

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072519\
 Data File : VW011470.D
 Acq On : 24 Jul 2019 13:07
 Operator : SY/VA
 Sample : VW0725SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 25 04:05:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	235656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	383706	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	337850	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	163793	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	127418	43.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.06%	
35) Dibromofluoromethane	7.88	113	104187	45.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.10%	
50) Toluene-d8	10.32	98	419990	45.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.86%	
62) 4-Bromofluorobenzene	12.62	95	153716	45.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	29197	16.612	ug/l	100
3) Chloromethane	2.21	50	45692	20.176	ug/l	94
4) Vinyl Chloride	2.36	62	56663	19.116	ug/l	97
5) Bromomethane	2.76	94	28319	19.013	ug/l	100
6) Chloroethane	2.92	64	30565	19.144	ug/l	99
7) Trichlorofluoromethane	3.25	101	22321	21.197	ug/l	89
8) Diethyl Ether	3.68	74	28845	19.798	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	47947	19.009	ug/l	100
10) Methyl Iodide	4.26	142	68938	19.872	ug/l	97
11) Tert butyl alcohol	5.16	59	23974	109.355	ug/l	96
12) 1,1-Dichloroethene	4.04	96	50003	19.100	ug/l	92
13) Acrolein	3.89	56	12921	74.015	ug/l	97
14) Allyl chloride	4.67	41	100171	20.983	ug/l	96
15) Acrylonitrile	5.36	53	74627	100.570	ug/l	99
16) Acetone	4.12	43	70308	98.681	ug/l	100
17) Carbon Disulfide	4.38	76	138169	17.409	ug/l	100
18) Methyl Acetate	4.67	43	52558	25.241	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	83951	21.135	ug/l	100
20) Methylene Chloride	4.92	84	56599	20.137	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	52228	19.200	ug/l	94
22) Diisopropyl ether	6.31	45	204735	19.940	ug/l	99
23) Vinyl Acetate	6.25	43	586827	92.350	ug/l	100
24) 1,1-Dichloroethane	6.21	63	106243	19.705	ug/l	99
25) 2-Butanone	7.17	43	111708	99.882	ug/l	98
26) 2,2-Dichloropropane	7.16	77	59978	21.400	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	57977	19.758	ug/l	97
28) Bromochloromethane	7.51	49	47254	19.275	ug/l	97
29) Tetrahydrofuran	7.52	42	72501	98.864	ug/l	100
30) Chloroform	7.67	83	97292	19.485	ug/l	100
31) Cyclohexane	7.95	56	104880	18.285	ug/l	92
32) 1,1,1-Trichloroethane	7.87	97	72923	19.199	ug/l	99
36) 1,1-Dichloropropene	8.08	75	77714	19.019	ug/l	99
37) Ethyl Acetate	7.25	43	48560	19.780	ug/l	99
38) Carbon Tetrachloride	8.07	117	65695	18.966	ug/l	100

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 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 25 04:05:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	93790	18.938	ug/l	99
40) Benzene	8.32	78	224922	19.918	ug/l	100
41) Methacrylonitrile	7.48	41	25989	18.509	ug/l	97
42) 1,2-Dichloroethane	8.40	62	70496	19.244	ug/l	98
43) Isopropyl Acetate	8.42	43	89670	19.346	ug/l	99
44) Trichloroethene	9.09	130	53714	19.767	ug/l	98
45) 1,2-Dichloropropane	9.37	63	60503	19.786	ug/l	100
46) Dibromomethane	9.46	93	28064	19.537	ug/l	97
47) Bromodichloromethane	9.64	83	70057	19.061	ug/l	99
48) Methyl methacrylate	9.43	41	42984	19.276	ug/l	97
49) 1,4-Dioxane	9.45	88	9712	405.051	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	237036	97.898	ug/l	100
52) Toluene	10.38	92	136478	19.923	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	73692	18.836	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	87606	19.024	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	41226	20.230	ug/l	98
56) Ethyl methacrylate	10.65	69	60701	19.565	ug/l	97
57) 1,3-Dichloropropane	10.93	76	76110	19.750	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	153147	106.473	ug/l	99
59) 2-Hexanone	10.97	43	162599	96.835	ug/l	100
60) Dibromochloromethane	11.13	129	43479	19.457	ug/l	100
61) 1,2-Dibromoethane	11.24	107	38015	19.694	ug/l	99
64) Tetrachloroethene	10.86	164	46191	20.261	ug/l	99
65) Chlorobenzene	11.66	112	138496	20.163	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	48348	19.991	ug/l	98
67) Ethyl Benzene	11.73	91	263535	20.041	ug/l	100
68) m/p-Xylenes	11.84	106	190046	39.942	ug/l	100
69) o-Xylene	12.16	106	89690	20.000	ug/l	100
70) Styrene	12.18	104	155866	20.139	ug/l	99
71) Bromoform	12.35	173	24624	19.149	ug/l #	100
73) Isopropylbenzene	12.46	105	250281	20.441	ug/l	100
74) N-amyl acetate	12.27	43	81991	19.227	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	49695	19.800	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	63843	33.729	ug/l #	100
77) Bromobenzene	12.75	156	55893	20.341	ug/l	97
78) n-propylbenzene	12.80	91	301502	19.989	ug/l	99
79) 2-Chlorotoluene	12.89	91	174358	20.088	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	211425	20.325	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	15221	18.188	ug/l	97
82) 4-Chlorotoluene	12.99	91	184115	20.366	ug/l	100
83) tert-Butylbenzene	13.21	119	179231	20.660	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	210003	20.106	ug/l	100
85) sec-Butylbenzene	13.38	105	251607	20.100	ug/l	100
86) p-Isopropyltoluene	13.50	119	225699	20.102	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	107673	20.367	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	107175	20.132	ug/l	98
89) n-Butylbenzene	13.82	91	219037	19.556	ug/l	99
90) Hexachloroethane	14.09	117	38917	18.968	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	96351	20.089	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8265	18.565	ug/l	97

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ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Jul 25 04:05:51 2019
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Quant Title : SW846 8260
QLast Update : Thu Jul 11 08:14:17 2019
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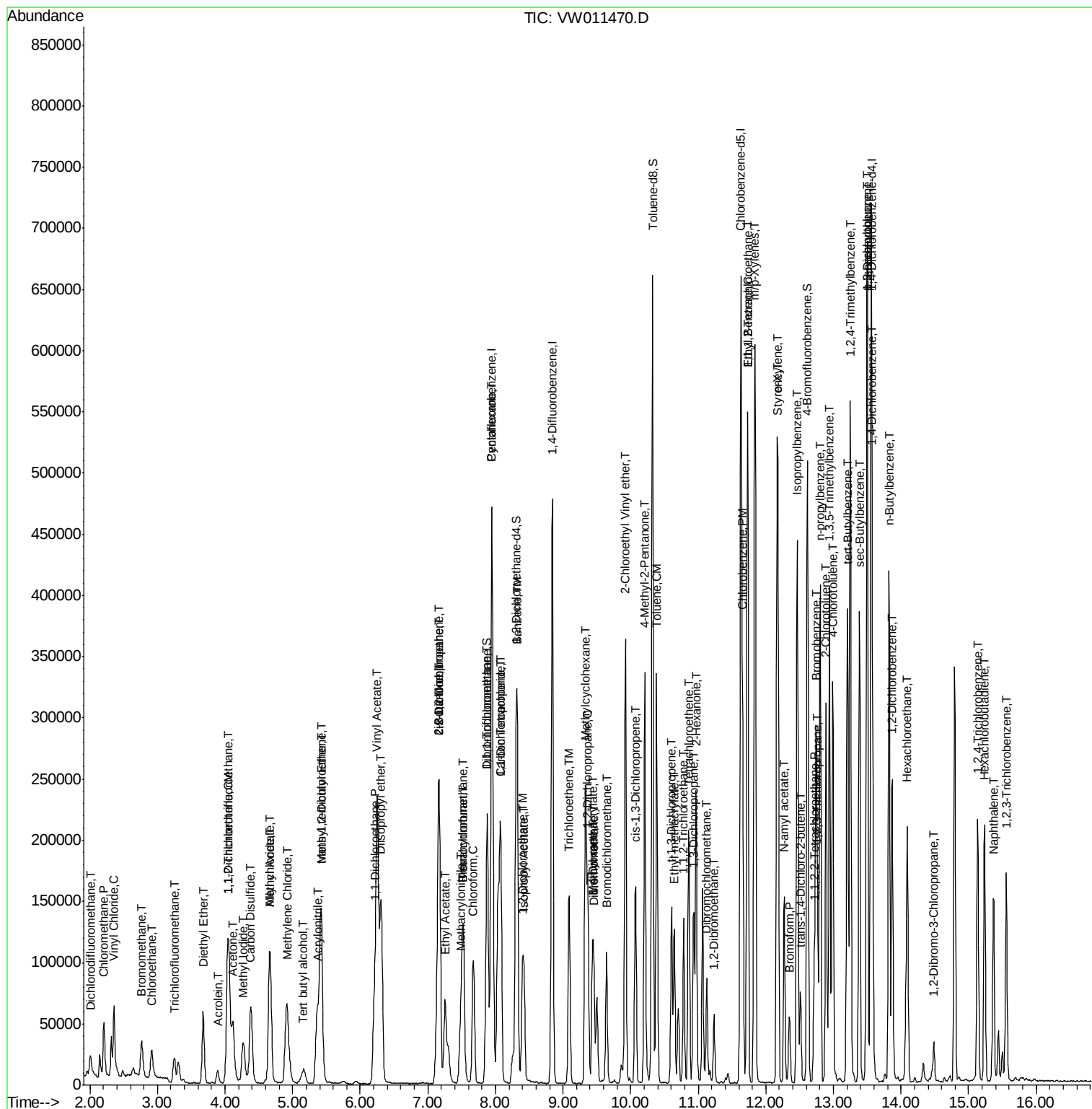
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	65999	19.978	ug/l	99
94) Hexachlorobutadiene	15.24	225	41277	20.352	ug/l	99
95) Naphthalene	15.36	128	126729	20.019	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	58597	20.098	ug/l	98

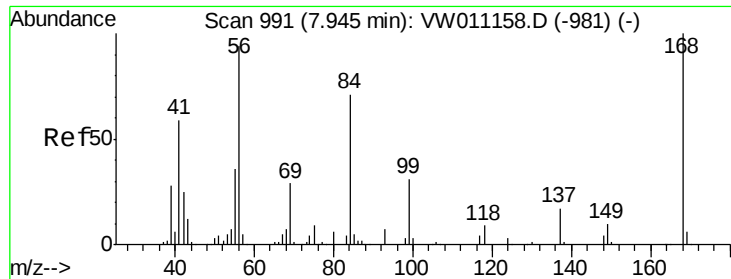
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW072519\
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Acq On : 24 Jul 2019 13:07
Operator : SY/VA
Sample : VW0725SBS01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :

Quant Time: Jul 25 04:05:51 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
Quant Title : SW846 8260
QLast Update : Thu Jul 11 08:14:17 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011470.D

Acq: 24 Jul 2019 13:07

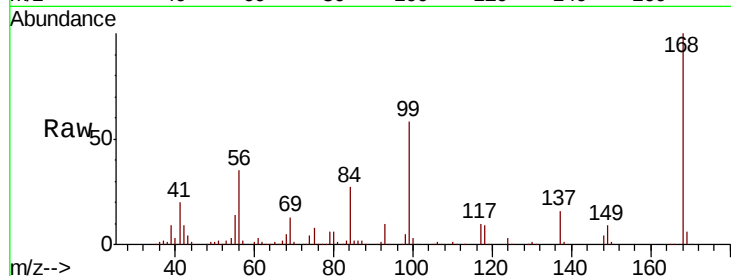
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 235656

Ion Ratio Lower Upper

168 100

99 58.1 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

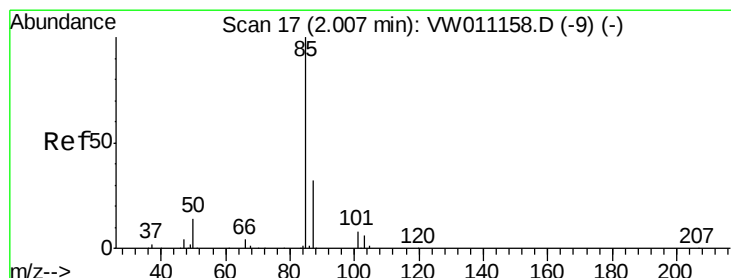
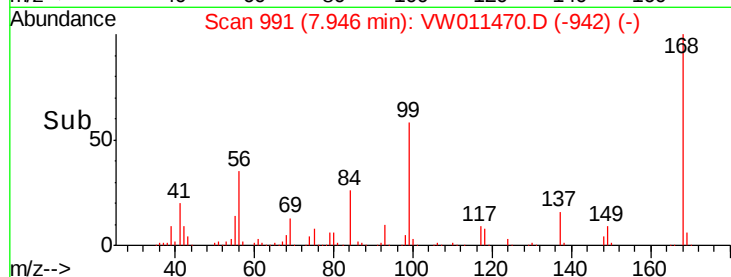
40000

20000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 16.612 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011470.D

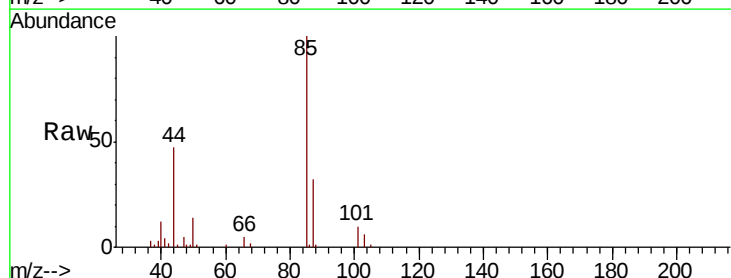
Acq: 24 Jul 2019 13:07

Tgt Ion: 85 Resp: 29197

Ion Ratio Lower Upper

85 100

87 31.9 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

6000

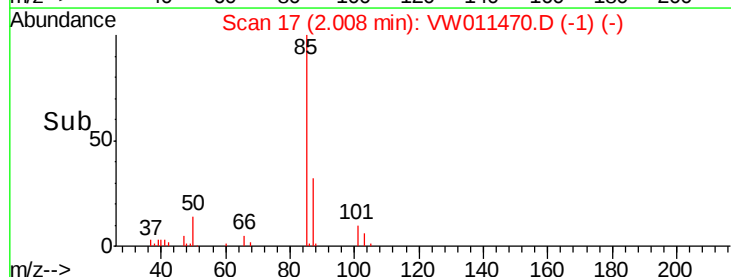
4000

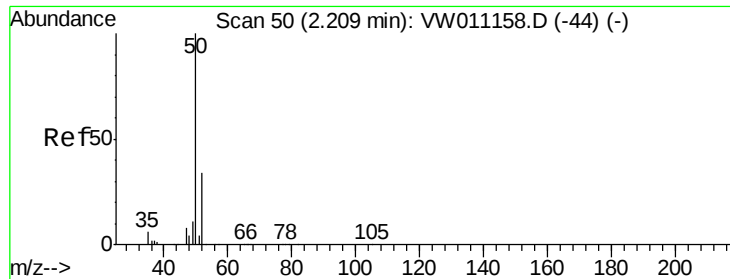
2000

0

Time-->

1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 20.176 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011470.D

Acq: 24 Jul 2019 13:07

Instrument :

MSVOA_W

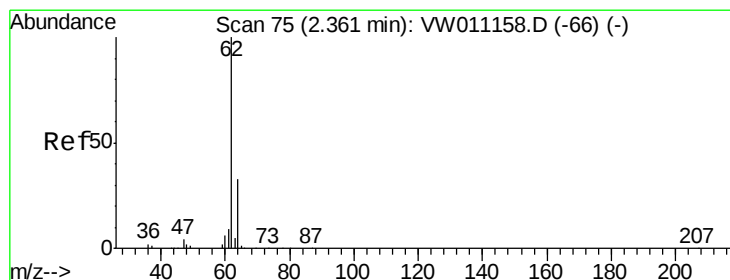
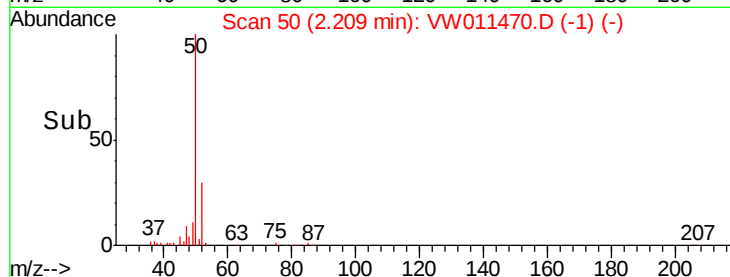
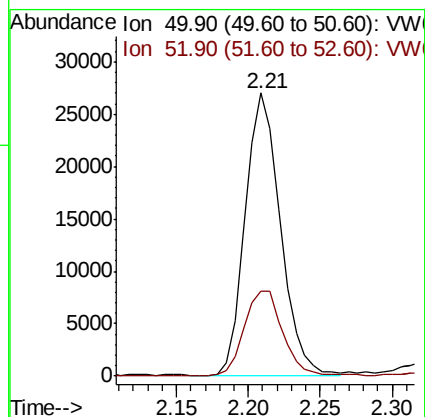
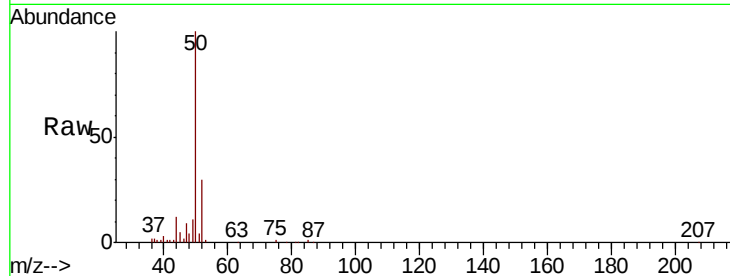
ClientSampled :

Tot Ion: 50 Resp: 45692

Ion Ratio Lower Upper

50 100

52 30.2 26.9 40.3



#4

Vinyl Chloride

Concen: 19.116 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011470.D

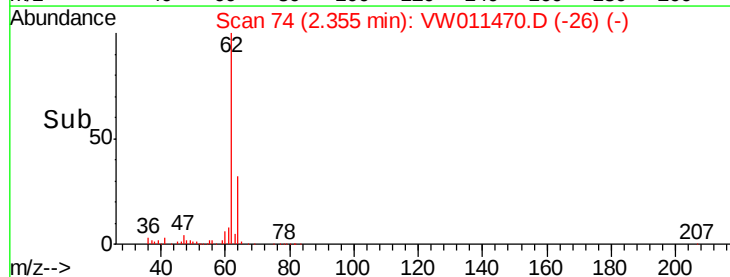
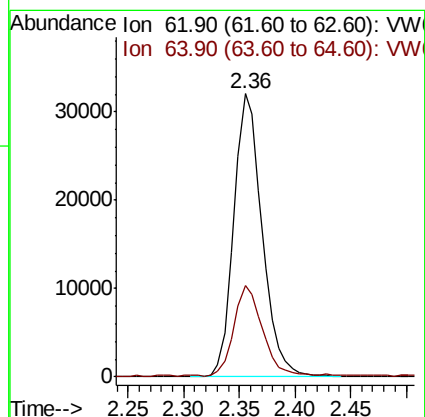
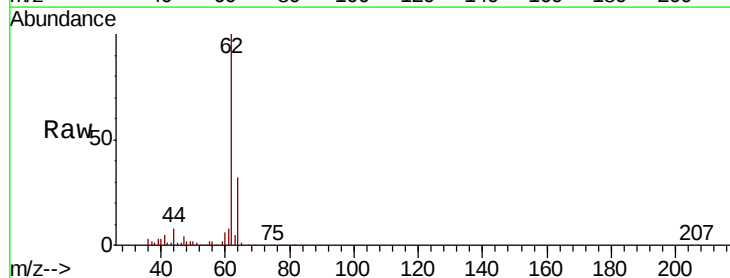
Acq: 24 Jul 2019 13:07

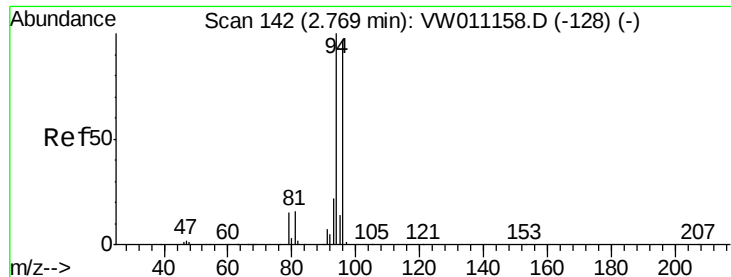
Tgt Ion: 62 Resp: 56663

Ion Ratio Lower Upper

62 100

64 31.5 26.6 40.0





#5

Bromomethane

Concen: 19.013 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW011470.D

Acq: 24 Jul 2019 13:07

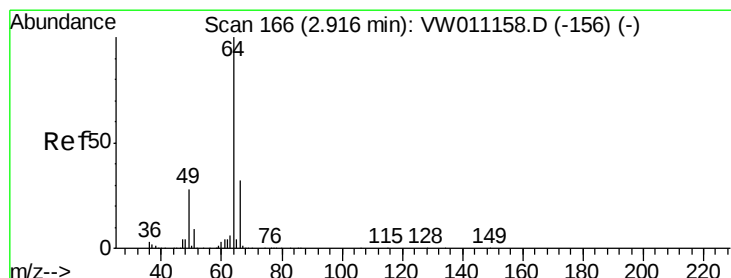
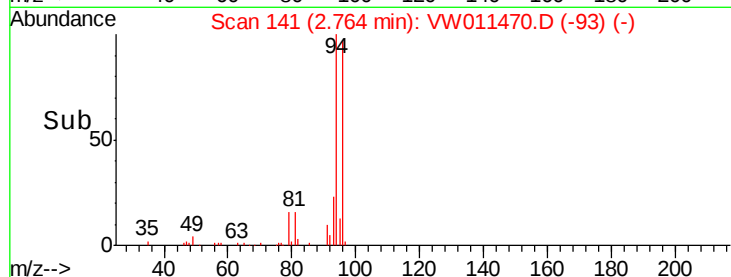
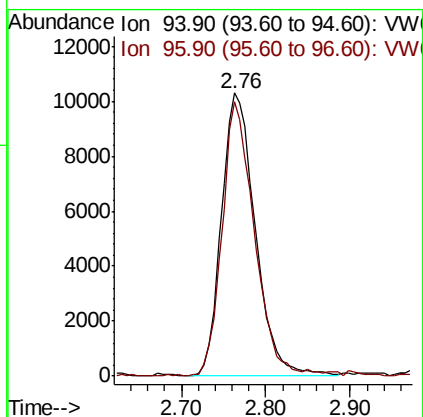
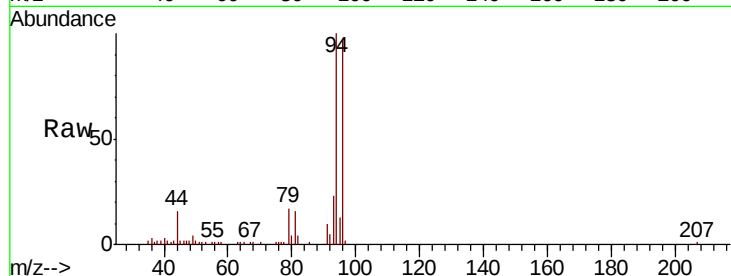
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 94 Resp: 28319

Ion Ratio Lower Upper

94 100

96 97.1 77.4 116.0



#6

Chloroethane

Concen: 19.144 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW011470.D

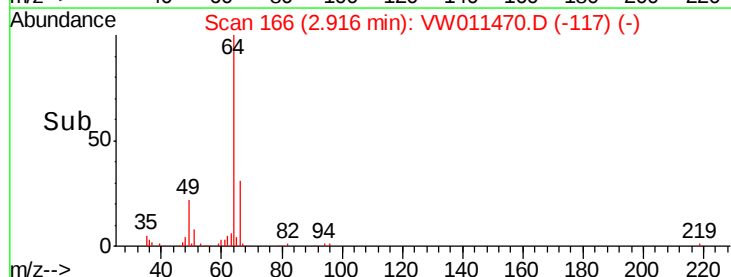
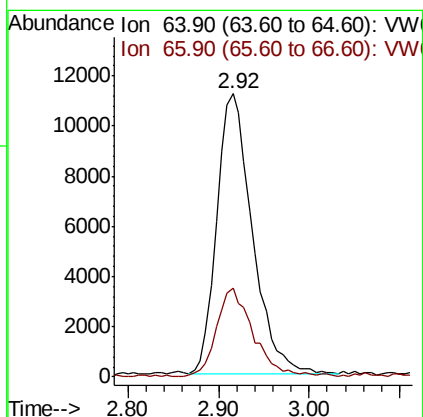
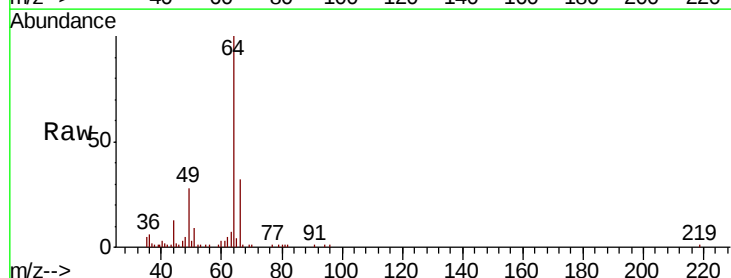
Acq: 24 Jul 2019 13:07

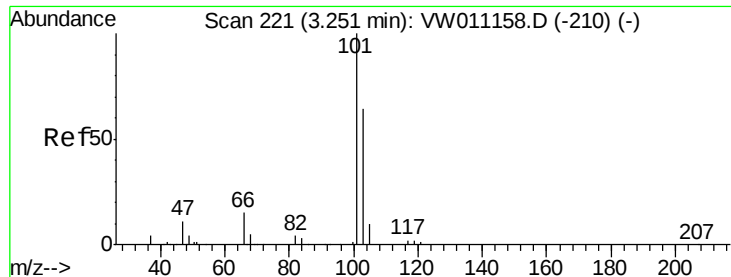
Tgt Ion: 64 Resp: 30565

Ion Ratio Lower Upper

64 100

66 31.9 25.8 38.8



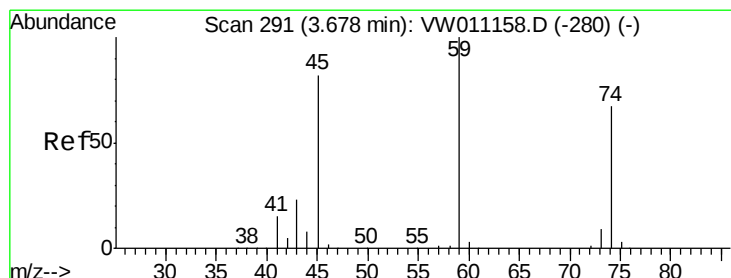
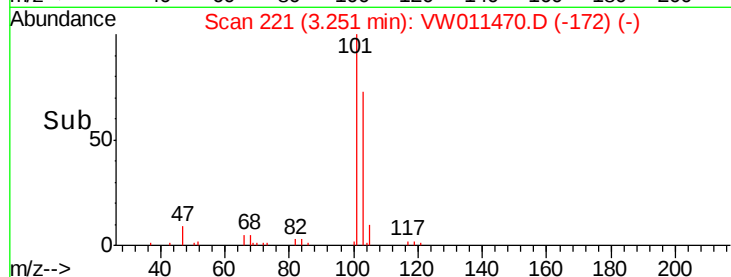
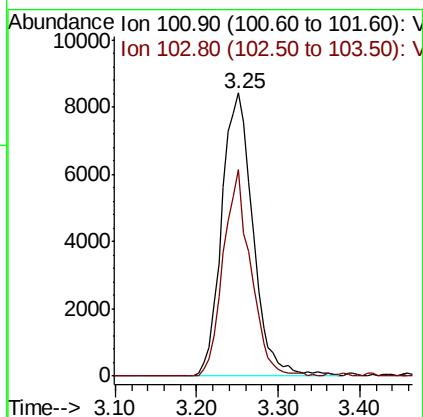
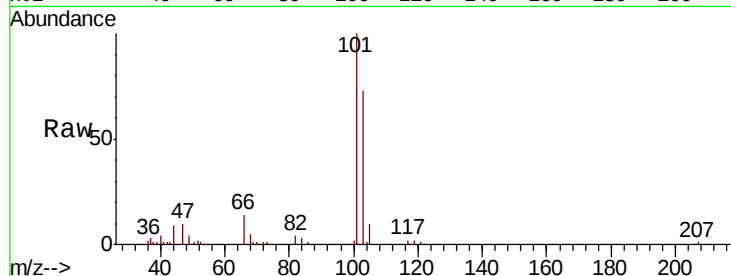


#7

Trichlorofluoromethane
Concen: 21.197 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW011470.D
Acq: 24 Jul 2019 13:07

Instrument :
MSVOA_W
ClientSampleId :

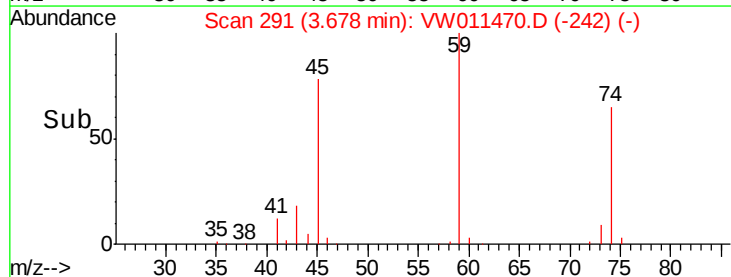
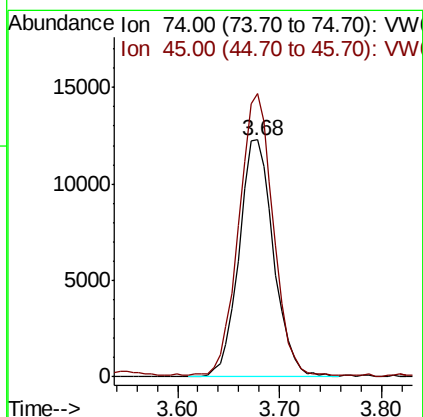
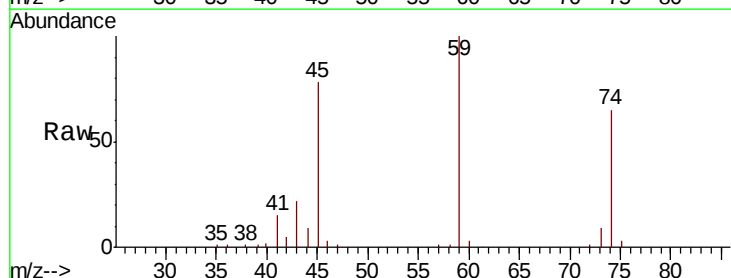
Tot Ion:101 Resp: 22321
Ion Ratio Lower Upper
101 100
103 72.8 51.3 76.9

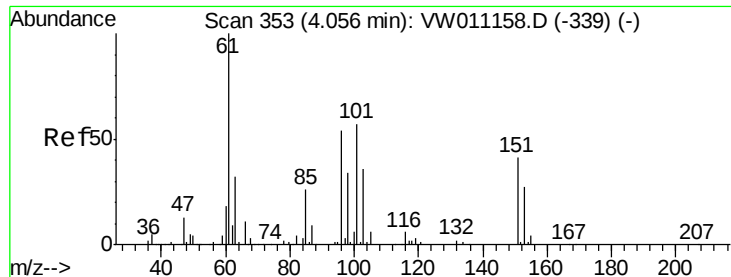


#8

Diethyl Ether
Concen: 19.798 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW011470.D
Acq: 24 Jul 2019 13:07

Tgt Ion: 74 Resp: 28845
Ion Ratio Lower Upper
74 100
45 118.6 59.9 179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.009 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW011470.D

Acq: 24 Jul 2019 13:07

Instrument :

MSVOA_W

ClientSampled :

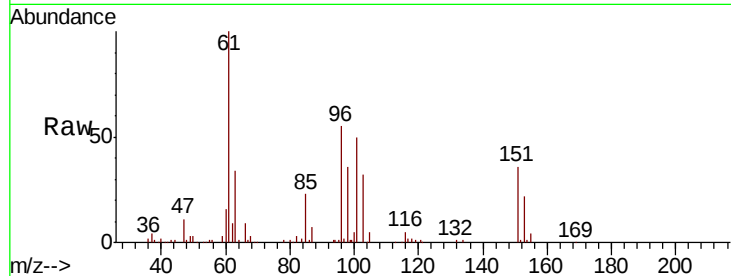
Tot Ion:101 Resp: 47947

Ion Ratio Lower Upper

101 100

85 45.3 36.5 54.7

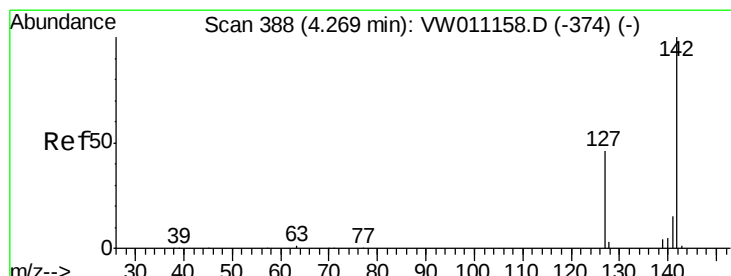
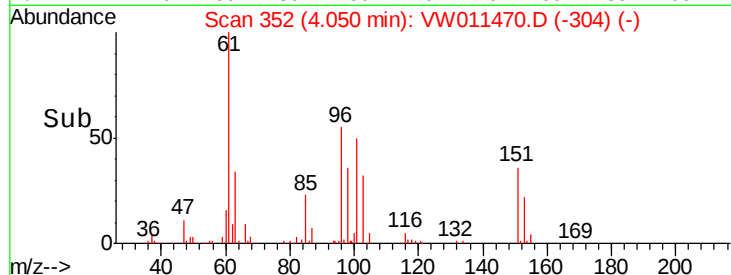
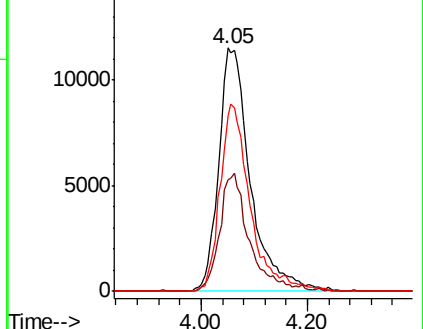
151 73.7 59.1 88.7



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: 19.872 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW011470.D

Acq: 24 Jul 2019 13:07

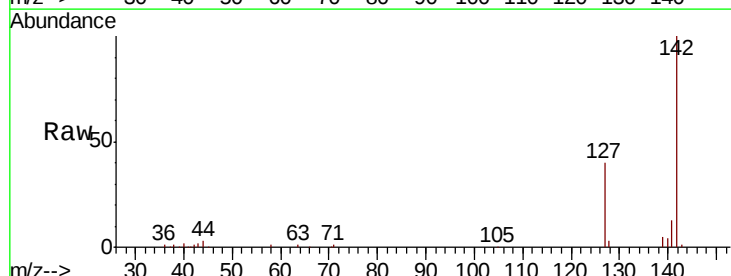
Tgt Ion:142 Resp: 68938

Ion Ratio Lower Upper

142 100

127 41.8 35.7 53.5

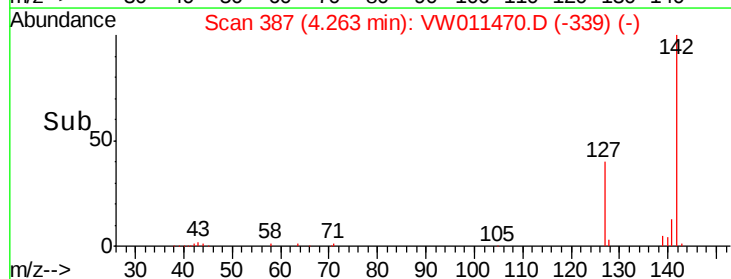
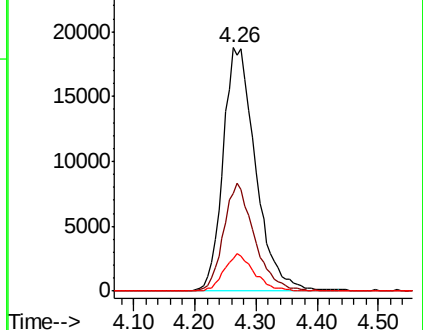
141 14.2 11.5 17.3

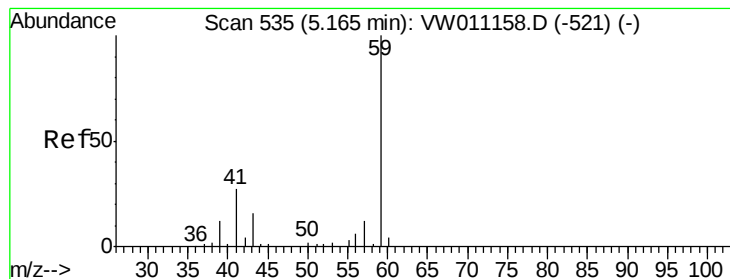


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



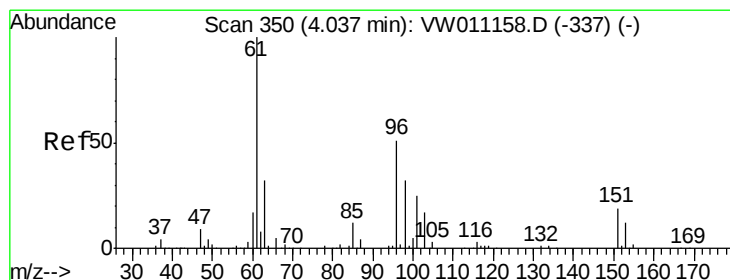
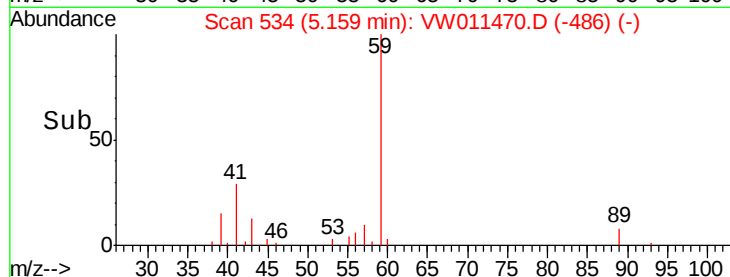
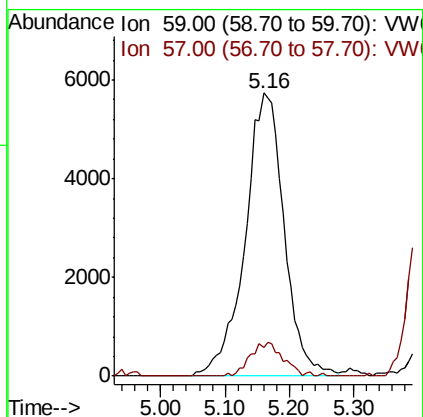
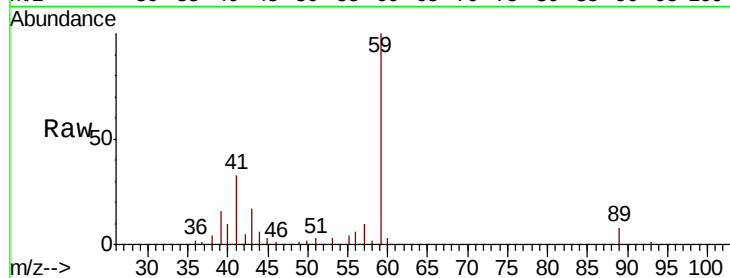


#11

Tert butyl alcohol
 Concen: 109.355 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VW011470.D
 Acq: 24 Jul 2019 13:07

Instrument :
 MSVOA_W
 ClientSampleId :

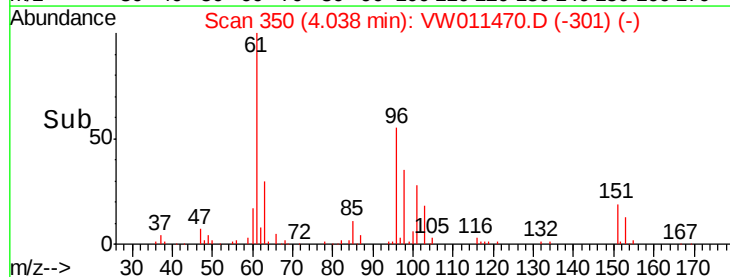
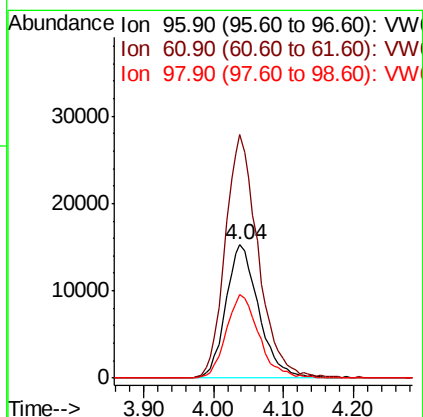
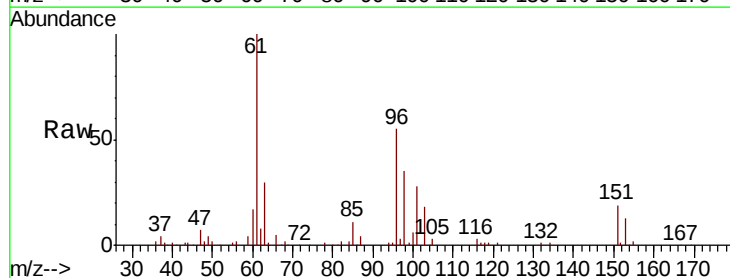
Tot Ion: 59 Resp: 23974
 Ion Ratio Lower Upper
 59 100
 57 9.9 9.0 13.6

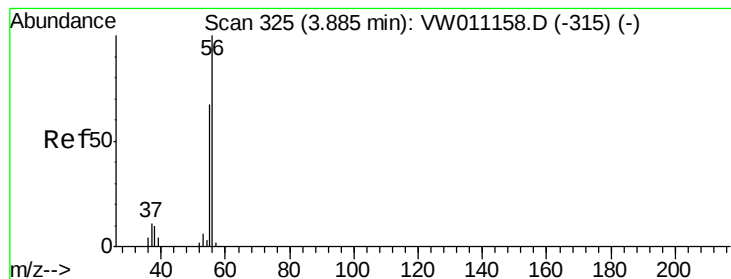


#12

1,1-Dichloroethene
 Concen: 19.100 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW011470.D
 Acq: 24 Jul 2019 13:07

Tgt Ion: 96 Resp: 50003
 Ion Ratio Lower Upper
 96 100
 61 182.3 157.7 236.5
 98 63.1 50.9 76.3





#13

Acrolein

Concen: 74.015 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW011470.D

Acq: 24 Jul 2019 13:07

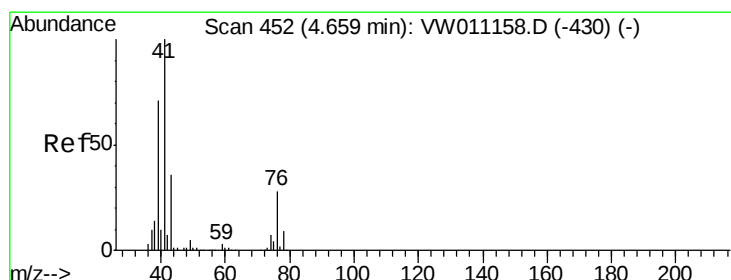
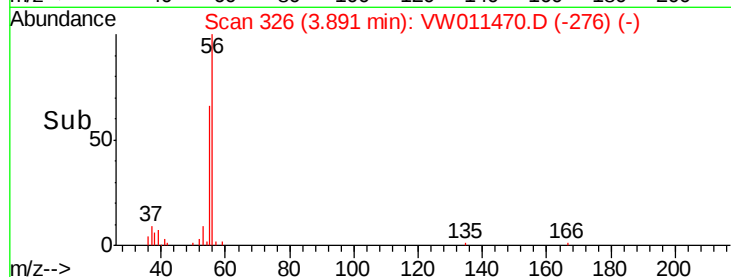
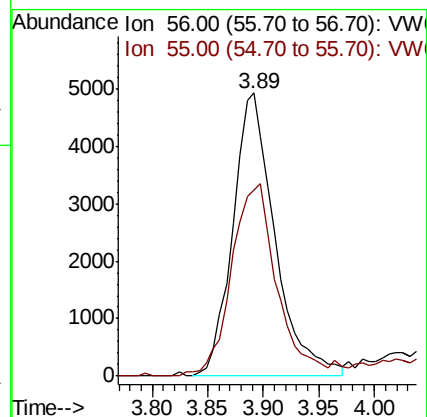
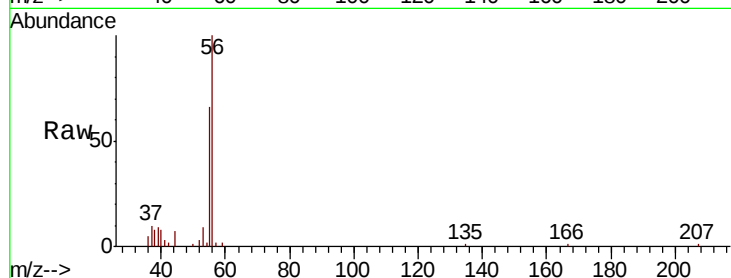
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 12921

Ion Ratio Lower Upper

56 100

55 72.6 56.4 84.6



#14

Allyl chloride

Concen: 20.983 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW011470.D

Acq: 24 Jul 2019 13:07

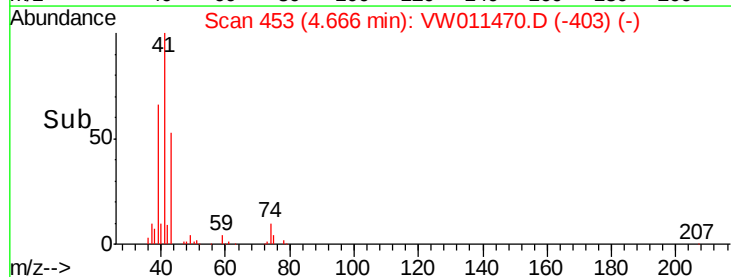
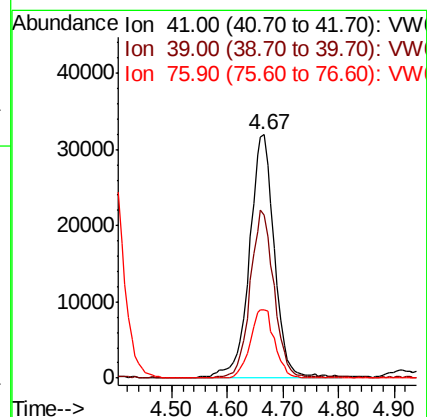
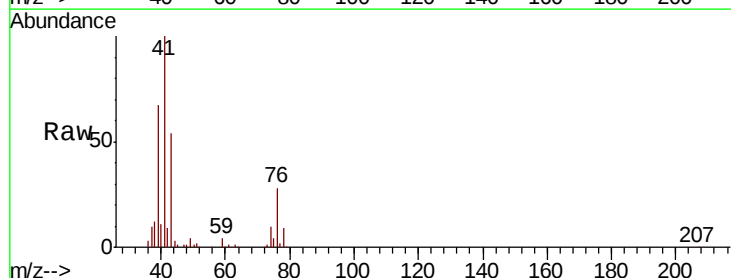
Tgt Ion: 41 Resp: 100171

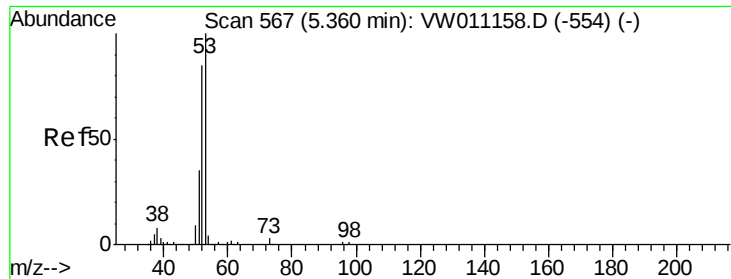
Ion Ratio Lower Upper

41 100

39 64.8 55.1 82.7

76 27.4 22.5 33.7





#15

Acrylonitrile

Concen: 100.570 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011470.D

Acq: 24 Jul 2019 13:07

Instrument :

MSVOA_W

ClientSampled :

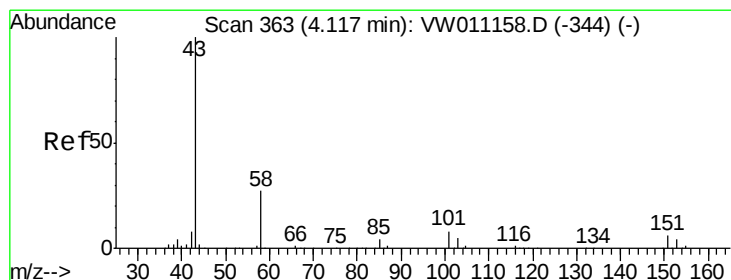
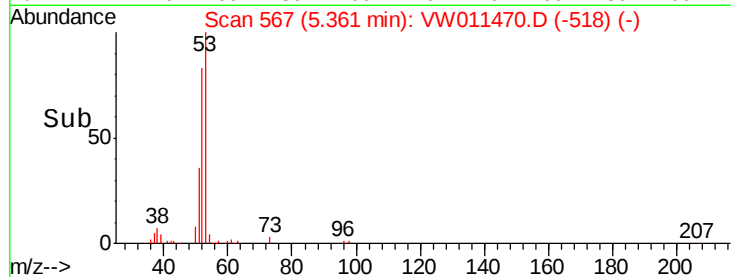
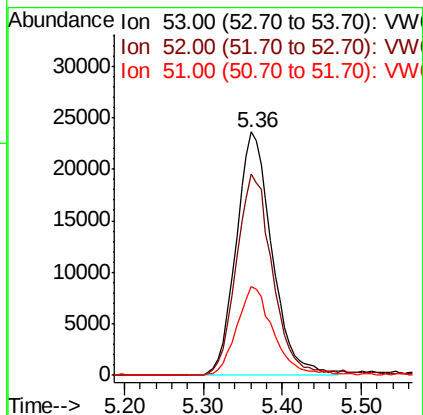
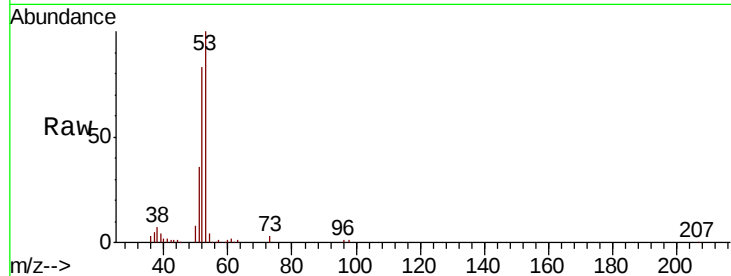
Tot Ion: 53 Resp: 74627

Ion Ratio Lower Upper

53 100

52 83.1 66.2 99.4

51 37.3 29.1 43.7



#16

Acetone

Concen: 98.681 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011470.D

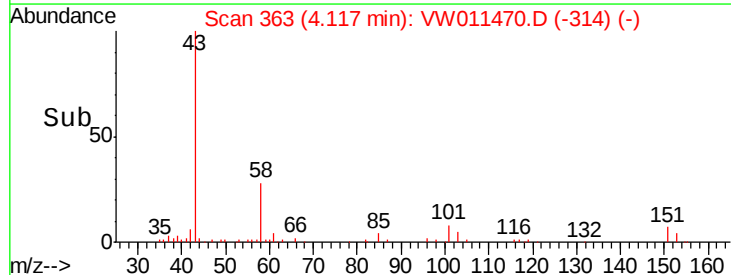
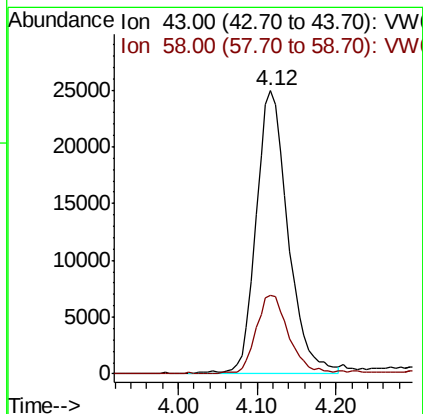
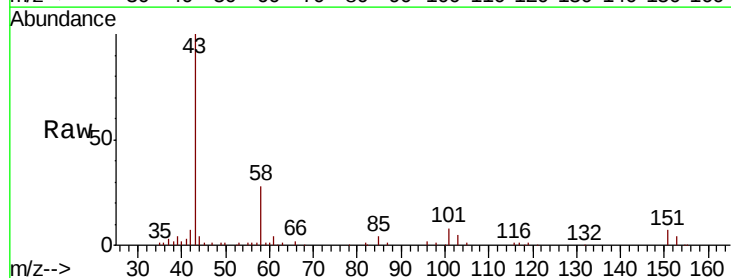
Acq: 24 Jul 2019 13:07

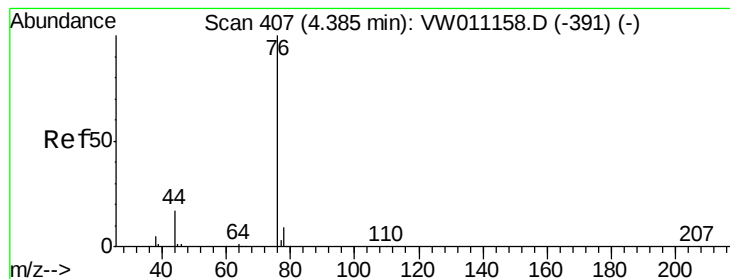
Tgt Ion: 43 Resp: 70308

Ion Ratio Lower Upper

43 100

58 27.3 21.8 32.6





#17

Carbon Disulfide

Concen: 17.409 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011470.D

Acq: 24 Jul 2019 13:07

Instrument :

MSVOA_W

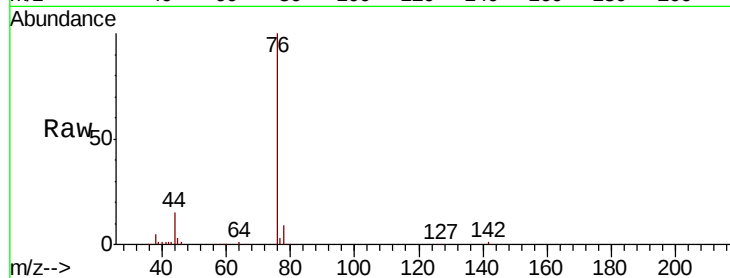
ClientSampled :

Tot Ion: 76 Resp: 138169

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

50000

40000

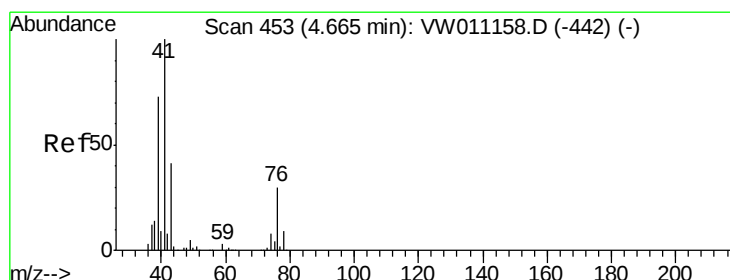
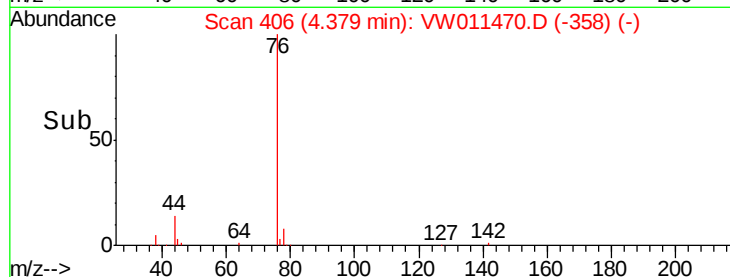
30000

20000

10000

0

Time--> 4.20 4.30 4.40 4.50



#18

Methyl Acetate

Concen: 25.241 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW011470.D

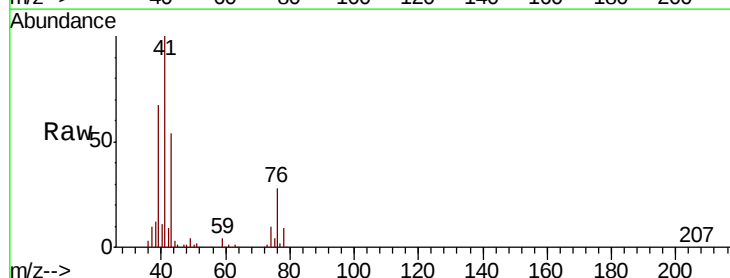
Acq: 24 Jul 2019 13:07

Tgt Ion: 43 Resp: 52558

Ion Ratio Lower Upper

43 100

74 19.9 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

20000

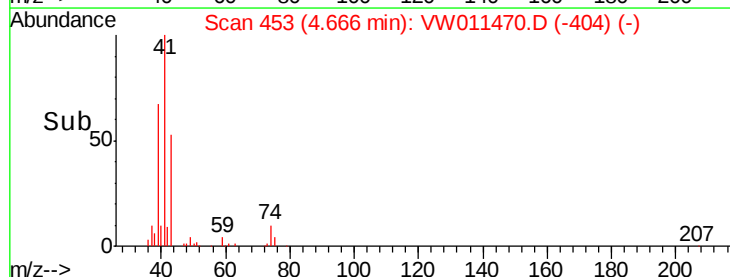
15000

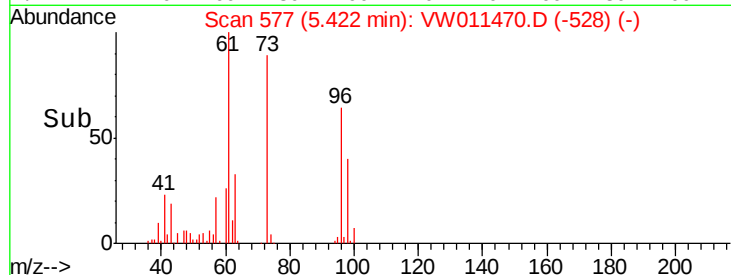
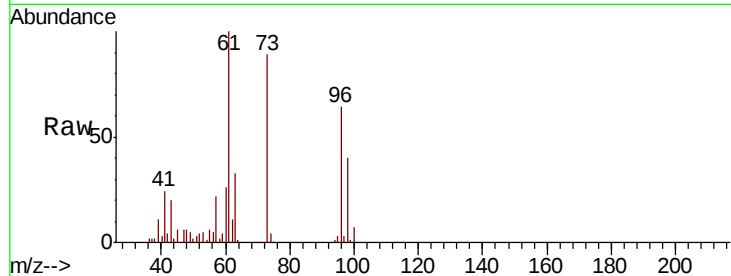
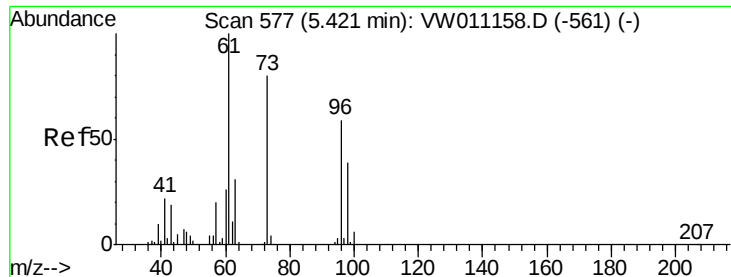
10000

5000

0

Time--> 4.60 4.70 4.80

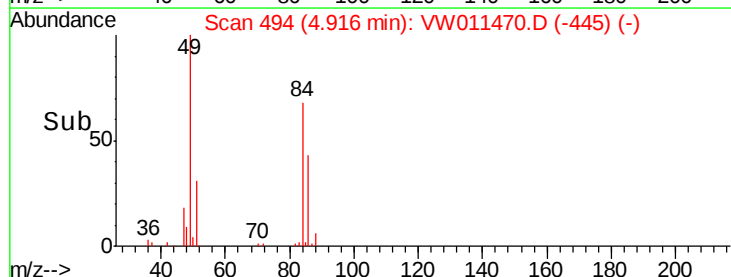
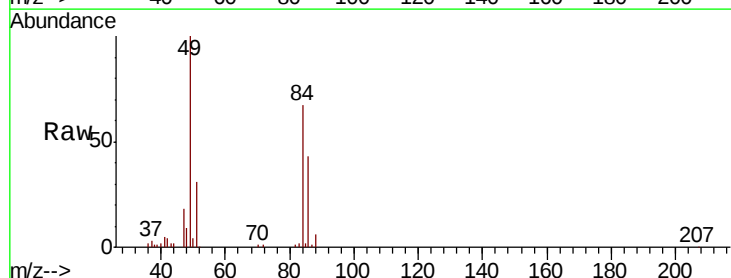
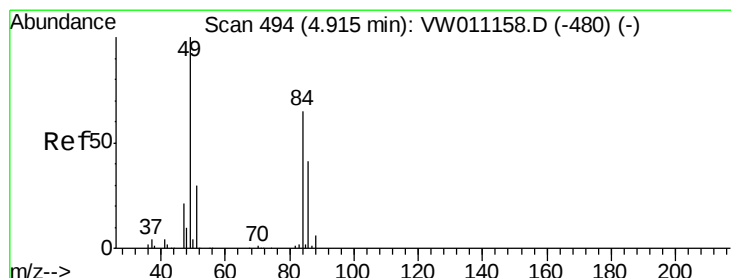
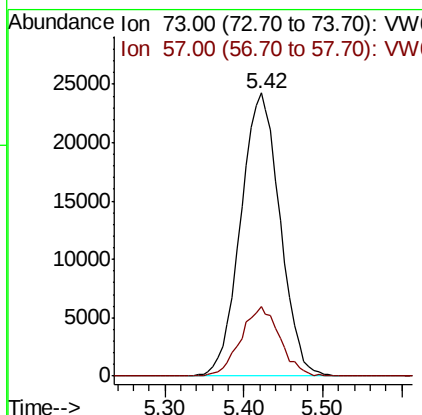




#19
Methvl tert-butvl Ether
Concen: 21.135 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011470.D
Acq: 24 Jul 2019 13:07

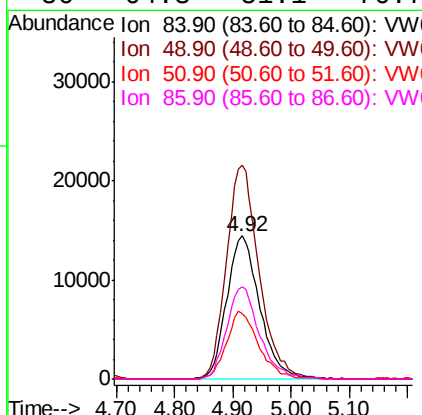
Instrument :
MSVOA_W
ClientSampleId :

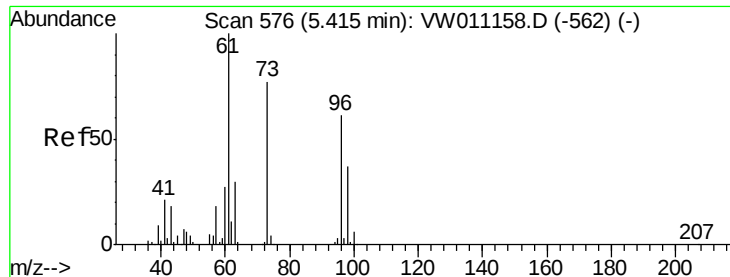
Tot Ion: 73 Resp: 83951
Ion Ratio Lower Upper
73 100
57 24.7 19.7 29.5



#20
Methylene Chloride
Concen: 20.137 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW011470.D
Acq: 24 Jul 2019 13:07

Tgt Ion: 84 Resp: 56599
Ion Ratio Lower Upper
84 100
49 149.1 123.8 185.6
51 46.0 37.4 56.2
86 64.3 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 19.200 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW011470.D

Acq: 24 Jul 2019 13:07

Instrument :

MSVOA_W

ClientSampled :

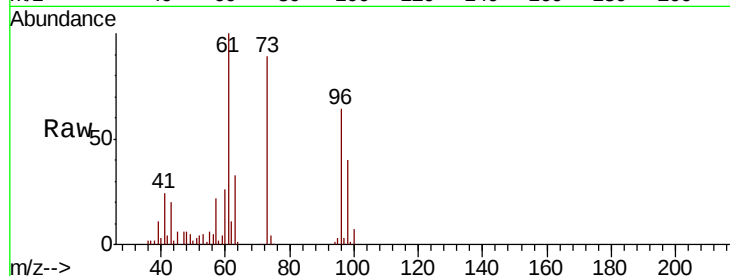
Tot Ion: 96 Resp: 52228

Ion Ratio Lower Upper

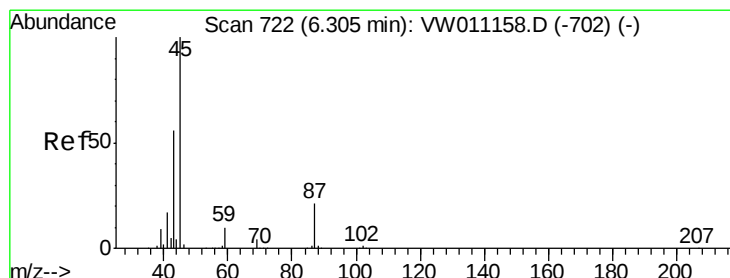
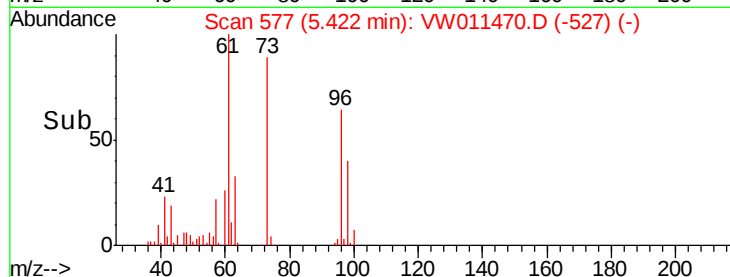
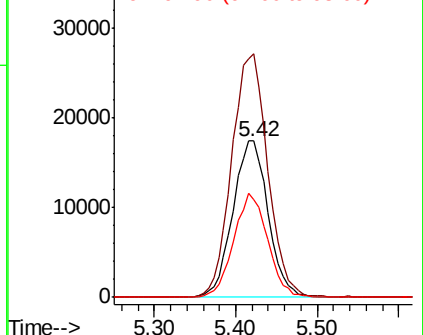
96 100

61 155.6 132.2 198.2

98 62.7 49.4 74.0



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



#22

Diisopropyl ether

Concen: 19.940 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW011470.D

Acq: 24 Jul 2019 13:07

Tgt Ion: 45 Resp: 204735

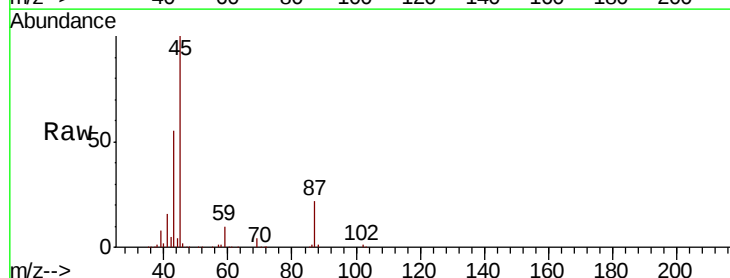
Ion Ratio Lower Upper

45 100

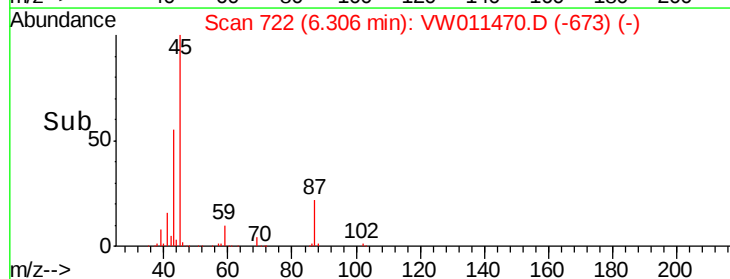
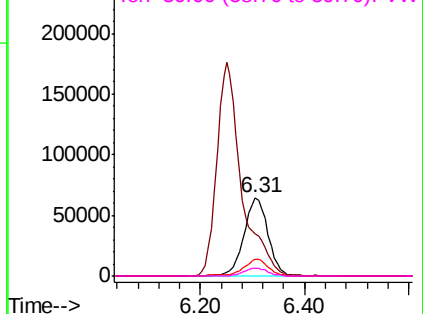
43 54.6 44.6 66.8

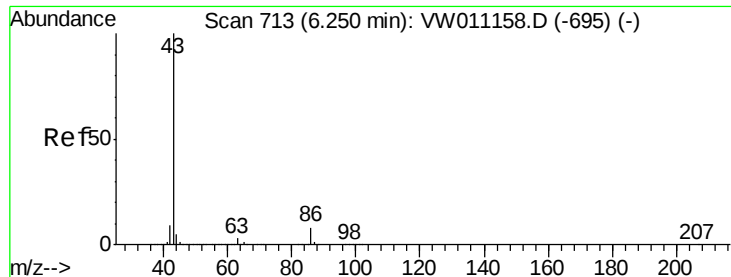
87 21.6 17.3 25.9

59 10.0 8.2 12.2



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 92.350 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW011470.D

Acq: 24 Jul 2019 13:07

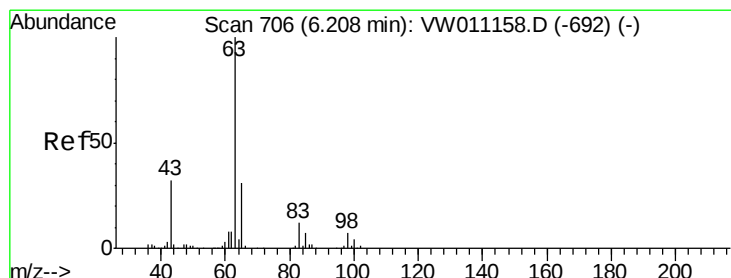
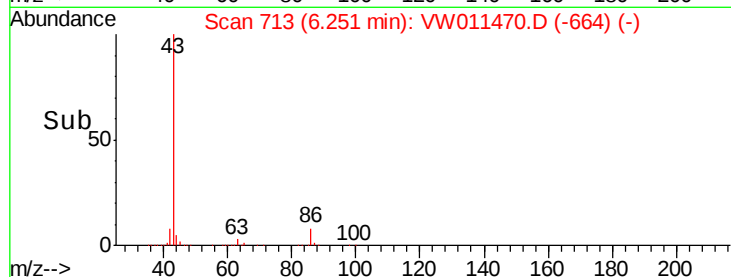
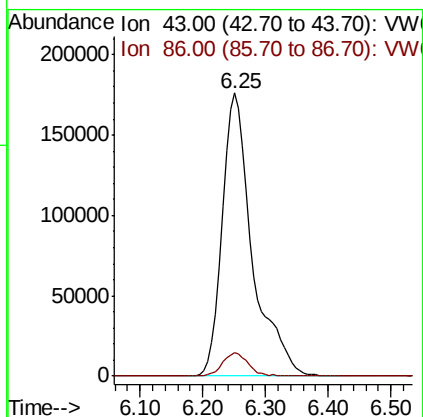
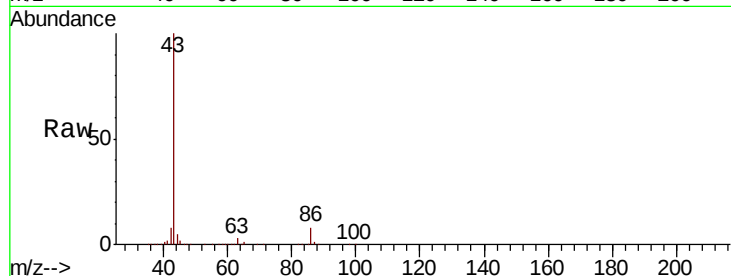
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 586827

Ion Ratio Lower Upper

43 100

86 8.3 6.5 9.7



#24

1,1-Dichloroethane

Concen: 19.705 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.01 min

Lab File: VW011470.D

Acq: 24 Jul 2019 13:07

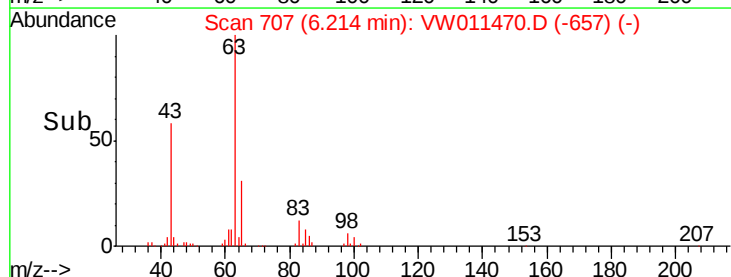
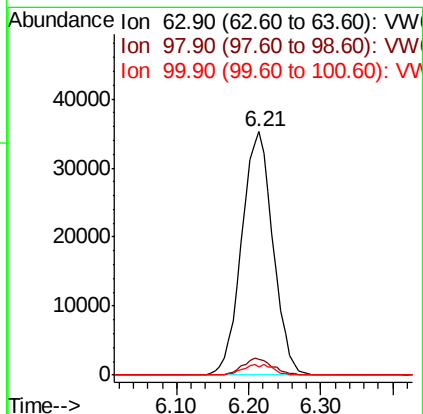
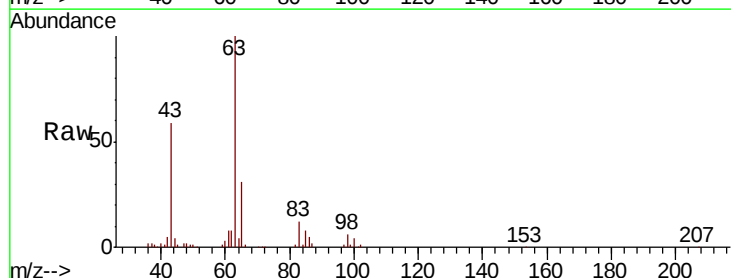
Tgt Ion: 63 Resp: 106243

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.9

100 3.5 2.1 6.2

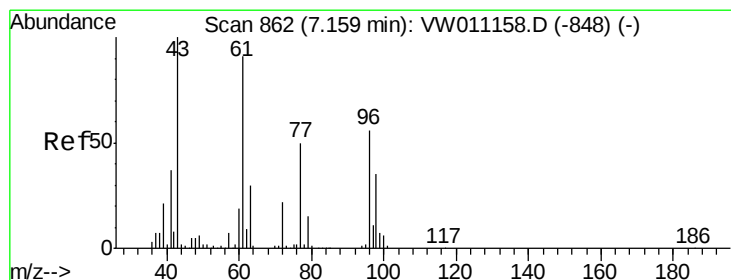
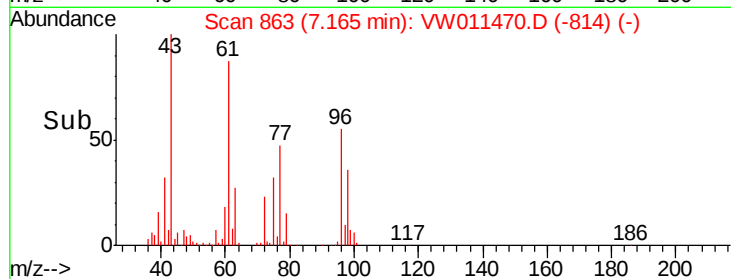
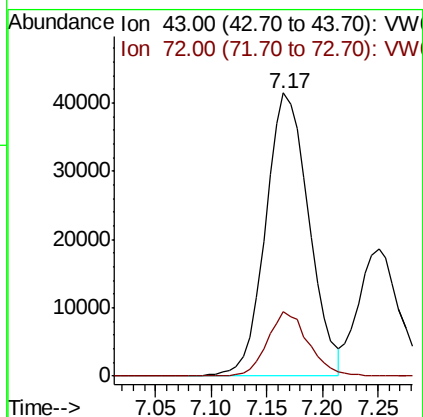
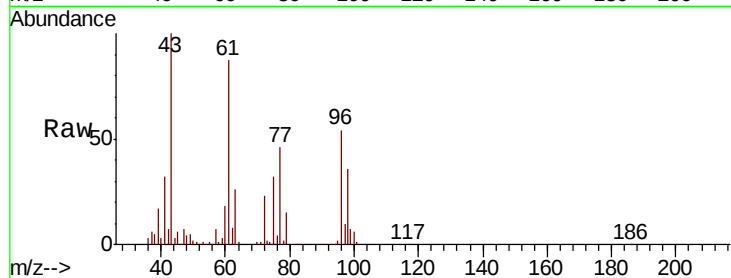




#25
2-Butanone
Concen: 99.882 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011470.D
Acq: 24 Jul 2019 13:07

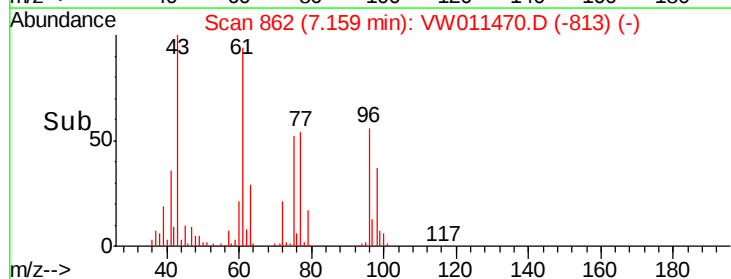
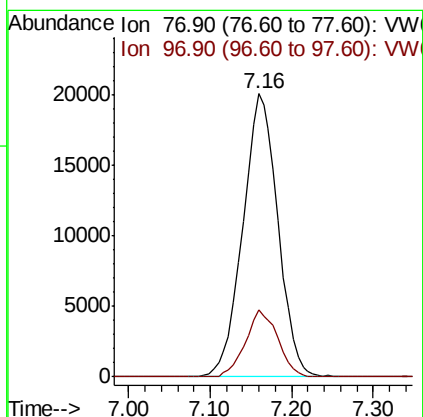
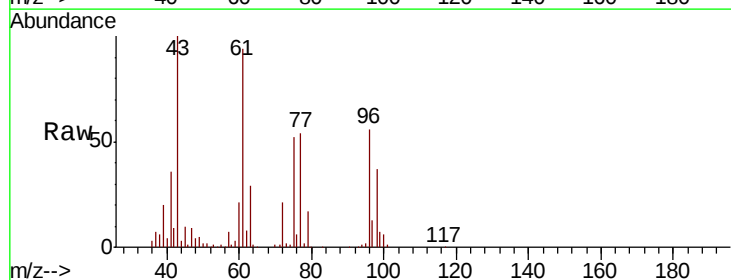
Instrument :
MSVOA_W
ClientSampled :

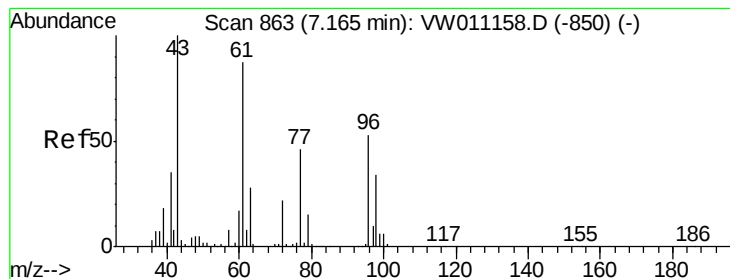
Tot Ion: 43 Resp: 111708
Ion Ratio Lower Upper
43 100
72 22.7 17.6 26.4



#26
2,2-Dichloropropane
Concen: 21.400 ug/l
RT: 7.16 min Scan# 862
Delta R.T. 0.00 min
Lab File: VW011470.D
Acq: 24 Jul 2019 13:07

Tgt Ion: 77 Resp: 59978
Ion Ratio Lower Upper
77 100
97 21.7 11.2 33.5



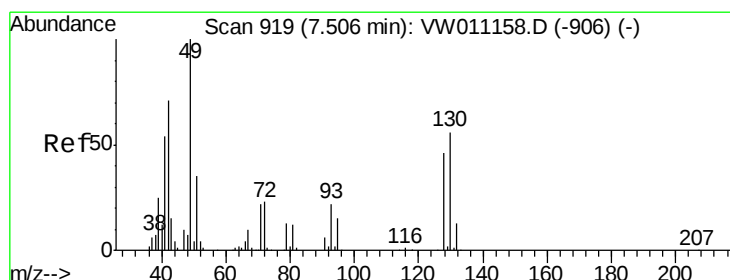
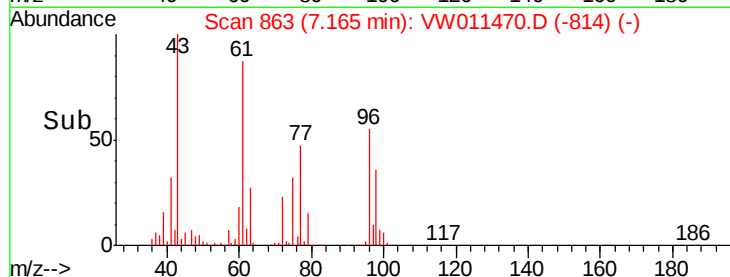
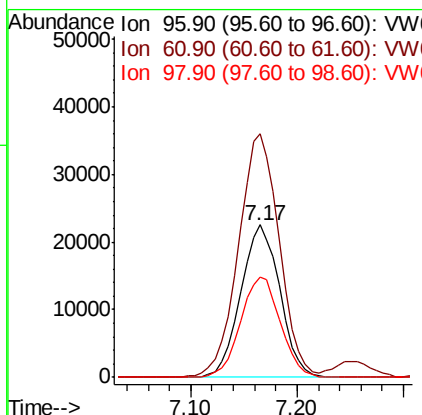
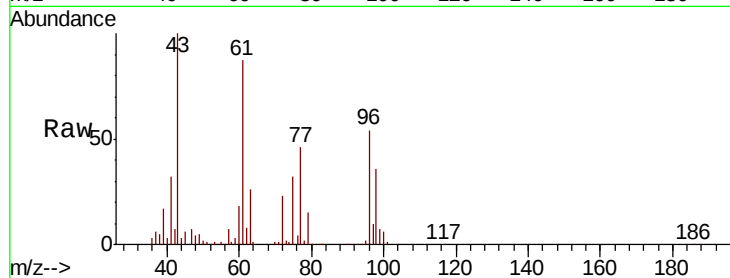


#27

cis-1,2-Dichloroethene
Concen: 19.758 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011470.D
Acq: 24 Jul 2019 13:07

Instrument :
MSVOA_W
ClientSampled :

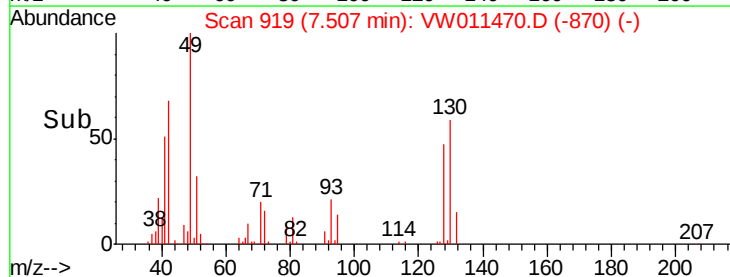
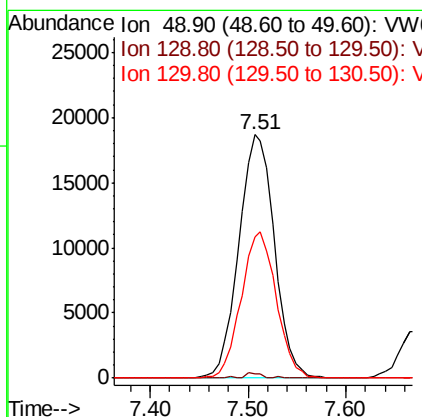
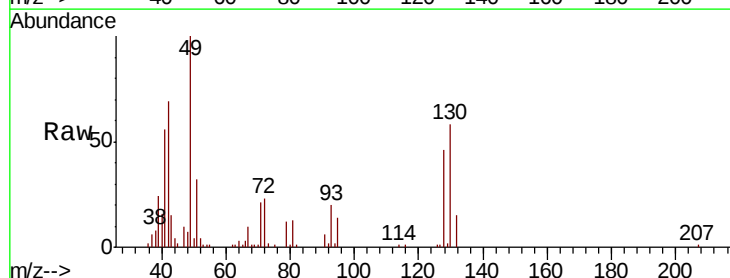
Tot Ion	96	Resp	57977
Ion	Ratio	Lower	Upper
96	100		
61	167.0	0.0	325.6
98	67.2	0.0	128.2

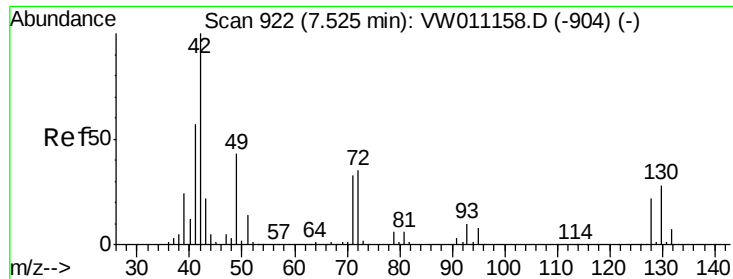


#28

Bromochloromethane
Concen: 19.275 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW011470.D
Acq: 24 Jul 2019 13:07

Tgt Ion	49	Resp	47254
Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	1.4
130	59.3	45.8	68.8

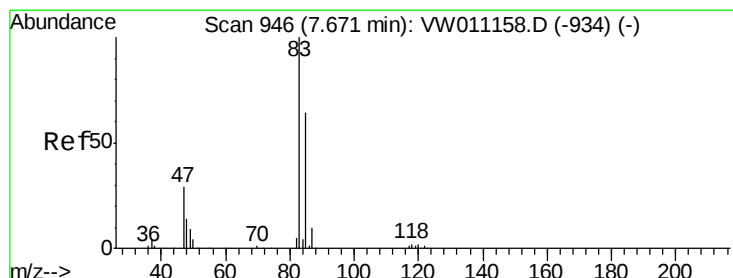
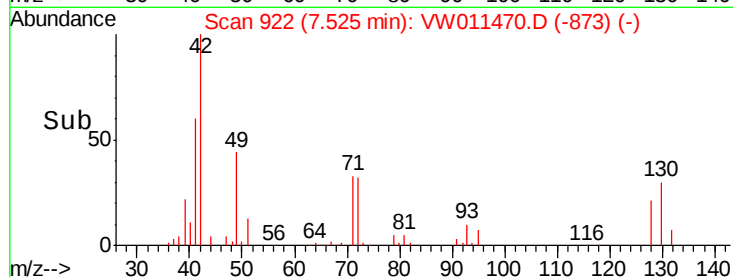
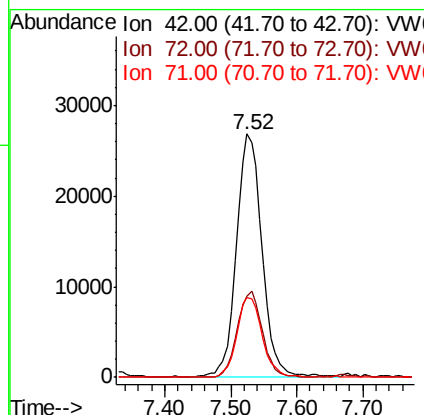
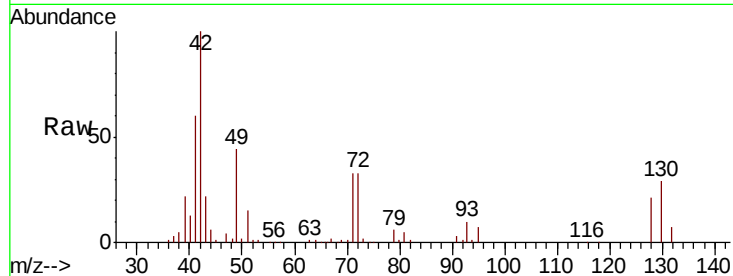




#29
Tetrahydrofuran
Concen: 98.864 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW011470.D
Acq: 24 Jul 2019 13:07

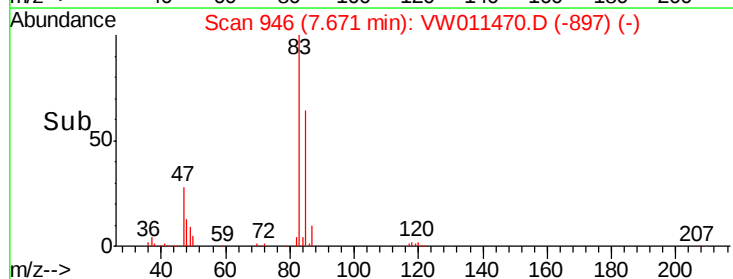
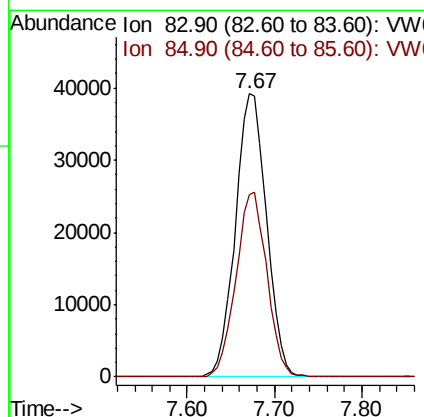
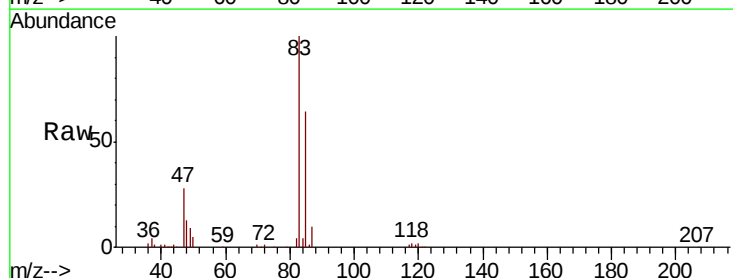
Instrument :
MSVOA_W
ClientSampleId :

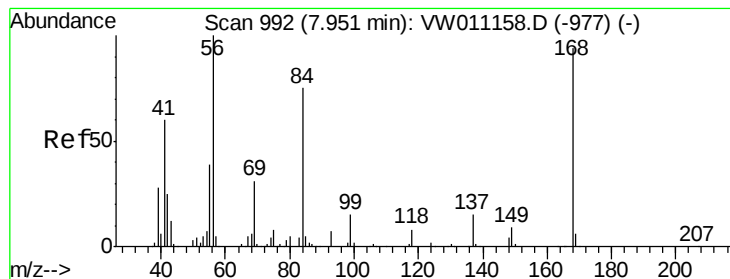
Tot Ion	Ratio	Lower	Upper
42	100		
72	34.4	27.4	41.2
71	32.3	25.9	38.9



#30
Chloroform
Concen: 19.485 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011470.D
Acq: 24 Jul 2019 13:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.4	77.2





#31

Cyclohexane

Concen: 18.285 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011470.D

Acq: 24 Jul 2019 13:07

Instrument :
MSVOA_W
ClientSampled :

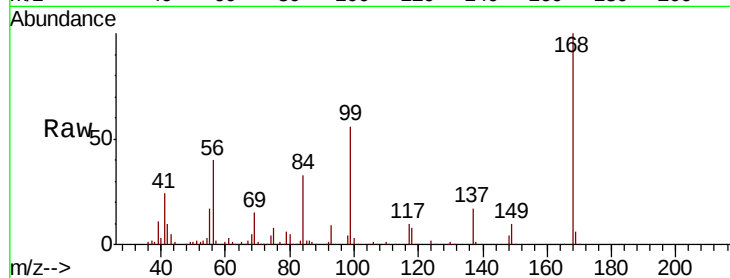
Tot Ion: 56 Resp: 104880

Ion Ratio Lower Upper

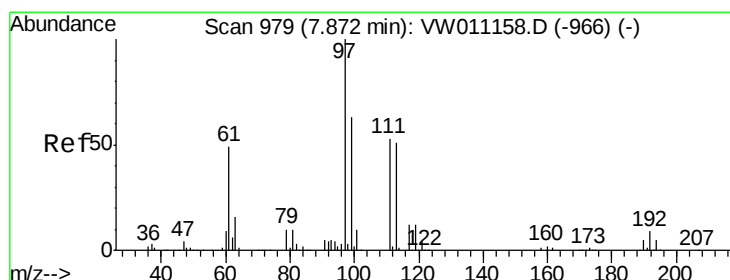
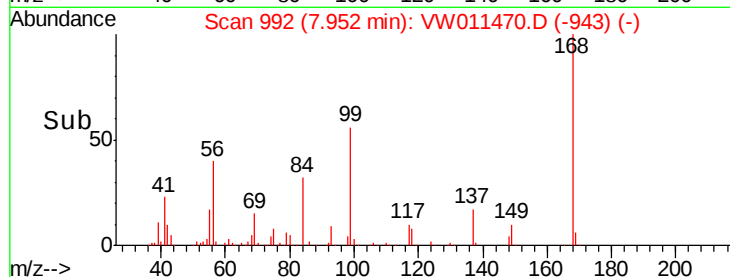
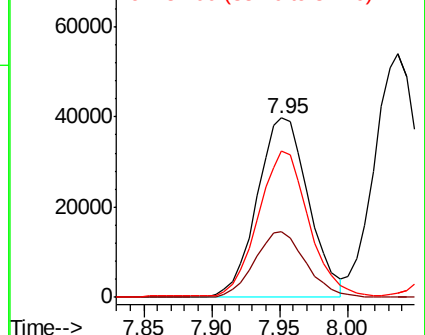
56 100

69 36.3 24.6 36.8

84 80.6 60.1 90.1



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: 19.199 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW011470.D

Acq: 24 Jul 2019 13:07

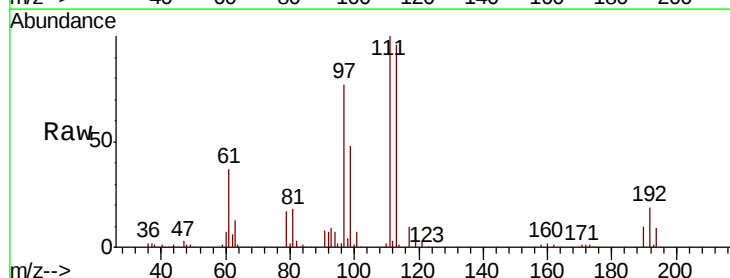
Tgt Ion: 97 Resp: 72923

Ion Ratio Lower Upper

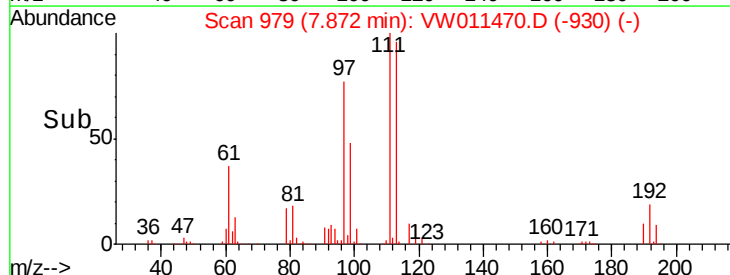
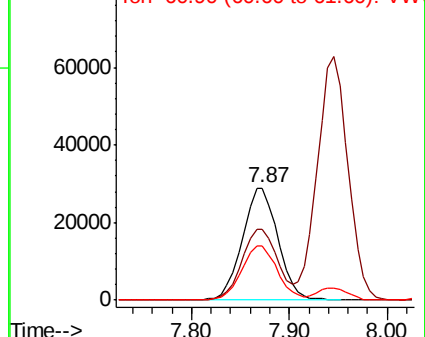
97 100

99 63.4 51.0 76.4

61 48.8 40.4 60.6



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

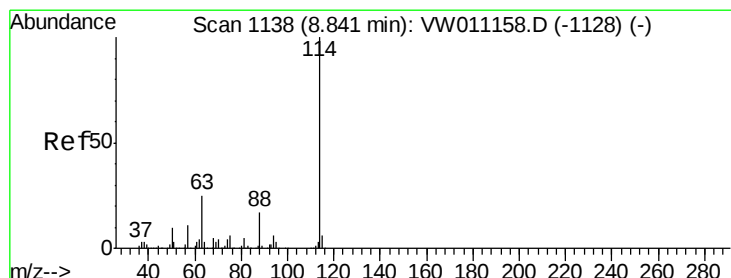
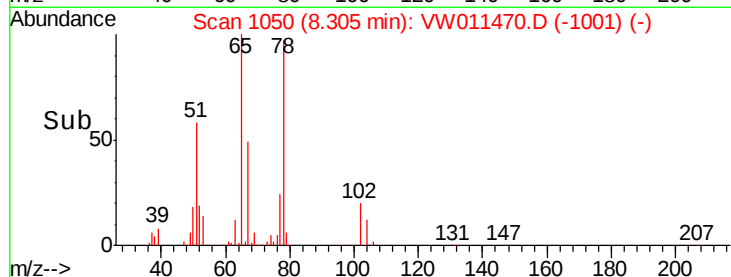
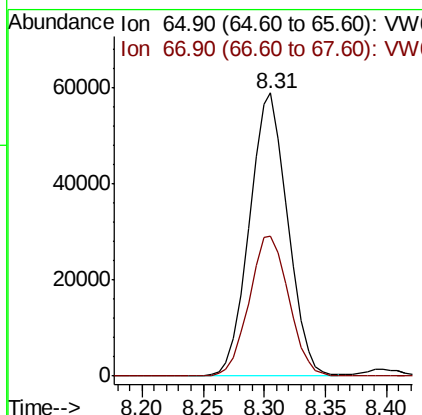
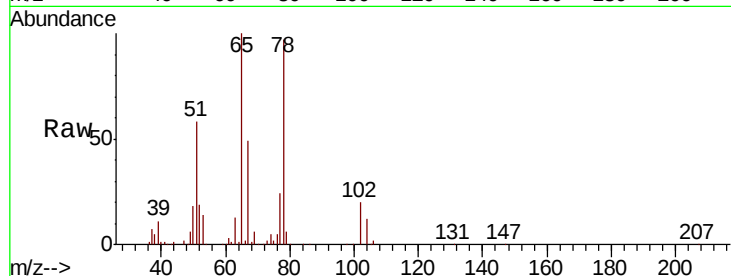




#33
 1,2-Dichloroethane-d4
 Concen: 43.031 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011470.D
 Acq: 24 Jul 2019 13:07

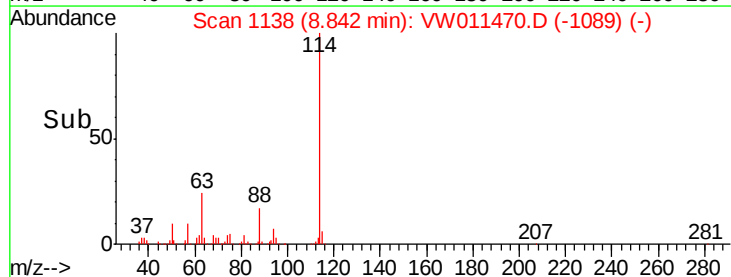
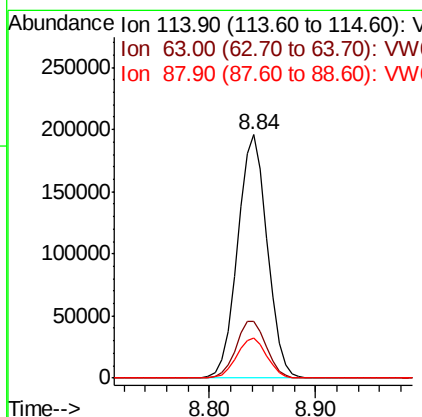
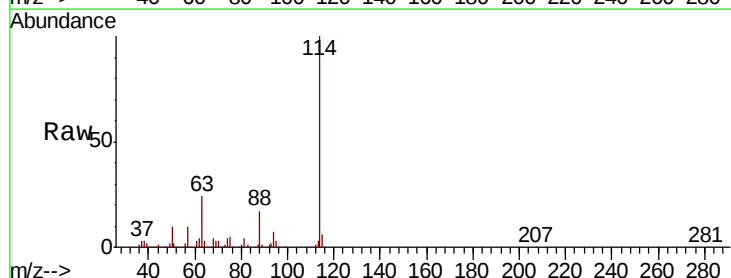
Instrument :
 MSVOA_W
 ClientSampleId :

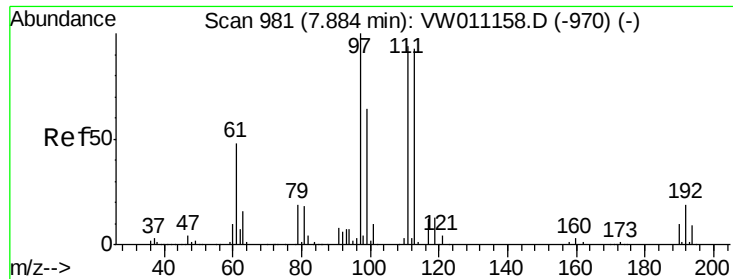
Tot Ion: 65 Resp: 127418
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011470.D
 Acq: 24 Jul 2019 13:07

Tgt Ion: 114 Resp: 383706
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 50.8
 88 16.6 0.0 34.2

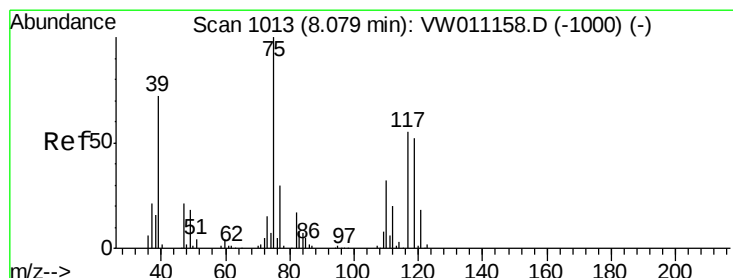
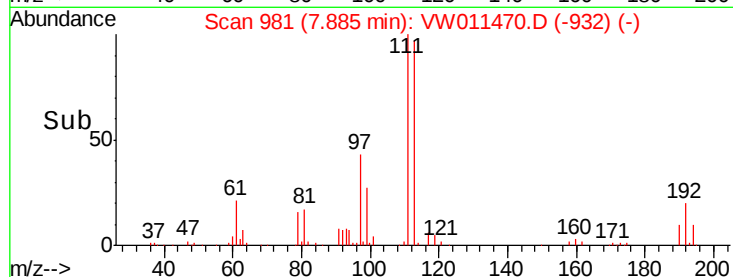
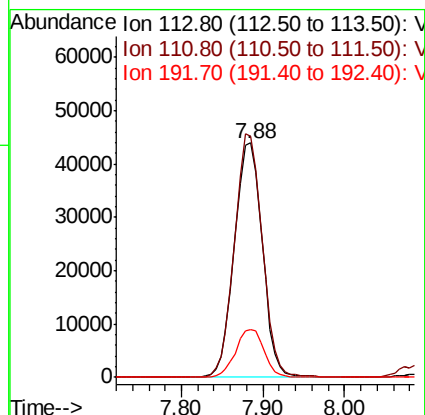
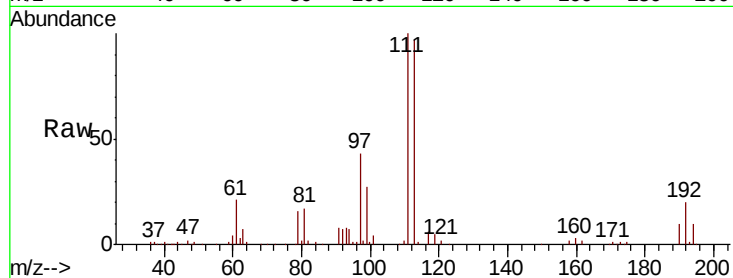




#35
 Dibromofluoromethane
 Concen: 45.555 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW011470.D
 Acq: 24 Jul 2019 13:07

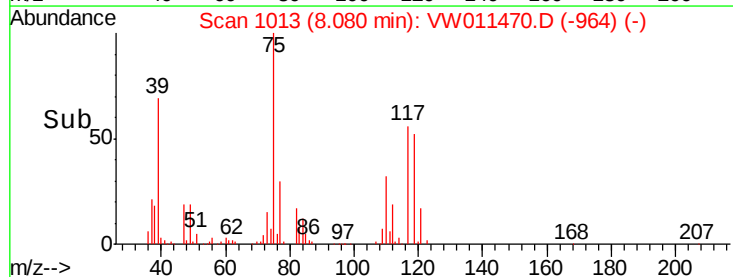
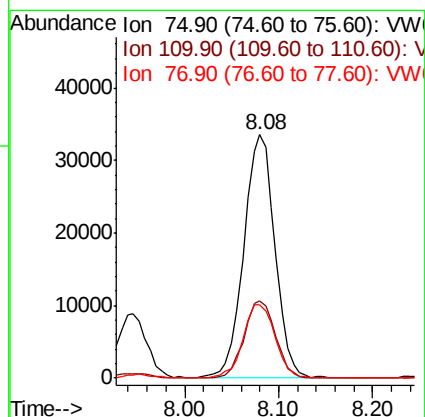
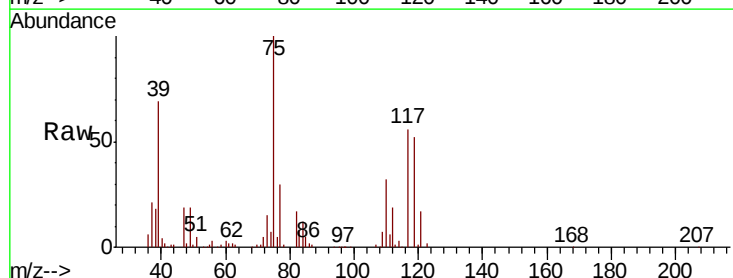
Instrument :
 MSVOA_W
 ClientSampleId :

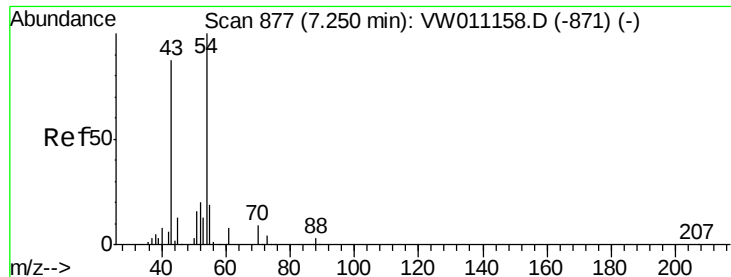
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.4	123.6
192	20.8	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 19.019 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW011470.D
 Acq: 24 Jul 2019 13:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.0	15.9	47.6
77	31.2	24.6	36.8

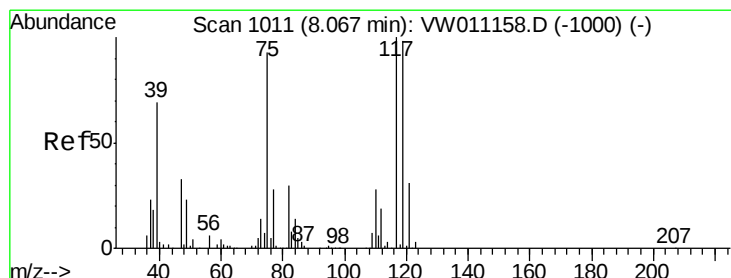
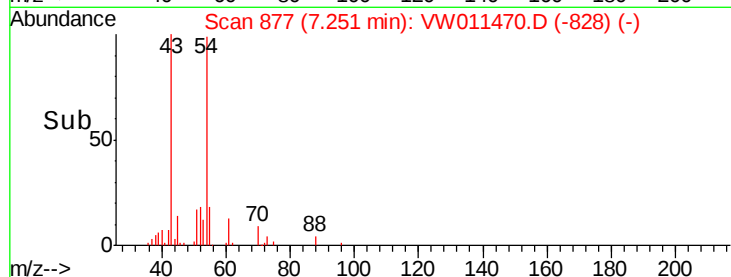
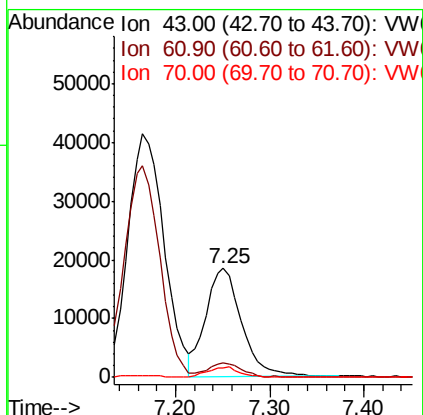
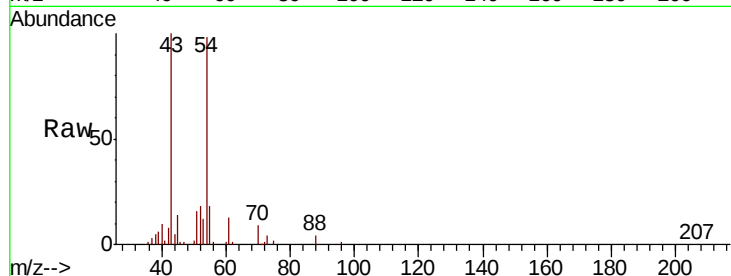




#37
Ethyl Acetate
Concen: 19.780 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011470.D
Acq: 24 Jul 2019 13:07

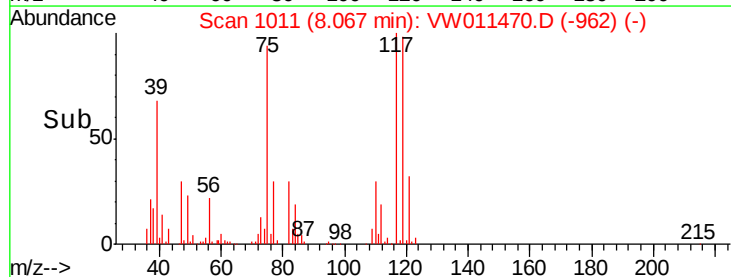
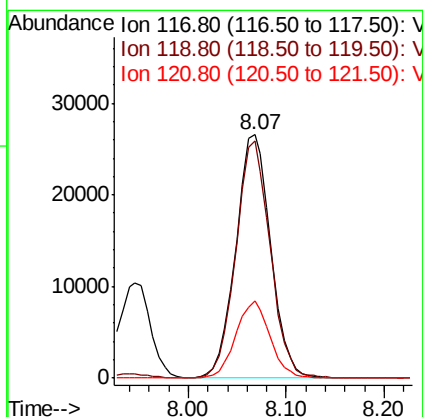
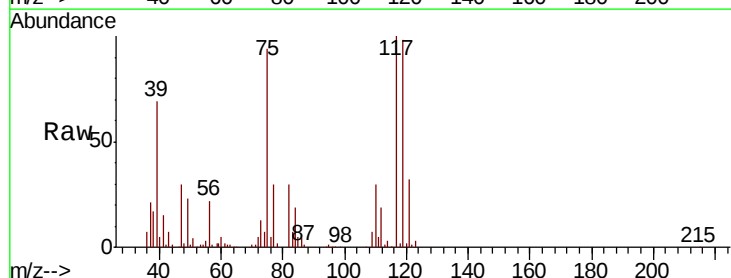
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 48560
Ion Ratio Lower Upper
43 100
61 12.7 9.5 14.3
70 8.7 7.1 10.7



#38
Carbon Tetrachloride
Concen: 18.966 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW011470.D
Acq: 24 Jul 2019 13:07

Tgt Ion: 117 Resp: 65695
Ion Ratio Lower Upper
117 100
119 97.7 78.1 117.1
121 31.5 25.1 37.7

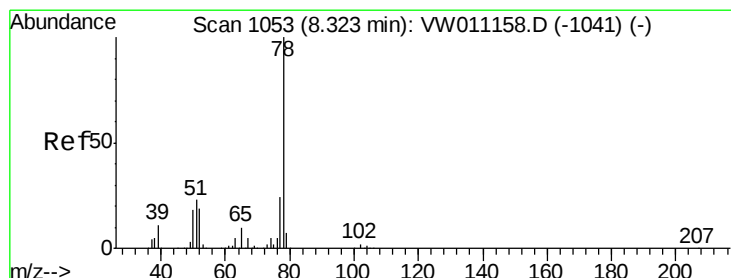
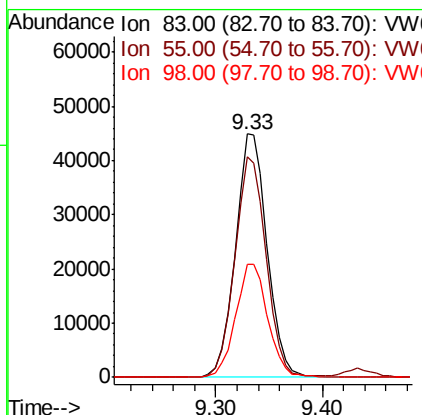
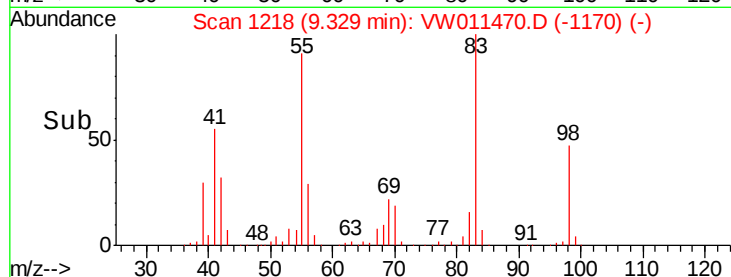
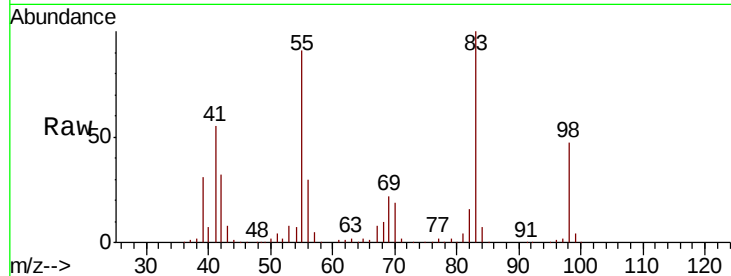




#39
Methvlcvclohexane
Concen: 18.938 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW011470.D
Acq: 24 Jul 2019 13:07

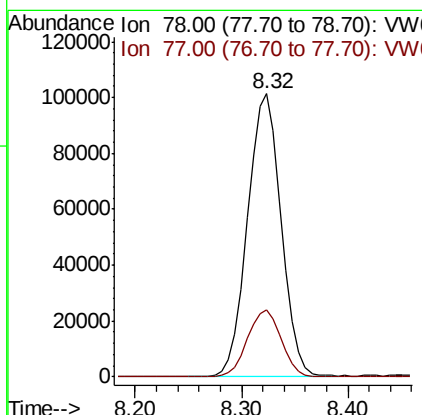
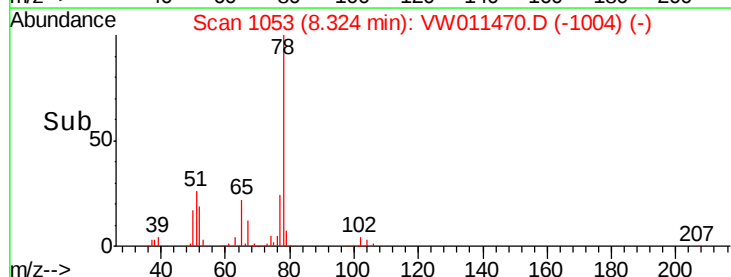
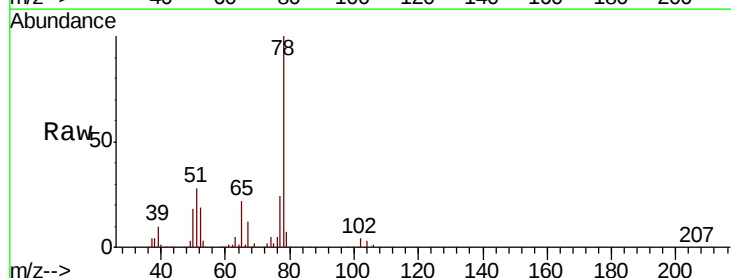
Instrument :
MSVOA_W
ClientSampled :

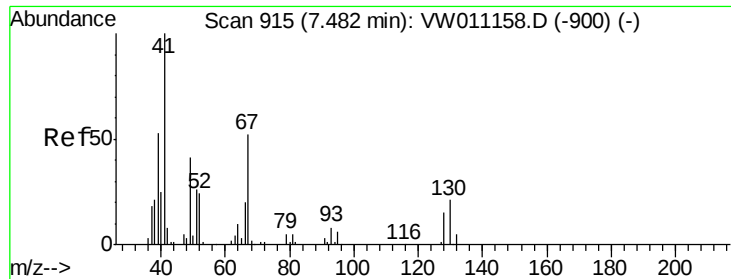
Tot Ion: 83 Resp: 93790
Ion Ratio Lower Upper
83 100
55 90.6 71.2 106.8
98 46.5 37.5 56.3



#40
Benzene
Concen: 19.918 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW011470.D
Acq: 24 Jul 2019 13:07

Tgt Ion: 78 Resp: 224922
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.6

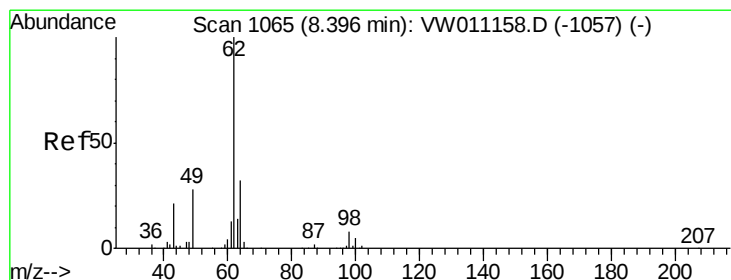
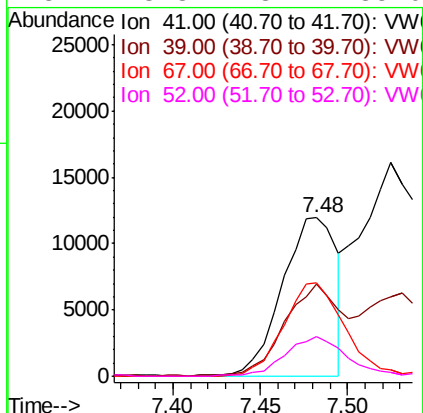
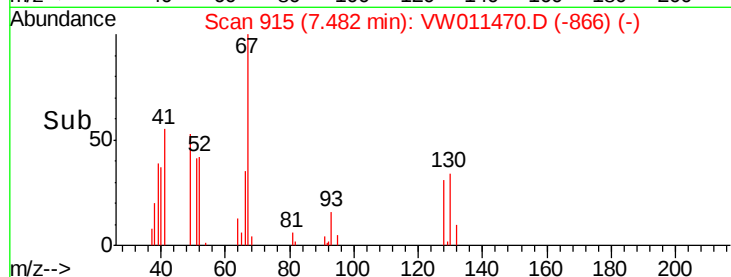
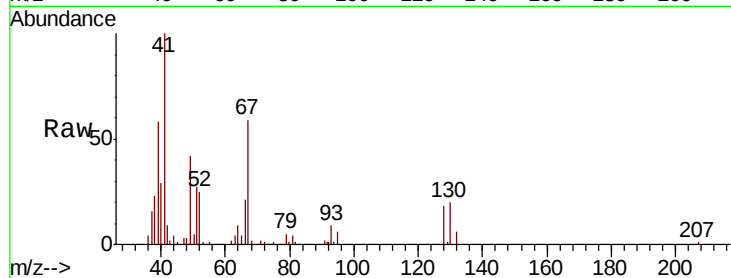




#41
Methacrylonitrile
Concen: 18.509 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW011470.D
Acq: 24 Jul 2019 13:07

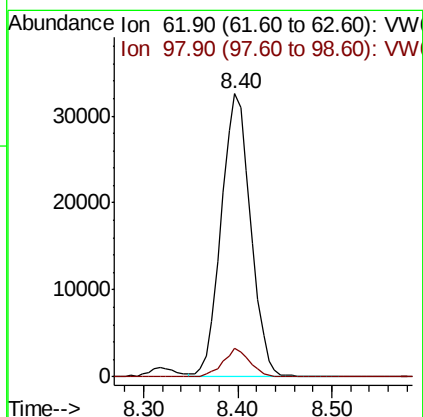
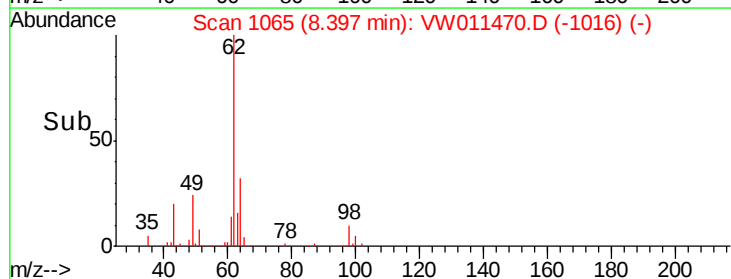
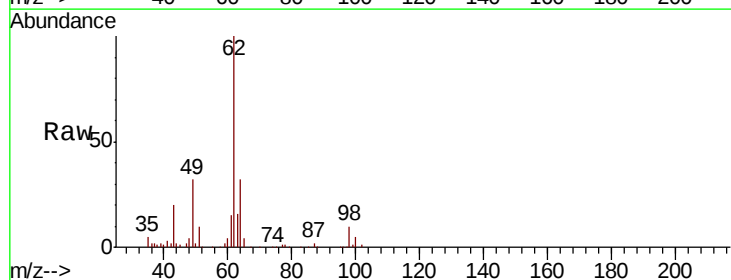
Instrument :
MSVOA_W
ClientSampled :

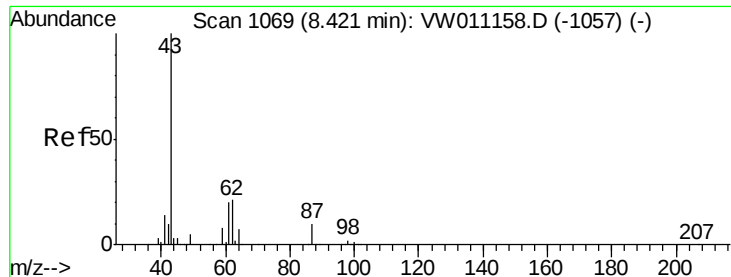
Tot Ion:	41	Resp:	25989
Ion	Ratio	Lower	Upper
41	100		
39	60.5	48.0	72.0
67	66.9	49.7	74.5
52	28.8	23.4	35.0



#42
1,2-Dichloroethane
Concen: 19.244 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011470.D
Acq: 24 Jul 2019 13:07

Tgt Ion:	62	Resp:	70496
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	16.8





#43

Isopropyl Acetate

Concen: 19.346 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011470.D

Acq: 24 Jul 2019 13:07

Instrument :

MSVOA_W

ClientSampleId :

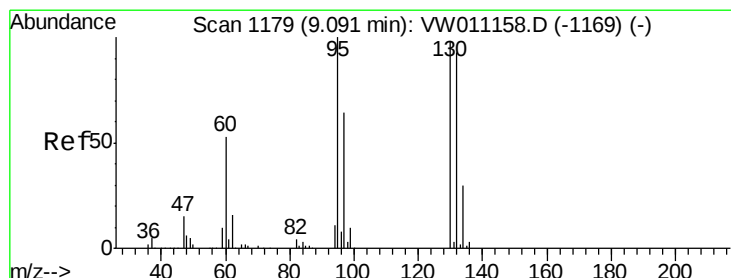
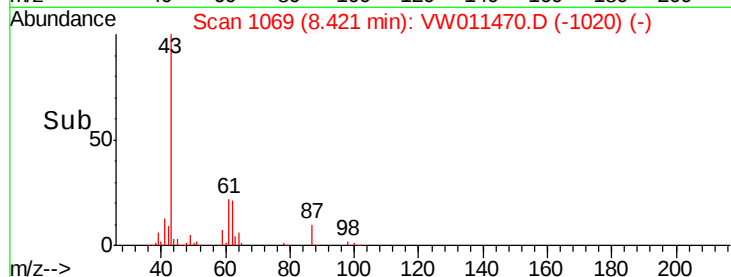
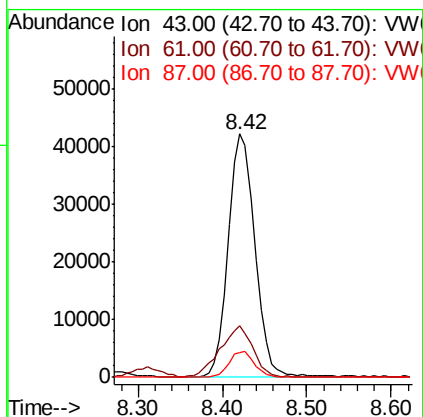
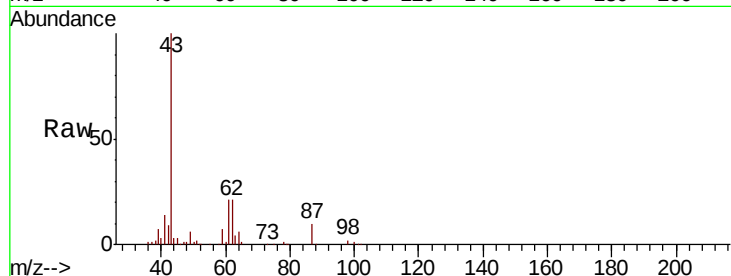
Tot Ion: 43 Resp: 89670

Ion Ratio Lower Upper

43 100

61 26.4 20.7 31.1

87 10.3 8.1 12.1



#44

Trichloroethene

Concen: 19.767 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW011470.D

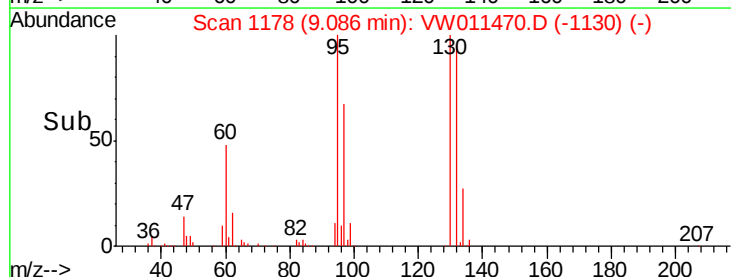
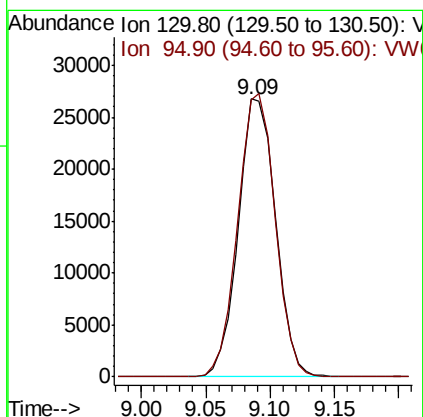
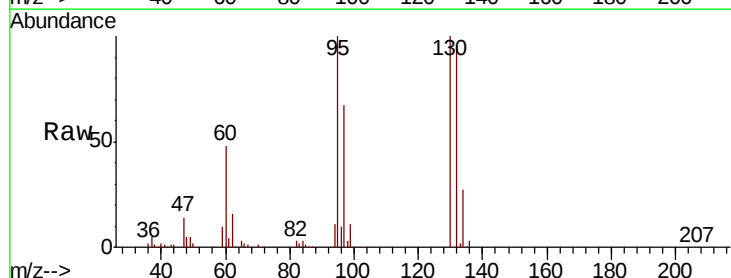
Acq: 24 Jul 2019 13:07

Tgt Ion: 130 Resp: 53714

Ion Ratio Lower Upper

130 100

95 99.6 0.0 203.6

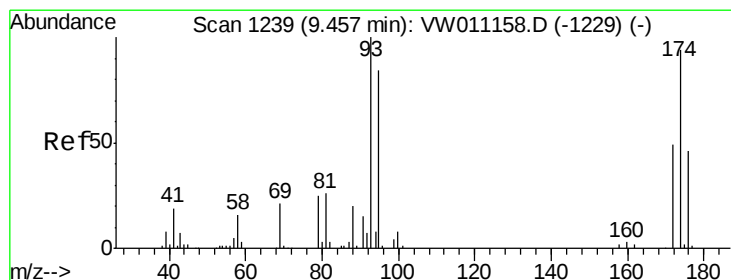
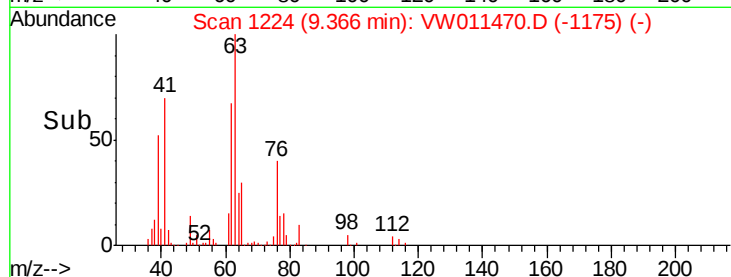
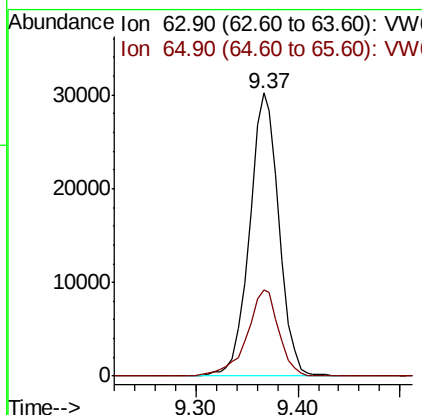
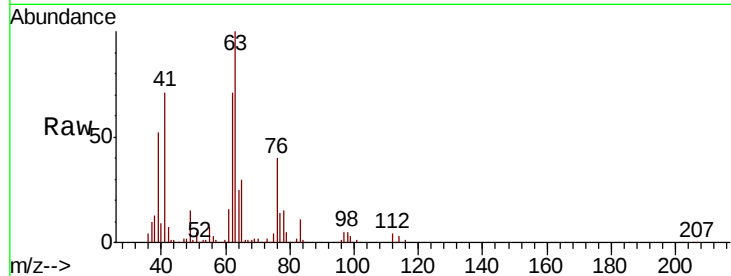




#45
 1,2-Dichloropropane
 Concen: 19.786 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011470.D
 Acq: 24 Jul 2019 13:07

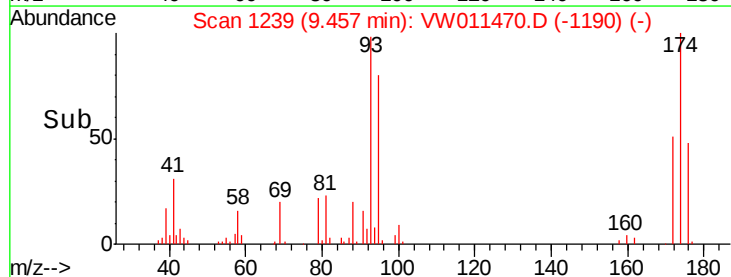
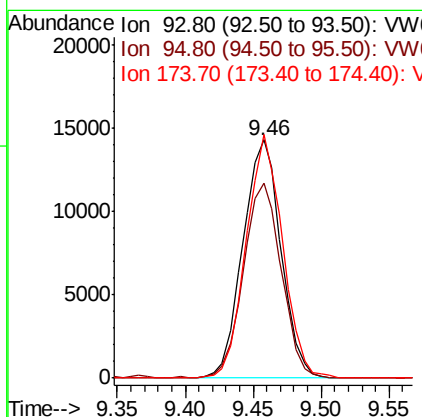
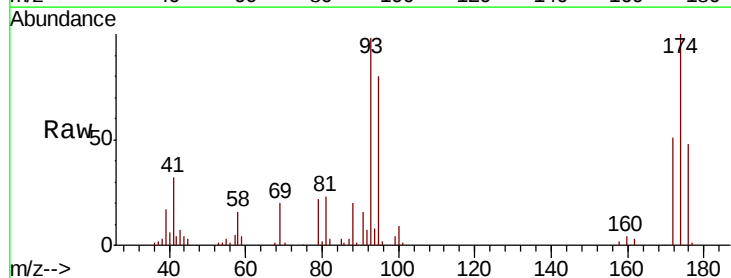
Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 63 Resp: 60503
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.4 36.6



#46
 Dibromomethane
 Concen: 19.537 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW011470.D
 Acq: 24 Jul 2019 13:07

Tgt Ion: 93 Resp: 28064
 Ion Ratio Lower Upper
 93 100
 95 81.5 67.2 100.8
 174 97.8 76.3 114.5

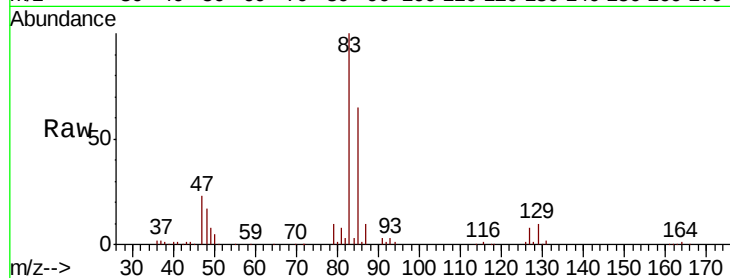




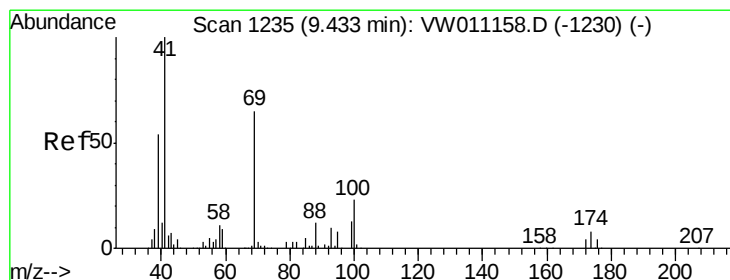
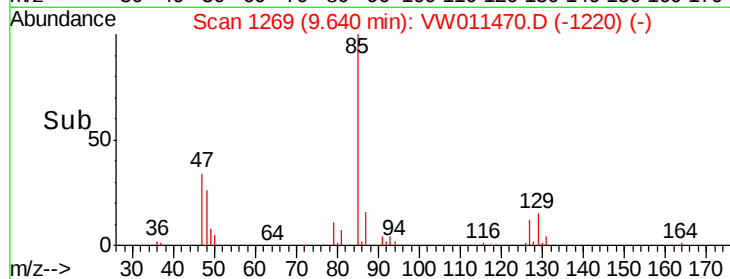
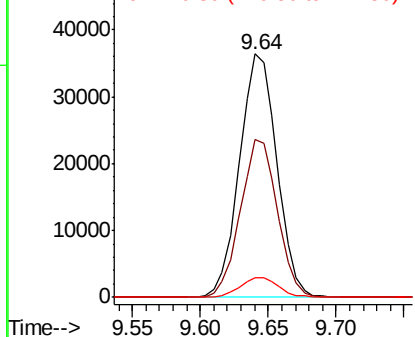
#47
Bromodichloromethane
Concen: 19.061 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW011470.D
Acq: 24 Jul 2019 13:07

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 83 Resp: 70057
Ion Ratio Lower Upper
83 100
85 64.6 51.0 76.4
127 8.0 6.0 9.0

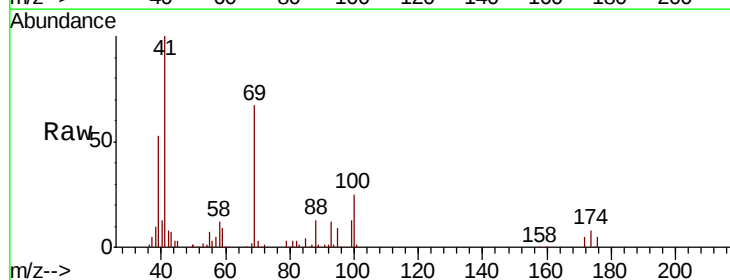


Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V

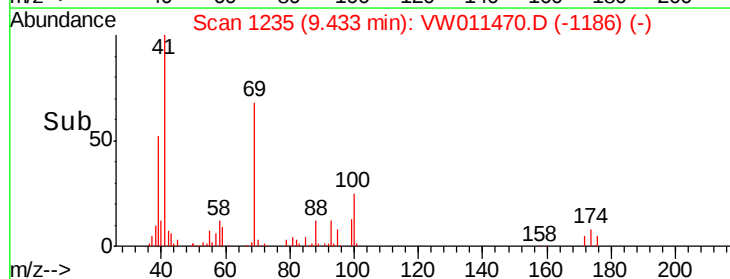
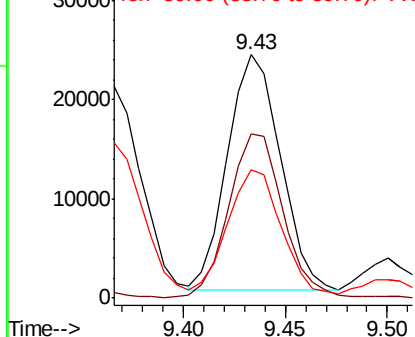


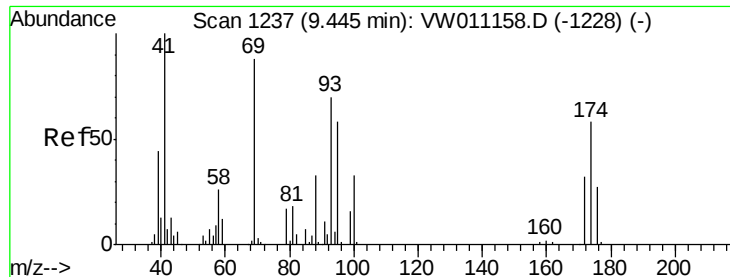
#48
Methyl methacrylate
Concen: 19.276 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW011470.D
Acq: 24 Jul 2019 13:07

Tgt Ion: 41 Resp: 42984
Ion Ratio Lower Upper
41 100
69 72.0 56.0 84.0
39 56.2 43.5 65.3



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

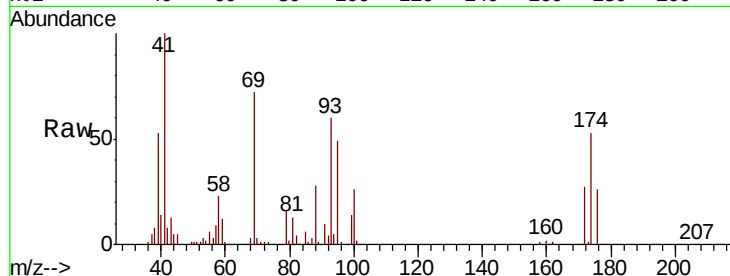




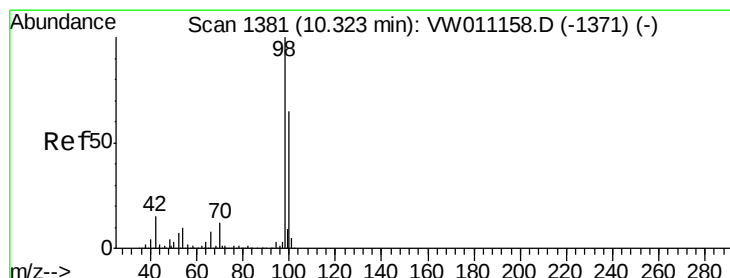
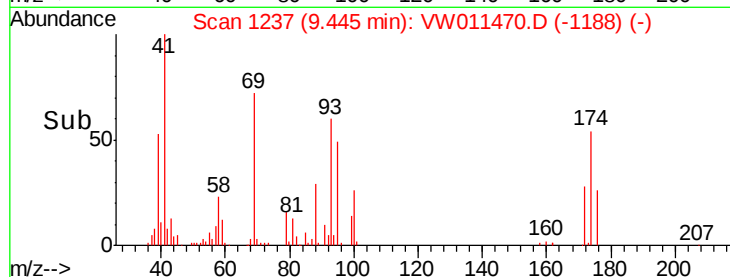
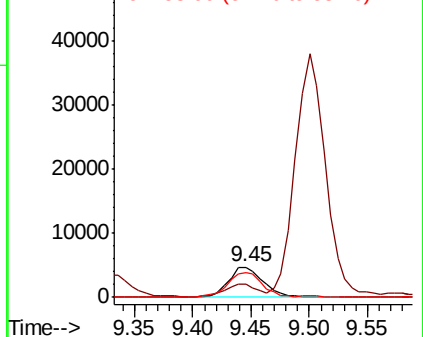
#49
1,4-Dioxane
Concen: 405.051 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW011470.D
Acq: 24 Jul 2019 13:07

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 9712
Ion Ratio Lower Upper
88 100
43 38.5 33.4 50.0
58 84.1 64.5 96.7

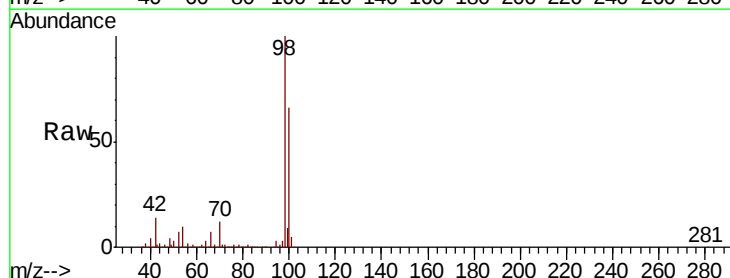


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

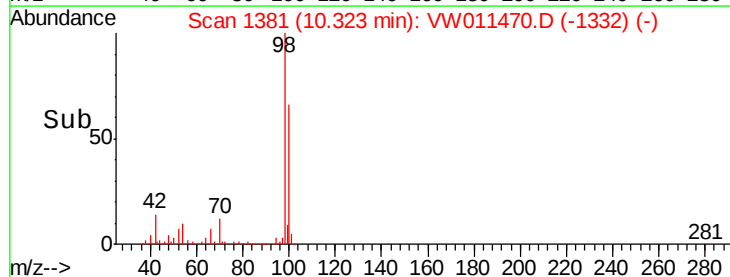
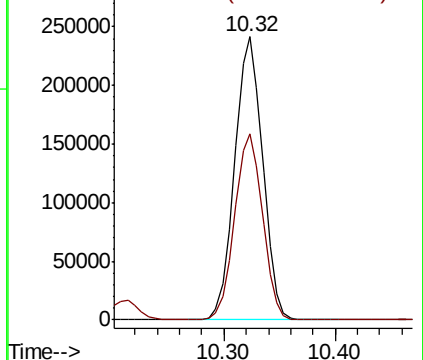


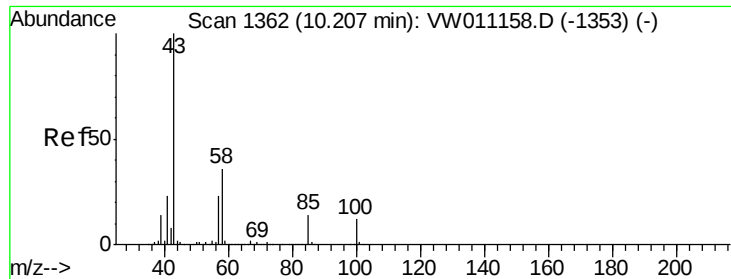
#50
Toluene-d8
Concen: 45.431 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011470.D
Acq: 24 Jul 2019 13:07

Tgt Ion: 98 Resp: 419990
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6



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: 97.898 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011470.D

Acq: 24 Jul 2019 13:07

Instrument :

MSVOA_W

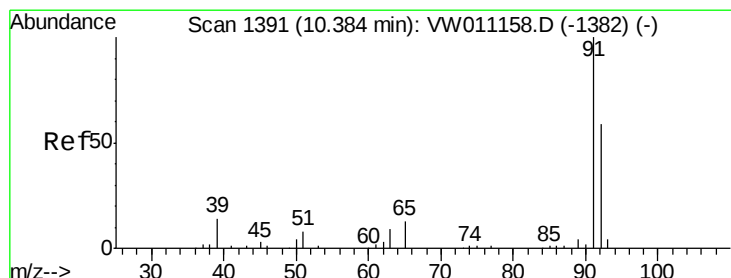
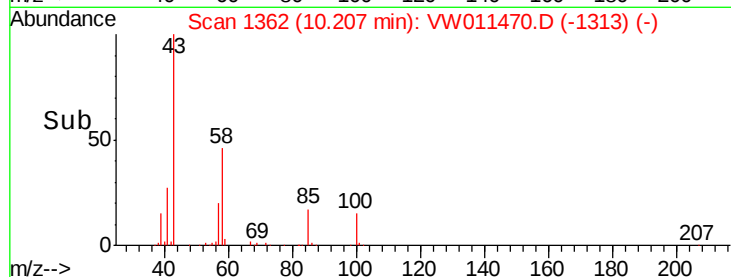
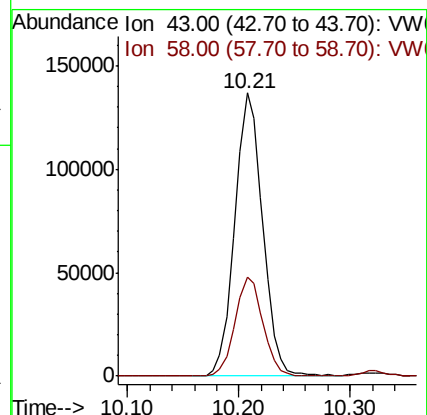
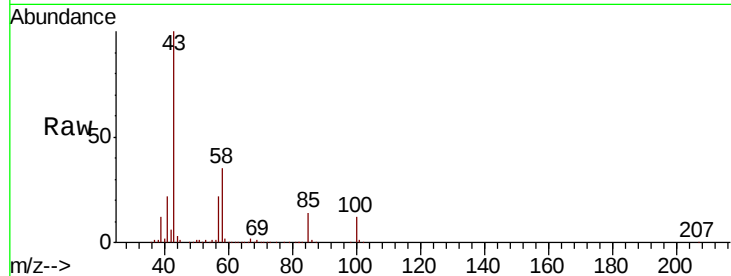
ClientSampled :

Tot Ion: 43 Resp: 237036

Ion Ratio Lower Upper

43 100

58 35.2 28.2 42.2



#52

Toluene

Concen: 19.923 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011470.D

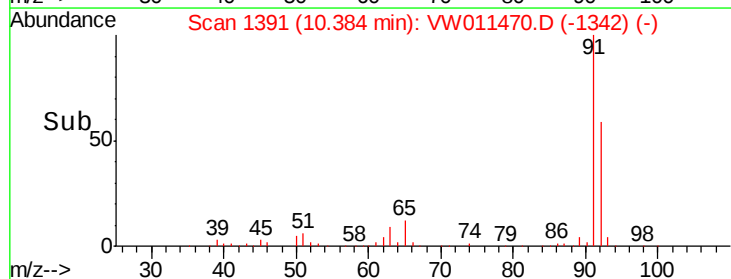
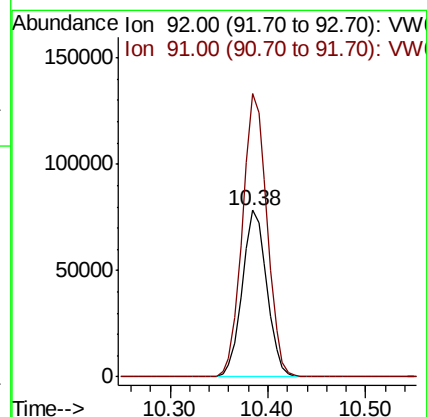
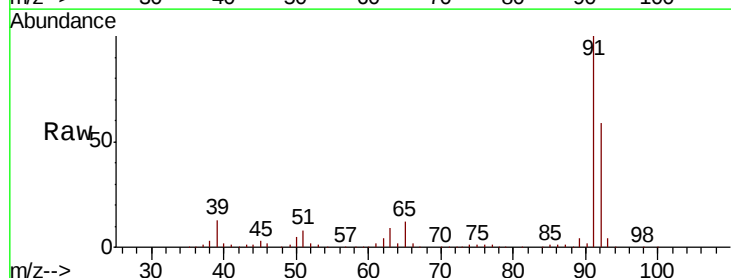
Acq: 24 Jul 2019 13:07

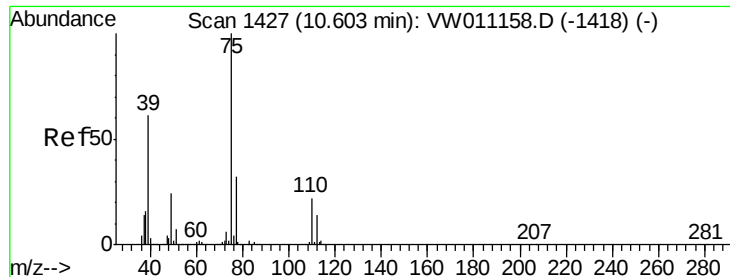
Tgt Ion: 92 Resp: 136478

Ion Ratio Lower Upper

92 100

91 170.2 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 18.836 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011470.D

Acq: 24 Jul 2019 13:07

Instrument :

MSVOA_W

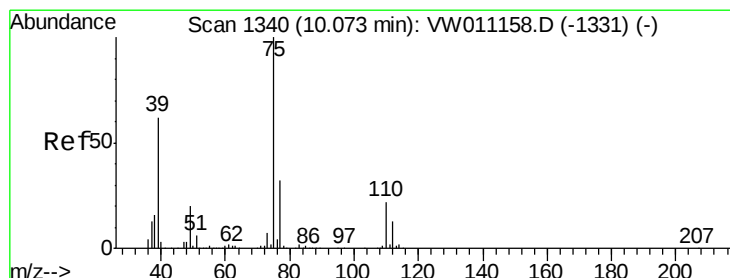
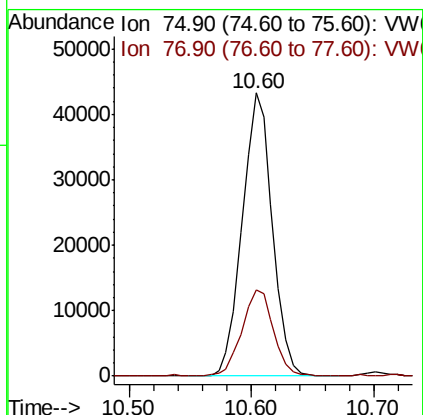
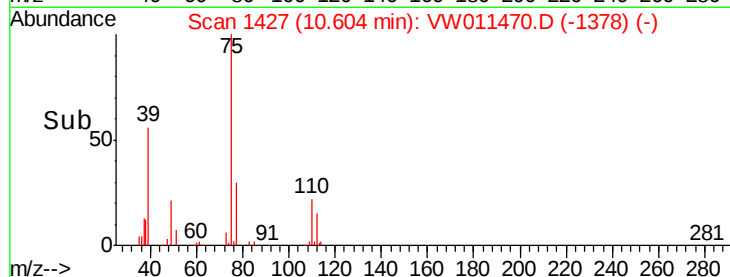
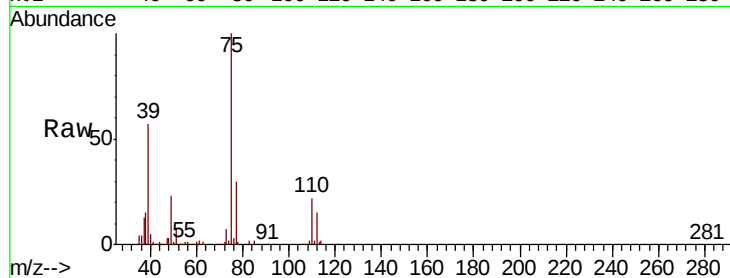
ClientSampleId :

Tot Ion: 75 Resp: 73692

Ion Ratio Lower Upper

75 100

77 30.0 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 19.024 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011470.D

Acq: 24 Jul 2019 13:07

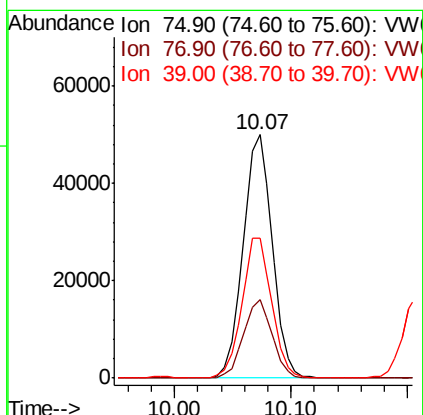
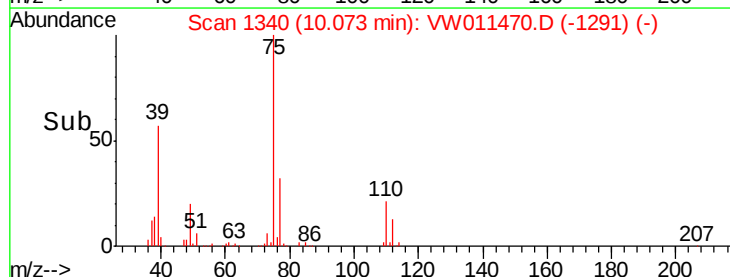
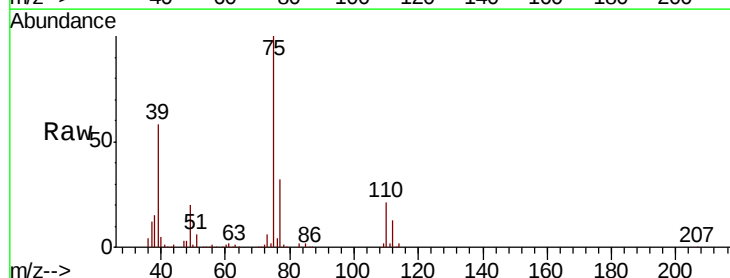
Tgt Ion: 75 Resp: 87606

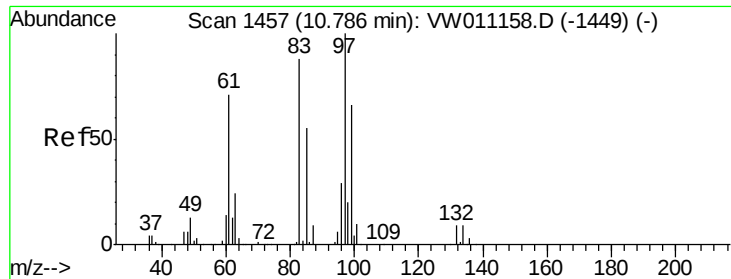
Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5

39 57.5 49.8 74.8

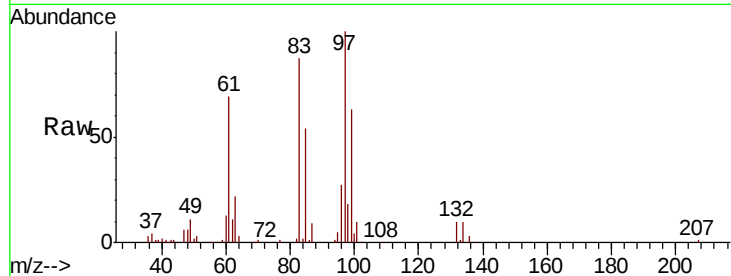




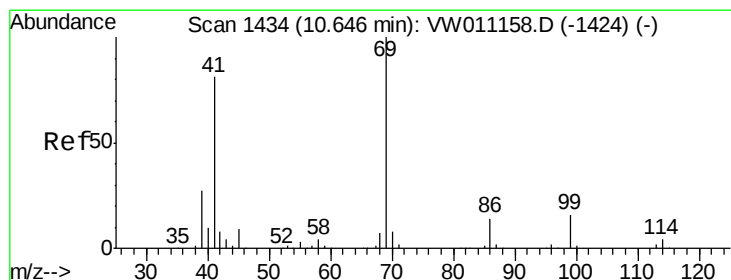
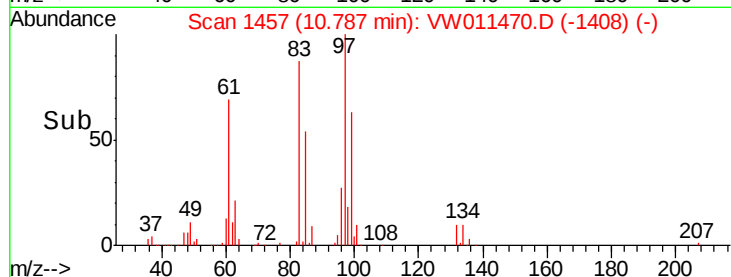
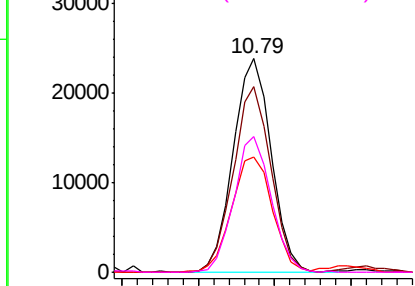
#55
 1,1,2-Trichloroethane
 Concen: 20.230 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011470.D
 Acq: 24 Jul 2019 13:07

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	97	Resp:	41226
Ion	Ratio	Lower	Upper
97	100		
83	86.9	70.2	105.4
85	53.6	44.2	66.2
99	63.2	52.6	79.0

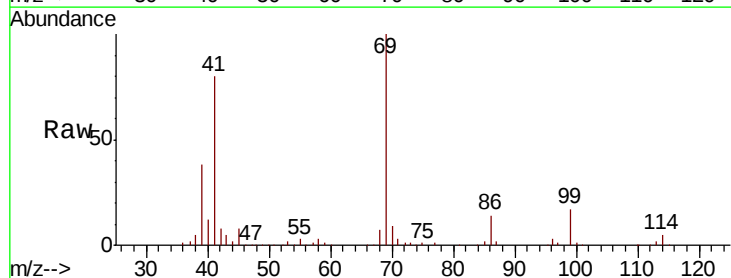


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

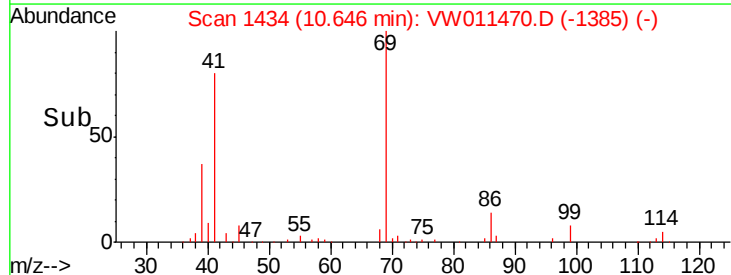
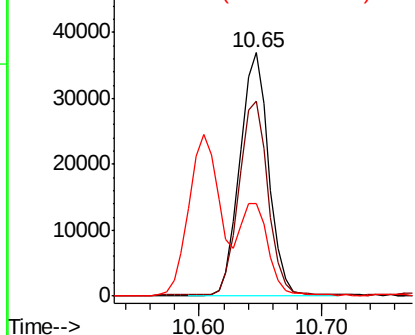


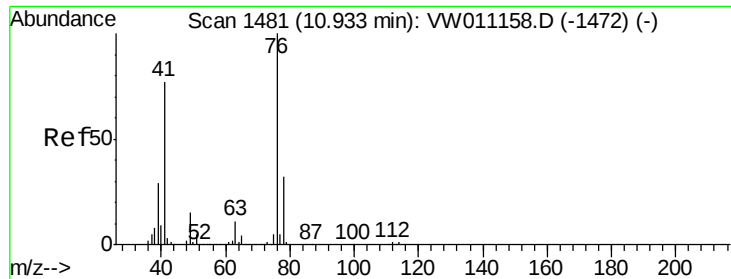
#56
 Ethyl methacrylate
 Concen: 19.565 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011470.D
 Acq: 24 Jul 2019 13:07

Tgt Ion:	69	Resp:	60701
Ion	Ratio	Lower	Upper
69	100		
41	82.8	66.5	99.7
39	35.9	32.5	48.7



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

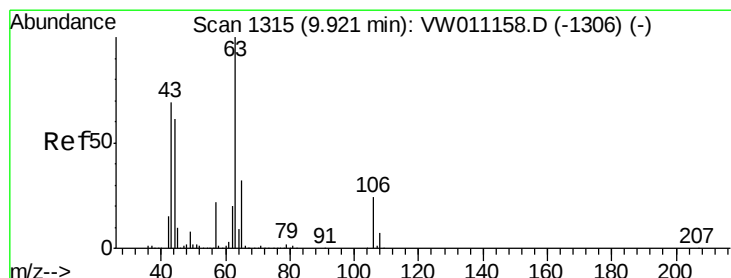
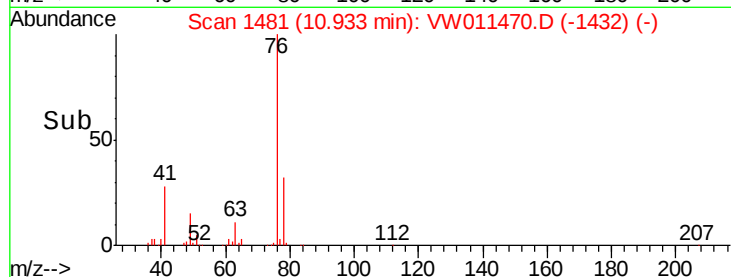
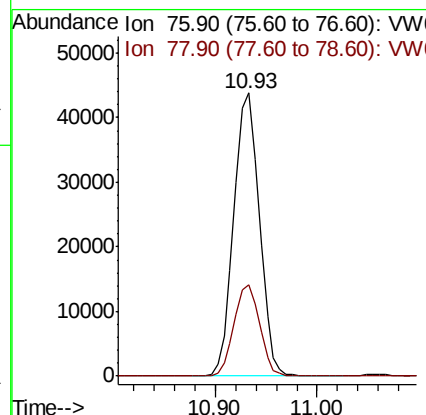
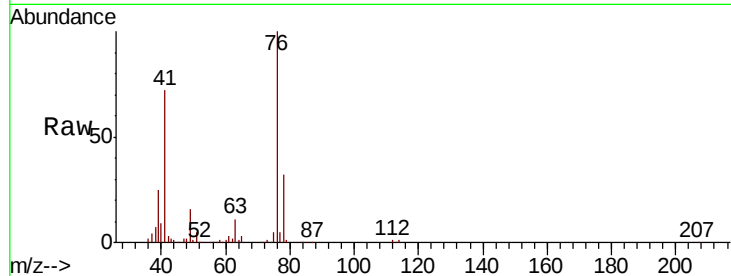




#57
 1,3-Dichloropropane
 Concen: 19.750 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011470.D
 Acq: 24 Jul 2019 13:07

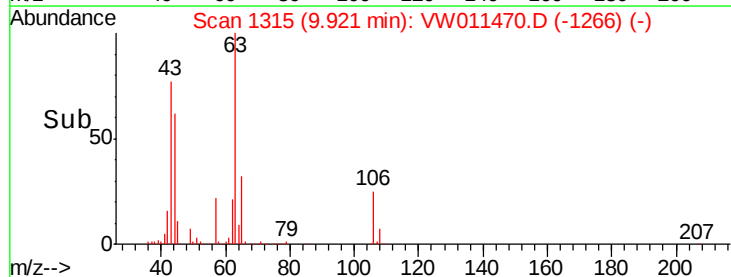
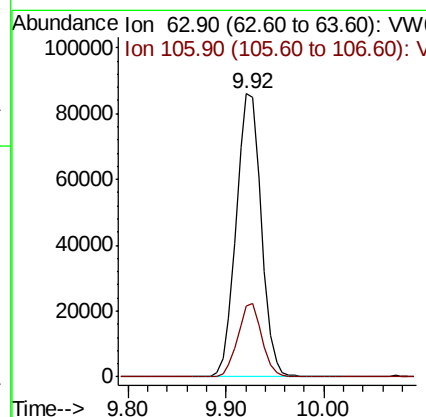
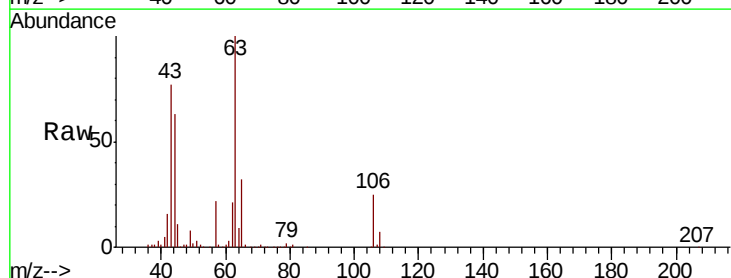
Instrument :
 MSVOA_W
 ClientSampleId :

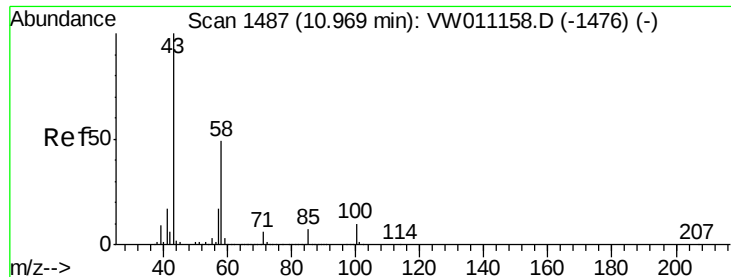
Tot Ion: 76 Resp: 76110
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.473 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011470.D
 Acq: 24 Jul 2019 13:07

Tgt Ion: 63 Resp: 153147
 Ion Ratio Lower Upper
 63 100
 106 24.8 19.4 29.0

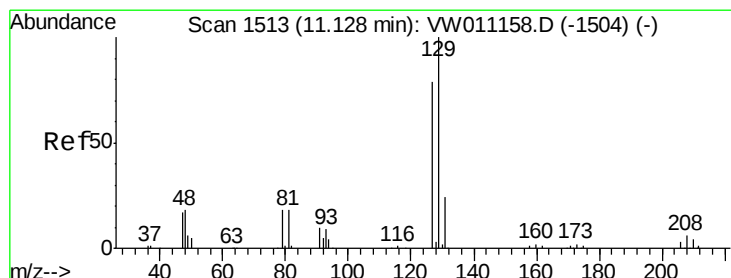
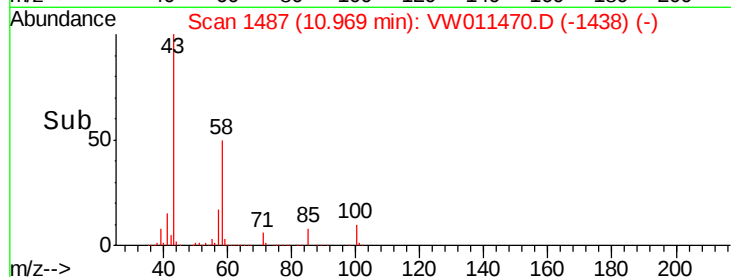
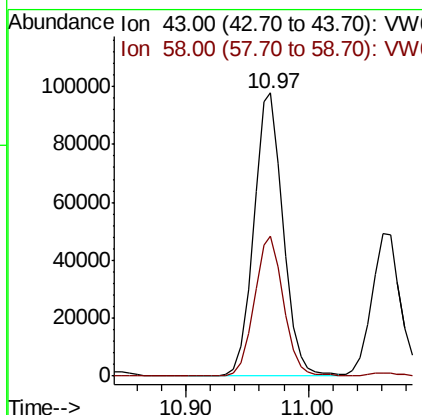
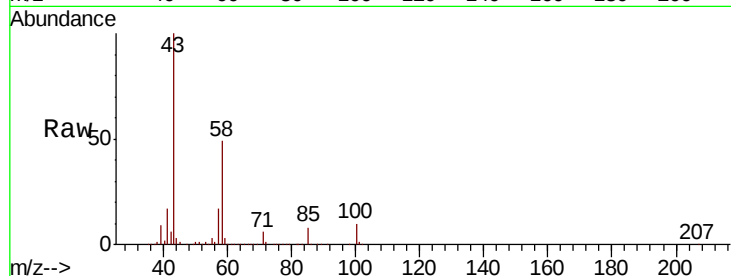




#59
2-Hexanone
Concen: 96.835 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011470.D
Acq: 24 Jul 2019 13:07

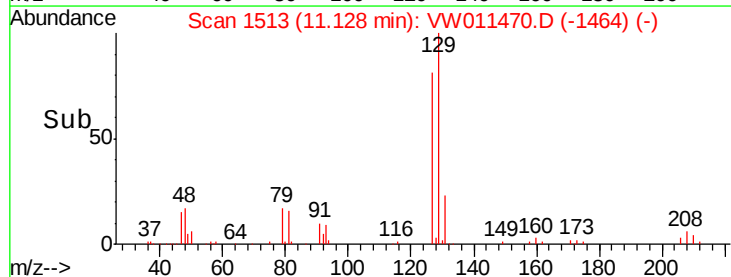
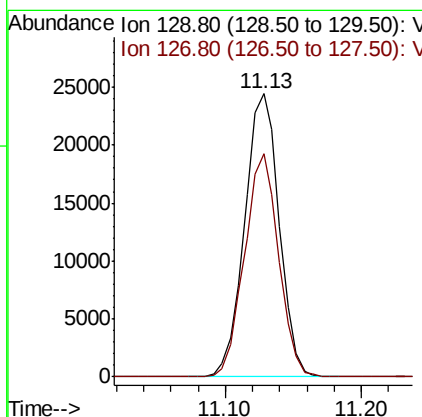
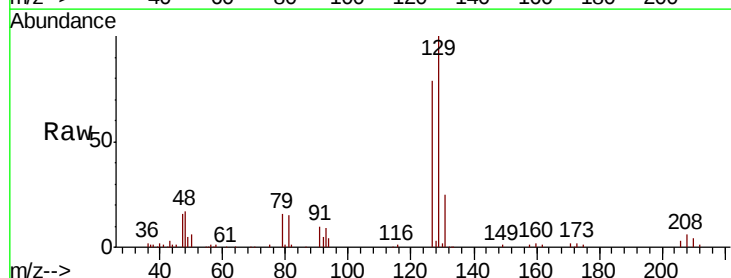
Instrument :
MSVOA_W
ClientSampleId :

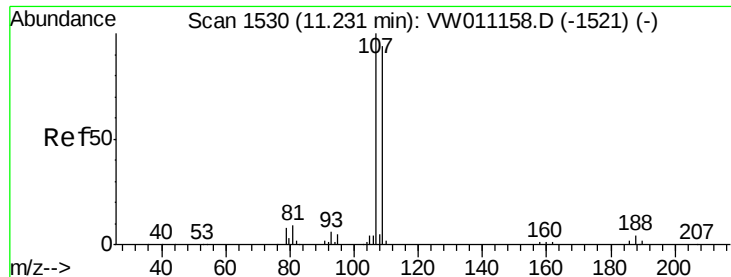
Tot Ion: 43 Resp: 162599
Ion Ratio Lower Upper
43 100
58 49.2 24.4 73.4



#60
Dibromochloromethane
Concen: 19.457 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011470.D
Acq: 24 Jul 2019 13:07

Tgt Ion: 129 Resp: 43479
Ion Ratio Lower Upper
129 100
127 77.9 39.1 117.3

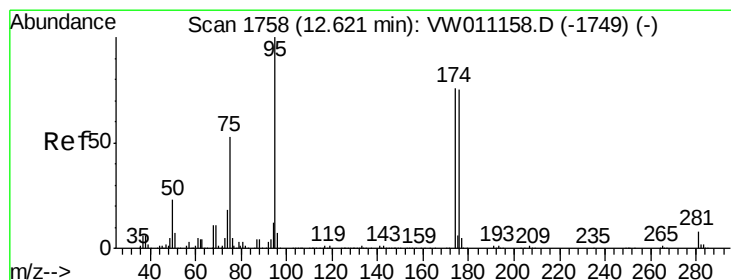
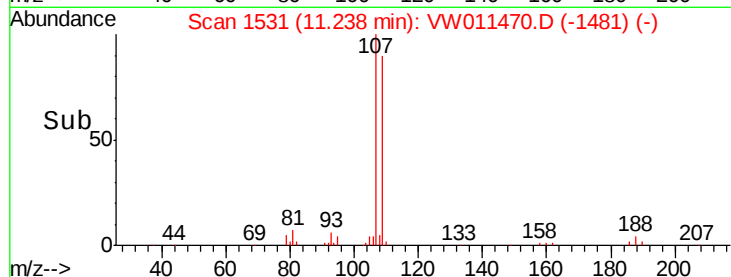
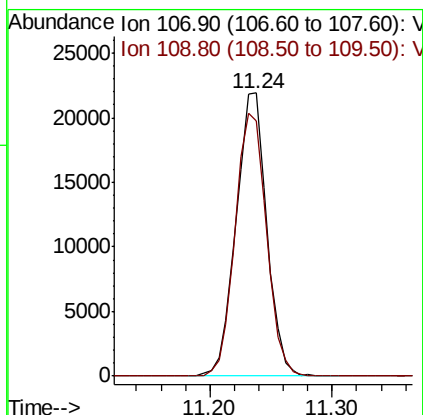
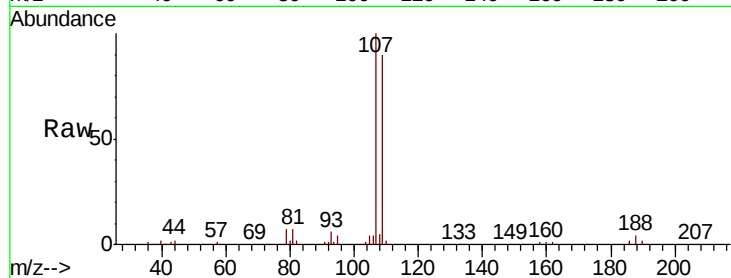




#61
 1,2-Dibromoethane
 Concen: 19.694 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW011470.D
 Acq: 24 Jul 2019 13:07

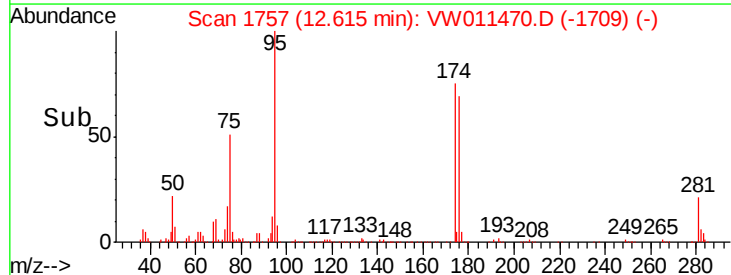
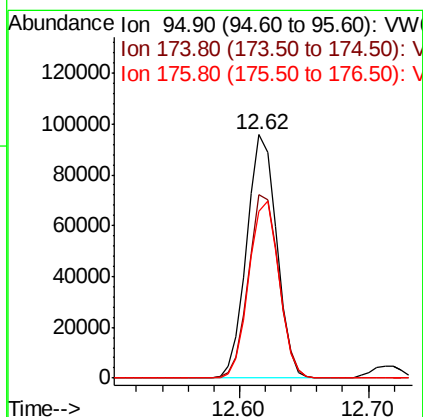
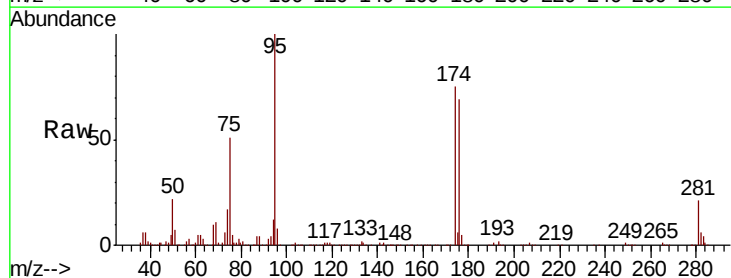
Instrument :
 MSVOA_W
 ClientSampled :

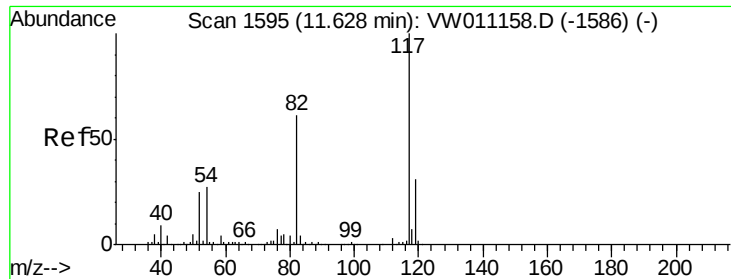
Tot Ion:107 Resp: 38015
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 45.364 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW011470.D
 Acq: 24 Jul 2019 13:07

Tgt Ion: 95 Resp: 153716
 Ion Ratio Lower Upper
 95 100
 174 76.1 0.0 147.6
 176 73.3 0.0 144.6

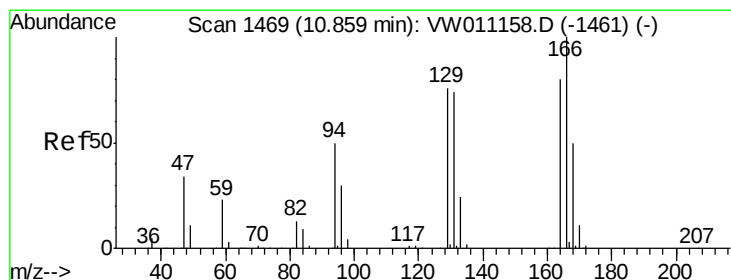
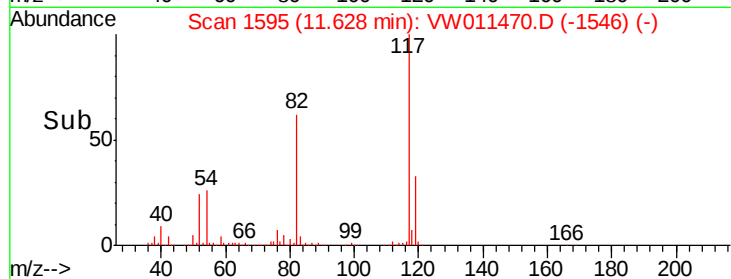
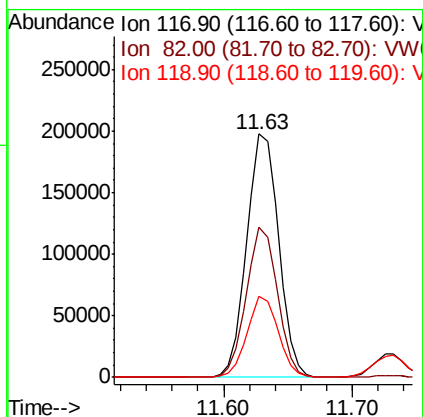
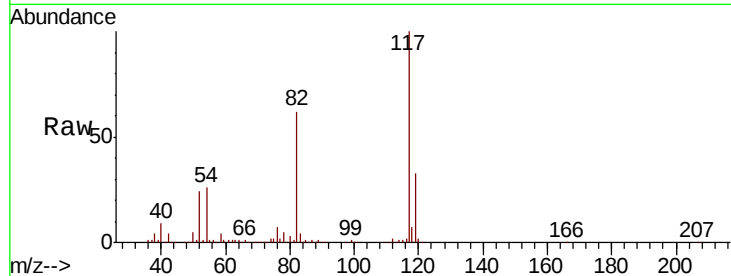




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011470.D
Acq: 24 Jul 2019 13:07

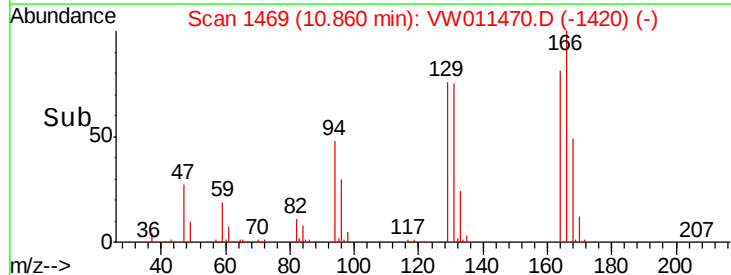
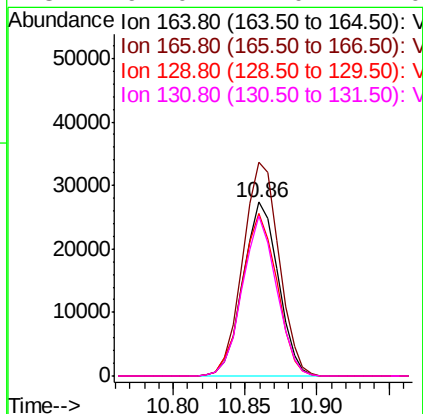
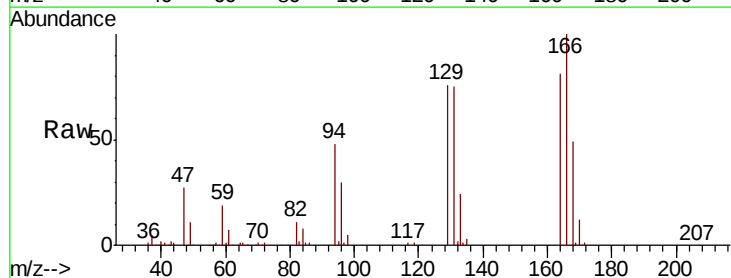
Instrument :
MSVOA_W
ClientSampled :

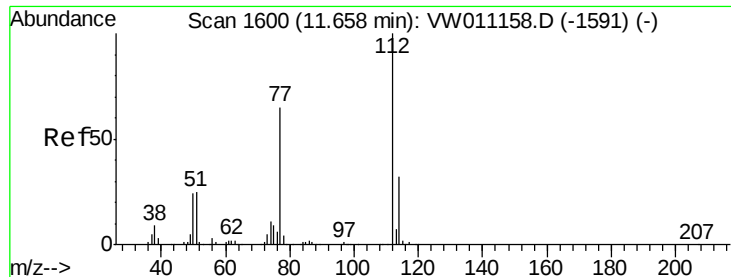
Tot Ion:117 Resp: 337850
Ion Ratio Lower Upper
117 100
82 61.7 48.9 73.3
119 33.1 25.0 37.6



#64
Tetrachloroethene
Concen: 20.261 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011470.D
Acq: 24 Jul 2019 13:07

Tgt Ion:164 Resp: 46191
Ion Ratio Lower Upper
164 100
166 123.1 99.7 149.5
129 93.4 76.2 114.2
131 92.0 74.0 111.0

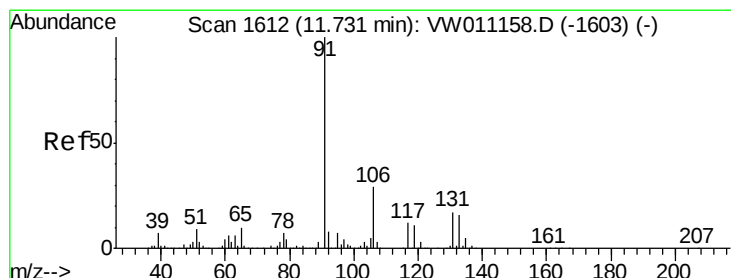
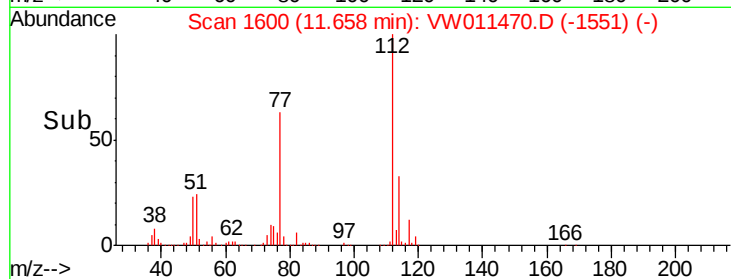
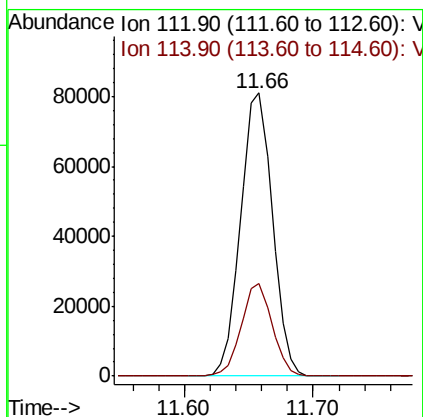
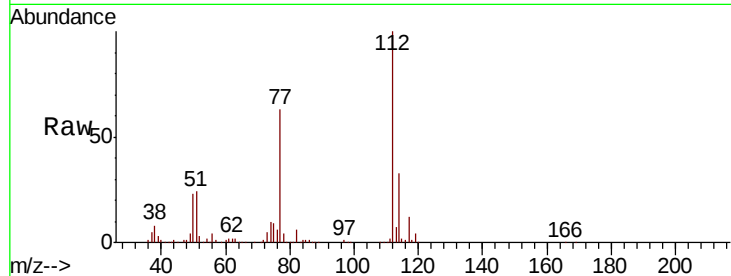




#65
Chlorobenzene
Concen: 20.163 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011470.D
Acq: 24 Jul 2019 13:07

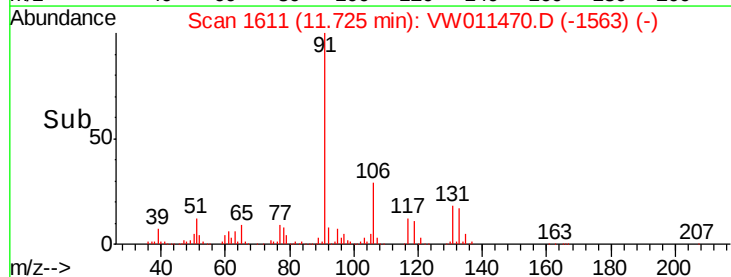
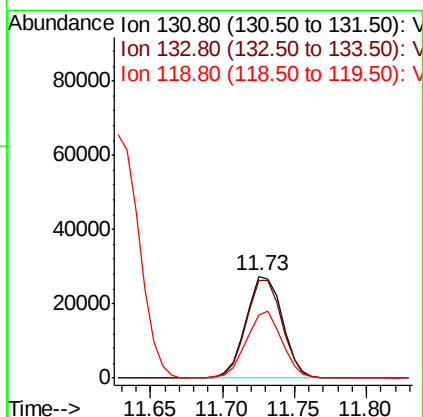
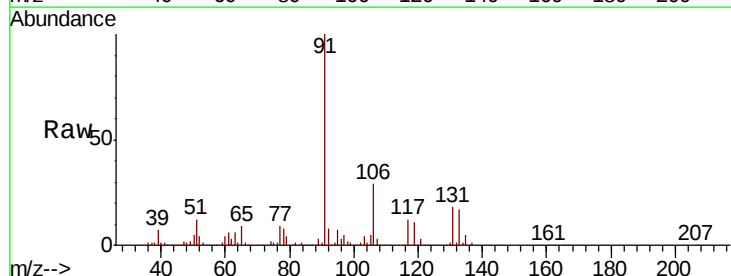
Instrument :
MSVOA_W
ClientSampleId :

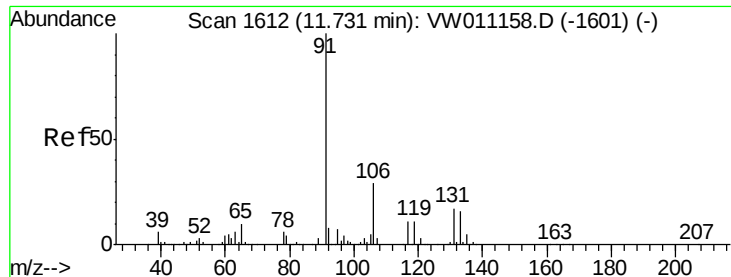
Tot Ion:112 Resp: 138496
Ion Ratio Lower Upper
112 100
114 32.6 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 19.991 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW011470.D
Acq: 24 Jul 2019 13:07

Tgt Ion:131 Resp: 48348
Ion Ratio Lower Upper
131 100
133 94.8 47.9 143.8
119 64.2 33.1 99.2

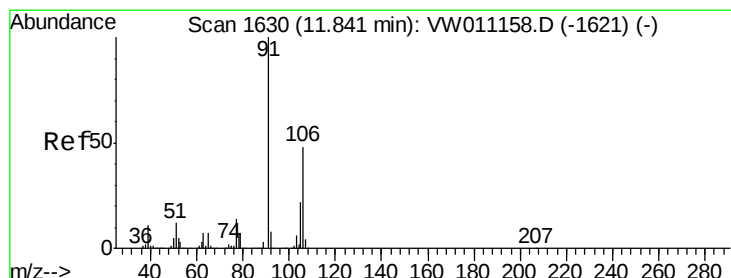
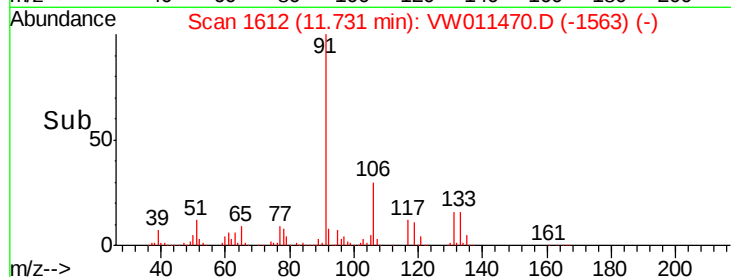
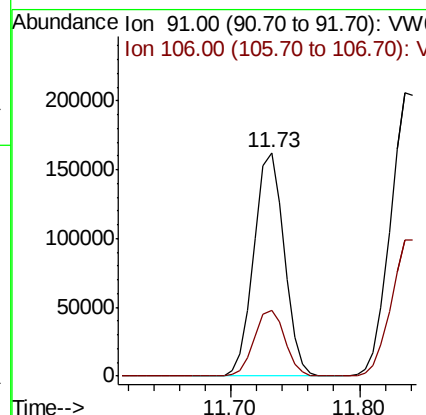
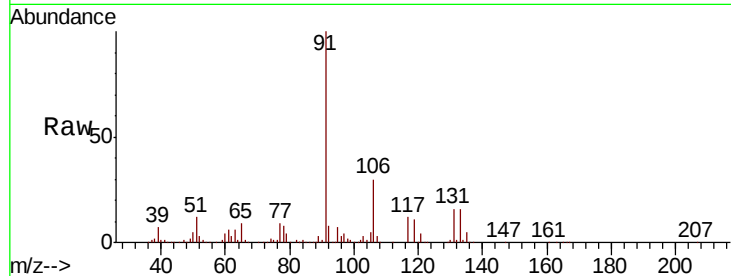




#67
Ethyl Benzene
Concen: 20.041 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011470.D
Acq: 24 Jul 2019 13:07

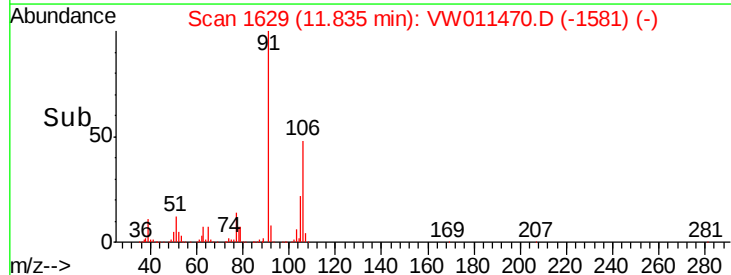
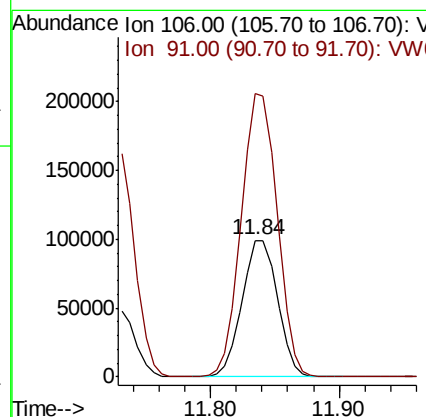
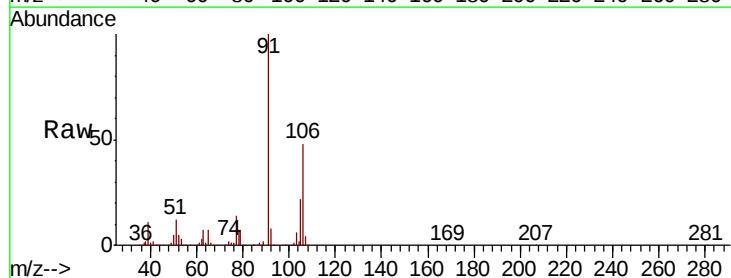
Instrument :
MSVOA_W
ClientSampled :

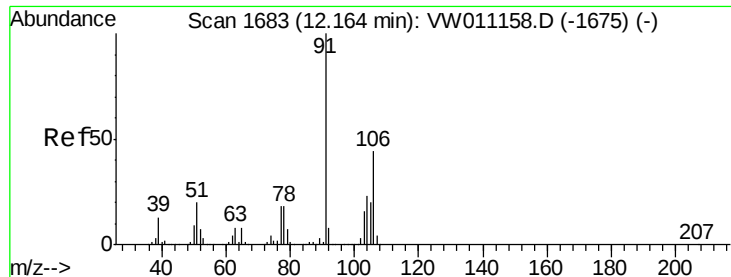
Tot Ion: 91 Resp: 263535
Ion Ratio Lower Upper
91 100
106 29.6 23.5 35.3



#68
m/p-Xylenes
Concen: 39.942 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW011470.D
Acq: 24 Jul 2019 13:07

Tgt Ion: 106 Resp: 190046
Ion Ratio Lower Upper
106 100
91 209.0 167.7 251.5

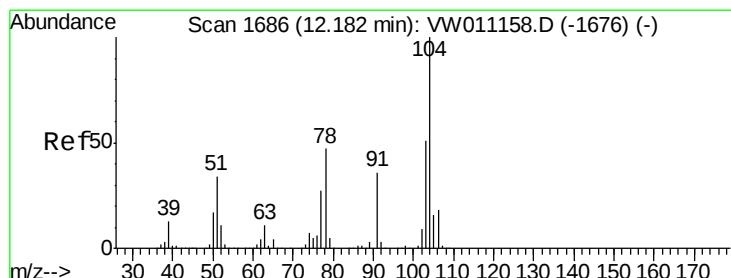
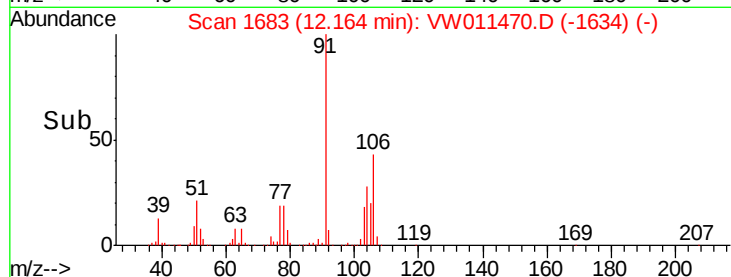
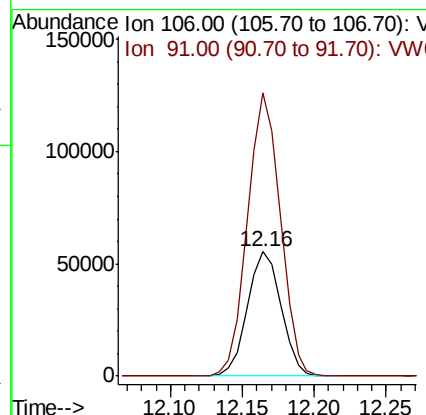
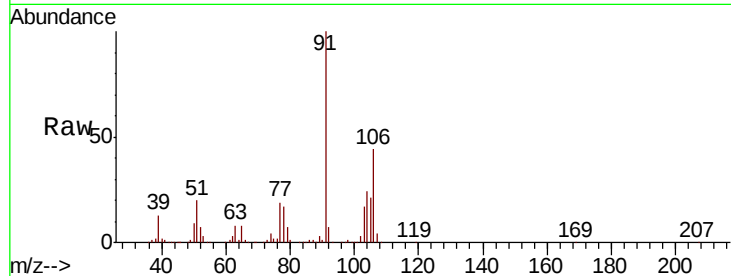




#69
o-Xylene
Concen: 20.000 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011470.D
Acq: 24 Jul 2019 13:07

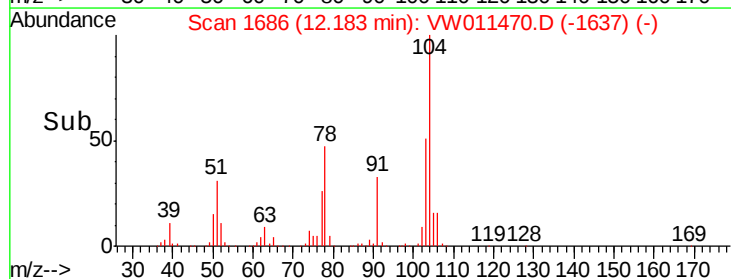
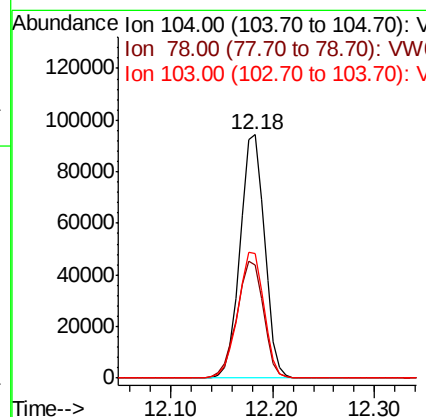
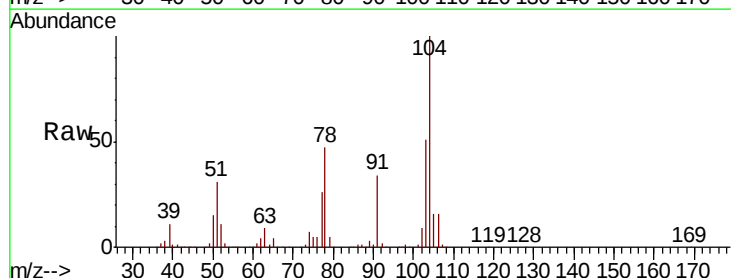
Instrument :
MSVOA_W
ClientSampled :

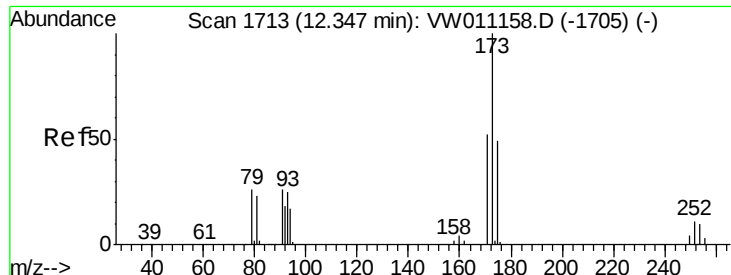
Tot Ion:106 Resp: 89690
Ion Ratio Lower Upper
106 100
91 222.0 110.7 332.1



#70
Styrene
Concen: 20.139 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011470.D
Acq: 24 Jul 2019 13:07

Tgt Ion:104 Resp: 155866
Ion Ratio Lower Upper
104 100
78 52.6 43.1 64.7
103 55.4 44.1 66.1

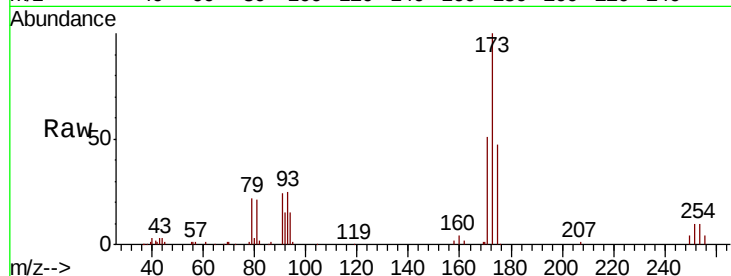




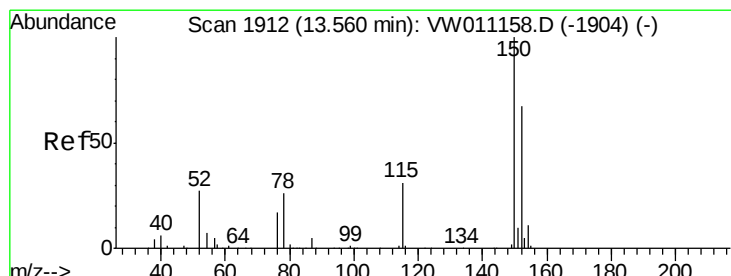
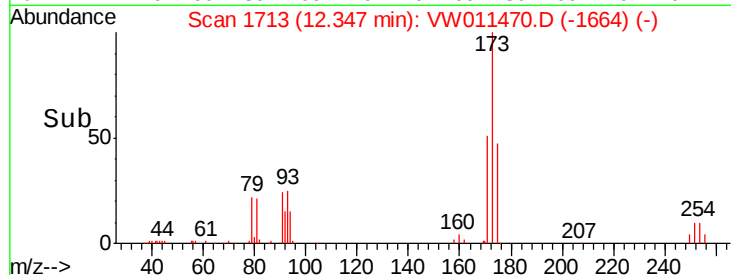
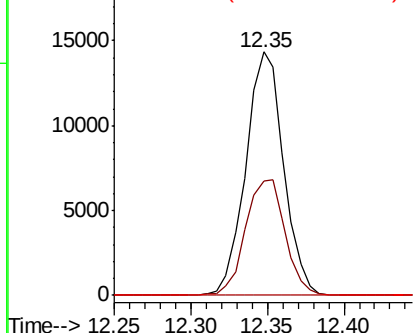
#71
Bromoform
Concen: 19.149 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW011470.D
Acq: 24 Jul 2019 13:07

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:173 Resp: 24624
Ion Ratio Lower Upper
173 100
175 49.8 24.8 74.3
254 0.0 0.0 0.0

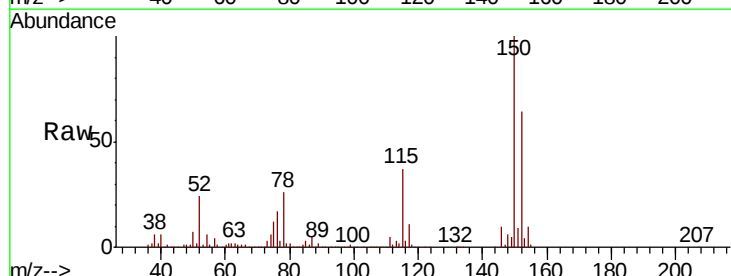


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

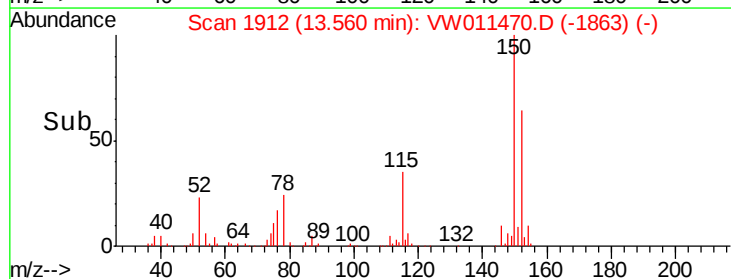
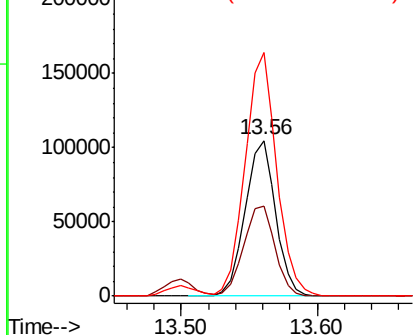


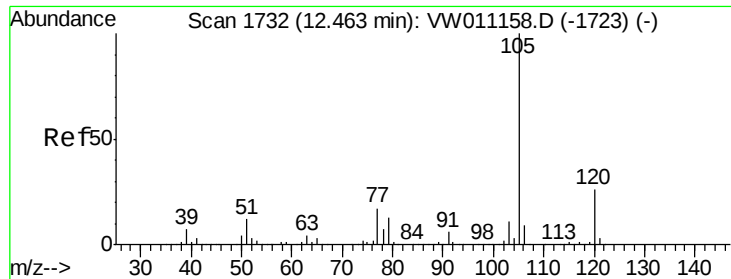
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011470.D
Acq: 24 Jul 2019 13:07

Tgt Ion:152 Resp: 163793
Ion Ratio Lower Upper
152 100
115 59.8 30.1 90.3
150 162.4 0.0 346.0



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





#73

Isopropylbenzene

Concen: 20.441 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011470.D

Acq: 24 Jul 2019 13:07

Instrument :

MSVOA_W

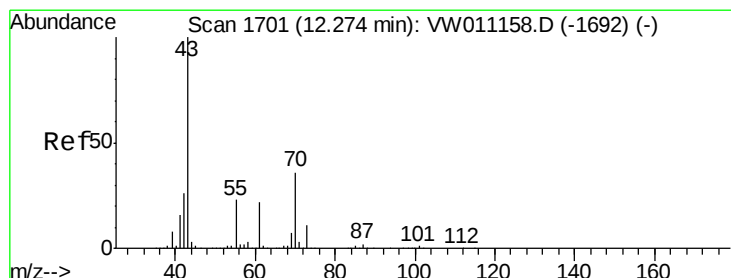
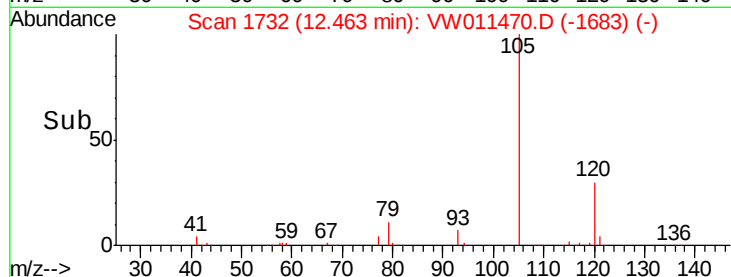
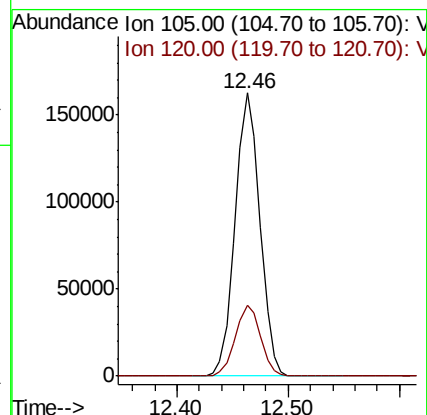
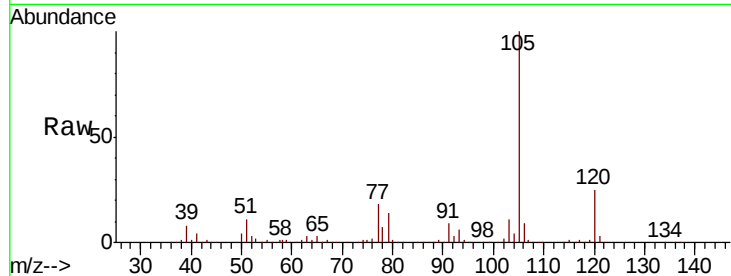
ClientSampleId :

Tot Ion:105 Resp: 250281

Ion Ratio Lower Upper

105 100

120 25.6 12.8 38.3



#74

N-ethyl acetate

Concen: 19.227 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011470.D

Acq: 24 Jul 2019 13:07

Tgt Ion: 43 Resp: 81991

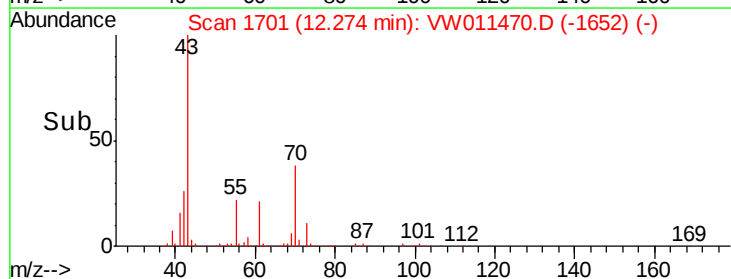
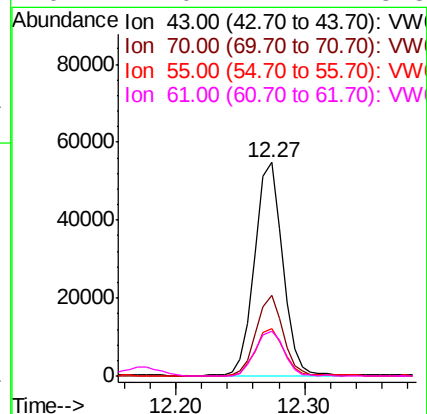
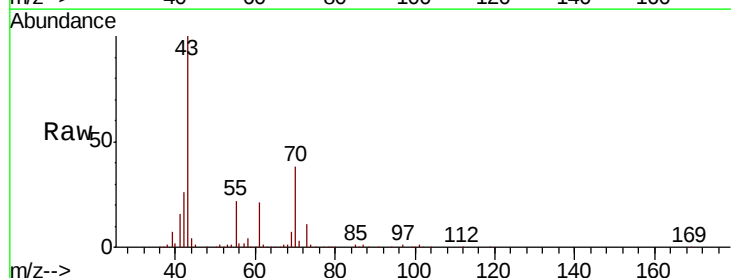
Ion Ratio Lower Upper

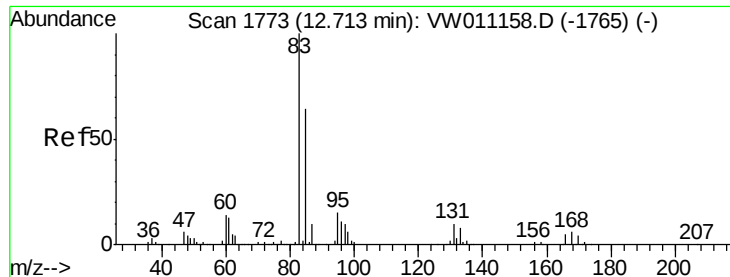
43 100

70 36.6 28.5 42.7

55 23.3 18.1 27.1

61 22.0 17.2 25.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.800 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011470.D

Acq: 24 Jul 2019 13:07

Instrument :

MSVOA_W

ClientSampleId :

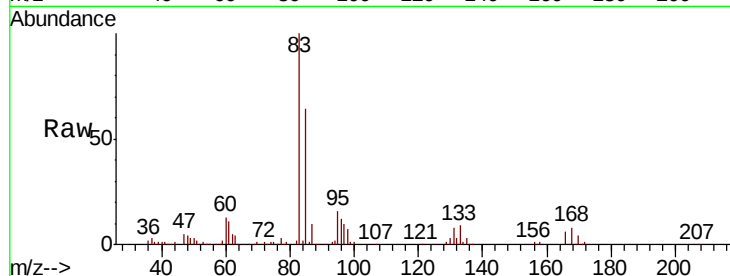
Tot Ion: 83 Resp: 49695

Ion Ratio Lower Upper

83 100

131 9.6 5.0 15.0

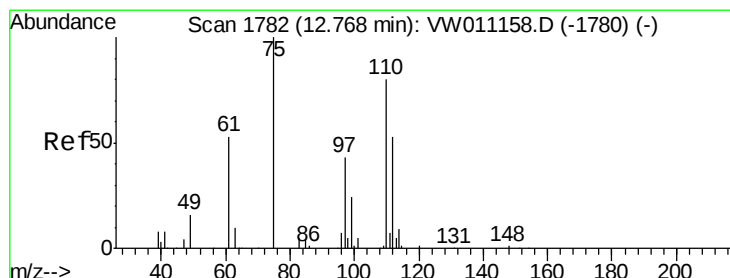
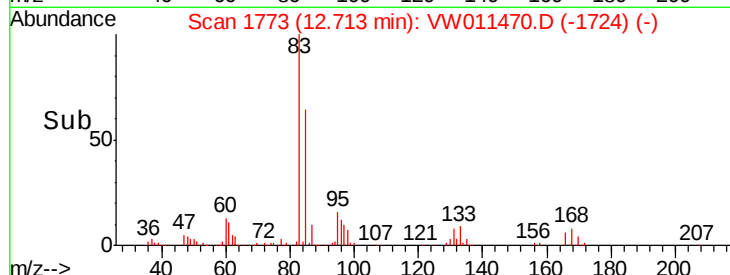
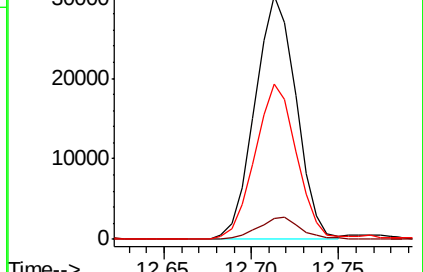
85 64.3 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VW011158.D (-1765) (-)

Ion 130.80 (130.50 to 131.50): VW011158.D (-1765) (-)

Ion 84.90 (84.60 to 85.60): VW011158.D (-1765) (-)



#76

1,2,3-Trichloropropane

Concen: 33.729 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011470.D

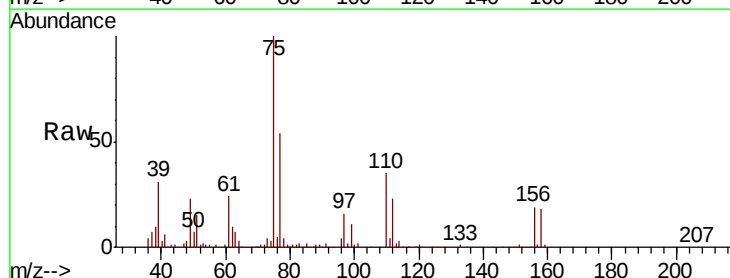
Acq: 24 Jul 2019 13:07

Tgt Ion: 75 Resp: 63843

Ion Ratio Lower Upper

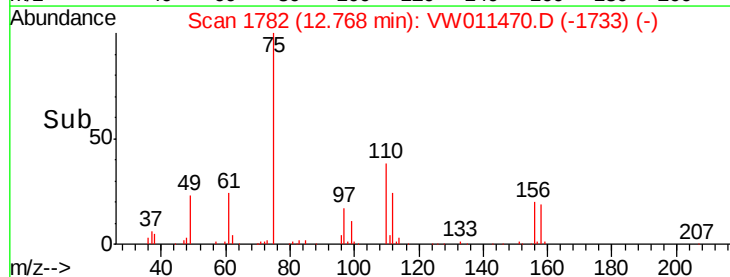
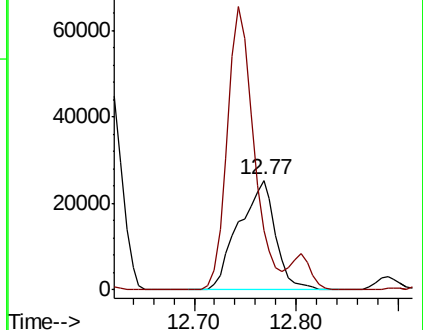
75 100

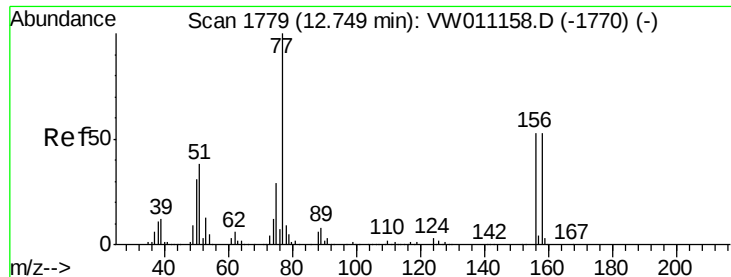
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW011158.D (-1780) (-)

Ion 77.00 (76.70 to 77.70): VW011158.D (-1780) (-)





#77

Bromobenzene

Concen: 20.341 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW011470.D

Acq: 24 Jul 2019 13:07

Instrument :

MSVOA_W

ClientSampled :

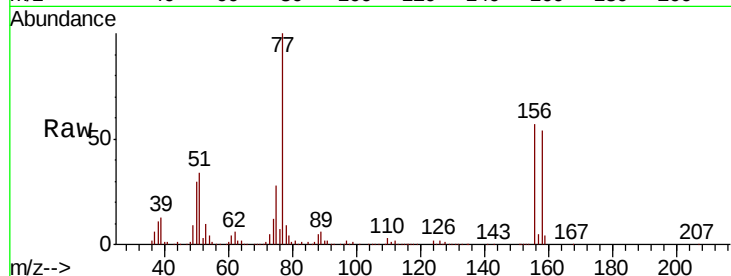
Tot Ion:156 Resp: 55893

Ion Ratio Lower Upper

156 100

77 212.7 109.0 327.0

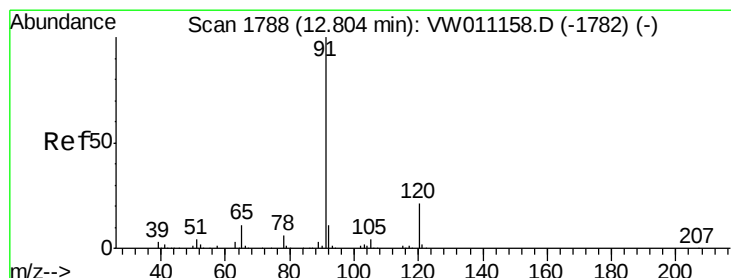
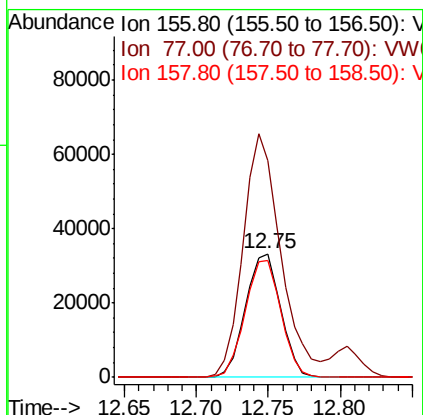
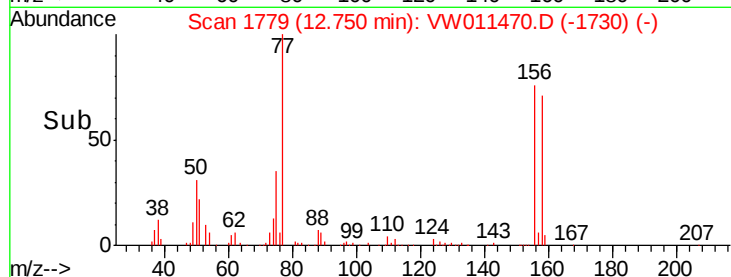
158 96.4 48.8 146.3



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: 19.989 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011470.D

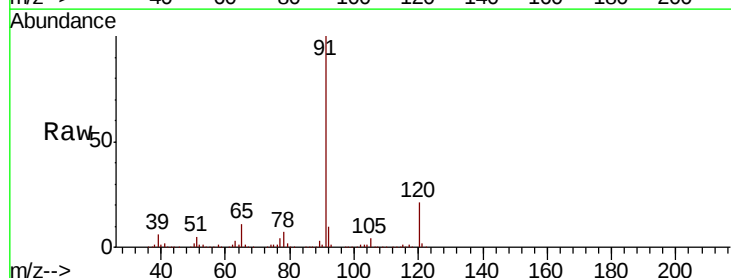
Acq: 24 Jul 2019 13:07

Tgt Ion: 91 Resp: 301502

Ion Ratio Lower Upper

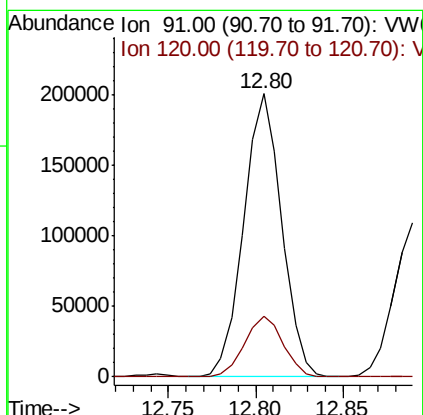
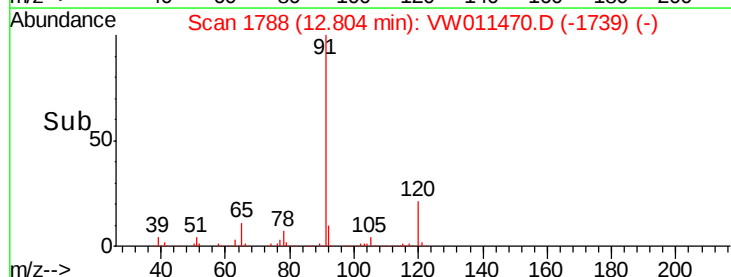
91 100

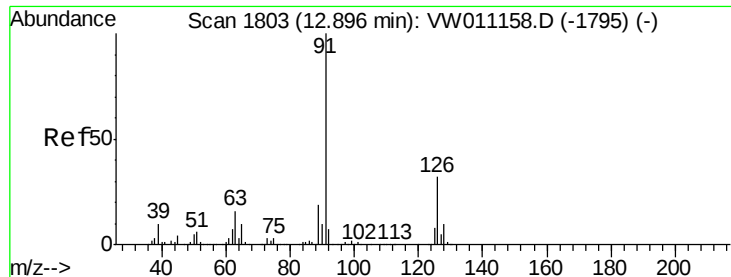
120 21.9 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

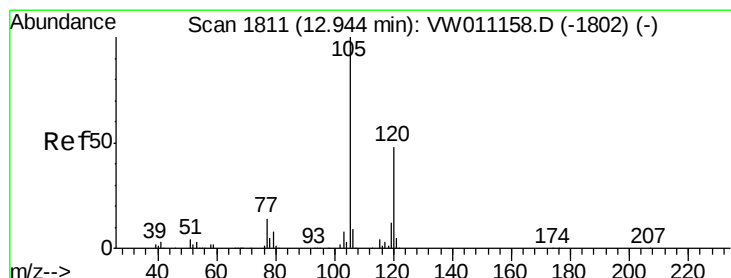
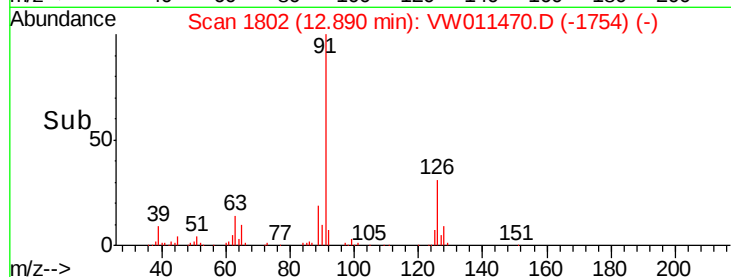
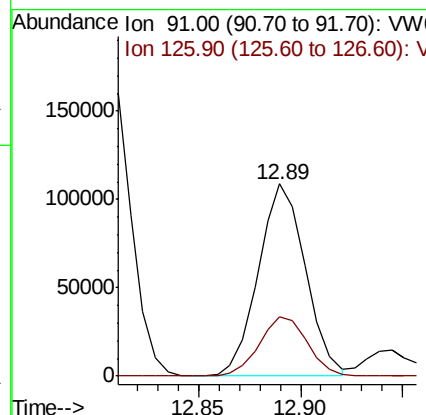
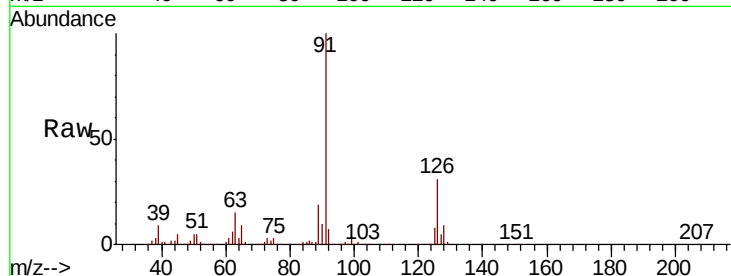




#79
 2-Chlorotoluene
 Concen: 20.088 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.01 min
 Lab File: VW011470.D
 Acq: 24 Jul 2019 13:07

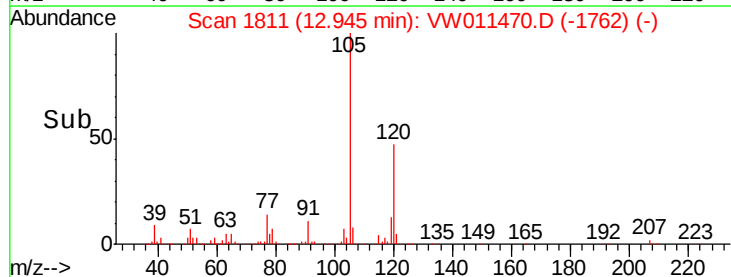
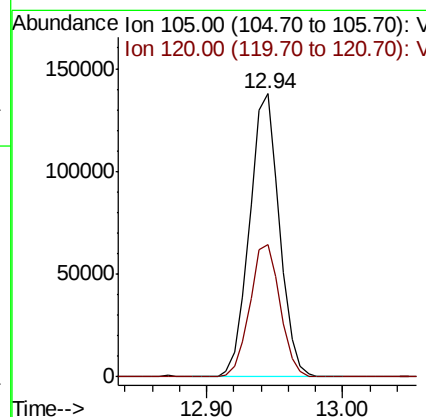
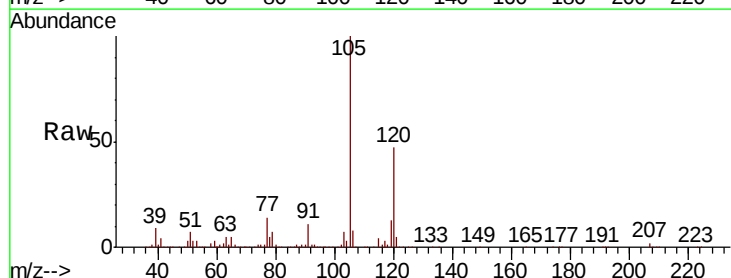
Instrument :
 MSVOA_W
 ClientSampleId :

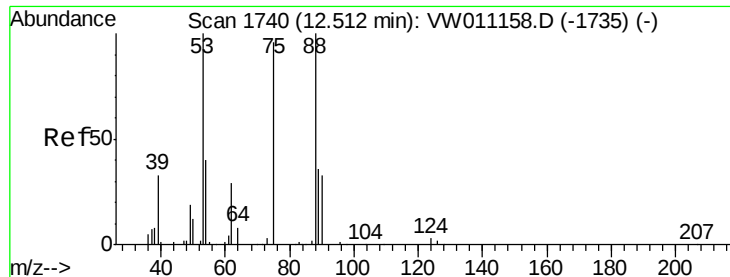
Tot Ion: 91 Resp: 174358
 Ion Ratio Lower Upper
 91 100
 126 31.5 15.8 47.3



#80
 1,3,5-Trimethylbenzene
 Concen: 20.325 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW011470.D
 Acq: 24 Jul 2019 13:07

Tgt Ion: 105 Resp: 211425
 Ion Ratio Lower Upper
 105 100
 120 47.9 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.188 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW011470.D

Acq: 24 Jul 2019 13:07

Instrument :

MSVOA_W

ClientSampleId :

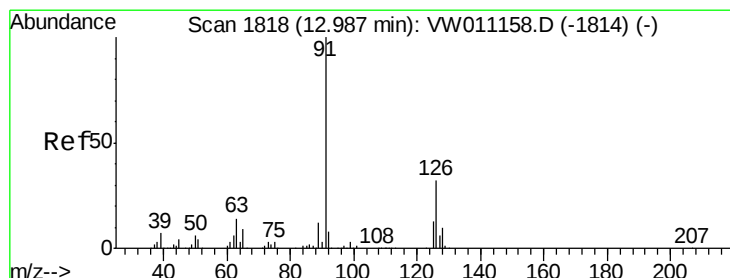
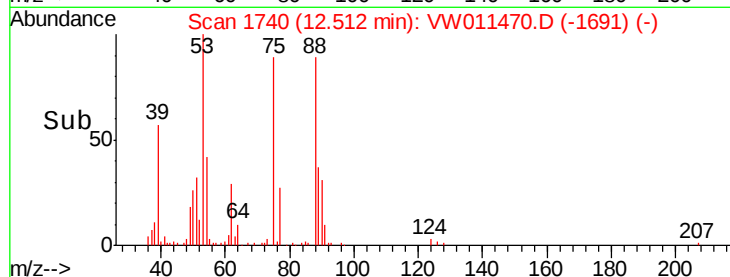
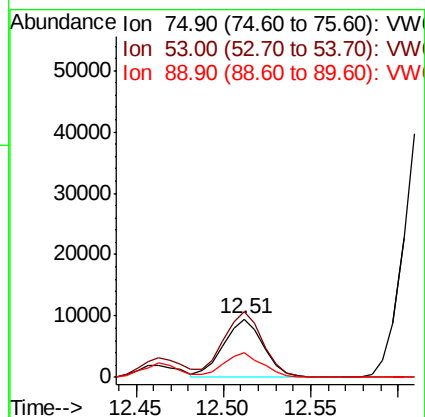
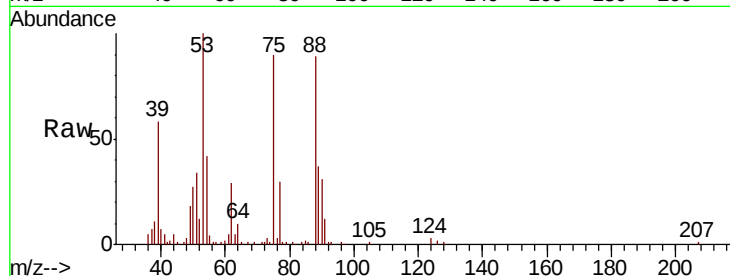
Tot Ion: 75 Resp: 15221

Ion Ratio Lower Upper

75 100

53 110.0 89.8 134.6

89 39.4 34.3 51.5



#82

4-Chlorotoluene

Concen: 20.366 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW011470.D

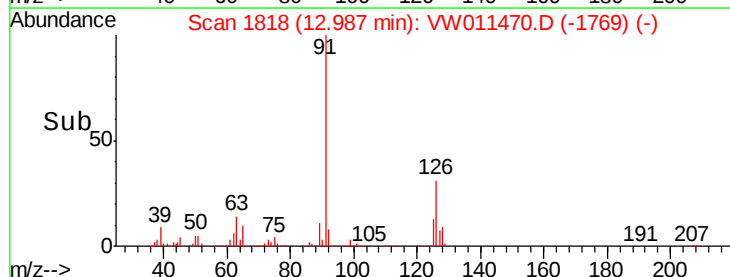
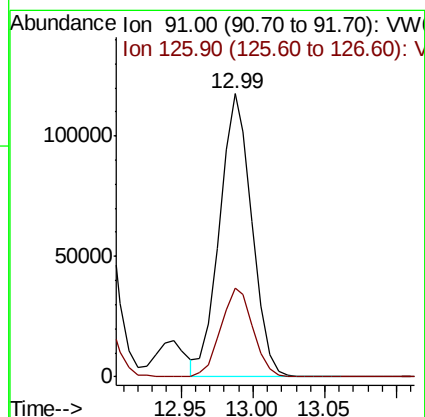
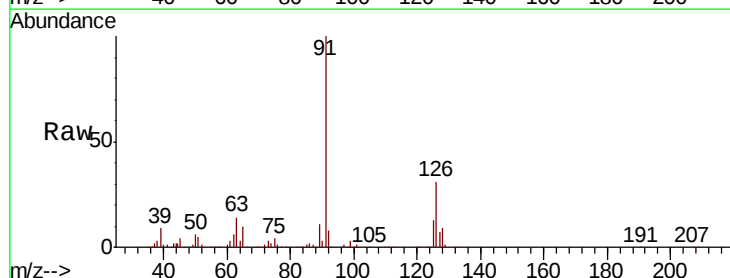
Acq: 24 Jul 2019 13:07

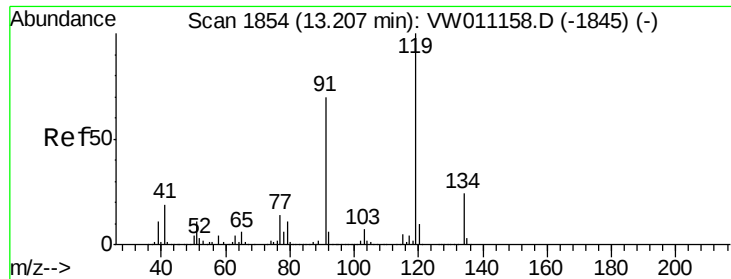
Tgt Ion: 91 Resp: 184115

Ion Ratio Lower Upper

91 100

126 31.4 15.7 47.1

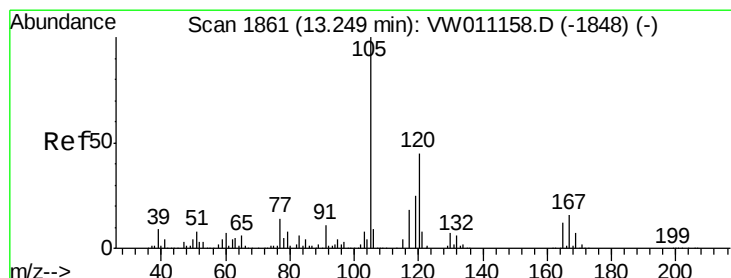
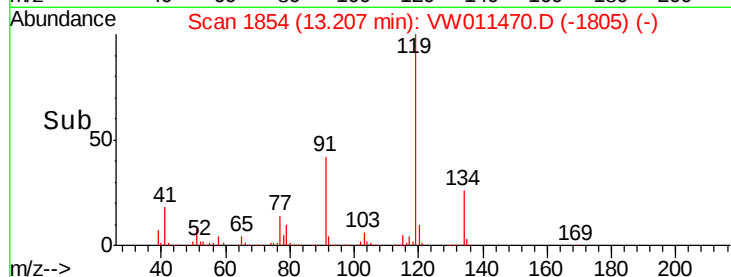
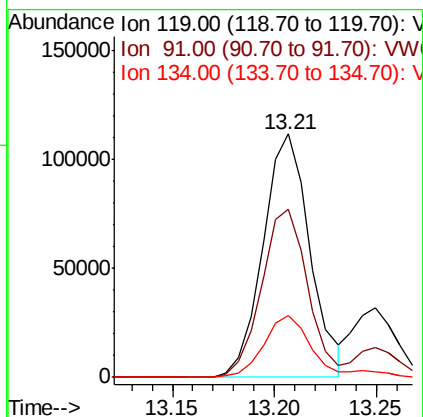
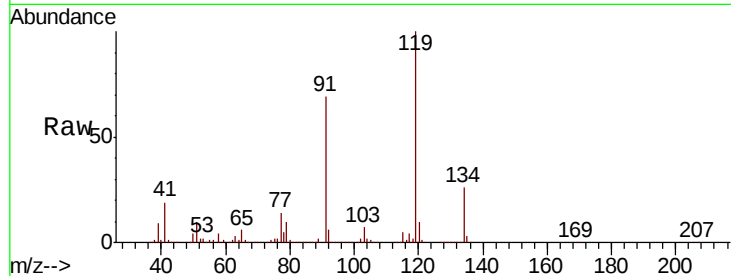




#83
tert-Butylbenzene
Concen: 20.660 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011470.D
Acq: 24 Jul 2019 13:07

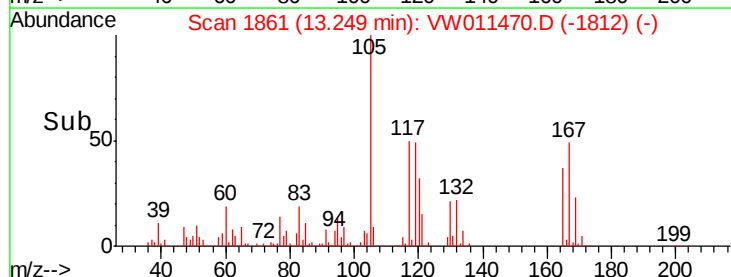
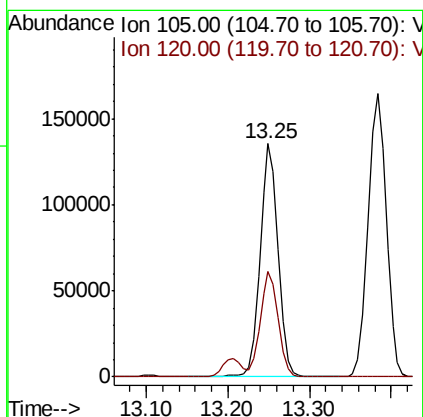
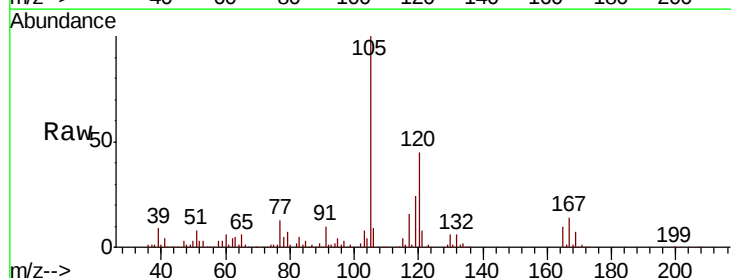
Instrument :
MSVOA_W
ClientSampled :

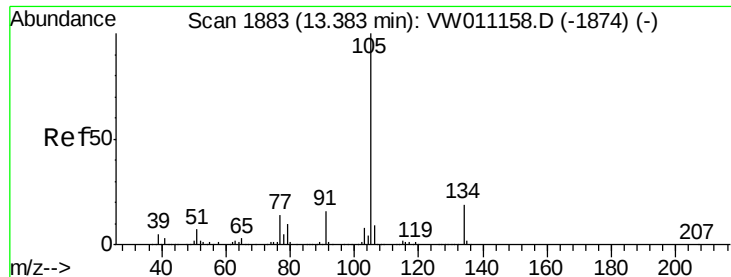
Tot Ion:119 Resp: 179231
Ion Ratio Lower Upper
119 100
91 68.0 35.4 106.3
134 25.1 13.4 40.2



#84
1,2,4-Trimethylbenzene
Concen: 20.106 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011470.D
Acq: 24 Jul 2019 13:07

Tgt Ion:105 Resp: 210003
Ion Ratio Lower Upper
105 100
120 44.5 22.3 66.9





#85

sec-Butylbenzene

Concen: 20.100 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011470.D

Acq: 24 Jul 2019 13:07

Instrument :

MSVOA_W

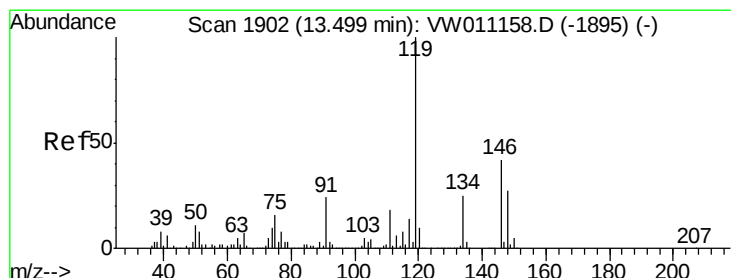
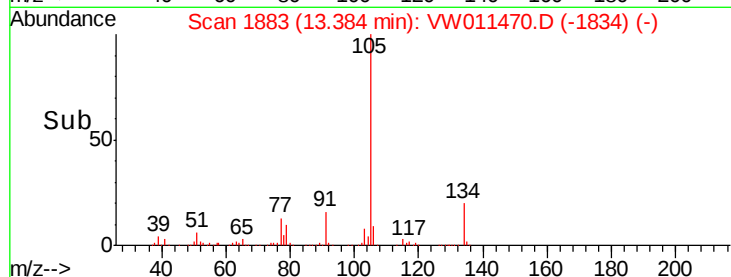
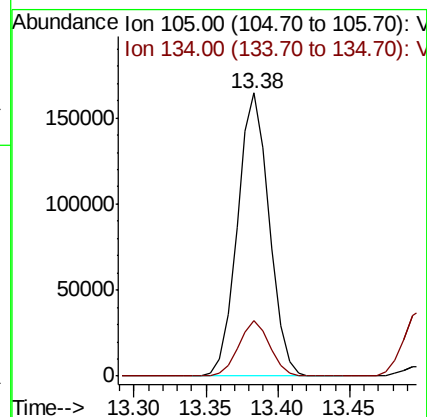
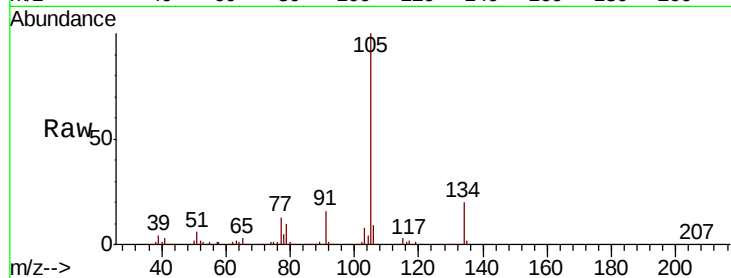
ClientSampleId :

Tot Ion:105 Resp: 251607

Ion Ratio Lower Upper

105 100

134 19.4 9.7 28.9



#86

p-Isopropyltoluene

Concen: 20.102 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011470.D

Acq: 24 Jul 2019 13:07

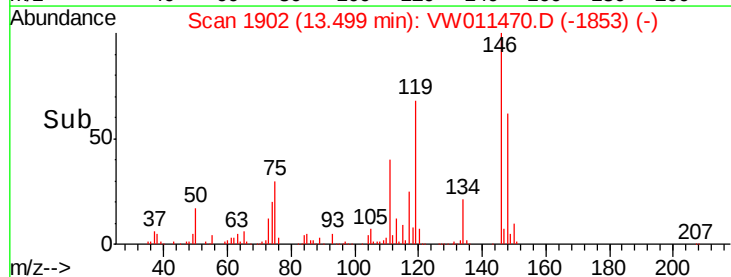
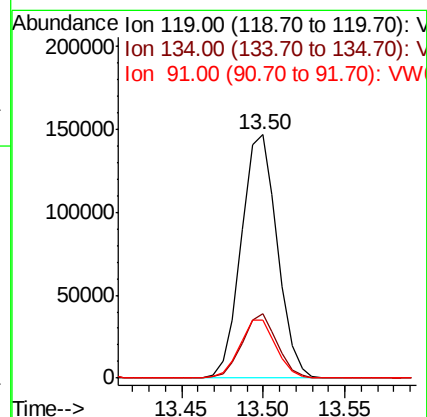
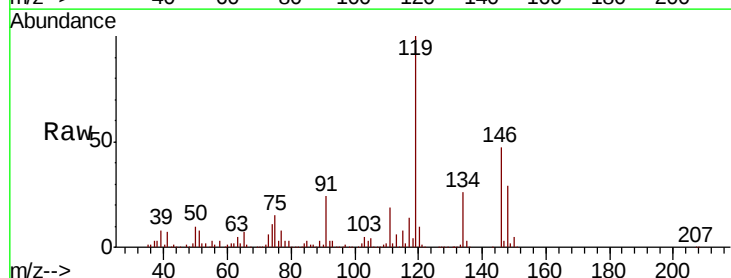
Tgt Ion:119 Resp: 225699

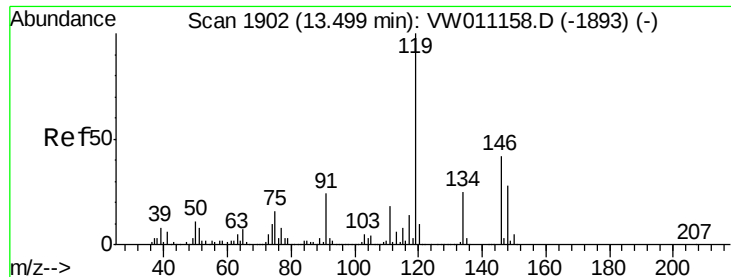
Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.6

91 23.9 12.3 36.8

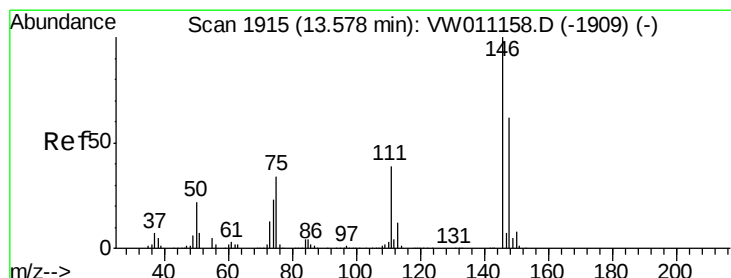
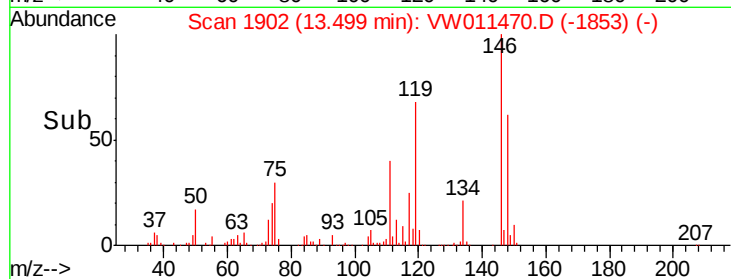
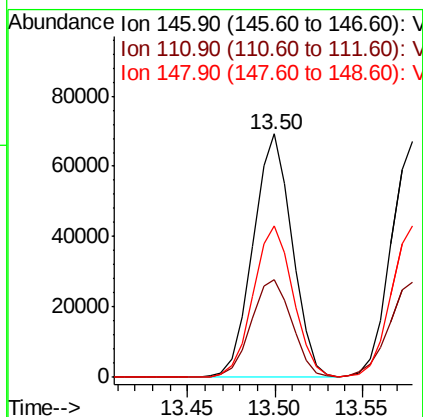
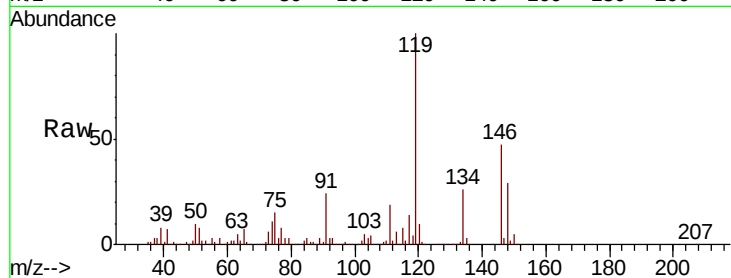




#87
 1,3-Dichlorobenzene
 Concen: 20.367 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011470.D
 Acq: 24 Jul 2019 13:07

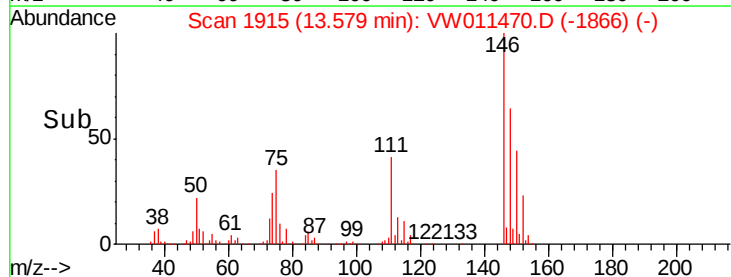
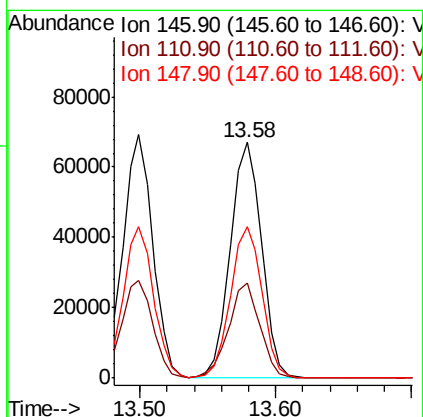
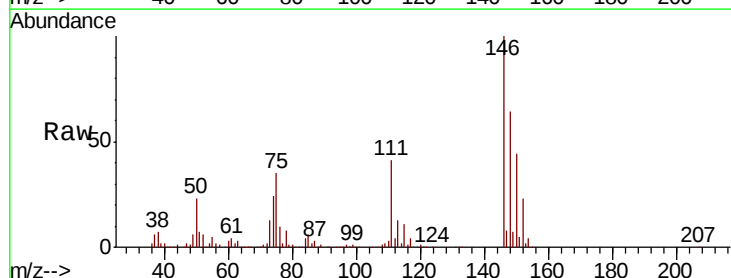
Instrument :
 MSVOA_W
 ClientSampled :

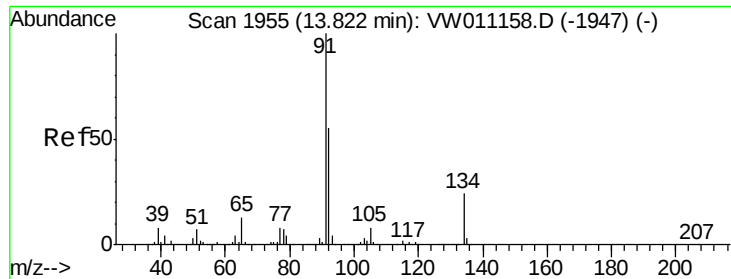
Tot Ion:146 Resp: 107673
 Ion Ratio Lower Upper
 146 100
 111 41.9 21.1 63.1
 148 63.4 32.6 97.7



#88
 1,4-Dichlorobenzene
 Concen: 20.132 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011470.D
 Acq: 24 Jul 2019 13:07

Tgt Ion:146 Resp: 107175
 Ion Ratio Lower Upper
 146 100
 111 40.7 19.9 59.7
 148 64.5 31.5 94.5





#89

n-Butylbenzene

Concen: 19.556 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW011470.D

Acq: 24 Jul 2019 13:07

Instrument :

MSVOA_W

ClientSampleId :

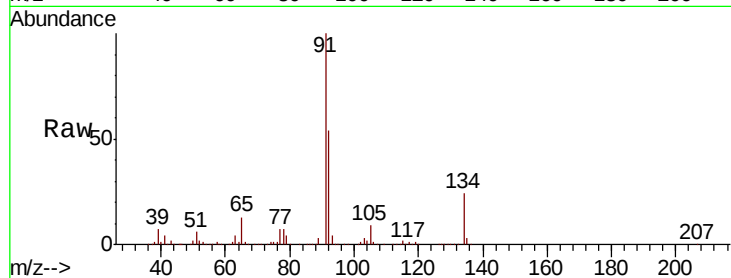
Tot Ion: 91 Resp: 219037

Ion Ratio Lower Upper

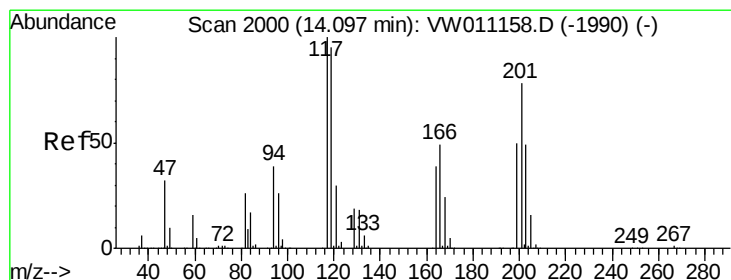
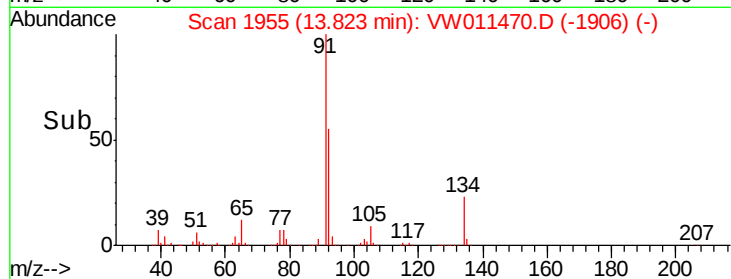
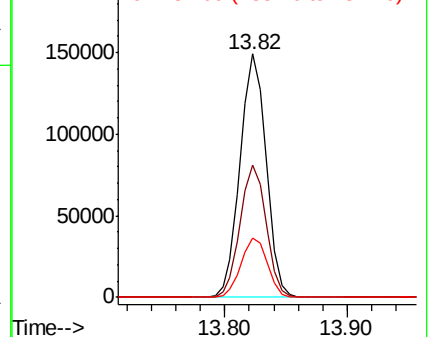
91 100

92 54.6 26.9 80.7

134 24.9 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 18.968 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.01 min

Lab File: VW011470.D

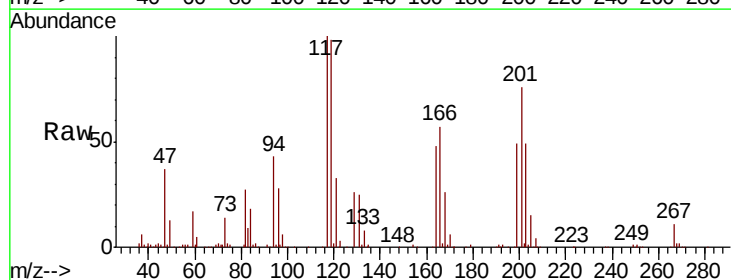
Acq: 24 Jul 2019 13:07

Tgt Ion: 117 Resp: 38917

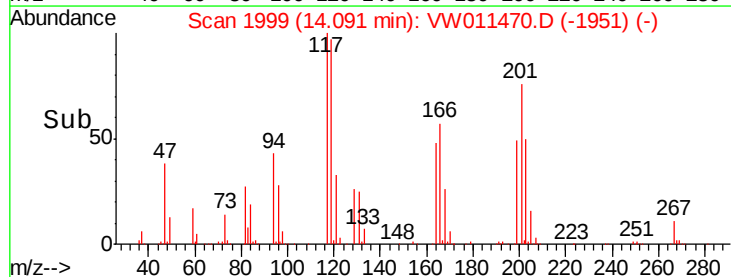
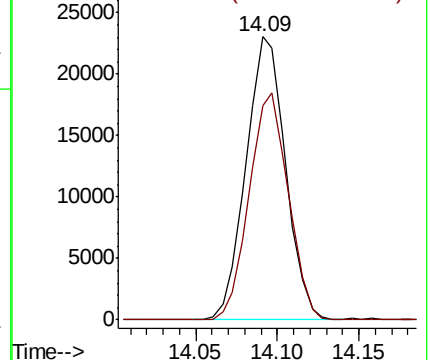
Ion Ratio Lower Upper

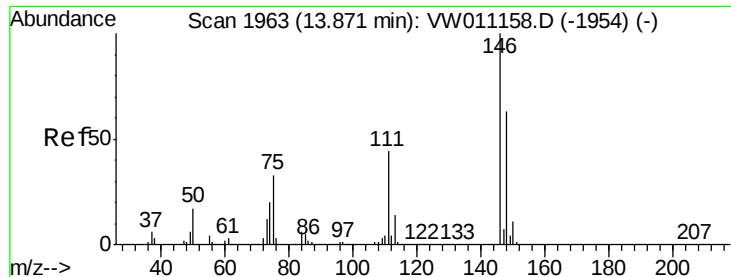
117 100

201 79.3 38.3 114.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 20.089 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW011470.D

Acq: 24 Jul 2019 13:07

Instrument :

MSVOA_W

ClientSampled :

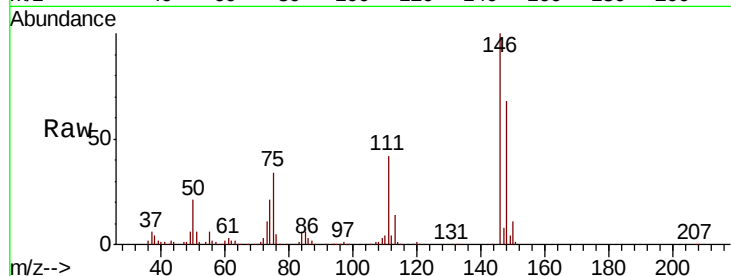
Tot Ion:146 Resp: 96351

Ion Ratio Lower Upper

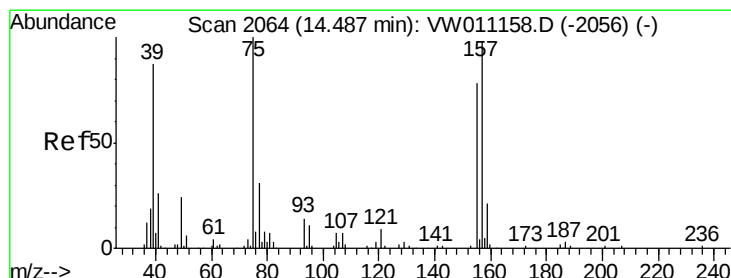
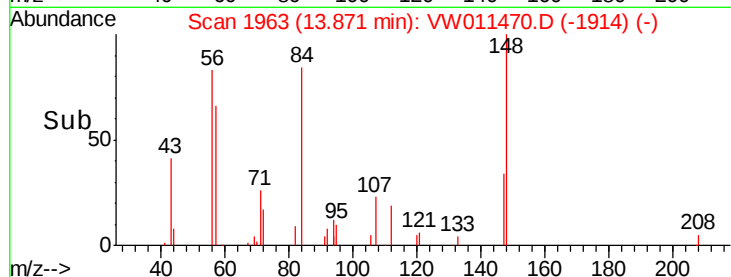
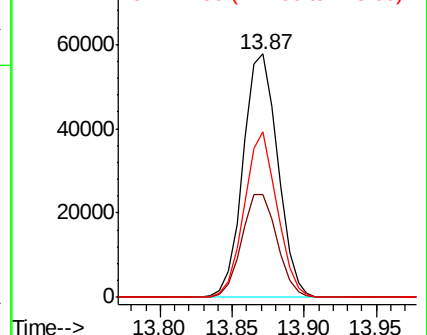
146 100

111 43.2 21.6 65.0

148 64.3 31.9 95.5



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.565 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW011470.D

Acq: 24 Jul 2019 13:07

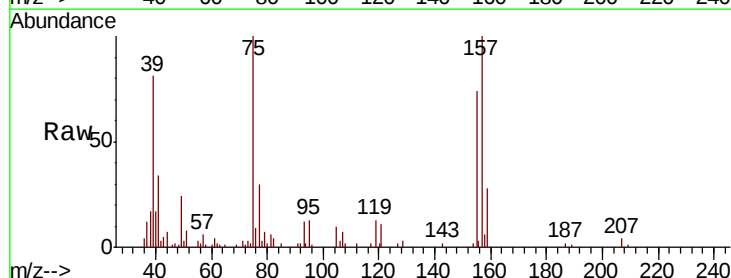
Tgt Ion: 75 Resp: 8265

Ion Ratio Lower Upper

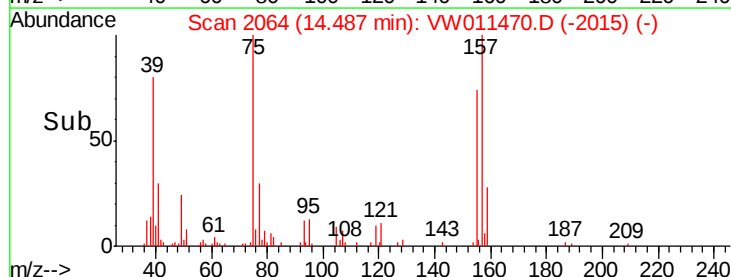
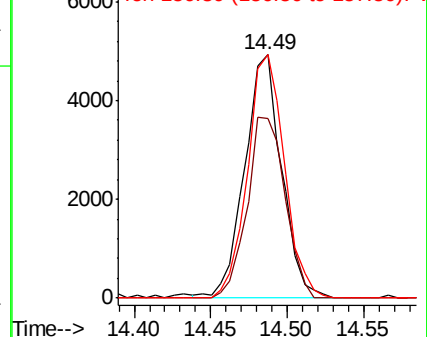
75 100

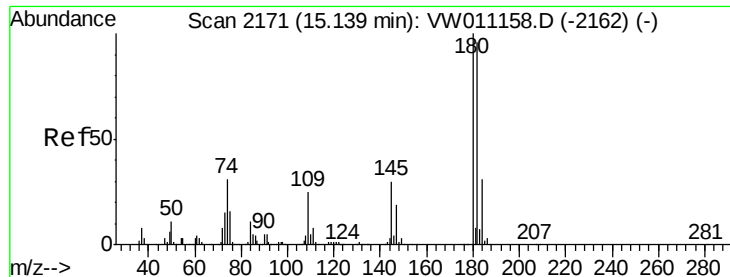
155 76.0 37.1 111.3

157 100.0 48.5 145.6



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

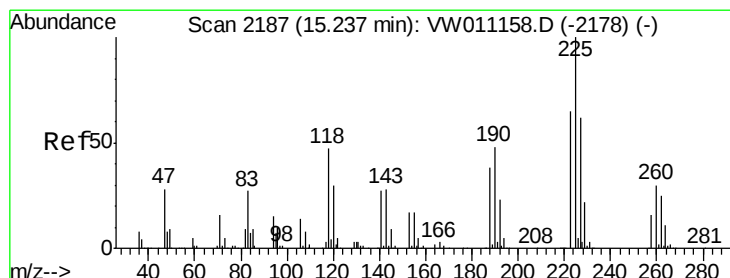
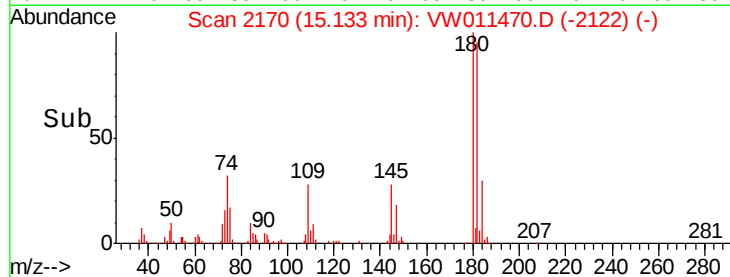
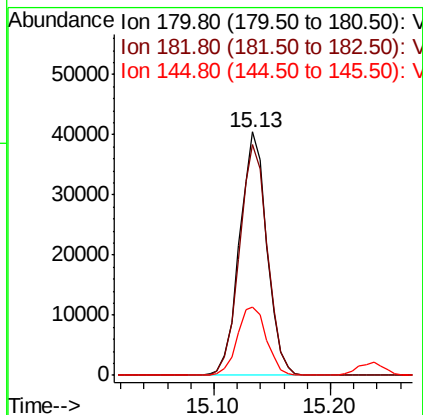
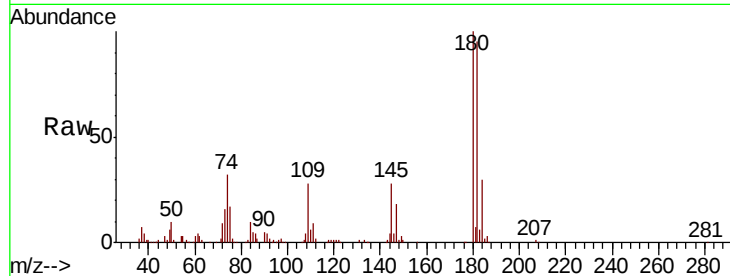




#93
 1,2,4-Trichlorobenzene
 Concen: 19.978 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW011470.D
 Acq: 24 Jul 2019 13:07

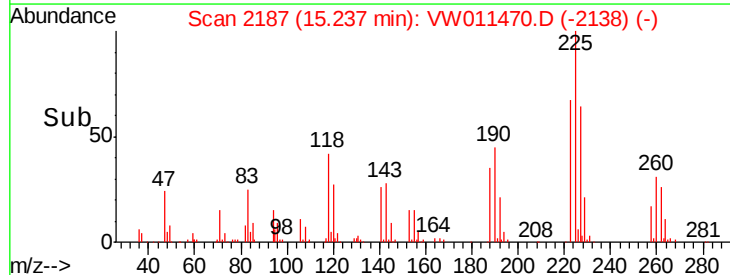
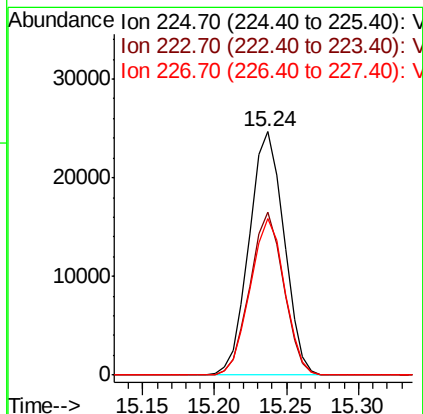
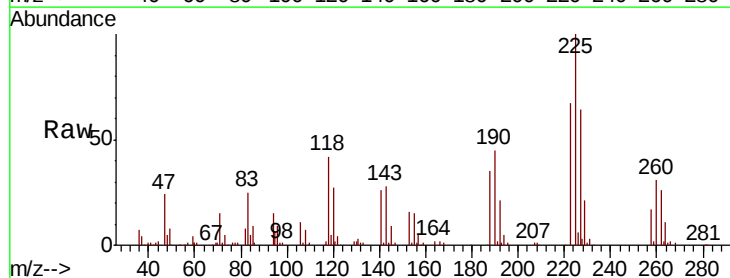
Instrument :
 MSVOA_W
 ClientSampleId :

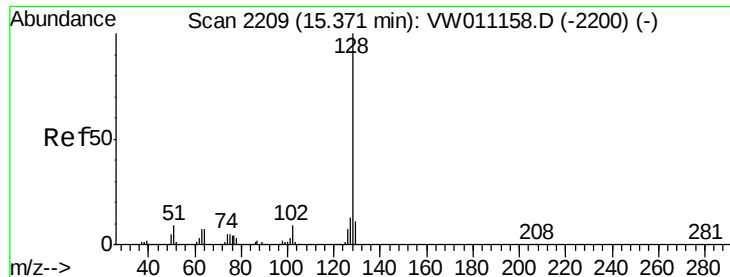
Tot Ion:180 Resp: 65999
 Ion Ratio Lower Upper
 180 100
 182 97.1 48.3 144.9
 145 30.2 15.5 46.5



#94
 Hexachlorobutadiene
 Concen: 20.352 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011470.D
 Acq: 24 Jul 2019 13:07

Tgt Ion:225 Resp: 41277
 Ion Ratio Lower Upper
 225 100
 223 64.6 31.6 95.0
 227 63.5 32.0 96.0

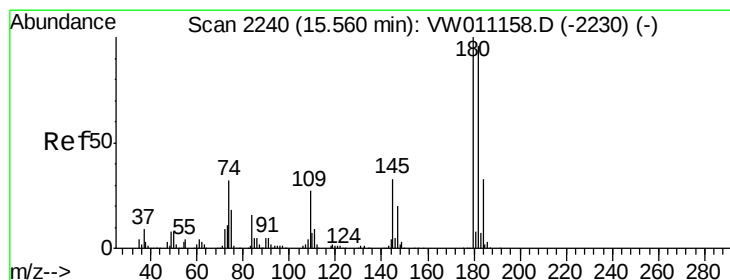
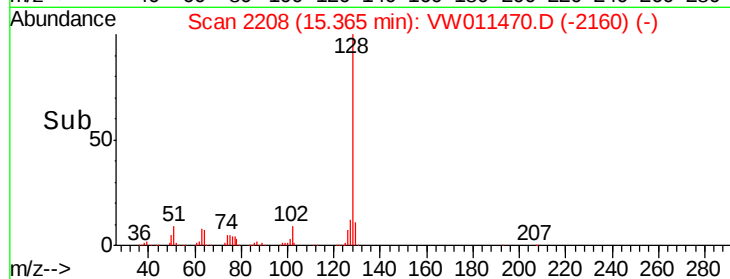
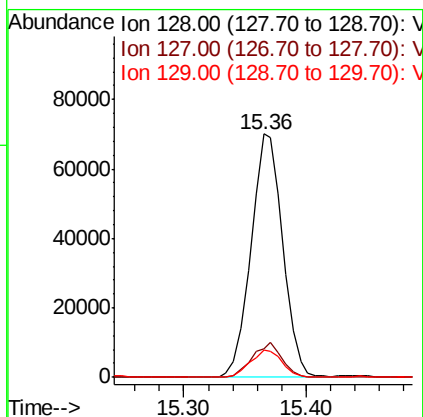
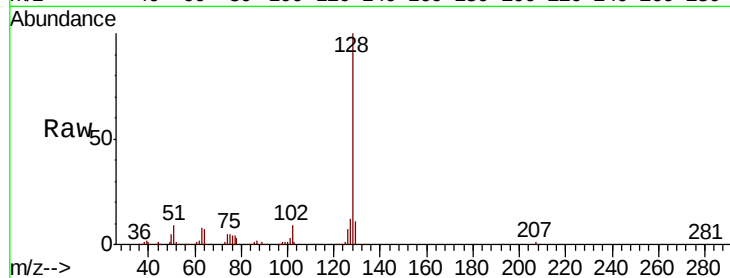




#95
Naphthalene
Concen: 20.019 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW011470.D
Acq: 24 Jul 2019 13:07

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 126729
Ion Ratio Lower Upper
128 100
127 13.6 10.6 16.0
129 11.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.098 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011470.D
Acq: 24 Jul 2019 13:07

Tgt Ion:180 Resp: 58597
Ion Ratio Lower Upper
180 100
182 92.9 47.6 142.8
145 31.6 16.5 49.5

