

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091419\
 Data File : VW012956.D
 Acq On : 13 Sep 2019 15:50
 Operator : SY/VA
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 13 17:03:50 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	283615	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	405241	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	353653	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	173617	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	254664	97.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.44%	
35) Dibromofluoromethane	7.88	113	218079	99.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.36%	
50) Toluene-d8	10.32	98	875501	101.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	203.50%	
62) 4-Bromofluorobenzene	12.62	95	301891	97.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	102694	84.694	ug/l	96
3) Chloromethane	2.21	50	131038	84.505	ug/l	99
4) Vinyl Chloride	2.36	62	186683	91.961	ug/l	97
5) Bromomethane	2.76	94	110271	88.949	ug/l	99
6) Chloroethane	2.91	64	118947	95.536	ug/l	100
7) Trichlorofluoromethane	3.25	101	143041	100.763	ug/l	94
8) Diethyl Ether	3.68	74	104963	94.693	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	202093	93.863	ug/l	98
10) Methyl Iodide	4.26	142	261398	97.010	ug/l	100
11) Tert butyl alcohol	5.18	59	85671	417.294	ug/l	99
12) 1,1-Dichloroethene	4.04	96	188299	96.185	ug/l	95
13) Acrolein	3.89	56	96653	503.035	ug/l	99
14) Allyl chloride	4.67	41	368472	99.144	ug/l	100
15) Acrylonitrile	5.36	53	275451	486.542	ug/l	98
16) Acetone	4.12	43	291653	468.713	ug/l	100
17) Carbon Disulfide	4.38	76	368749	94.520	ug/l	100
18) Methyl Acetate	4.67	43	139463	93.453	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	368862	95.452	ug/l	95
20) Methylene Chloride	4.91	84	205812	83.593	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	199127	94.970	ug/l	98
22) Diisopropyl ether	6.31	45	751517	97.337	ug/l	98
23) Vinyl Acetate	6.25	43	2321602	502.045	ug/l	99
24) 1,1-Dichloroethane	6.21	63	425787	95.649	ug/l	100
25) 2-Butanone	7.17	43	395000	474.245	ug/l	99
26) 2,2-Dichloropropane	7.17	77	279919	88.679	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	241199	96.086	ug/l	100
28) Bromochloromethane	7.51	49	192281	102.623	ug/l	99
29) Tetrahydrofuran	7.52	42	232104	489.080	ug/l	100
30) Chloroform	7.67	83	427287	94.467	ug/l	99
31) Cyclohexane	7.95	56	325399	85.794	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	361102	96.943	ug/l	98
36) 1,1-Dichloropropene	8.08	75	310514	95.890	ug/l	99
37) Ethyl Acetate	7.25	43	166752	97.016	ug/l	99
38) Carbon Tetrachloride	8.07	117	329076	99.165	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091419\
 Data File : VW012956.D
 Acq On : 13 Sep 2019 15:50
 Operator : SY/VA
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 13 17:03:50 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	341813	96.329	ug/l	100
40) Benzene	8.32	78	872924	96.562	ug/l	99
41) Methacrylonitrile	7.48	41	107915	95.340	ug/l	96
42) 1,2-Dichloroethane	8.40	62	291945	96.339	ug/l	99
43) Isopropyl Acetate	8.42	43	331785	100.535	ug/l	99
44) Trichloroethene	9.09	130	238243	96.215	ug/l	94
45) 1,2-Dichloropropane	9.37	63	232977	97.001	ug/l	99
46) Dibromomethane	9.46	93	111838	97.191	ug/l	99
47) Bromodichloromethane	9.64	83	325254	100.769	ug/l	97
48) Methyl methacrylate	9.43	41	159752	103.144	ug/l	97
49) 1,4-Dioxane	9.46	88	37471	1943.372	ug/l #	75
51) 4-Methyl-2-Pentanone	10.21	43	848294	497.881	ug/l	100
52) Toluene	10.38	92	563246	98.051	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	332841	102.533	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	379517	102.179	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	171212	97.670	ug/l	99
56) Ethyl methacrylate	10.65	69	247969	105.092	ug/l	99
57) 1,3-Dichloropropane	10.93	76	307036	98.738	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	662783	523.637	ug/l	100
59) 2-Hexanone	10.97	43	602140	507.545	ug/l	99
60) Dibromochloromethane	11.13	129	214732	101.321	ug/l	97
61) 1,2-Dibromoethane	11.23	107	157116	98.252	ug/l	99
64) Tetrachloroethene	10.86	164	202115	96.067	ug/l	96
65) Chlorobenzene	11.66	112	604297	95.930	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	238951	98.984	ug/l	98
67) Ethyl Benzene	11.73	91	1144634	98.385	ug/l	100
68) m/p-Xylenes	11.83	106	828310	194.891	ug/l	99
69) o-Xylene	12.16	106	394789	99.079	ug/l	100
70) Styrene	12.18	104	706127	99.621	ug/l	99
71) Bromoform	12.35	173	129316	101.983	ug/l #	99
73) Isopropylbenzene	12.46	105	1151495	100.062	ug/l	100
74) N-amyl acetate	12.27	43	305868	103.324	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	198762	98.339	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	270114	184.391	ug/l #	100
77) Bromobenzene	12.74	156	264140	99.634	ug/l	96
78) n-propylbenzene	12.80	91	1343070	99.217	ug/l	99
79) 2-Chlorotoluene	12.89	91	766948	98.559	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	953967	97.988	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	69839	104.178	ug/l	99
82) 4-Chlorotoluene	12.99	91	803651	97.881	ug/l	99
83) tert-Butylbenzene	13.21	119	859733	98.727	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	945310	98.261	ug/l	99
85) sec-Butylbenzene	13.38	105	1161110	97.865	ug/l	99
86) p-Isopropyltoluene	13.50	119	1079020	99.058	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	506087	96.432	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	495029	95.986	ug/l	99
89) n-Butylbenzene	13.82	91	1015668	98.869	ug/l	100
90) Hexachloroethane	14.09	117	196726	100.779	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	448485	97.175	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	35952	97.176	ug/l	97

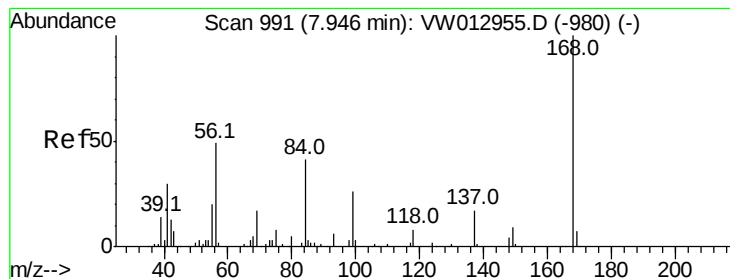
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091419\
Data File : VW012956.D
Acq On : 13 Sep 2019 15:50
Operator : SY/VA
Sample : VSTDICC100
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Sep 13 17:03:50 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	335261	101.859	ug/l	99
94) Hexachlorobutadiene	15.24	225	218890	93.942	ug/l	98
95) Naphthalene	15.36	128	599696	109.045	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	291328	100.129	ug/l	100

(#) = 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: VW012956.D

Acq: 13 Sep 2019 15:50

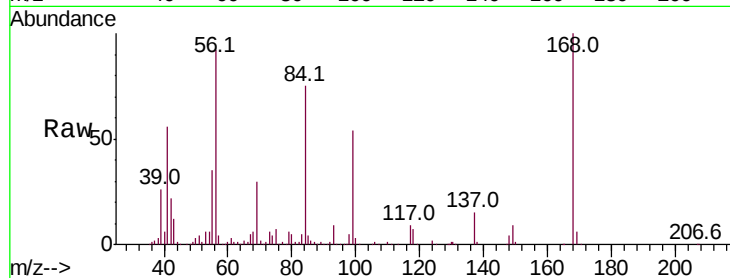
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 283615

Ion Ratio Lower Upper

168 100

99 54.1 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

150000

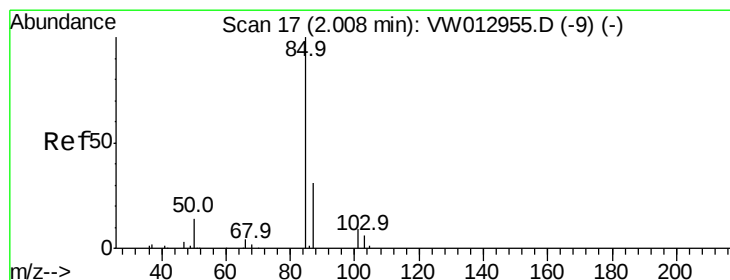
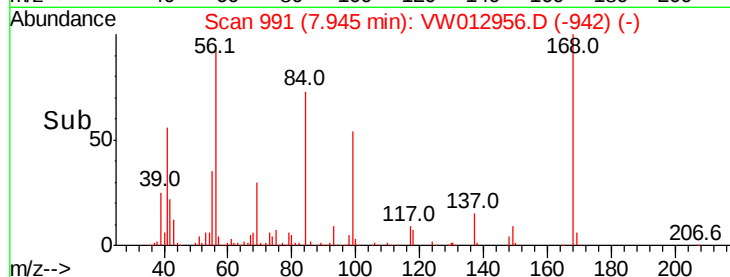
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 84.694 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012956.D

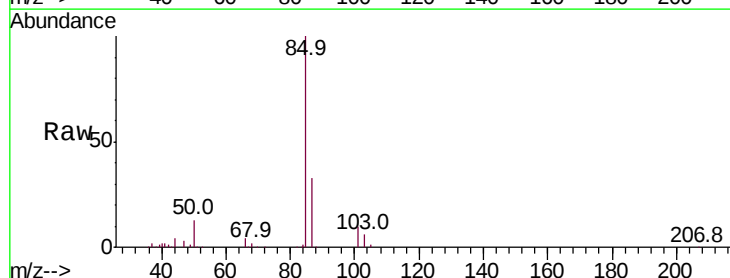
Acq: 13 Sep 2019 15:50

Tgt Ion: 85 Resp: 102694

Ion Ratio Lower Upper

85 100

87 33.0 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

40000

2.01

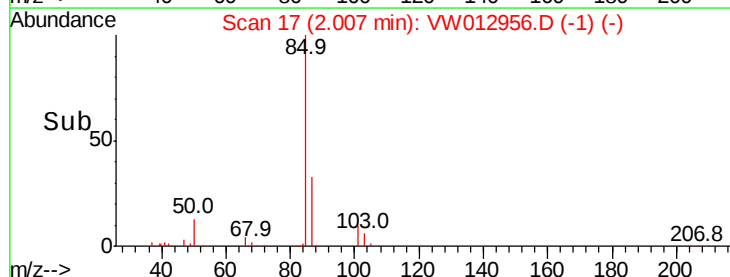
30000

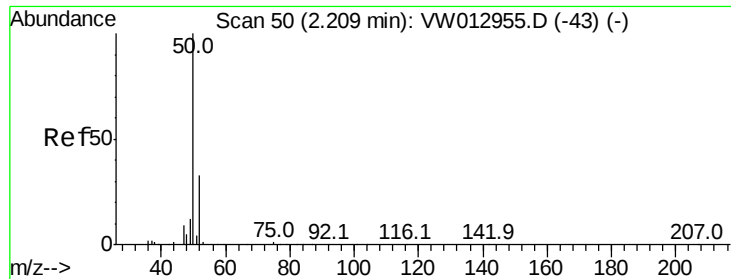
20000

10000

0

Time--> 1.90 2.00 2.10

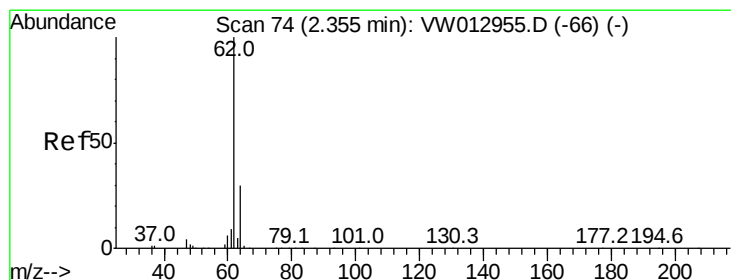
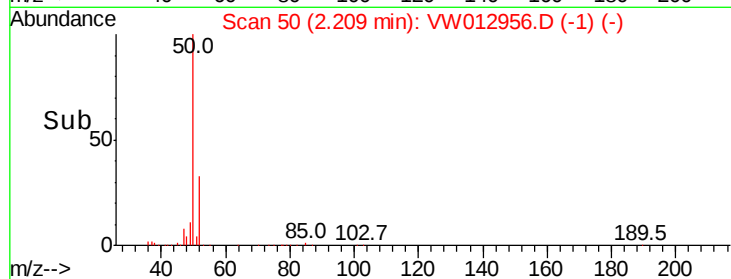
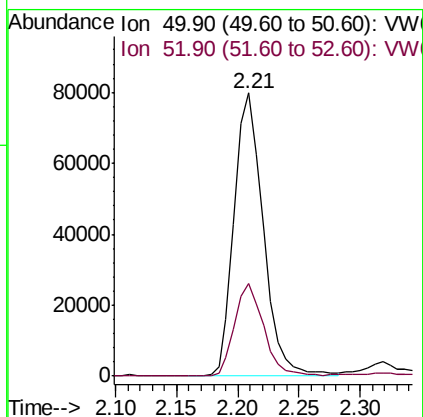
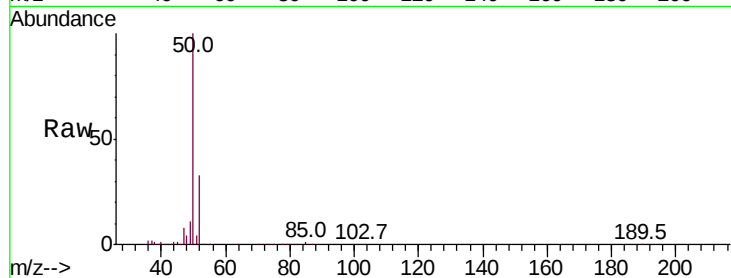




#3
Chloromethane
Concen: 84.505 ug/l
RT: 2.21 min Scan# 50
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

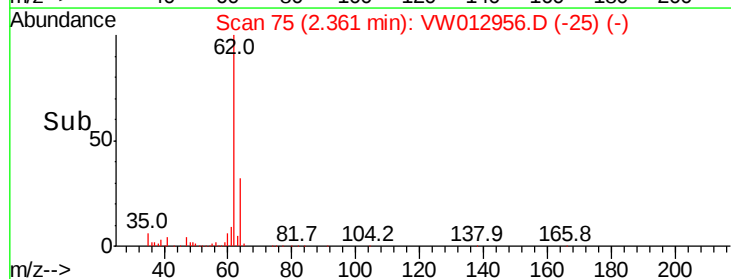
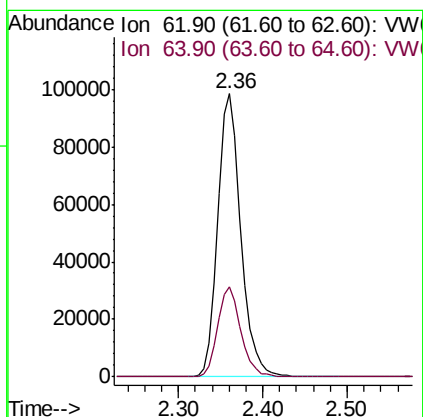
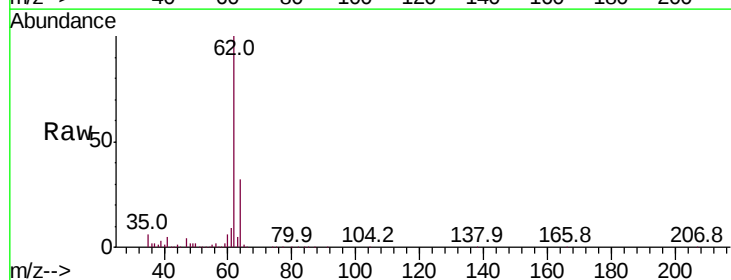
Instrument :
MSVOA_W
ClientSampled :

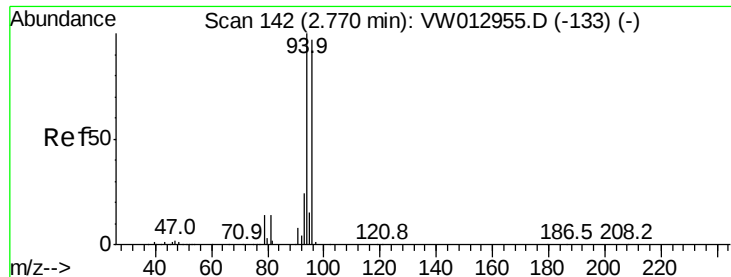
Tot Ion: 50 Resp: 131038
Ion Ratio Lower Upper
50 100
52 32.7 26.6 39.8



#4
Vinyl Chloride
Concen: 91.961 ug/l
RT: 2.36 min Scan# 75
Delta R.T. 0.01 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Tgt Ion: 62 Resp: 186683
Ion Ratio Lower Upper
62 100
64 31.9 24.2 36.4





#5

Bromomethane

Concen: 88.949 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Instrument :

MSVOA_W

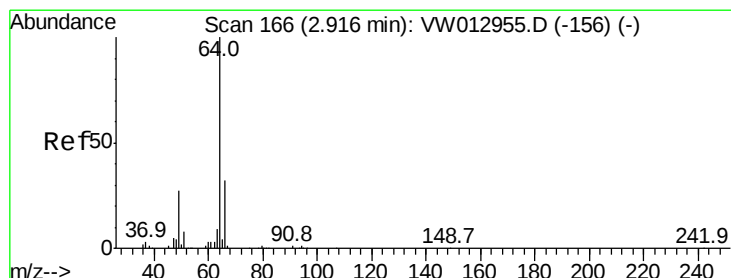
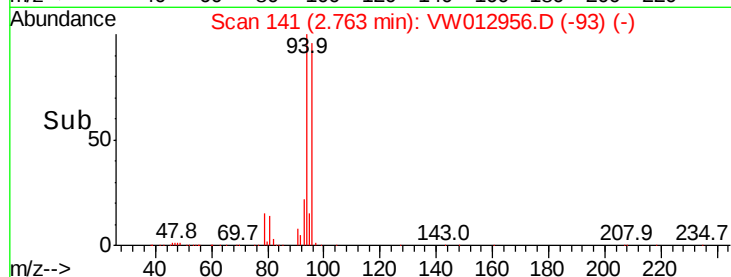
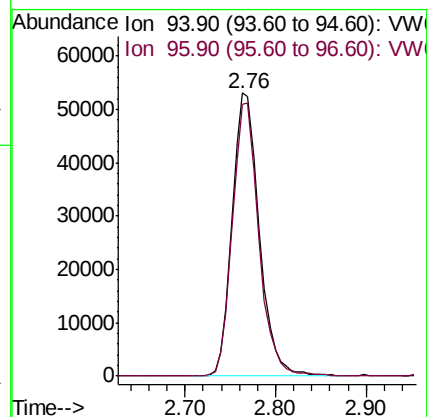
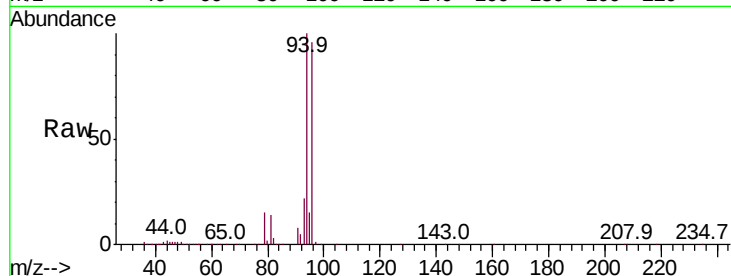
ClientSampled :

Tot Ion: 94 Resp: 110271

Ion Ratio Lower Upper

94 100

96 96.1 77.8 116.6



#6

Chloroethane

Concen: 95.536 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW012956.D

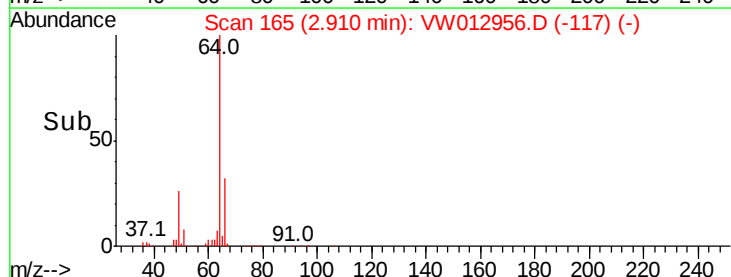
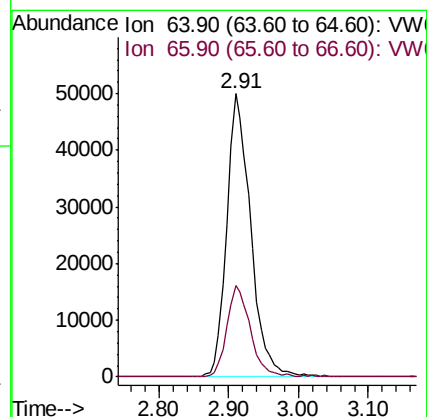
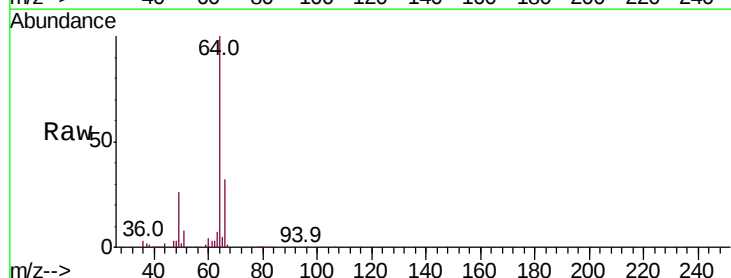
Acq: 13 Sep 2019 15:50

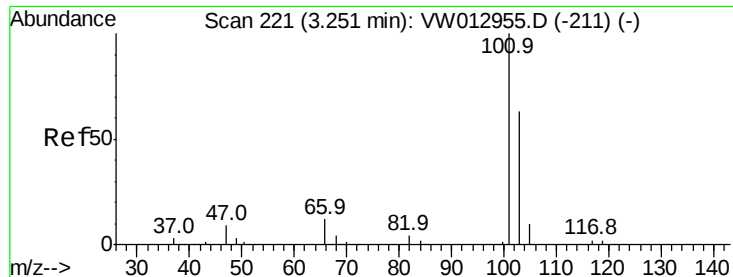
Tgt Ion: 64 Resp: 118947

Ion Ratio Lower Upper

64 100

66 32.3 25.9 38.9



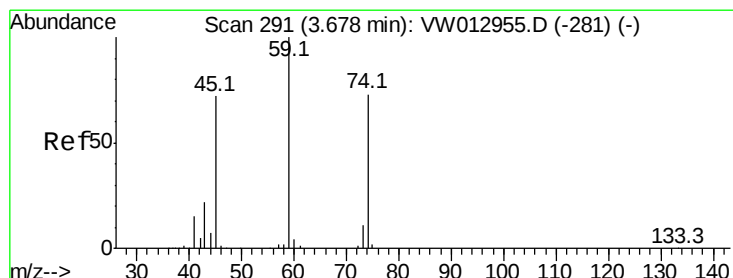
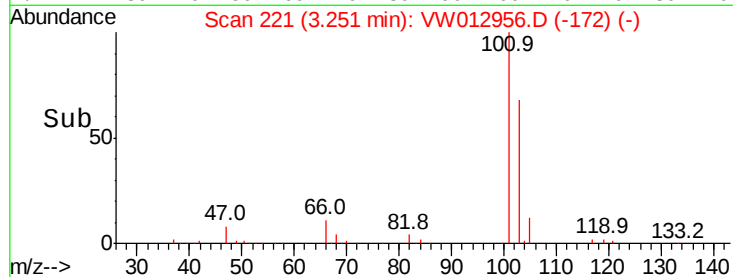
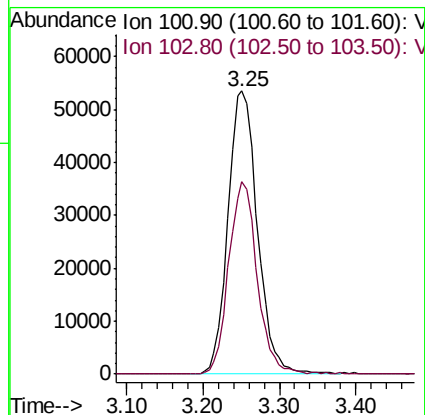
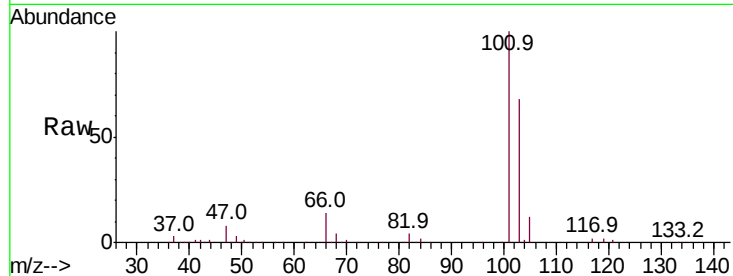


#7

Trichlorofluoromethane
Concen: 100.763 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Instrument :
MSVOA_W
ClientSampled :

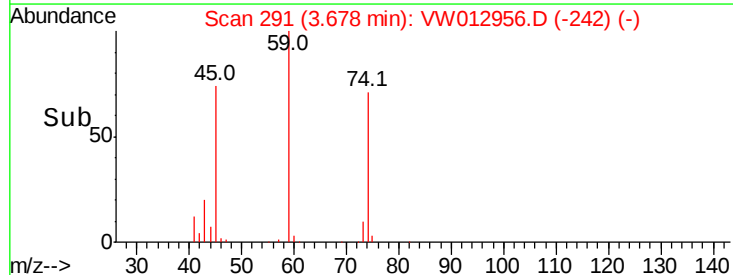
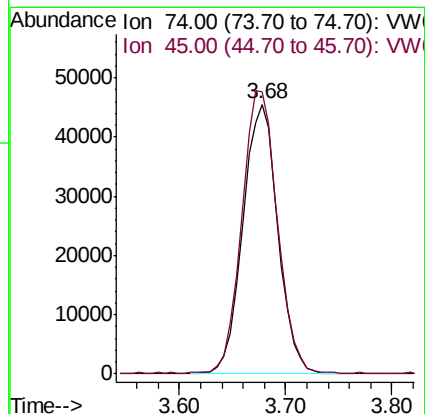
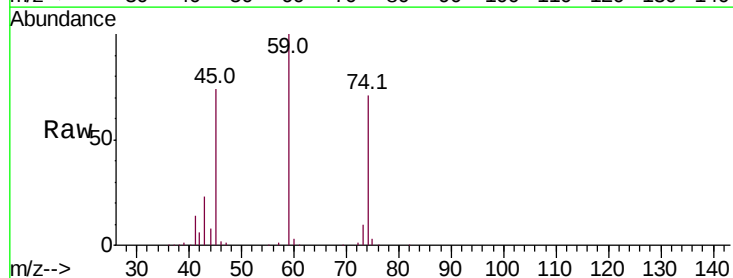
Tot Ion:101 Resp: 143041
Ion Ratio Lower Upper
101 100
103 68.2 50.7 76.1

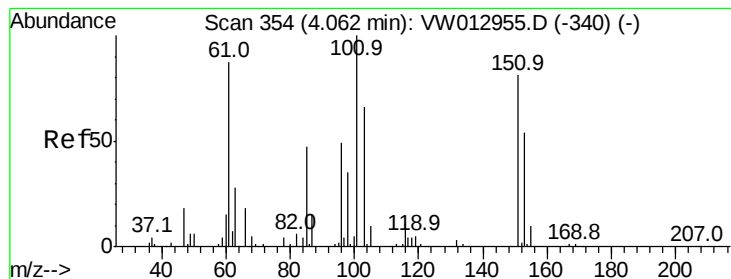


#8

Diethyl Ether
Concen: 94.693 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Tgt Ion: 74 Resp: 104963
Ion Ratio Lower Upper
74 100
45 106.3 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 93.863 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Instrument :

MSVOA_W

ClientSampleId :

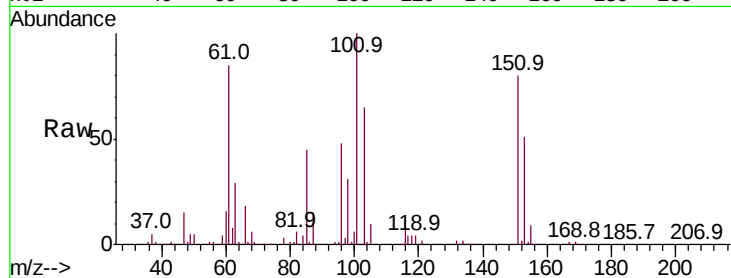
Tot Ion:101 Resp: 202093

Ion Ratio Lower Upper

101 100

85 44.0 34.9 52.3

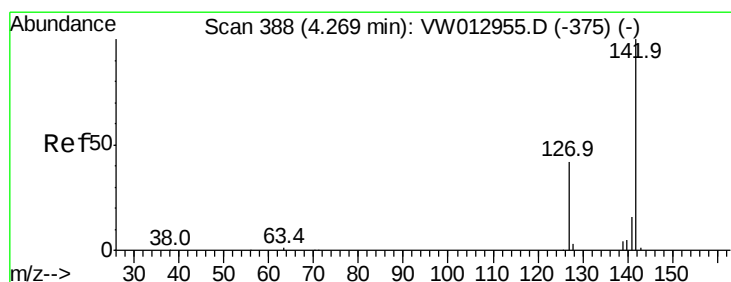
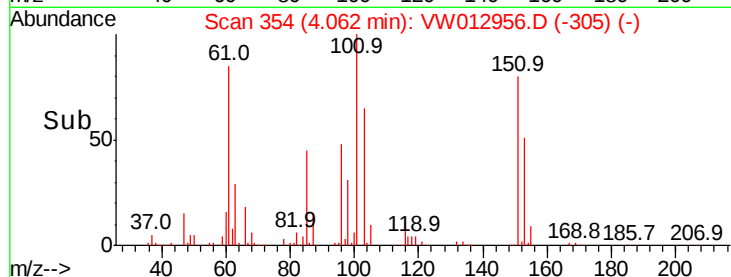
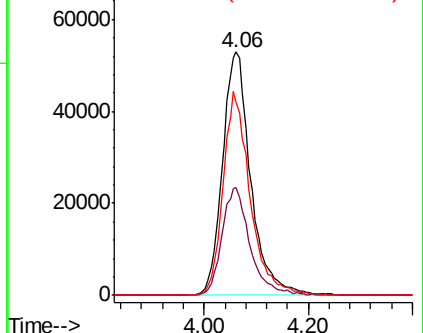
151 79.8 66.0 99.0



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: 97.010 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

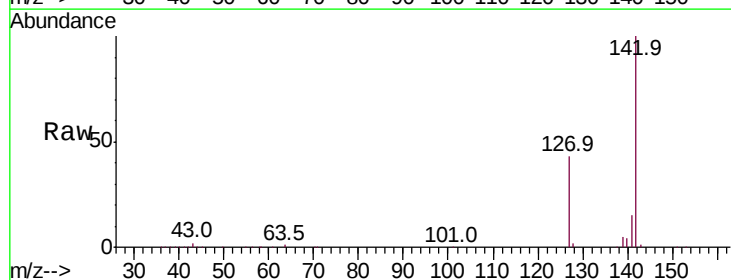
Tgt Ion:142 Resp: 261398

Ion Ratio Lower Upper

142 100

127 43.6 34.7 52.1

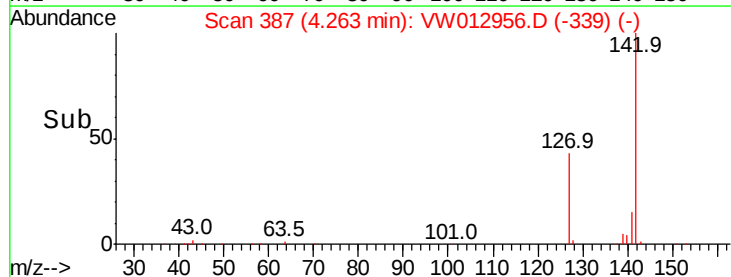
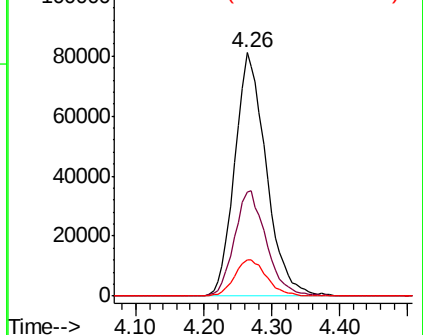
141 15.3 12.2 18.2

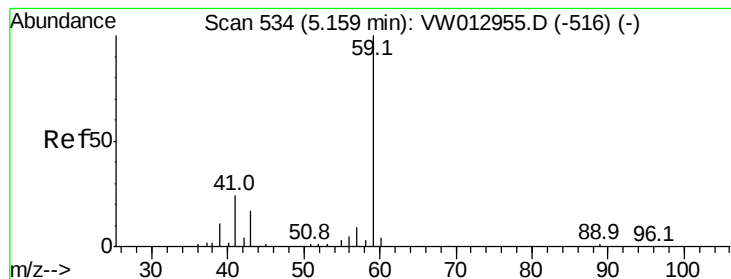


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



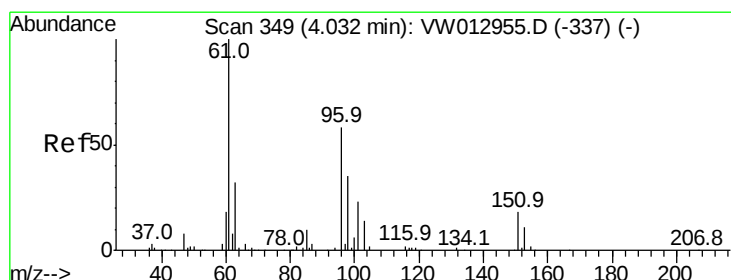
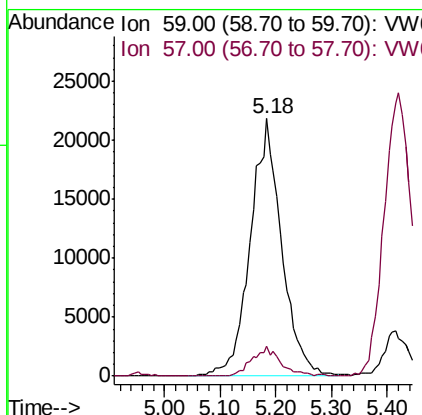
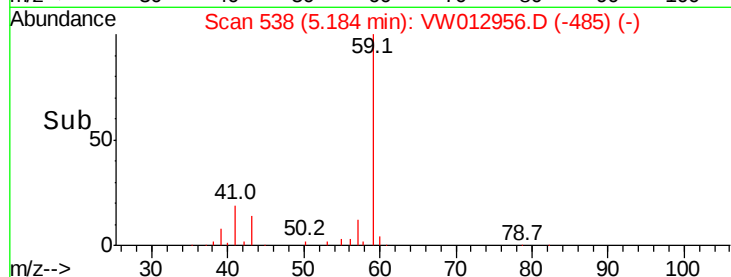
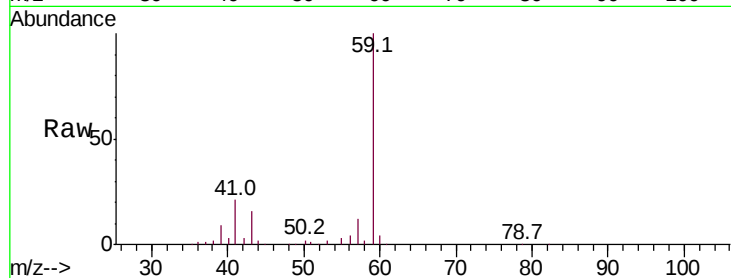


#11

Tert butyl alcohol
Concen: 417.294 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.02 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Instrument :
MSVOA_W
ClientSampled :

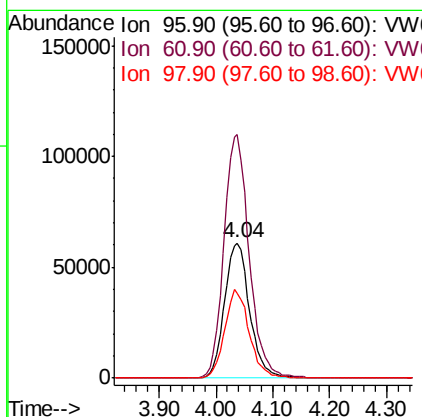
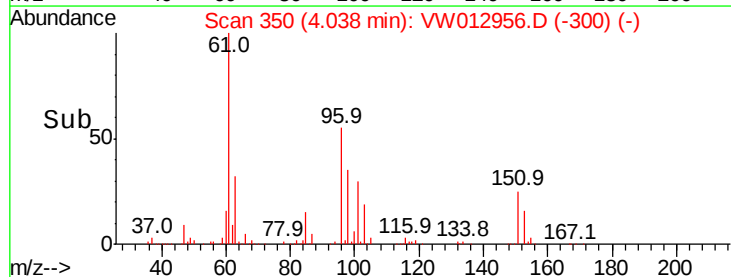
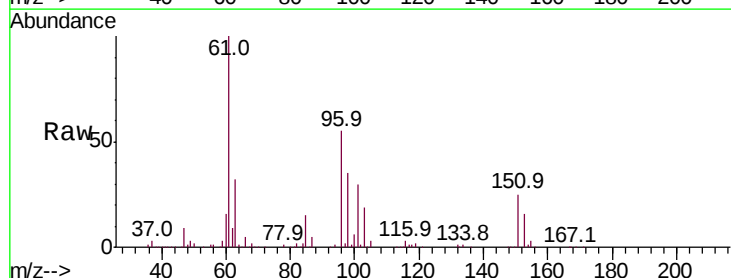
Tot Ion: 59 Resp: 85671
Ion Ratio Lower Upper
59 100
57 10.3 8.5 12.7

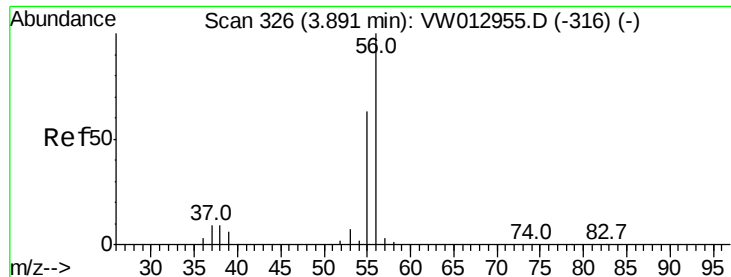


#12

1,1-Dichloroethene
Concen: 96.185 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Tgt Ion: 96 Resp: 188299
Ion Ratio Lower Upper
96 100
61 180.5 137.9 206.9
98 63.1 48.9 73.3

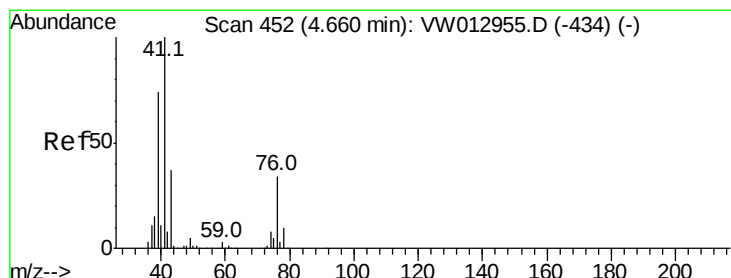
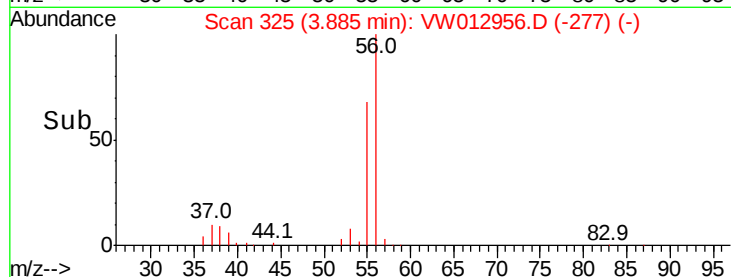
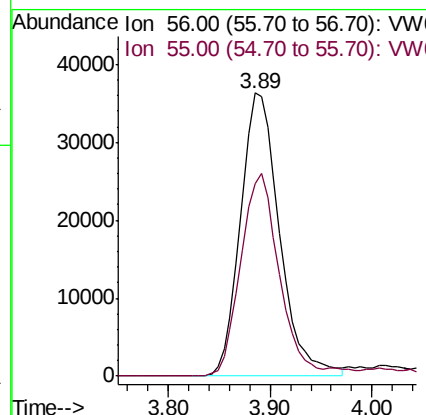
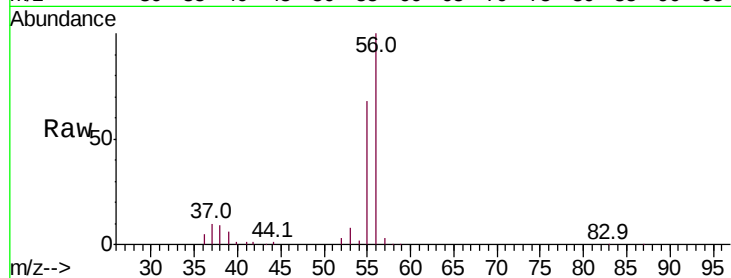




#13
 Acrolein
 Concen: 503.035 ug/l
 RT: 3.89 min Scan# 325
 Delta R.T. -0.01 min
 Lab File: VW012956.D
 Acq: 13 Sep 2019 15:50

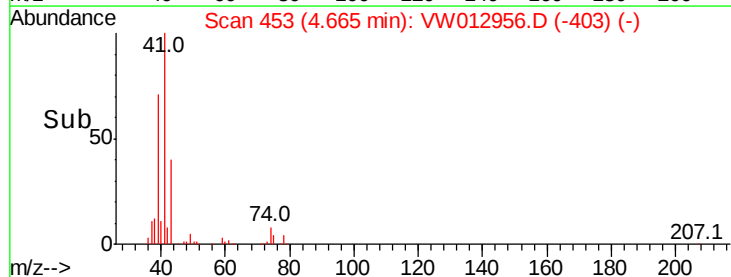
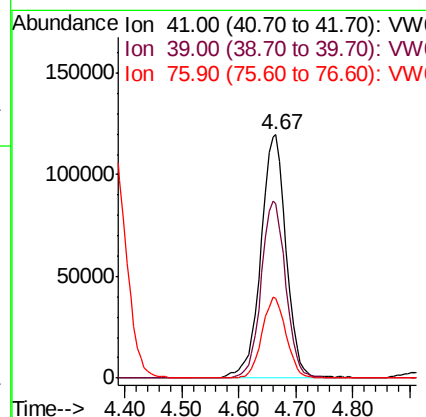
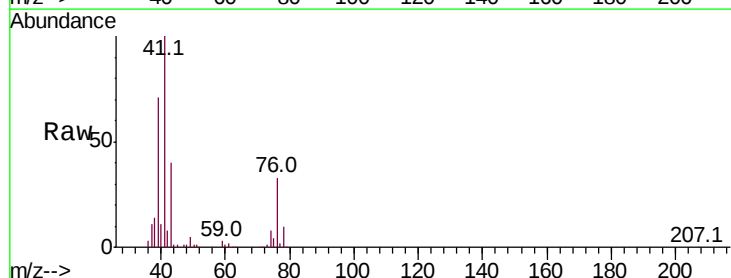
Instrument :
 MSVOA_W
 ClientSampleId :

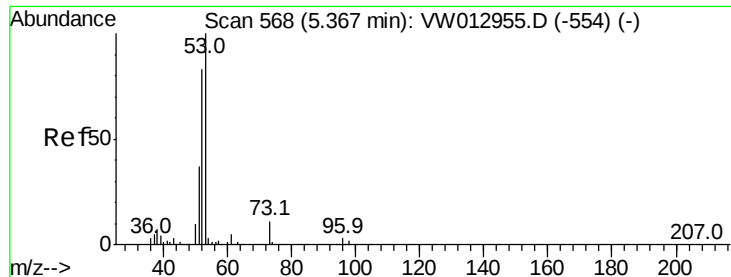
Tot Ion: 56 Resp: 96653
 Ion Ratio Lower Upper
 56 100
 55 70.3 55.8 83.8



#14
 Allyl chloride
 Concen: 99.144 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. 0.01 min
 Lab File: VW012956.D
 Acq: 13 Sep 2019 15:50

Tgt Ion: 41 Resp: 368472
 Ion Ratio Lower Upper
 41 100
 39 70.7 56.7 85.1
 76 31.6 25.1 37.7





#15

Acrylonitrile

Concen: 486.542 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Instrument :
MSVOA_W
ClientSampled :

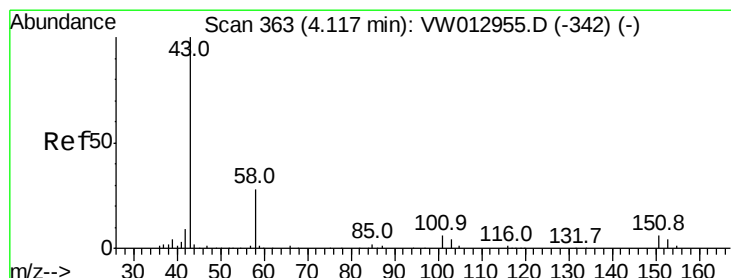
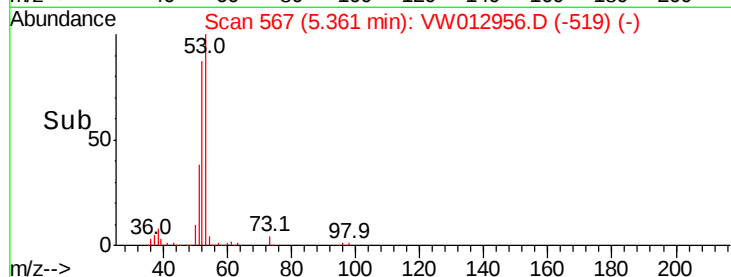
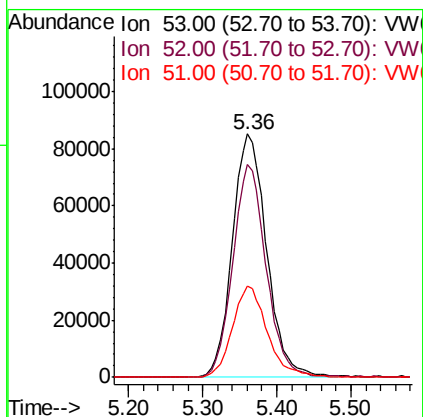
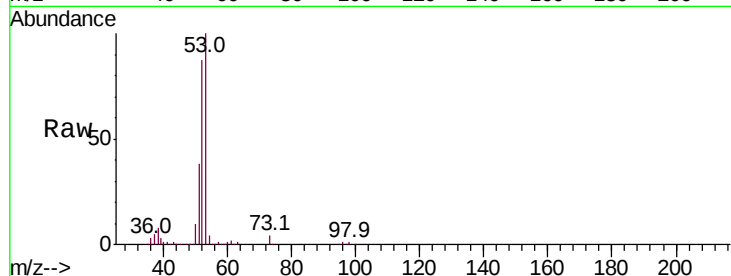
Tot Ion: 53 Resp: 275451

Ion Ratio Lower Upper

53 100

52 85.3 66.6 100.0

51 38.1 29.8 44.8



#16

Acetone

Concen: 468.713 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW012956.D

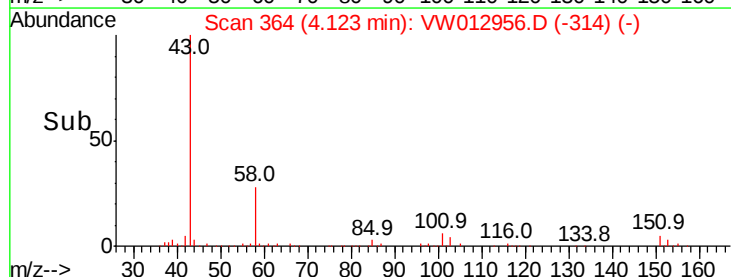
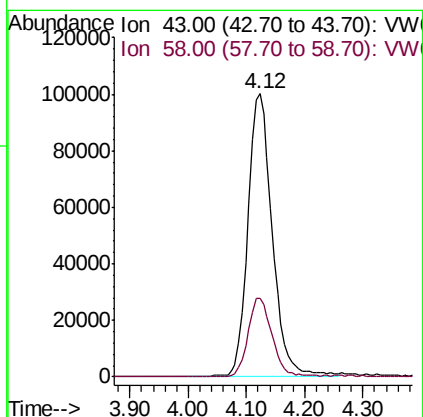
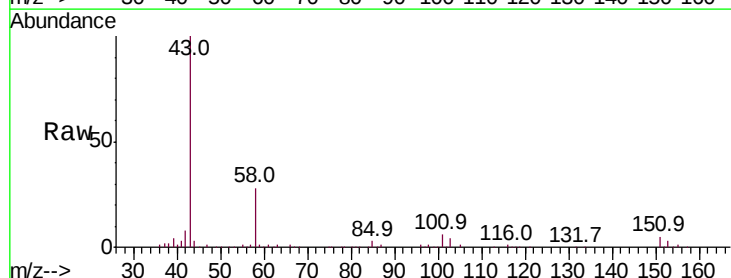
Acq: 13 Sep 2019 15:50

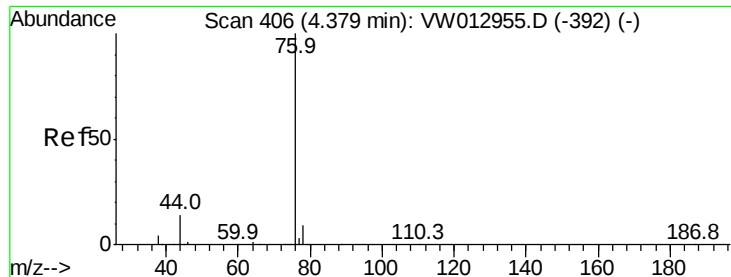
Tgt Ion: 43 Resp: 291653

Ion Ratio Lower Upper

43 100

58 27.7 22.3 33.5

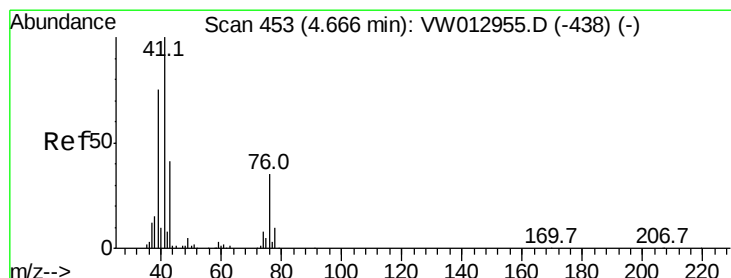
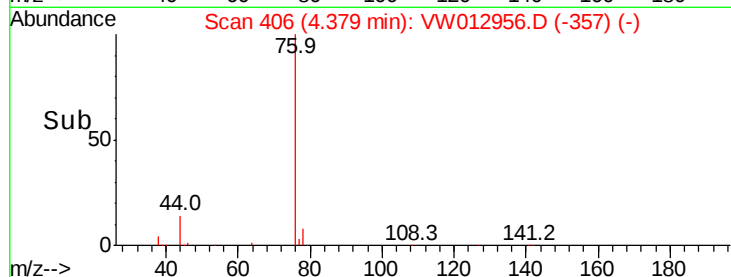
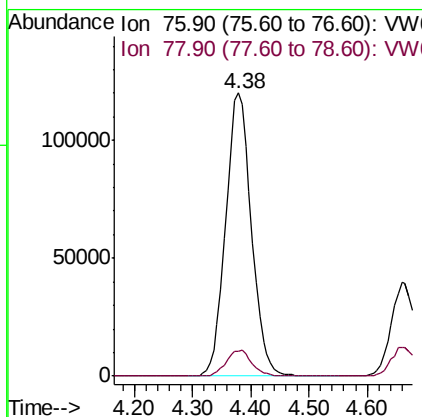
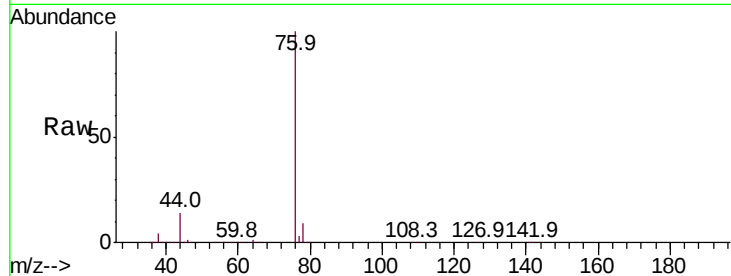




#17
Carbon Disulfide
Concen: 94.520 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

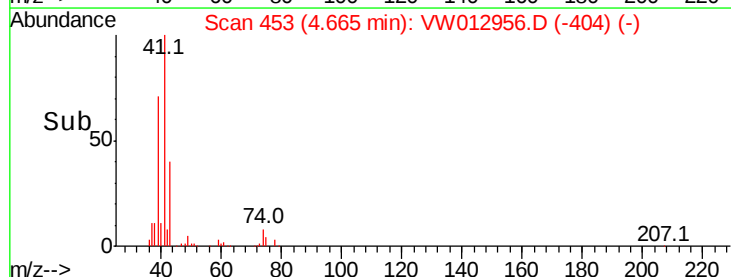
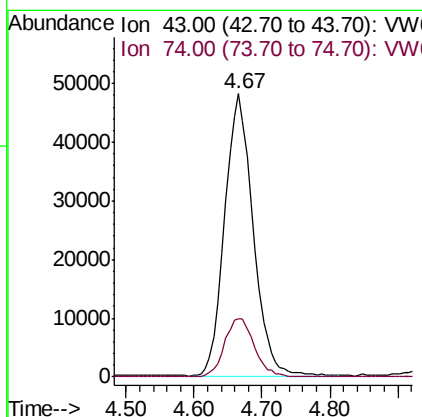
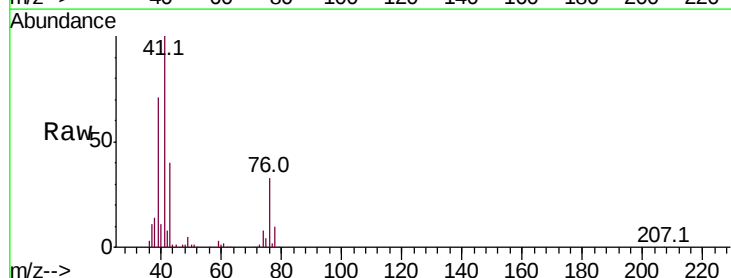
Instrument :
MSVOA_W
ClientSampled :

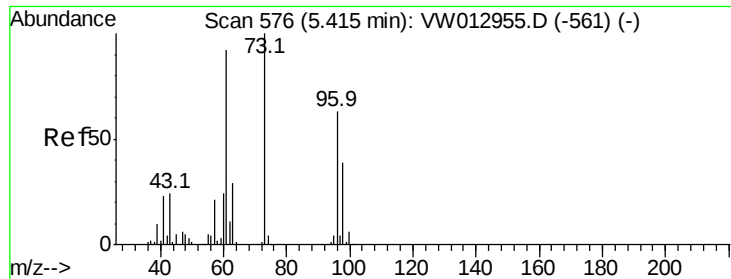
Tot Ion: 76 Resp: 368749
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.4



#18
Methyl Acetate
Concen: 93.453 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Tgt Ion: 43 Resp: 139463
Ion Ratio Lower Upper
43 100
74 21.6 17.8 26.8

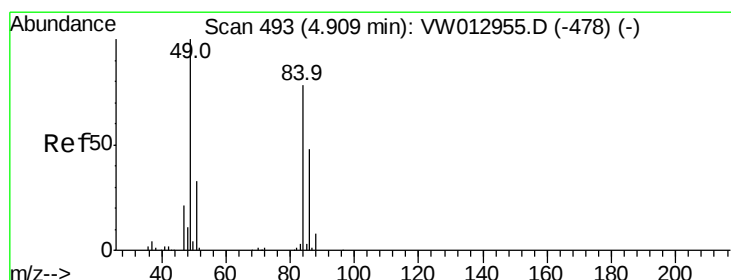
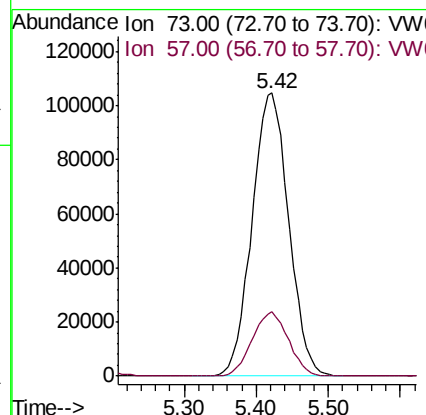
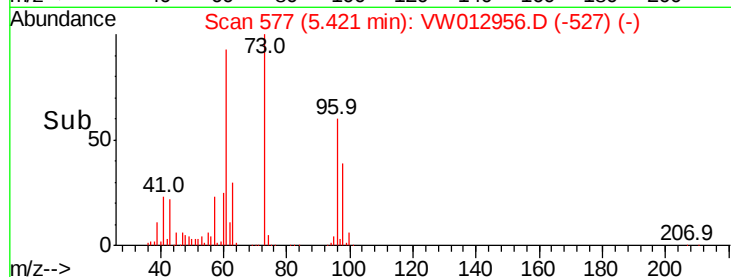
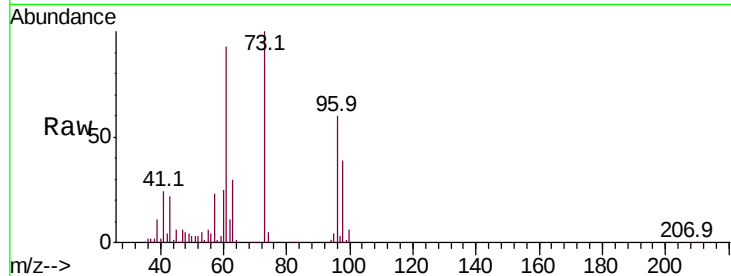




#19
Methvl tert-butvl Ether
Concen: 95.452 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

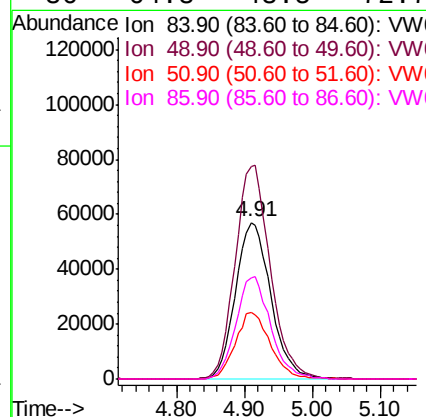
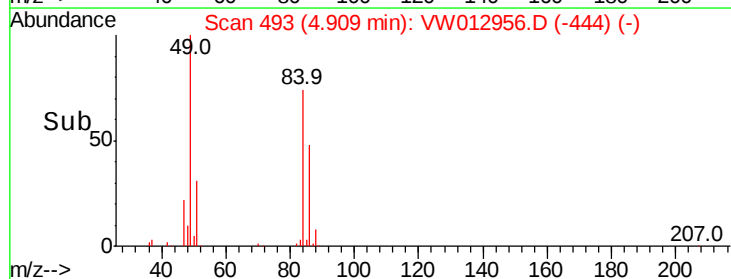
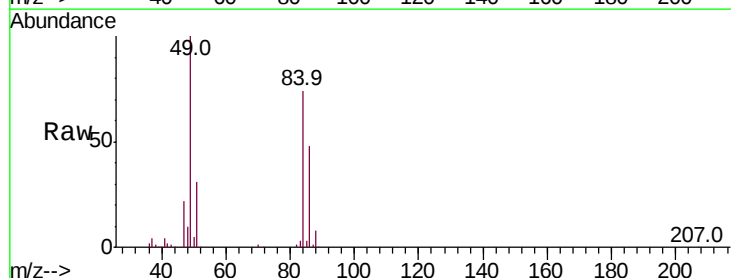
Instrument :
MSVOA_W
ClientSampled :

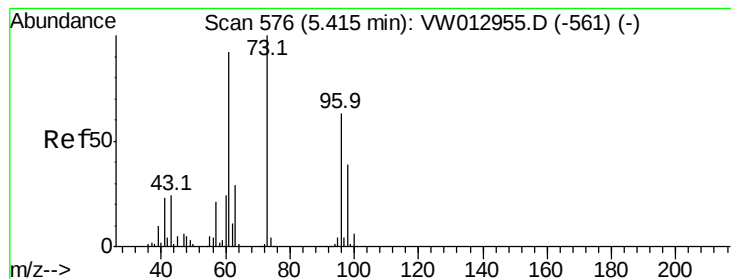
Tot Ion: 73 Resp: 368862
Ion Ratio Lower Upper
73 100
57 22.9 16.4 24.6



#20
Methylene Chloride
Concen: 83.593 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Tgt Ion: 84 Resp: 205812
Ion Ratio Lower Upper
84 100
49 136.0 102.0 153.0
51 42.7 34.0 51.0
86 64.8 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 94.970 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Instrument :

MSVOA_W

ClientSampled :

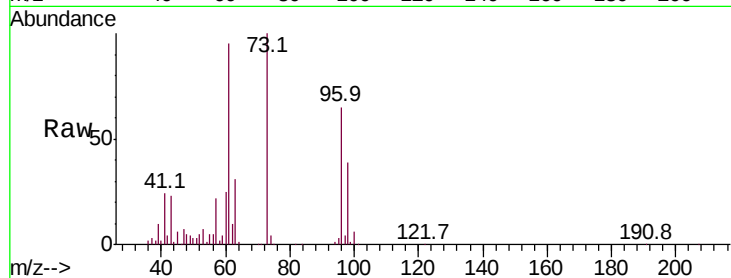
Tot Ion: 96 Resp: 199127

Ion Ratio Lower Upper

96 100

61 147.3 116.2 174.2

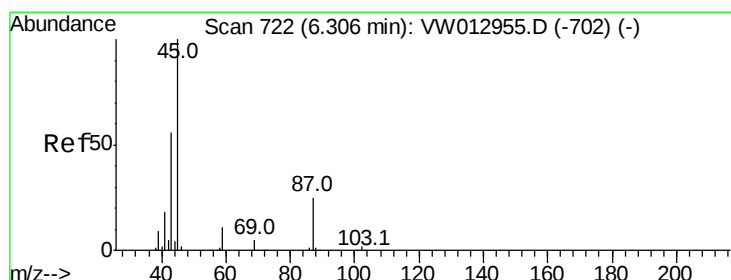
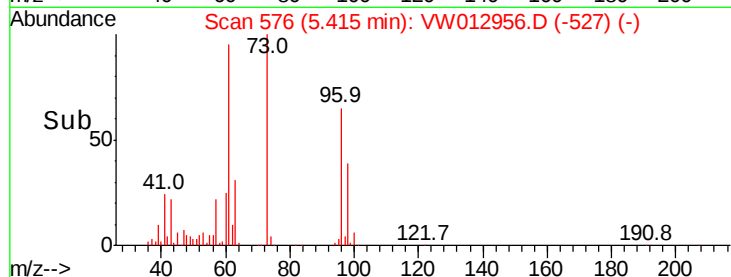
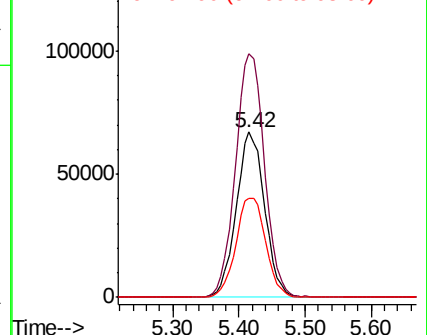
98 60.0 49.8 74.6



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 97.337 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Tgt Ion: 45 Resp: 751517

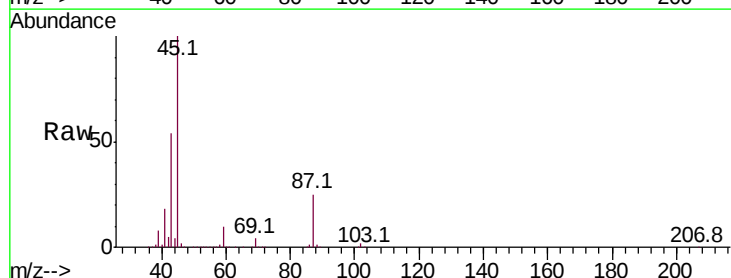
Ion Ratio Lower Upper

45 100

43 53.8 44.6 67.0

87 25.0 20.0 30.0

59 10.4 8.7 13.1

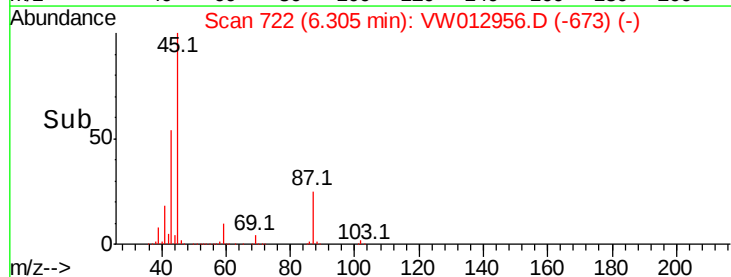
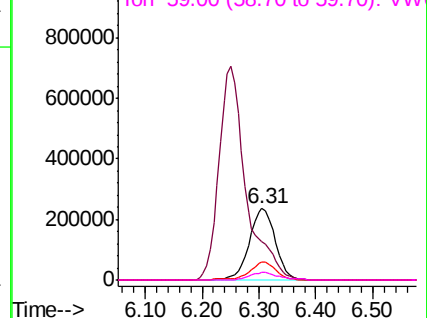


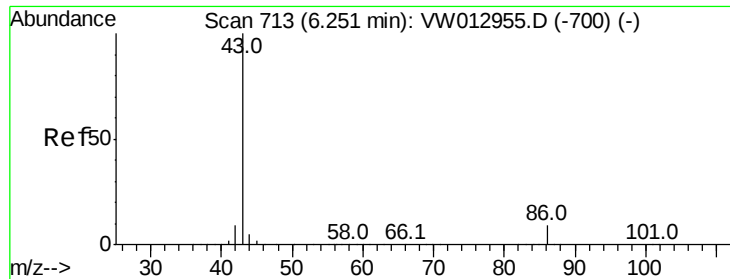
Abundance Ion 45.00 (44.70 to 45.70): VW

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: 502.045 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Instrument :

MSVOA_W

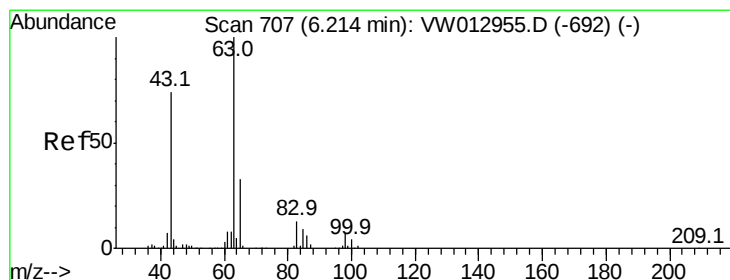
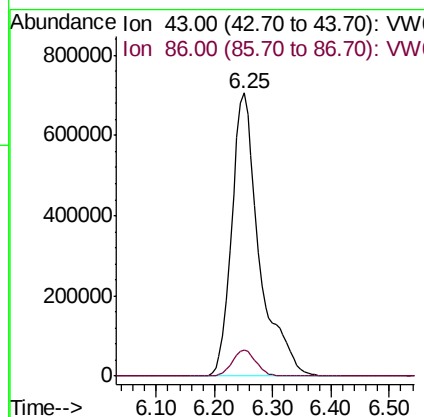
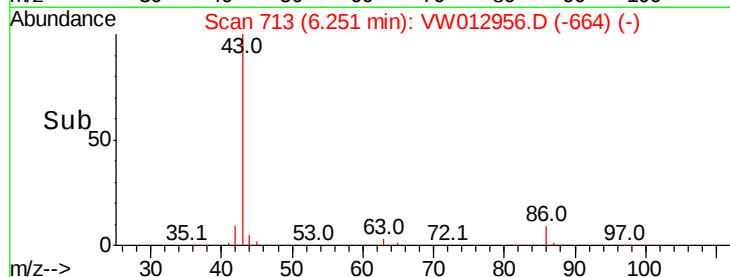
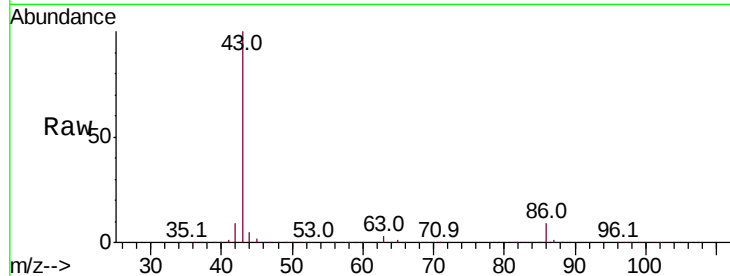
ClientSampleId :

Tot Ion: 43 Resp: 2321602

Ion Ratio Lower Upper

43 100

86 9.3 7.0 10.6



#24

1,1-Dichloroethane

Concen: 95.649 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

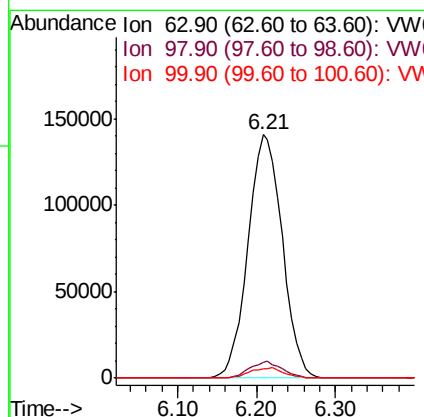
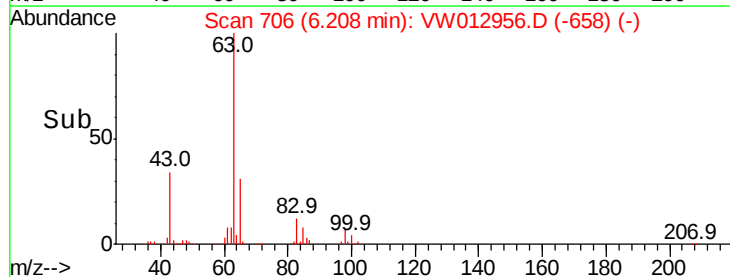
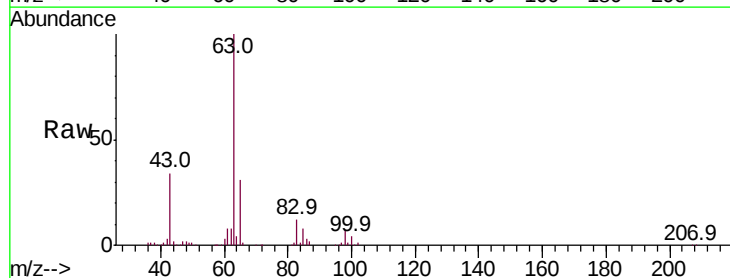
Tgt Ion: 63 Resp: 425787

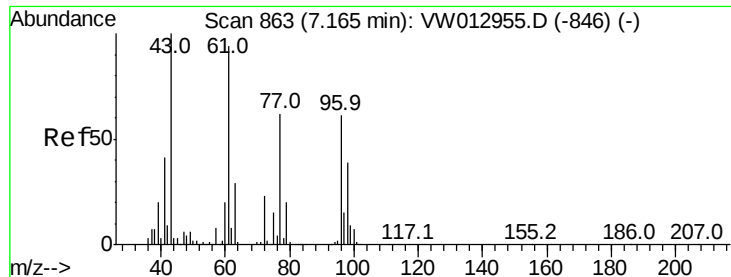
Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

100 4.1 1.8 5.5





#25

2-Butanone

Concen: 474.245 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

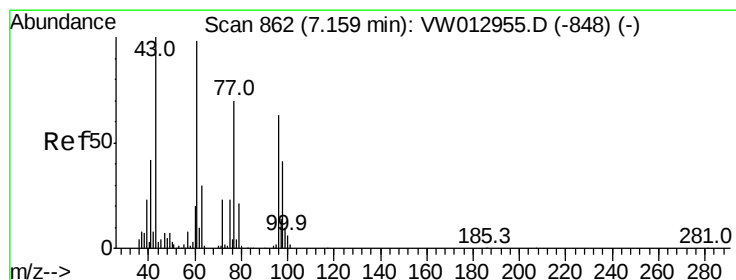
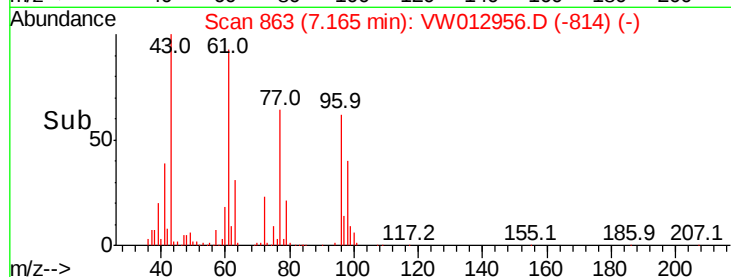
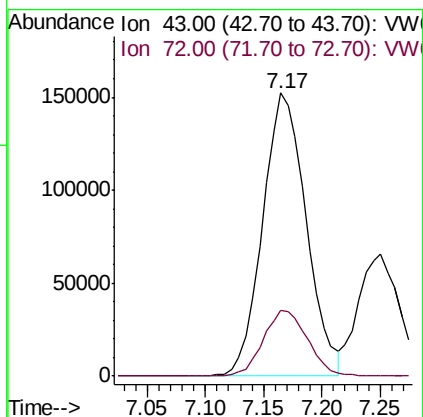
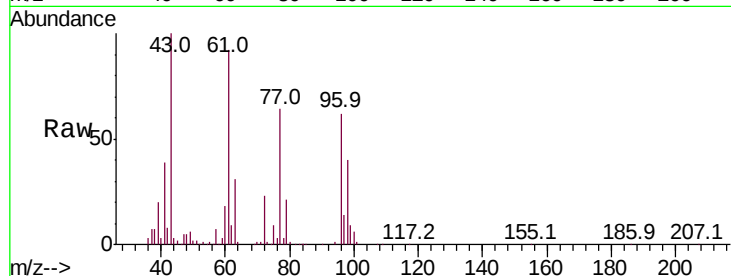
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 395000

Ion Ratio Lower Upper

43 100

72 23.4 18.2 27.4



#26

2,2-Dichloropropane

Concen: 88.679 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW012956.D

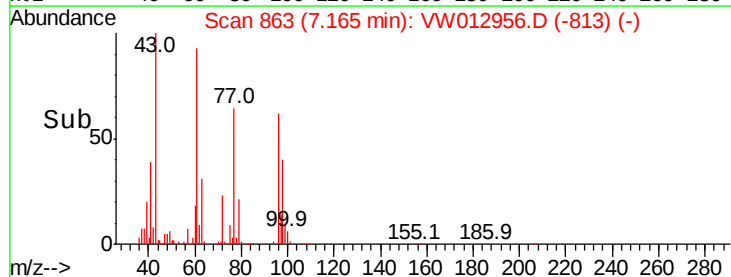
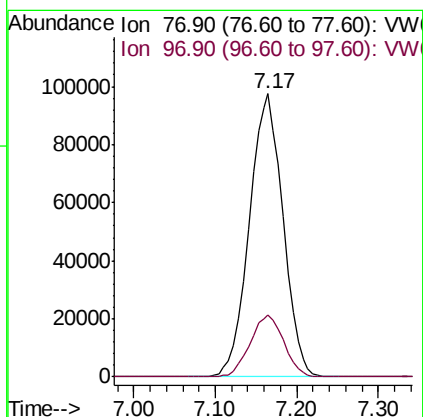
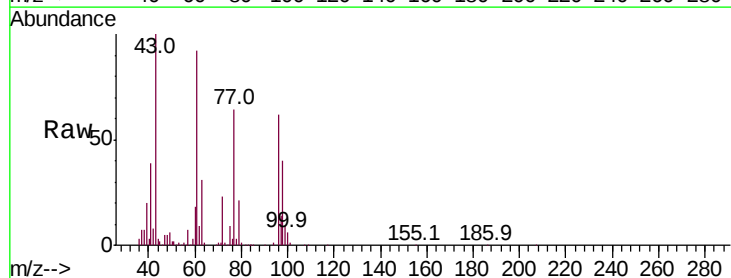
Acq: 13 Sep 2019 15:50

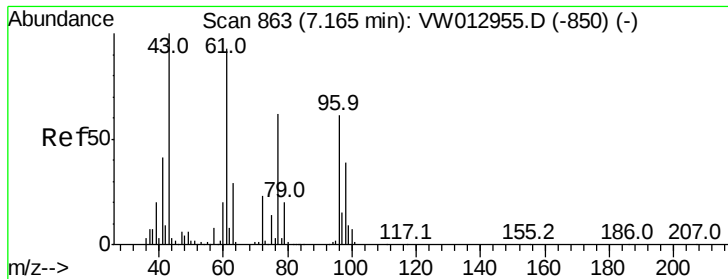
Tgt Ion: 77 Resp: 279919

Ion Ratio Lower Upper

77 100

97 21.9 10.7 32.1



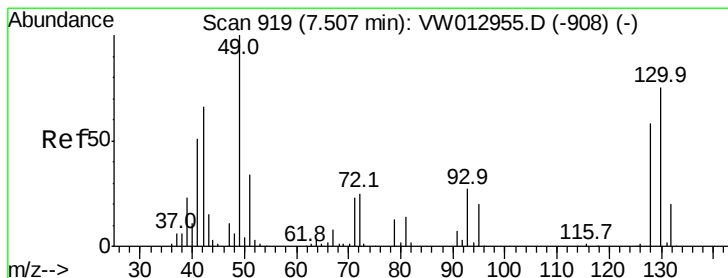
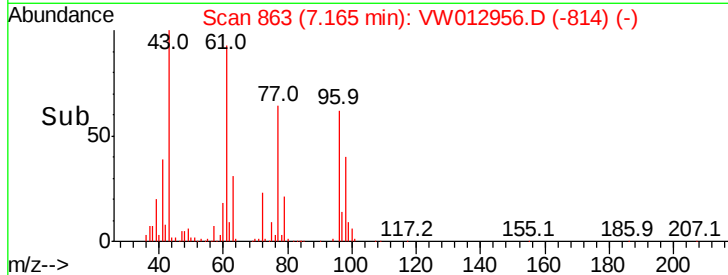
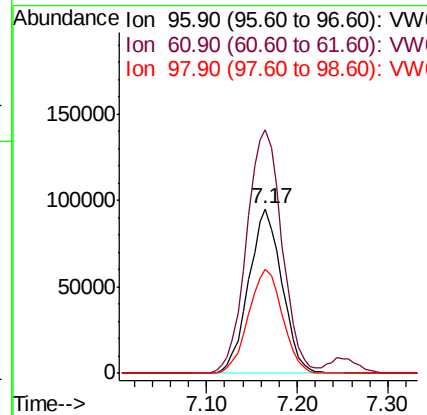
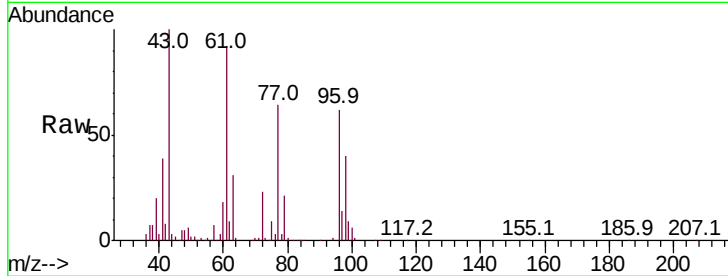


#27

cis-1,2-Dichloroethene
Concen: 96.086 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Instrument :
MSVOA_W
ClientSampled :

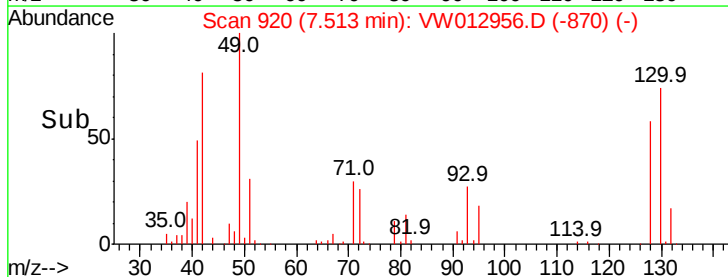
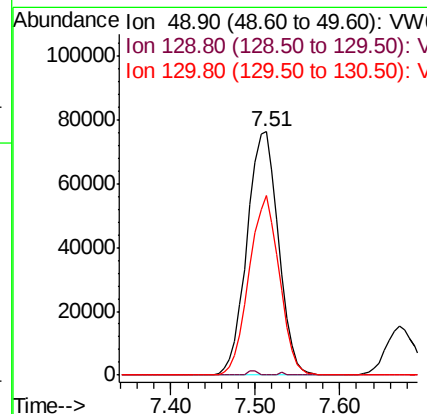
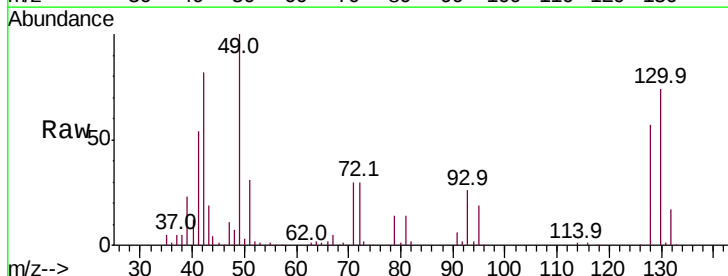
Tot Ion	Ratio	Lower	Upper
96	100		
61	157.3	0.0	315.4
98	64.8	0.0	131.0

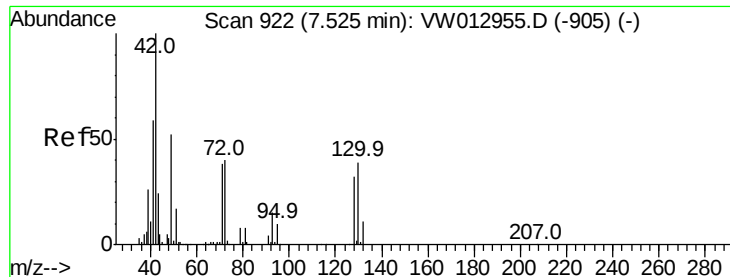


#28

Bromochloromethane
Concen: 102.623 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	1.4
130	71.3	57.8	86.6





#29

Tetrahydrofuran

Concen: 489.080 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Instrument :
MSVOA_W
ClientSampleId :

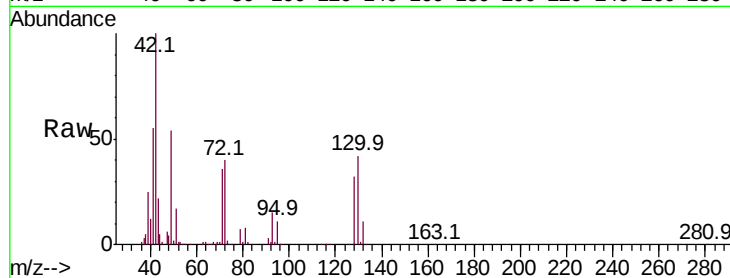
Tot Ion: 42 Resp: 232104

Ion Ratio Lower Upper

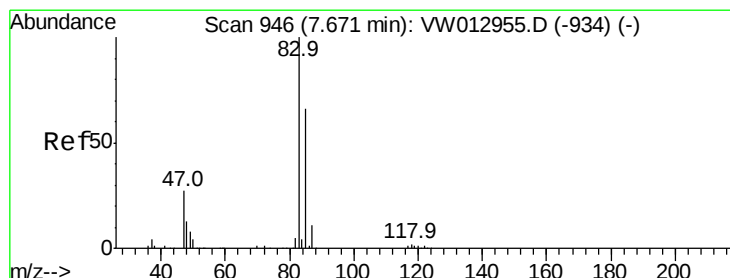
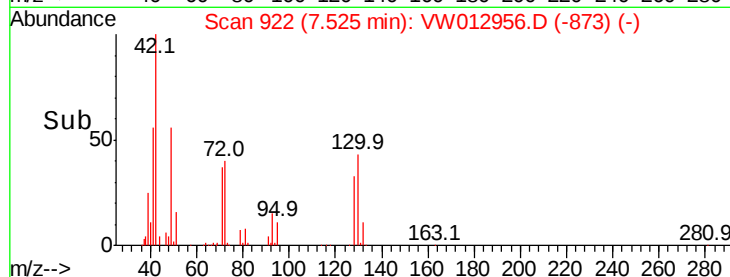
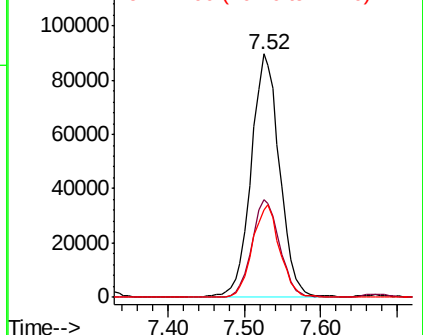
42 100

72 39.3 31.4 47.0

71 36.8 29.8 44.8



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



#30

Chloroform

Concen: 94.467 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW012956.D

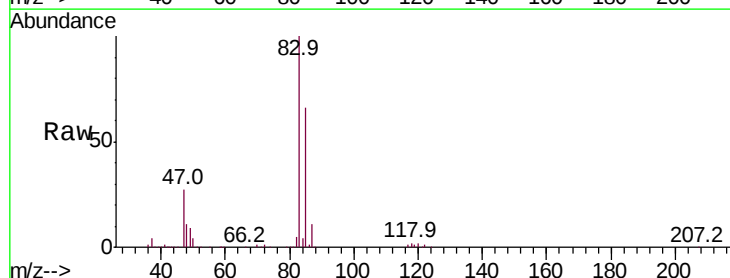
Acq: 13 Sep 2019 15:50

Tgt Ion: 83 Resp: 427287

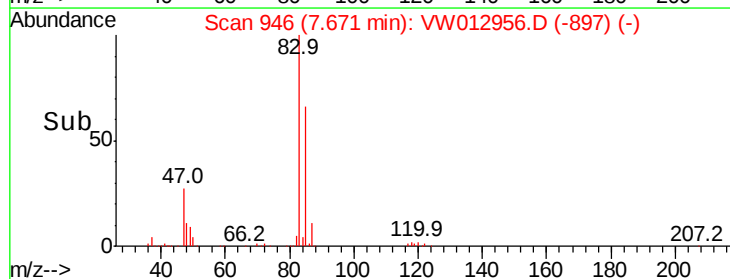
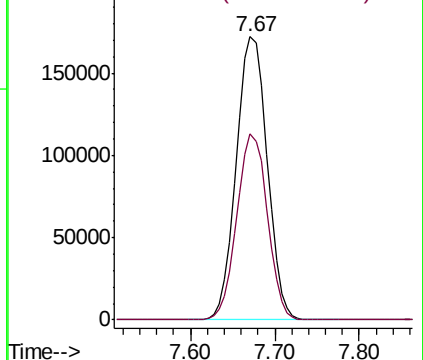
Ion Ratio Lower Upper

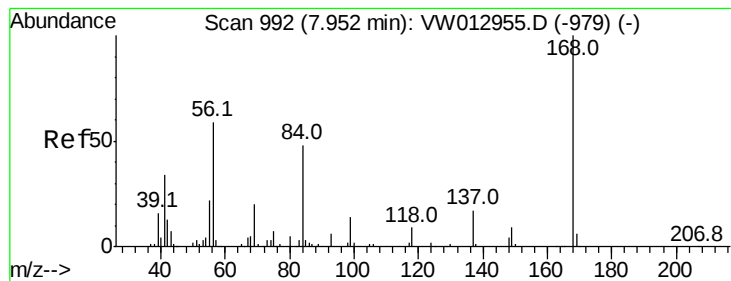
83 100

85 65.6 52.8 79.2



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





#31

Cyclohexane

Concen: 85.794 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Instrument :
MSVOA_W
ClientSampled :

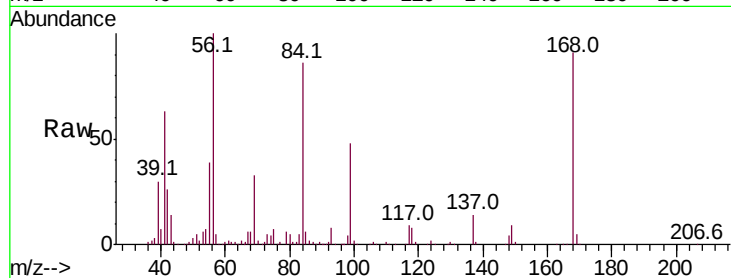
Tot Ion: 56 Resp: 325399

Ion Ratio Lower Upper

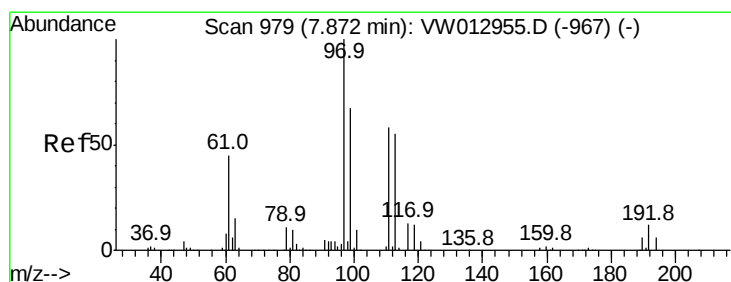
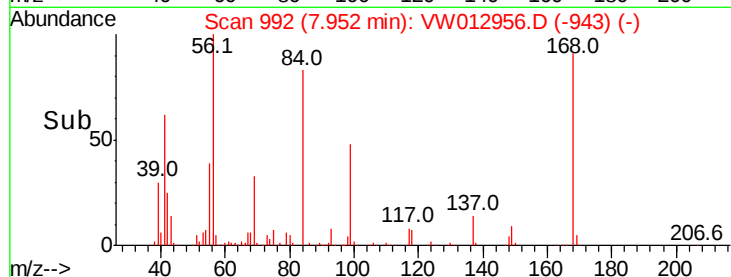
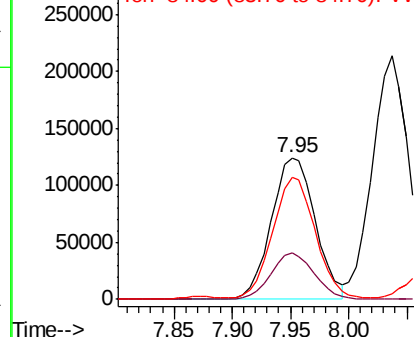
56 100

69 32.8 27.0 40.6

84 84.4 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: 96.943 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

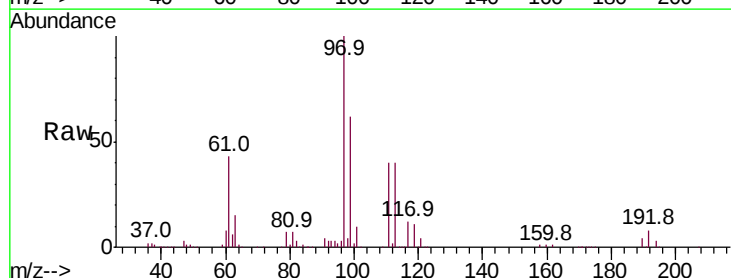
Tgt Ion: 97 Resp: 361102

Ion Ratio Lower Upper

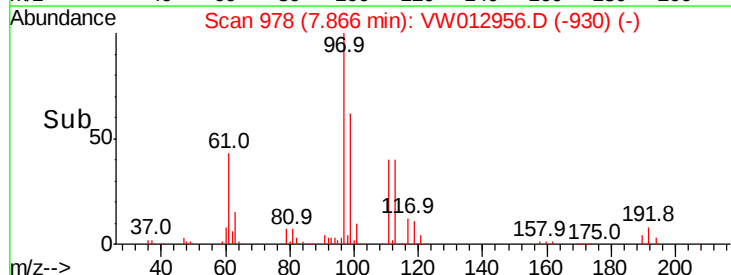
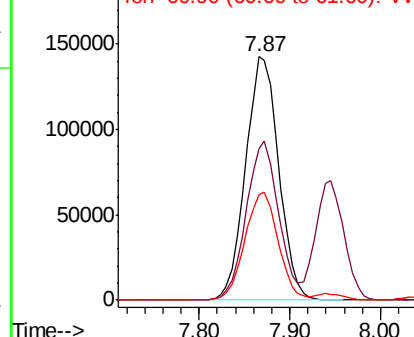
97 100

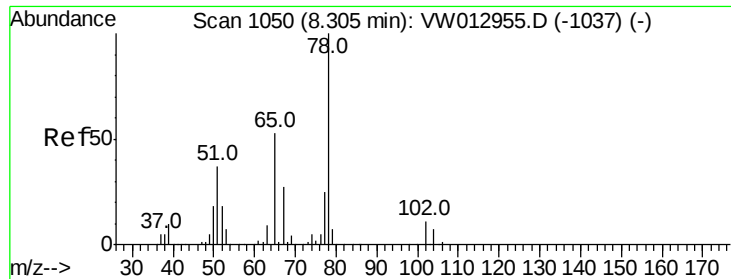
99 63.9 53.0 79.4

61 44.6 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

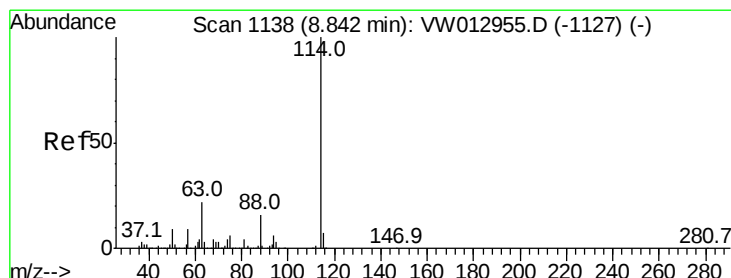
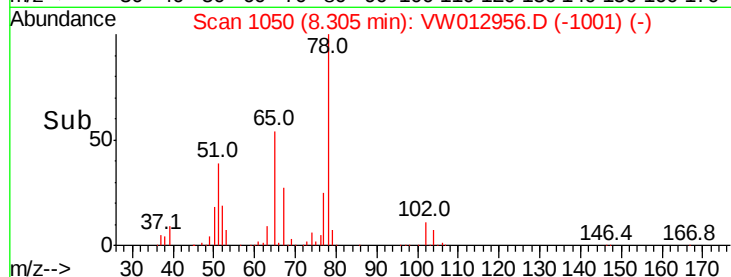
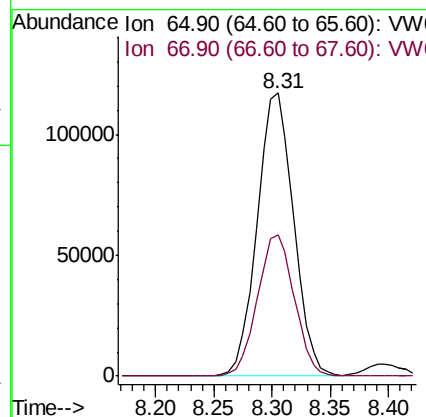
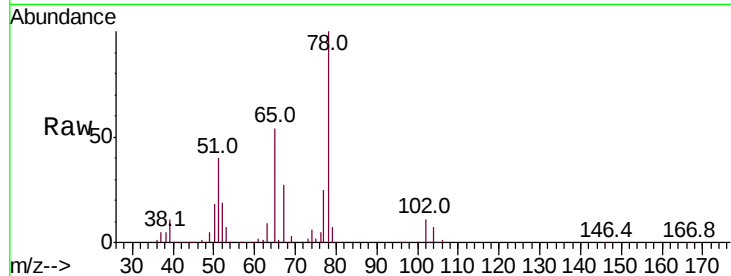




#33
 1,2-Dichloroethane-d4
 Concen: 97.223 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012956.D
 Acq: 13 Sep 2019 15:50

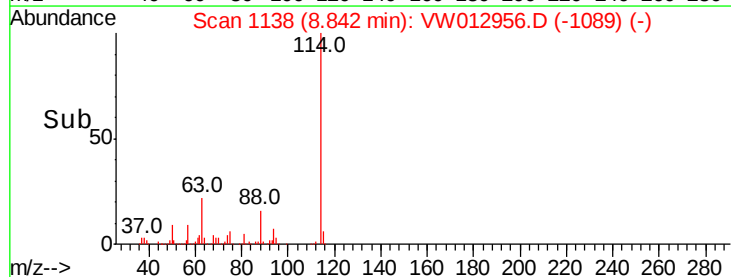
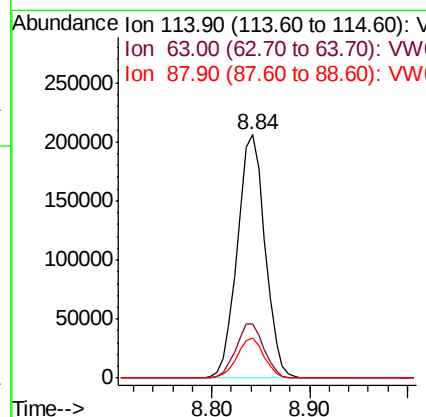
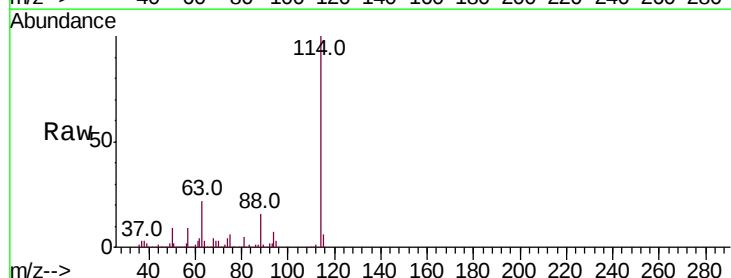
Instrument :
 MSVOA_W
 ClientSampleId :

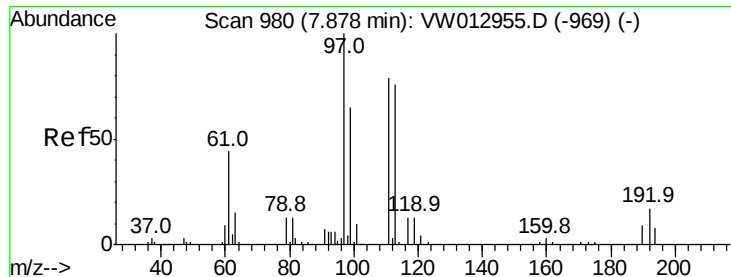
Tot Ion: 65 Resp: 254664
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012956.D
 Acq: 13 Sep 2019 15:50

Tgt Ion: 114 Resp: 405241
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 43.4
 88 16.4 0.0 31.6





#35

Dibromofluoromethane

Concen: 99.177 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Instrument :
MSVOA_W
ClientSampled :

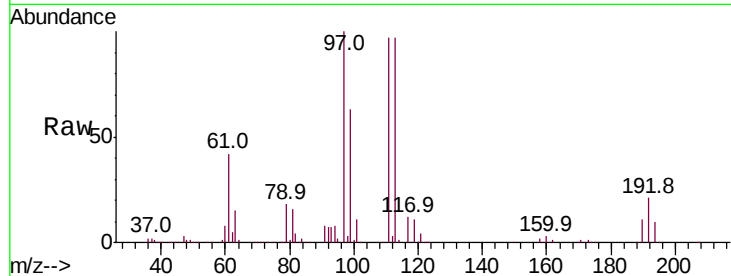
Tot Ion:113 Resp: 218079

Ion Ratio Lower Upper

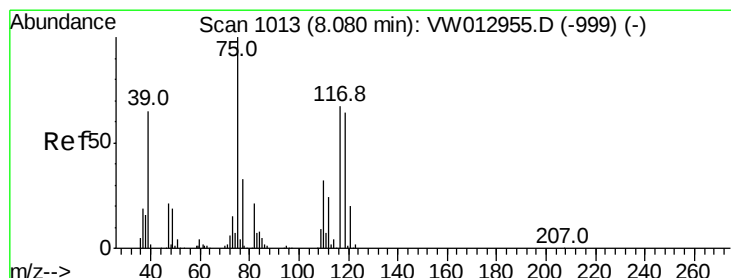
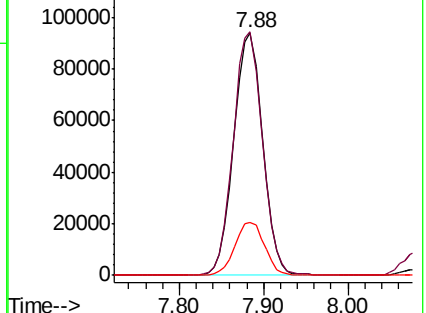
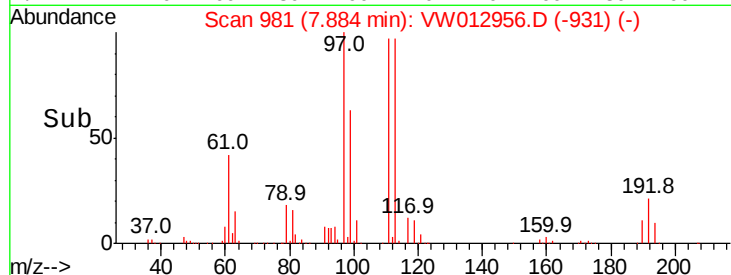
113 100

111 101.4 82.8 124.2

192 22.4 17.8 26.8



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 95.890 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

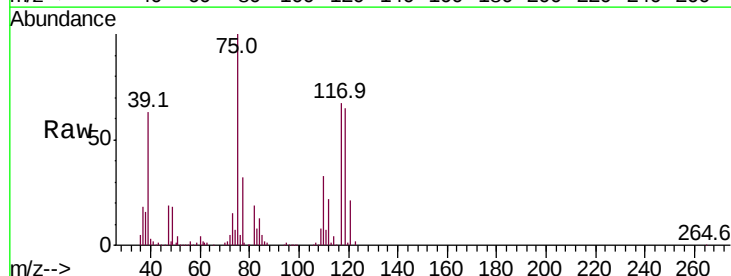
Tgt Ion: 75 Resp: 310514

Ion Ratio Lower Upper

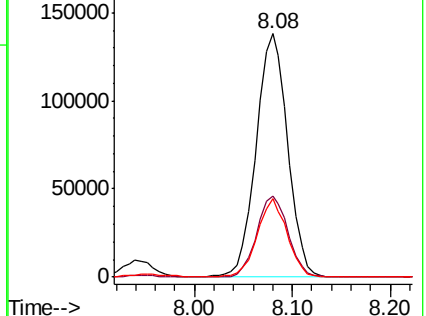
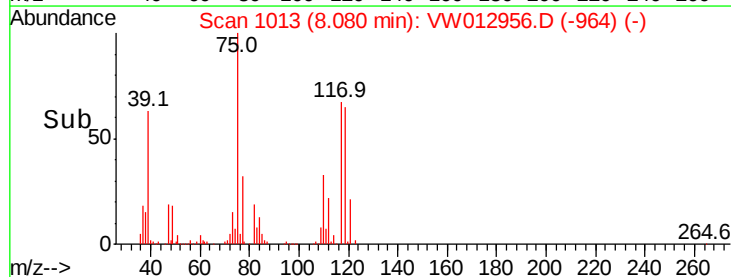
75 100

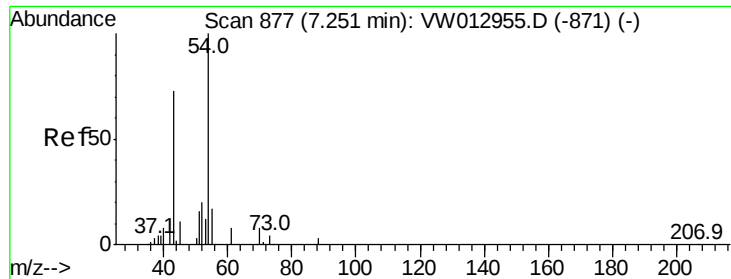
110 33.3 16.4 49.1

77 30.8 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW

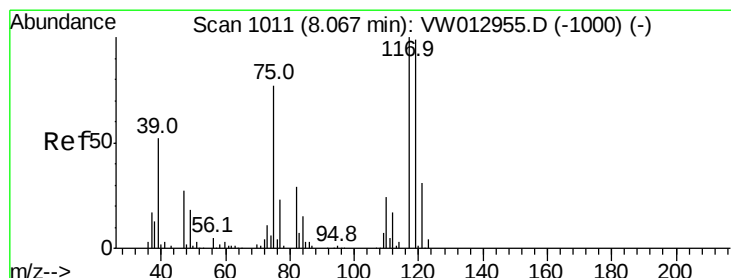
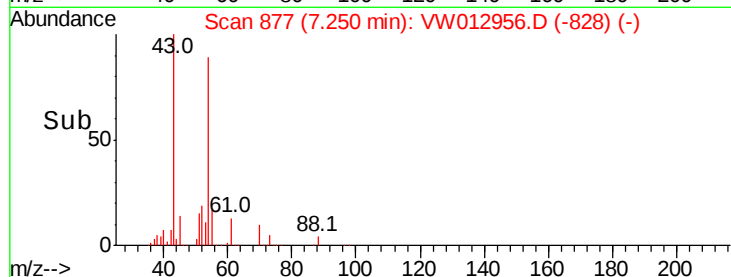
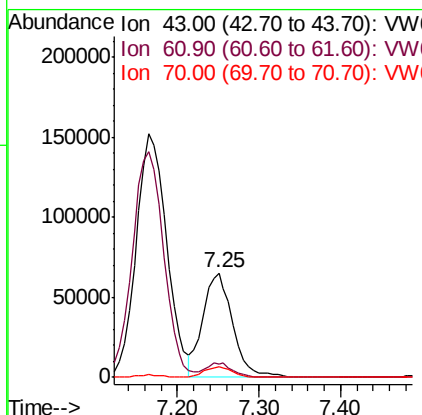
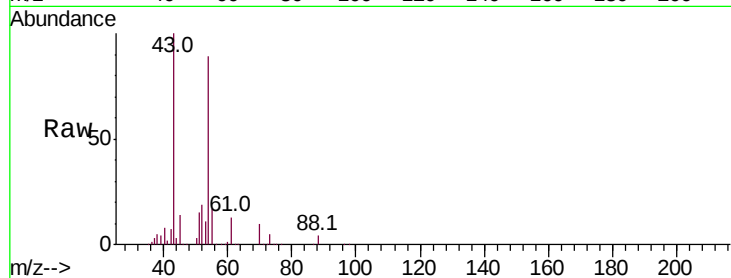




#37
Ethyl Acetate
Concen: 97.016 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

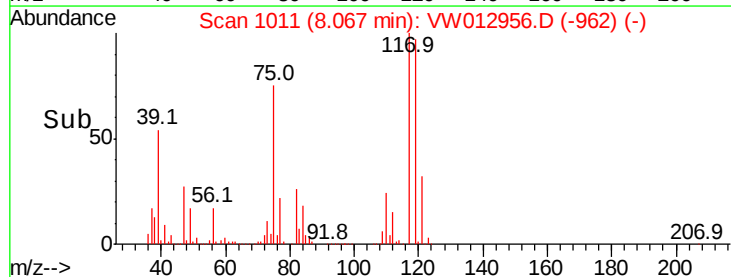
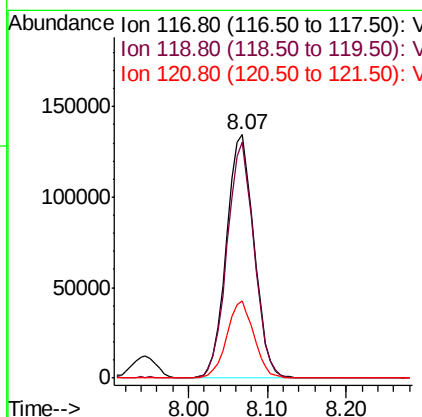
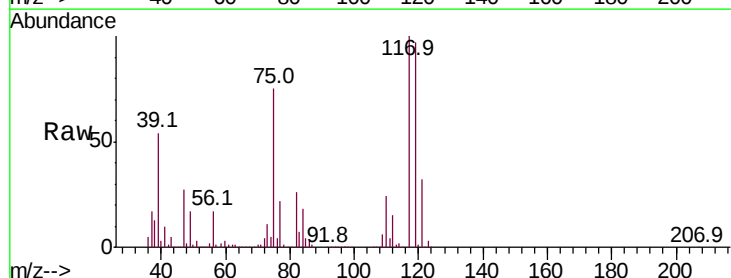
Instrument :
MSVOA_W
ClientSampled :

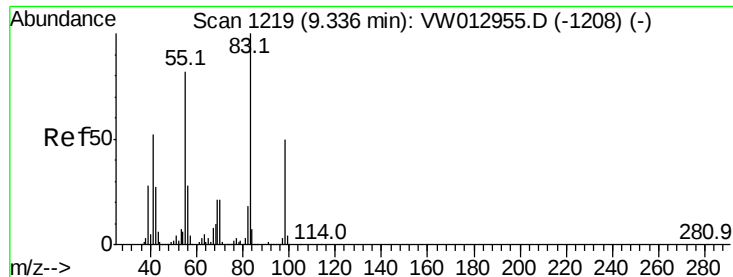
Tot Ion: 43 Resp: 166752
Ion Ratio Lower Upper
43 100
61 12.7 9.6 14.4
70 9.8 7.6 11.4



#38
Carbon Tetrachloride
Concen: 99.165 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Tgt Ion: 117 Resp: 329076
Ion Ratio Lower Upper
117 100
119 96.8 79.4 119.0
121 31.6 24.6 36.8

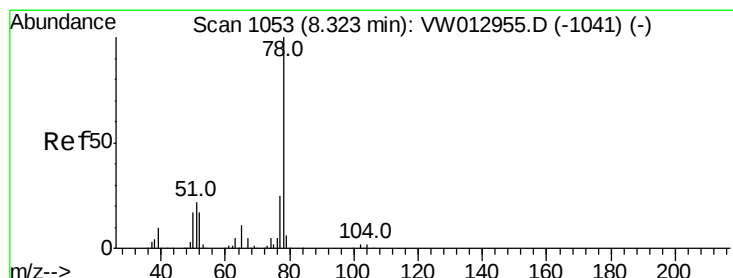
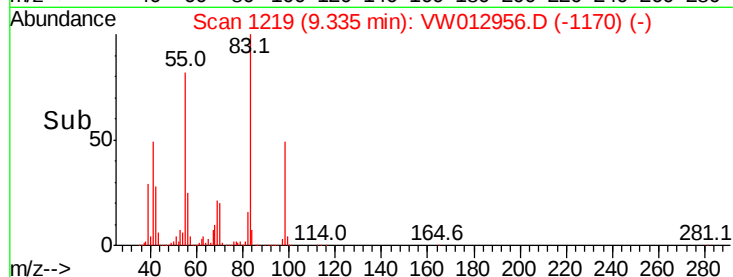
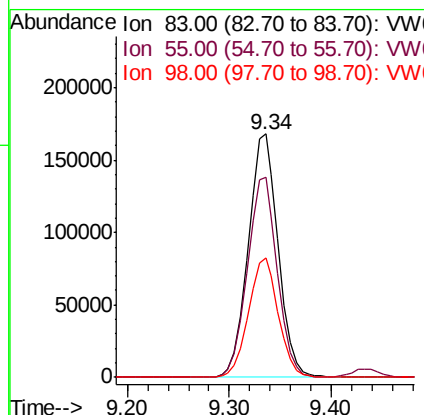
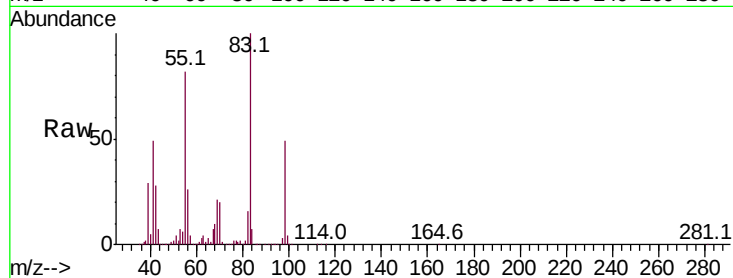




#39
Methvlcvclohexane
Concen: 96.329 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

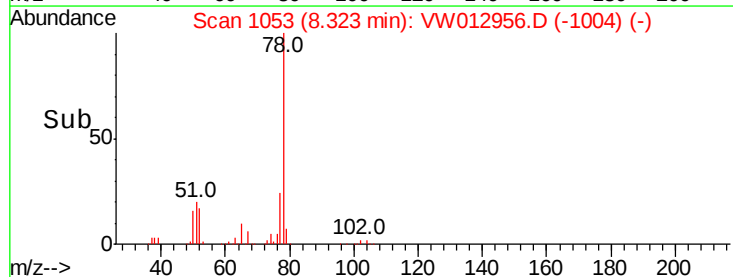
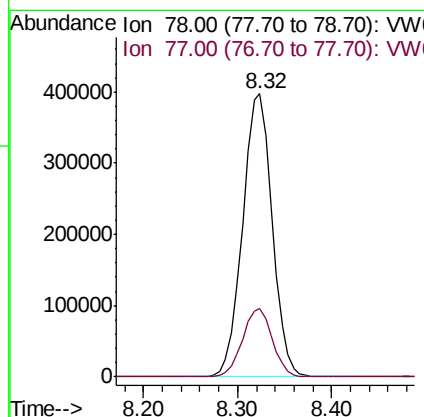
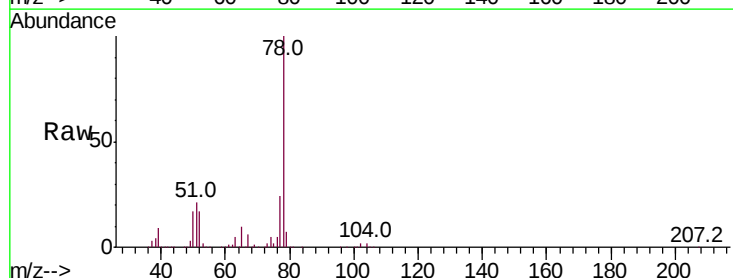
Instrument :
MSVOA_W
ClientSampleId :

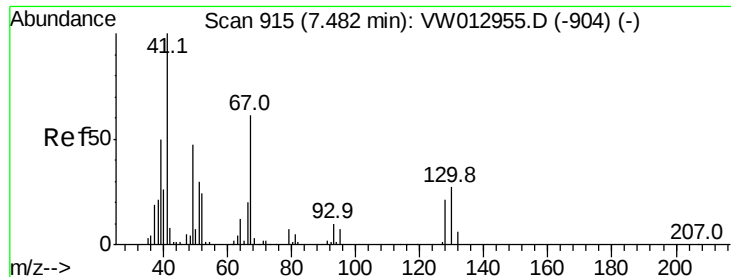
Tot Ion: 83 Resp: 341813
Ion Ratio Lower Upper
83 100
55 82.4 65.9 98.9
98 49.0 39.6 59.4



#40
Benzene
Concen: 96.562 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Tgt Ion: 78 Resp: 872924
Ion Ratio Lower Upper
78 100
77 24.0 19.6 29.4





#41

Methacrylonitrile

Concen: 95.340 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 41 Resp: 107915

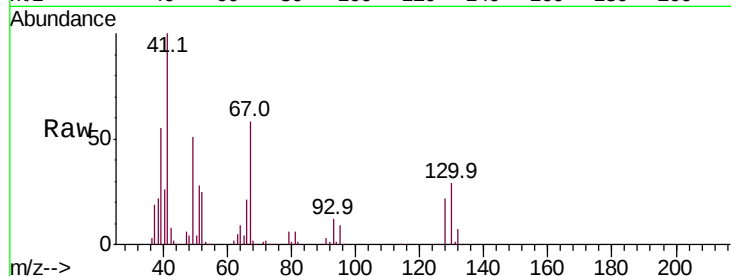
Ion	Ratio	Lower	Upper
41	100		
39	54.6	48.2	72.4
67	60.4	47.5	71.3
52	26.6	21.0	31.4

41 100

39 54.6 48.2 72.4

67 60.4 47.5 71.3

52 26.6 21.0 31.4

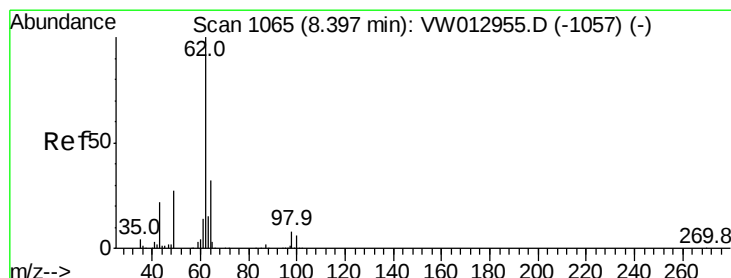
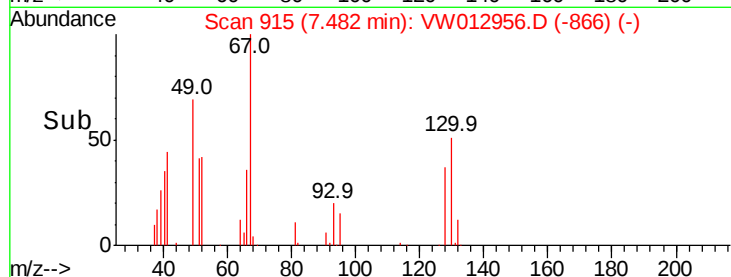
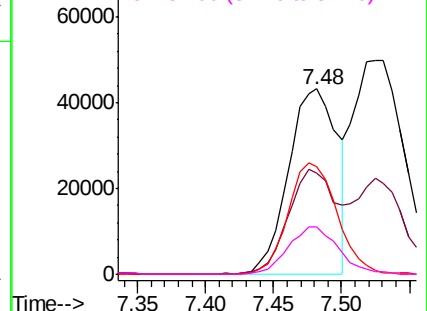


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 96.339 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW012956.D

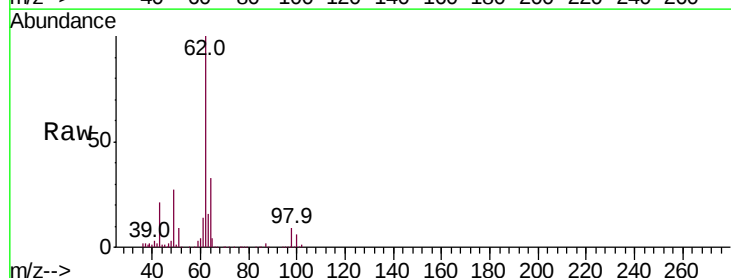
Acq: 13 Sep 2019 15:50

Tgt Ion: 62 Resp: 291945

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	16.8

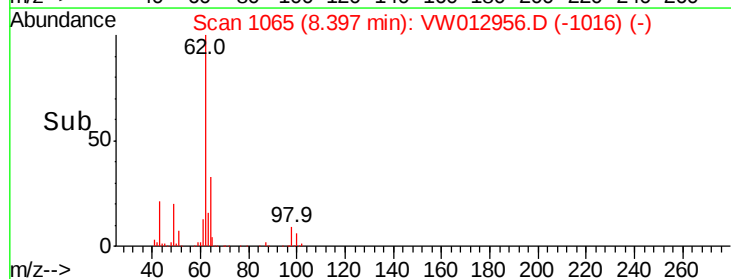
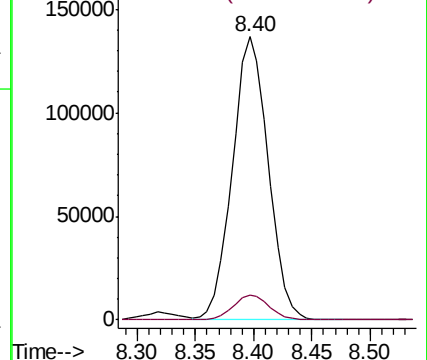
62 100

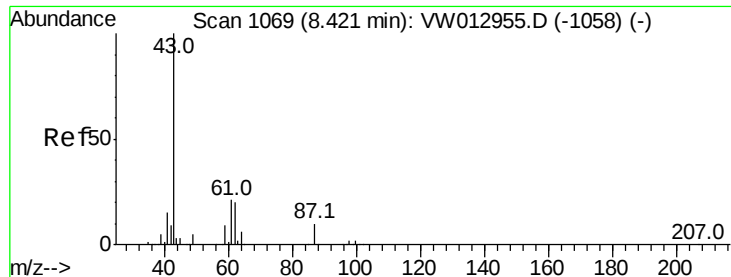
98 8.7 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 100.535 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Instrument :

MSVOA_W

ClientSampleId :

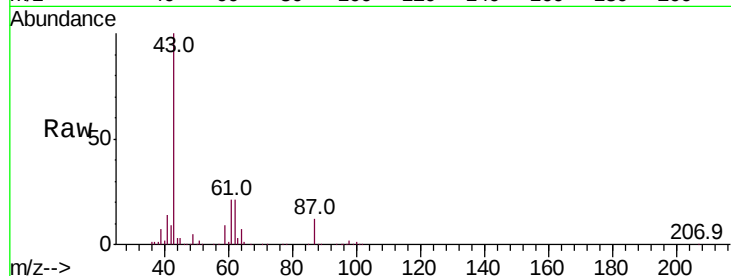
Tot Ion: 43 Resp: 331785

Ion Ratio Lower Upper

43 100

61 27.8 22.7 34.1

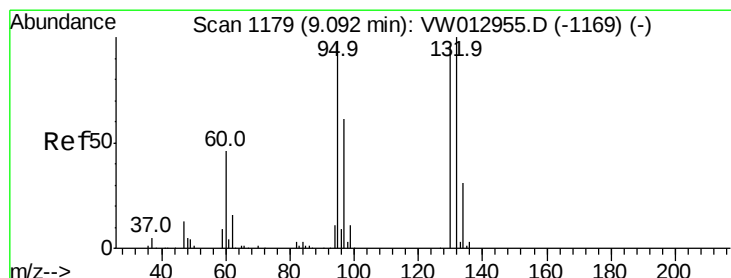
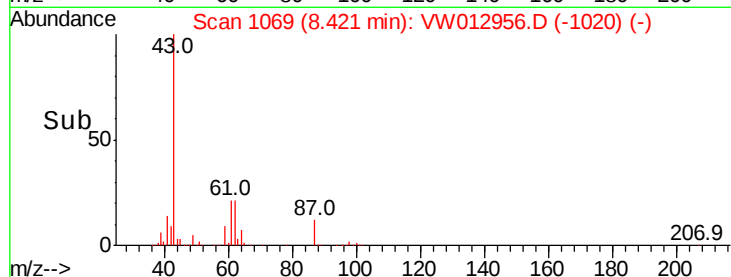
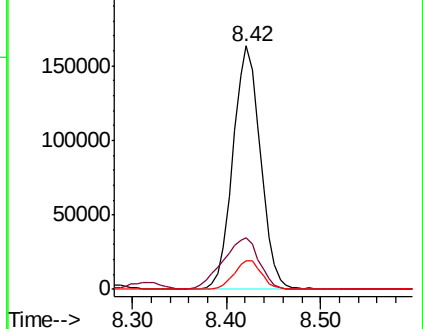
87 11.9 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 96.215 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012956.D

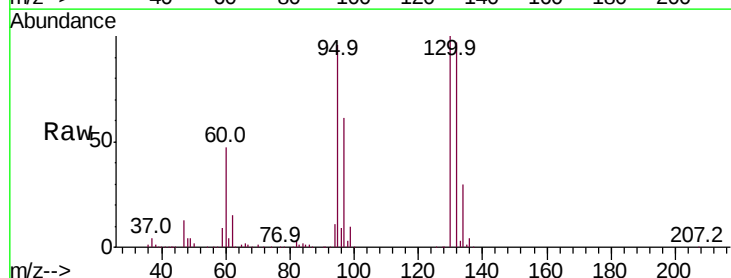
Acq: 13 Sep 2019 15:50

Tgt Ion:130 Resp: 238243

Ion Ratio Lower Upper

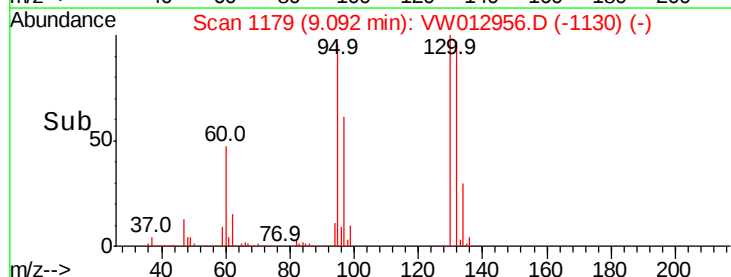
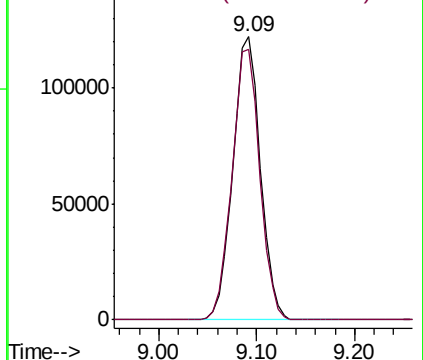
130 100

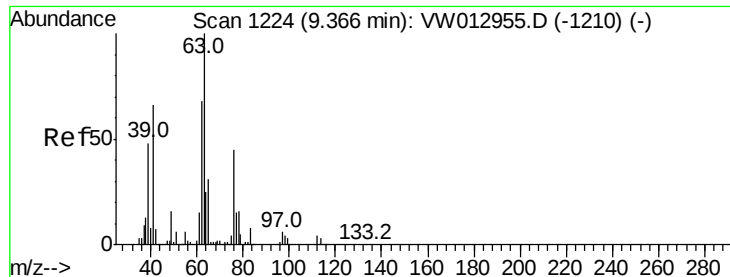
95 95.7 0.0 204.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 97.001 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Instrument :

MSVOA_W

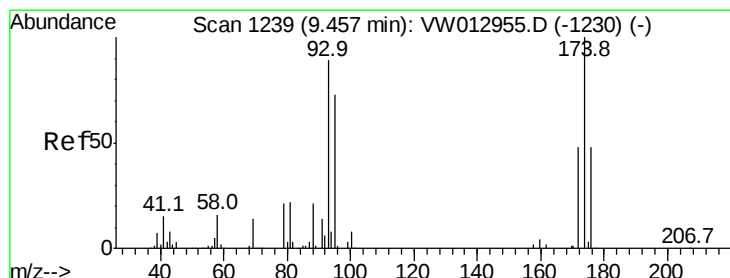
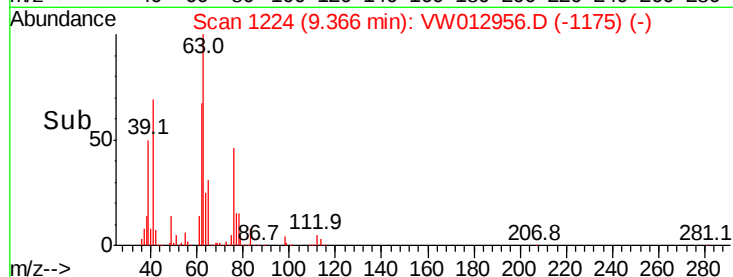
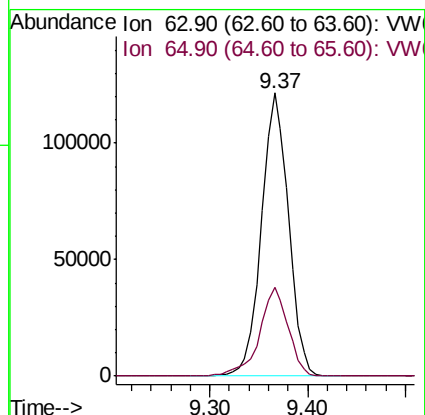
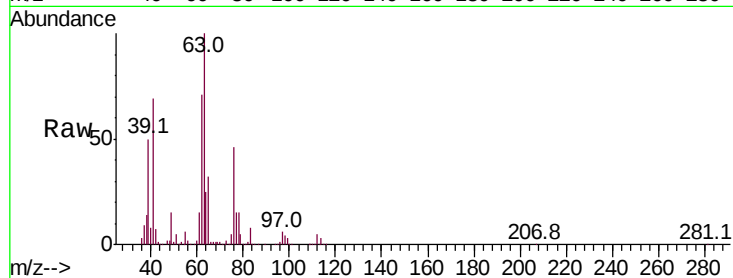
ClientSampleId :

Tot Ion: 63 Resp: 232977

Ion Ratio Lower Upper

63 100

65 31.6 24.6 37.0



#46

Dibromomethane

Concen: 97.191 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

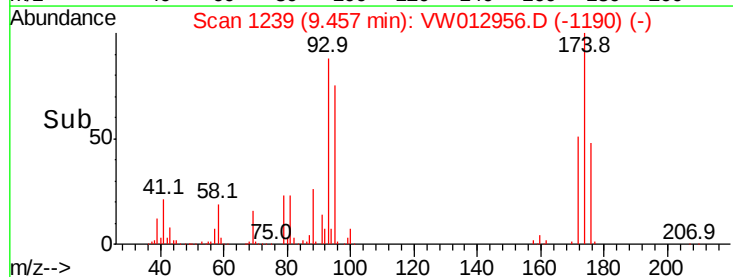
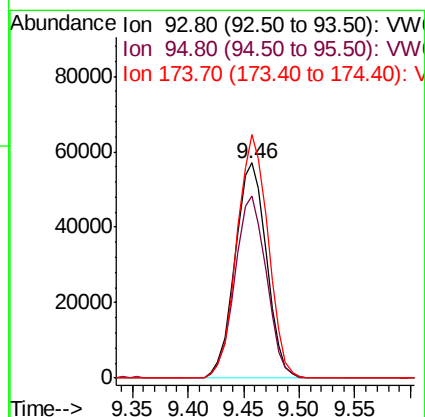
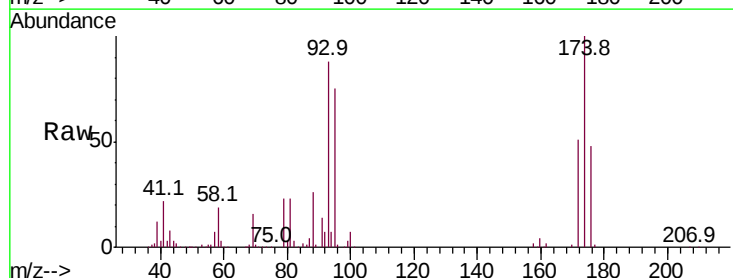
Tgt Ion: 93 Resp: 111838

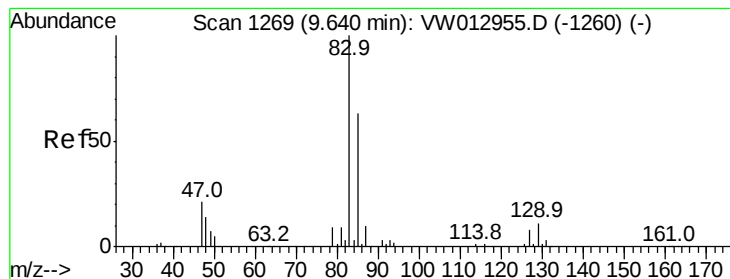
Ion Ratio Lower Upper

93 100

95 84.6 67.0 100.4

174 112.2 90.5 135.7





#47

Bromodichloromethane

Concen: 100.769 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Instrument :

MSVOA_W

ClientSampleId :

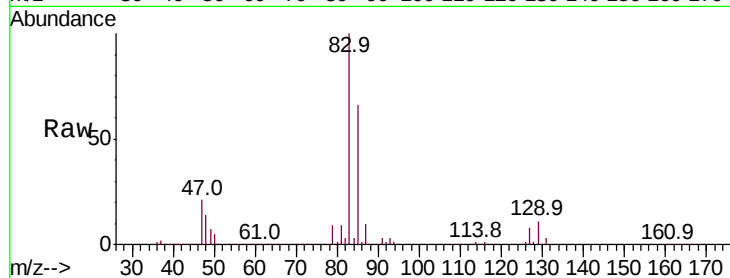
Tot Ion: 83 Resp: 325254

Ion Ratio Lower Upper

83 100

85 66.1 50.6 75.8

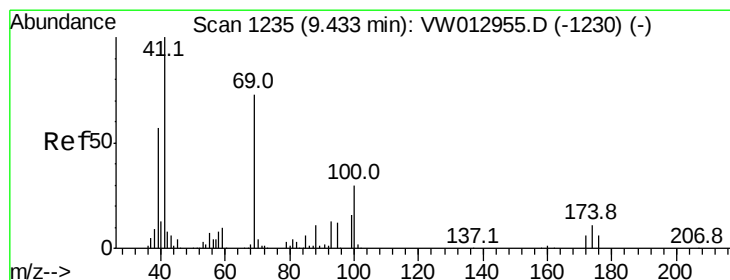
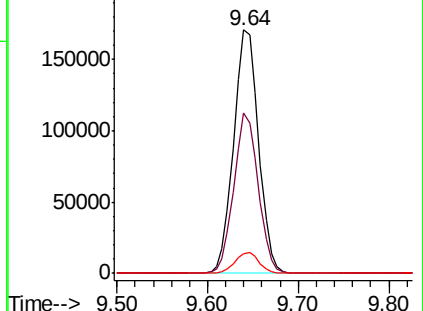
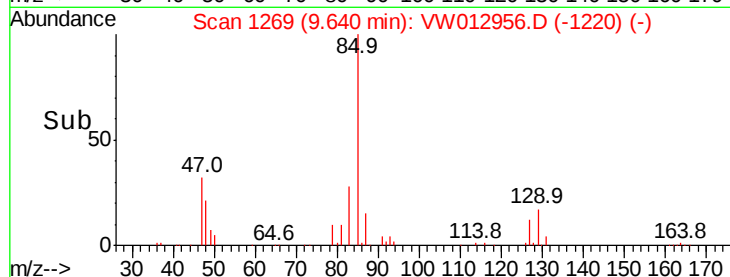
127 8.2 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 103.144 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

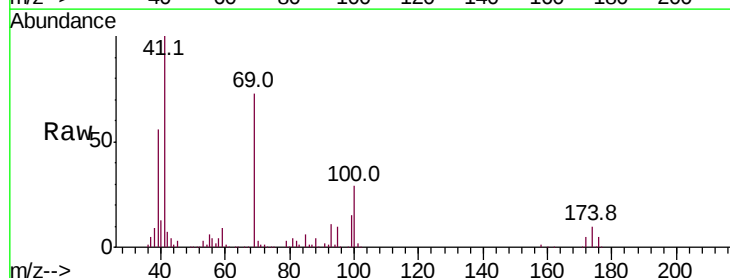
Tgt Ion: 41 Resp: 159752

Ion Ratio Lower Upper

41 100

69 76.3 62.8 94.2

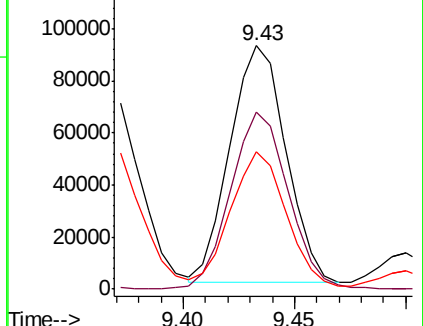
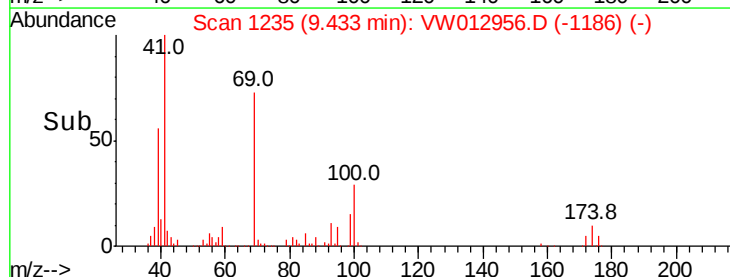
39 58.5 48.5 72.7

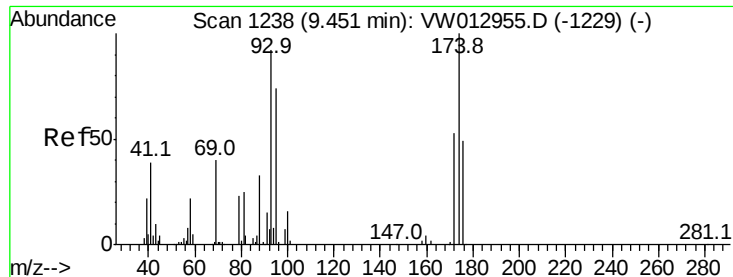


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1943.372 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

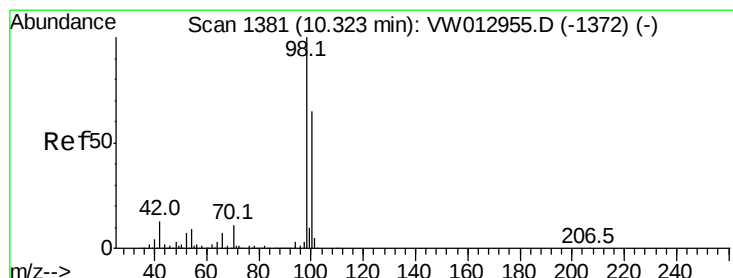
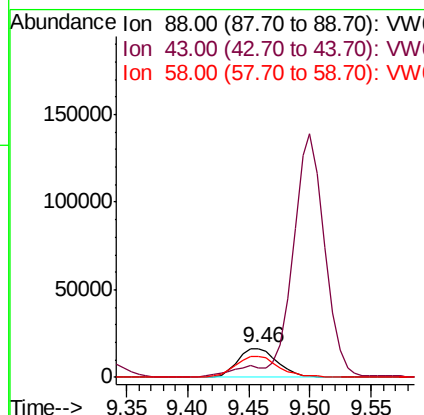
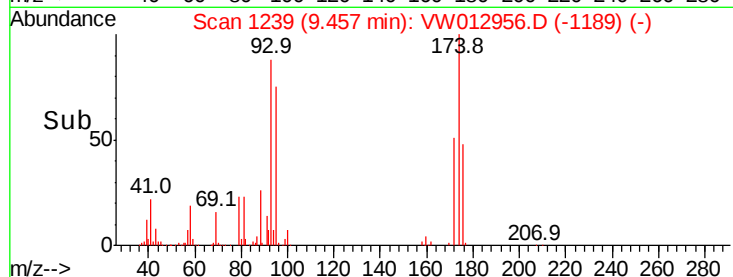
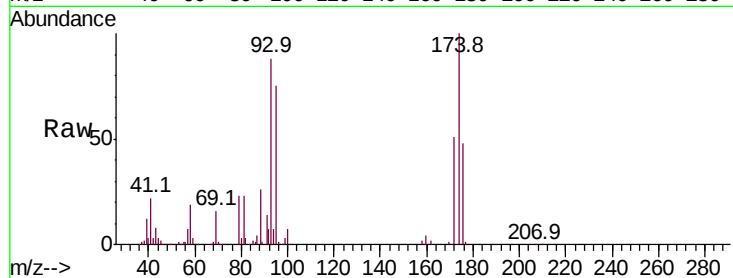
Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 37471

Ion	Ratio	Lower	Upper
88	100		
43	0.0	31.3	46.9#
58	79.7	60.2	90.2



#50

Toluene-d8

Concen: 101.749 ug/l

RT: 10.32 min Scan# 1381

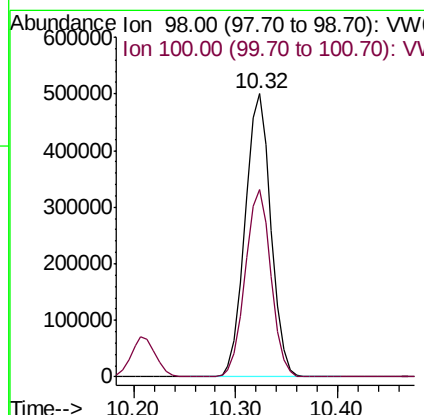
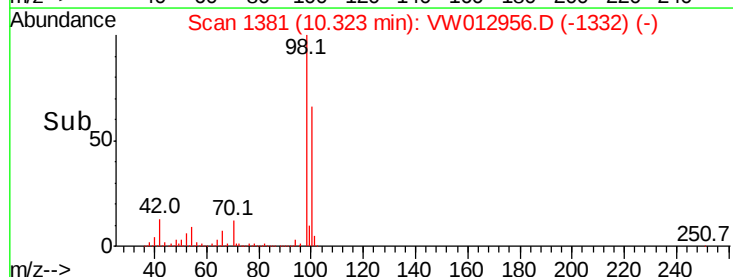
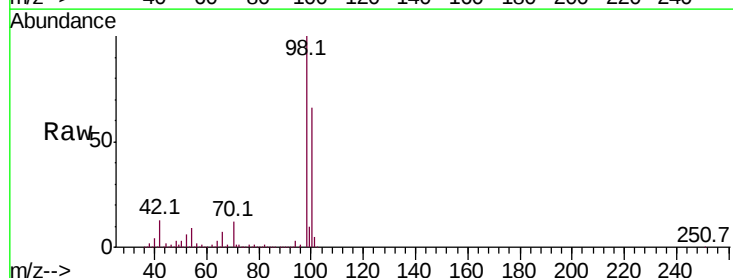
Delta R.T. -0.00 min

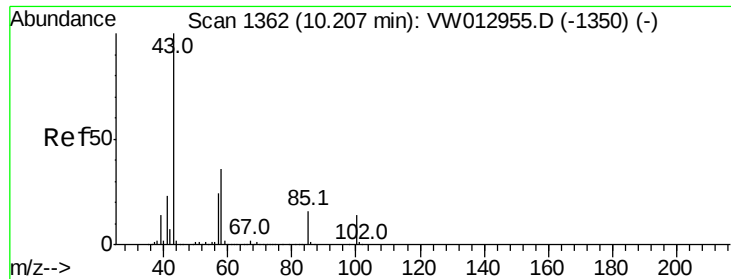
Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Tgt Ion: 98 Resp: 875501

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.1	78.1

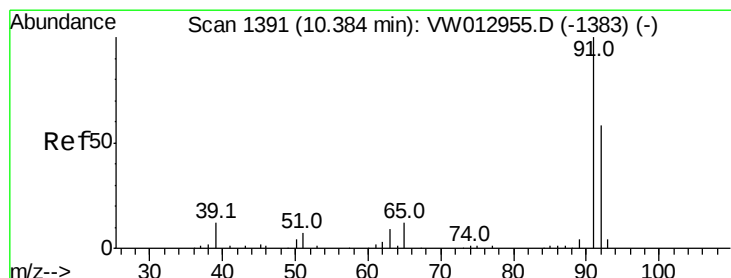
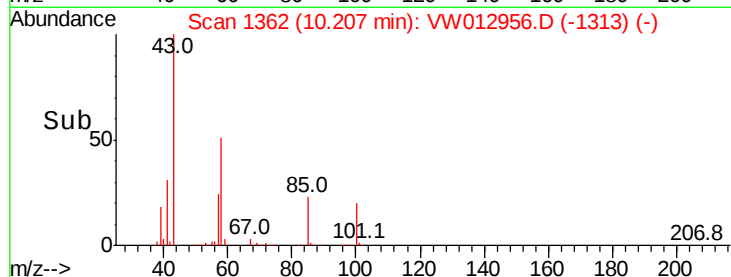
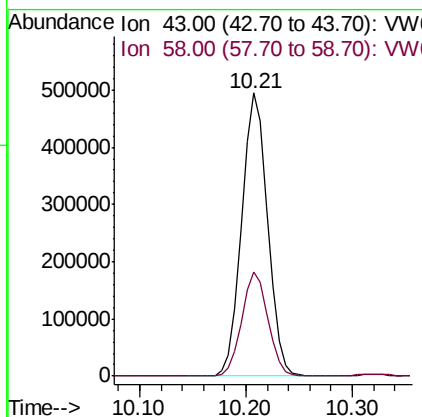
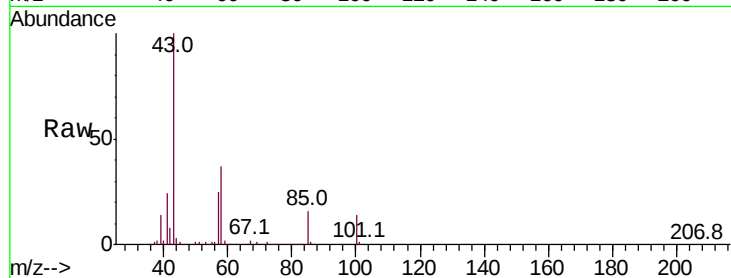




#51
4-Methyl-2-Pentanone
Concen: 497.881 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

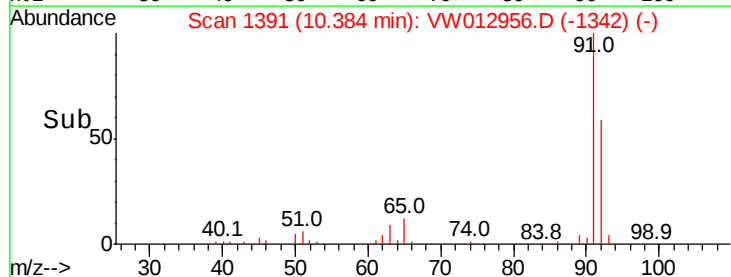
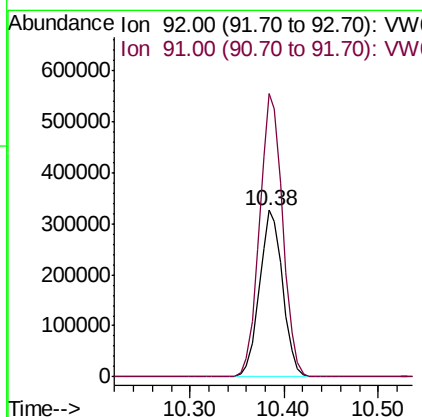
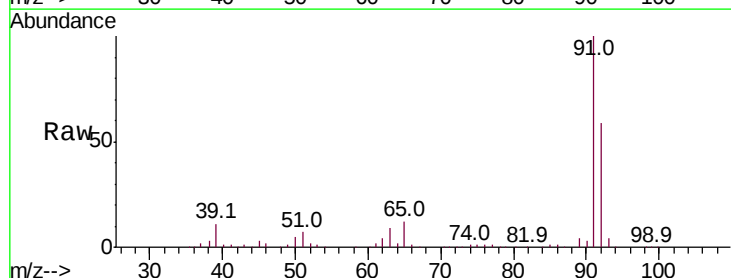
Instrument :
MSVOA_W
ClientSampled :

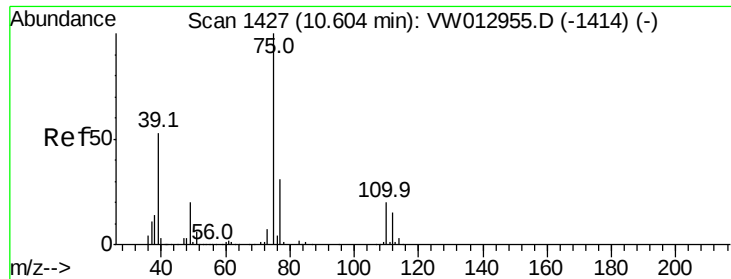
Tot Ion: 43 Resp: 848294
Ion Ratio Lower Upper
43 100
58 37.0 29.5 44.3



#52
Toluene
Concen: 98.051 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Tgt Ion: 92 Resp: 563246
Ion Ratio Lower Upper
92 100
91 170.5 137.5 206.3





#53

t-1,3-Dichloropropene

Concen: 102.533 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Instrument :

MSVOA_W

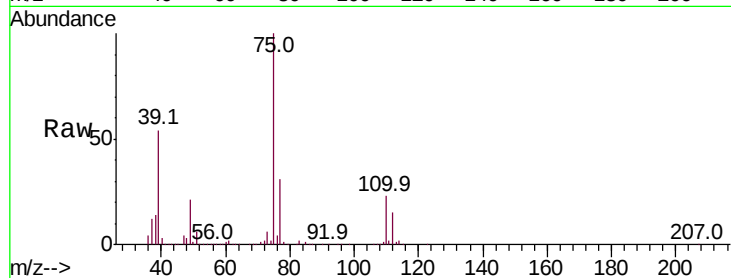
ClientSampled :

Tot Ion: 75 Resp: 332841

Ion Ratio Lower Upper

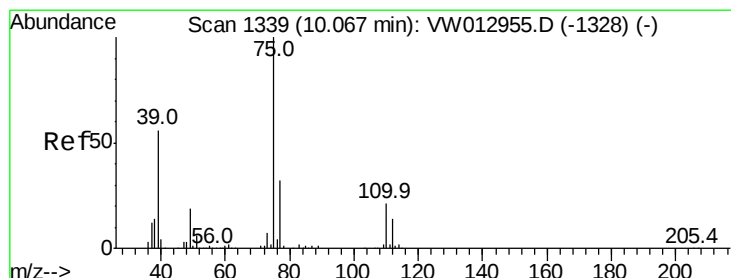
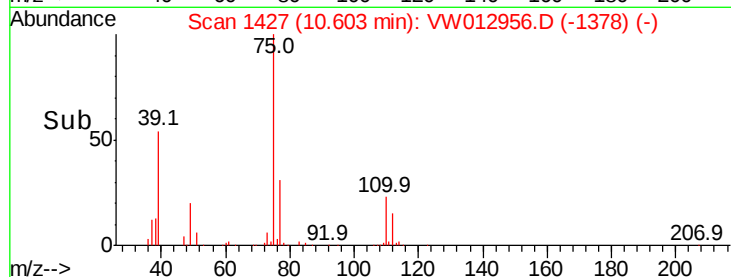
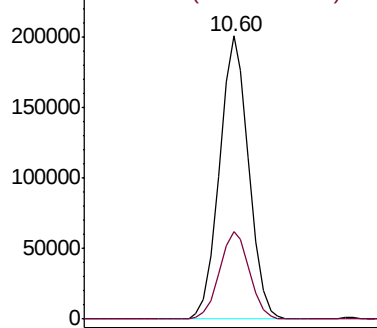
75 100

77 31.1 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 102.179 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

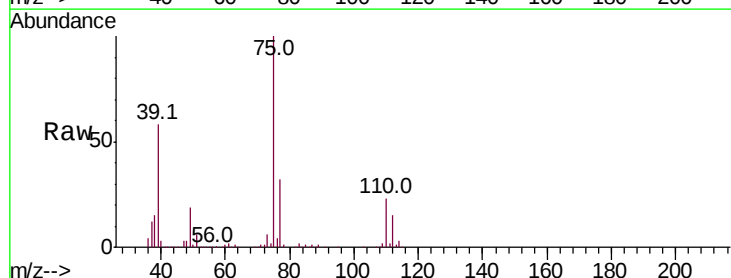
Tgt Ion: 75 Resp: 379517

Ion Ratio Lower Upper

75 100

77 32.0 25.5 38.3

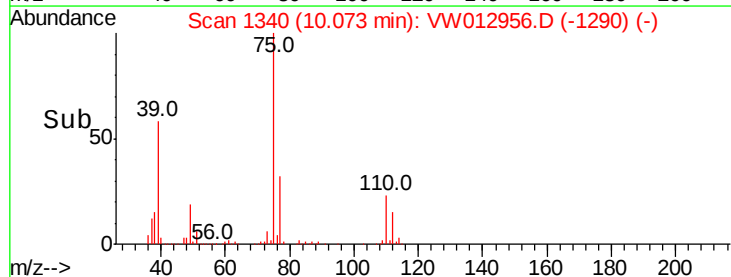
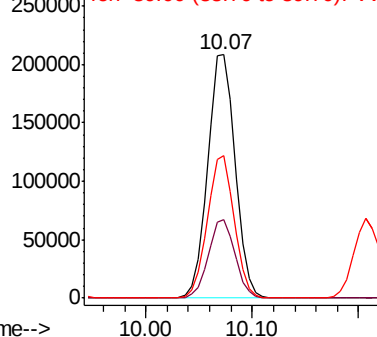
39 58.2 45.0 67.6

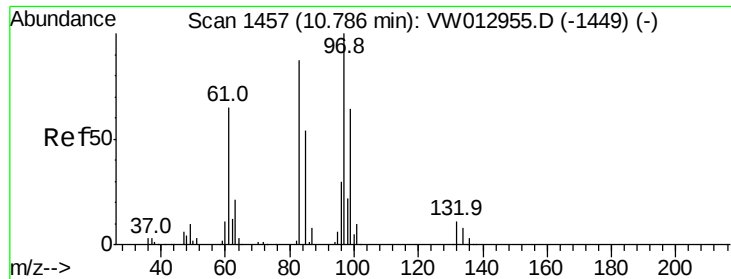


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW





#55

1,1,2-Trichloroethane

Concen: 97.670 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 171212

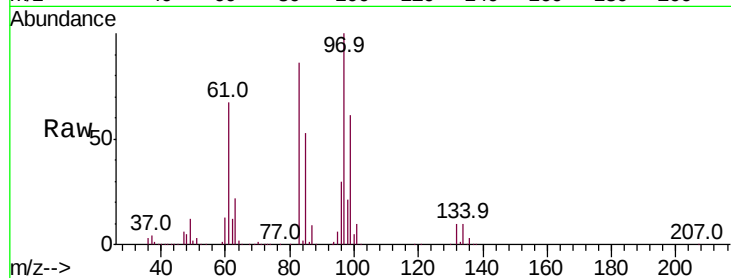
Ion Ratio Lower Upper

97 100

83 86.3 69.4 104.0

85 53.4 43.3 64.9

99 61.4 50.9 76.3



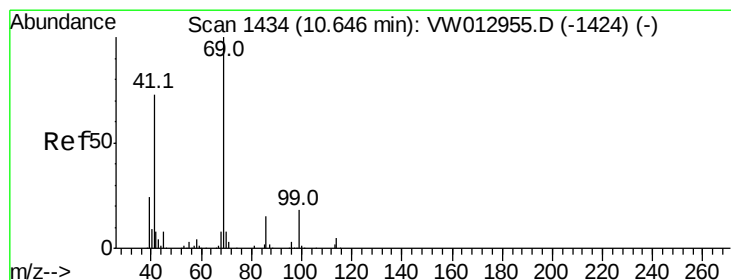
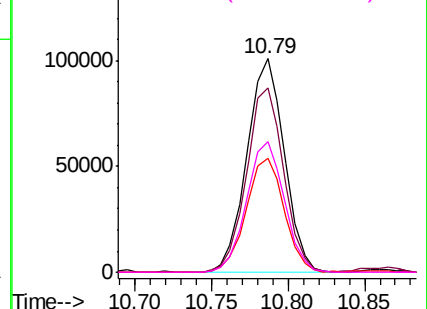
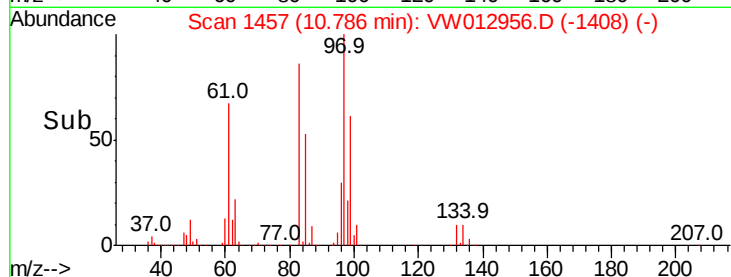
Abundance

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: 105.092 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

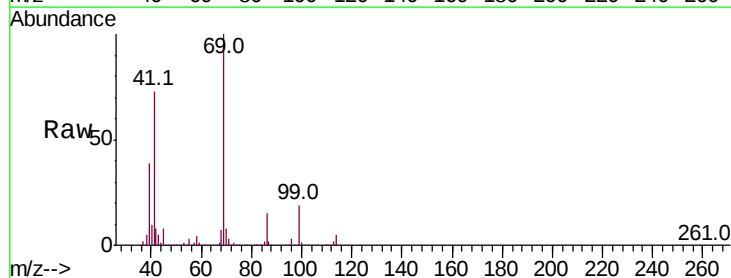
Tgt Ion: 69 Resp: 247969

Ion Ratio Lower Upper

69 100

41 75.3 60.8 91.2

39 35.5 29.4 44.0

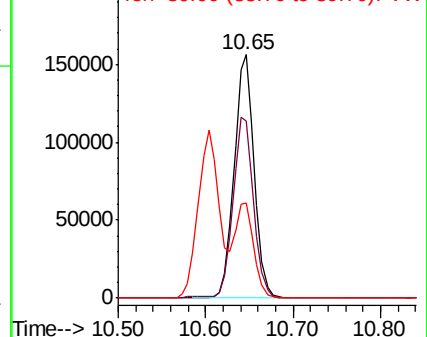
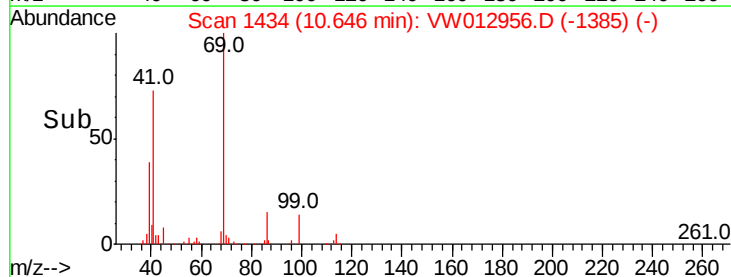


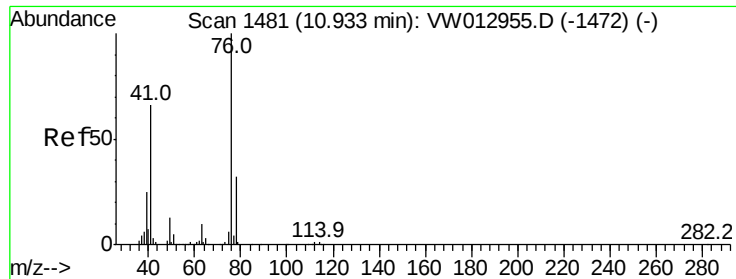
Abundance

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

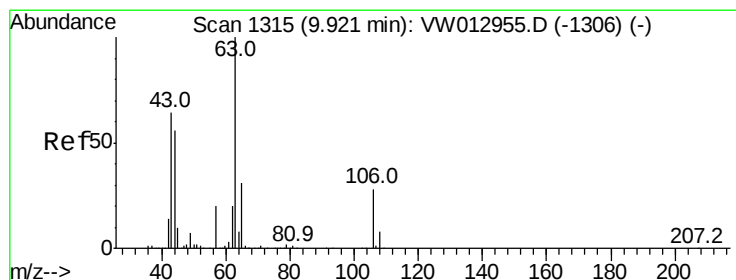
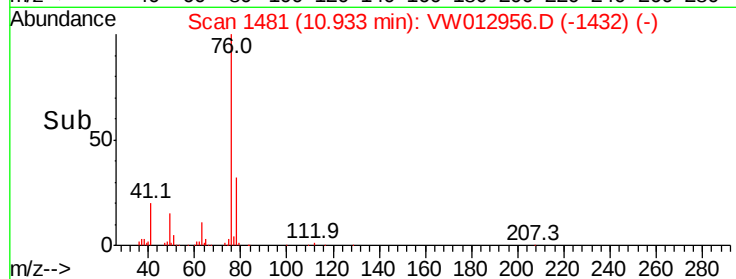
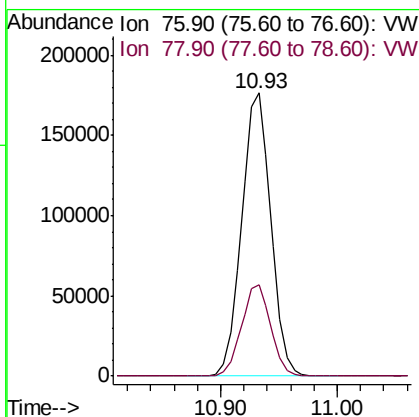
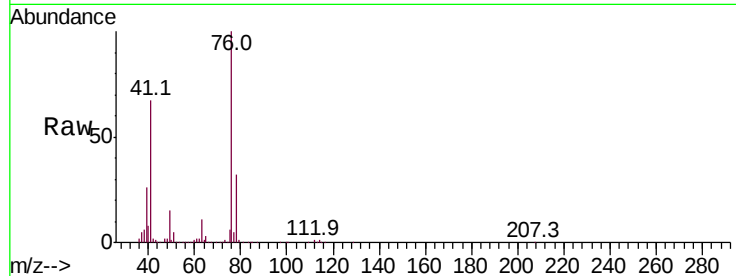




#57
 1,3-Dichloropropane
 Concen: 98.738 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012956.D
 Acq: 13 Sep 2019 15:50

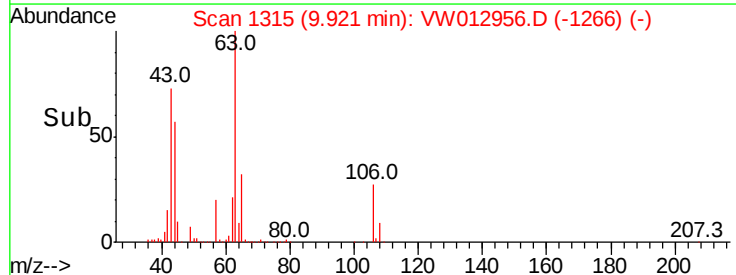
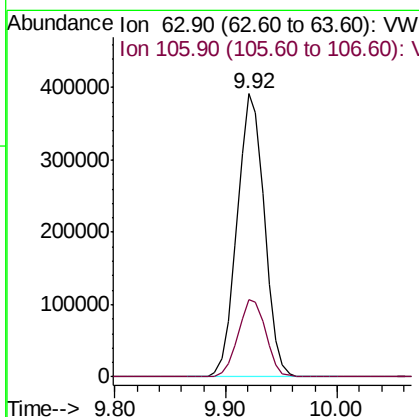
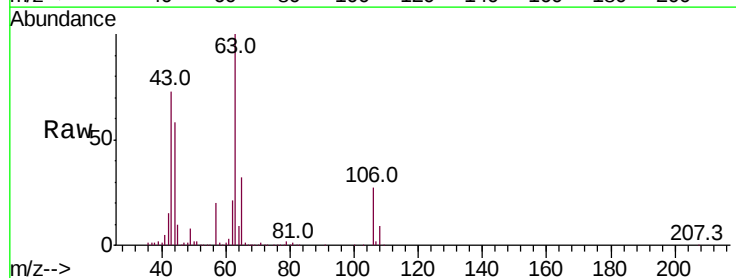
Instrument :
 MSVOA_W
 ClientSampleId :

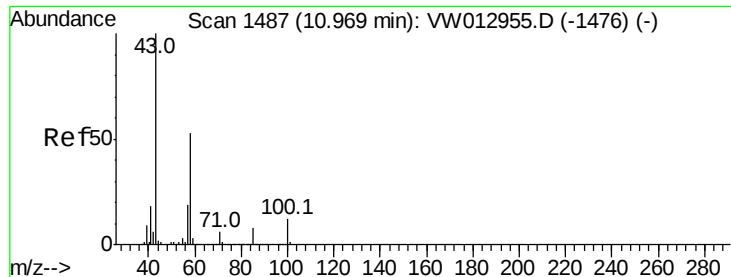
Tot Ion: 76 Resp: 307036
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 523.637 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012956.D
 Acq: 13 Sep 2019 15:50

Tgt Ion: 63 Resp: 662783
 Ion Ratio Lower Upper
 63 100
 106 27.8 22.2 33.2

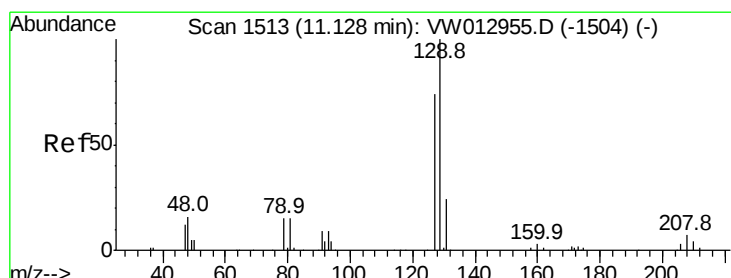
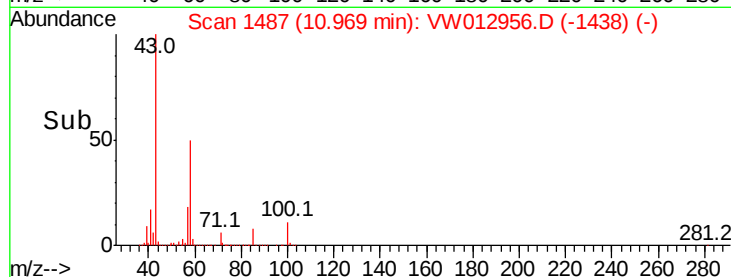
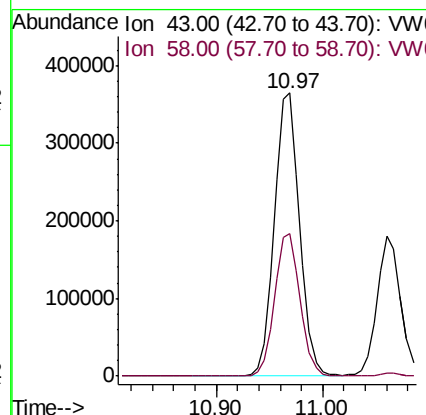
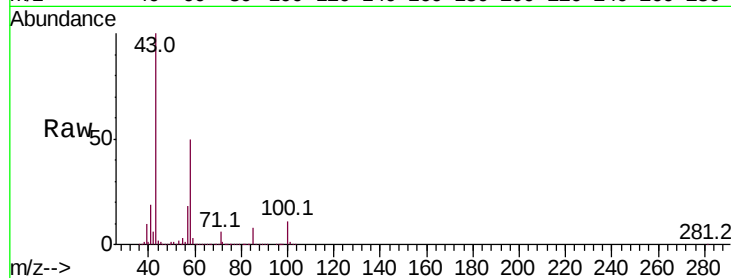




#59
2-Hexanone
Concen: 507.545 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

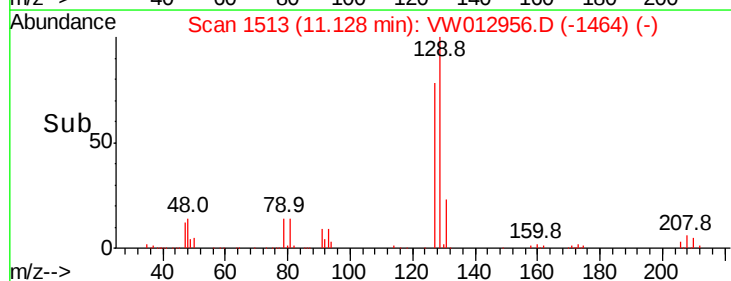
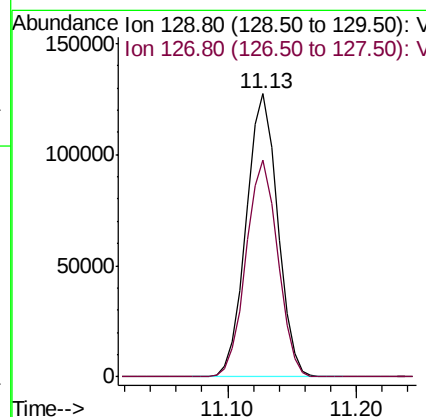
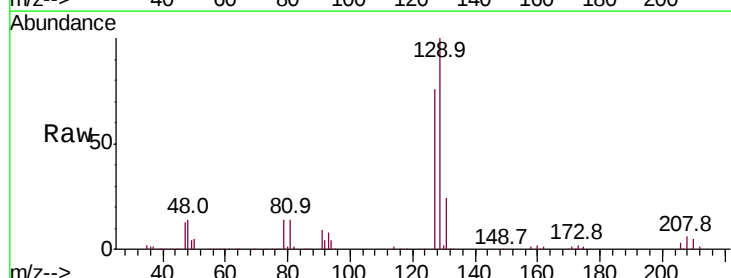
Instrument :
MSVOA_W
ClientSampleId :

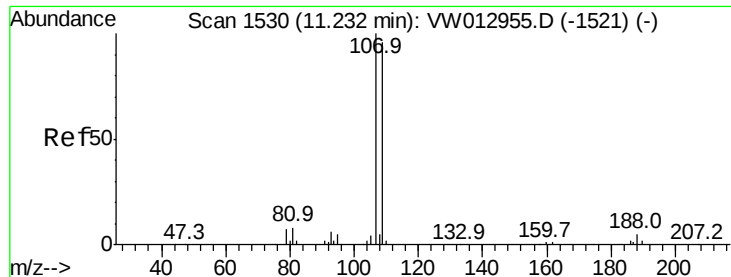
Tot Ion: 43 Resp: 602140
Ion Ratio Lower Upper
43 100
58 50.8 25.8 77.3



#60
Dibromochloromethane
Concen: 101.321 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Tgt Ion: 129 Resp: 214732
Ion Ratio Lower Upper
129 100
127 77.2 37.4 112.2





#61

1,2-Dibromoethane

Concen: 98.252 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Instrument :

MSVOA_W

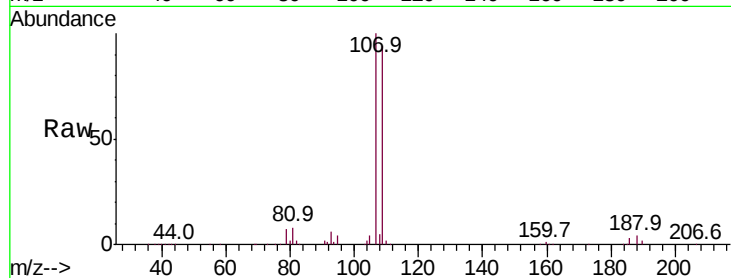
ClientSampleId :

Tot Ion:107 Resp: 157116

Ion Ratio Lower Upper

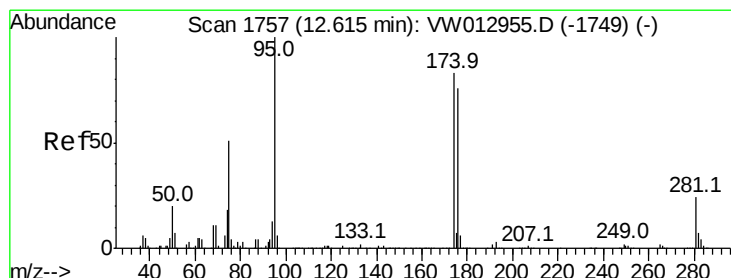
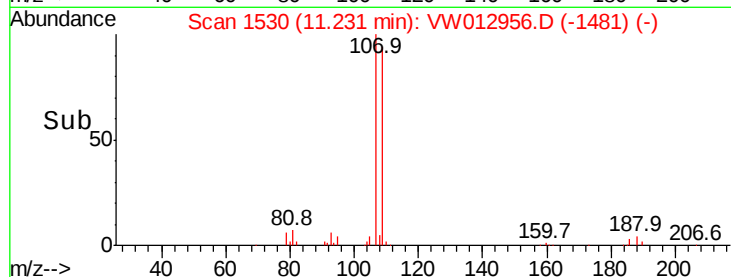
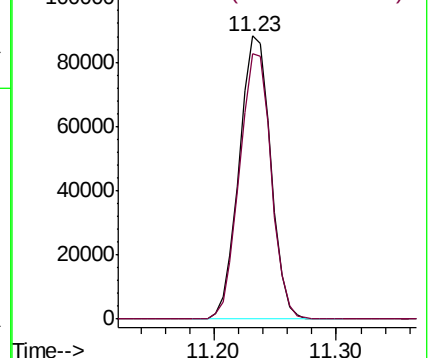
107 100

109 94.6 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 97.573 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

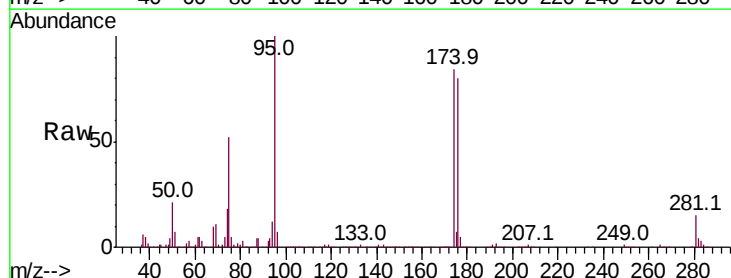
Tgt Ion: 95 Resp: 301891

Ion Ratio Lower Upper

95 100

174 84.8 0.0 170.4

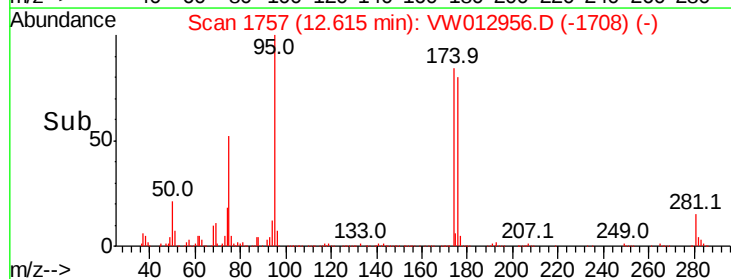
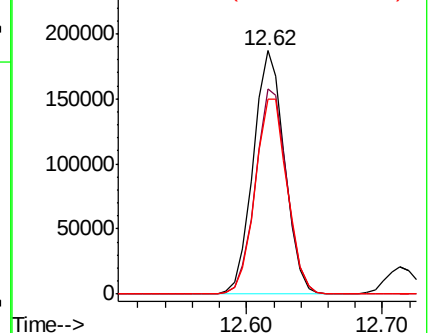
176 82.3 0.0 164.6

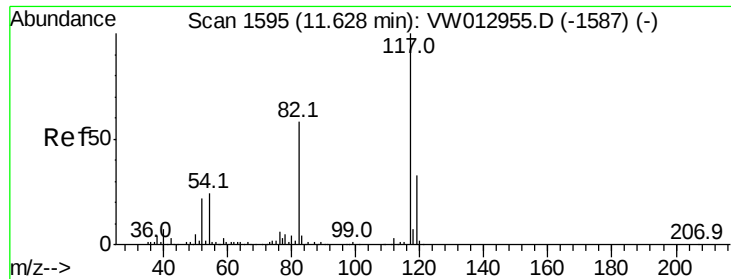


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

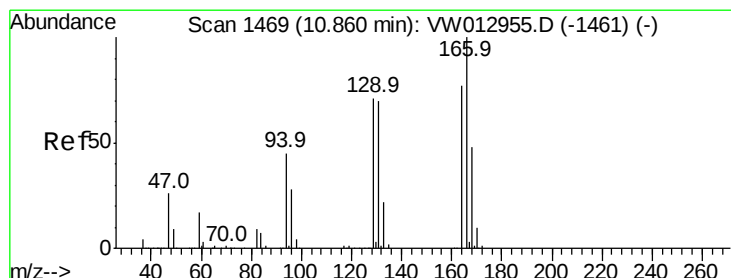
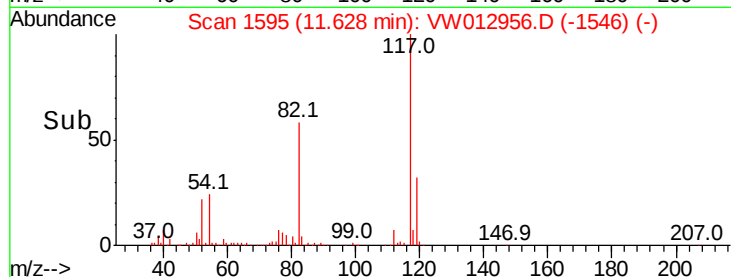
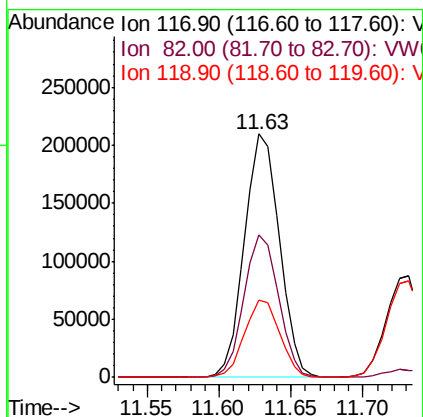
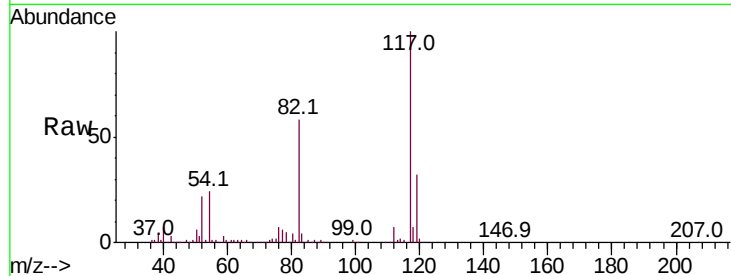




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

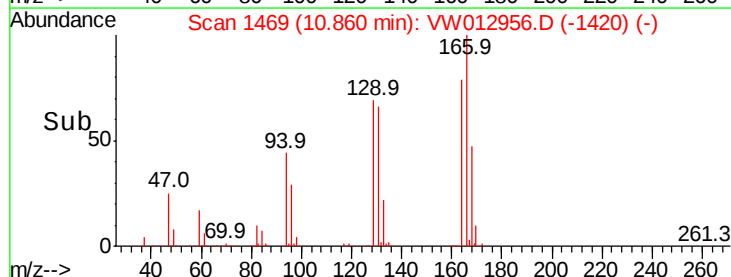
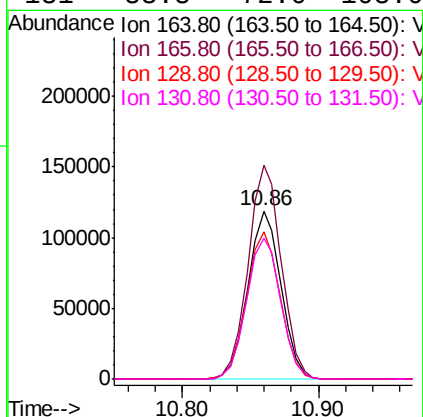
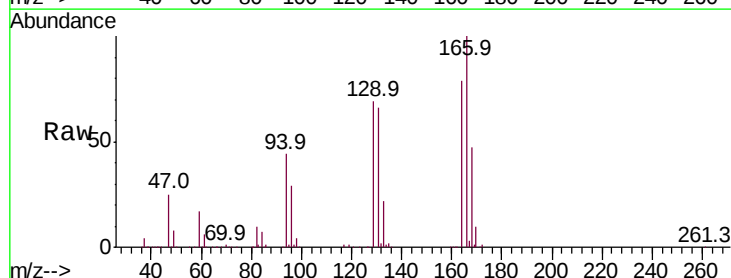
Instrument :
MSVOA_W
ClientSampled :

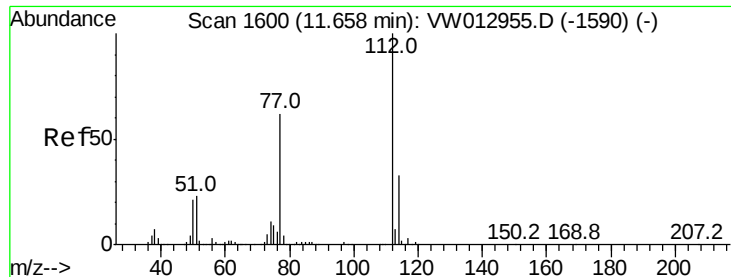
Tot Ion:117 Resp: 353653
Ion Ratio Lower Upper
117 100
82 58.4 46.3 69.5
119 31.9 26.2 39.4



#64
Tetrachloroethene
Concen: 96.067 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Tgt Ion:164 Resp: 202115
Ion Ratio Lower Upper
164 100
166 127.0 103.3 154.9
129 87.4 73.8 110.8
131 83.8 72.0 108.0

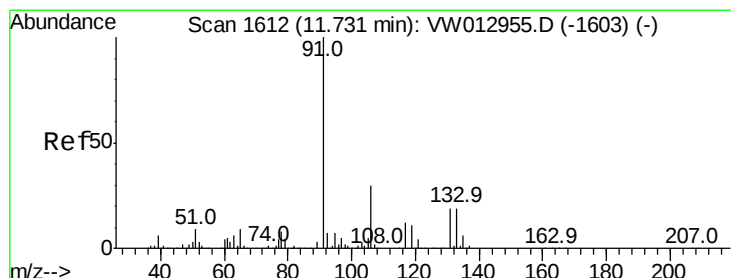
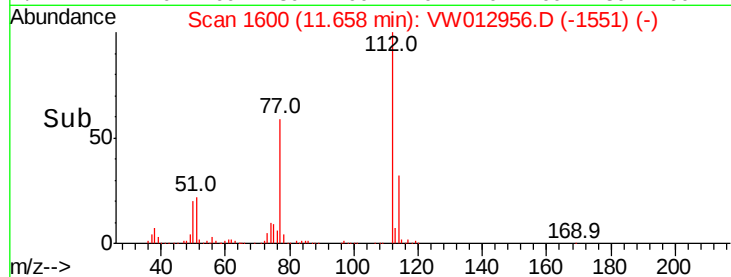
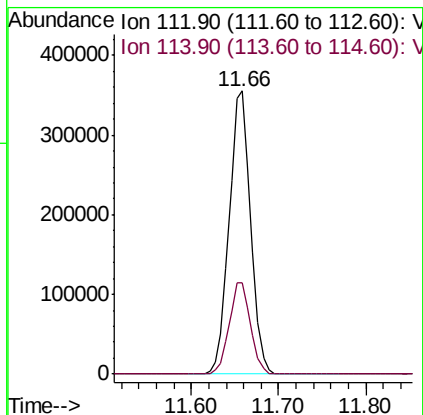
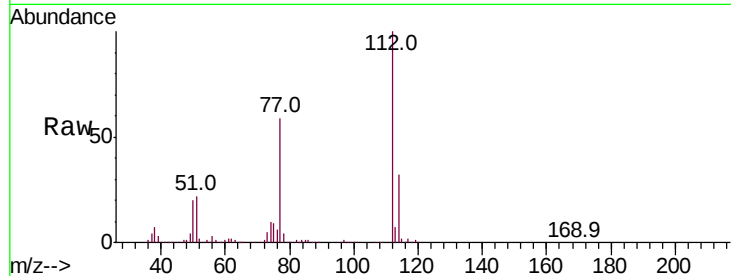




#65
Chlorobenzene
Concen: 95.930 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

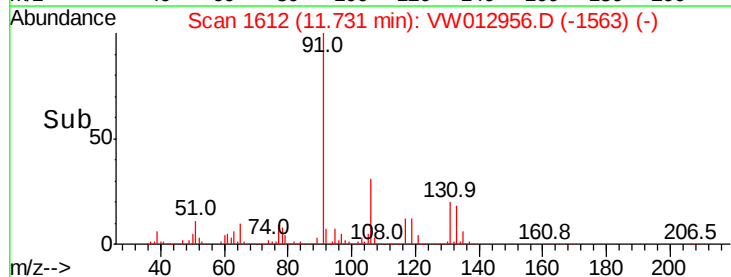
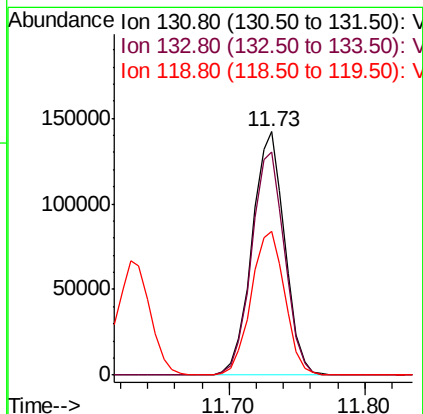
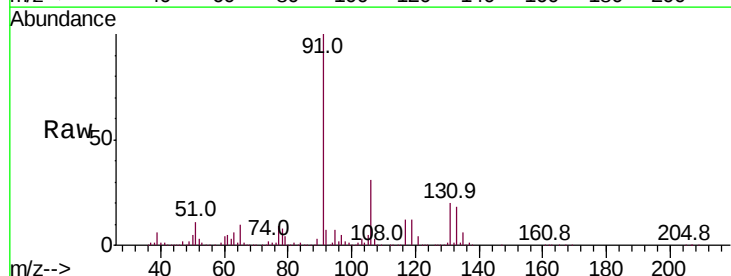
Instrument :
MSVOA_W
ClientSampleId :

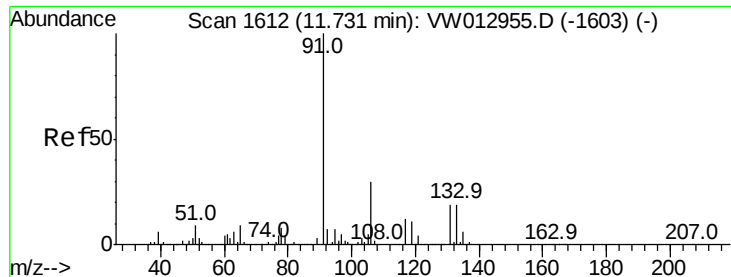
Tot Ion:112 Resp: 604297
Ion Ratio Lower Upper
112 100
114 32.2 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 98.984 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Tgt Ion:131 Resp: 238951
Ion Ratio Lower Upper
131 100
133 92.9 47.9 143.8
119 61.1 30.9 92.7

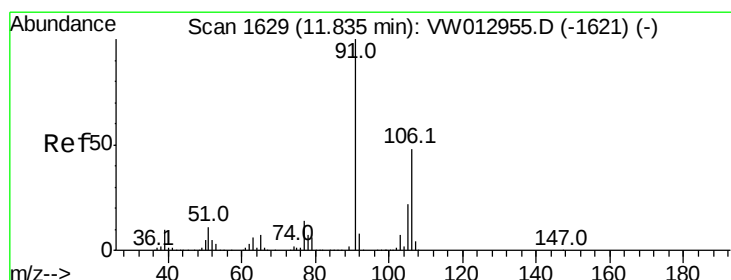
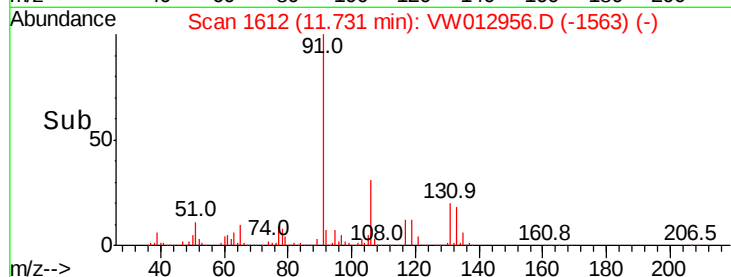
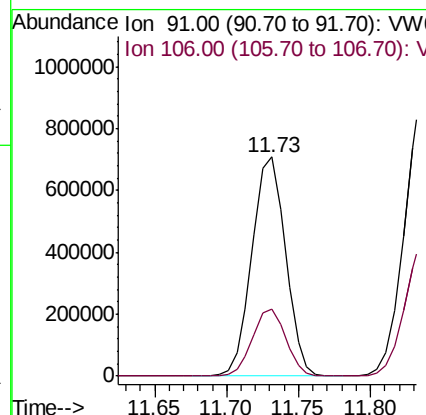
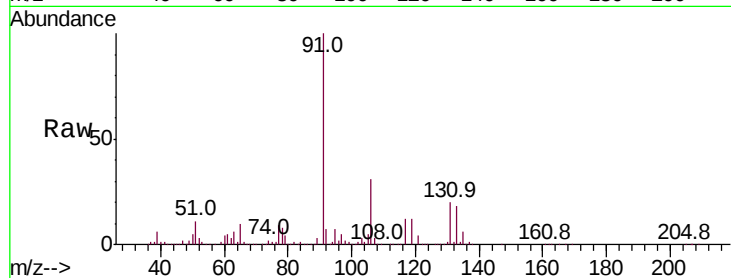




#67
Ethyl Benzene
Concen: 98.385 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

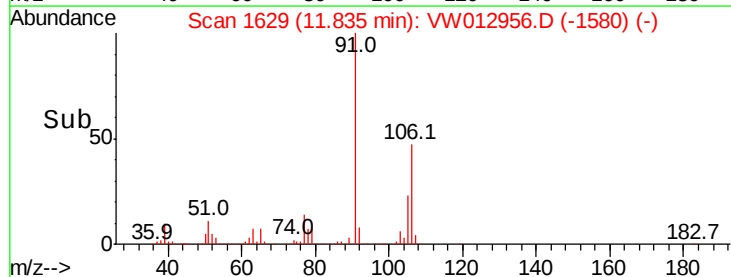
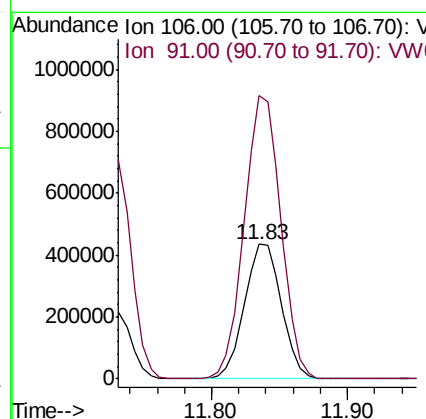
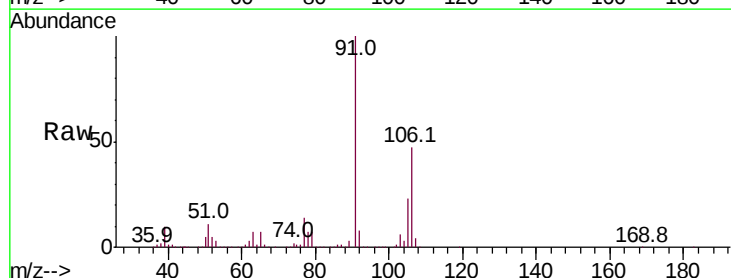
Instrument :
MSVOA_W
ClientSampleId :

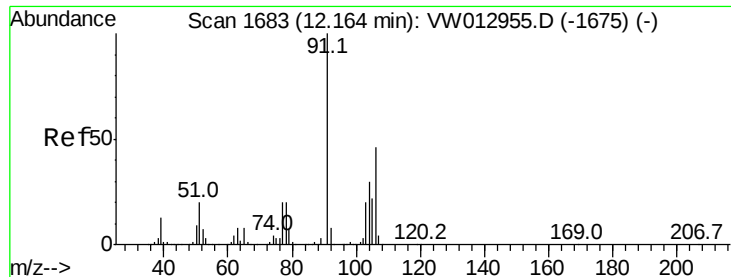
Tot Ion: 91 Resp: 1144634
Ion Ratio Lower Upper
91 100
106 30.7 24.3 36.5



#68
m/p-Xylenes
Concen: 194.891 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Tgt Ion: 106 Resp: 828310
Ion Ratio Lower Upper
106 100
91 208.3 165.8 248.8

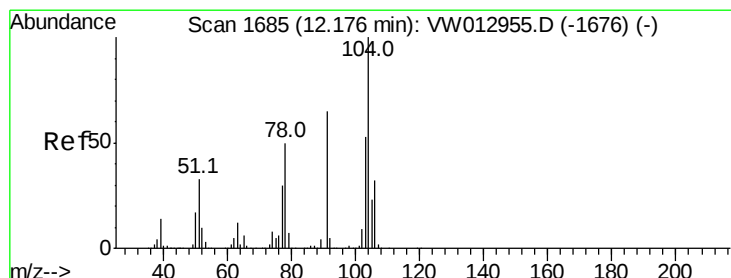
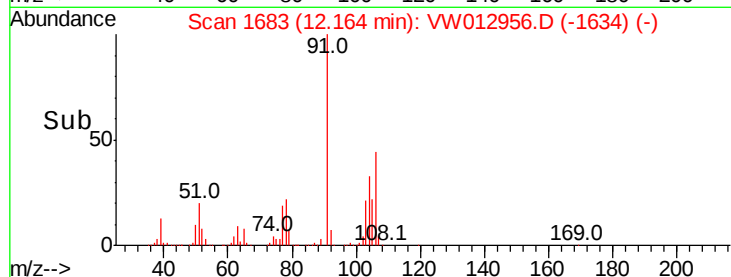
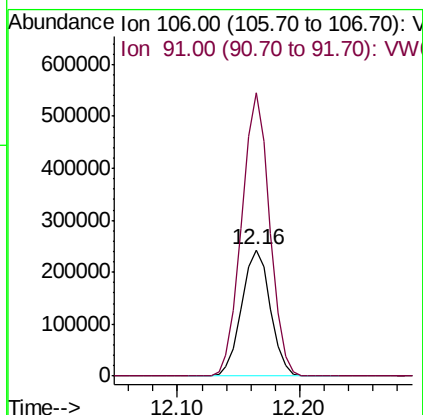
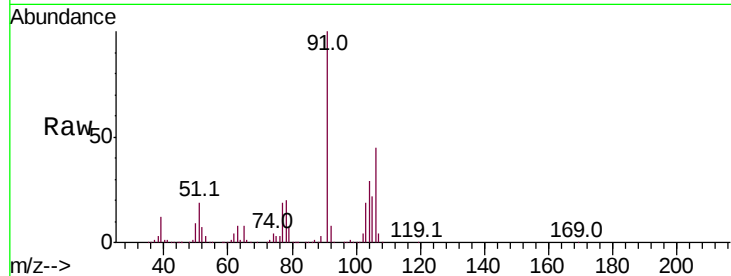




#69
o-Xylene
Concen: 99.079 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

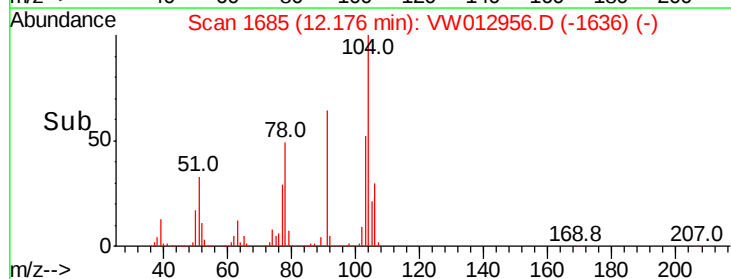
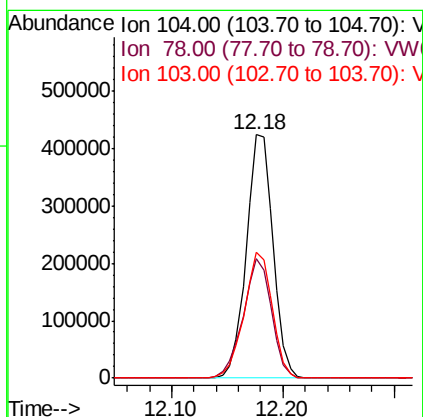
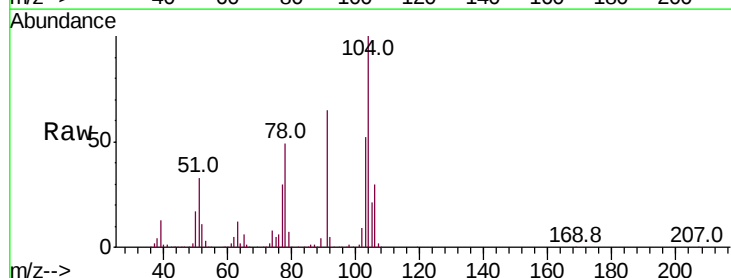
Instrument :
MSVOA_W
ClientSampled :

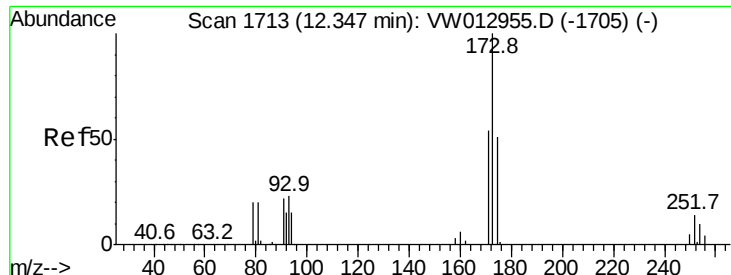
Tot Ion:106 Resp: 394789
Ion Ratio Lower Upper
106 100
91 219.4 109.7 329.0



#70
Styrene
Concen: 99.621 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Tgt Ion:104 Resp: 706127
Ion Ratio Lower Upper
104 100
78 51.9 42.1 63.1
103 54.3 44.2 66.4





#71

Bromoform

Concen: 101.983 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Instrument :

MSVOA_W

ClientSampled :

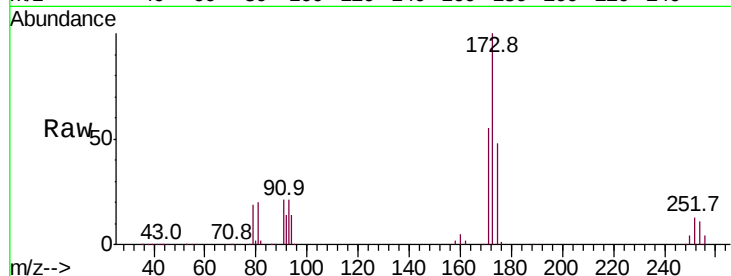
Tot Ion:173 Resp: 129316

Ion Ratio Lower Upper

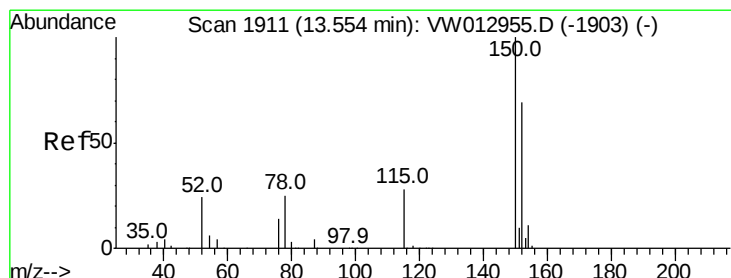
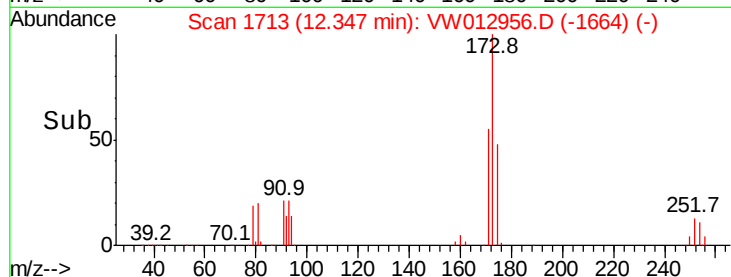
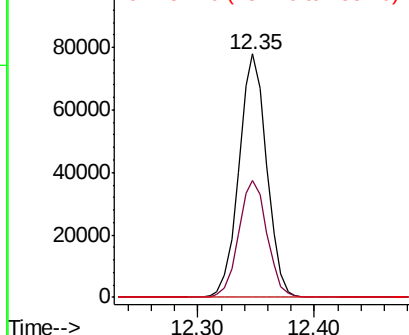
173 100

175 49.1 24.2 72.6

254 0.2 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

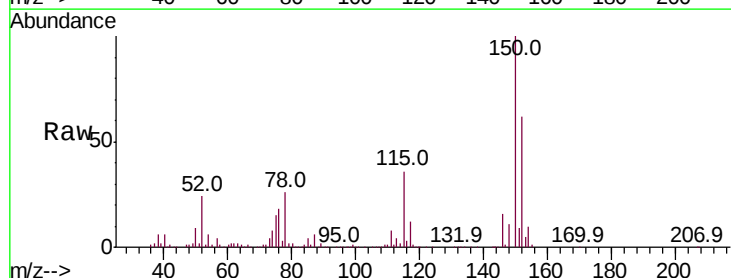
Tgt Ion:152 Resp: 173617

Ion Ratio Lower Upper

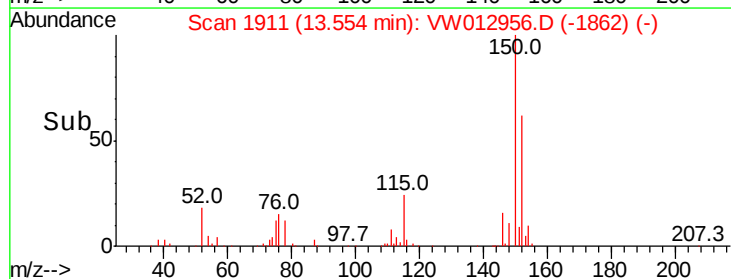
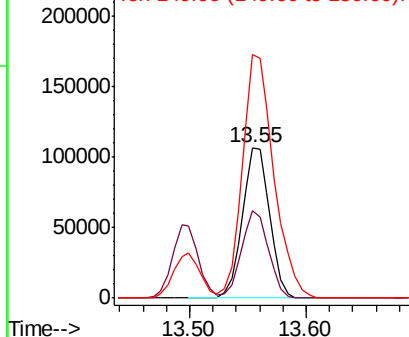
152 100

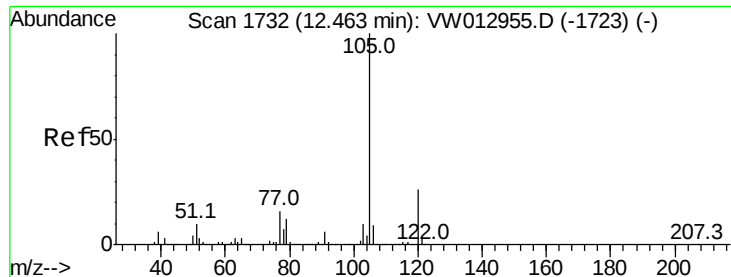
115 57.9 28.8 86.4

150 186.2 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: 100.062 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Instrument :

MSVOA_W

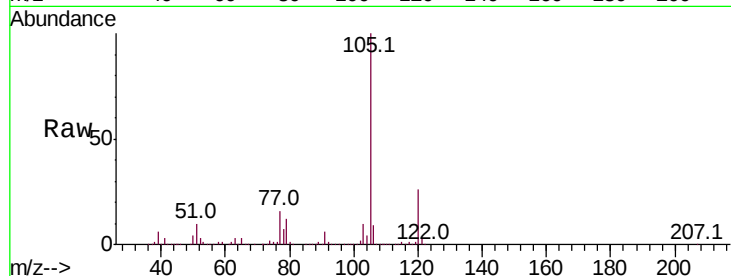
ClientSampleId :

Tot Ion:105 Resp: 1151495

Ion Ratio Lower Upper

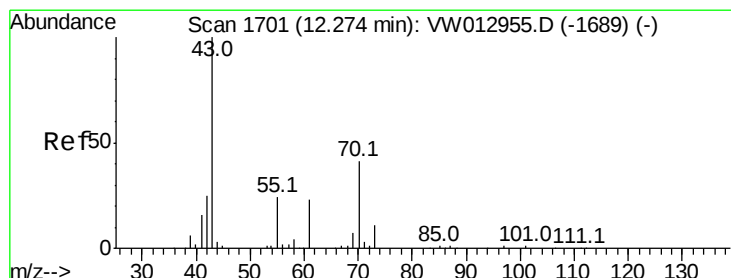
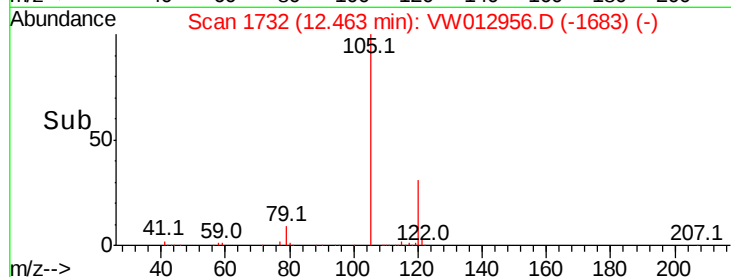
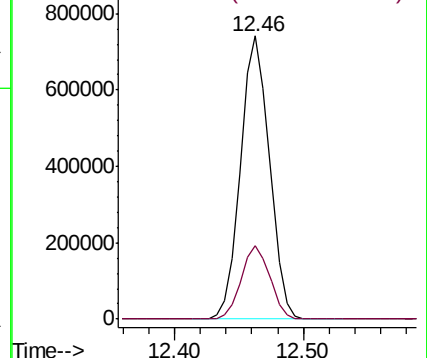
105 100

120 25.9 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 103.324 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Tgt Ion: 43 Resp: 305868

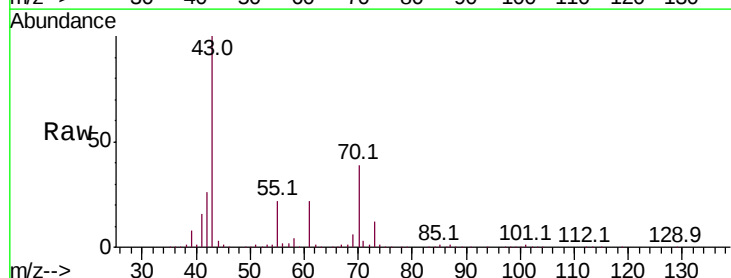
Ion Ratio Lower Upper

43 100

70 39.0 31.7 47.5

55 23.3 19.4 29.2

61 22.8 18.7 28.1

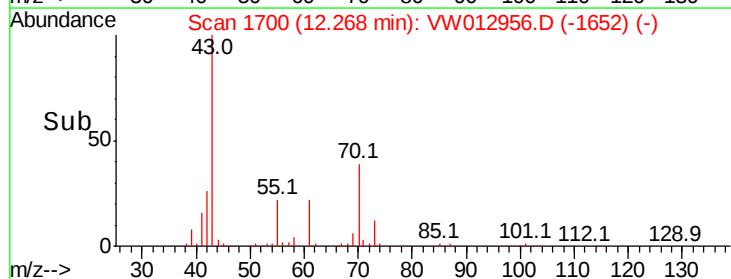
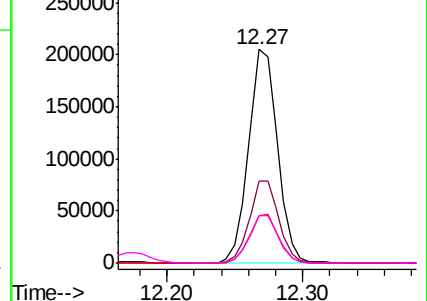


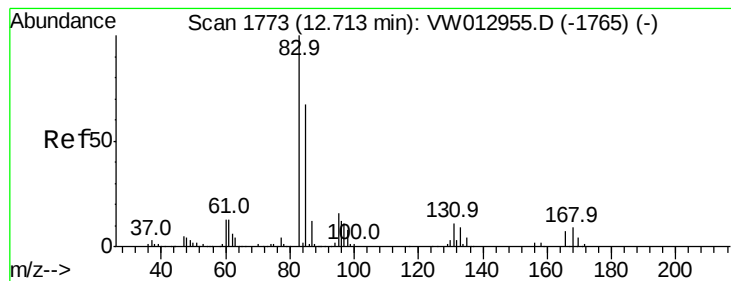
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 98.339 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Instrument :

MSVOA_W

ClientSampleId :

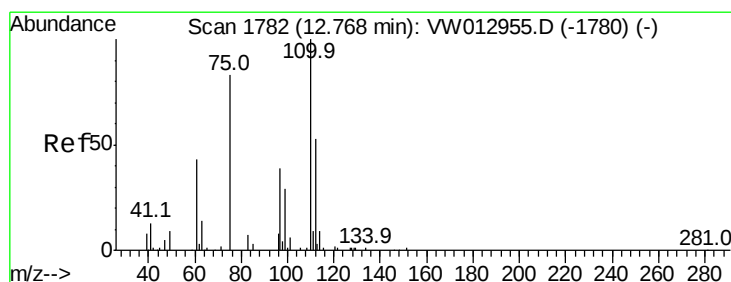
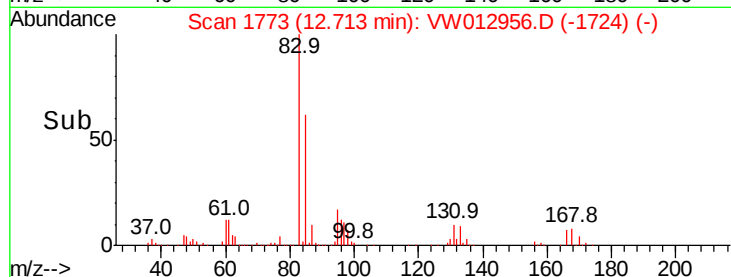
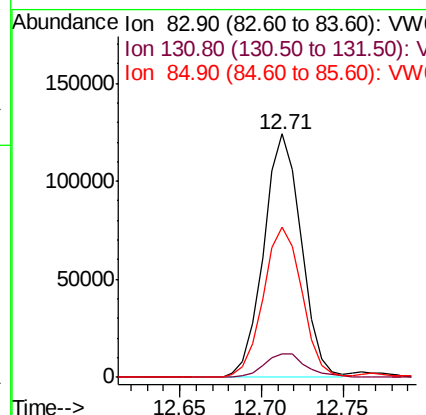
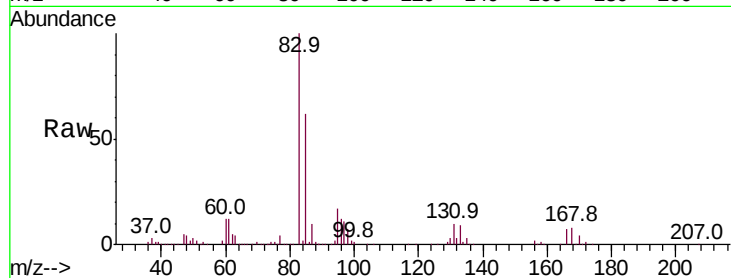
Tot Ion: 83 Resp: 198762

Ion Ratio Lower Upper

83 100

131 11.0 5.7 17.1

85 63.7 31.4 94.3



#76

1,2,3-Trichloropropane

Concen: 184.391 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012956.D

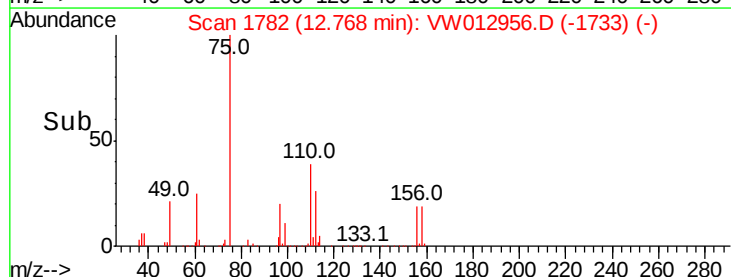
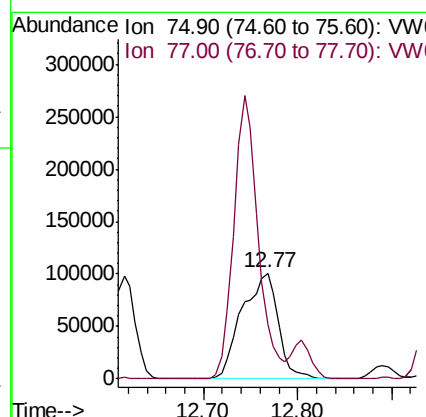
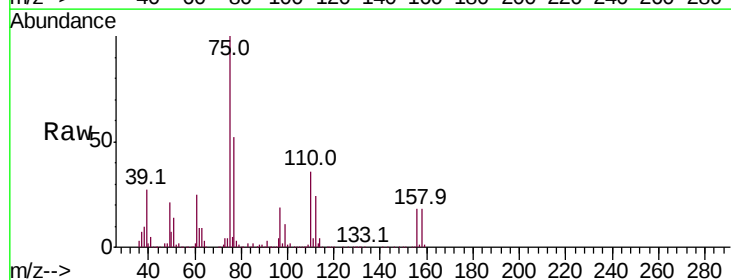
Acq: 13 Sep 2019 15:50

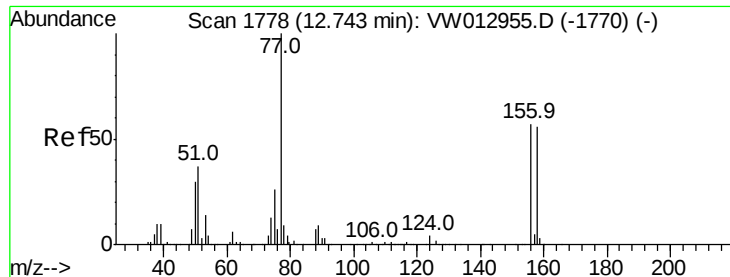
Tgt Ion: 75 Resp: 270114

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 99.634 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Instrument :

MSVOA_W

ClientSampled :

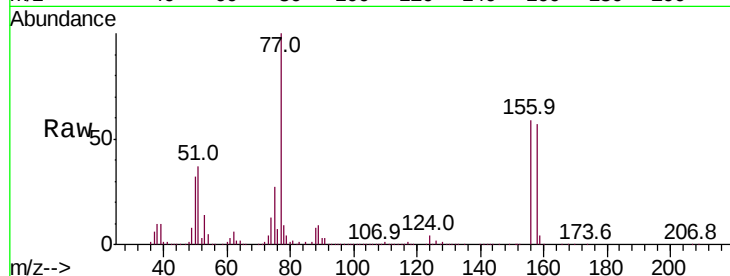
Tot Ion:156 Resp: 264140

Ion Ratio Lower Upper

156 100

77 184.3 95.2 285.6

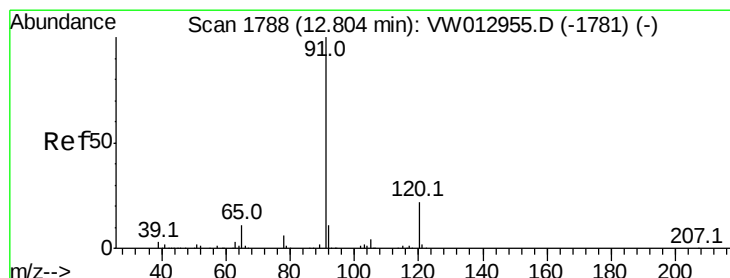
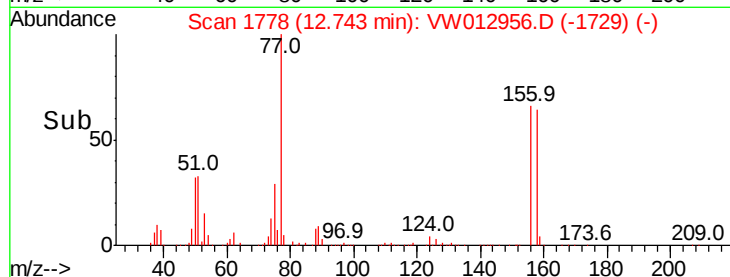
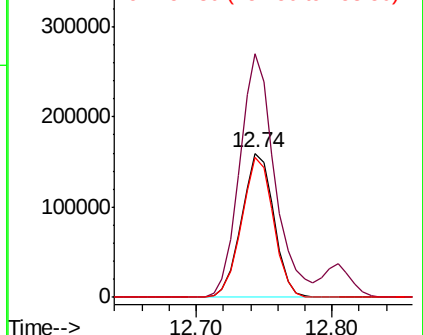
158 95.6 49.0 147.2



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: 99.217 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012956.D

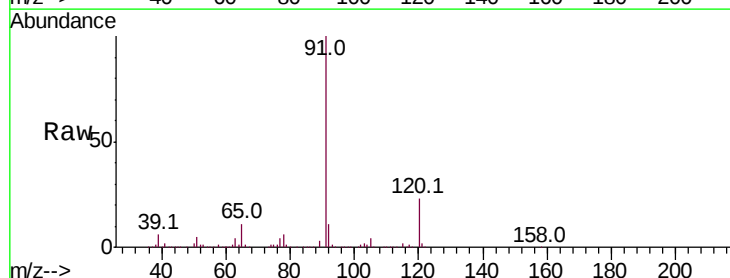
Acq: 13 Sep 2019 15:50

Tgt Ion: 91 Resp: 1343070

Ion Ratio Lower Upper

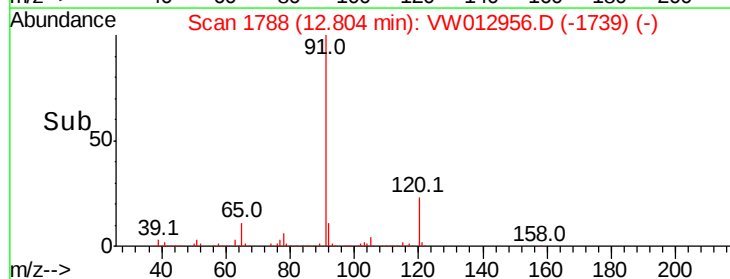
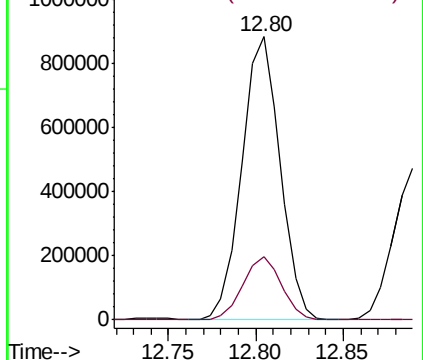
91 100

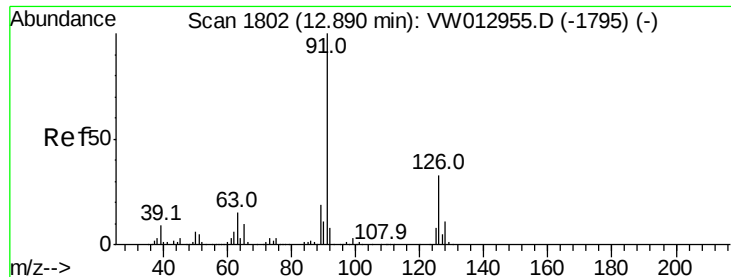
120 22.6 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 98.559 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Instrument :

MSVOA_W

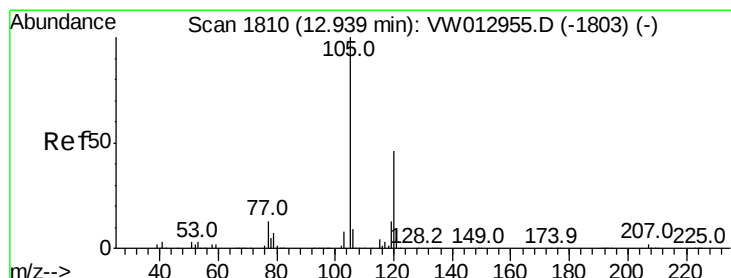
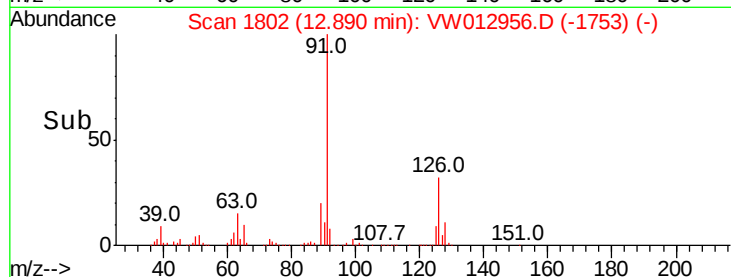
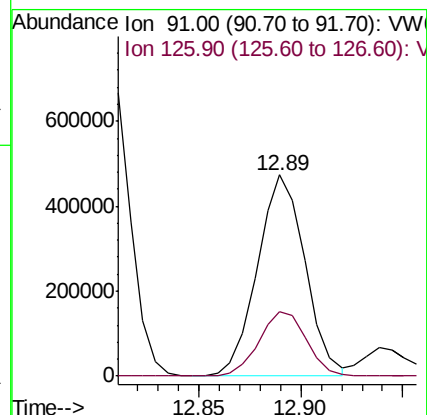
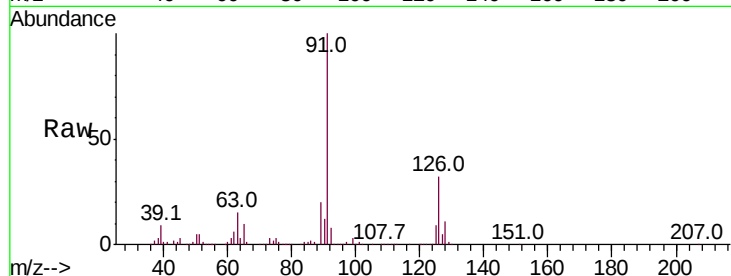
ClientSampled :

Tot Ion: 91 Resp: 766948

Ion Ratio Lower Upper

91 100

126 32.3 16.5 49.5



#80

1,3,5-Trimethylbenzene

Concen: 97.988 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW012956.D

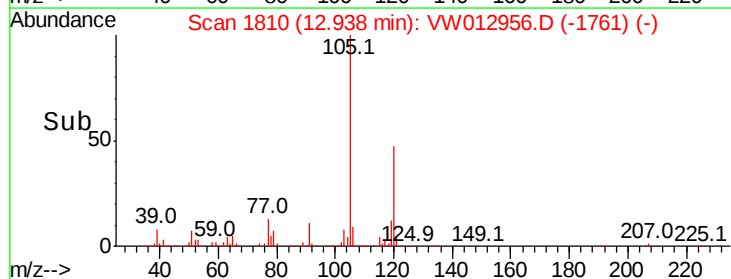
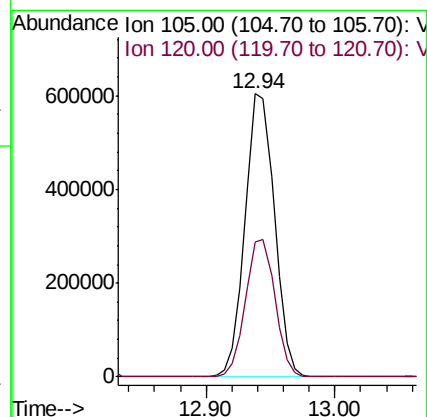
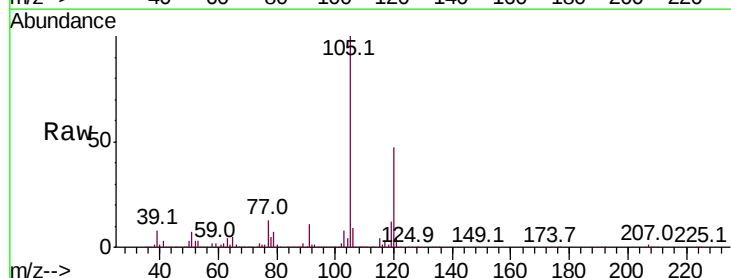
Acq: 13 Sep 2019 15:50

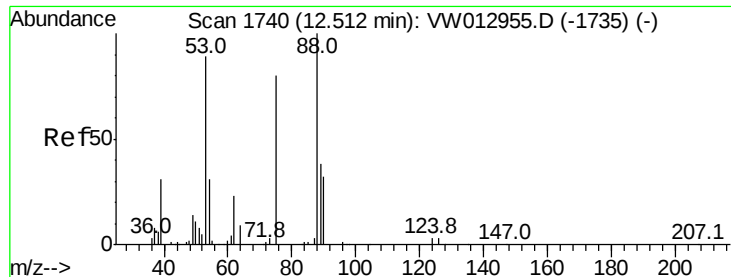
Tgt Ion:105 Resp: 953967

Ion Ratio Lower Upper

105 100

120 48.5 24.2 72.6

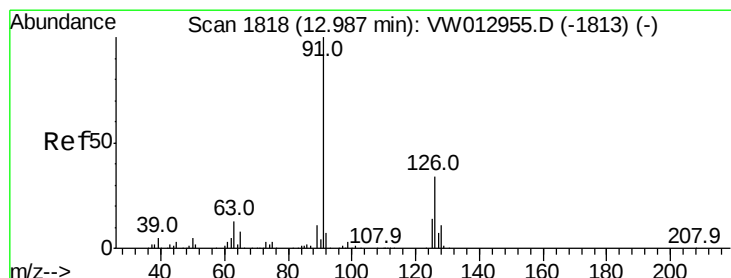
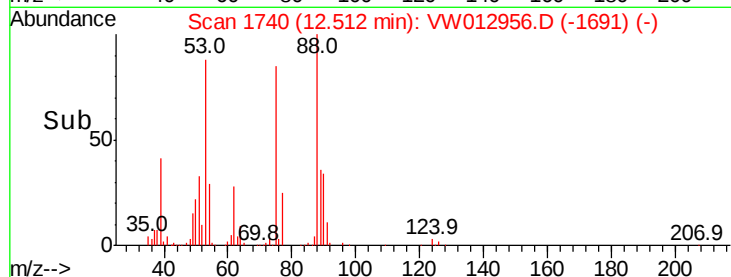
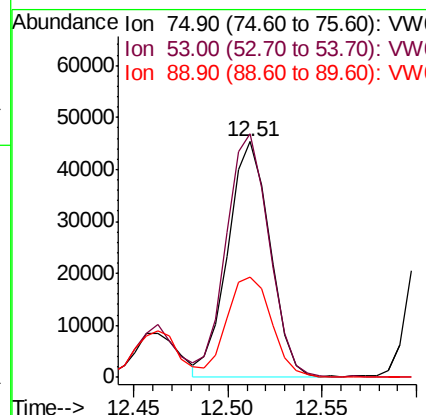
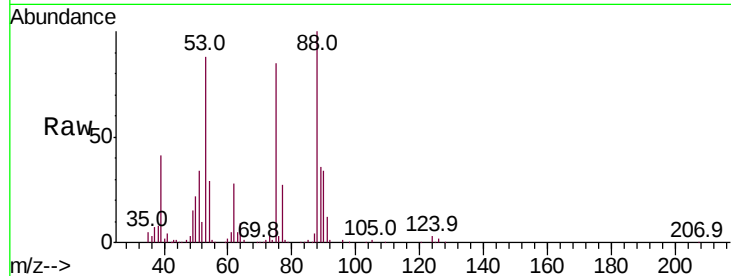




#81
trans-1,4-Dichloro-2-butene
Concen: 104.178 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

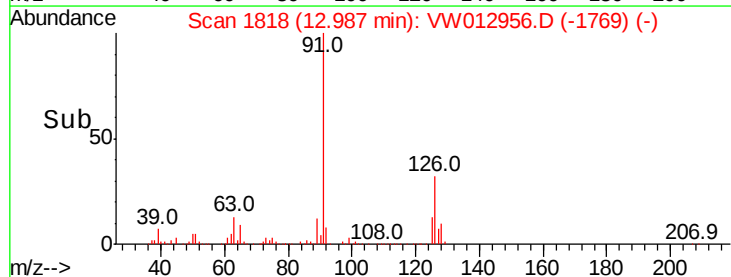
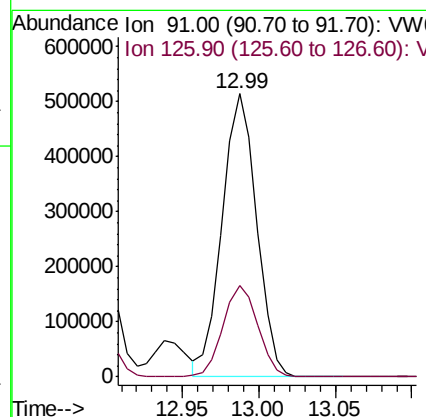
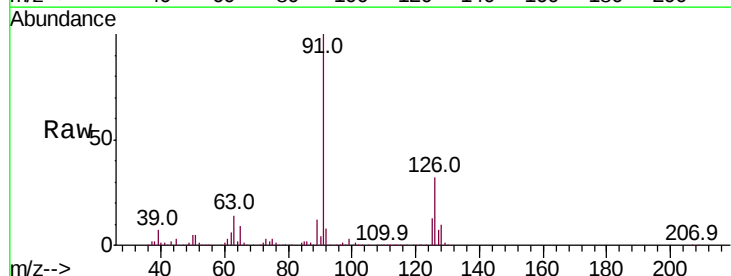
Instrument :
MSVOA_W
ClientSampled :

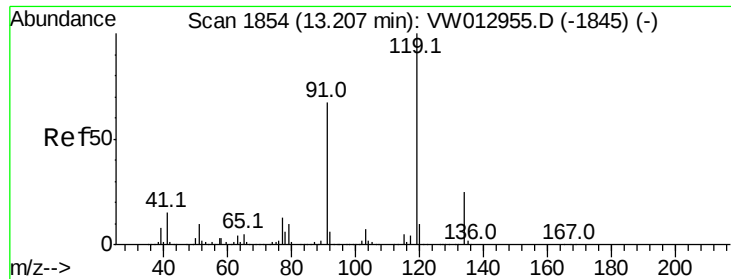
Tot Ion: 75 Resp: 69839
Ion Ratio Lower Upper
75 100
53 106.6 85.6 128.4
89 45.2 37.2 55.8



#82
4-Chlorotoluene
Concen: 97.881 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Tgt Ion: 91 Resp: 803651
Ion Ratio Lower Upper
91 100
126 32.6 16.1 48.3





#83

tert-Butylbenzene

Concen: 98.727 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Instrument :

MSVOA_W

ClientSampleId :

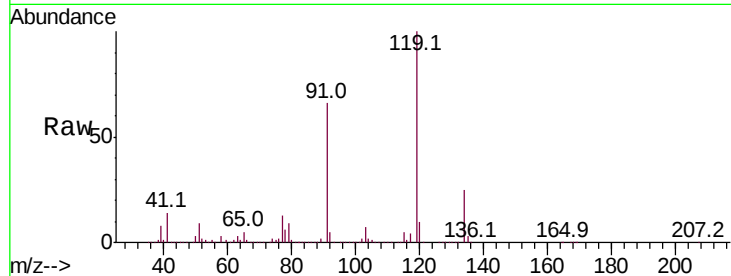
Tot Ion:119 Resp: 859733

Ion Ratio Lower Upper

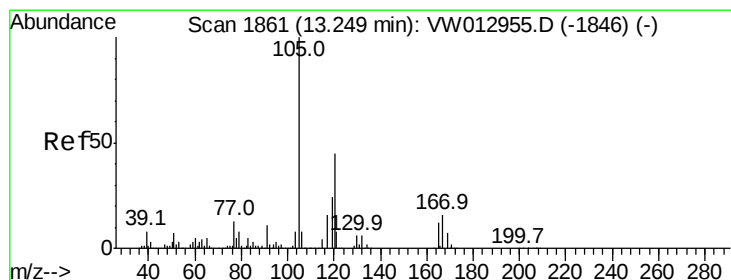
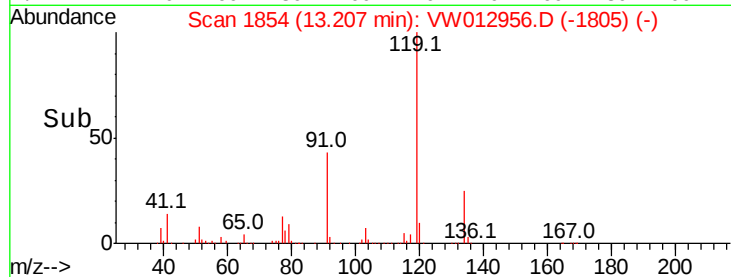
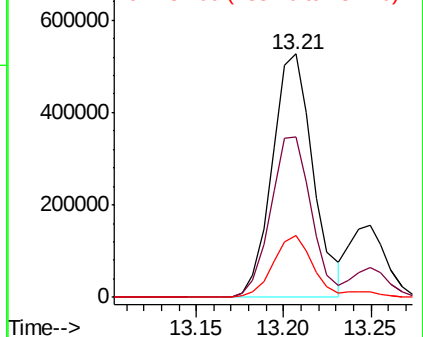
119 100

91 65.4 32.6 98.0

134 26.3 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: 98.261 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VW012956.D

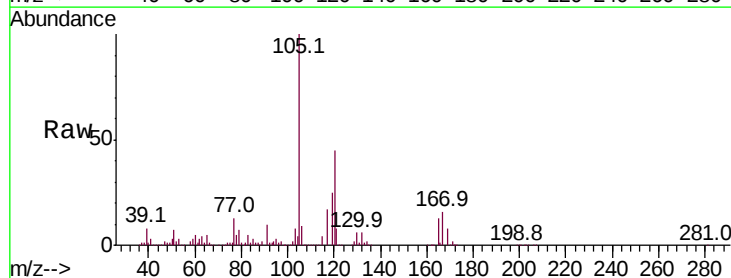
Acq: 13 Sep 2019 15:50

Tgt Ion:105 Resp: 945310

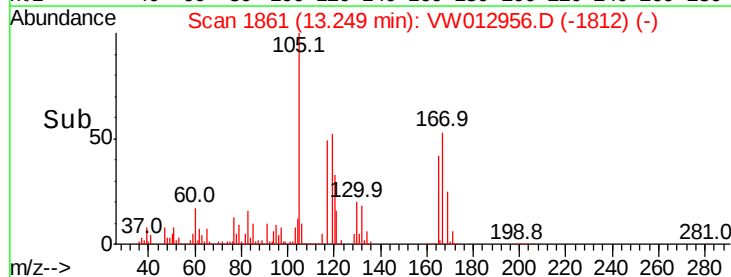
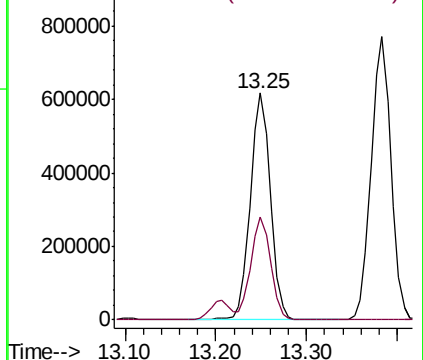
Ion Ratio Lower Upper

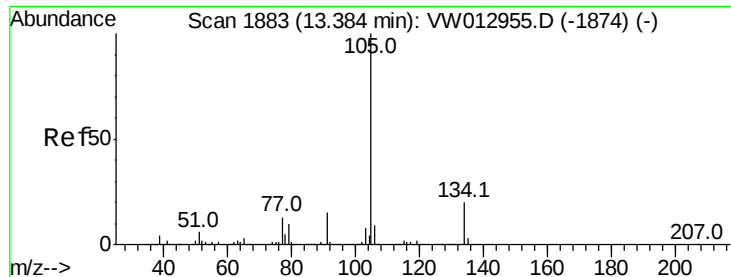
105 100

120 44.4 21.9 65.7



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





#85

sec-Butylbenzene

Concen: 97.865 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Instrument :

MSVOA_W

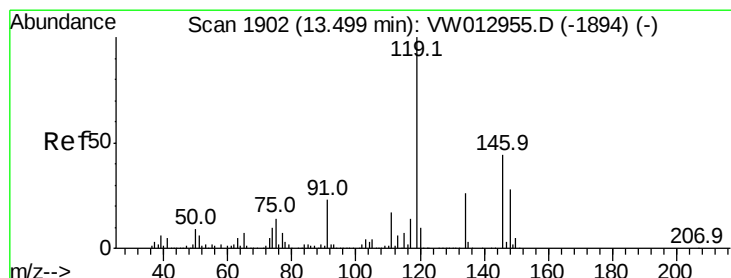
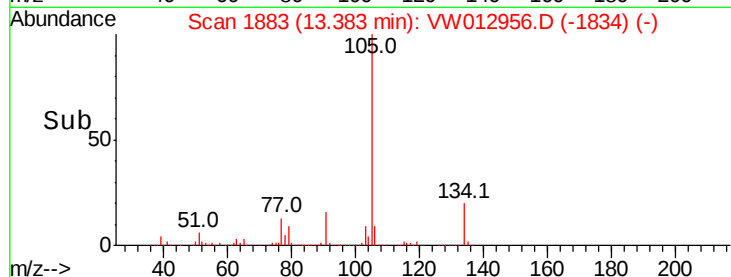
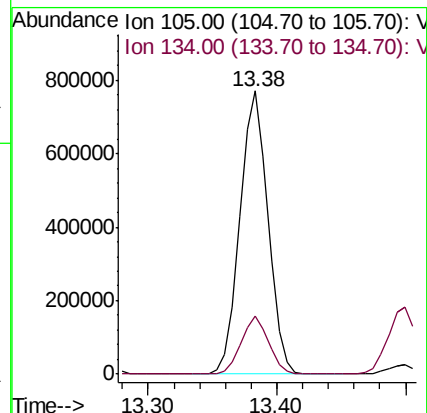
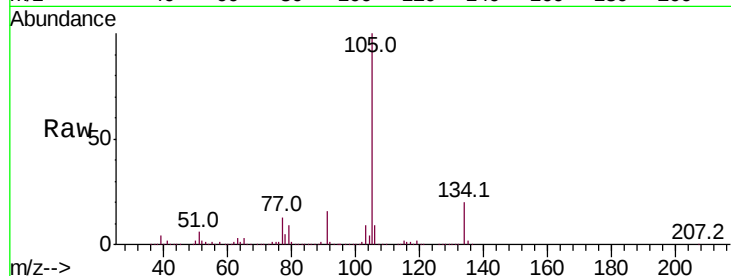
ClientSampled :

Tot Ion:105 Resp: 1161110

Ion Ratio Lower Upper

105 100

134 20.1 10.2 30.4



#86

p-Isopropyltoluene

Concen: 99.058 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

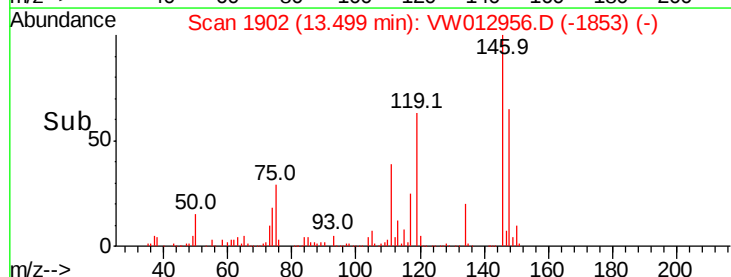
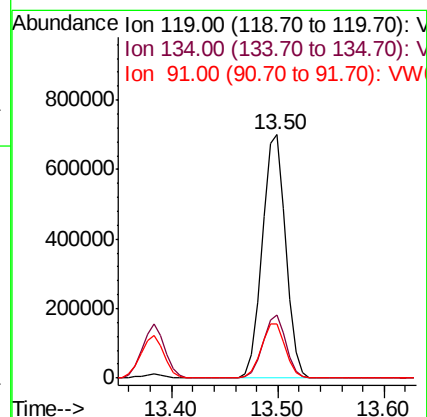
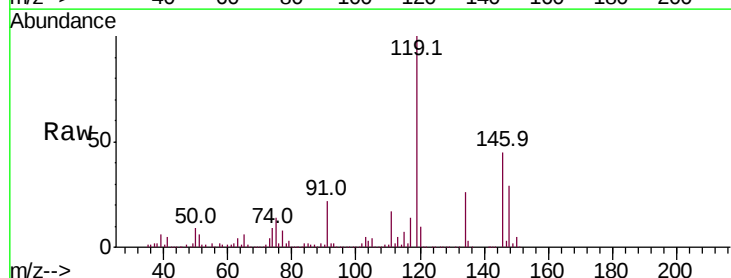
Tgt Ion:119 Resp: 1079020

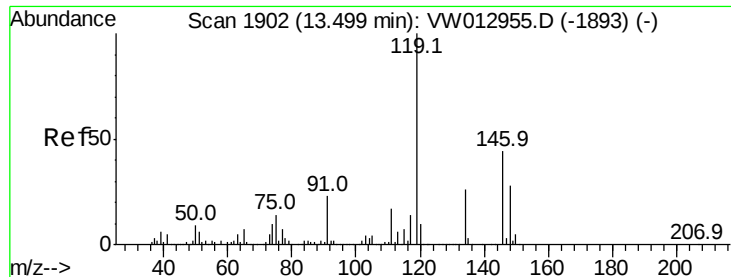
Ion Ratio Lower Upper

119 100

134 25.4 12.8 38.3

91 23.0 11.8 35.4

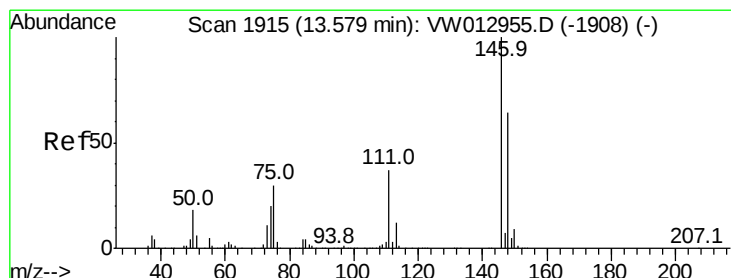
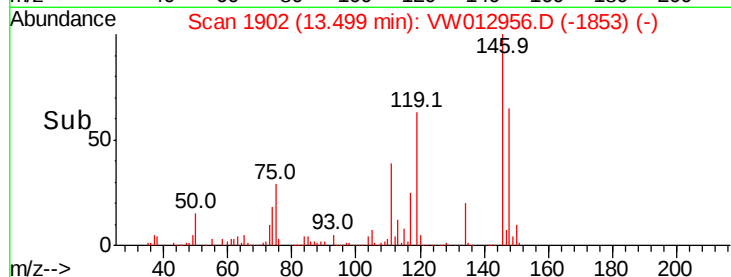
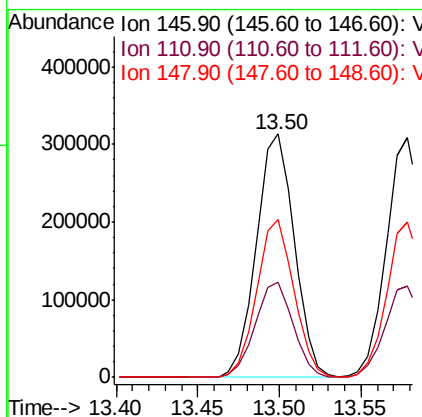
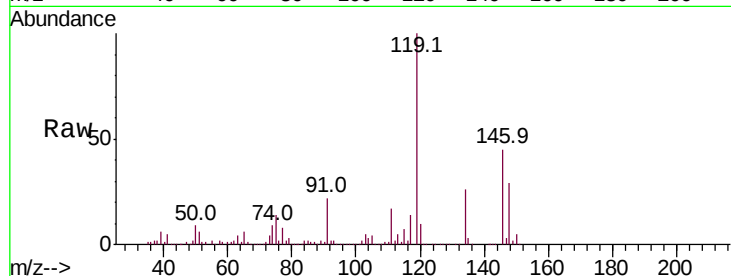




#87
 1,3-Dichlorobenzene
 Concen: 96.432 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012956.D
 Acq: 13 Sep 2019 15:50

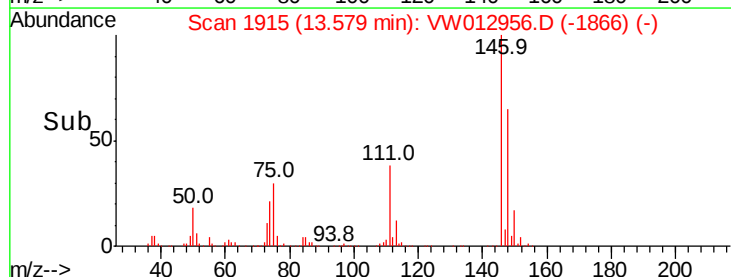
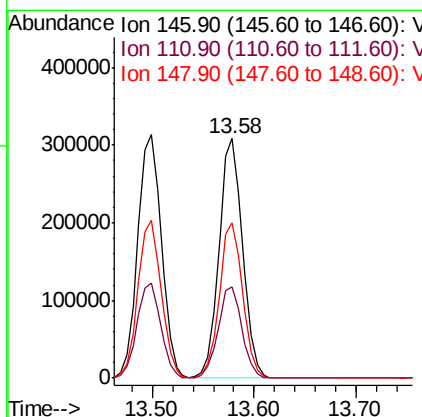
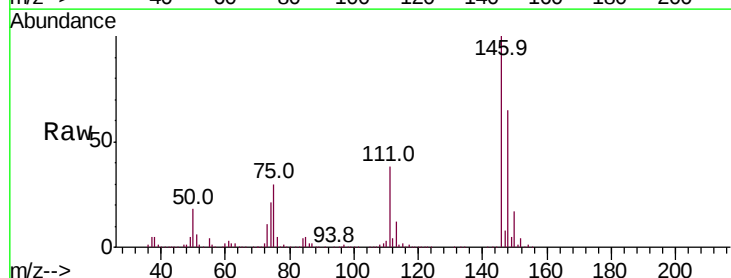
Instrument :
 MSVOA_W
 ClientSampleId :

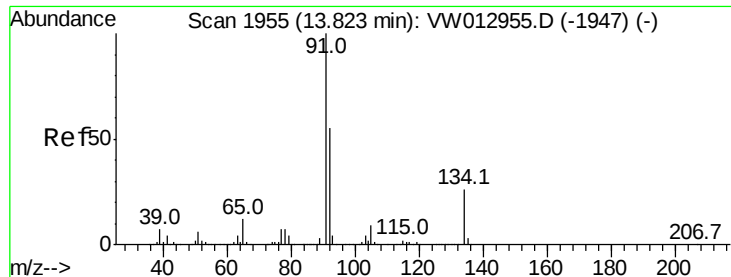
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.8	59.4
148	63.6	31.9	95.7



#88
 1,4-Dichlorobenzene
 Concen: 95.986 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012956.D
 Acq: 13 Sep 2019 15:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.4	58.2
148	64.2	31.9	95.5





#89

n-Butylbenzene

Concen: 98.869 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Instrument :

MSVOA_W

ClientSampled :

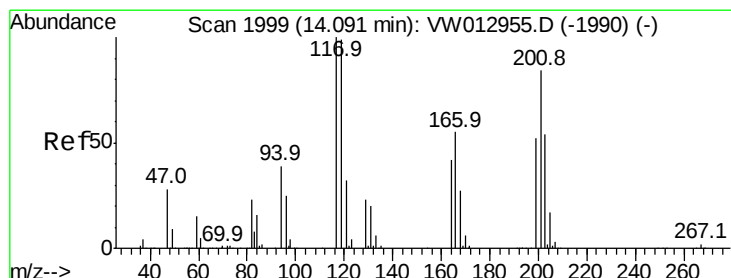
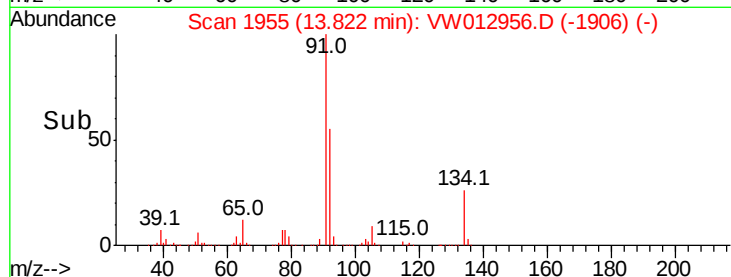
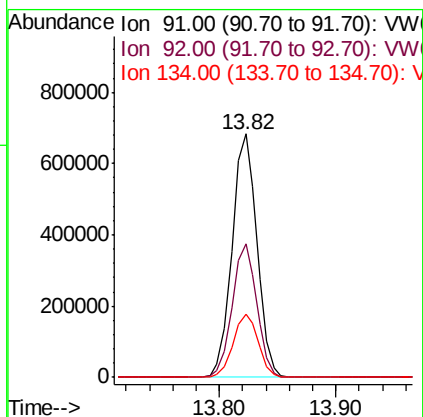
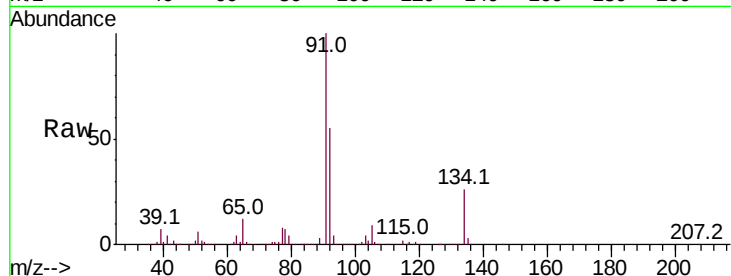
Tot Ion: 91 Resp: 1015668

Ion Ratio Lower Upper

91 100

92 54.3 27.2 81.5

134 26.2 13.1 39.1



#90

Hexachloroethane

Concen: 100.779 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012956.D

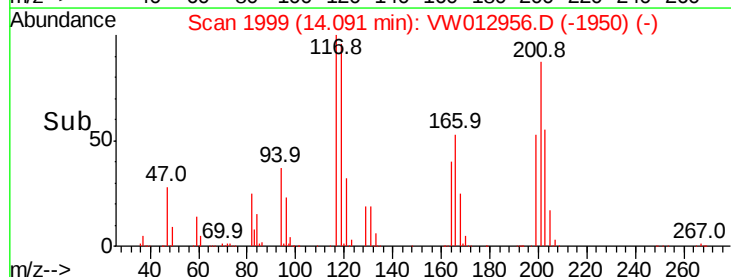
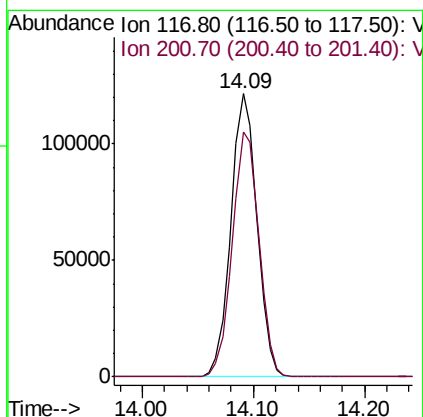
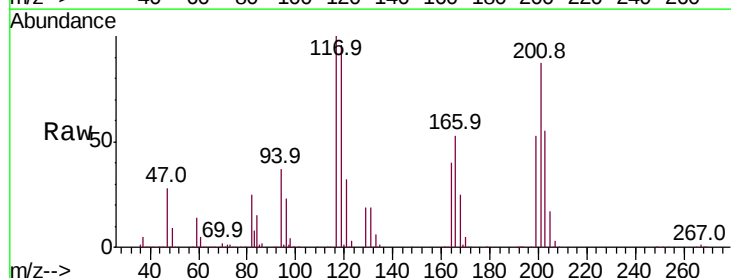
Acq: 13 Sep 2019 15:50

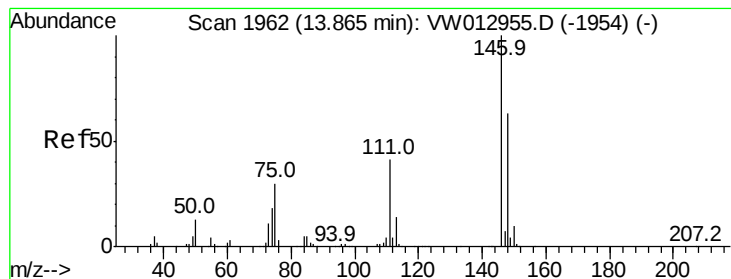
Tgt Ion: 117 Resp: 196726

Ion Ratio Lower Upper

117 100

201 88.8 45.3 135.9





#91

1,2-Dichlorobenzene

Concen: 97.175 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.01 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Instrument :

MSVOA_W

ClientSampleId :

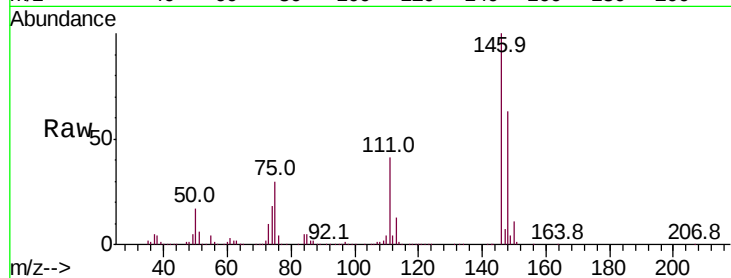
Tot Ion:146 Resp: 448485

Ion Ratio Lower Upper

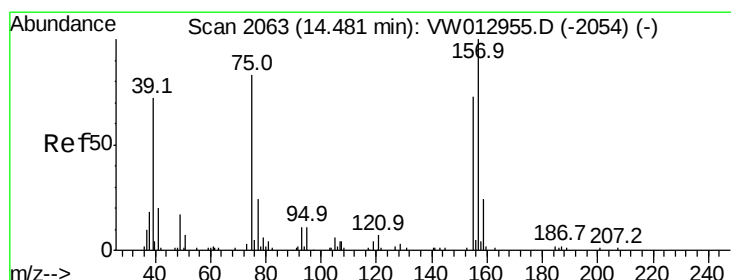
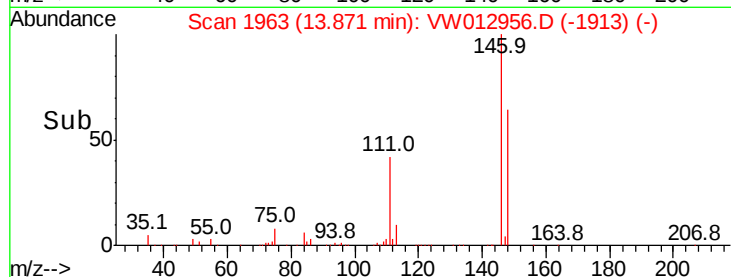
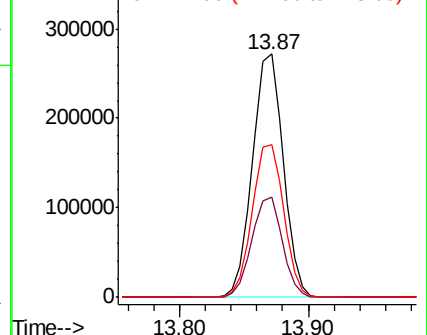
146 100

111 40.8 20.8 62.5

148 64.0 32.7 98.1



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 97.176 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

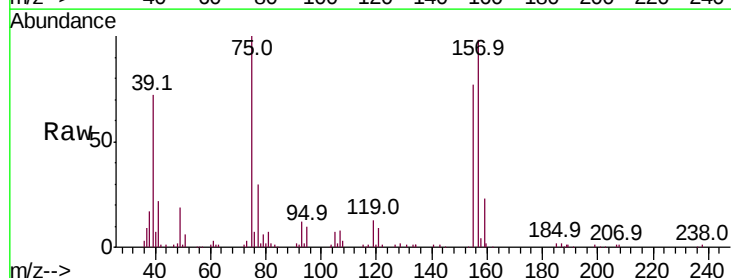
Tgt Ion: 75 Resp: 35952

Ion Ratio Lower Upper

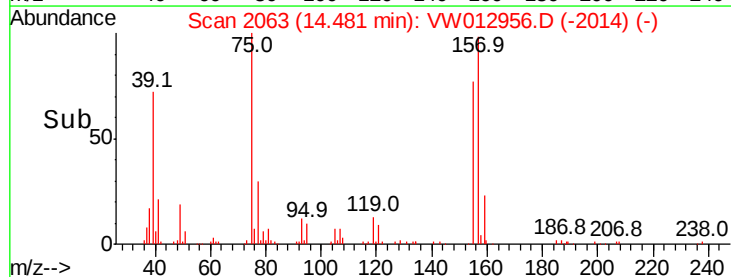
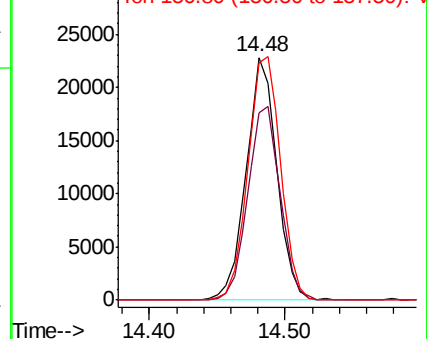
75 100

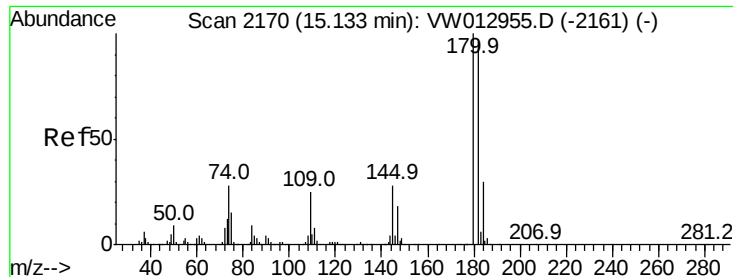
155 84.2 43.3 129.9

157 106.7 54.7 164.1



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

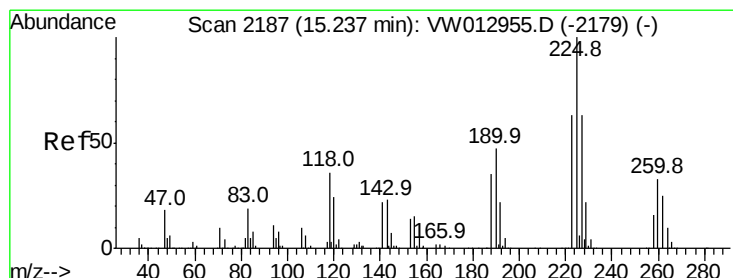
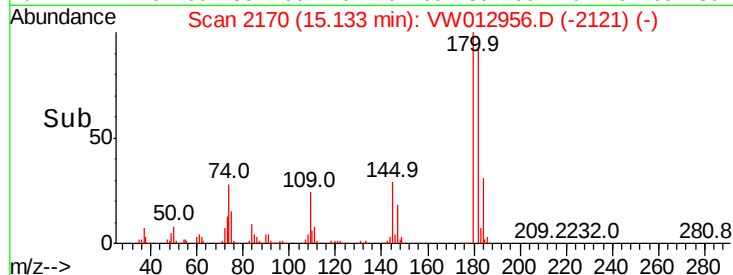
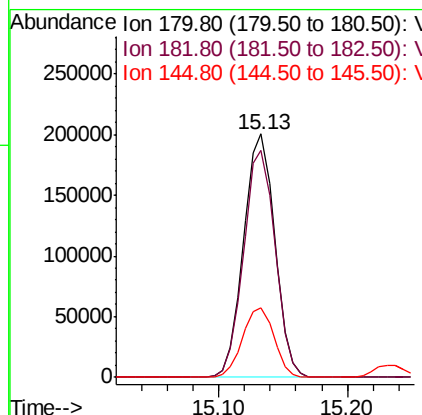
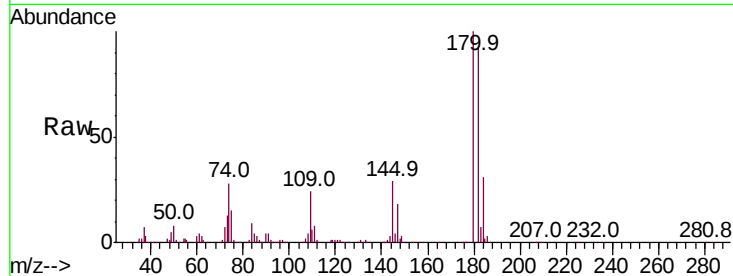




#93
 1,2,4-Trichlorobenzene
 Concen: 101.859 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012956.D
 Acq: 13 Sep 2019 15:50

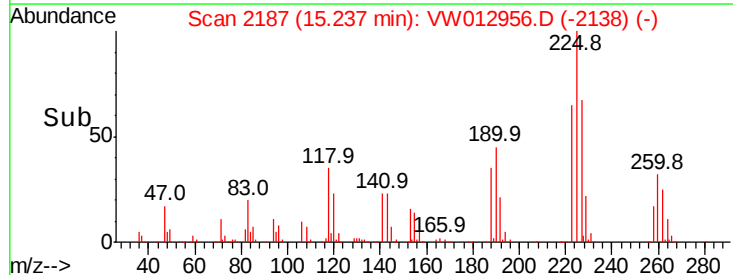
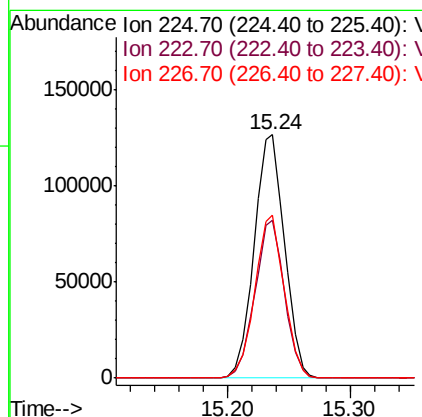
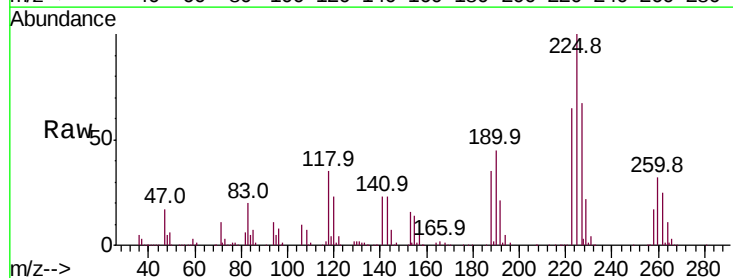
Instrument :
 MSVOA_W
 ClientSampleId :

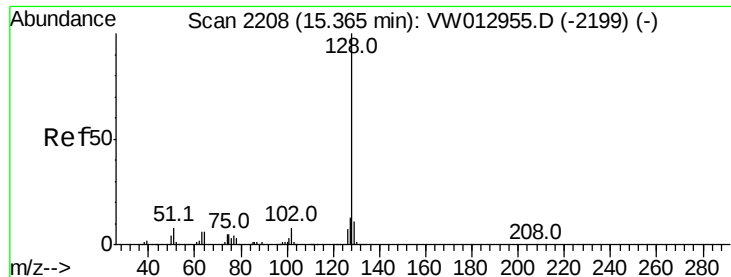
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.4	142.2
145	29.1	14.9	44.7



#94
 Hexachlorobutadiene
 Concen: 93.942 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012956.D
 Acq: 13 Sep 2019 15:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.8	95.3
227	64.7	31.3	93.8

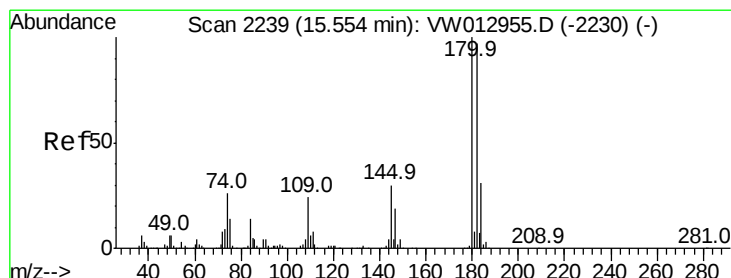
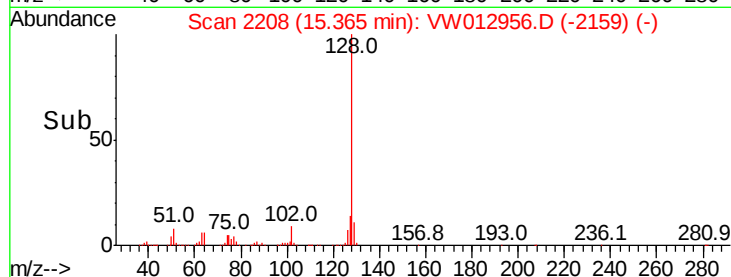
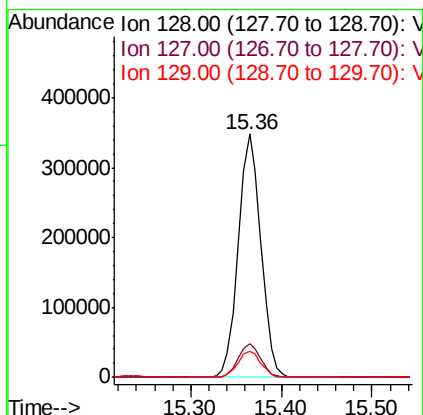
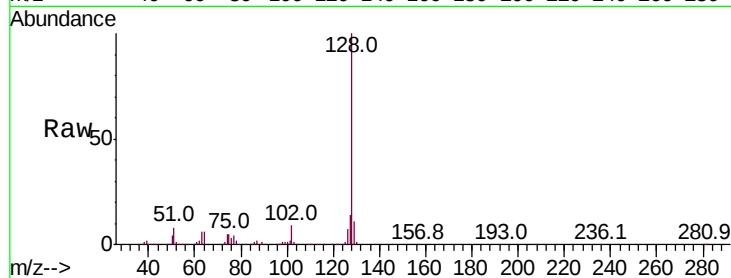




#95
Naphthalene
Concen: 109.045 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.0	11.0	16.6
129	11.0	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 100.129 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.6	142.8
145	30.8	15.4	46.2

