

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013187.D
 Acq On : 20 Sep 2019 17:33
 Operator : SY/VA
 Sample : VW0920SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 21 04:52:54 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	302799	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	431849	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	373568	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	194718	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	131361	53.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.30%	
35) Dibromofluoromethane	7.88	113	123860	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	
50) Toluene-d8	10.32	98	518332	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
62) 4-Bromofluorobenzene	12.62	95	180184	53.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	37516	21.479	ug/l	95
3) Chloromethane	2.21	50	49322	21.967	ug/l	98
4) Vinyl Chloride	2.35	62	59098	20.416	ug/l	98
5) Bromomethane	2.74	94	38289	20.873	ug/l	93
6) Chloroethane	2.90	64	32974	19.326	ug/l	96
7) Trichlorofluoromethane	3.25	101	32304	19.354	ug/l	99
8) Diethyl Ether	3.67	74	28778	20.185	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	55451	20.406	ug/l	96
10) Methyl Iodide	4.26	142	76755	18.218	ug/l	100
11) Tert butyl alcohol	5.13	59	25928	141.353	ug/l #	91
12) 1,1-Dichloroethene	4.03	96	56537	20.092	ug/l	97
13) Acrolein	3.89	56	18392	129.284	ug/l	96
14) Allyl chloride	4.66	41	84298	18.823	ug/l	99
15) Acrylonitrile	5.37	53	75704	123.025	ug/l	98
16) Acetone	4.11	43	67315	120.787	ug/l	99
17) Carbon Disulfide	4.38	76	156432	19.233	ug/l	100
18) Methyl Acetate	4.67	43	39081	24.947	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	88546	20.531	ug/l	94
20) Methylene Chloride	4.91	84	61371	19.776	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	59113	19.436	ug/l	98
22) Diisopropyl ether	6.31	45	168379	19.772	ug/l	97
23) Vinyl Acetate	6.25	43	543340	107.545	ug/l	97
24) 1,1-Dichloroethane	6.21	63	98834	19.233	ug/l	99
25) 2-Butanone	7.16	43	105797	126.460	ug/l	99
26) 2,2-Dichloropropane	7.16	77	67554	19.969	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	61291	19.096	ug/l	96
28) Bromochloromethane	7.51	49	36567	18.540	ug/l #	99
29) Tetrahydrofuran	7.52	42	66164	128.959	ug/l	99
30) Chloroform	7.67	83	94413	18.766	ug/l	96
31) Cyclohexane	7.95	56	106453	19.873	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	78926	19.369	ug/l	100
36) 1,1-Dichloropropene	8.08	75	83423	19.945	ug/l	99
37) Ethyl Acetate	7.25	43	44471	25.016	ug/l	100
38) Carbon Tetrachloride	8.07	117	73477	19.596	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	106842	19.876	ug/l	95
40) Benzene	8.32	78	231074	19.806	ug/l	97
41) Methacrylonitrile	7.48	41	26657	25.125	ug/l #	92
42) 1,2-Dichloroethane	8.40	62	64744	20.643	ug/l	99
43) Isopropyl Acetate	8.42	43	78749	23.113	ug/l	97
44) Trichloroethene	9.09	130	64440	19.686	ug/l	94
45) 1,2-Dichloropropane	9.37	63	54899	19.274	ug/l	97
46) Dibromomethane	9.46	93	28577	20.665	ug/l	97
47) Bromodichloromethane	9.64	83	66837	18.994	ug/l	97
48) Methyl methacrylate	9.43	41	37971	23.701	ug/l	98
49) 1,4-Dioxane	9.45	88	12109	583.339	ug/l #	85
51) 4-Methyl-2-Pentanone	10.21	43	215017	125.885	ug/l	99
52) Toluene	10.38	92	148234	19.825	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	72657	20.098	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	85809	19.521	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	43364	20.979	ug/l	98
56) Ethyl methacrylate	10.65	69	61366	22.685	ug/l	98
57) 1,3-Dichloropropane	10.93	76	75232	20.857	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	141787	113.220	ug/l	100
59) 2-Hexanone	10.96	43	151987	129.336	ug/l	99
60) Dibromochloromethane	11.13	129	47481	20.230	ug/l	100
61) 1,2-Dibromoethane	11.23	107	42487	21.619	ug/l	99
64) Tetrachloroethene	10.86	164	56094	19.790	ug/l	93
65) Chlorobenzene	11.66	112	152873	19.597	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	52392	19.659	ug/l	100
67) Ethyl Benzene	11.73	91	280175	19.822	ug/l	99
68) m/p-Xylenes	11.84	106	213355	39.613	ug/l	98
69) o-Xylene	12.16	106	98306	19.632	ug/l	100
70) Styrene	12.18	104	169388	19.703	ug/l	98
71) Bromoform	12.35	173	29419	20.895	ug/l #	99
73) Isopropylbenzene	12.46	105	280448	19.497	ug/l	100
74) N-amyl acetate	12.27	43	72776	22.801	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	53467	22.226	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	67910	39.491	ug/l #	100
77) Bromobenzene	12.74	156	65530	19.225	ug/l	95
78) n-propylbenzene	12.80	91	329362	19.562	ug/l	100
79) 2-Chlorotoluene	12.89	91	184057	19.513	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	237434	19.637	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	16857	21.997	ug/l	97
82) 4-Chlorotoluene	12.99	91	193368	19.440	ug/l	100
83) tert-Butylbenzene	13.21	119	207985	19.598	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	235228	19.550	ug/l	100
85) sec-Butylbenzene	13.38	105	290834	19.877	ug/l	99
86) p-Isopropyltoluene	13.50	119	267857	19.738	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	127087	19.373	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	127304	19.787	ug/l	99
89) n-Butylbenzene	13.82	91	245717	19.829	ug/l	99
90) Hexachloroethane	14.09	117	43242	18.968	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	113897	20.069	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	9299	25.272	ug/l	96

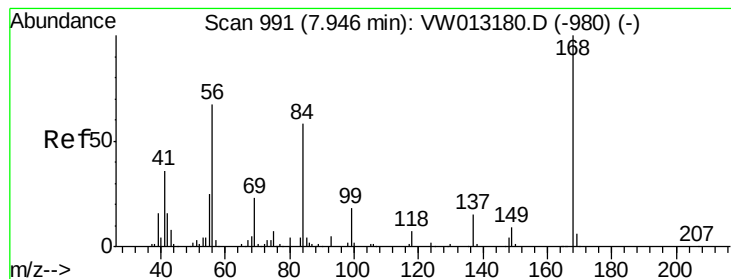
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	81608	20.067	ug/l	99
94) Hexachlorobutadiene	15.24	225	54262	19.503	ug/l	98
95) Naphthalene	15.36	128	150976	22.699	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	71730	20.413	ug/l	99

(#) = 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: VW013187.D

Acq: 20 Sep 2019 17:33

Instrument :

MSVOA_W

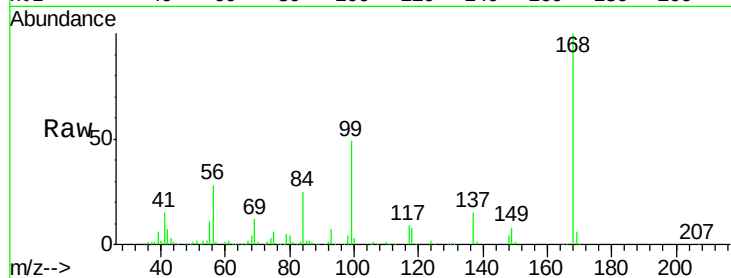
ClientSampleId :

Tot Ion:168 Resp: 302799

Ion Ratio Lower Upper

168 100

99 48.8 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

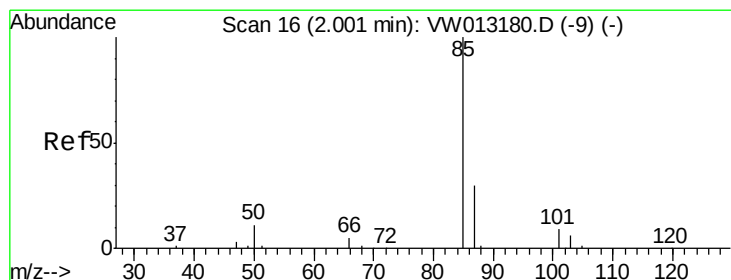
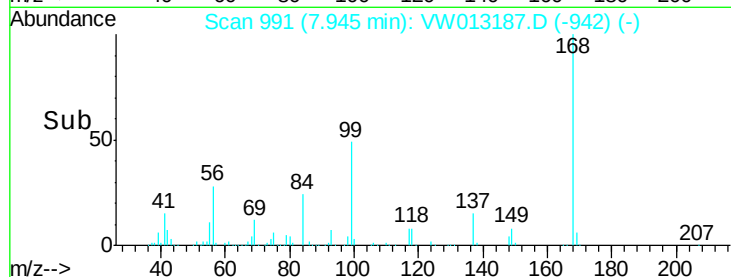
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 21.479 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013187.D

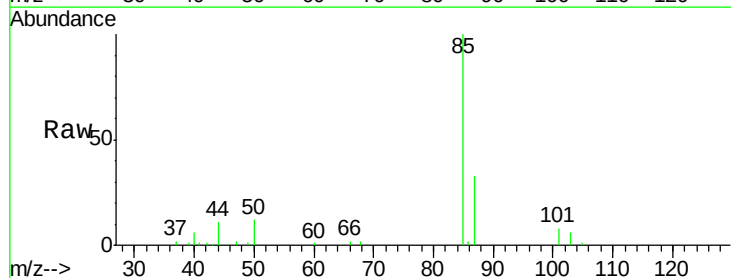
Acq: 20 Sep 2019 17:33

Tgt Ion: 85 Resp: 37516

Ion Ratio Lower Upper

85 100

87 33.2 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

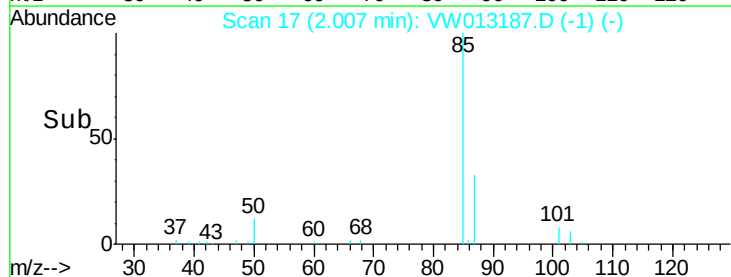
15000

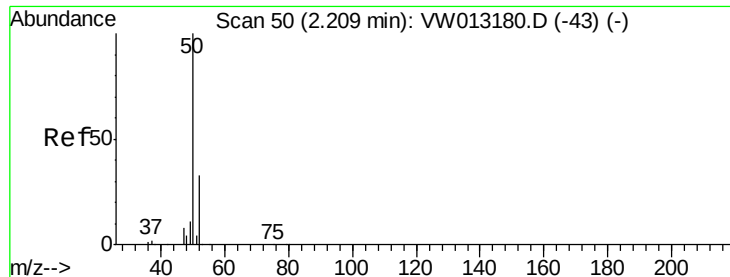
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 21.967 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Instrument :

MSVOA_W

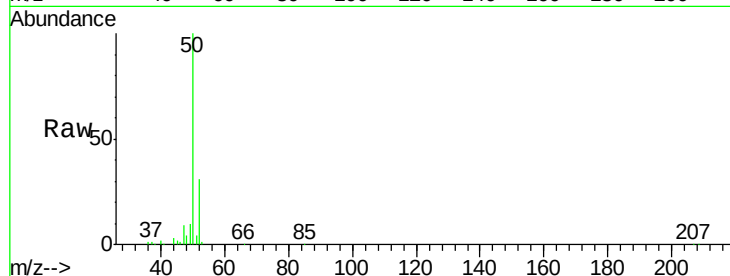
ClientSampleId :

Tot Ion: 50 Resp: 49322

Ion Ratio Lower Upper

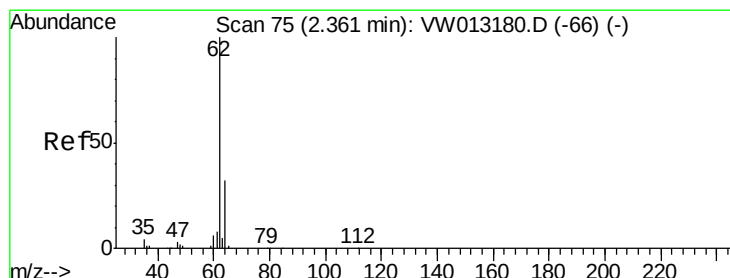
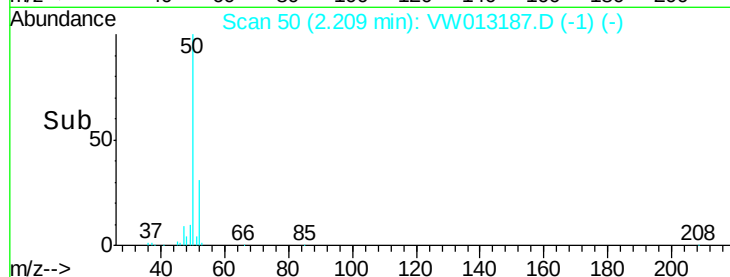
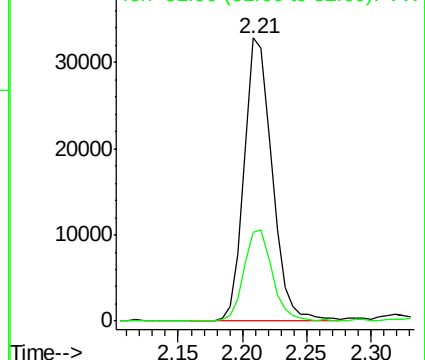
50 100

52 31.3 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 20.416 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW013187.D

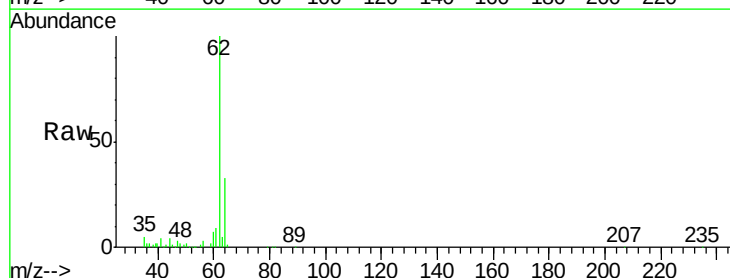
Acq: 20 Sep 2019 17:33

Tgt Ion: 62 Resp: 59098

Ion Ratio Lower Upper

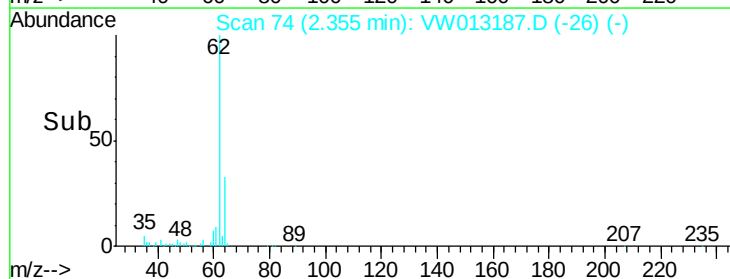
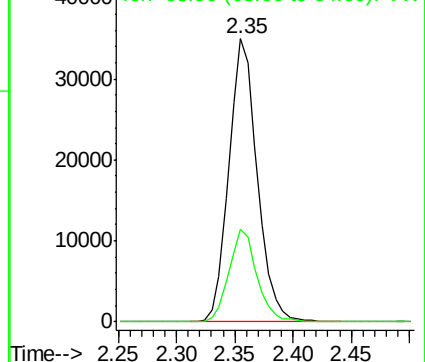
62 100

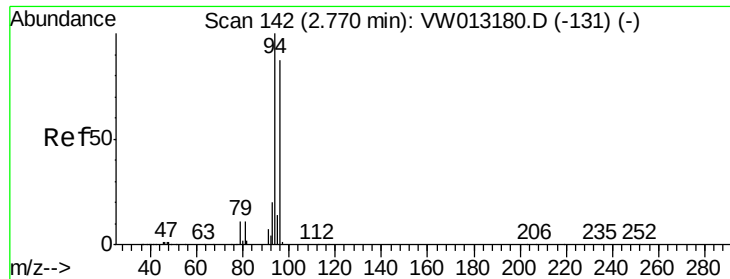
64 32.9 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 20.873 ug/l

RT: 2.74 min Scan# 137

Delta R.T. -0.03 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Instrument :

MSVOA_W

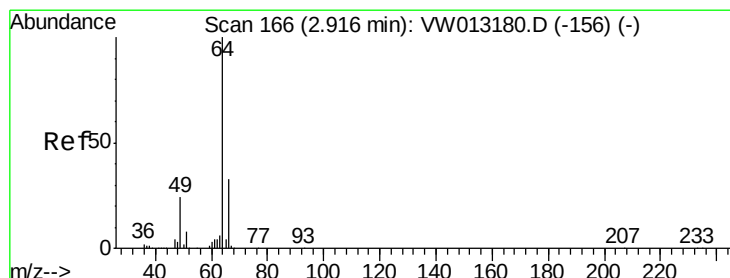
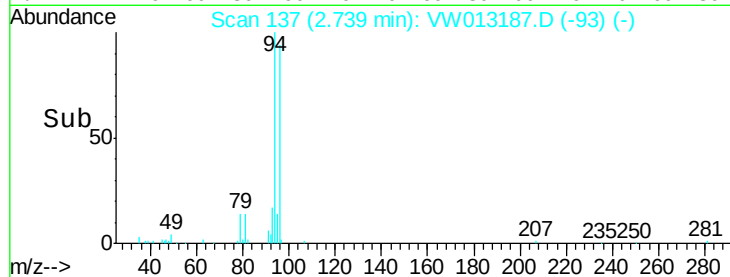
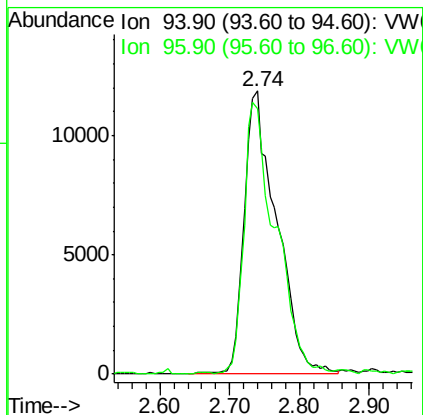
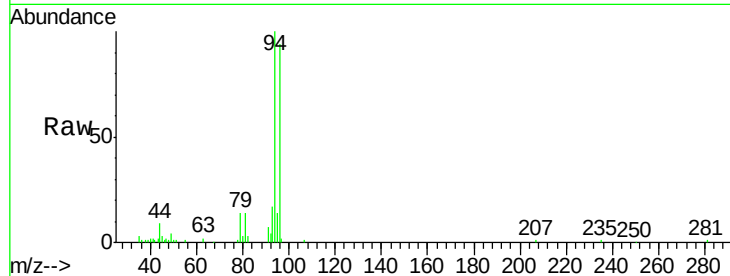
ClientSampled :

Tot Ion: 94 Resp: 38289

Ion Ratio Lower Upper

94 100

96 93.6 69.7 104.5



#6

Chloroethane

Concen: 19.326 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW013187.D

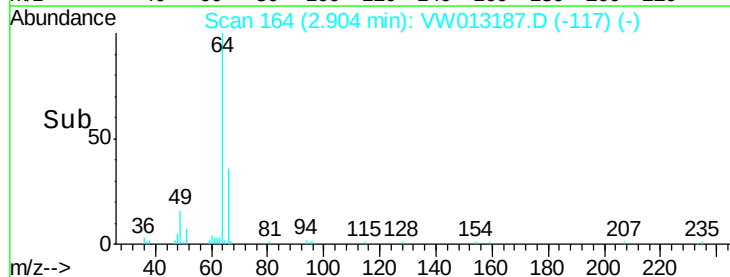
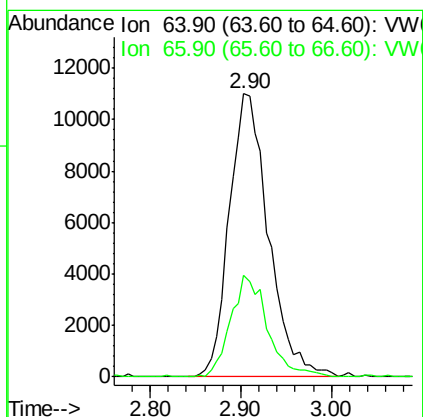
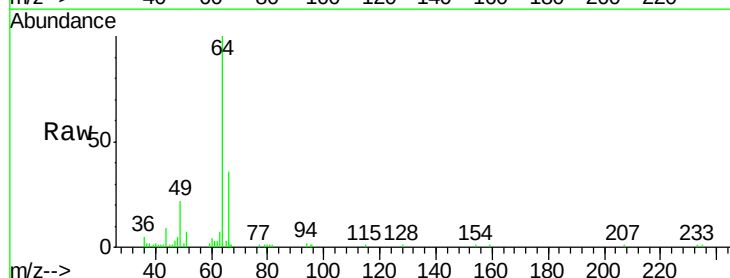
Acq: 20 Sep 2019 17:33

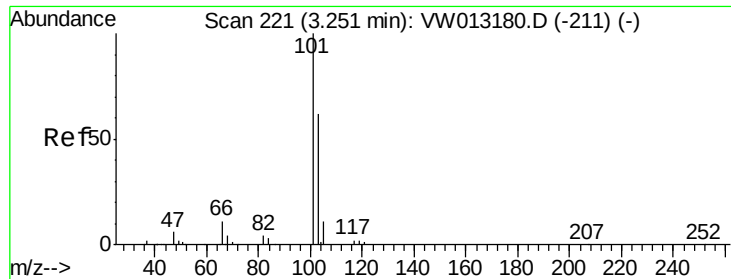
Tgt Ion: 64 Resp: 32974

Ion Ratio Lower Upper

64 100

66 35.7 26.6 39.8



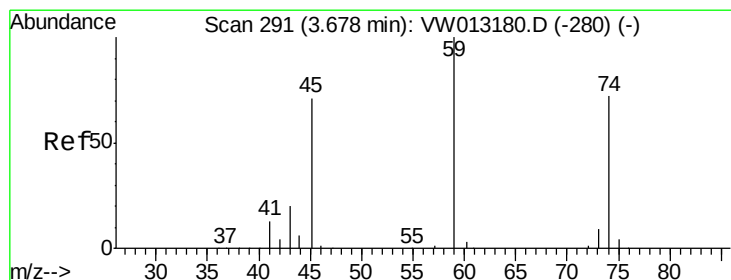
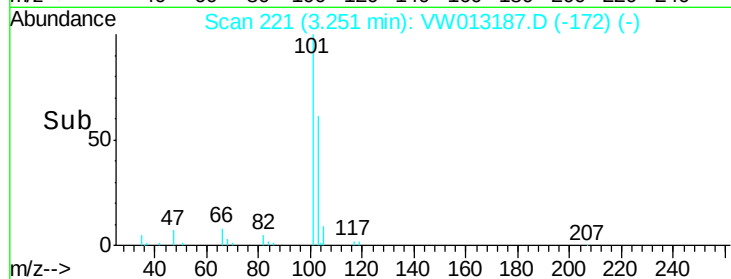
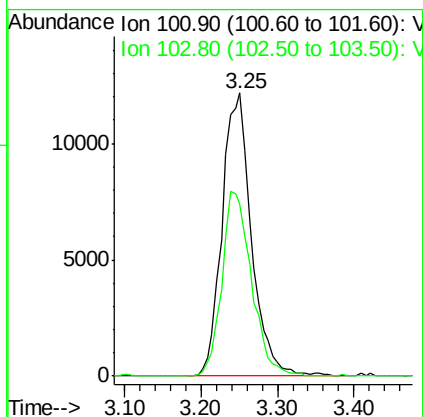
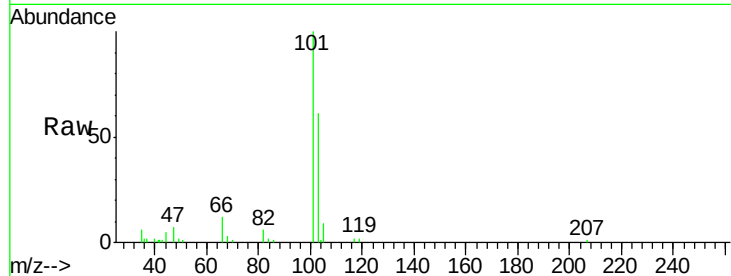


#7

Trichlorofluoromethane
Concen: 19.354 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Instrument :
MSVOA_W
ClientSampled :

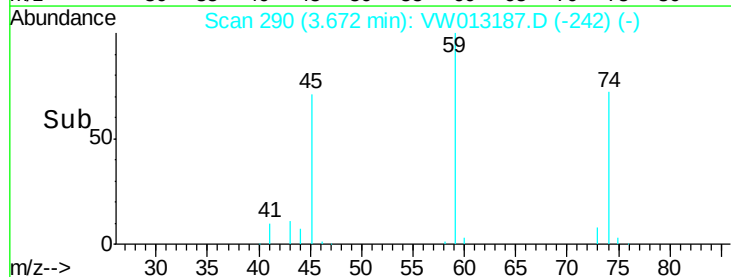
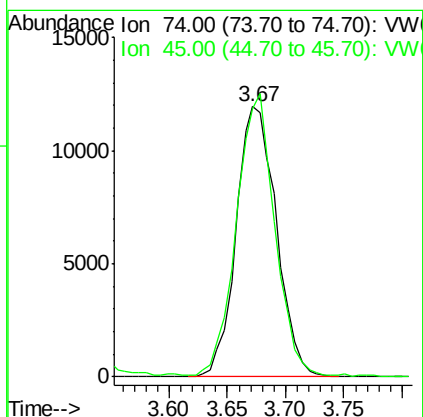
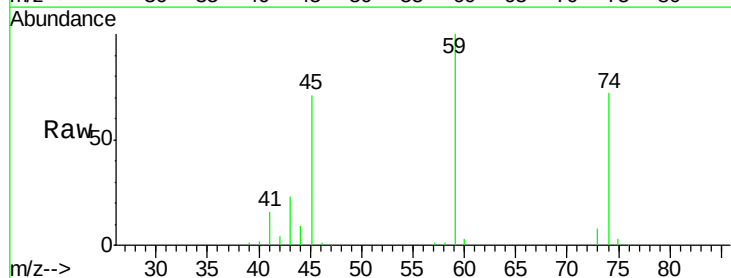
Tot Ion:101 Resp: 32304
Ion Ratio Lower Upper
101 100
103 61.0 49.7 74.5

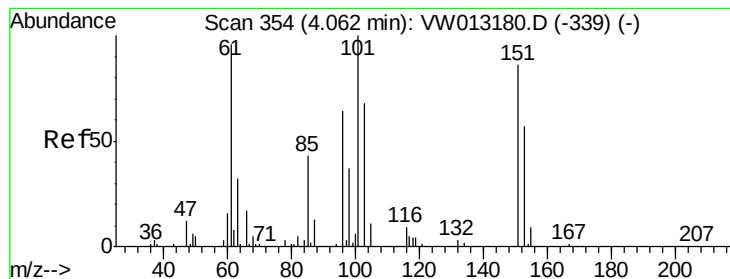


#8

Diethyl Ether
Concen: 20.185 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Tgt Ion: 74 Resp: 28778
Ion Ratio Lower Upper
74 100
45 99.6 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.406 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Instrument :

MSVOA_W

ClientSampleId :

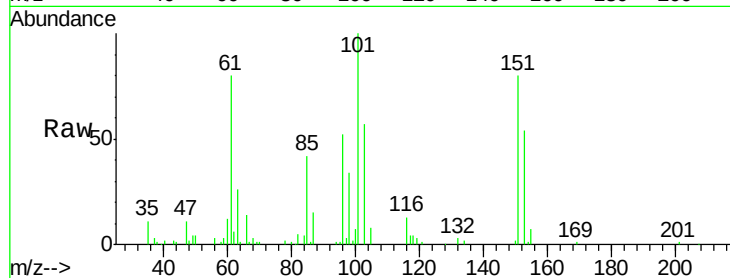
Tot Ion:101 Resp: 55451

Ion Ratio Lower Upper

101 100

85 39.6 33.4 50.0

151 80.1 66.9 100.3

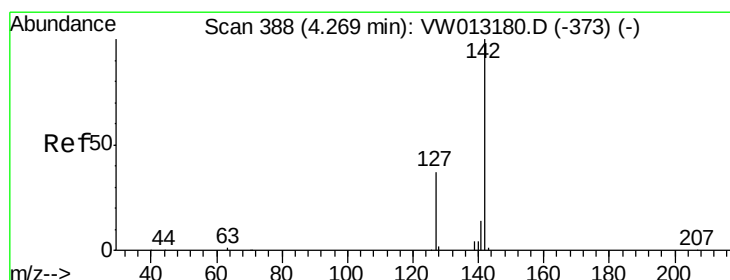
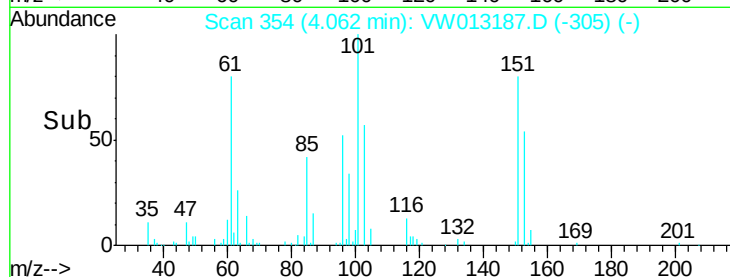
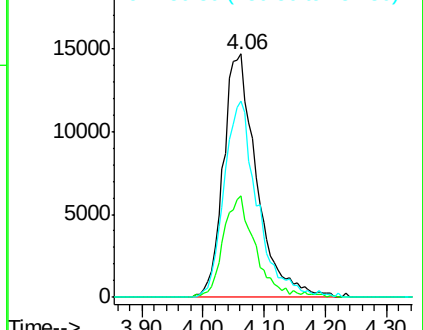


Abundance

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: 18.218 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

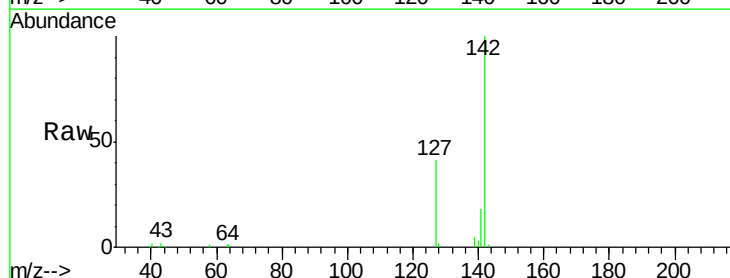
Tgt Ion:142 Resp: 76755

Ion Ratio Lower Upper

142 100

127 38.4 30.9 46.3

141 14.6 11.7 17.5

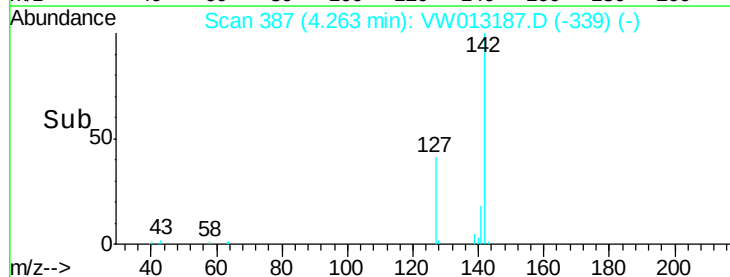
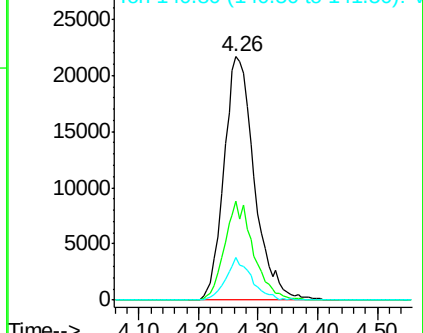


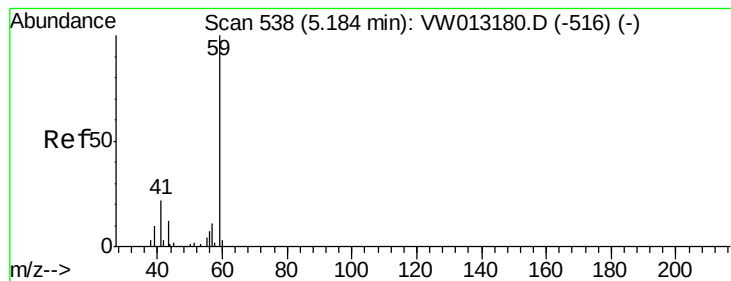
Abundance

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



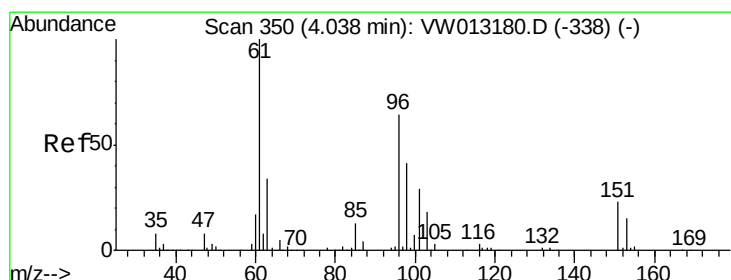
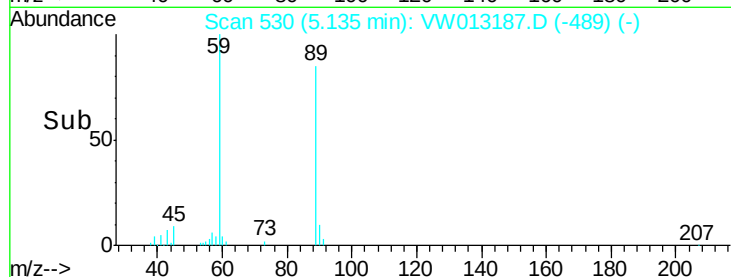
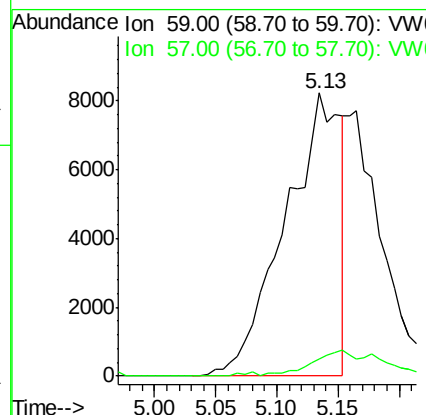
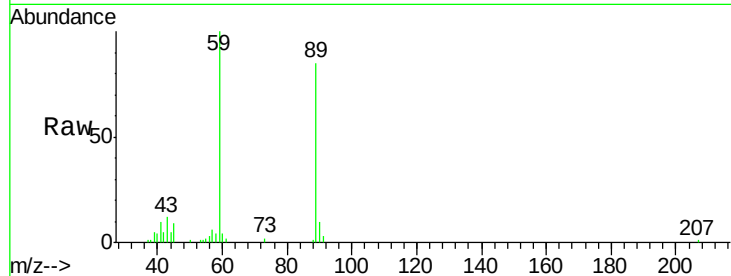


#11

Tert butyl alcohol
 Concen: 141.353 ug/l
 RT: 5.13 min Scan# 530
 Delta R.T. -0.05 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Instrument :
 MSVOA_W
 ClientSampleId :

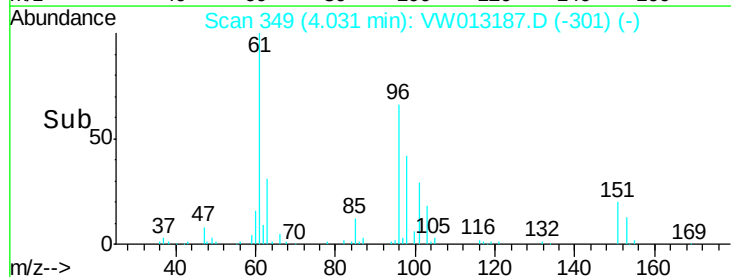
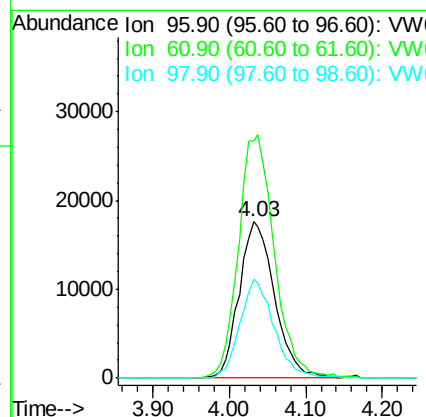
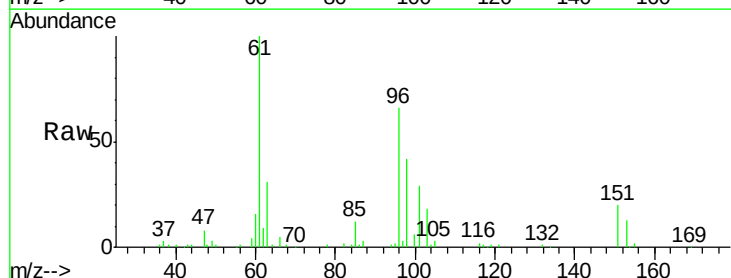
Tot Ion: 59 Resp: 25928
 Ion Ratio Lower Upper
 59 100
 57 6.8 8.2 12.2#

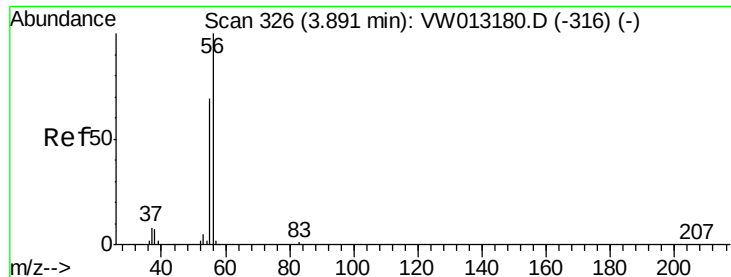


#12

1,1-Dichloroethene
 Concen: 20.092 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion: 96 Resp: 56537
 Ion Ratio Lower Upper
 96 100
 61 151.8 125.1 187.7
 98 63.1 50.8 76.2





#13

Acrolein

Concen: 129.284 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Instrument :

MSVOA_W

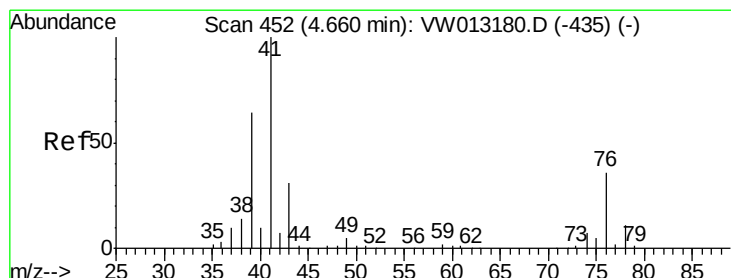
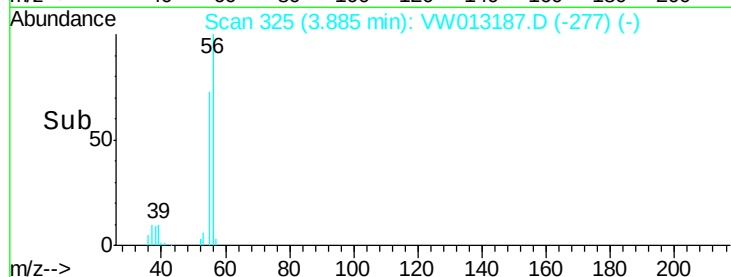
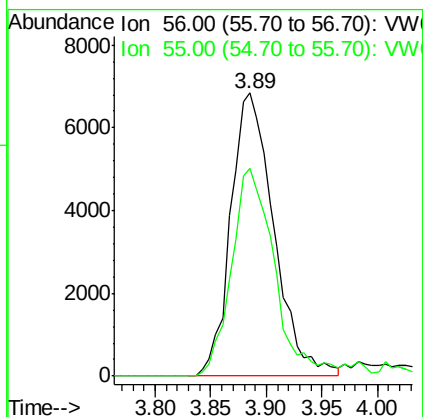
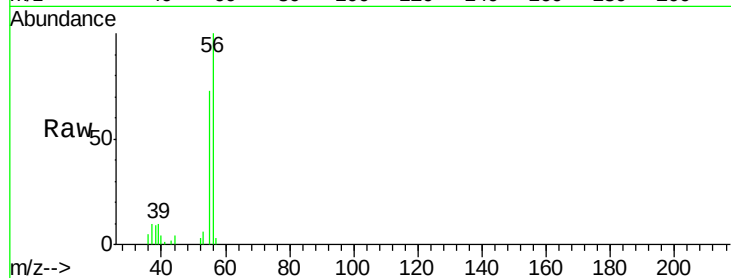
ClientSampleId :

Tot Ion: 56 Resp: 18392

Ion Ratio Lower Upper

56 100

55 72.8 55.4 83.0



#14

Allyl chloride

Concen: 18.823 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

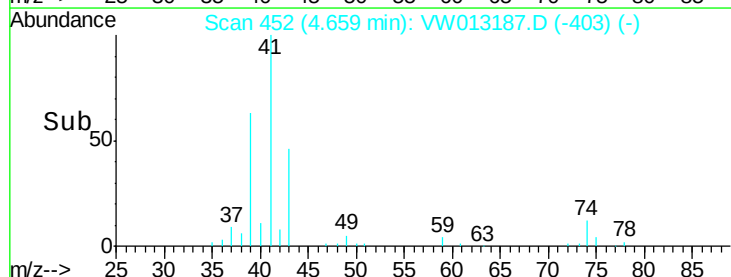
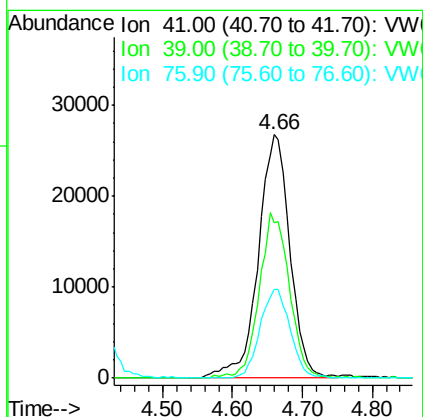
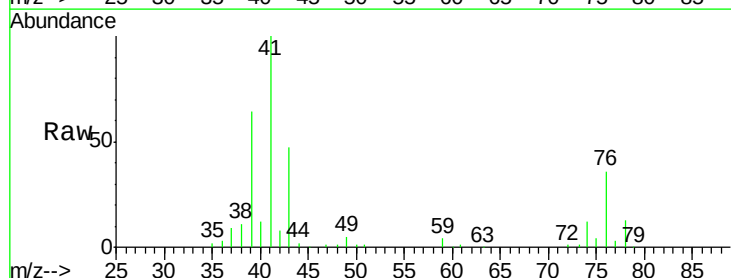
Tgt Ion: 41 Resp: 84298

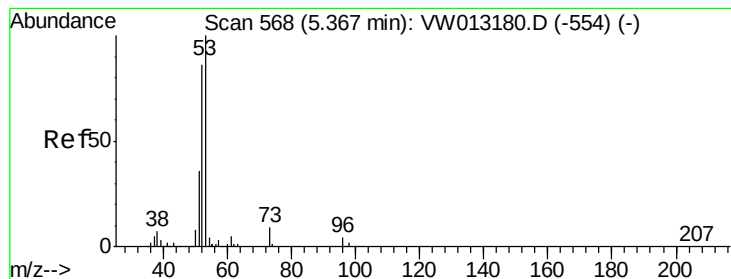
Ion Ratio Lower Upper

41 100

39 64.4 51.0 76.4

76 34.6 28.4 42.6





#15

Acrylonitrile

Concen: 123.025 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Instrument :

MSVOA_W

ClientSampleId :

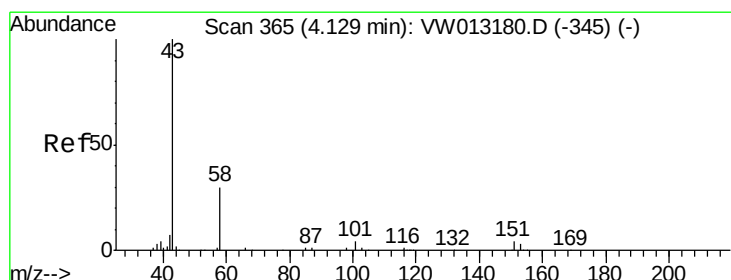
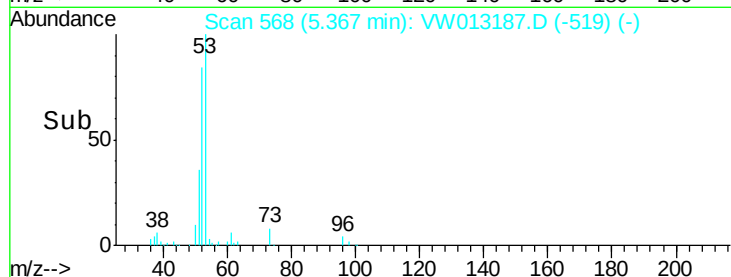
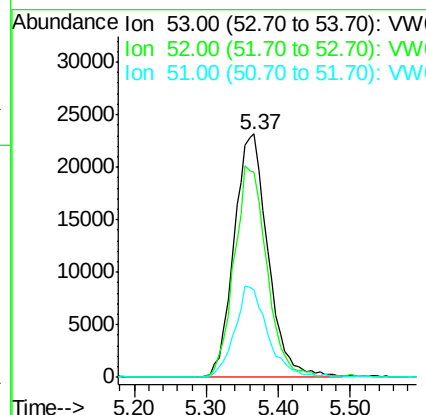
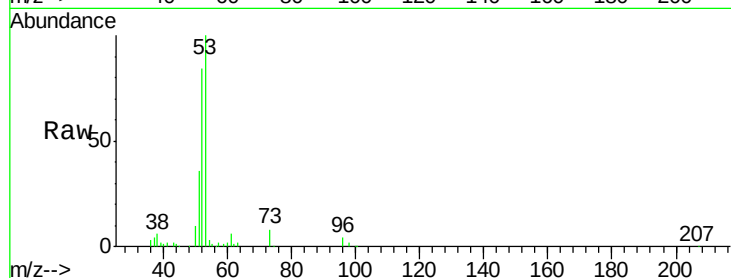
Tot Ion: 53 Resp: 75704

Ion Ratio Lower Upper

53 100

52 83.8 65.3 97.9

51 36.1 29.0 43.4



#16

Acetone

Concen: 120.787 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.02 min

Lab File: VW013187.D

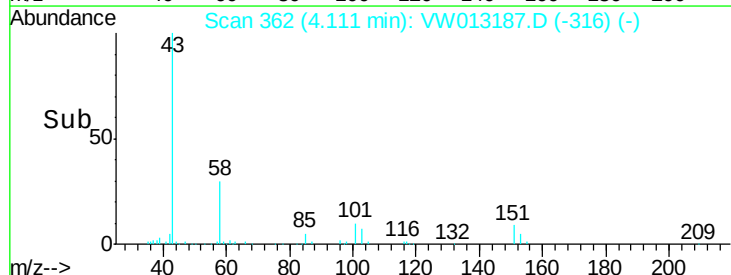
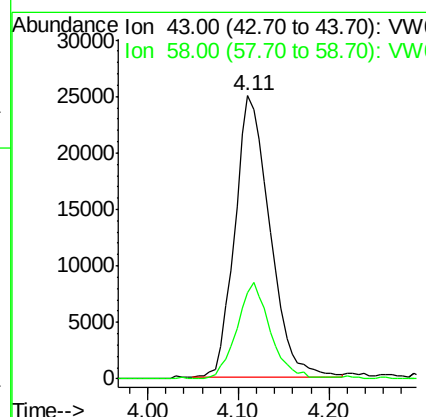
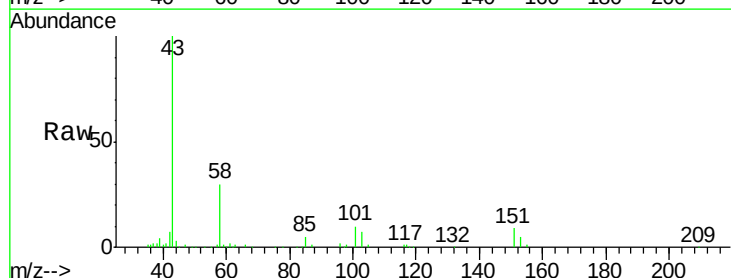
Acq: 20 Sep 2019 17:33

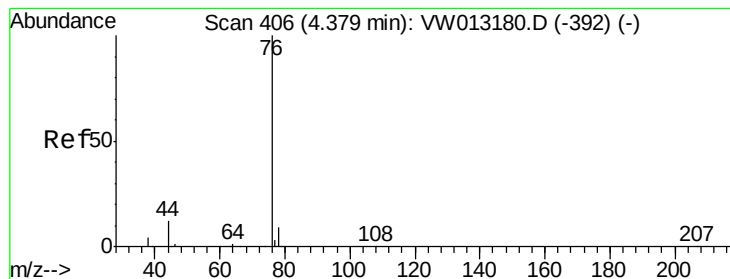
Tgt Ion: 43 Resp: 67315

Ion Ratio Lower Upper

43 100

58 30.5 24.1 36.1





#17

Carbon Disulfide

Concen: 19.233 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Instrument :

MSVOA_W

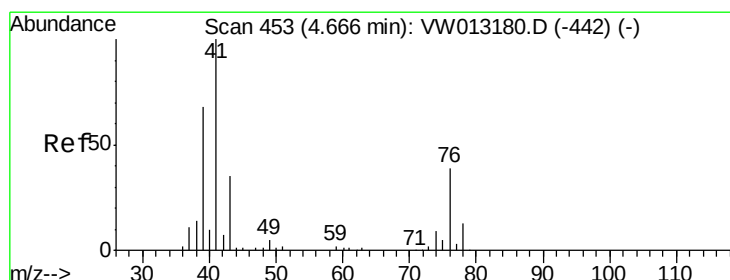
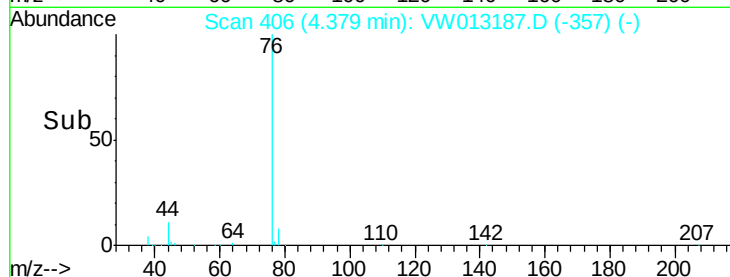
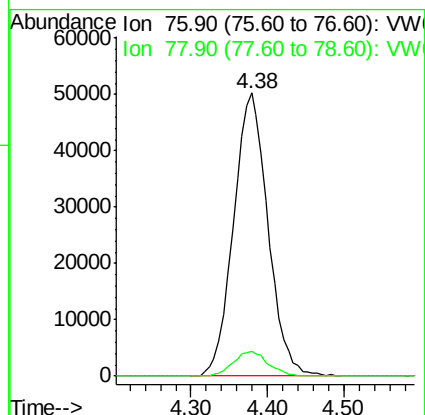
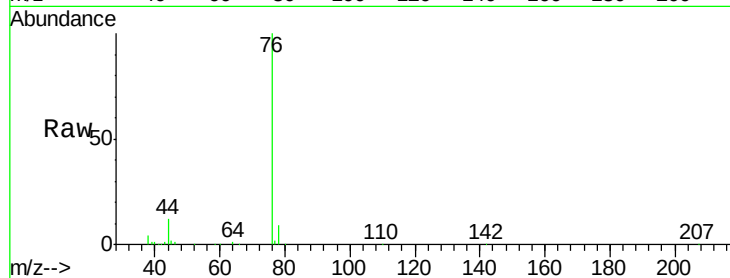
ClientSampleId :

Tot Ion: 76 Resp: 156432

Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.4



#18

Methyl Acetate

Concen: 24.947 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013187.D

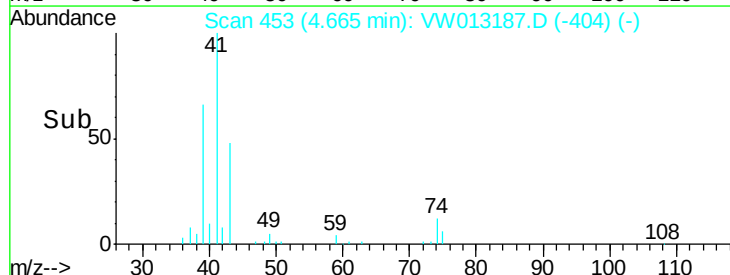
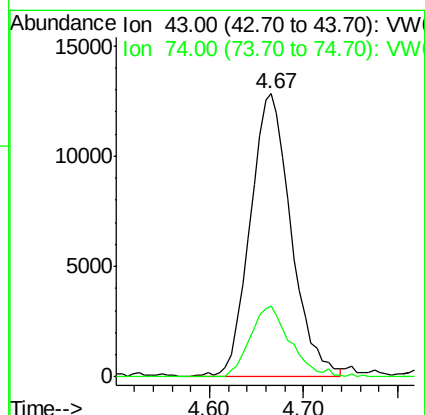
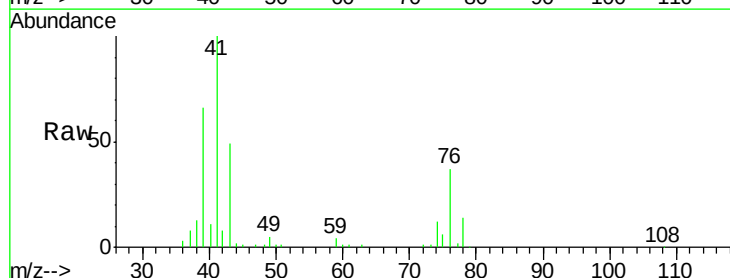
Acq: 20 Sep 2019 17:33

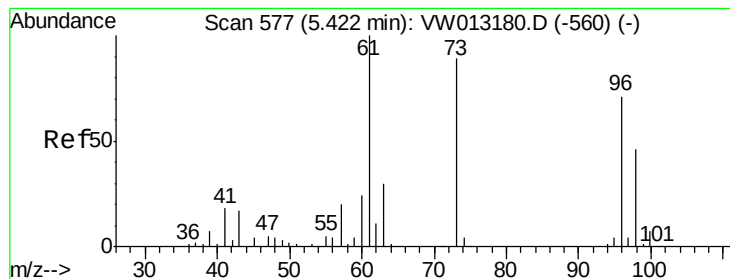
Tgt Ion: 43 Resp: 39081

Ion Ratio Lower Upper

43 100

74 24.4 19.3 28.9



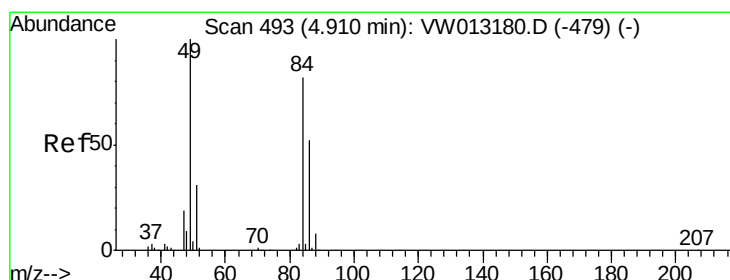
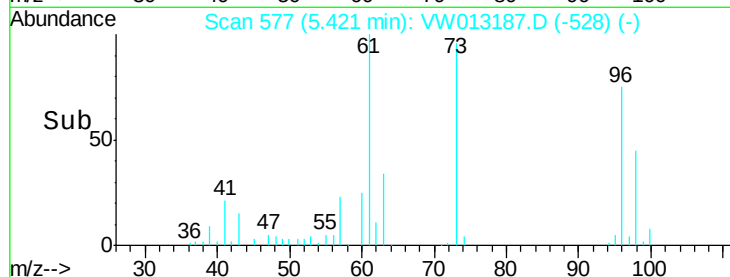
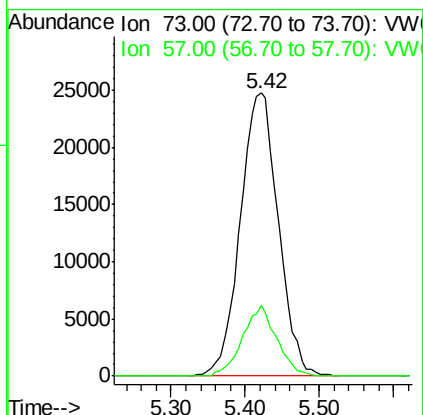
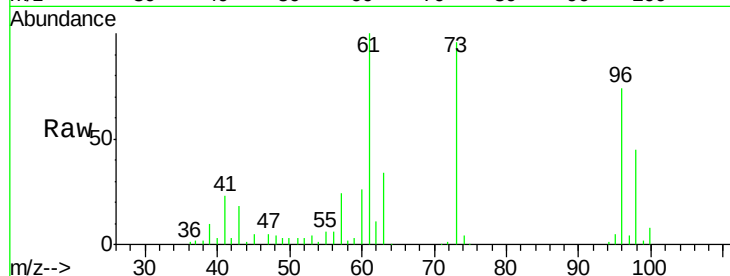


#19

Methyl tert-butyl Ether
 Concen: 20.531 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Instrument :
 MSVOA_W
 ClientSampled :

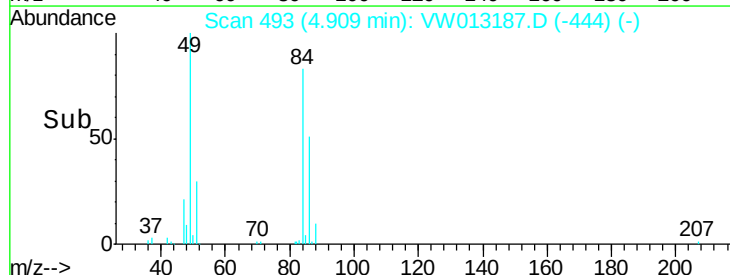
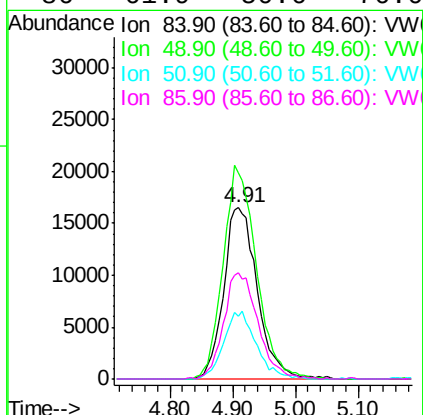
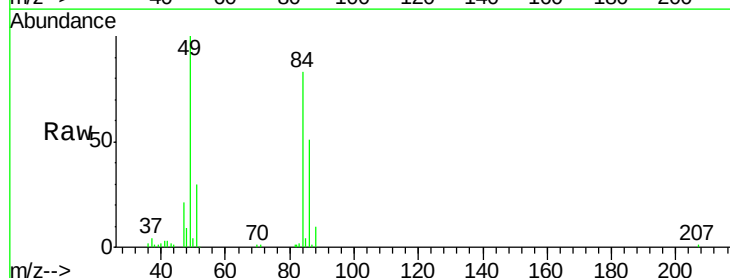
Tot Ion: 73 Resp: 88546
 Ion Ratio Lower Upper
 73 100
 57 25.0 17.6 26.4

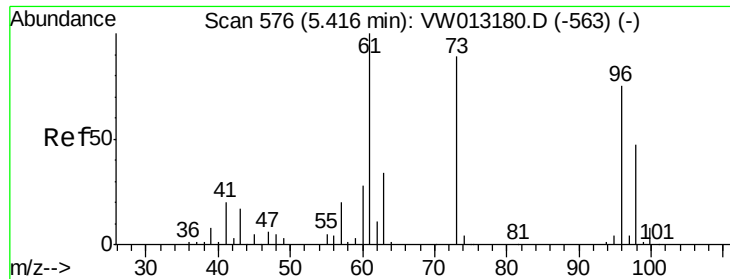


#20

Methylene Chloride
 Concen: 19.776 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion: 84 Resp: 61371
 Ion Ratio Lower Upper
 84 100
 49 120.2 97.6 146.4
 51 36.2 30.2 45.2
 86 61.9 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 19.436 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Instrument :
MSVOA_W
ClientSampleId :

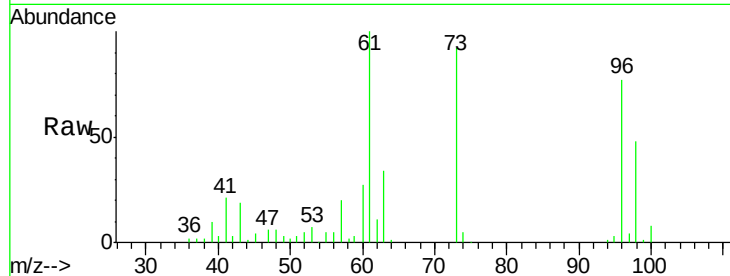
Tot Ion: 96 Resp: 59113

Ion Ratio Lower Upper

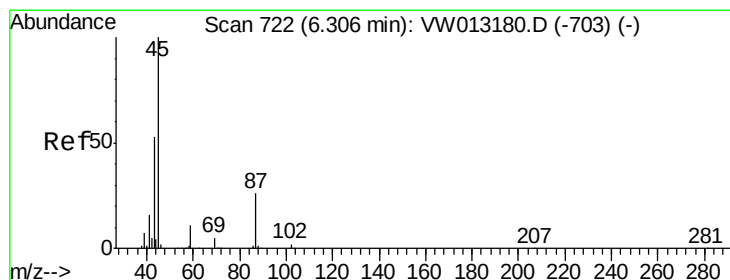
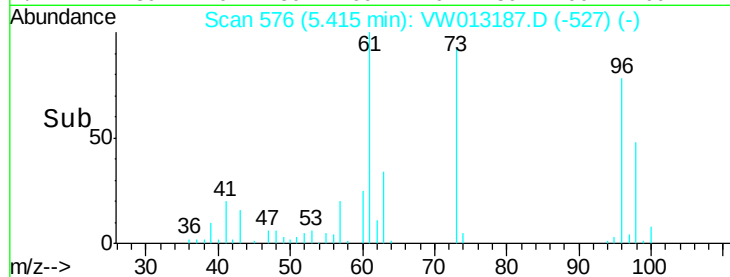
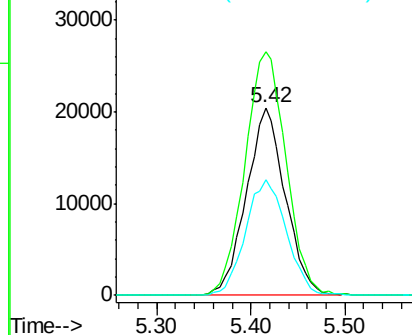
96 100

61 129.9 106.6 159.8

98 62.0 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: 19.772 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Tgt Ion: 45 Resp: 168379

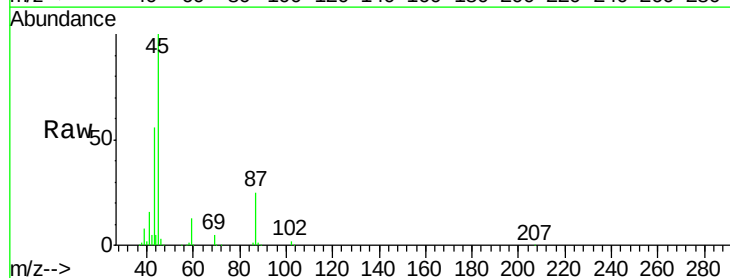
Ion Ratio Lower Upper

45 100

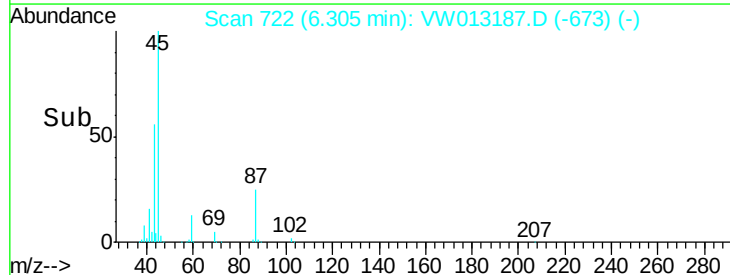
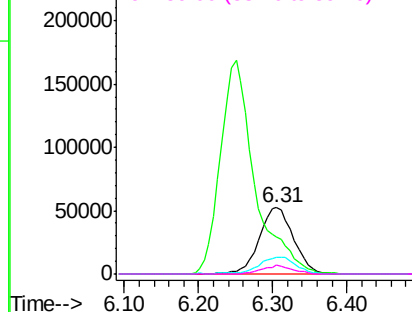
43 55.3 42.4 63.6

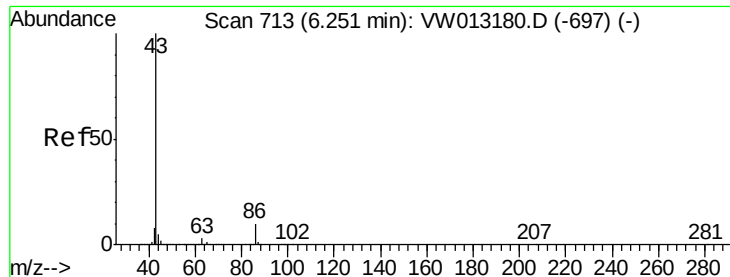
87 25.2 20.4 30.6

59 12.8 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

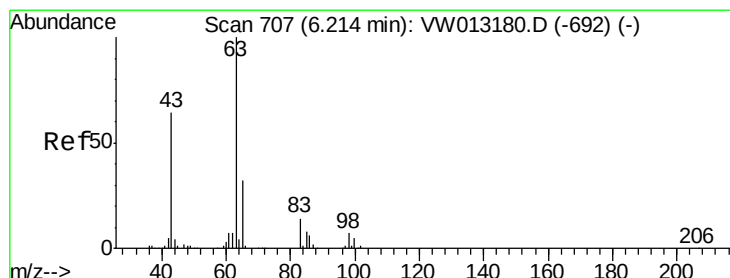
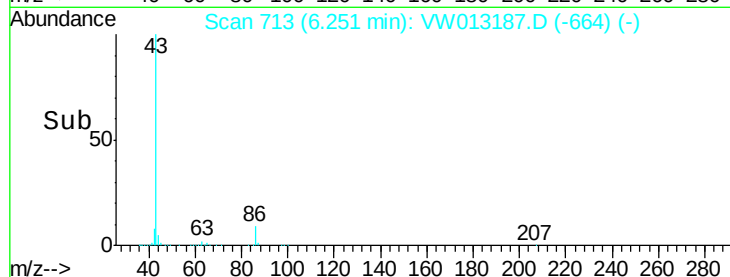
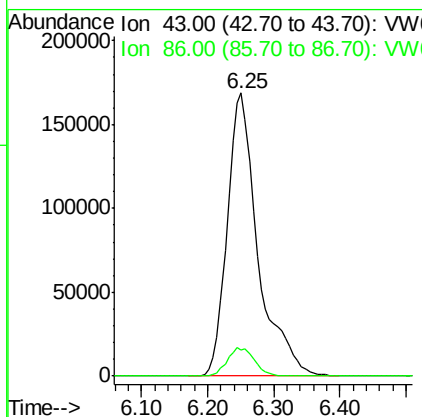
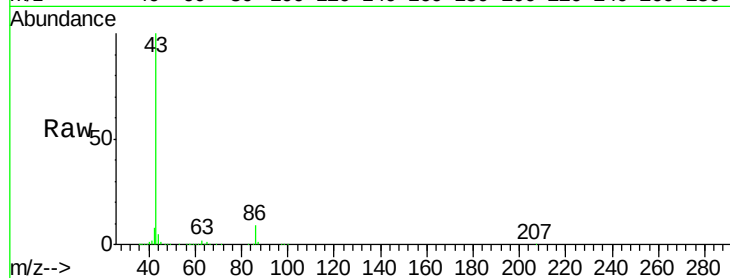




#23
 Vinyl Acetate
 Concen: 107.545 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

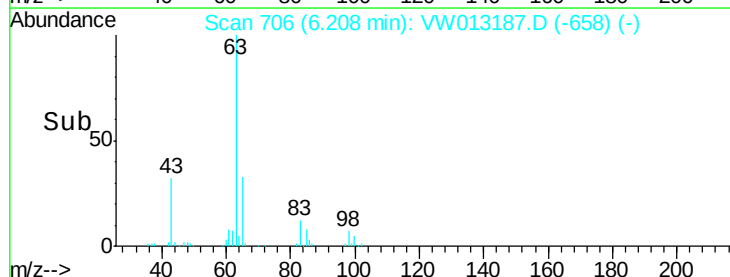
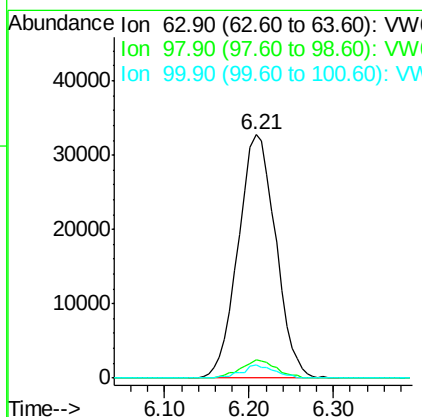
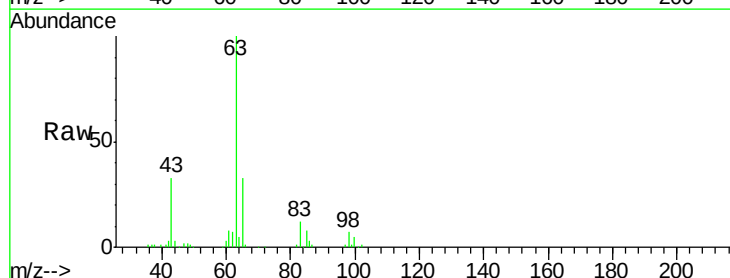
Instrument :
 MSVOA_W
 ClientSampleId :

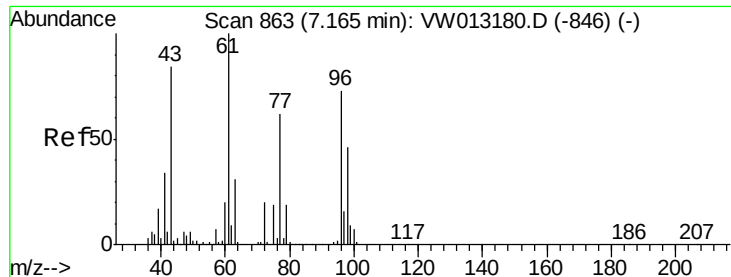
Tot Ion: 43 Resp: 543340
 Ion Ratio Lower Upper
 43 100
 86 9.4 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 19.233 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion: 63 Resp: 98834
 Ion Ratio Lower Upper
 63 100
 98 7.4 3.5 10.5
 100 5.2 2.4 7.1





#25

2-Butanone

Concen: 126.460 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Instrument :

MSVOA_W

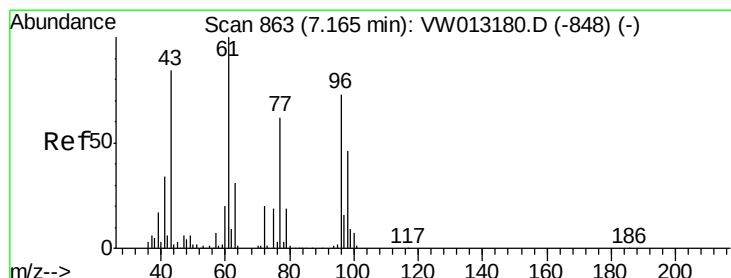
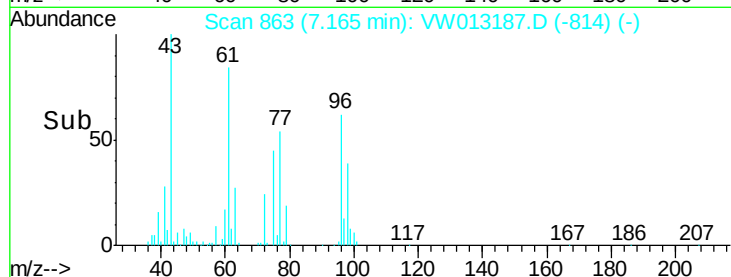
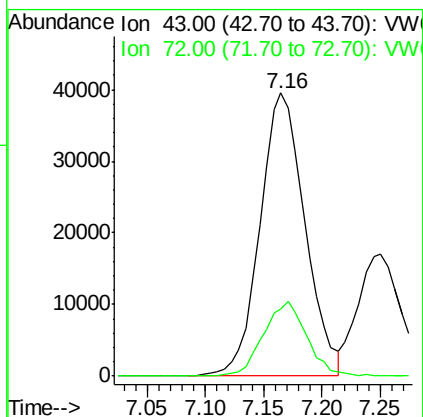
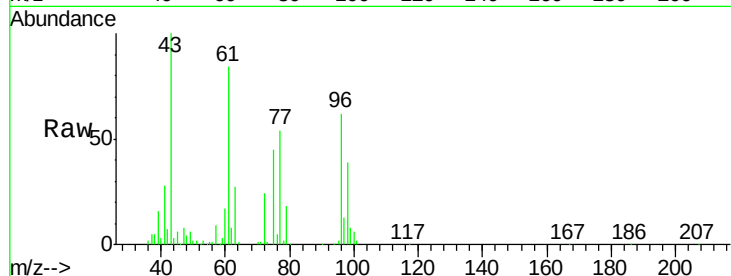
ClientSampled :

Tot Ion: 43 Resp: 105797

Ion Ratio Lower Upper

43 100

72 23.7 19.4 29.0



#26

2,2-Dichloropropane

Concen: 19.969 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013187.D

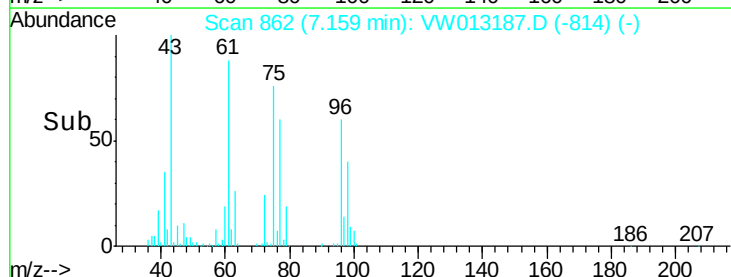
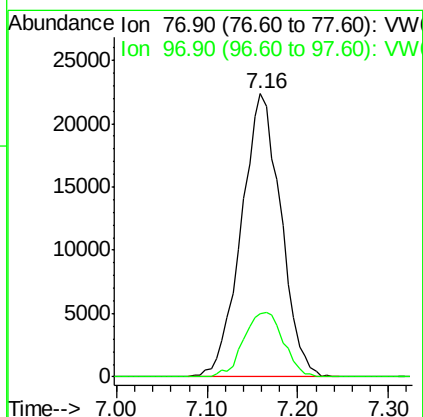
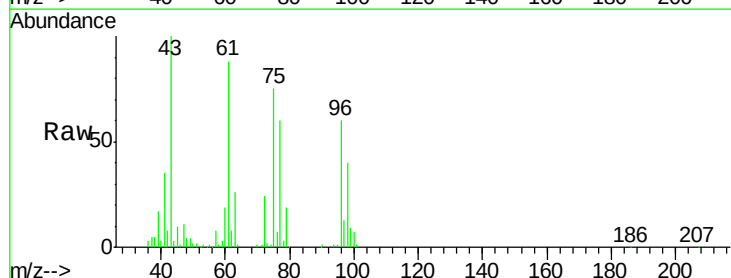
Acq: 20 Sep 2019 17:33

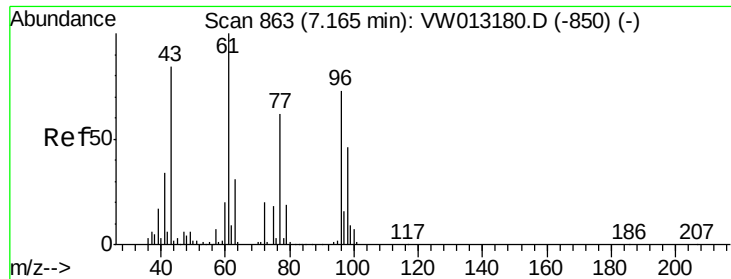
Tgt Ion: 77 Resp: 67554

Ion Ratio Lower Upper

77 100

97 22.9 11.8 35.4



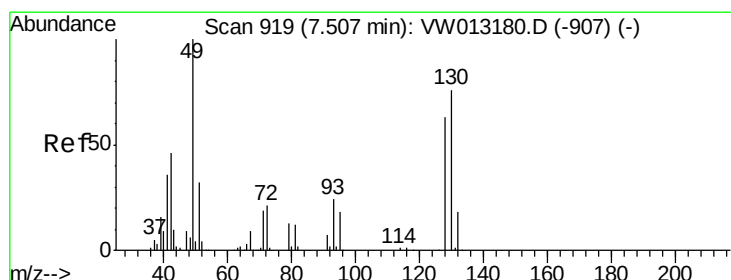
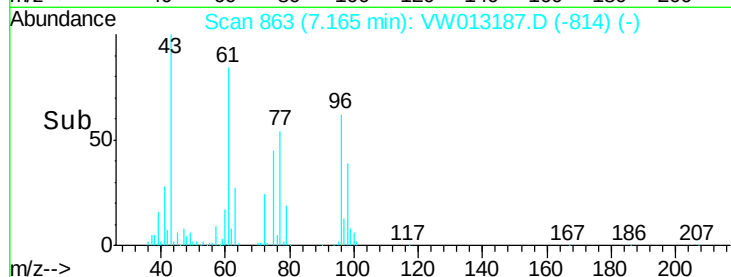
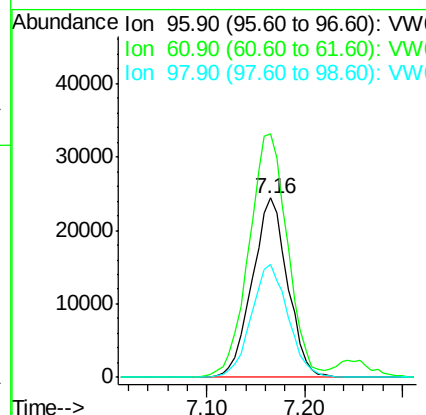
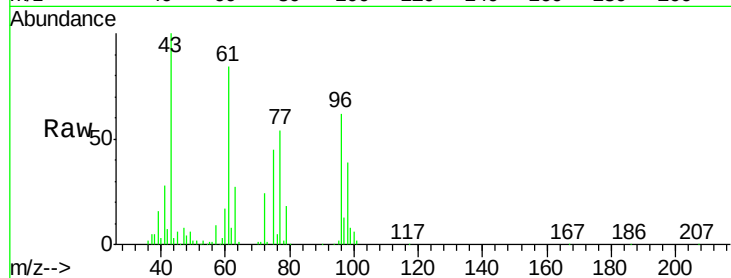


#27

cis-1,2-Dichloroethene
 Concen: 19.096 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Instrument :
 MSVOA_W
 ClientSampled :

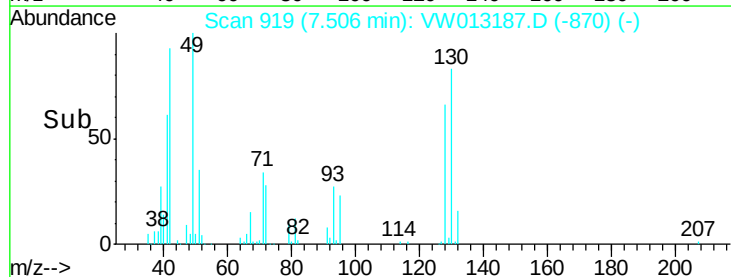
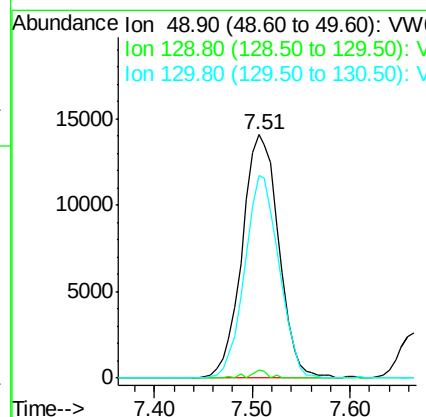
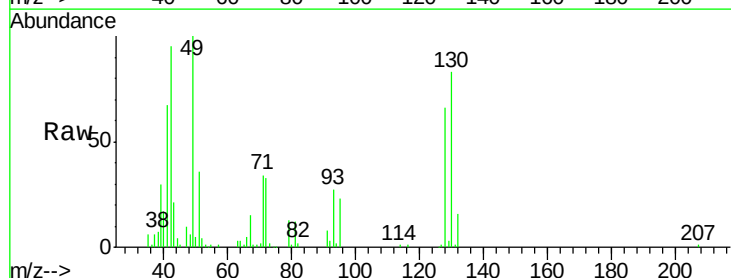
Tot Ion: 96 Resp: 61291
 Ion Ratio Lower Upper
 96 100
 61 147.9 0.0 282.4
 98 65.3 0.0 128.2

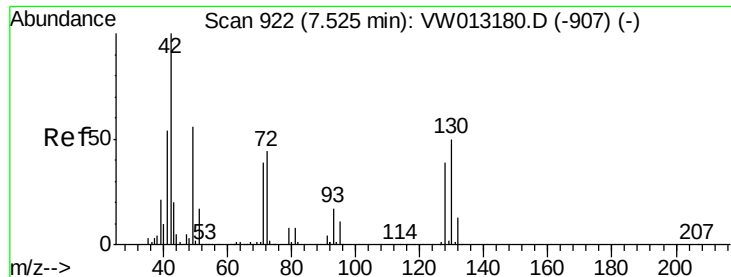


#28

Bromochloromethane
 Concen: 18.540 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion: 49 Resp: 36567
 Ion Ratio Lower Upper
 49 100
 129 1.6 0.0 1.0#
 130 78.0 63.4 95.2

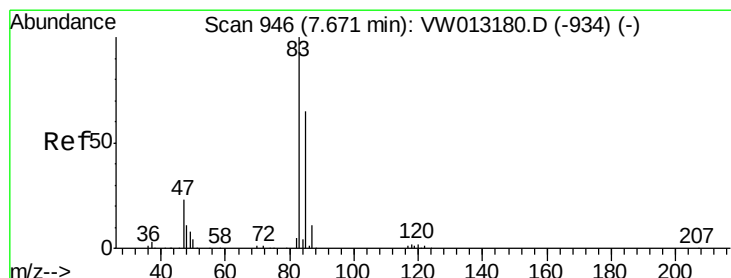
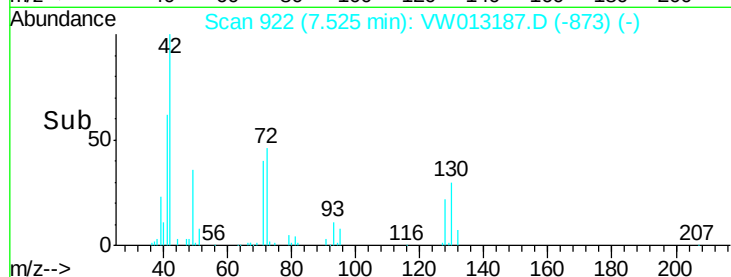
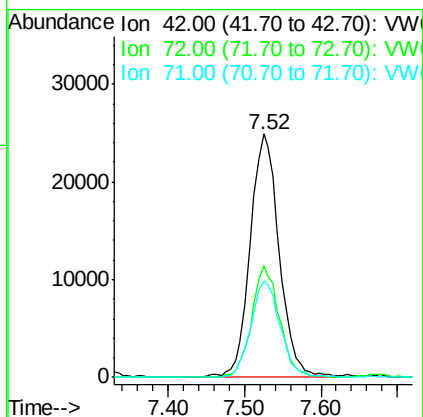
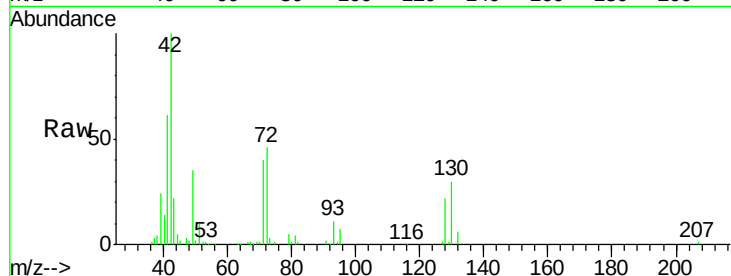




#29
Tetrahydrofuran
Concen: 128.959 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

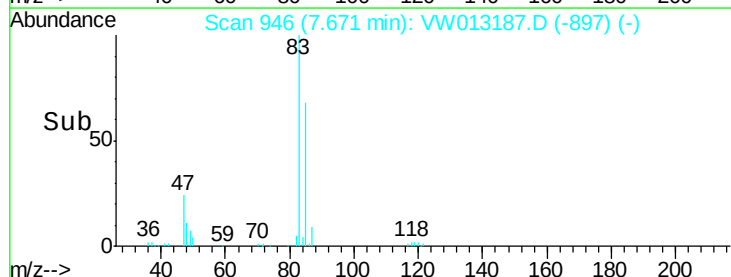
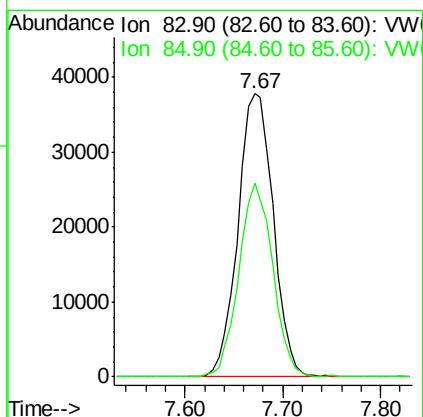
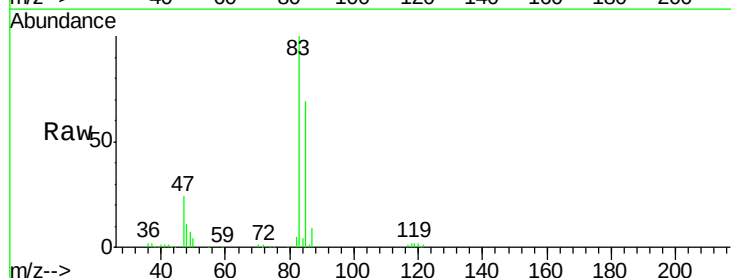
Instrument :
MSVOA_W
ClientSampled :

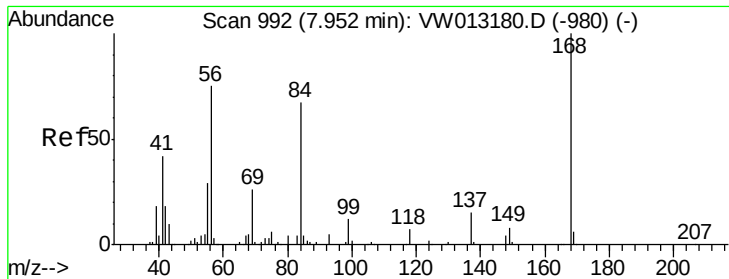
Tot Ion: 42 Resp: 66164
Ion Ratio Lower Upper
42 100
72 43.7 33.9 50.9
71 40.0 31.9 47.9



#30
Chloroform
Concen: 18.766 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Tgt Ion: 83 Resp: 94413
Ion Ratio Lower Upper
83 100
85 68.6 52.3 78.5

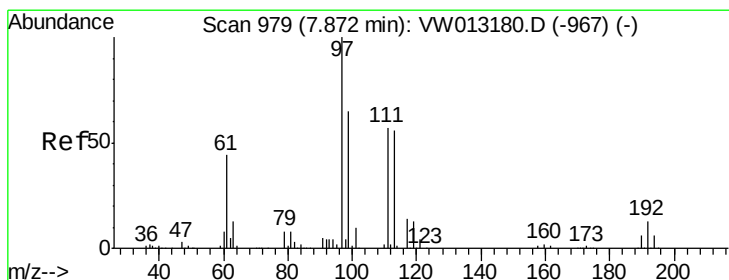
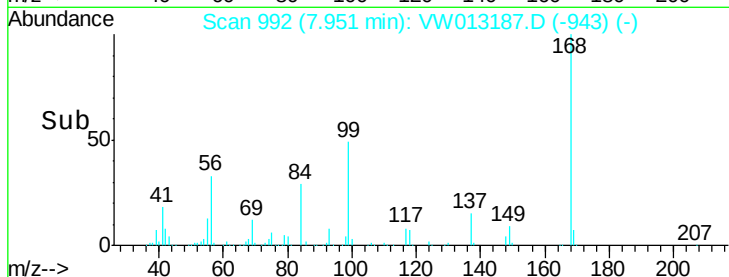
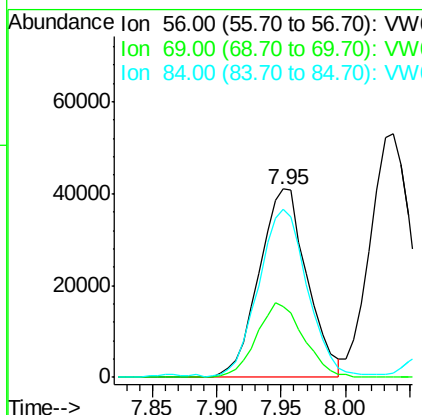
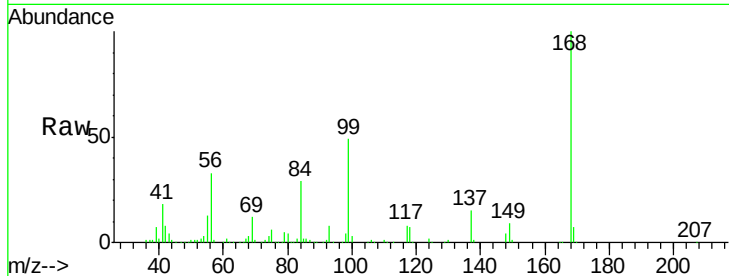




#31
Cyclohexane
Concen: 19.873 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

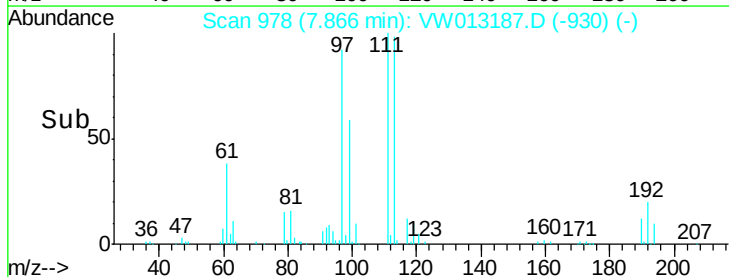
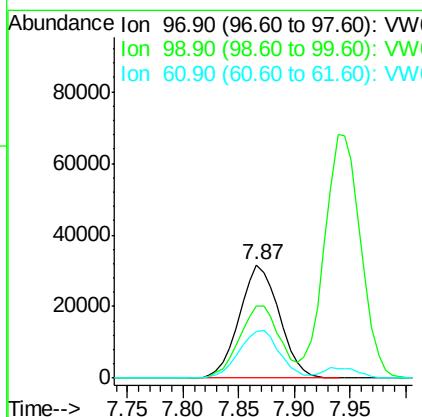
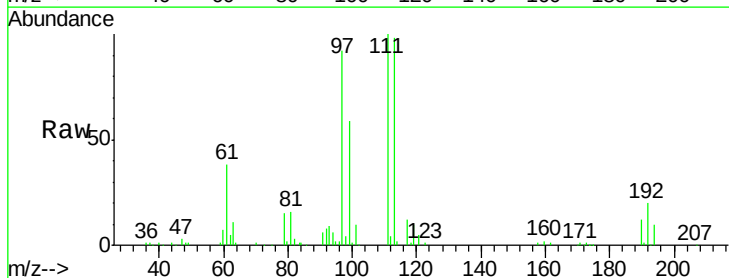
Instrument :
MSVOA_W
ClientSampled :

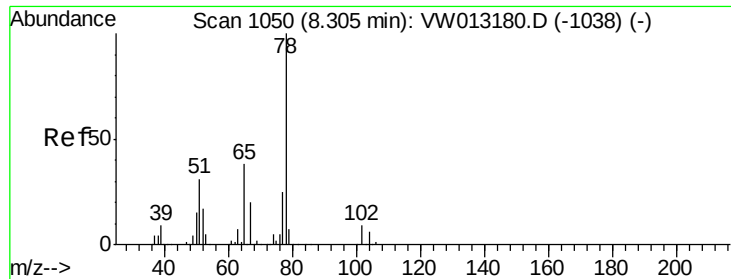
Tot Ion: 56 Resp: 106453
Ion Ratio Lower Upper
56 100
69 37.7 27.2 40.8
84 88.7 70.8 106.2



#32
1,1,1-Trichloroethane
Concen: 19.369 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Tgt Ion: 97 Resp: 78926
Ion Ratio Lower Upper
97 100
99 64.9 51.7 77.5
61 43.1 34.6 51.8

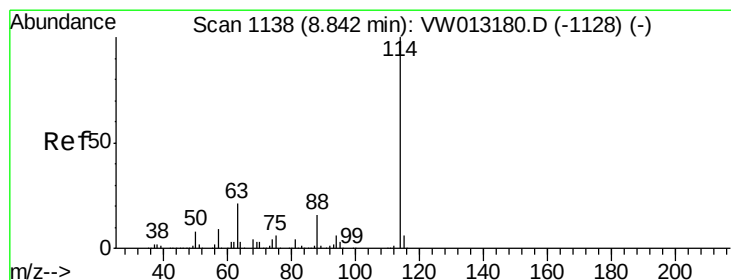
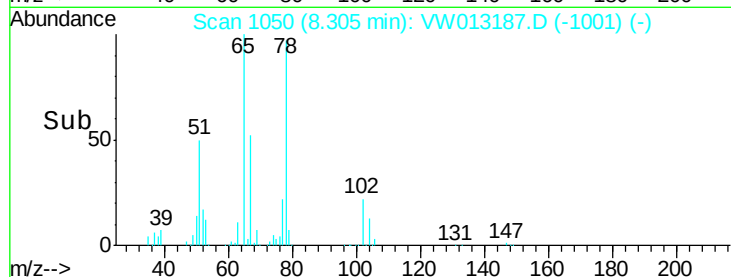
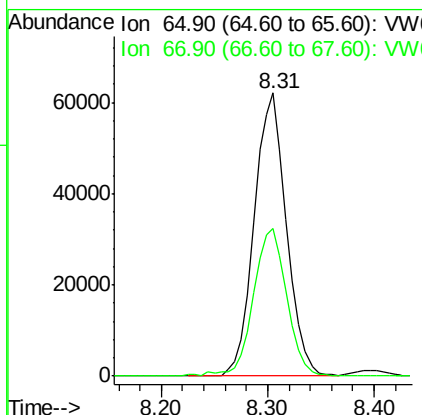
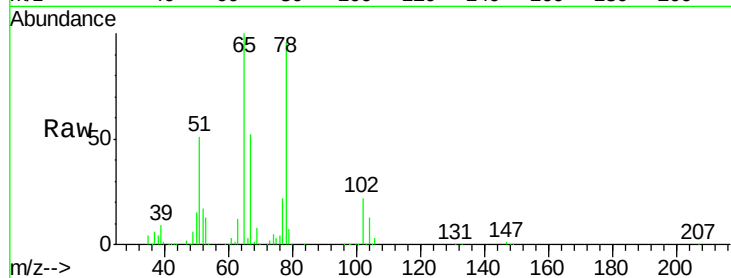




#33
 1,2-Dichloroethane-d4
 Concen: 53.155 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

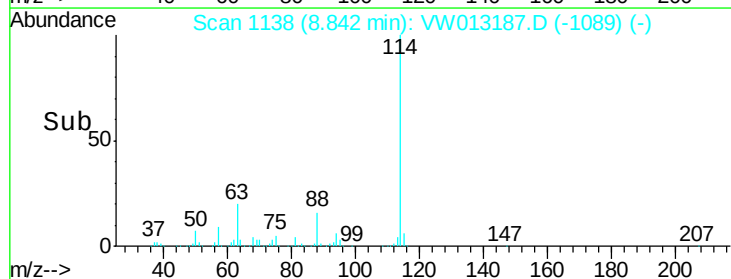
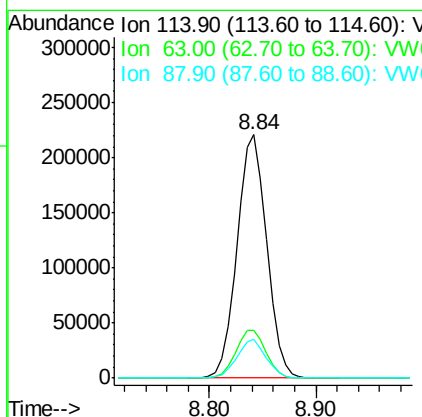
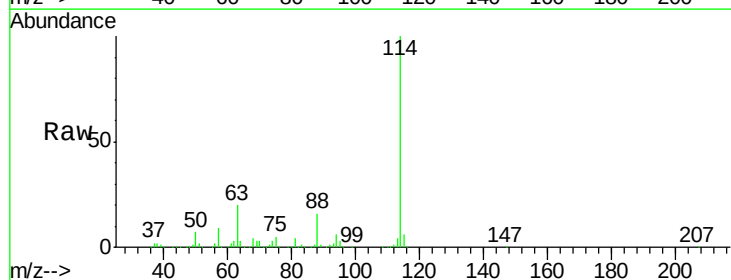
Instrument :
 MSVOA_W
 ClientSampleId :

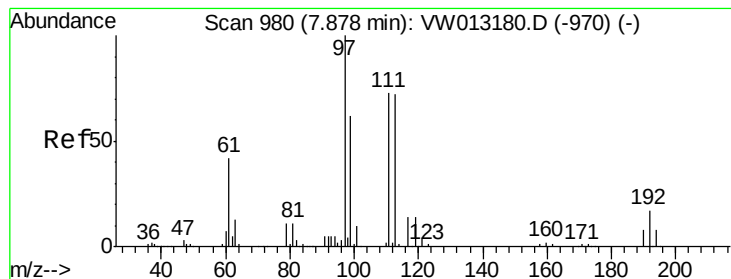
Tot Ion: 65 Resp: 131361
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion: 114 Resp: 431849
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 41.4
 88 15.8 0.0 32.0





#35

Dibromofluoromethane

Concen: 52.148 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Instrument :

MSVOA_W

ClientSampleId :

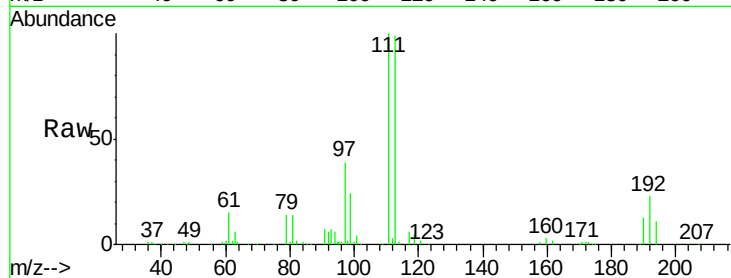
Tot Ion:113 Resp: 123860

Ion Ratio Lower Upper

113 100

111 102.4 81.9 122.9

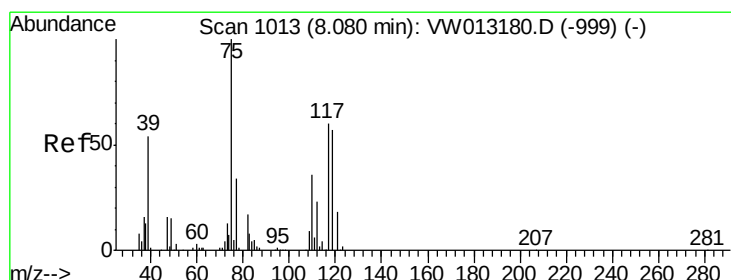
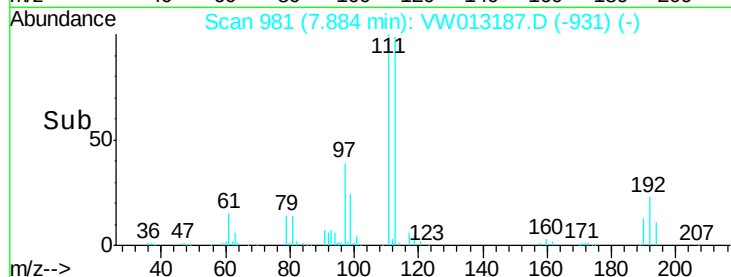
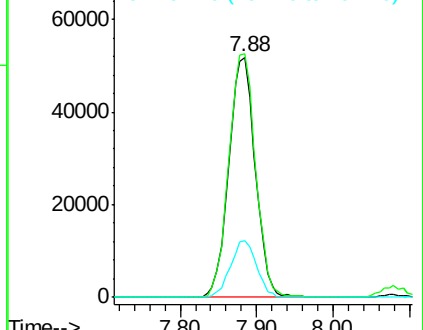
192 23.3 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.945 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

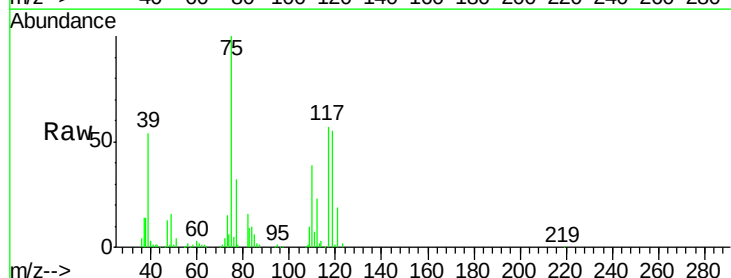
Tgt Ion: 75 Resp: 83423

Ion Ratio Lower Upper

75 100

110 36.7 18.1 54.3

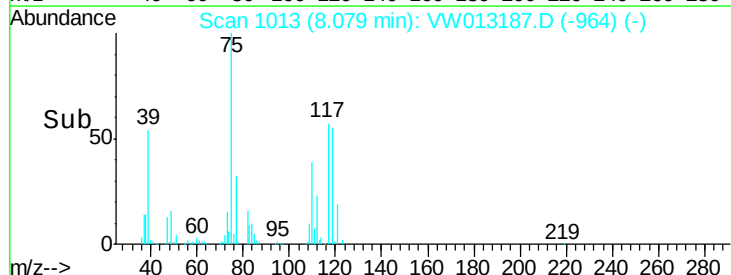
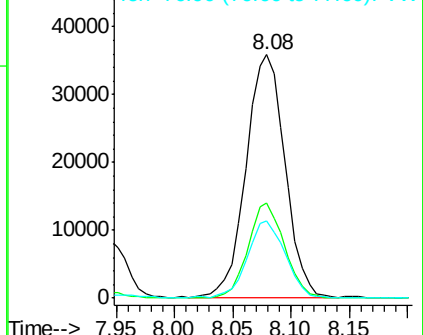
77 31.2 25.8 38.6

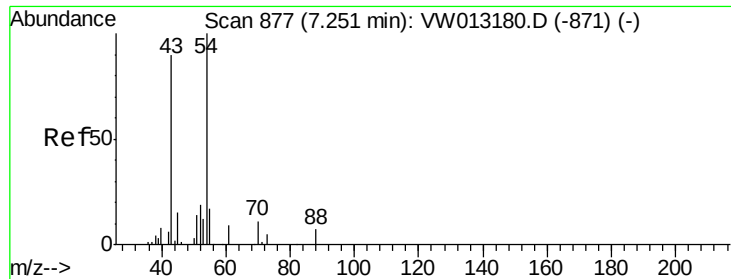


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

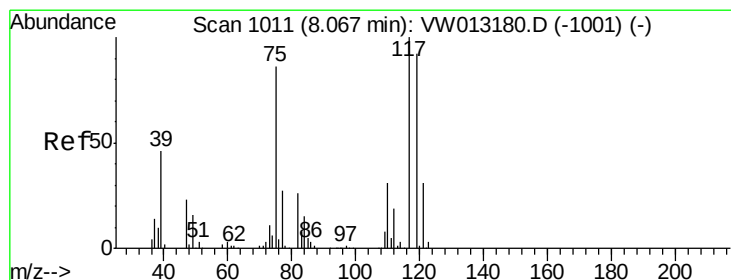
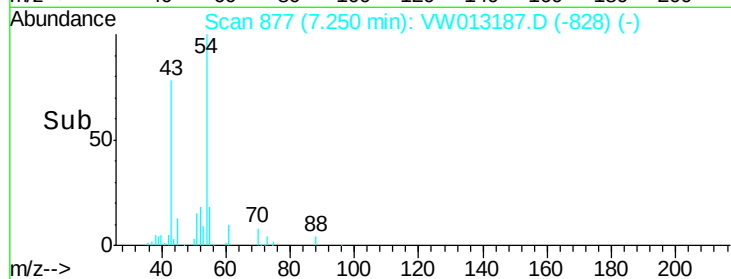
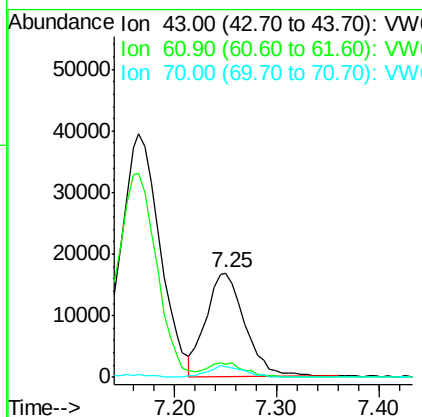
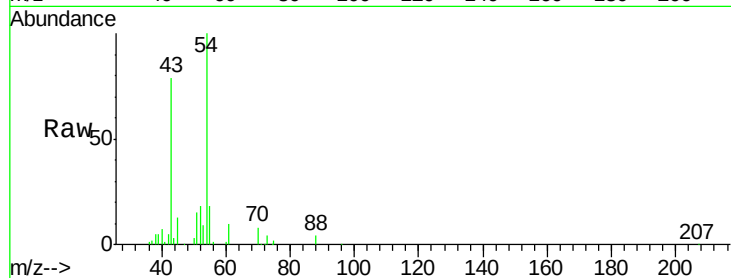




#37
Ethyl Acetate
Concen: 25.016 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

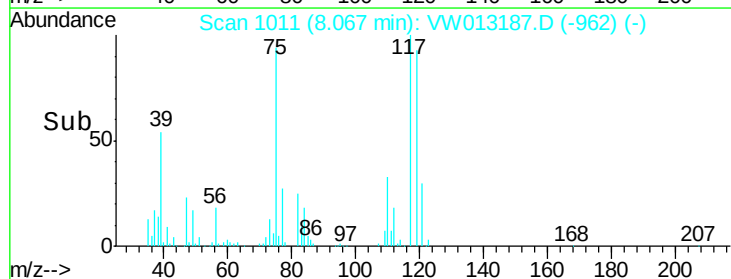
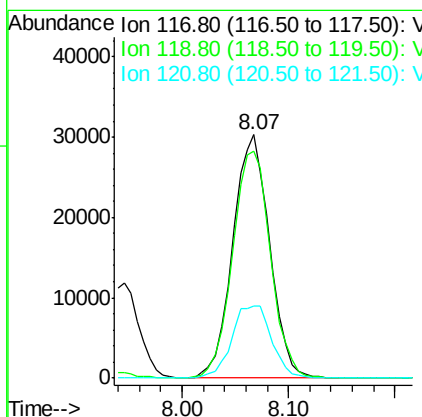
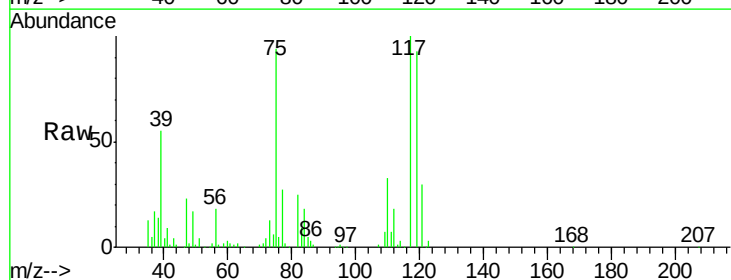
Instrument :
MSVOA_W
ClientSampled :

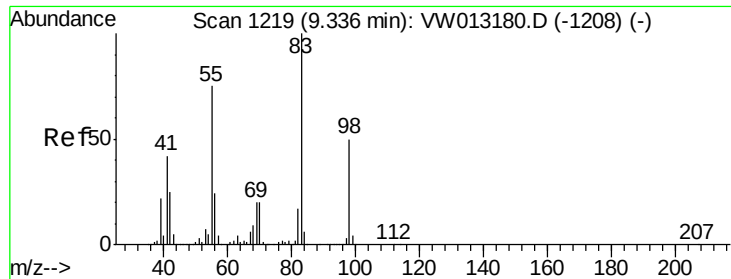
Tot Ion: 43 Resp: 44471
Ion Ratio Lower Upper
43 100
61 13.8 10.9 16.3
70 10.4 8.2 12.2



#38
Carbon Tetrachloride
Concen: 19.596 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Tgt Ion: 117 Resp: 73477
Ion Ratio Lower Upper
117 100
119 93.2 73.5 110.3
121 29.8 25.0 37.6

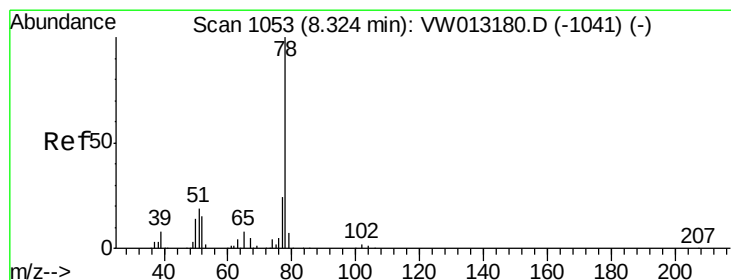
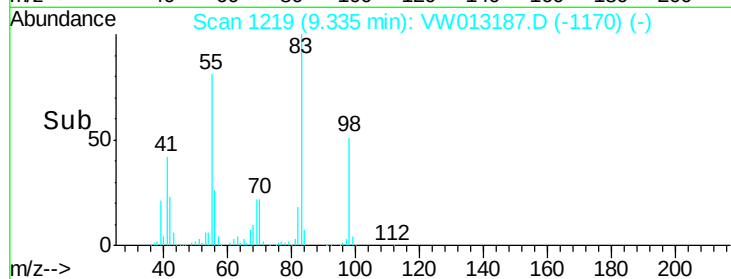
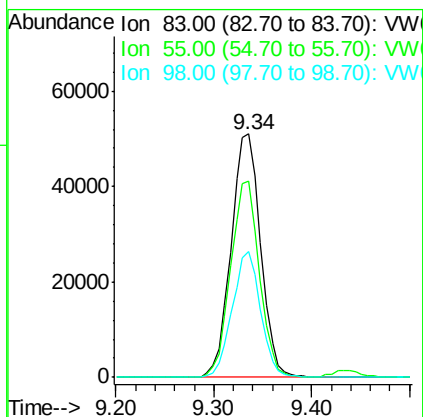
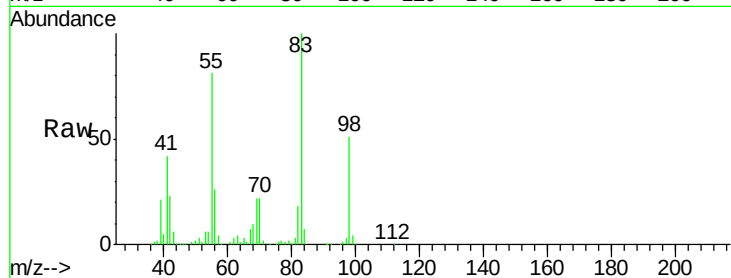




#39
Methylvlcyclohexane
Concen: 19.876 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

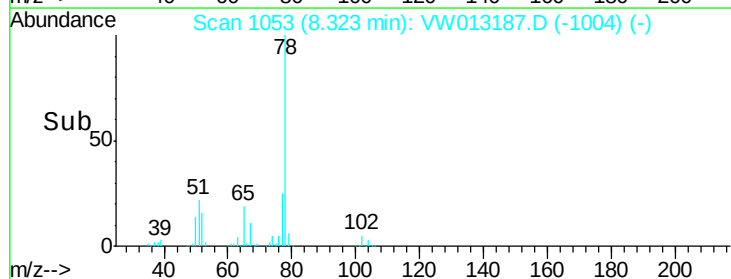
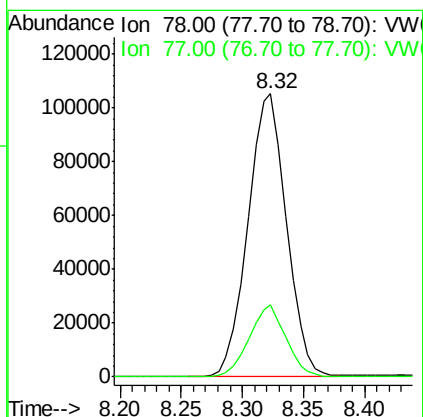
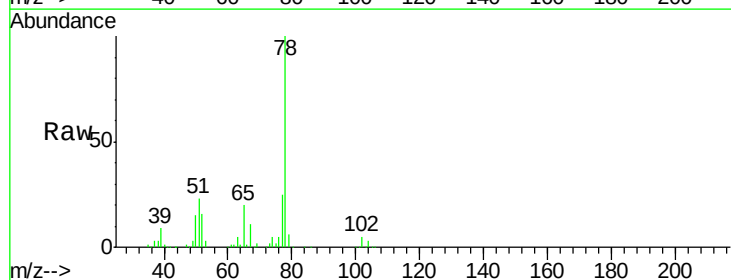
Instrument :
MSVOA_W
ClientSampled :

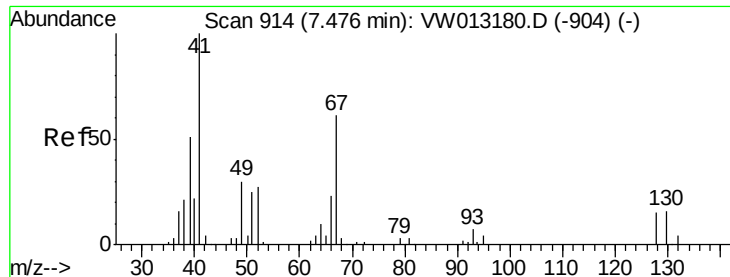
Tot Ion: 83 Resp: 106842
Ion Ratio Lower Upper
83 100
55 80.7 60.4 90.6
98 51.5 40.0 60.0



#40
Benzene
Concen: 19.806 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Tgt Ion: 78 Resp: 231074
Ion Ratio Lower Upper
78 100
77 25.5 19.1 28.7

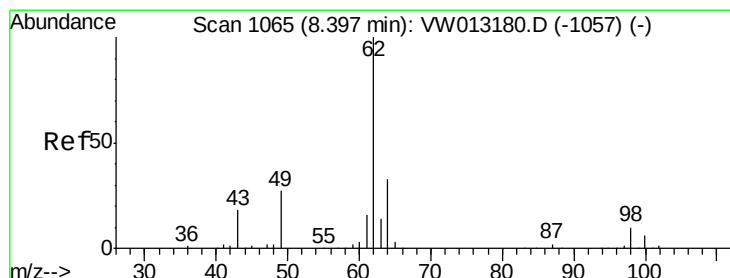
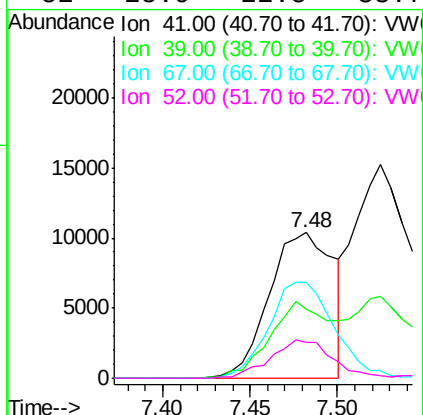
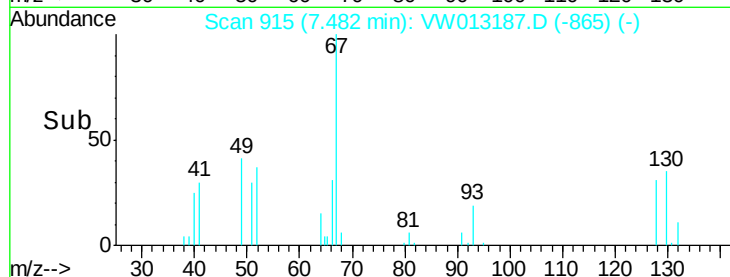
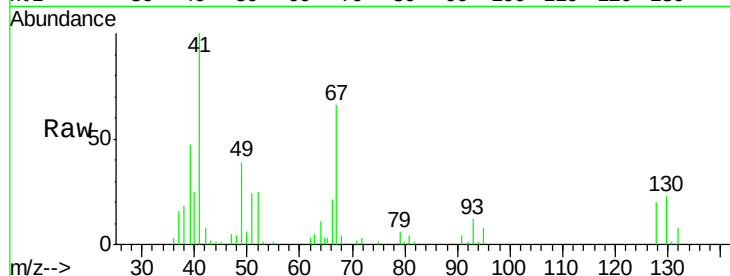




#41
Methacrylonitrile
Concen: 25.125 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.01 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

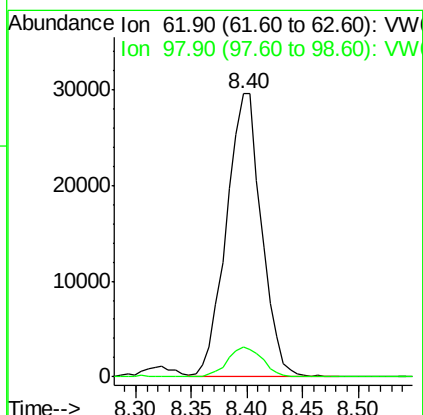
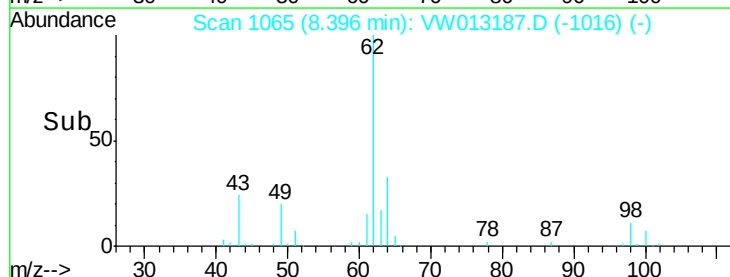
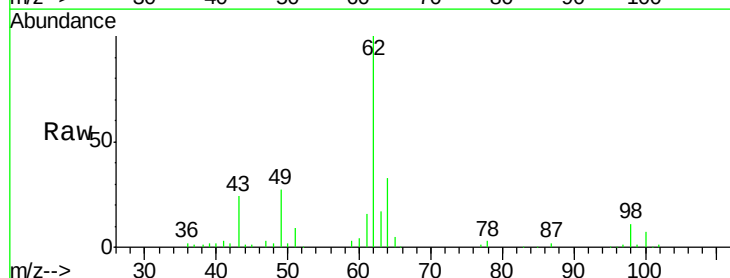
Instrument :
MSVOA_W
ClientSampleId :

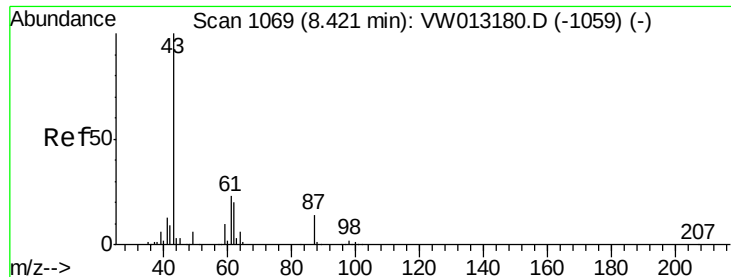
Tot Ion: 41 Resp: 26657
Ion Ratio Lower Upper
41 100
39 43.9 45.9 68.9#
67 67.4 54.5 81.7
52 25.9 22.5 33.7



#42
1,2-Dichloroethane
Concen: 20.643 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Tgt Ion: 62 Resp: 64744
Ion Ratio Lower Upper
62 100
98 10.5 0.0 20.6





#43

Isopropyl Acetate

Concen: 23.113 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Instrument :

MSVOA_W

ClientSampleId :

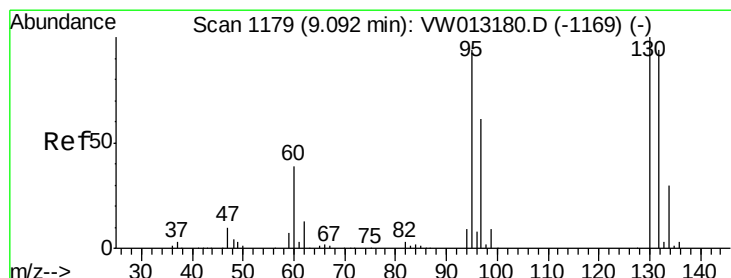
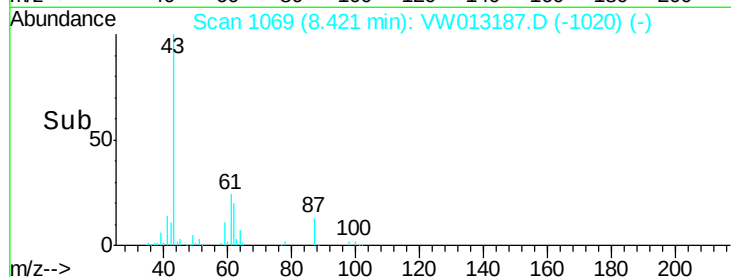
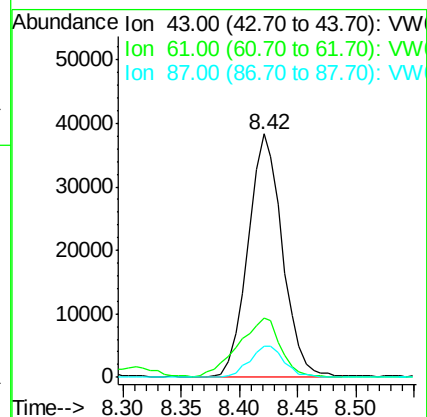
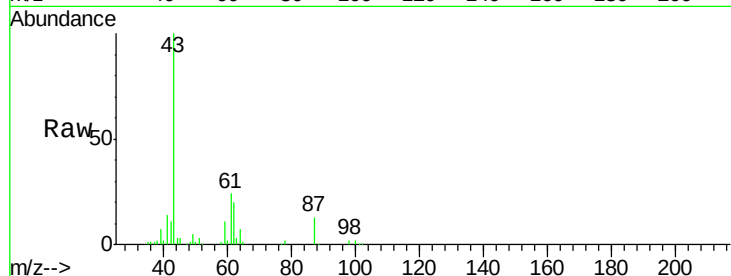
Tot Ion: 43 Resp: 78749

Ion Ratio Lower Upper

43 100

61 30.1 25.5 38.3

87 13.0 11.0 16.4



#44

Trichloroethene

Concen: 19.686 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW013187.D

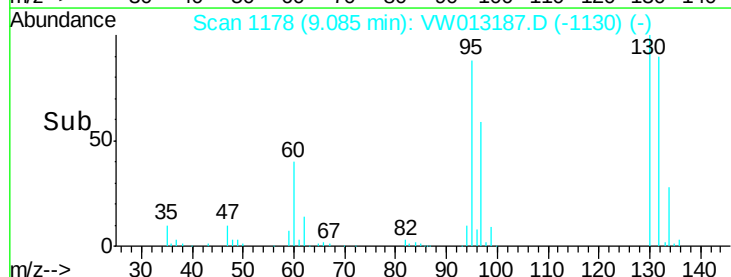
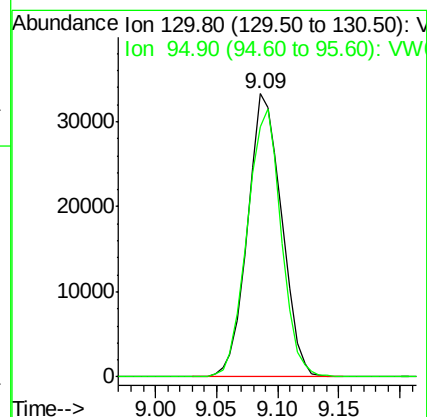
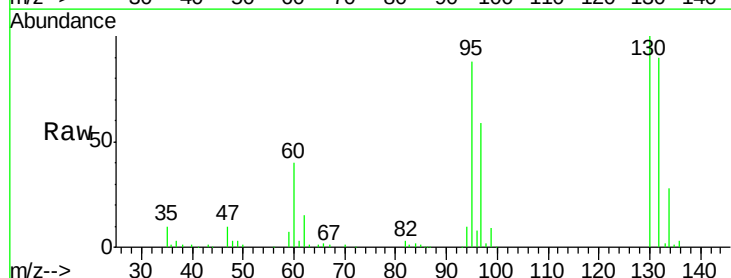
Acq: 20 Sep 2019 17:33

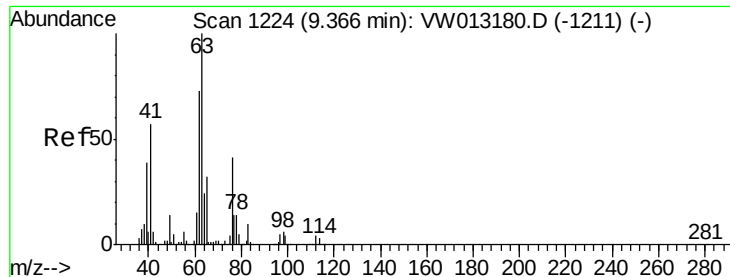
Tgt Ion: 130 Resp: 64440

Ion Ratio Lower Upper

130 100

95 88.3 0.0 188.0

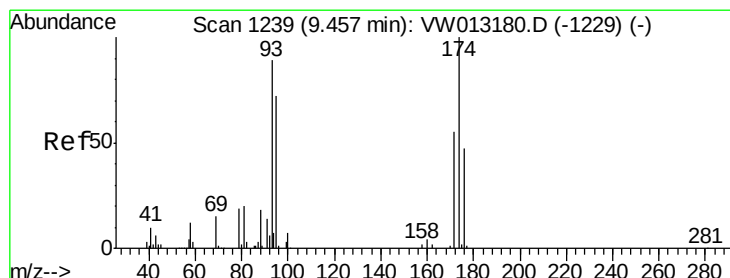
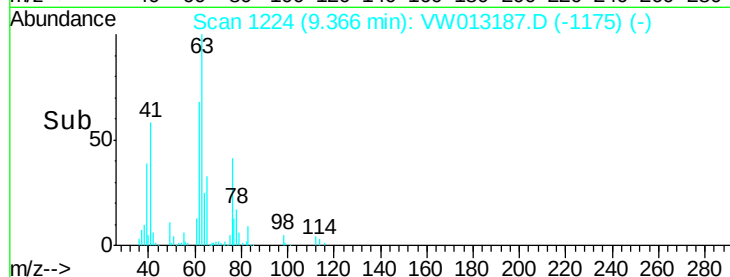
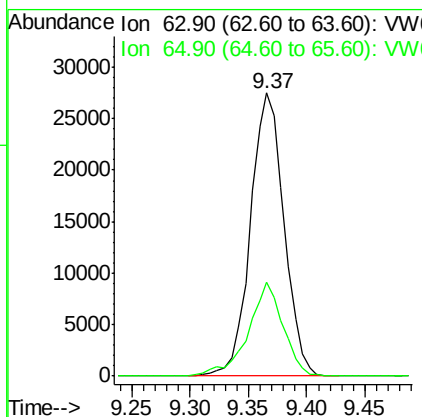
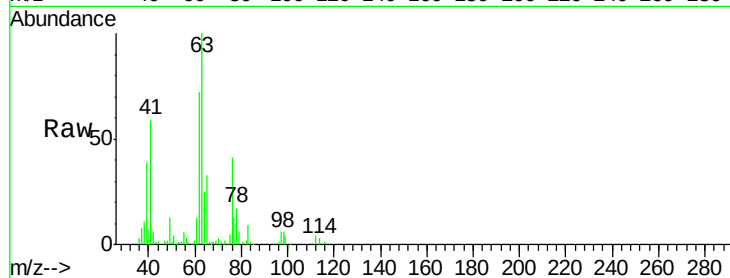




#45
 1,2-Dichloropropane
 Concen: 19.274 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

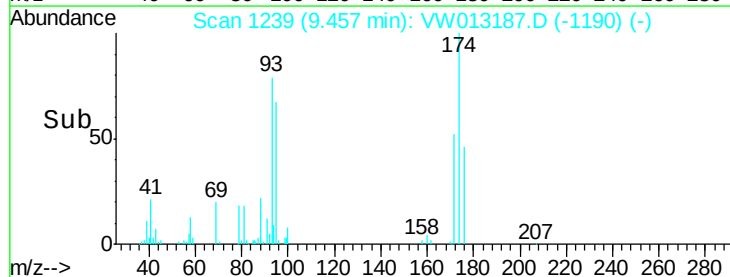
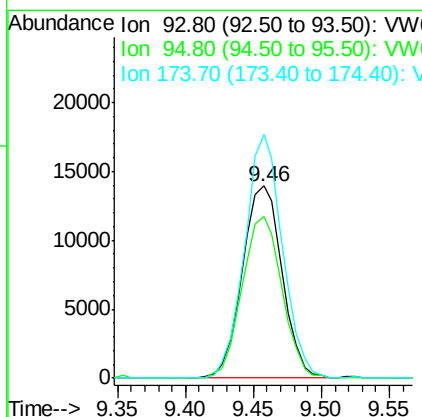
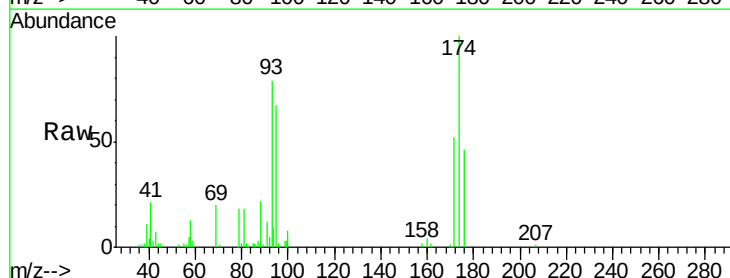
Instrument :
 MSVOA_W
 ClientSampleId :

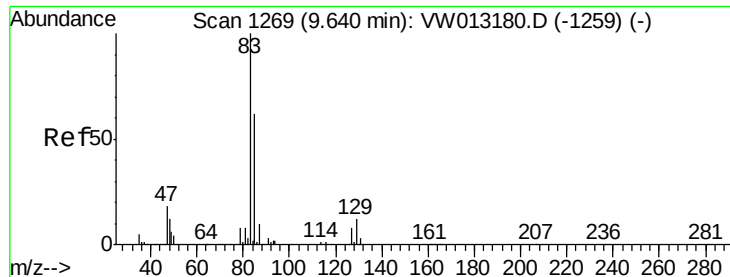
Tot Ion: 63 Resp: 54899
 Ion Ratio Lower Upper
 63 100
 65 33.3 25.3 37.9



#46
 Dibromomethane
 Concen: 20.665 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion: 93 Resp: 28577
 Ion Ratio Lower Upper
 93 100
 95 84.4 66.4 99.6
 174 120.3 93.0 139.6





#47

Bromodichloromethane

Concen: 18.994 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Instrument :

MSVOA_W

ClientSampleId :

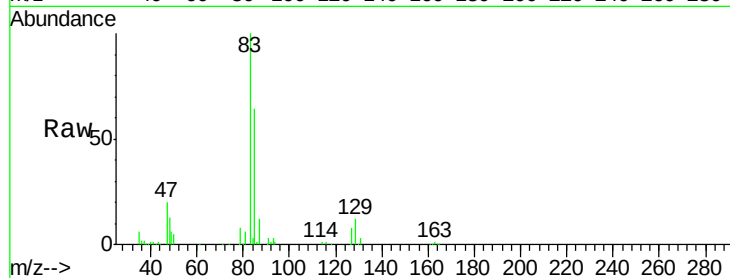
Tot Ion: 83 Resp: 66837

Ion Ratio Lower Upper

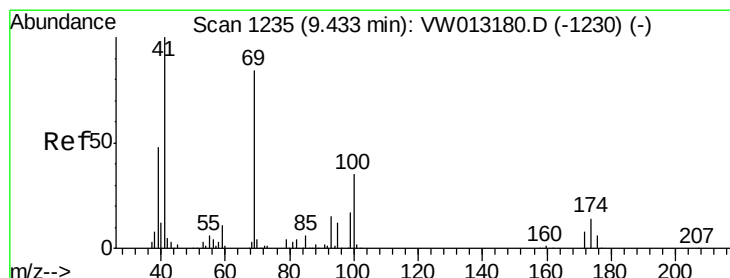
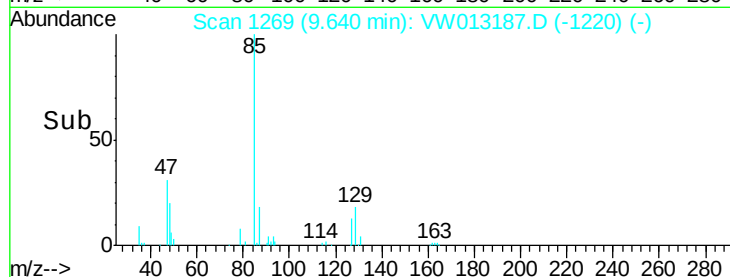
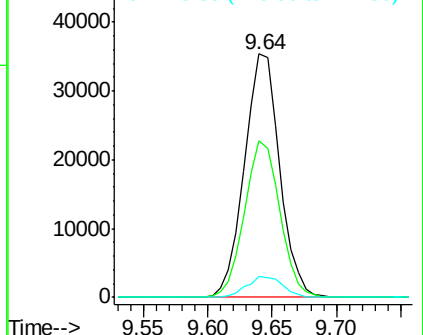
83 100

85 64.4 49.4 74.2

127 8.5 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: 23.701 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

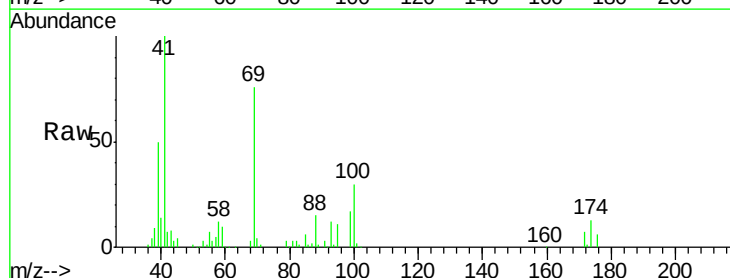
Tgt Ion: 41 Resp: 37971

Ion Ratio Lower Upper

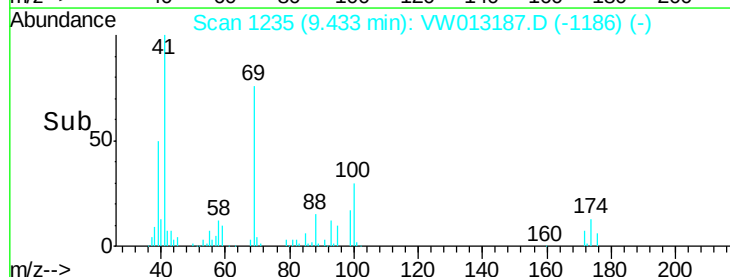
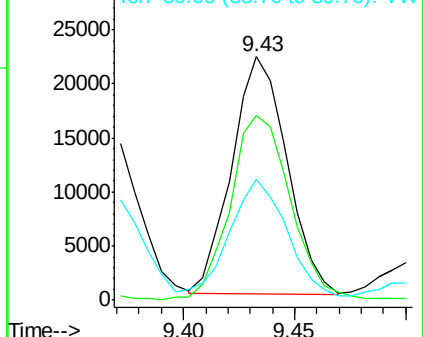
41 100

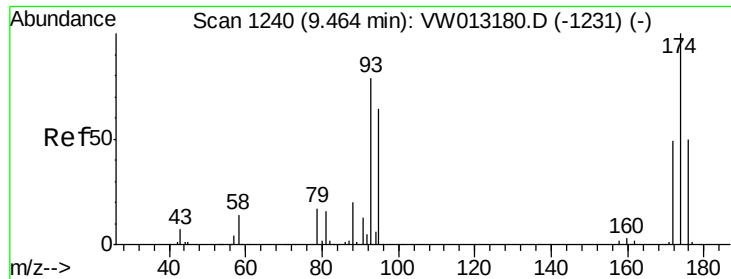
69 84.7 69.7 104.5

39 50.5 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

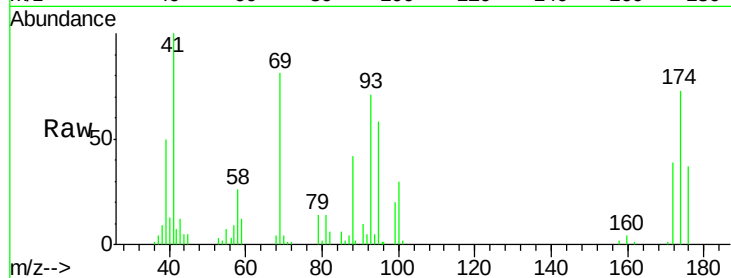




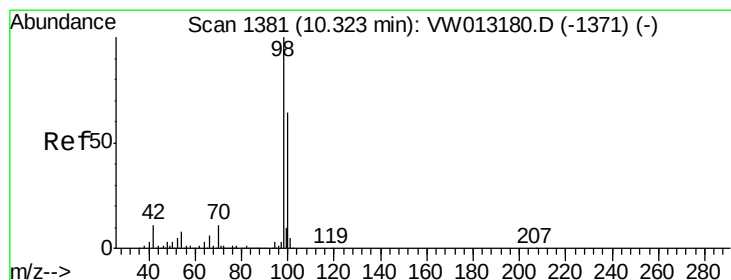
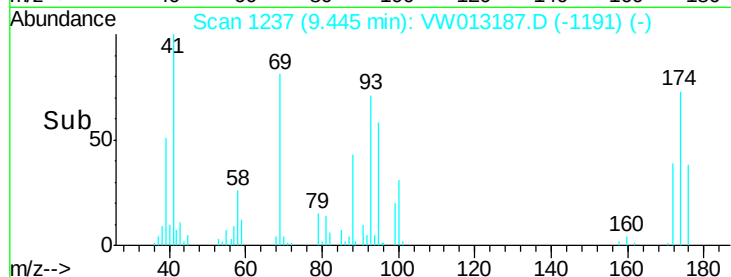
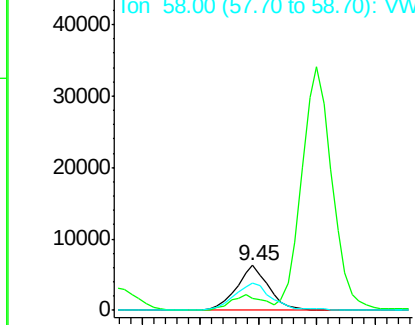
#49
1,4-Dioxane
Concen: 583.339 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 12109
Ion Ratio Lower Upper
88 100
43 33.0 0.0 0.0#
58 68.6 65.4 98.0

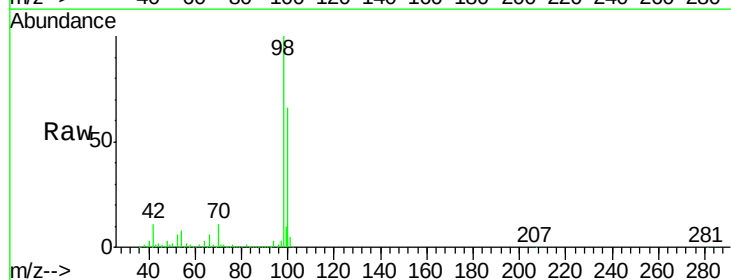


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

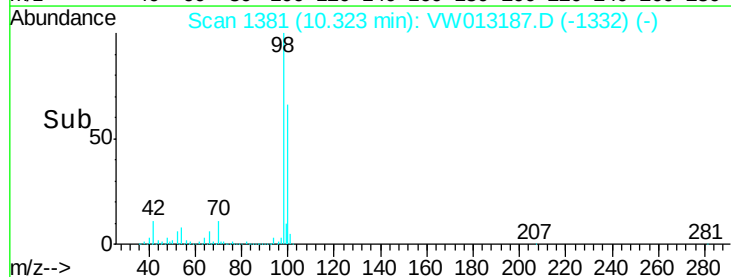
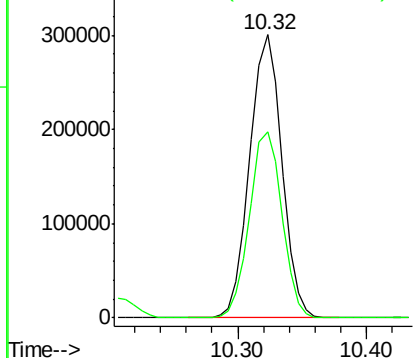


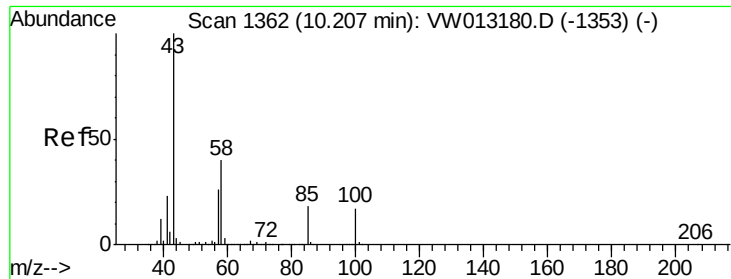
#50
Toluene-d8
Concen: 52.144 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Tgt Ion: 98 Resp: 518332
Ion Ratio Lower Upper
98 100
100 66.4 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: 125.885 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Instrument :

MSVOA_W

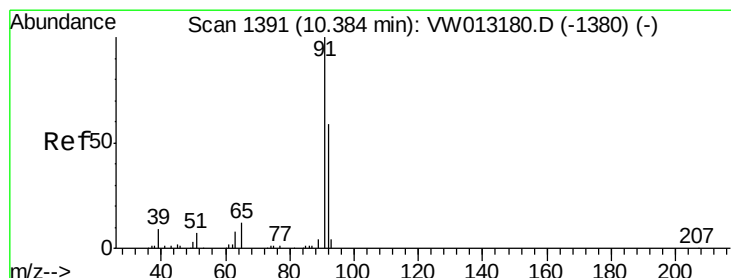
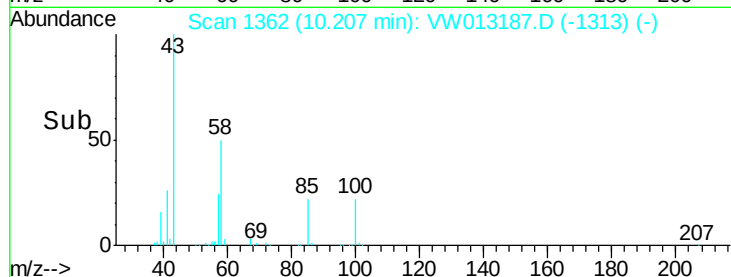
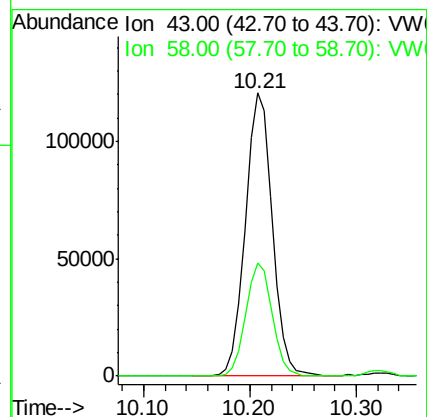
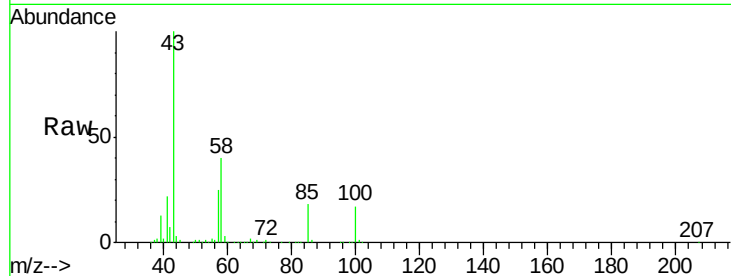
ClientSampleId :

Tot Ion: 43 Resp: 215017

Ion Ratio Lower Upper

43 100

58 39.1 31.7 47.5



#52

Toluene

Concen: 19.825 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013187.D

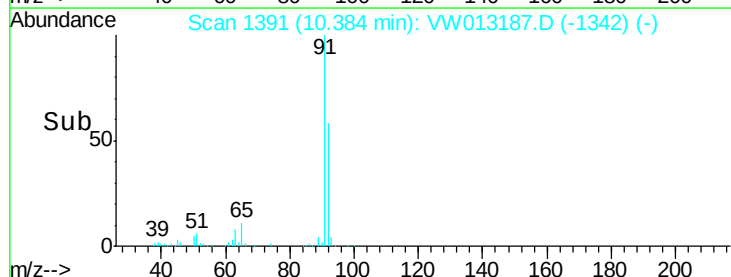
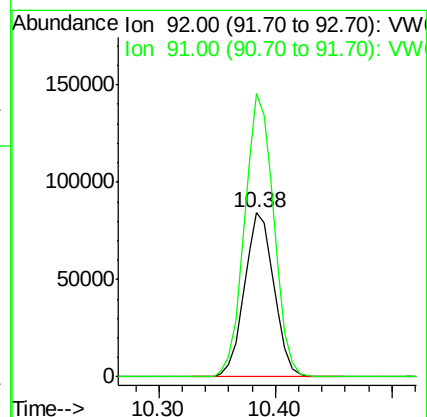
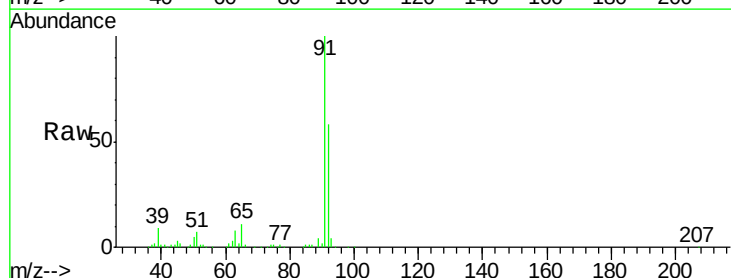
Acq: 20 Sep 2019 17:33

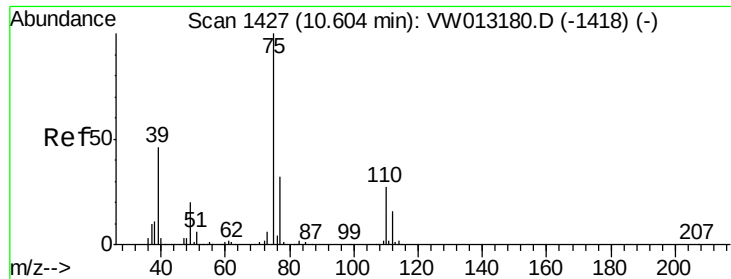
Tgt Ion: 92 Resp: 148234

Ion Ratio Lower Upper

92 100

91 171.9 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 20.098 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Instrument :

MSVOA_W

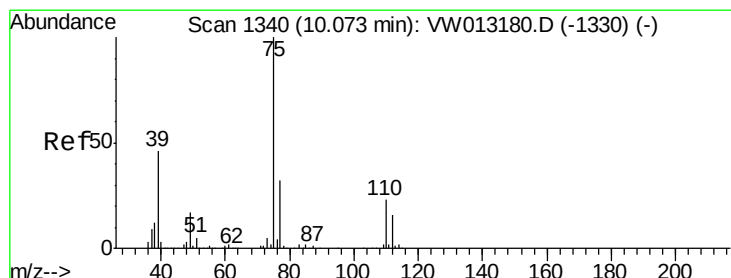
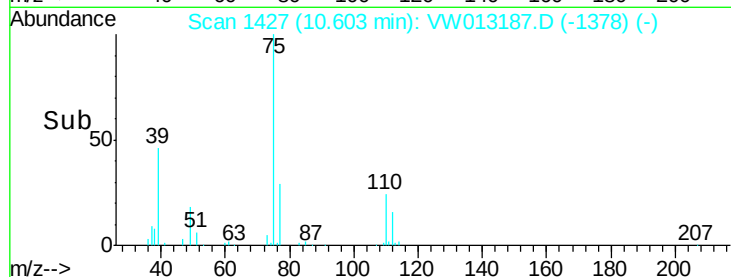
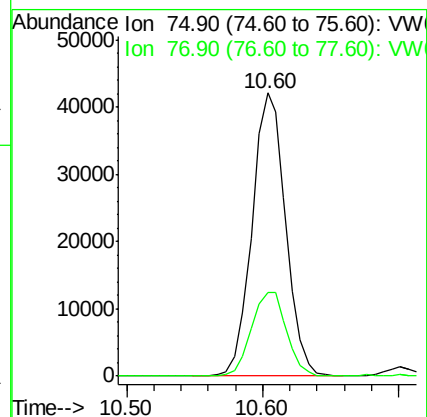
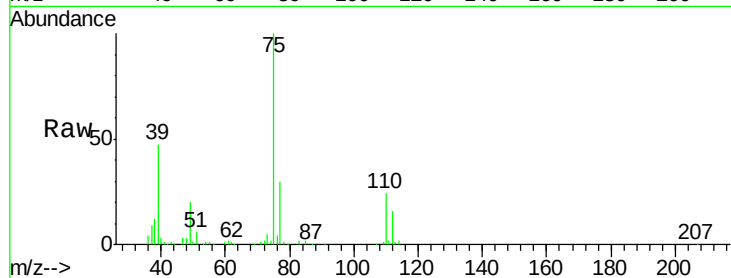
ClientSampled :

Tot Ion: 75 Resp: 72657

Ion Ratio Lower Upper

75 100

77 29.8 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 19.521 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

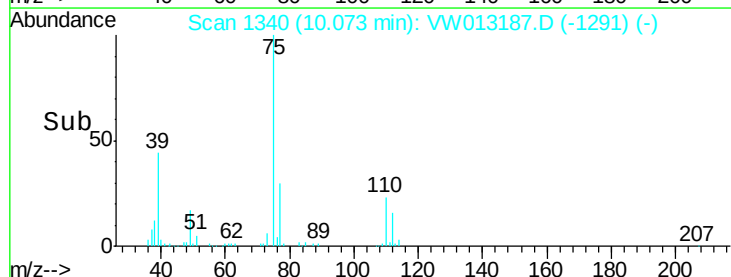
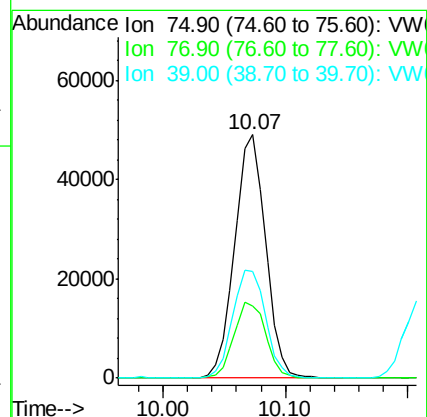
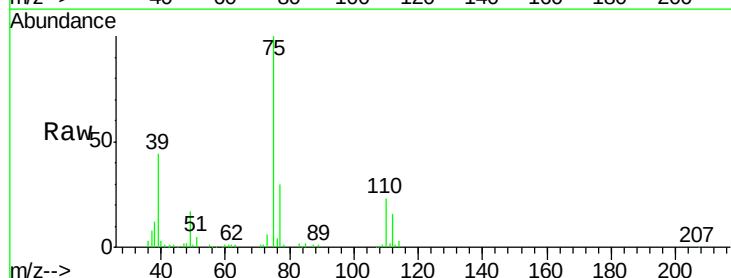
Tgt Ion: 75 Resp: 85809

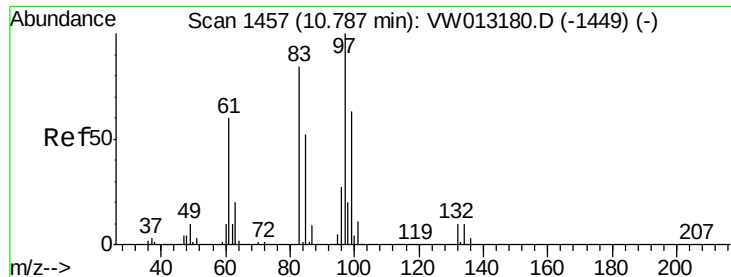
Ion Ratio Lower Upper

75 100

77 29.6 25.2 37.8

39 43.8 36.6 55.0

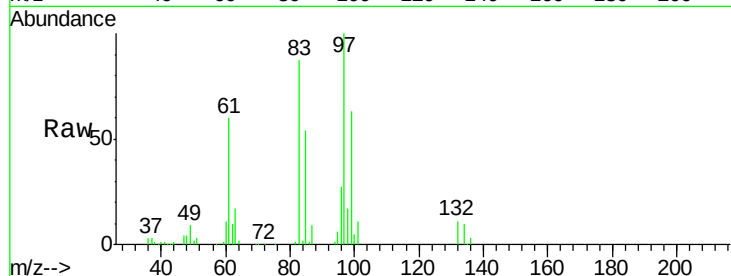




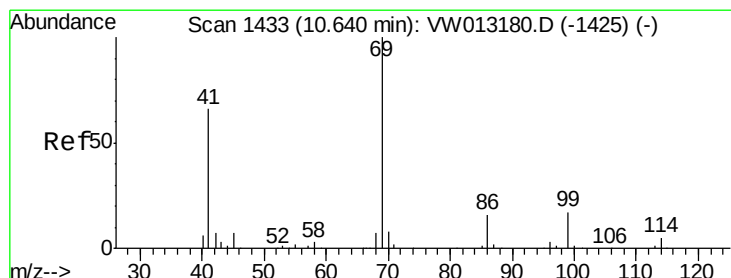
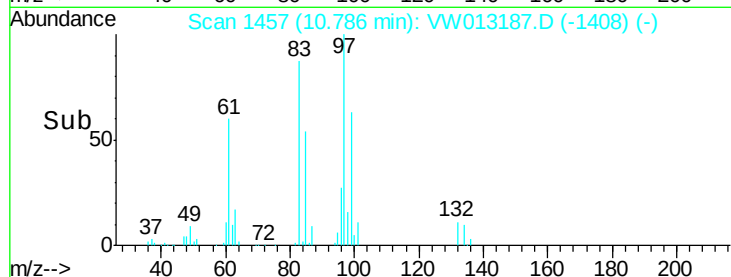
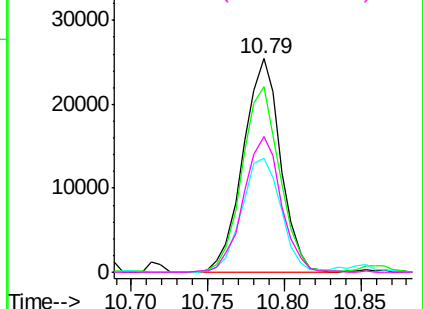
#55
 1,1,2-Trichloroethane
 Concen: 20.979 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	97	Resp:	43364
Ion	Ratio	Lower	Upper
97	100		
83	87.1	67.6	101.4
85	53.5	41.9	62.9
99	63.4	50.1	75.1

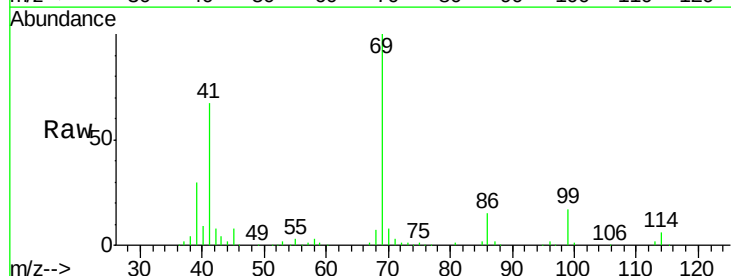


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

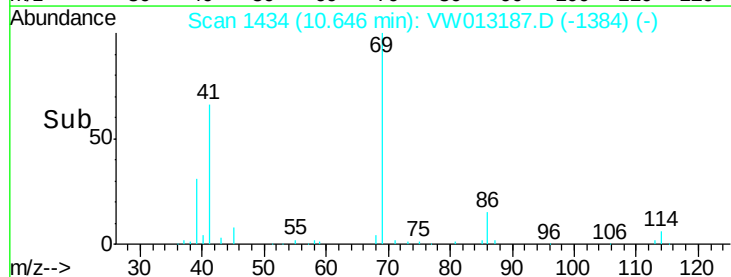
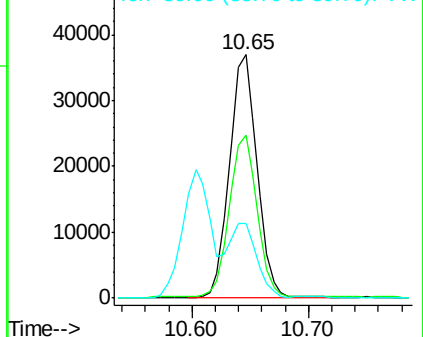


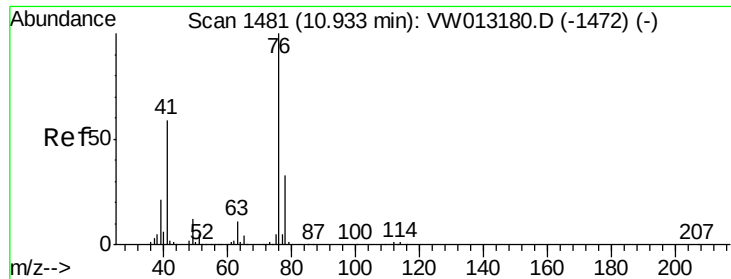
#56
 Ethyl methacrylate
 Concen: 22.685 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion:	69	Resp:	61366
Ion	Ratio	Lower	Upper
69	100		
41	65.9	53.9	80.9
39	28.5	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

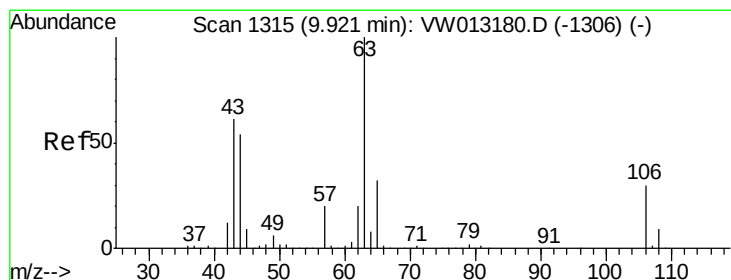
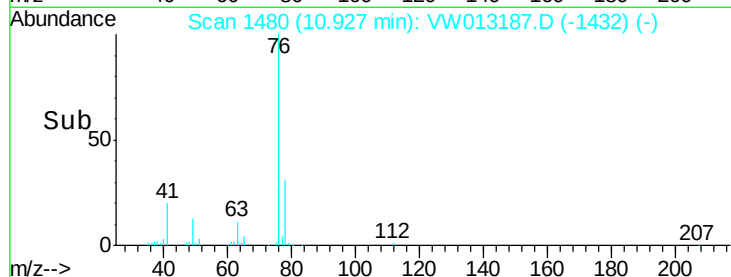
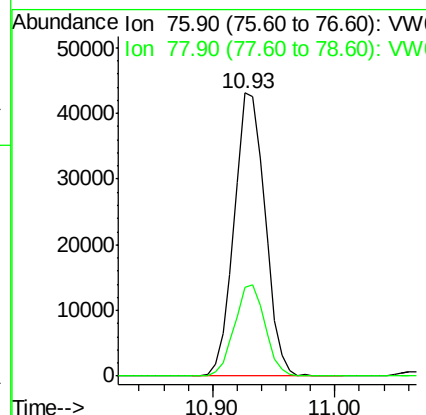
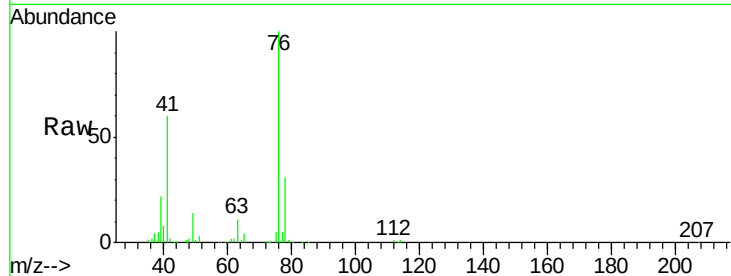




#57
 1,3-Dichloropropane
 Concen: 20.857 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

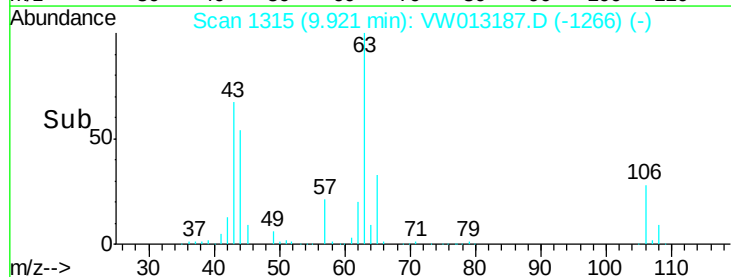
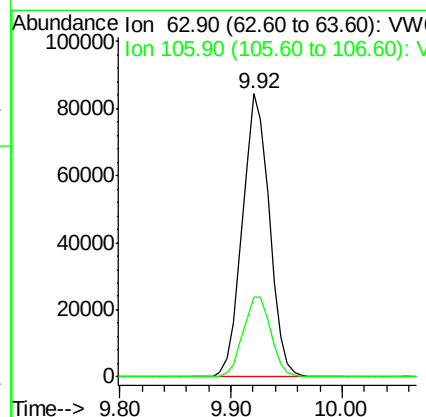
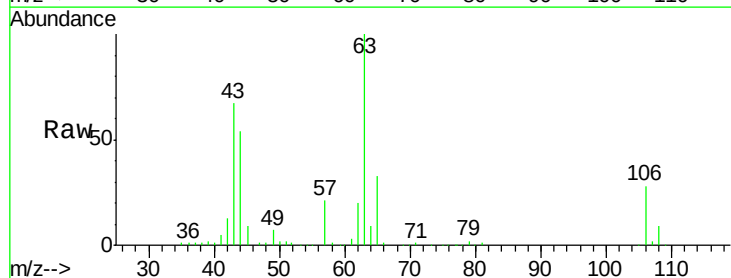
Instrument :
 MSVOA_W
 ClientSampleId :

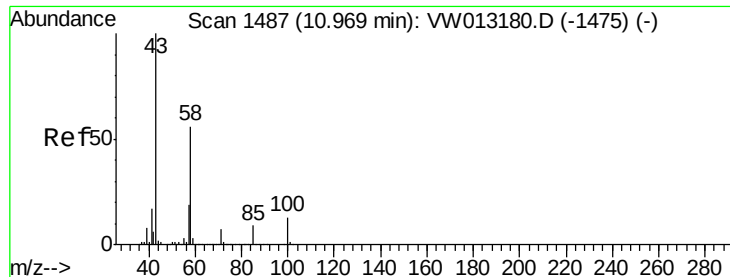
Tot Ion: 76 Resp: 75232
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 113.220 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion: 63 Resp: 141787
 Ion Ratio Lower Upper
 63 100
 106 29.2 23.4 35.0

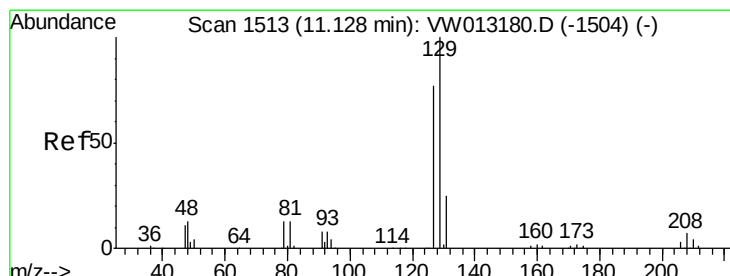
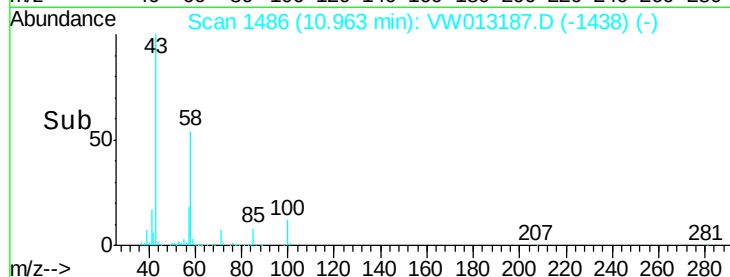
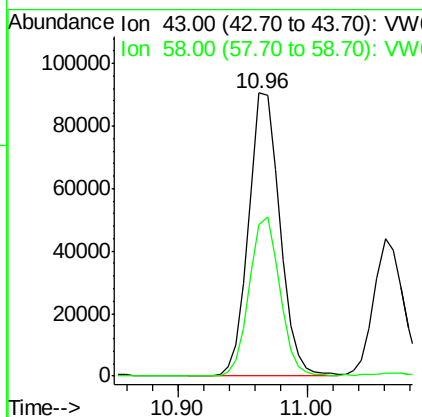
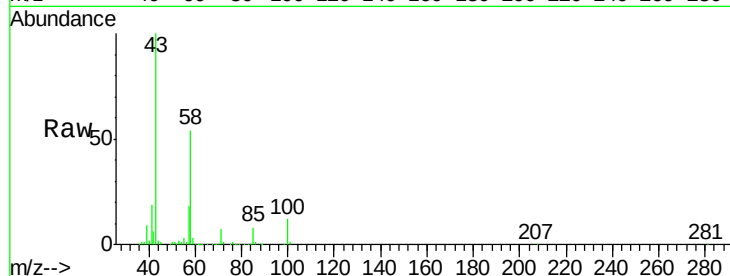




#59
2-Hexanone
Concen: 129.336 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

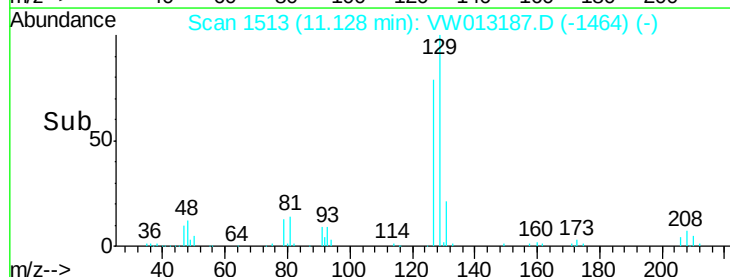
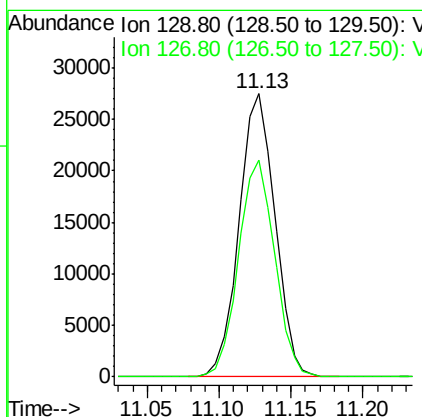
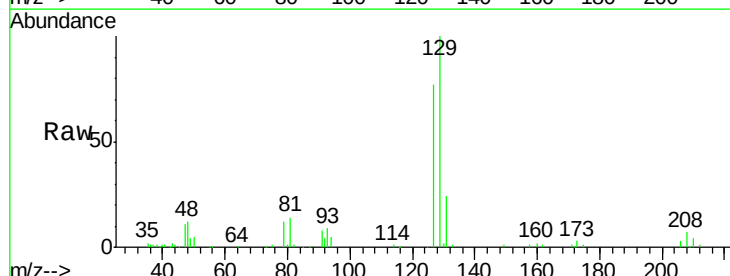
Instrument :
MSVOA_W
ClientSampleId :

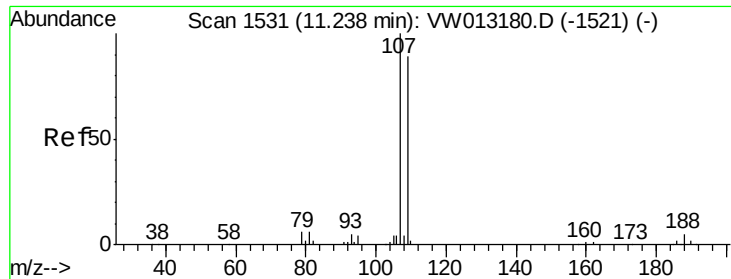
Tot Ion: 43 Resp: 151987
Ion Ratio Lower Upper
43 100
58 55.0 28.1 84.2



#60
Dibromochloromethane
Concen: 20.230 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Tgt Ion: 129 Resp: 47481
Ion Ratio Lower Upper
129 100
127 77.5 38.8 116.4

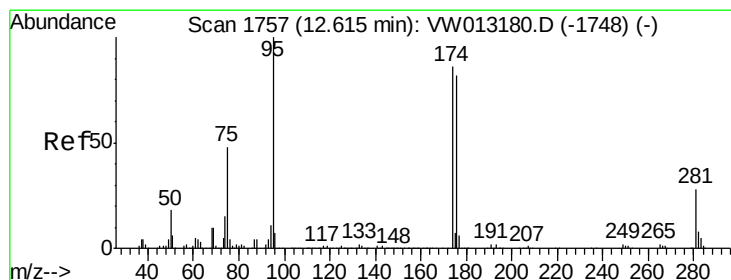
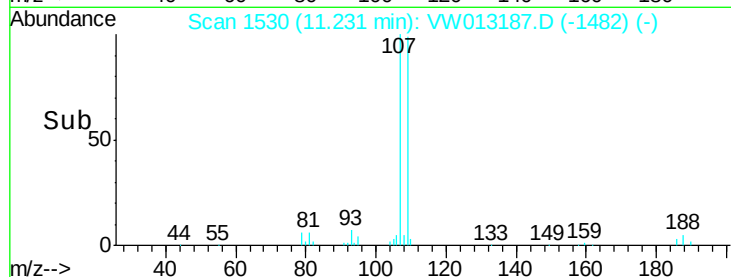
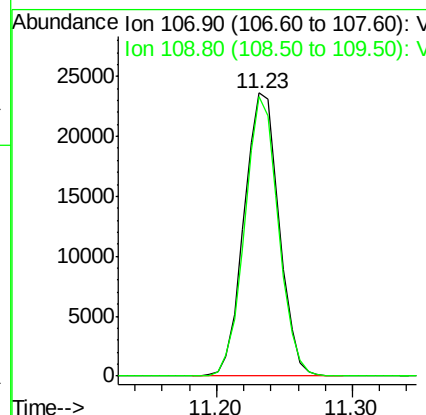
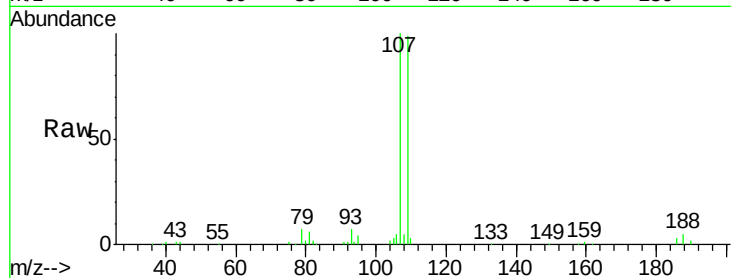




#61
 1,2-Dibromoethane
 Concen: 21.619 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

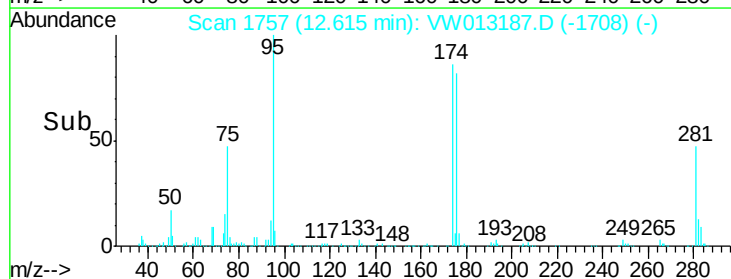
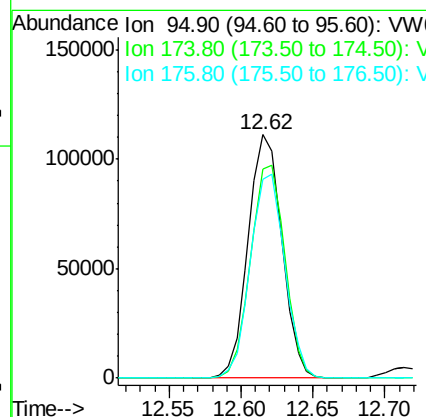
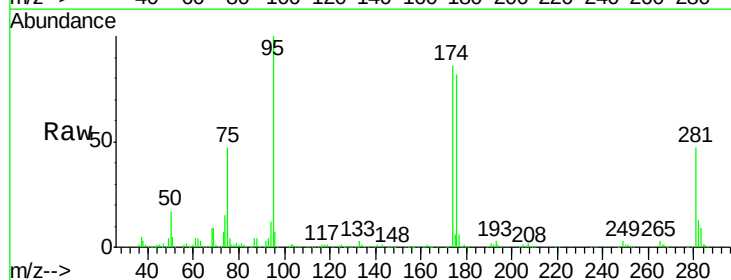
Instrument :
 MSVOA_W
 ClientSampled :

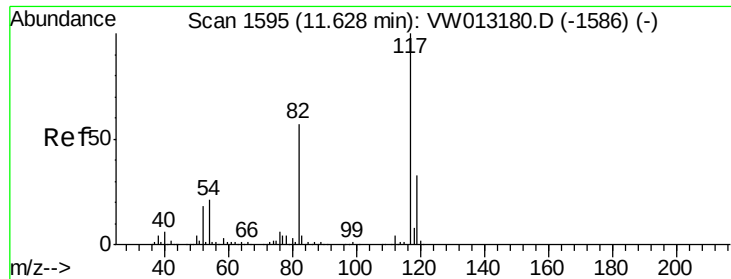
Tot Ion:107 Resp: 42487
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 53.065 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion: 95 Resp: 180184
 Ion Ratio Lower Upper
 95 100
 174 88.9 0.0 178.4
 176 85.6 0.0 172.2

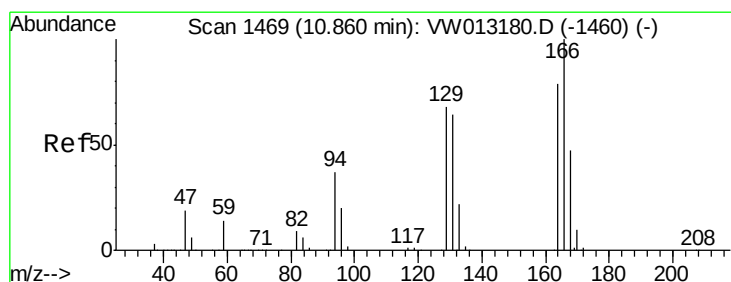
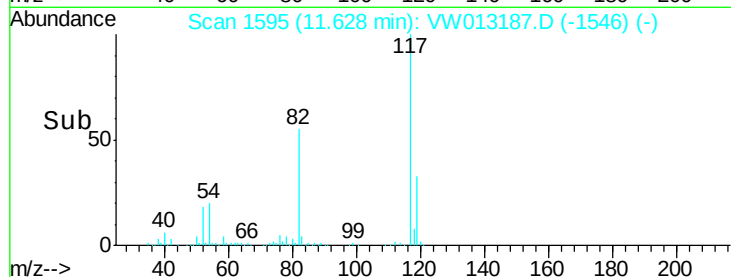
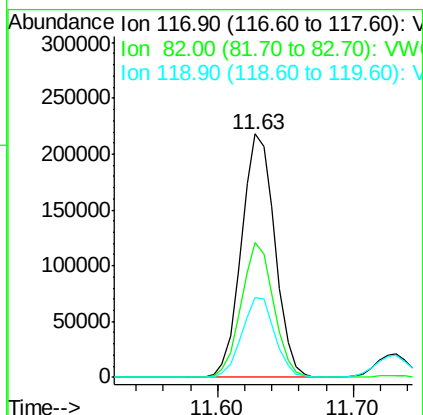
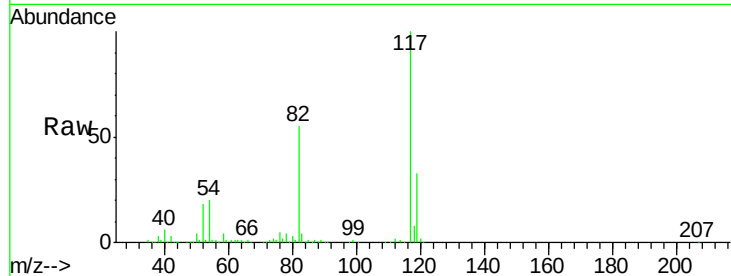




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

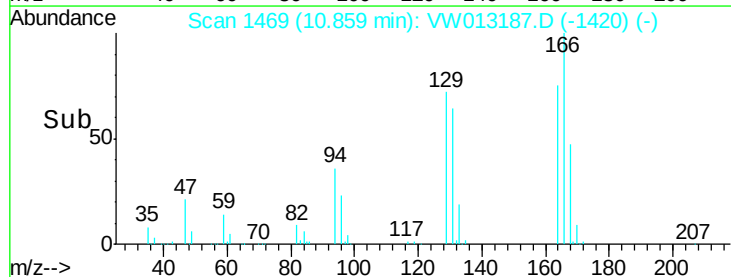
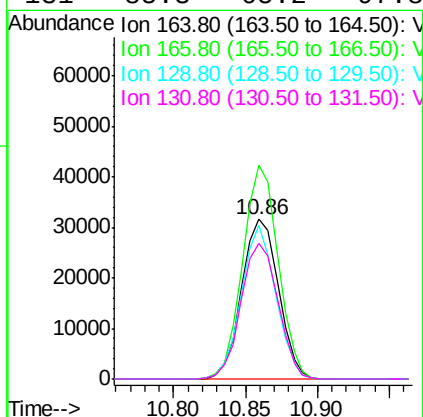
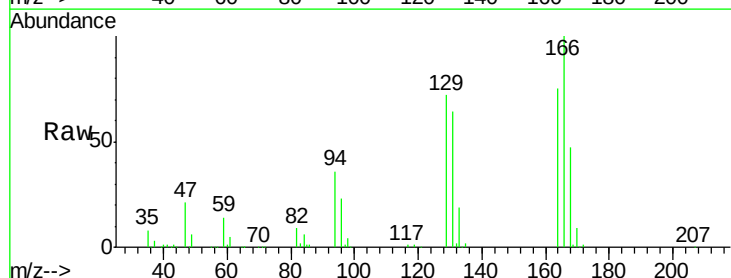
Instrument :
MSVOA_W
ClientSampled :

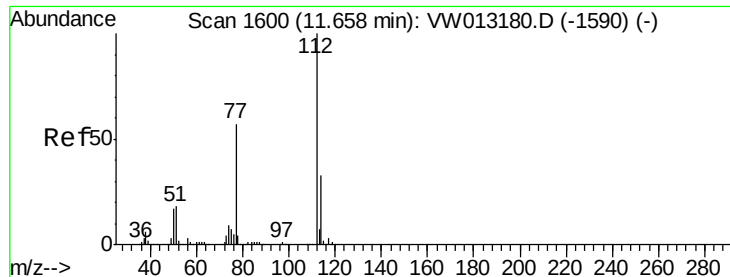
Tot Ion:117 Resp: 373568
Ion Ratio Lower Upper
117 100
82 55.5 45.9 68.9
119 32.7 26.2 39.2



#64
Tetrachloroethene
Concen: 19.790 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Tgt Ion:164 Resp: 56094
Ion Ratio Lower Upper
164 100
166 133.8 101.2 151.8
129 96.4 68.8 103.2
131 85.3 65.2 97.8





#65

Chlorobenzene

Concen: 19.597 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Instrument :

MSVOA_W

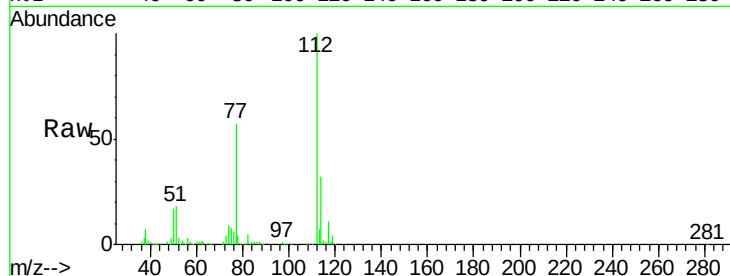
ClientSampled :

Tot Ion:112 Resp: 152873

Ion Ratio Lower Upper

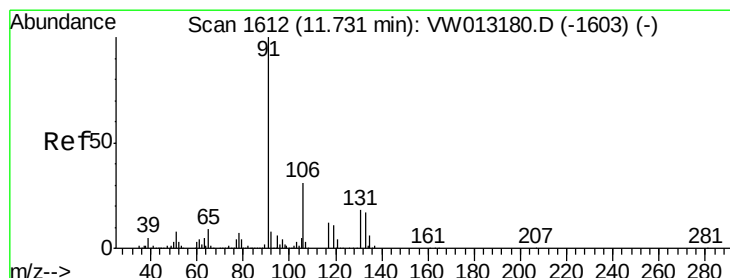
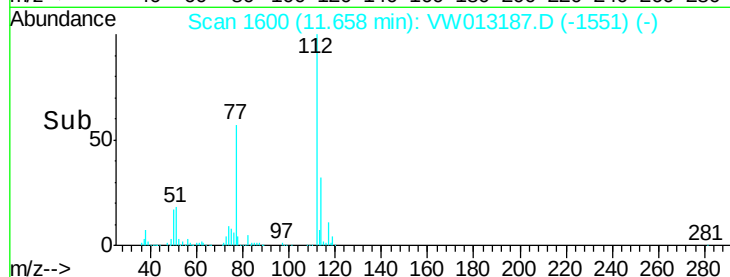
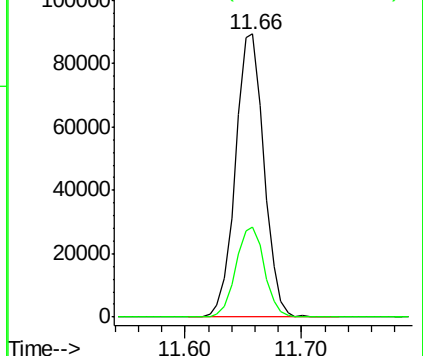
112 100

114 31.8 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: 19.659 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

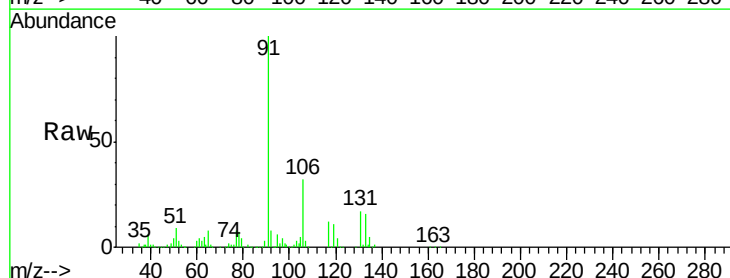
Tgt Ion:131 Resp: 52392

Ion Ratio Lower Upper

131 100

133 94.9 47.5 142.6

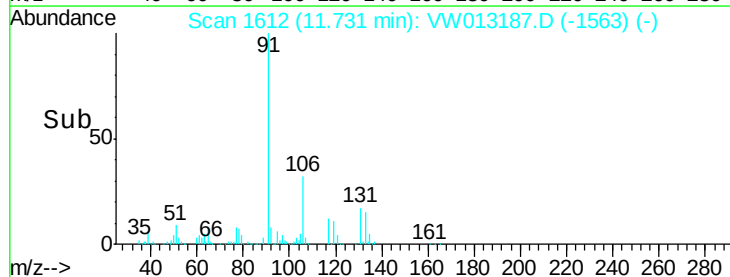
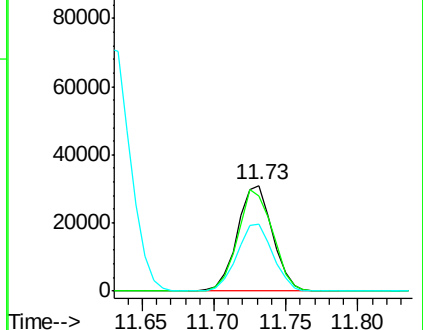
119 65.0 32.5 97.5

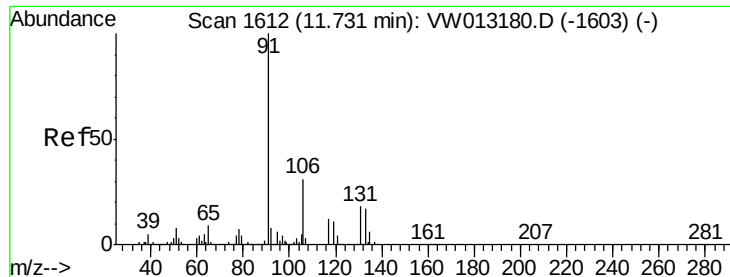


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

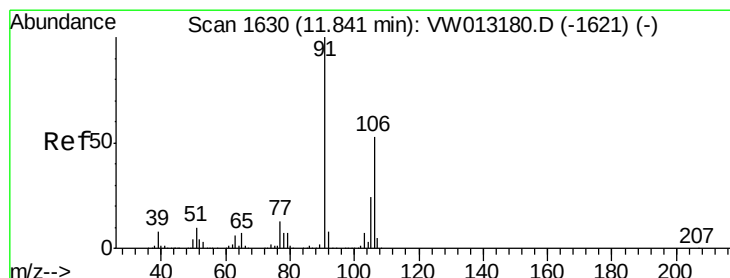
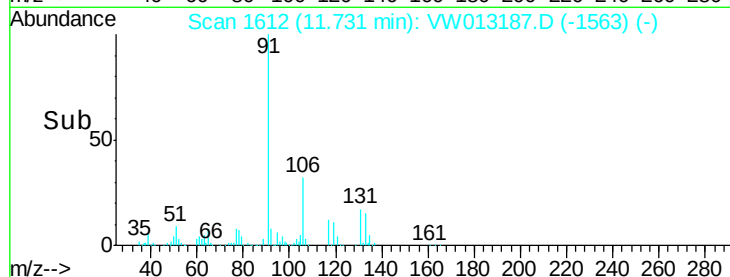
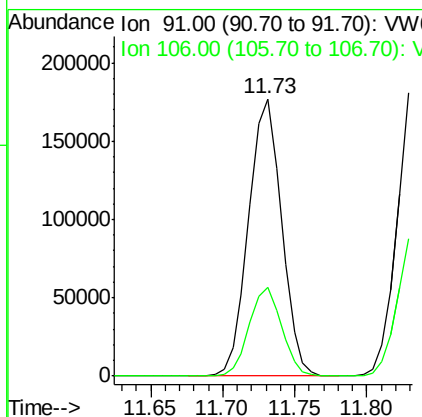
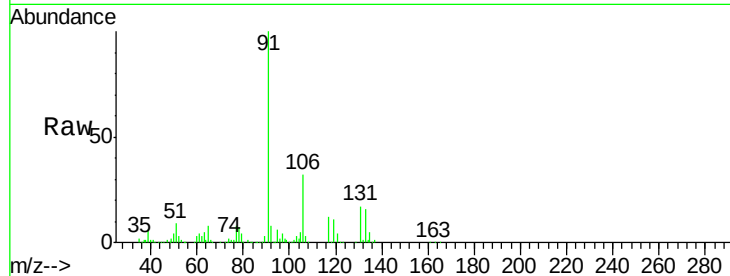




#67
Ethyl Benzene
Concen: 19.822 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

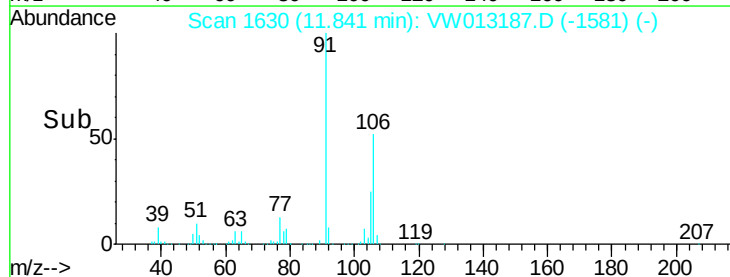
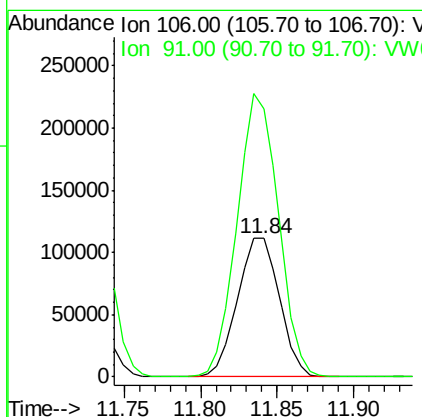
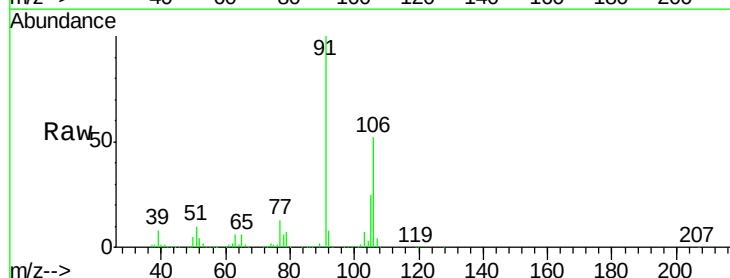
Instrument :
MSVOA_W
ClientSampled :

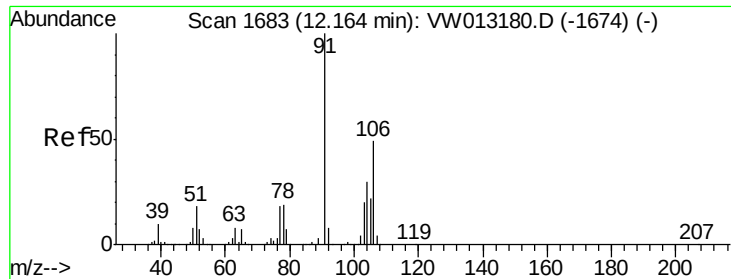
Tot Ion: 91 Resp: 280175
Ion Ratio Lower Upper
91 100
106 31.9 24.9 37.3



#68
m/p-Xylenes
Concen: 39.613 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Tgt Ion: 106 Resp: 213355
Ion Ratio Lower Upper
106 100
91 200.3 157.9 236.9

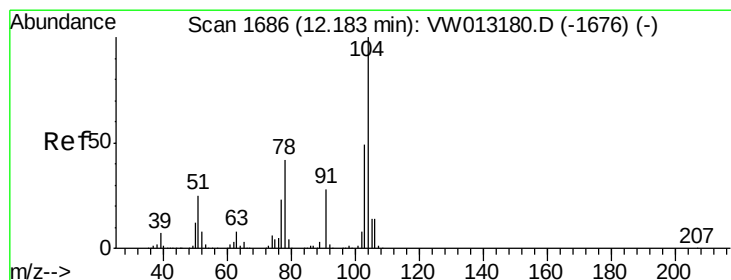
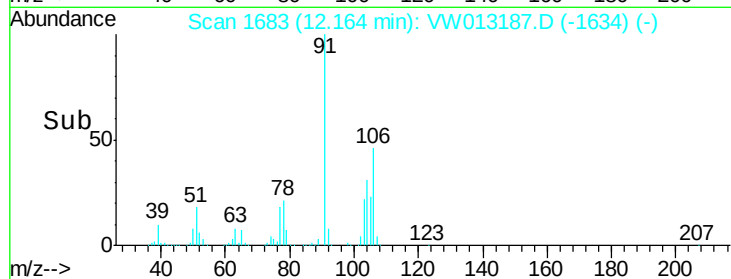
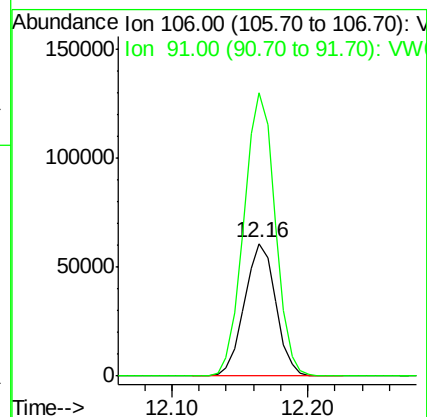
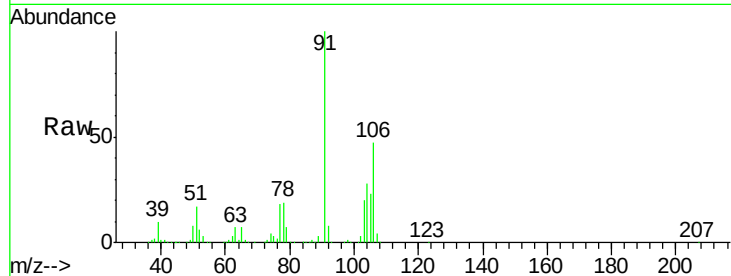




#69
o-Xylene
Concen: 19.632 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

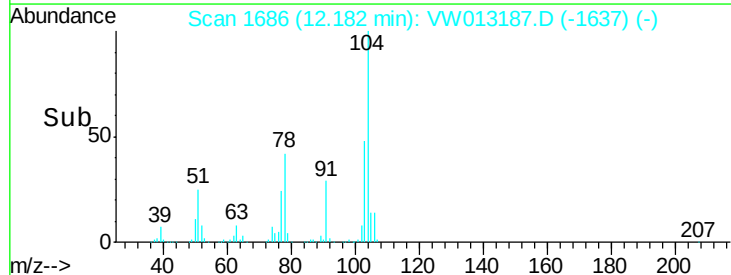
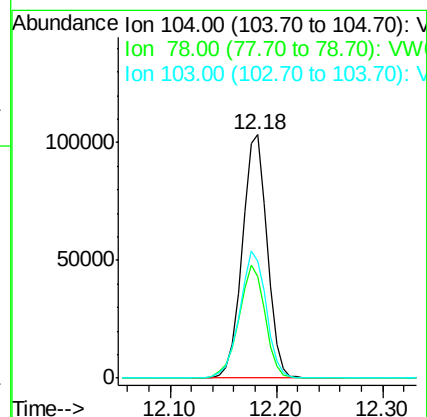
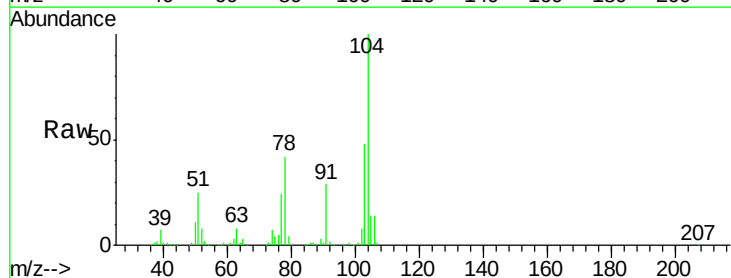
Instrument :
MSVOA_W
ClientSampled :

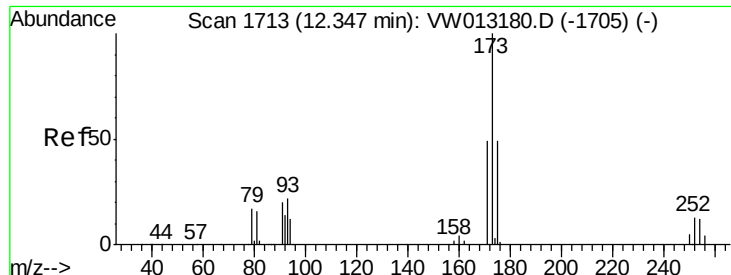
Tot Ion:106 Resp: 98306
Ion Ratio Lower Upper
106 100
91 212.9 106.5 319.5



#70
Styrene
Concen: 19.703 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Tgt Ion:104 Resp: 169388
Ion Ratio Lower Upper
104 100
78 49.0 38.4 57.6
103 55.5 43.3 64.9





#71

Bromoform

Concen: 20.895 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Instrument :

MSVOA_W

ClientSampled :

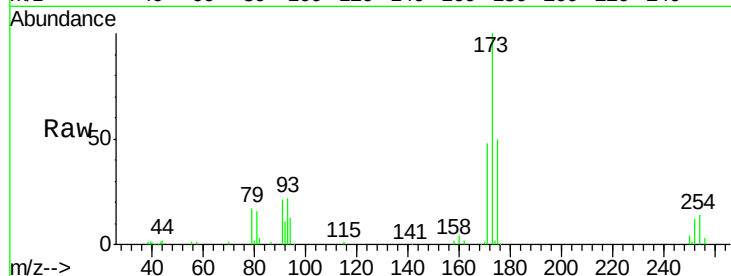
Tot Ion:173 Resp: 29419

Ion Ratio Lower Upper

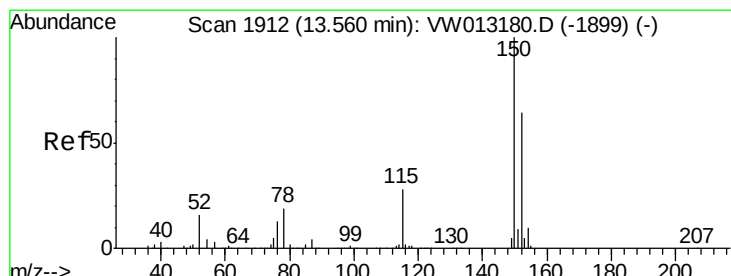
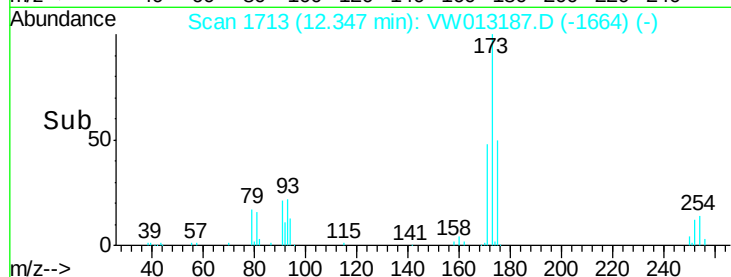
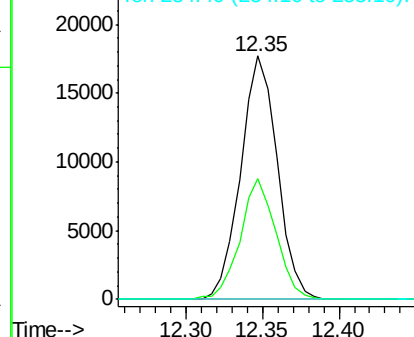
173 100

175 48.3 24.3 73.0

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

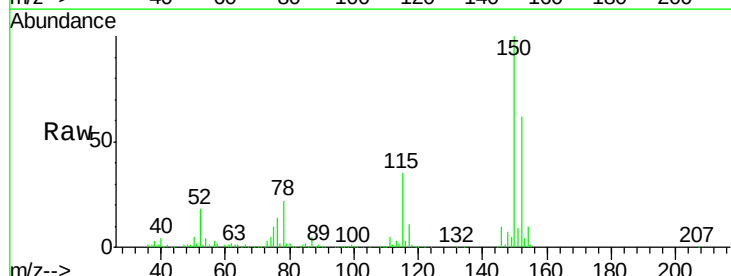
Tgt Ion:152 Resp: 194718

Ion Ratio Lower Upper

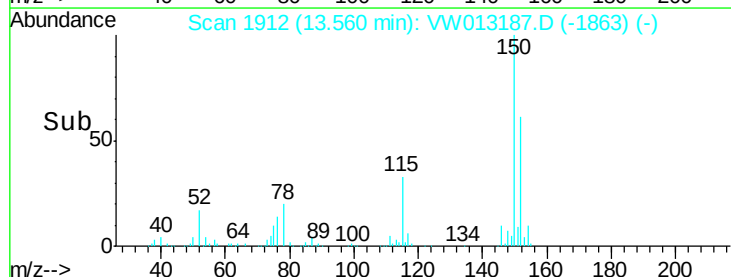
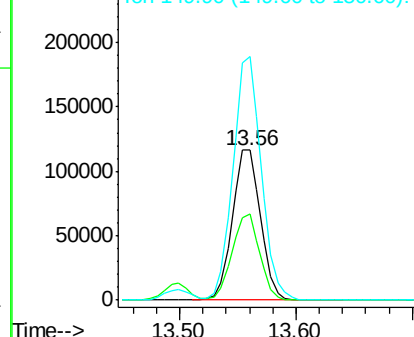
152 100

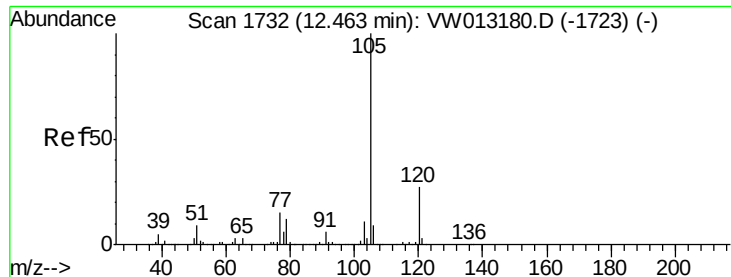
115 55.9 27.3 81.9

150 163.6 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: 19.497 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Instrument :

MSVOA_W

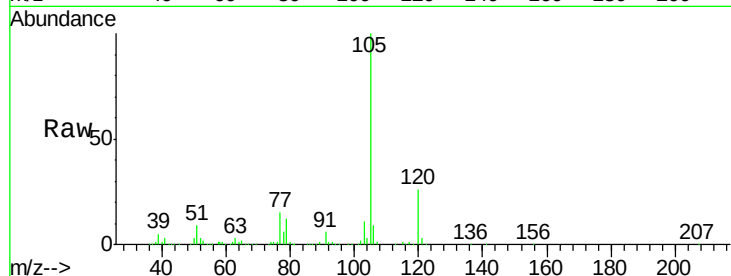
ClientSampled :

Tot Ion:105 Resp: 280448

Ion Ratio Lower Upper

105 100

120 26.8 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

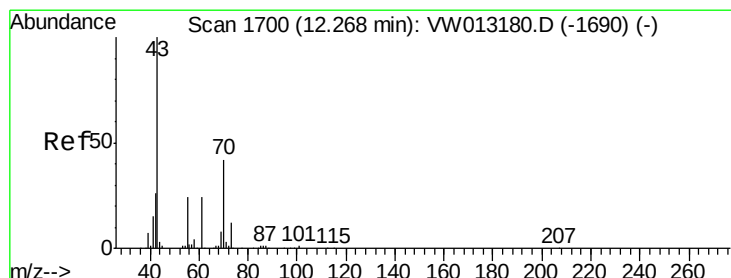
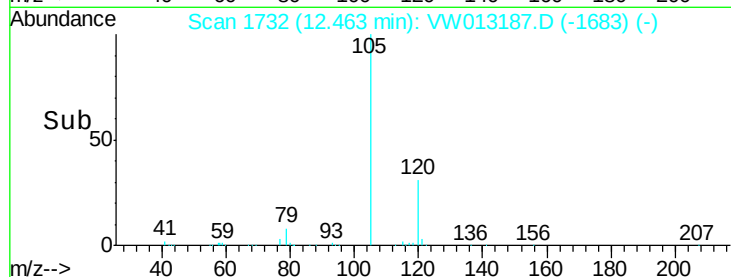
100000

50000

0

Time-->

12.40 12.50



#74

N-ethyl acetate

Concen: 22.801 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Tgt Ion: 43 Resp: 72776

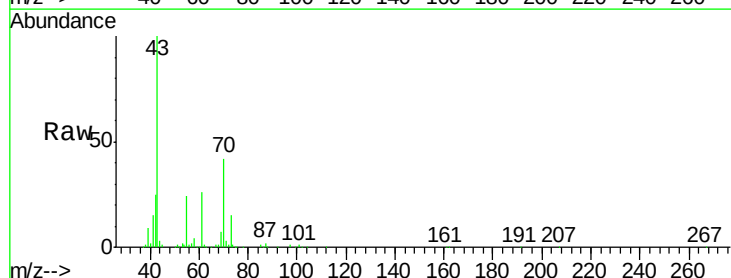
Ion Ratio Lower Upper

43 100

70 42.5 35.1 52.7

55 24.8 19.9 29.9

61 25.5 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

60000

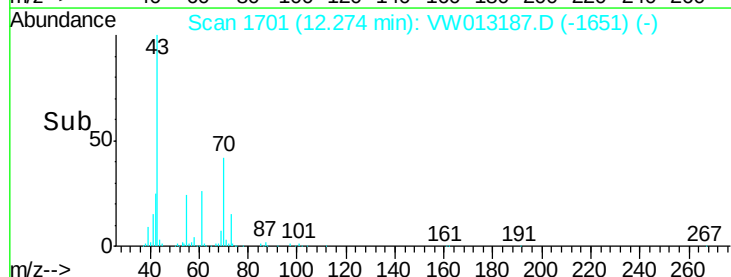
40000

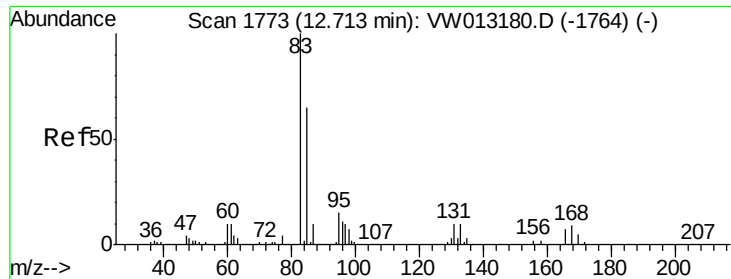
20000

0

Time-->

12.20 12.25 12.30 12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 22.226 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Instrument :

MSVOA_W

ClientSampleId :

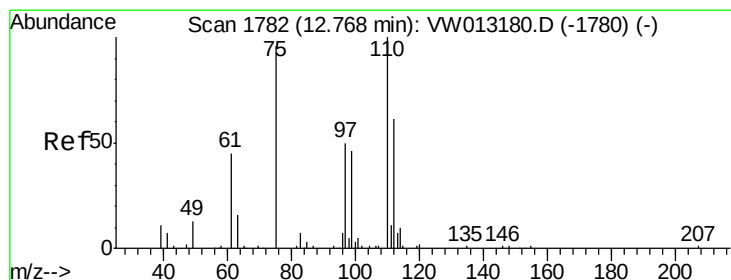
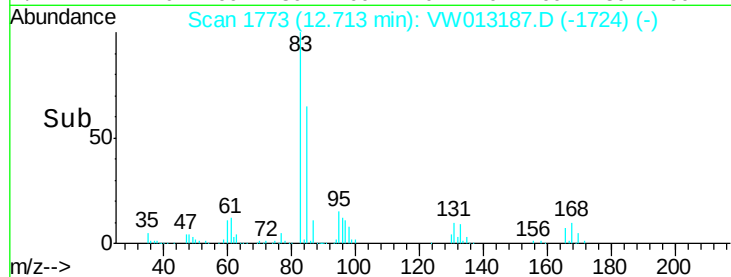
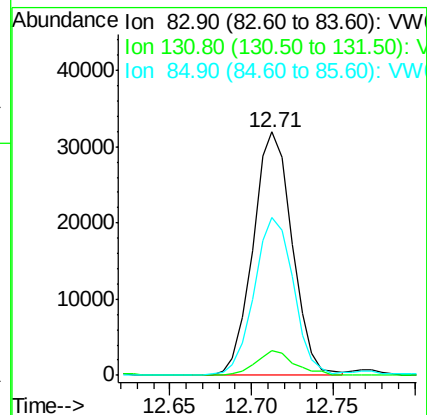
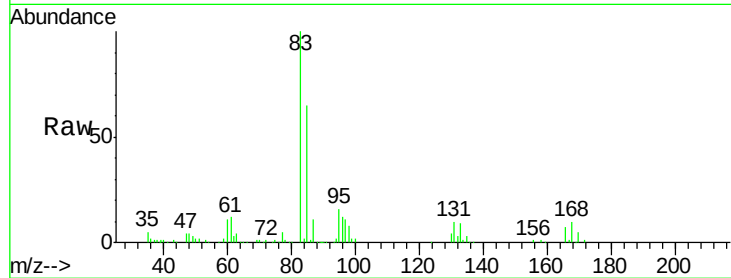
Tot Ion: 83 Resp: 53467

Ion Ratio Lower Upper

83 100

131 10.1 5.4 16.2

85 65.2 31.9 95.9



#76

1,2,3-Trichloropropane

Concen: 39.491 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013187.D

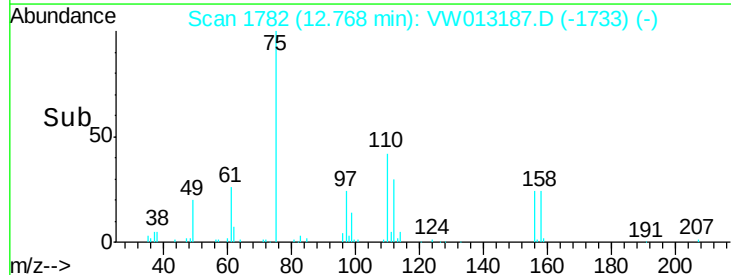
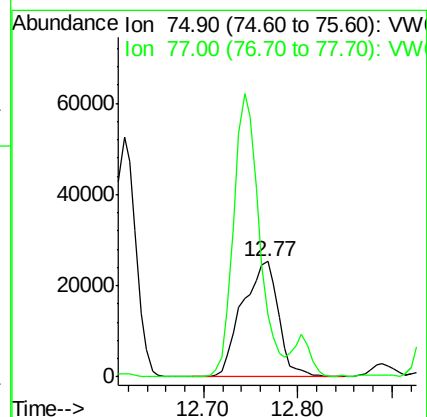
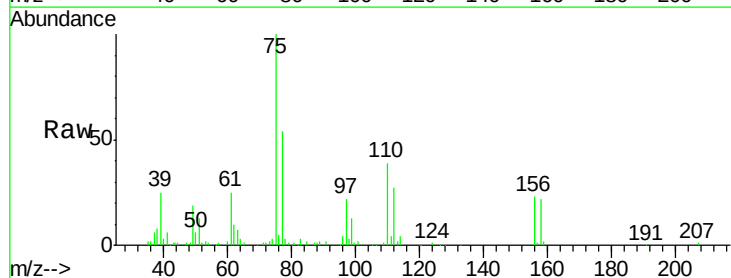
Acq: 20 Sep 2019 17:33

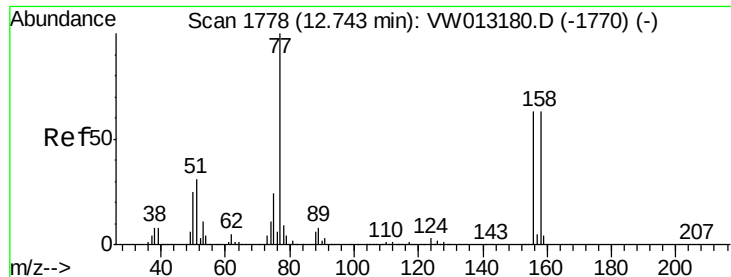
Tgt Ion: 75 Resp: 67910

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.225 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Instrument :

MSVOA_W

ClientSampled :

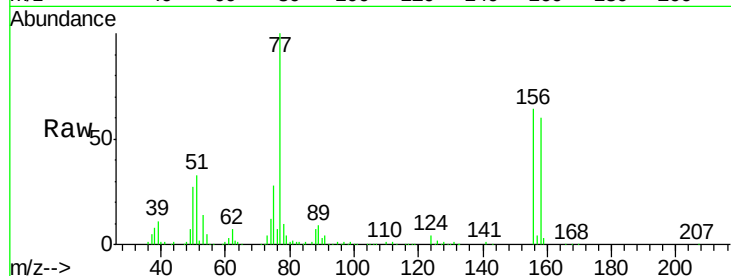
Tot Ion:156 Resp: 65530

Ion Ratio Lower Upper

156 100

77 180.9 85.7 257.1

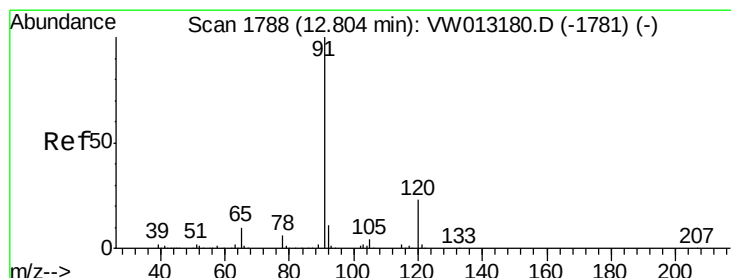
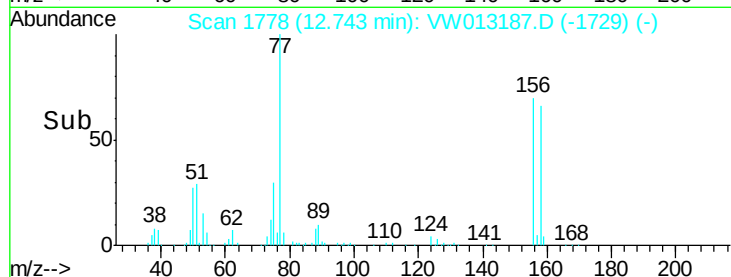
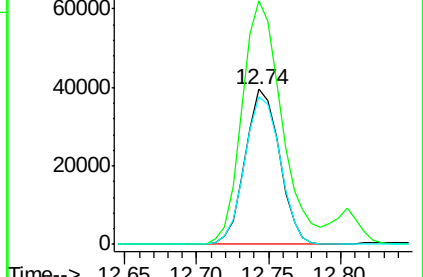
158 98.0 48.1 144.4



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: 19.562 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013187.D

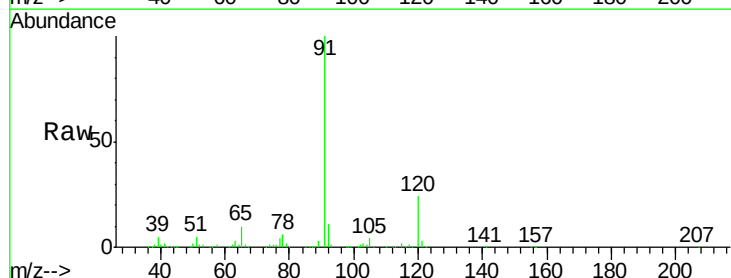
Acq: 20 Sep 2019 17:33

Tgt Ion: 91 Resp: 329362

Ion Ratio Lower Upper

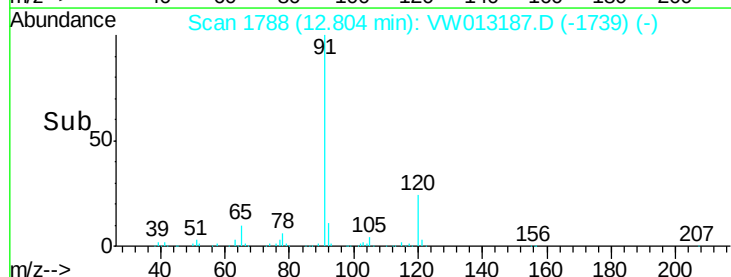
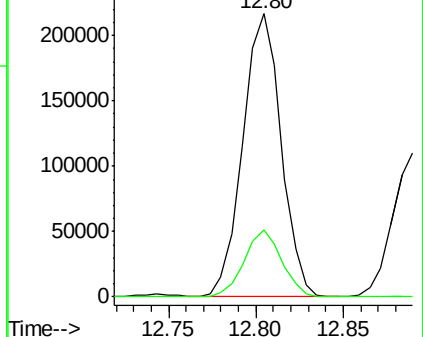
91 100

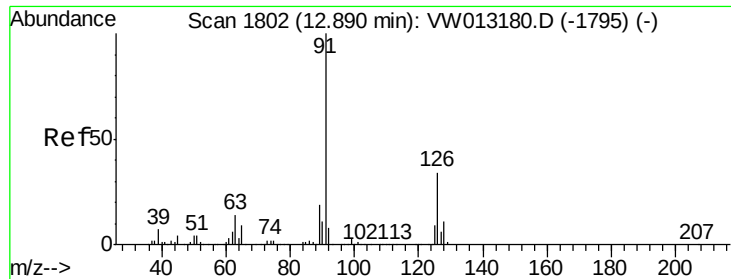
120 23.3 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.513 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Instrument :

MSVOA_W

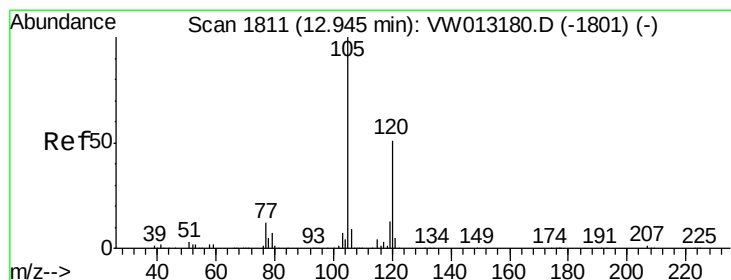
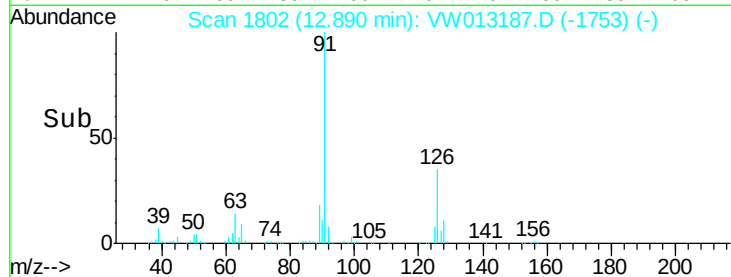
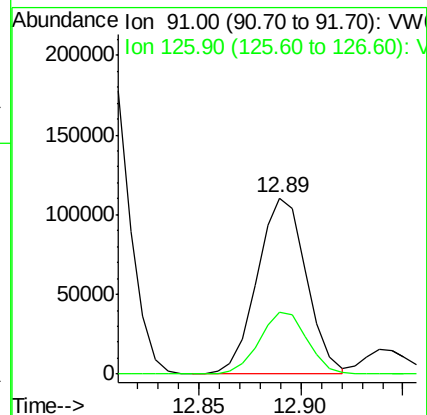
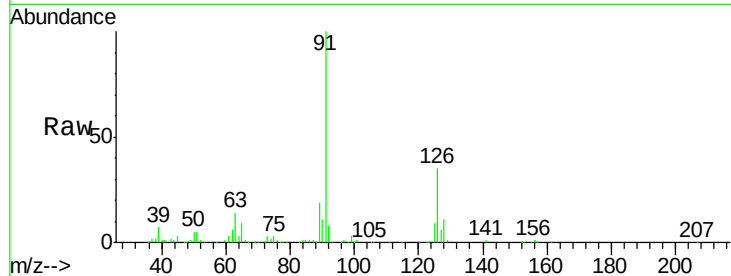
ClientSampleId :

Tot Ion: 91 Resp: 184057

Ion Ratio Lower Upper

91 100

126 34.7 17.2 51.5



#80

1,3,5-Trimethylbenzene

Concen: 19.637 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013187.D

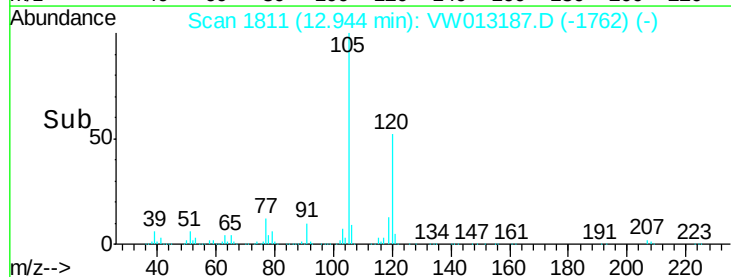
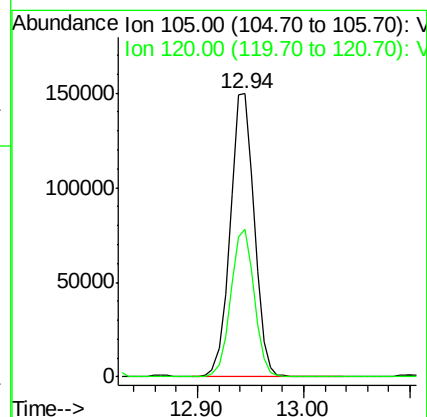
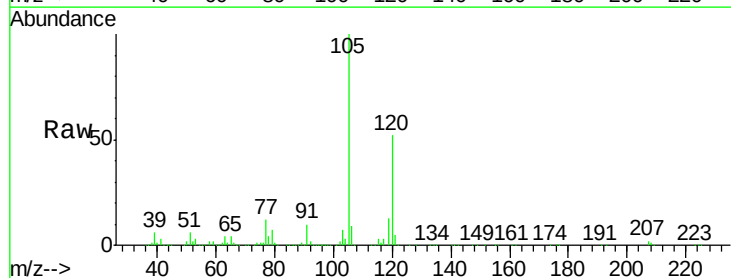
Acq: 20 Sep 2019 17:33

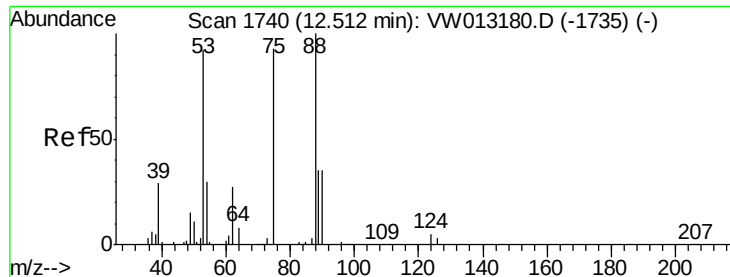
Tgt Ion: 105 Resp: 237434

Ion Ratio Lower Upper

105 100

120 50.8 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 21.997 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Instrument :

MSVOA_W

ClientSampleId :

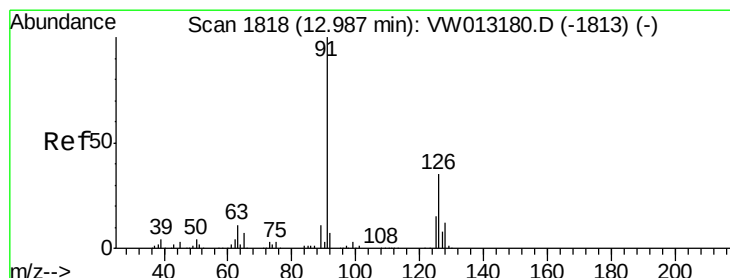
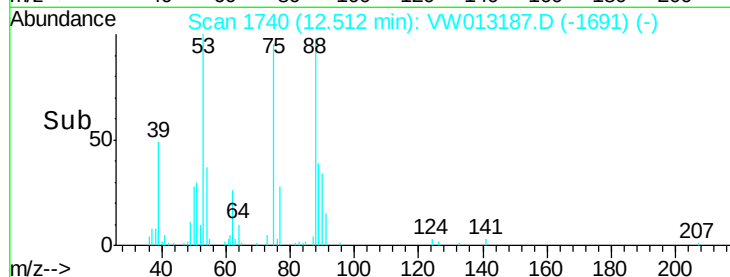
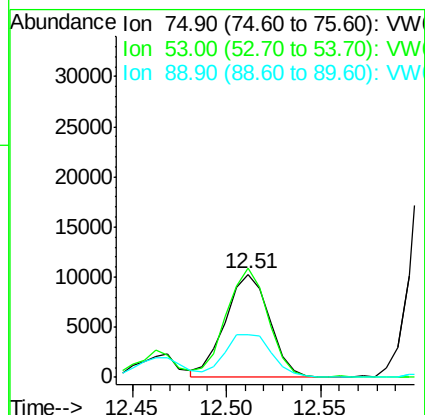
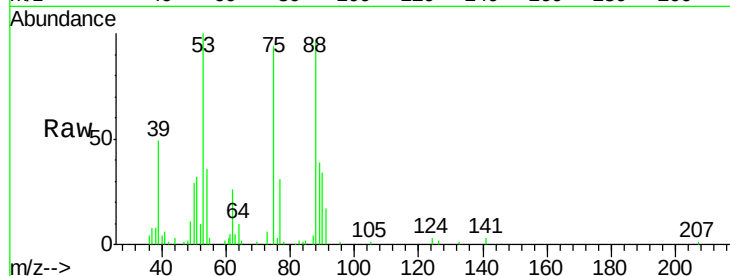
Tot Ion: 75 Resp: 16857

Ion Ratio Lower Upper

75 100

53 98.5 76.6 114.8

89 43.5 33.5 50.3



#82

4-Chlorotoluene

Concen: 19.440 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW013187.D

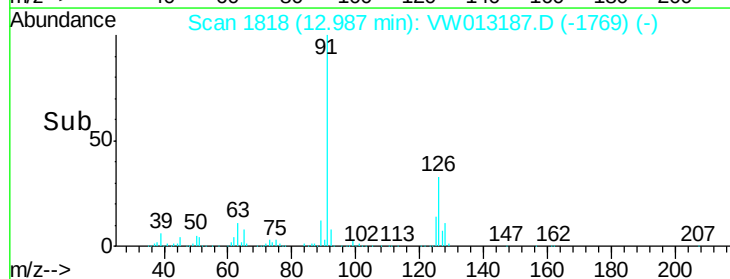
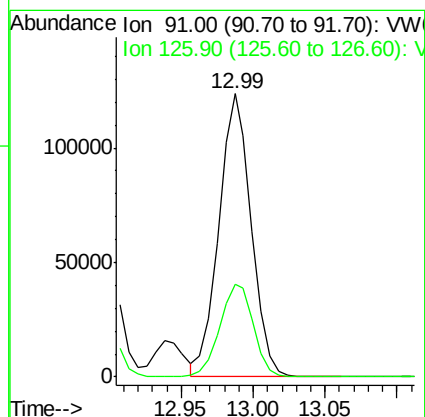
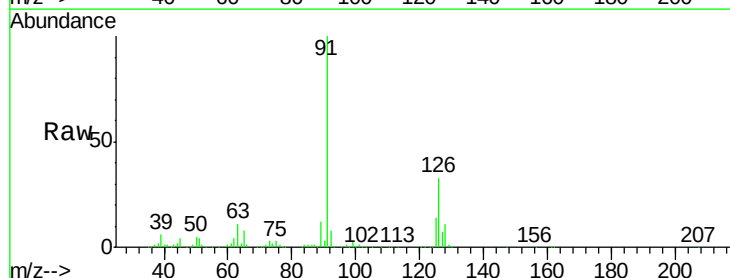
Acq: 20 Sep 2019 17:33

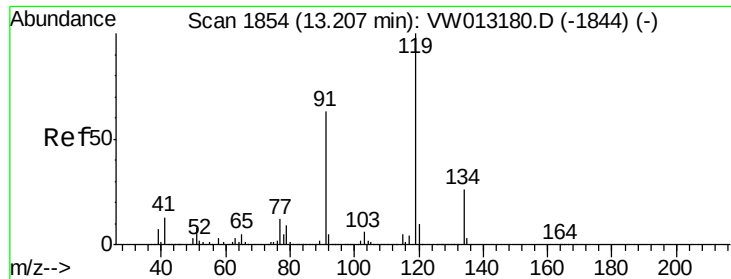
Tgt Ion: 91 Resp: 193368

Ion Ratio Lower Upper

91 100

126 34.2 17.3 51.7

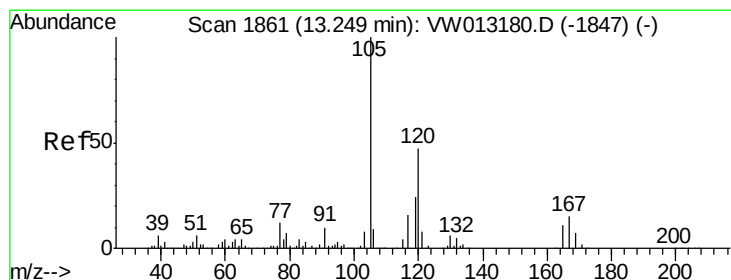
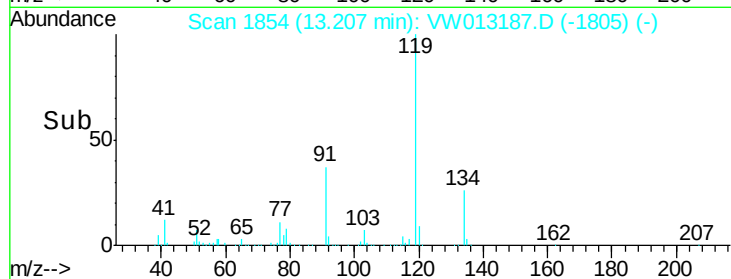
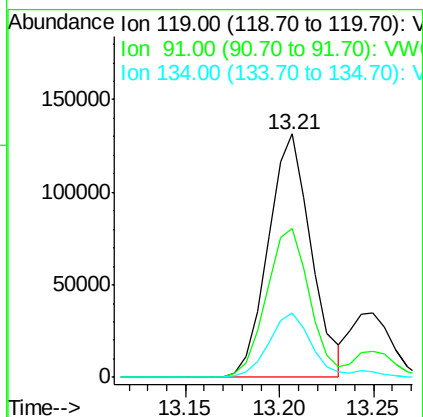
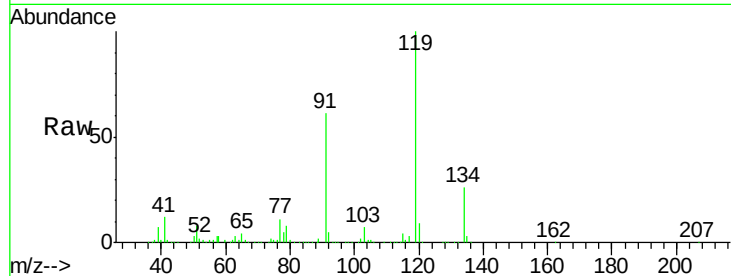




#83
 tert-Butylbenzene
 Concen: 19.598 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

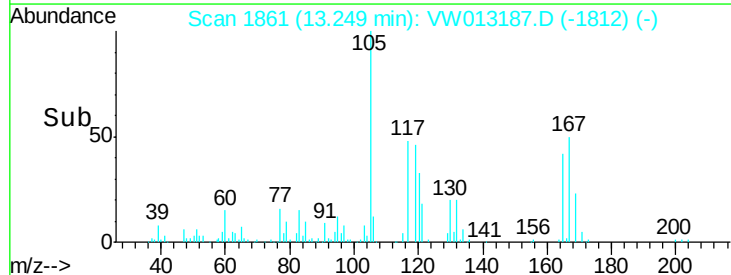
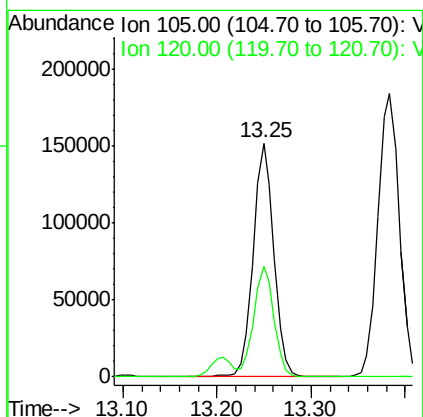
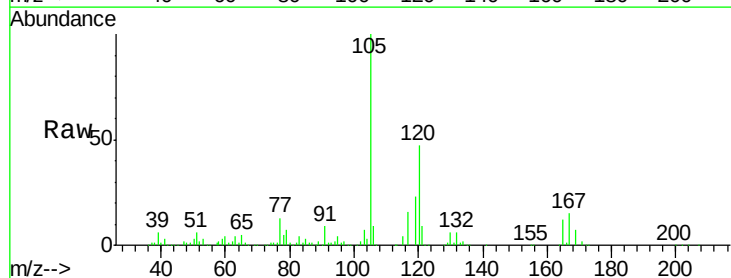
Instrument :
 MSVOA_W
 ClientSampleId :

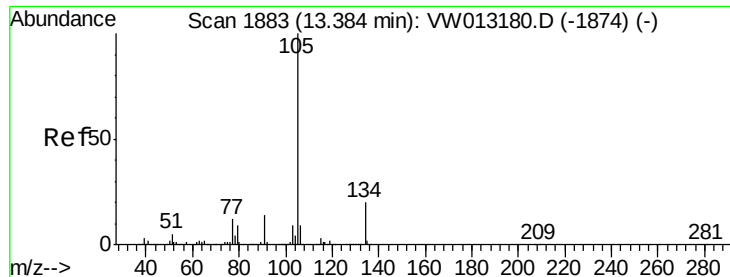
Tot Ion:119 Resp: 207985
 Ion Ratio Lower Upper
 119 100
 91 61.4 30.7 92.1
 134 26.0 12.6 37.6



#84
 1,2,4-Trimethylbenzene
 Concen: 19.550 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion:105 Resp: 235228
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.4 70.3





#85

sec-Butylbenzene

Concen: 19.877 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Instrument :

MSVOA_W

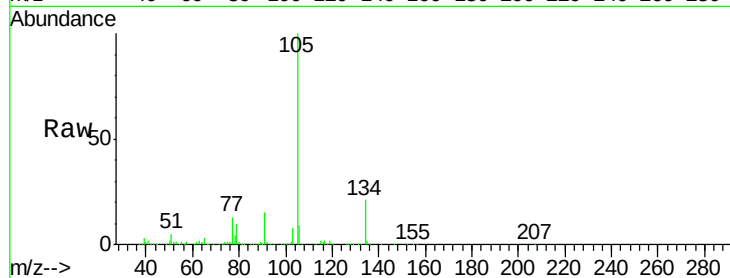
ClientSampled :

Tot Ion:105 Resp: 290834

Ion Ratio Lower Upper

105 100

134 19.9 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

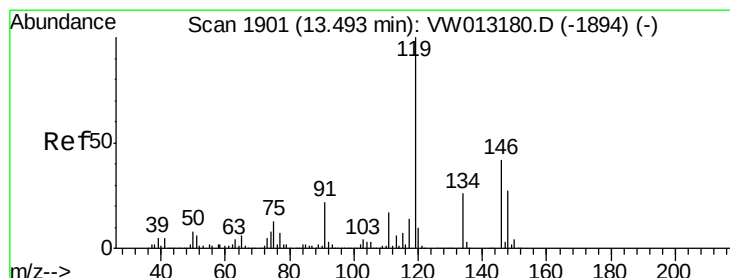
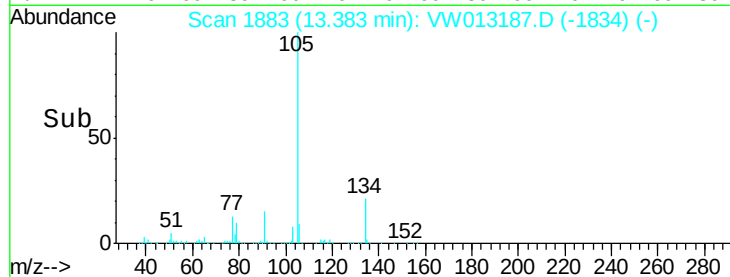
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.738 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.01 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

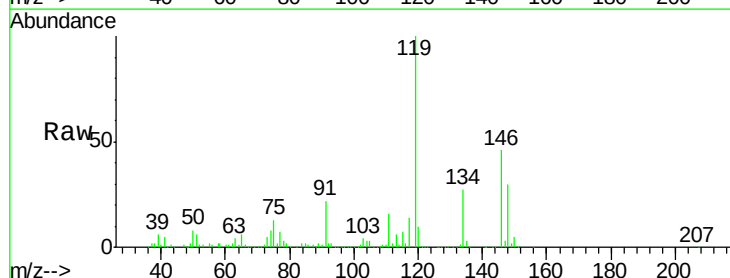
Tgt Ion:119 Resp: 267857

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.8

91 22.0 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

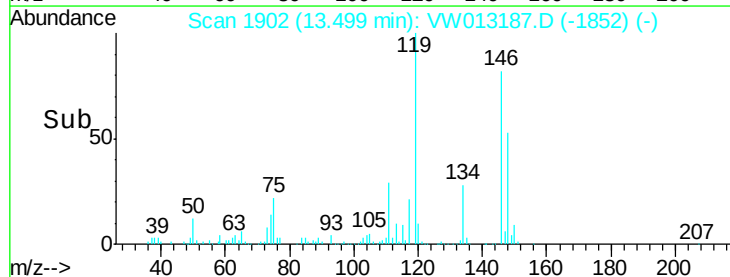
150000

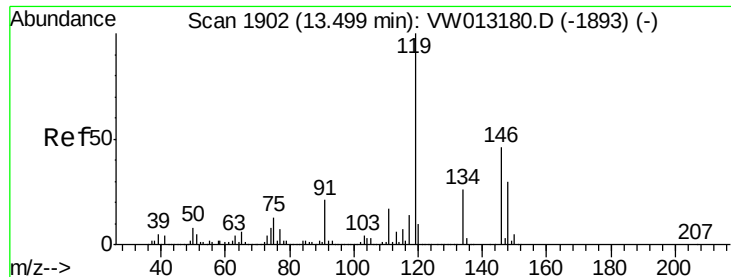
100000

50000

0

Time-->

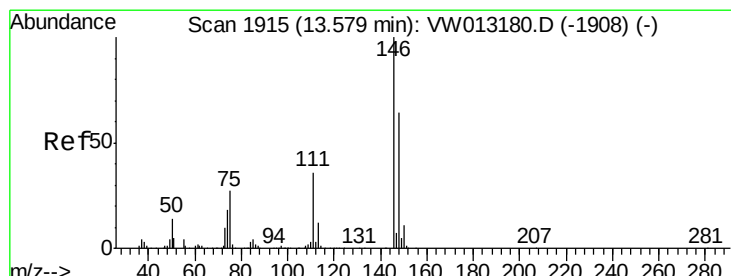
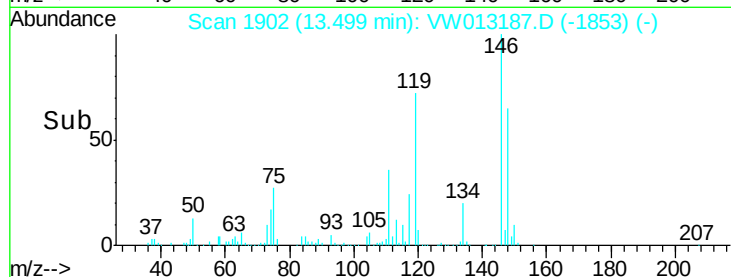
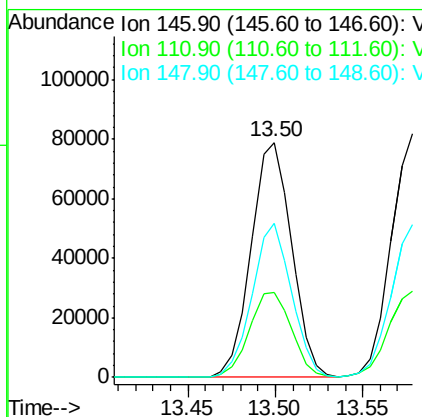
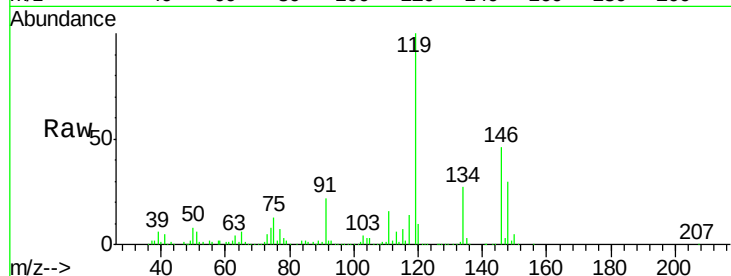




#87
 1,3-Dichlorobenzene
 Concen: 19.373 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

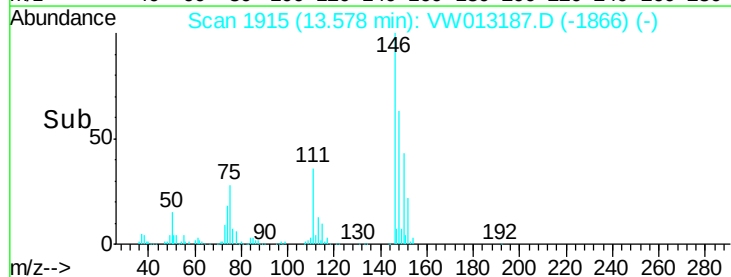
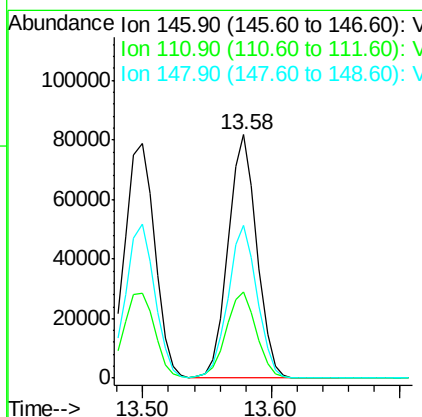
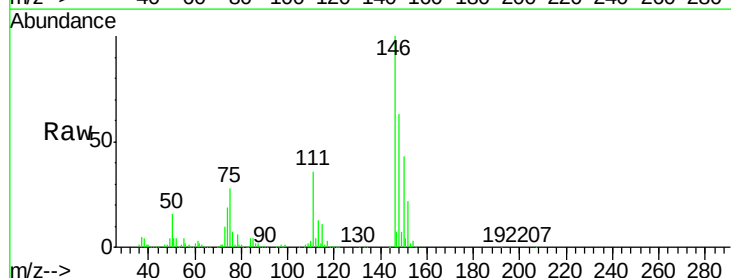
Instrument :
 MSVOA_W
 ClientSampleId :

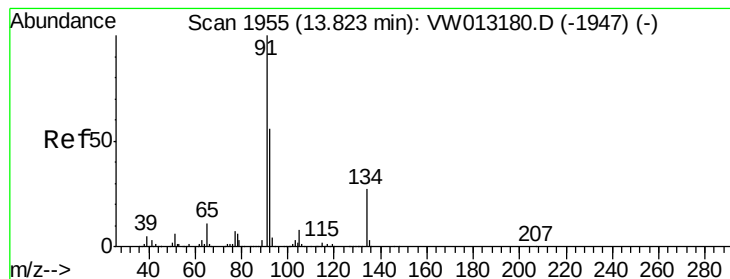
Tot Ion:146 Resp: 127087
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.9 56.9
 148 63.8 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 19.787 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion:146 Resp: 127304
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.4 55.0
 148 63.8 32.1 96.3





#89

n-Butylbenzene

Concen: 19.829 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Instrument :

MSVOA_W

ClientSampled :

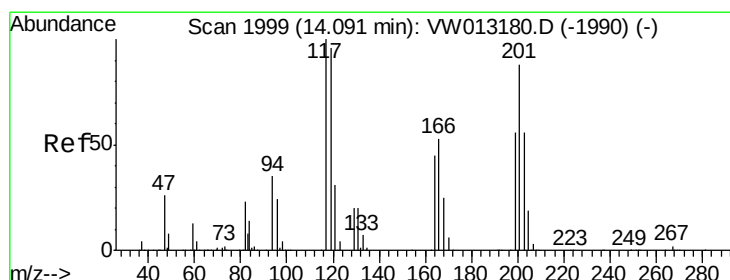
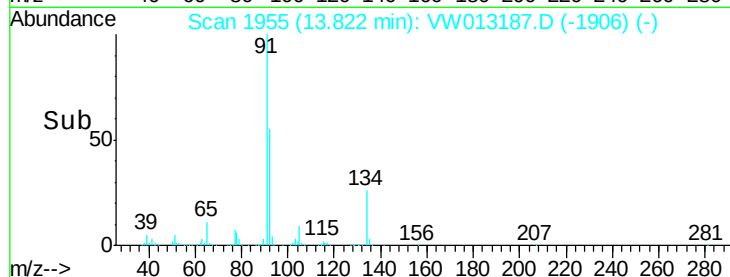
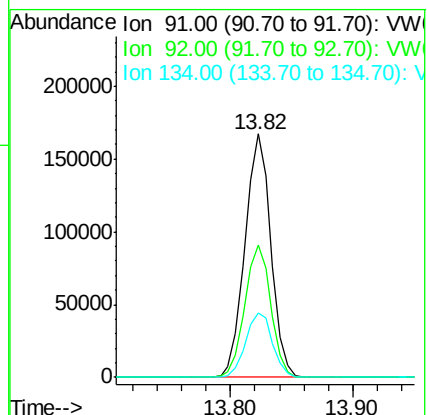
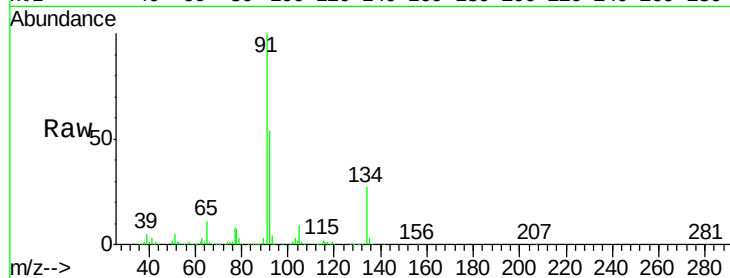
Tot Ion: 91 Resp: 245717

Ion Ratio Lower Upper

91 100

92 54.4 27.6 82.8

134 27.4 13.7 41.1



#90

Hexachloroethane

Concen: 18.968 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013187.D

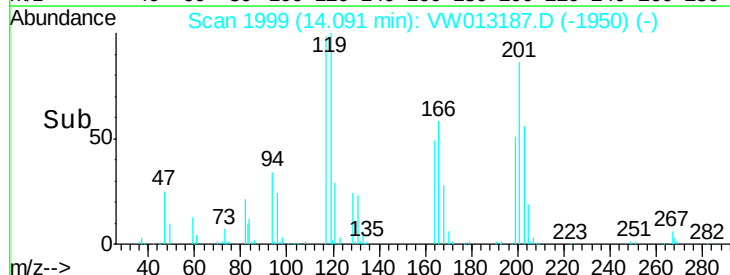
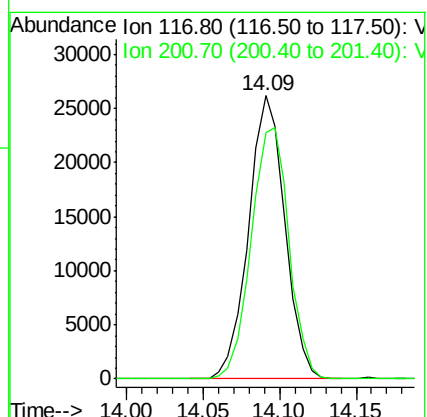
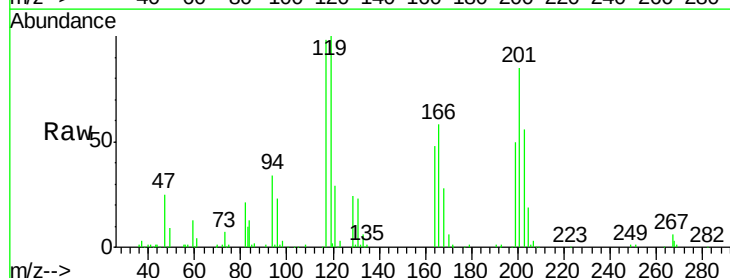
Acq: 20 Sep 2019 17:33

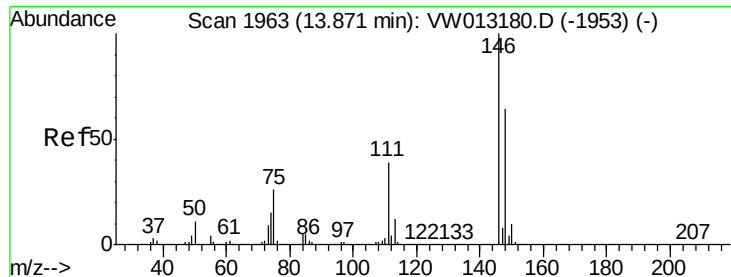
Tgt Ion: 117 Resp: 43242

Ion Ratio Lower Upper

117 100

201 92.2 44.5 133.5

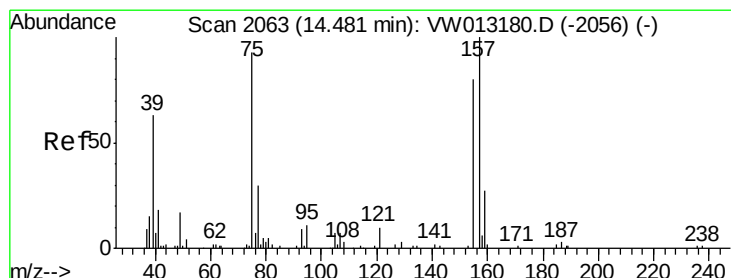
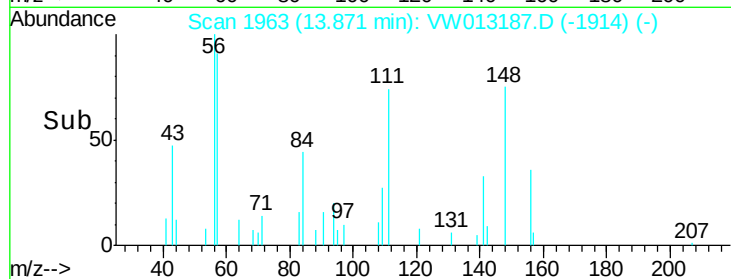
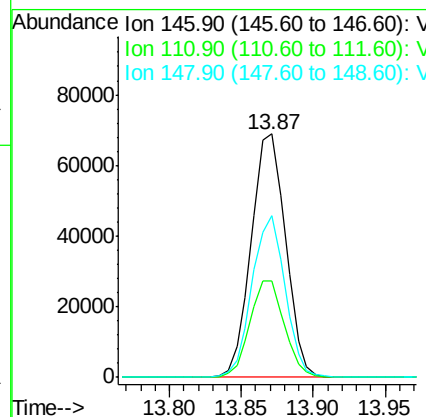
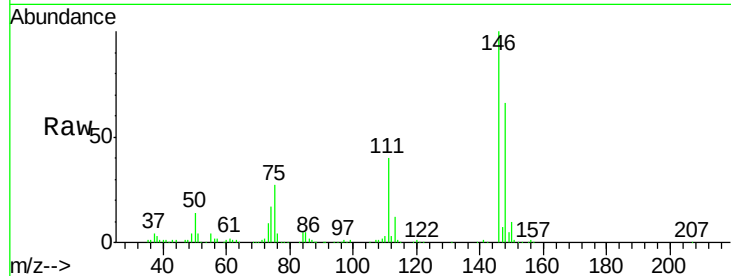




#91
 1,2-Dichlorobenzene
 Concen: 20.069 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

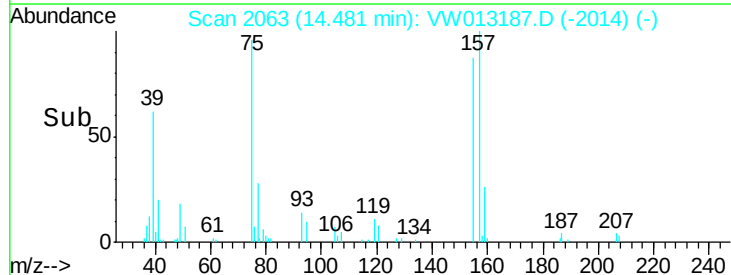
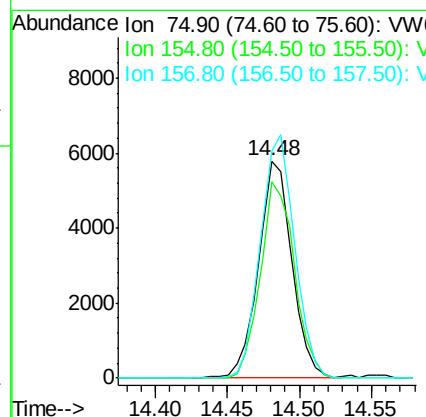
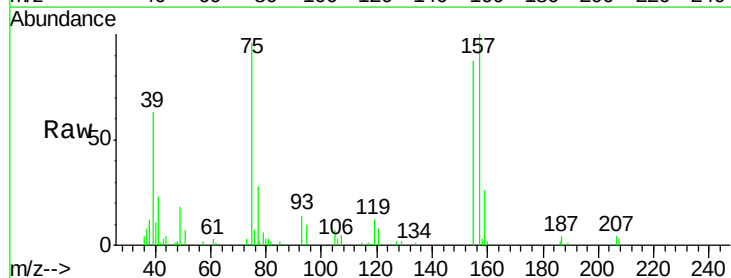
Instrument :
 MSVOA_W
 ClientSampleId :

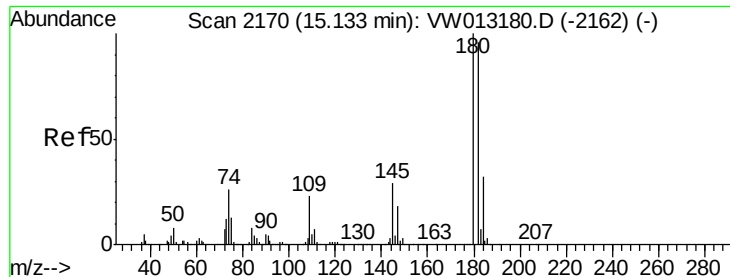
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.1	60.3
148	63.6	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 25.272 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.6	46.1	138.3
157	114.1	60.4	181.2





#93

1,2,4-Trichlorobenzene

Concen: 20.067 ug/l

RT: 15.13 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Instrument :

MSVOA_W

ClientSampleId :

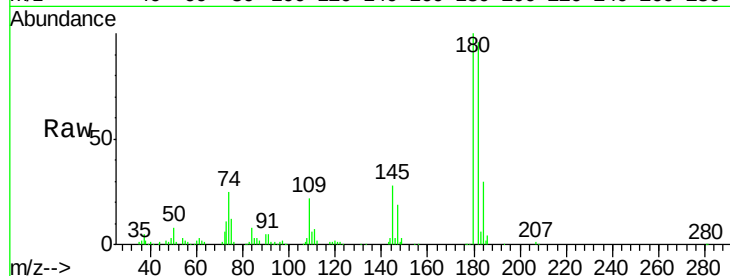
Tot Ion:180 Resp: 81608

Ion Ratio Lower Upper

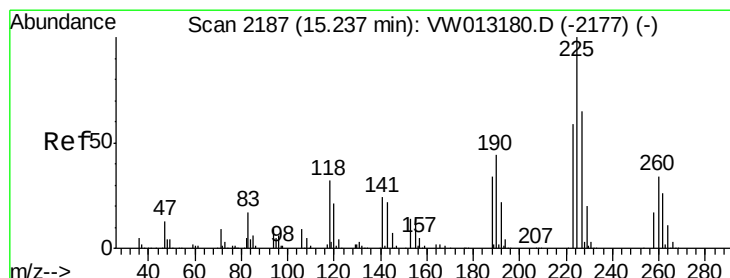
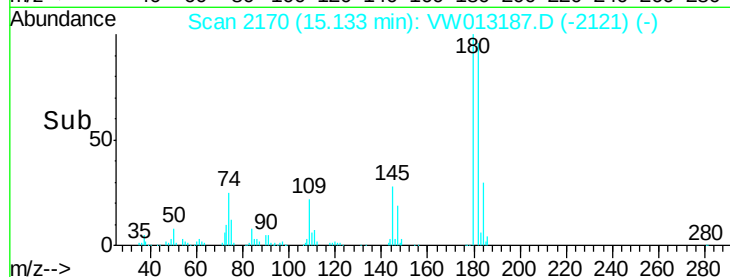
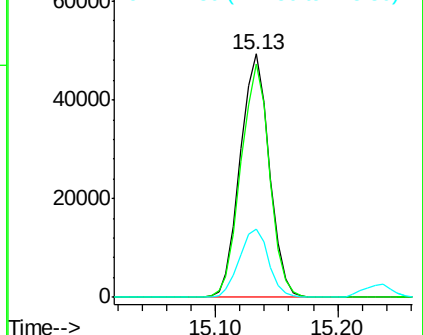
180 100

182 94.2 47.3 142.0

145 28.3 14.2 42.8



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



#94

Hexachlorobutadiene

Concen: 19.503 ug/l

RT: 15.24 min Scan# 2187

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

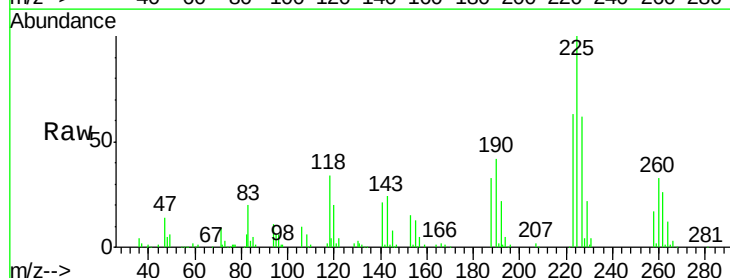
Tgt Ion:225 Resp: 54262

Ion Ratio Lower Upper

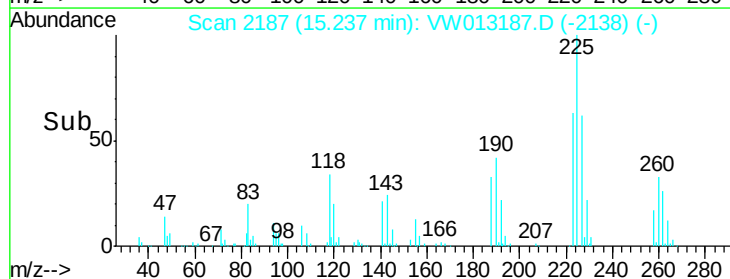
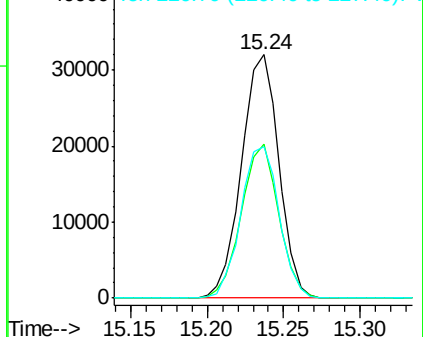
225 100

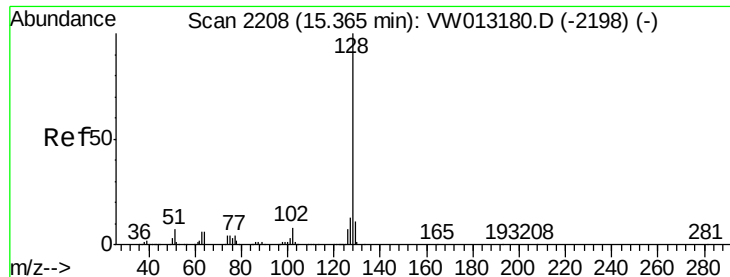
223 63.4 30.6 91.8

227 64.1 31.9 95.9



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

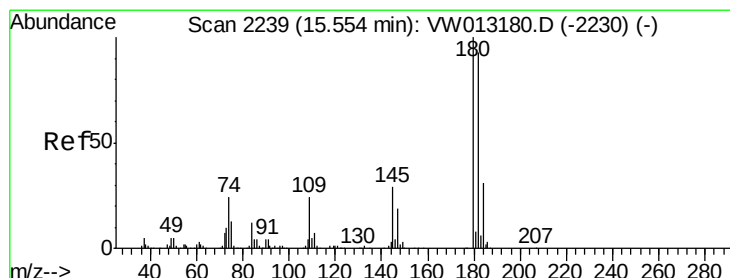
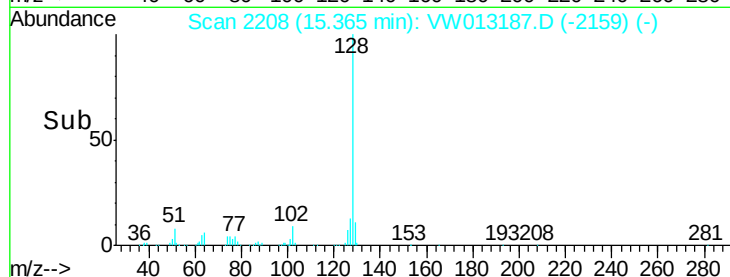
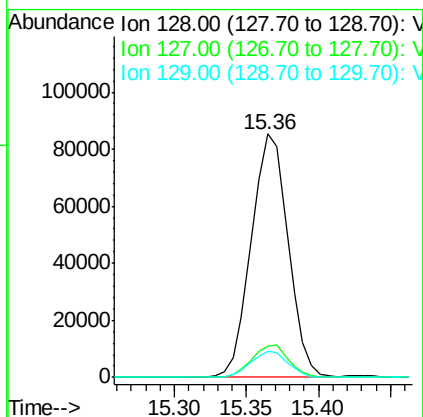
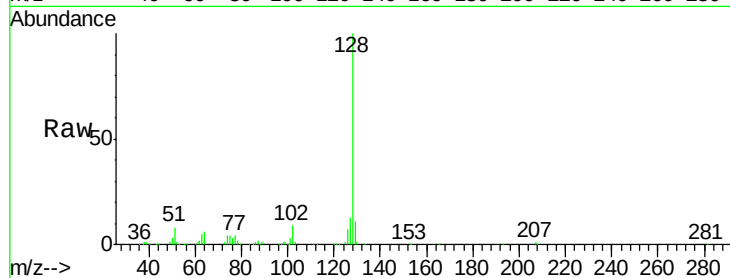




#95
Naphthalene
Concen: 22.699 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:128 Resp: 150976
Ion Ratio Lower Upper
128 100
127 13.5 10.6 15.8
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.413 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Tgt Ion:180 Resp: 71730
Ion Ratio Lower Upper
180 100
182 95.0 47.9 143.7
145 30.5 15.0 45.0

