

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013199.D
 Acq On : 20 Sep 2019 23:10
 Operator : SY/VA
 Sample : VW0920SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 21 04:55:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	305634	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	420425	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	365231	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	187014	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	124526	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
35) Dibromofluoromethane	7.88	113	117069	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
50) Toluene-d8	10.32	98	494820	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
62) 4-Bromofluorobenzene	12.62	95	167334	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	33979	19.273	ug/l	98
3) Chloromethane	2.20	50	44413	19.597	ug/l	98
4) Vinyl Chloride	2.35	62	57856	19.802	ug/l	98
5) Bromomethane	2.76	94	34368	18.562	ug/l	99
6) Chloroethane	2.90	64	31622	18.361	ug/l	99
7) Trichlorofluoromethane	3.25	101	27526	16.338	ug/l	93
8) Diethyl Ether	3.67	74	28511	19.813	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	55846	20.360	ug/l	99
10) Methyl Iodide	4.26	142	74714	17.569	ug/l	99
11) Tert butyl alcohol	5.19	59	21248	112.783	ug/l #	93
12) 1,1-Dichloroethene	4.04	96	54268	19.106	ug/l	94
13) Acrolein	3.89	56	15801	110.041	ug/l	92
14) Allyl chloride	4.66	41	82500	18.251	ug/l	99
15) Acrylonitrile	5.37	53	77105	124.140	ug/l	100
16) Acetone	4.12	43	60833	108.144	ug/l	98
17) Carbon Disulfide	4.38	76	151999	18.515	ug/l	99
18) Methyl Acetate	4.67	43	42519	26.890	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	87779	20.165	ug/l	98
20) Methylene Chloride	4.90	84	58337	18.444	ug/l	94
21) trans-1,2-Dichloroethene	5.41	96	56687	18.466	ug/l	95
22) Diisopropyl ether	6.31	45	161472	18.785	ug/l	97
23) Vinyl Acetate	6.25	43	519008	101.776	ug/l	100
24) 1,1-Dichloroethane	6.21	63	98242	18.940	ug/l	98
25) 2-Butanone	7.17	43	101837	120.598	ug/l	97
26) 2,2-Dichloropropane	7.16	77	60644	17.366	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	60830	18.776	ug/l	98
28) Bromochloromethane	7.51	49	33669	16.913	ug/l #	98
29) Tetrahydrofuran	7.53	42	66755	128.905	ug/l	100
30) Chloroform	7.67	83	94256	18.561	ug/l	99
31) Cyclohexane	7.95	56	109825	20.312	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	80626	19.603	ug/l	98
36) 1,1-Dichloropropene	8.08	75	85433	20.980	ug/l	99
37) Ethyl Acetate	7.25	43	44822	25.899	ug/l	99
38) Carbon Tetrachloride	8.07	117	76103	20.848	ug/l	98

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Quant Time: Sep 21 04:55:29 2019
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 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	111110	21.232	ug/l	98
40) Benzene	8.32	78	227411	20.022	ug/l	99
41) Methacrylonitrile	7.48	41	22952	22.221	ug/l	90
42) 1,2-Dichloroethane	8.40	62	63766	20.884	ug/l	100
43) Isopropyl Acetate	8.42	43	78346	23.620	ug/l	96
44) Trichloroethene	9.09	130	63439	19.907	ug/l	100
45) 1,2-Dichloropropane	9.37	63	53834	19.413	ug/l	98
46) Dibromomethane	9.46	93	28662	21.289	ug/l	98
47) Bromodichloromethane	9.64	83	65870	19.228	ug/l	96
48) Methyl methacrylate	9.43	41	39982	25.634	ug/l	92
49) 1,4-Dioxane	9.46	88	12046	596.072	ug/l #	89
51) 4-Methyl-2-Pentanone	10.21	43	215828	129.793	ug/l	99
52) Toluene	10.38	92	145412	19.976	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	68050	19.335	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	81720	19.096	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	42978	21.358	ug/l	96
56) Ethyl methacrylate	10.65	69	59398	22.554	ug/l	97
57) 1,3-Dichloropropane	10.93	76	74888	21.326	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	141946	116.427	ug/l	100
59) 2-Hexanone	10.97	43	146963	128.459	ug/l	99
60) Dibromochloromethane	11.13	129	46922	20.535	ug/l	98
61) 1,2-Dibromoethane	11.23	107	41444	21.661	ug/l	99
64) Tetrachloroethene	10.86	164	60117	21.694	ug/l	99
65) Chlorobenzene	11.65	112	149574	19.612	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	50161	19.252	ug/l	98
67) Ethyl Benzene	11.73	91	276653	20.020	ug/l	100
68) m/p-Xylenes	11.83	106	211503	40.165	ug/l	99
69) o-Xylene	12.16	106	95815	19.571	ug/l	100
70) Styrene	12.18	104	167667	19.948	ug/l	99
71) Bromoform	12.35	173	28919	21.009	ug/l #	96
73) Isopropylbenzene	12.46	105	281610	20.384	ug/l	100
74) N-amyl acetate	12.27	43	67438	21.999	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	51750	22.398	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	64810	39.241	ug/l #	100
77) Bromobenzene	12.74	156	63493	19.395	ug/l	95
78) n-propylbenzene	12.80	91	318297	19.683	ug/l	99
79) 2-Chlorotoluene	12.89	91	182400	20.134	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	233425	20.101	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	15579	21.166	ug/l	93
82) 4-Chlorotoluene	12.99	91	182740	19.128	ug/l	98
83) tert-Butylbenzene	13.21	119	204570	20.070	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	228405	19.765	ug/l	97
85) sec-Butylbenzene	13.38	105	288055	20.498	ug/l	100
86) p-Isopropyltoluene	13.50	119	264597	20.301	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	122202	19.395	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	122898	19.889	ug/l	99
89) n-Butylbenzene	13.82	91	234748	19.725	ug/l	99
90) Hexachloroethane	14.09	117	43359	19.802	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	109256	20.044	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	9072	25.671	ug/l	98

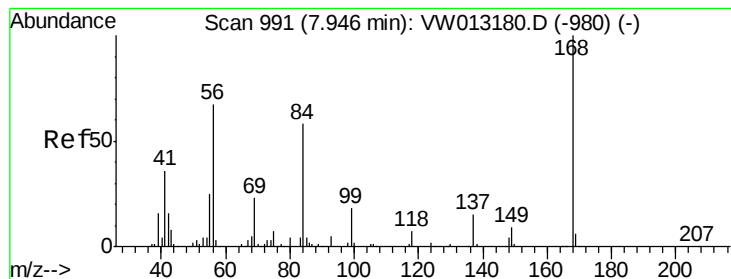
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	75170	19.245	ug/l	99
94) Hexachlorobutadiene	15.23	225	51749	19.366	ug/l	96
95) Naphthalene	15.36	128	139120	21.778	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	65645	19.451	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013199.D

Acq: 20 Sep 2019 23:10

Instrument :

MSVOA_W

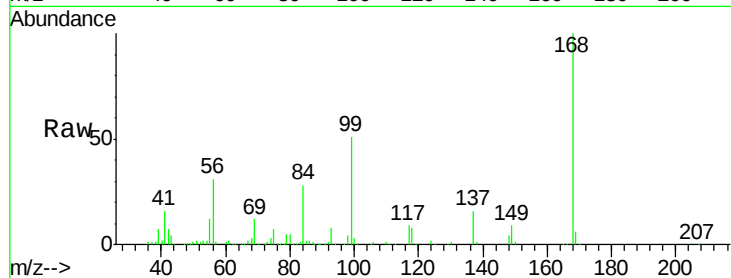
ClientSampleId :

Tot Ion:168 Resp: 305634

Ion Ratio Lower Upper

168 100

99 50.6 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

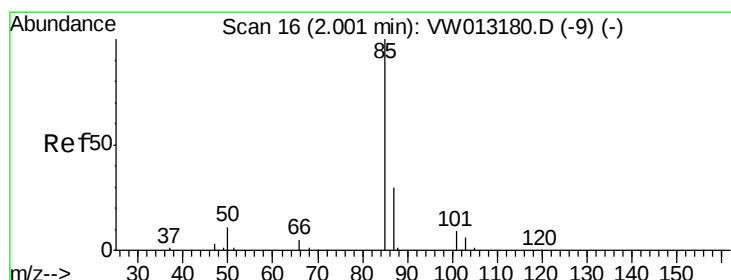
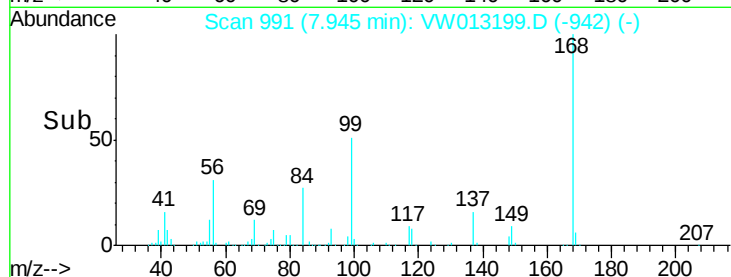
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 19.273 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

Lab File: VW013199.D

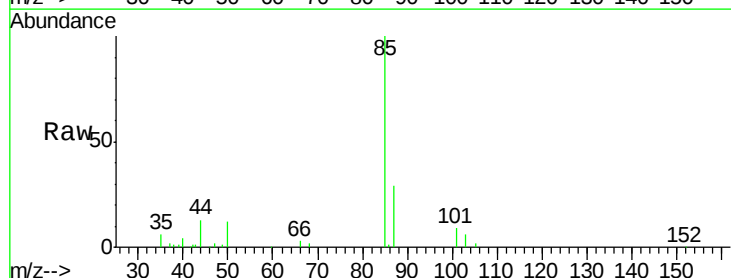
Acq: 20 Sep 2019 23:10

Tgt Ion: 85 Resp: 33979

Ion Ratio Lower Upper

85 100

87 29.1 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

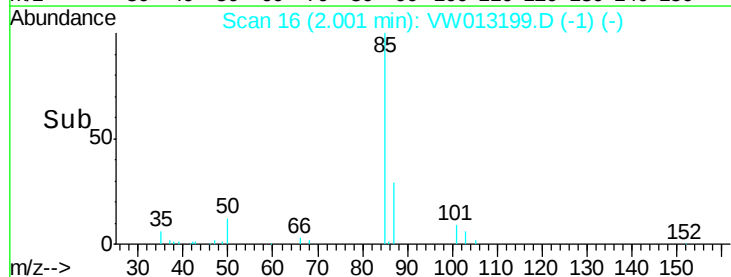
15000

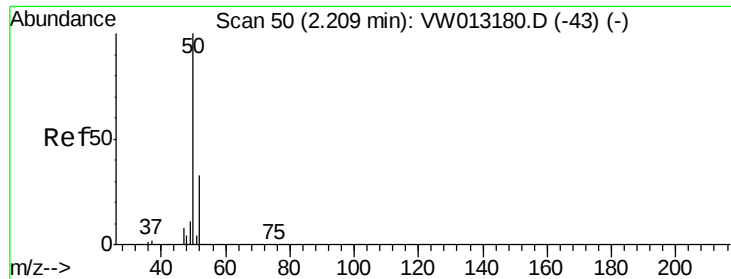
10000

5000

0

Time--> 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 19.597 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013199.D

Acq: 20 Sep 2019 23:10

Instrument :

MSVOA_W

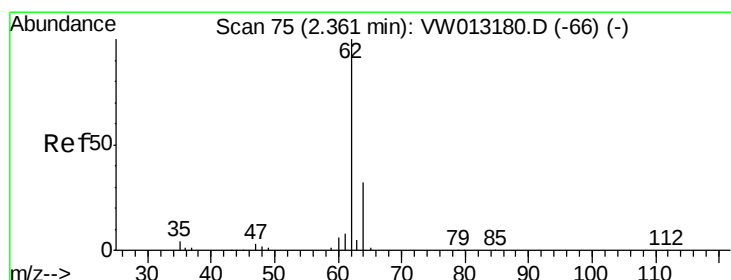
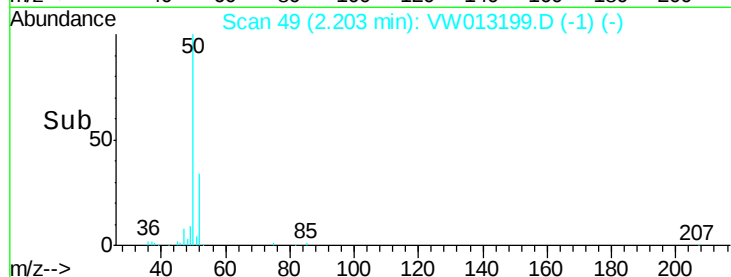
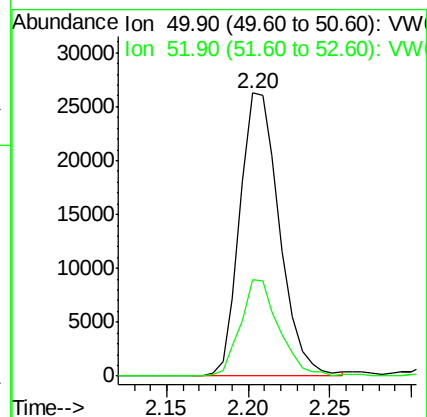
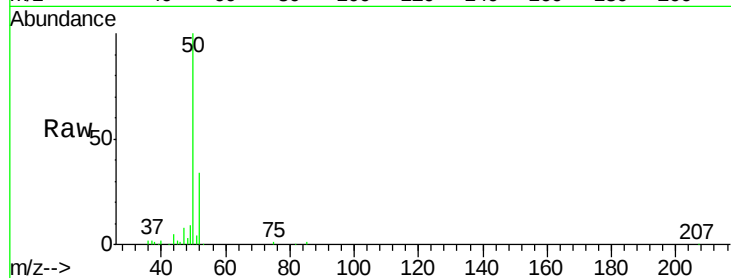
ClientSampled :

Tot Ion: 50 Resp: 44413

Ion Ratio Lower Upper

50 100

52 33.9 26.1 39.1



#4

Vinyl Chloride

Concen: 19.802 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW013199.D

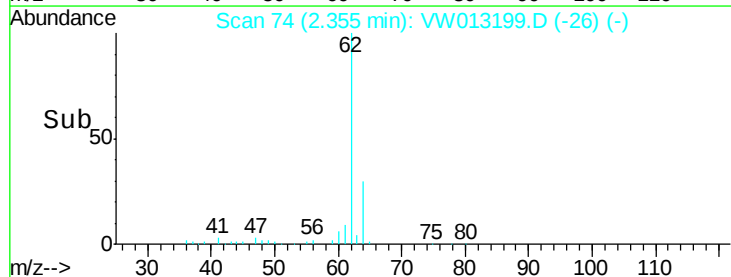
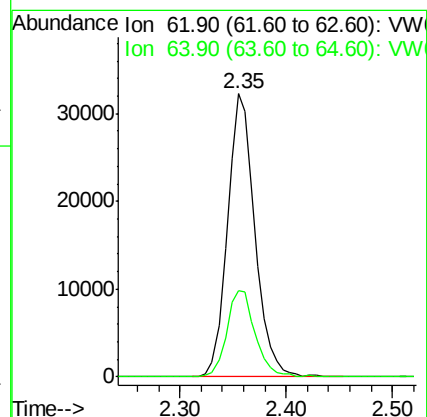
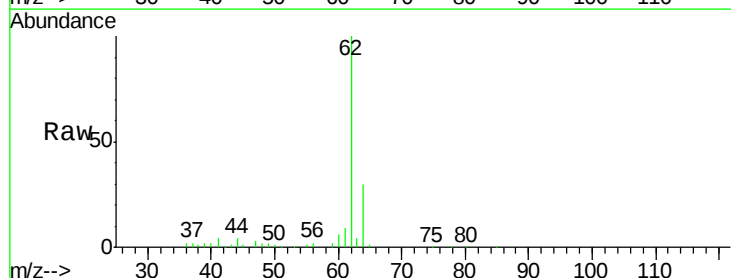
Acq: 20 Sep 2019 23:10

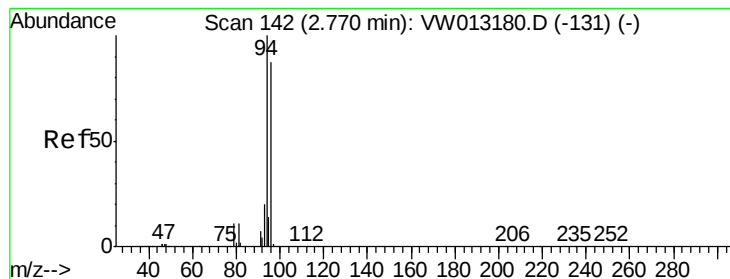
Tgt Ion: 62 Resp: 57856

Ion Ratio Lower Upper

62 100

64 30.4 25.3 37.9





#5

Bromomethane

Concen: 18.562 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW013199.D

Acq: 20 Sep 2019 23:10

Instrument :

MSVOA_W

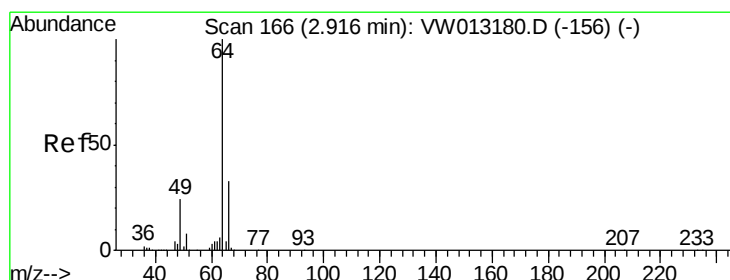
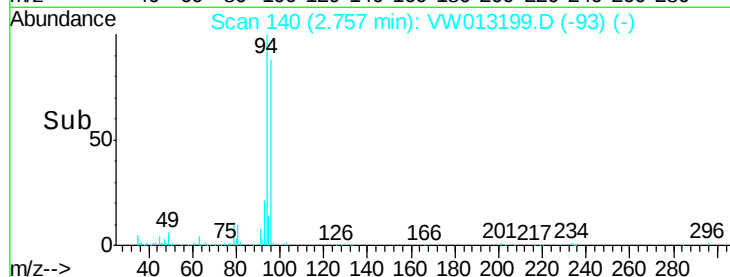
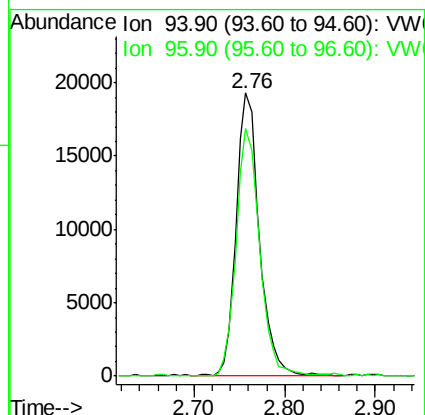
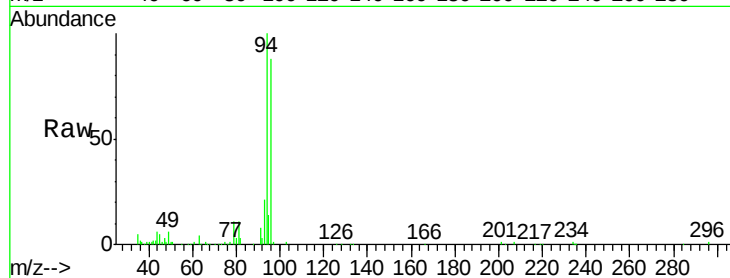
ClientSampleId :

Tot Ion: 94 Resp: 34368

Ion Ratio Lower Upper

94 100

96 87.6 69.7 104.5



#6

Chloroethane

Concen: 18.361 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW013199.D

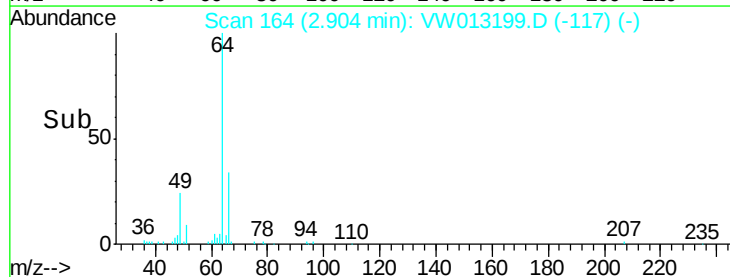
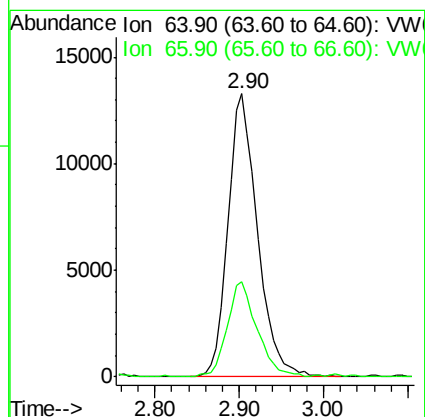
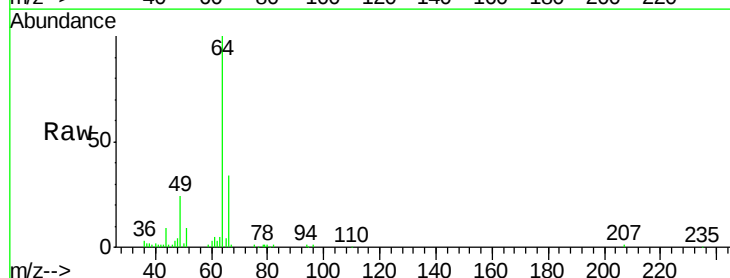
Acq: 20 Sep 2019 23:10

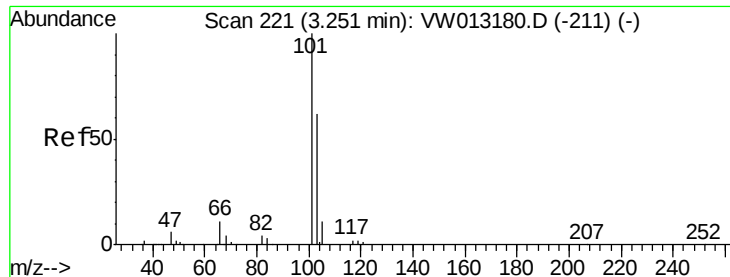
Tgt Ion: 64 Resp: 31622

Ion Ratio Lower Upper

64 100

66 33.8 26.6 39.8



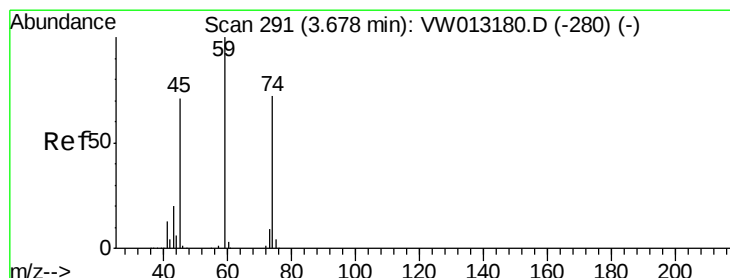
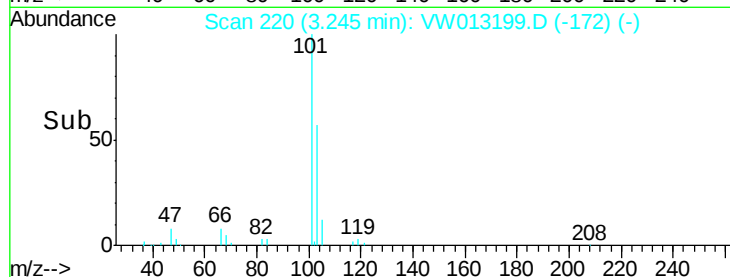
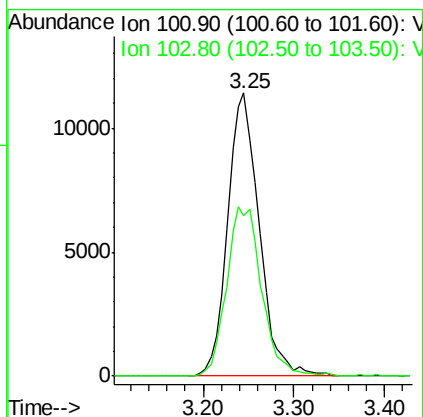
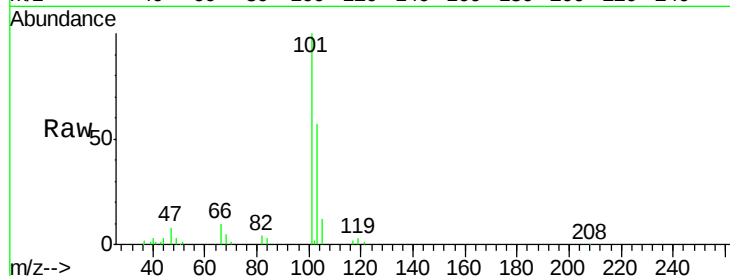


#7

Trichlorofluoromethane
 Concen: 16.338 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Instrument :
 MSVOA_W
 ClientSampled :

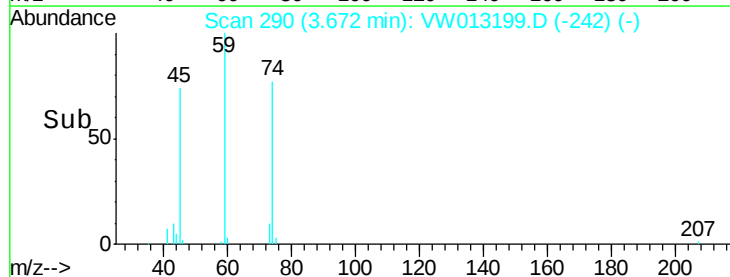
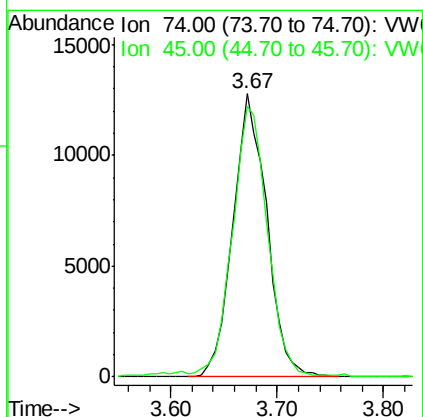
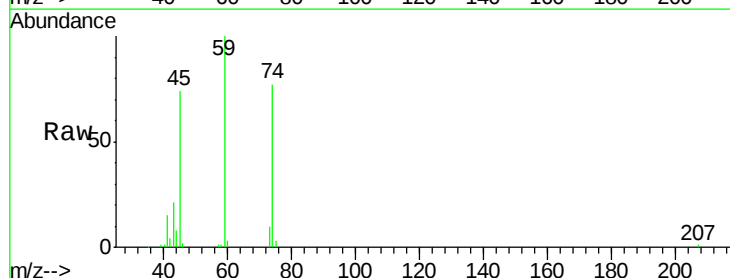
Tot Ion:101 Resp: 27526
 Ion Ratio Lower Upper
 101 100
 103 56.8 49.7 74.5

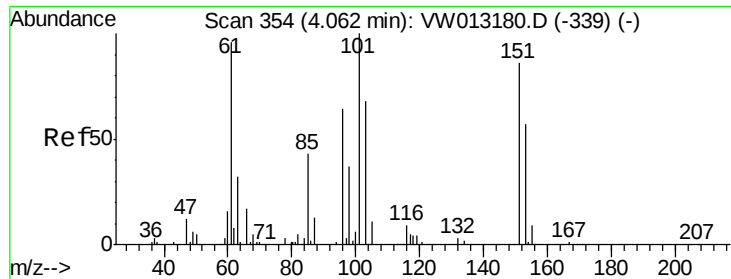


#8

Diethyl Ether
 Concen: 19.813 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Tgt Ion: 74 Resp: 28511
 Ion Ratio Lower Upper
 74 100
 45 98.3 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.360 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013199.D

Acq: 20 Sep 2019 23:10

Instrument :

MSVOA_W

ClientSampleId :

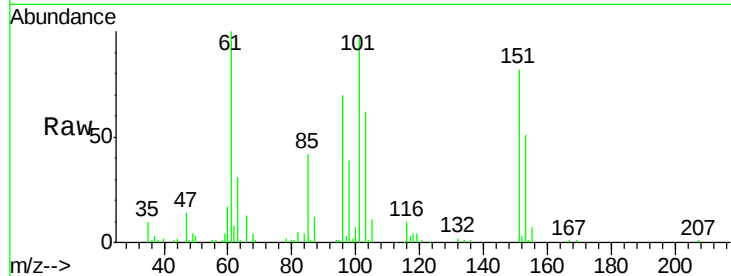
Tot Ion:101 Resp: 55846

Ion Ratio Lower Upper

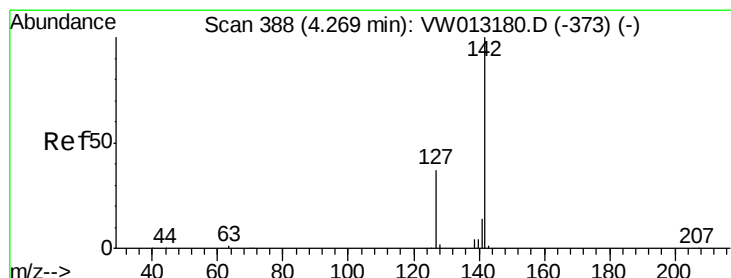
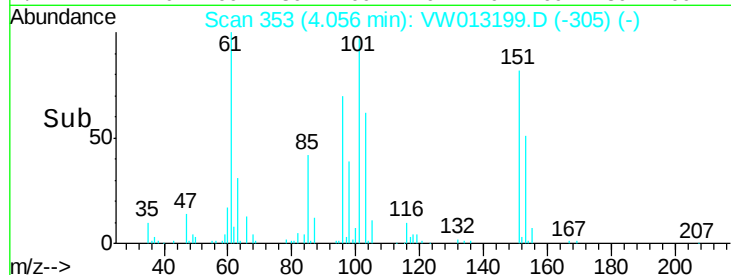
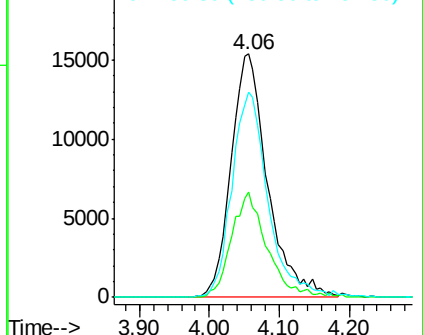
101 100

85 41.5 33.4 50.0

151 82.8 66.9 100.3



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: 17.569 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW013199.D

Acq: 20 Sep 2019 23:10

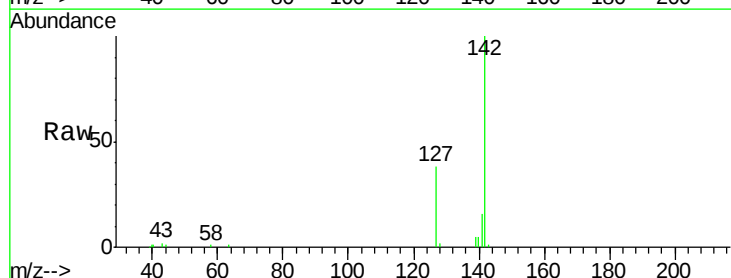
Tgt Ion:142 Resp: 74714

Ion Ratio Lower Upper

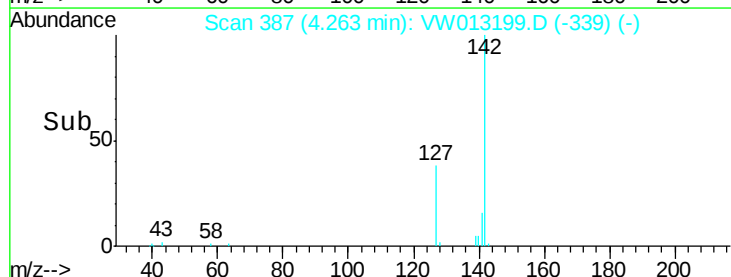
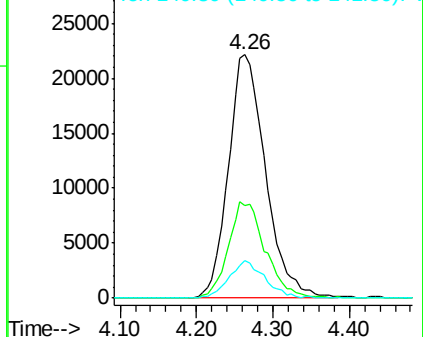
142 100

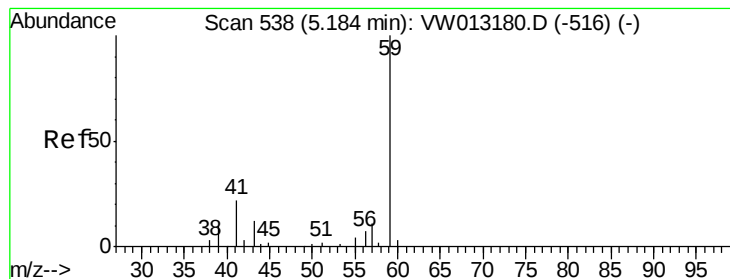
127 39.2 30.9 46.3

141 14.8 11.7 17.5



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: 112.783 ug/l

RT: 5.19 min Scan# 539

Delta R.T. 0.01 min

Lab File: VW013199.D

Acq: 20 Sep 2019 23:10

Instrument :

MSVOA_W

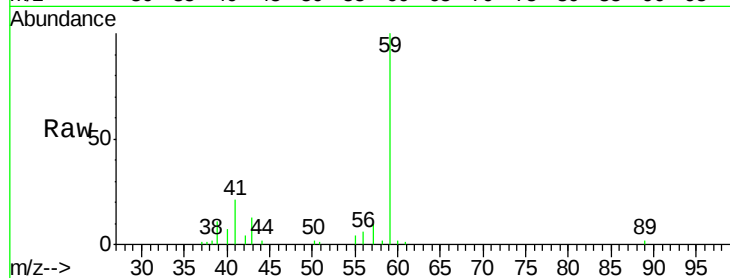
ClientSampleId :

Tot Ion: 59 Resp: 21248

Ion Ratio Lower Upper

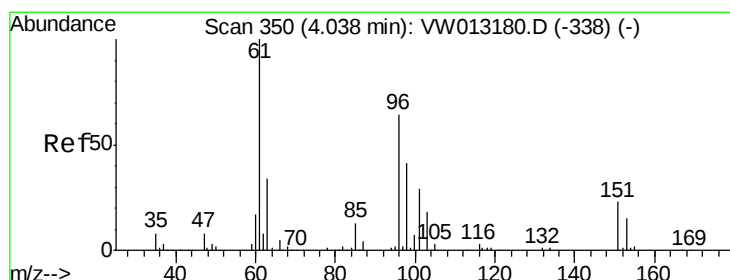
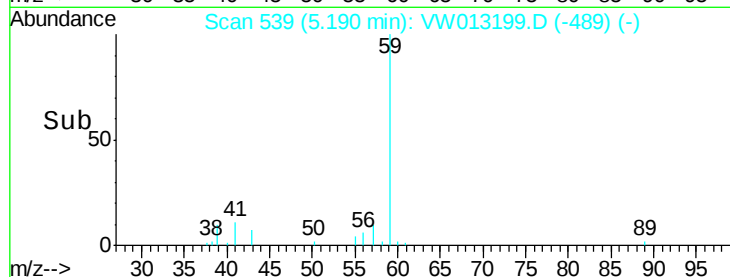
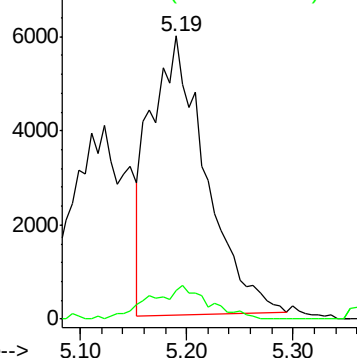
59 100

57 7.6 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#12

1,1-Dichloroethene

Concen: 19.106 ug/l

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW013199.D

Acq: 20 Sep 2019 23:10

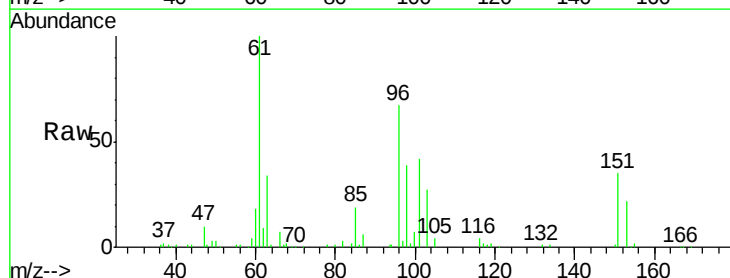
Tgt Ion: 96 Resp: 54268

Ion Ratio Lower Upper

96 100

61 149.0 125.1 187.7

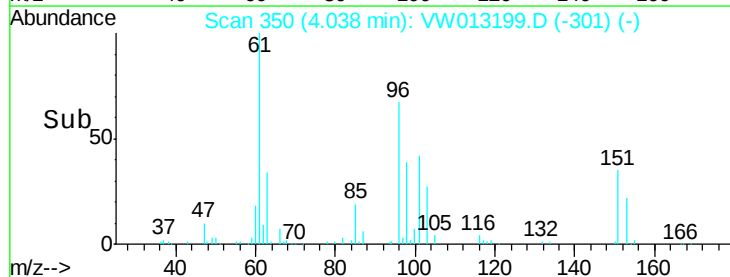
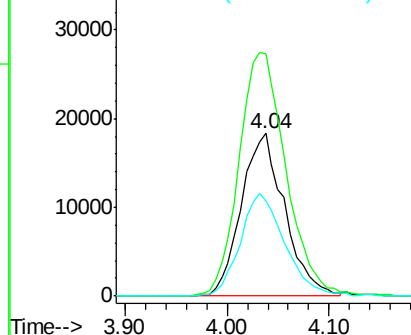
98 58.4 50.8 76.2

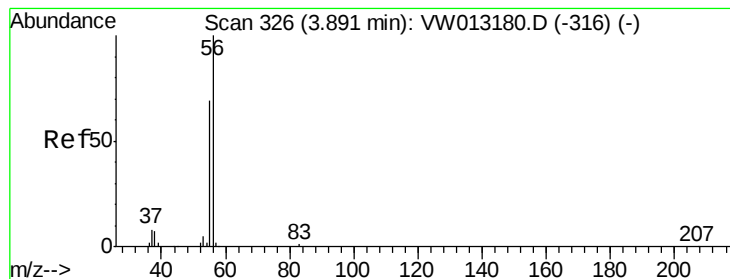


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#13

Acrolein

Concen: 110.041 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW013199.D

Acq: 20 Sep 2019 23:10

Instrument :

MSVOA_W

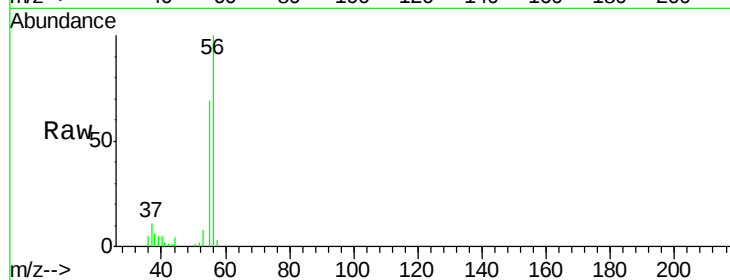
ClientSampled :

Tot Ion: 56 Resp: 15801

Ion Ratio Lower Upper

56 100

55 75.9 55.4 83.0



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.89

6000

5000

4000

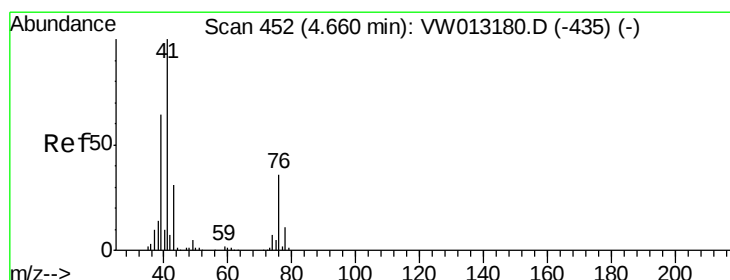
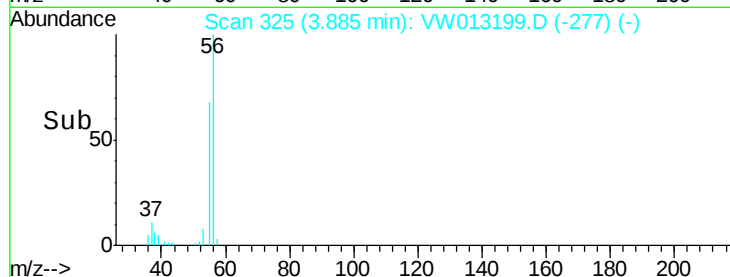
3000

2000

1000

0

Time--> 3.80 3.85 3.90 3.95



#14

Allyl chloride

Concen: 18.251 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW013199.D

Acq: 20 Sep 2019 23:10

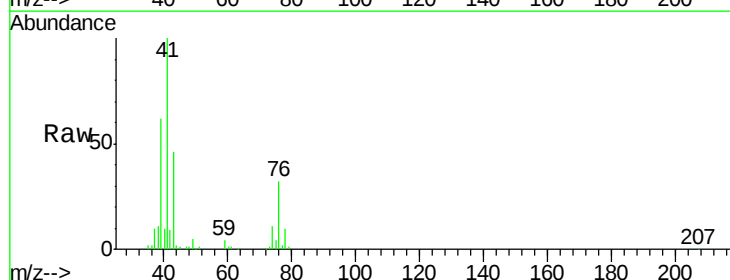
Tgt Ion: 41 Resp: 82500

Ion Ratio Lower Upper

41 100

39 63.0 51.0 76.4

76 34.7 28.4 42.6



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW

4.66

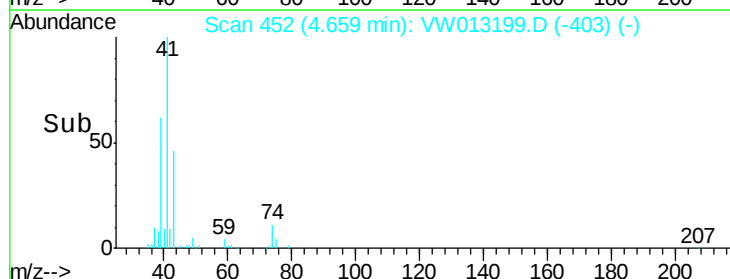
30000

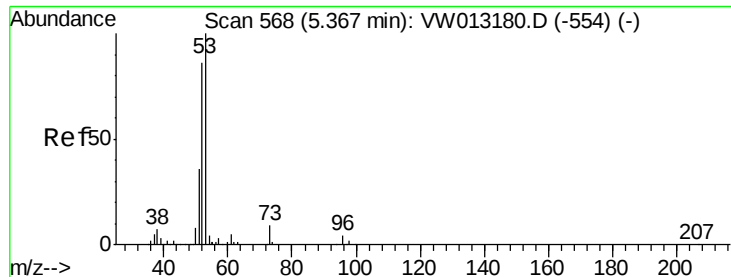
20000

10000

0

Time--> 4.50 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 124.140 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW013199.D

Acq: 20 Sep 2019 23:10

Instrument :

MSVOA_W

ClientSampleId :

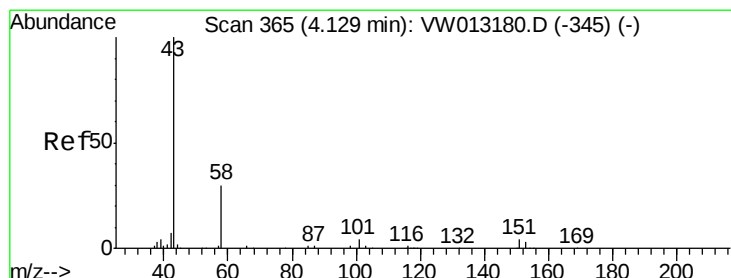
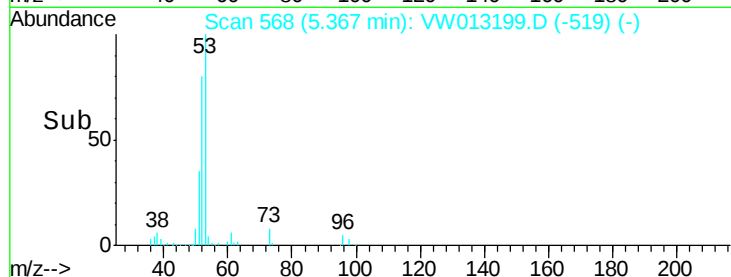
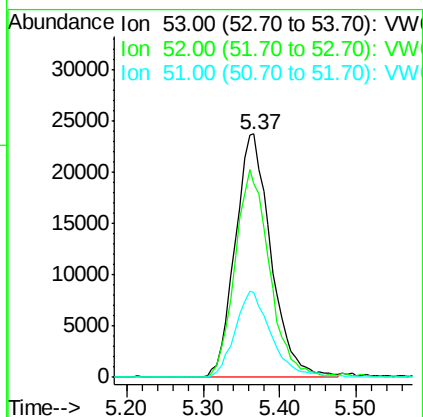
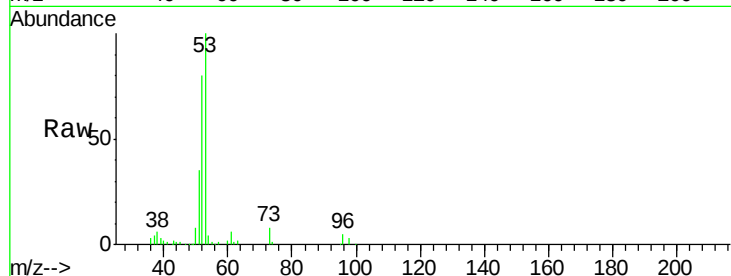
Tot Ion: 53 Resp: 77105

Ion Ratio Lower Upper

53 100

52 82.1 65.3 97.9

51 35.9 29.0 43.4



#16

Acetone

Concen: 108.144 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW013199.D

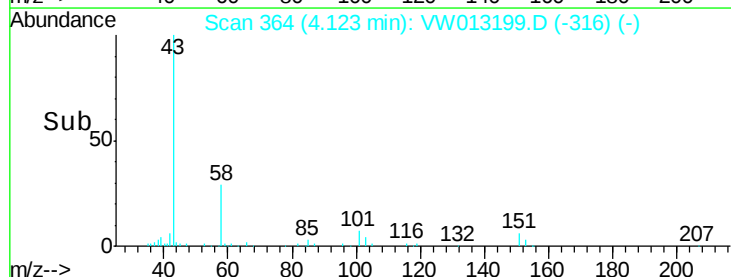
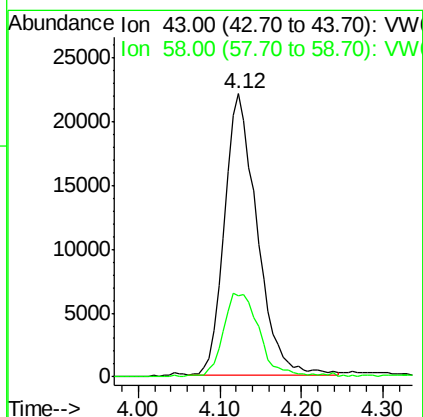
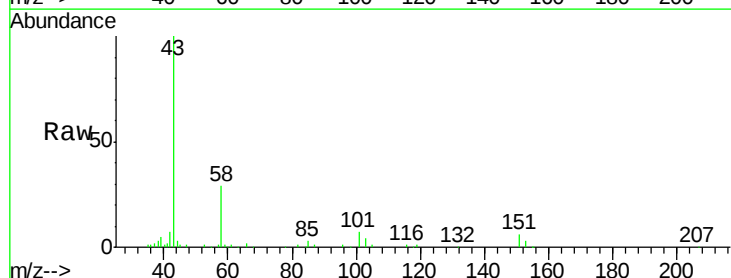
Acq: 20 Sep 2019 23:10

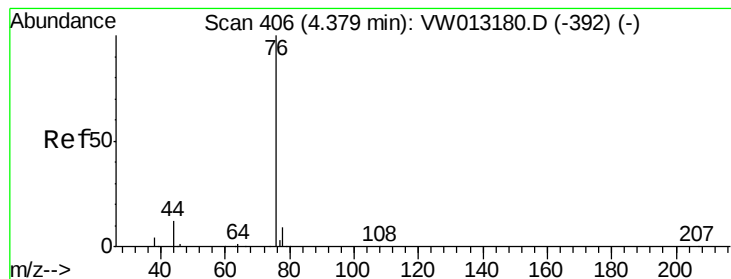
Tgt Ion: 43 Resp: 60833

Ion Ratio Lower Upper

43 100

58 28.8 24.1 36.1





#17

Carbon Disulfide

Concen: 18.515 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW013199.D

Acq: 20 Sep 2019 23:10

Instrument :

MSVOA_W

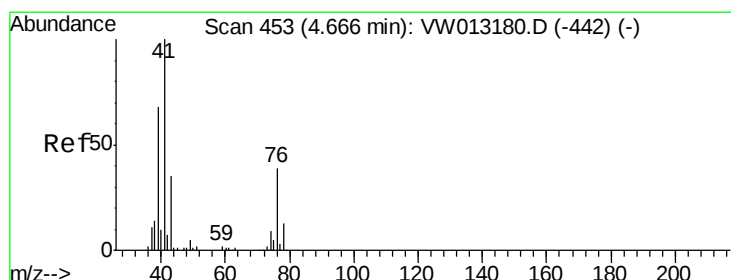
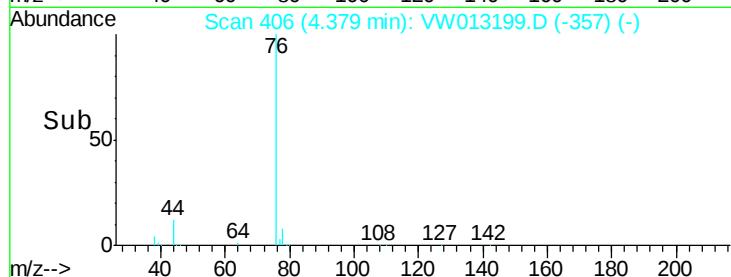
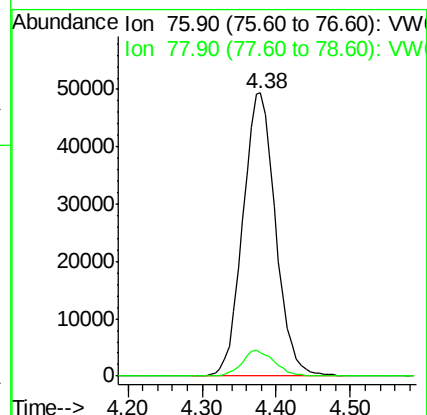
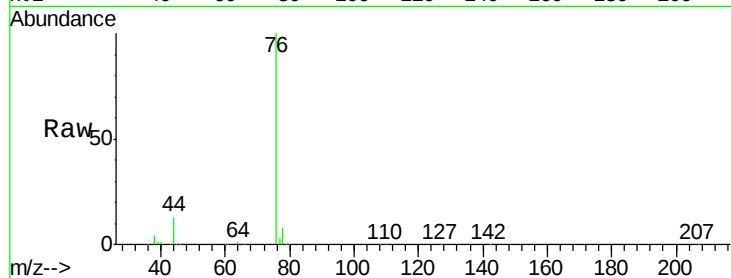
ClientSampled :

Tot Ion: 76 Resp: 151999

Ion Ratio Lower Upper

76 100

78 8.3 7.0 10.4



#18

Methyl Acetate

Concen: 26.890 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013199.D

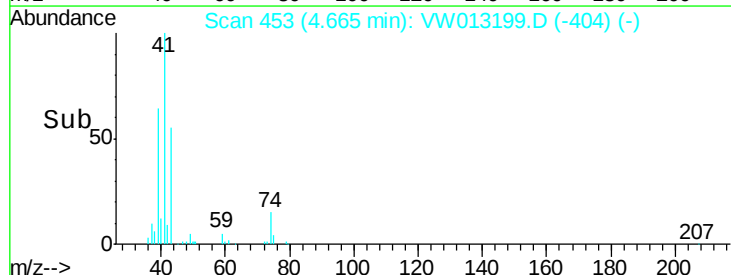
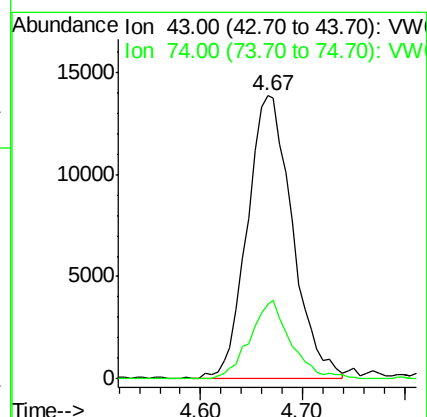
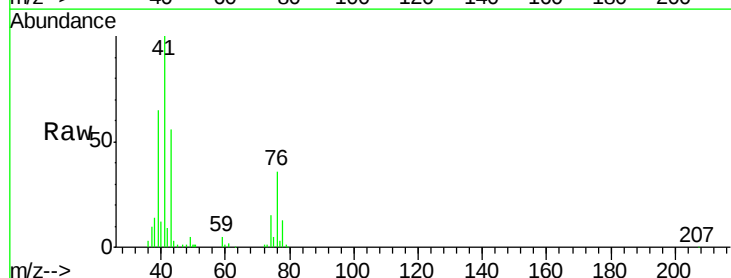
Acq: 20 Sep 2019 23:10

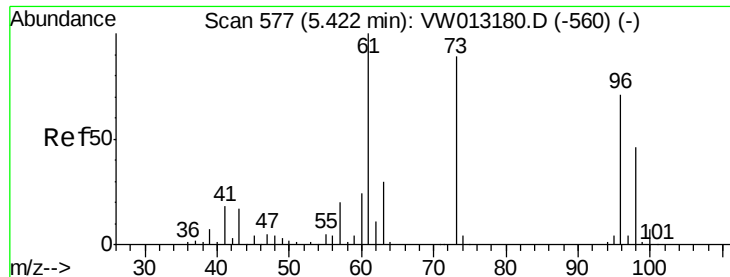
Tgt Ion: 43 Resp: 42519

Ion Ratio Lower Upper

43 100

74 25.1 19.3 28.9

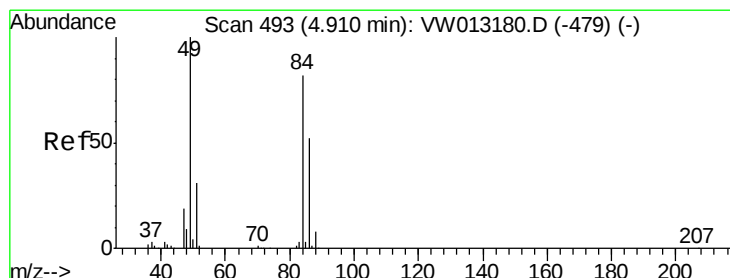
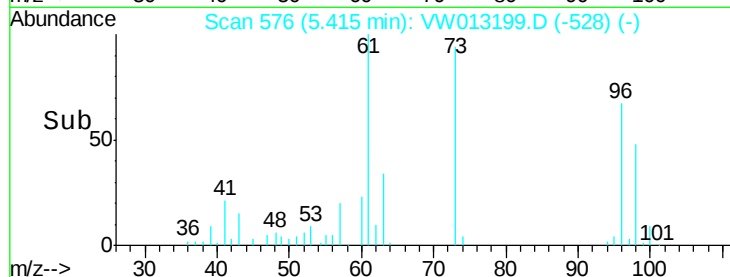
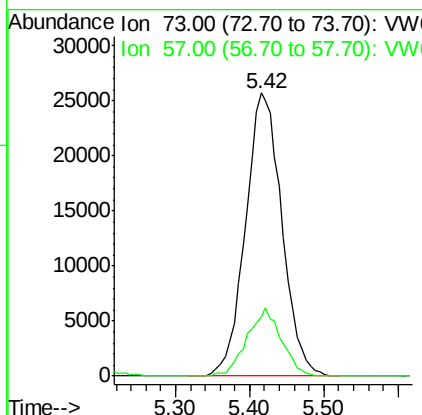
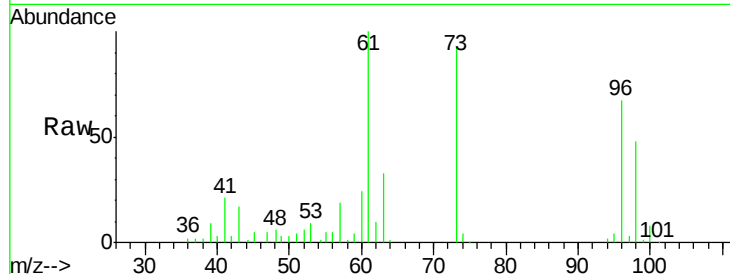




#19
Methyl tert-butyl Ether
Concen: 20.165 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW013199.D
Acq: 20 Sep 2019 23:10

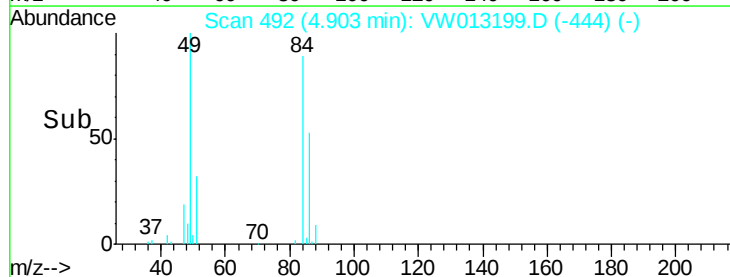
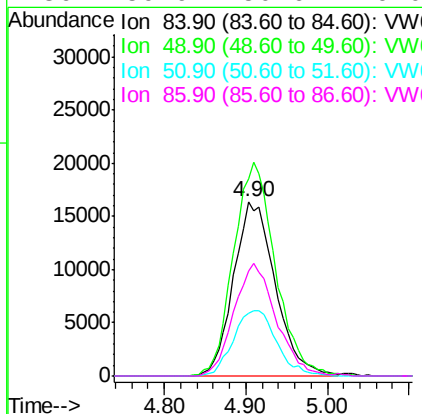
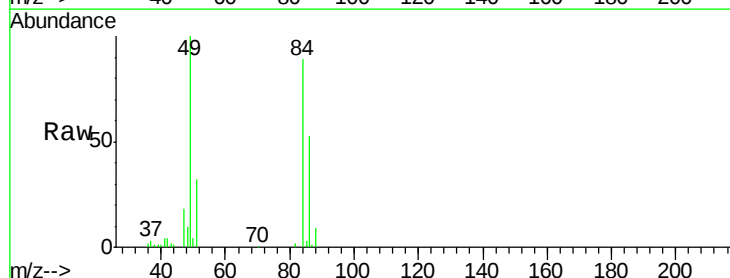
Instrument :
MSVOA_W
ClientSampled :

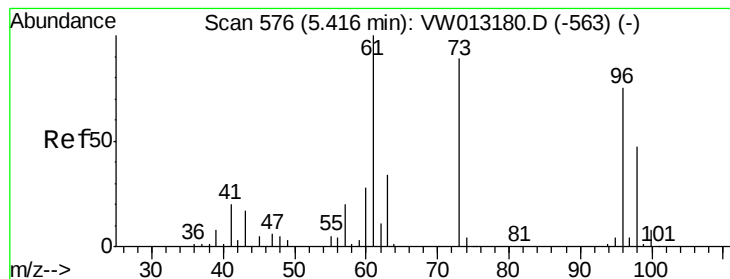
Tot Ion: 73 Resp: 87779
Ion Ratio Lower Upper
73 100
57 20.8 17.6 26.4



#20
Methylene Chloride
Concen: 18.444 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW013199.D
Acq: 20 Sep 2019 23:10

Tgt Ion: 84 Resp: 58337
Ion Ratio Lower Upper
84 100
49 112.5 97.6 146.4
51 35.9 30.2 45.2
86 59.9 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 18.466 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW013199.D

Acq: 20 Sep 2019 23:10

Instrument :
MSVOA_W
ClientSampled :

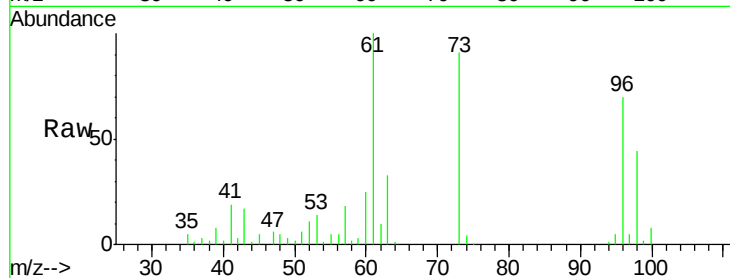
Tot Ion: 96 Resp: 56687

Ion Ratio Lower Upper

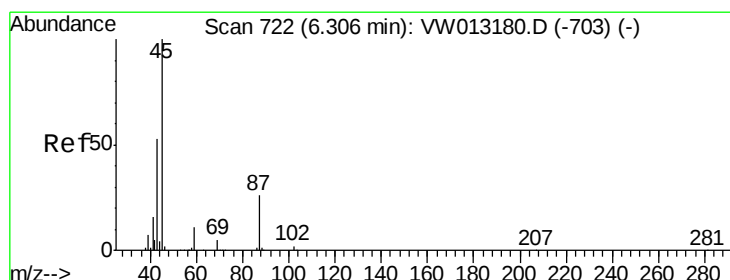
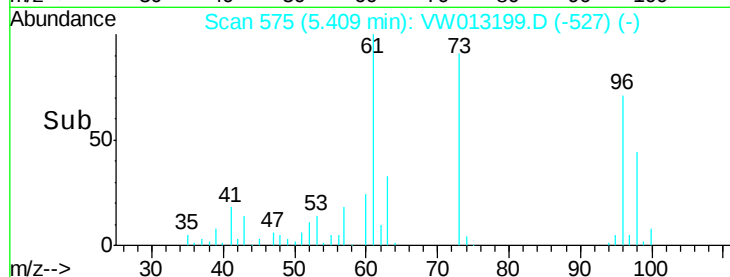
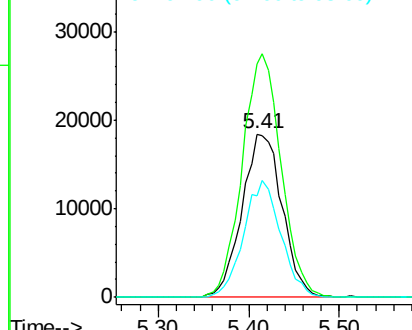
96 100

61 142.7 106.6 159.8

98 62.3 49.8 74.8



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: 18.785 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013199.D

Acq: 20 Sep 2019 23:10

Tgt Ion: 45 Resp: 161472

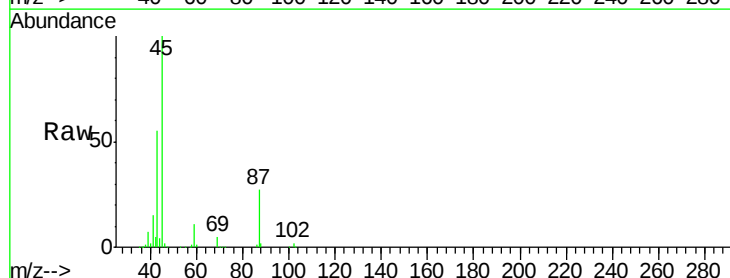
Ion Ratio Lower Upper

45 100

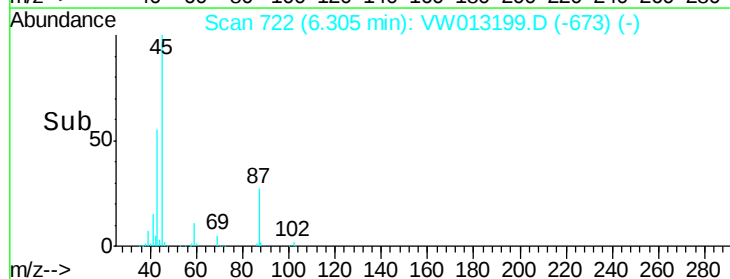
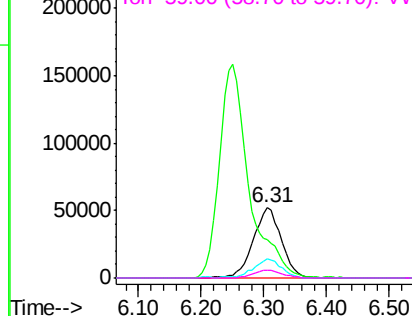
43 55.1 42.4 63.6

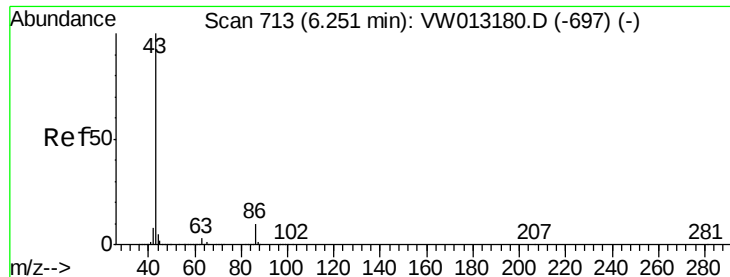
87 27.0 20.4 30.6

59 11.5 8.8 13.2



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: 101.776 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013199.D

Acq: 20 Sep 2019 23:10

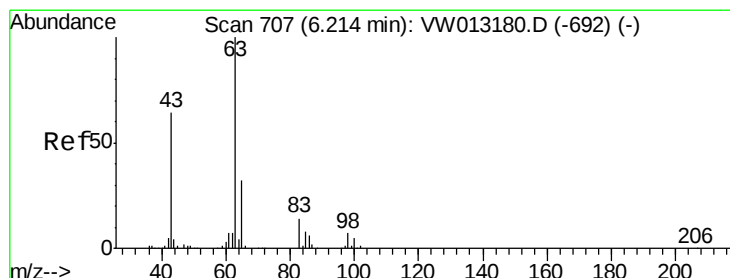
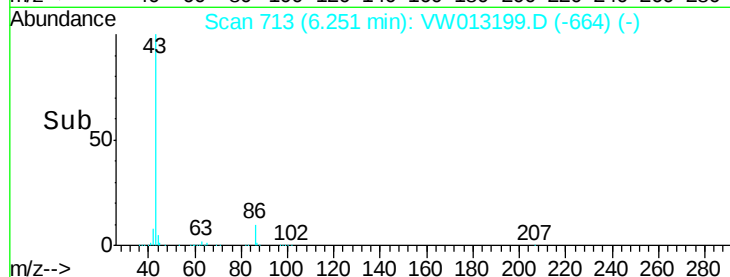
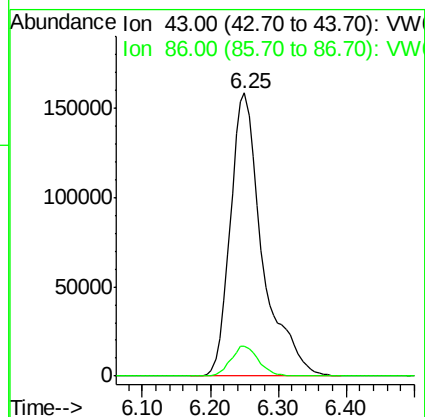
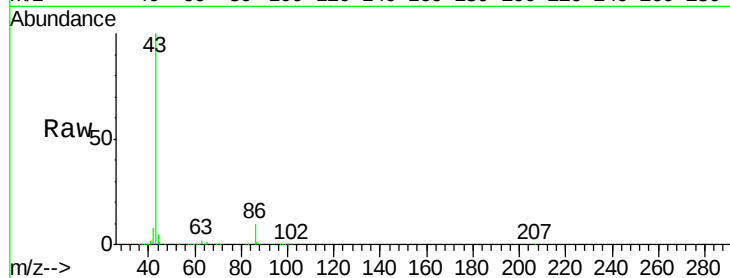
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 519008

Ion Ratio Lower Upper

43 100

86 10.4 8.3 12.5



#24

1,1-Dichloroethane

Concen: 18.940 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013199.D

Acq: 20 Sep 2019 23:10

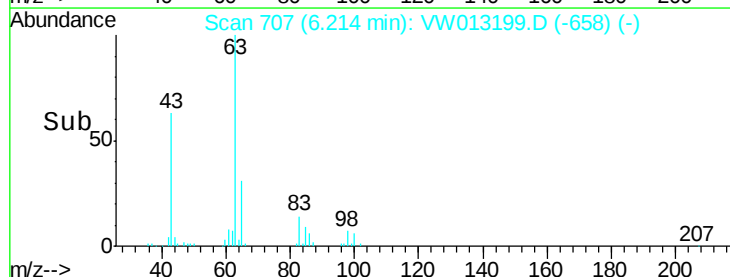
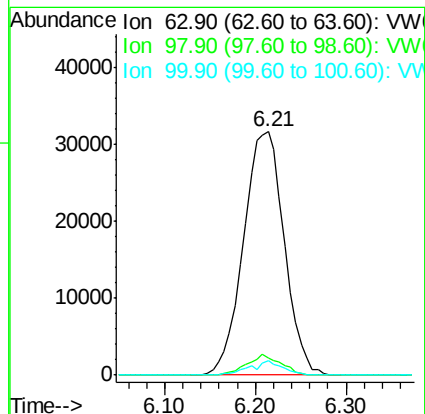
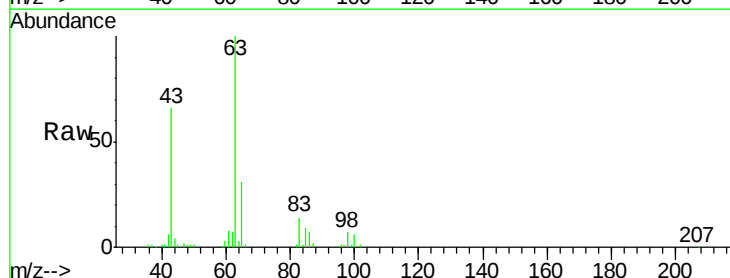
Tgt Ion: 63 Resp: 98242

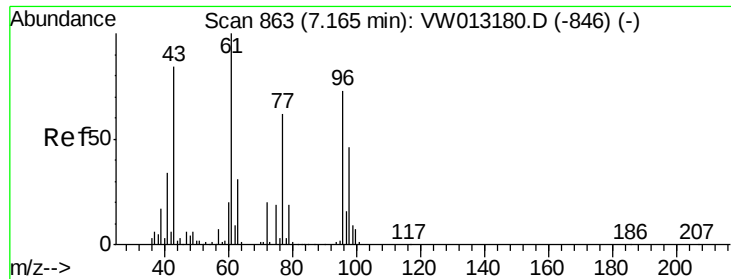
Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.5

100 6.0 2.4 7.1

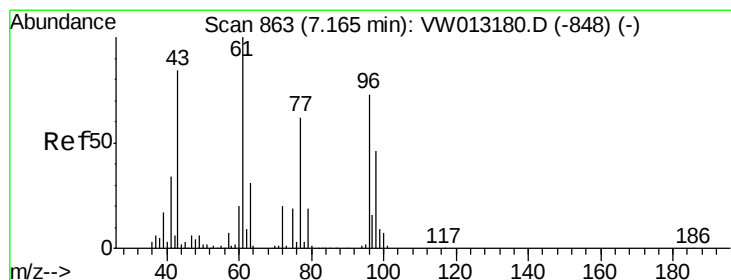
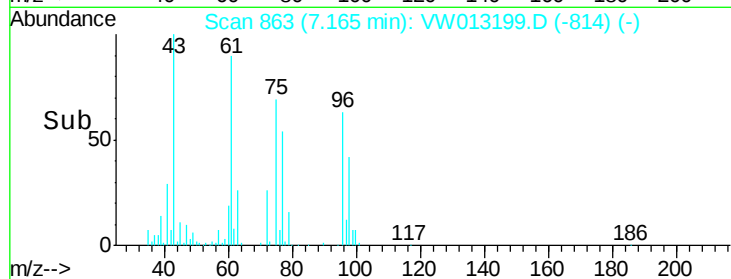
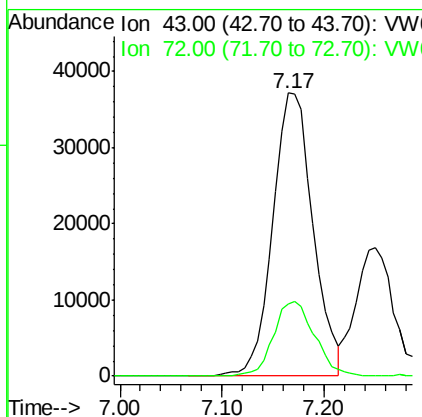
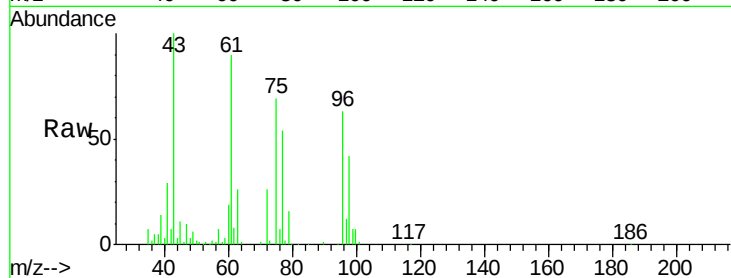




#25
2-Butanone
Concen: 120.598 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013199.D
Acq: 20 Sep 2019 23:10

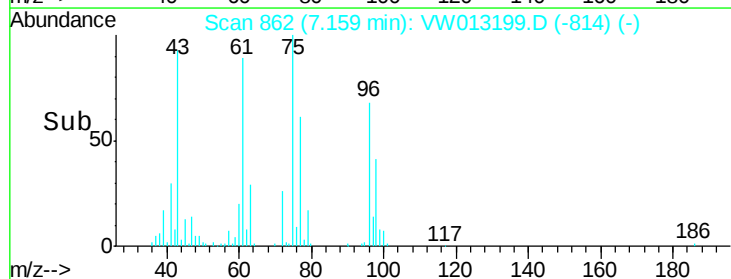
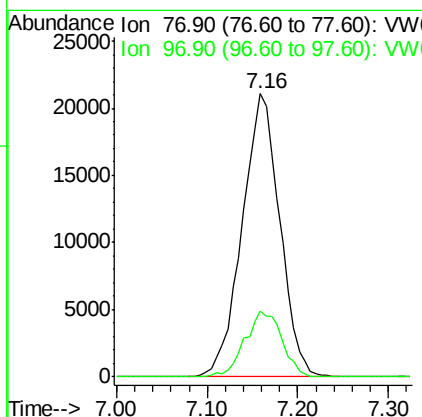
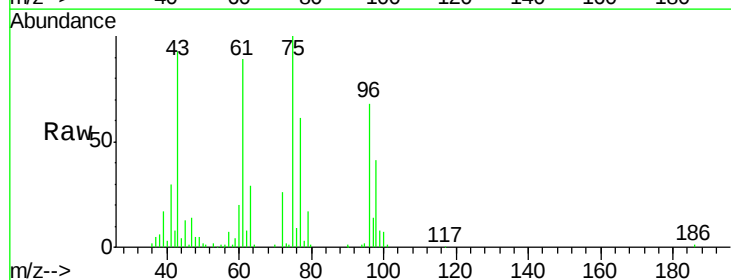
Instrument :
MSVOA_W
ClientSampled :

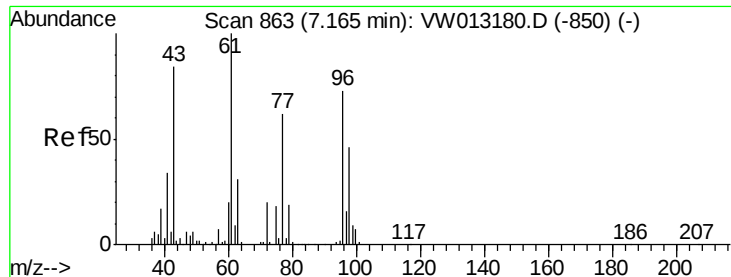
Tot Ion: 43 Resp: 101837
Ion Ratio Lower Upper
43 100
72 25.6 19.4 29.0



#26
2,2-Dichloropropane
Concen: 17.366 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW013199.D
Acq: 20 Sep 2019 23:10

Tgt Ion: 77 Resp: 60644
Ion Ratio Lower Upper
77 100
97 22.7 11.8 35.4



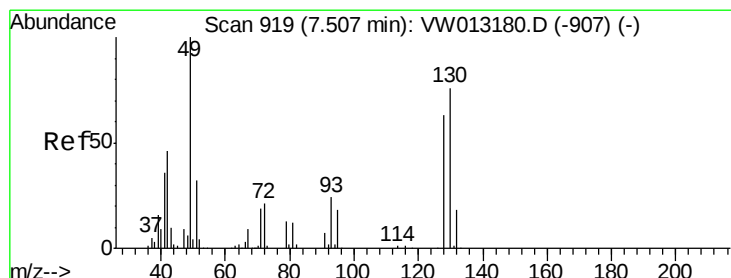
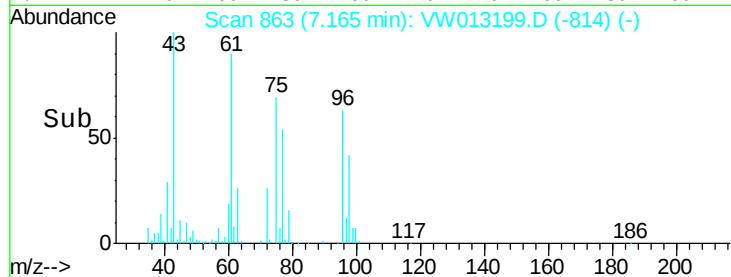
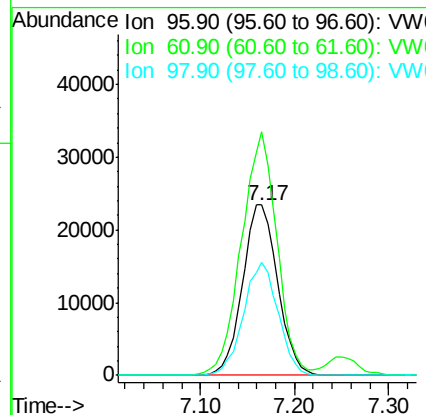
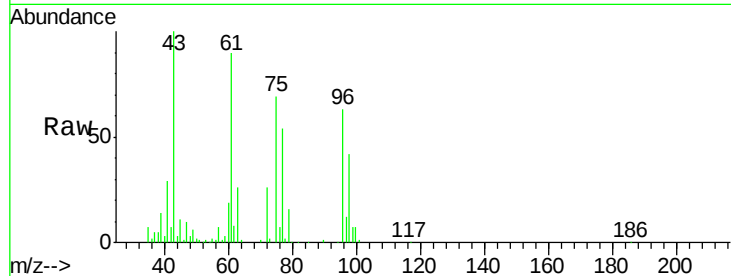


#27

cis-1,2-Dichloroethene
Concen: 18.776 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013199.D
Acq: 20 Sep 2019 23:10

Instrument :
MSVOA_W
ClientSampled :

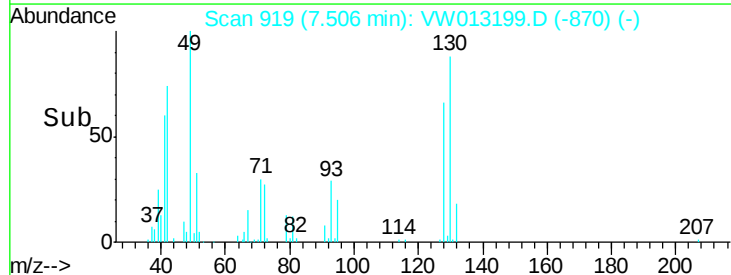
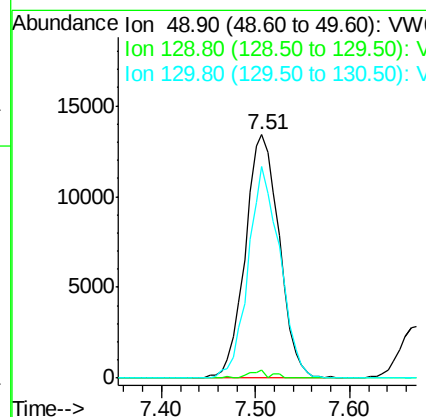
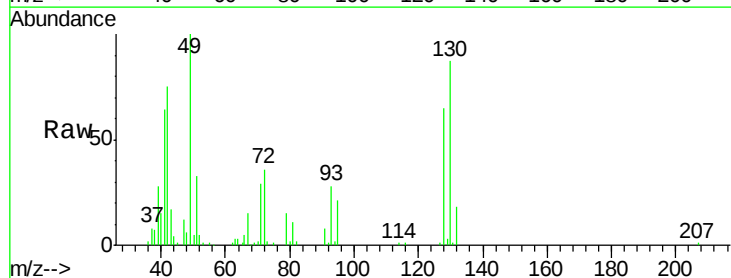
Tot Ion: 96 Resp: 60830
Ion Ratio Lower Upper
96 100
61 143.7 0.0 282.4
98 65.0 0.0 128.2



#28

Bromochloromethane
Concen: 16.913 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW013199.D
Acq: 20 Sep 2019 23:10

Tgt Ion: 49 Resp: 33669
Ion Ratio Lower Upper
49 100
129 1.9 0.0 1.0#
130 81.4 63.4 95.2

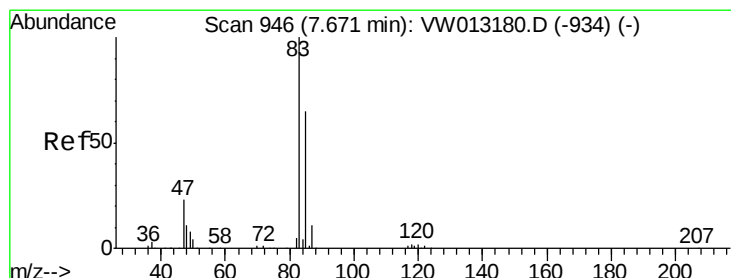
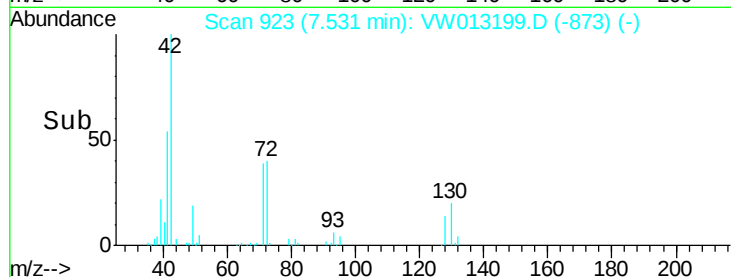
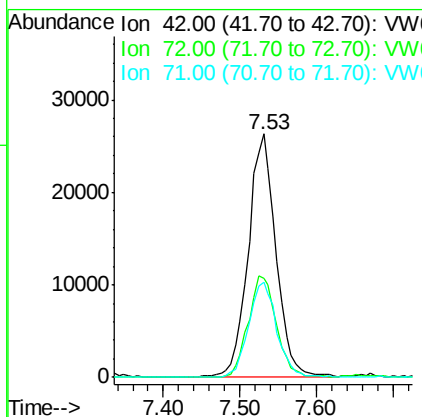
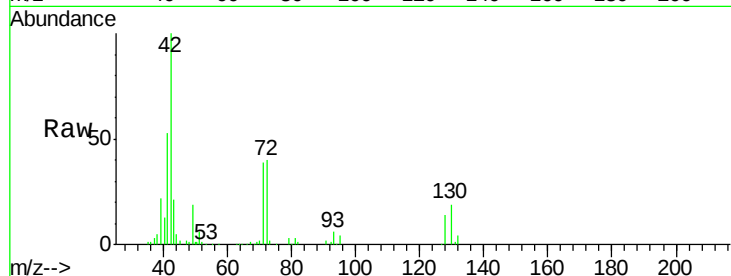




#29
Tetrahydrofuran
Concen: 128.905 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013199.D
Acq: 20 Sep 2019 23:10

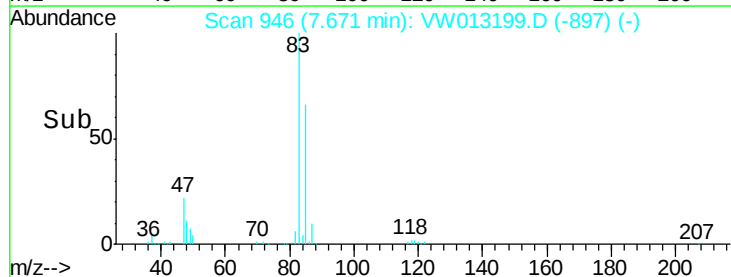
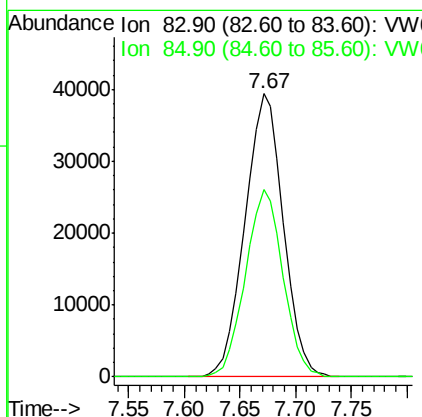
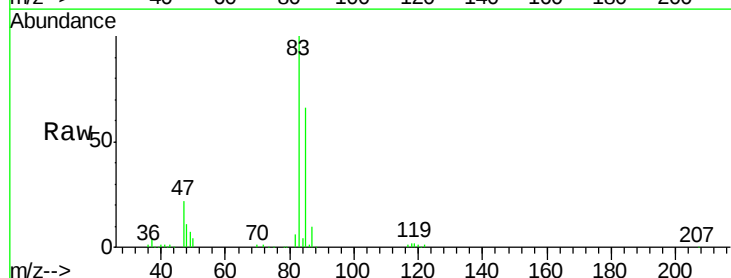
Instrument :
MSVOA_W
ClientSampled :

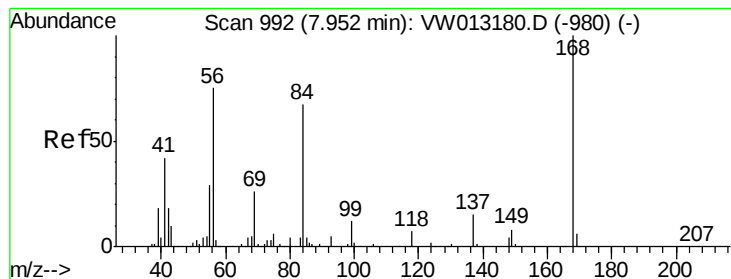
Tot Ion: 42 Resp: 66755
Ion Ratio Lower Upper
42 100
72 42.3 33.9 50.9
71 39.7 31.9 47.9



#30
Chloroform
Concen: 18.561 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013199.D
Acq: 20 Sep 2019 23:10

Tgt Ion: 83 Resp: 94256
Ion Ratio Lower Upper
83 100
85 66.0 52.3 78.5





#31

Cyclohexane

Concen: 20.312 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013199.D

Acq: 20 Sep 2019 23:10

Instrument :
MSVOA_W
ClientSampled :

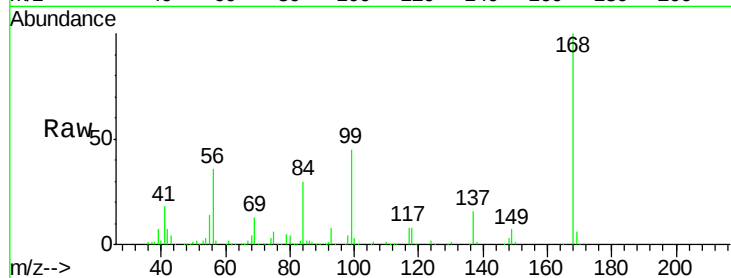
Tot Ion: 56 Resp: 109825

Ion Ratio Lower Upper

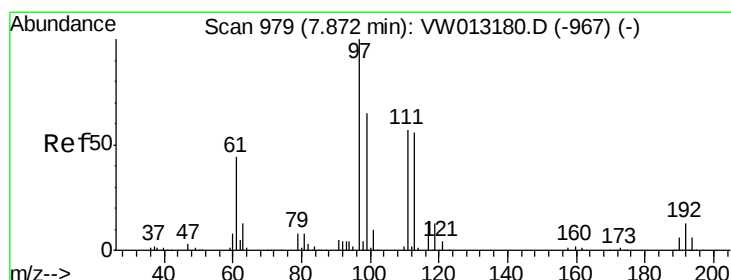
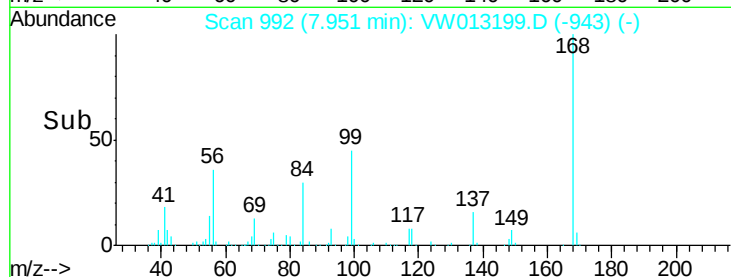
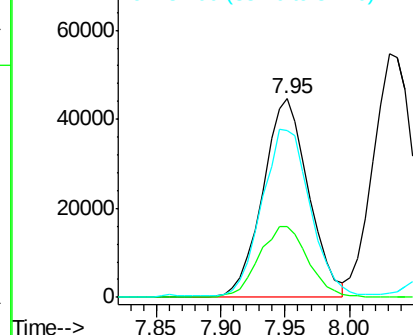
56 100

69 35.8 27.2 40.8

84 83.4 70.8 106.2



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



#32

1,1,1-Trichloroethane

Concen: 19.603 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW013199.D

Acq: 20 Sep 2019 23:10

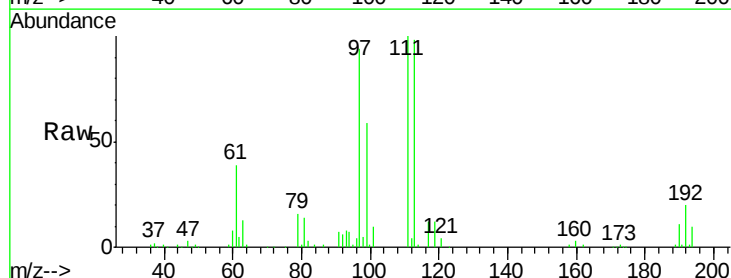
Tgt Ion: 97 Resp: 80626

Ion Ratio Lower Upper

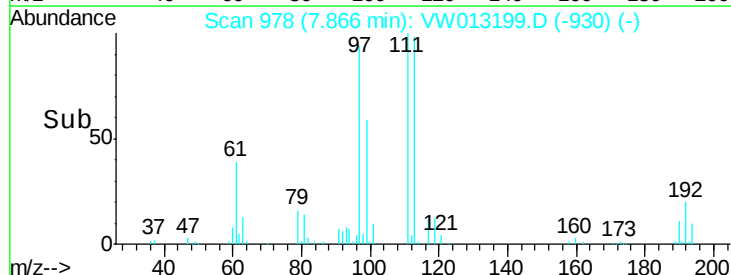
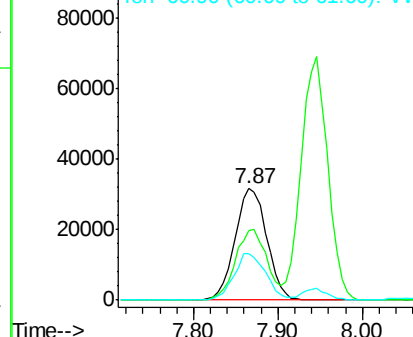
97 100

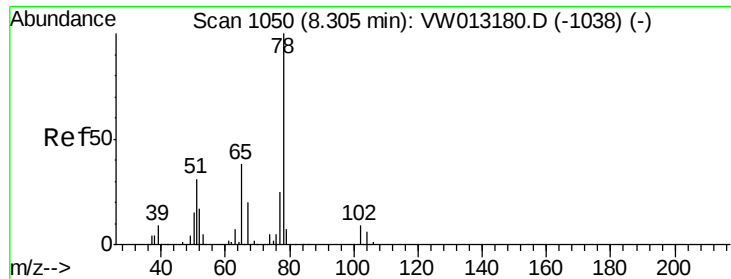
99 62.9 51.7 77.5

61 41.8 34.6 51.8



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

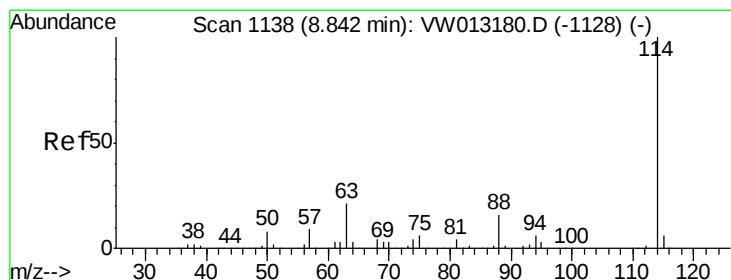
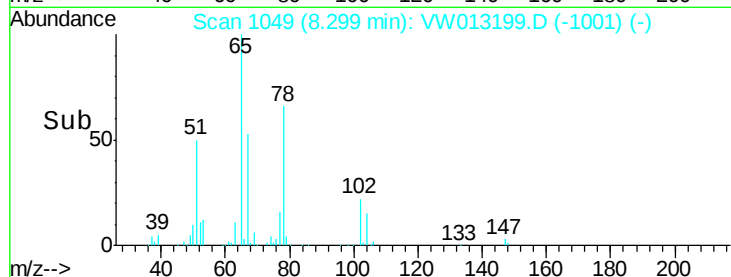
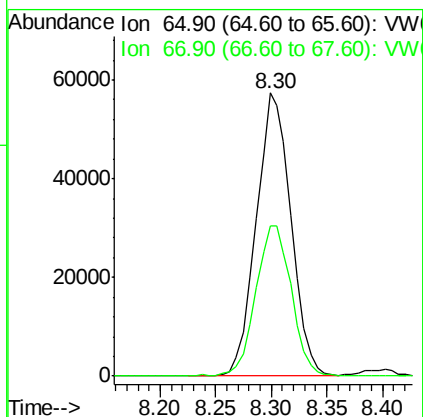
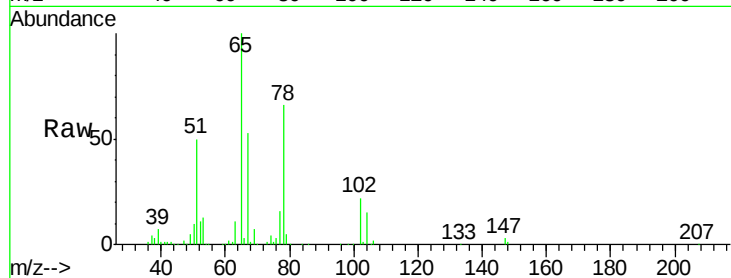




#33
 1,2-Dichloroethane-d4
 Concen: 49.922 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

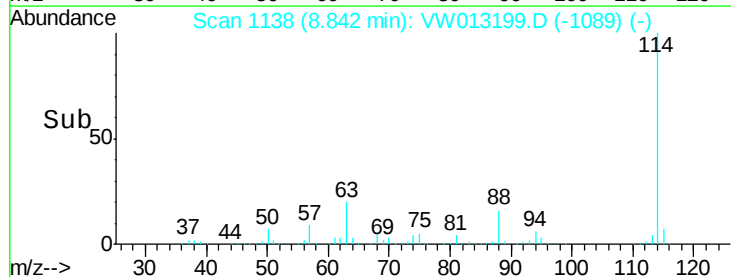
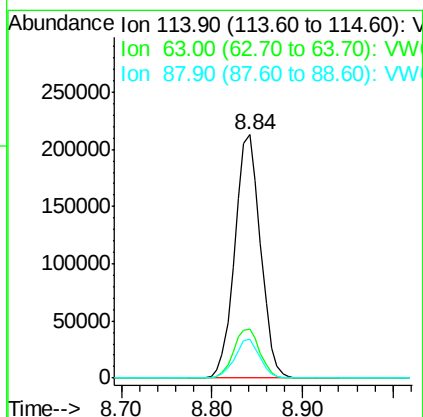
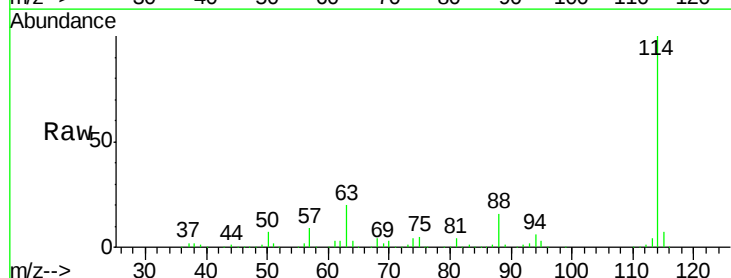
Instrument :
 MSVOA_W
 ClientSampleId :

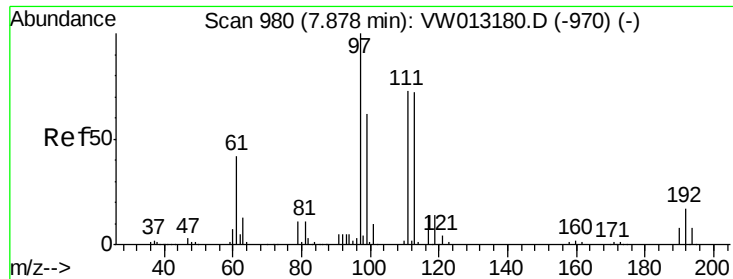
Tot Ion: 65 Resp: 124526
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Tgt Ion: 114 Resp: 420425
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 41.4
 88 15.7 0.0 32.0

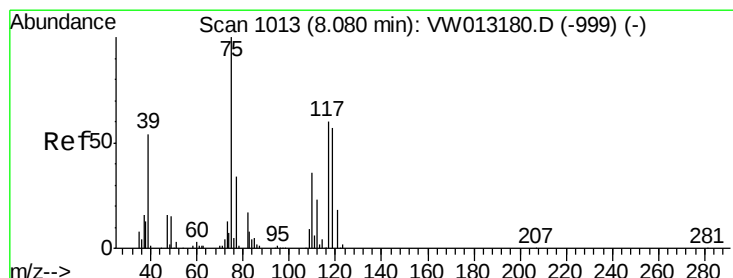
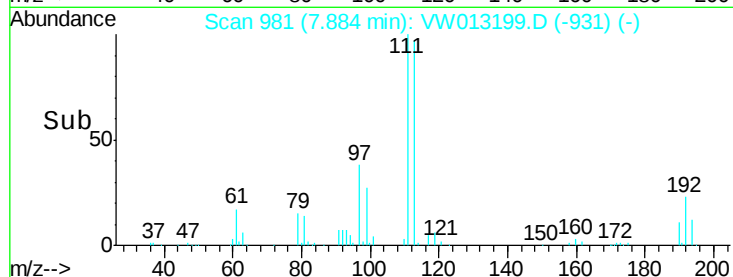
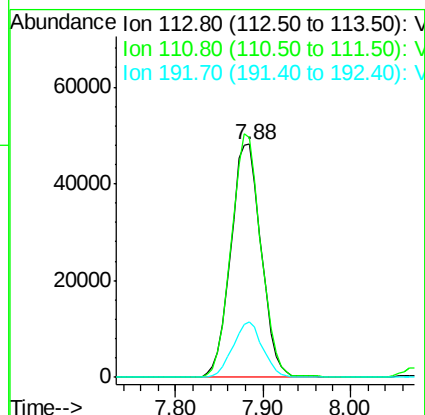
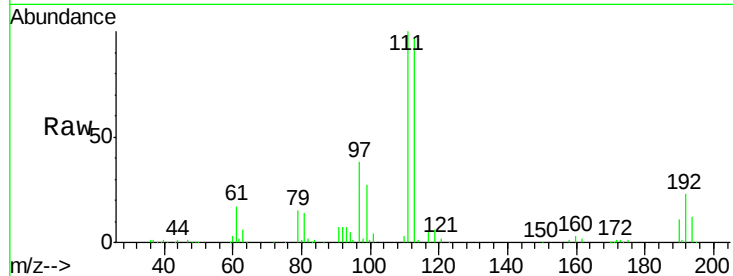




#35
 Dibromofluoromethane
 Concen: 50.628 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

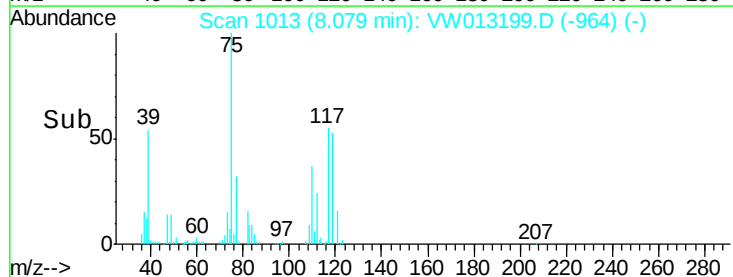
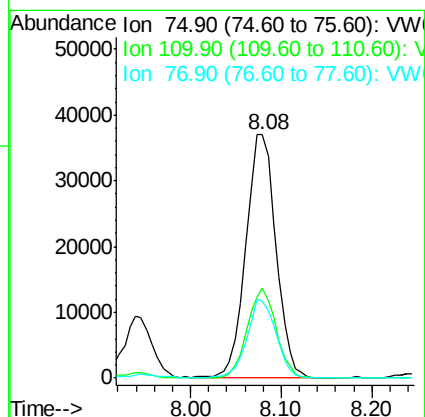
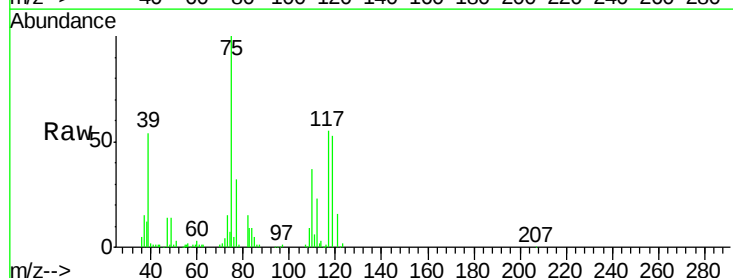
Instrument :
 MSVOA_W
 ClientSampleId :

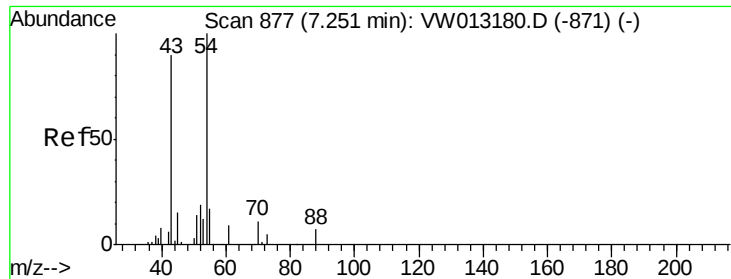
Tot Ion:113 Resp: 117069
 Ion Ratio Lower Upper
 113 100
 111 101.1 81.9 122.9
 192 23.1 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 20.980 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Tgt Ion: 75 Resp: 85433
 Ion Ratio Lower Upper
 75 100
 110 35.4 18.1 54.3
 77 31.3 25.8 38.6

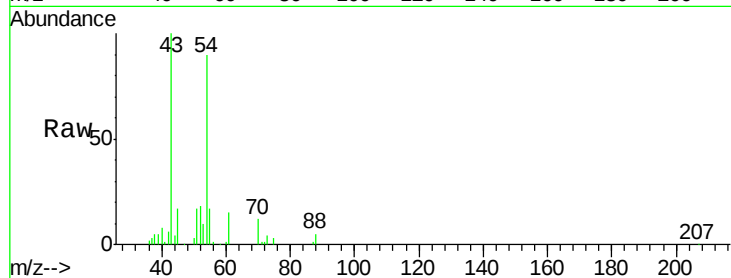




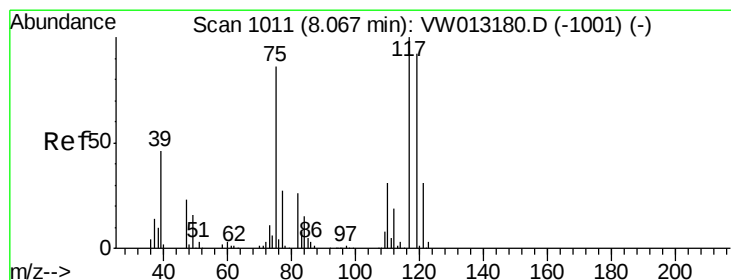
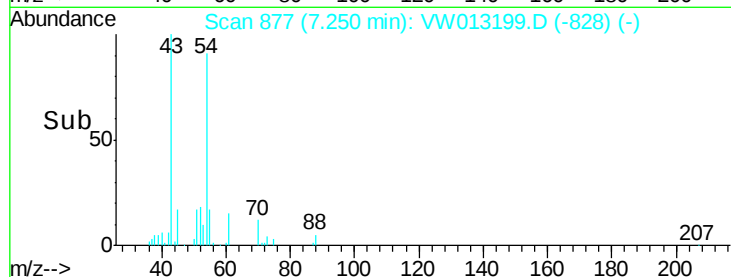
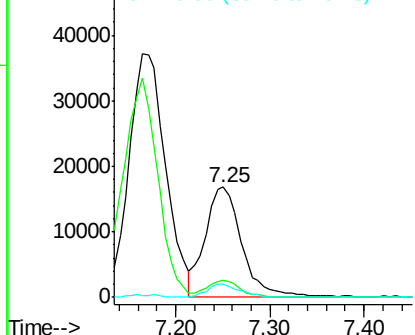
#37
Ethyl Acetate
Concen: 25.899 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013199.D
Acq: 20 Sep 2019 23:10

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 44822
Ion Ratio Lower Upper
43 100
61 13.7 10.9 16.3
70 11.0 8.2 12.2

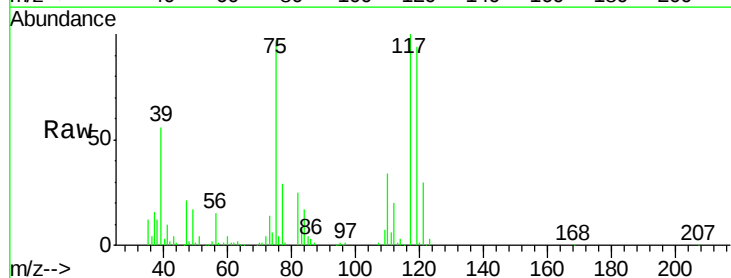


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

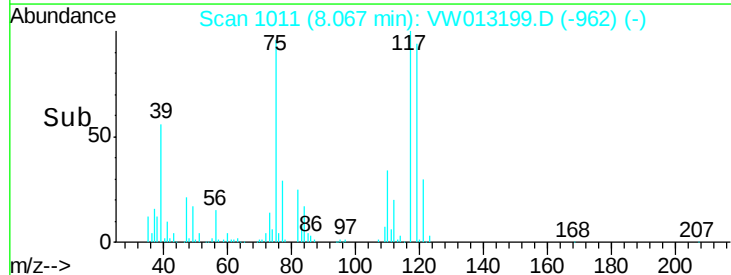
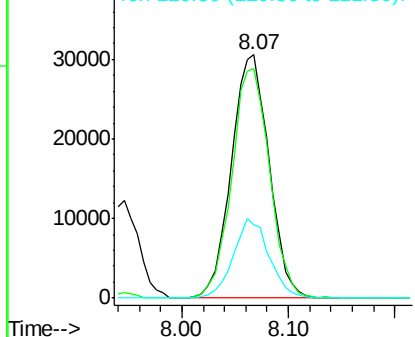


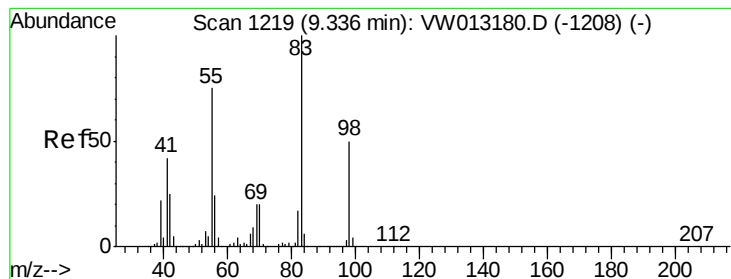
#38
Carbon Tetrachloride
Concen: 20.848 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013199.D
Acq: 20 Sep 2019 23:10

Tgt Ion: 117 Resp: 76103
Ion Ratio Lower Upper
117 100
119 94.3 73.5 110.3
121 30.3 25.0 37.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





#39

Methvlcvclohexane

Concen: 21.232 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW013199.D

Acq: 20 Sep 2019 23:10

Instrument :
MSVOA_W
ClientSampled :

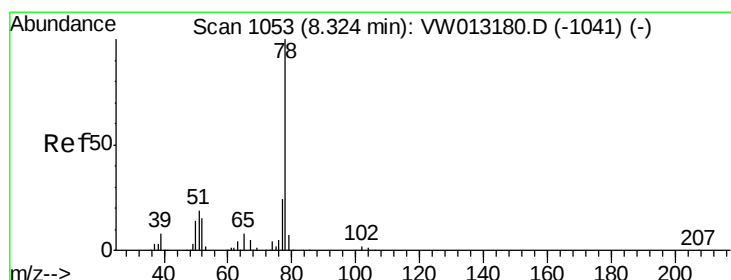
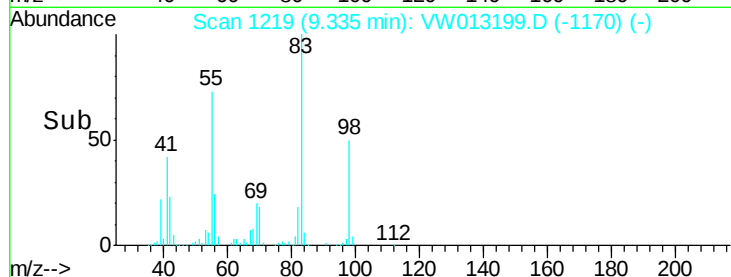
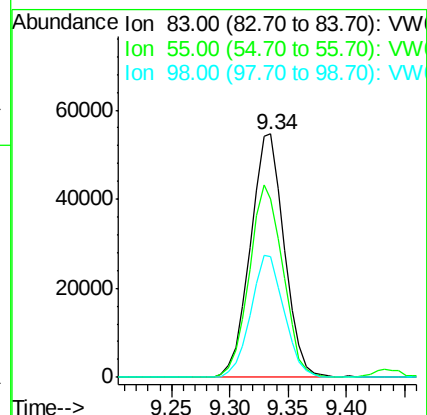
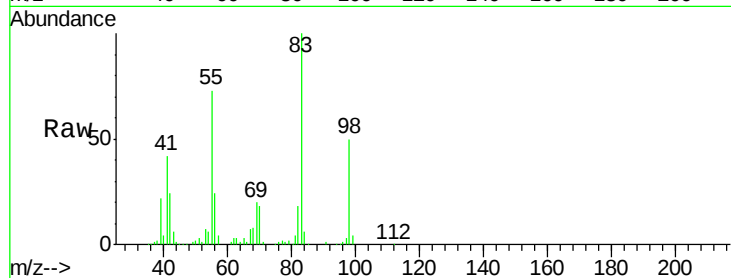
Tot Ion: 83 Resp: 111110

Ion	Ratio	Lower	Upper
83	100		
55	73.4	60.4	90.6
98	49.6	40.0	60.0

83 100

55 73.4 60.4 90.6

98 49.6 40.0 60.0



#40

Benzene

Concen: 20.022 ug/l

RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VW013199.D

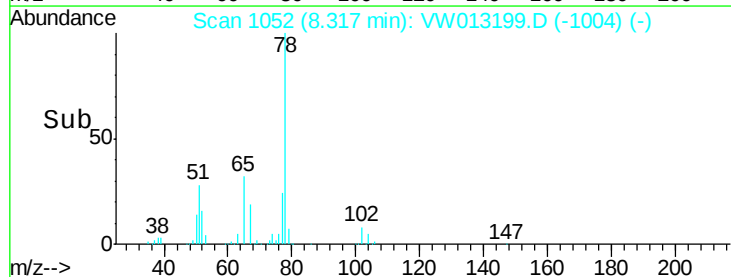
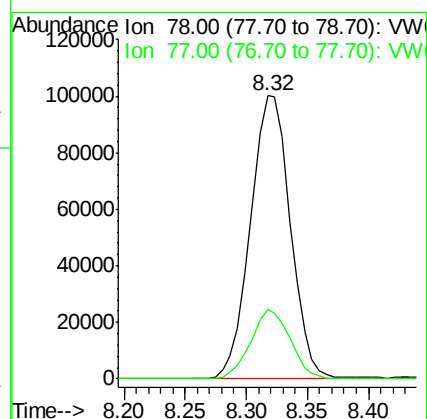
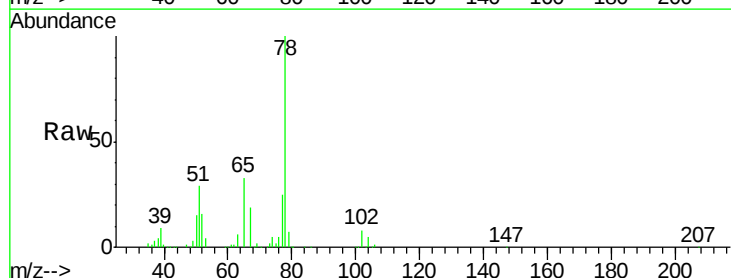
Acq: 20 Sep 2019 23:10

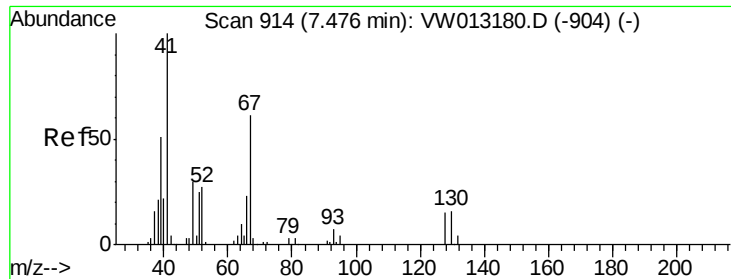
Tgt Ion: 78 Resp: 227411

Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.1	28.7

78 100

77 24.5 19.1 28.7

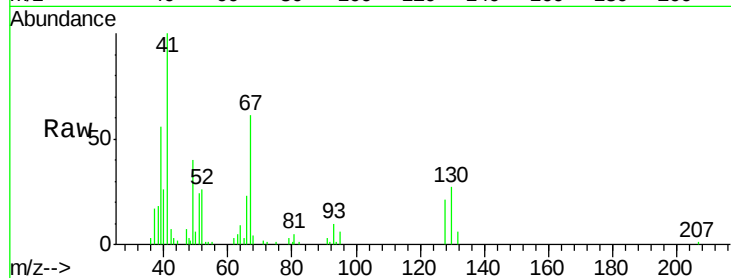




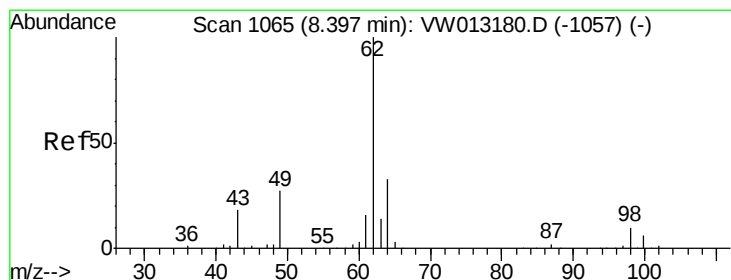
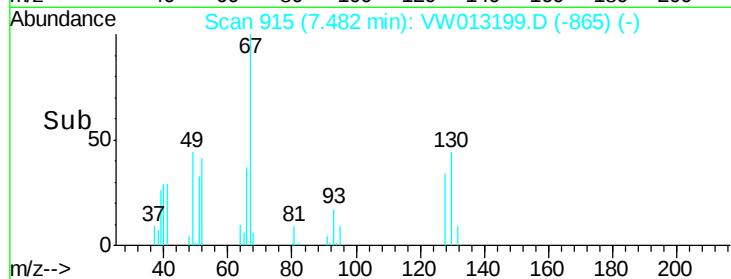
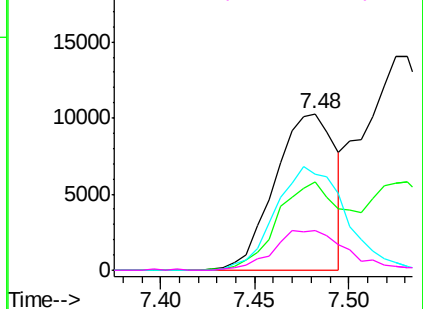
#41
Methacrylonitrile
Concen: 22.221 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.01 min
Lab File: VW013199.D
Acq: 20 Sep 2019 23:10

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	41	Resp:	22952
Ion	Ratio	Lower	Upper
41	100		
39	65.4	45.9	68.9
67	77.3	54.5	81.7
52	30.8	22.5	33.7

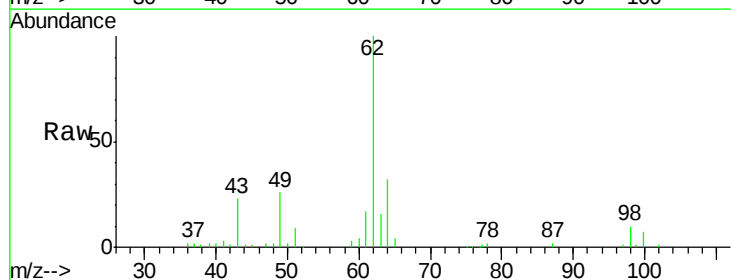


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

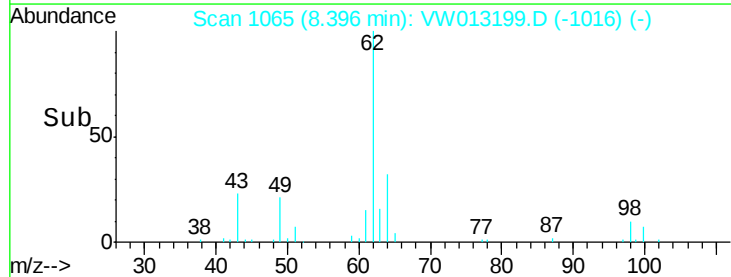
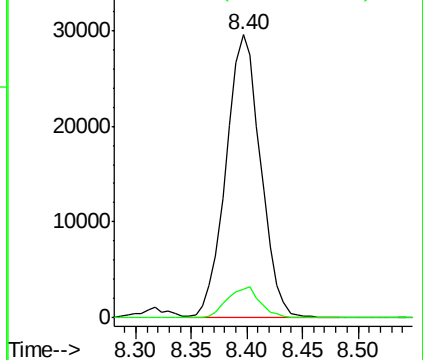


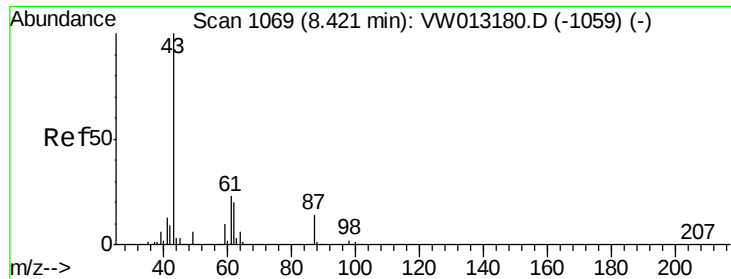
#42
1,2-Dichloroethane
Concen: 20.884 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013199.D
Acq: 20 Sep 2019 23:10

Tgt Ion:	62	Resp:	63766
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.6



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





#43

Isopropyl Acetate

Concen: 23.620 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013199.D

Acq: 20 Sep 2019 23:10

Instrument :

MSVOA_W

ClientSampled :

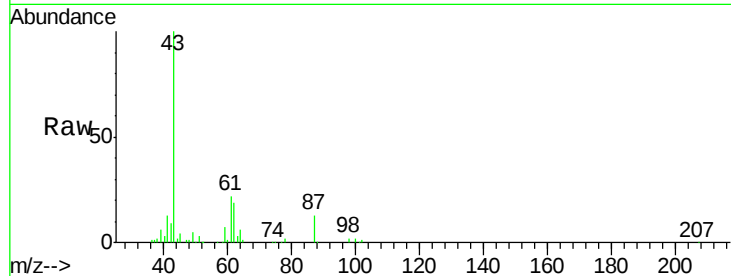
Tot Ion: 43 Resp: 78346

Ion Ratio Lower Upper

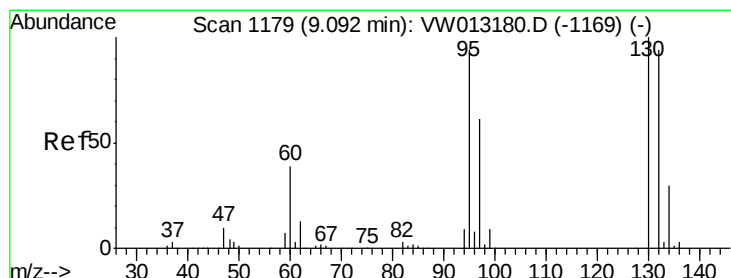
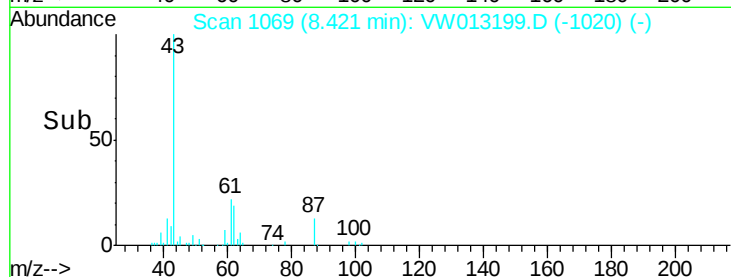
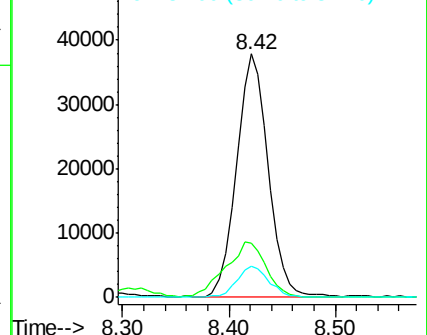
43 100

61 29.4 25.5 38.3

87 12.9 11.0 16.4



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



#44

Trichloroethene

Concen: 19.907 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW013199.D

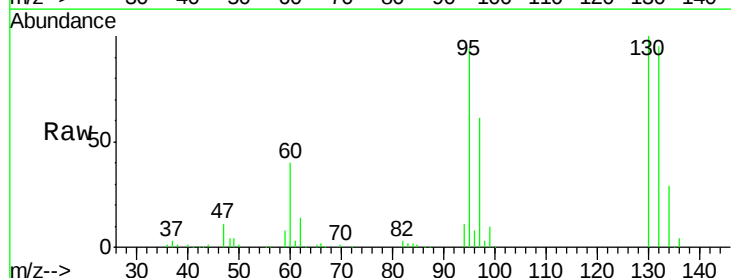
Acq: 20 Sep 2019 23:10

Tgt Ion: 130 Resp: 63439

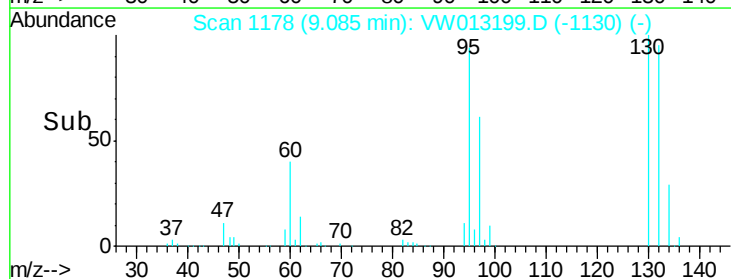
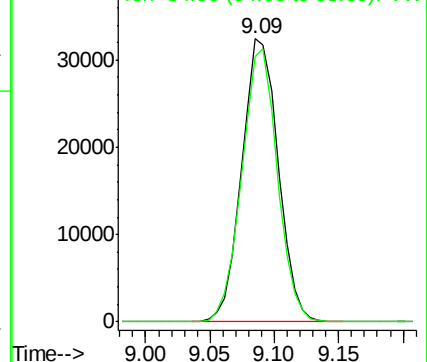
Ion Ratio Lower Upper

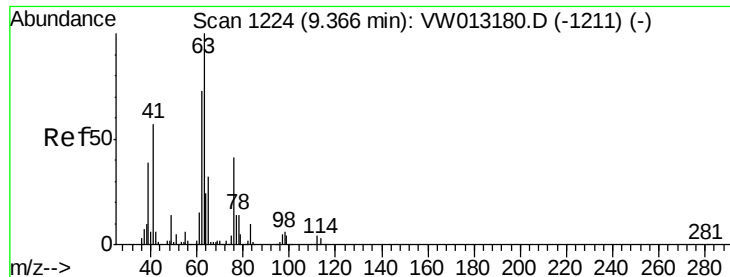
130 100

95 93.8 0.0 188.0



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





#45

1,2-Dichloropropane

Concen: 19.413 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013199.D

Acq: 20 Sep 2019 23:10

Instrument :

MSVOA_W

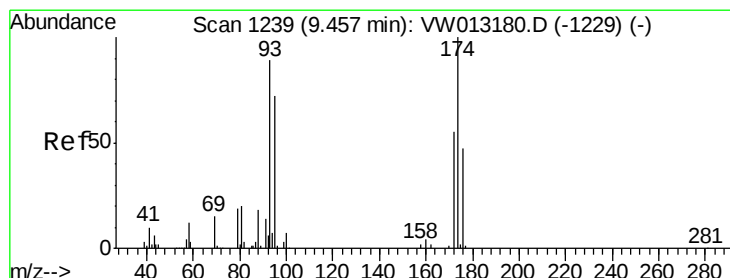
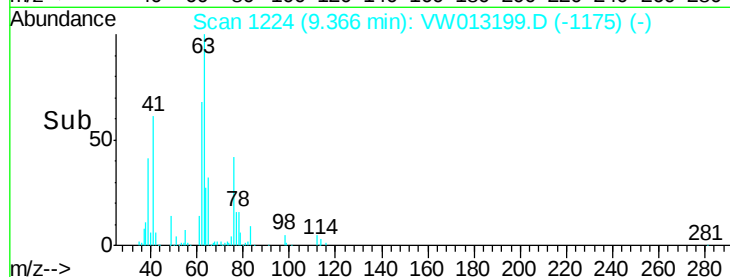
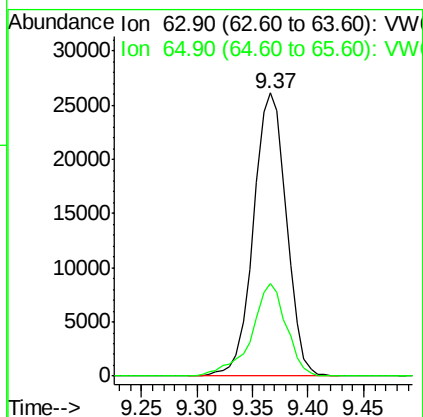
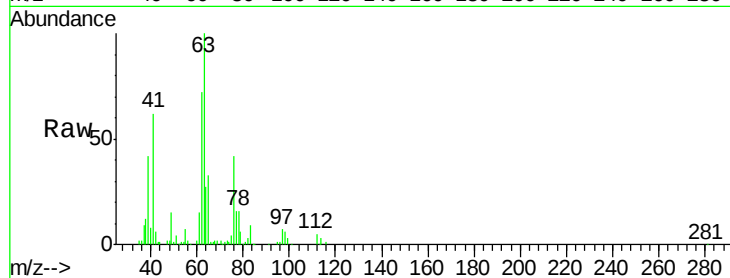
ClientSampleId :

Tot Ion: 63 Resp: 53834

Ion Ratio Lower Upper

63 100

65 32.8 25.3 37.9



#46

Dibromomethane

Concen: 21.289 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013199.D

Acq: 20 Sep 2019 23:10

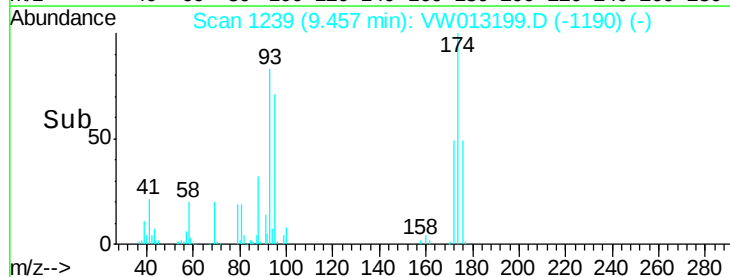
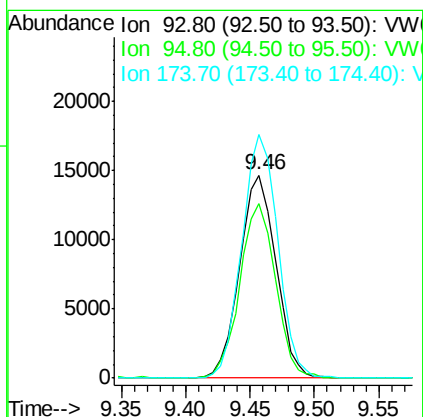
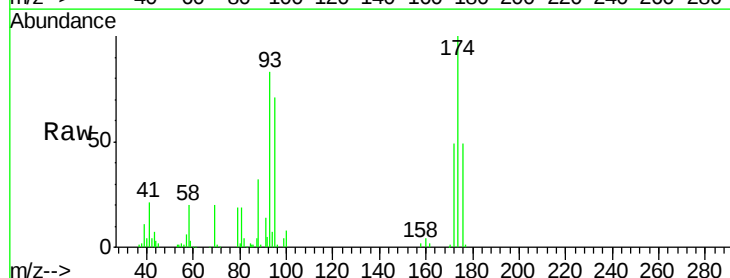
Tgt Ion: 93 Resp: 28662

Ion Ratio Lower Upper

93 100

95 84.5 66.4 99.6

174 118.8 93.0 139.6





#47

Bromodichloromethane

Concen: 19.228 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013199.D

Acq: 20 Sep 2019 23:10

Instrument :
MSVOA_W
ClientSampled :

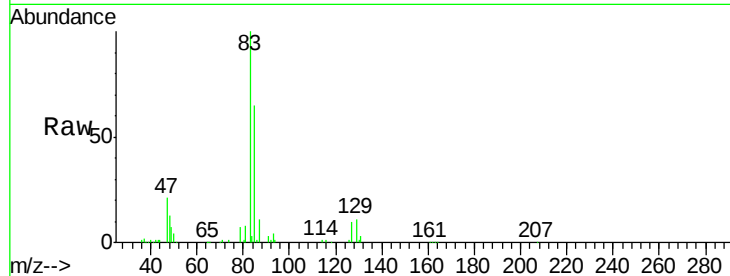
Tot Ion: 83 Resp: 65870

Ion Ratio Lower Upper

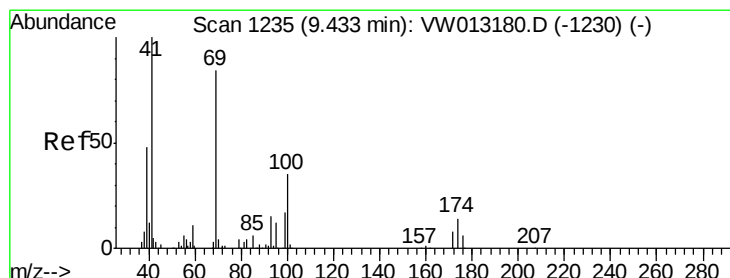
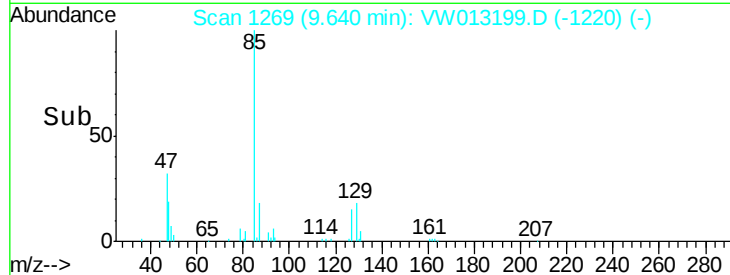
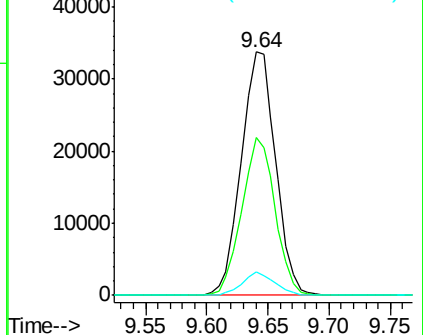
83 100

85 65.0 49.4 74.2

127 9.6 6.5 9.7



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: 25.634 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW013199.D

Acq: 20 Sep 2019 23:10

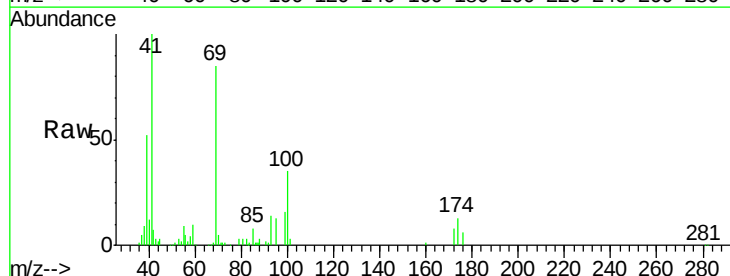
Tgt Ion: 41 Resp: 39982

Ion Ratio Lower Upper

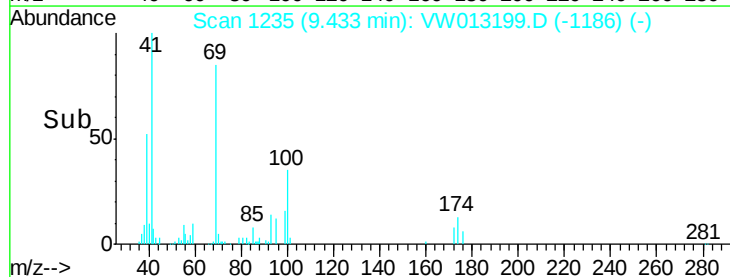
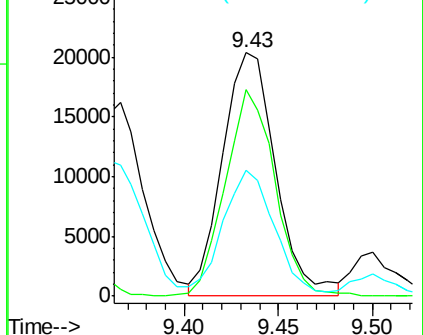
41 100

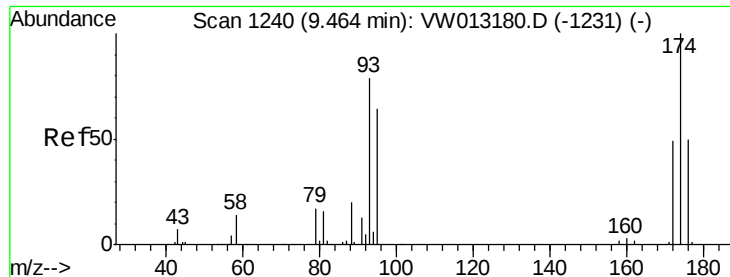
69 79.3 69.7 104.5

39 46.5 41.1 61.7



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





#49

1,4-Dioxane

Concen: 596.072 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VW013199.D

Acq: 20 Sep 2019 23:10

Instrument :

MSVOA_W

ClientSampleId :

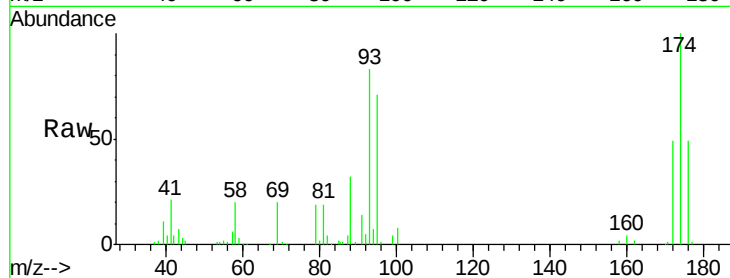
Tot Ion: 88 Resp: 12046

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

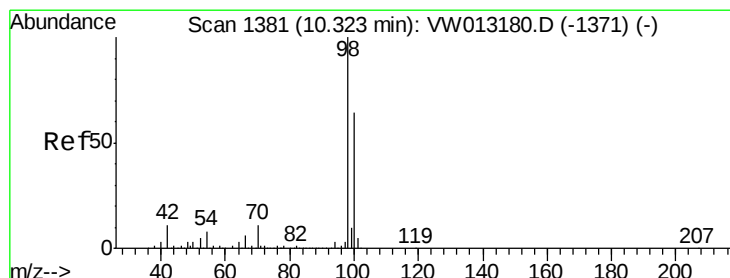
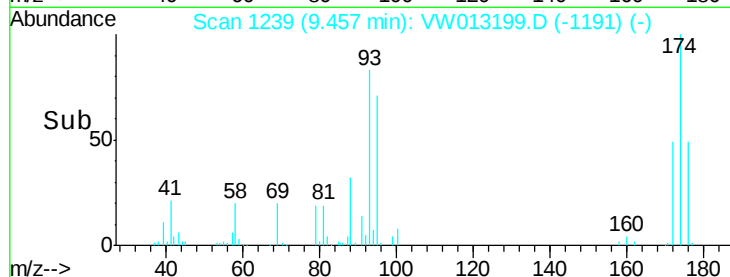
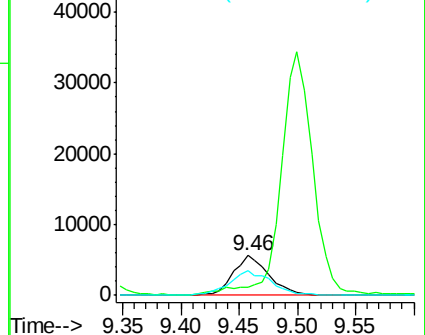
58 72.0 65.4 98.0



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: 51.131 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013199.D

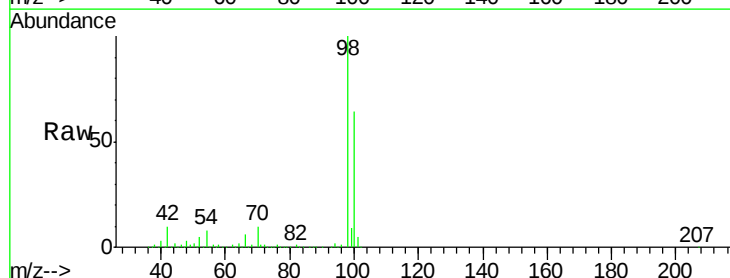
Acq: 20 Sep 2019 23:10

Tgt Ion: 98 Resp: 494820

Ion Ratio Lower Upper

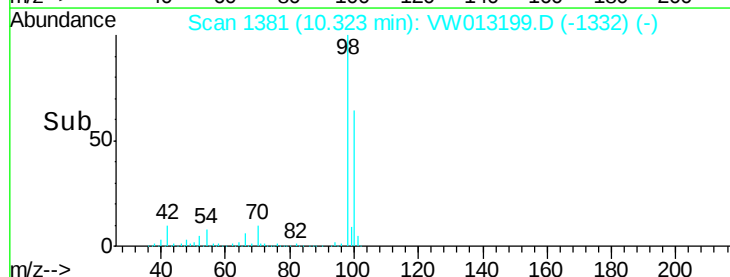
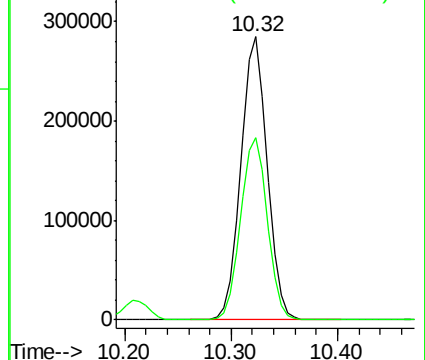
98 100

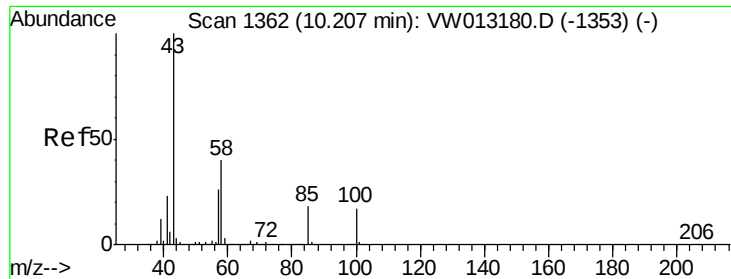
100 65.5 52.9 79.3



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: 129.793 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013199.D

Acq: 20 Sep 2019 23:10

Instrument :

MSVOA_W

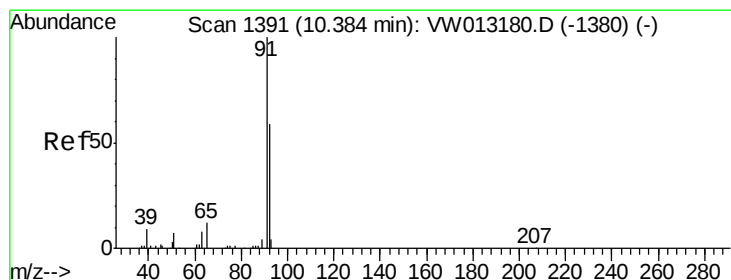
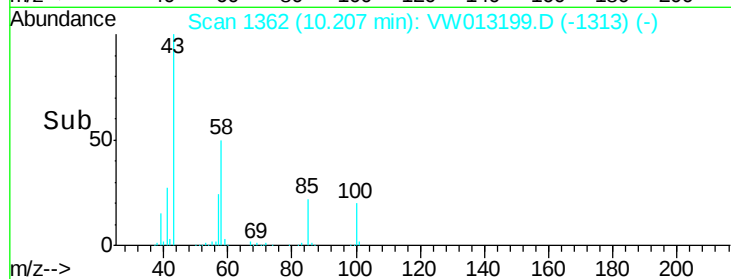
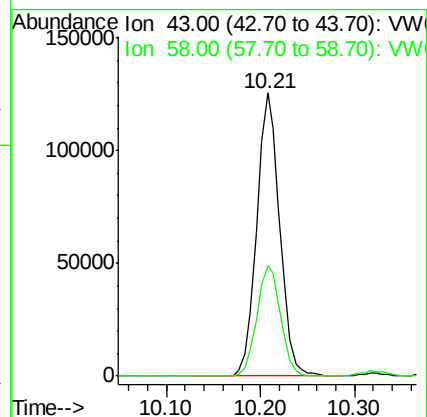
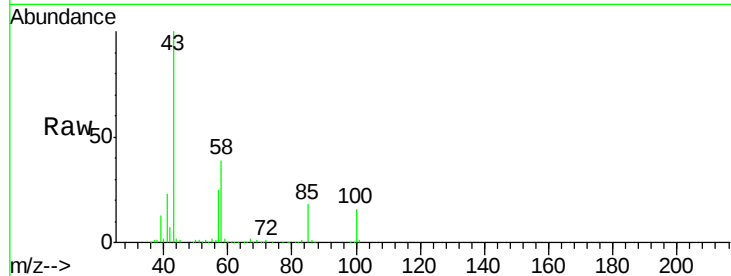
ClientSampleId :

Tot Ion: 43 Resp: 215828

Ion Ratio Lower Upper

43 100

58 40.3 31.7 47.5



#52

Toluene

Concen: 19.976 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013199.D

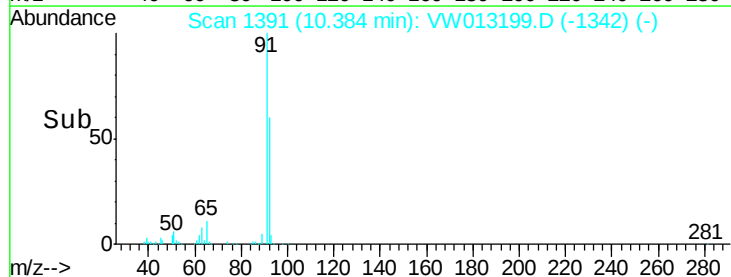
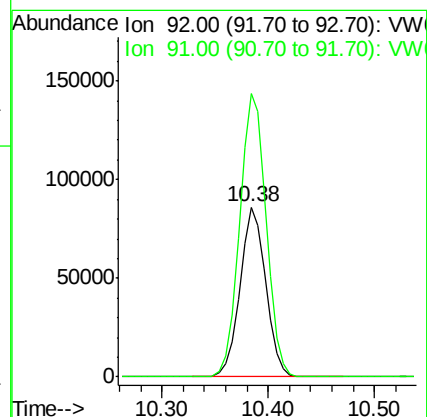
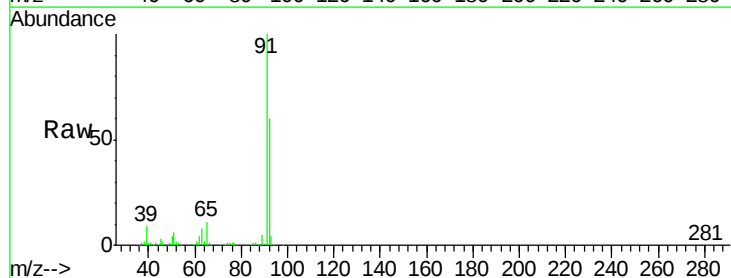
Acq: 20 Sep 2019 23:10

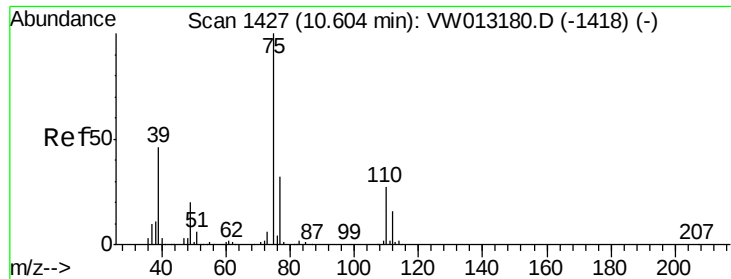
Tgt Ion: 92 Resp: 145412

Ion Ratio Lower Upper

92 100

91 172.5 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 19.335 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013199.D

Acq: 20 Sep 2019 23:10

Instrument :

MSVOA_W

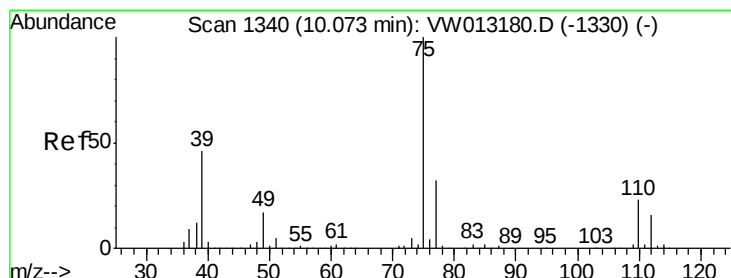
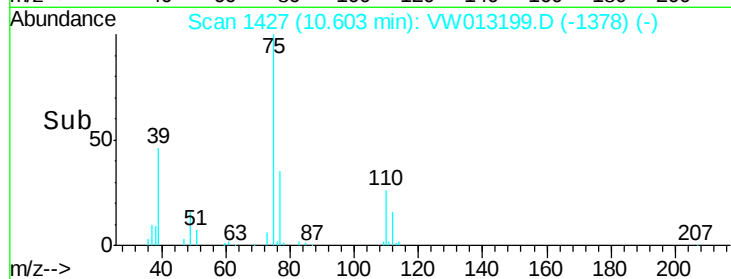
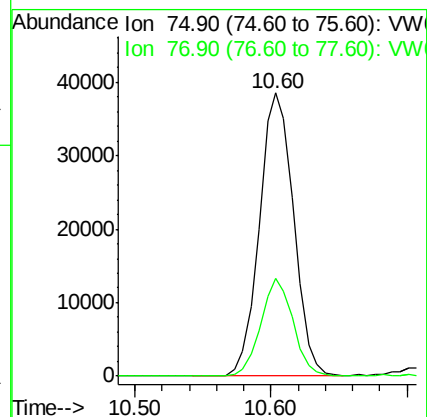
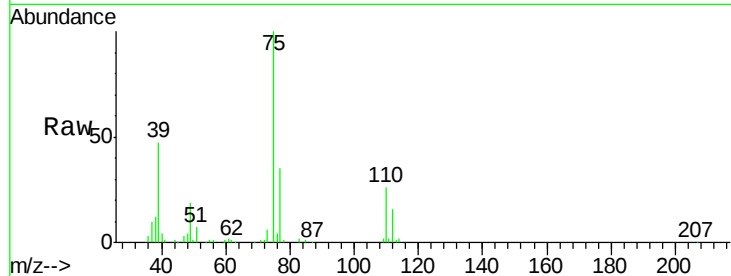
ClientSampled :

Tot Ion: 75 Resp: 68050

Ion Ratio Lower Upper

75 100

77 34.8 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 19.096 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013199.D

Acq: 20 Sep 2019 23:10

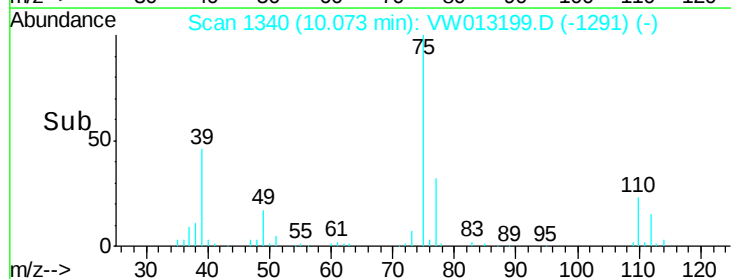
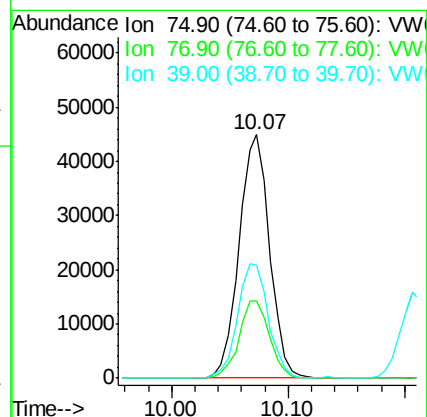
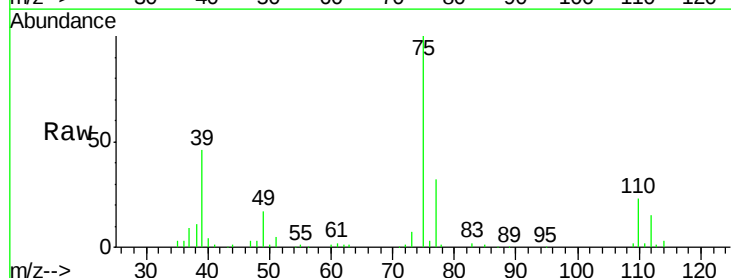
Tgt Ion: 75 Resp: 81720

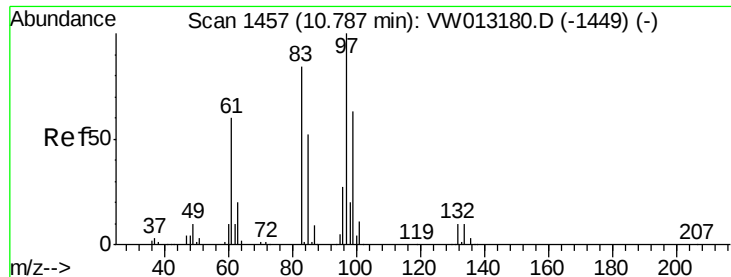
Ion Ratio Lower Upper

75 100

77 31.9 25.2 37.8

39 46.3 36.6 55.0





#55

1,1,2-Trichloroethane

Concen: 21.358 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013199.D

Acq: 20 Sep 2019 23:10

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 42978

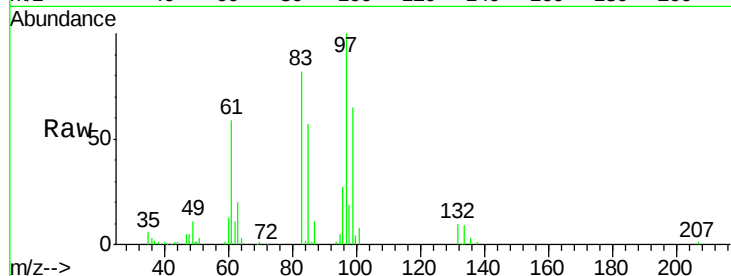
Ion Ratio Lower Upper

97 100

83 81.6 67.6 101.4

85 57.1 41.9 62.9

99 65.3 50.1 75.1

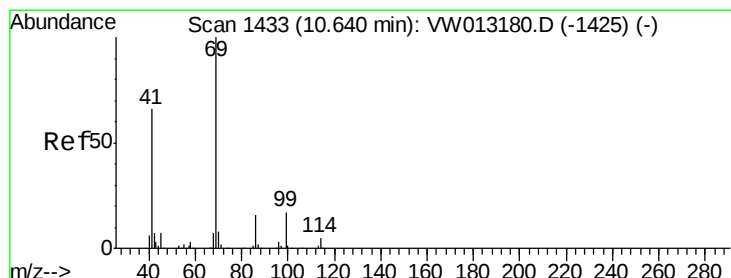
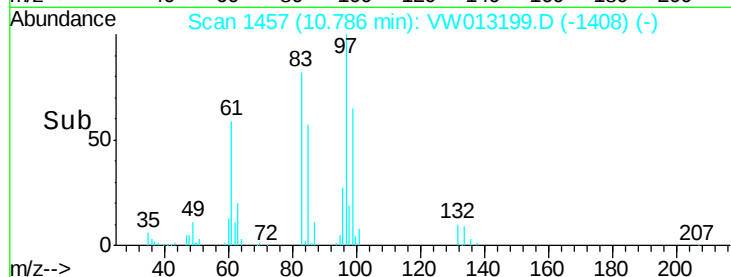
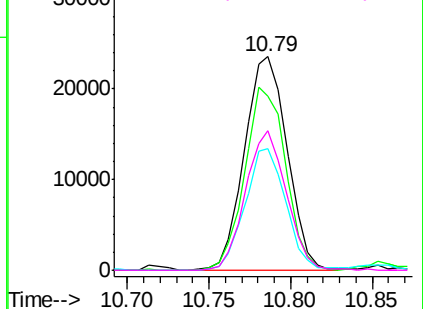


Abundance Ion 96.90 (96.60 to 97.60): VW

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: 22.554 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW013199.D

Acq: 20 Sep 2019 23:10

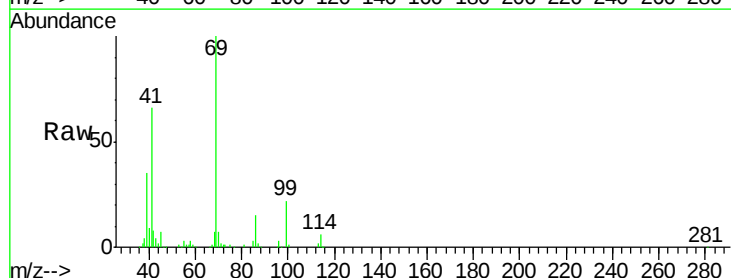
Tgt Ion: 69 Resp: 59398

Ion Ratio Lower Upper

69 100

41 70.7 53.9 80.9

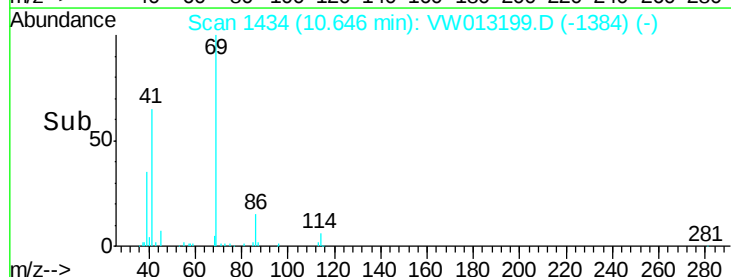
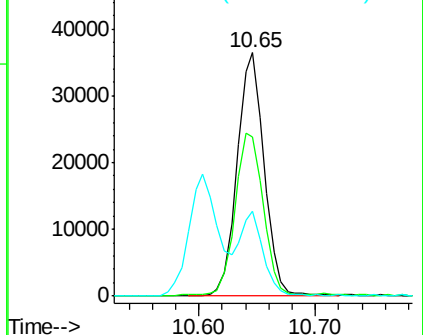
39 29.7 23.8 35.6

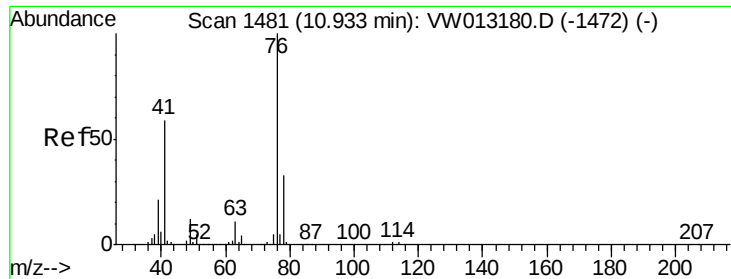


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

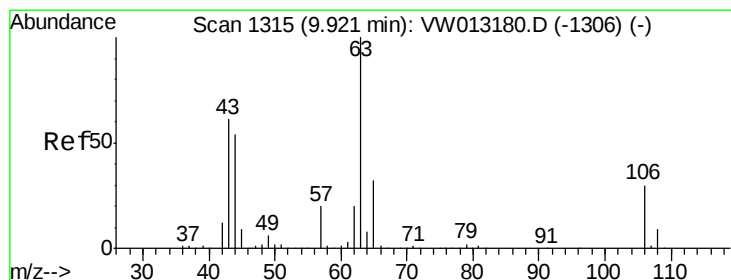
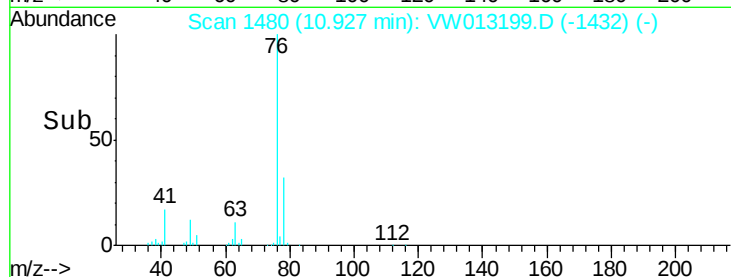
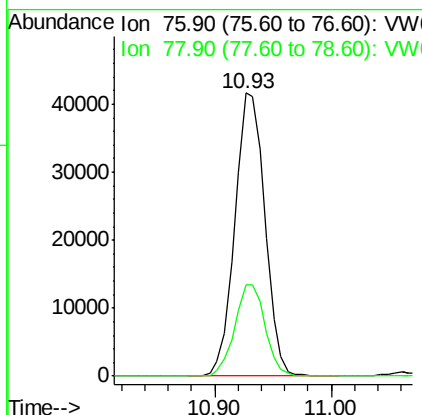
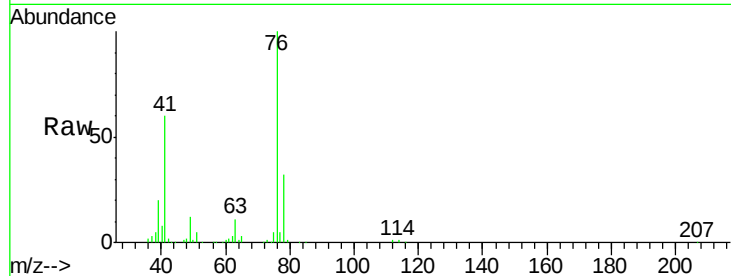




#57
 1,3-Dichloropropane
 Concen: 21.326 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

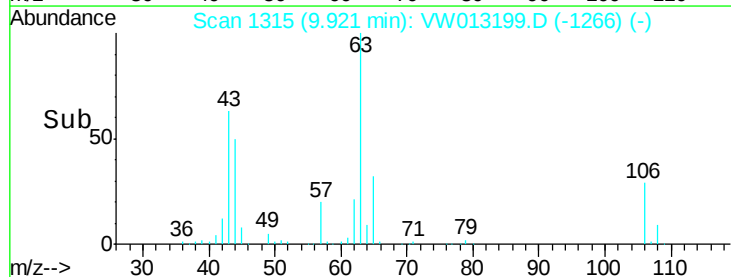
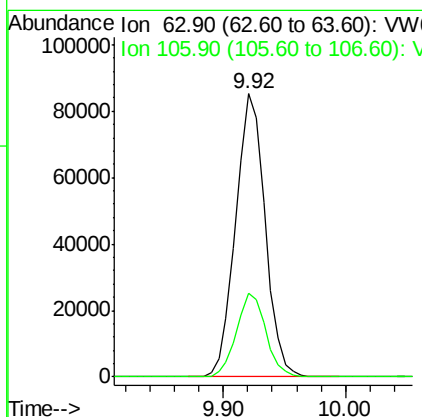
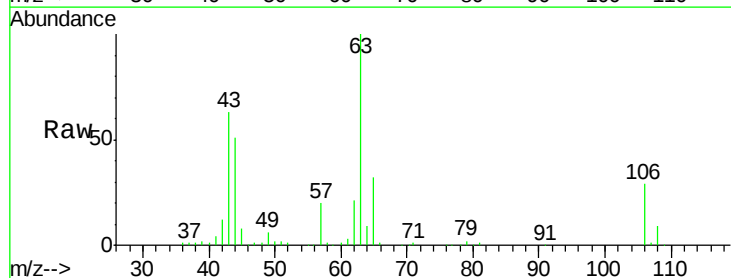
Instrument :
 MSVOA_W
 ClientSampled :

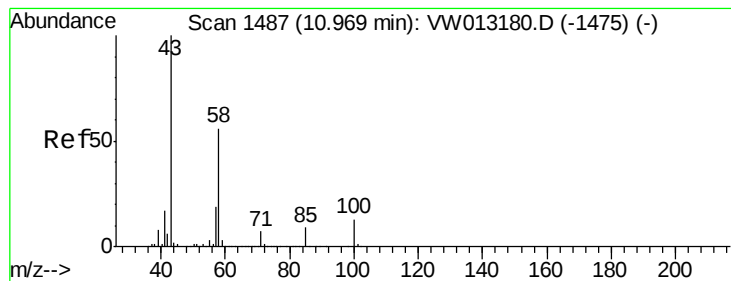
Tot Ion: 76 Resp: 74888
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 116.427 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Tgt Ion: 63 Resp: 141946
 Ion Ratio Lower Upper
 63 100
 106 29.4 23.4 35.0





#59

2-Hexanone

Concen: 128.459 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW013199.D

Acq: 20 Sep 2019 23:10

Instrument :

MSVOA_W

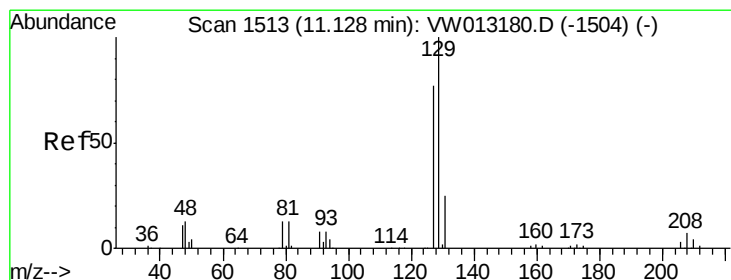
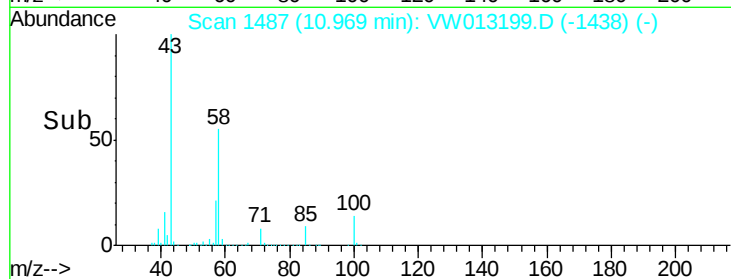
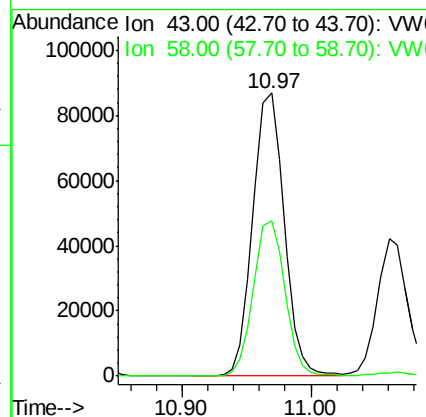
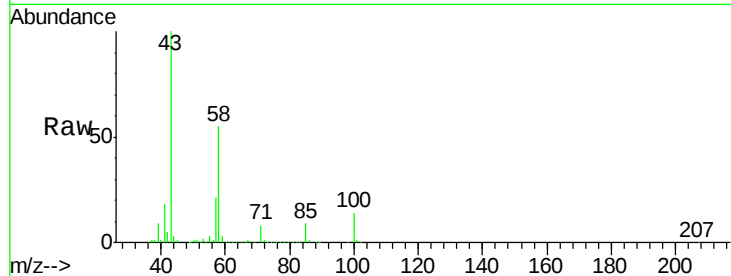
ClientSampleId :

Tot Ion: 43 Resp: 146963

Ion Ratio Lower Upper

43 100

58 55.2 28.1 84.2



#60

Dibromochloromethane

Concen: 20.535 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW013199.D

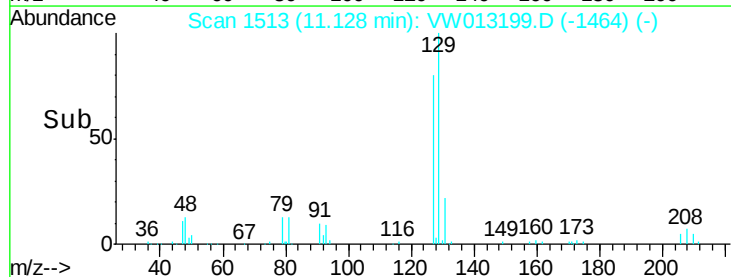
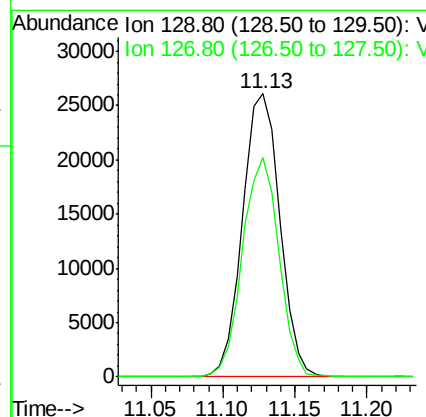
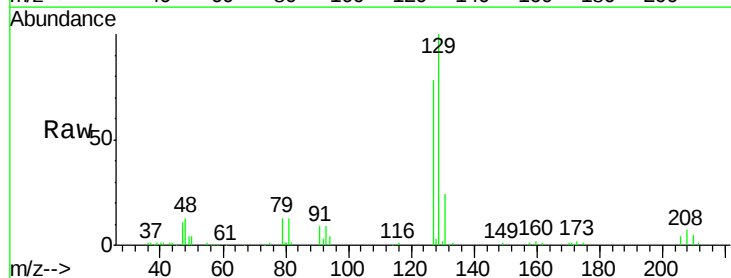
Acq: 20 Sep 2019 23:10

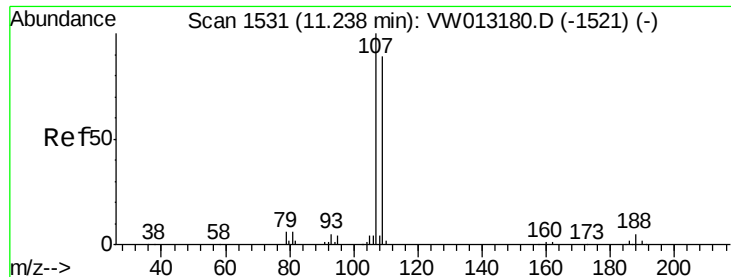
Tgt Ion: 129 Resp: 46922

Ion Ratio Lower Upper

129 100

127 75.6 38.8 116.4

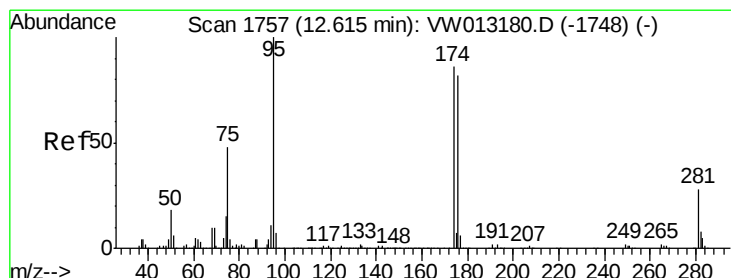
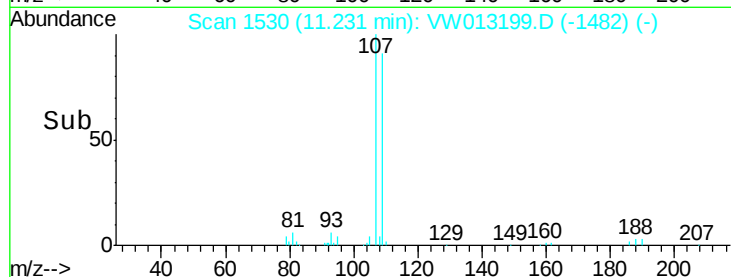
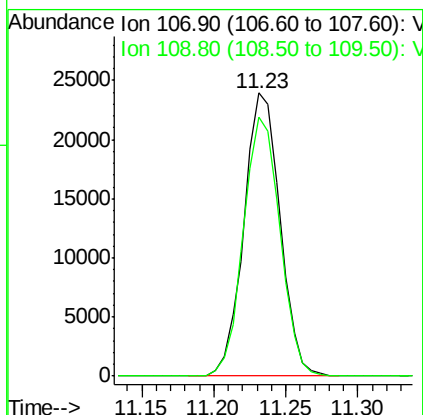
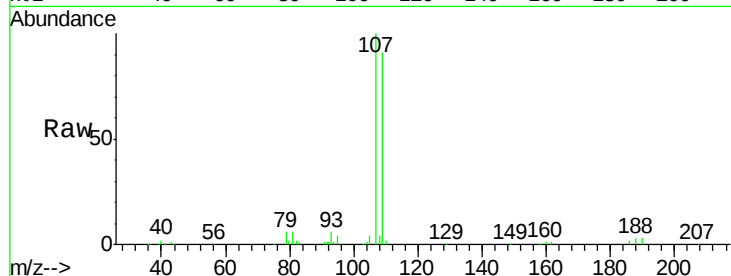




#61
 1,2-Dibromoethane
 Concen: 21.661 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

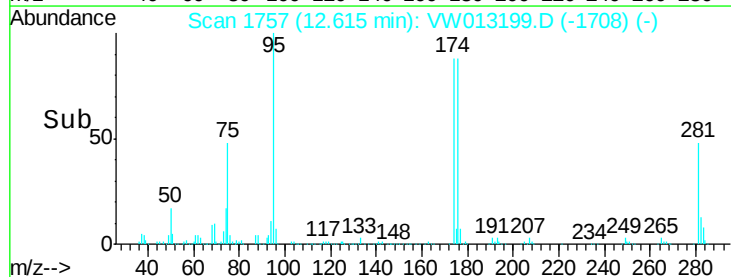
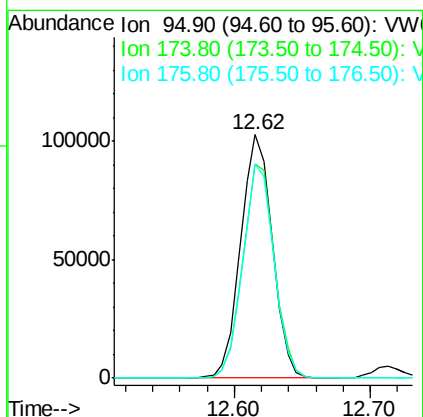
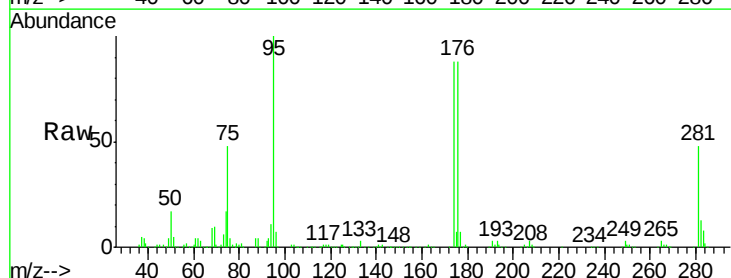
Instrument :
 MSVOA_W
 ClientSampled :

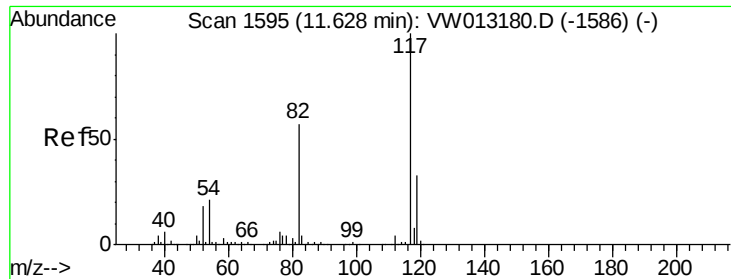
Tot Ion:107 Resp: 41444
 Ion Ratio Lower Upper
 107 100
 109 92.9 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 50.620 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Tgt Ion: 95 Resp: 167334
 Ion Ratio Lower Upper
 95 100
 174 88.6 0.0 178.4
 176 86.5 0.0 172.2

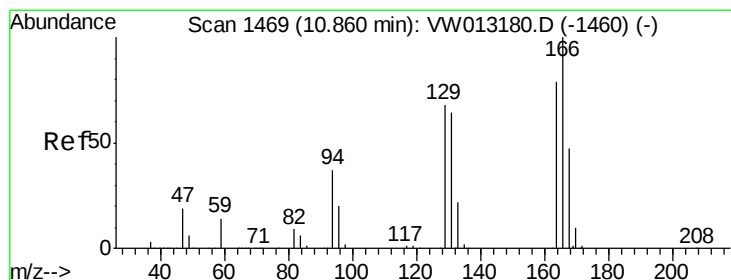
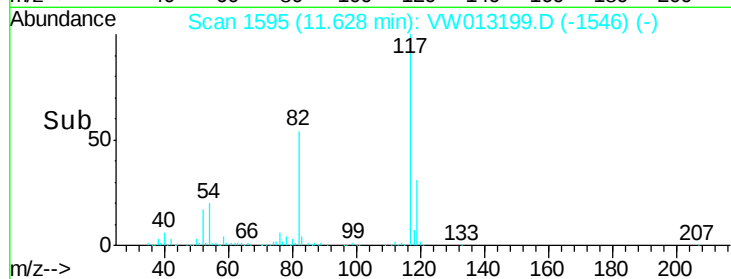
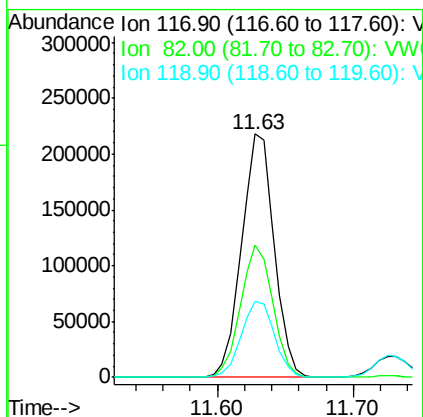
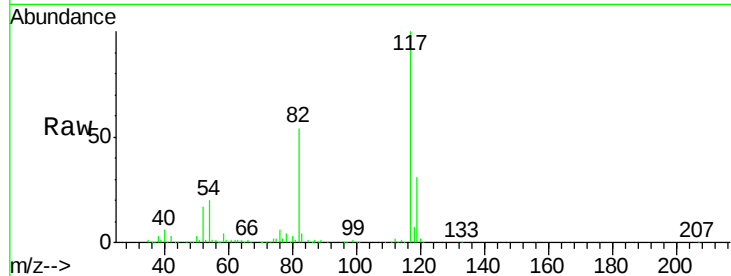




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013199.D
Acq: 20 Sep 2019 23:10

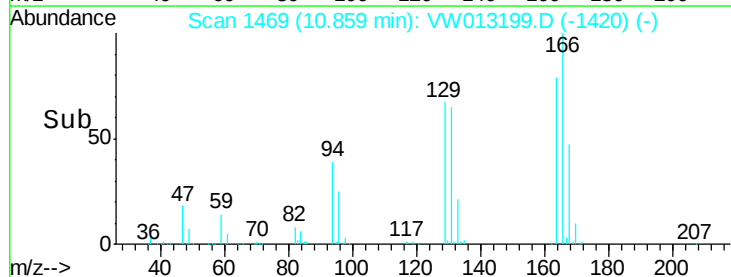
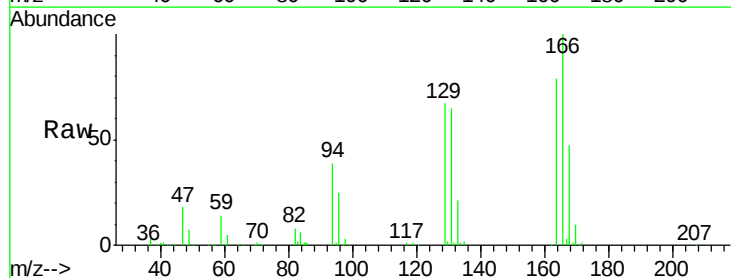
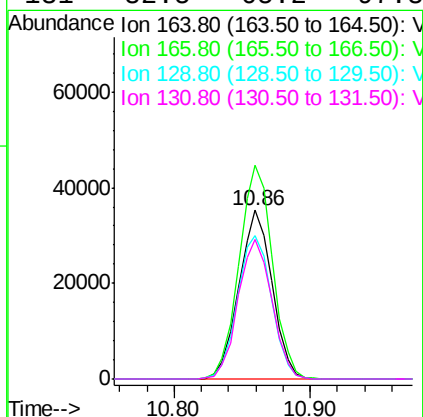
Instrument :
MSVOA_W
ClientSampled :

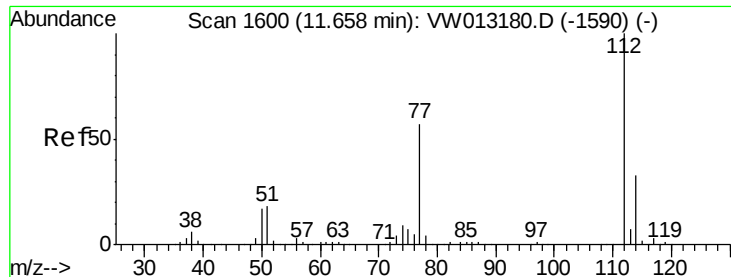
Tot Ion:117 Resp: 365231
Ion Ratio Lower Upper
117 100
82 54.2 45.9 68.9
119 31.3 26.2 39.2



#64
Tetrachloroethene
Concen: 21.694 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013199.D
Acq: 20 Sep 2019 23:10

Tgt Ion:164 Resp: 60117
Ion Ratio Lower Upper
164 100
166 126.6 101.2 151.8
129 85.0 68.8 103.2
131 82.5 65.2 97.8





#65

Chlorobenzene

Concen: 19.612 ug/l

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW013199.D

Acq: 20 Sep 2019 23:10

Instrument :

MSVOA_W

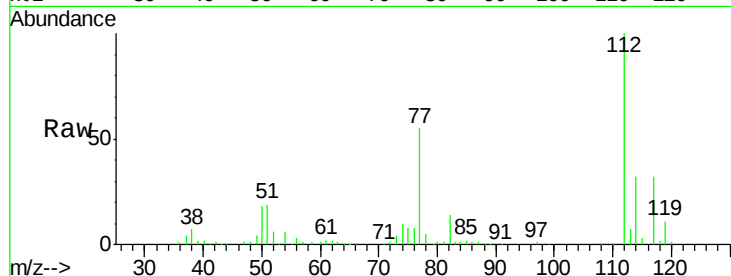
ClientSampleId :

Tot Ion:112 Resp: 149574

Ion Ratio Lower Upper

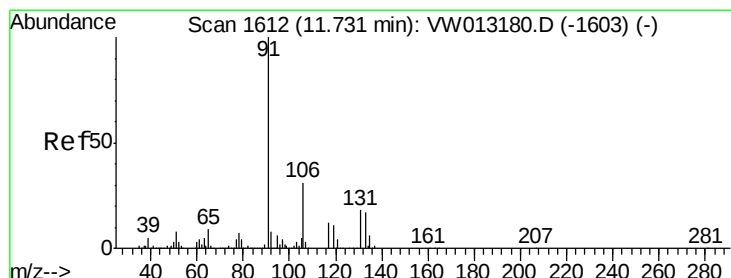
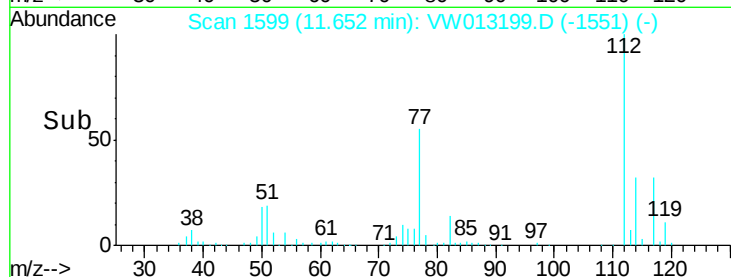
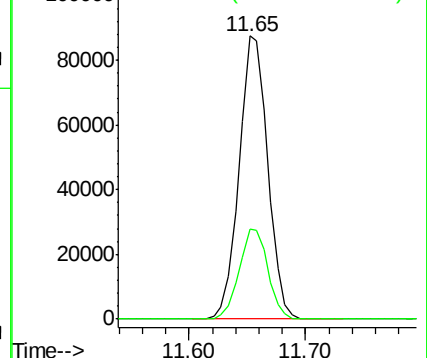
112 100

114 31.9 26.5 39.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.252 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013199.D

Acq: 20 Sep 2019 23:10

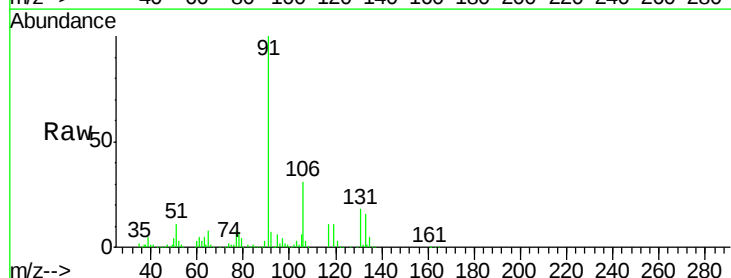
Tgt Ion:131 Resp: 50161

Ion Ratio Lower Upper

131 100

133 97.3 47.5 142.6

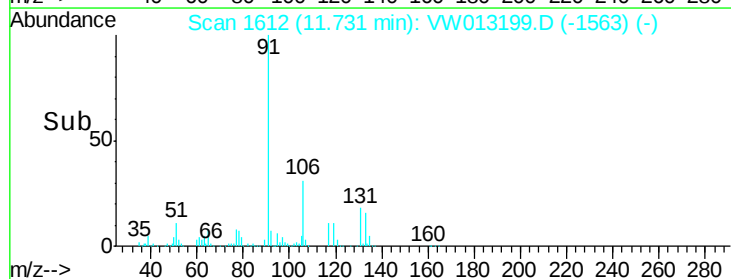
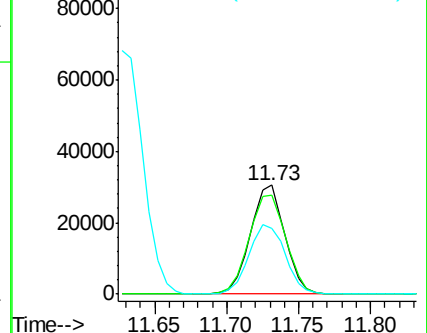
119 67.1 32.5 97.5

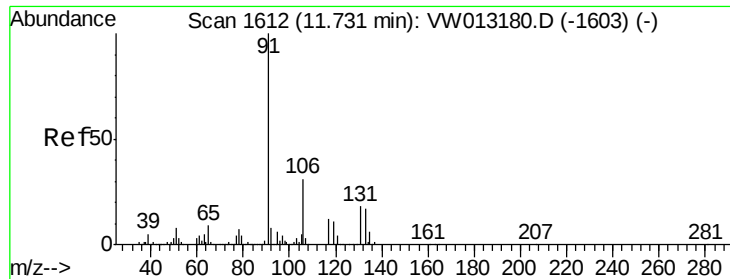


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

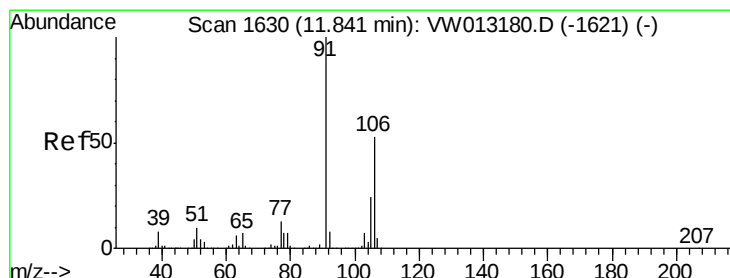
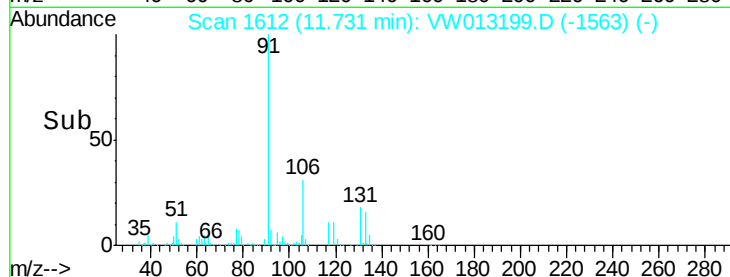
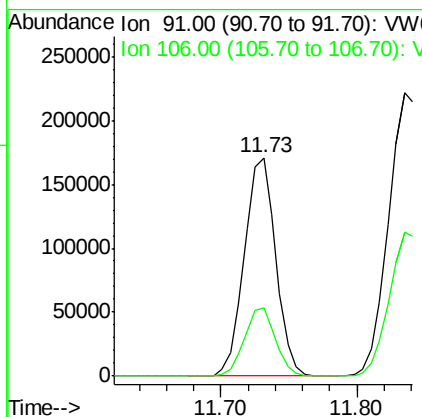
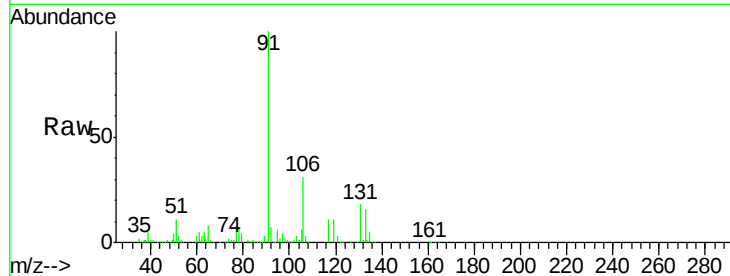




#67
Ethyl Benzene
Concen: 20.020 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013199.D
Acq: 20 Sep 2019 23:10

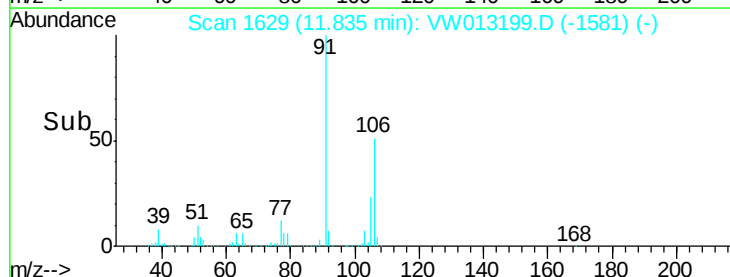
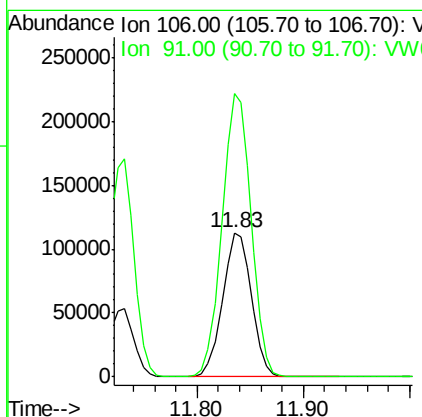
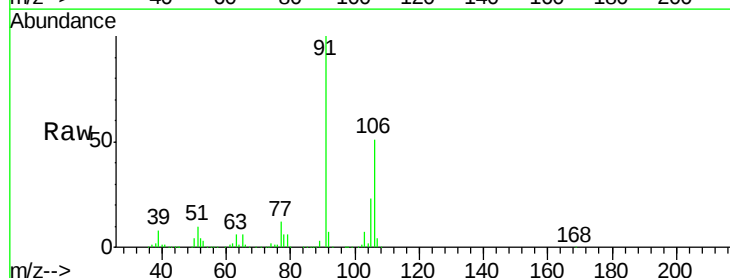
Instrument :
MSVOA_W
ClientSampled :

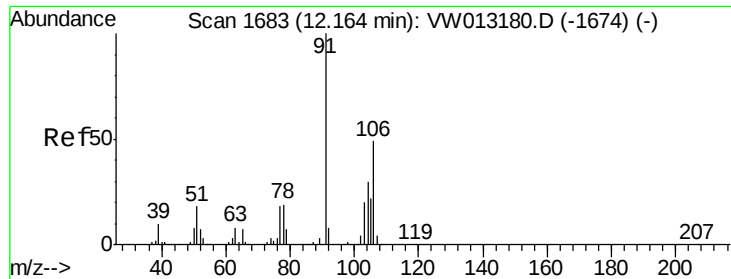
Tot Ion: 91 Resp: 276653
Ion Ratio Lower Upper
91 100
106 31.1 24.9 37.3



#68
m/p-Xylenes
Concen: 40.165 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013199.D
Acq: 20 Sep 2019 23:10

Tgt Ion: 106 Resp: 211503
Ion Ratio Lower Upper
106 100
91 198.7 157.9 236.9

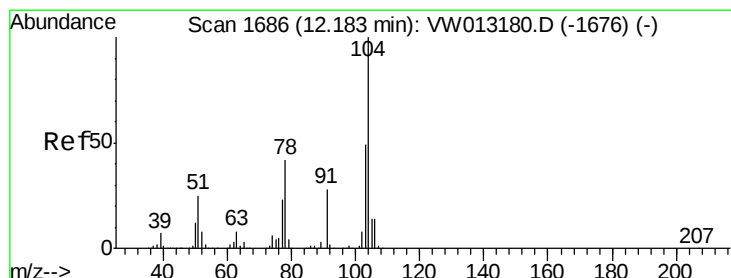
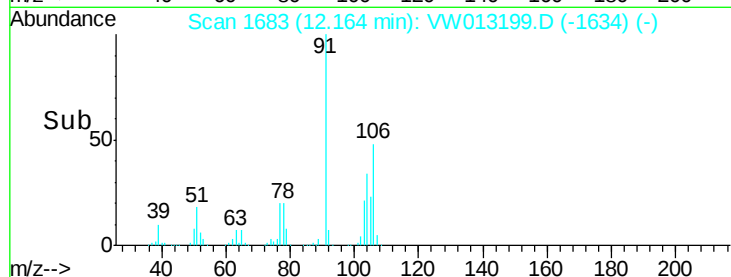
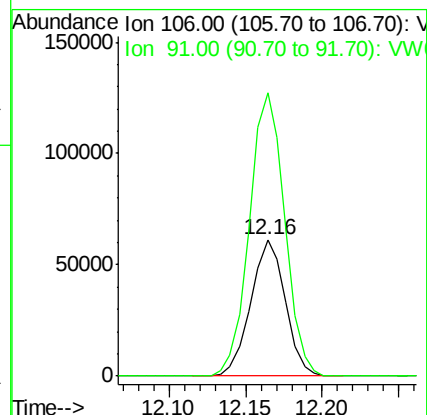
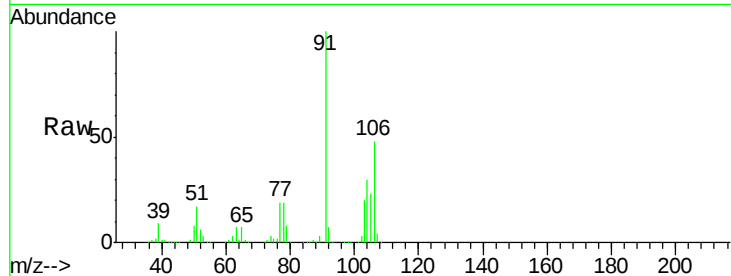




#69
o-Xylene
Concen: 19.571 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013199.D
Acq: 20 Sep 2019 23:10

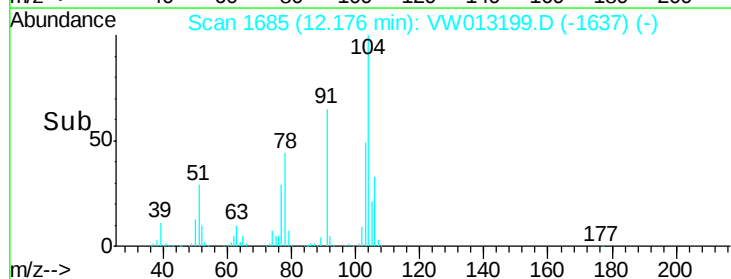
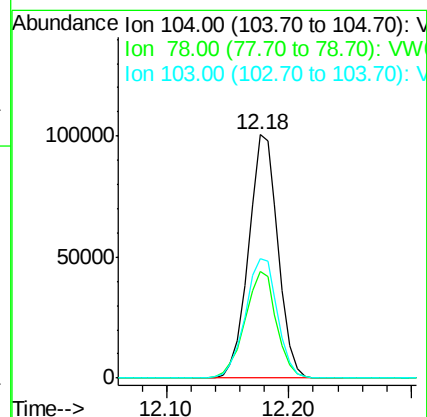
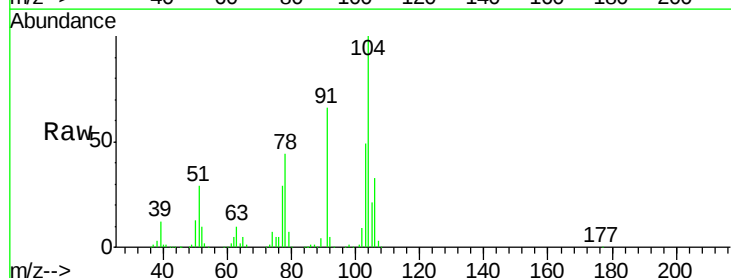
Instrument :
MSVOA_W
ClientSampleId :

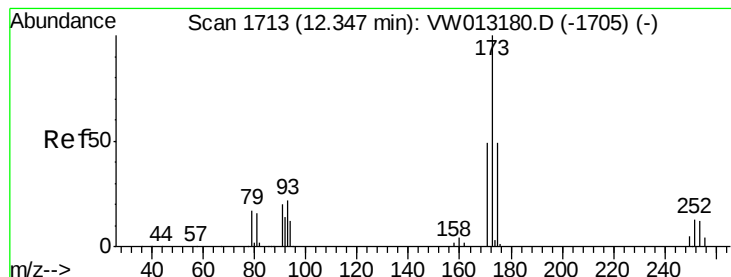
Tot Ion:106 Resp: 95815
Ion Ratio Lower Upper
106 100
91 212.9 106.5 319.5



#70
Styrene
Concen: 19.948 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW013199.D
Acq: 20 Sep 2019 23:10

Tgt Ion:104 Resp: 167667
Ion Ratio Lower Upper
104 100
78 46.9 38.4 57.6
103 53.8 43.3 64.9





#71

Bromoform

Concen: 21.009 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013199.D

Acq: 20 Sep 2019 23:10

Instrument :

MSVOA_W

ClientSampleId :

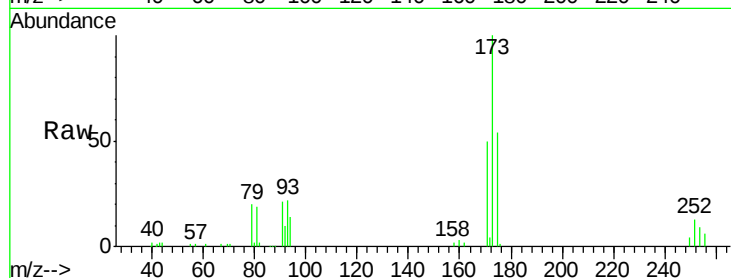
Tot Ion:173 Resp: 28919

Ion Ratio Lower Upper

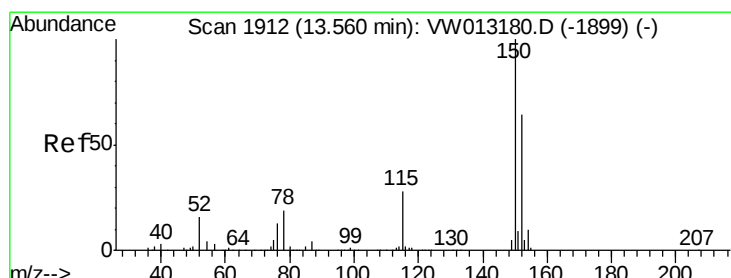
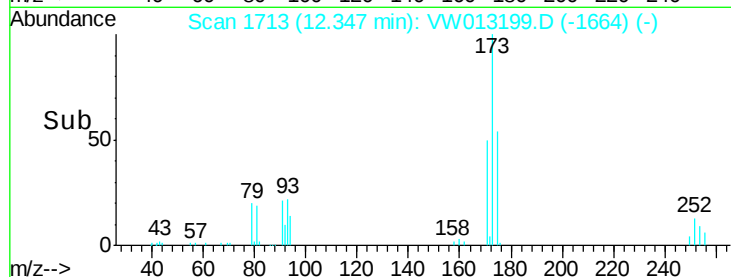
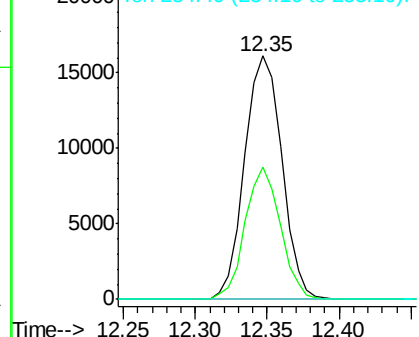
173 100

175 51.4 24.3 73.0

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW013199.D

Acq: 20 Sep 2019 23:10

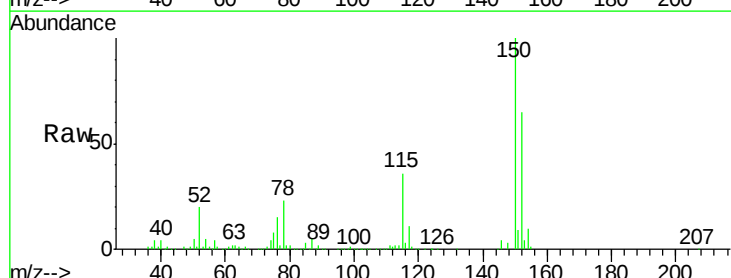
Tgt Ion:152 Resp: 187014

Ion Ratio Lower Upper

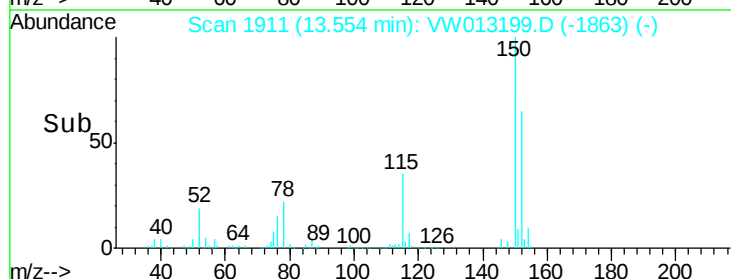
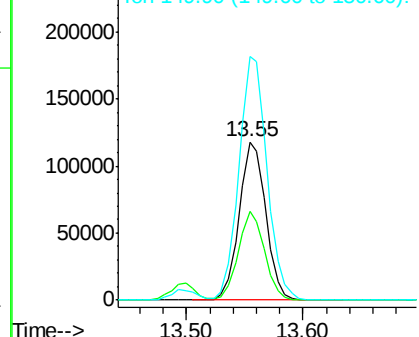
152 100

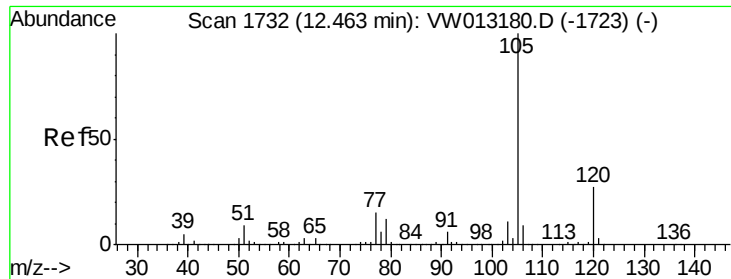
115 55.3 27.3 81.9

150 162.4 0.0 349.0



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: 20.384 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013199.D

Acq: 20 Sep 2019 23:10

Instrument :

MSVOA_W

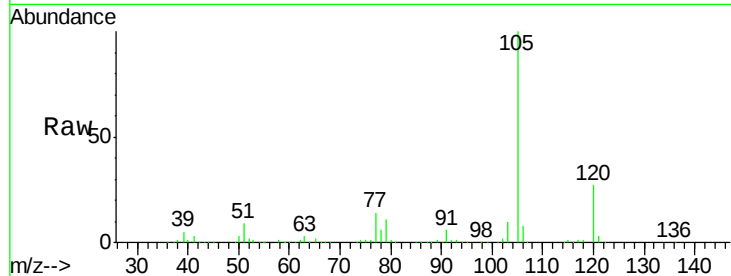
ClientSampleId :

Tot Ion:105 Resp: 281610

Ion Ratio Lower Upper

105 100

120 26.6 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

200000

150000

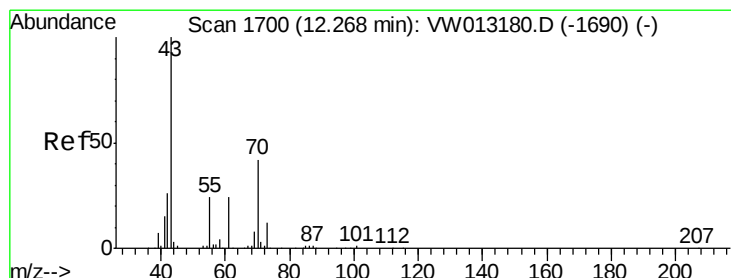
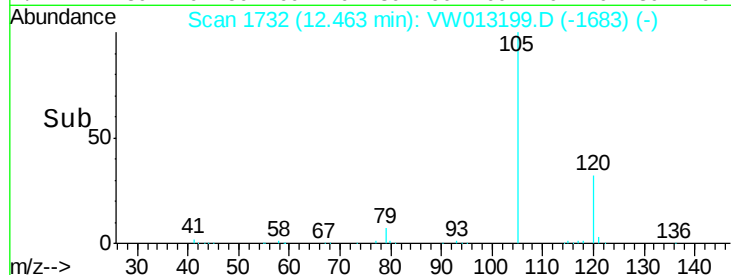
100000

50000

0

Time-->

12.40 12.45 12.50



#74

N-ethyl acetate

Concen: 21.999 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VW013199.D

Acq: 20 Sep 2019 23:10

Tgt Ion: 43 Resp: 67438

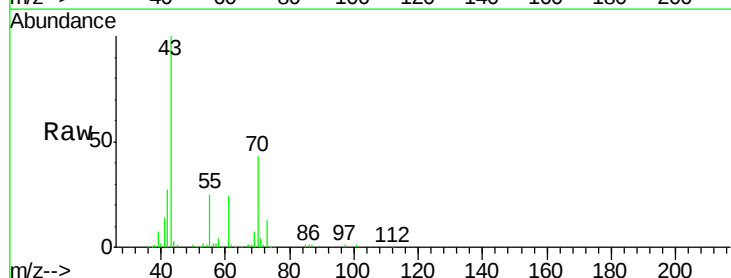
Ion Ratio Lower Upper

43 100

70 43.7 35.1 52.7

55 26.2 19.9 29.9

61 24.5 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

12.27

60000

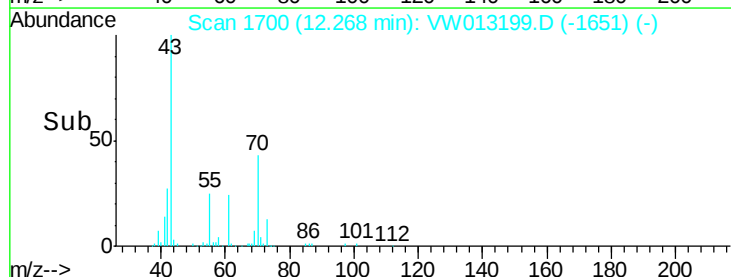
40000

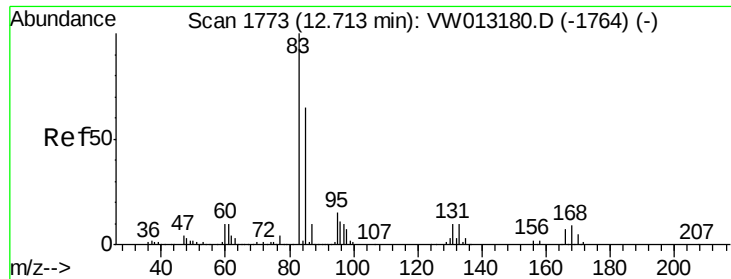
20000

0

Time-->

12.20 12.25 12.30 12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 22.398 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013199.D

Acq: 20 Sep 2019 23:10

Instrument :

MSVOA_W

ClientSampleId :

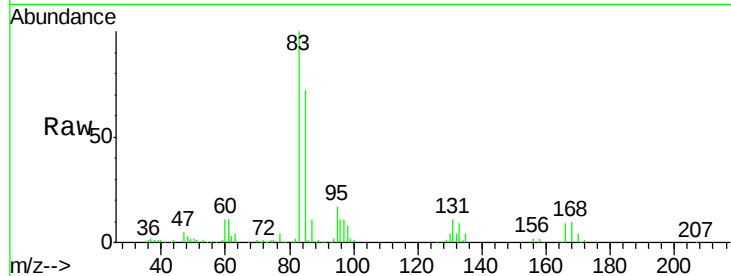
Tot Ion: 83 Resp: 51750

Ion	Ratio	Lower	Upper
83	100		
131	11.8	5.4	16.2
85	67.1	31.9	95.9

83 100

131 11.8 5.4 16.2

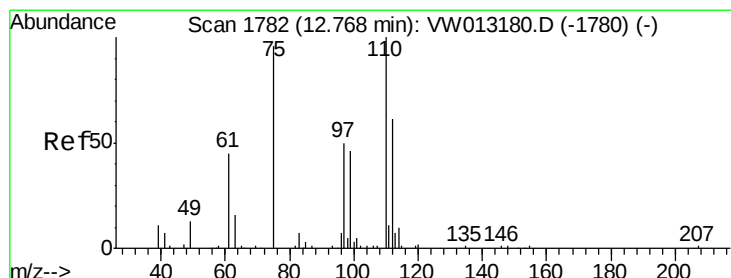
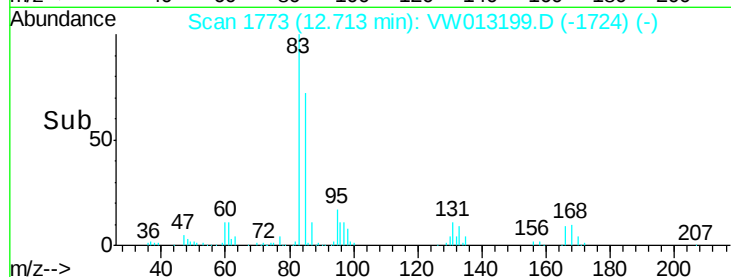
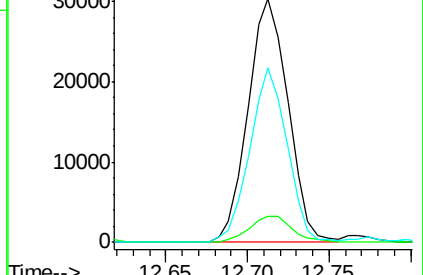
85 67.1 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 39.241 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013199.D

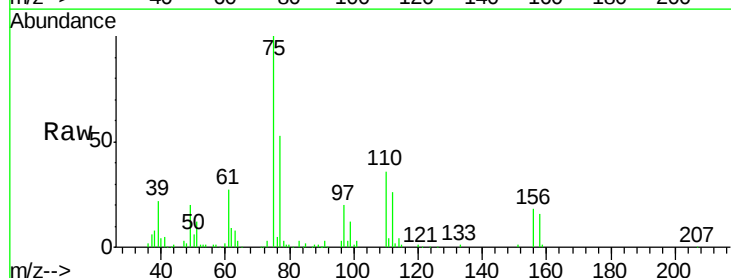
Acq: 20 Sep 2019 23:10

Tgt Ion: 75 Resp: 64810

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

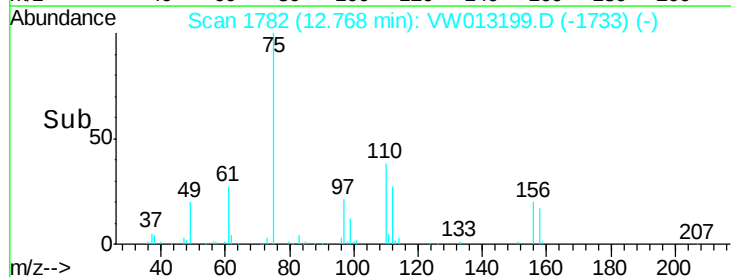
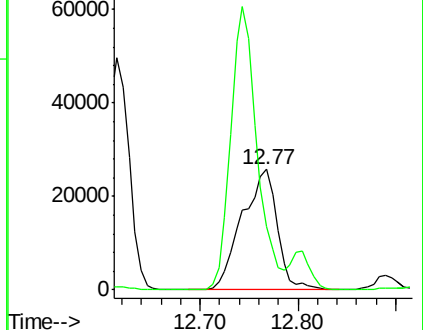
75 100

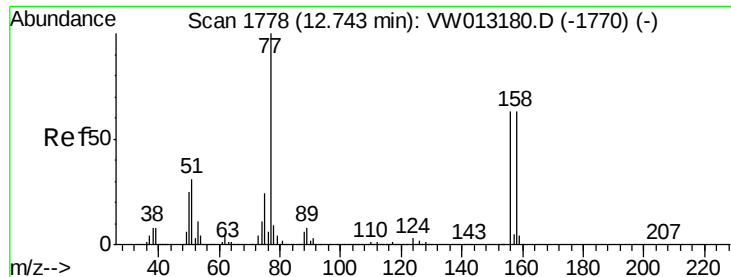
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.395 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013199.D

Acq: 20 Sep 2019 23:10

Instrument :

MSVOA_W

ClientSampleId :

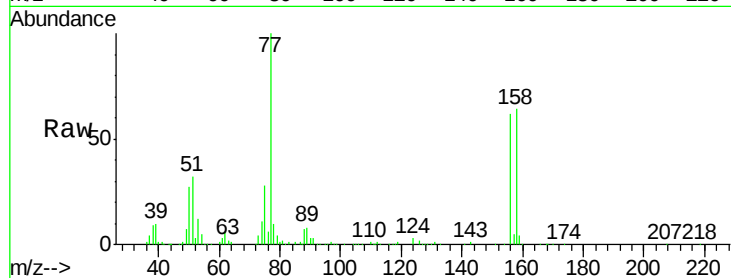
Tot Ion:156 Resp: 63493

Ion Ratio Lower Upper

156 100

77 179.3 85.7 257.1

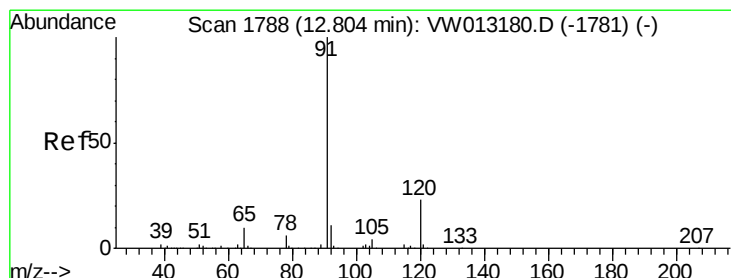
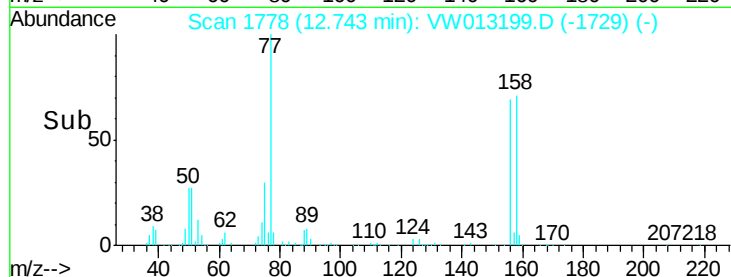
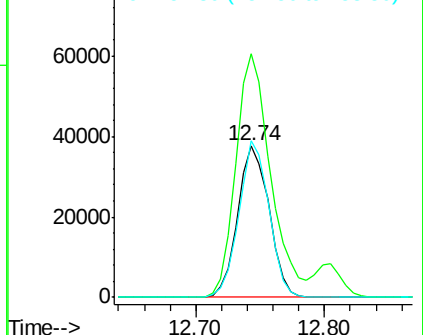
158 98.6 48.1 144.4



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: 19.683 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013199.D

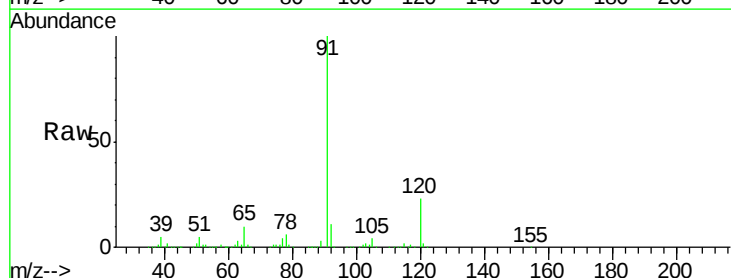
Acq: 20 Sep 2019 23:10

Tgt Ion: 91 Resp: 318297

Ion Ratio Lower Upper

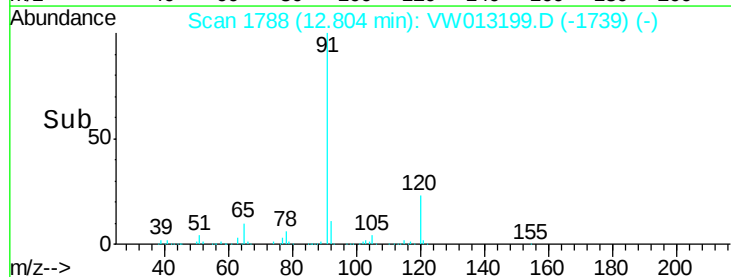
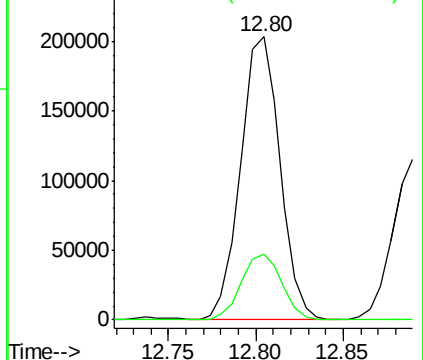
91 100

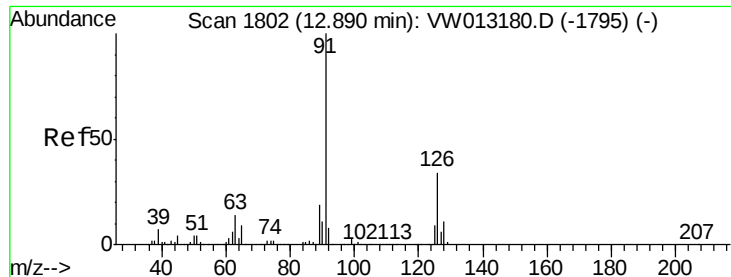
120 23.8 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.134 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013199.D

Acq: 20 Sep 2019 23:10

Instrument :

MSVOA_W

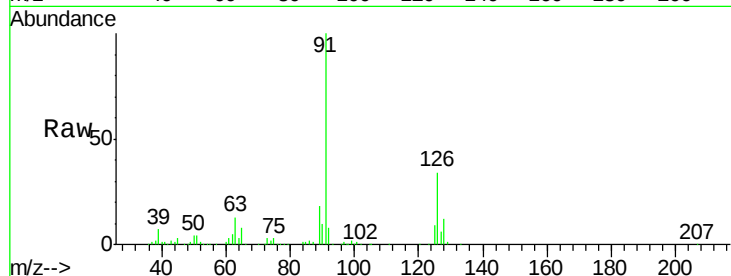
ClientSampleId :

Tot Ion: 91 Resp: 182400

Ion Ratio Lower Upper

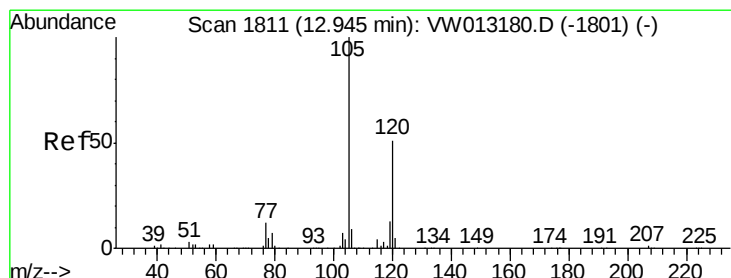
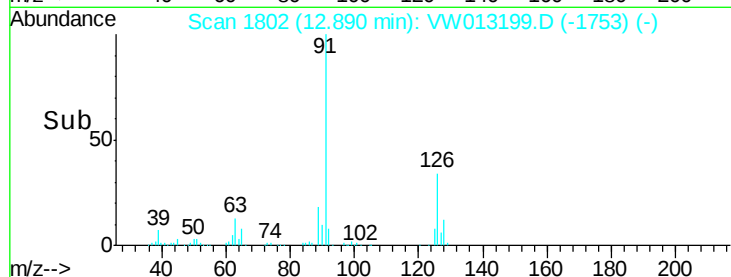
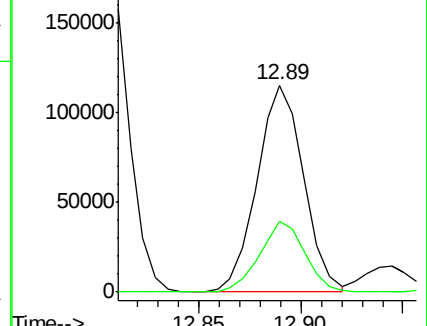
91 100

126 33.2 17.2 51.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.101 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013199.D

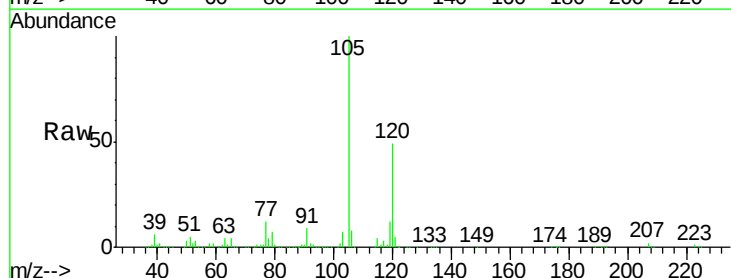
Acq: 20 Sep 2019 23:10

Tgt Ion:105 Resp: 233425

Ion Ratio Lower Upper

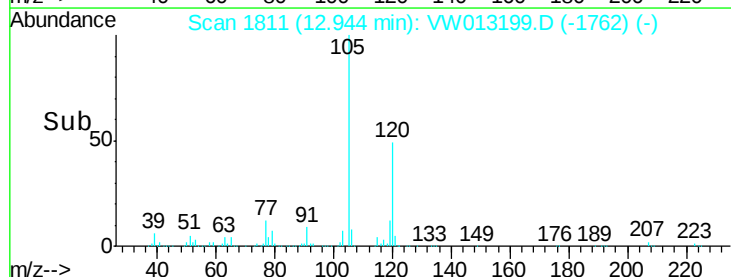
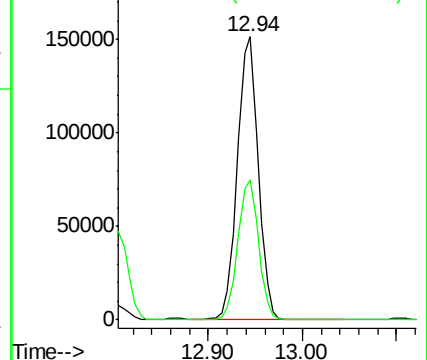
105 100

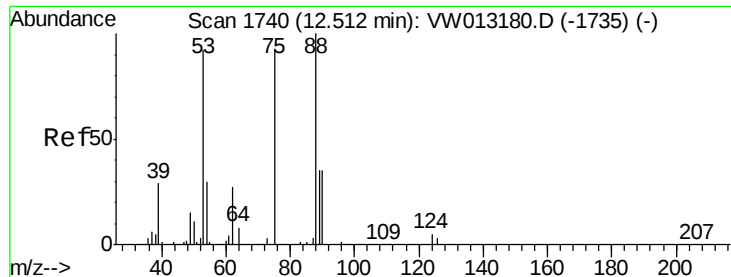
120 49.0 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 21.166 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013199.D

Acq: 20 Sep 2019 23:10

Instrument :

MSVOA_W

ClientSampled :

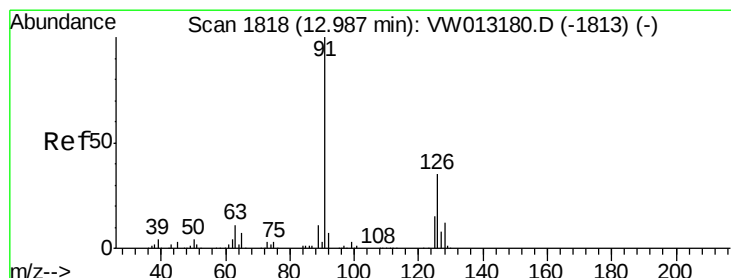
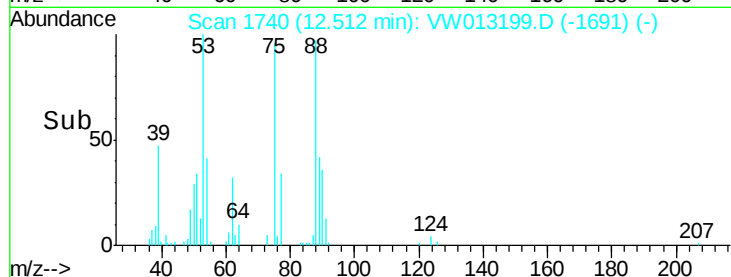
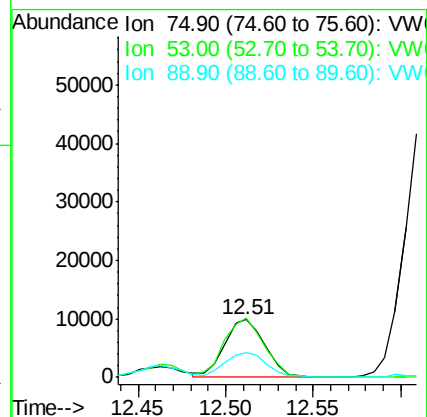
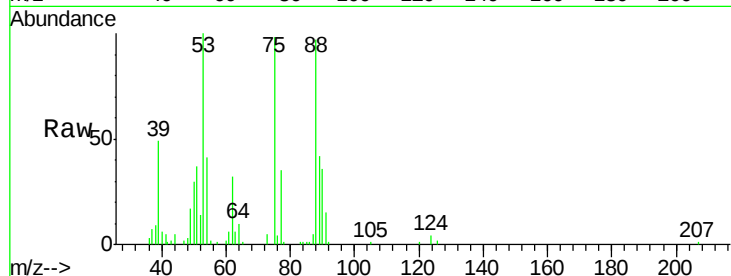
Tot Ion: 75 Resp: 15579

Ion Ratio Lower Upper

75 100

53 103.6 76.6 114.8

89 43.9 33.5 50.3



#82

4-Chlorotoluene

Concen: 19.128 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW013199.D

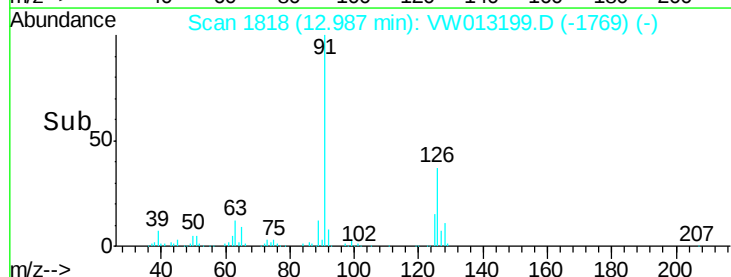
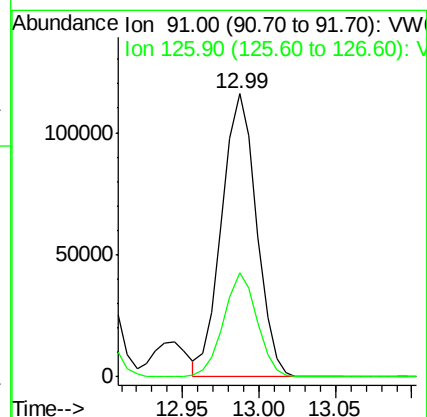
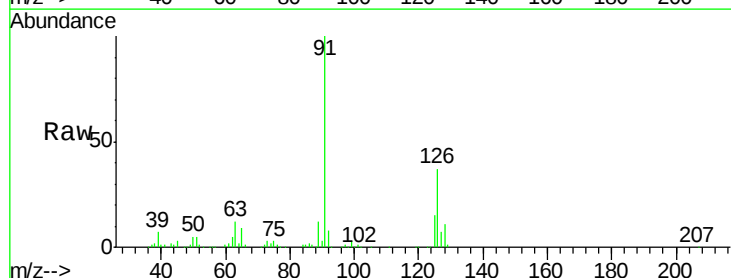
Acq: 20 Sep 2019 23:10

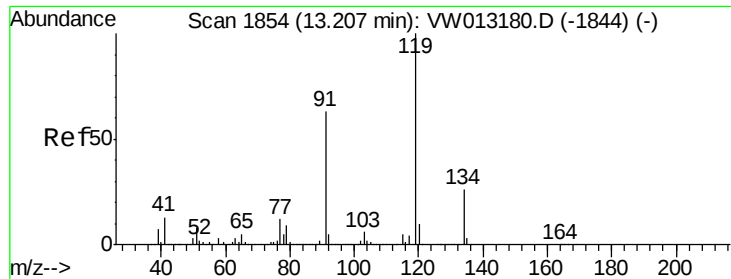
Tgt Ion: 91 Resp: 182740

Ion Ratio Lower Upper

91 100

126 35.7 17.3 51.7

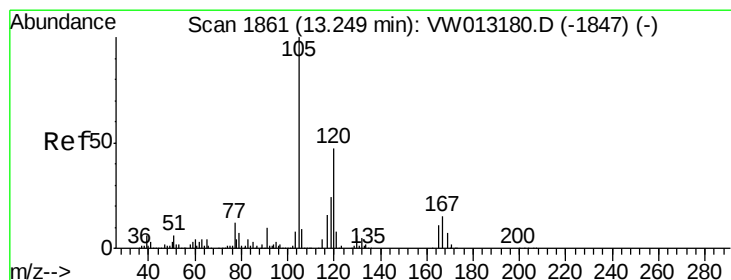
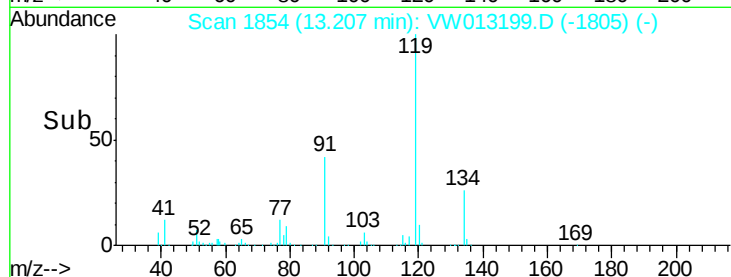
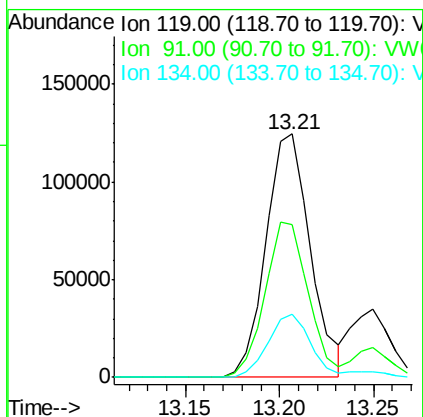
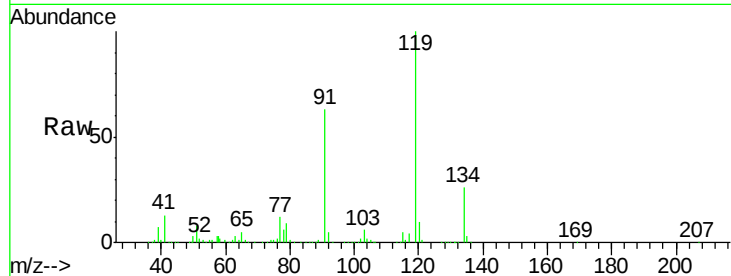




#83
tert-Butylbenzene
Concen: 20.070 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013199.D
Acq: 20 Sep 2019 23:10

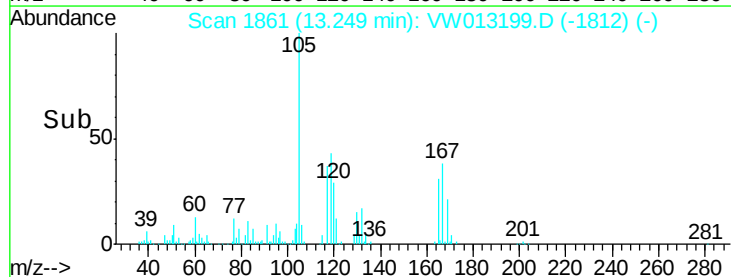
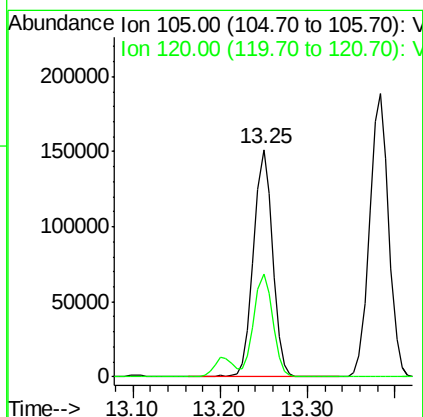
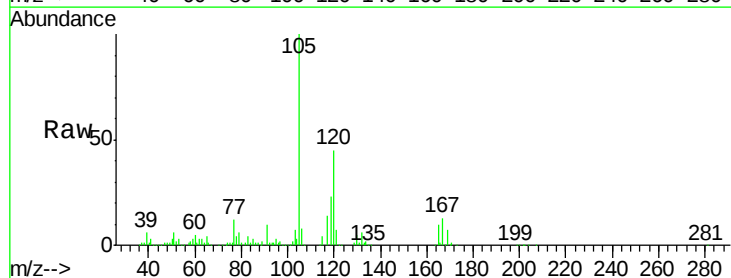
Instrument :
MSVOA_W
ClientSampleId :

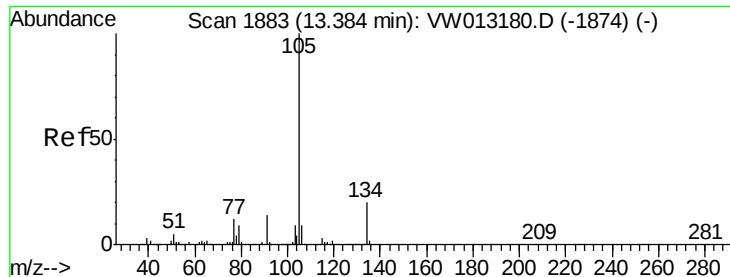
Tot Ion:119 Resp: 204570
Ion Ratio Lower Upper
119 100
91 61.9 30.7 92.1
134 25.1 12.6 37.6



#84
1,2,4-Trimethylbenzene
Concen: 19.765 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013199.D
Acq: 20 Sep 2019 23:10

Tgt Ion:105 Resp: 228405
Ion Ratio Lower Upper
105 100
120 44.8 23.4 70.3





#85

sec-Butylbenzene

Concen: 20.498 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013199.D

Acq: 20 Sep 2019 23:10

Instrument :

MSVOA_W

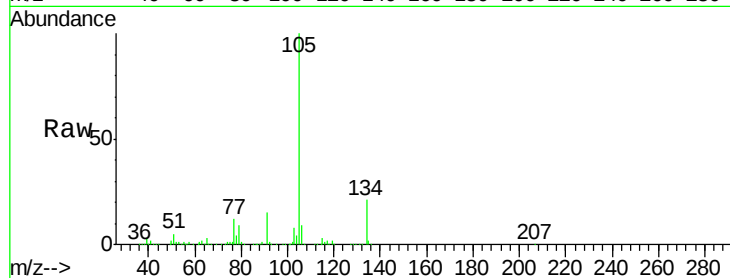
ClientSampleId :

Tot Ion:105 Resp: 288055

Ion Ratio Lower Upper

105 100

134 20.4 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

200000

150000

100000

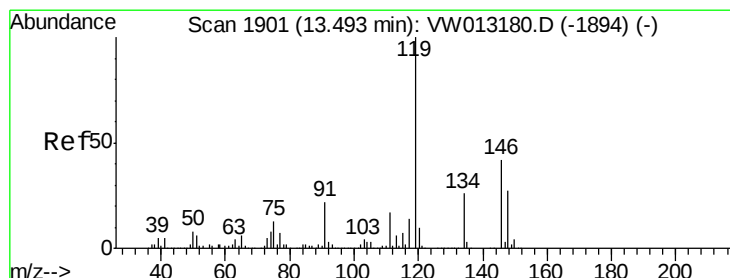
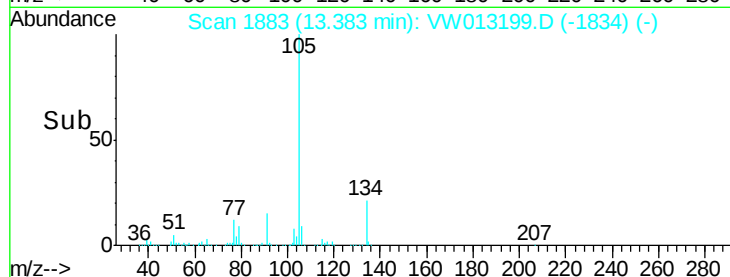
50000

0

Time-->

13.30

13.40



#86

p-Isopropyltoluene

Concen: 20.301 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.01 min

Lab File: VW013199.D

Acq: 20 Sep 2019 23:10

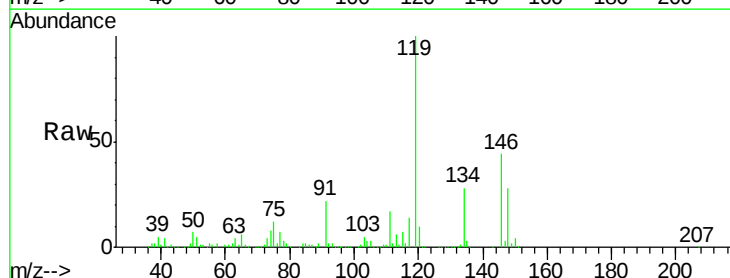
Tgt Ion:119 Resp: 264597

Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.8

91 21.6 10.8 32.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

200000

150000

100000

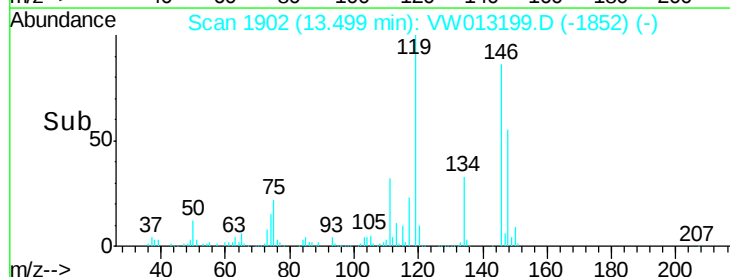
50000

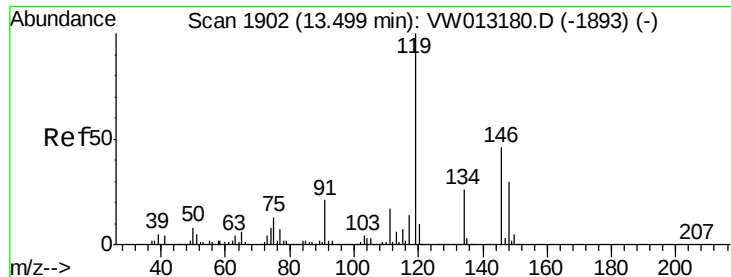
0

Time-->

13.40

13.50





#87

1,3-Dichlorobenzene

Concen: 19.395 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013199.D

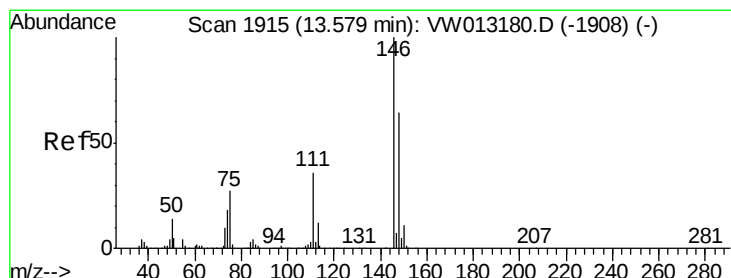
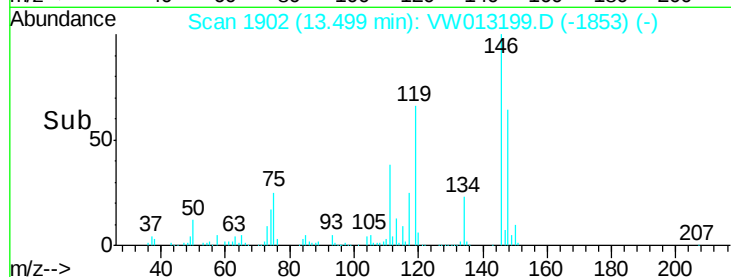
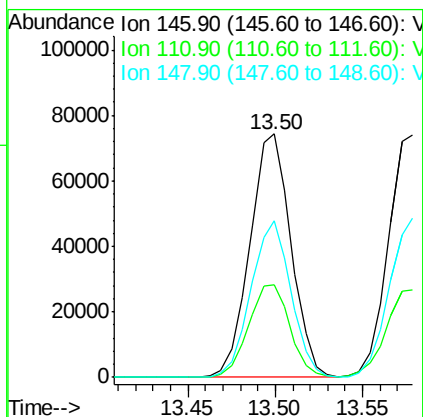
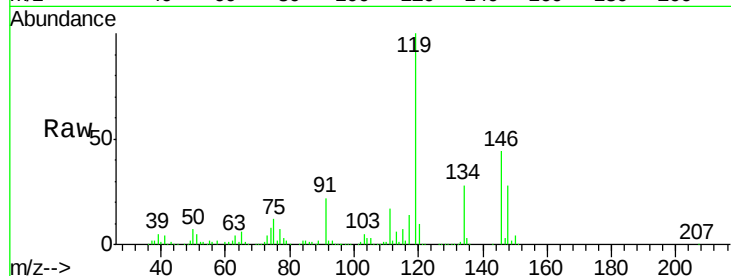
Acq: 20 Sep 2019 23:10

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:	146	Resp:	122202
Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.9	56.9
148	62.6	31.9	95.5



#88

1,4-Dichlorobenzene

Concen: 19.889 ug/l

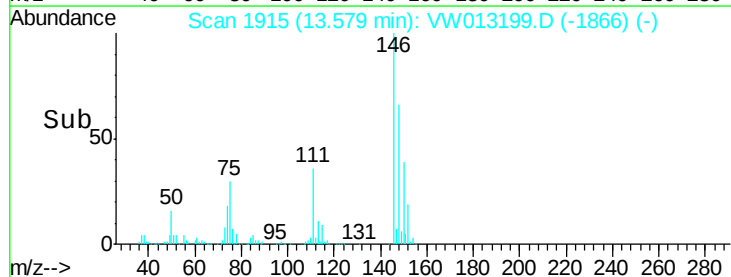
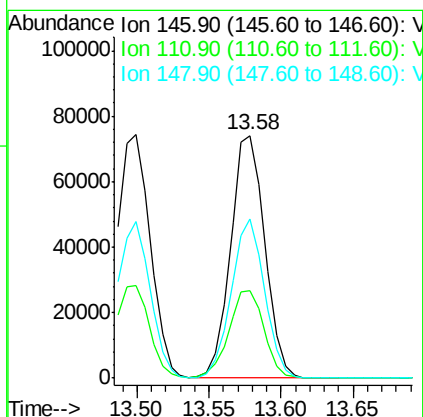
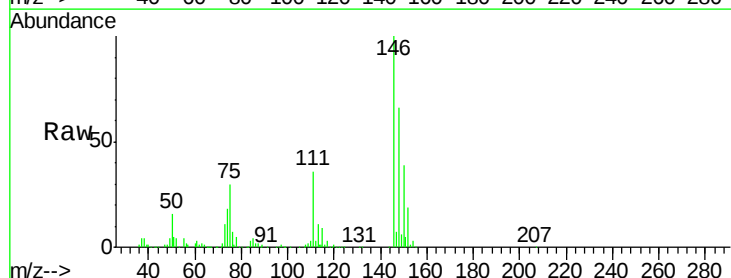
RT: 13.58 min Scan# 1915

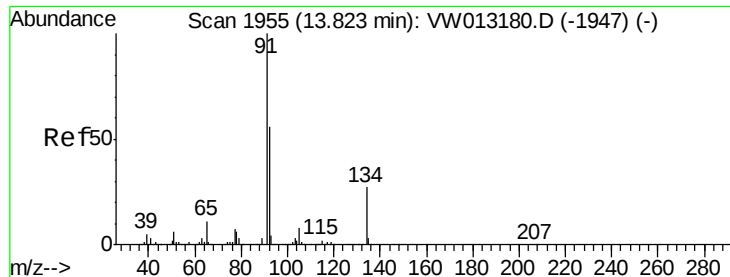
Delta R.T. -0.00 min

Lab File: VW013199.D

Acq: 20 Sep 2019 23:10

Tgt Ion:	146	Resp:	122898
Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.4	55.0
148	63.8	32.1	96.3





#89

n-Butylbenzene

Concen: 19.725 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013199.D

Acq: 20 Sep 2019 23:10

Instrument :

MSVOA_W

ClientSampleId :

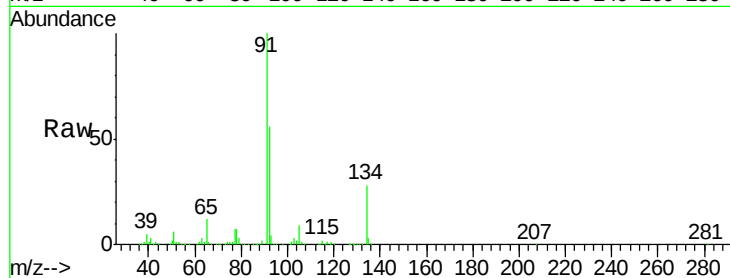
Tot Ion: 91 Resp: 234748

Ion Ratio Lower Upper

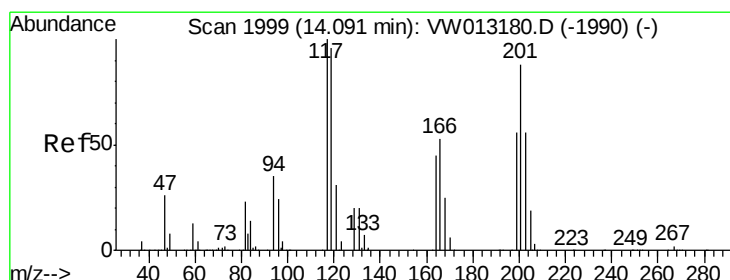
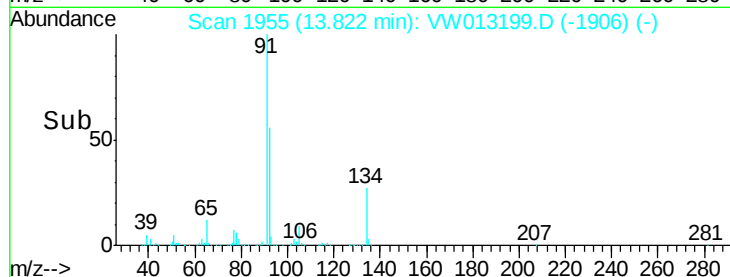
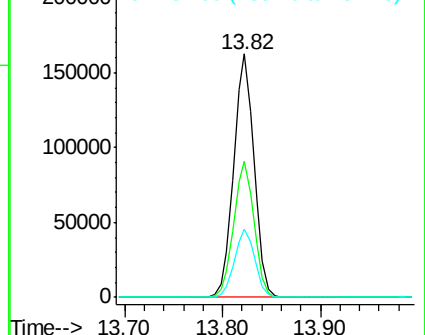
91 100

92 55.9 27.6 82.8

134 27.8 13.7 41.1



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: 19.802 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013199.D

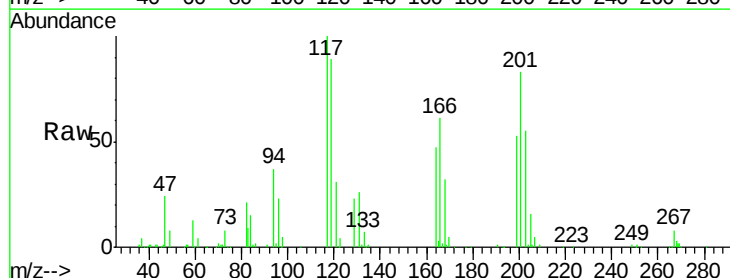
Acq: 20 Sep 2019 23:10

Tgt Ion: 117 Resp: 43359

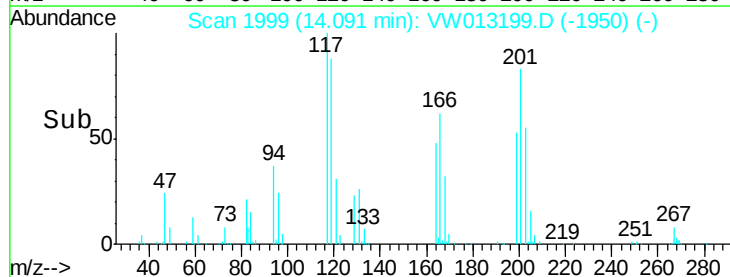
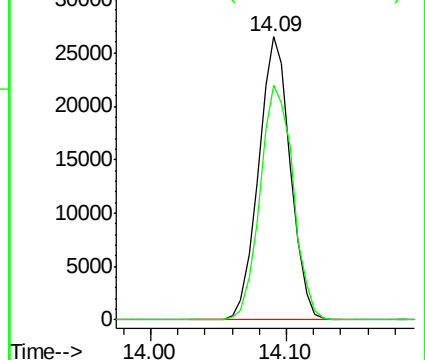
Ion Ratio Lower Upper

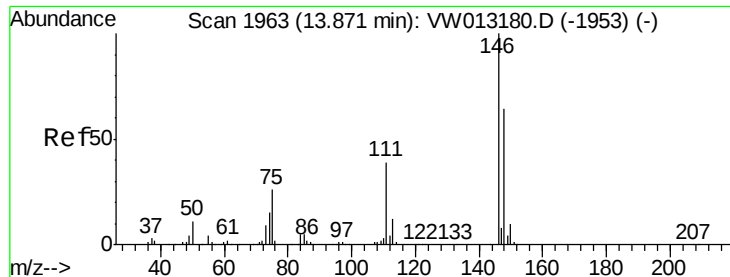
117 100

201 86.6 44.5 133.5



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





#91

1,2-Dichlorobenzene

Concen: 20.044 ug/l

RT: 13.87 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VW013199.D

Acq: 20 Sep 2019 23:10

Instrument :

MSVOA_W

ClientSampleId :

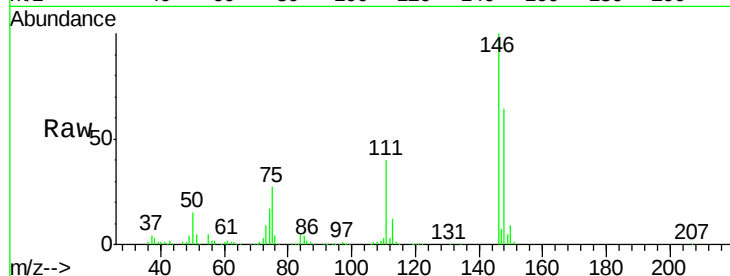
Tot Ion:146 Resp: 109256

Ion Ratio Lower Upper

146 100

111 39.6 20.1 60.3

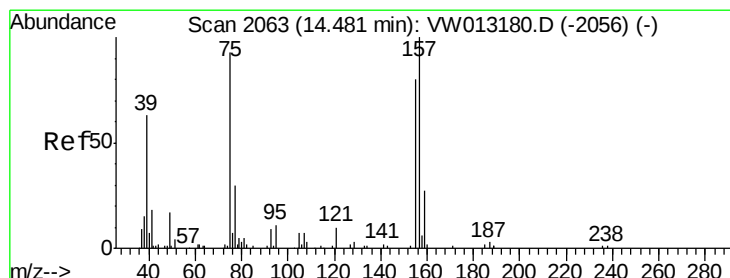
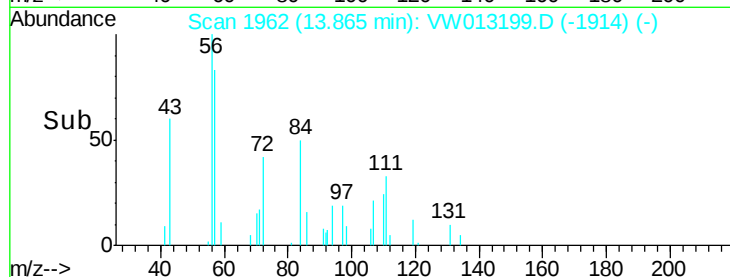
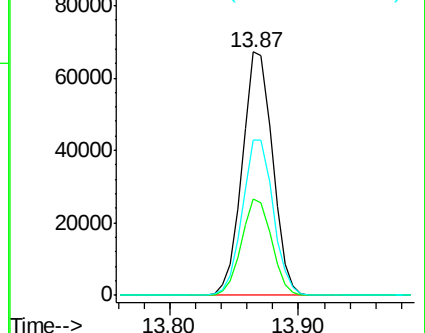
148 64.9 32.0 96.0



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: 25.671 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW013199.D

Acq: 20 Sep 2019 23:10

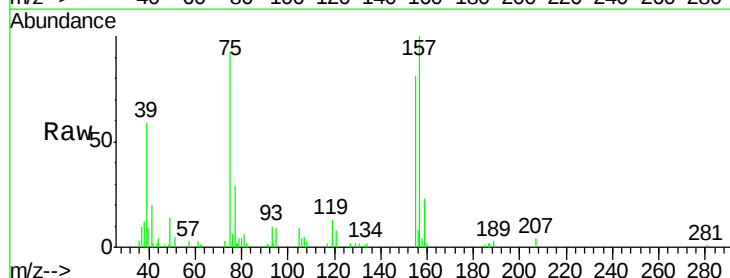
Tgt Ion: 75 Resp: 9072

Ion Ratio Lower Upper

75 100

155 91.9 46.1 138.3

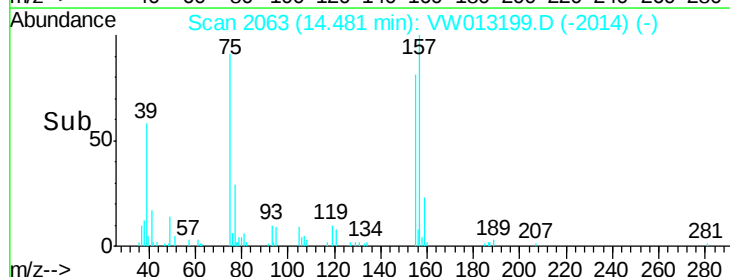
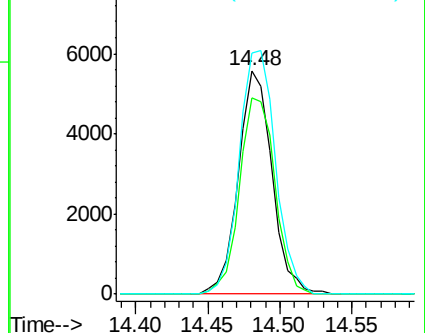
157 116.7 60.4 181.2

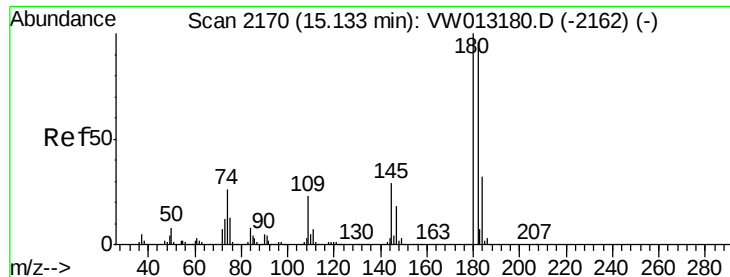


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

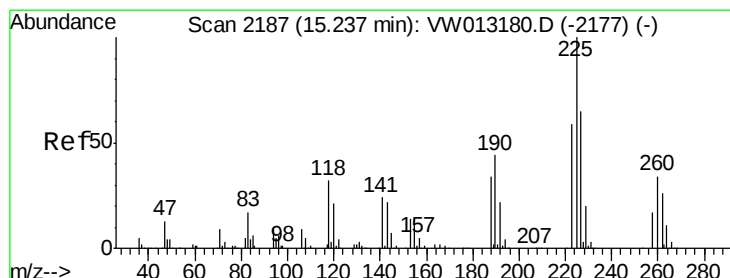
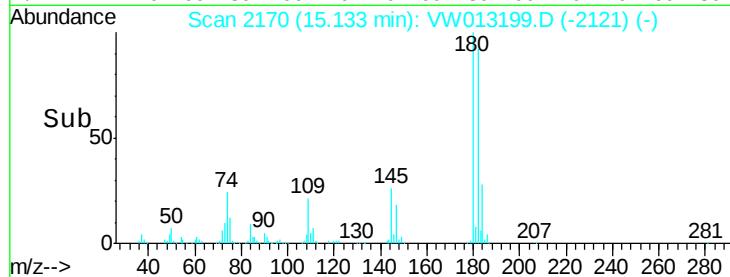
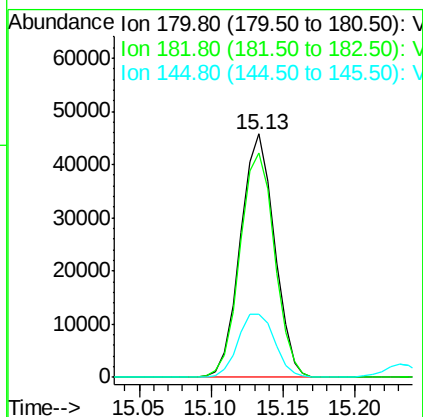
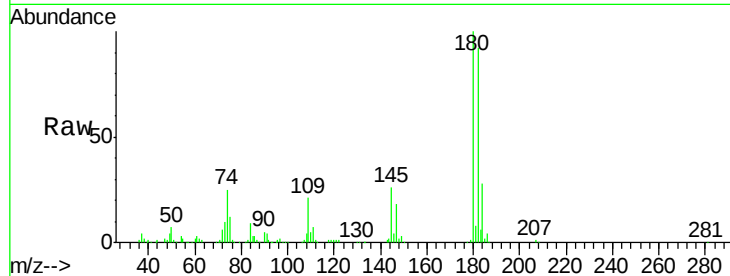




#93
 1,2,4-Trichlorobenzene
 Concen: 19.245 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

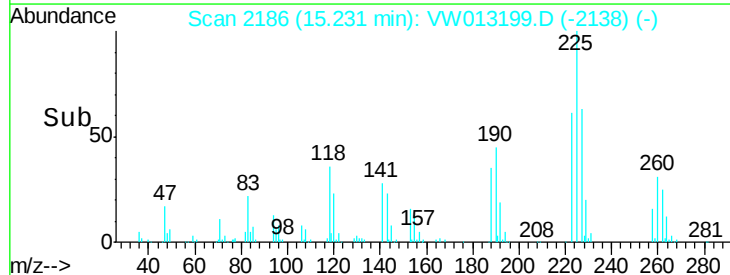
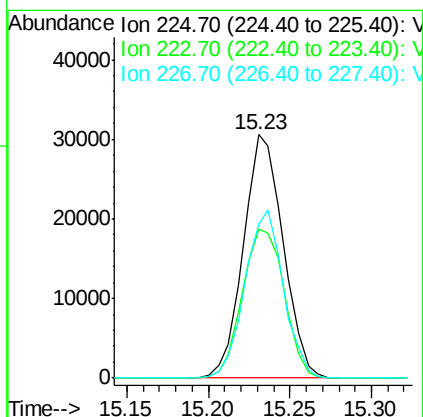
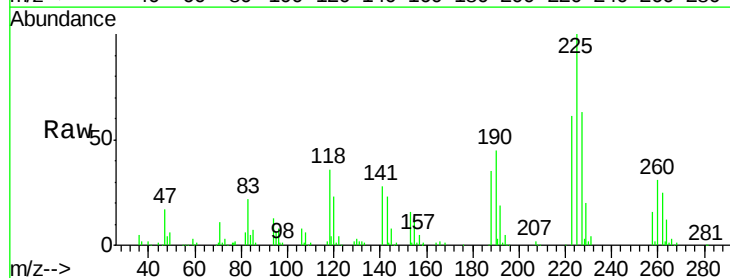
Instrument :
 MSVOA_W
 ClientSampleId :

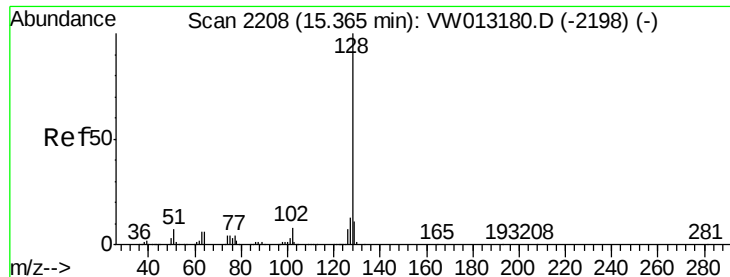
Tot Ion:180 Resp: 75170
 Ion Ratio Lower Upper
 180 100
 182 93.8 47.3 142.0
 145 28.1 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 19.366 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Tgt Ion:225 Resp: 51749
 Ion Ratio Lower Upper
 225 100
 223 64.4 30.6 91.8
 227 67.0 31.9 95.9

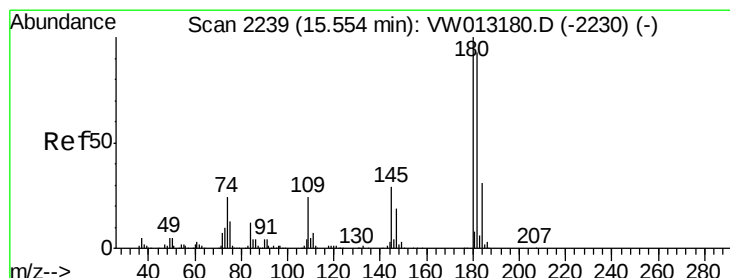
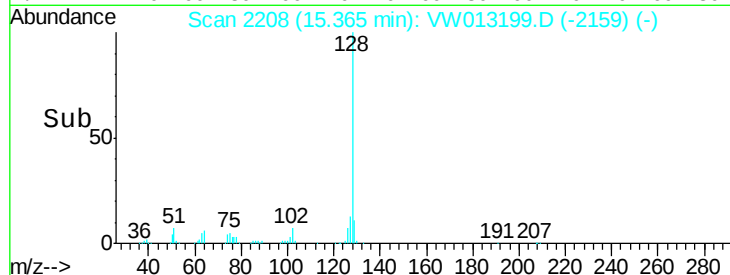
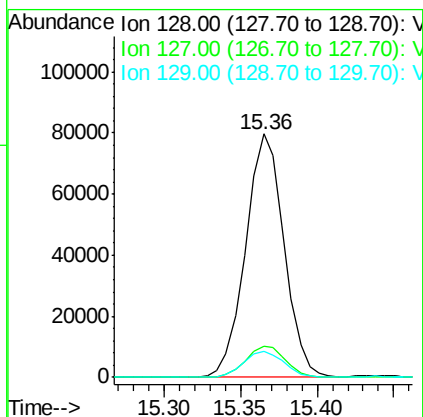
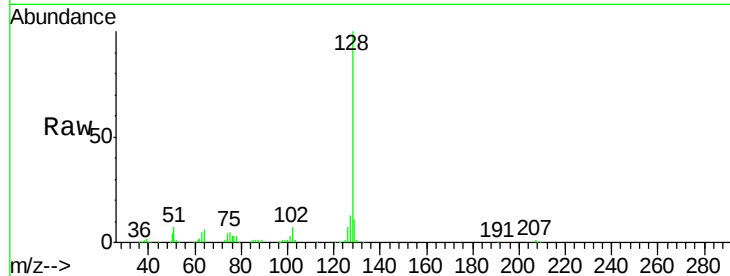




#95
Naphthalene
Concen: 21.778 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013199.D
Acq: 20 Sep 2019 23:10

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:128 Resp: 139120
Ion Ratio Lower Upper
128 100
127 13.5 10.6 15.8
129 11.2 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.451 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013199.D
Acq: 20 Sep 2019 23:10

Tgt Ion:180 Resp: 65645
Ion Ratio Lower Upper
180 100
182 98.4 47.9 143.7
145 30.1 15.0 45.0

