

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090819\
 Data File : VW012811.D
 Acq On : 09 Sep 2019 09:50
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 09 10:48:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	221237	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	356580	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	314903	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	149474	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	131644	53.26	ug/l	0.00
Spiked Amount			Recovery	=	106.52%	
35) Dibromofluoromethane	7.88	113	109526	51.66	ug/l	0.00
Spiked Amount			Recovery	=	103.32%	
50) Toluene-d8	10.32	98	436603	52.57	ug/l	0.00
Spiked Amount			Recovery	=	105.14%	
62) 4-Bromofluorobenzene	12.62	95	155822	51.68	ug/l	0.00
Spiked Amount			Recovery	=	103.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	46761	38.988	ug/l	99
3) Chloromethane	2.21	50	67522	46.324	ug/l	96
4) Vinyl Chloride	2.36	62	82895	46.382	ug/l	98
5) Bromomethane	2.77	94	52576	54.175	ug/l	96
6) Chloroethane	2.90	64	52344	49.080	ug/l	96
7) Trichlorofluoromethane	3.25	101	48991	39.723	ug/l	91
8) Diethyl Ether	3.68	74	53795	51.897	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.05	101	85551	44.203	ug/l	95
10) Methyl Iodide	4.26	142	127491	52.327	ug/l	99
11) Tert butyl alcohol	5.22	59	40109	212.071	ug/l	98
12) 1,1-Dichloroethene	4.04	96	84299	46.140	ug/l	98
13) Acrolein	3.90	56	9307	46.372	ug/l	92
14) Allyl chloride	4.66	41	177083	46.854	ug/l	98
15) Acrylonitrile	5.36	53	137671	227.394	ug/l	99
16) Acetone	4.14	43	109280	162.160	ug/l	99
17) Carbon Disulfide	4.38	76	162249	41.837	ug/l	99
18) Methyl Acetate	4.67	43	77580	49.068	ug/l	94
19) Methyl tert-butyl Ether	5.42	73	195739	54.021	ug/l	97
20) Methylene Chloride	4.91	84	105925	50.241	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	97918	52.525	ug/l	92
22) Diisopropyl ether	6.31	45	412453	55.023	ug/l	98
23) Vinyl Acetate	6.25	43	1087791	228.980	ug/l	99
24) 1,1-Dichloroethane	6.21	63	217777	53.956	ug/l	97
25) 2-Butanone	7.17	43	183020	189.608	ug/l	99
26) 2,2-Dichloropropane	7.17	77	102910	40.369	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	123739	57.245	ug/l	94
28) Bromochloromethane	7.51	49	95147	51.339	ug/l #	93
29) Tetrahydrofuran	7.53	42	117977	216.789	ug/l	97
30) Chloroform	7.67	83	218849	54.711	ug/l	97
31) Cyclohexane	7.95	56	153177	42.155	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	165845	51.148	ug/l	99
36) 1,1-Dichloropropene	8.08	75	145921	46.056	ug/l	99
37) Ethyl Acetate	7.25	43	82419	40.807	ug/l	98
38) Carbon Tetrachloride	8.07	117	142807	45.725	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	154244	43.346	ug/l	97
40) Benzene	8.32	78	443900	50.498	ug/l	100
41) Methacrylonitrile	7.48	41	58763	43.353	ug/l	96
42) 1,2-Dichloroethane	8.40	62	151194	48.871	ug/l	99
43) Isopropyl Acetate	8.42	43	166685	43.561	ug/l	96
44) Trichloroethene	9.09	130	115577	51.007	ug/l	88
45) 1,2-Dichloropropane	9.37	63	123990	50.856	ug/l	99
46) Dibromomethane	9.46	93	57121	49.476	ug/l	98
47) Bromodichloromethane	9.64	83	161105	50.720	ug/l	99
48) Methyl methacrylate	9.43	41	85812	46.927	ug/l	95
49) 1,4-Dioxane	9.47	88	19168	840.512	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	422607	210.477	ug/l	98
52) Toluene	10.38	92	281902	51.381	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	156575	47.939	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	183336	49.481	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	88066	50.951	ug/l	98
56) Ethyl methacrylate	10.65	69	121998	48.218	ug/l	98
57) 1,3-Dichloropropane	10.93	76	157181	49.156	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	335519	249.792	ug/l	97
59) 2-Hexanone	10.97	43	284000	193.605	ug/l	100
60) Dibromochloromethane	11.13	129	102436	50.392	ug/l	99
61) 1,2-Dibromoethane	11.23	107	78227	49.366	ug/l	99
64) Tetrachloroethene	10.86	164	117622	61.558	ug/l	99
65) Chlorobenzene	11.66	112	307896	51.732	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	116036	52.352	ug/l	98
67) Ethyl Benzene	11.73	91	568210	50.883	ug/l	99
68) m/p-Xylenes	11.84	106	413602	102.611	ug/l	98
69) o-Xylene	12.16	106	199794	52.540	ug/l	98
70) Styrene	12.18	104	355246	52.867	ug/l	99
71) Bromoform	12.35	173	58143	47.216	ug/l #	99
73) Isopropylbenzene	12.46	105	557075	51.963	ug/l	100
74) N-amyl acetate	12.27	43	152235	44.737	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	96417	44.782	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	126158	82.540	ug/l #	100
77) Bromobenzene	12.74	156	130441	53.704	ug/l	93
78) n-propylbenzene	12.80	91	644740	50.284	ug/l	99
79) 2-Chlorotoluene	12.89	91	382069	51.907	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	469989	52.026	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	28217	39.047	ug/l	99
82) 4-Chlorotoluene	12.99	91	399462	51.306	ug/l	99
83) tert-Butylbenzene	13.21	119	419115	52.470	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	471248	51.770	ug/l	100
85) sec-Butylbenzene	13.38	105	548490	49.485	ug/l	99
86) p-Isopropyltoluene	13.49	119	501266	49.511	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	246792	51.694	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	242669	51.083	ug/l	99
89) n-Butylbenzene	13.82	91	461731	46.977	ug/l	100
90) Hexachloroethane	14.09	117	90952	51.460	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	221719	51.599	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	16334	41.456	ug/l	97

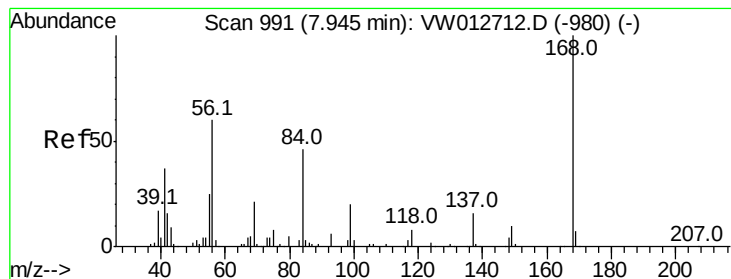
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	153571	51.333	ug/l	97
94) Hexachlorobutadiene	15.24	225	99963	48.275	ug/l	98
95) Naphthalene	15.36	128	274521	44.328	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	134545	50.950	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012811.D

Acq: 09 Sep 2019 09:50

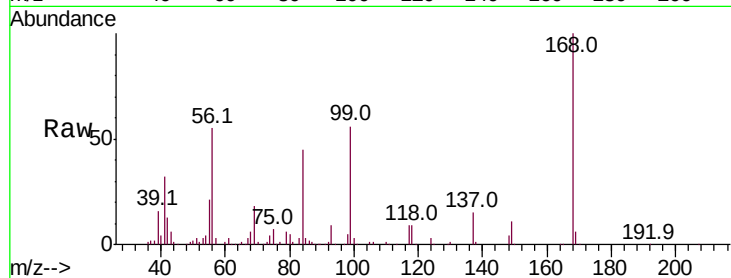
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 221237

Ion Ratio Lower Upper

168 100

99 55.6 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

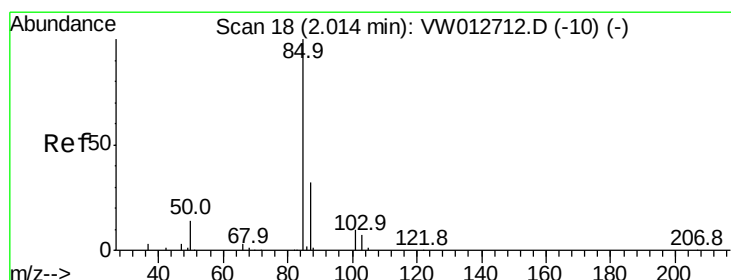
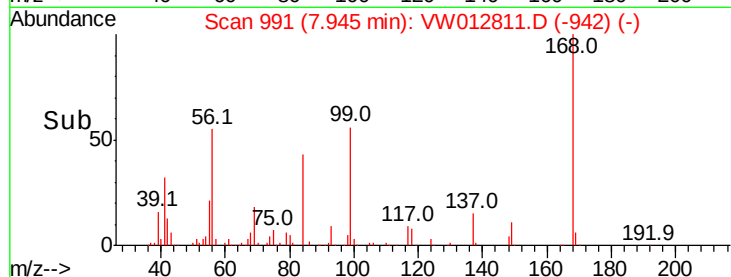
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 38.988 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012811.D

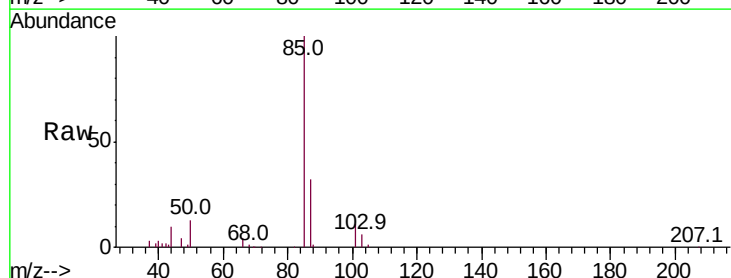
Acq: 09 Sep 2019 09:50

Tgt Ion: 85 Resp: 46761

Ion Ratio Lower Upper

85 100

87 32.3 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

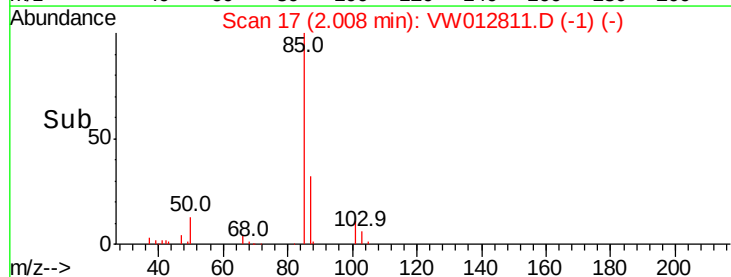
15000

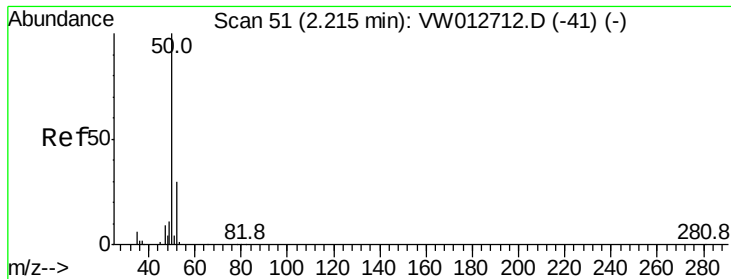
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 46.324 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012811.D

Acq: 09 Sep 2019 09:50

Instrument :

MSVOA_W

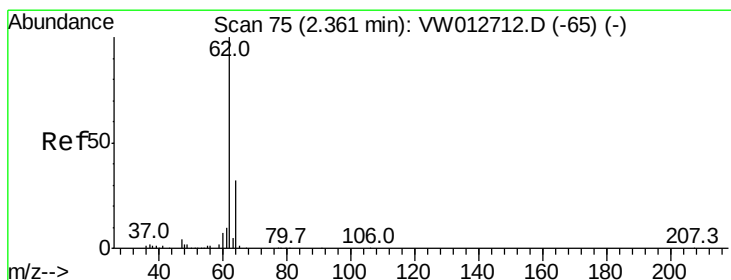
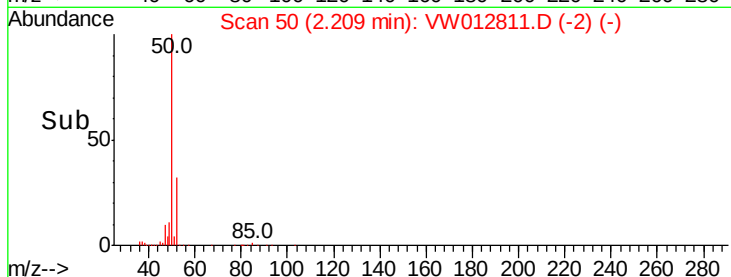
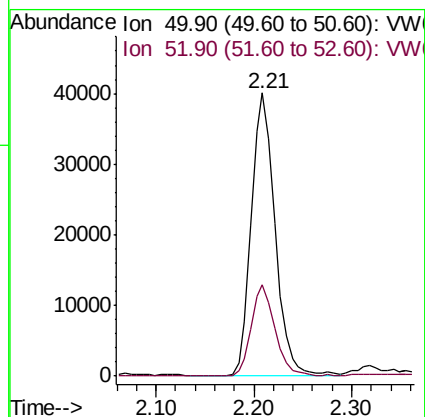
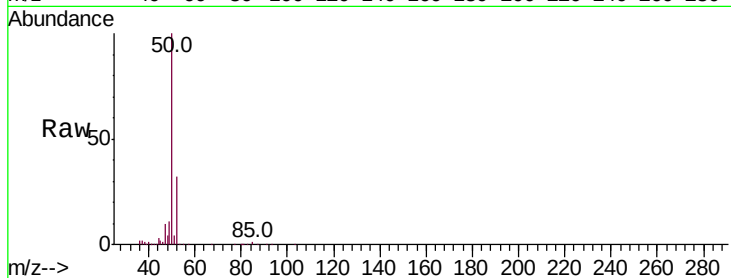
ClientSampleId :

Tot Ion: 50 Resp: 67522

Ion Ratio Lower Upper

50 100

52 32.3 24.2 36.2



#4

Vinyl Chloride

Concen: 46.382 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW012811.D

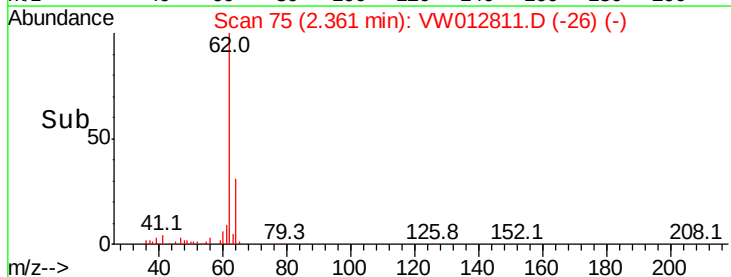
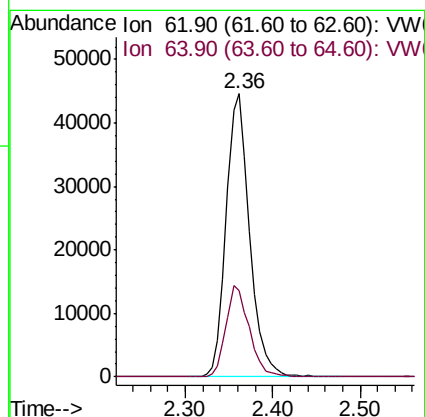
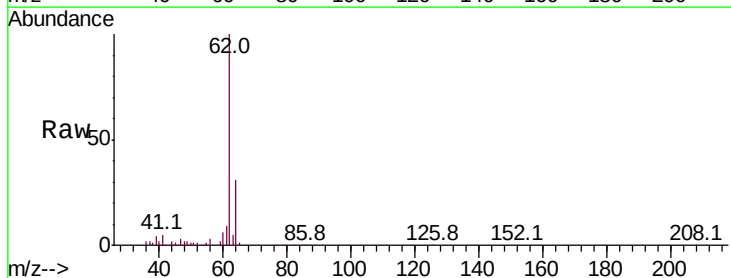
Acq: 09 Sep 2019 09:50

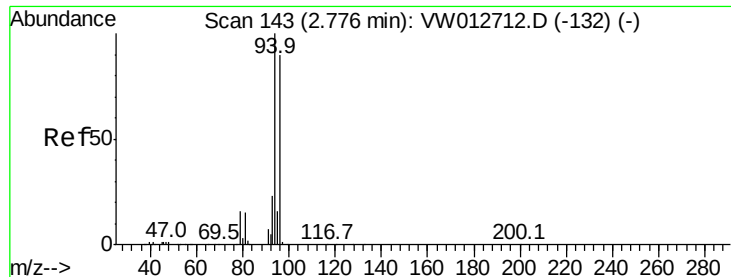
Tgt Ion: 62 Resp: 82895

Ion Ratio Lower Upper

62 100

64 30.6 25.3 37.9





#5

Bromomethane

Concen: 54.175 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW012811.D

Acq: 09 Sep 2019 09:50

Instrument :

MSVOA_W

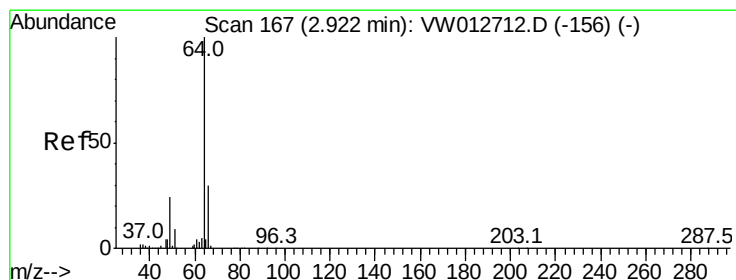
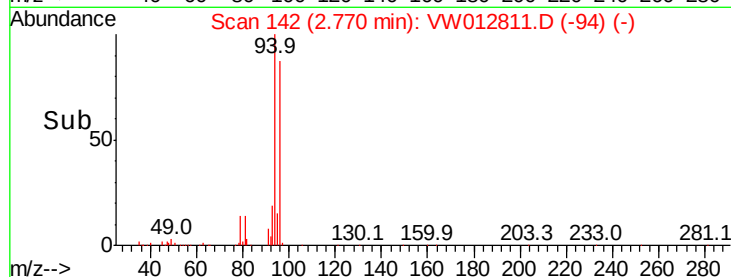
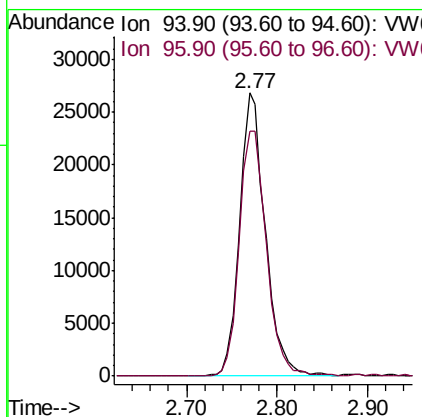
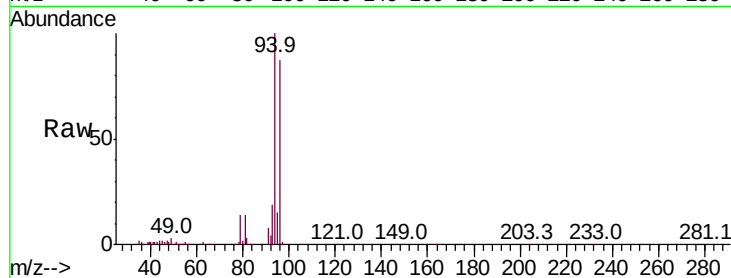
ClientSampled :

Tot Ion: 94 Resp: 52576

Ion Ratio Lower Upper

94 100

96 86.4 72.1 108.1



#6

Chloroethane

Concen: 49.080 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.02 min

Lab File: VW012811.D

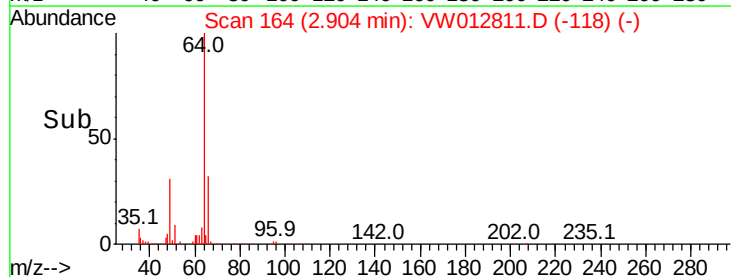
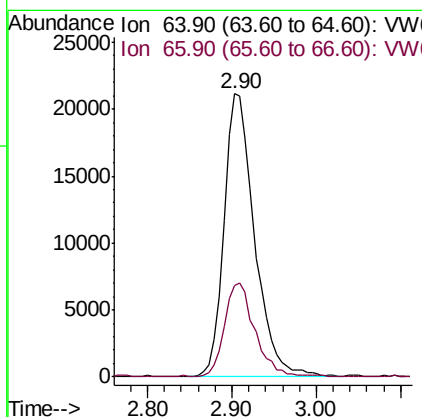
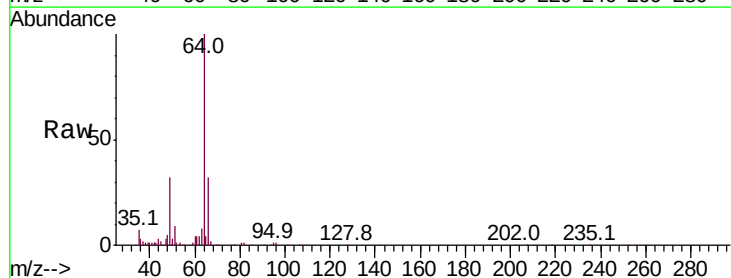
Acq: 09 Sep 2019 09:50

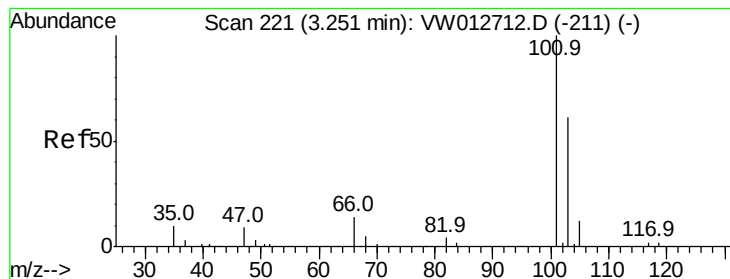
Tgt Ion: 64 Resp: 52344

Ion Ratio Lower Upper

64 100

66 32.1 23.8 35.6



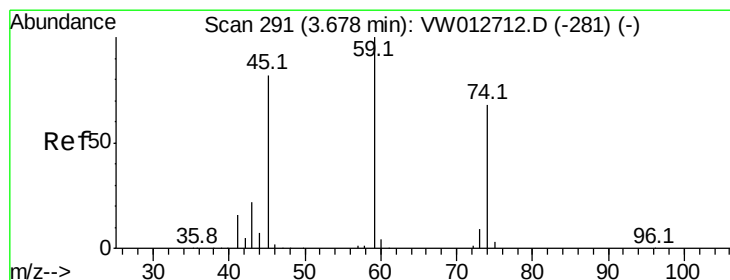
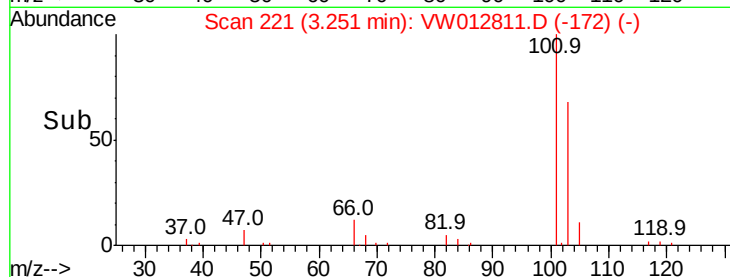
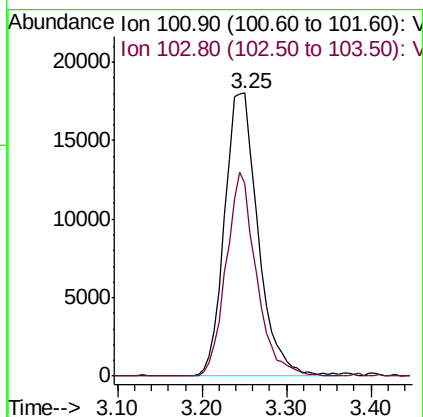
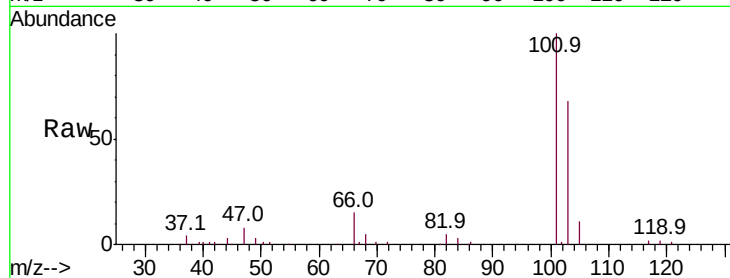


#7

Trichlorofluoromethane
Concen: 39.723 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW012811.D
Acq: 09 Sep 2019 09:50

Instrument :
MSVOA_W
ClientSampled :

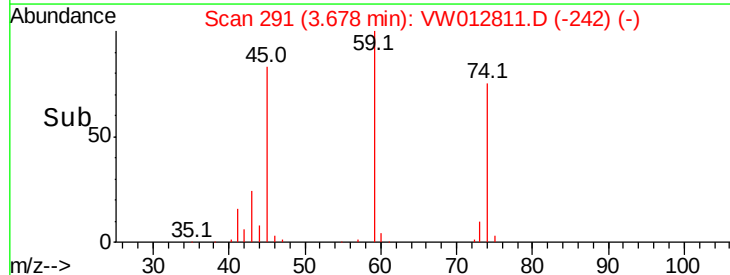
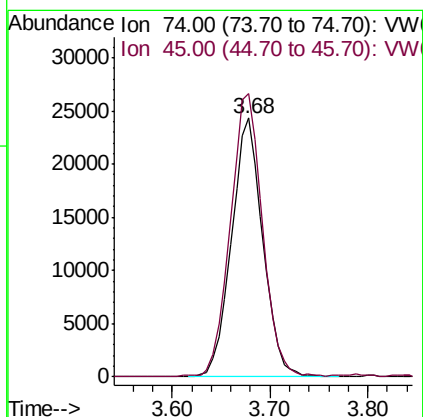
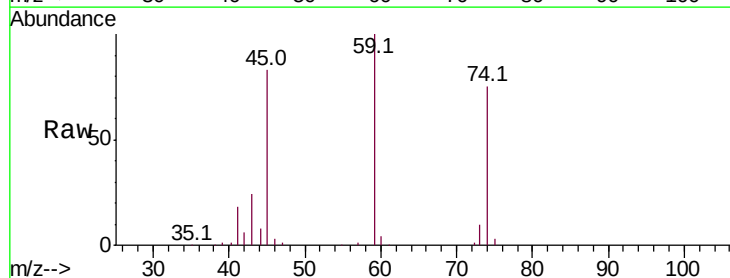
Tot Ion:101 Resp: 48991
Ion Ratio Lower Upper
101 100
103 68.1 49.0 73.4

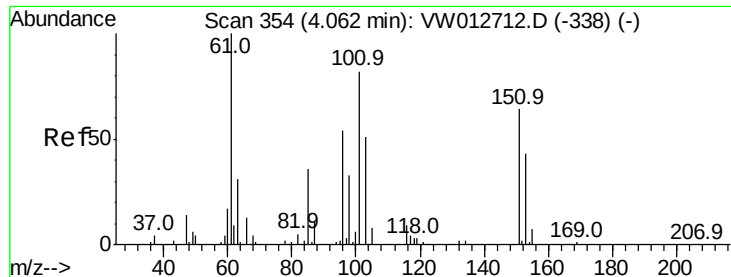


#8

Diethyl Ether
Concen: 51.897 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW012811.D
Acq: 09 Sep 2019 09:50

Tgt Ion: 74 Resp: 53795
Ion Ratio Lower Upper
74 100
45 113.5 58.8 176.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.203 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW012811.D

Acq: 09 Sep 2019 09:50

Instrument :

MSVOA_W

ClientSampleId :

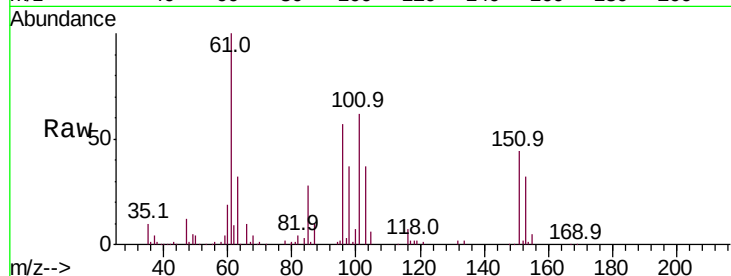
Tot Ion:101 Resp: 85551

Ion Ratio Lower Upper

101 100

85 46.3 36.2 54.2

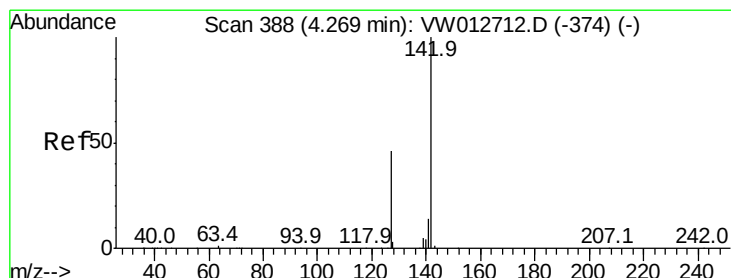
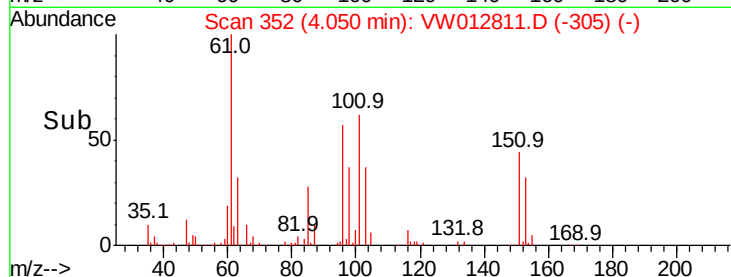
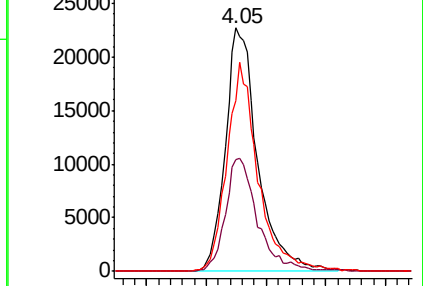
151 82.9 61.9 92.9



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: 52.327 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW012811.D

Acq: 09 Sep 2019 09:50

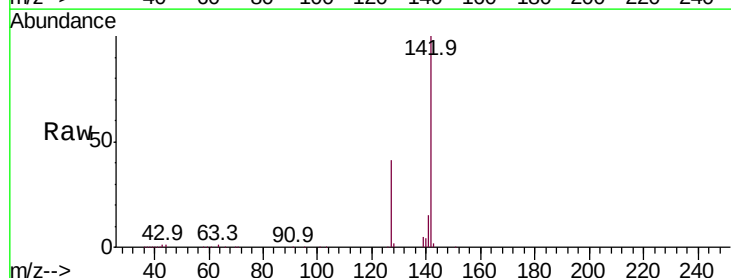
Tgt Ion:142 Resp: 127491

Ion Ratio Lower Upper

142 100

127 44.3 36.0 54.0

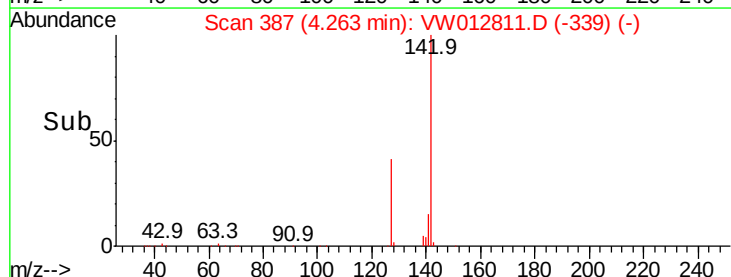
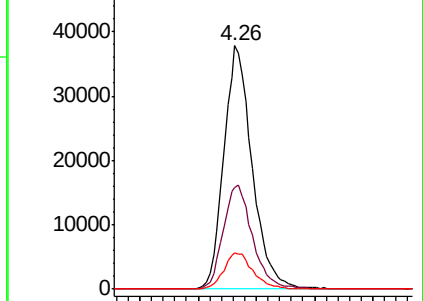
141 15.3 12.2 18.4

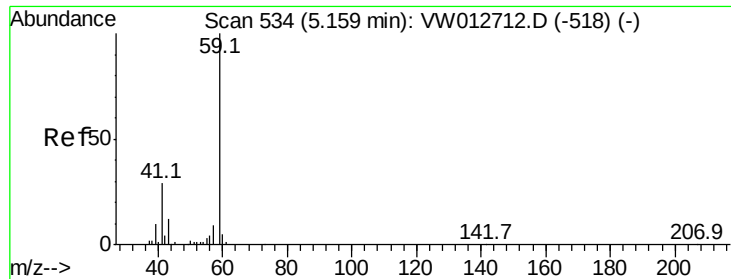


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

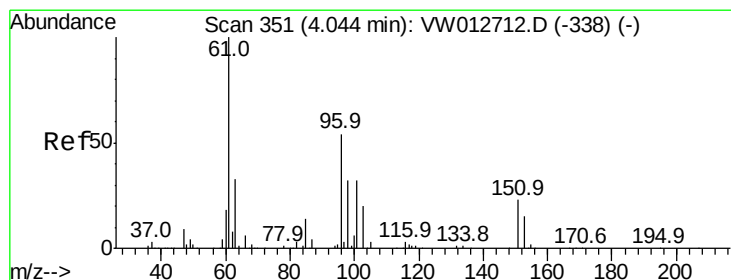
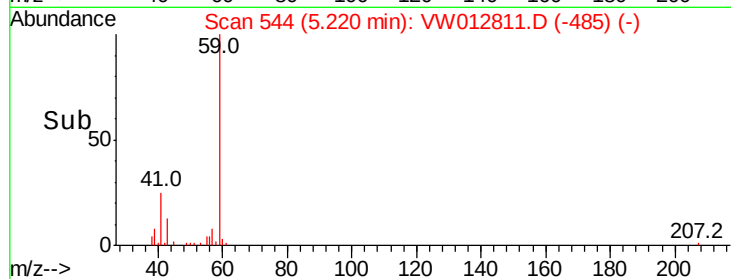
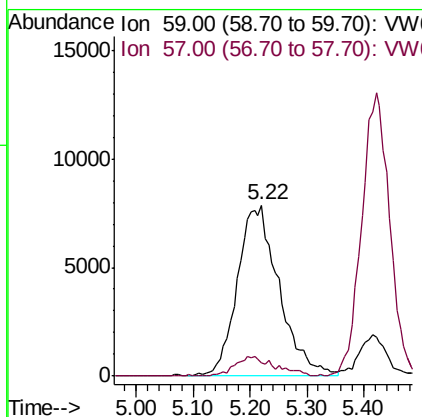
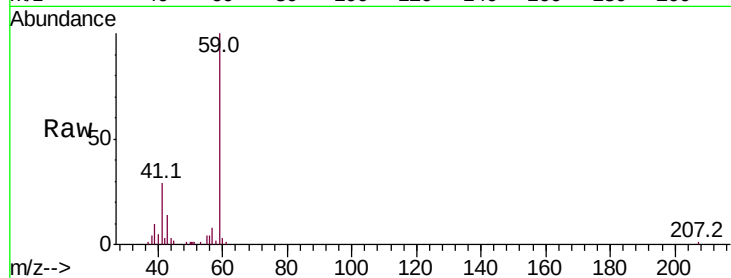




#11
Tert butyl alcohol
Concen: 212.071 ug/l
RT: 5.22 min Scan# 544
Delta R.T. 0.06 min
Lab File: VW012811.D
Acq: 09 Sep 2019 09:50

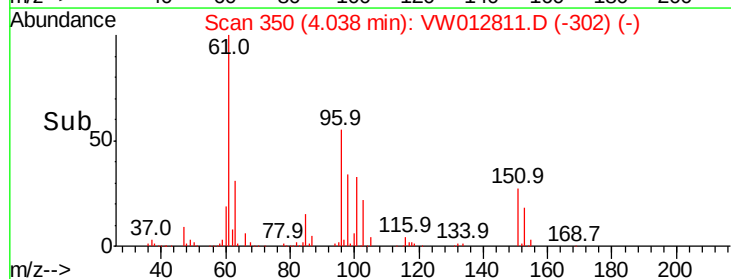
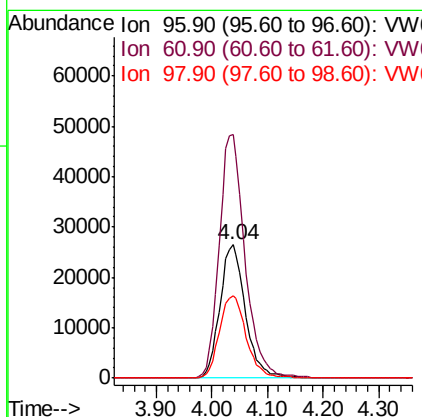
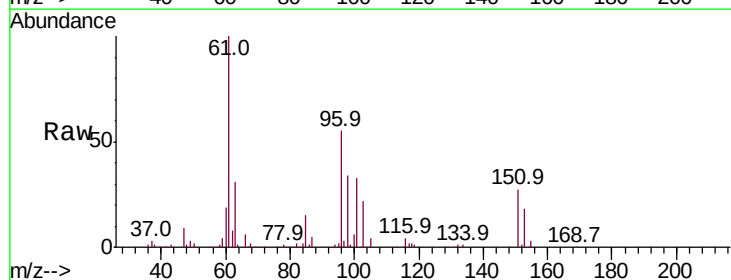
Instrument :
MSVOA_W
ClientSampled :

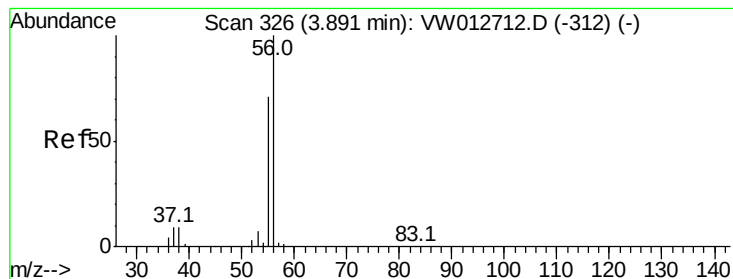
Tot Ion: 59 Resp: 40109
Ion Ratio Lower Upper
59 100
57 11.2 8.2 12.4



#12
1,1-Dichloroethene
Concen: 46.140 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012811.D
Acq: 09 Sep 2019 09:50

Tgt Ion: 96 Resp: 84299
Ion Ratio Lower Upper
96 100
61 182.7 147.8 221.6
98 61.7 47.9 71.9





#13

Acrolein

Concen: 46.372 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW012811.D

Acq: 09 Sep 2019 09:50

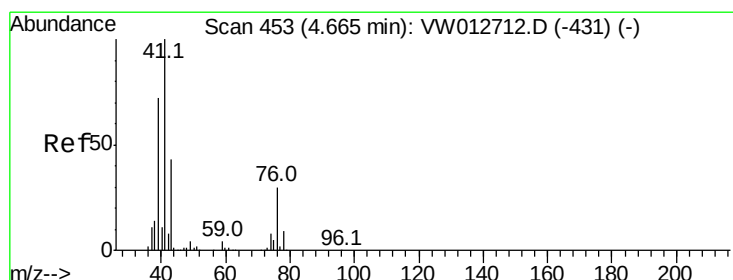
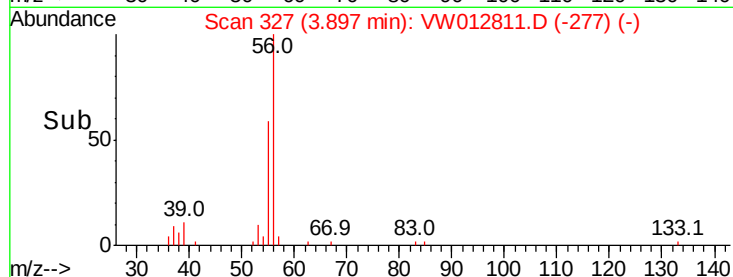
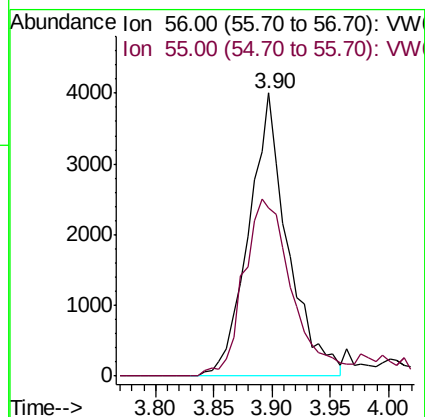
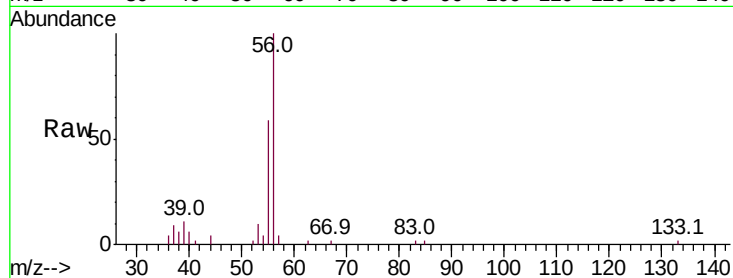
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 9307

Ion Ratio Lower Upper

56 100

55 77.9 56.9 85.3



#14

Allyl chloride

Concen: 46.854 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012811.D

Acq: 09 Sep 2019 09:50

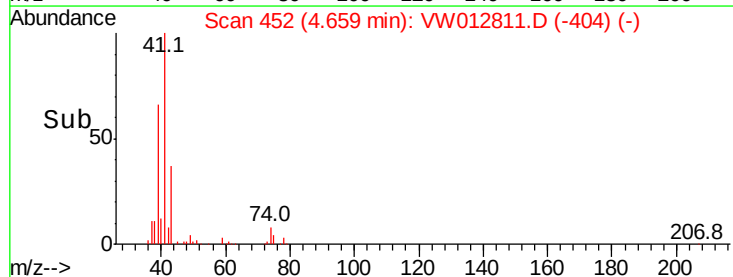
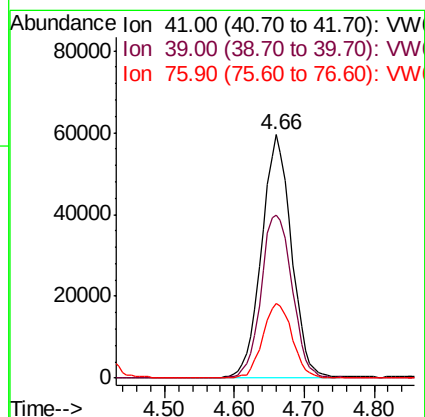
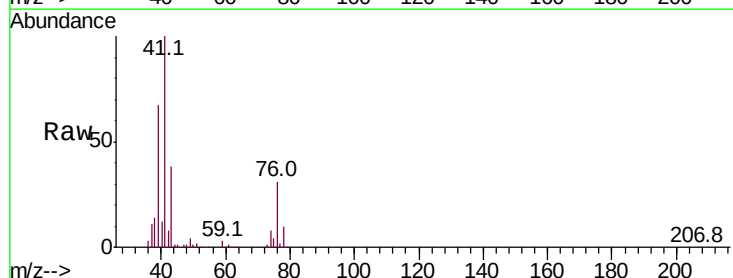
Tgt Ion: 41 Resp: 177083

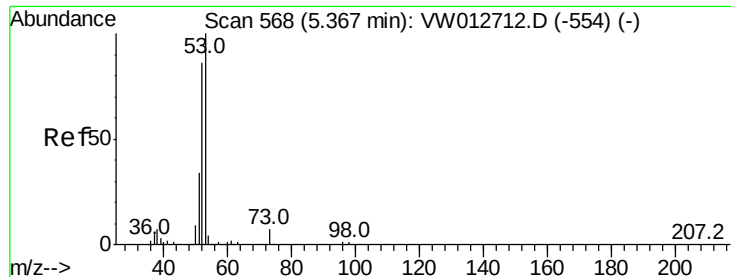
Ion Ratio Lower Upper

41 100

39 69.6 55.0 82.6

76 30.3 23.0 34.4





#15

Acrylonitrile

Concen: 227.394 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012811.D

Acq: 09 Sep 2019 09:50

Instrument :

MSVOA_W

ClientSampled :

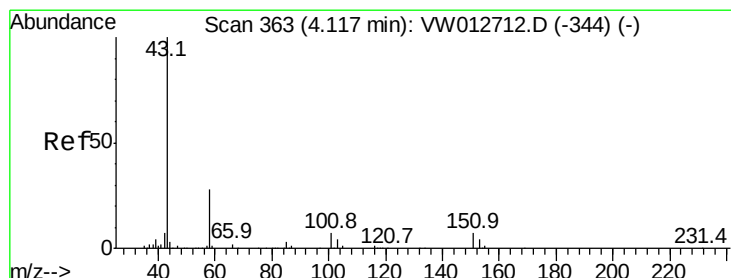
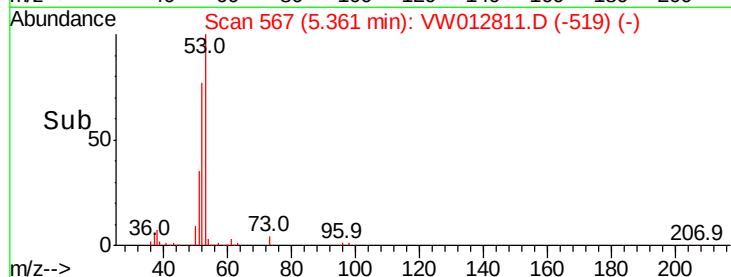
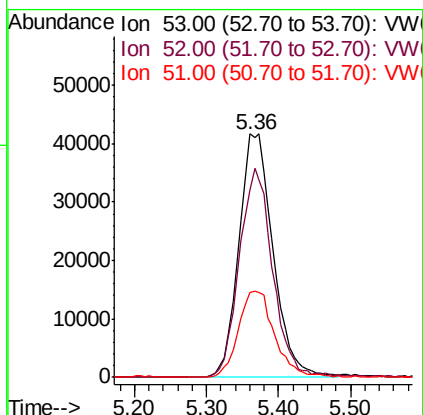
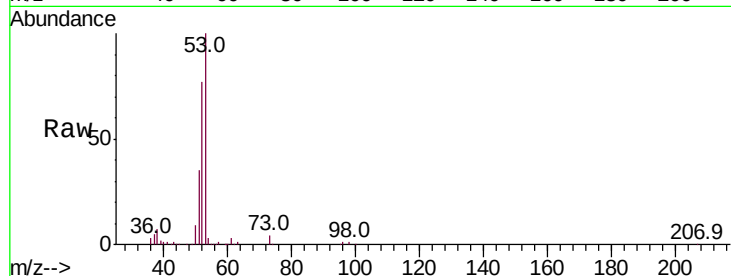
Tot Ion: 53 Resp: 137671

Ion Ratio Lower Upper

53 100

52 82.9 67.0 100.4

51 37.5 29.8 44.8



#16

Acetone

Concen: 162.160 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW012811.D

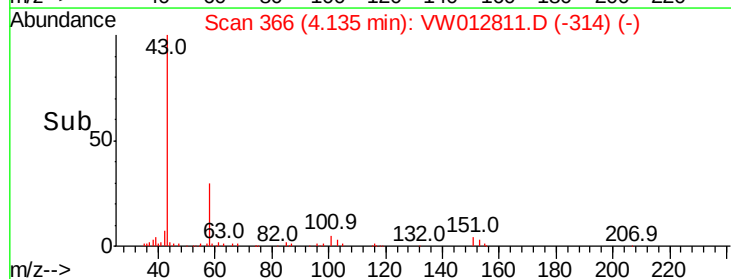
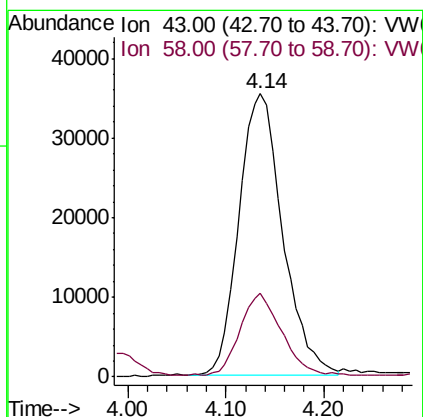
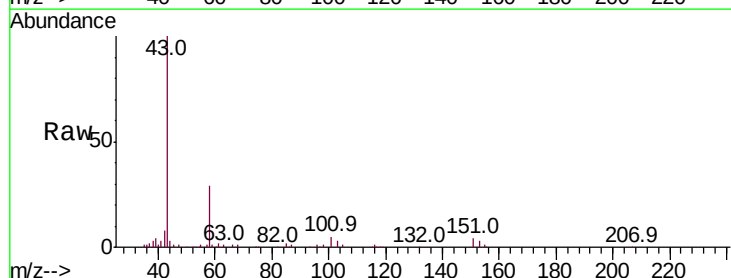
Acq: 09 Sep 2019 09:50

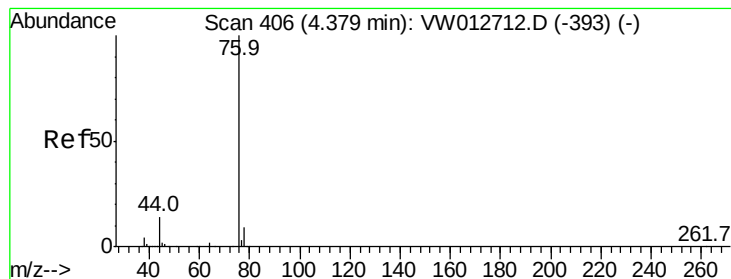
Tgt Ion: 43 Resp: 109280

Ion Ratio Lower Upper

43 100

58 28.9 22.6 33.8





#17

Carbon Disulfide

Concen: 41.837 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW012811.D

Acq: 09 Sep 2019 09:50

Instrument :

MSVOA_W

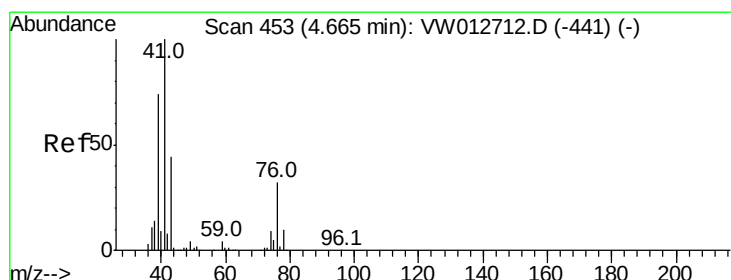
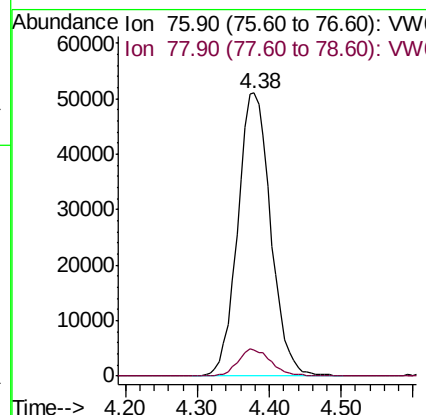
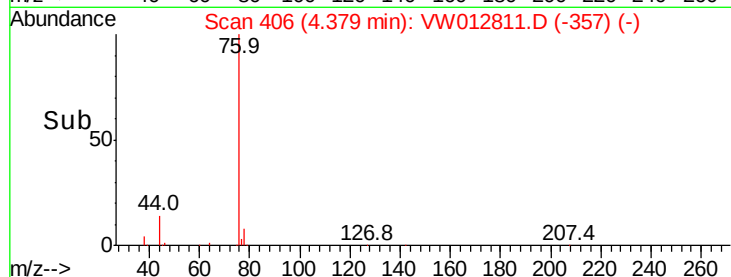
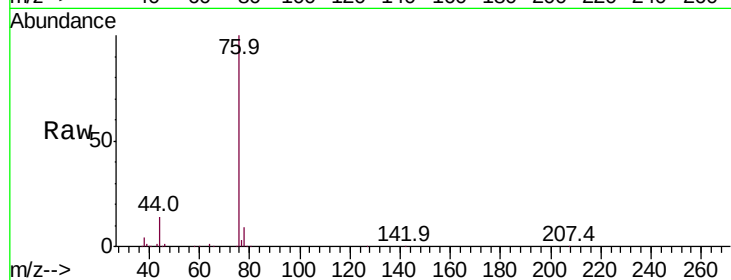
ClientSampled :

Tot Ion: 76 Resp: 162249

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8



#18

Methyl Acetate

Concen: 49.068 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW012811.D

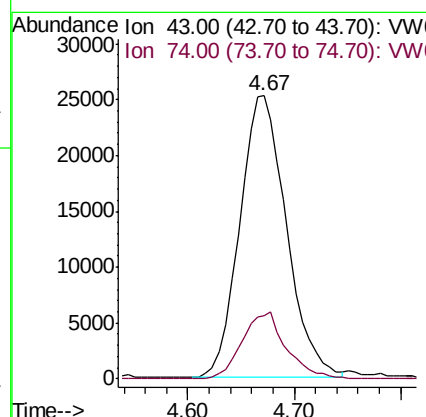
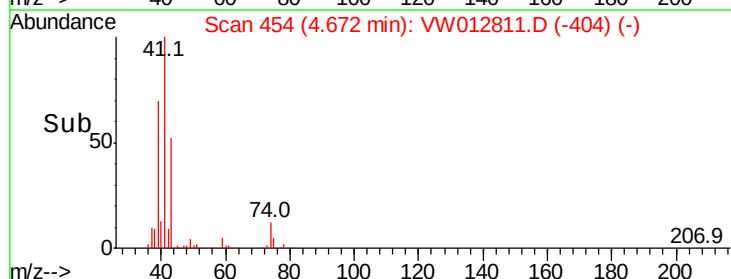
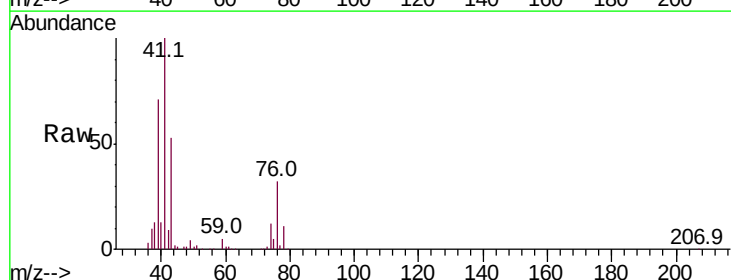
Acq: 09 Sep 2019 09:50

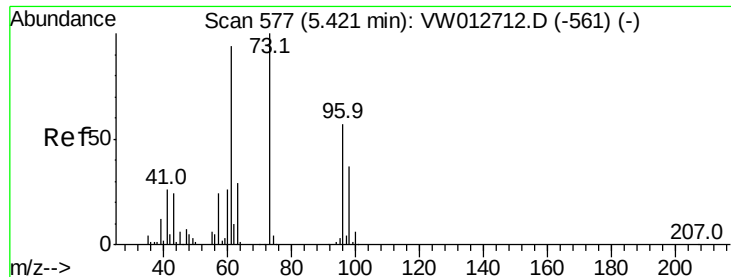
Tgt Ion: 43 Resp: 77580

Ion Ratio Lower Upper

43 100

74 22.5 15.8 23.6

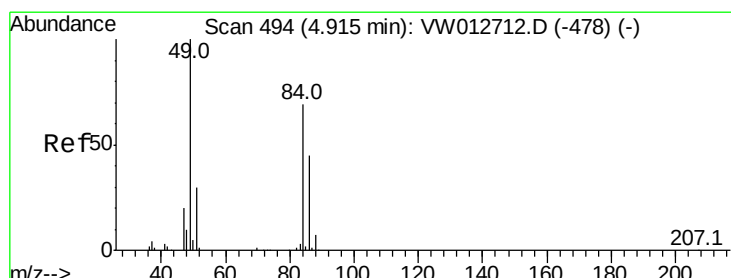
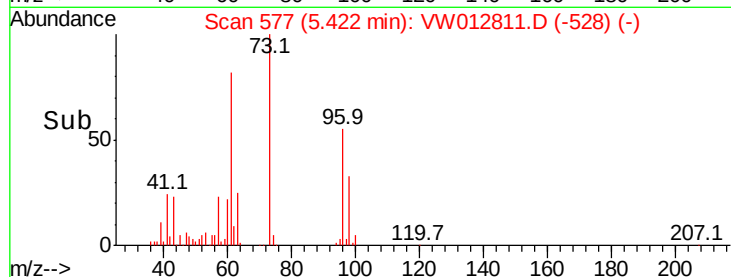
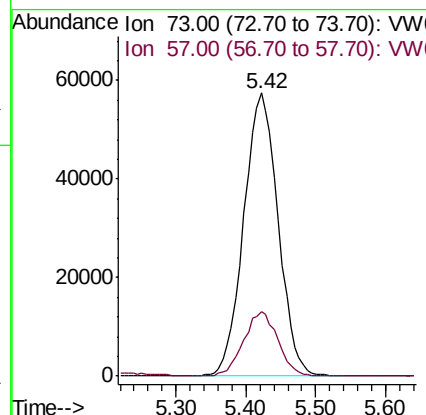
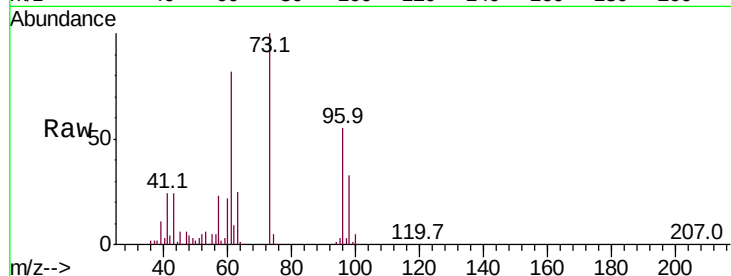




#19
Methyl tert-butyl Ether
Concen: 54.021 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW012811.D
Acq: 09 Sep 2019 09:50

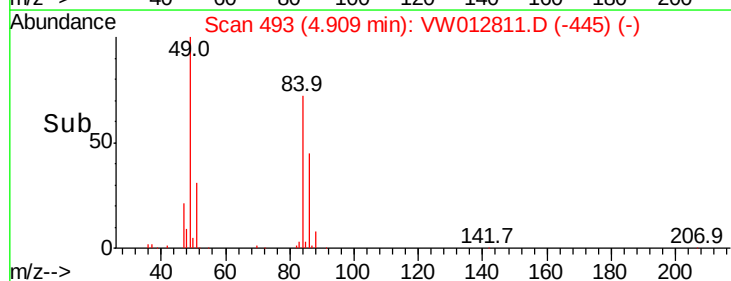
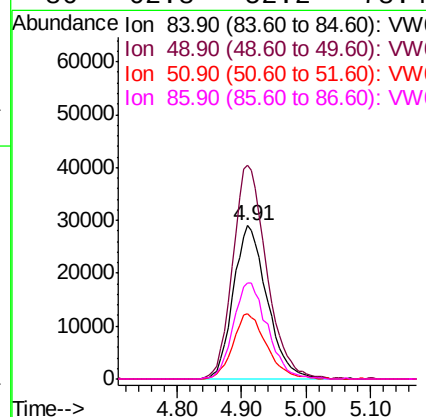
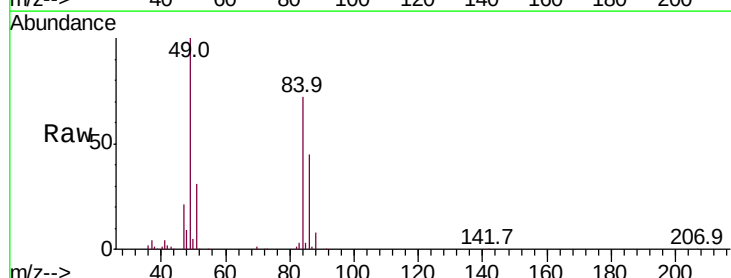
Instrument :
MSVOA_W
ClientSampled :

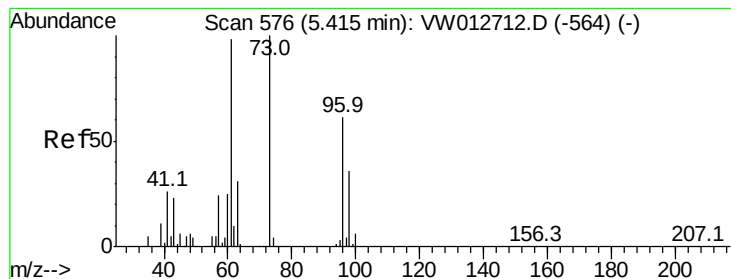
Tot Ion: 73 Resp: 195739
Ion Ratio Lower Upper
73 100
57 22.7 19.2 28.8



#20
Methylene Chloride
Concen: 50.241 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012811.D
Acq: 09 Sep 2019 09:50

Tgt Ion: 84 Resp: 105925
Ion Ratio Lower Upper
84 100
49 139.3 115.4 173.0
51 42.7 34.9 52.3
86 62.8 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 52.525 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW012811.D

Acq: 09 Sep 2019 09:50

Instrument :
MSVOA_W
ClientSampled :

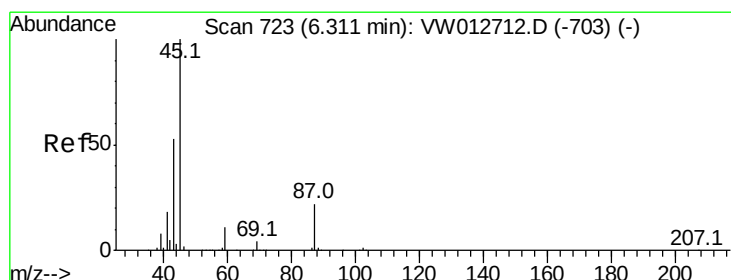
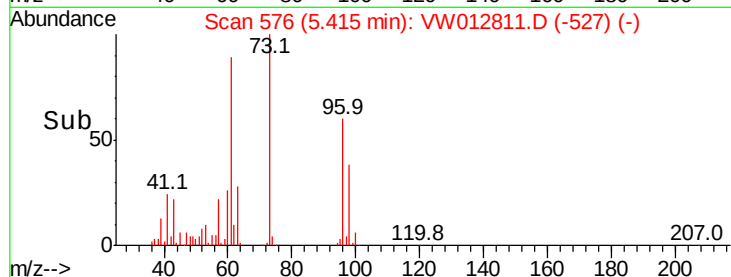
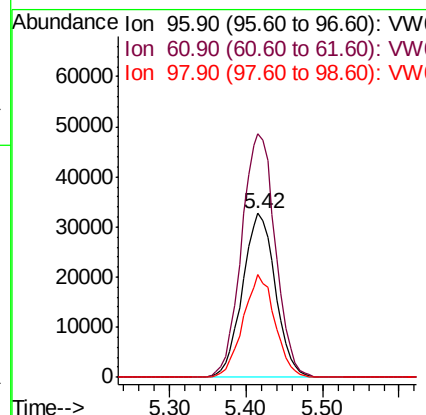
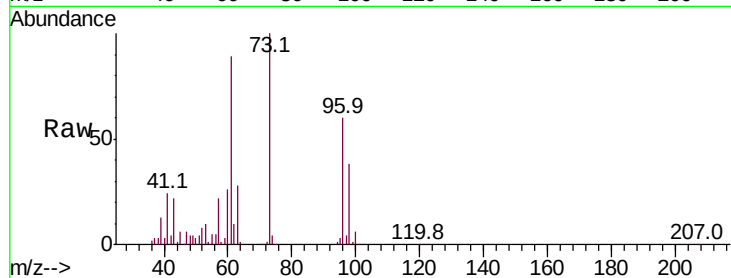
Tot Ion: 96 Resp: 97918

Ion Ratio Lower Upper

96 100

61 148.5 129.2 193.8

98 62.4 48.0 72.0



#22

Diisopropyl ether

Concen: 55.023 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW012811.D

Acq: 09 Sep 2019 09:50

Tgt Ion: 45 Resp: 412453

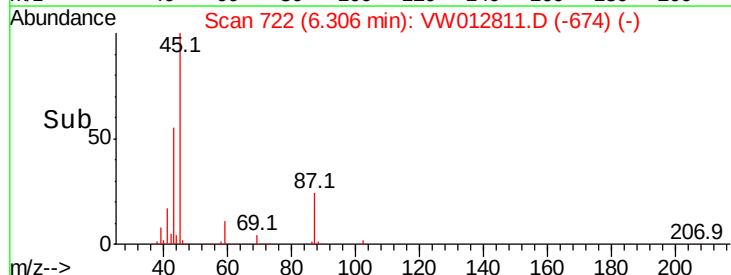
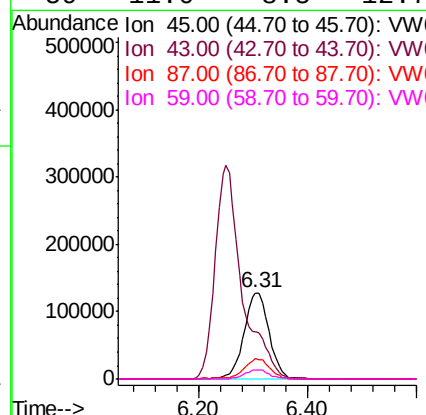
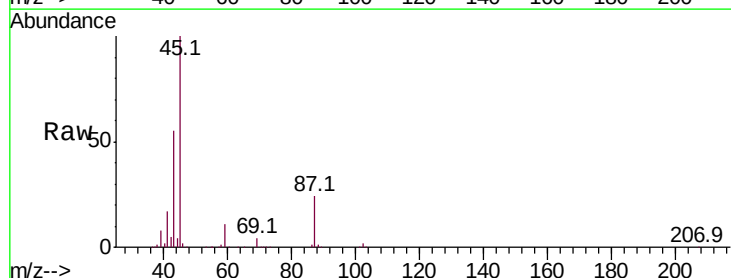
Ion Ratio Lower Upper

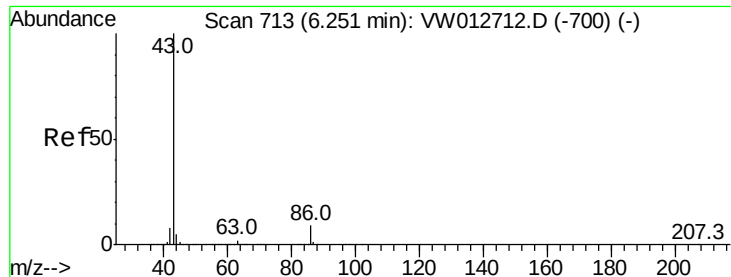
45 100

43 54.6 42.3 63.5

87 24.3 18.2 27.2

59 11.0 8.5 12.7





#23

Vinyl Acetate

Concen: 228.980 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW012811.D

Acq: 09 Sep 2019 09:50

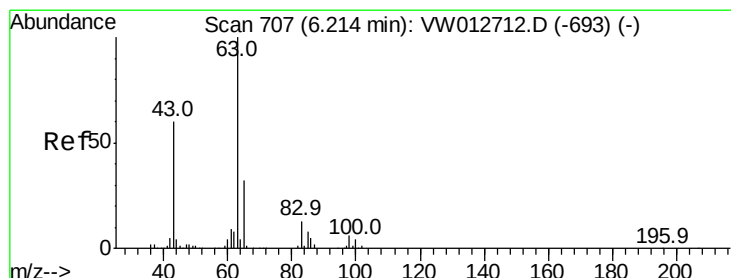
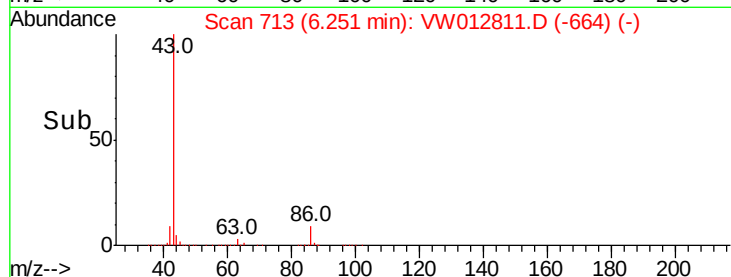
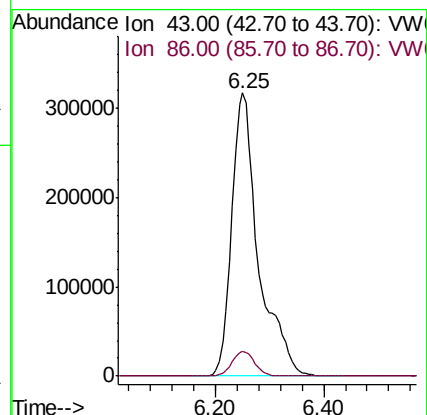
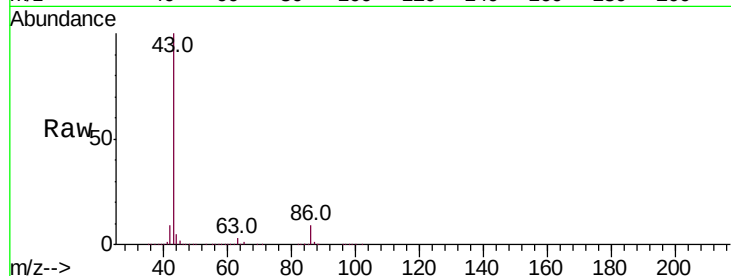
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 1087791

Ion Ratio Lower Upper

43 100

86 9.0 7.0 10.6



#24

1,1-Dichloroethane

Concen: 53.956 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012811.D

Acq: 09 Sep 2019 09:50

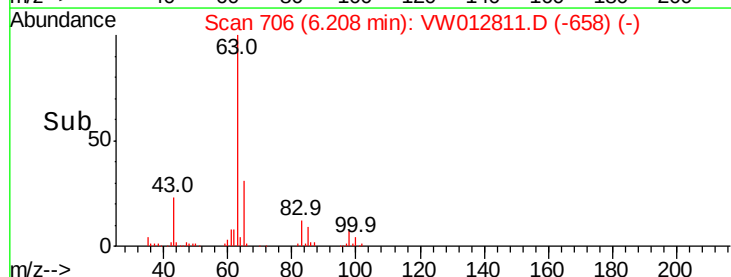
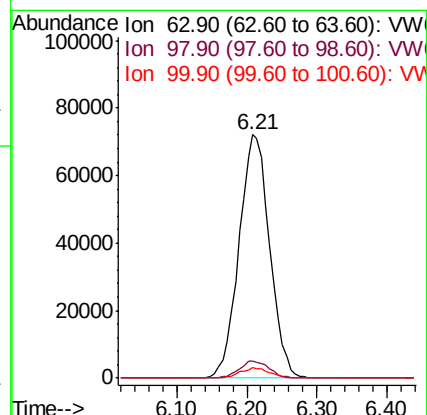
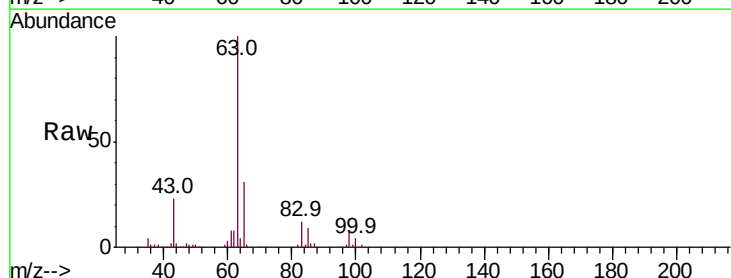
Tgt Ion: 63 Resp: 217777

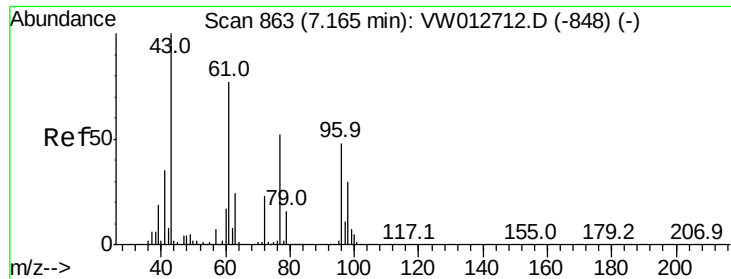
Ion Ratio Lower Upper

63 100

98 7.1 3.1 9.3

100 4.5 1.8 5.5





#25

2-Butanone

Concen: 189.608 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW012811.D

Acq: 09 Sep 2019 09:50

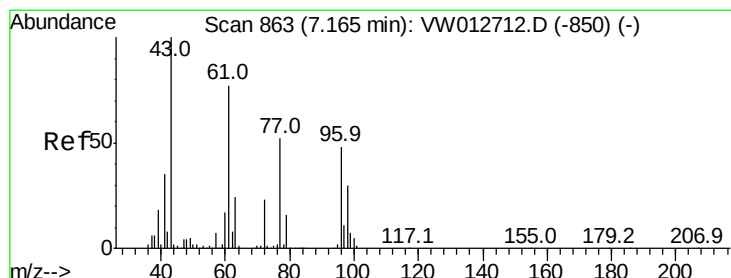
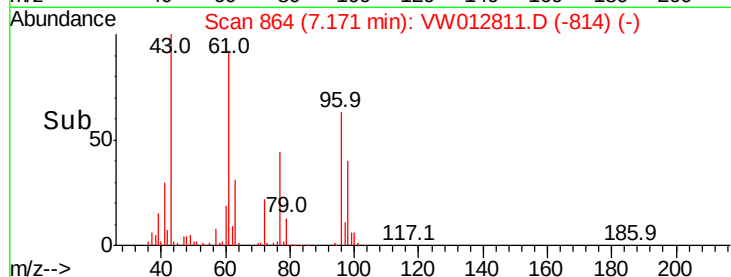
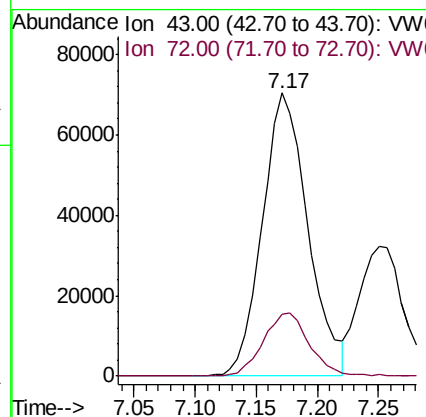
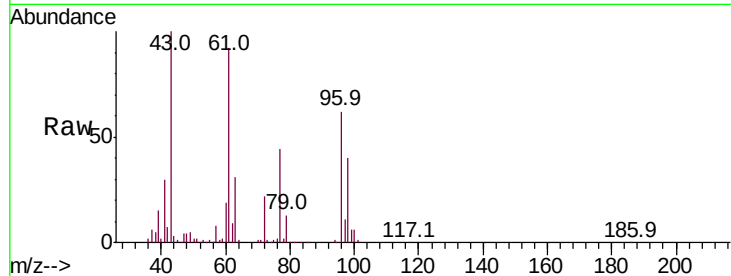
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 183020

Ion Ratio Lower Upper

43 100

72 22.0 18.0 27.0



#26

2,2-Dichloropropane

Concen: 40.369 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW012811.D

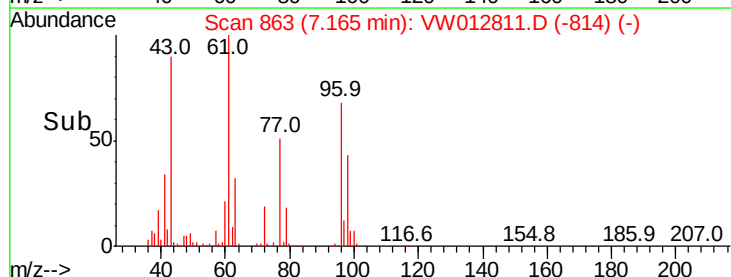
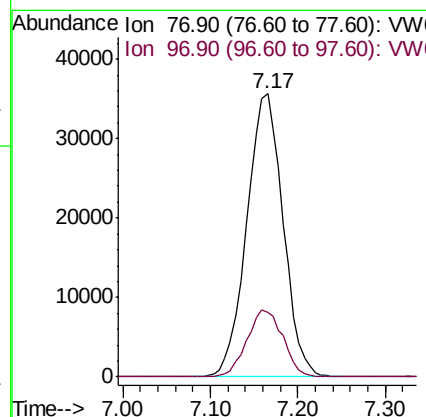
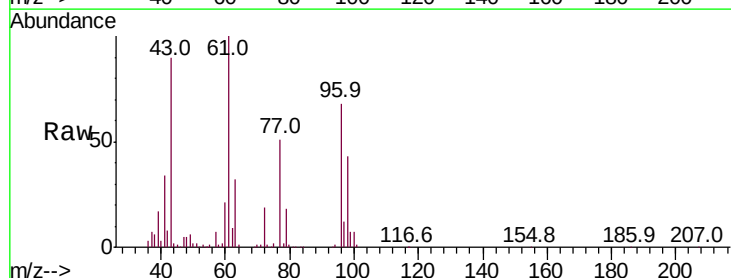
Acq: 09 Sep 2019 09:50

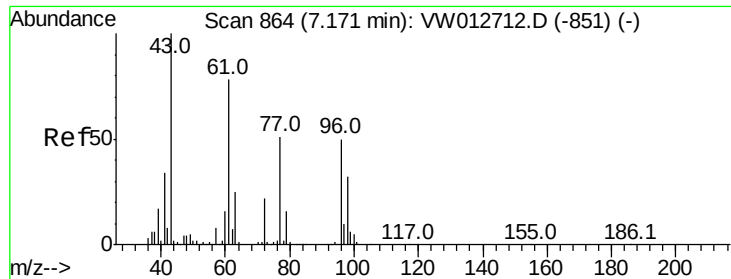
Tgt Ion: 77 Resp: 102910

Ion Ratio Lower Upper

77 100

97 23.6 10.7 32.1



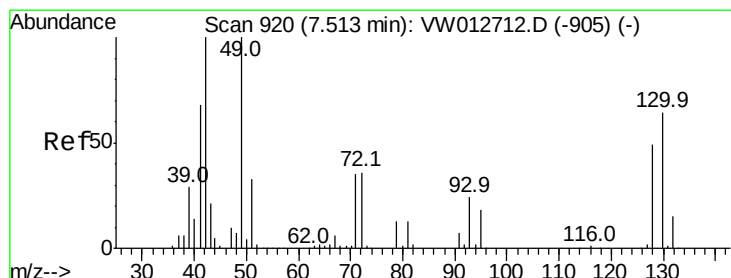
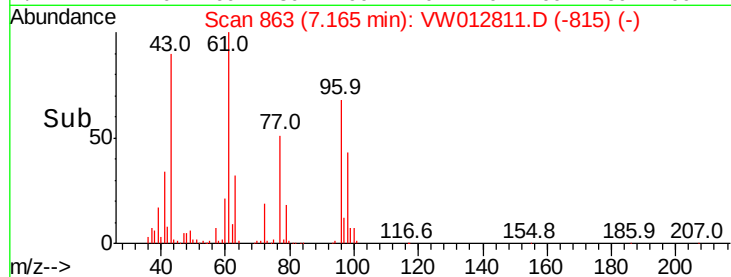
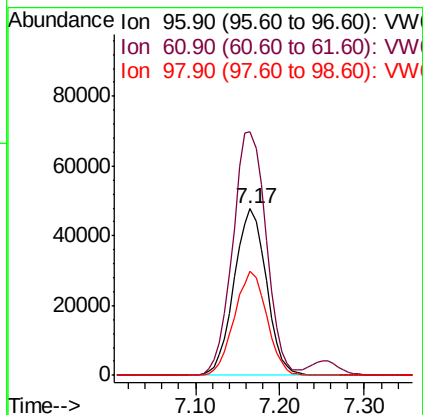
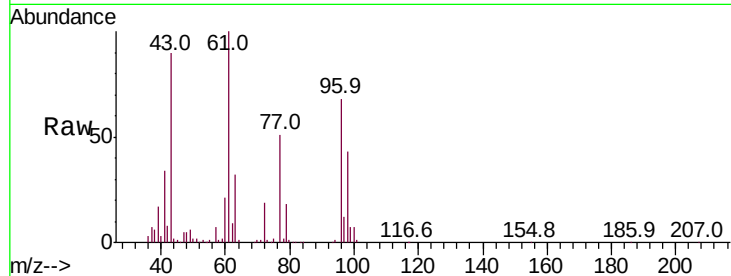


#27

cis-1,2-Dichloroethene
 Concen: 57.245 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012811.D
 Acq: 09 Sep 2019 09:50

Instrument :
 MSVOA_W
 ClientSampled :

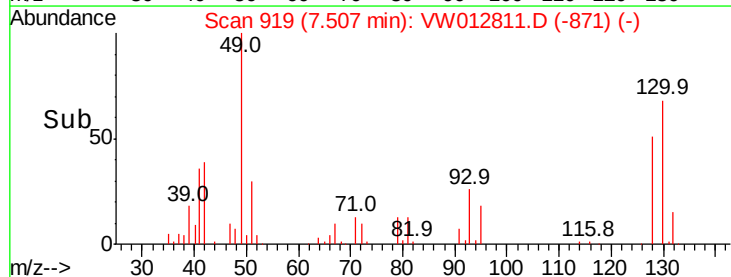
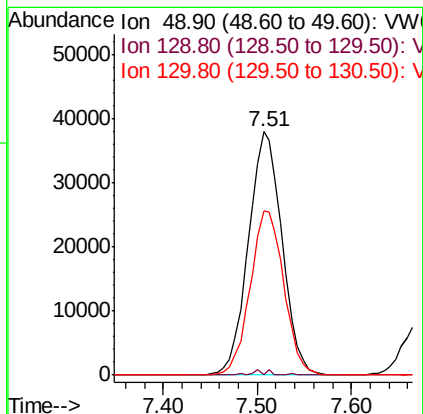
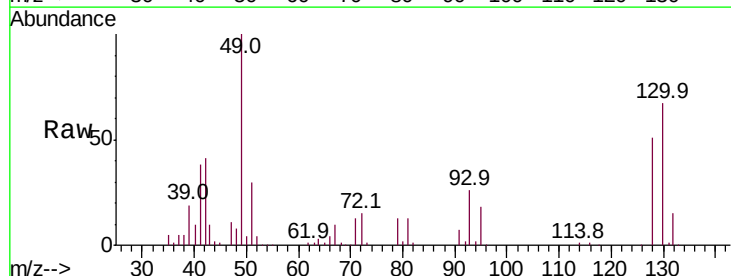
Tot Ion	Ratio	Lower	Upper
96	100		
61	152.4	0.0	325.8
98	62.8	0.0	127.0

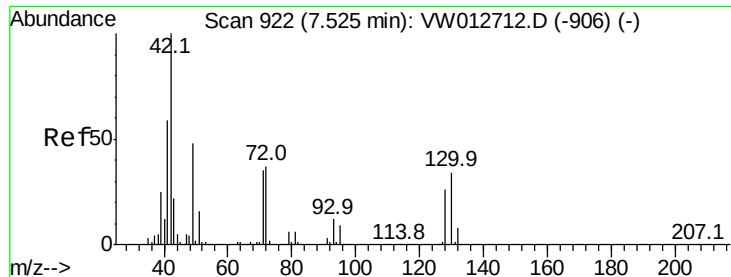


#28

Bromochloromethane
 Concen: 51.339 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW012811.D
 Acq: 09 Sep 2019 09:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	0.8#
130	67.5	49.8	74.8

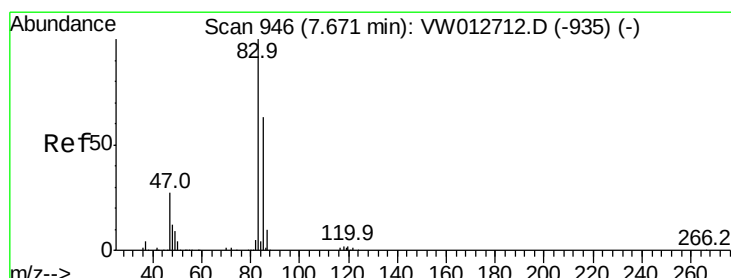
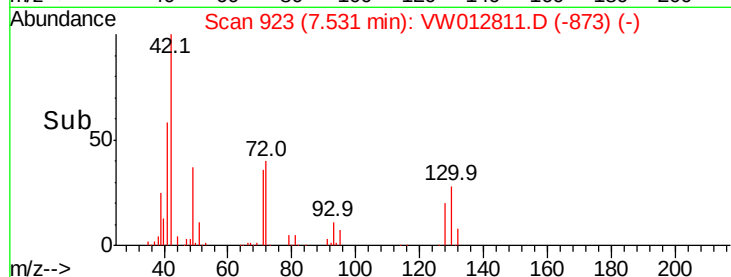
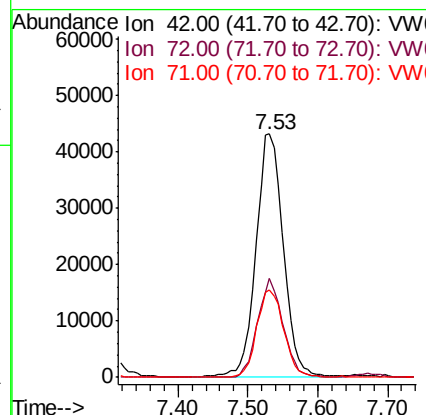
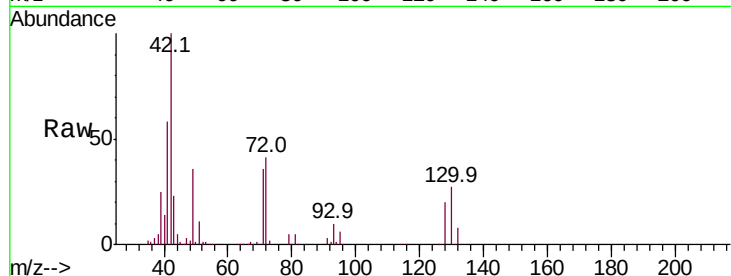




#29
Tetrahydrofuran
Concen: 216.789 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW012811.D
Acq: 09 Sep 2019 09:50

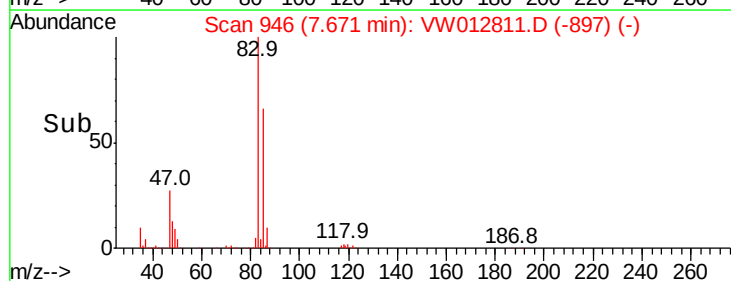
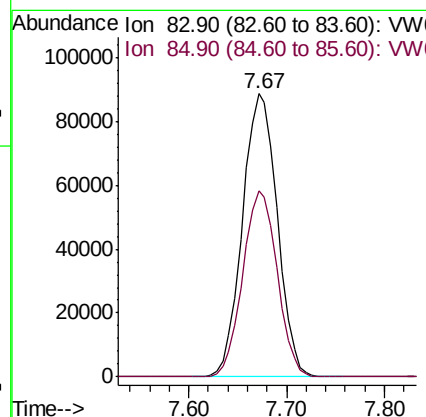
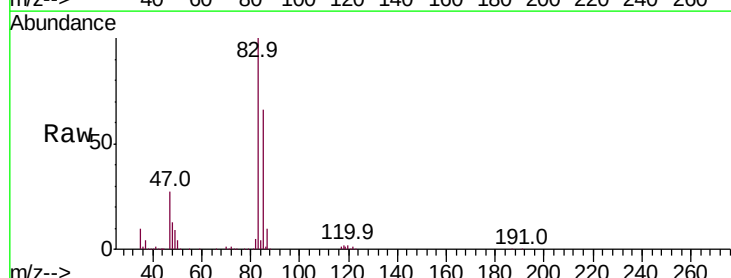
Instrument :
MSVOA_W
ClientSampled :

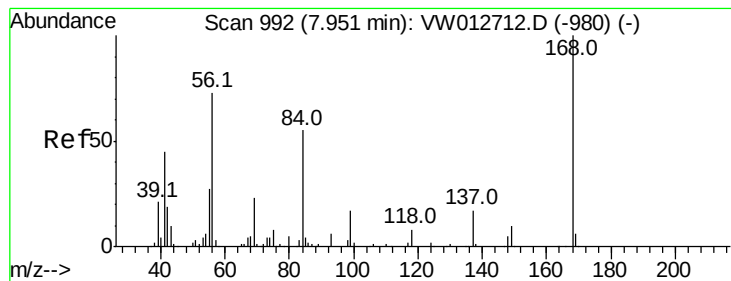
Tot Ion	Ratio	Lower	Upper
42	100		
72	37.6	28.4	42.6
71	35.2	27.1	40.7



#30
Chloroform
Concen: 54.711 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW012811.D
Acq: 09 Sep 2019 09:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	50.6	76.0





#31

Cyclohexane

Concen: 42.155 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW012811.D

Acq: 09 Sep 2019 09:50

Instrument :

MSVOA_W

ClientSampled :

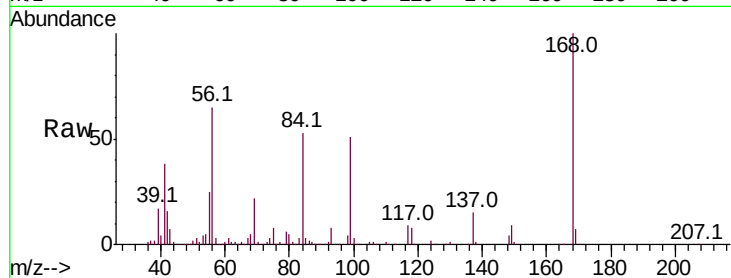
Tot Ion: 56 Resp: 153177

Ion Ratio Lower Upper

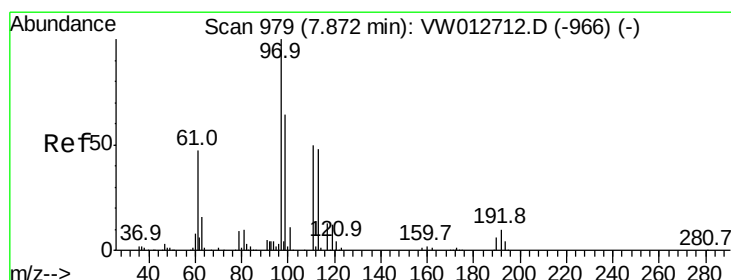
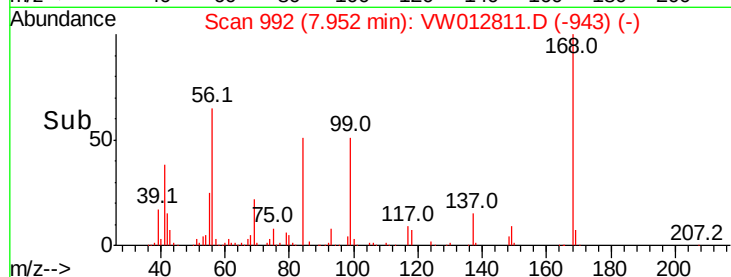
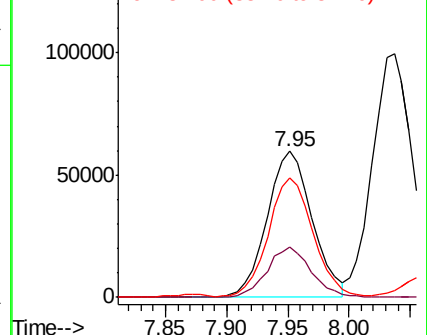
56 100

69 34.5 25.7 38.5

84 80.3 60.4 90.6



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



#32

1,1,1-Trichloroethane

Concen: 51.148 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW012811.D

Acq: 09 Sep 2019 09:50

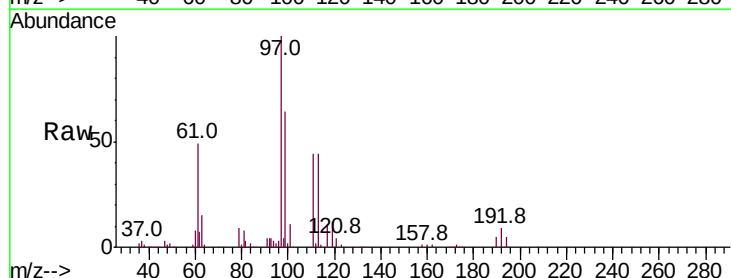
Tgt Ion: 97 Resp: 165845

Ion Ratio Lower Upper

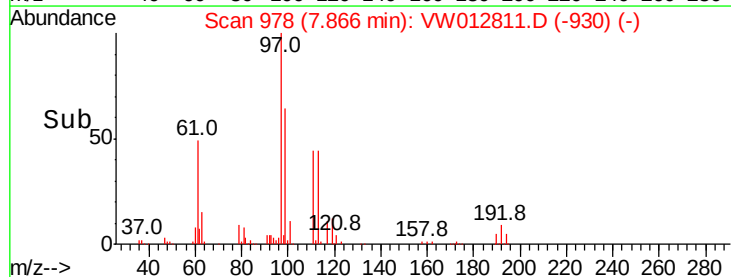
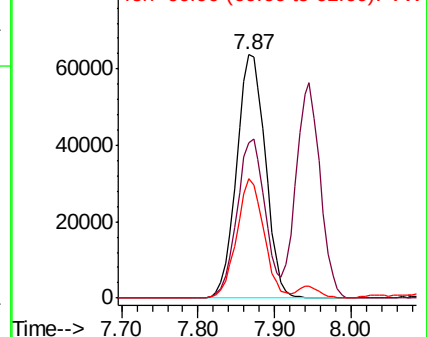
97 100

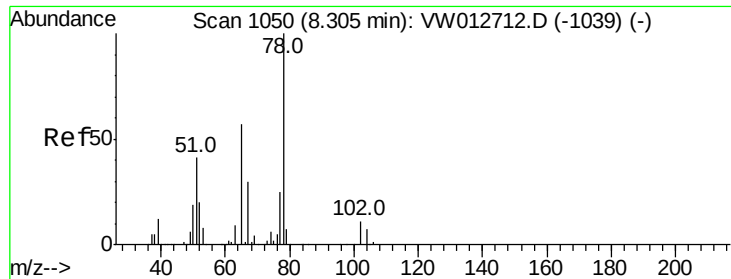
99 64.3 51.5 77.3

61 46.3 37.9 56.9



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

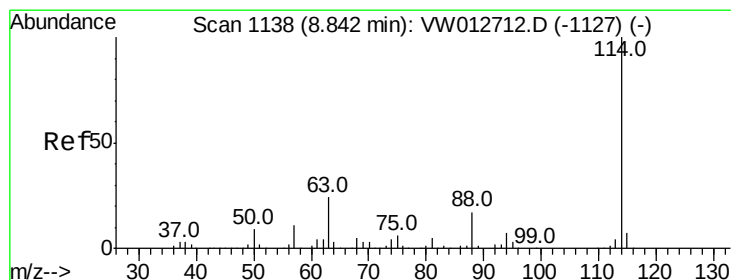
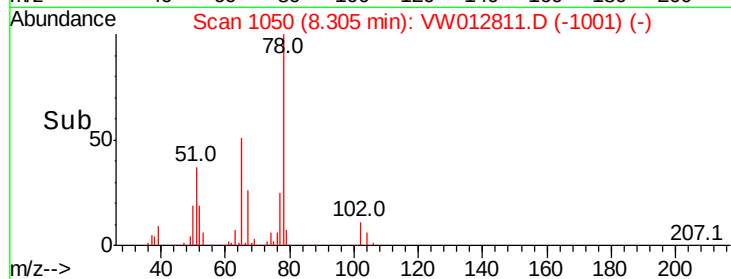
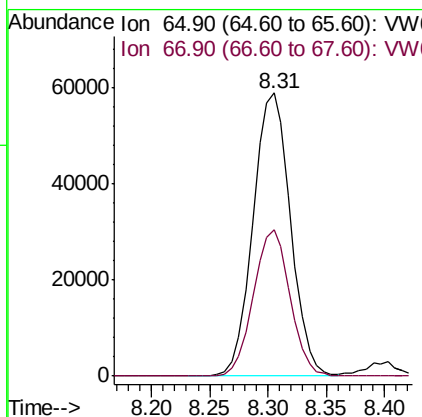
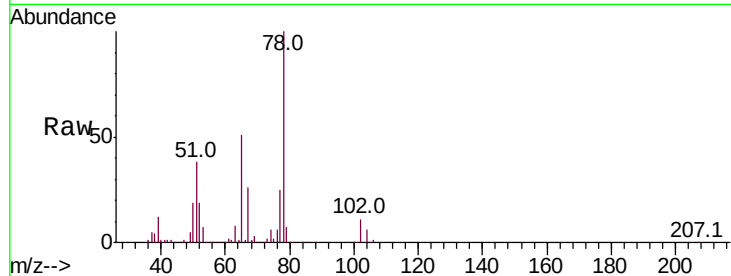




#33
 1,2-Dichloroethane-d4
 Concen: 53.255 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012811.D
 Acq: 09 Sep 2019 09:50

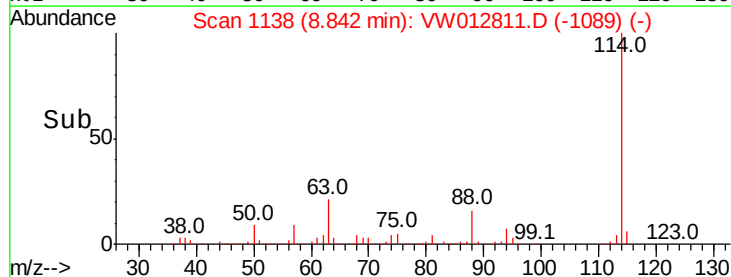
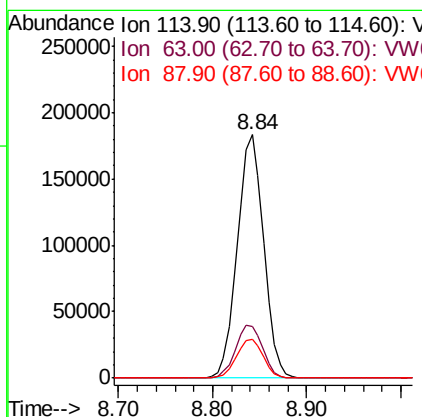
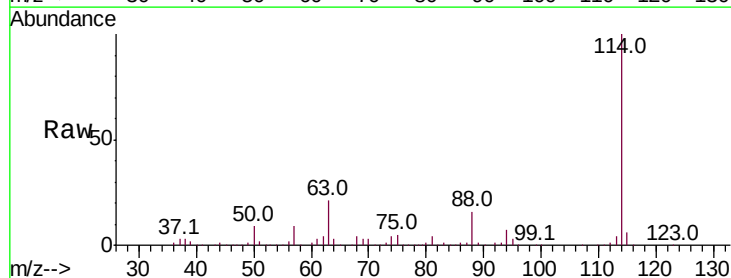
Instrument :
 MSVOA_W
 ClientSampleId :

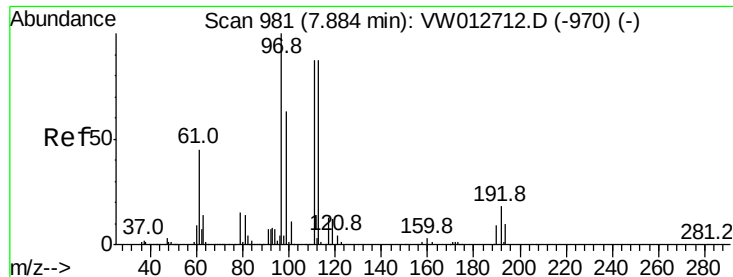
Tot Ion: 65 Resp: 131644
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012811.D
 Acq: 09 Sep 2019 09:50

Tgt Ion: 114 Resp: 356580
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 47.2
 88 15.9 0.0 34.0





#35

Dibromofluoromethane

Concen: 51.664 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012811.D

Acq: 09 Sep 2019 09:50

Instrument :
MSVOA_W
ClientSampled :

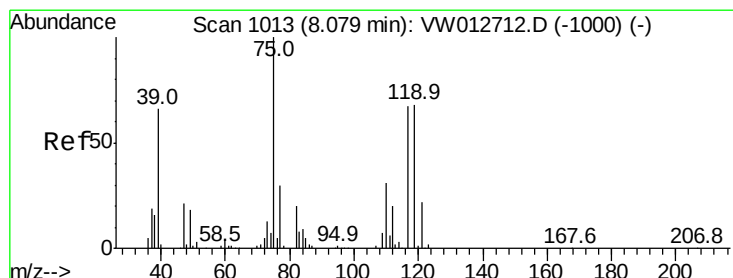
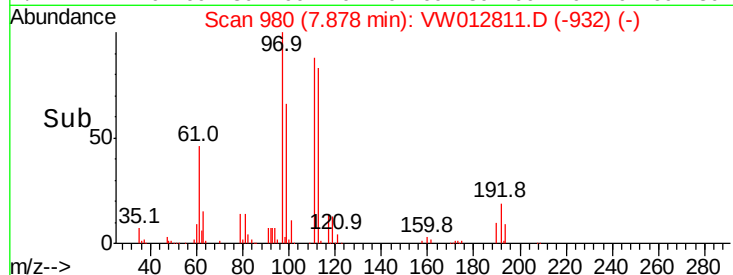
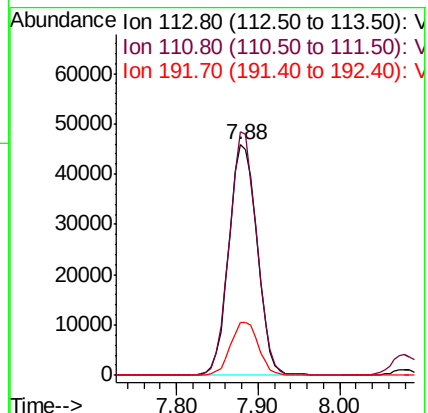
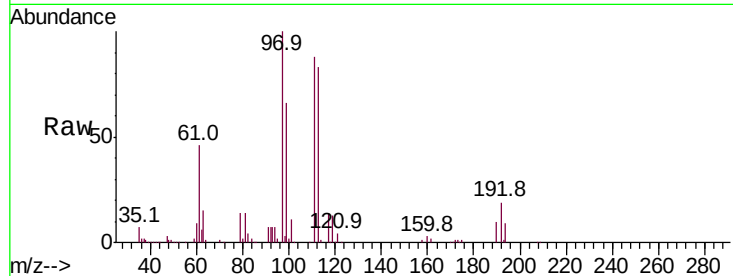
Tot Ion:113 Resp: 109526

Ion Ratio Lower Upper

113 100

111 101.8 80.2 120.4

192 22.7 17.3 25.9



#36

1,1-Dichloropropene

Concen: 46.056 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW012811.D

Acq: 09 Sep 2019 09:50

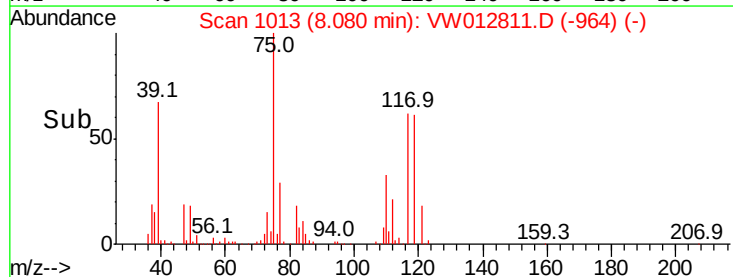
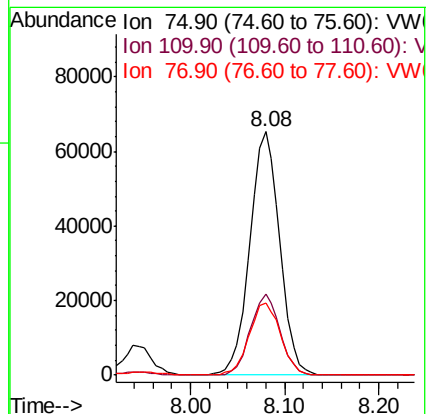
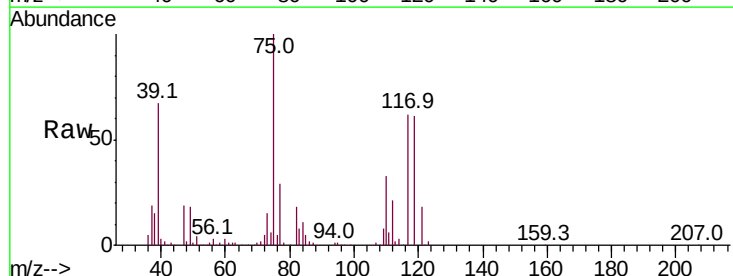
Tgt Ion: 75 Resp: 145921

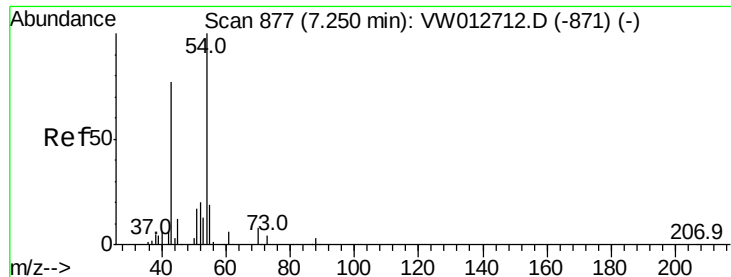
Ion Ratio Lower Upper

75 100

110 32.8 15.9 47.7

77 31.2 25.0 37.4

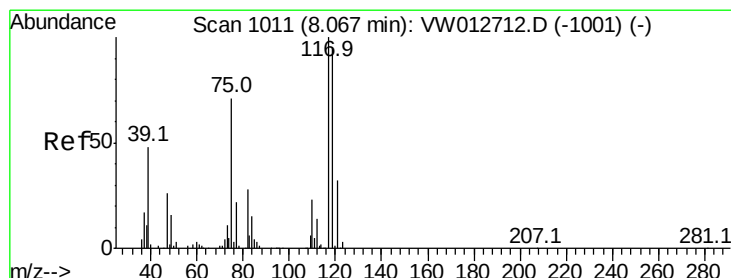
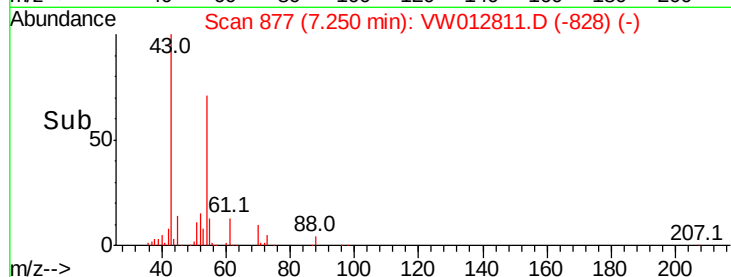
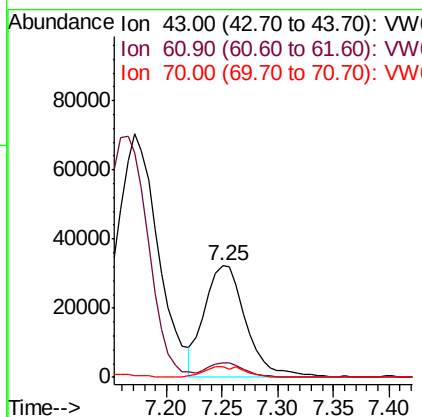
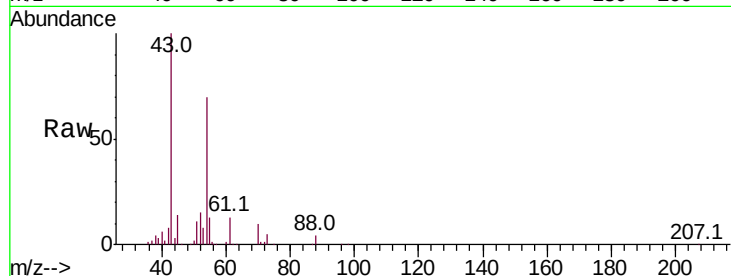




#37
Ethyl Acetate
Concen: 40.807 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW012811.D
Acq: 09 Sep 2019 09:50

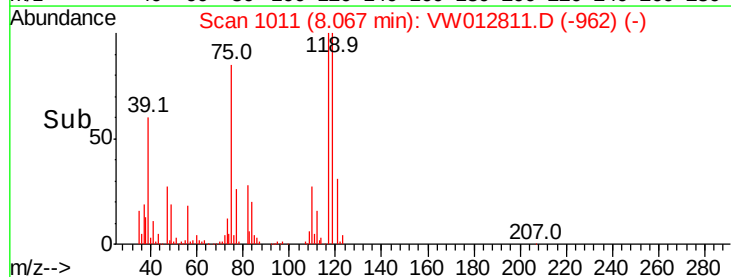
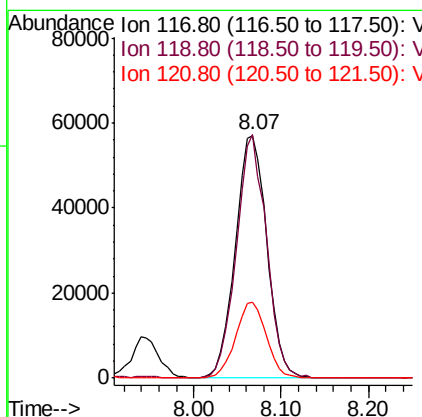
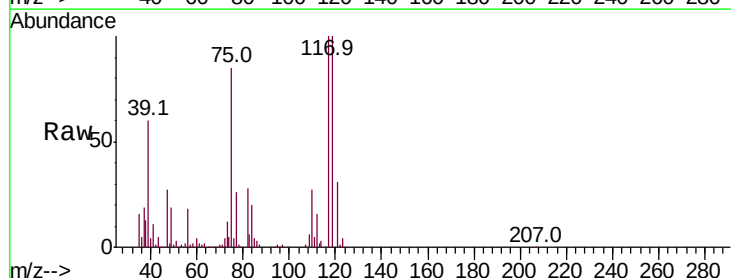
Instrument :
MSVOA_W
ClientSampleId :

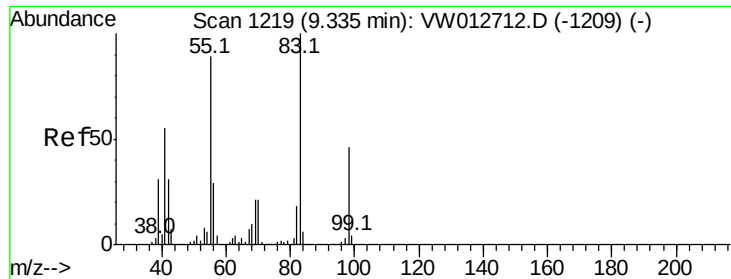
Tot Ion: 43 Resp: 82419
Ion Ratio Lower Upper
43 100
61 12.5 9.5 14.3
70 9.7 7.0 10.6



#38
Carbon Tetrachloride
Concen: 45.725 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW012811.D
Acq: 09 Sep 2019 09:50

Tgt Ion: 117 Resp: 142807
Ion Ratio Lower Upper
117 100
119 100.3 76.2 114.2
121 31.5 25.4 38.2

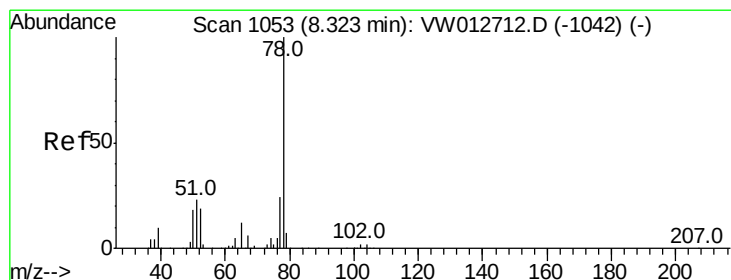
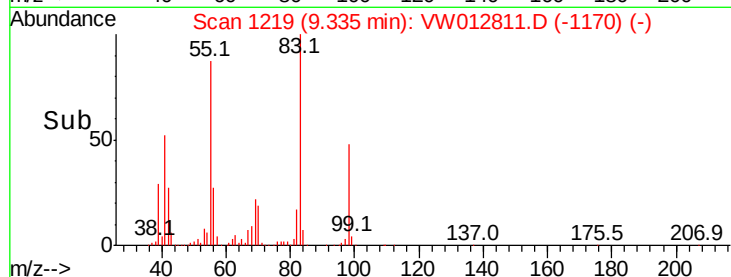
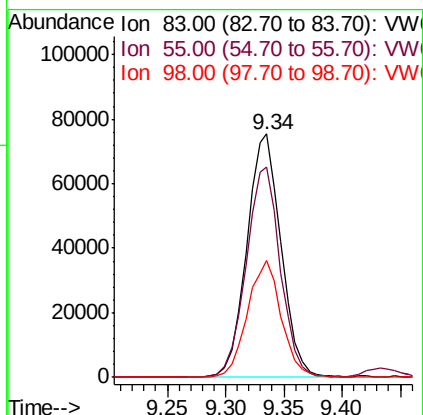
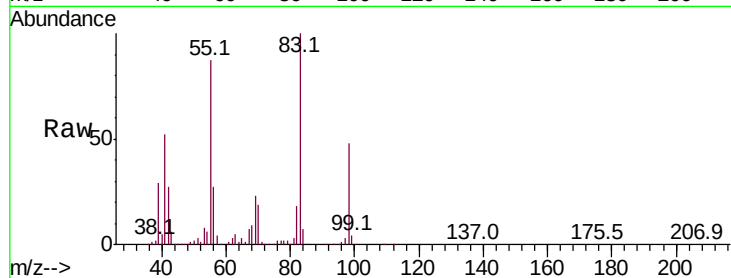




#39
Methylvlcyclohexane
Concen: 43.346 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW012811.D
Acq: 09 Sep 2019 09:50

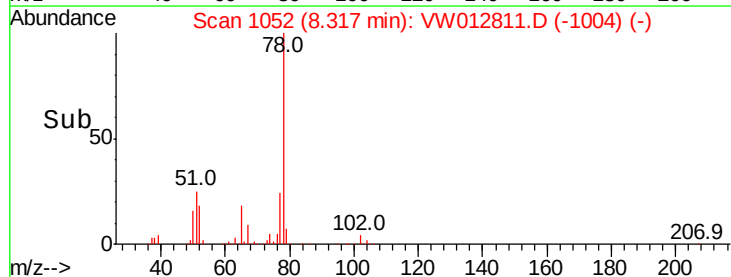
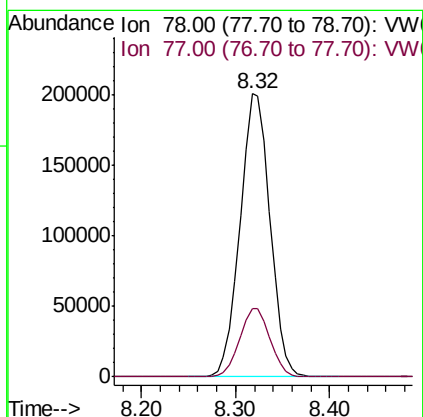
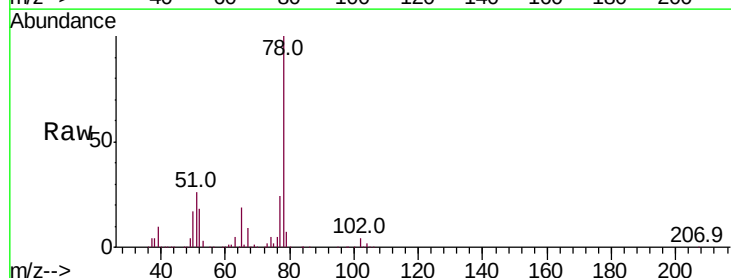
Instrument :
MSVOA_W
ClientSampleId :

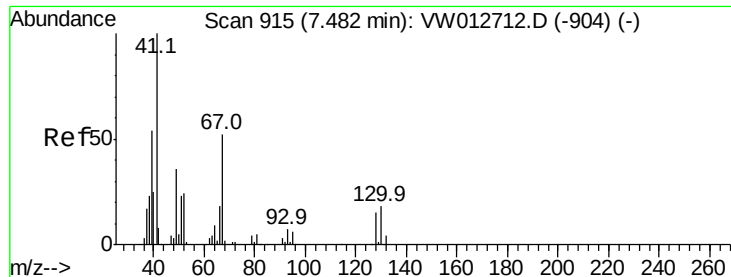
Tot Ion: 83 Resp: 154244
Ion Ratio Lower Upper
83 100
55 86.4 71.0 106.4
98 47.9 36.9 55.3



#40
Benzene
Concen: 50.498 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW012811.D
Acq: 09 Sep 2019 09:50

Tgt Ion: 78 Resp: 443900
Ion Ratio Lower Upper
78 100
77 24.2 19.3 28.9

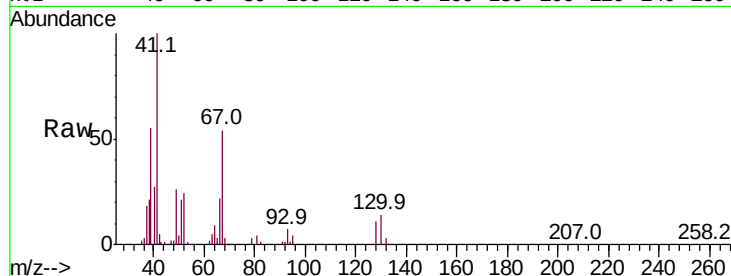




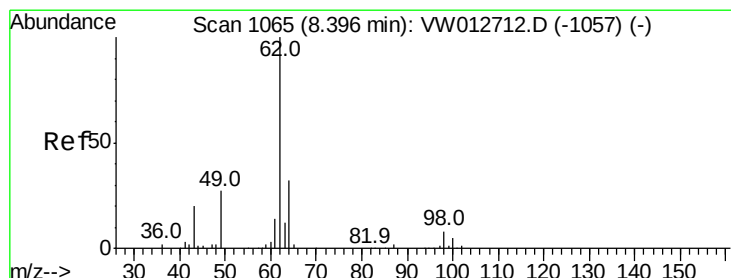
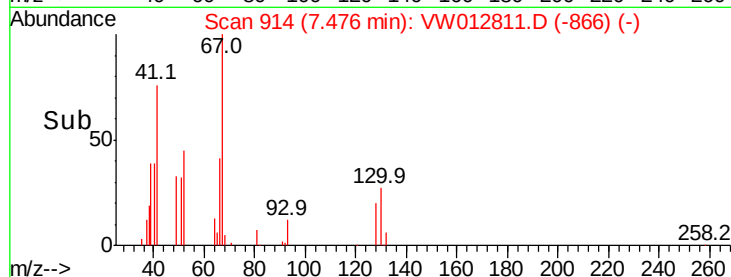
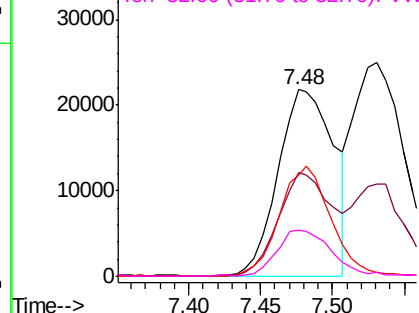
#41
Methacrylonitrile
Concen: 43.353 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW012811.D
Acq: 09 Sep 2019 09:50

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	41	Resp:	58763
Ion	Ratio	Lower	Upper
41	100		
39	53.7	47.5	71.3
67	54.8	45.1	67.7
52	24.6	20.2	30.2

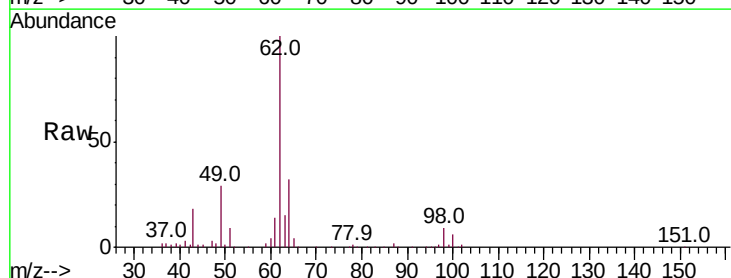


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

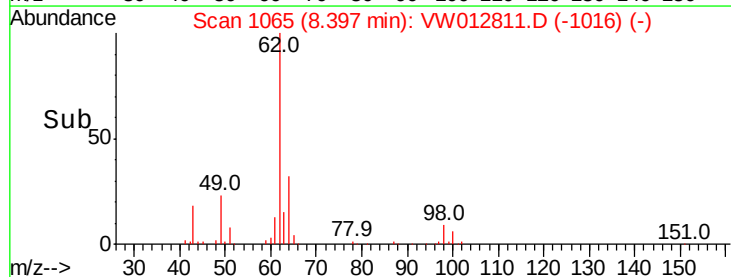
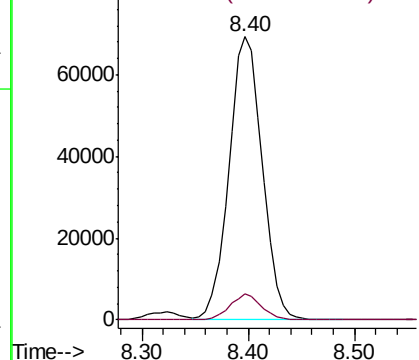


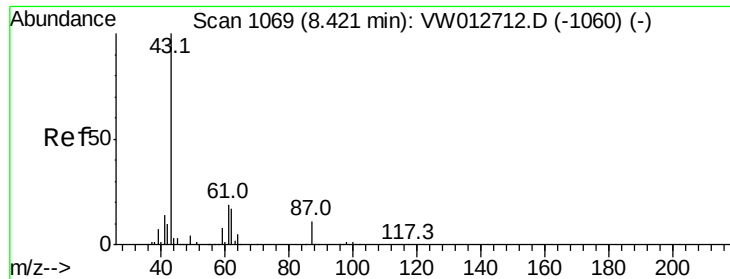
#42
1,2-Dichloroethane
Concen: 48.871 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW012811.D
Acq: 09 Sep 2019 09:50

Tgt Ion:	62	Resp:	151194
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.2



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 43.561 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW012811.D

Acq: 09 Sep 2019 09:50

Instrument :

MSVOA_W

ClientSampled :

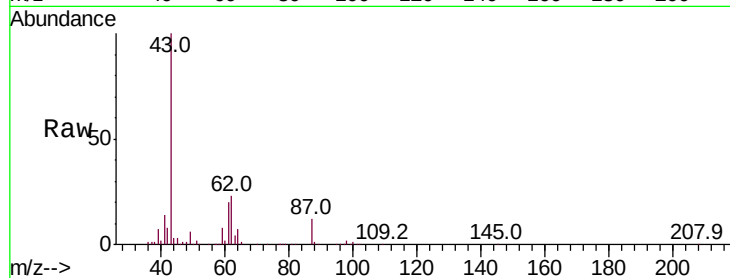
Tot Ion: 43 Resp: 166685

Ion Ratio Lower Upper

43 100

61 28.0 20.6 30.8

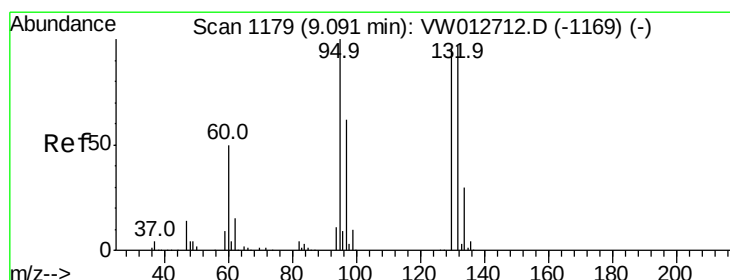
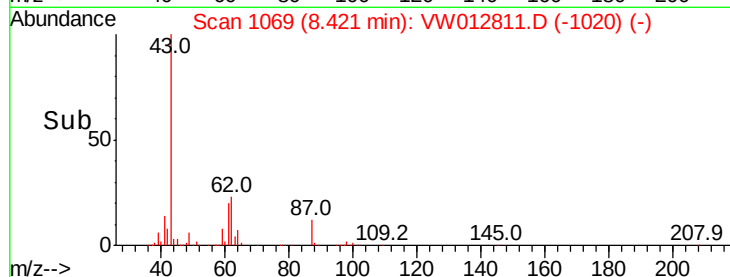
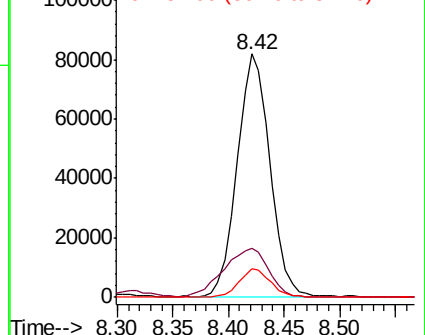
87 11.5 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 51.007 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW012811.D

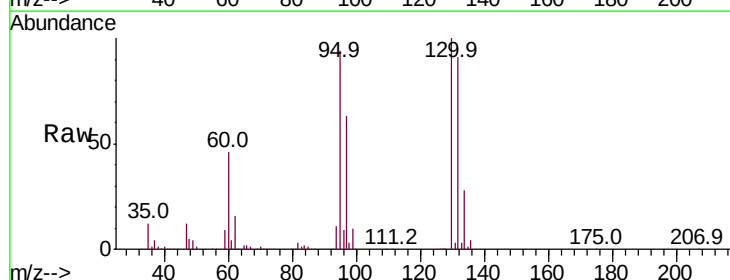
Acq: 09 Sep 2019 09:50

Tgt Ion:130 Resp: 115577

Ion Ratio Lower Upper

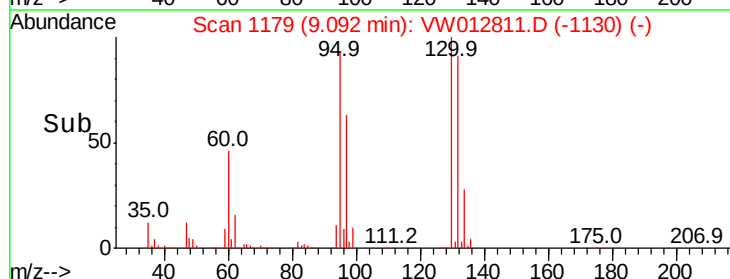
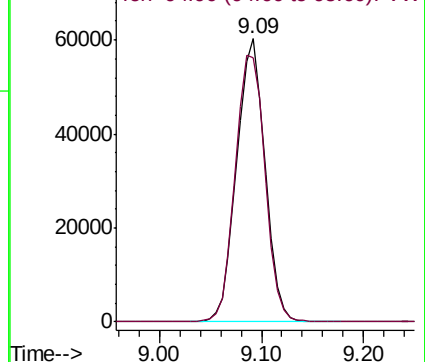
130 100

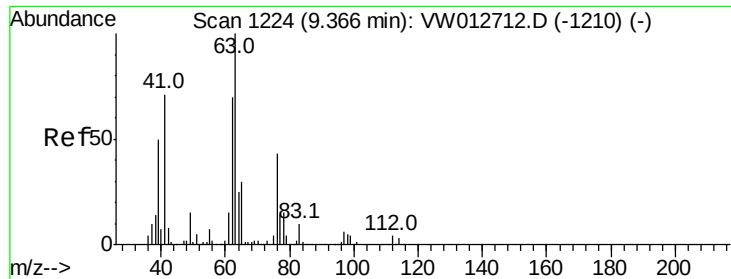
95 93.3 0.0 210.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

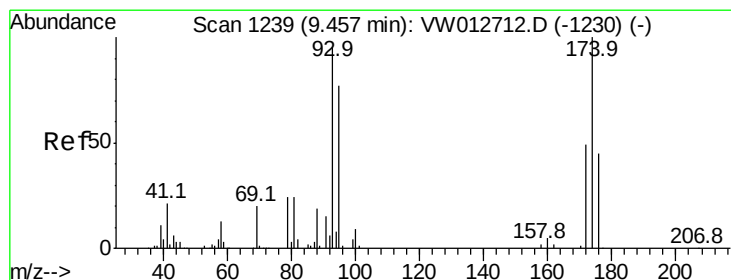
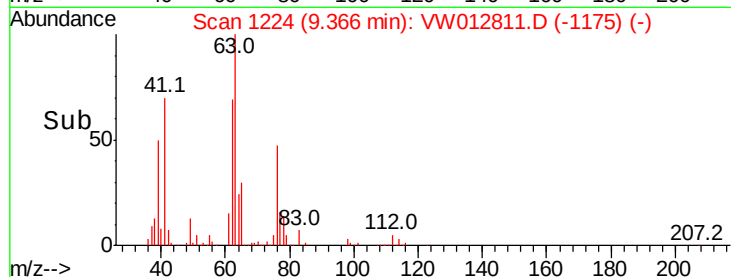
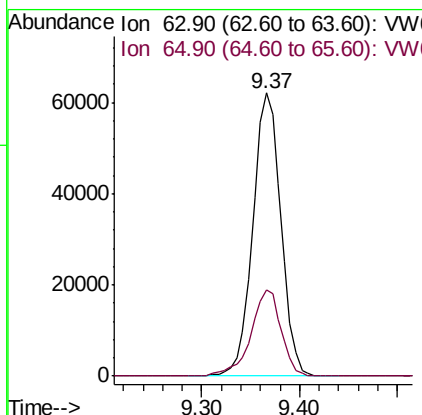
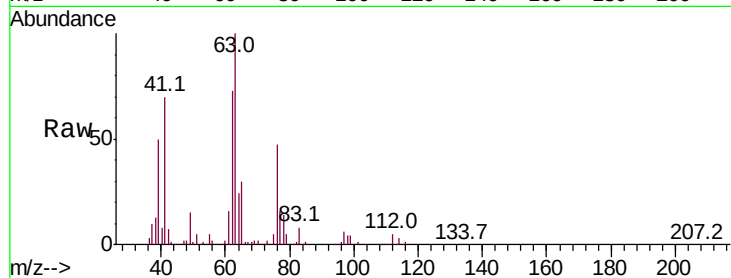




#45
 1,2-Dichloropropane
 Concen: 50.856 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW012811.D
 Acq: 09 Sep 2019 09:50

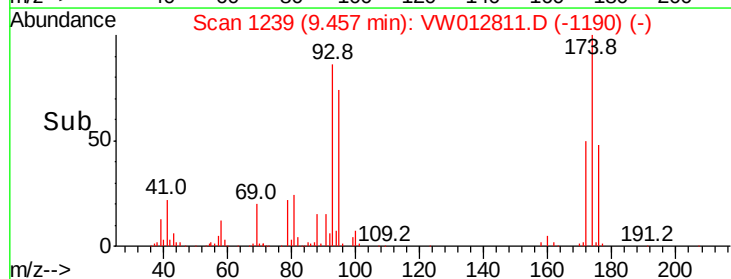
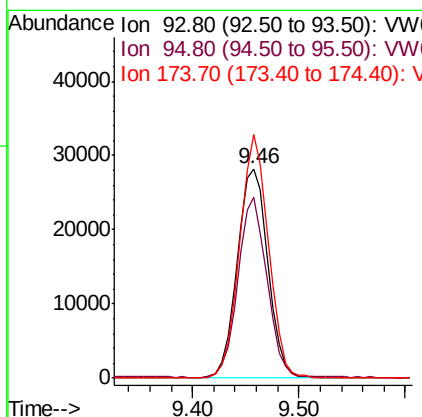
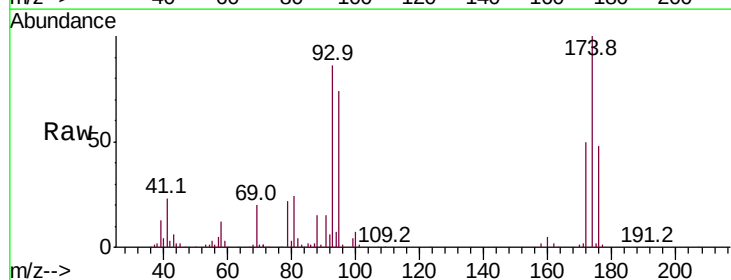
Instrument :
 MSVOA_W
 ClientSampleId :

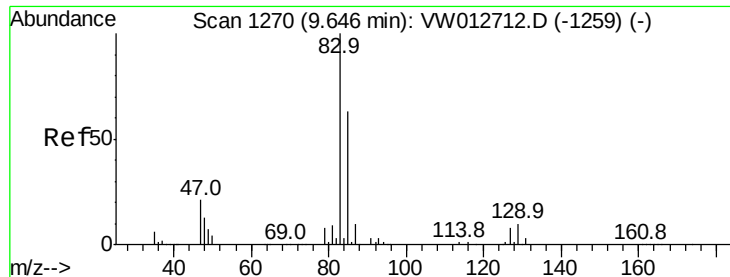
Tot Ion: 63 Resp: 123990
 Ion Ratio Lower Upper
 63 100
 65 30.5 23.8 35.8



#46
 Dibromomethane
 Concen: 49.476 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW012811.D
 Acq: 09 Sep 2019 09:50

Tgt Ion: 93 Resp: 57121
 Ion Ratio Lower Upper
 93 100
 95 81.1 65.2 97.8
 174 109.3 84.2 126.4





#47

Bromodichloromethane

Concen: 50.720 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012811.D

Acq: 09 Sep 2019 09:50

Instrument :

MSVOA_W

ClientSampleId :

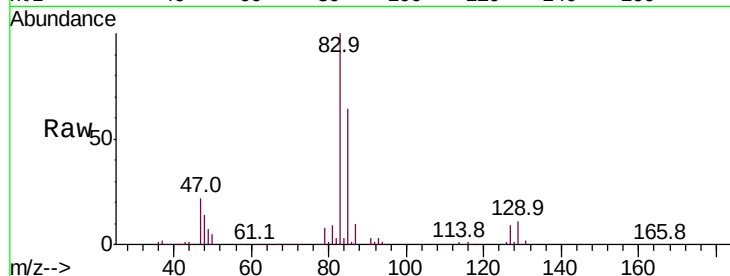
Tot Ion: 83 Resp: 161105

Ion Ratio Lower Upper

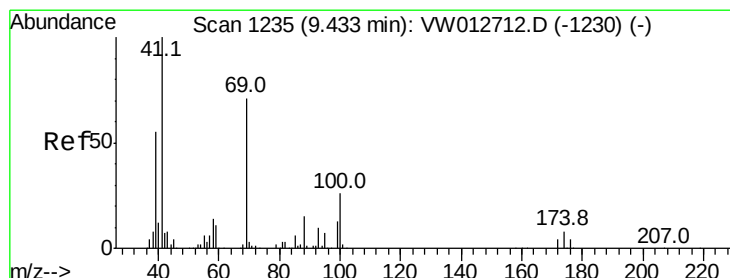
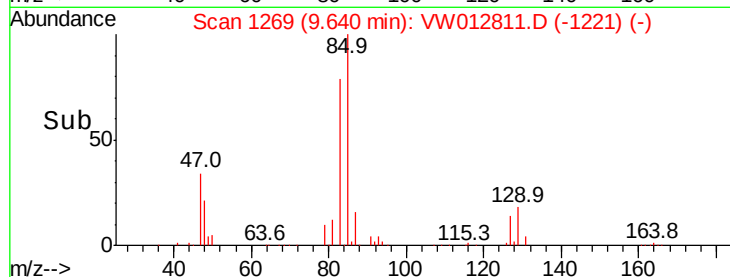
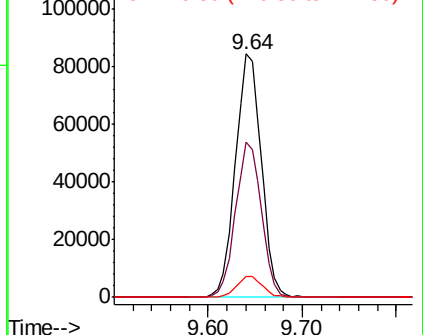
83 100

85 63.7 50.2 75.2

127 8.7 6.6 9.8



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: 46.927 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW012811.D

Acq: 09 Sep 2019 09:50

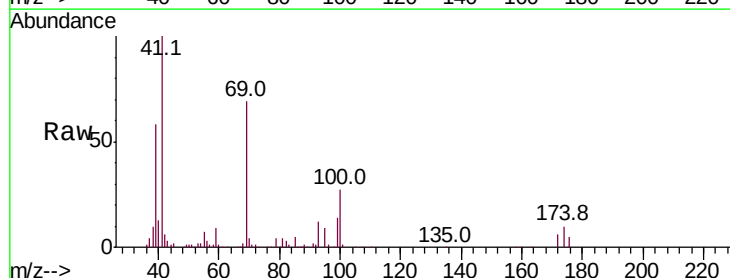
Tgt Ion: 41 Resp: 85812

Ion Ratio Lower Upper

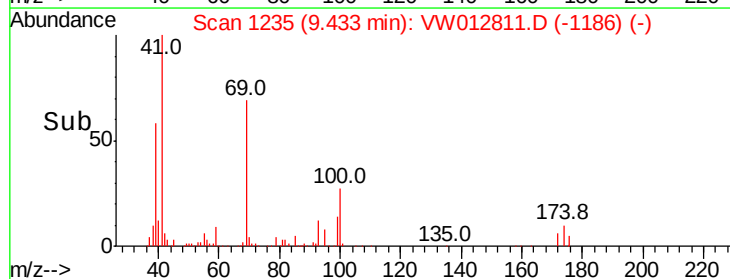
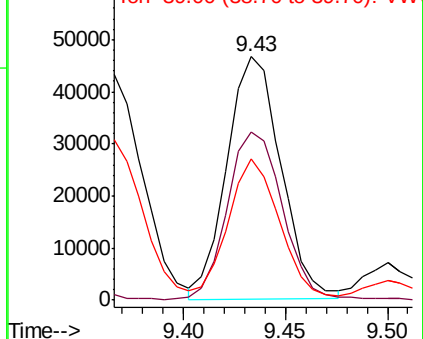
41 100

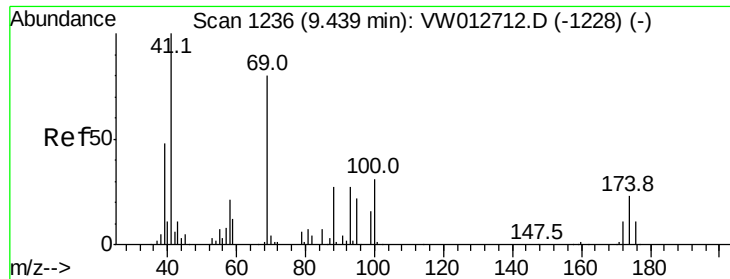
69 70.3 59.8 89.8

39 55.9 47.0 70.6



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

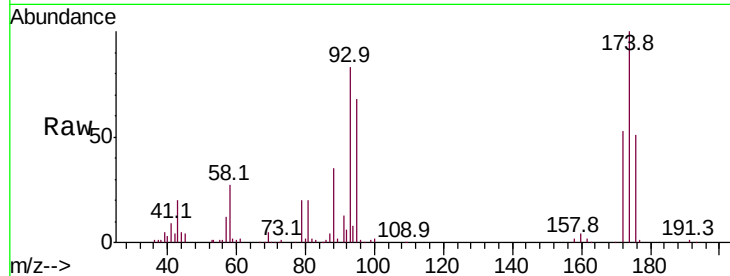




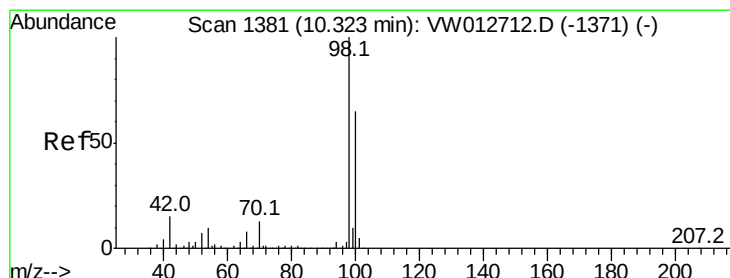
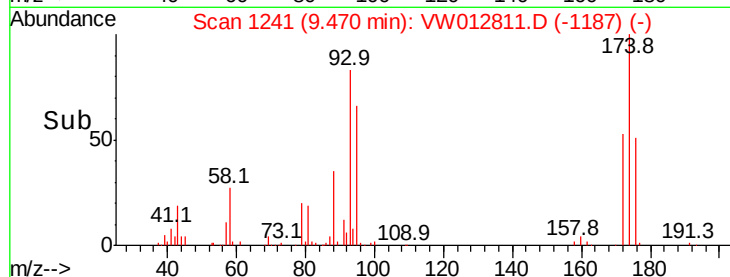
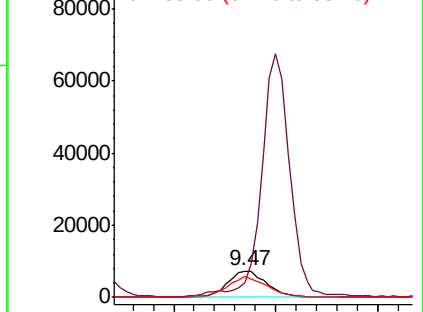
#49
1,4-Dioxane
Concen: 840.512 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.03 min
Lab File: VW012811.D
Acq: 09 Sep 2019 09:50

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 19168
Ion Ratio Lower Upper
88 100
43 0.0 34.8 52.2#
58 81.0 64.1 96.1

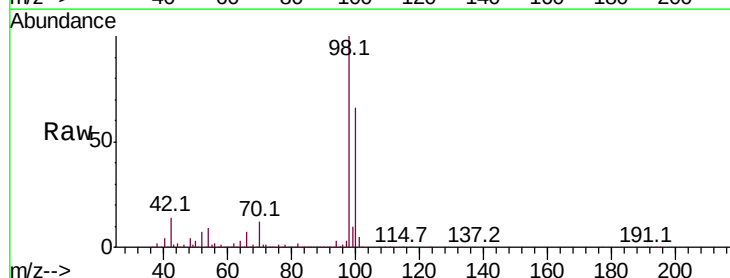


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

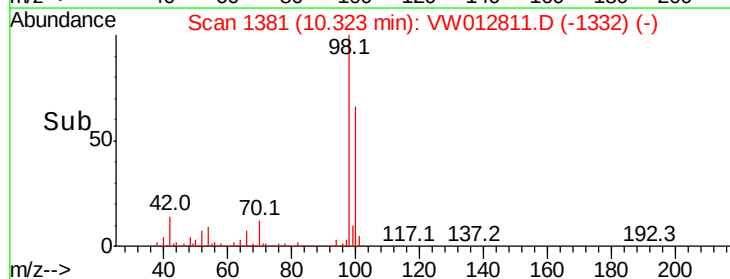
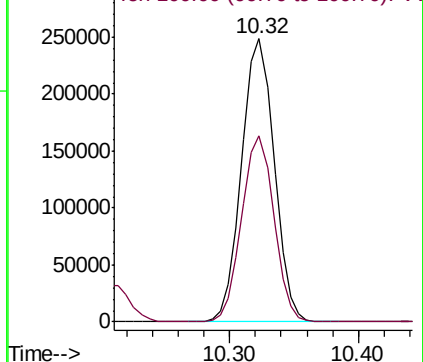


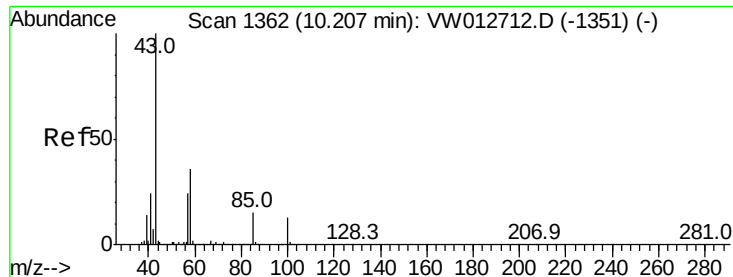
#50
Toluene-d8
Concen: 52.568 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012811.D
Acq: 09 Sep 2019 09:50

Tgt Ion: 98 Resp: 436603
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

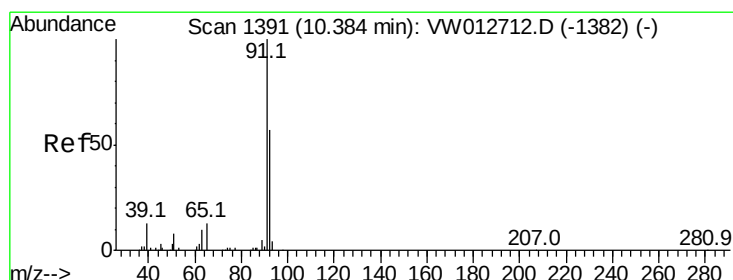
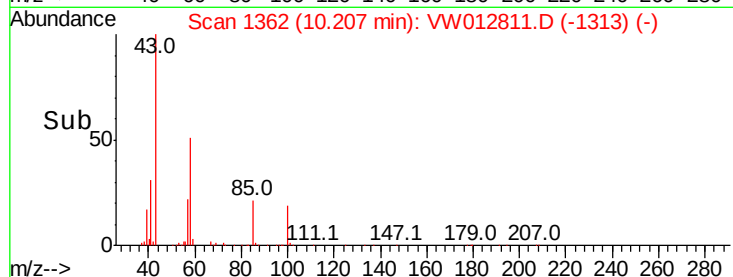
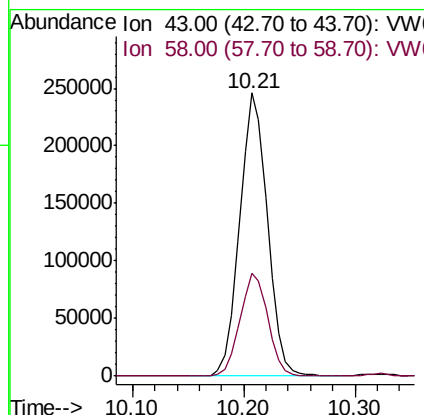
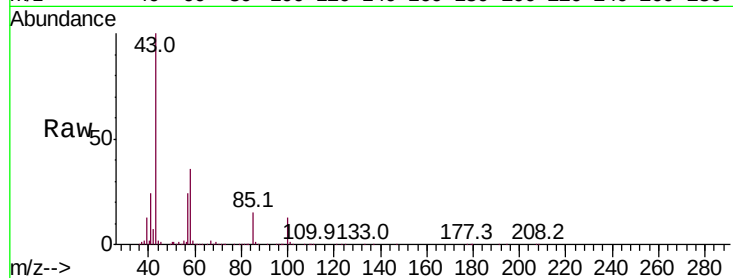




#51
 4-Methyl-2-Pentanone
 Concen: 210.477 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW012811.D
 Acq: 09 Sep 2019 09:50

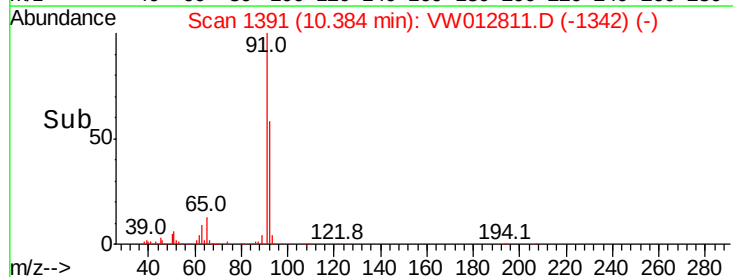
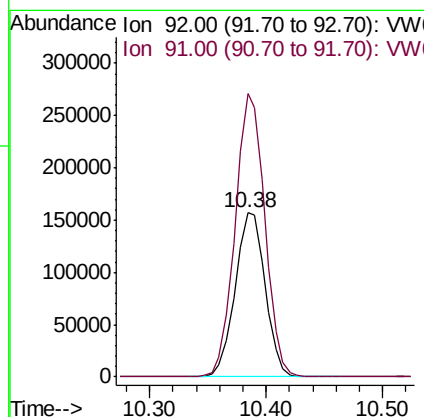
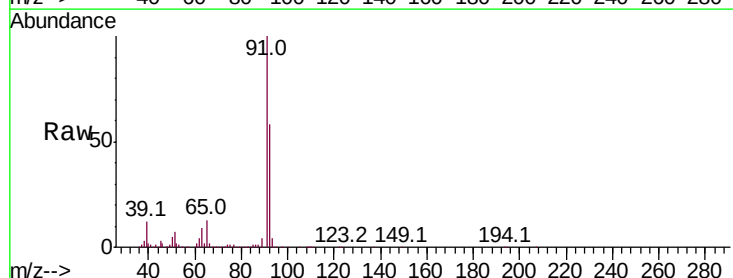
Instrument :
 MSVOA_W
 ClientSampled :

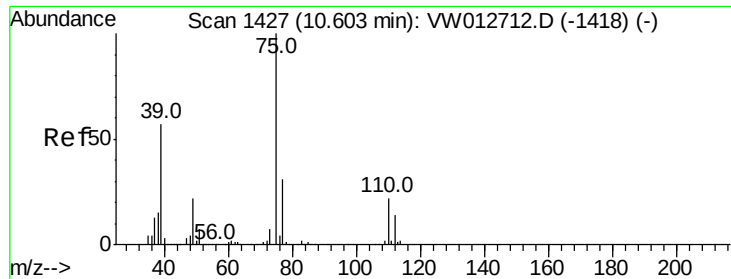
Tot Ion: 43 Resp: 422607
 Ion Ratio Lower Upper
 43 100
 58 36.5 28.4 42.6



#52
 Toluene
 Concen: 51.381 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW012811.D
 Acq: 09 Sep 2019 09:50

Tgt Ion: 92 Resp: 281902
 Ion Ratio Lower Upper
 92 100
 91 170.1 137.0 205.4





#53

t-1,3-Dichloropropene

Concen: 47.939 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW012811.D

Acq: 09 Sep 2019 09:50

Instrument :

MSVOA_W

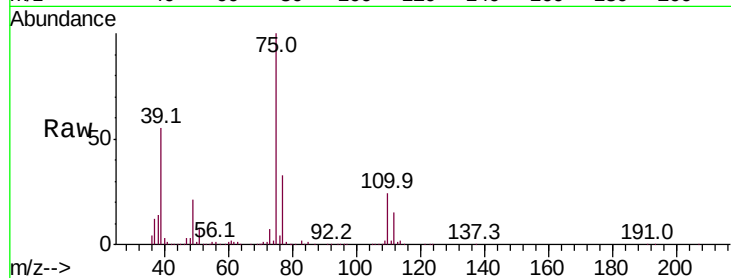
ClientSampleId :

Tot Ion: 75 Resp: 156575

Ion Ratio Lower Upper

75 100

77 32.9 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

80000

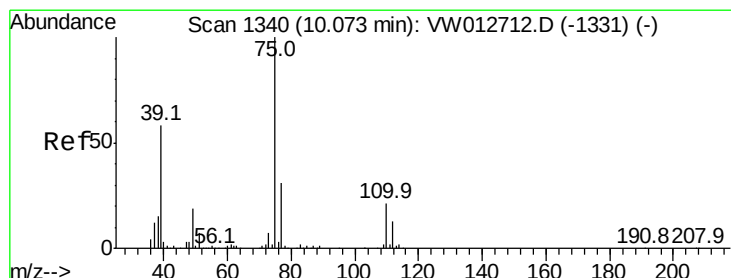
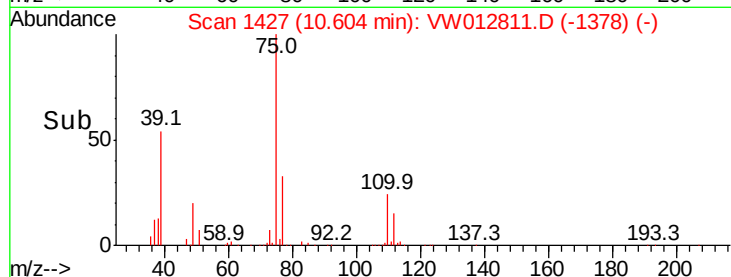
60000

40000

20000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 49.481 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW012811.D

Acq: 09 Sep 2019 09:50

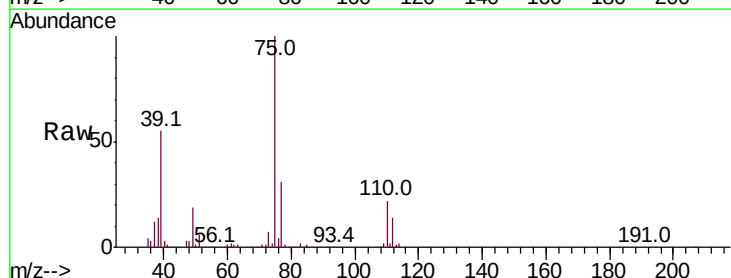
Tgt Ion: 75 Resp: 183336

Ion Ratio Lower Upper

75 100

77 30.9 24.6 36.8

39 54.5 46.3 69.5



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

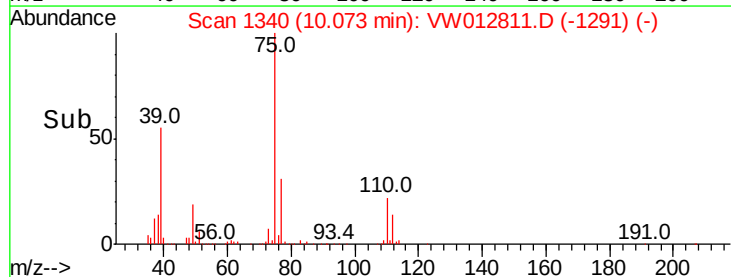
10.07

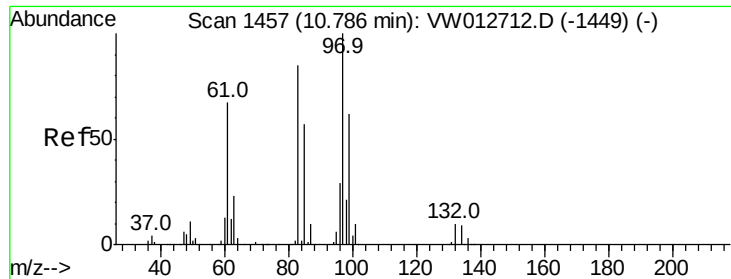
100000

50000

0

Time--> 10.00 10.10 10.20

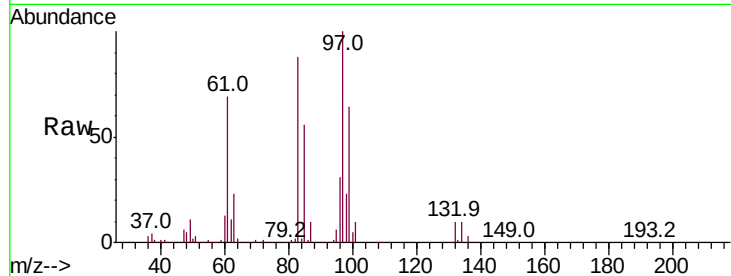




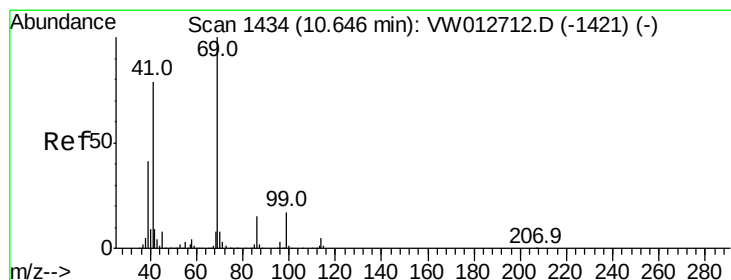
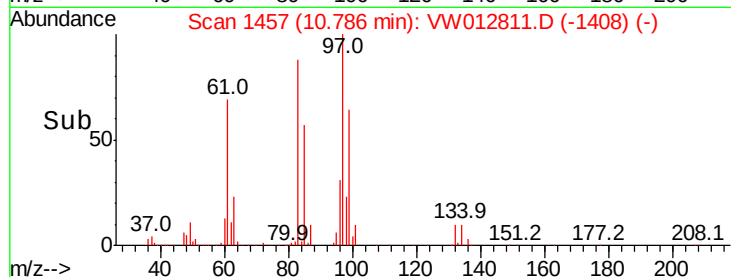
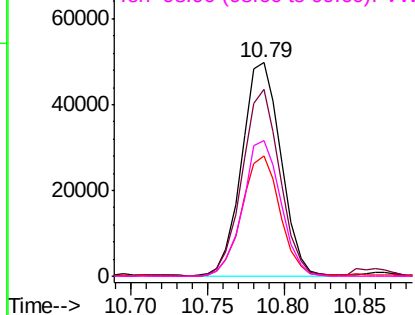
#55
 1,1,2-Trichloroethane
 Concen: 50.951 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW012811.D
 Acq: 09 Sep 2019 09:50

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 97 Resp: 88066
 Ion Ratio Lower Upper
 97 100
 83 87.7 68.1 102.1
 85 56.3 45.3 67.9
 99 63.7 50.0 75.0

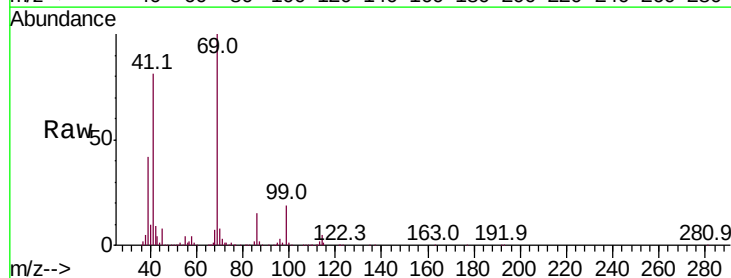


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

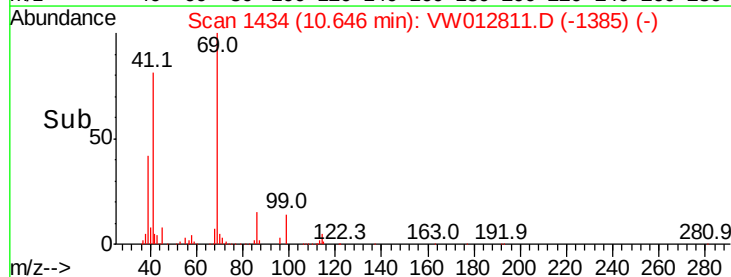
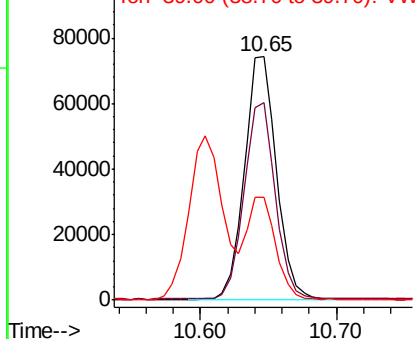


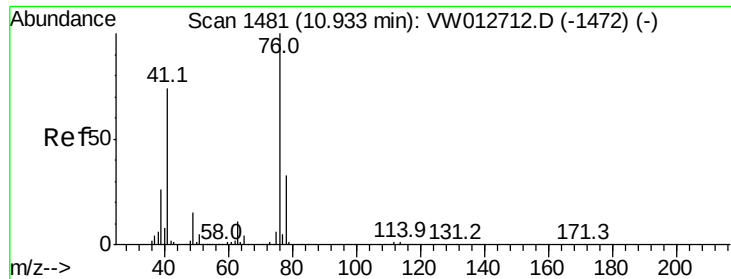
#56
 Ethyl methacrylate
 Concen: 48.218 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW012811.D
 Acq: 09 Sep 2019 09:50

Tgt Ion: 69 Resp: 121998
 Ion Ratio Lower Upper
 69 100
 41 78.9 64.4 96.6
 39 37.6 31.1 46.7



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

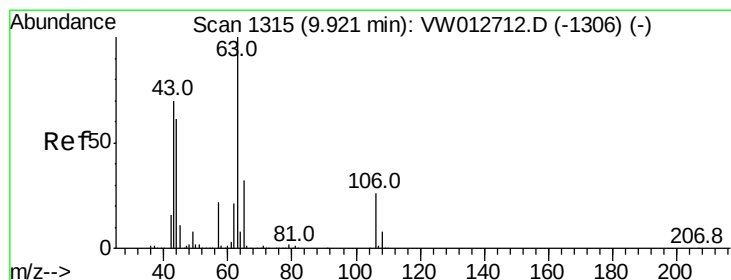
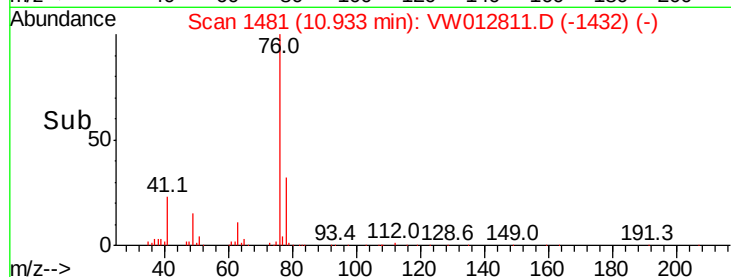
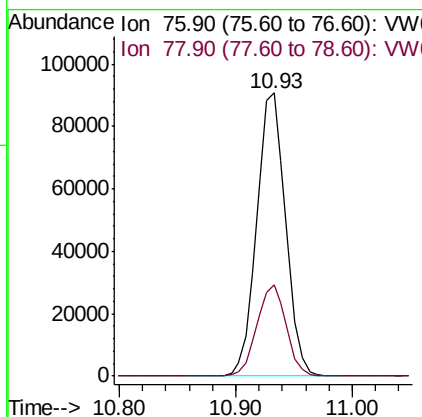
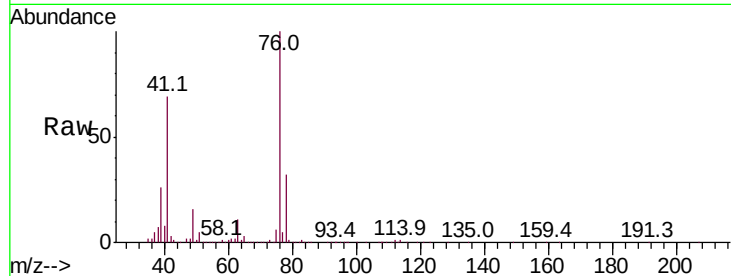




#57
 1,3-Dichloropropane
 Concen: 49.156 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW012811.D
 Acq: 09 Sep 2019 09:50

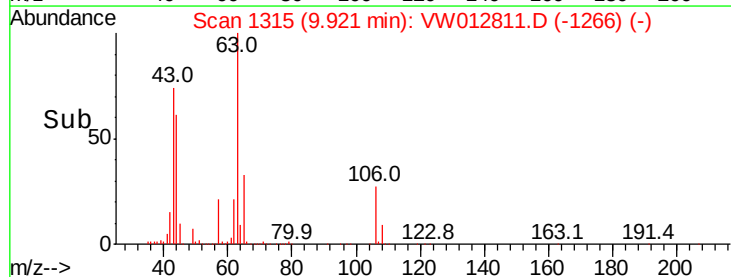
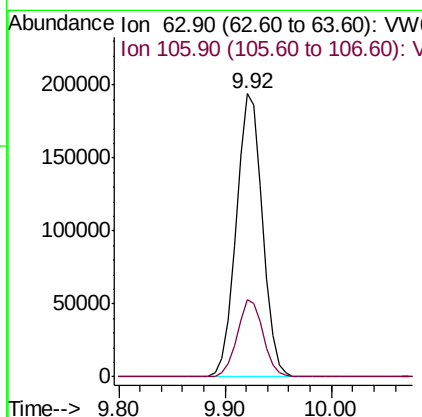
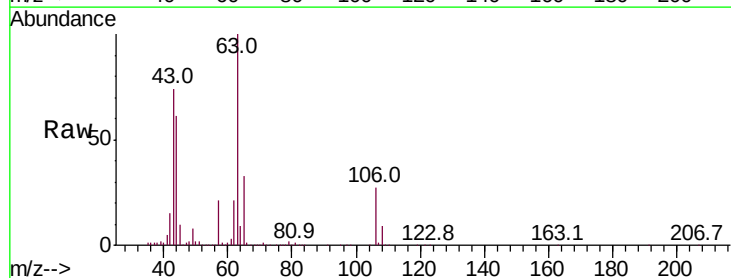
Instrument :
 MSVOA_W
 ClientSampled :

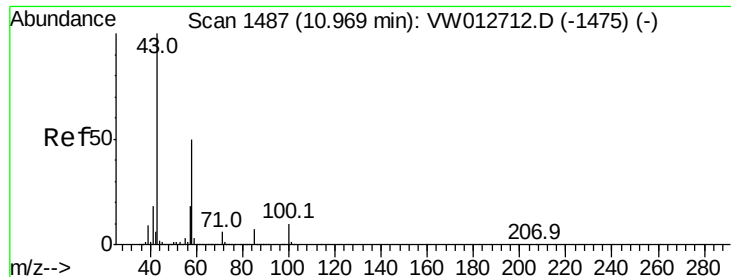
Tot Ion: 76 Resp: 157181
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 249.792 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW012811.D
 Acq: 09 Sep 2019 09:50

Tgt Ion: 63 Resp: 335519
 Ion Ratio Lower Upper
 63 100
 106 26.9 20.5 30.7

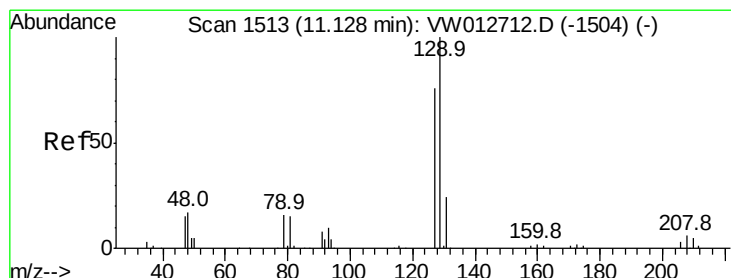
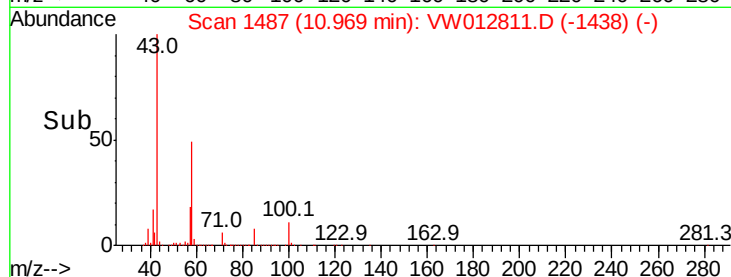
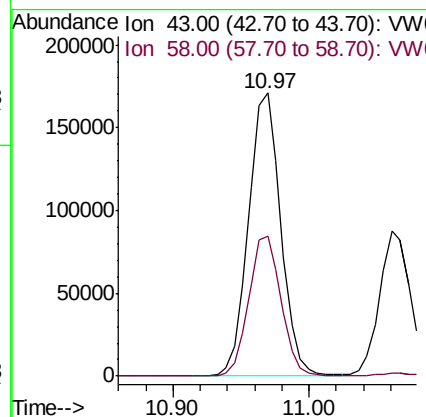
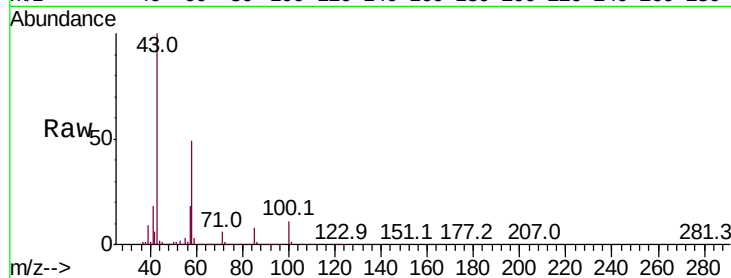




#59
2-Hexanone
Concen: 193.605 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW012811.D
Acq: 09 Sep 2019 09:50

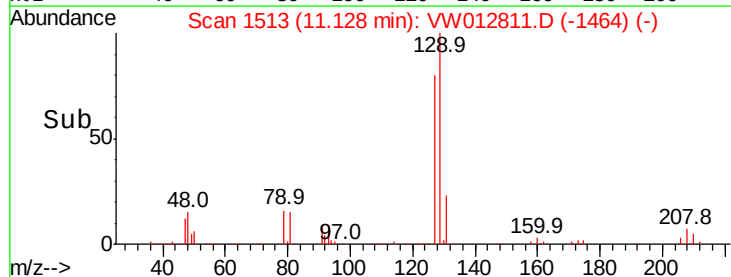
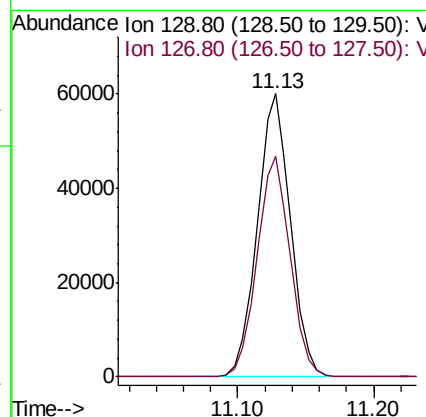
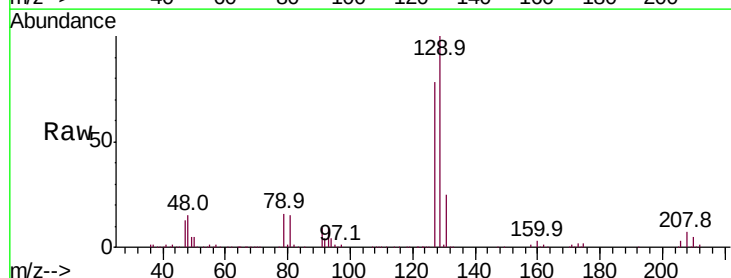
Instrument :
MSVOA_W
ClientSampleId :

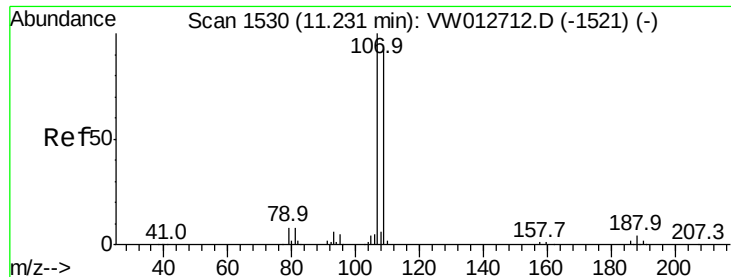
Tot Ion: 43 Resp: 284000
Ion Ratio Lower Upper
43 100
58 49.5 24.7 74.1



#60
Dibromochloromethane
Concen: 50.392 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW012811.D
Acq: 09 Sep 2019 09:50

Tgt Ion:129 Resp: 102436
Ion Ratio Lower Upper
129 100
127 77.8 38.6 115.8

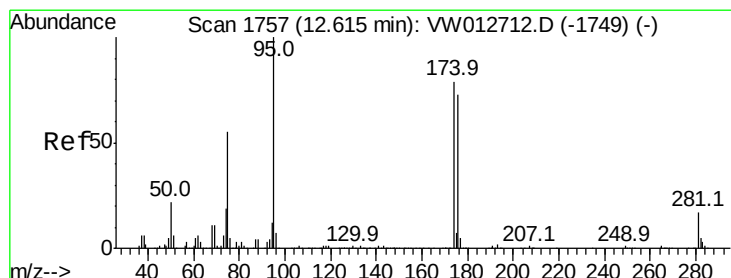
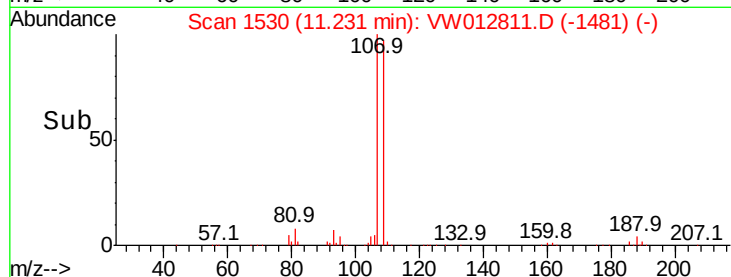
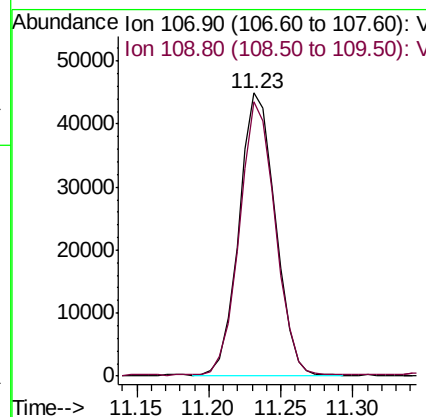
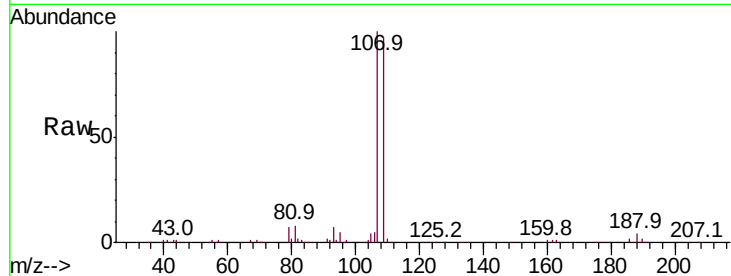




#61
 1,2-Dibromoethane
 Concen: 49.366 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW012811.D
 Acq: 09 Sep 2019 09:50

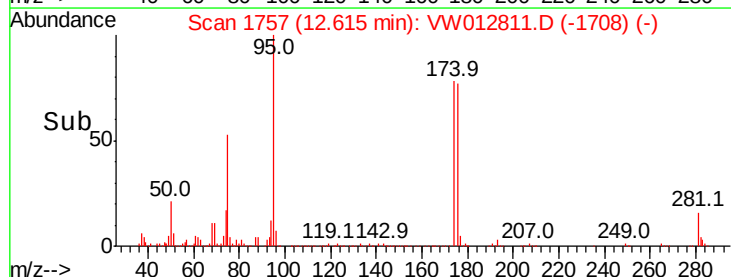
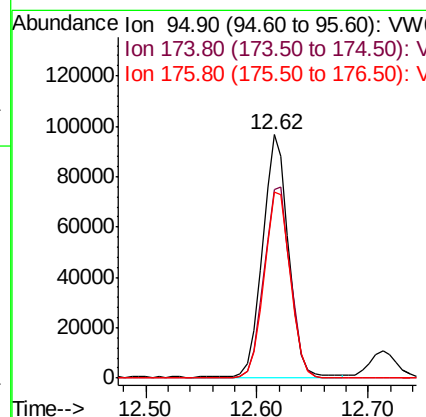
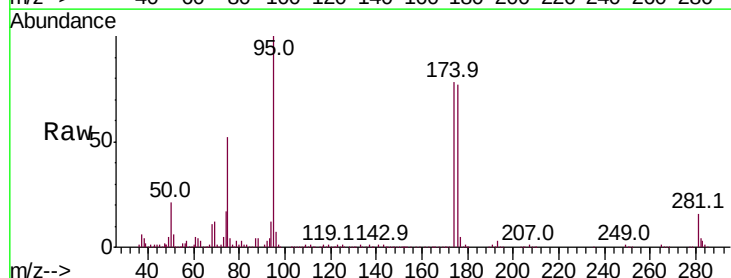
Instrument :
 MSVOA_W
 ClientSampled :

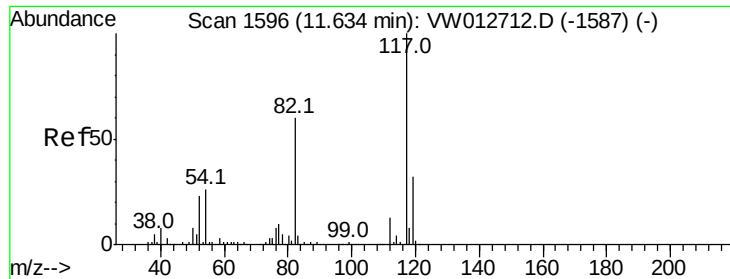
Tot Ion:107 Resp: 78227
 Ion Ratio Lower Upper
 107 100
 109 95.2 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 51.679 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW012811.D
 Acq: 09 Sep 2019 09:50

Tgt Ion: 95 Resp: 155822
 Ion Ratio Lower Upper
 95 100
 174 80.5 0.0 161.0
 176 78.0 0.0 156.4

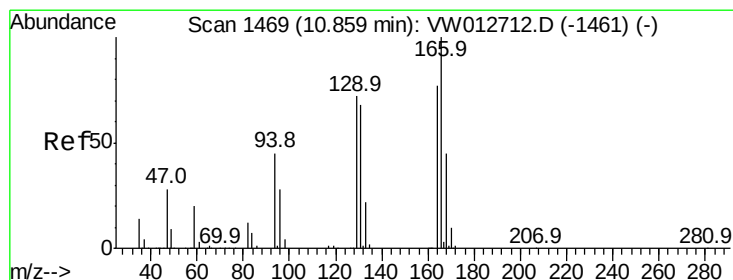
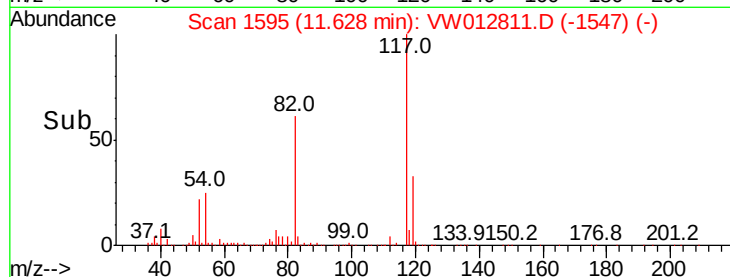
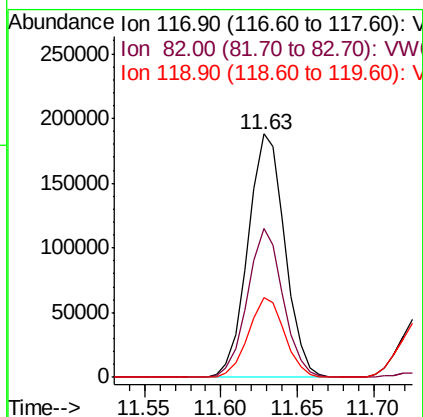
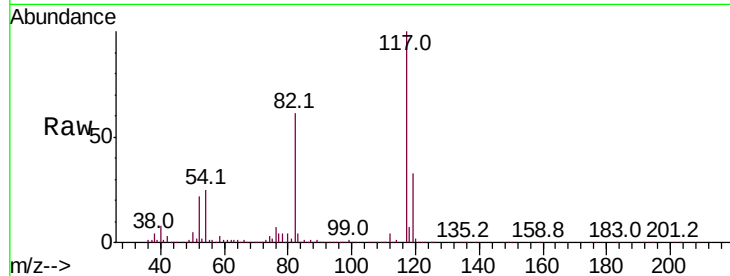




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012811.D
Acq: 09 Sep 2019 09:50

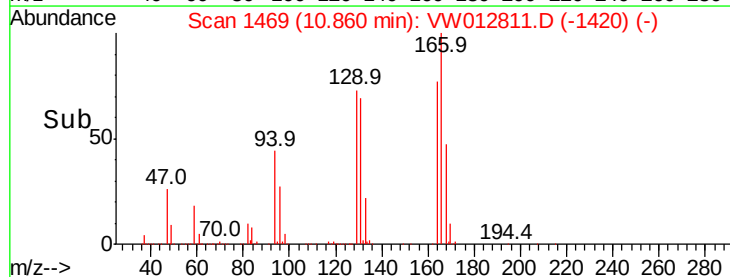
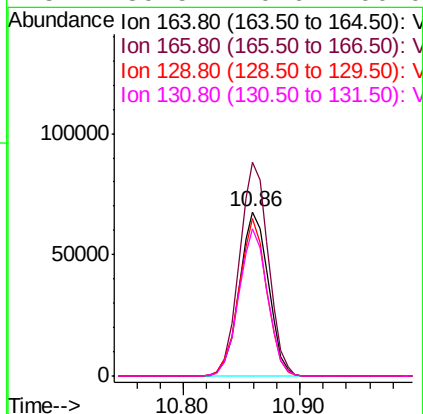
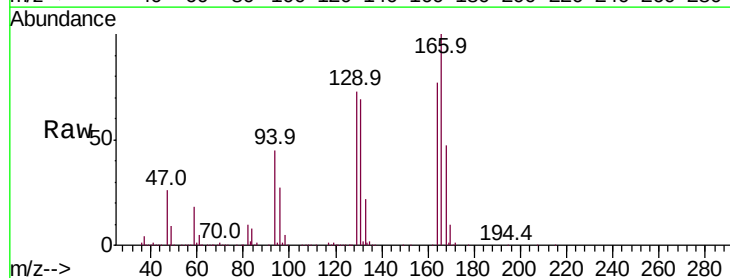
Instrument :
MSVOA_W
ClientSampleId :

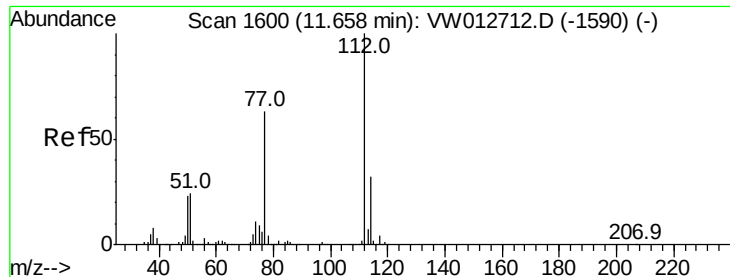
Tot Ion:117 Resp: 314903
Ion Ratio Lower Upper
117 100
82 61.2 48.2 72.4
119 32.6 25.8 38.6



#64
Tetrachloroethene
Concen: 61.558 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW012811.D
Acq: 09 Sep 2019 09:50

Tgt Ion:164 Resp: 117622
Ion Ratio Lower Upper
164 100
166 130.1 103.6 155.4
129 95.6 74.6 112.0
131 89.5 70.6 106.0





#65

Chlorobenzene

Concen: 51.732 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW012811.D

Acq: 09 Sep 2019 09:50

Instrument :

MSVOA_W

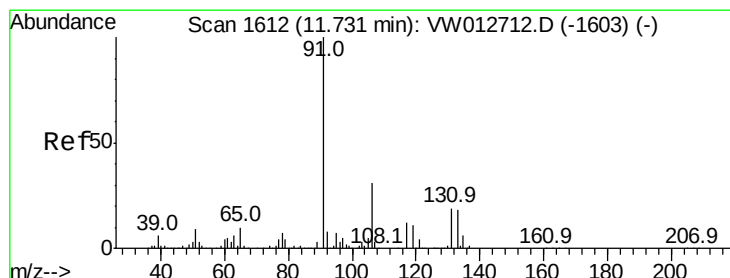
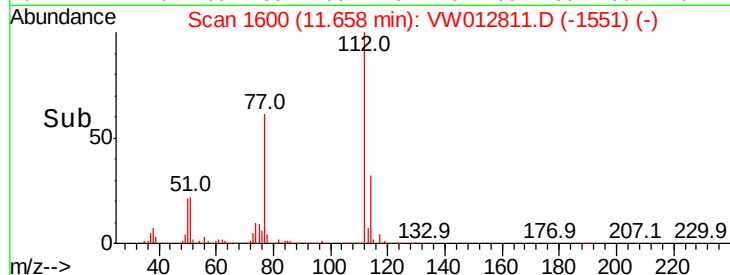
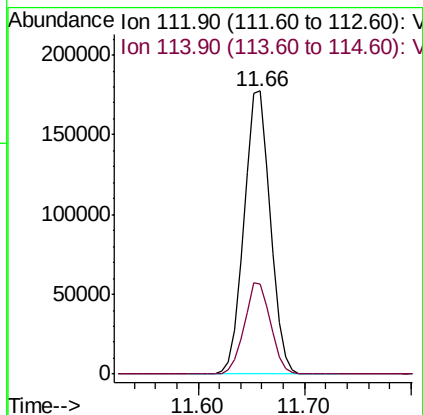
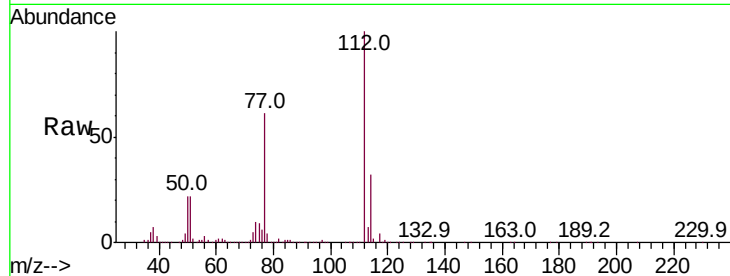
ClientSampleId :

Tot Ion:112 Resp: 307896

Ion Ratio Lower Upper

112 100

114 31.7 25.3 37.9



#66

1,1,1,2-Tetrachloroethane

Concen: 52.352 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW012811.D

Acq: 09 Sep 2019 09:50

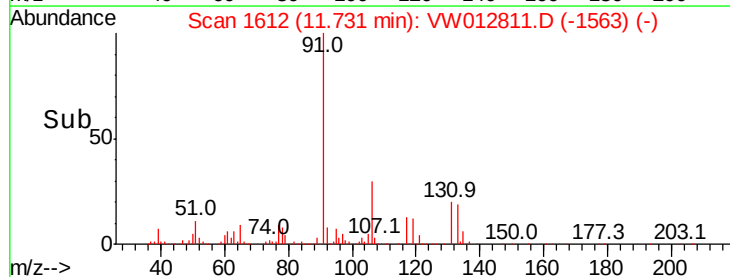
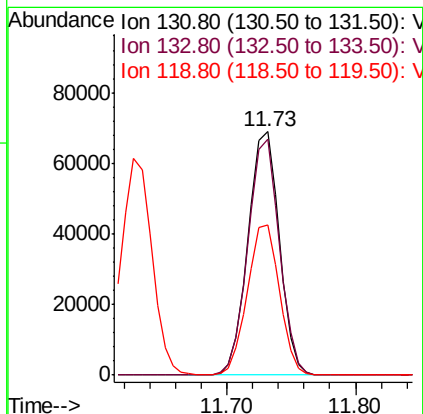
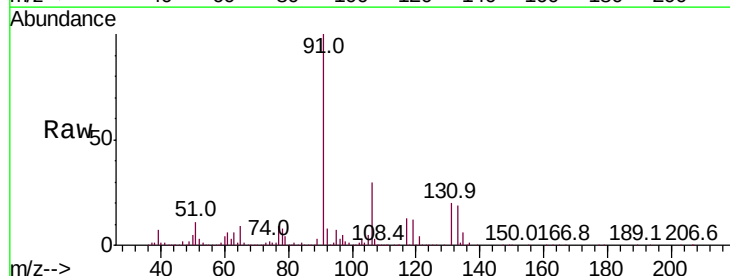
Tgt Ion:131 Resp: 116036

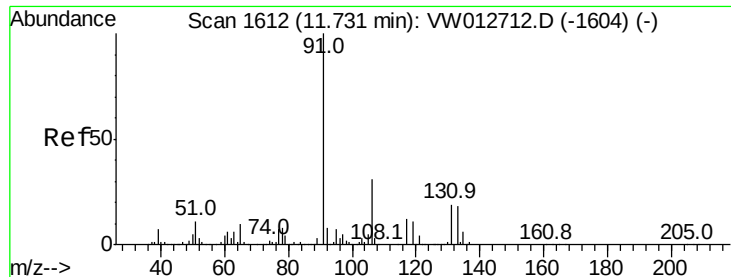
Ion Ratio Lower Upper

131 100

133 97.1 47.6 142.8

119 63.2 30.6 92.0

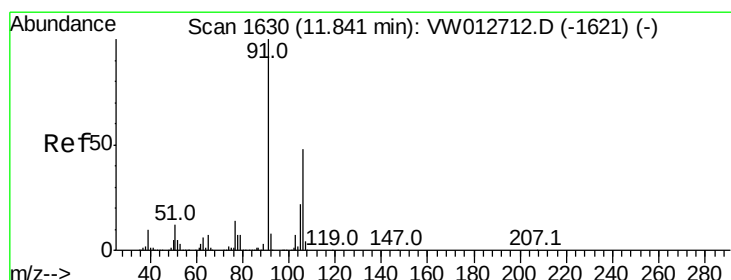
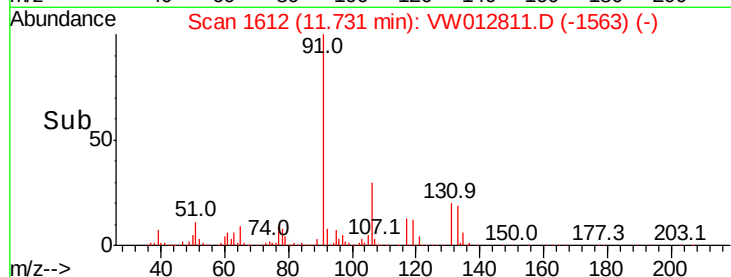
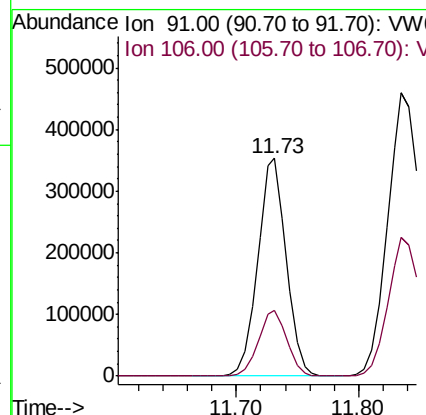
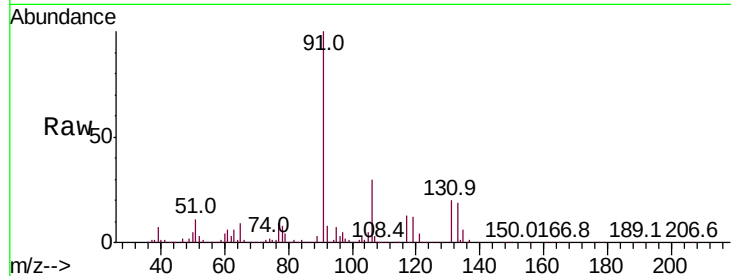




#67
Ethyl Benzene
Concen: 50.883 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012811.D
Acq: 09 Sep 2019 09:50

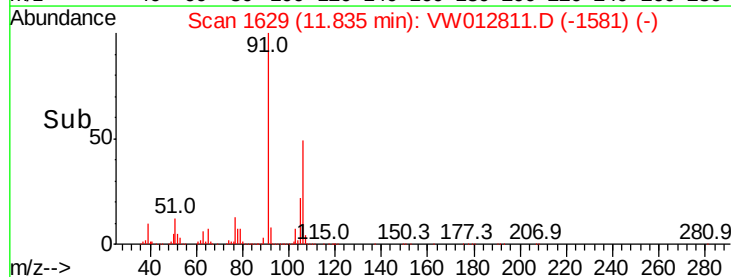
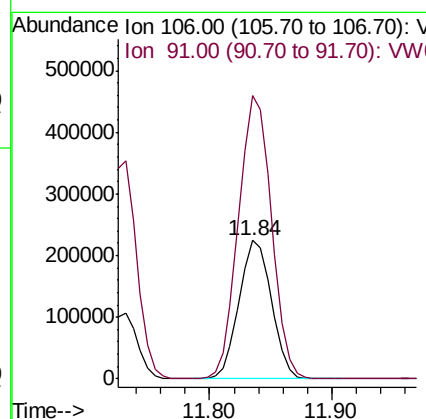
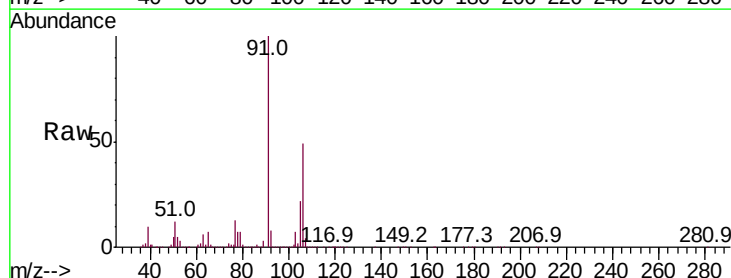
Instrument :
MSVOA_W
ClientSampled :

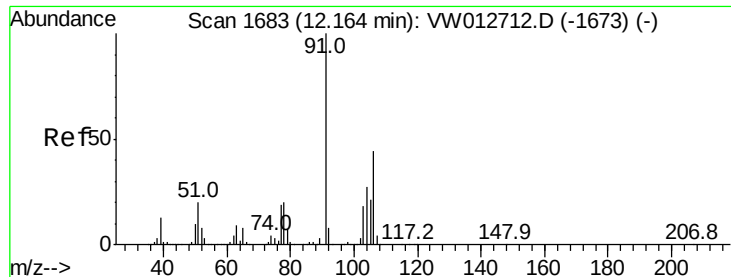
Tot Ion: 91 Resp: 568210
Ion Ratio Lower Upper
91 100
106 30.2 24.4 36.6



#68
m/p-Xylenes
Concen: 102.611 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012811.D
Acq: 09 Sep 2019 09:50

Tgt Ion: 106 Resp: 413602
Ion Ratio Lower Upper
106 100
91 207.5 168.2 252.4

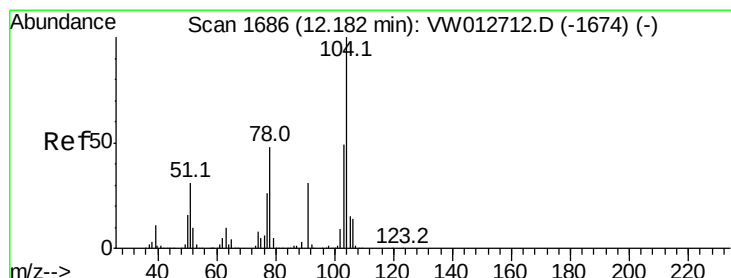
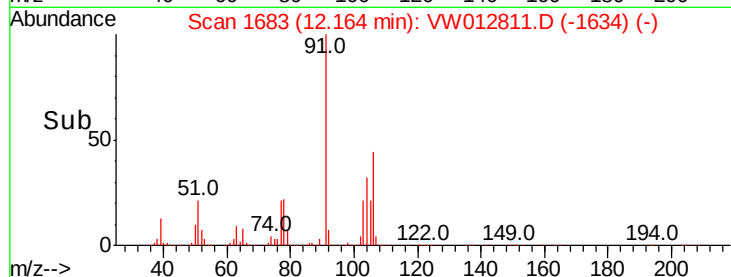
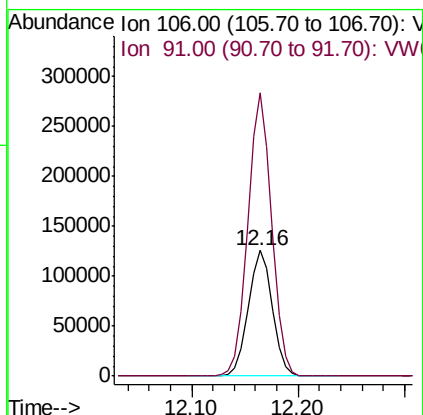
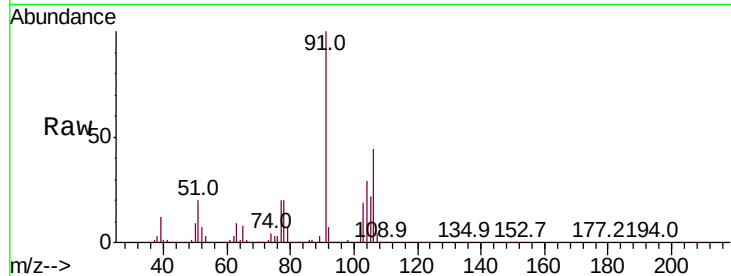




#69
o-Xylene
Concen: 52.540 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012811.D
Acq: 09 Sep 2019 09:50

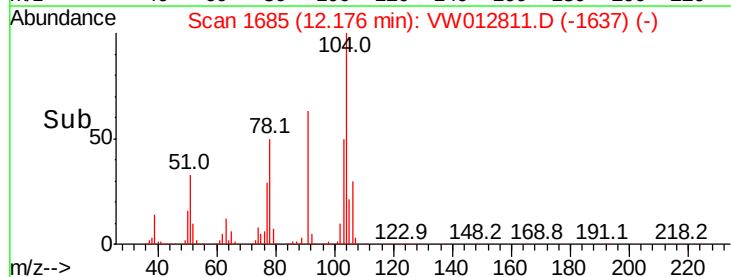
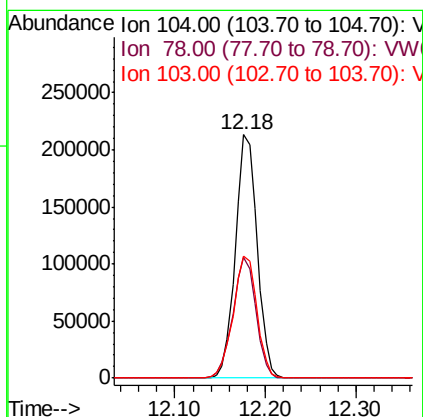
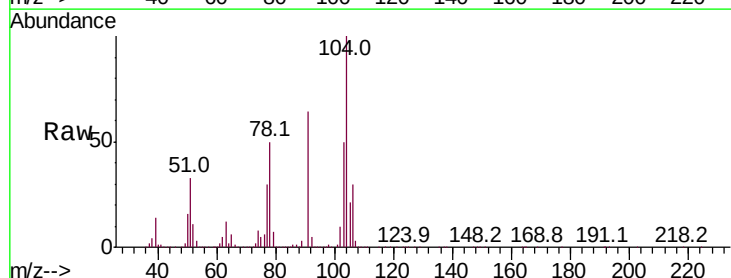
Instrument :
MSVOA_W
ClientSampleId :

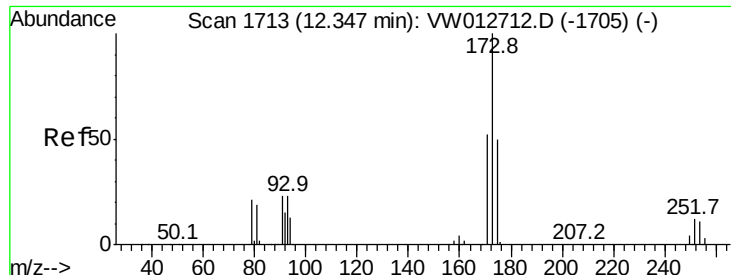
Tot Ion:106 Resp: 199794
Ion Ratio Lower Upper
106 100
91 221.5 112.3 336.8



#70
Styrene
Concen: 52.867 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW012811.D
Acq: 09 Sep 2019 09:50

Tgt Ion:104 Resp: 355246
Ion Ratio Lower Upper
104 100
78 52.8 43.3 64.9
103 54.8 44.0 66.0





#71

Bromoform

Concen: 47.216 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW012811.D

Acq: 09 Sep 2019 09:50

Instrument :

MSVOA_W

ClientSampleId :

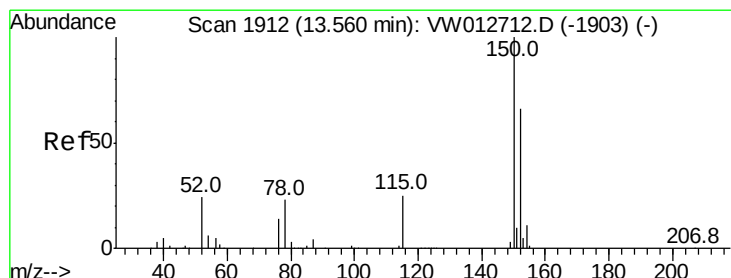
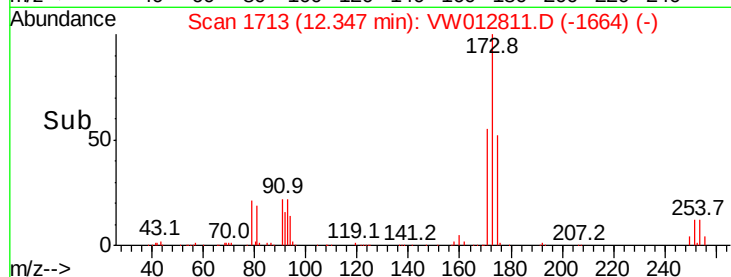
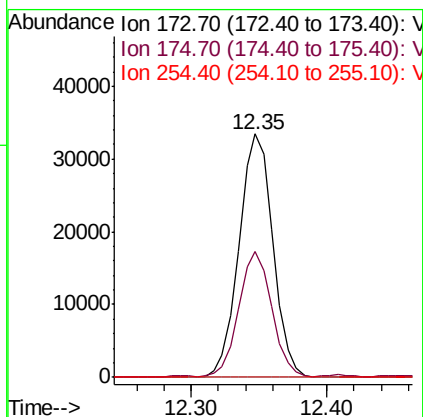
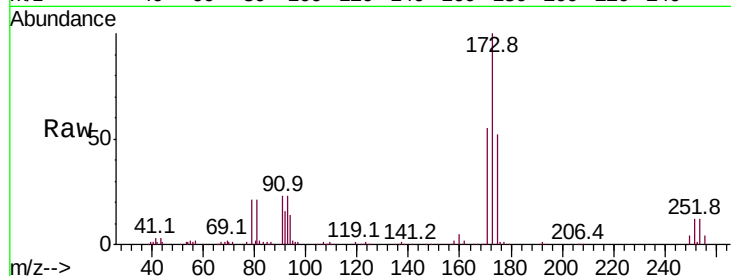
Tot Ion:173 Resp: 58143

Ion Ratio Lower Upper

173 100

175 50.2 24.8 74.3

254 0.1 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW012811.D

Acq: 09 Sep 2019 09:50

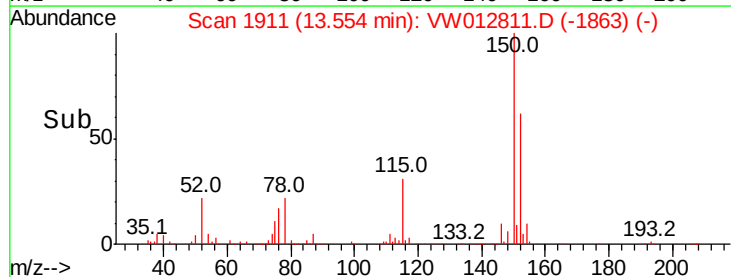
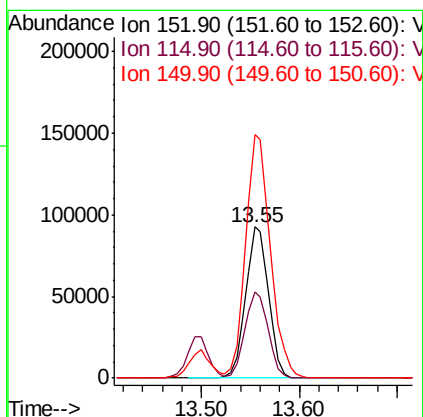
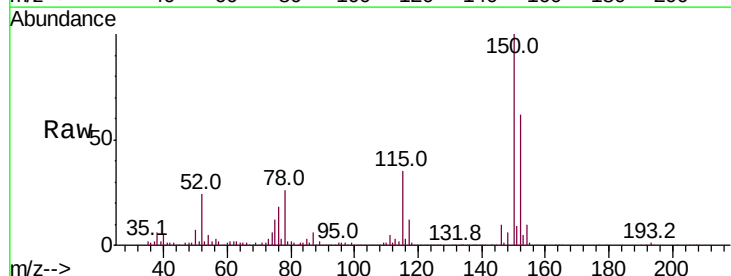
Tgt Ion:152 Resp: 149474

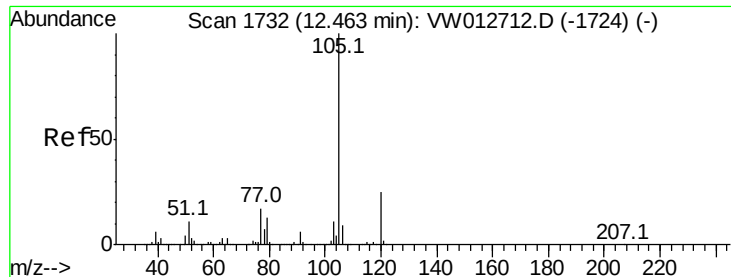
Ion Ratio Lower Upper

152 100

115 57.1 30.0 90.1

150 174.1 0.0 349.0





#73

Isopropylbenzene

Concen: 51.963 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW012811.D

Acq: 09 Sep 2019 09:50

Instrument :

MSVOA_W

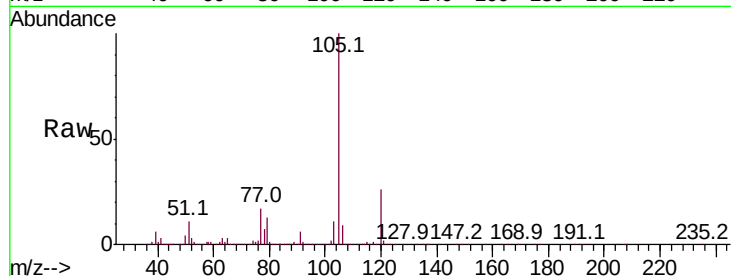
ClientSampleId :

Tot Ion:105 Resp: 557075

Ion Ratio Lower Upper

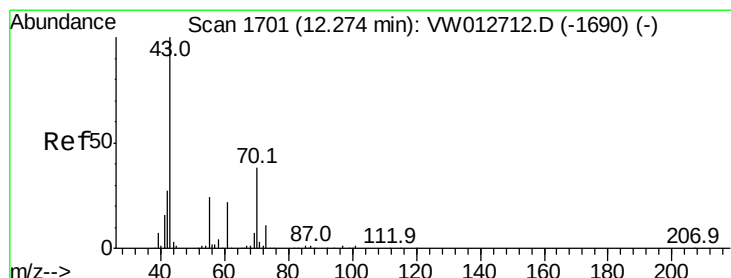
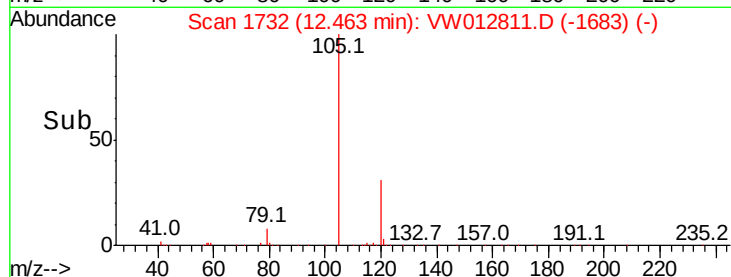
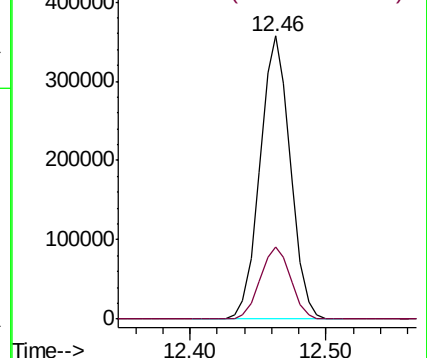
105 100

120 25.9 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 44.737 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW012811.D

Acq: 09 Sep 2019 09:50

Tgt Ion: 43 Resp: 152235

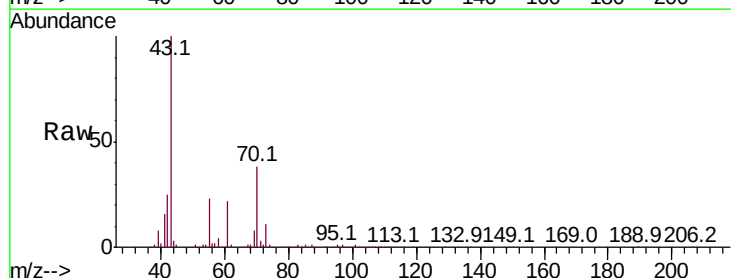
Ion Ratio Lower Upper

43 100

70 37.1 29.4 44.0

55 22.8 18.6 27.8

61 22.0 17.8 26.6

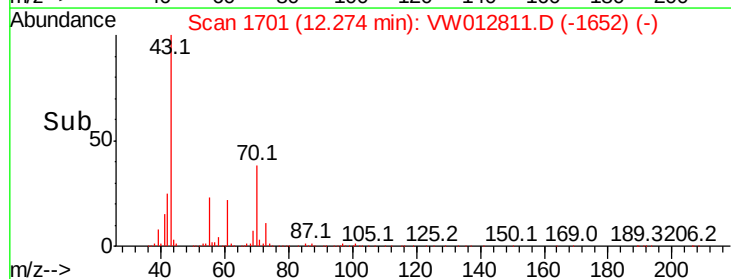
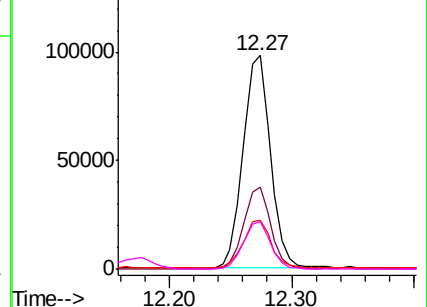


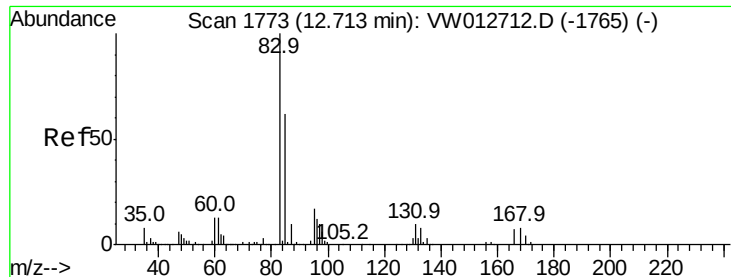
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 44.782 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012811.D

Acq: 09 Sep 2019 09:50

Instrument :

MSVOA_W

ClientSampleId :

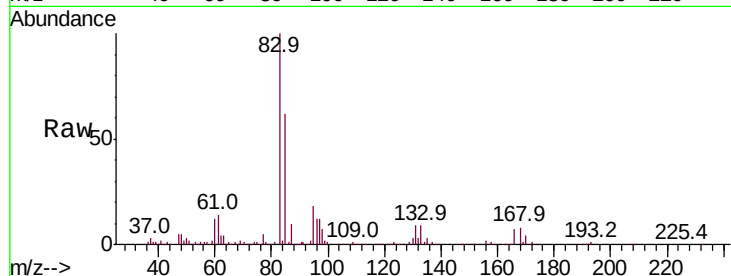
Tot Ion: 83 Resp: 96417

Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.1	15.4
85	63.2	31.4	94.2

83 100

131 11.1 5.1 15.4

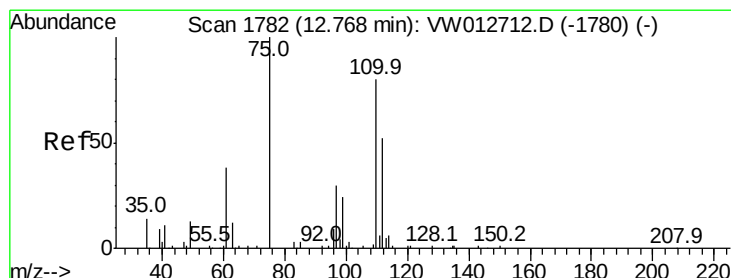
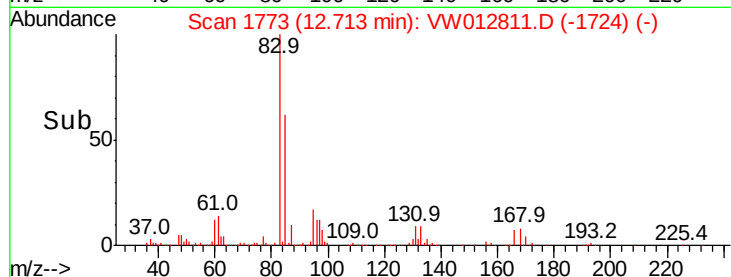
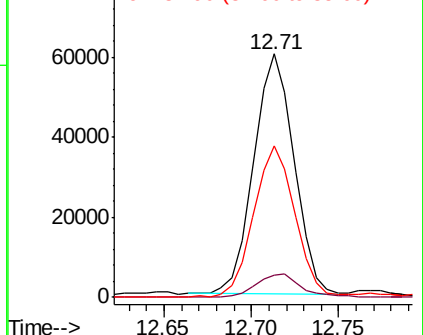
85 63.2 31.4 94.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 82.540 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW012811.D

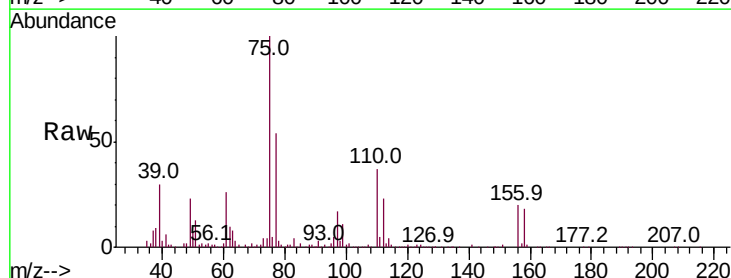
Acq: 09 Sep 2019 09:50

Tgt Ion: 75 Resp: 126158

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

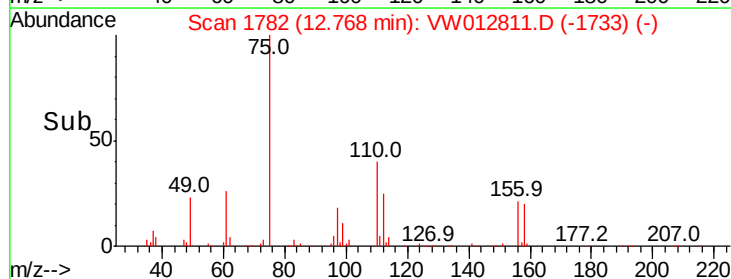
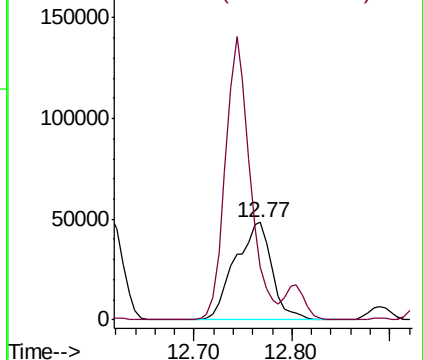
75 100

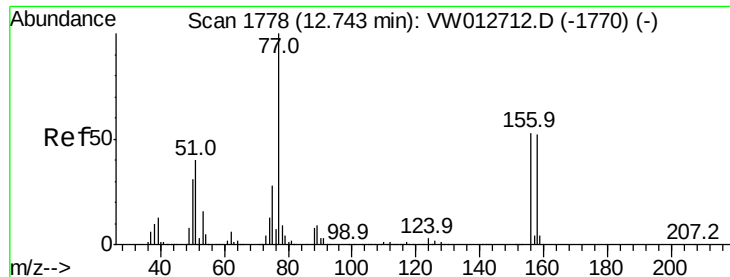
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 53.704 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW012811.D

Acq: 09 Sep 2019 09:50

Instrument :

MSVOA_W

ClientSampled :

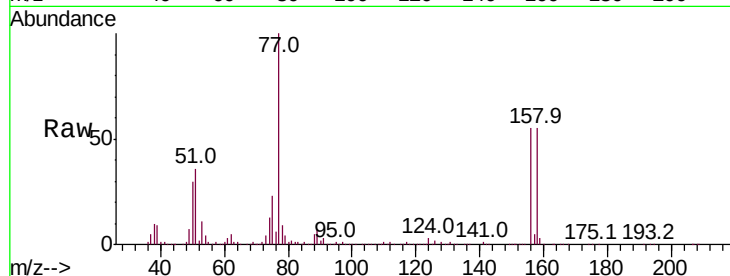
Tot Ion:156 Resp: 130441

Ion Ratio Lower Upper

156 100

77 190.0 102.3 306.9

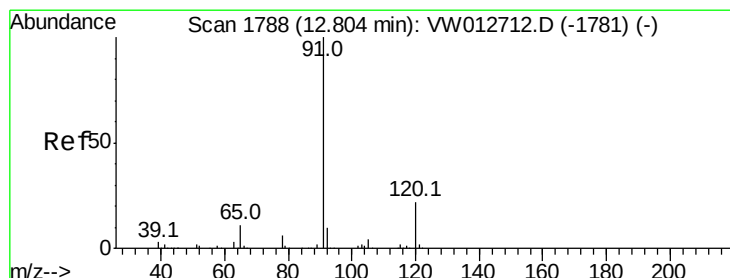
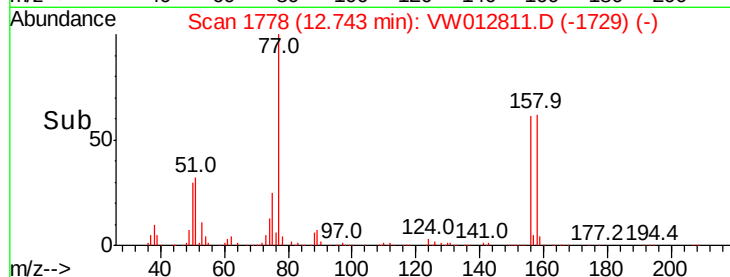
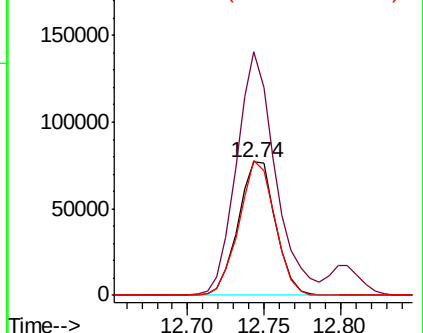
158 97.1 48.9 146.8



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: 50.284 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW012811.D

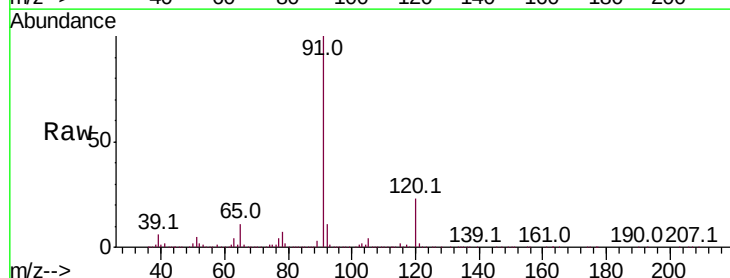
Acq: 09 Sep 2019 09:50

Tgt Ion: 91 Resp: 644740

Ion Ratio Lower Upper

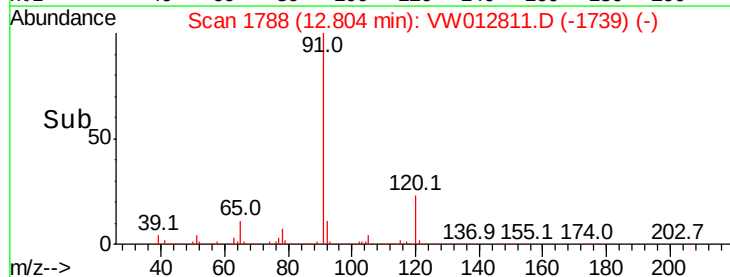
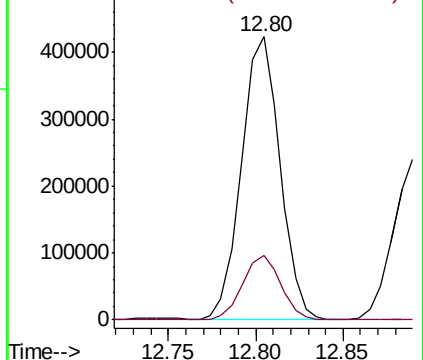
91 100

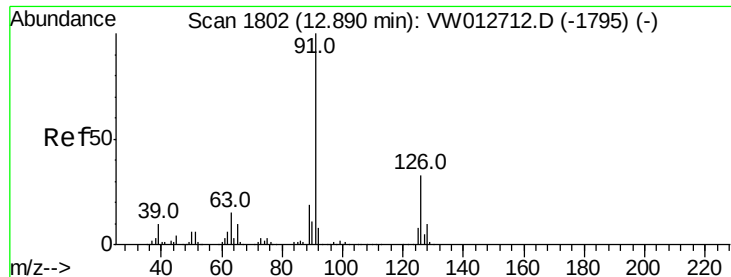
120 22.6 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.907 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW012811.D

Acq: 09 Sep 2019 09:50

Instrument :

MSVOA_W

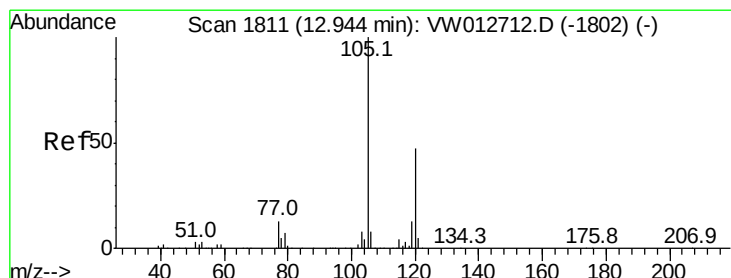
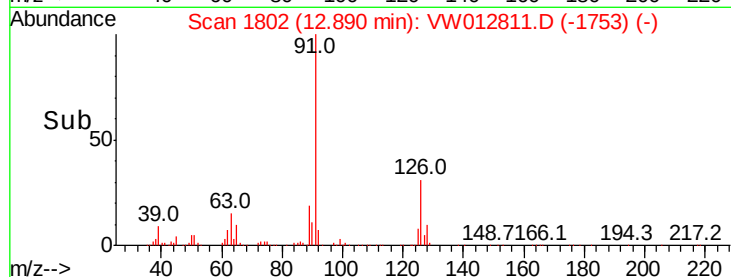
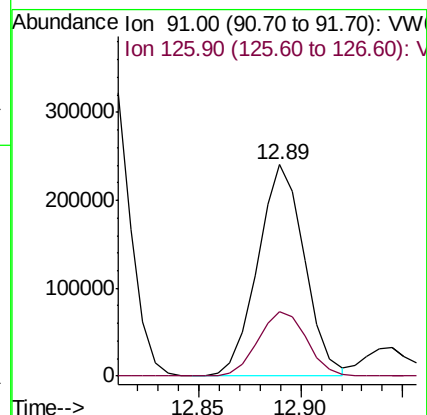
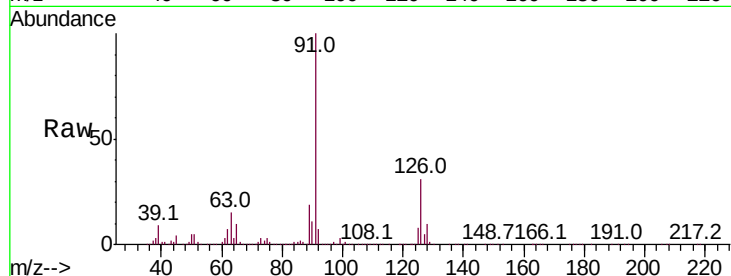
ClientSampleId :

Tot Ion: 91 Resp: 382069

Ion Ratio Lower Upper

91 100

126 32.0 16.1 48.3



#80

1,3,5-Trimethylbenzene

Concen: 52.026 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW012811.D

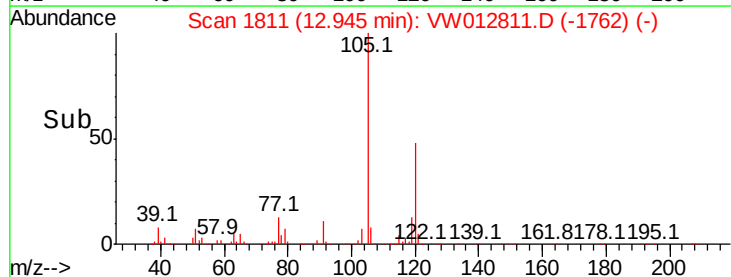
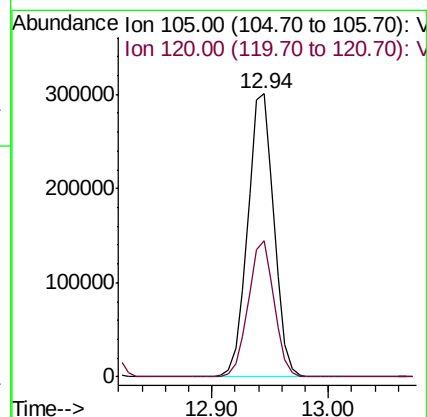
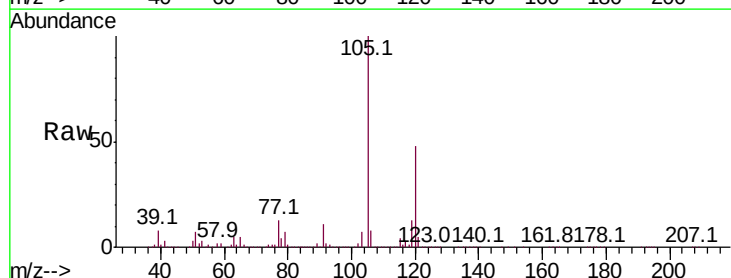
Acq: 09 Sep 2019 09:50

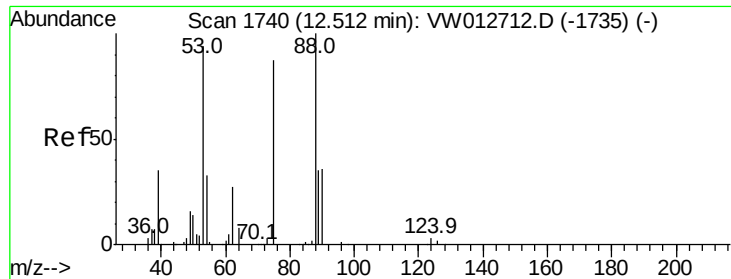
Tgt Ion: 105 Resp: 469989

Ion Ratio Lower Upper

105 100

120 47.7 23.9 71.8





#81

trans-1,4-Dichloro-2-butene

Concen: 39.047 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW012811.D

Acq: 09 Sep 2019 09:50

Instrument :

MSVOA_W

ClientSampleId :

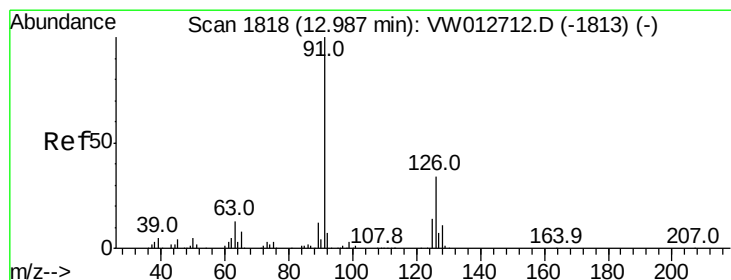
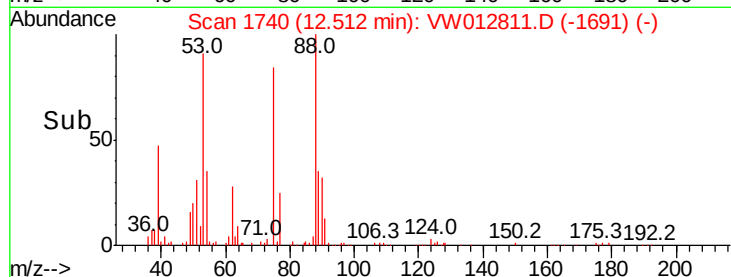
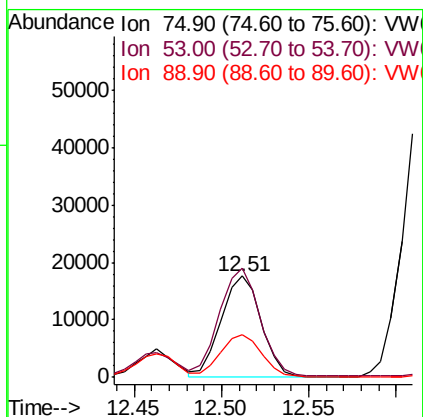
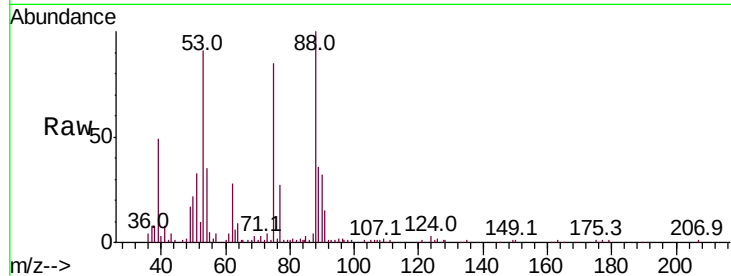
Tot Ion: 75 Resp: 28217

Ion Ratio Lower Upper

75 100

53 108.1 87.6 131.4

89 43.9 35.5 53.3



#82

4-Chlorotoluene

Concen: 51.306 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW012811.D

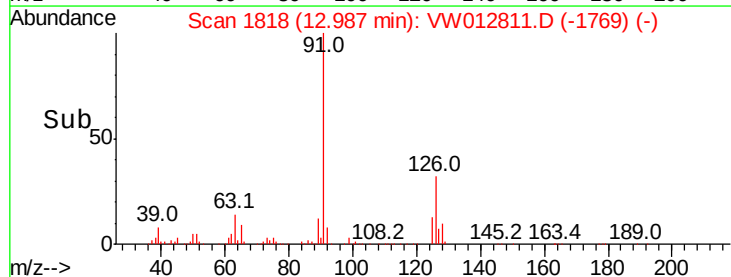
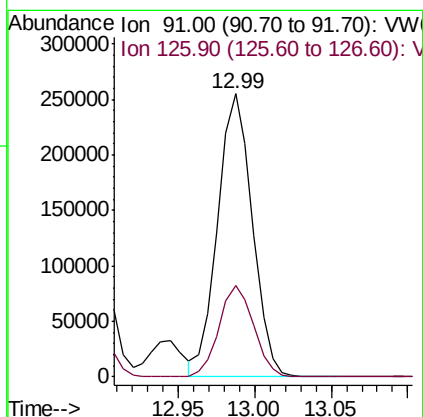
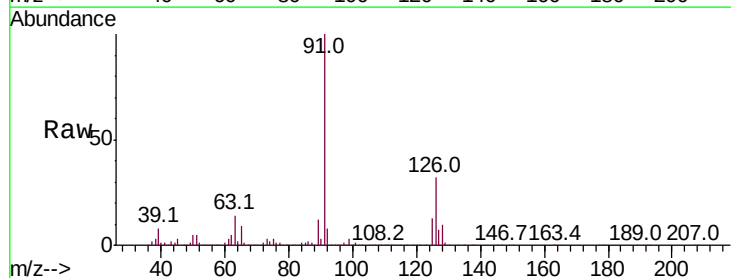
Acq: 09 Sep 2019 09:50

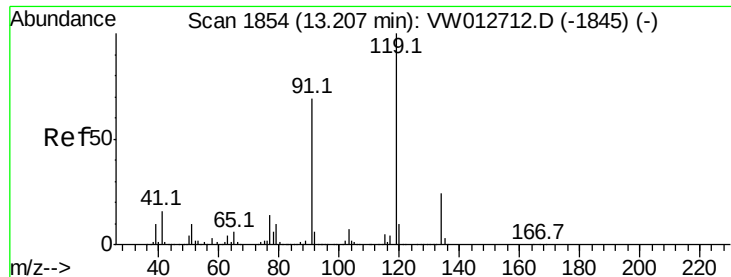
Tgt Ion: 91 Resp: 399462

Ion Ratio Lower Upper

91 100

126 32.2 15.9 47.6

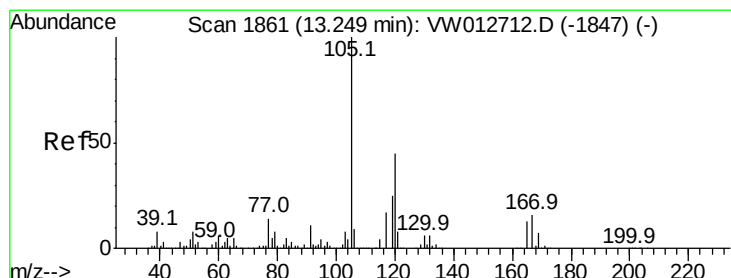
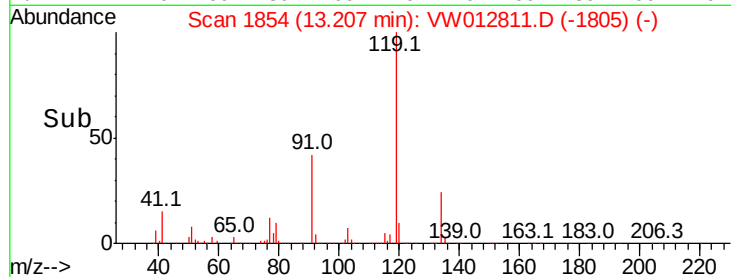
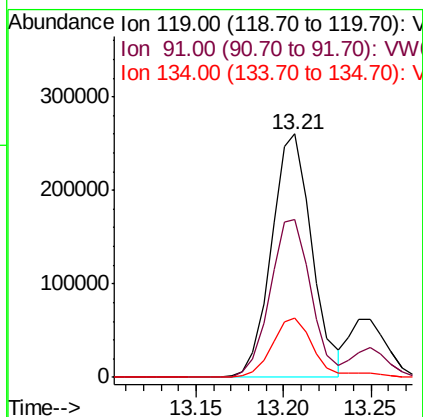
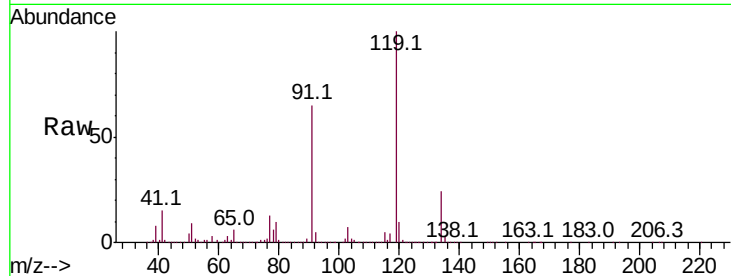




#83
 tert-Butylbenzene
 Concen: 52.470 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW012811.D
 Acq: 09 Sep 2019 09:50

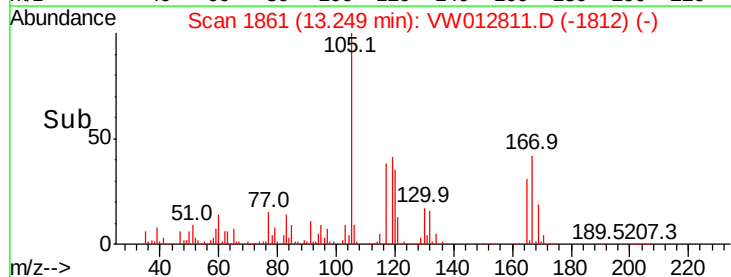
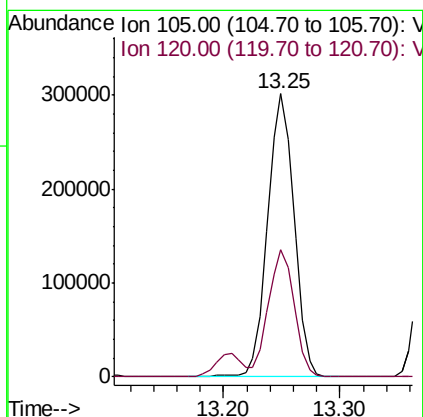
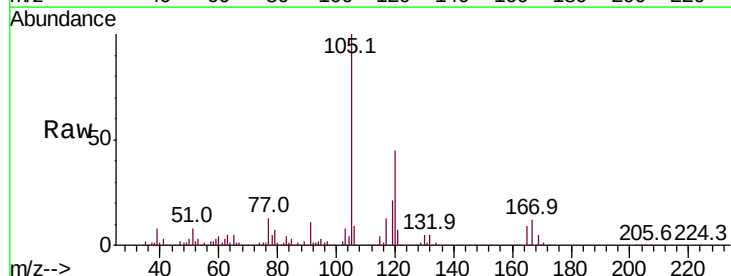
Instrument :
 MSVOA_W
 ClientSampleId :

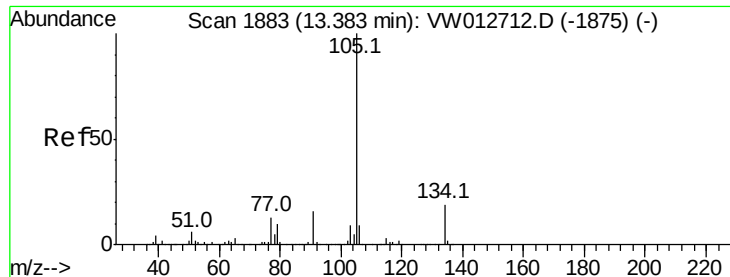
Tot Ion:119 Resp: 419115
 Ion Ratio Lower Upper
 119 100
 91 65.7 34.2 102.5
 134 24.5 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 51.770 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW012811.D
 Acq: 09 Sep 2019 09:50

Tgt Ion:105 Resp: 471248
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.1 66.3





#85

sec-Butylbenzene

Concen: 49.485 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW012811.D

Acq: 09 Sep 2019 09:50

Instrument :

MSVOA_W

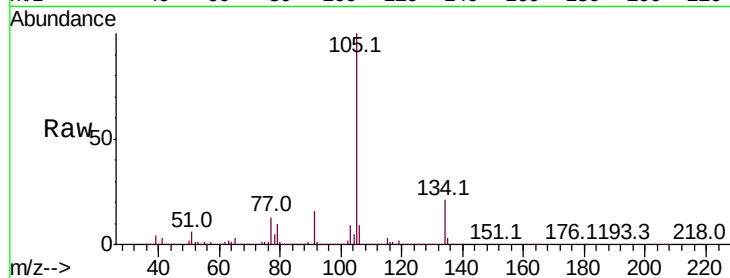
ClientSampleId :

Tot Ion:105 Resp: 548490

Ion Ratio Lower Upper

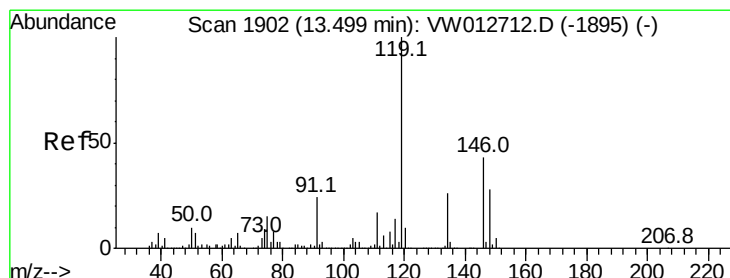
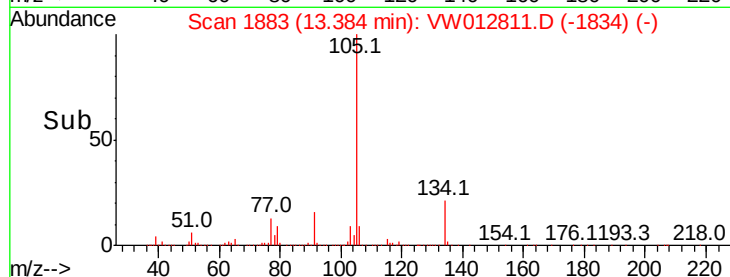
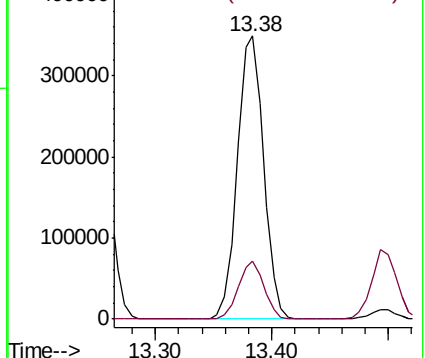
105 100

134 20.1 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.511 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

Lab File: VW012811.D

Acq: 09 Sep 2019 09:50

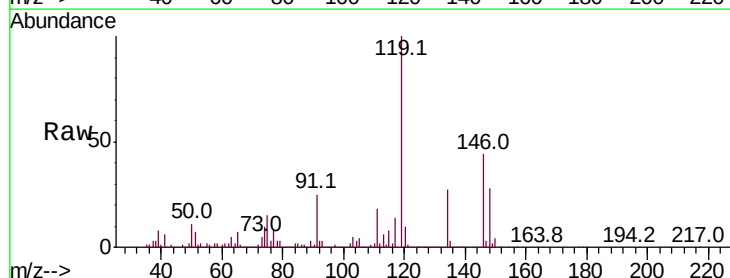
Tgt Ion:119 Resp: 501266

Ion Ratio Lower Upper

119 100

134 25.7 12.7 38.1

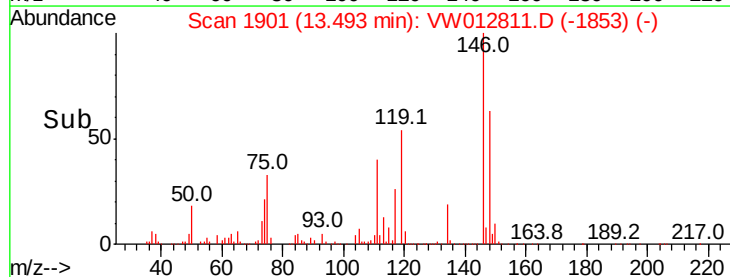
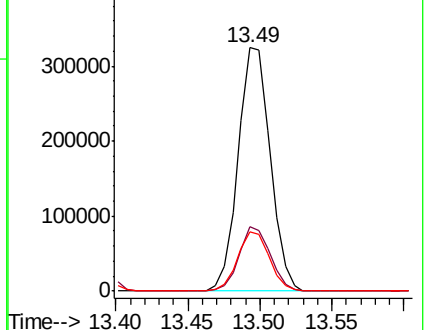
91 23.9 12.2 36.6

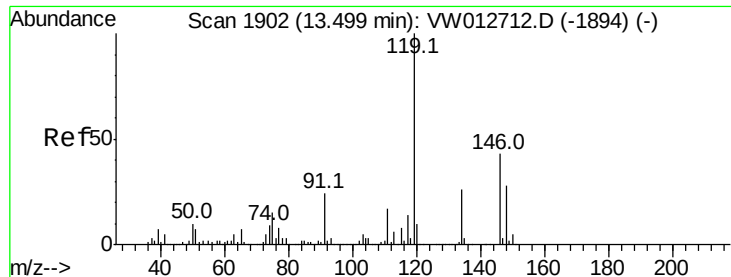


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 51.694 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

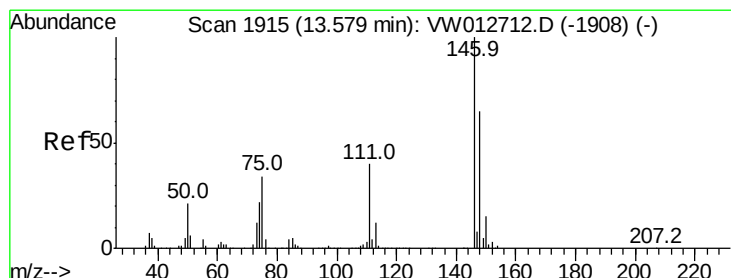
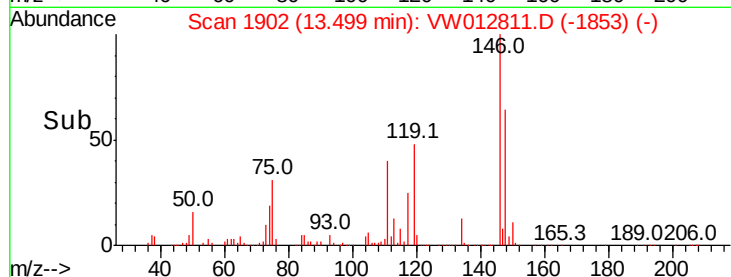
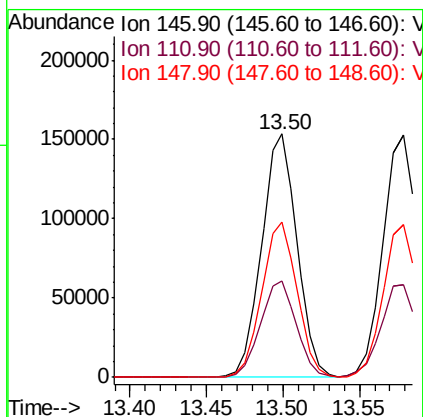
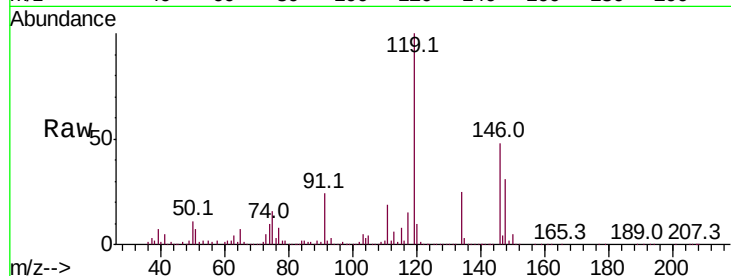
Lab File: VW012811.D

Acq: 09 Sep 2019 09:50

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:146 Resp: 246792

Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.4	61.2
148	63.7	31.8	95.4



#88

1,4-Dichlorobenzene

Concen: 51.083 ug/l

RT: 13.58 min Scan# 1915

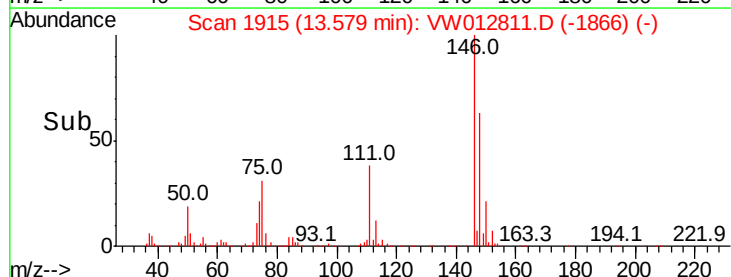
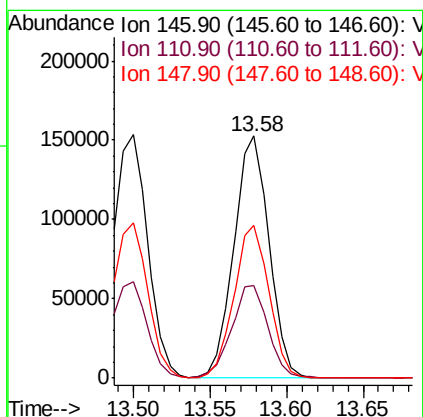
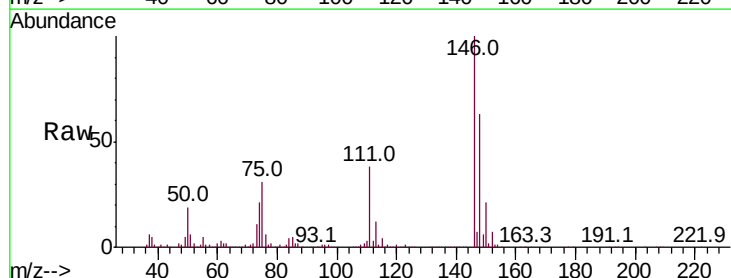
Delta R.T. 0.00 min

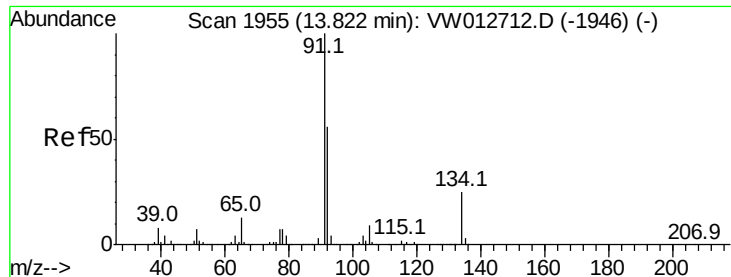
Lab File: VW012811.D

Acq: 09 Sep 2019 09:50

Tgt Ion:146 Resp: 242669

Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.0	60.0
148	63.0	32.2	96.6

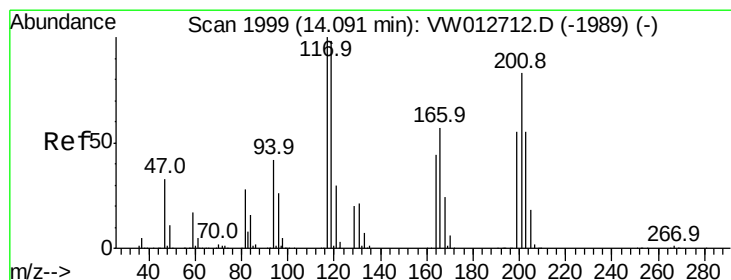
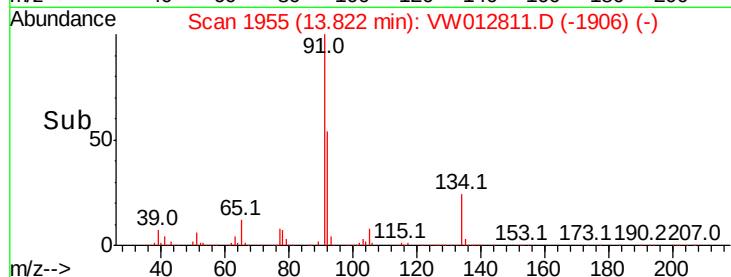
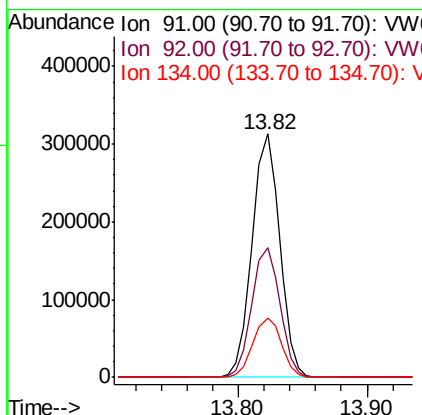
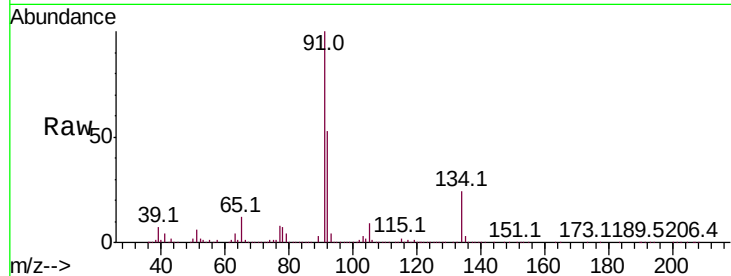




#89
n-Butylbenzene
Concen: 46.977 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW012811.D
Acq: 09 Sep 2019 09:50

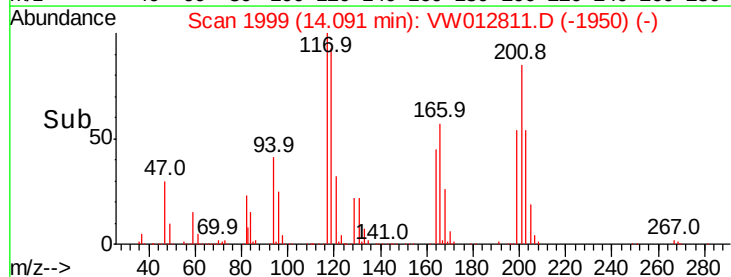
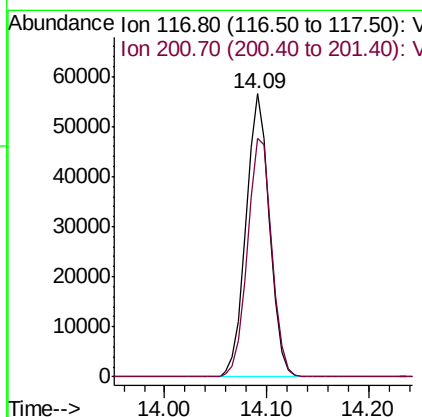
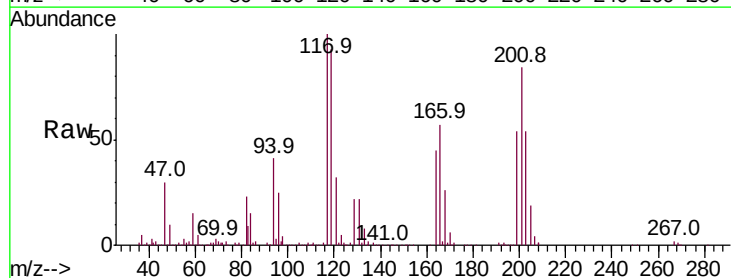
Instrument :
MSVOA_W
ClientSampled :

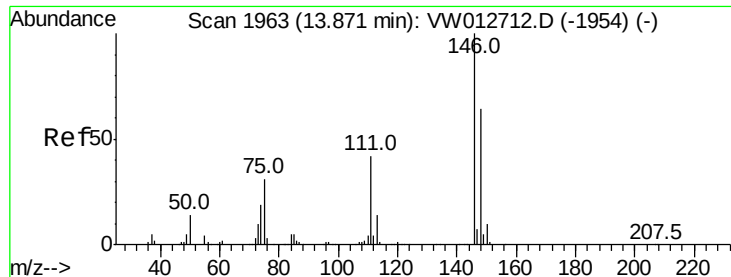
Tot Ion: 91 Resp: 461731
Ion Ratio Lower Upper
91 100
92 54.3 27.2 81.5
134 25.4 12.7 38.1



#90
Hexachloroethane
Concen: 51.460 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW012811.D
Acq: 09 Sep 2019 09:50

Tgt Ion: 117 Resp: 90952
Ion Ratio Lower Upper
117 100
201 87.1 42.8 128.4

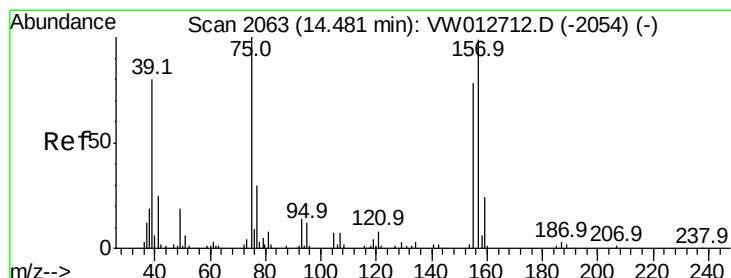
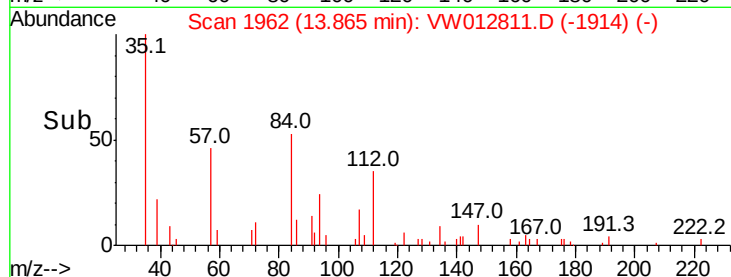
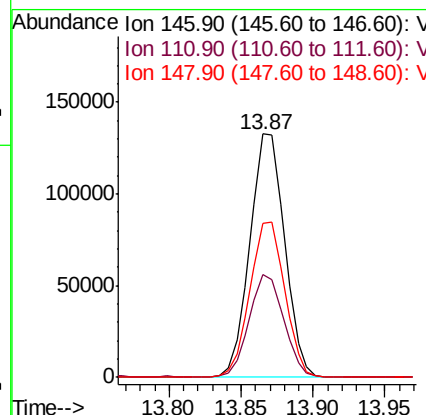
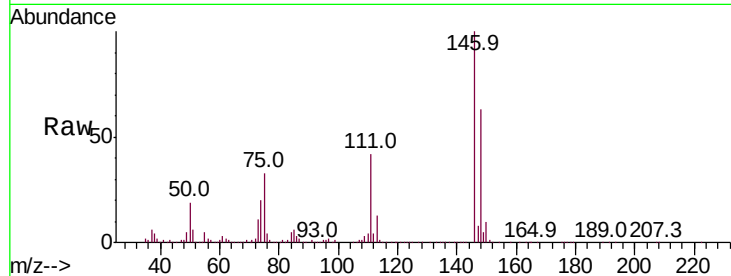




#91
 1,2-Dichlorobenzene
 Concen: 51.599 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW012811.D
 Acq: 09 Sep 2019 09:50

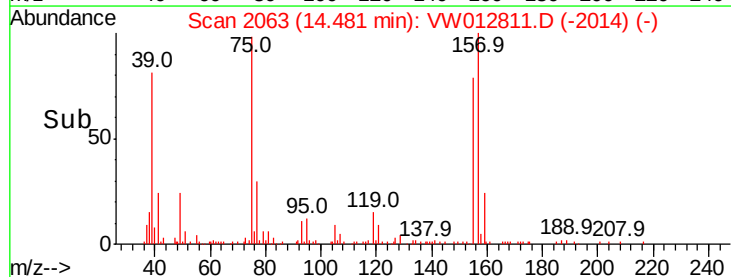
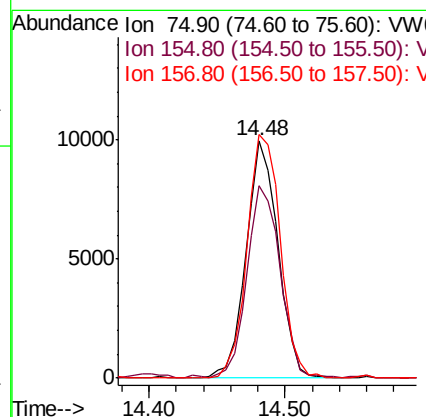
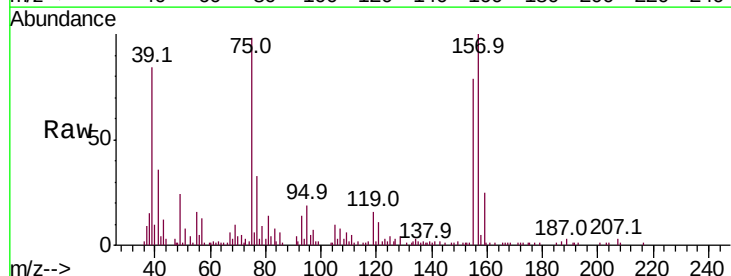
Instrument :
 MSVOA_W
 ClientSampleId :

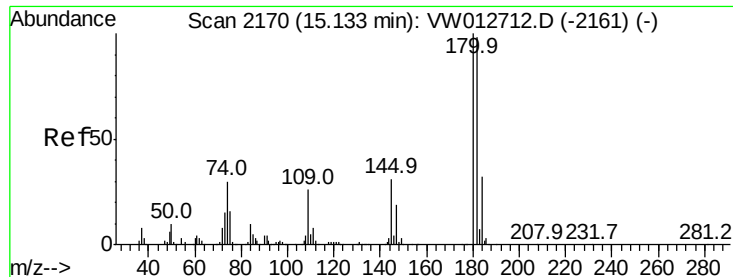
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.3	63.9
148	64.0	32.1	96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 41.456 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW012811.D
 Acq: 09 Sep 2019 09:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.2	40.6	122.0
157	107.1	52.5	157.5

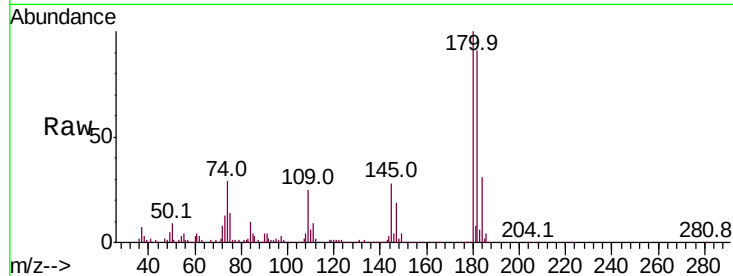




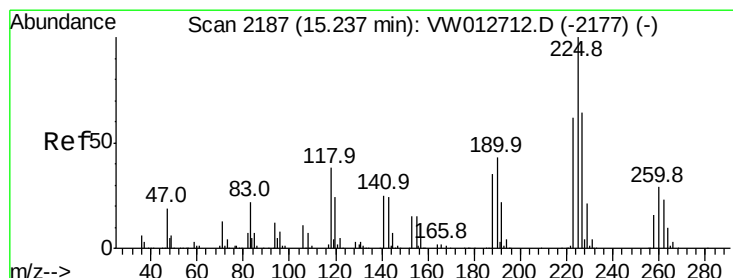
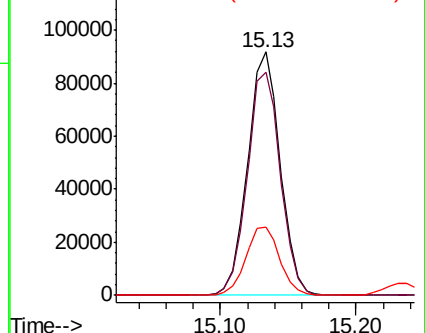
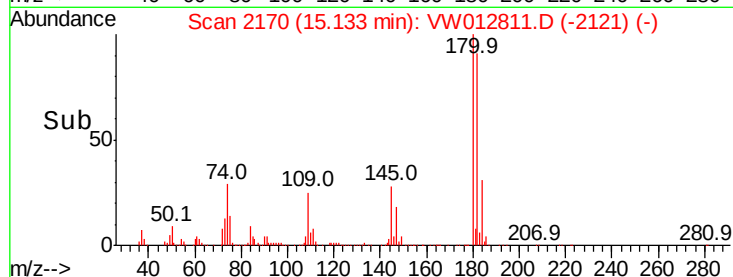
#93
 1,2,4-Trichlorobenzene
 Concen: 51.333 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW012811.D
 Acq: 09 Sep 2019 09:50

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180 Resp: 153571
 Ion Ratio Lower Upper
 180 100
 182 93.6 48.7 146.1
 145 29.3 15.0 45.1

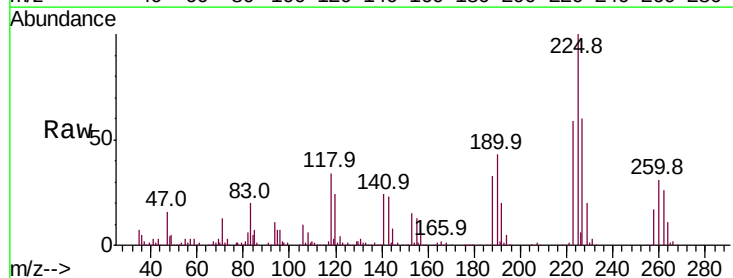


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

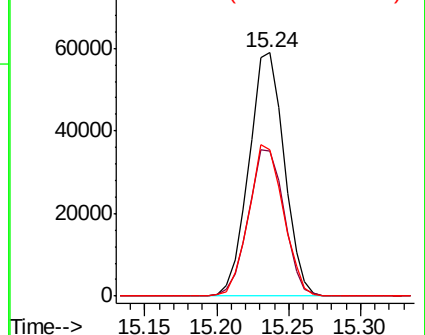
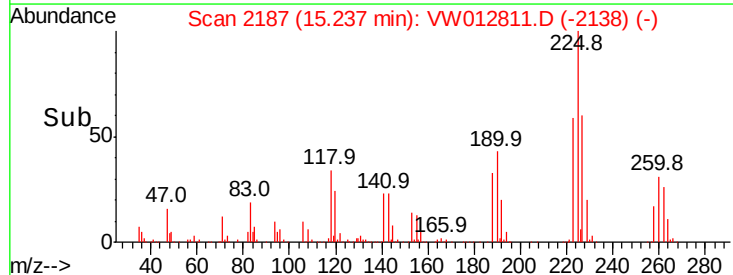


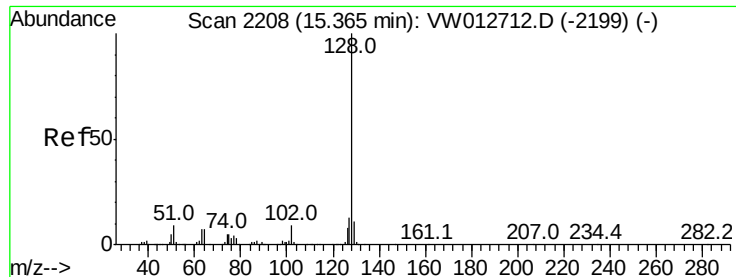
#94
 Hexachlorobutadiene
 Concen: 48.275 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW012811.D
 Acq: 09 Sep 2019 09:50

Tgt Ion:225 Resp: 99963
 Ion Ratio Lower Upper
 225 100
 223 61.0 31.1 93.3
 227 61.1 31.4 94.2



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

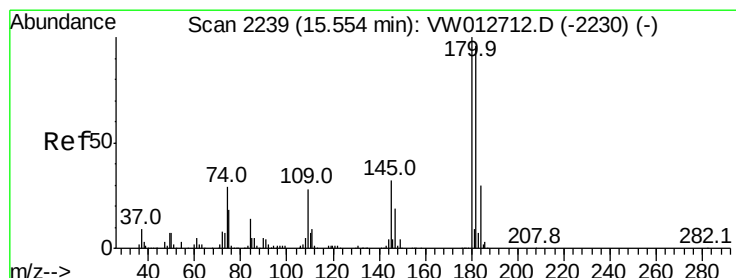
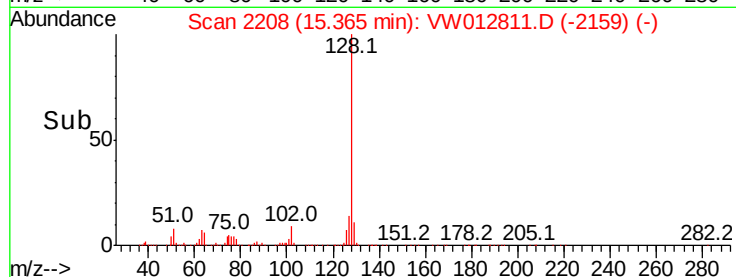
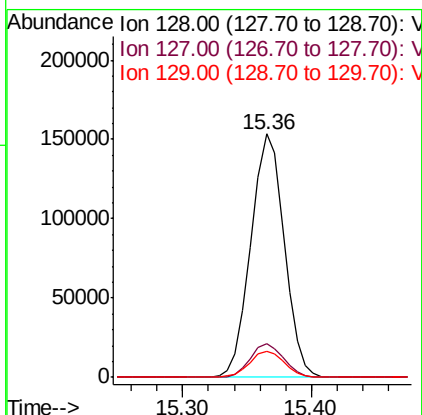
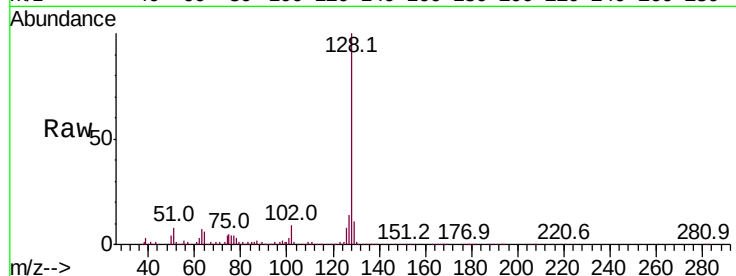




#95
Naphthalene
Concen: 44.328 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012811.D
Acq: 09 Sep 2019 09:50

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 274521
Ion Ratio Lower Upper
128 100
127 13.7 10.7 16.1
129 11.3 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 50.950 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW012811.D
Acq: 09 Sep 2019 09:50

Tgt Ion:180 Resp: 134545
Ion Ratio Lower Upper
180 100
182 97.1 47.8 143.3
145 31.6 15.4 46.2

