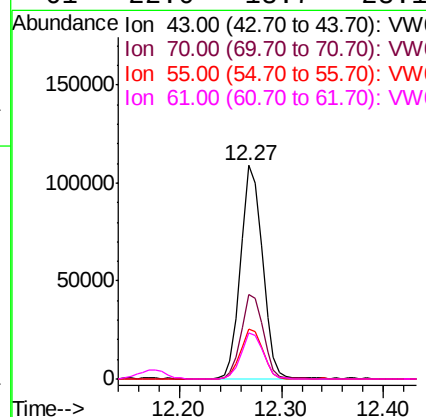
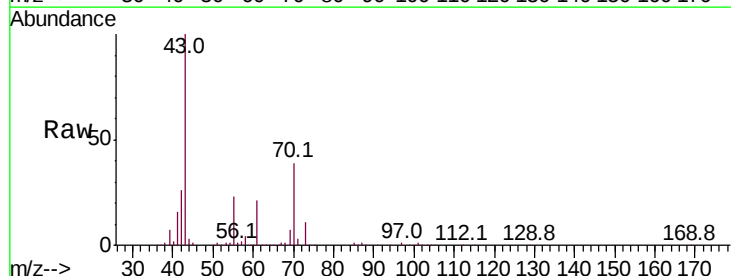
Instrument :
MSVOA_W
ClientSampleId :

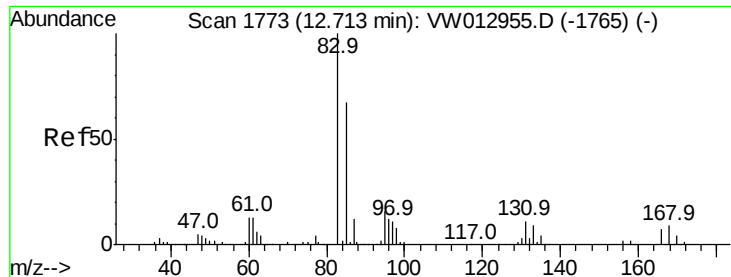
Tot Ion:105 Resp: 549375
Ion Ratio Lower Upper
105 100
120 25.9 13.0 39.0



#74
N-ethyl acetate
Concen: 58.913 ug/l
RT: 12.27 min Scan# 1700
Delta R.T. -0.01 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Tgt Ion: 43 Resp: 161577
Ion Ratio Lower Upper
43 100
70 39.9 31.7 47.5
55 23.8 19.4 29.2
61 22.0 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 58.542 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Instrument :

MSVOA_W

ClientSampleId :

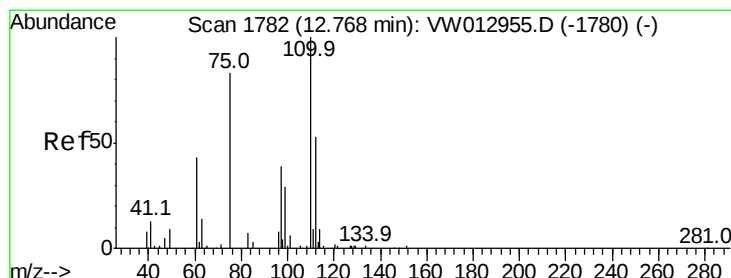
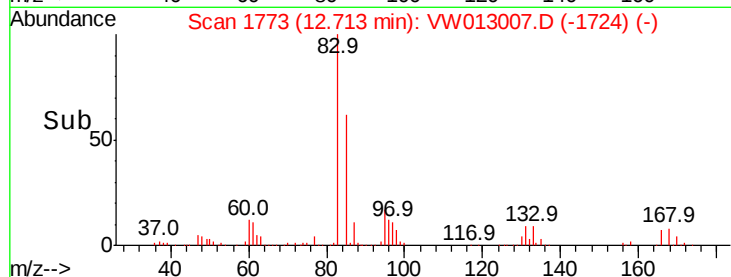
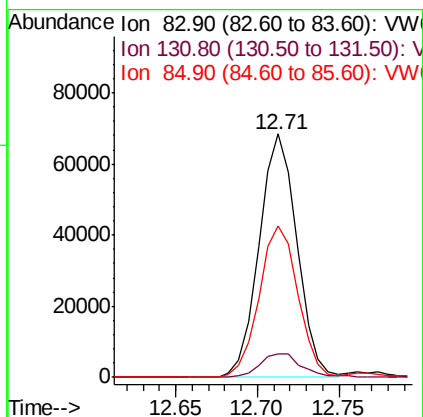
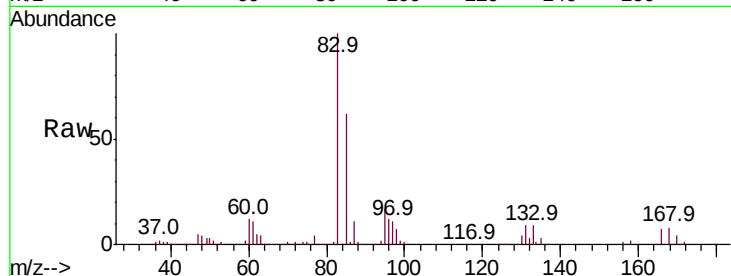
Tot Ion: 83 Resp: 109626

Ion Ratio Lower Upper

83 100

131 10.8 5.7 17.1

85 63.7 31.4 94.3



#76

1,2,3-Trichloropropane

Concen: 101.297 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013007.D

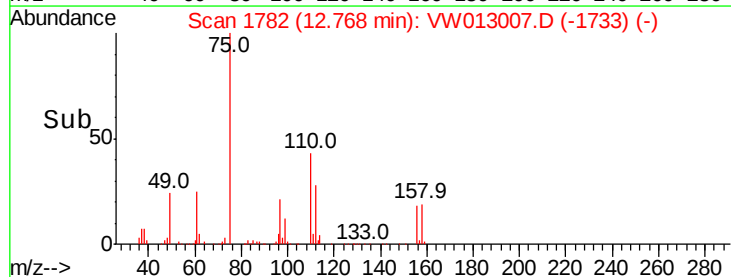
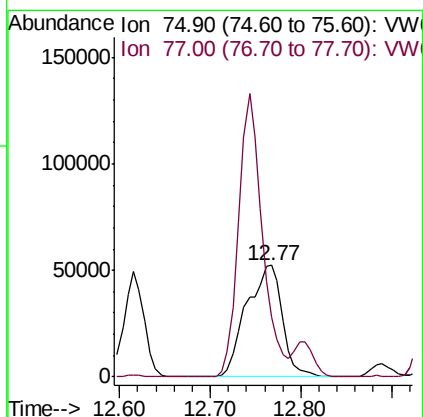
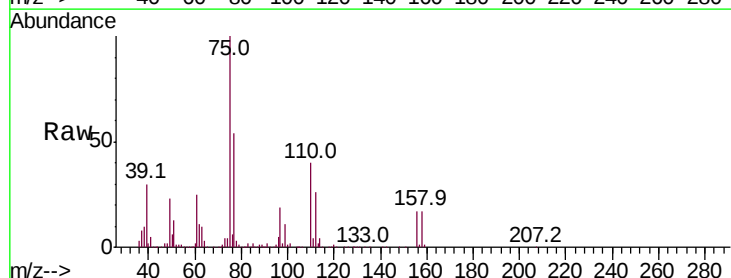
Acq: 14 Sep 2019 21:05

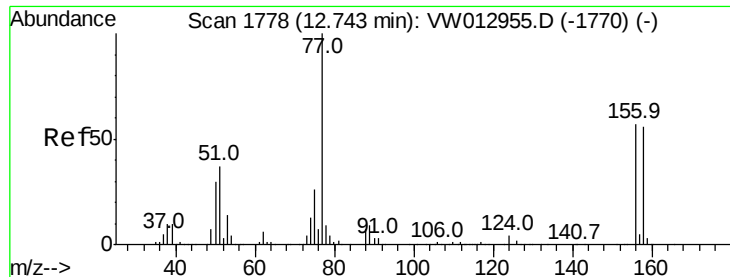
Tgt Ion: 75 Resp: 142721

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 51.722 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Instrument :

MSVOA_W

ClientSampleId :

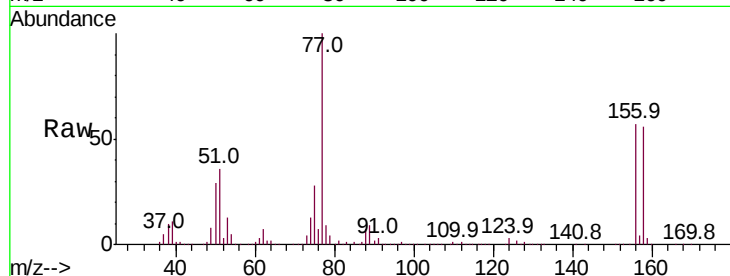
Tot Ion:156 Resp: 127038

Ion Ratio Lower Upper

156 100

77 192.0 95.2 285.6

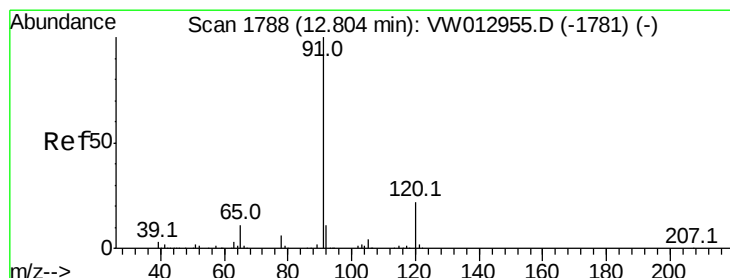
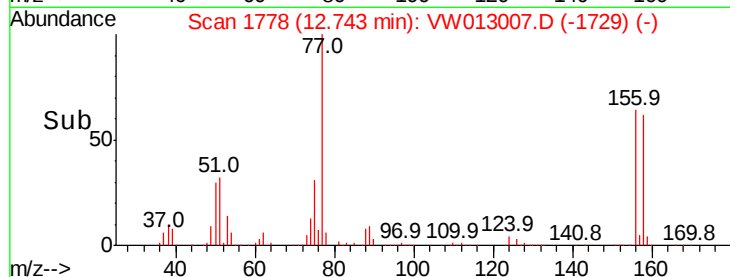
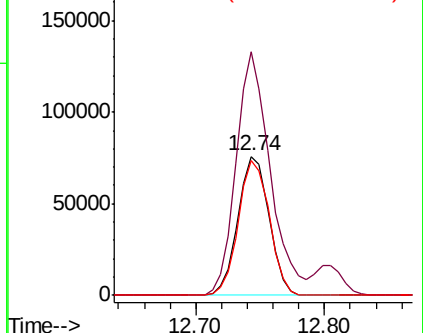
158 96.4 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.637 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013007.D

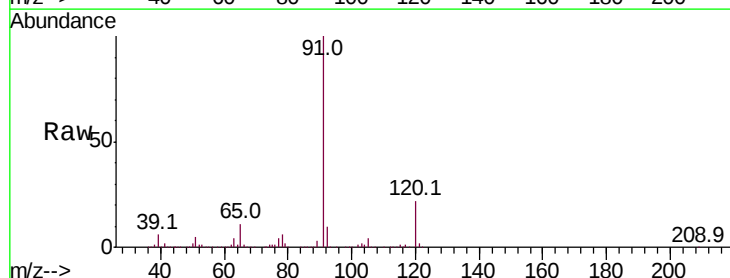
Acq: 14 Sep 2019 21:05

Tgt Ion: 91 Resp: 647596

Ion Ratio Lower Upper

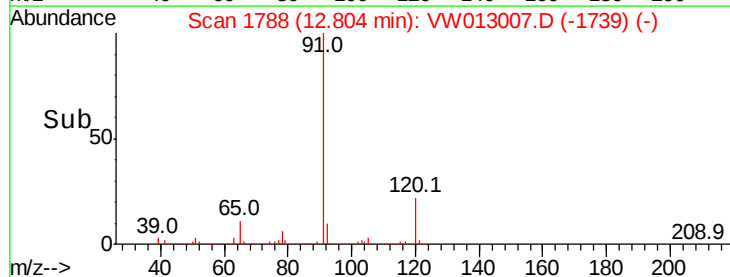
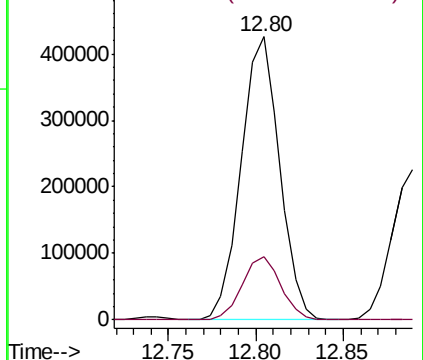
91 100

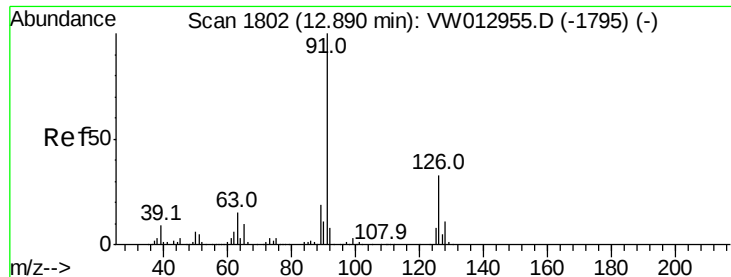
120 22.5 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.012 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Instrument :

MSVOA_W

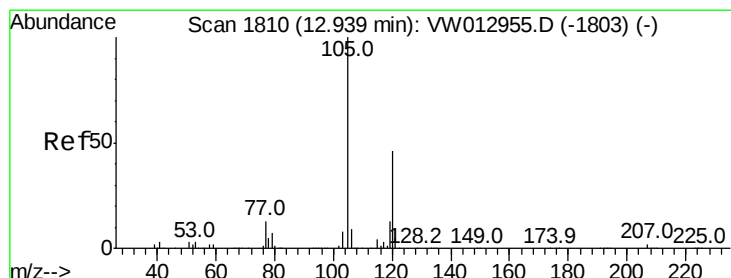
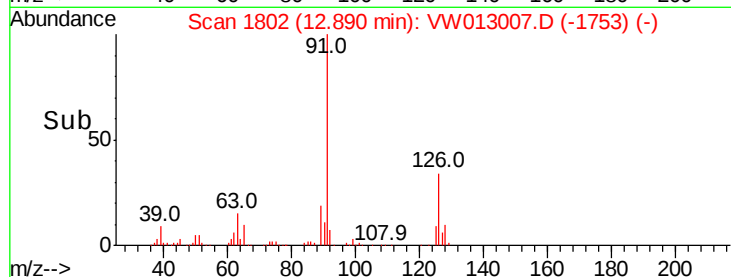
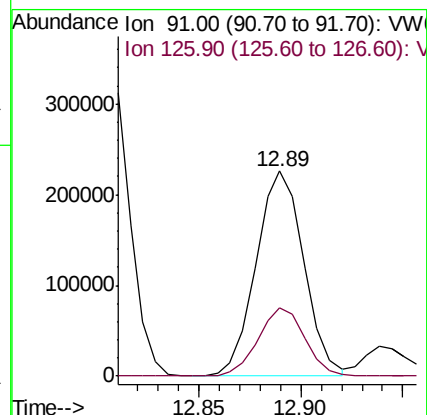
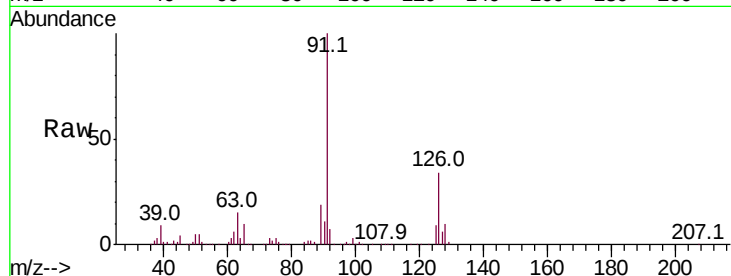
ClientSampleId :

Tot Ion: 91 Resp: 367768

Ion Ratio Lower Upper

91 100

126 33.1 16.5 49.5



#80

1,3,5-Trimethylbenzene

Concen: 51.339 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW013007.D

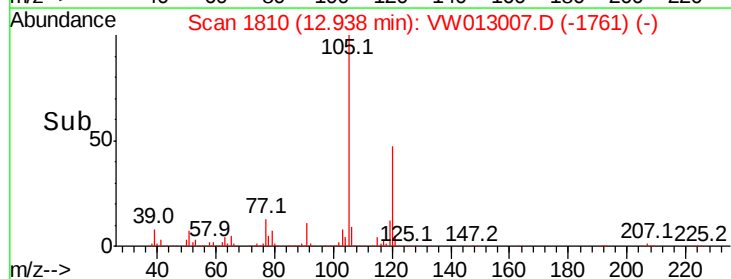
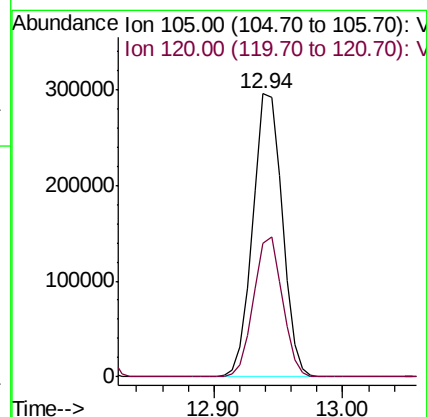
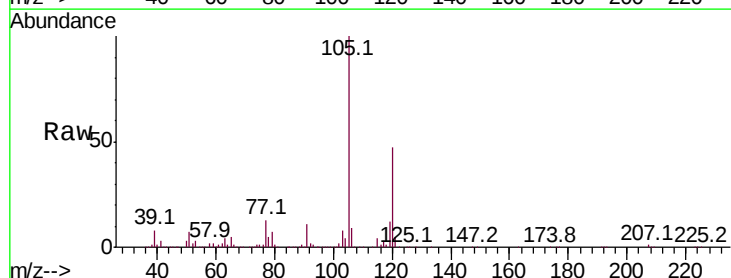
Acq: 14 Sep 2019 21:05

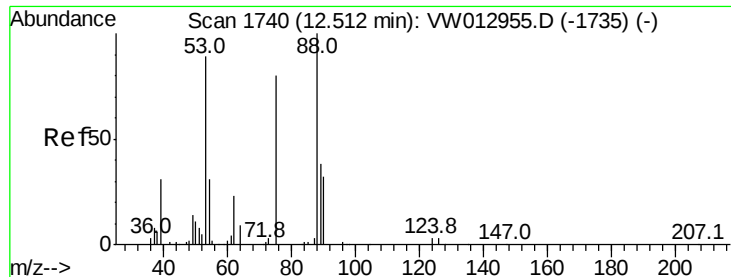
Tgt Ion:105 Resp: 463068

Ion Ratio Lower Upper

105 100

120 48.4 24.2 72.6

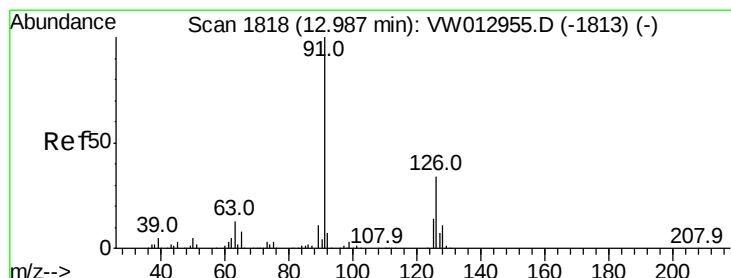
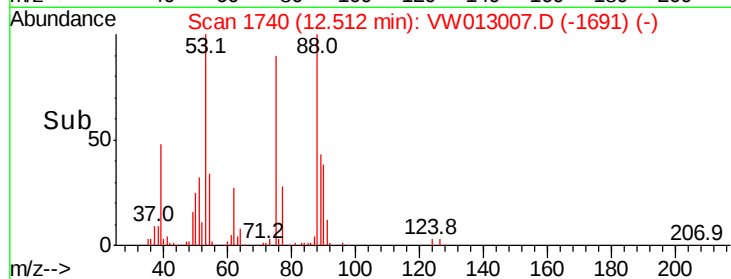
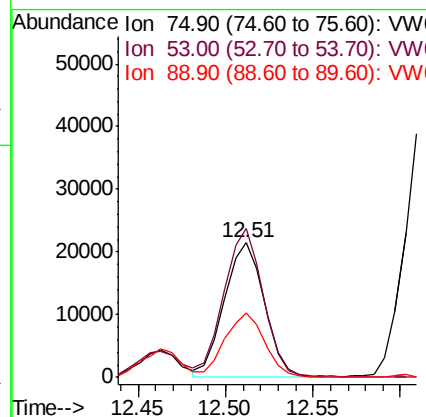
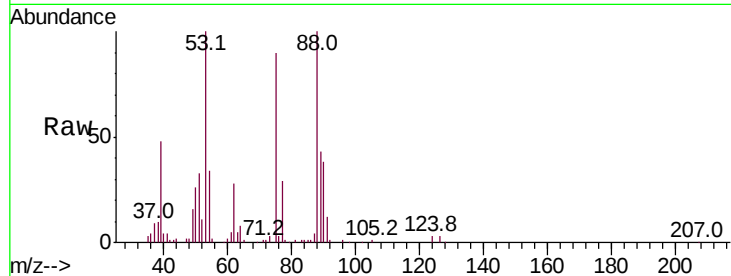




#81
trans-1,4-Dichloro-2-butene
Concen: 54.696 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

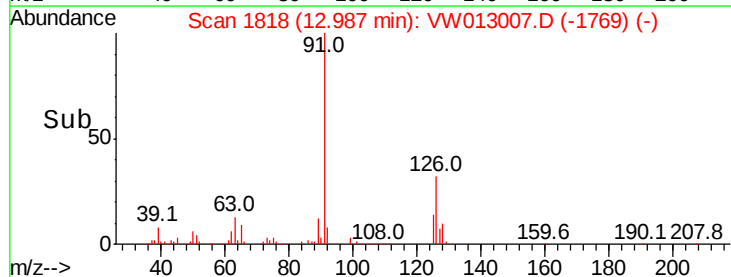
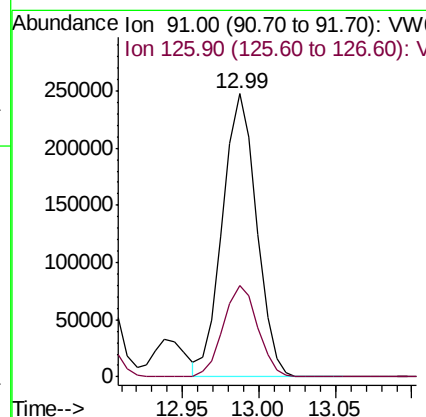
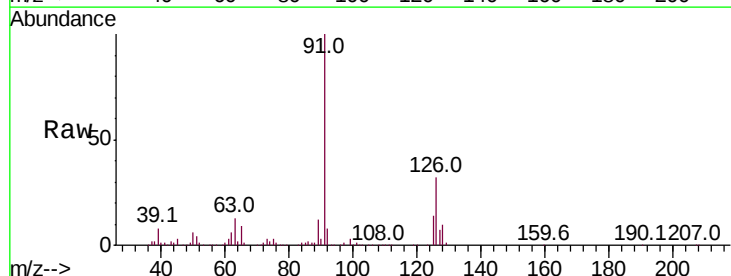
Instrument :
MSVOA_W
ClientSampled :

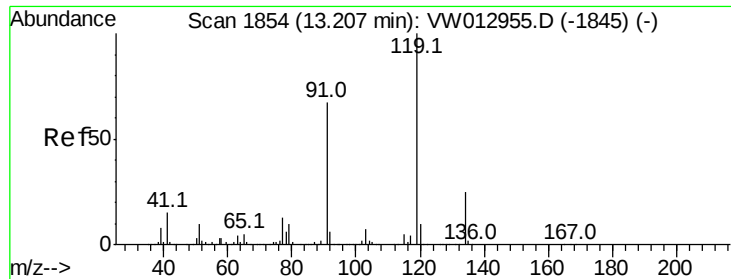
Tot Ion: 75 Resp: 33971
Ion Ratio Lower Upper
75 100
53 108.6 85.6 128.4
89 48.1 37.2 55.8



#82
4-Chlorotoluene
Concen: 50.366 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Tgt Ion: 91 Resp: 383125
Ion Ratio Lower Upper
91 100
126 32.8 16.1 48.3





#83

tert-Butylbenzene

Concen: 51.646 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Instrument :

MSVOA_W

ClientSampleId :

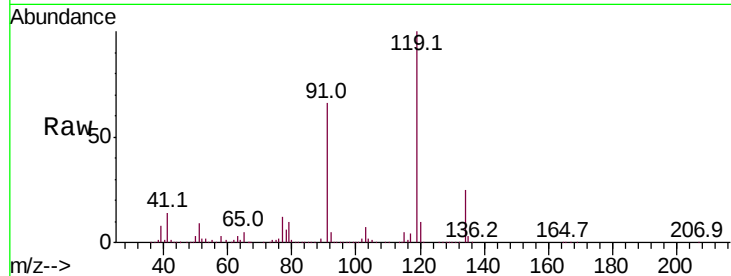
Tot Ion:119 Resp: 416673

Ion Ratio Lower Upper

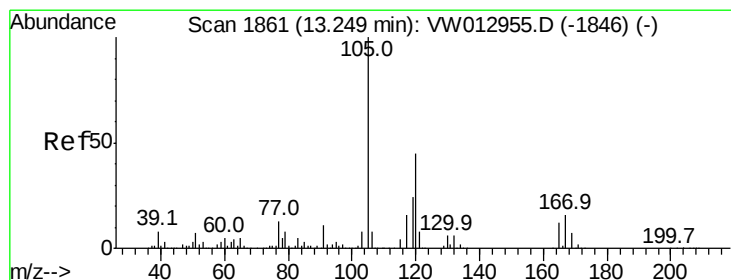
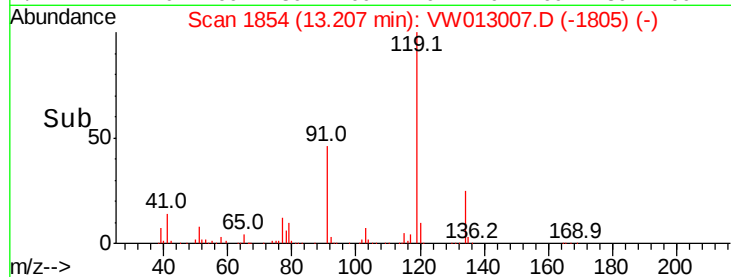
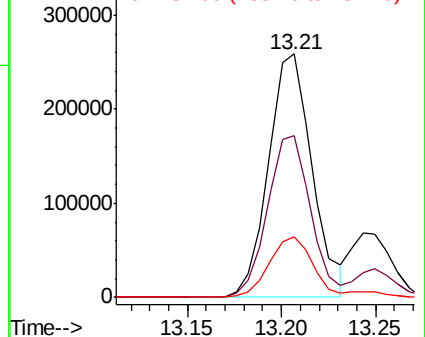
119 100

91 65.5 32.6 98.0

134 26.6 12.4 37.4



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.123 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VW013007.D

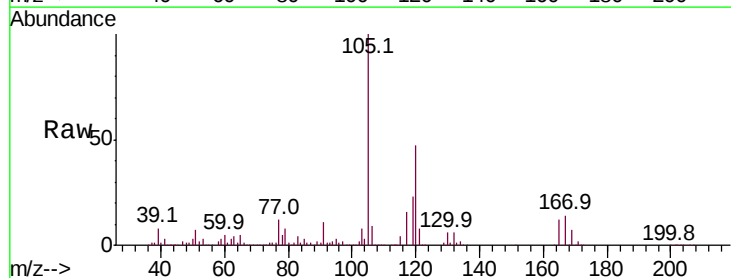
Acq: 14 Sep 2019 21:05

Tgt Ion:105 Resp: 455660

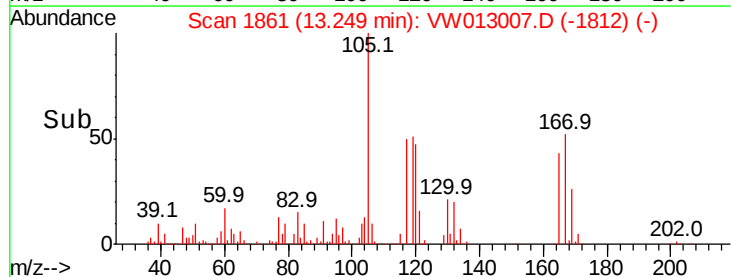
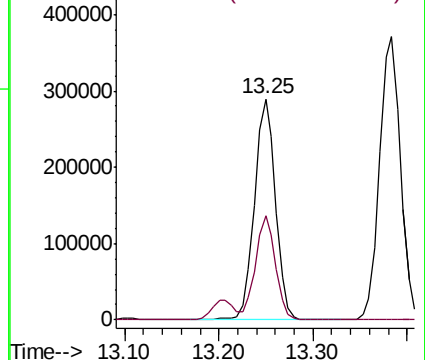
Ion Ratio Lower Upper

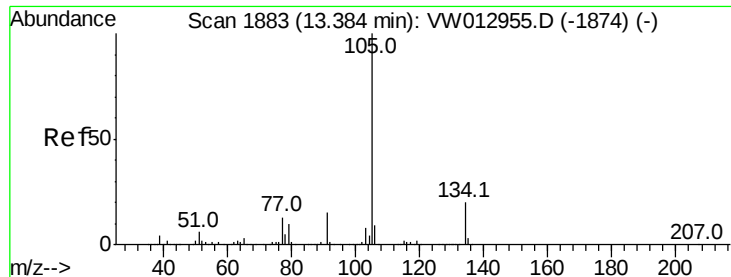
105 100

120 45.4 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 51.748 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Instrument :

MSVOA_W

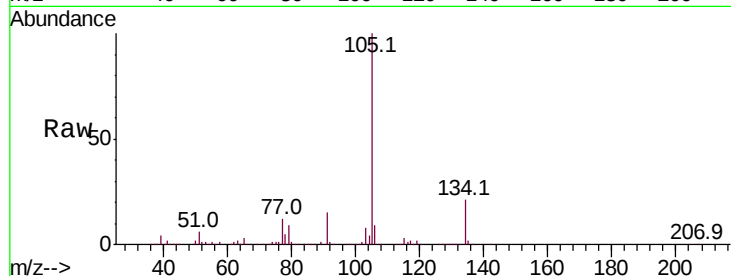
ClientSampleId :

Tot Ion:105 Resp: 568821

Ion Ratio Lower Upper

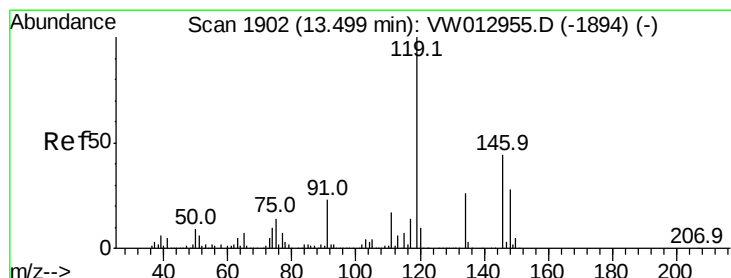
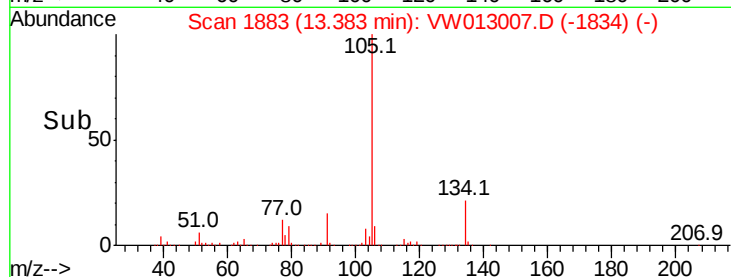
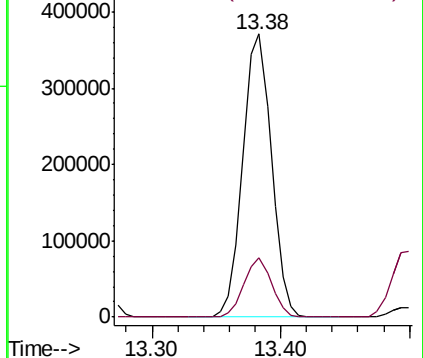
105 100

134 20.4 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.735 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

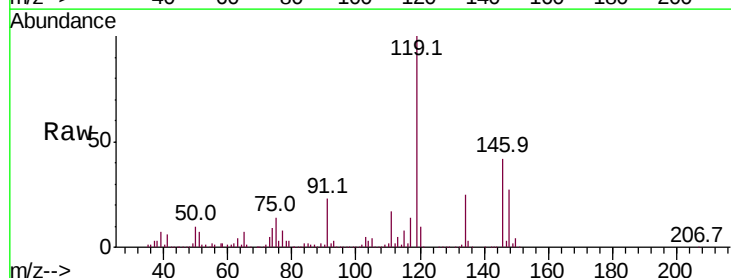
Tgt Ion:119 Resp: 522106

Ion Ratio Lower Upper

119 100

134 25.2 12.8 38.3

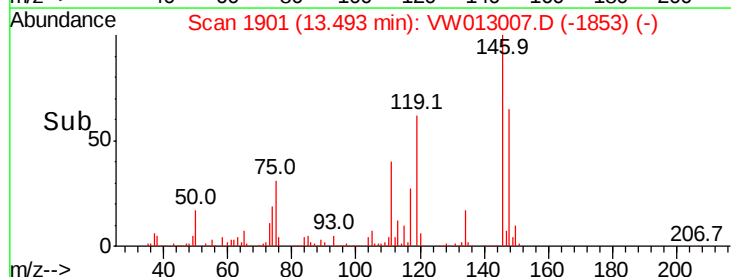
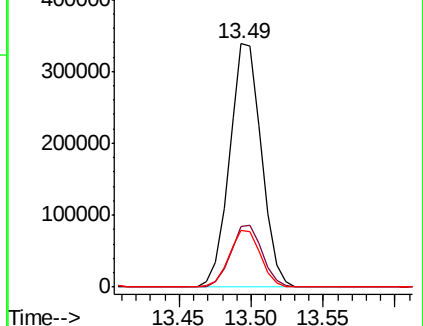
91 23.2 11.8 35.4

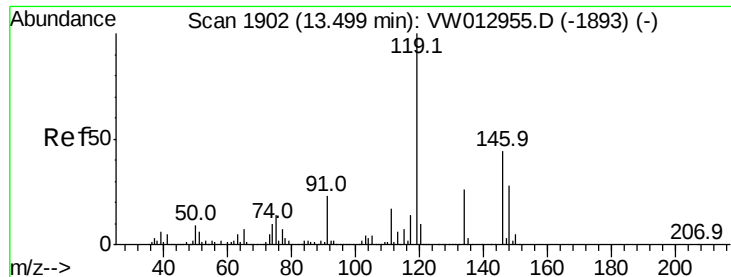


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

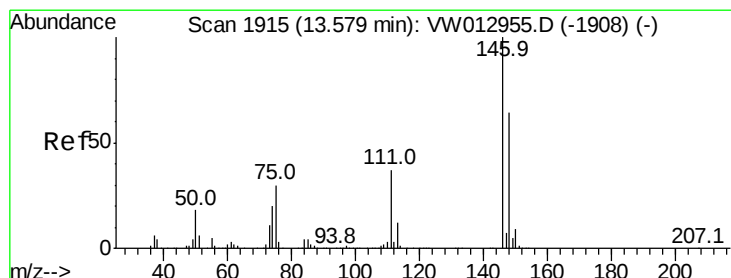
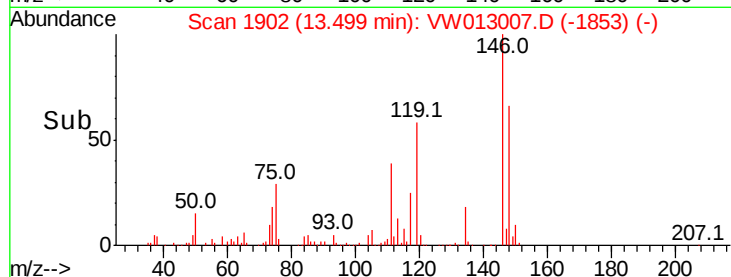
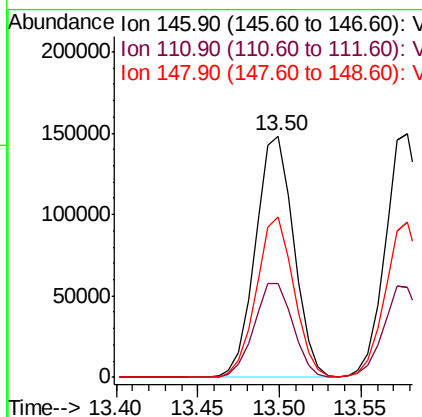
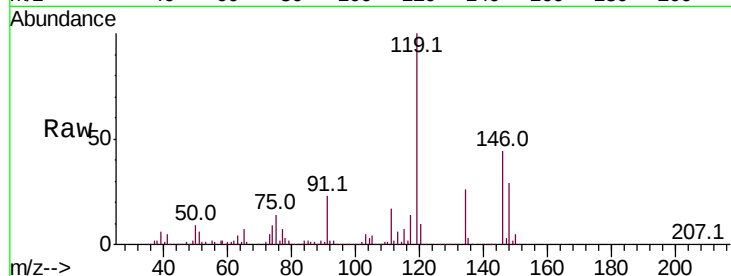




#87
 1,3-Dichlorobenzene
 Concen: 49.578 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013007.D
 Acq: 14 Sep 2019 21:05

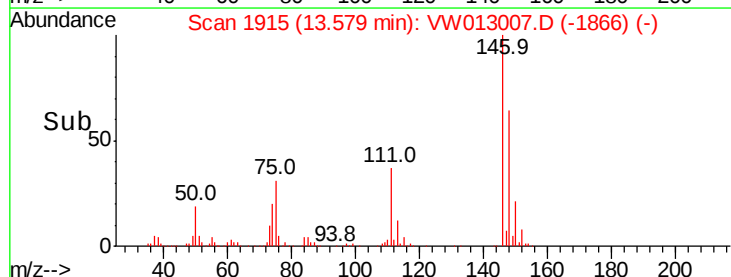
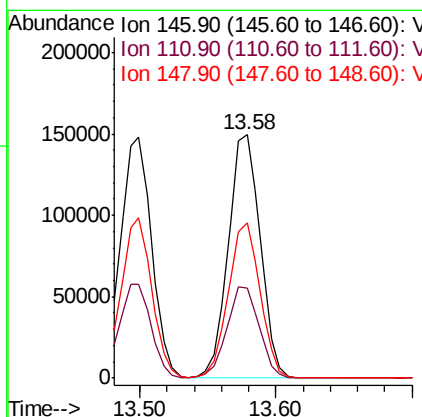
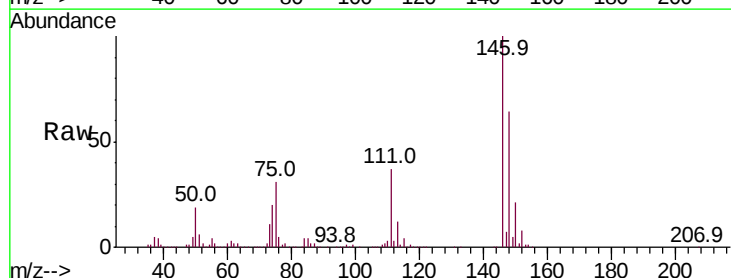
Instrument :
 MSVOA_W
 ClientSampleId :

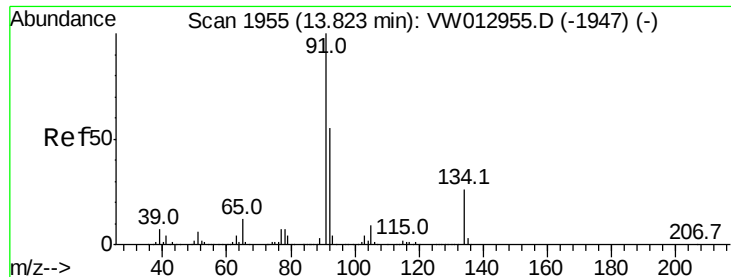
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.8	59.4
148	65.2	31.9	95.7



#88
 1,4-Dichlorobenzene
 Concen: 51.123 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013007.D
 Acq: 14 Sep 2019 21:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.4	58.2
148	63.7	31.9	95.5





#89

n-Butylbenzene

Concen: 51.205 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Instrument :

MSVOA_W

ClientSampleId :

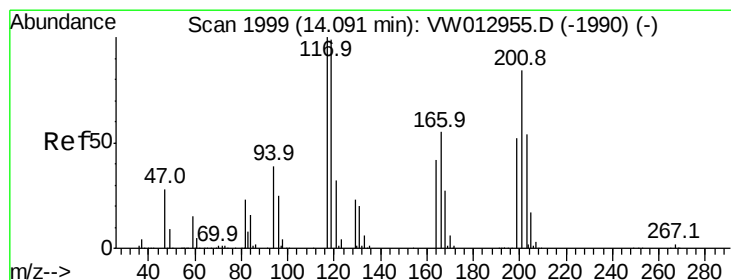
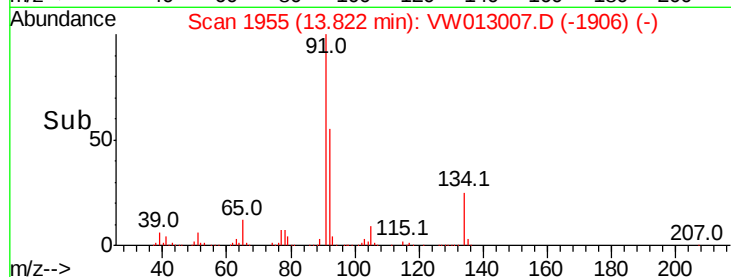
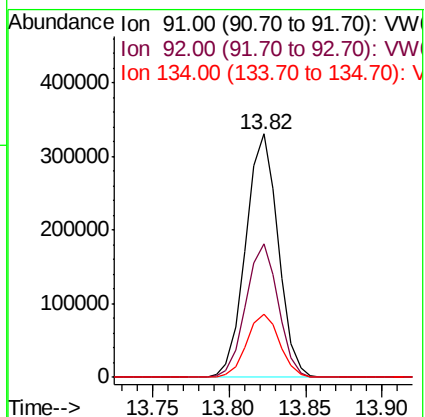
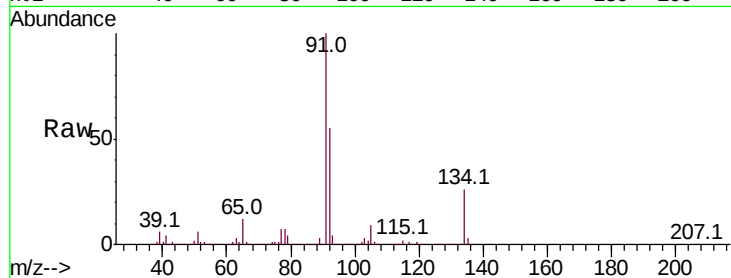
Tot Ion: 91 Resp: 487345

Ion Ratio Lower Upper

91 100

92 54.8 27.2 81.5

134 26.3 13.1 39.1



#90

Hexachloroethane

Concen: 50.043 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013007.D

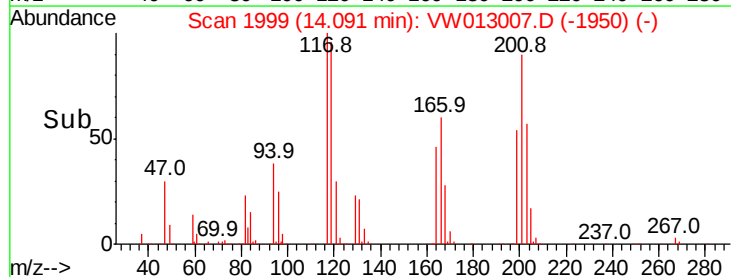
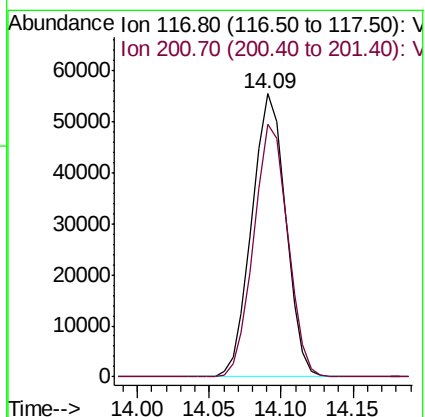
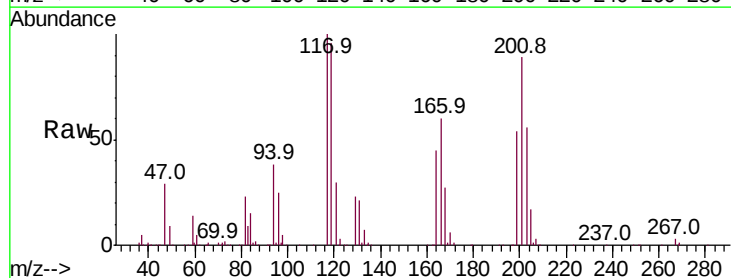
Acq: 14 Sep 2019 21:05

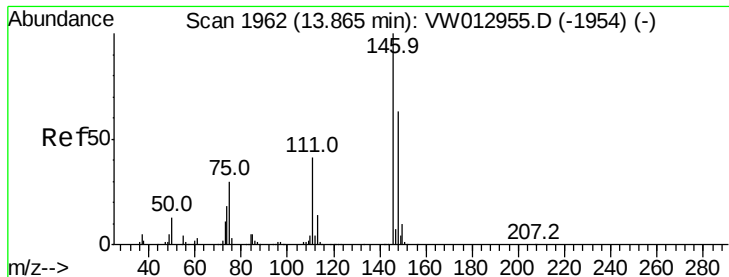
Tgt Ion: 117 Resp: 90503

Ion Ratio Lower Upper

117 100

201 89.5 45.3 135.9





#91

1,2-Dichlorobenzene

Concen: 51.504 ug/l

RT: 13.87 min Scan# 1962

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Instrument :

MSVOA_W

ClientSampleId :

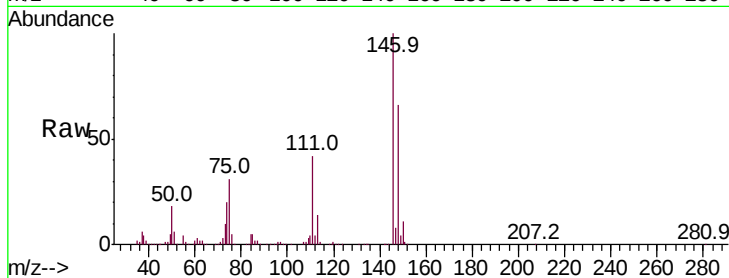
Tot Ion:146 Resp: 220223

Ion Ratio Lower Upper

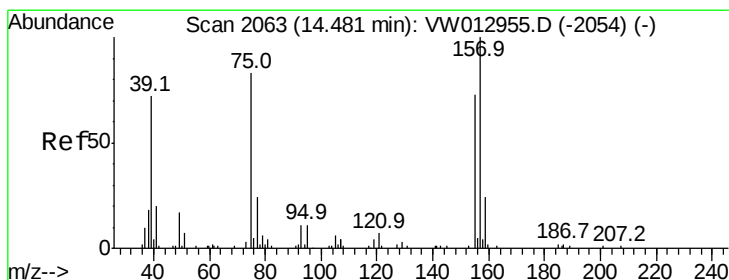
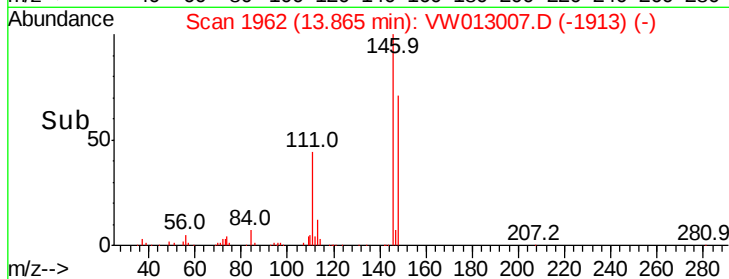
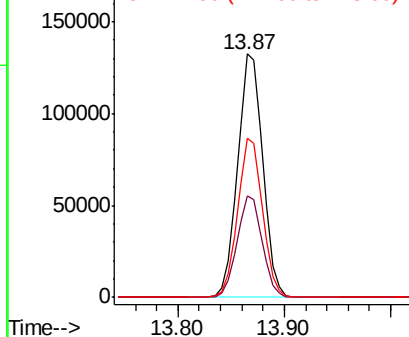
146 100

111 41.4 20.8 62.5

148 64.5 32.7 98.1



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 57.395 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

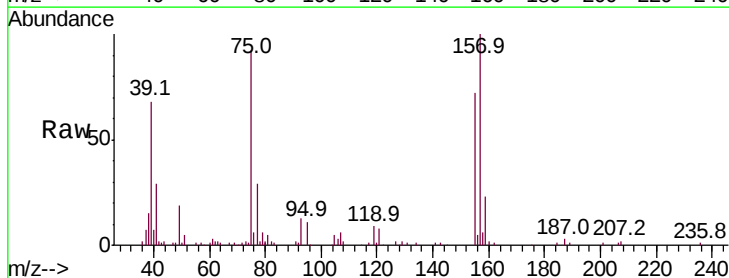
Tgt Ion: 75 Resp: 19673

Ion Ratio Lower Upper

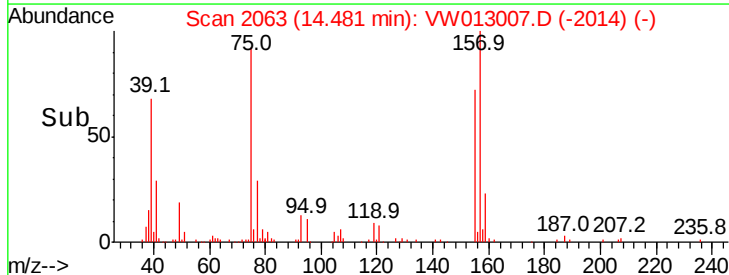
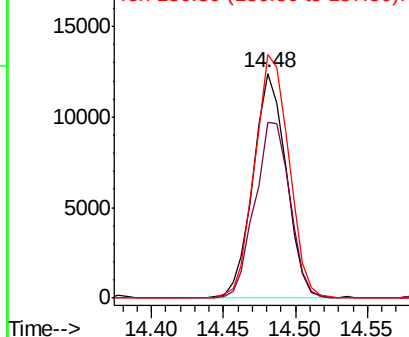
75 100

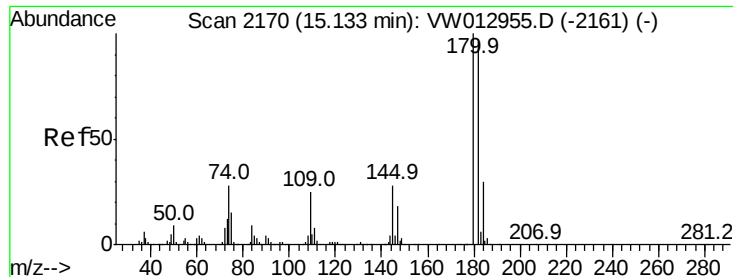
155 82.6 43.3 129.9

157 112.3 54.7 164.1



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

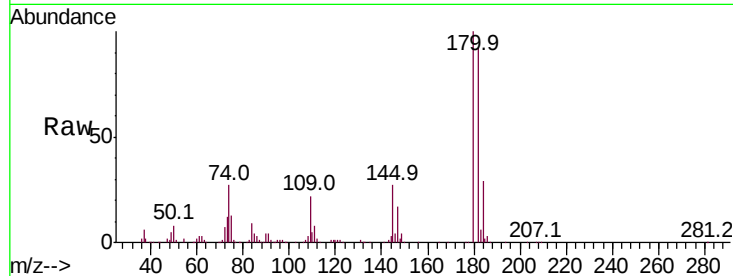




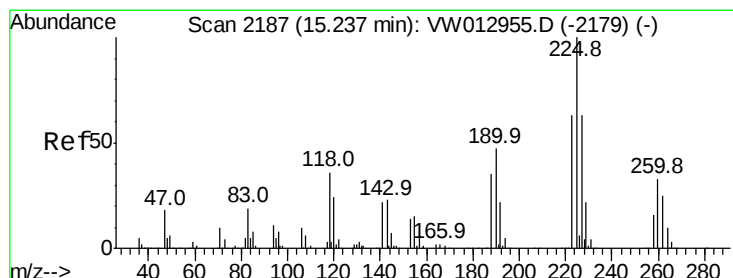
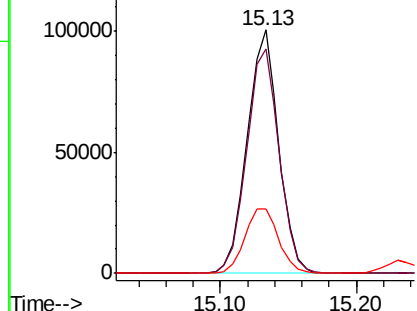
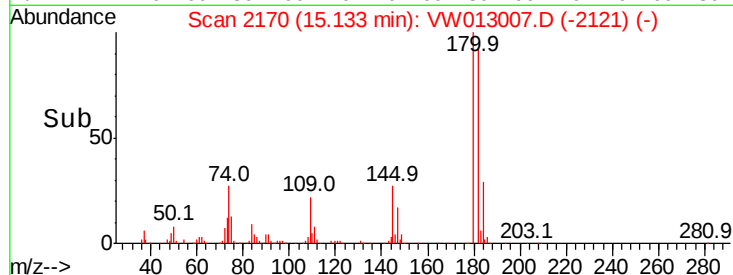
#93
 1,2,4-Trichlorobenzene
 Concen: 53.156 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013007.D
 Acq: 14 Sep 2019 21:05

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.4	142.2
145	28.7	14.9	44.7

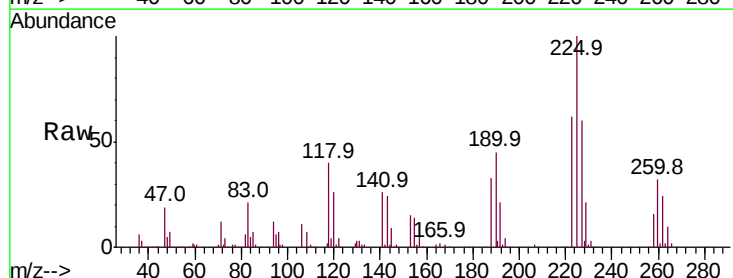


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

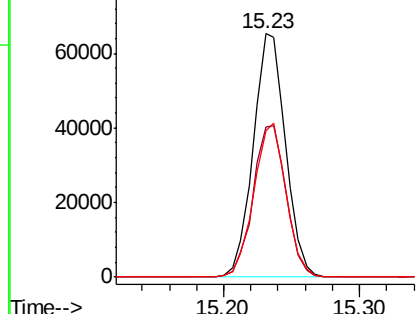
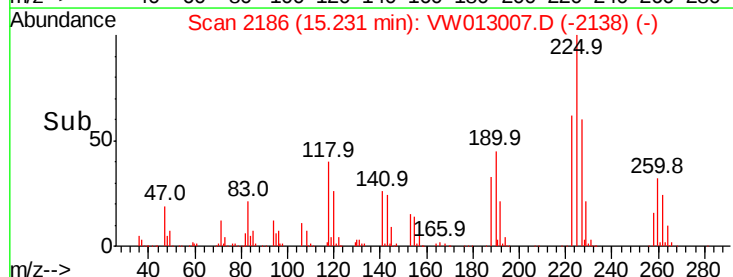


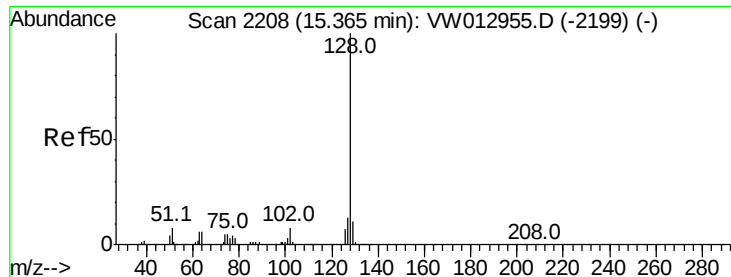
#94
 Hexachlorobutadiene
 Concen: 50.355 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW013007.D
 Acq: 14 Sep 2019 21:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.8	95.3
227	62.9	31.3	93.8



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

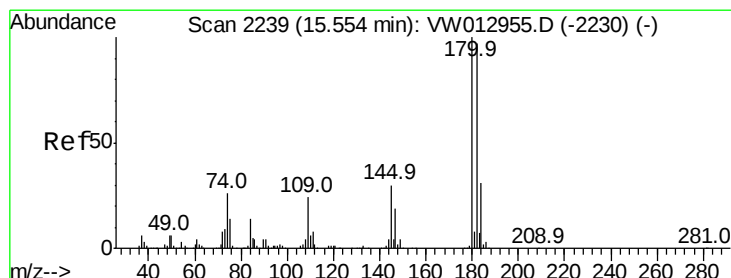
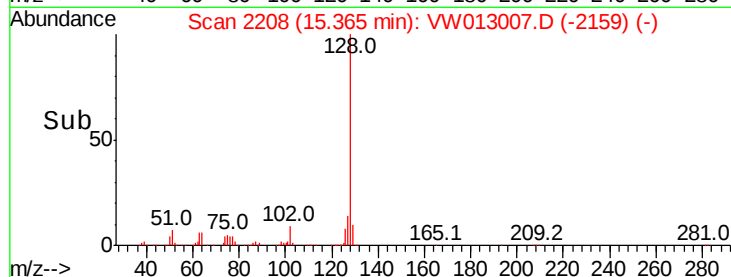
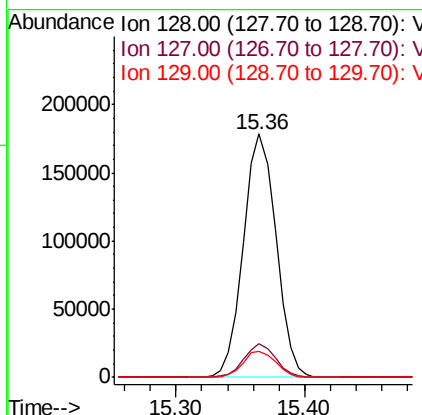
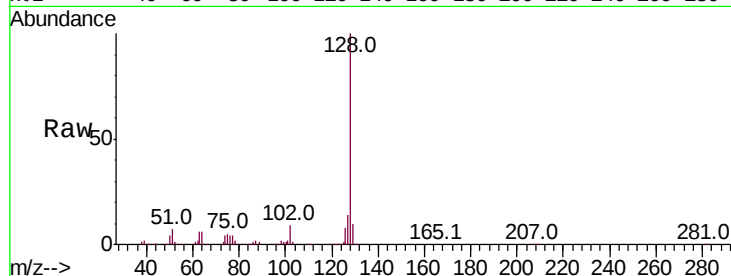




#95
Naphthalene
Concen: 61.695 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 314346
Ion Ratio Lower Upper
128 100
127 13.3 11.0 16.6
129 10.6 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 54.552 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Tgt Ion:180 Resp: 147052
Ion Ratio Lower Upper
180 100
182 94.2 47.6 142.8
145 30.5 15.4 46.2

