

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091419\
 Data File : VW012957.D
 Acq On : 13 Sep 2019 16:16
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 13 17:04:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 16:59:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	286761	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	417504	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	362605	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	174357	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	374235	141.30	ug/l	0.00
Spiked Amount			Recovery	=	282.60%	
35) Dibromofluoromethane	7.88	113	314066	138.63	ug/l	0.00
Spiked Amount			Recovery	=	277.26%	
50) Toluene-d8	10.32	98	1273803	143.69	ug/l	0.00
Spiked Amount			Recovery	=	287.38%	
62) 4-Bromofluorobenzene	12.62	95	439519	137.88	ug/l	0.00
Spiked Amount			Recovery	=	275.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	154811	126.275	ug/l	98
3) Chloromethane	2.21	50	191964	122.437	ug/l	99
4) Vinyl Chloride	2.36	62	263555	128.404	ug/l	98
5) Bromomethane	2.76	94	156708	125.021	ug/l	97
6) Chloroethane	2.91	64	171116	135.929	ug/l	97
7) Trichlorofluoromethane	3.25	101	209320	145.835	ug/l	98
8) Diethyl Ether	3.68	74	153438	136.906	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	287337	131.990	ug/l	100
10) Methyl Iodide	4.26	142	374374	137.414	ug/l	100
11) Tert butyl alcohol	5.18	59	125209	603.188	ug/l	100
12) 1,1-Dichloroethene	4.04	96	269619	136.213	ug/l	98
13) Acrolein	3.89	56	141835	730.088	ug/l	99
14) Allyl chloride	4.66	41	527922	140.489	ug/l	99
15) Acrylonitrile	5.36	53	407820	712.449	ug/l	99
16) Acetone	4.12	43	393209	624.990	ug/l	98
17) Carbon Disulfide	4.38	76	526535	133.483	ug/l	100
18) Methyl Acetate	4.67	43	209526	138.862	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	530723	135.831	ug/l	98
20) Methylene Chloride	4.91	84	293686	117.975	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	282716	133.357	ug/l	95
22) Diisopropyl ether	6.31	45	1081979	138.601	ug/l	97
23) Vinyl Acetate	6.25	43	3406849	728.646	ug/l	98
24) 1,1-Dichloroethane	6.21	63	615951	136.849	ug/l	99
25) 2-Butanone	7.17	43	572975	680.378	ug/l	100
26) 2,2-Dichloropropane	7.16	77	394483	123.602	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	351273	138.400	ug/l	97
28) Bromochloromethane	7.51	49	277945	146.716	ug/l #	100
29) Tetrahydrofuran	7.52	42	347410	724.016	ug/l	99
30) Chloroform	7.67	83	611456	133.701	ug/l	98
31) Cyclohexane	7.95	56	472389	123.183	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	510790	135.624	ug/l	98
36) 1,1-Dichloropropene	8.08	75	447150	134.029	ug/l	99
37) Ethyl Acetate	7.24	43	244543	138.096	ug/l	99
38) Carbon Tetrachloride	8.07	117	469505	137.327	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091419\
 Data File : VW012957.D
 Acq On : 13 Sep 2019 16:16
 Operator : SY/VA
 Sample : VSTDICC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 13 17:04:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 16:59:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	495392	135.509	ug/l	98
40) Benzene	8.32	78	1246421	133.828	ug/l	100
41) Methacrylonitrile	7.48	41	161686	138.649	ug/l	97
42) 1,2-Dichloroethane	8.40	62	421570	135.027	ug/l	99
43) Isopropyl Acetate	8.42	43	493555	145.161	ug/l	99
44) Trichloroethene	9.09	130	342117	134.107	ug/l	95
45) 1,2-Dichloropropane	9.37	63	336212	135.872	ug/l	99
46) Dibromomethane	9.46	93	164160	138.471	ug/l	98
47) Bromodichloromethane	9.64	83	471152	141.683	ug/l	98
48) Methyl methacrylate	9.43	41	240356	150.627	ug/l	96
49) 1,4-Dioxane	9.46	88	55216	2779.574	ug/l #	77
51) 4-Methyl-2-Pentanone	10.21	43	1257275	716.247	ug/l	100
52) Toluene	10.38	92	809874	136.844	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	493369	147.521	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	555430	145.148	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	251894	139.475	ug/l	98
56) Ethyl methacrylate	10.65	69	364896	150.105	ug/l	99
57) 1,3-Dichloropropane	10.93	76	443663	138.484	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	997564	764.984	ug/l	100
59) 2-Hexanone	10.97	43	871184	712.754	ug/l	100
60) Dibromochloromethane	11.13	129	313323	143.499	ug/l	97
61) 1,2-Dibromoethane	11.23	107	231304	140.396	ug/l	100
64) Tetrachloroethene	10.86	164	284217	131.756	ug/l	98
65) Chlorobenzene	11.66	112	876458	135.699	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	341145	137.829	ug/l	100
67) Ethyl Benzene	11.73	91	1639723	137.461	ug/l	100
68) m/p-Xylenes	11.84	106	1200179	275.415	ug/l	99
69) o-Xylene	12.16	106	567261	138.850	ug/l	100
70) Styrene	12.18	104	1015230	139.693	ug/l	100
71) Bromoform	12.35	173	188907	145.301	ug/l #	99
73) Isopropylbenzene	12.46	105	1640996	141.994	ug/l	100
74) N-amyl acetate	12.27	43	451490	151.869	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	288634	142.197	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	393237	267.300	ug/l #	100
77) Bromobenzene	12.74	156	374074	140.502	ug/l	100
78) n-propylbenzene	12.80	91	1920645	141.283	ug/l	99
79) 2-Chlorotoluene	12.89	91	1105039	141.403	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1353787	138.465	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	104584	155.345	ug/l	99
82) 4-Chlorotoluene	12.99	91	1145322	138.903	ug/l	99
83) tert-Butylbenzene	13.21	119	1223075	139.855	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	1344040	139.115	ug/l	99
85) sec-Butylbenzene	13.38	105	1657350	139.099	ug/l	100
86) p-Isopropyltoluene	13.50	119	1533678	140.199	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	721945	136.979	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	710858	137.250	ug/l	99
89) n-Butylbenzene	13.82	91	1462108	141.723	ug/l	100
90) Hexachloroethane	14.09	117	282164	143.934	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	639338	137.941	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	53907	145.089	ug/l	99

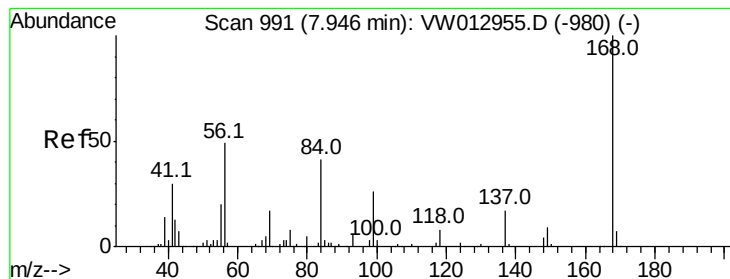
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091419\
Data File : VW012957.D
Acq On : 13 Sep 2019 16:16
Operator : SY/VA
Sample : VSTDICC150
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Sep 13 17:04:15 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 13 16:59:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	489096	147.967	ug/l	99
94) Hexachlorobutadiene	15.24	225	314204	134.276	ug/l	99
95) Naphthalene	15.36	128	897228	162.454	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	430042	147.177	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

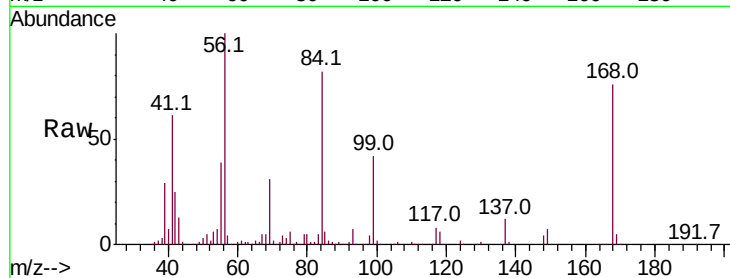
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 286761

Ion Ratio Lower Upper

168 100

99 55.6 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

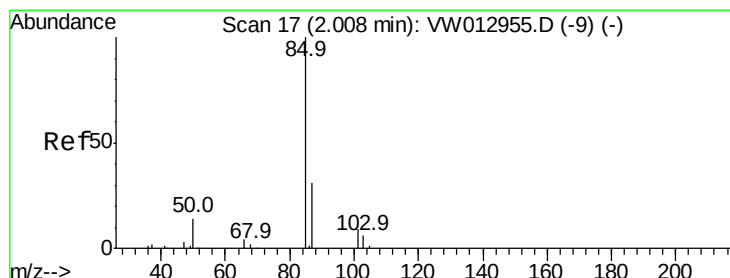
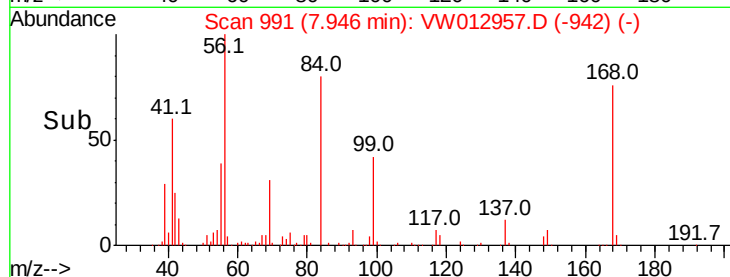
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 126.275 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012957.D

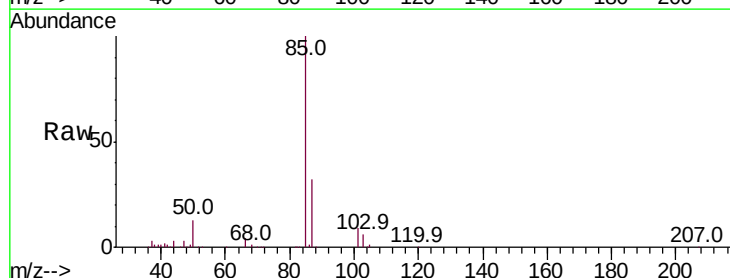
Acq: 13 Sep 2019 16:16

Tgt Ion: 85 Resp: 154811

Ion Ratio Lower Upper

85 100

87 31.8 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

60000

50000

40000

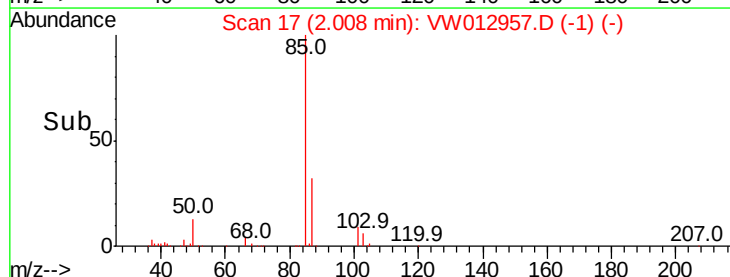
30000

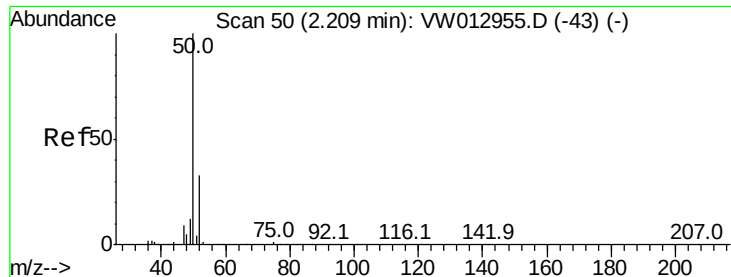
20000

10000

0

Time-->





#3

Chloromethane

Concen: 122.437 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

Instrument :

MSVOA_W

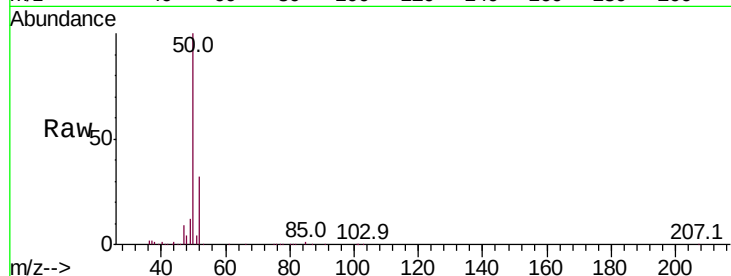
ClientSampled :

Tot Ion: 50 Resp: 191964

Ion Ratio Lower Upper

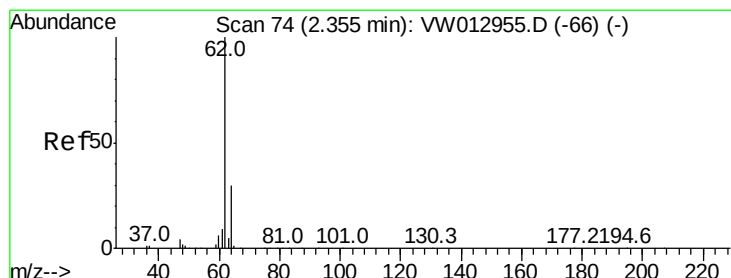
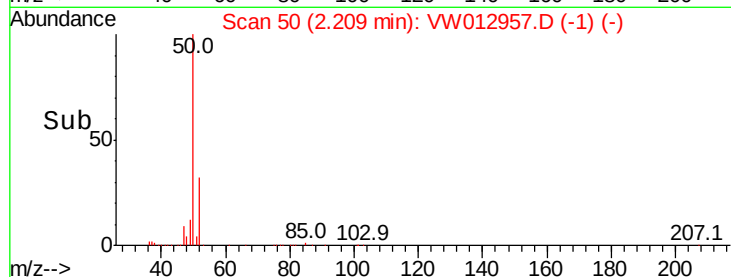
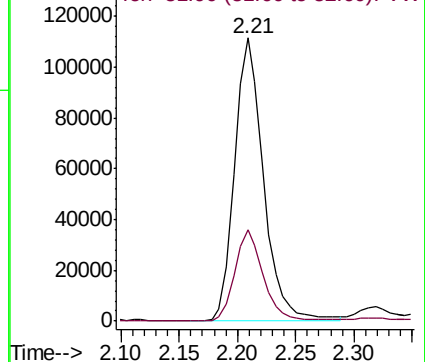
50 100

52 32.4 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: 128.404 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW012957.D

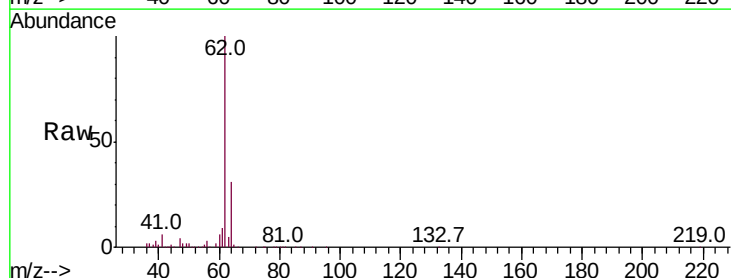
Acq: 13 Sep 2019 16:16

Tgt Ion: 62 Resp: 263555

Ion Ratio Lower Upper

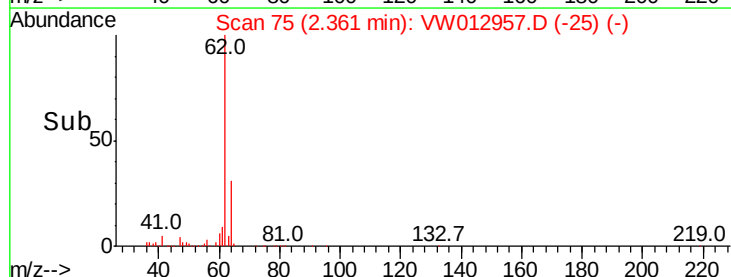
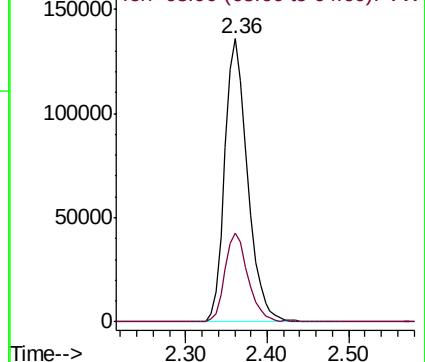
62 100

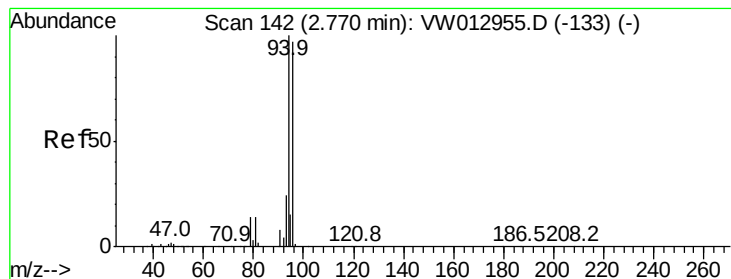
64 31.4 24.2 36.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 125.021 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

Instrument :

MSVOA_W

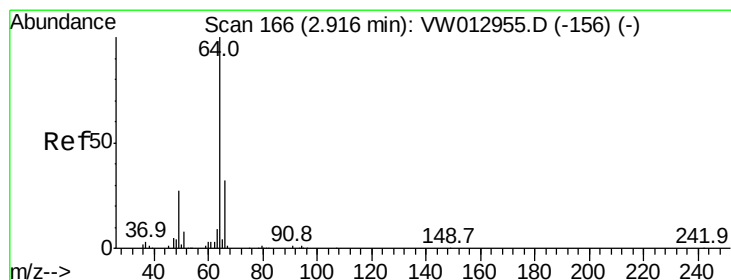
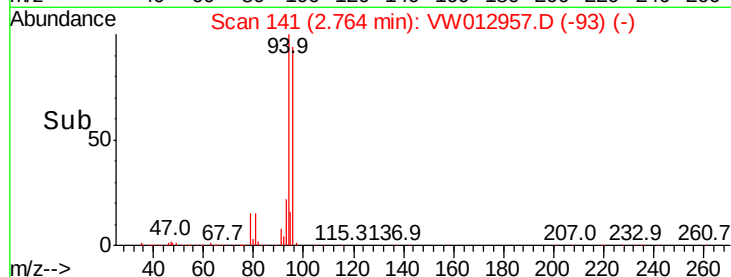
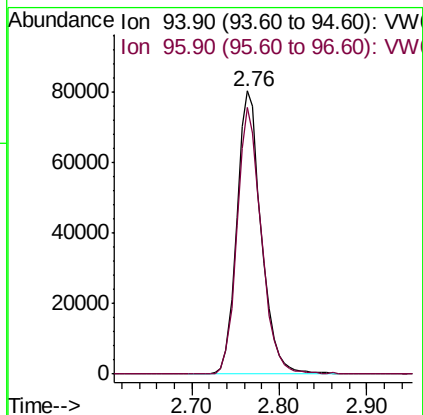
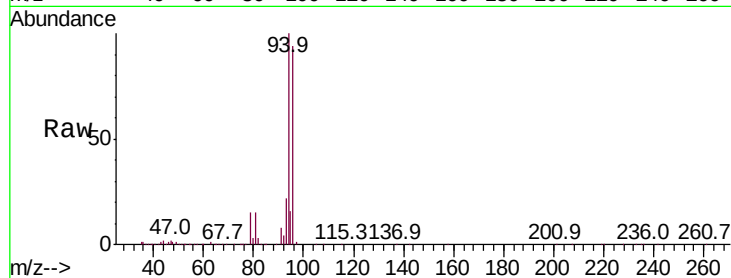
ClientSampled :

Tot Ion: 94 Resp: 156708

Ion Ratio Lower Upper

94 100

96 94.3 77.8 116.6



#6

Chloroethane

Concen: 135.929 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW012957.D

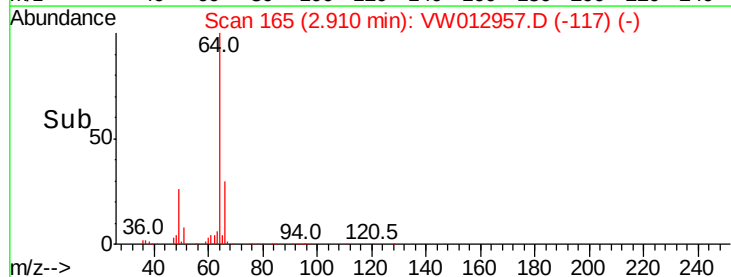
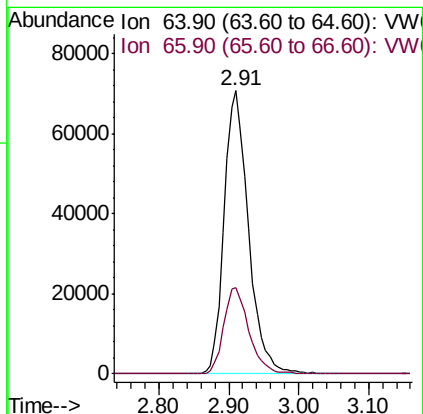
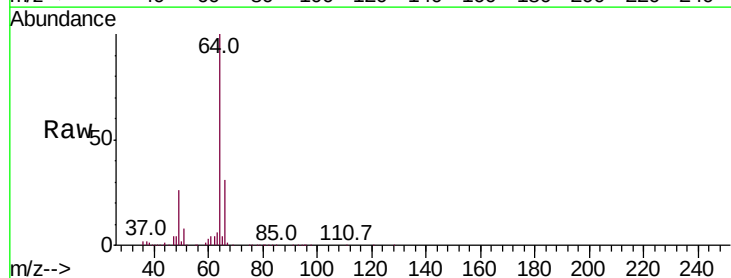
Acq: 13 Sep 2019 16:16

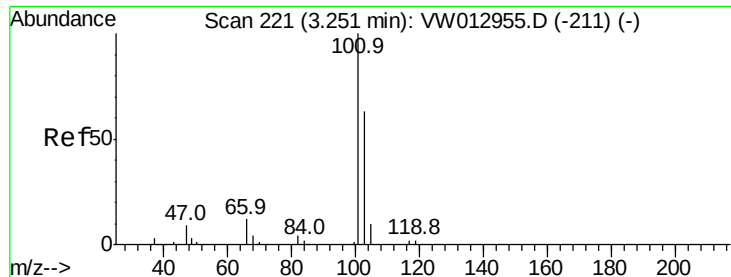
Tgt Ion: 64 Resp: 171116

Ion Ratio Lower Upper

64 100

66 30.5 25.9 38.9



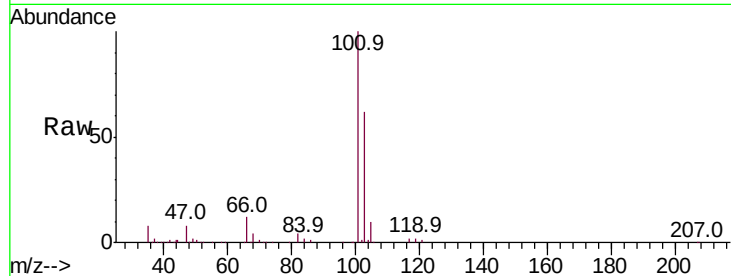


#7

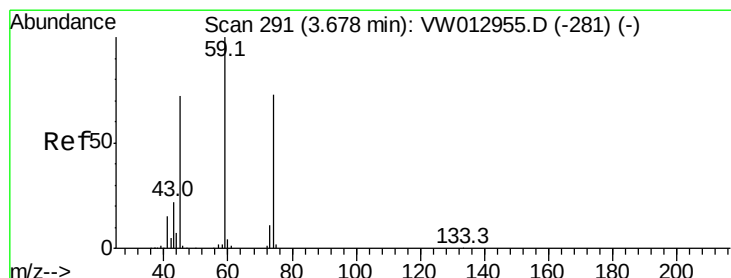
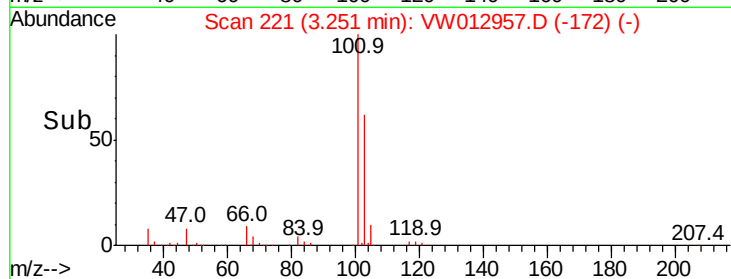
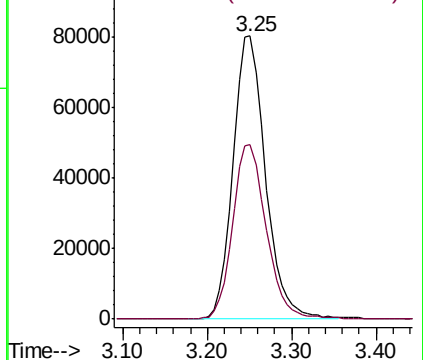
Trichlorofluoromethane
 Concen: 145.835 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:101 Resp: 209320
 Ion Ratio Lower Upper
 101 100
 103 61.8 50.7 76.1



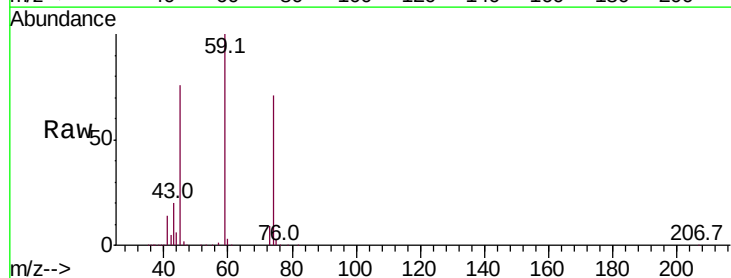
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



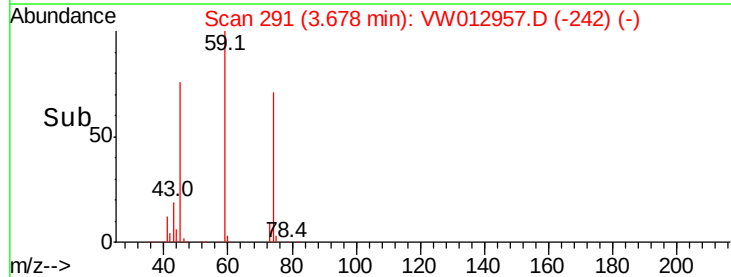
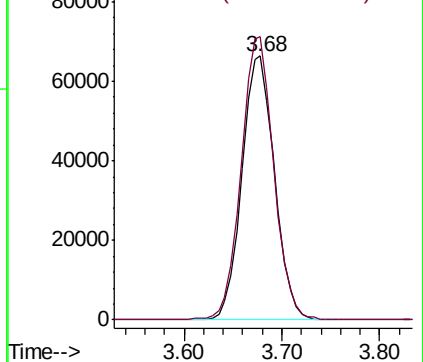
#8

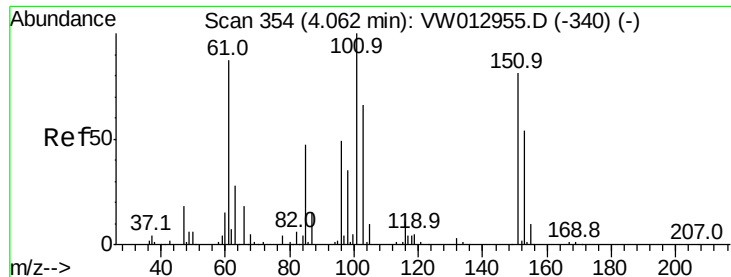
Diethyl Ether
 Concen: 136.906 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

Tgt Ion: 74 Resp: 153438
 Ion Ratio Lower Upper
 74 100
 45 106.3 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: 131.990 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

Instrument :

MSVOA_W

ClientSampled :

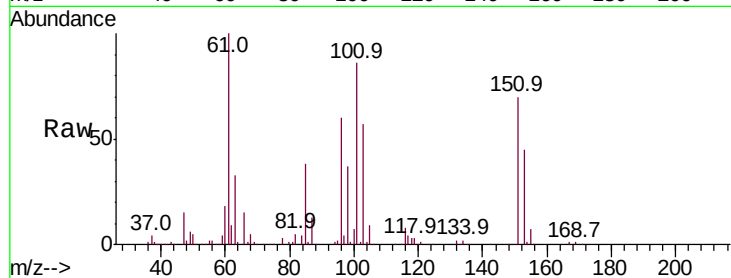
Tot Ion:101 Resp: 287337

Ion Ratio Lower Upper

101 100

85 43.9 34.9 52.3

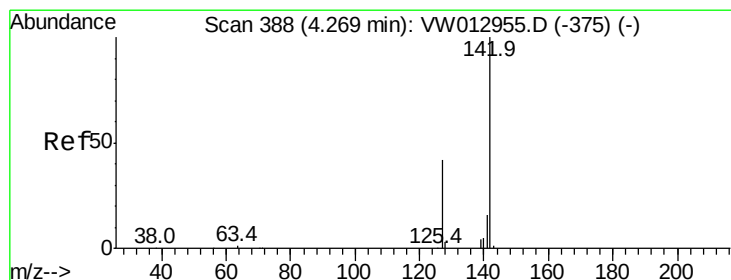
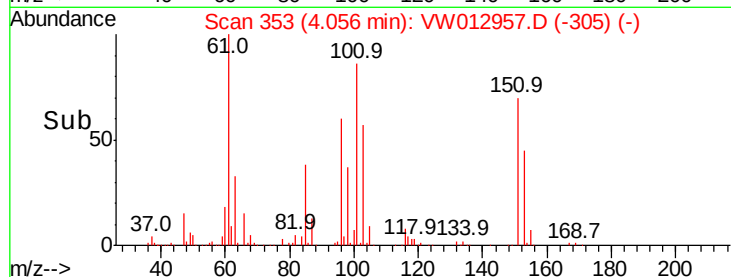
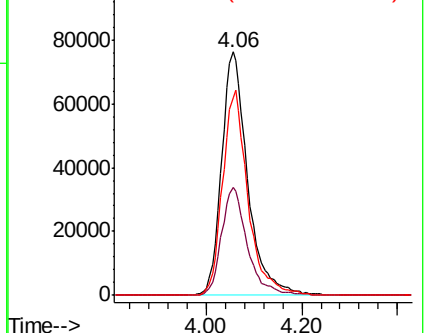
151 82.2 66.0 99.0



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: 137.414 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

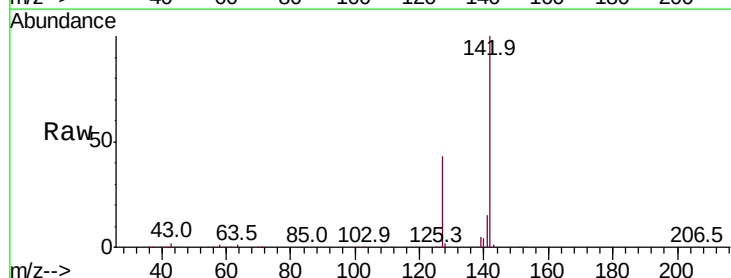
Tgt Ion:142 Resp: 374374

Ion Ratio Lower Upper

142 100

127 43.3 34.7 52.1

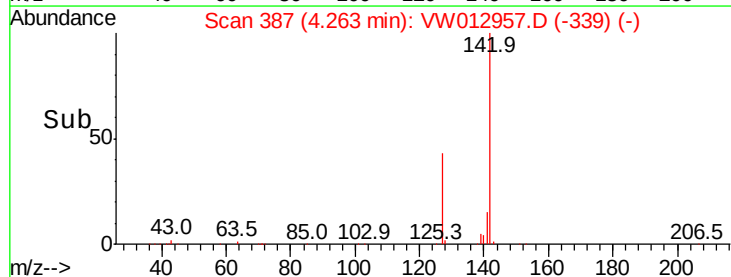
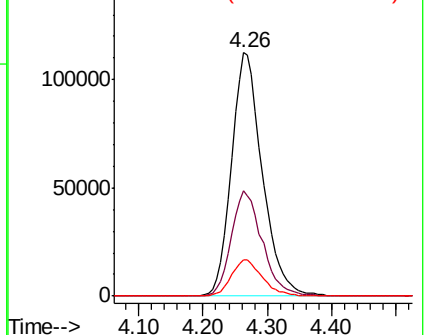
141 15.1 12.2 18.2

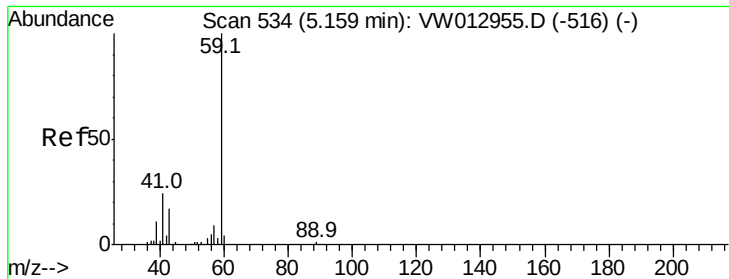


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



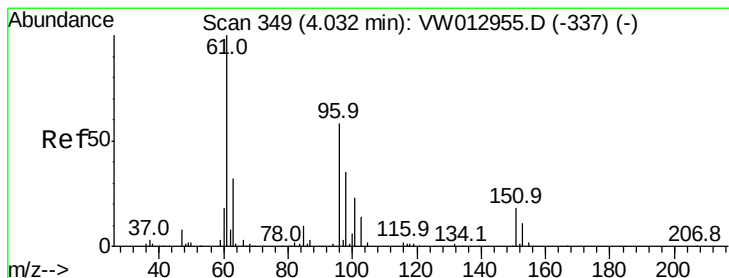
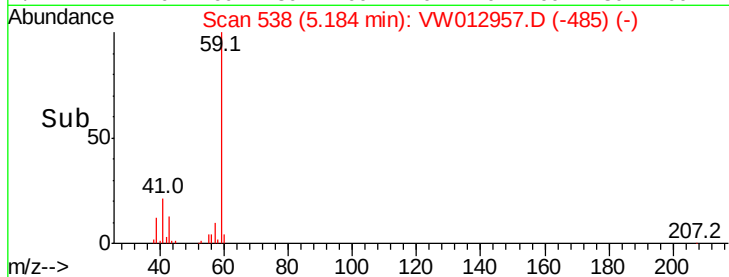
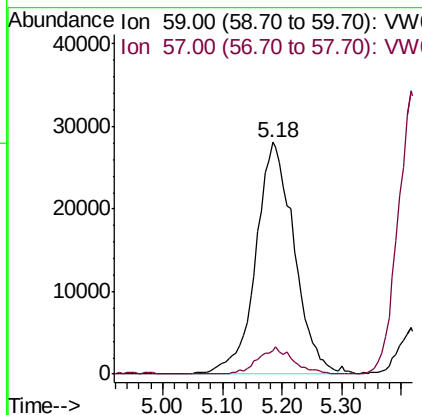
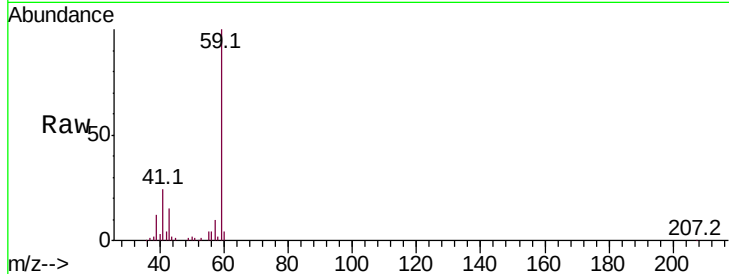


#11

Tert butyl alcohol
Concen: 603.188 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.02 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Instrument :
MSVOA_W
ClientSampleId :

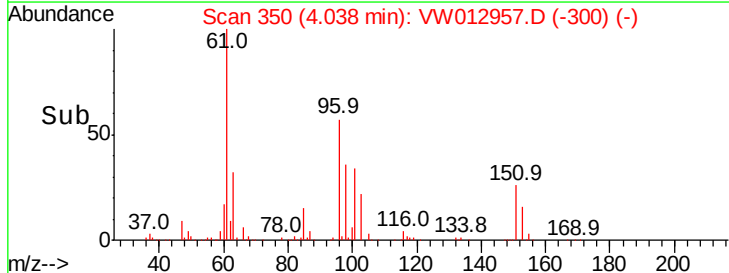
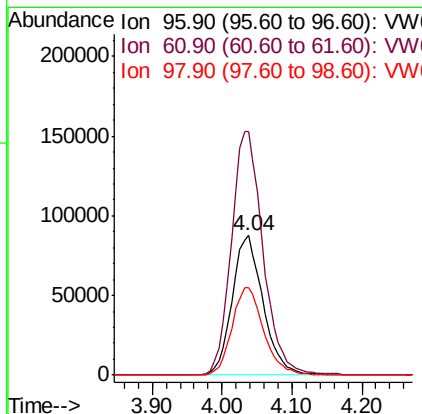
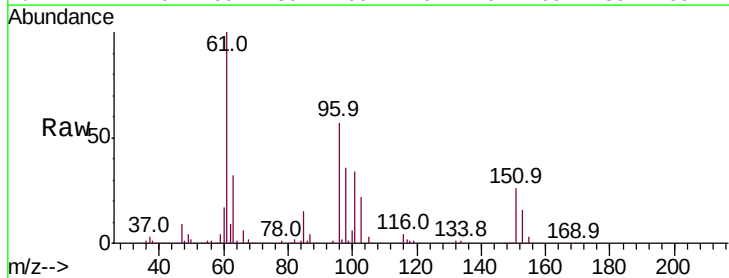
Tot Ion: 59 Resp: 125209
Ion Ratio Lower Upper
59 100
57 10.6 8.5 12.7

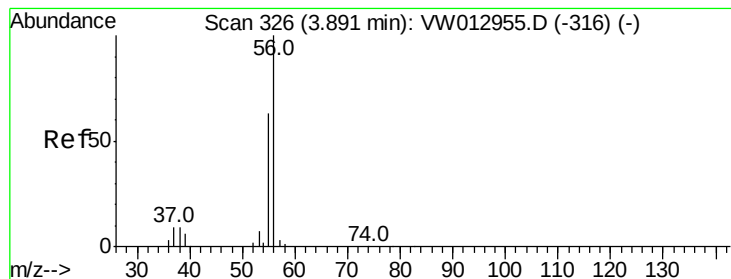


#12

1,1-Dichloroethene
Concen: 136.213 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Tgt Ion: 96 Resp: 269619
Ion Ratio Lower Upper
96 100
61 174.3 137.9 206.9
98 62.9 48.9 73.3





#13

Acrolein

Concen: 730.088 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

Instrument :

MSVOA_W

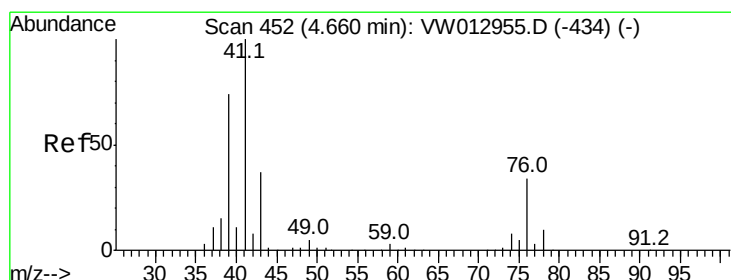
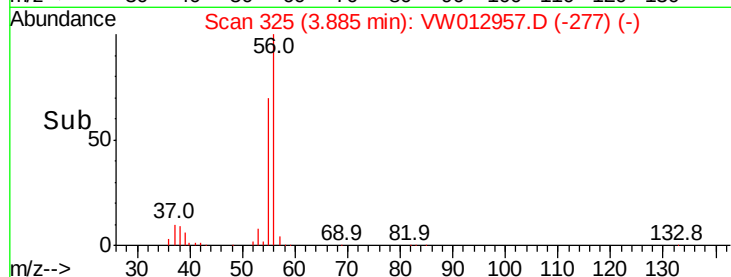
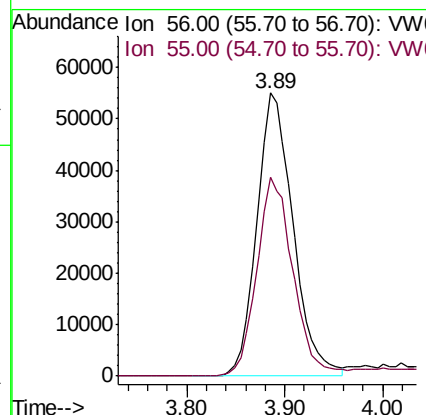
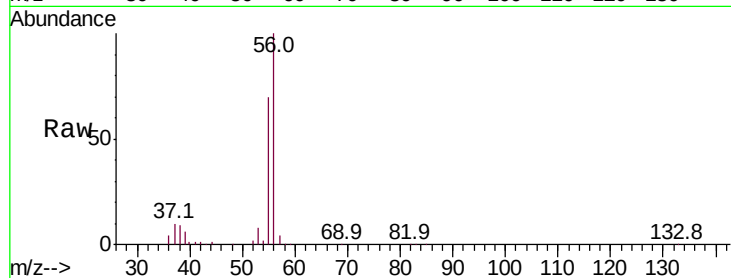
ClientSampleId :

Tot Ion: 56 Resp: 141835

Ion Ratio Lower Upper

56 100

55 70.5 55.8 83.8



#14

Allyl chloride

Concen: 140.489 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

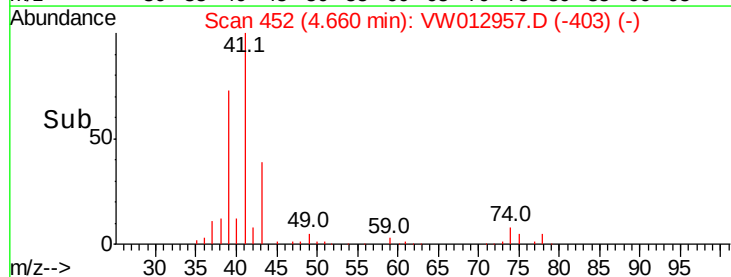
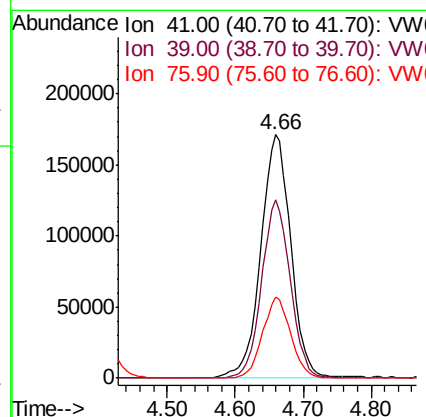
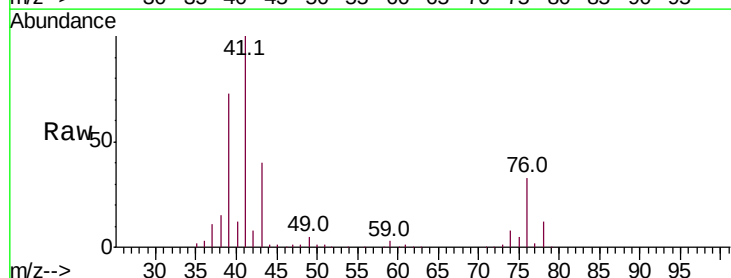
Tgt Ion: 41 Resp: 527922

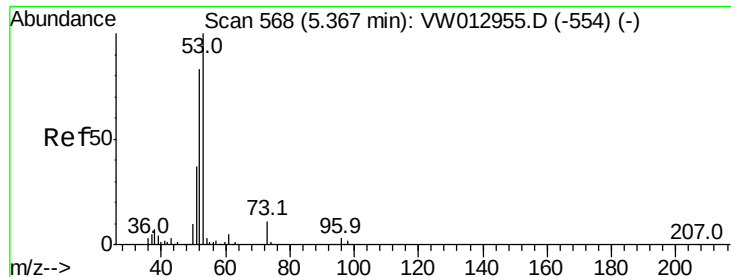
Ion Ratio Lower Upper

41 100

39 69.5 56.7 85.1

76 31.2 25.1 37.7





#15

Acrylonitrile

Concen: 712.449 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

Instrument :

MSVOA_W

ClientSampleId :

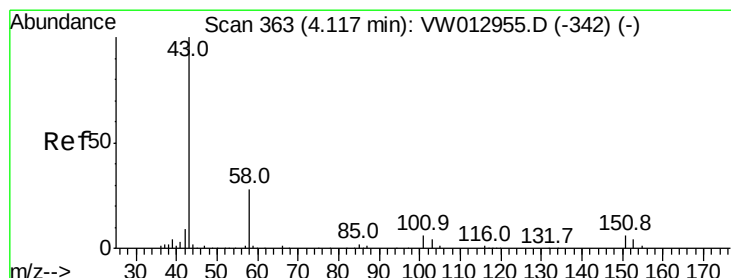
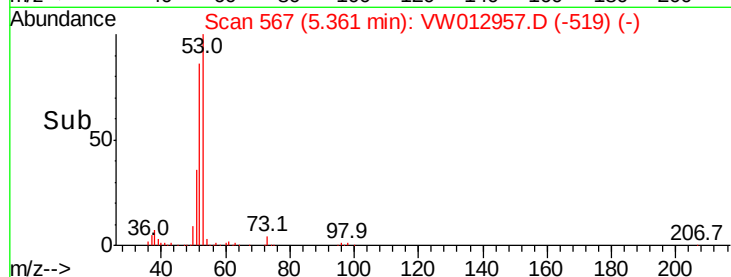
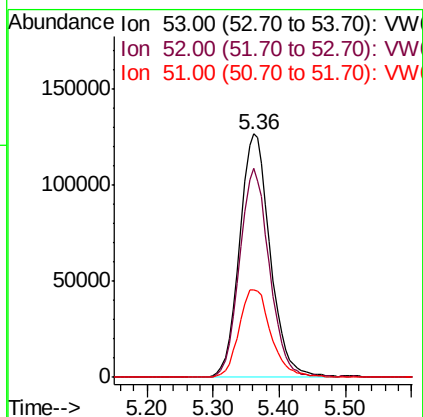
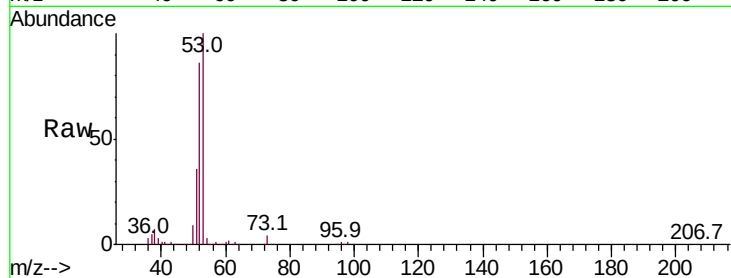
Tot Ion: 53 Resp: 407820

Ion Ratio Lower Upper

53 100

52 83.8 66.6 100.0

51 37.7 29.8 44.8



#16

Acetone

Concen: 624.990 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW012957.D

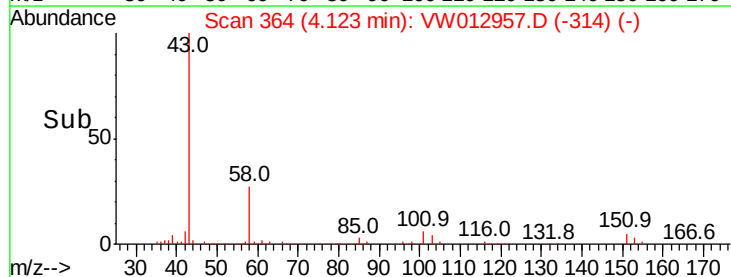
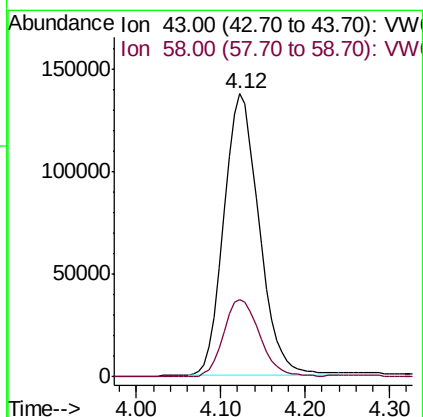
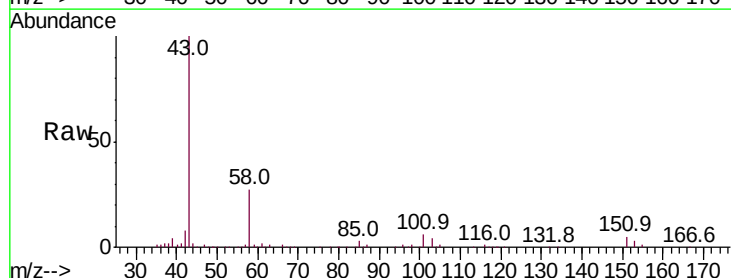
Acq: 13 Sep 2019 16:16

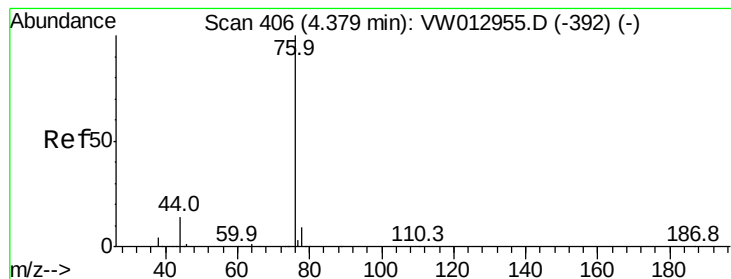
Tgt Ion: 43 Resp: 393209

Ion Ratio Lower Upper

43 100

58 27.1 22.3 33.5





#17

Carbon Disulfide

Concen: 133.483 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

Instrument :

MSVOA_W

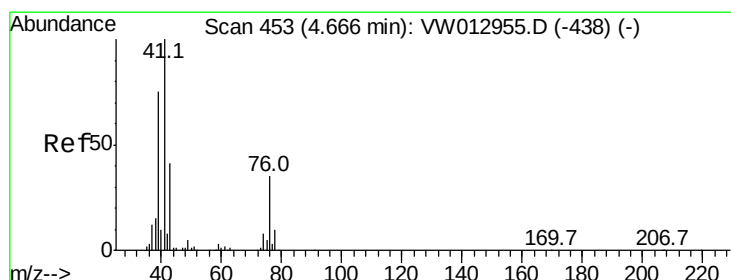
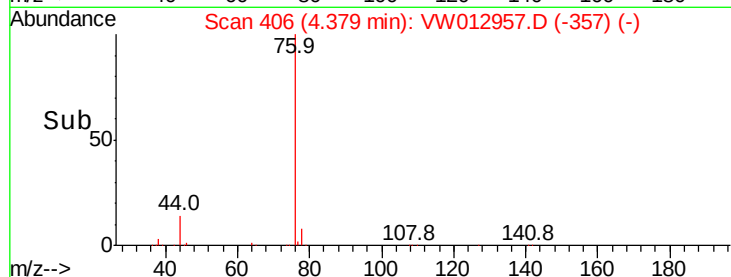
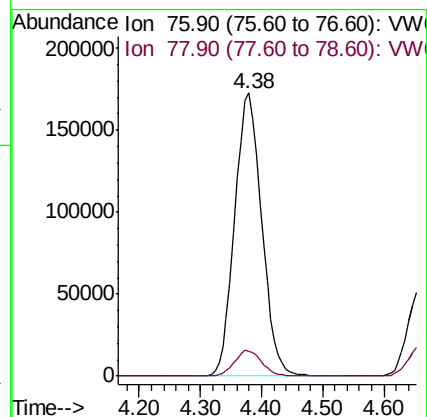
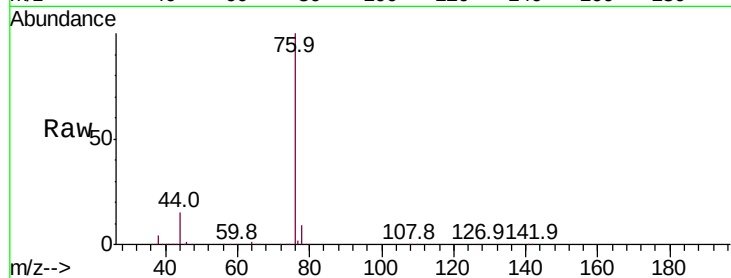
ClientSampleId :

Tot Ion: 76 Resp: 526535

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.4



#18

Methyl Acetate

Concen: 138.862 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012957.D

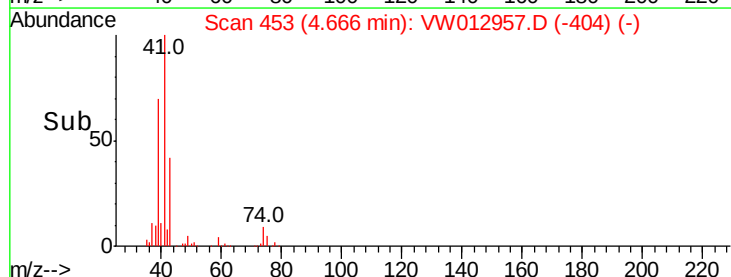
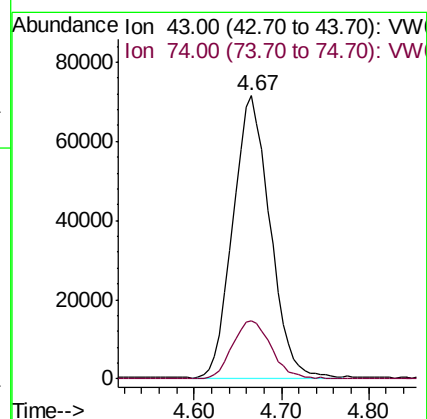
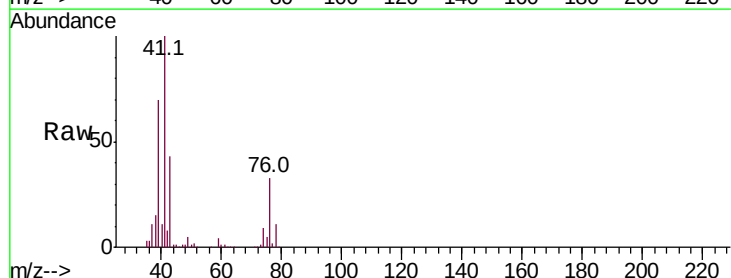
Acq: 13 Sep 2019 16:16

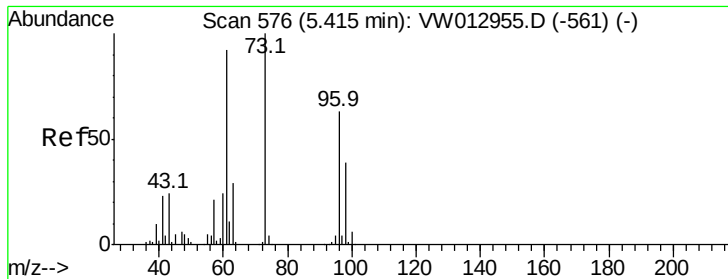
Tgt Ion: 43 Resp: 209526

Ion Ratio Lower Upper

43 100

74 21.6 17.8 26.8

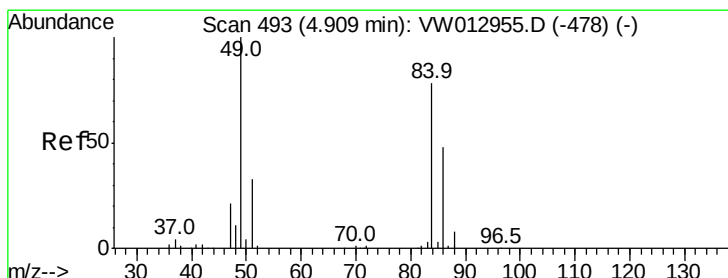
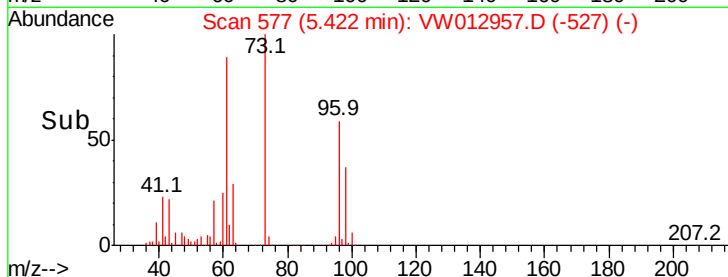
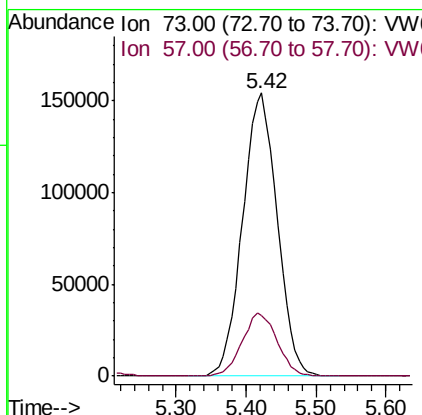
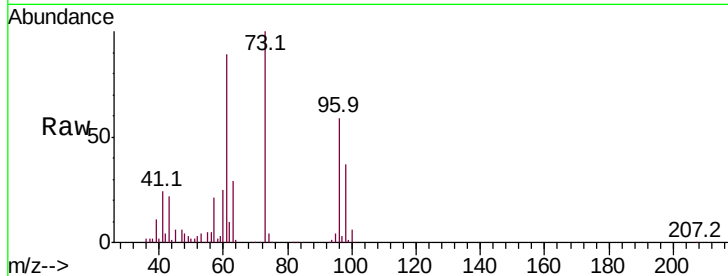




#19
Methyl tert-butyl Ether
Concen: 135.831 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

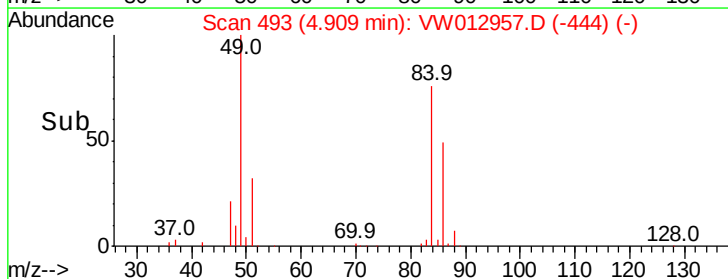
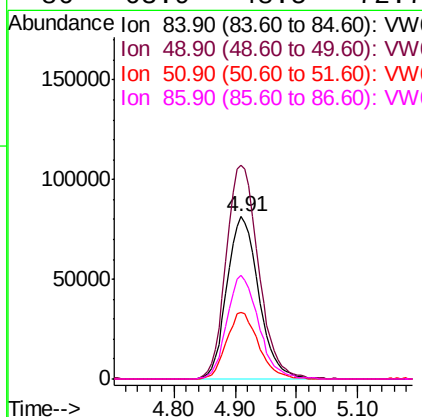
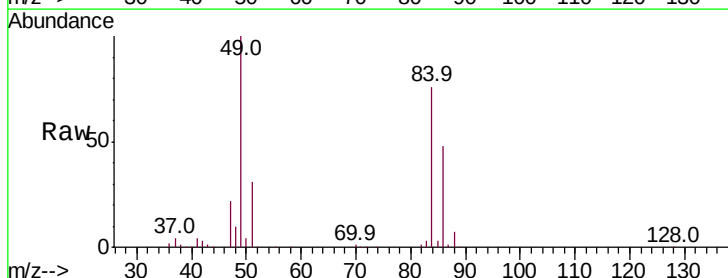
Instrument :
MSVOA_W
ClientSampleId :

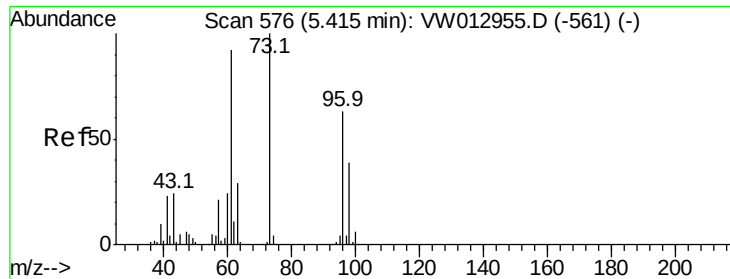
Tot Ion: 73 Resp: 530723
Ion Ratio Lower Upper
73 100
57 21.5 16.4 24.6



#20
Methylene Chloride
Concen: 117.975 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Tgt Ion: 84 Resp: 293686
Ion Ratio Lower Upper
84 100
49 131.8 102.0 153.0
51 41.4 34.0 51.0
86 63.9 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 133.357 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

Instrument :

MSVOA_W

ClientSampleId :

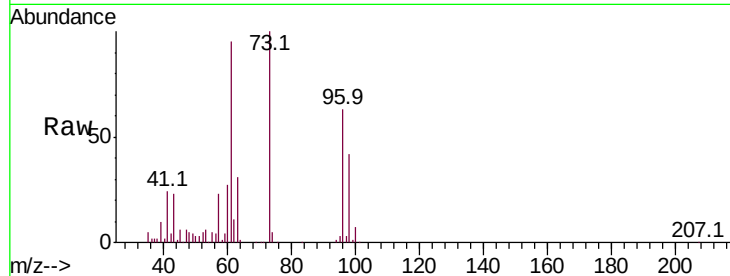
Tot Ion: 96 Resp: 282716

Ion Ratio Lower Upper

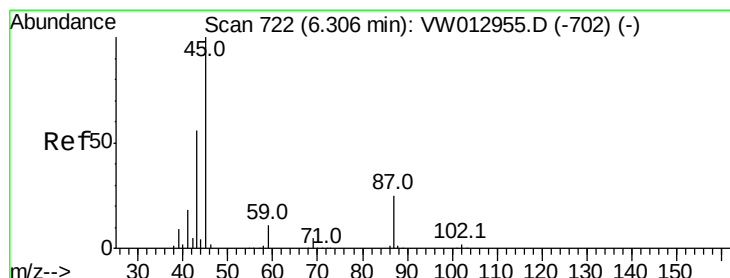
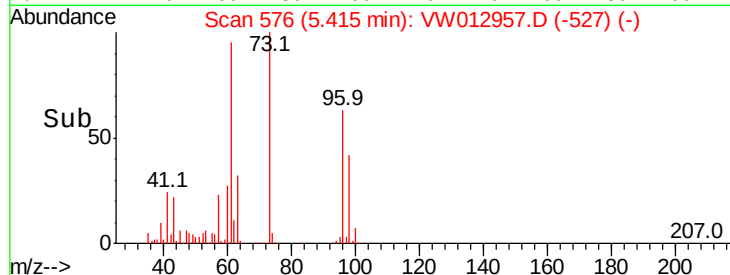
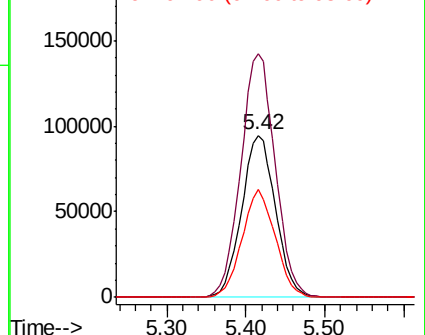
96 100

61 150.5 116.2 174.2

98 66.6 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: 138.601 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

Tgt Ion: 45 Resp: 1081979

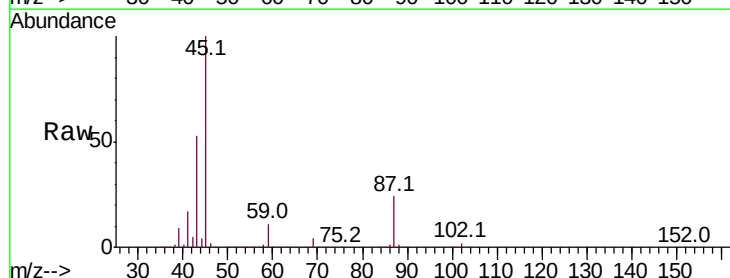
Ion Ratio Lower Upper

45 100

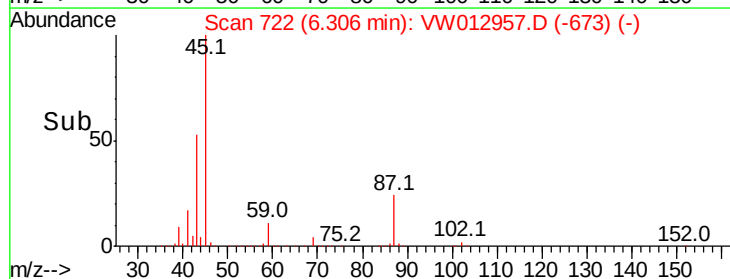
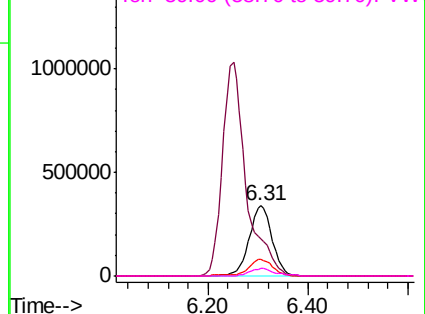
43 53.4 44.6 67.0

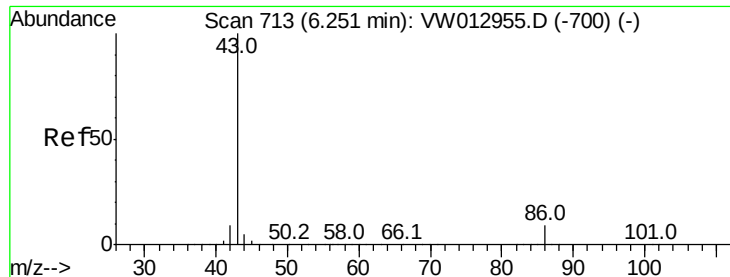
87 23.9 20.0 30.0

59 10.6 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: 728.646 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

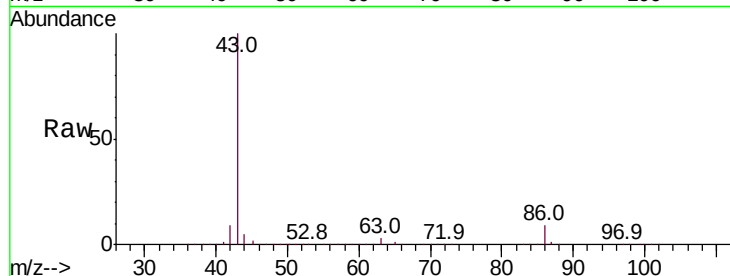
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 3406849

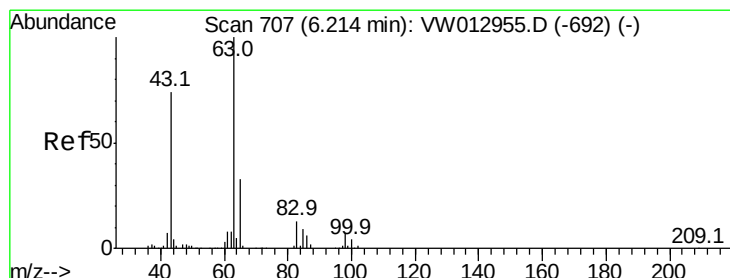
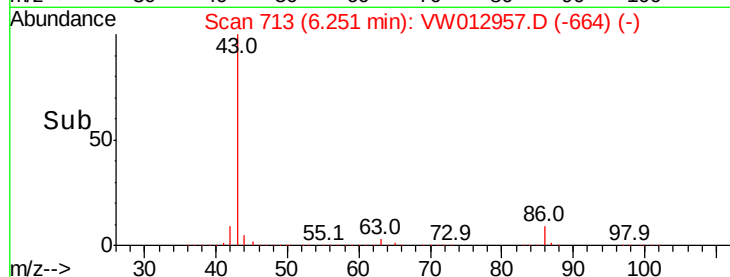
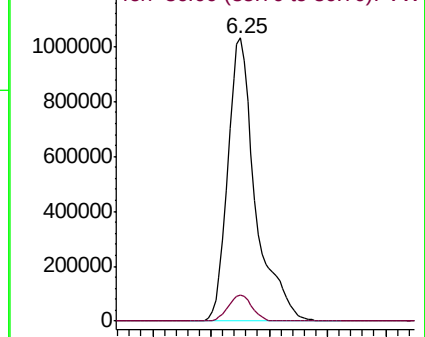
Ion Ratio Lower Upper

43 100

86 9.4 7.0 10.6



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 136.849 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

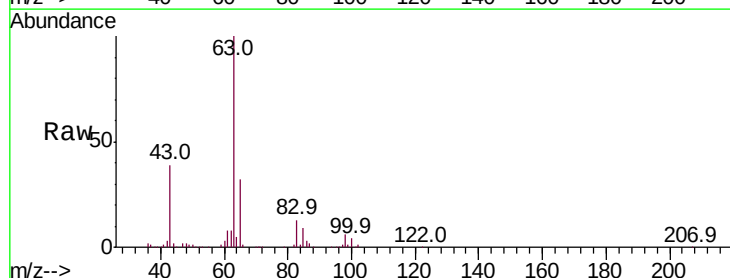
Tgt Ion: 63 Resp: 615951

Ion Ratio Lower Upper

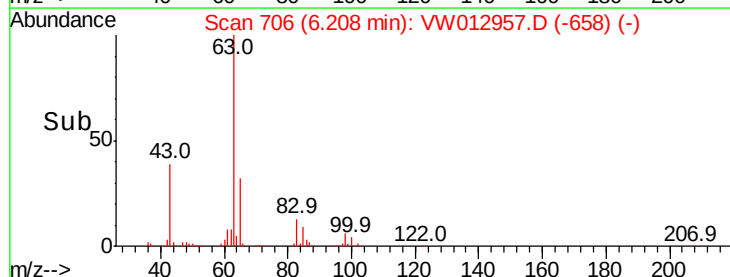
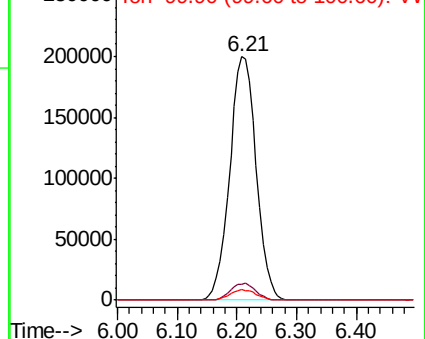
63 100

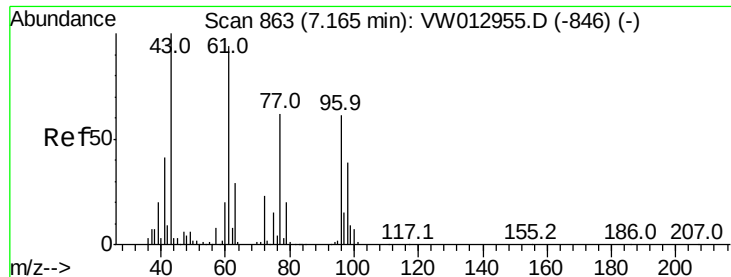
98 6.4 3.3 9.9

100 4.2 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 97.90 (97.60 to 98.60): VW
Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 680.378 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

Instrument :

MSVOA_W

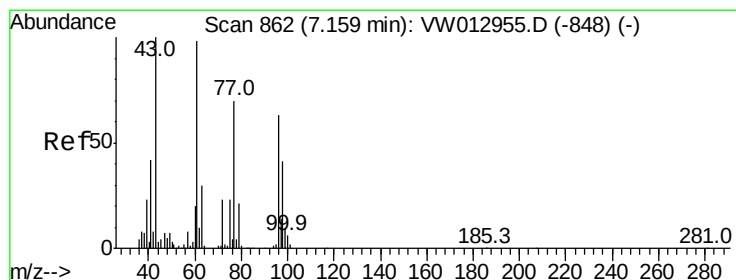
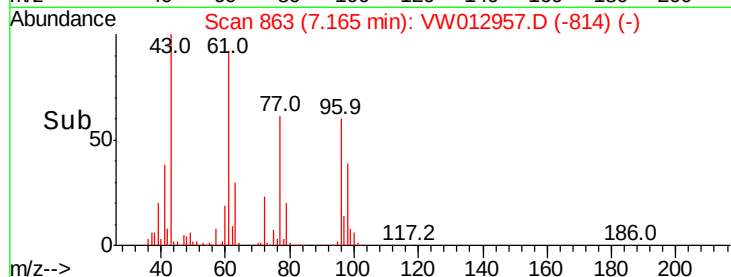
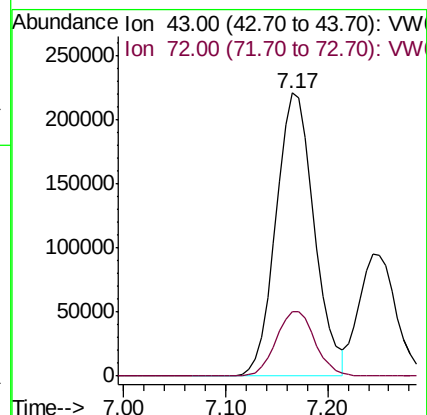
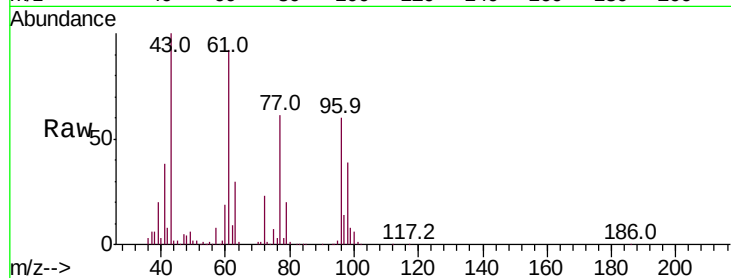
ClientSampled :

Tot Ion: 43 Resp: 572975

Ion Ratio Lower Upper

43 100

72 23.0 18.2 27.4



#26

2,2-Dichloropropane

Concen: 123.602 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW012957.D

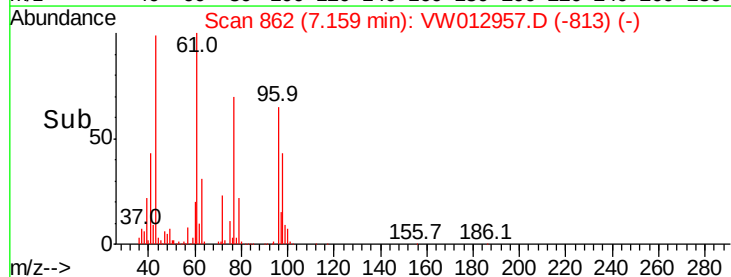
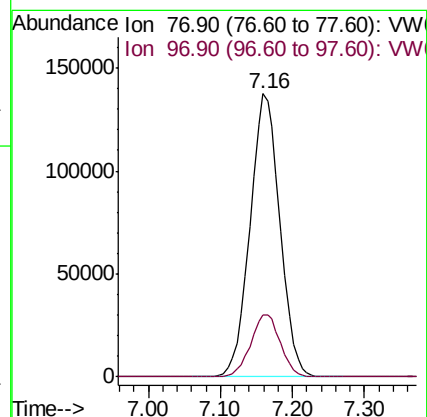
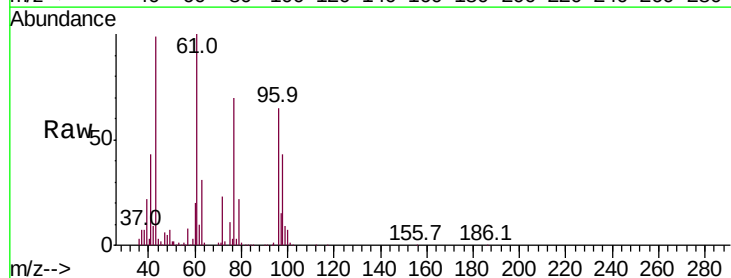
Acq: 13 Sep 2019 16:16

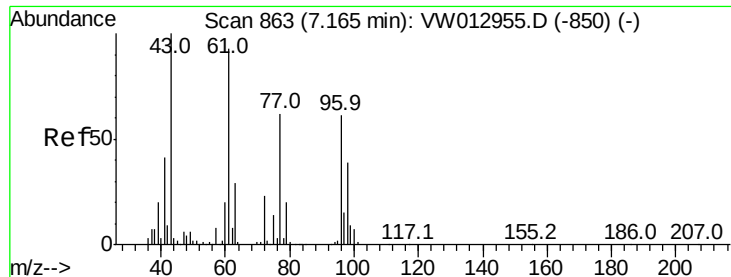
Tgt Ion: 77 Resp: 394483

Ion Ratio Lower Upper

77 100

97 21.8 10.7 32.1



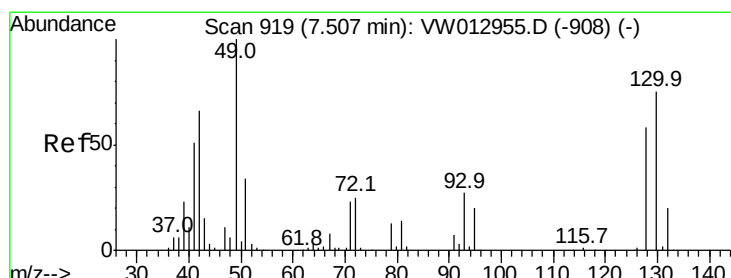
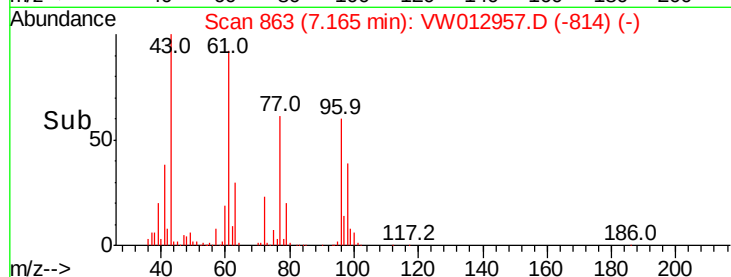
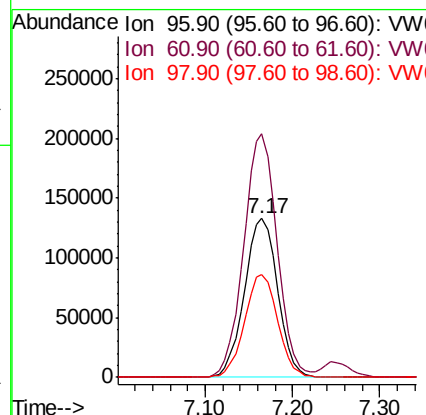
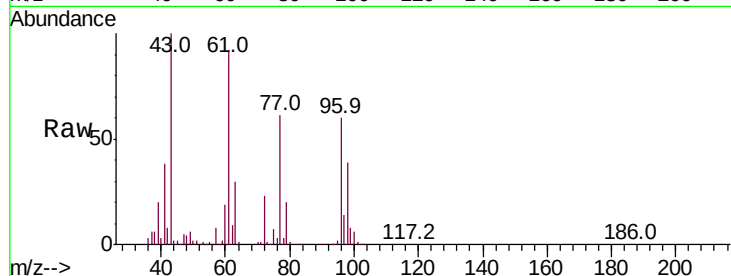


#27

cis-1,2-Dichloroethene
 Concen: 138.400 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

Instrument :
 MSVOA_W
 ClientSampled :

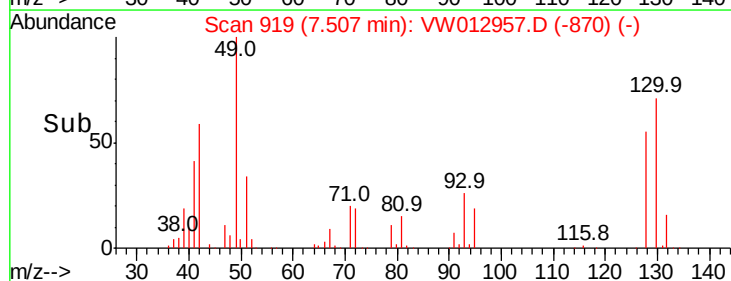
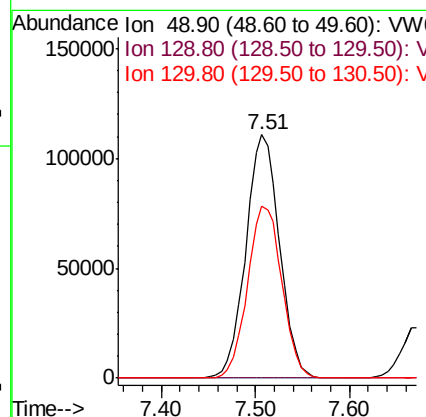
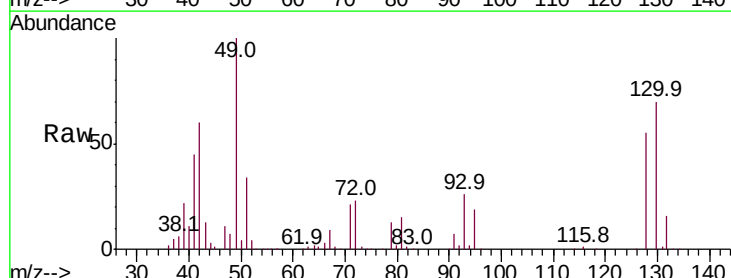
Tot Ion: 96 Resp: 351273
 Ion Ratio Lower Upper
 96 100
 61 153.4 0.0 315.4
 98 64.3 0.0 131.0

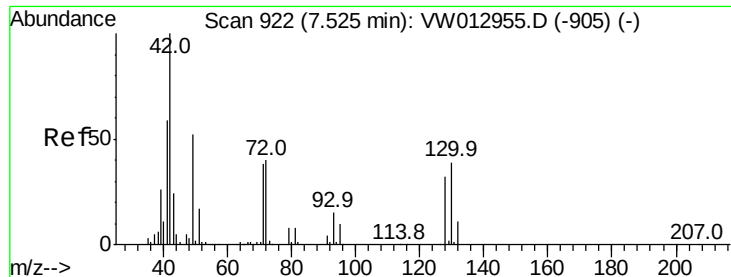


#28

Bromochloromethane
 Concen: 146.716 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

Tgt Ion: 49 Resp: 277945
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 1.4
 130 71.9 57.8 86.6

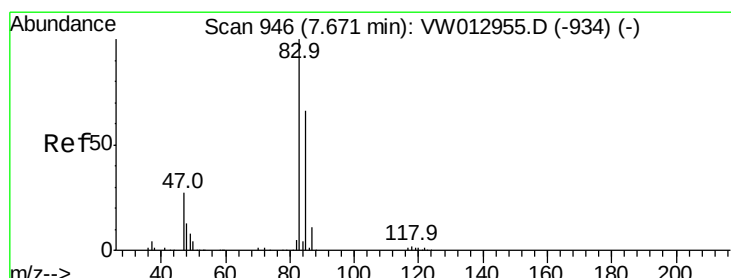
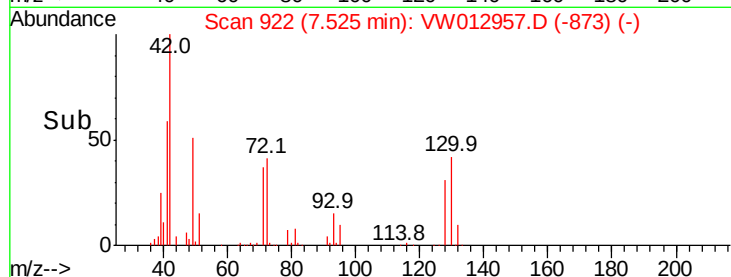
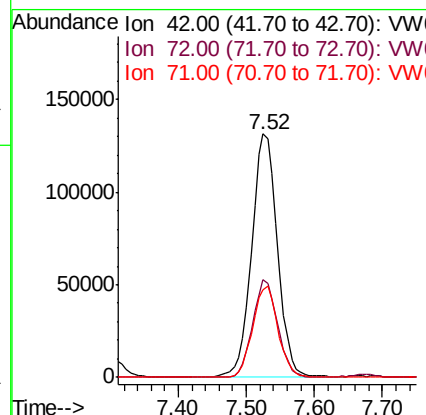
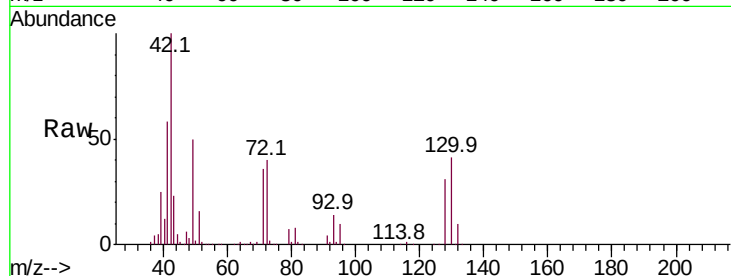




#29
Tetrahydrofuran
Concen: 724.016 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

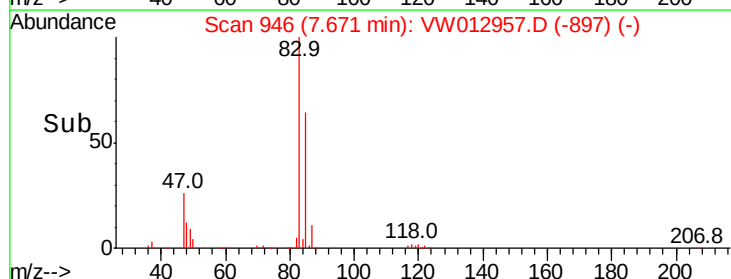
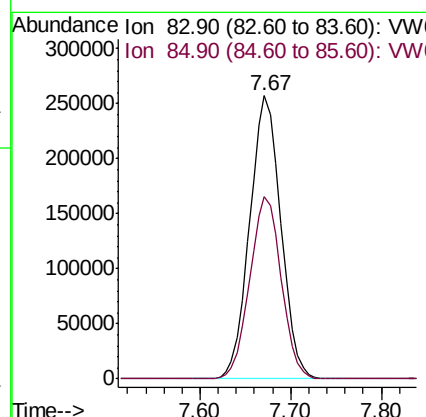
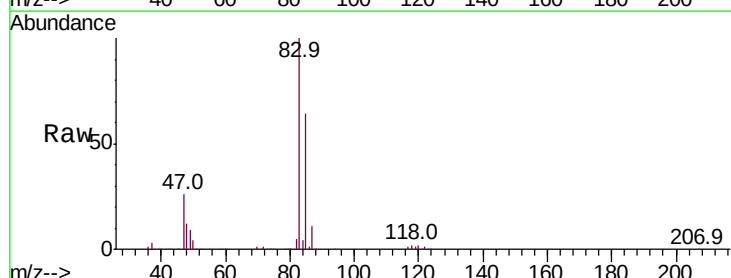
Instrument :
MSVOA_W
ClientSampleId :

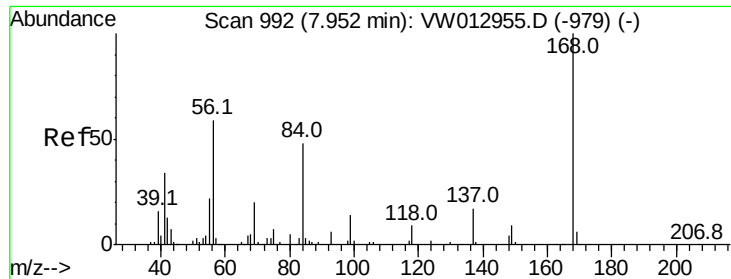
Tot Ion: 42 Resp: 347410
Ion Ratio Lower Upper
42 100
72 38.9 31.4 47.0
71 36.7 29.8 44.8



#30
Chloroform
Concen: 133.701 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Tgt Ion: 83 Resp: 611456
Ion Ratio Lower Upper
83 100
85 64.4 52.8 79.2

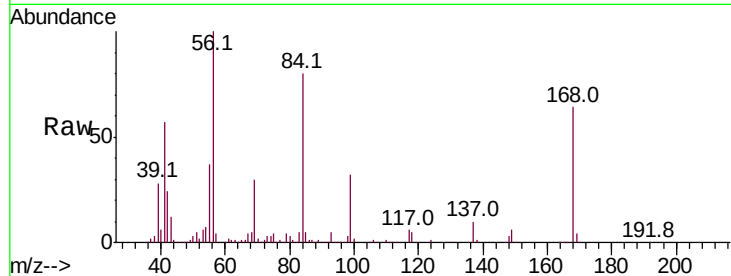




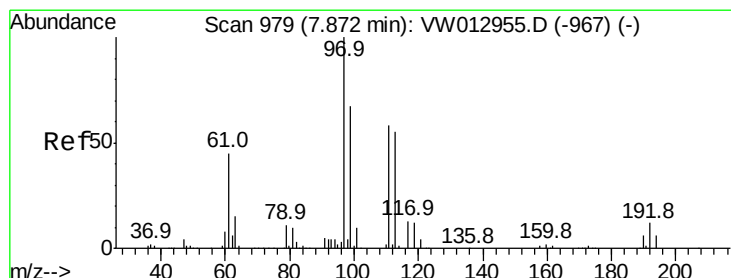
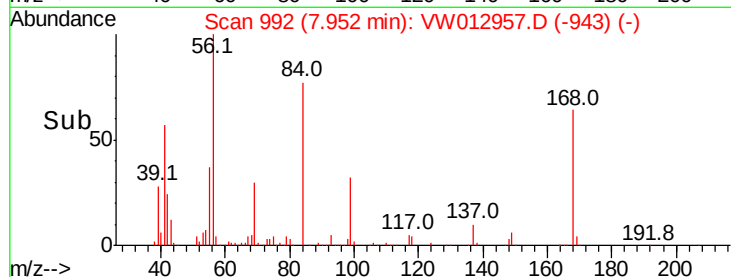
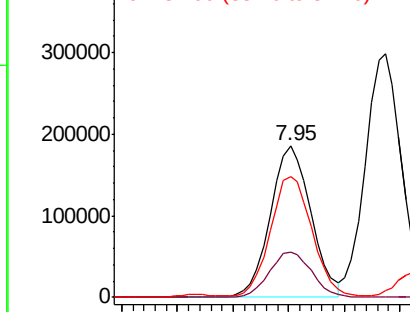
#31
Cyclohexane
Concen: 123.183 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 472389
Ion Ratio Lower Upper
56 100
69 29.9 27.0 40.6
84 78.5 66.2 99.2

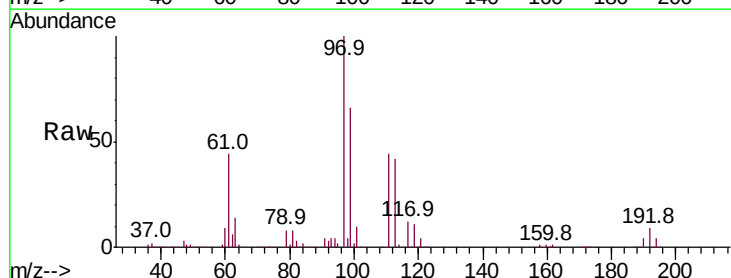


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

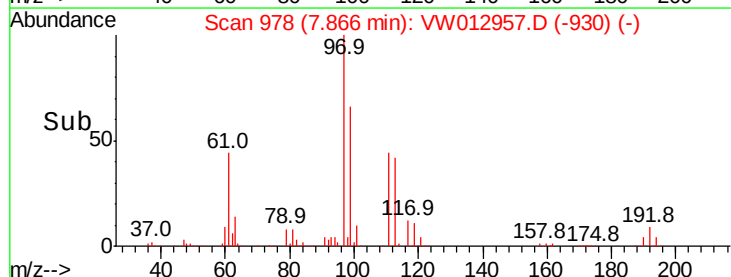
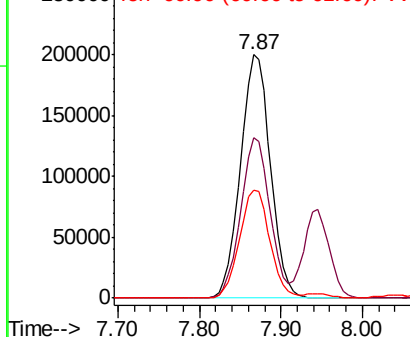


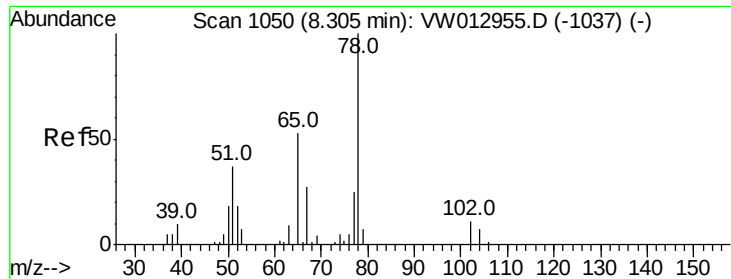
#32
1,1,1-Trichloroethane
Concen: 135.624 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Tgt Ion: 97 Resp: 510790
Ion Ratio Lower Upper
97 100
99 64.4 53.0 79.4
61 44.8 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

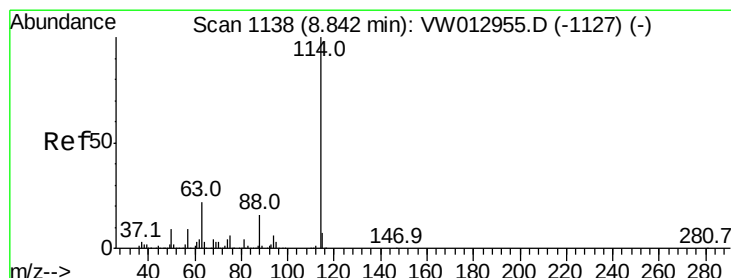
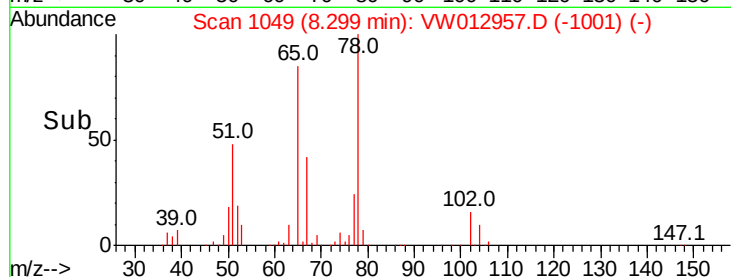
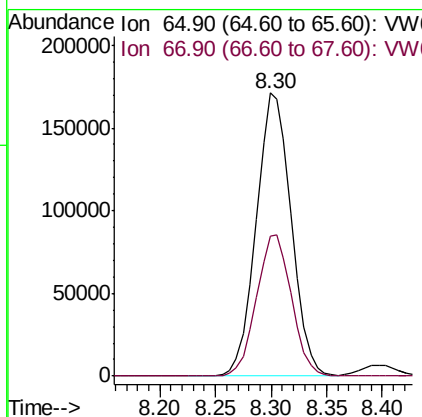
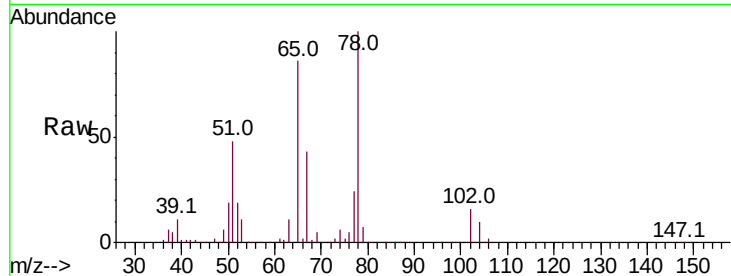




#33
 1,2-Dichloroethane-d4
 Concen: 141.304 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

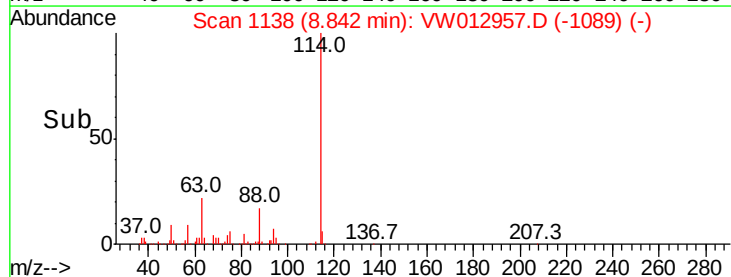
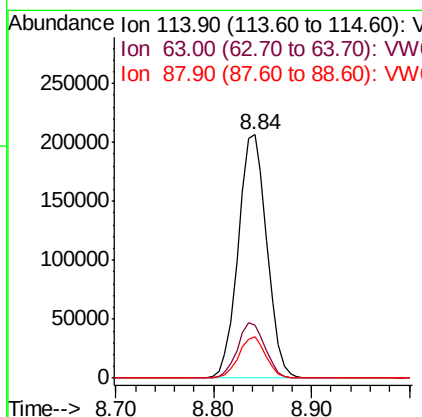
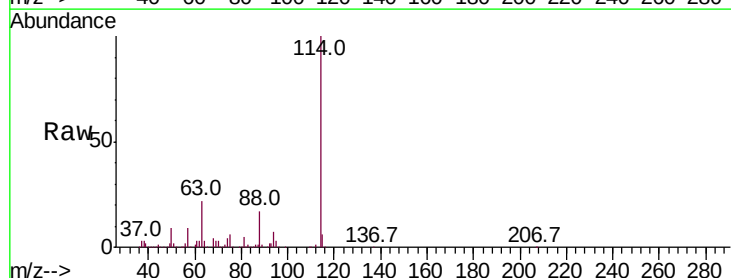
Instrument :
 MSVOA_W
 ClientSampleId :

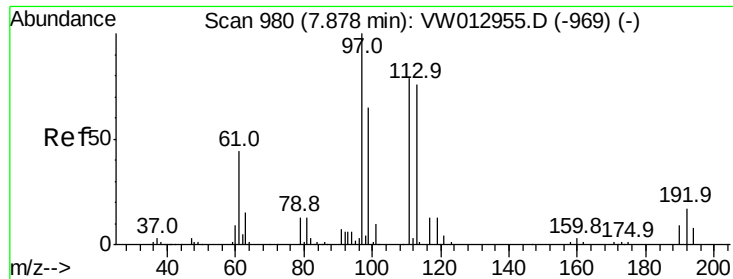
Tot Ion: 65 Resp: 374235
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

Tgt Ion: 114 Resp: 417504
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 43.4
 88 17.0 0.0 31.6

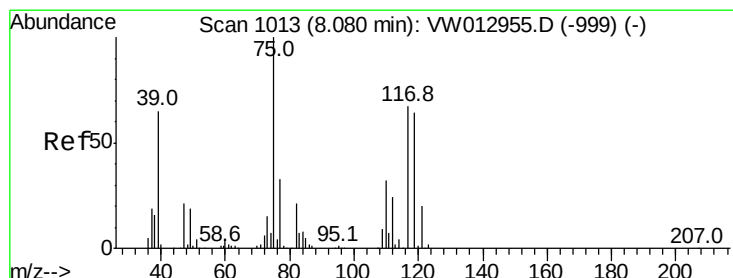
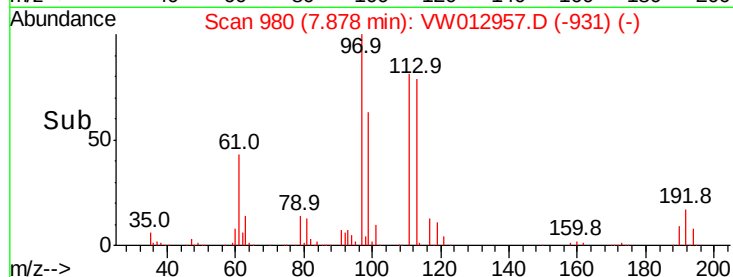
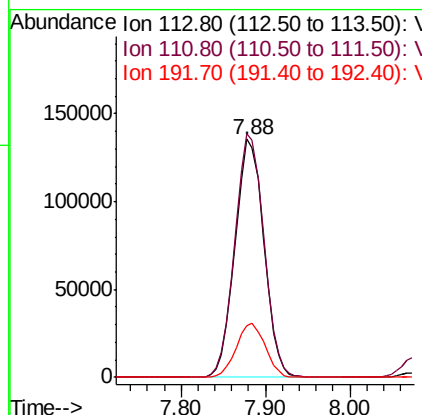
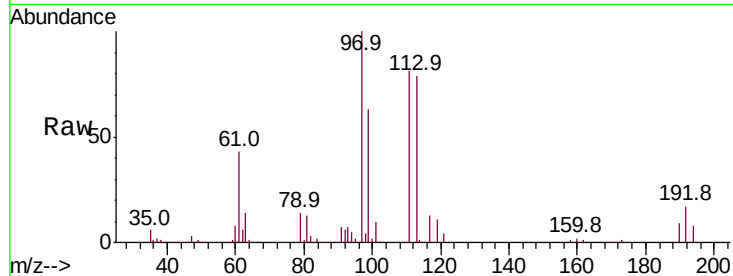




#35
 Dibromofluoromethane
 Concen: 138.634 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

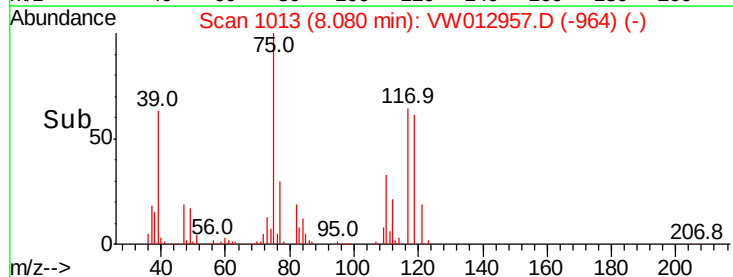
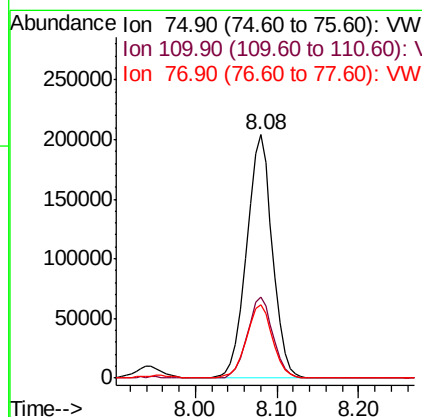
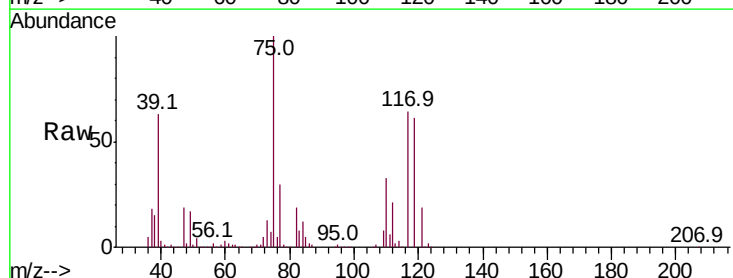
Instrument :
 MSVOA_W
 ClientSampleId :

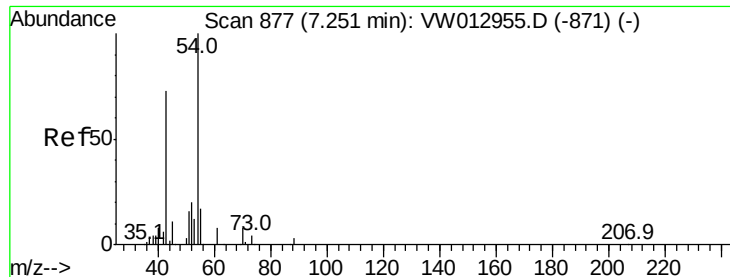
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.8	124.2
192	22.7	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 134.029 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.4	49.1
77	30.9	25.1	37.7

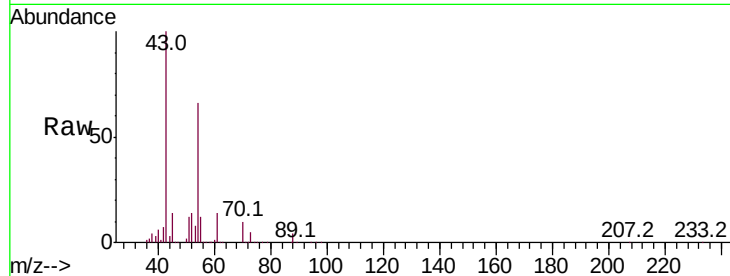




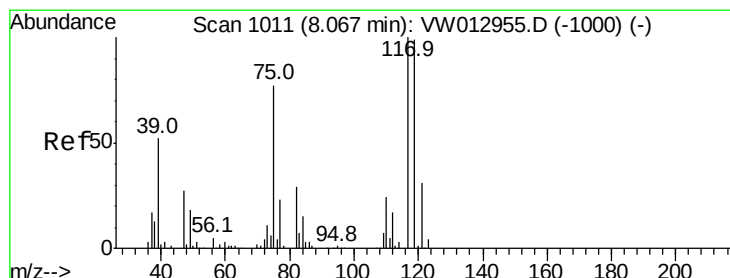
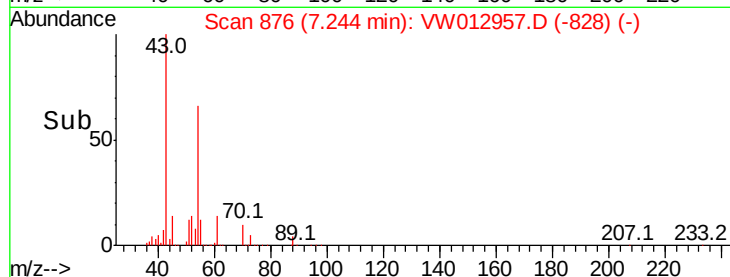
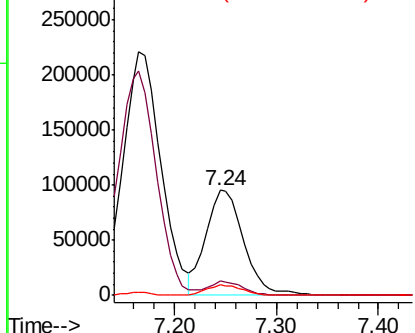
#37
Ethyl Acetate
Concen: 138.096 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 244543
Ion Ratio Lower Upper
43 100
61 12.4 9.6 14.4
70 9.4 7.6 11.4

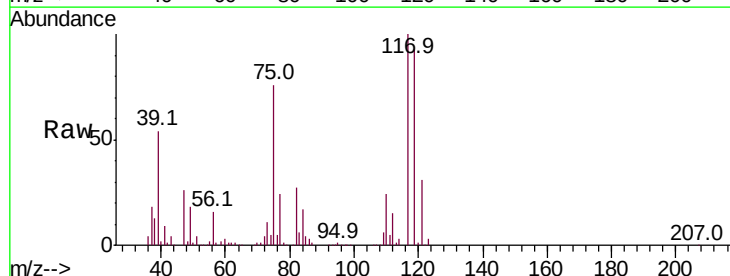


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

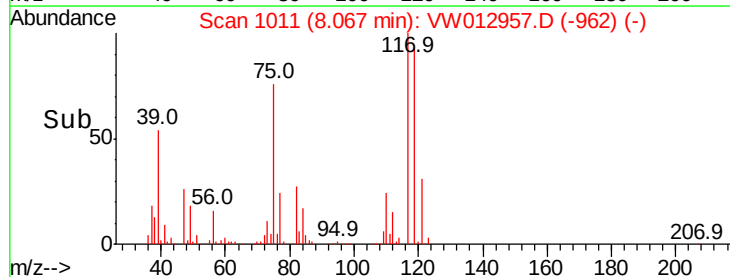
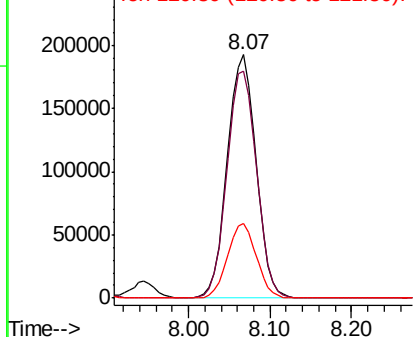


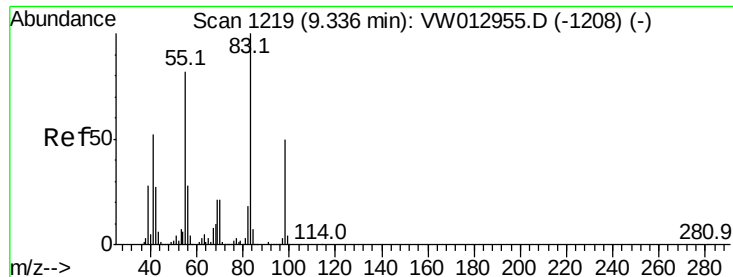
#38
Carbon Tetrachloride
Concen: 137.327 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Tgt Ion: 117 Resp: 469505
Ion Ratio Lower Upper
117 100
119 93.3 79.4 119.0
121 30.6 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

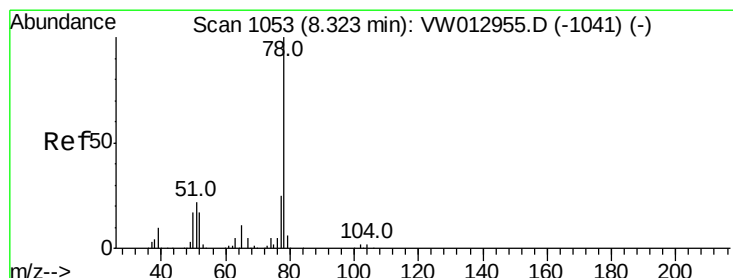
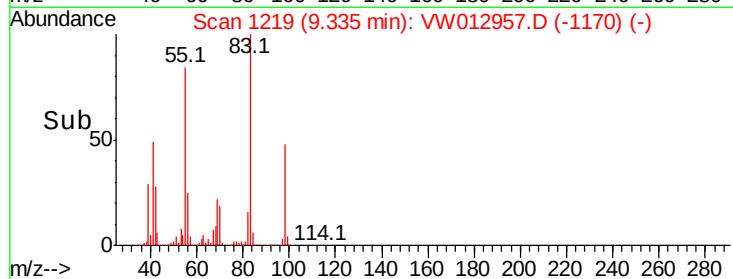
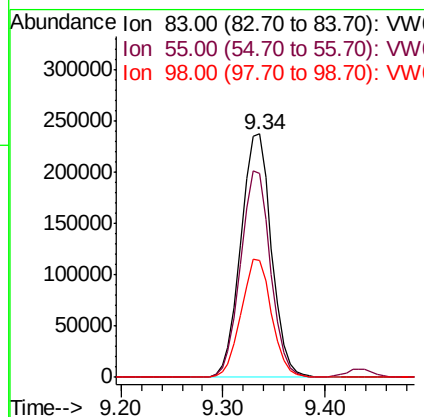
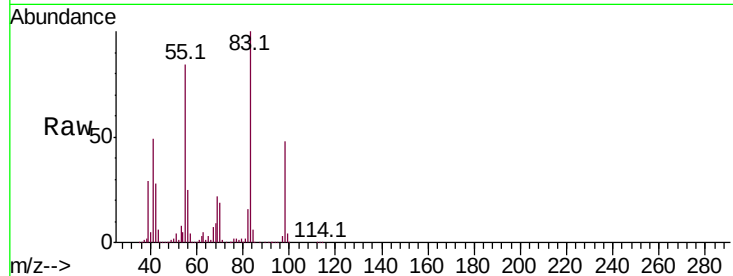




#39
Methylvlcyclohexane
Concen: 135.509 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

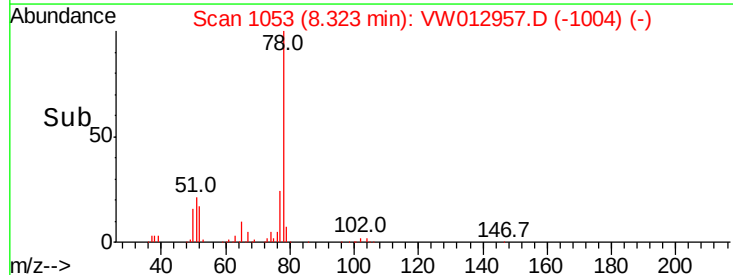
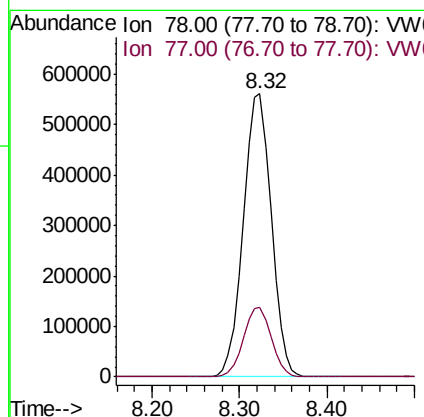
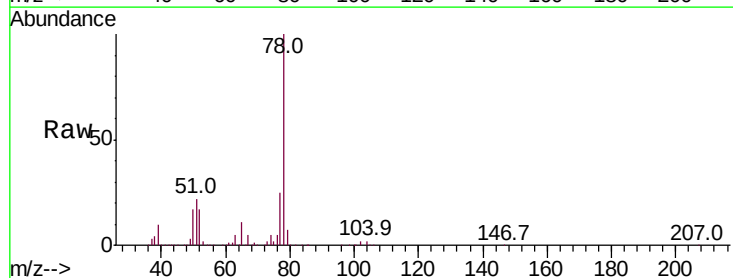
Instrument :
MSVOA_W
ClientSampleId :

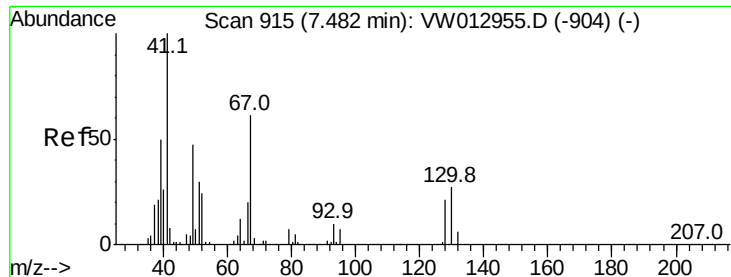
Tot Ion	Ratio	Lower	Upper
83	100		
55	83.8	65.9	98.9
98	48.0	39.6	59.4



#40
Benzene
Concen: 133.828 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.6	29.4

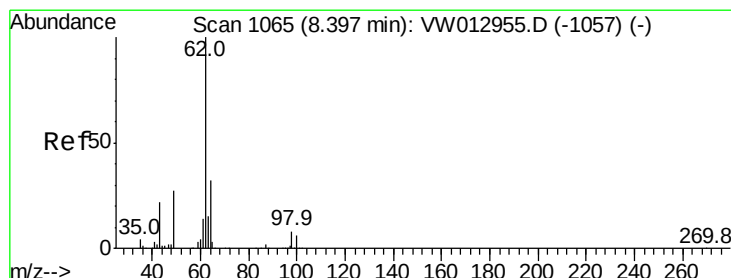
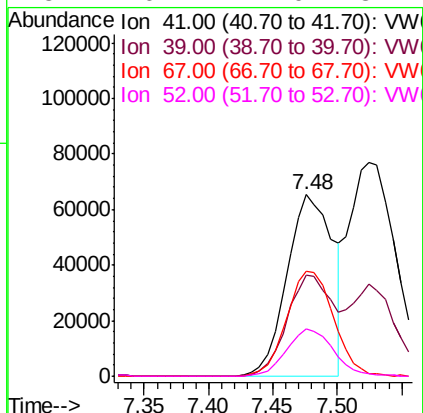
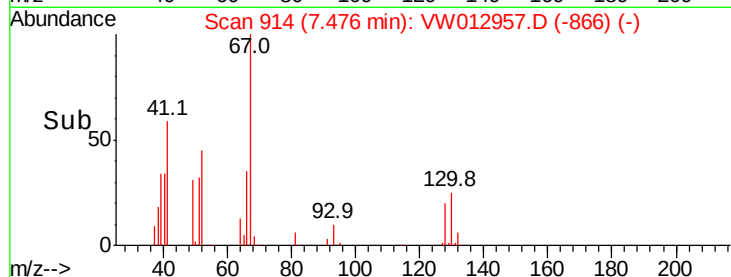
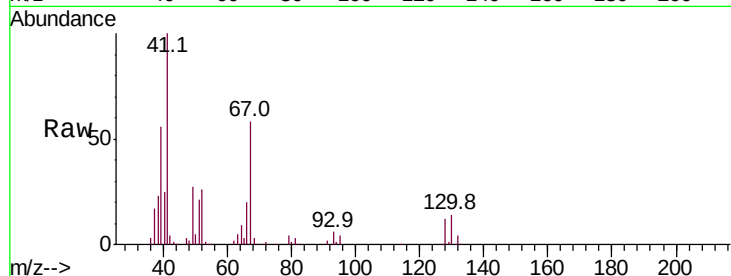




#41
Methacrylonitrile
Concen: 138.649 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

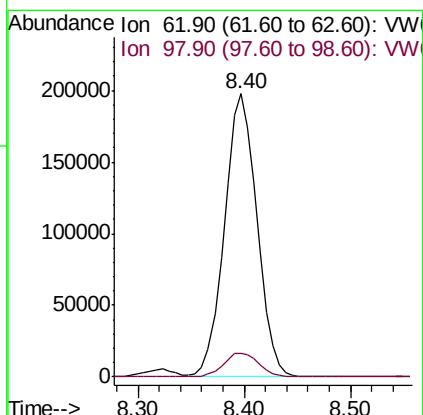
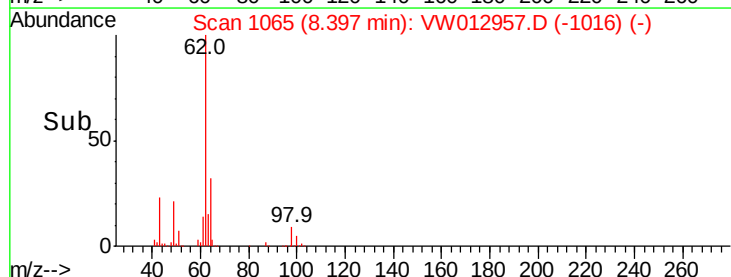
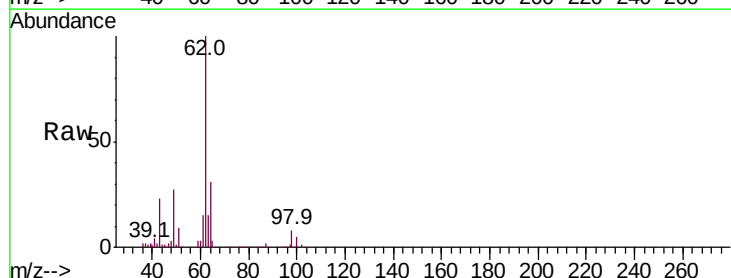
Instrument :
MSVOA_W
ClientSampled :

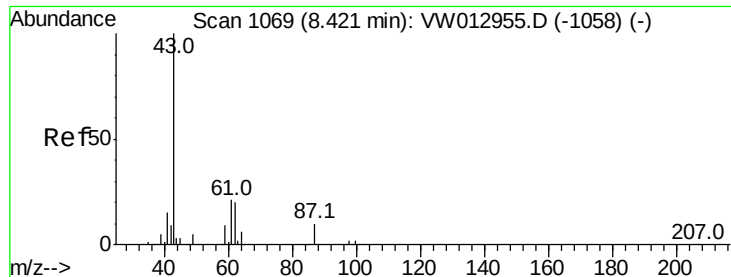
Tot Ion:	41	Resp:	161686
Ion	Ratio	Lower	Upper
41	100		
39	55.1	48.2	72.4
67	59.0	47.5	71.3
52	26.7	21.0	31.4



#42
1,2-Dichloroethane
Concen: 135.027 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Tgt Ion:	62	Resp:	421570
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	16.8





#43

Isopropyl Acetate

Concen: 145.161 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

Instrument :

MSVOA_W

ClientSampleId :

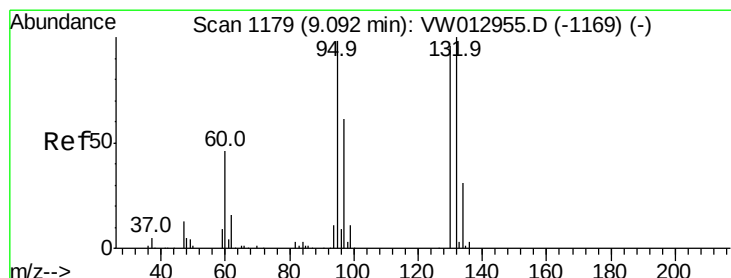
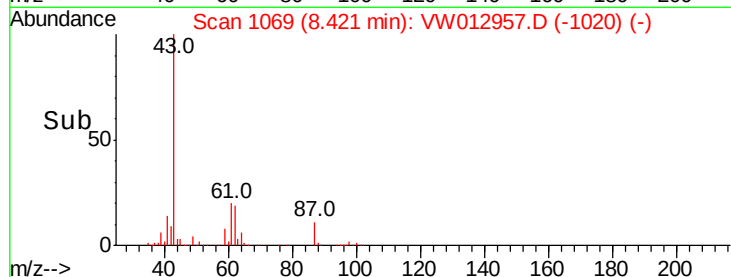
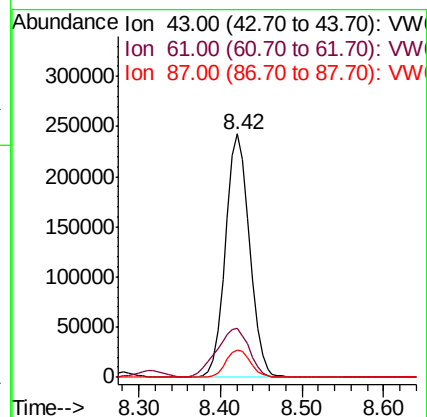
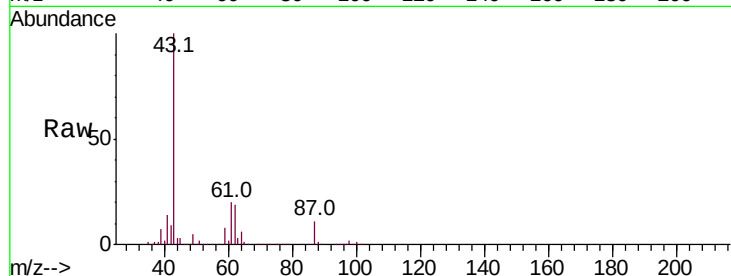
Tot Ion: 43 Resp: 493555

Ion Ratio Lower Upper

43 100

61 27.6 22.7 34.1

87 11.7 9.4 14.2



#44

Trichloroethene

Concen: 134.107 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012957.D

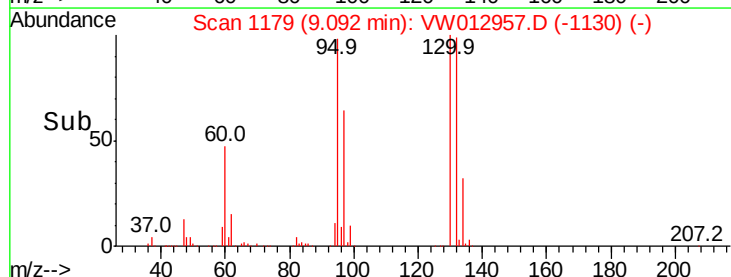
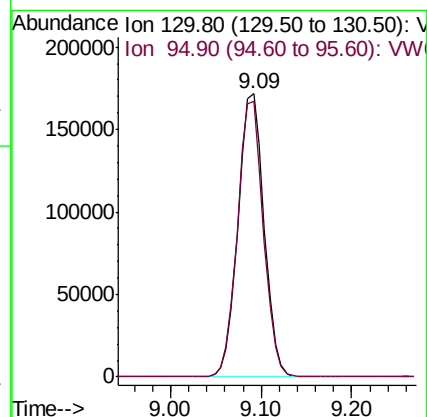
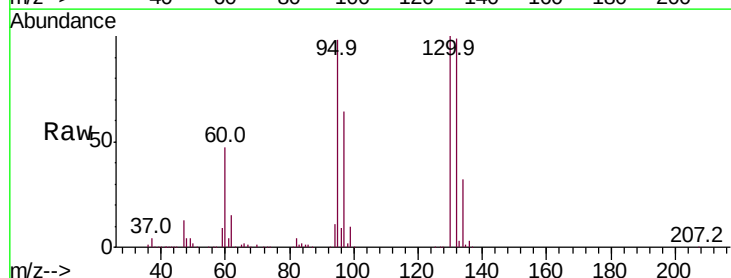
Acq: 13 Sep 2019 16:16

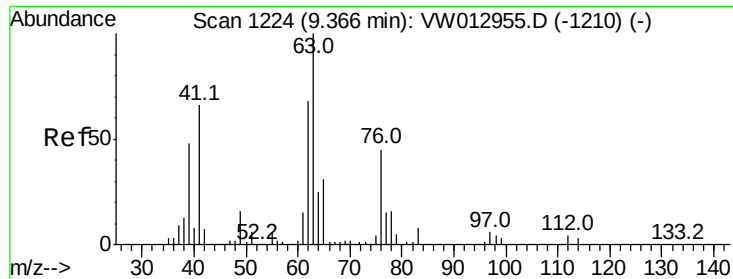
Tgt Ion:130 Resp: 342117

Ion Ratio Lower Upper

130 100

95 97.5 0.0 204.4

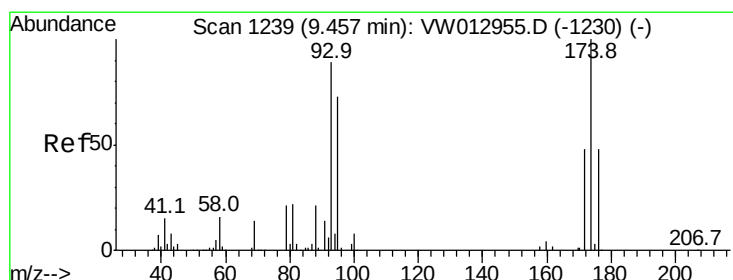
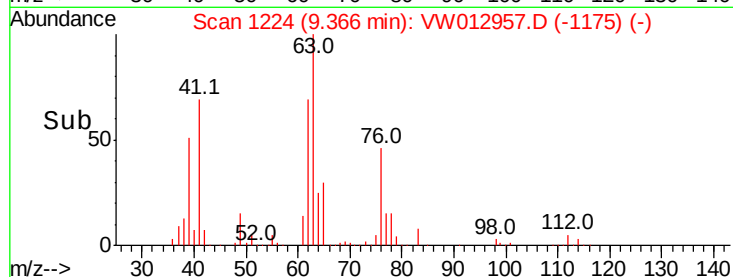
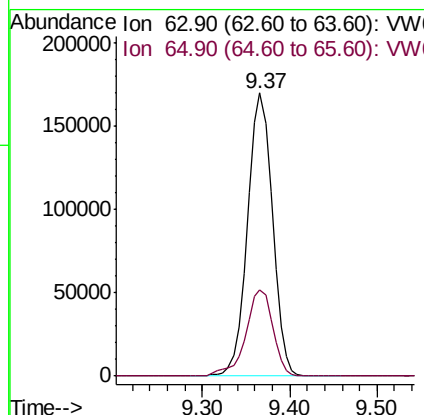
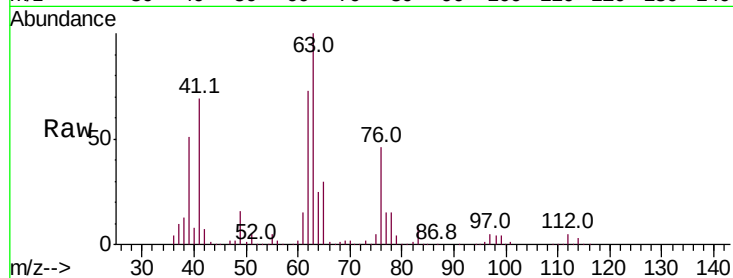




#45
 1,2-Dichloropropane
 Concen: 135.872 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

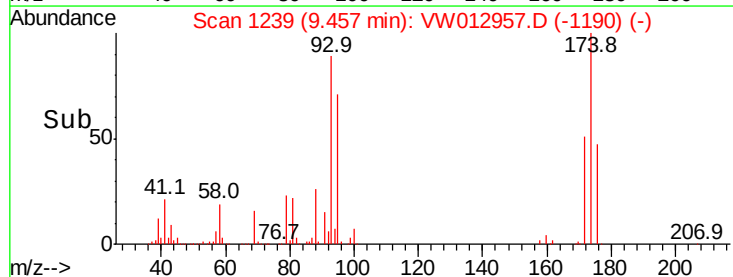
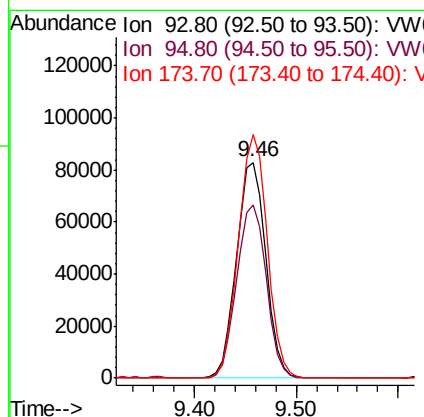
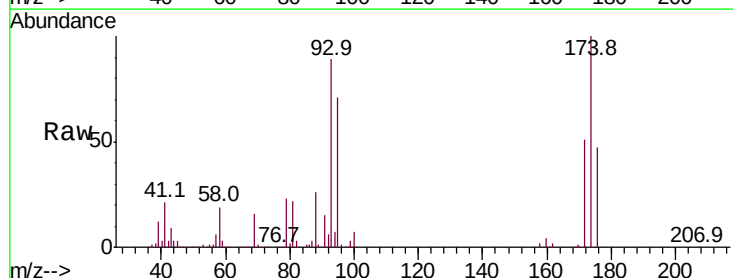
Instrument :
 MSVOA_W
 ClientSampleId :

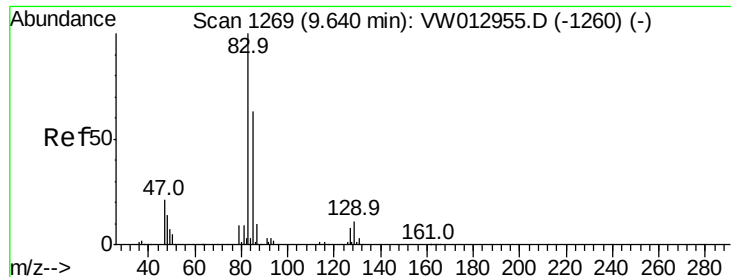
Tot Ion: 63 Resp: 336212
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.6 37.0



#46
 Dibromomethane
 Concen: 138.471 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

Tgt Ion: 93 Resp: 164160
 Ion Ratio Lower Upper
 93 100
 95 81.5 67.0 100.4
 174 111.6 90.5 135.7





#47

Bromodichloromethane

Concen: 141.683 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

Instrument :

MSVOA_W

ClientSampleId :

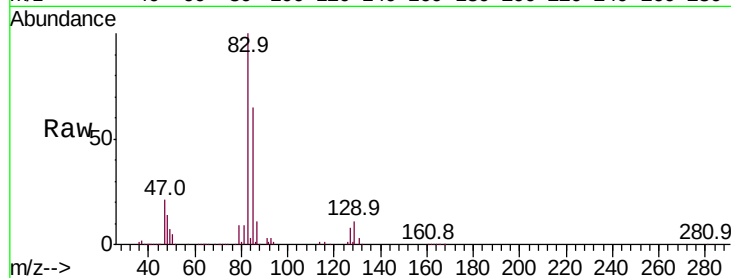
Tot Ion: 83 Resp: 471152

Ion Ratio Lower Upper

83 100

85 65.1 50.6 75.8

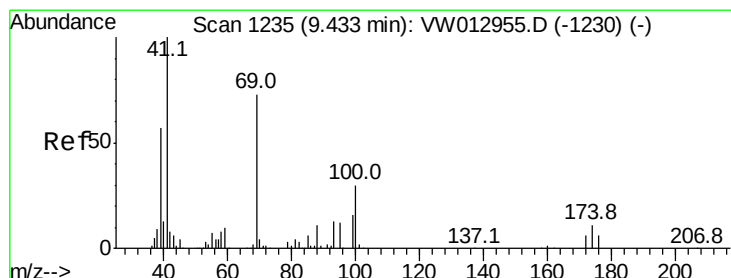
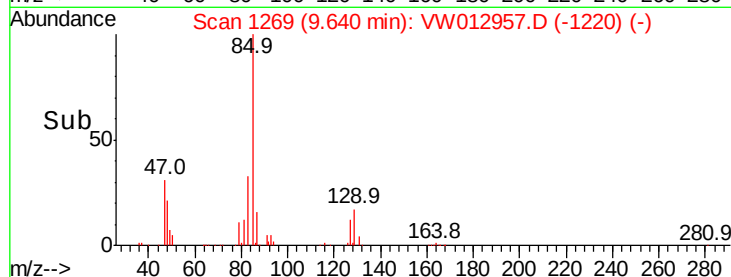
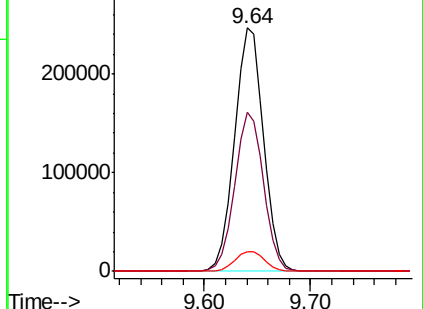
127 8.1 6.7 10.1



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): VW



#48

Methyl methacrylate

Concen: 150.627 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

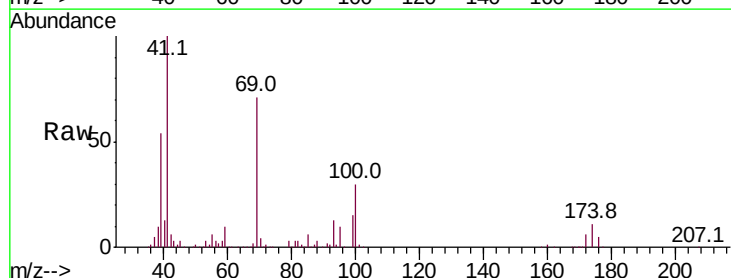
Tgt Ion: 41 Resp: 240356

Ion Ratio Lower Upper

41 100

69 75.8 62.8 94.2

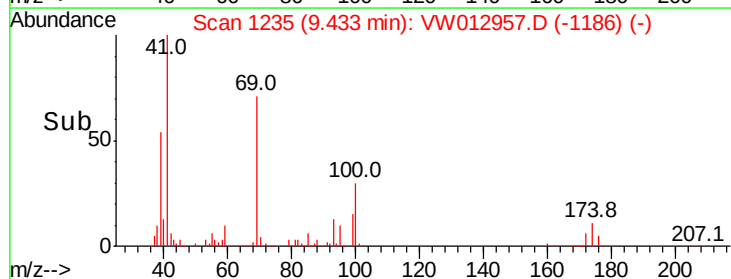
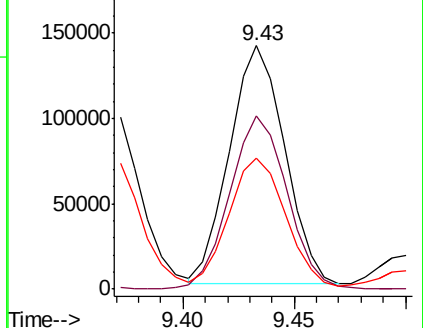
39 57.6 48.5 72.7

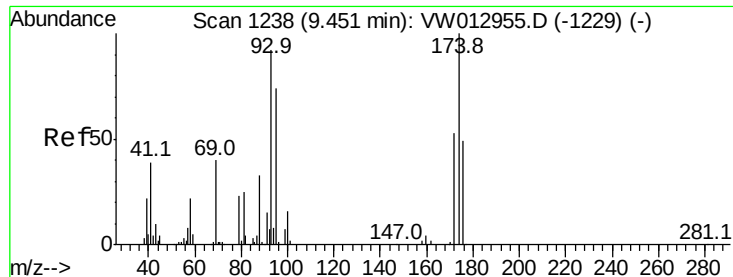


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 2779.574 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

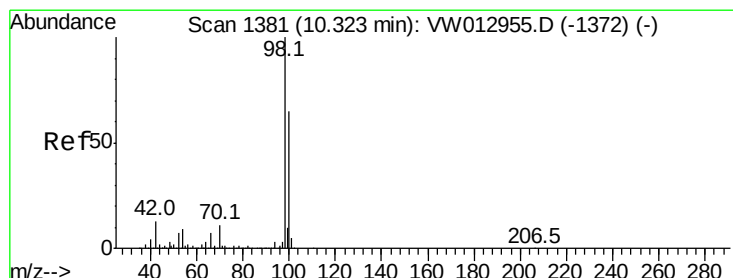
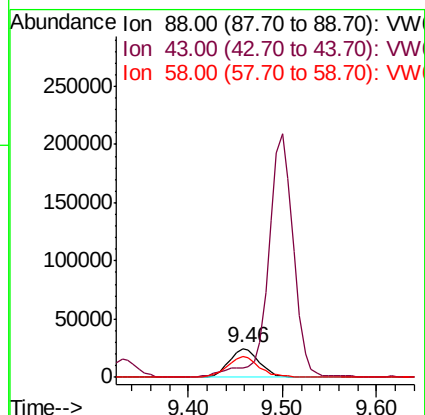
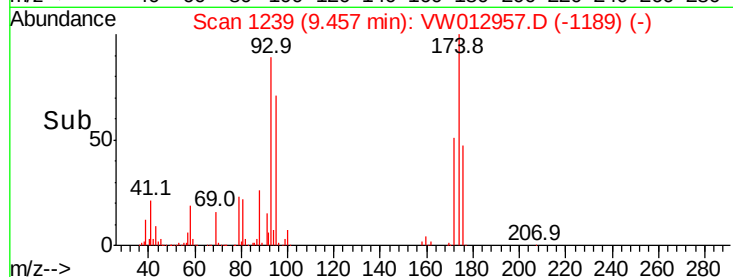
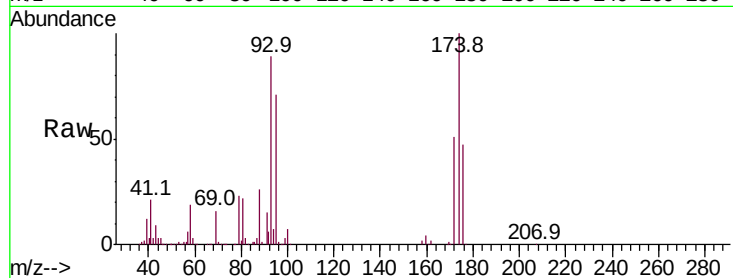
Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 88 Resp: 55216

Ion	Ratio	Lower	Upper
88	100		
43	0.0	31.3	46.9#
58	76.6	60.2	90.2



#50

Toluene-d8

Concen: 143.691 ug/l

RT: 10.32 min Scan# 1381

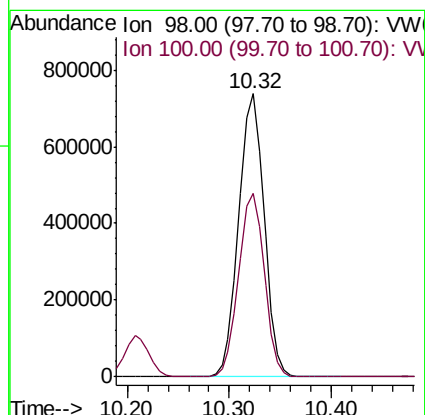
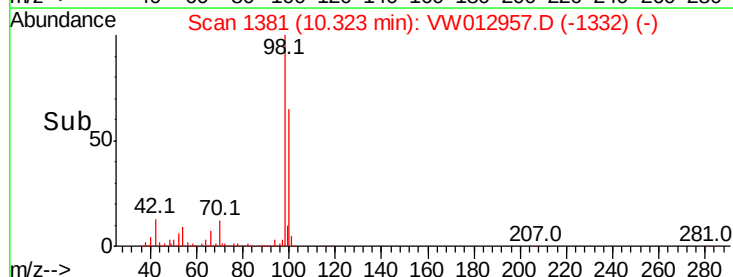
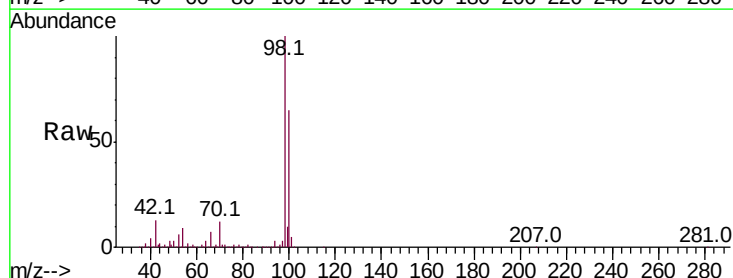
Delta R.T. -0.00 min

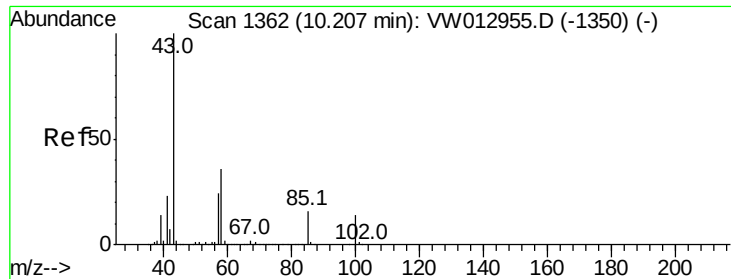
Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

Tgt Ion: 98 Resp: 1273803

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.1	78.1

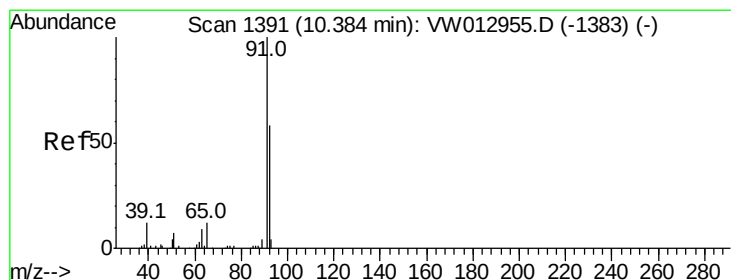
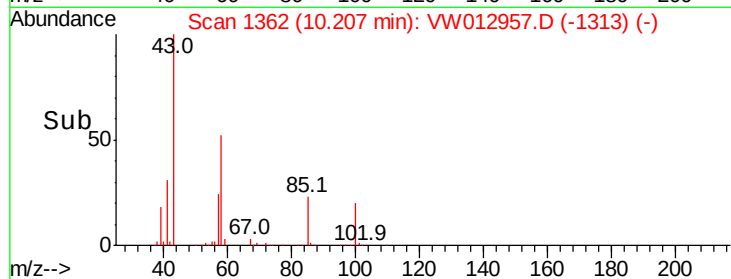
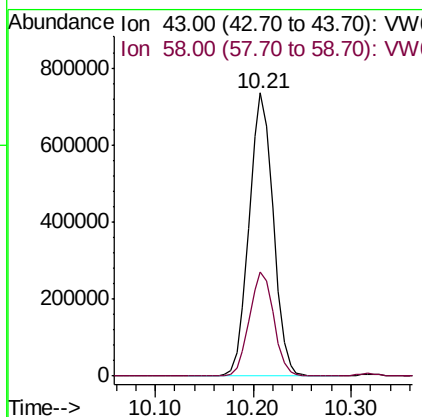
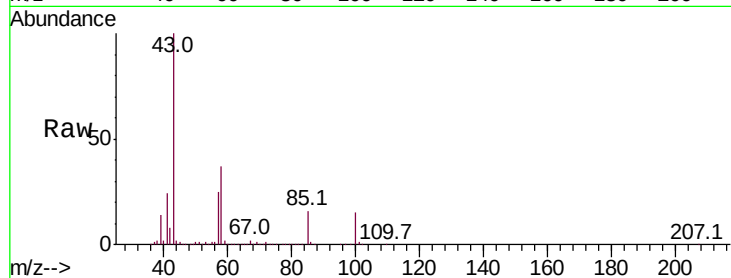




#51
4-Methyl-2-Pentanone
Concen: 716.247 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

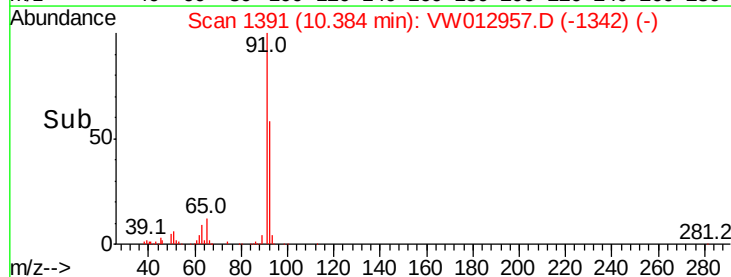
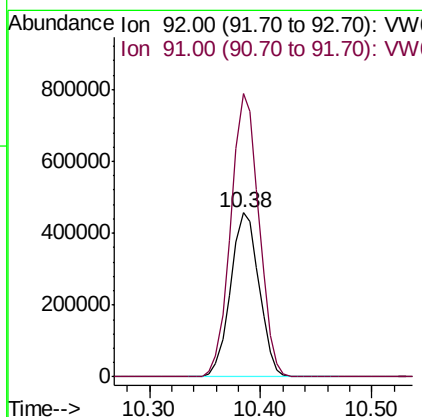
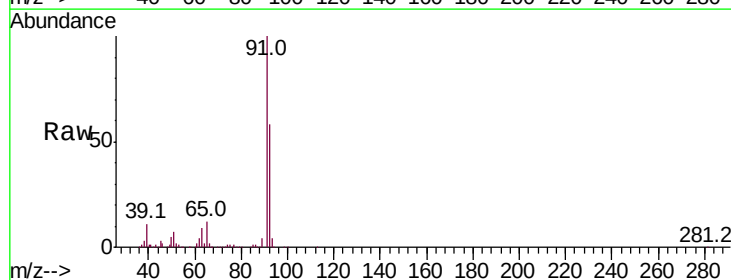
Instrument :
MSVOA_W
ClientSampled :

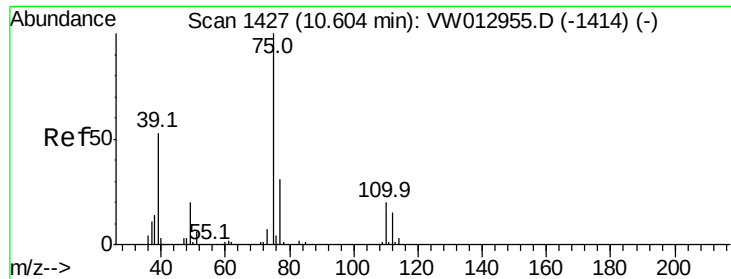
Tot Ion: 43 Resp: 1257275
Ion Ratio Lower Upper
43 100
58 37.2 29.5 44.3



#52
Toluene
Concen: 136.844 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Tgt Ion: 92 Resp: 809874
Ion Ratio Lower Upper
92 100
91 170.2 137.5 206.3





#53

t-1,3-Dichloropropene

Concen: 147.521 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

Instrument :

MSVOA_W

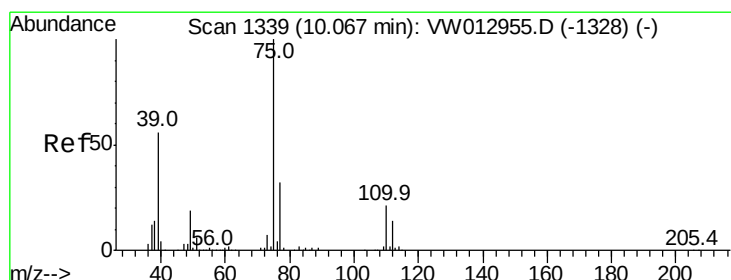
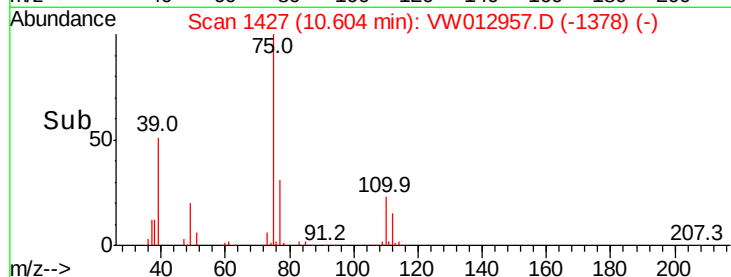
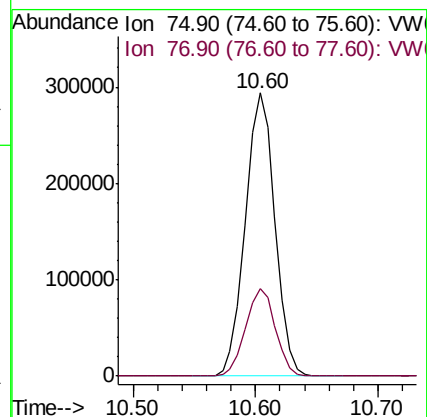
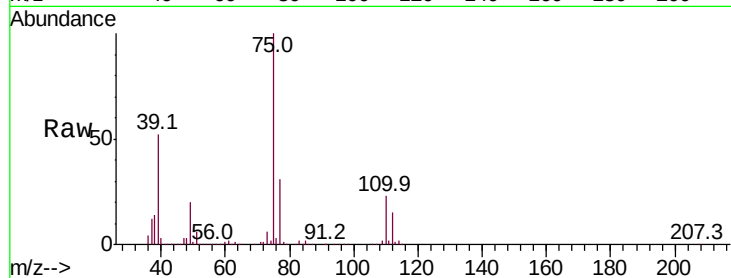
ClientSampleId :

Tot Ion: 75 Resp: 493369

Ion Ratio Lower Upper

75 100

77 30.8 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 145.148 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

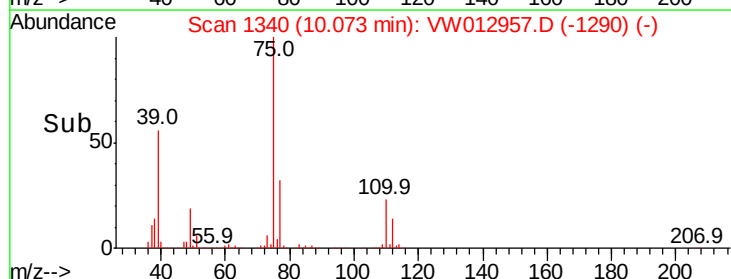
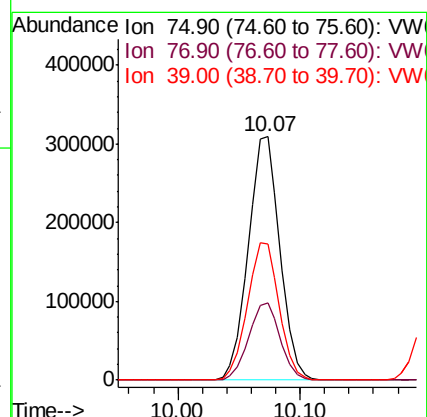
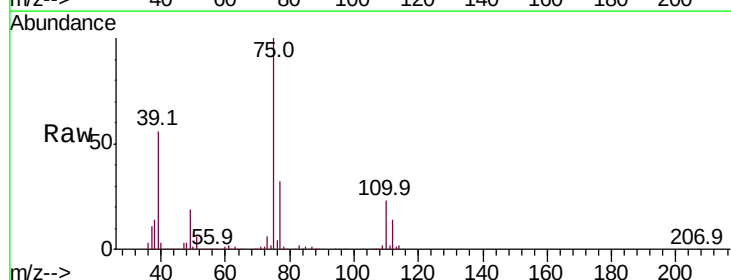
Tgt Ion: 75 Resp: 555430

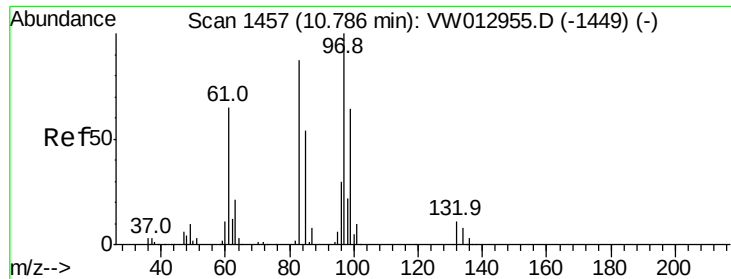
Ion Ratio Lower Upper

75 100

77 31.6 25.5 38.3

39 55.7 45.0 67.6

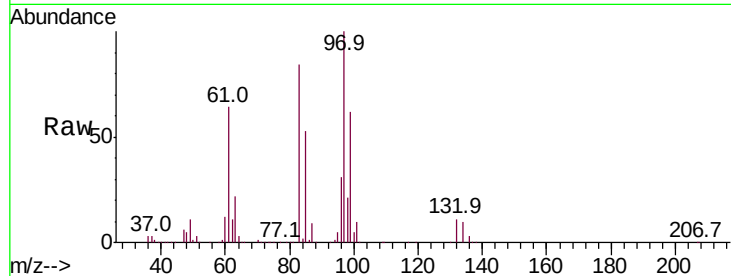




#55
 1,1,2-Trichloroethane
 Concen: 139.475 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	97	Resp:	251894
Ion	Ratio	Lower	Upper
97	100		
83	84.4	69.4	104.0
85	53.0	43.3	64.9
99	62.1	50.9	76.3



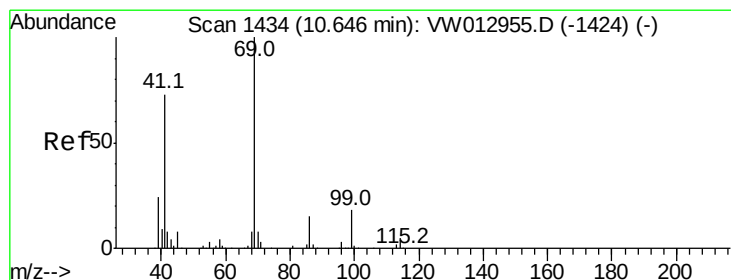
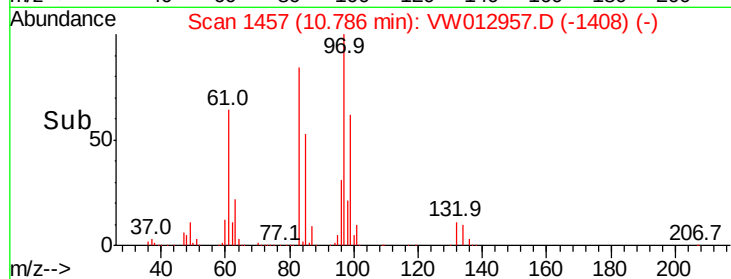
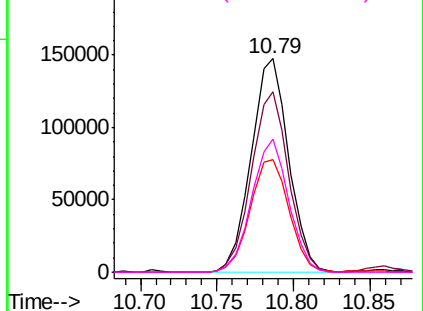
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

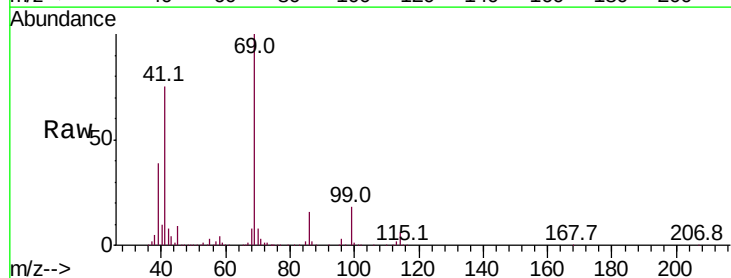
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 150.105 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

Tgt Ion:	69	Resp:	364896
Ion	Ratio	Lower	Upper
69	100		
41	75.7	60.8	91.2
39	35.0	29.4	44.0

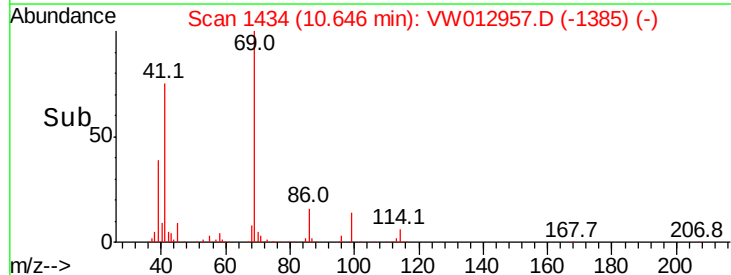
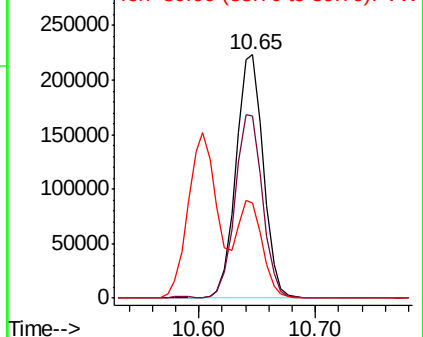


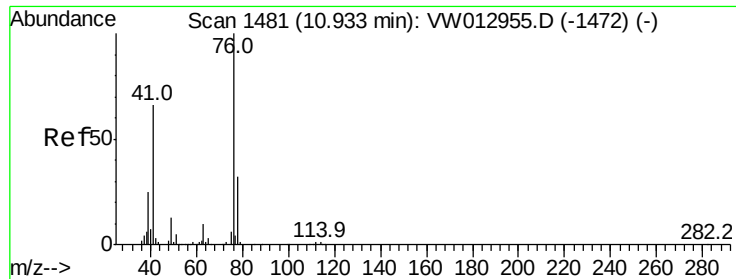
Abundance

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: 138.484 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

Instrument :

MSVOA_W

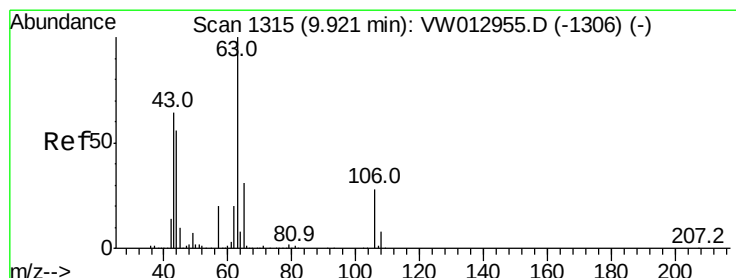
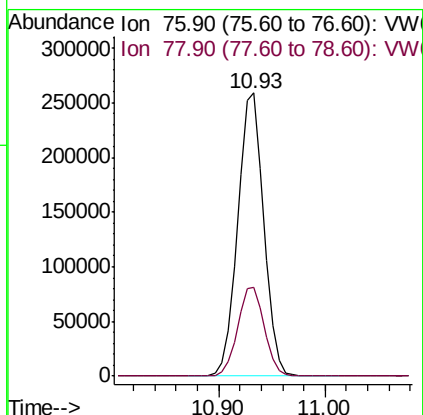
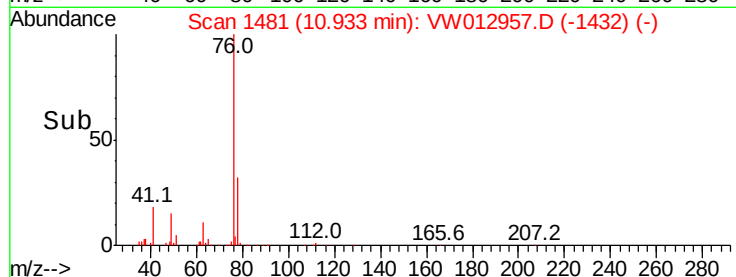
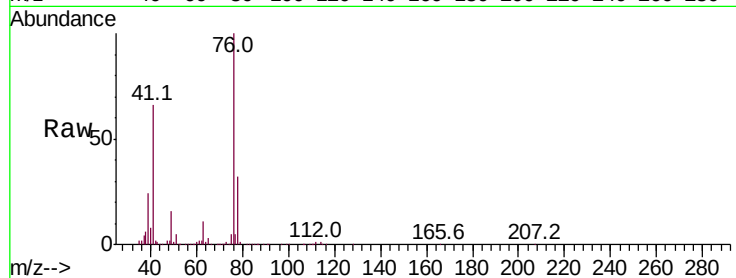
ClientSampleId :

Tot Ion: 76 Resp: 443663

Ion Ratio Lower Upper

76 100

78 32.3 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 764.984 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW012957.D

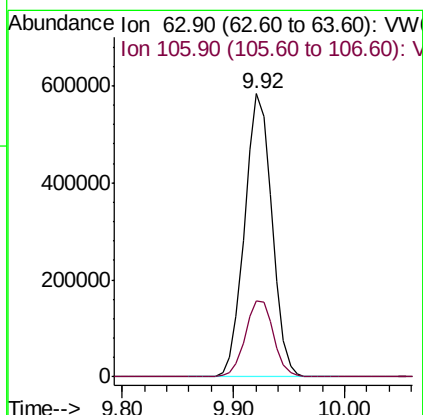
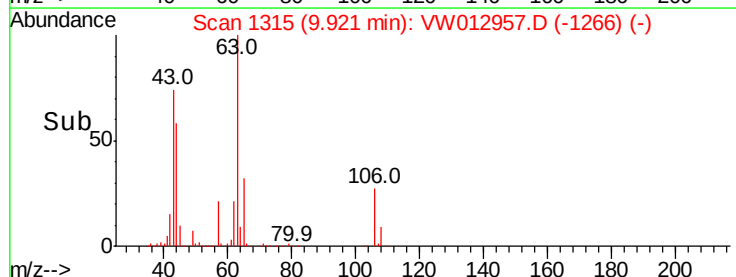
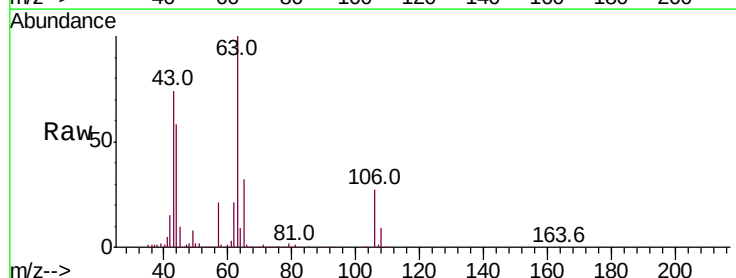
Acq: 13 Sep 2019 16:16

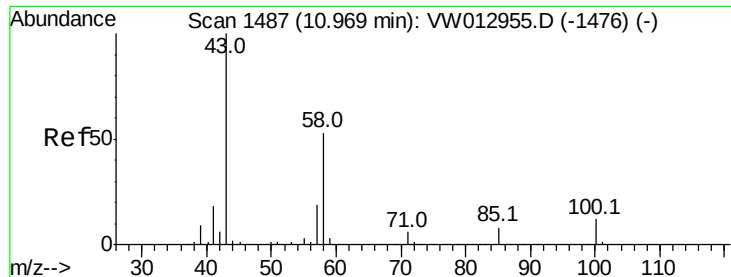
Tgt Ion: 63 Resp: 997564

Ion Ratio Lower Upper

63 100

106 27.8 22.2 33.2





#59

2-Hexanone

Concen: 712.754 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

Instrument :

MSVOA_W

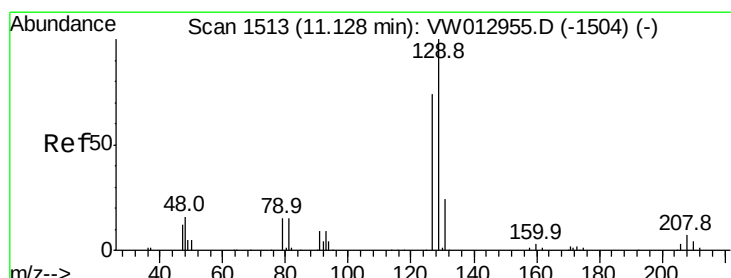
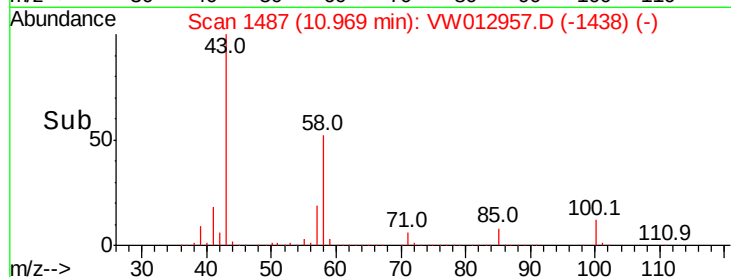
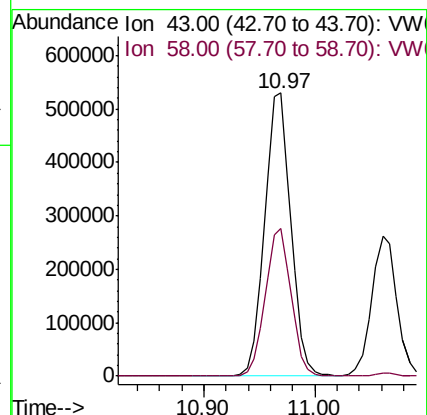
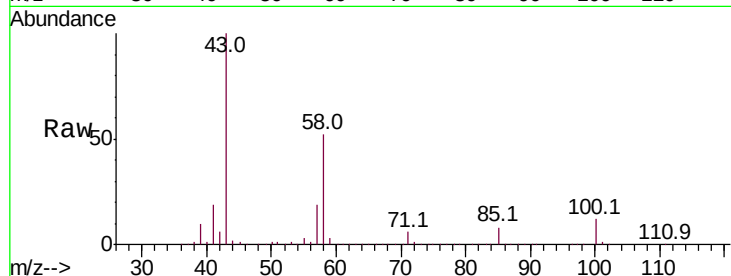
ClientSampleId :

Tot Ion: 43 Resp: 871184

Ion Ratio Lower Upper

43 100

58 51.6 25.8 77.3



#60

Dibromochloromethane

Concen: 143.499 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW012957.D

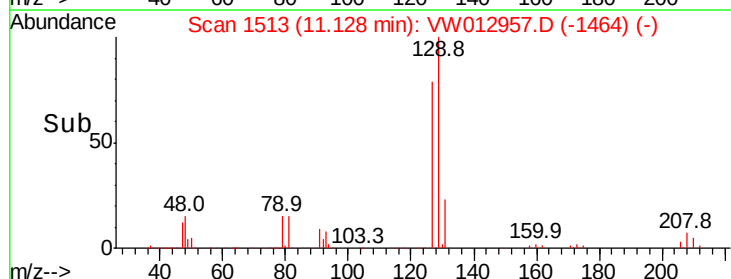
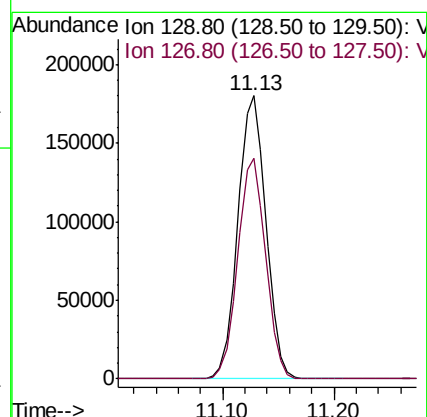
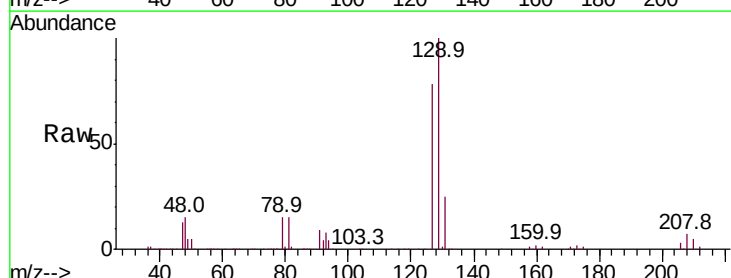
Acq: 13 Sep 2019 16:16

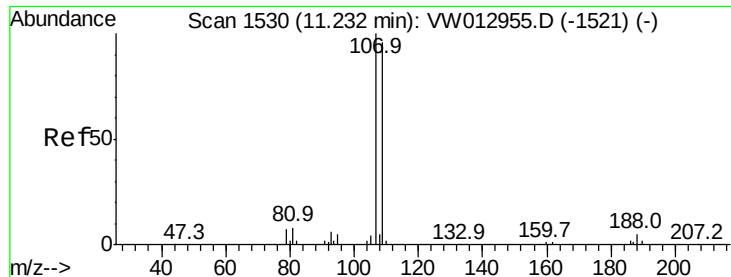
Tgt Ion: 129 Resp: 313323

Ion Ratio Lower Upper

129 100

127 77.5 37.4 112.2

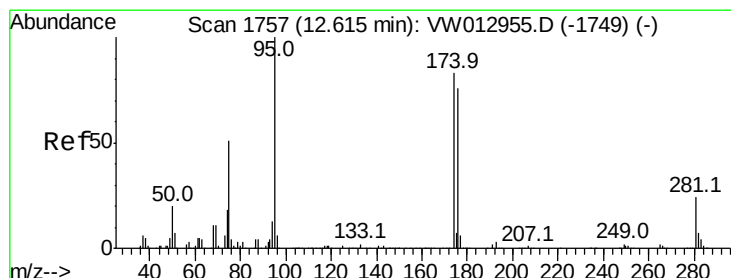
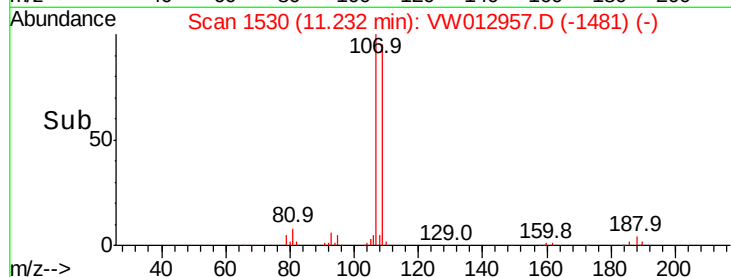
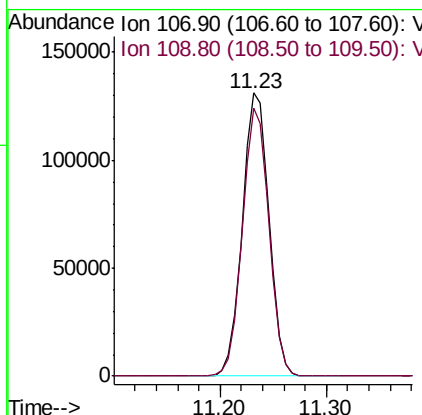
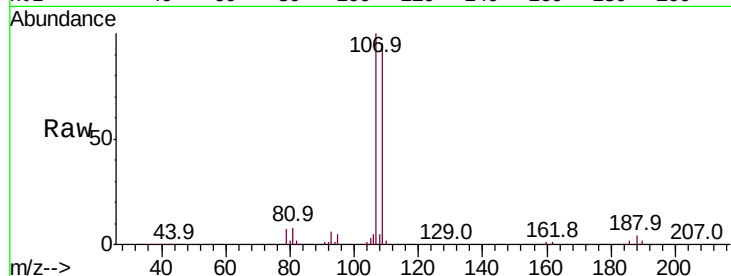




#61
 1,2-Dibromoethane
 Concen: 140.396 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

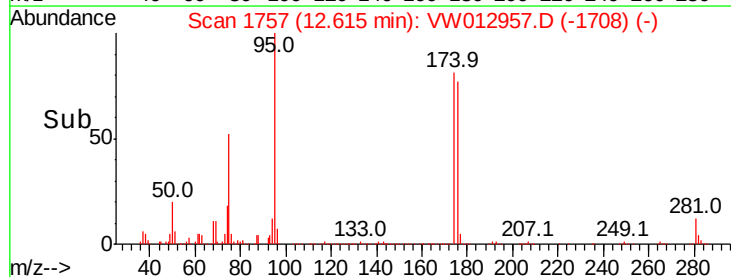
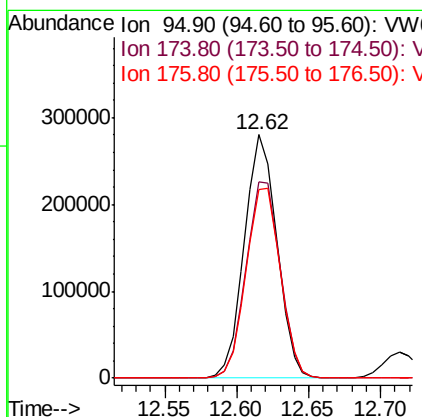
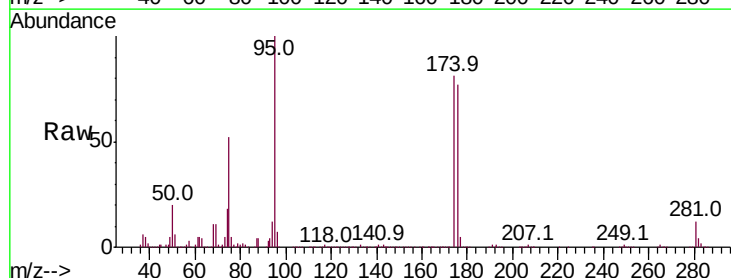
Instrument :
 MSVOA_W
 ClientSampled :

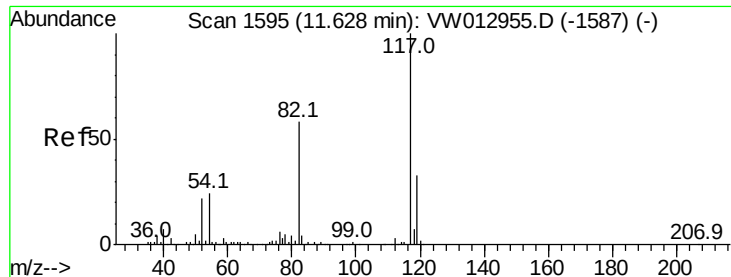
Tot Ion:107 Resp: 231304
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 137.883 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

Tgt Ion: 95 Resp: 439519
 Ion Ratio Lower Upper
 95 100
 174 84.5 0.0 170.4
 176 81.9 0.0 164.6

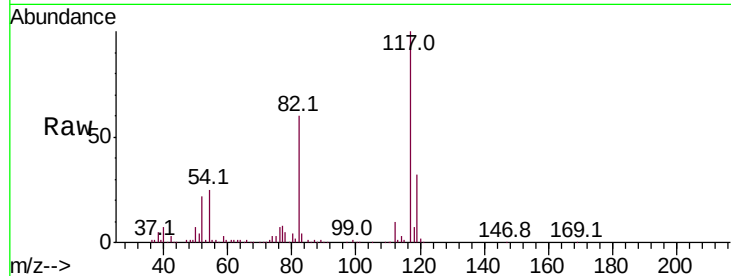




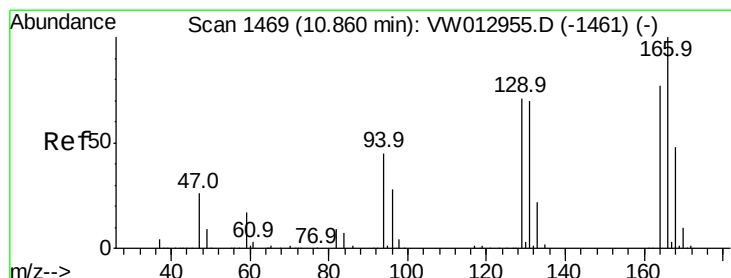
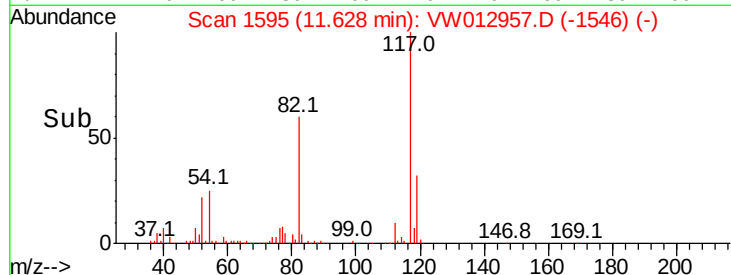
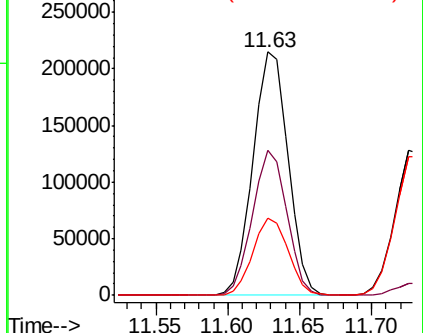
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 362605
Ion Ratio Lower Upper
117 100
82 59.8 46.3 69.5
119 31.9 26.2 39.4

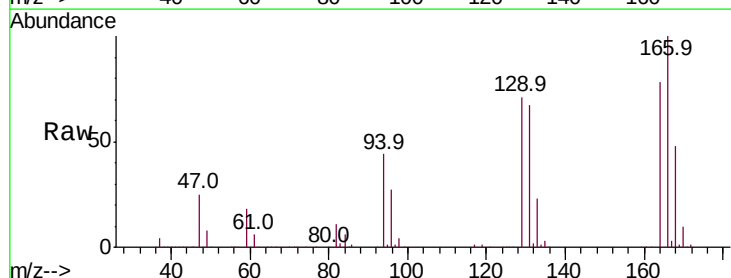


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

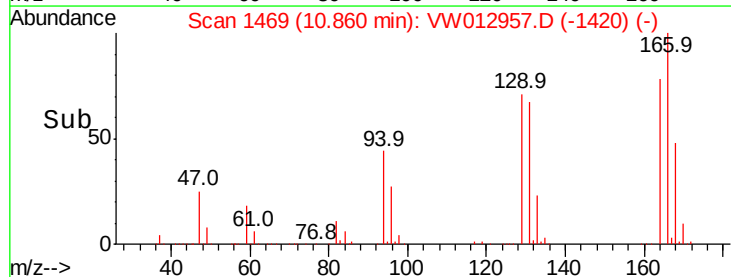
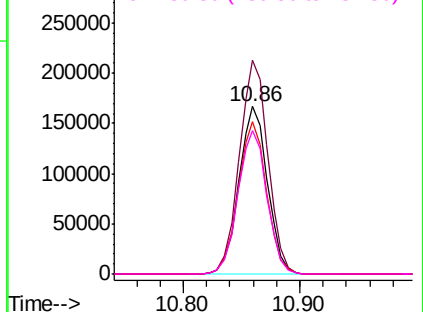


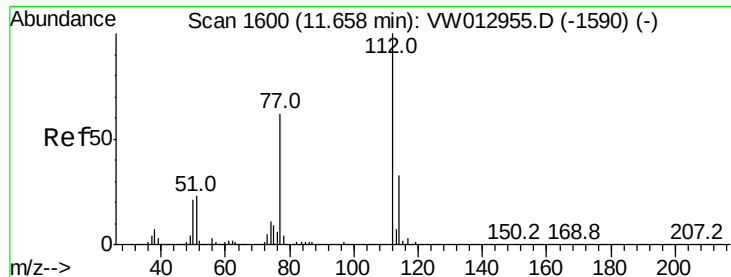
#64
Tetrachloroethene
Concen: 131.756 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Tgt Ion:164 Resp: 284217
Ion Ratio Lower Upper
164 100
166 127.4 103.3 154.9
129 90.8 73.8 110.8
131 85.8 72.0 108.0



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

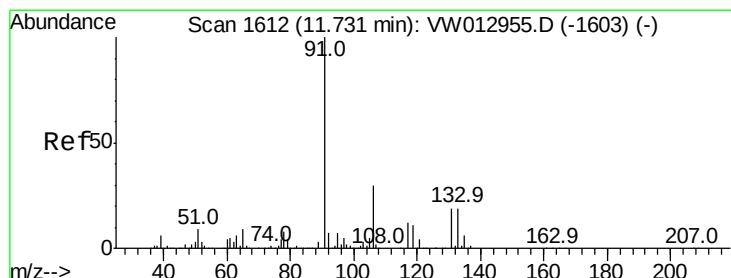
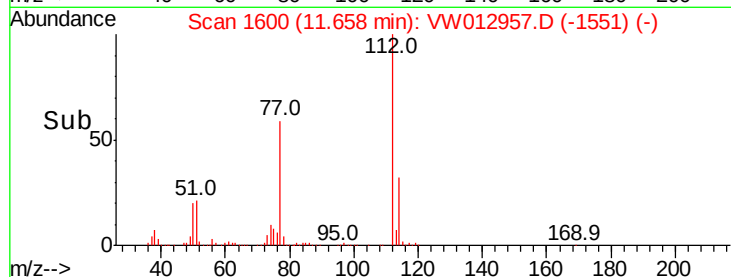
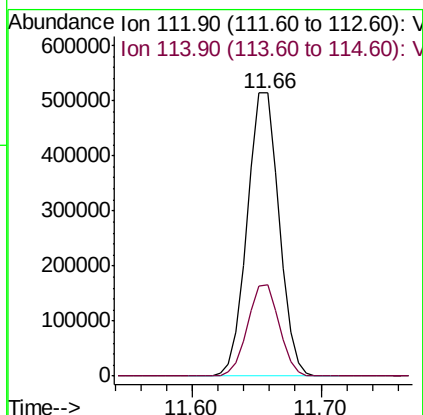
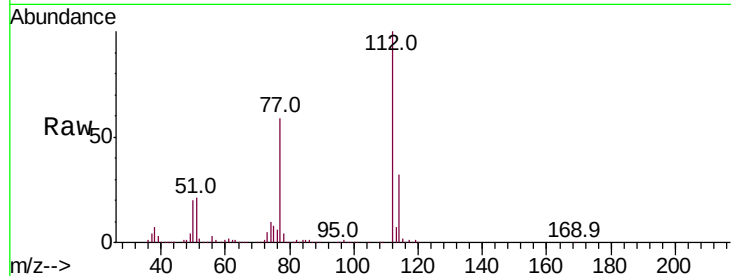




#65
Chlorobenzene
Concen: 135.699 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

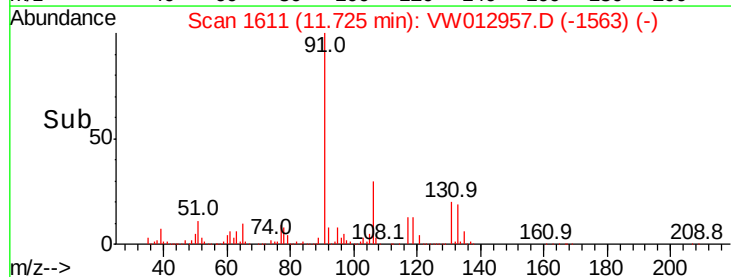
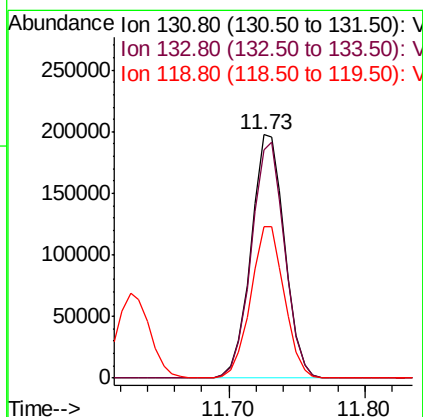
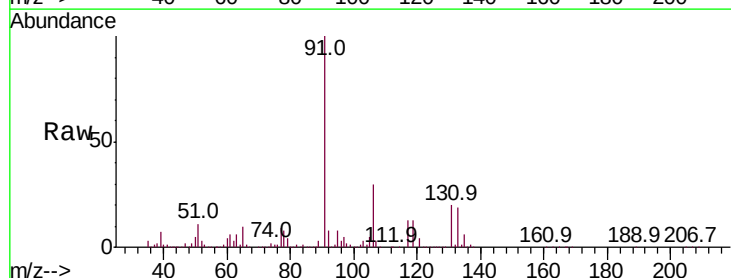
Instrument :
MSVOA_W
ClientSampled :

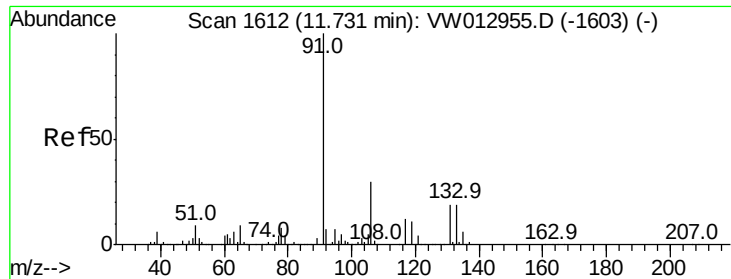
Tot Ion:112 Resp: 876458
Ion Ratio Lower Upper
112 100
114 32.1 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 137.829 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Tgt Ion:131 Resp: 341145
Ion Ratio Lower Upper
131 100
133 96.1 47.9 143.8
119 62.4 30.9 92.7

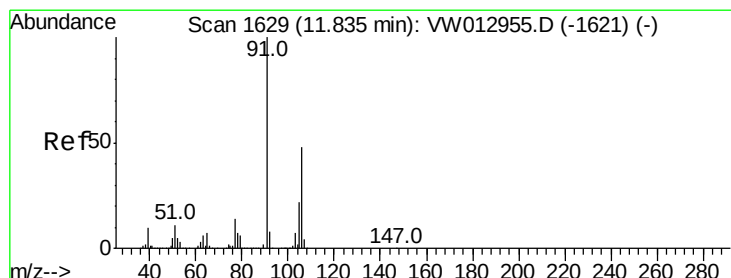
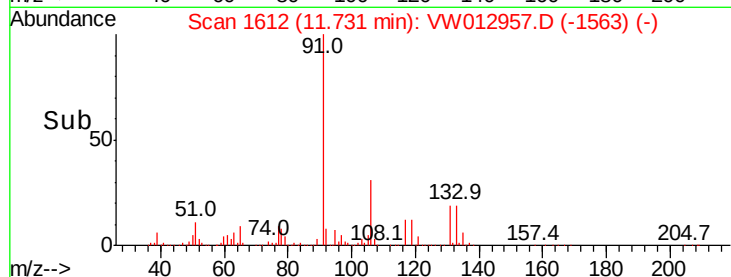
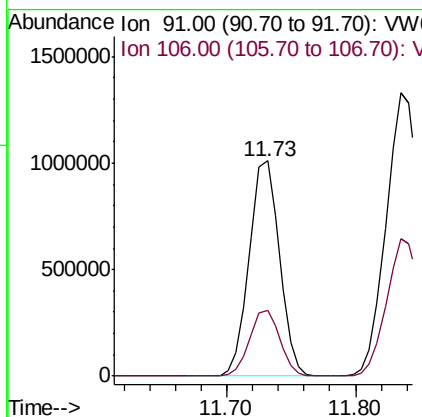
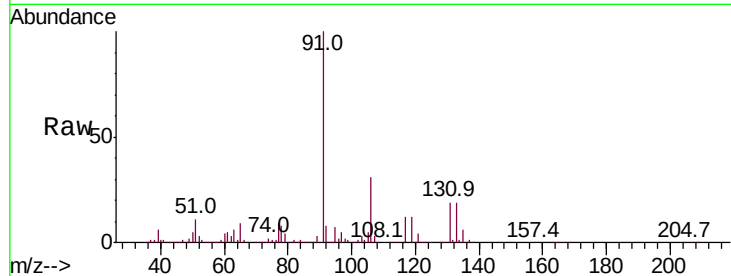




#67
Ethyl Benzene
Concen: 137.461 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

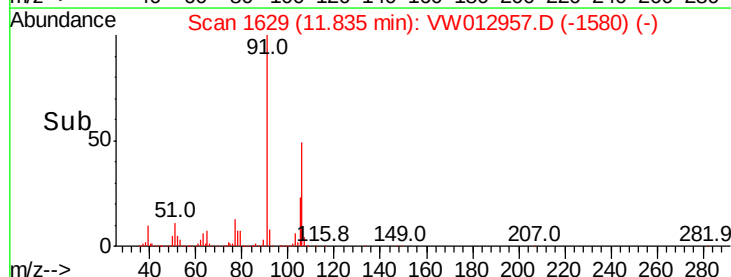
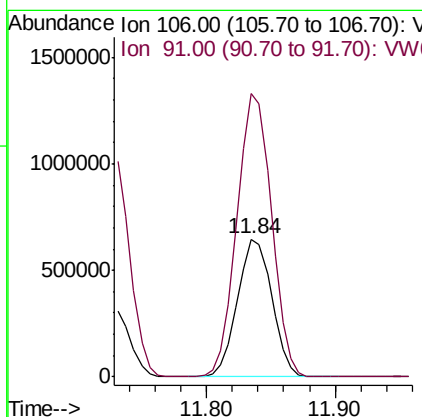
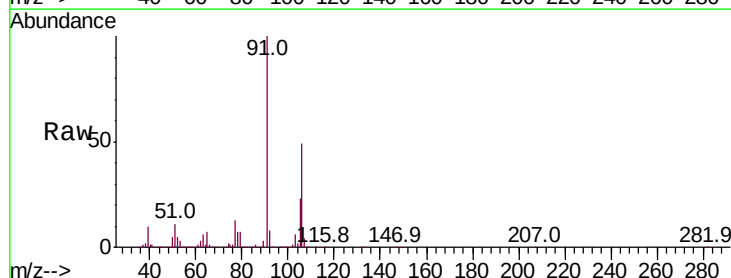
Instrument :
MSVOA_W
ClientSampled :

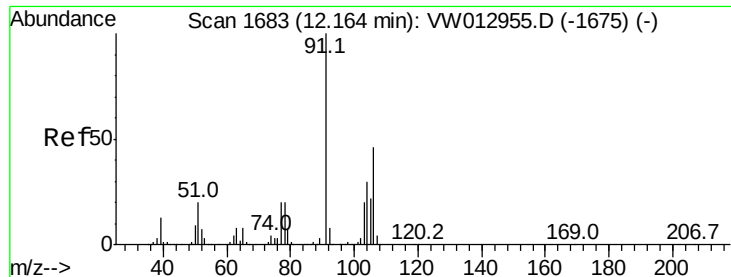
Tot Ion: 91 Resp: 1639723
Ion Ratio Lower Upper
91 100
106 30.6 24.3 36.5



#68
m/p-Xylenes
Concen: 275.415 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Tgt Ion:106 Resp: 1200179
Ion Ratio Lower Upper
106 100
91 206.3 165.8 248.8

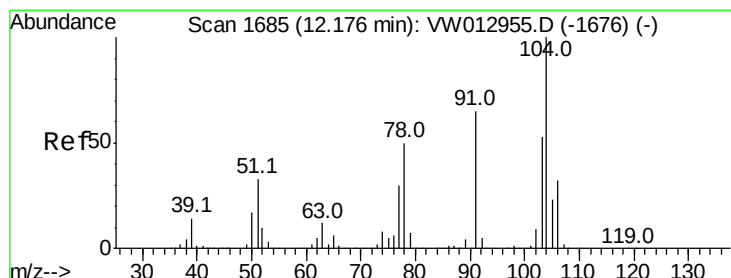
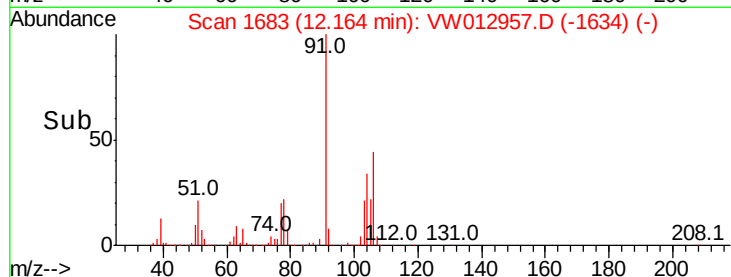
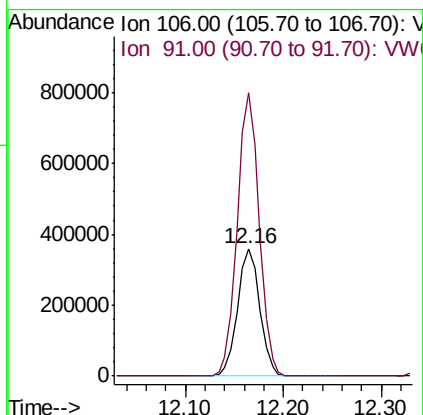
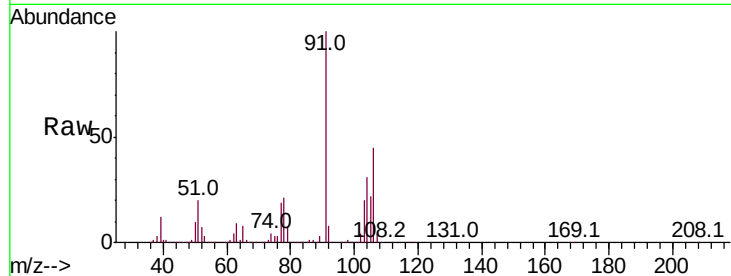




#69
o-Xylene
Concen: 138.850 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

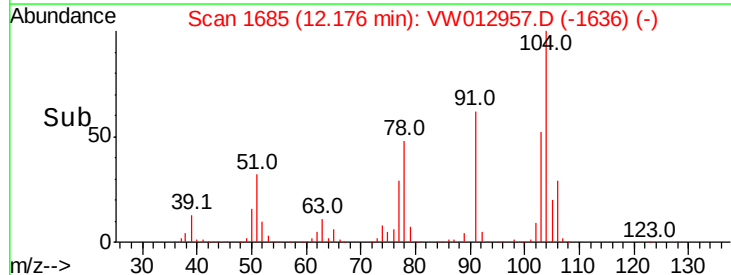
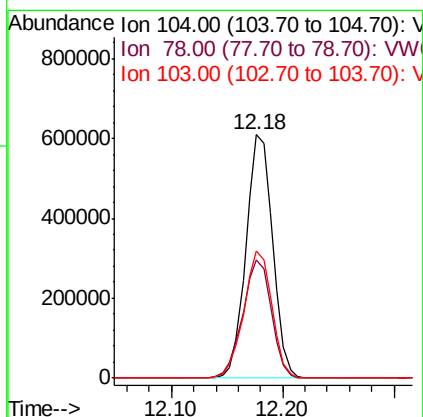
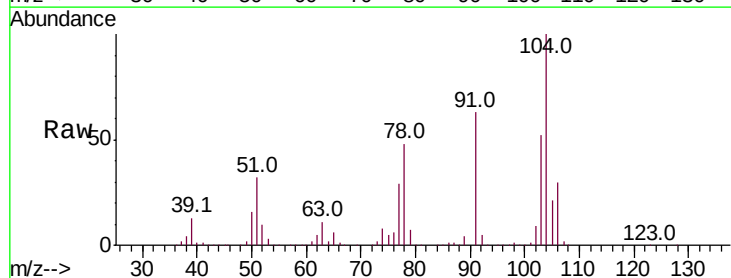
Instrument :
MSVOA_W
ClientSampled :

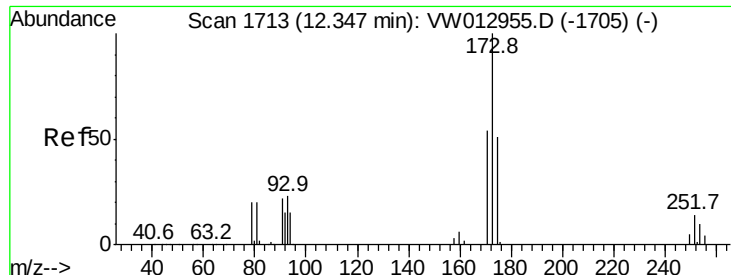
Tot Ion:106 Resp: 567261
Ion Ratio Lower Upper
106 100
91 219.8 109.7 329.0



#70
Styrene
Concen: 139.693 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Tgt Ion:104 Resp: 1015230
Ion Ratio Lower Upper
104 100
78 52.4 42.1 63.1
103 55.0 44.2 66.4





#71

Bromoform

Concen: 145.301 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

Instrument :

MSVOA_W

ClientSampled :

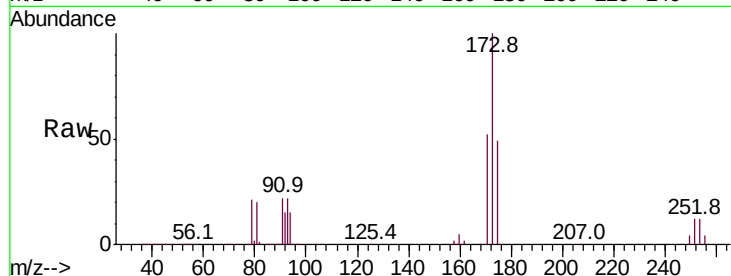
Tot Ion:173 Resp: 188907

Ion Ratio Lower Upper

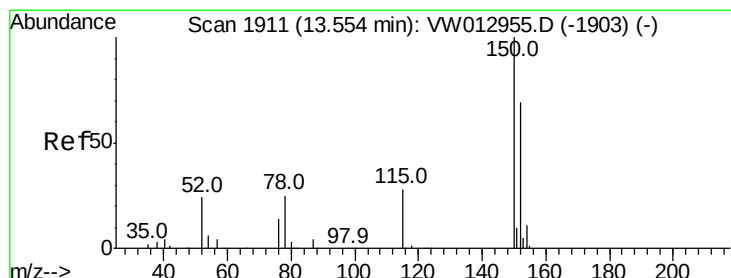
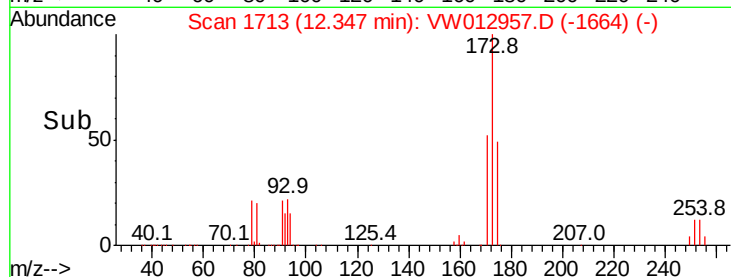
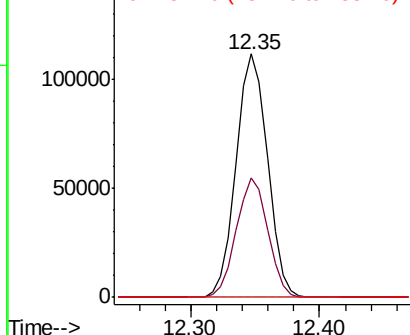
173 100

175 49.2 24.2 72.6

254 0.1 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: VW012957.D

Acq: 13 Sep 2019 16:16

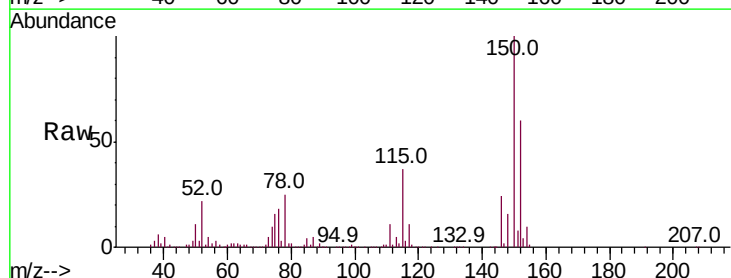
Tgt Ion:152 Resp: 174357

Ion Ratio Lower Upper

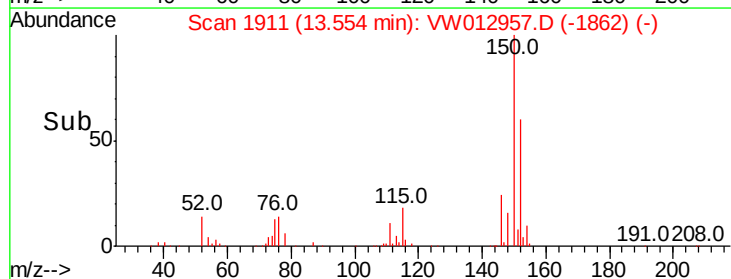
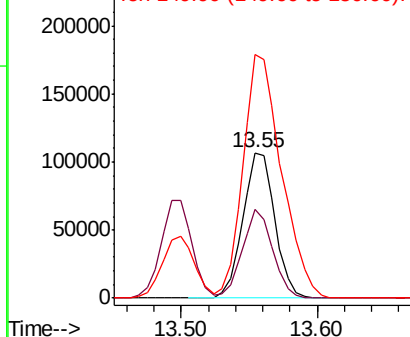
152 100

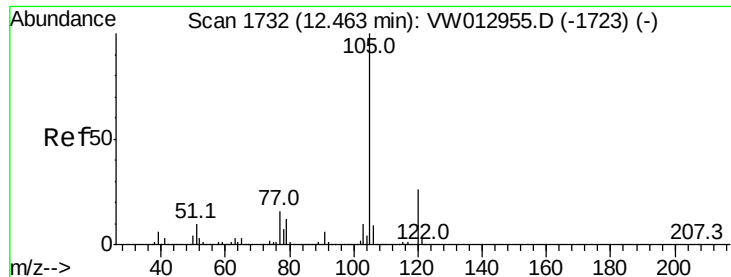
115 58.3 28.8 86.4

150 202.6 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

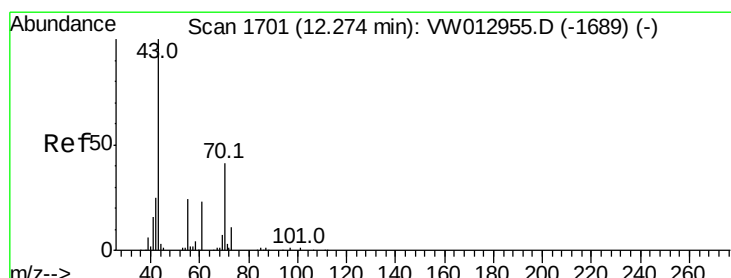
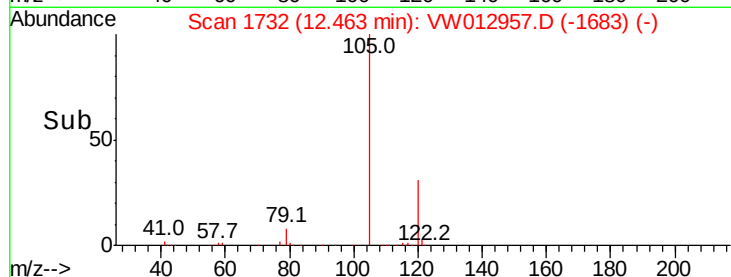
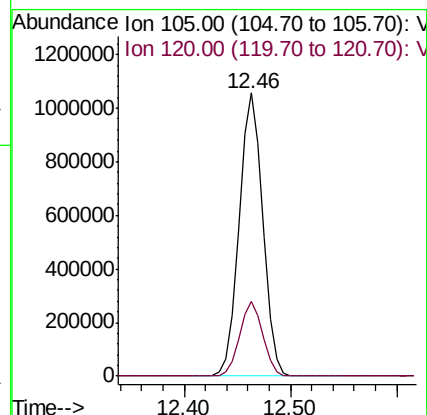
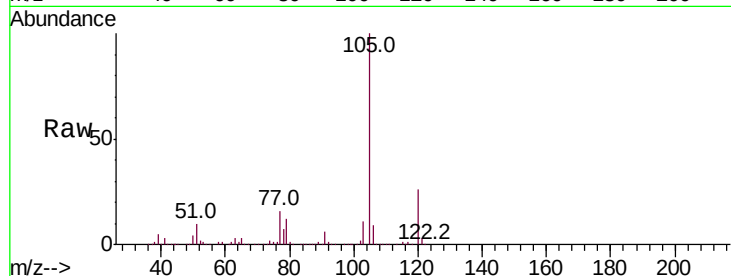




#73
Isopropylbenzene
Concen: 141.994 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

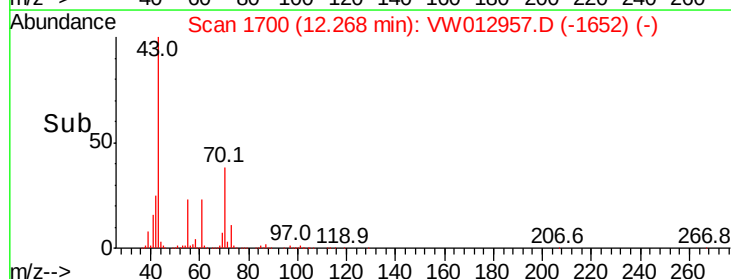
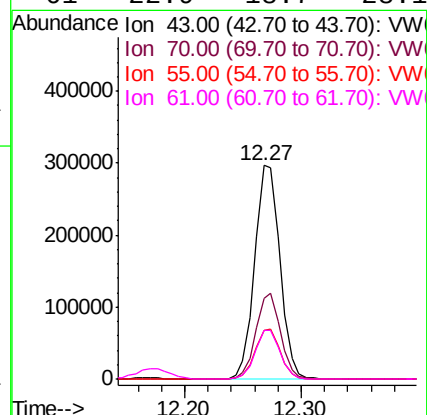
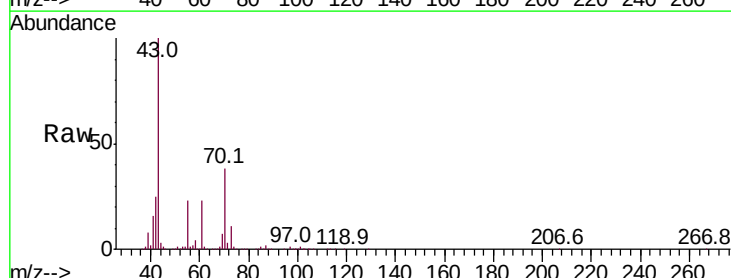
Instrument :
MSVOA_W
ClientSampleId :

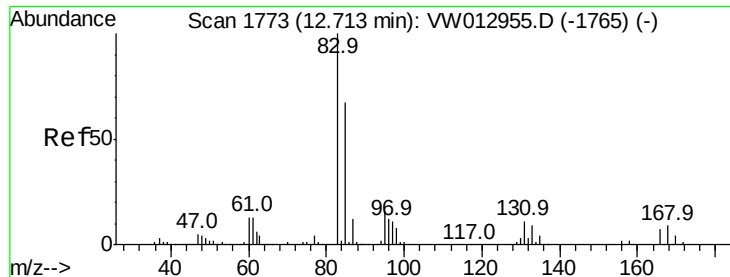
Tot Ion:105 Resp: 1640996
Ion Ratio Lower Upper
105 100
120 25.9 13.0 39.0



#74
N-ethyl acetate
Concen: 151.869 ug/l
RT: 12.27 min Scan# 1700
Delta R.T. -0.01 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Tgt Ion: 43 Resp: 451490
Ion Ratio Lower Upper
43 100
70 38.9 31.7 47.5
55 23.2 19.4 29.2
61 22.9 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 142.197 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

Instrument :

MSVOA_W

ClientSampleId :

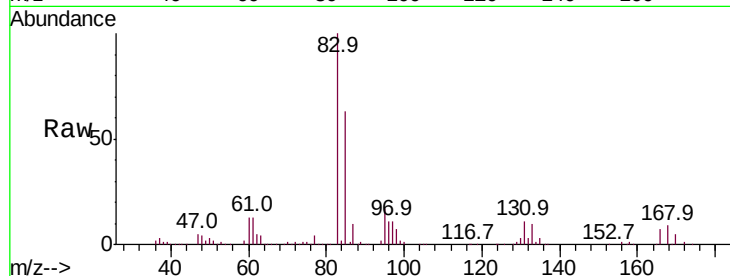
Tot Ion: 83 Resp: 288634

Ion Ratio Lower Upper

83 100

131 11.1 5.7 17.1

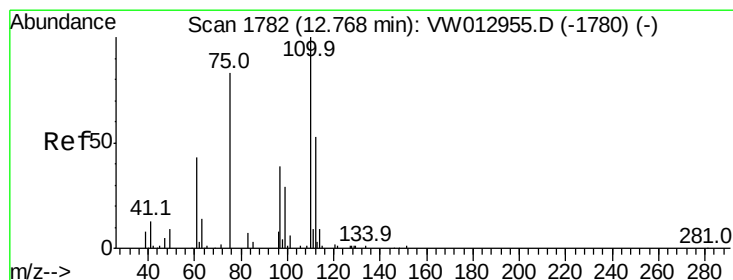
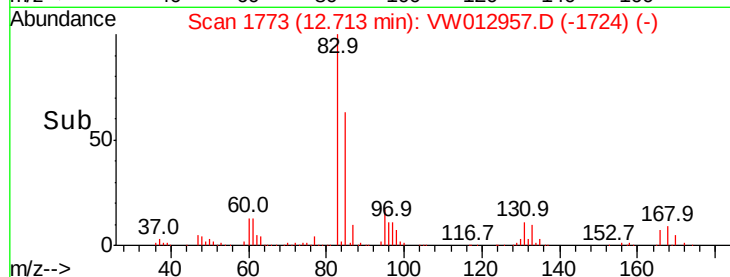
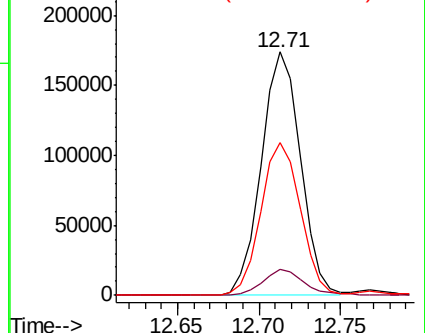
85 63.6 31.4 94.3



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 267.300 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012957.D

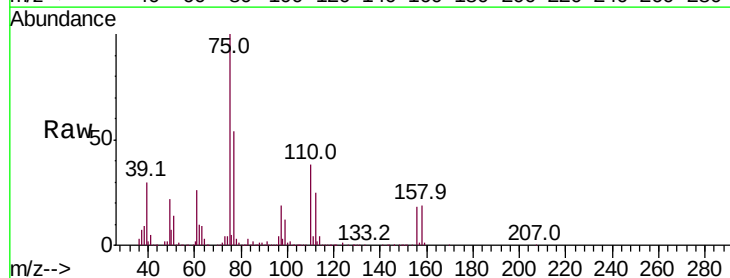
Acq: 13 Sep 2019 16:16

Tgt Ion: 75 Resp: 393237

Ion Ratio Lower Upper

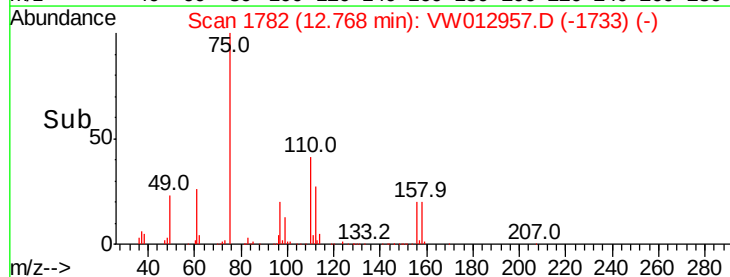
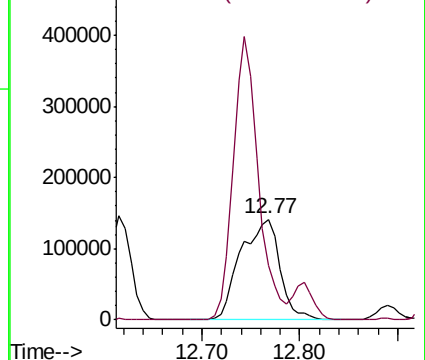
75 100

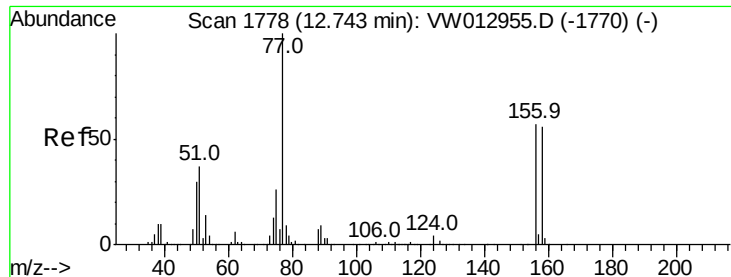
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 140.502 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

Instrument :

MSVOA_W

ClientSampleId :

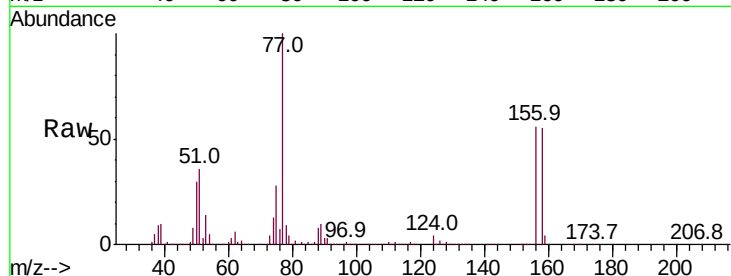
Tot Ion:156 Resp: 374074

Ion Ratio Lower Upper

156 100

77 190.5 95.2 285.6

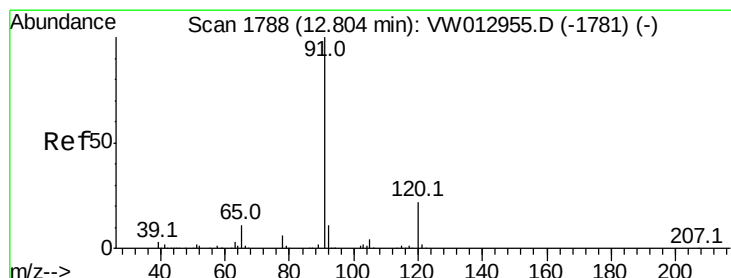
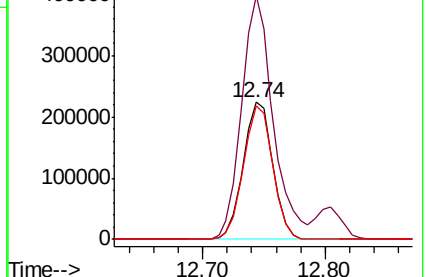
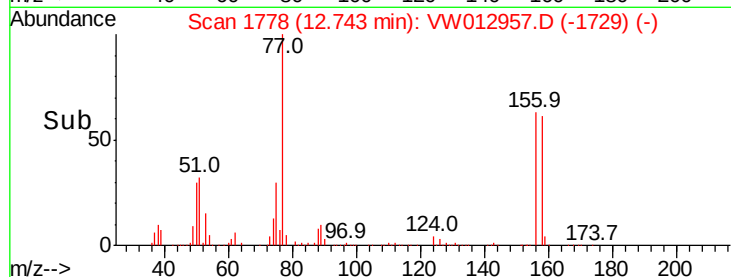
158 97.1 49.0 147.2



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: 141.283 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012957.D

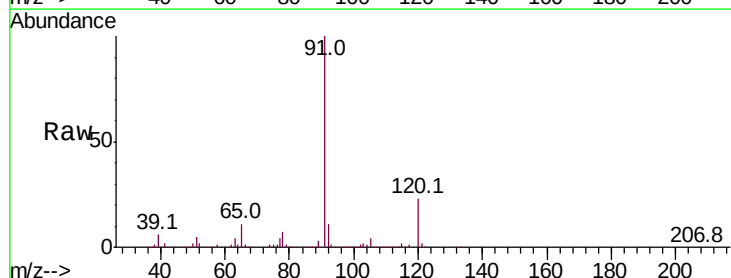
Acq: 13 Sep 2019 16:16

Tgt Ion: 91 Resp: 1920645

Ion Ratio Lower Upper

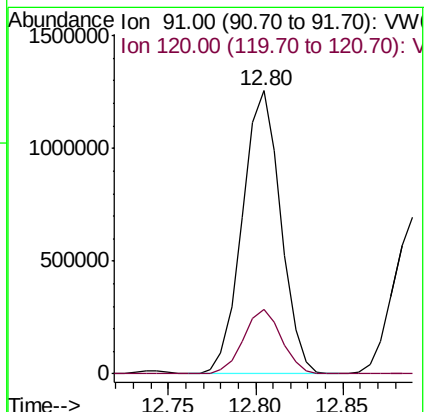
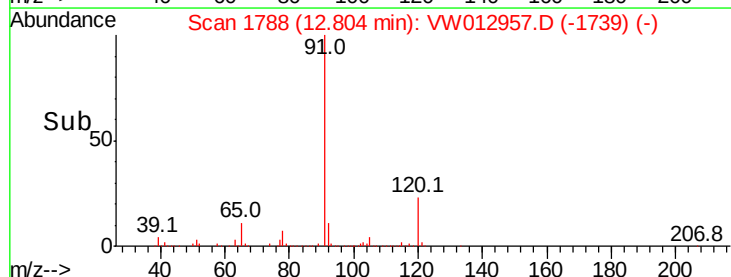
91 100

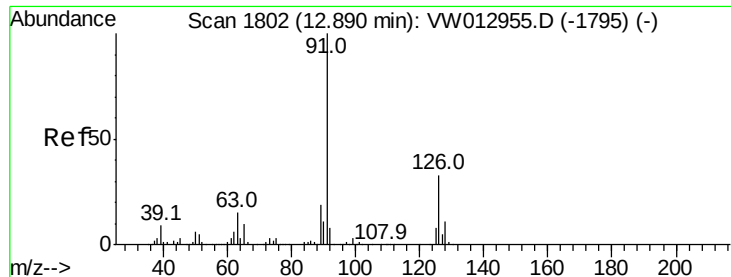
120 22.6 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 141.403 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

Instrument :

MSVOA_W

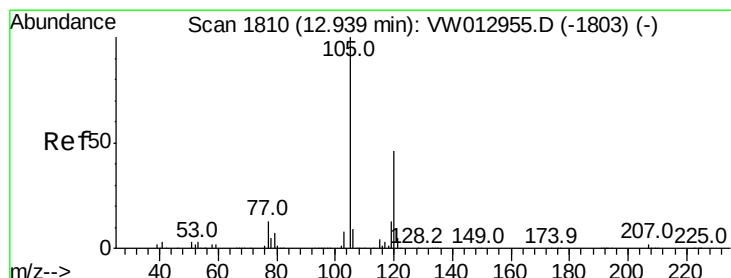
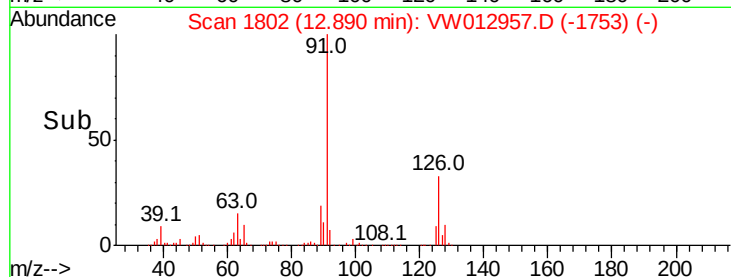
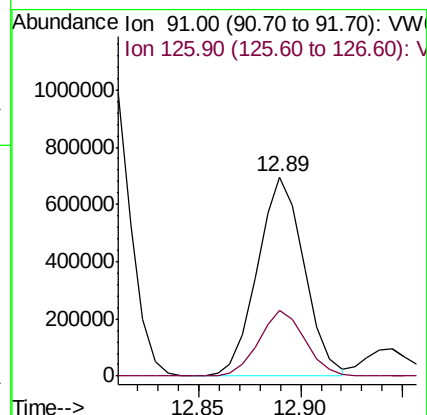
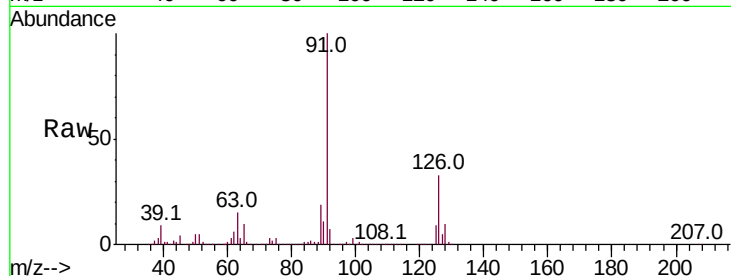
ClientSampled :

Tot Ion: 91 Resp: 1105039

Ion Ratio Lower Upper

91 100

126 32.5 16.5 49.5



#80

1,3,5-Trimethylbenzene

Concen: 138.465 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW012957.D

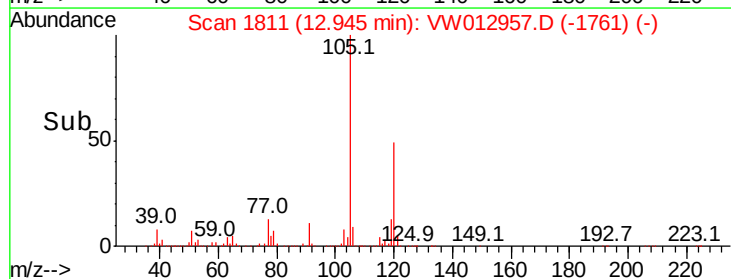
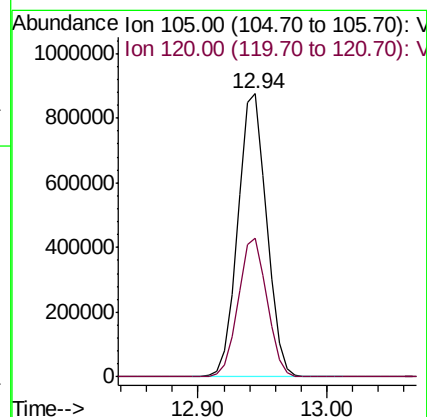
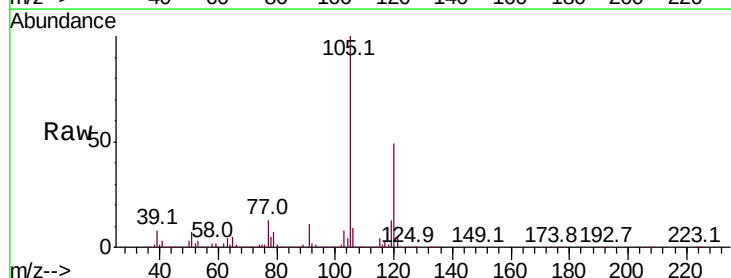
Acq: 13 Sep 2019 16:16

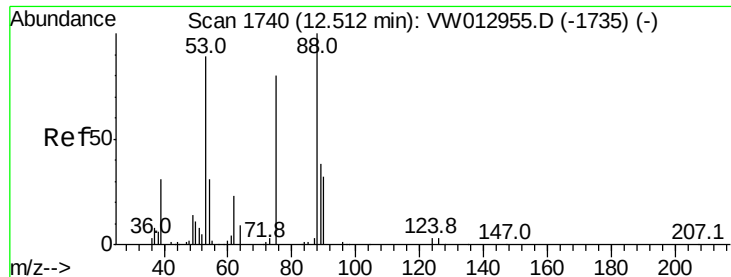
Tgt Ion:105 Resp: 1353787

Ion Ratio Lower Upper

105 100

120 49.0 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 155.345 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

Instrument :

MSVOA_W

ClientSampleId :

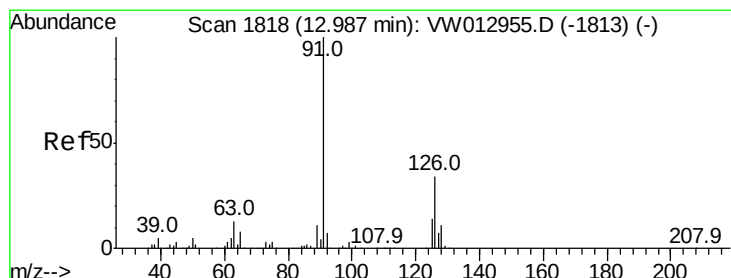
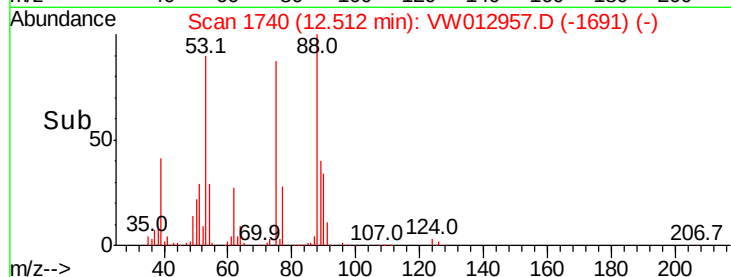
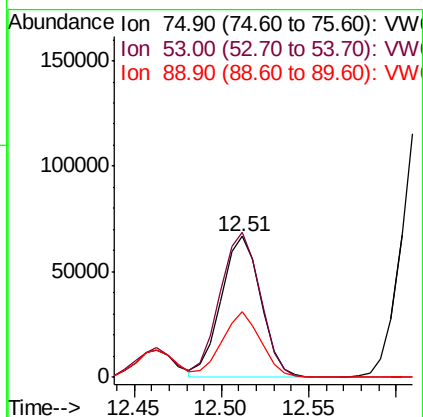
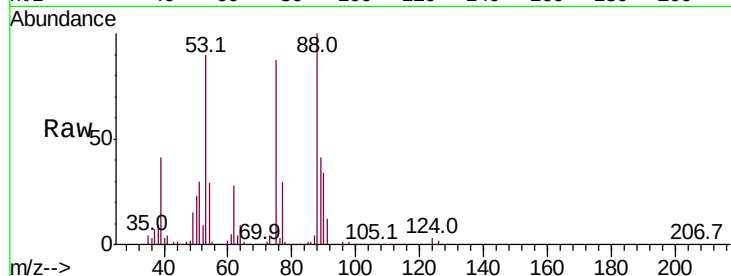
Tot Ion: 75 Resp: 104584

Ion Ratio Lower Upper

75 100

53 106.1 85.6 128.4

89 46.1 37.2 55.8



#82

4-Chlorotoluene

Concen: 138.903 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012957.D

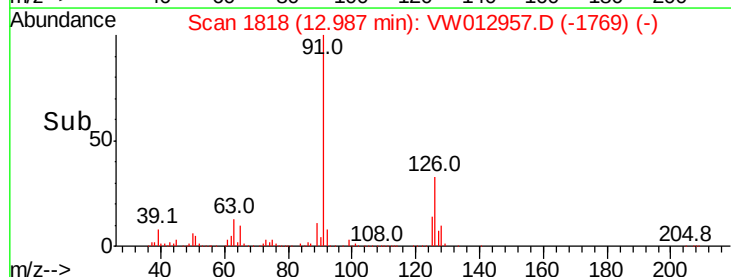
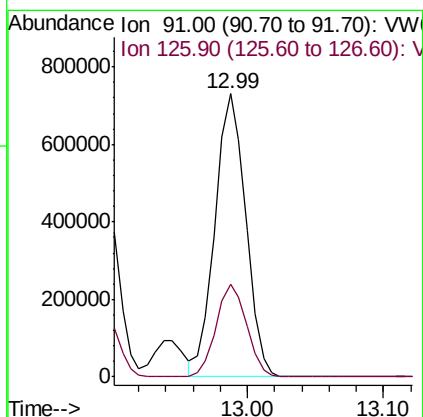
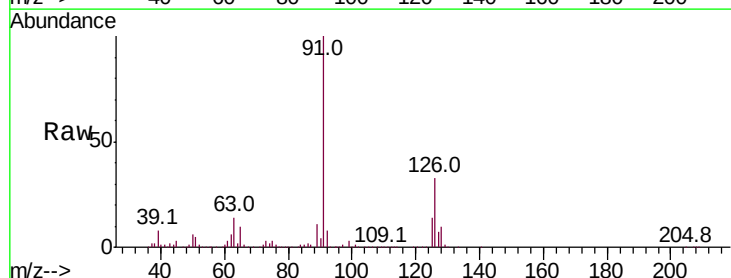
Acq: 13 Sep 2019 16:16

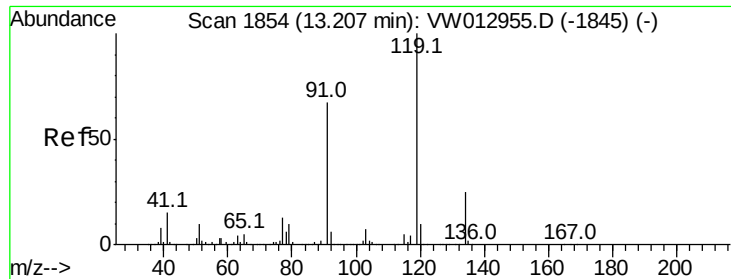
Tgt Ion: 91 Resp: 1145322

Ion Ratio Lower Upper

91 100

126 32.5 16.1 48.3





#83

tert-Butylbenzene

Concen: 139.855 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

Instrument :

MSVOA_W

ClientSampleId :

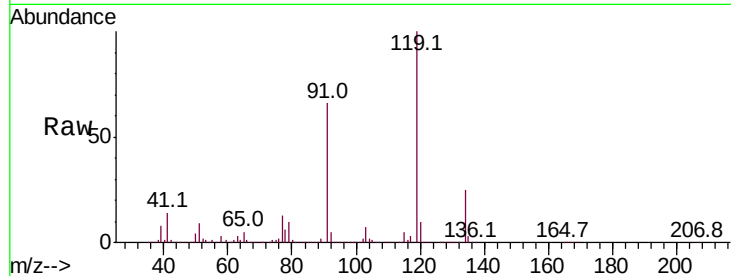
Tot Ion:119 Resp: 1223075

Ion Ratio Lower Upper

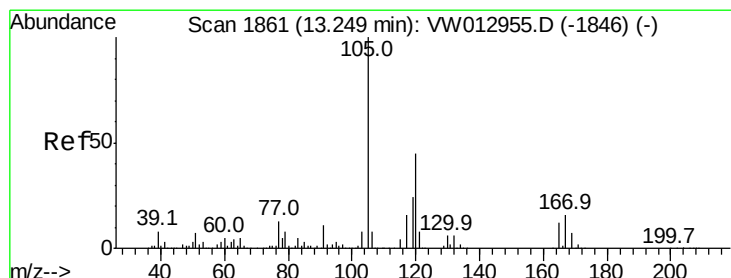
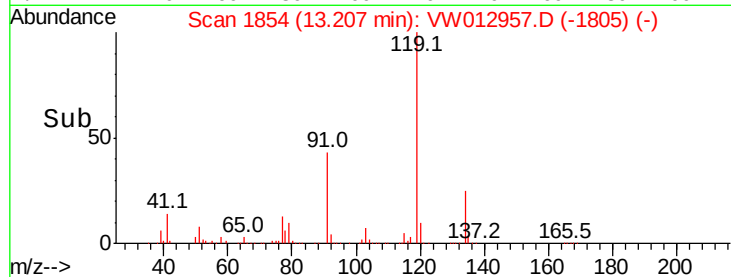
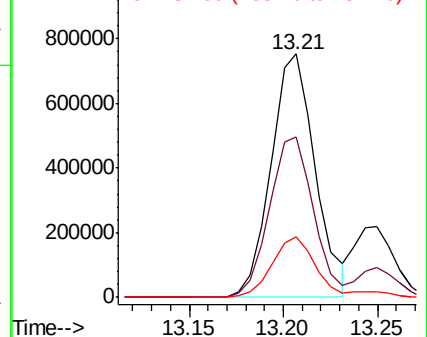
119 100

91 65.6 32.6 98.0

134 26.2 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: 139.115 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VW012957.D

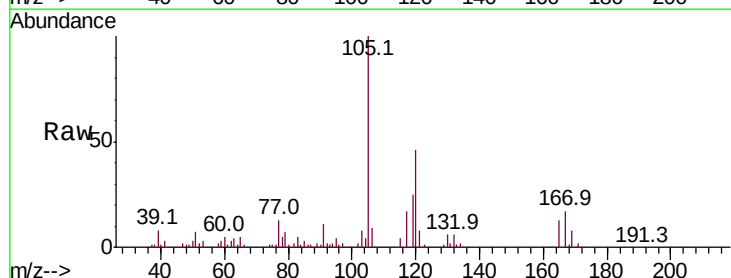
Acq: 13 Sep 2019 16:16

Tgt Ion:105 Resp: 1344040

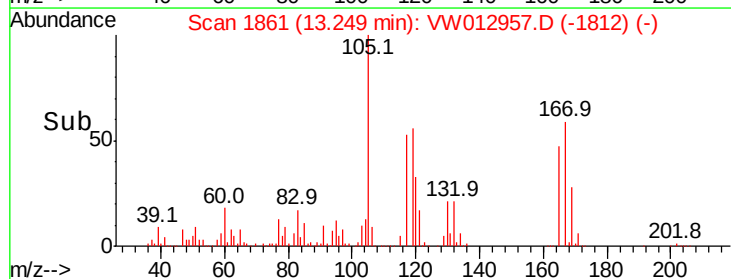
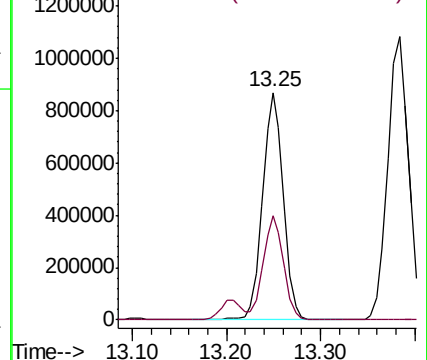
Ion Ratio Lower Upper

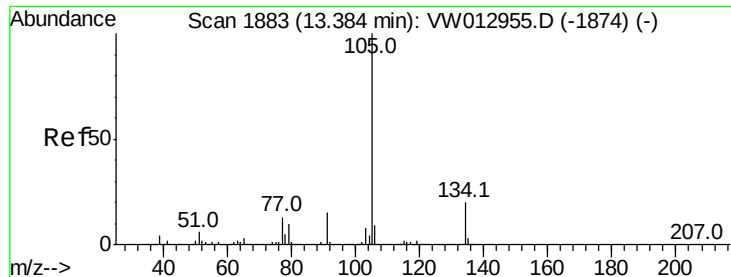
105 100

120 44.5 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: 139.099 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

Instrument :

MSVOA_W

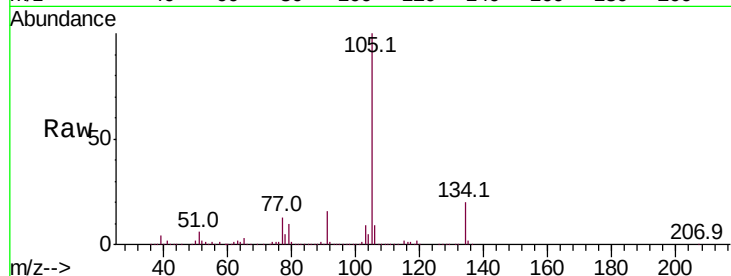
ClientSampled :

Tot Ion:105 Resp: 1657350

Ion Ratio Lower Upper

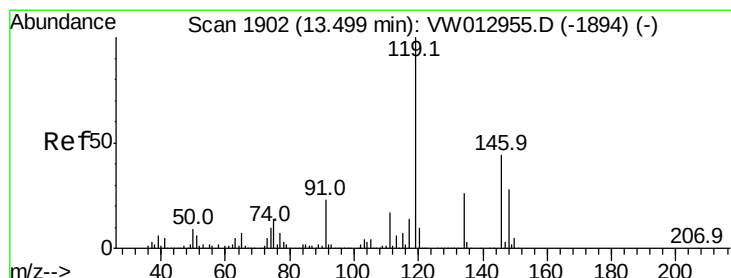
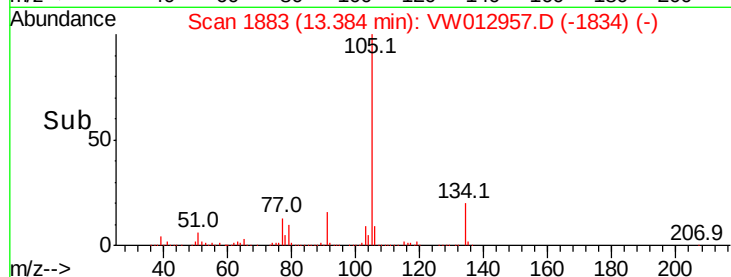
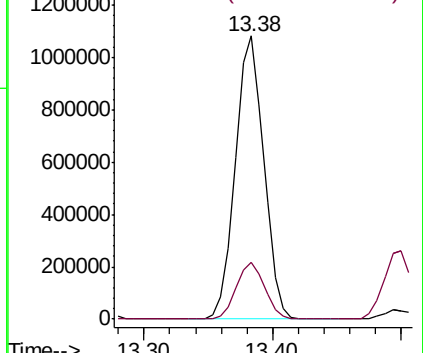
105 100

134 20.1 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: 140.199 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

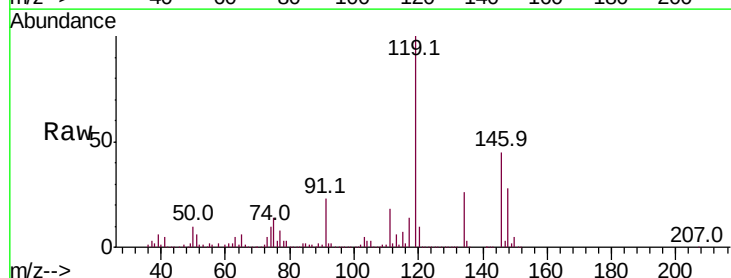
Tgt Ion:119 Resp: 1533678

Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.3

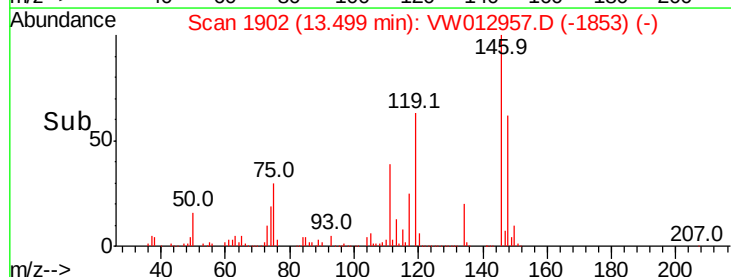
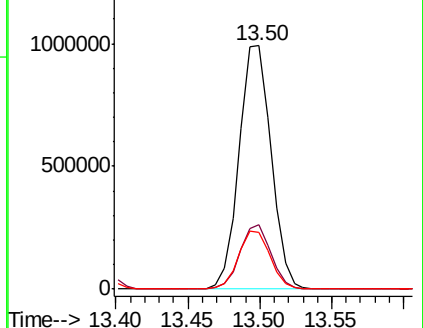
91 23.6 11.8 35.4

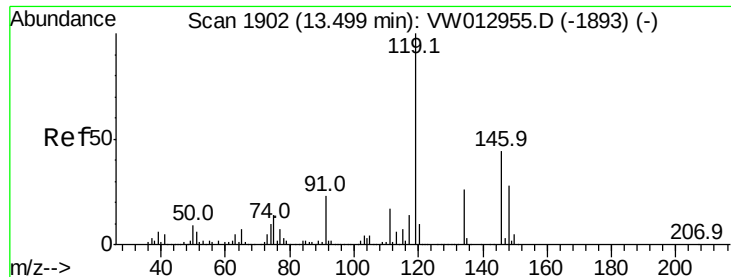


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

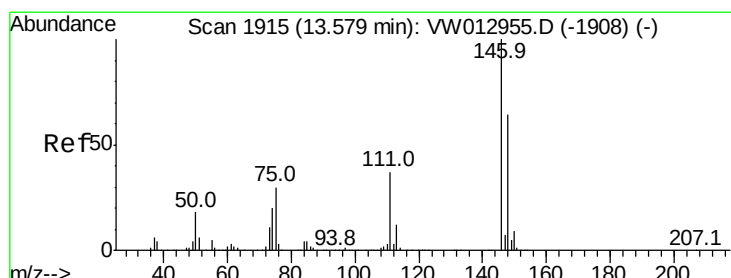
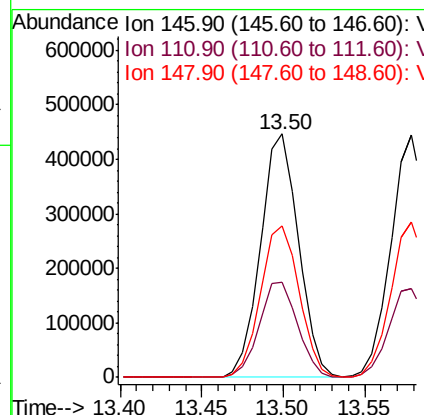
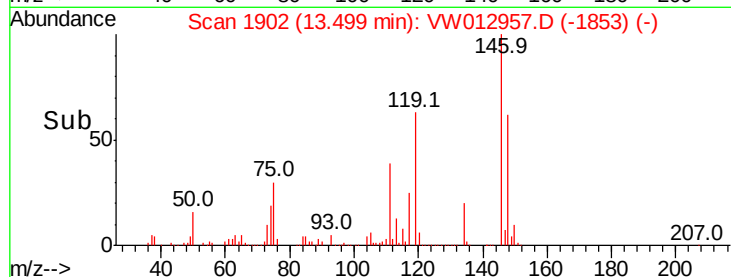
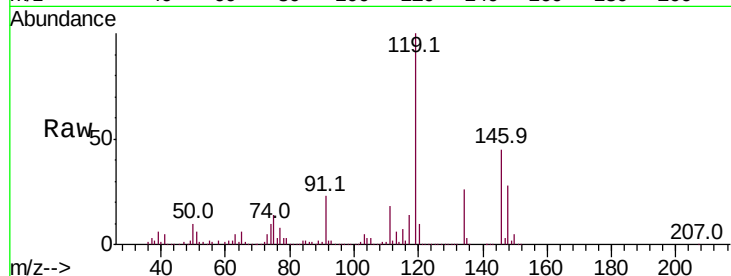




#87
 1,3-Dichlorobenzene
 Concen: 136.979 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

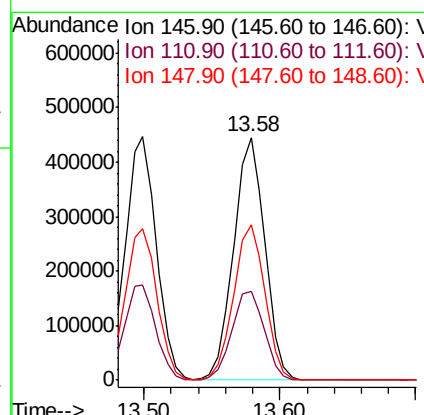
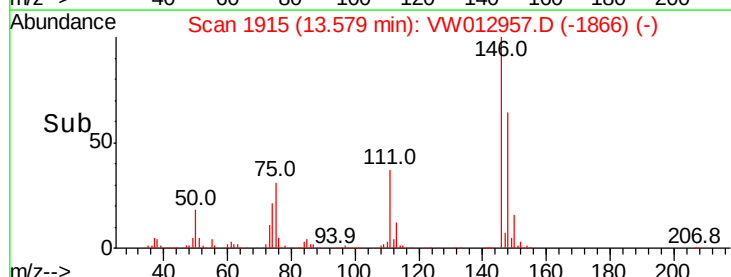
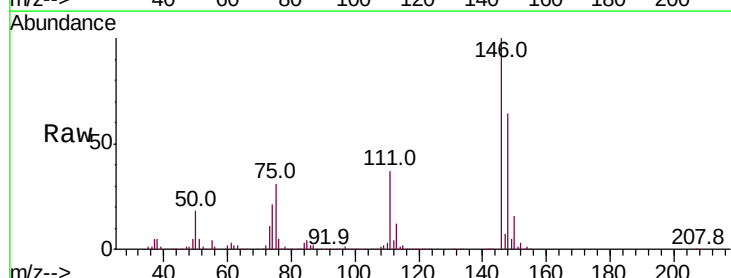
Instrument :
 MSVOA_W
 ClientSampled :

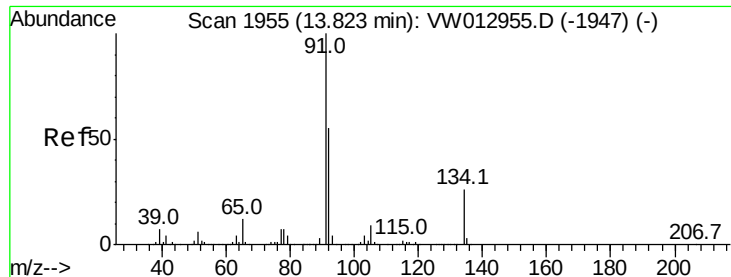
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.8	59.4
148	63.5	31.9	95.7



#88
 1,4-Dichlorobenzene
 Concen: 137.250 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.4	58.2
148	64.2	31.9	95.5





#89

n-Butylbenzene

Concen: 141.723 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

Instrument :

MSVOA_W

ClientSampleId :

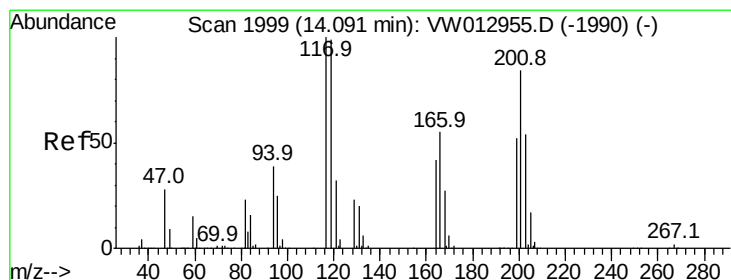
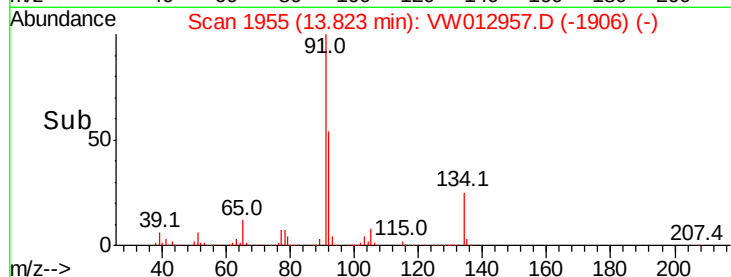
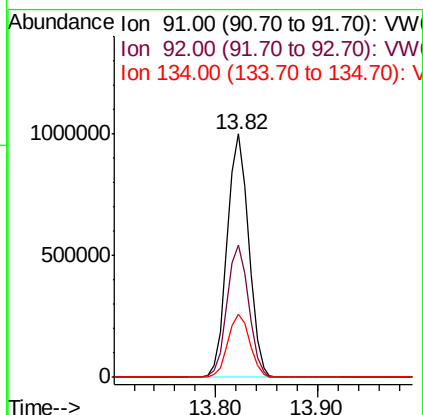
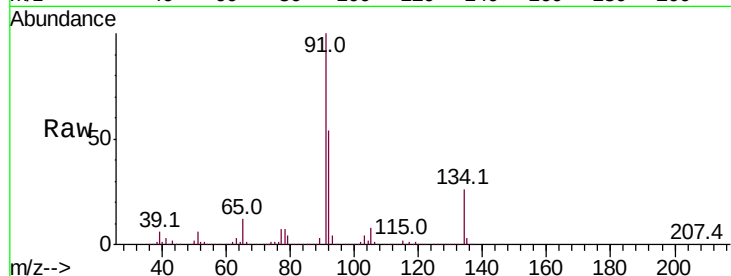
Tot Ion: 91 Resp: 1462108

Ion Ratio Lower Upper

91 100

92 54.3 27.2 81.5

134 26.2 13.1 39.1



#90

Hexachloroethane

Concen: 143.934 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012957.D

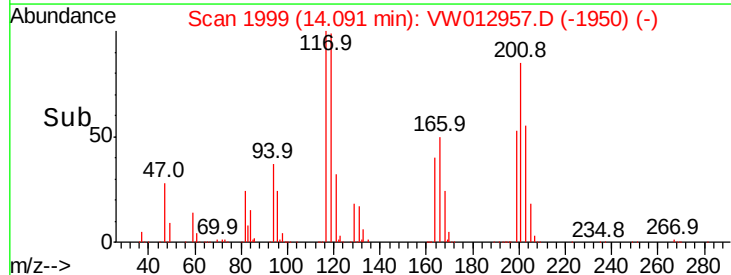
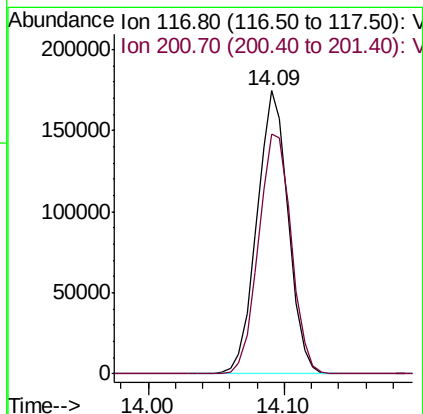
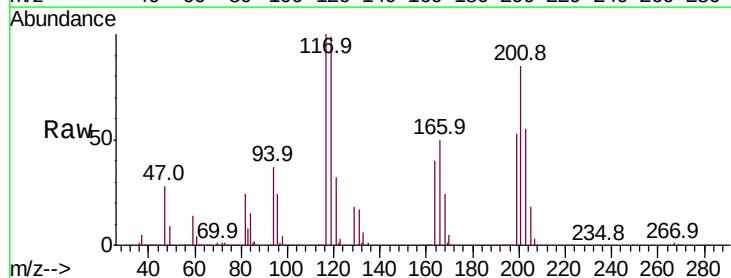
Acq: 13 Sep 2019 16:16

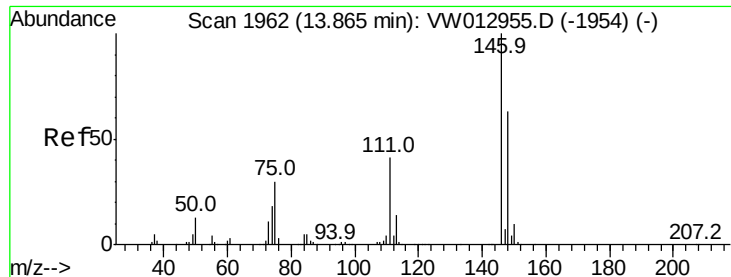
Tgt Ion: 117 Resp: 282164

Ion Ratio Lower Upper

117 100

201 88.6 45.3 135.9

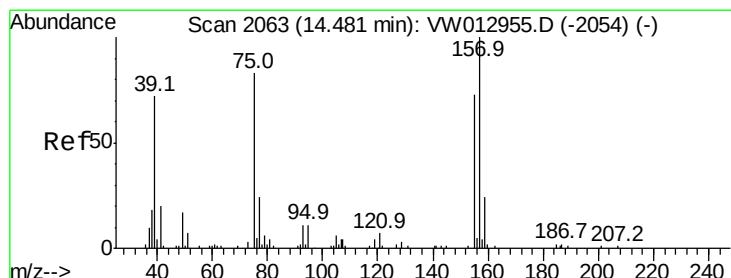
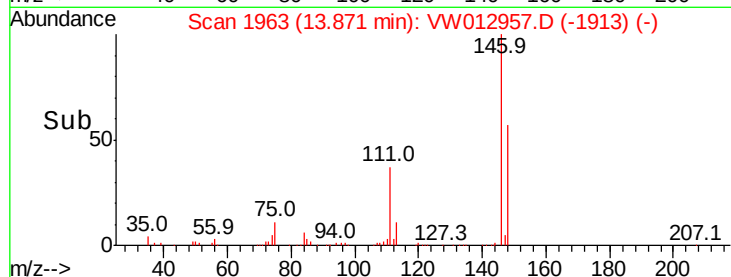
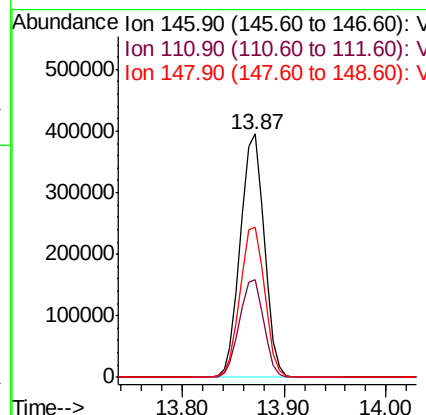
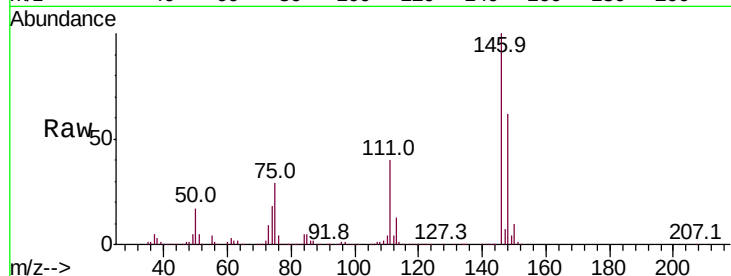




#91
 1,2-Dichlorobenzene
 Concen: 137.941 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

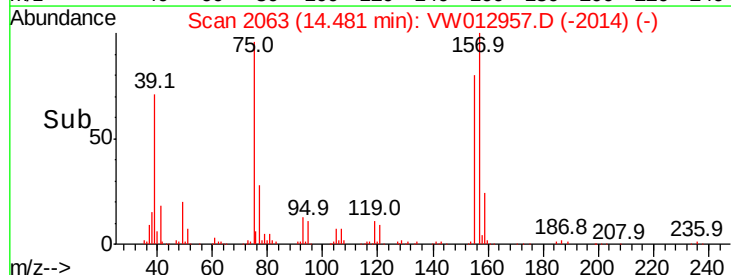
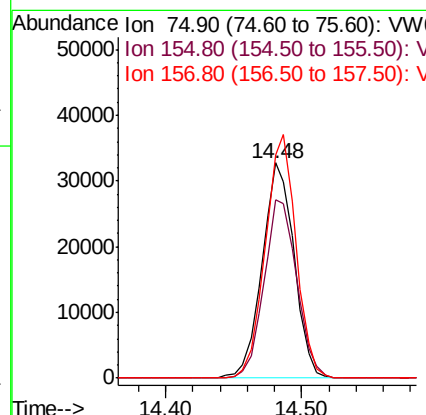
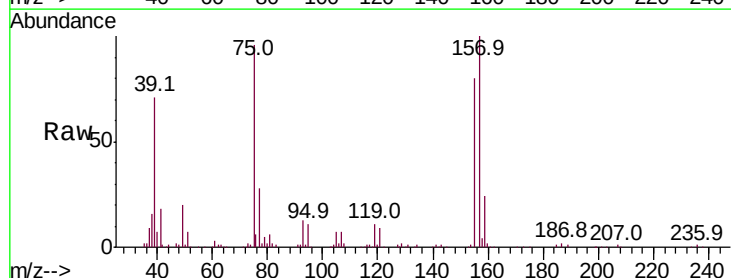
Instrument :
 MSVOA_W
 ClientSampled :

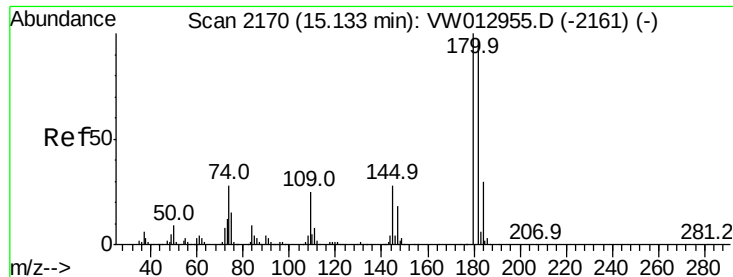
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.8	62.5
148	63.6	32.7	98.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 145.089 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.7	43.3	129.9
157	108.8	54.7	164.1

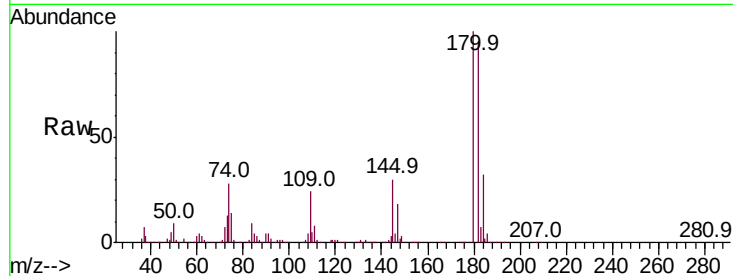




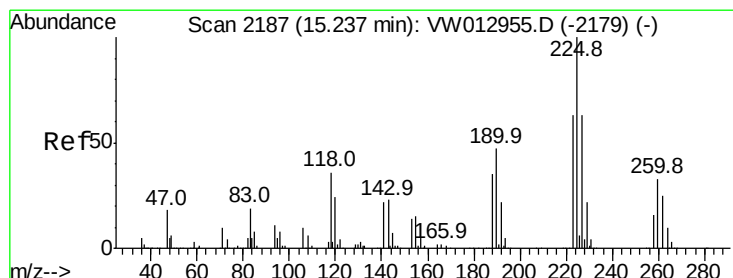
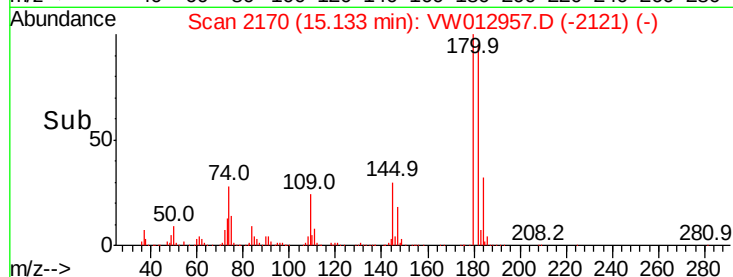
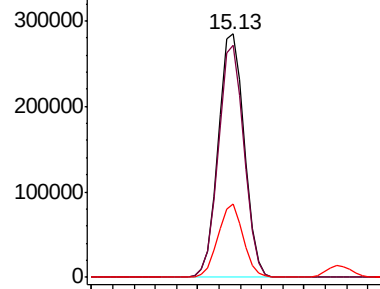
#93
 1,2,4-Trichlorobenzene
 Concen: 147.967 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.1	47.4	142.2	
145	29.1	14.9	44.7	

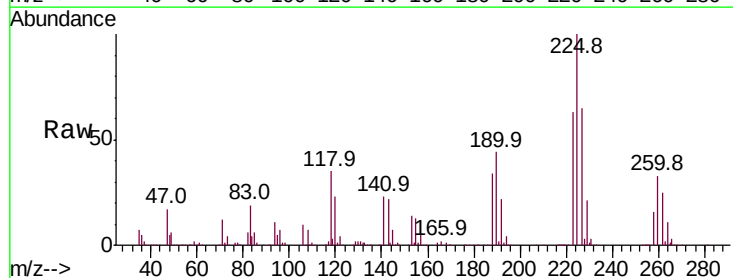


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

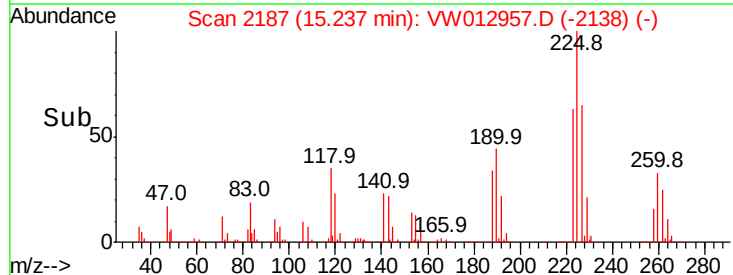
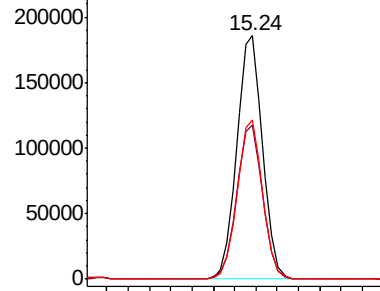


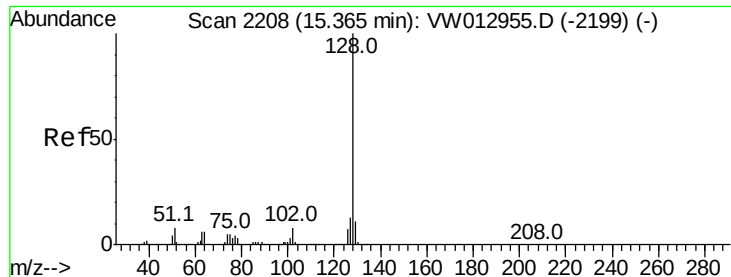
#94
 Hexachlorobutadiene
 Concen: 134.276 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.8	31.8	95.3	
227	64.4	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

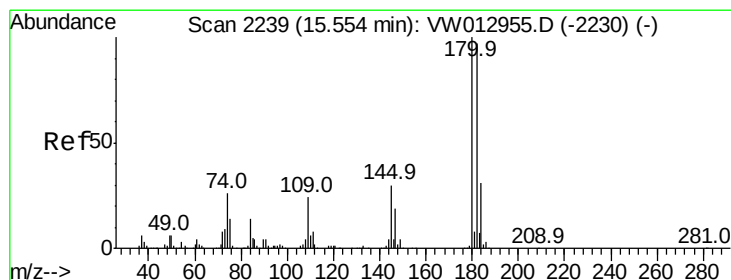
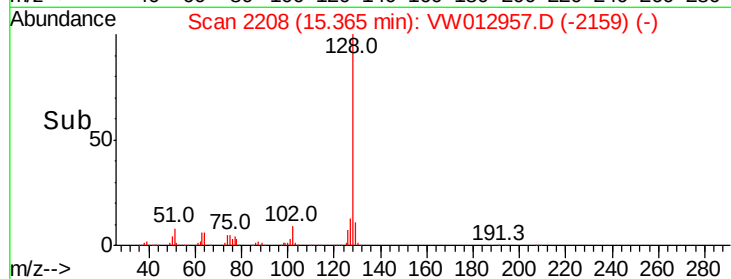
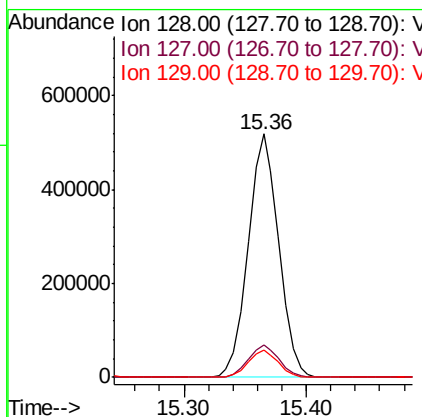
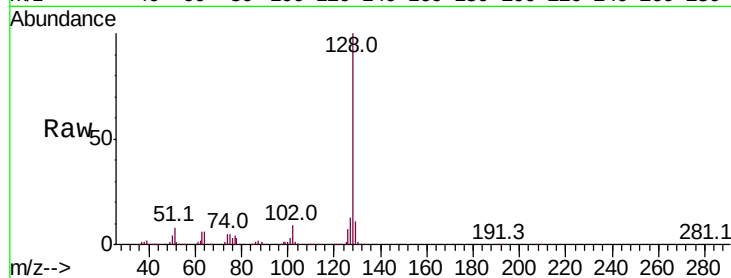




#95
Naphthalene
Concen: 162.454 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	11.0	16.6
129	11.0	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 147.177 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.6	142.8
145	30.9	15.4	46.2

