

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092319\
 Data File : VW013243.D
 Acq On : 23 Sep 2019 20:49
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 24 06:42:31 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	338603	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	503170	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	444404	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	227480	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	140848	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
35) Dibromofluoromethane	7.88	113	141516	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
50) Toluene-d8	10.32	98	574237	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.62	95	204019	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.01	85	89871	46.012	ug/l 98
3) Chloromethane	2.21	50	114927	45.774	ug/l 98
4) Vinyl Chloride	2.36	62	149628	46.226	ug/l 97
5) Bromomethane	2.76	94	102460	49.949	ug/l 96
6) Chloroethane	2.92	64	92418	48.438	ug/l 99
7) Trichlorofluoromethane	3.25	101	78903	42.274	ug/l 97
8) Diethyl Ether	3.67	74	84926	53.270	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	150657	49.579	ug/l 98
10) Methyl Iodide	4.27	142	239433	50.821	ug/l 99
11) Tert butyl alcohol	5.17	59	54133	273.048	ug/l 100
12) 1,1-Dichloroethene	4.04	96	157230	49.967	ug/l 100
13) Acrolein	3.89	56	38083	239.393	ug/l 99
14) Allyl chloride	4.66	41	247986	49.518	ug/l 98
15) Acrylonitrile	5.35	53	190641	277.048	ug/l 99
16) Acetone	4.12	43	149524	239.930	ug/l 98
17) Carbon Disulfide	4.38	76	454999	50.027	ug/l 100
18) Methyl Acetate	4.67	43	95628	54.588	ug/l 99
19) Methyl tert-butyl Ether	5.42	73	262559	54.443	ug/l 99
20) Methylene Chloride	4.92	84	179121	56.582	ug/l 98
21) trans-1,2-Dichloroethene	5.42	96	173761	51.091	ug/l 100
22) Diisopropyl ether	6.31	45	507422	53.283	ug/l 99
23) Vinyl Acetate	6.25	43	1523995	269.752	ug/l 99
24) 1,1-Dichloroethane	6.21	63	293792	51.125	ug/l 99
25) 2-Butanone	7.16	43	243478	260.258	ug/l 98
26) 2,2-Dichloropropane	7.16	77	161599	46.785	ug/l 97
27) cis-1,2-Dichloroethene	7.16	96	186735	52.027	ug/l 98
28) Bromochloromethane	7.51	49	124741	56.559	ug/l 96
29) Tetrahydrofuran	7.52	42	163135	284.343	ug/l 99
30) Chloroform	7.67	83	286903	50.995	ug/l 99
31) Cyclohexane	7.95	56	281628	47.015	ug/l 95
32) 1,1,1-Trichloroethane	7.87	97	226620	49.734	ug/l 99
36) 1,1-Dichloropropene	8.08	75	231633	47.529	ug/l 99
37) Ethyl Acetate	7.25	43	111881	54.016	ug/l 99
38) Carbon Tetrachloride	8.07	117	215541	49.336	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	305539	48.784	ug/l	99
40) Benzene	8.32	78	685763	50.447	ug/l	98
41) Methacrylonitrile	7.48	41	68013	55.018	ug/l	97
42) 1,2-Dichloroethane	8.40	62	185977	50.893	ug/l	98
43) Isopropyl Acetate	8.42	43	213077	53.675	ug/l	99
44) Trichloroethene	9.09	130	188244	49.356	ug/l	94
45) 1,2-Dichloropropane	9.37	63	171591	51.702	ug/l	98
46) Dibromomethane	9.46	93	84367	52.360	ug/l	98
47) Bromodichloromethane	9.64	83	212034	51.716	ug/l	98
48) Methyl methacrylate	9.43	41	99377	53.237	ug/l	98
49) 1,4-Dioxane	9.45	88	27441	1134.566	ug/l #	87
51) 4-Methyl-2-Pentanone	10.21	43	543516	273.106	ug/l	98
52) Toluene	10.38	92	444038	50.968	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	224389	53.270	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	267247	52.180	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	127986	53.143	ug/l	99
56) Ethyl methacrylate	10.64	69	178158	56.525	ug/l	98
57) 1,3-Dichloropropane	10.93	76	221794	52.775	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	404712	277.363	ug/l	99
59) 2-Hexanone	10.97	43	372324	271.927	ug/l	99
60) Dibromochloromethane	11.13	129	150059	54.874	ug/l	100
61) 1,2-Dibromoethane	11.23	107	123434	53.905	ug/l	99
64) Tetrachloroethene	10.86	164	173204	51.368	ug/l	96
65) Chlorobenzene	11.65	112	467127	50.337	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	163916	51.703	ug/l	99
67) Ethyl Benzene	11.73	91	843743	50.180	ug/l	100
68) m/p-Xylenes	11.83	106	645739	100.781	ug/l	100
69) o-Xylene	12.16	106	300416	50.430	ug/l	99
70) Styrene	12.18	104	529886	51.812	ug/l	100
71) Bromoform	12.35	173	91335	54.531	ug/l #	98
73) Isopropylbenzene	12.46	105	828778	49.320	ug/l	99
74) N-amyl acetate	12.27	43	197809	53.048	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	144765	51.511	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	185109	92.142	ug/l #	100
77) Bromobenzene	12.74	156	200224	50.281	ug/l	97
78) n-propylbenzene	12.80	91	972176	49.425	ug/l	100
79) 2-Chlorotoluene	12.89	91	547320	49.667	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	705085	49.915	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	46514	51.954	ug/l	96
82) 4-Chlorotoluene	12.99	91	571889	49.213	ug/l	100
83) tert-Butylbenzene	13.21	119	621731	50.147	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	696031	49.518	ug/l	99
85) sec-Butylbenzene	13.38	105	847625	49.588	ug/l	99
86) p-Isopropyltoluene	13.50	119	787135	49.649	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	384750	50.203	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	380593	50.636	ug/l	100
89) n-Butylbenzene	13.82	91	714513	49.357	ug/l	100
90) Hexachloroethane	14.09	117	136150	51.120	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	345022	52.038	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	23804	55.376	ug/l	99

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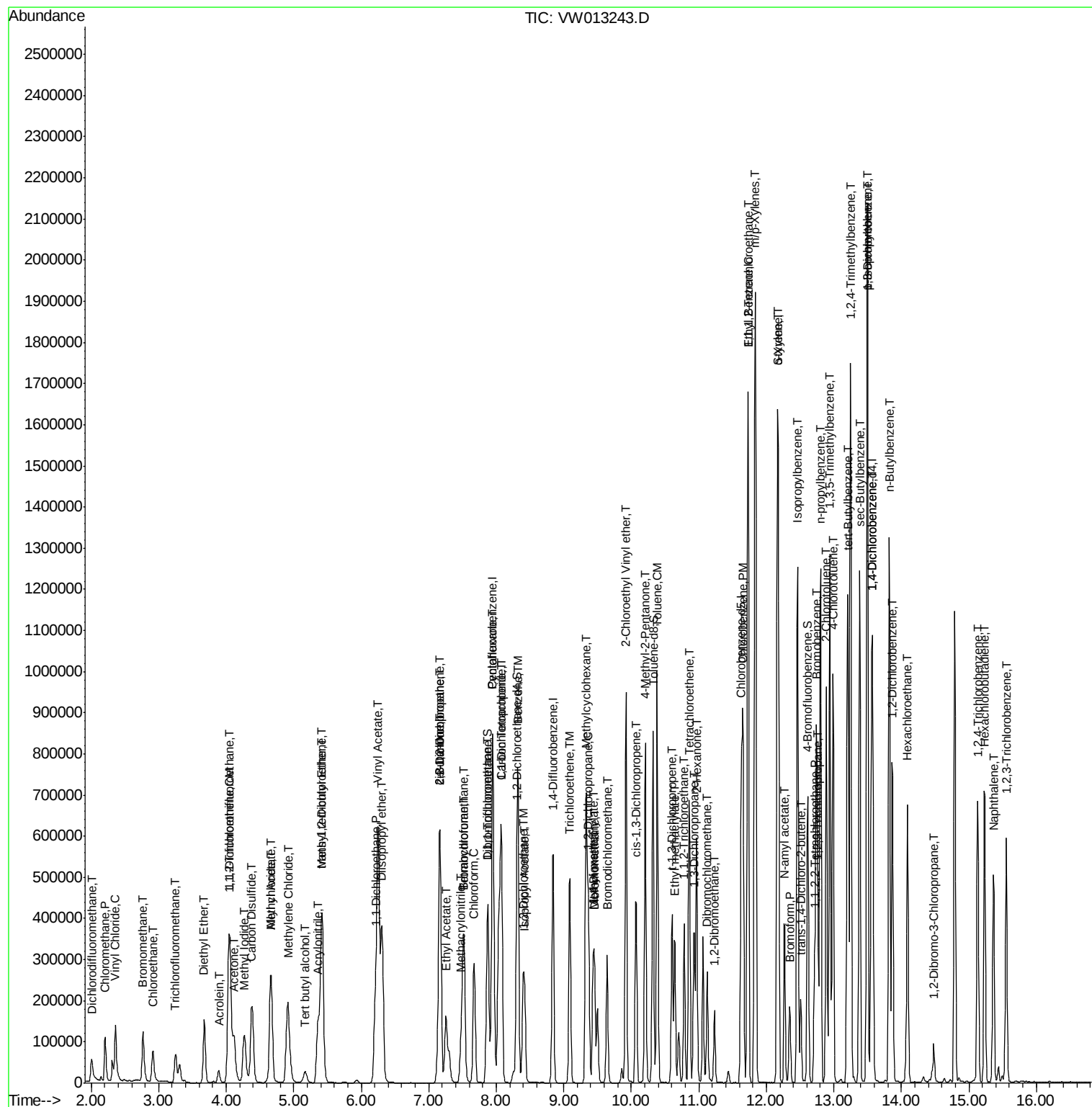
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	252574	53.162	ug/l	99
94) Hexachlorobutadiene	15.24	225	155788	47.929	ug/l	97
95) Naphthalene	15.36	128	450797	58.014	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	220916	53.813	ug/l	98

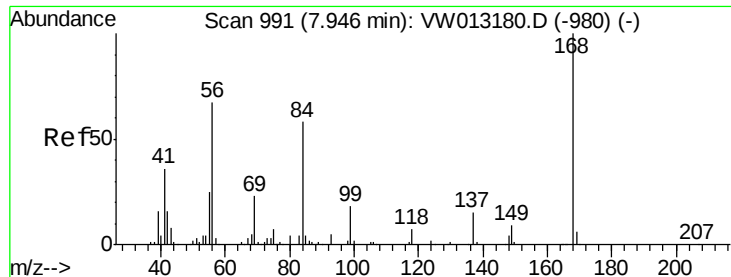
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

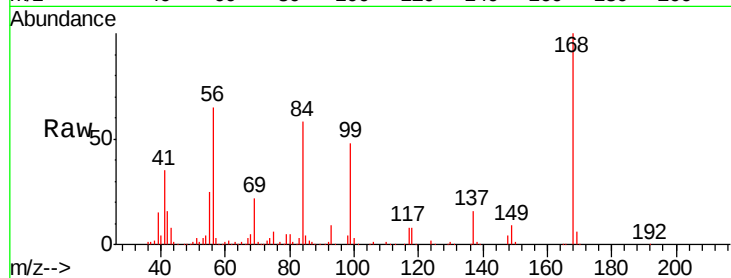
VSTDCCC050EC

Tgt Ion:168 Resp: 338603

Ion Ratio Lower Upper

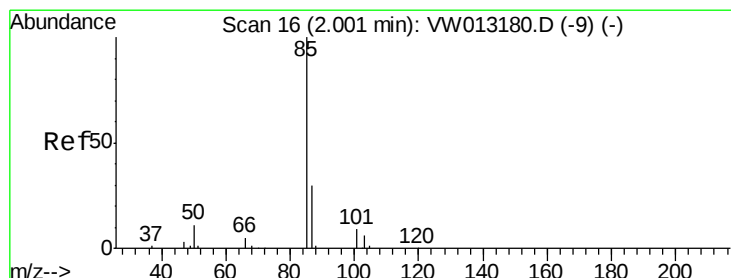
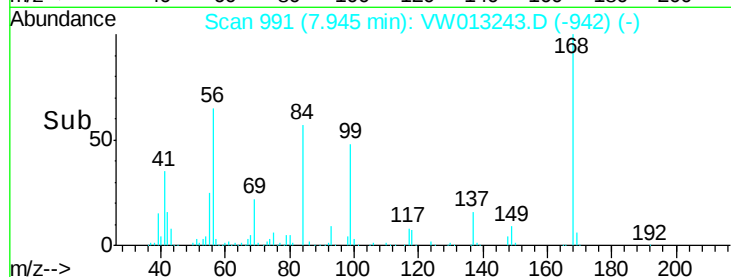
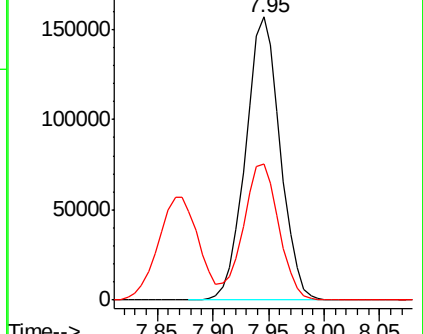
168 100

99 48.0 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 46.012 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013243.D

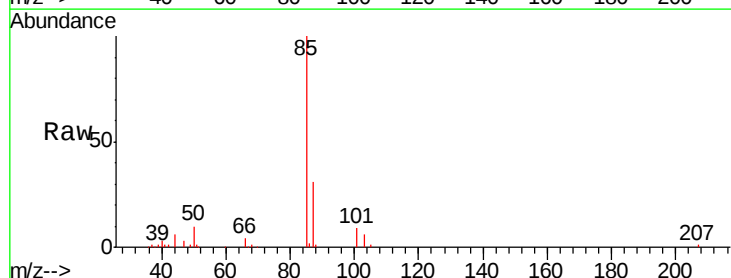
Acq: 23 Sep 2019 20:49

Tgt Ion: 85 Resp: 89871

Ion Ratio Lower Upper

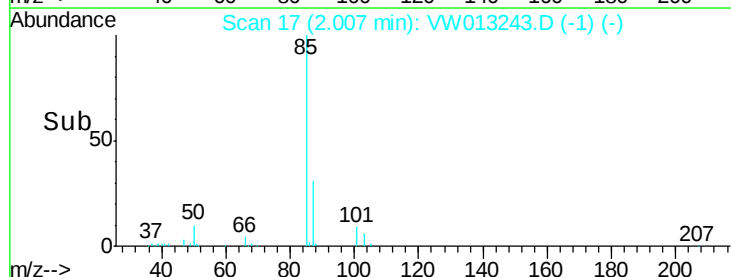
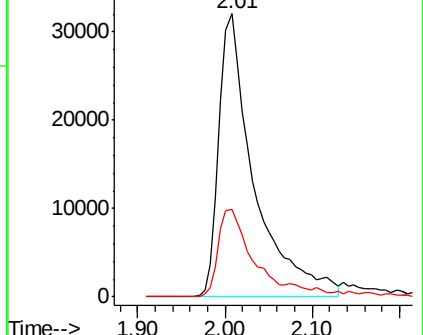
85 100

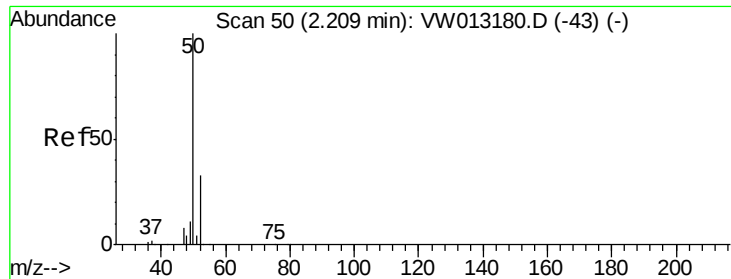
87 31.1 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 45.774 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

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ClientSampleId :

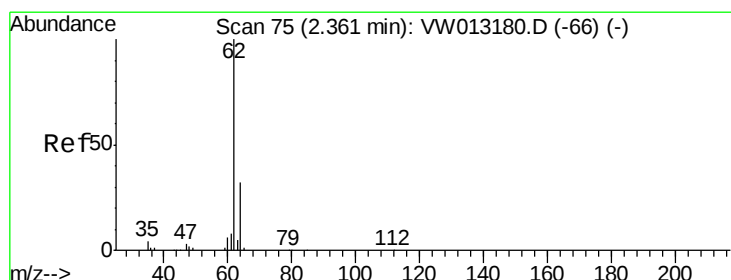
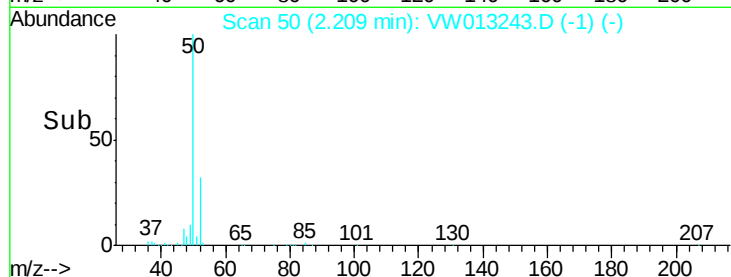
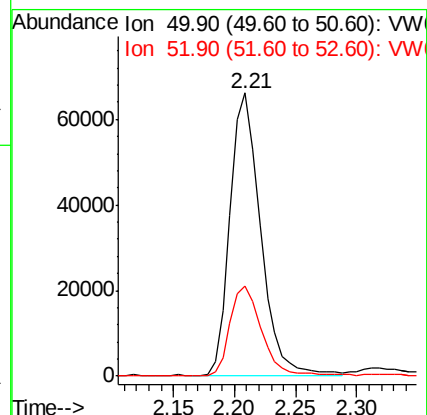
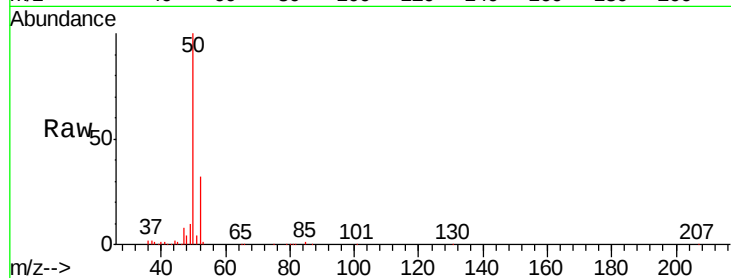
VSTDCCC050EC

Tgt Ion: 50 Resp: 114927

Ion Ratio Lower Upper

50 100

52 31.7 26.1 39.1



#4

Vinyl Chloride

Concen: 46.226 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW013243.D

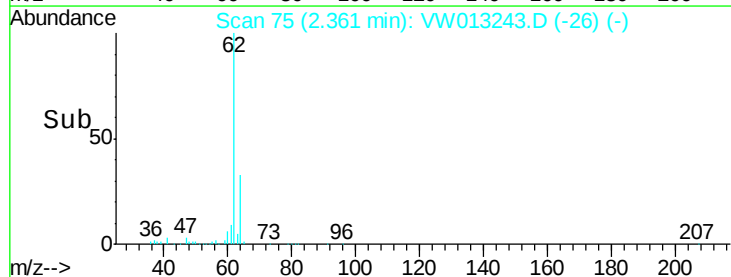
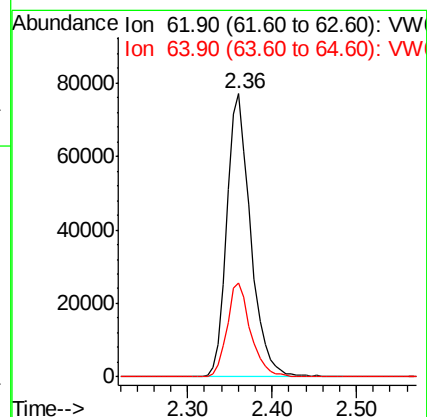
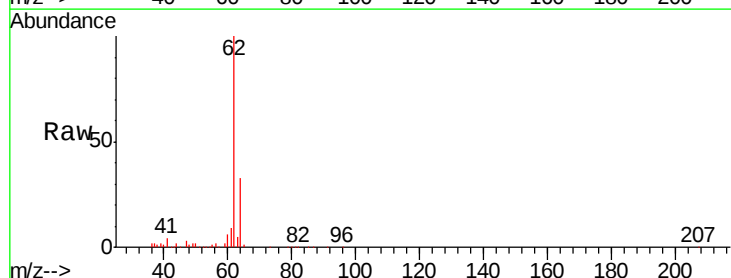
Acq: 23 Sep 2019 20:49

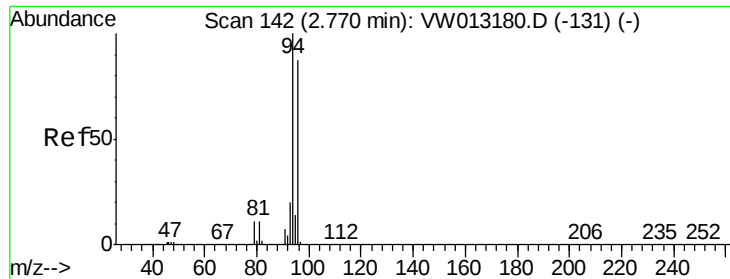
Tgt Ion: 62 Resp: 149628

Ion Ratio Lower Upper

62 100

64 33.1 25.3 37.9





#5

Bromomethane

Concen: 49.949 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

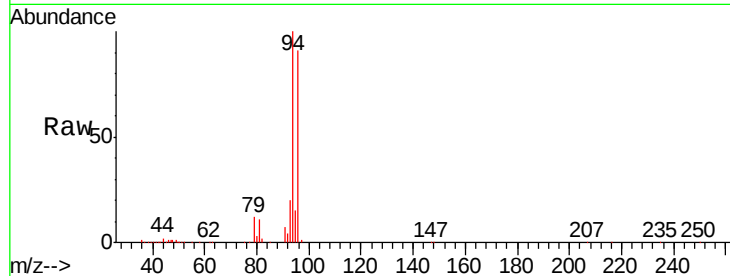
VSTDCCC050EC

Tgt Ion: 94 Resp: 102460

Ion Ratio Lower Upper

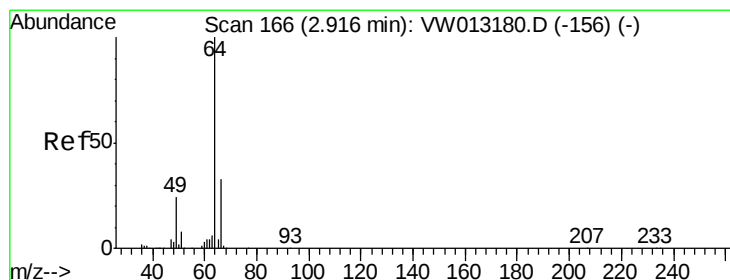
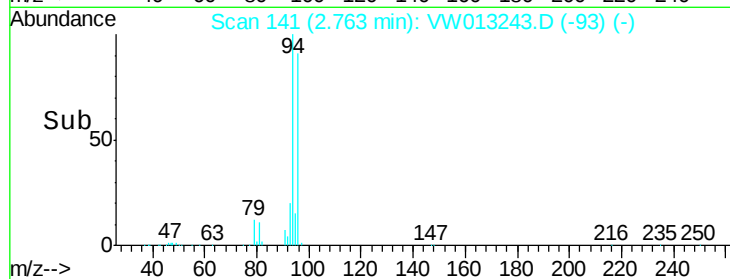
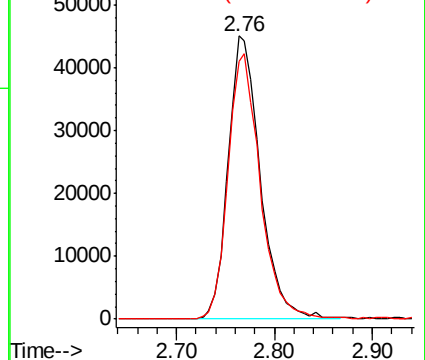
94 100

96 91.2 69.7 104.5



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 48.438 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW013243.D

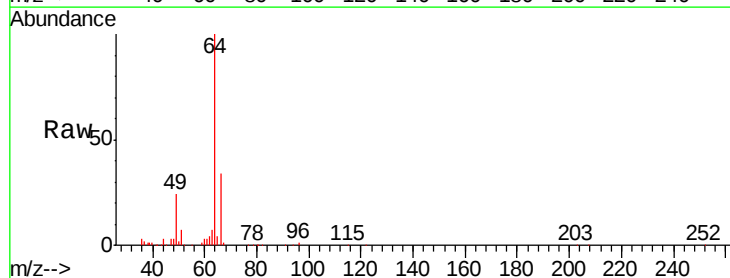
Acq: 23 Sep 2019 20:49

Tgt Ion: 64 Resp: 92418

Ion Ratio Lower Upper

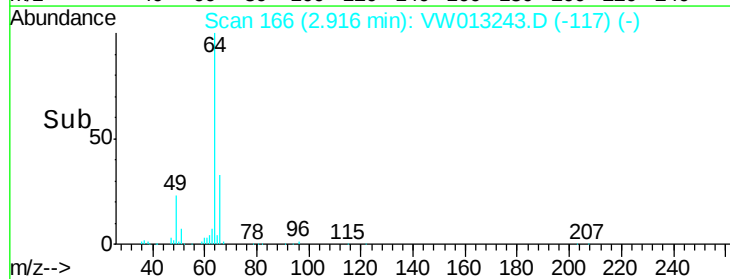
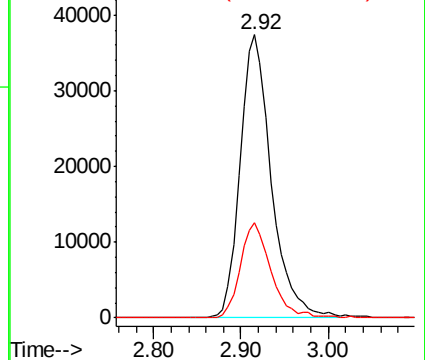
64 100

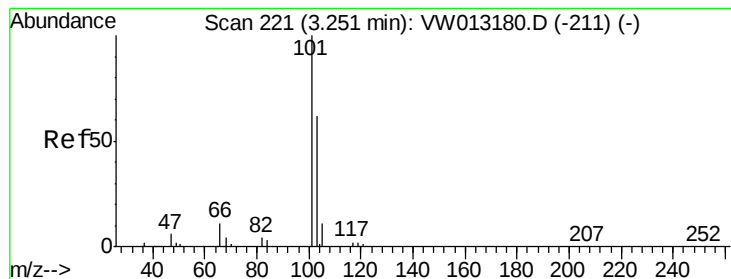
66 33.5 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



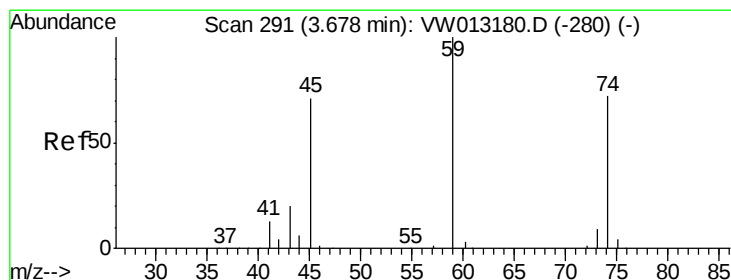
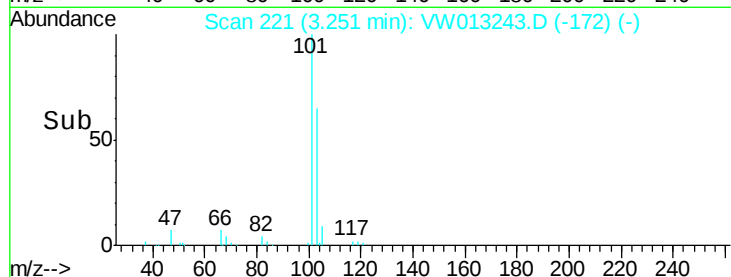
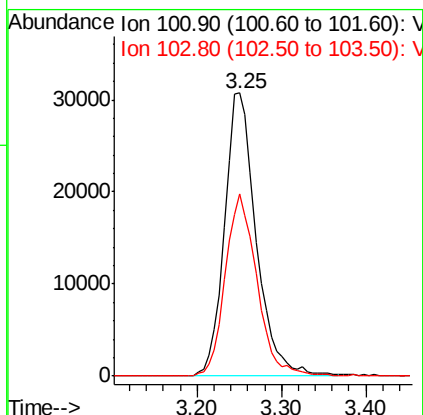
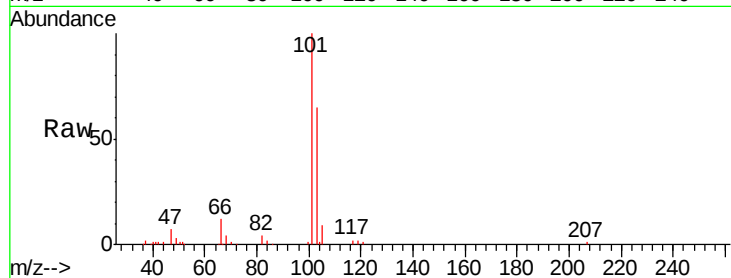


#7

Trichlorofluoromethane
Concen: 42.274 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
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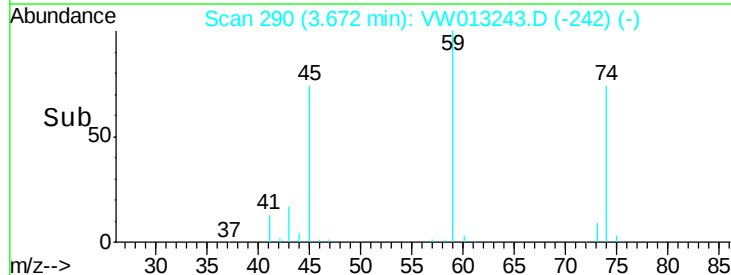
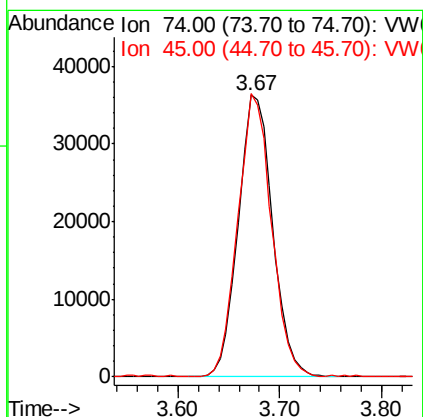
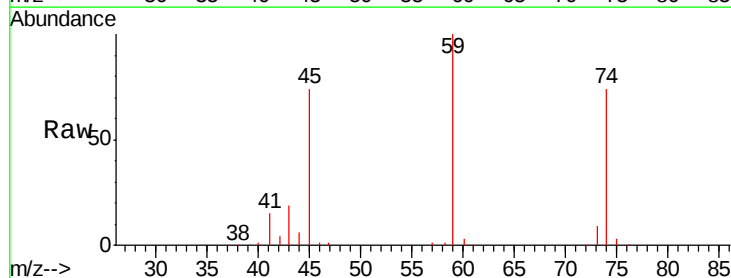
Tgt Ion: 101 Resp: 78903
Ion Ratio Lower Upper
101 100
103 64.6 49.7 74.5

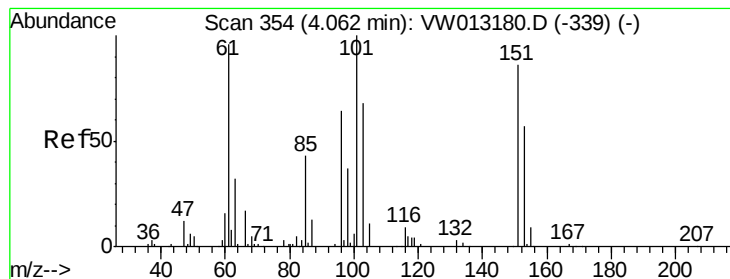


#8

Diethyl Ether
Concen: 53.270 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

Tgt Ion: 74 Resp: 84926
Ion Ratio Lower Upper
74 100
45 98.5 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.579 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013243.D

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VSTDCCC050EC

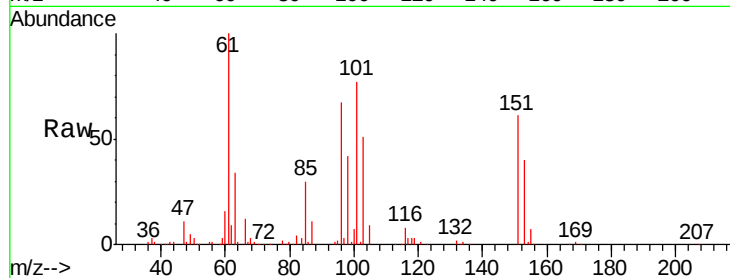
Tgt Ion:101 Resp: 150657

Ion Ratio Lower Upper

101 100

85 39.9 33.4 50.0

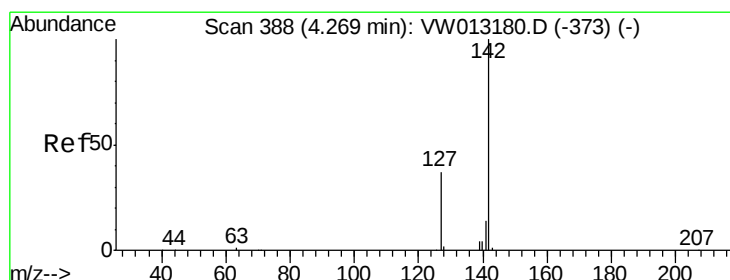
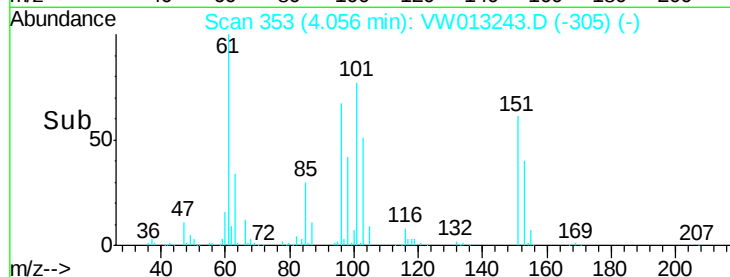
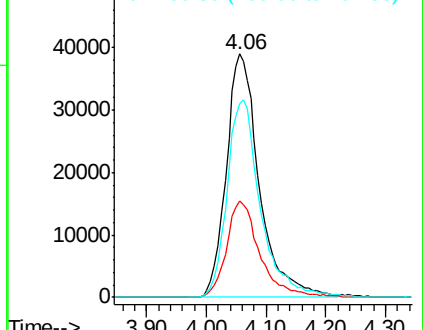
151 82.3 66.9 100.3



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: 50.821 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

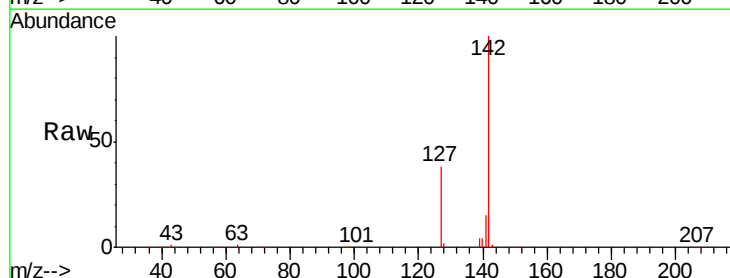
Tgt Ion:142 Resp: 239433

Ion Ratio Lower Upper

142 100

127 38.0 30.9 46.3

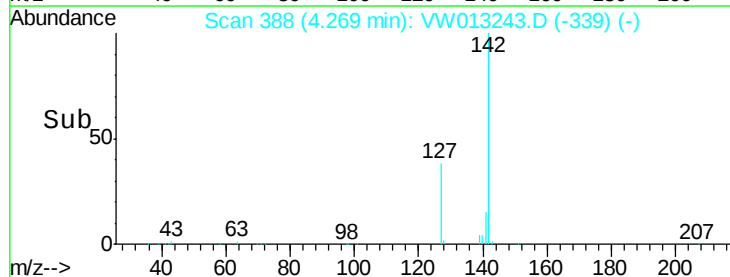
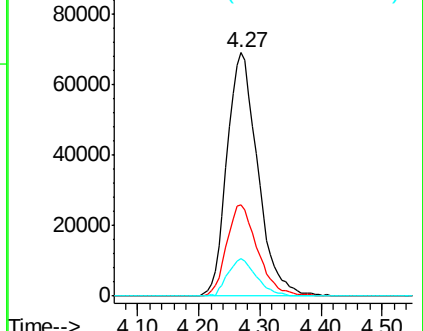
141 14.3 11.7 17.5

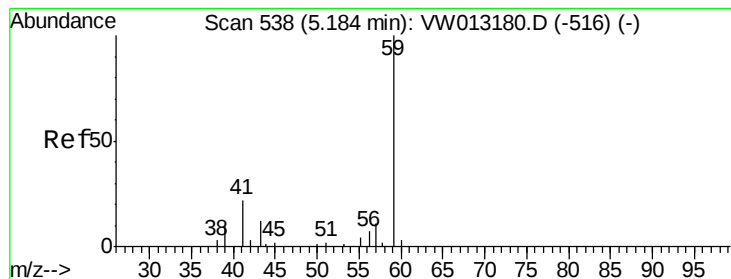


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



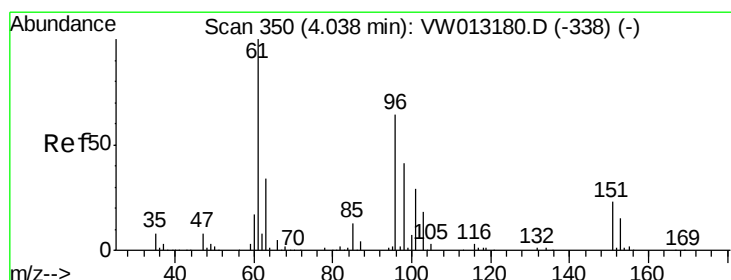
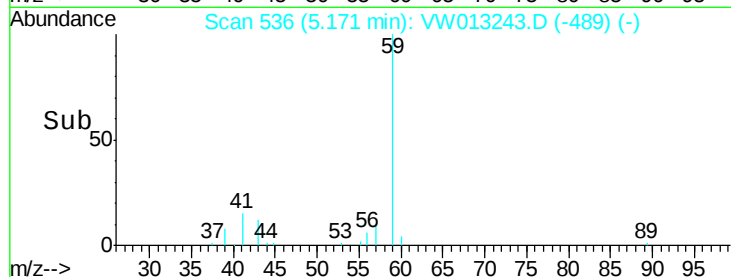
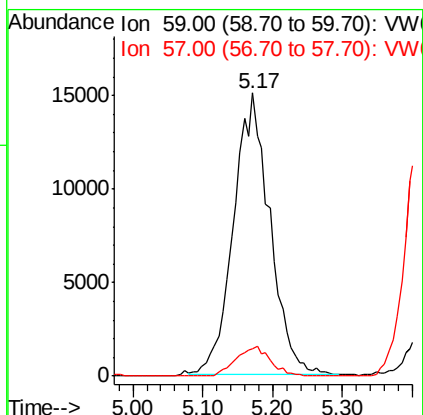
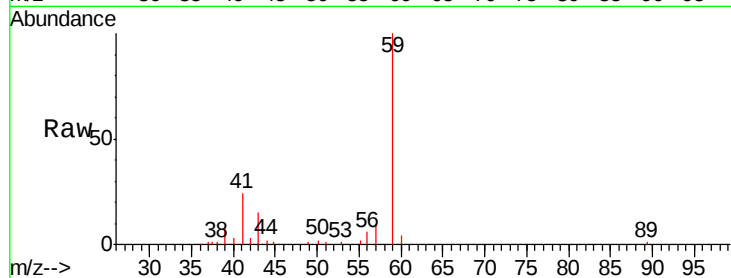


#11

Tert butyl alcohol
 Concen: 273.048 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. -0.01 min
 Lab File: VW013243.D
 Acq: 23 Sep 2019 20:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

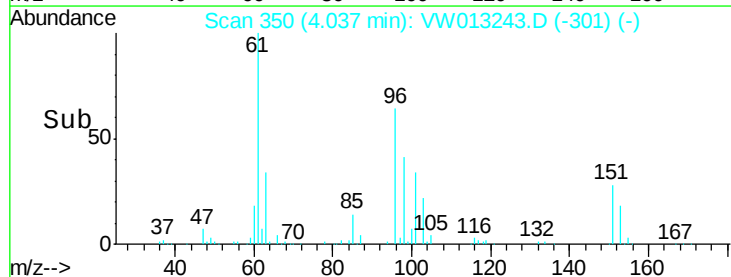
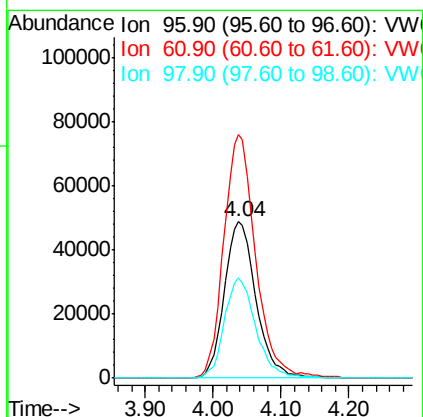
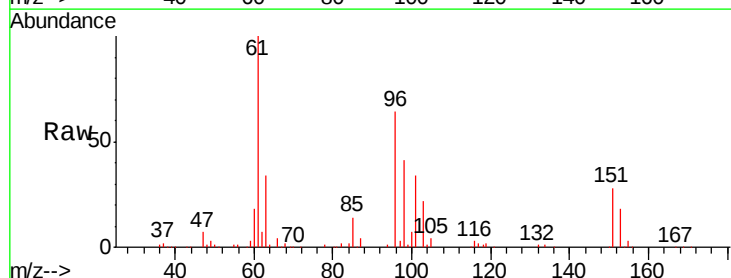
Tgt Ion: 59 Resp: 54133
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.2 12.2

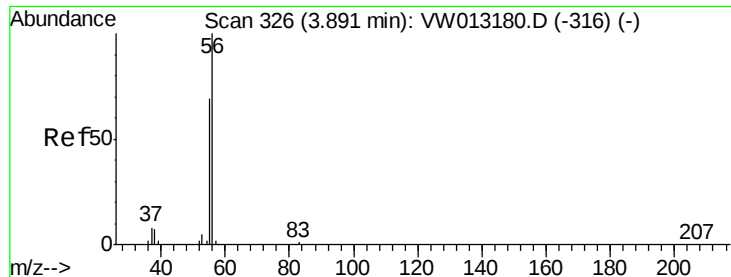


#12

1,1-Dichloroethene
 Concen: 49.967 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW013243.D
 Acq: 23 Sep 2019 20:49

Tgt Ion: 96 Resp: 157230
 Ion Ratio Lower Upper
 96 100
 61 155.7 125.1 187.7
 98 63.8 50.8 76.2





#13

Acrolein

Concen: 239.393 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

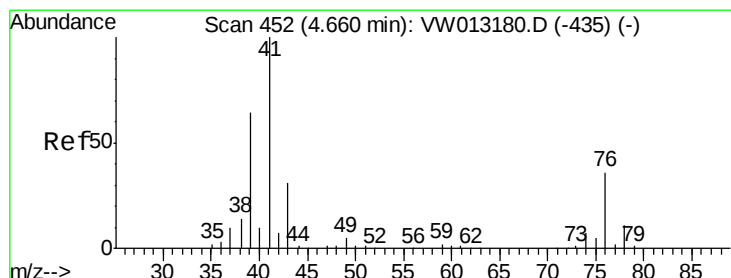
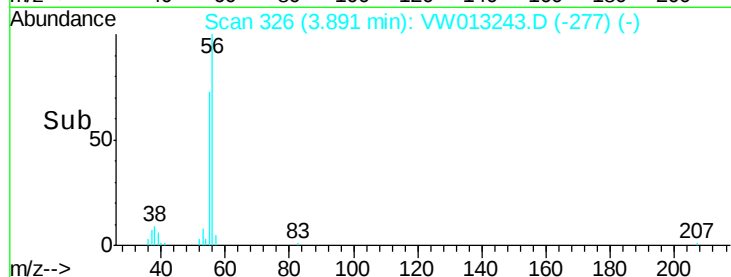
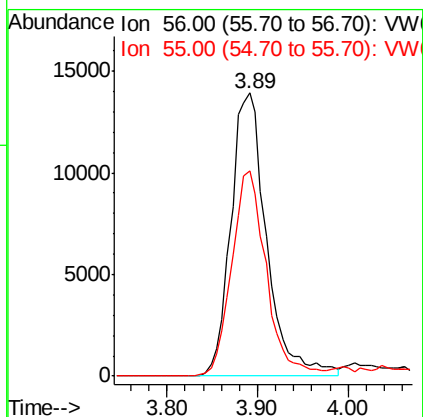
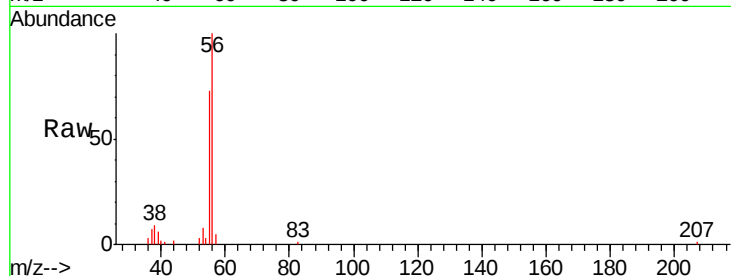
VSTDCCC050EC

Tgt Ion: 56 Resp: 38083

Ion Ratio Lower Upper

56 100

55 70.1 55.4 83.0



#14

Allyl chloride

Concen: 49.518 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

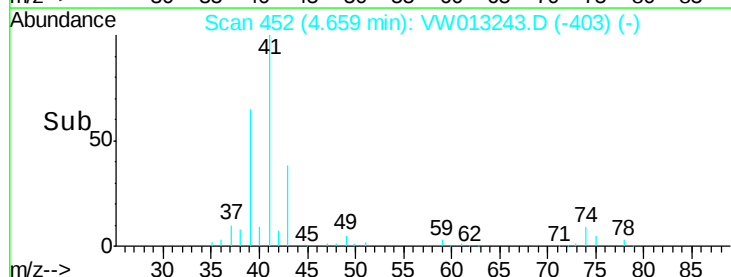
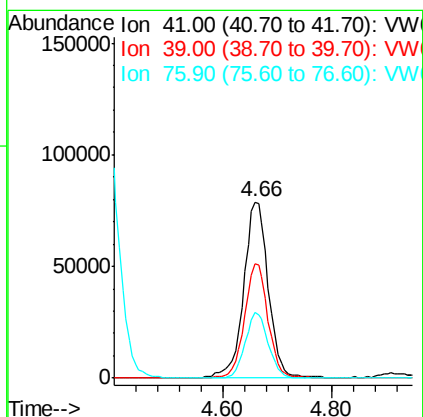
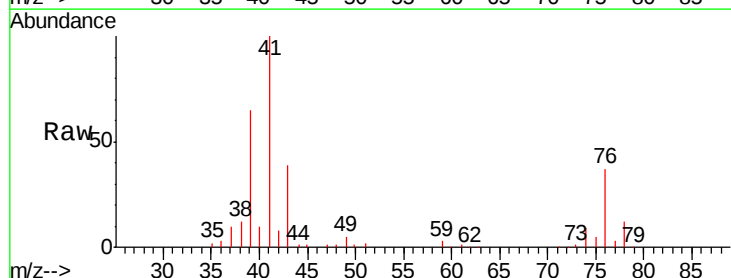
Tgt Ion: 41 Resp: 247986

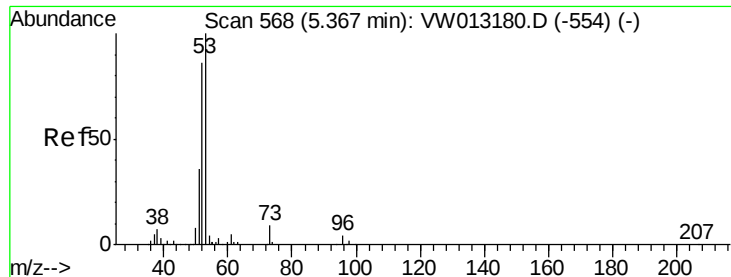
Ion Ratio Lower Upper

41 100

39 61.9 51.0 76.4

76 34.8 28.4 42.6





#15

Acrylonitrile

Concen: 277.048 ug/l

RT: 5.35 min Scan# 566

Delta R.T. -0.01 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

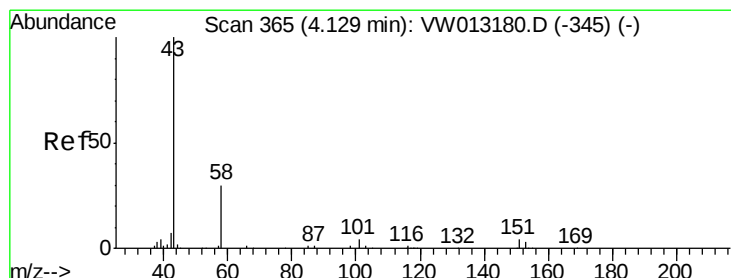
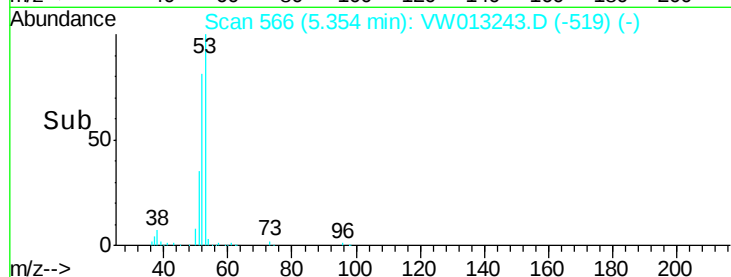
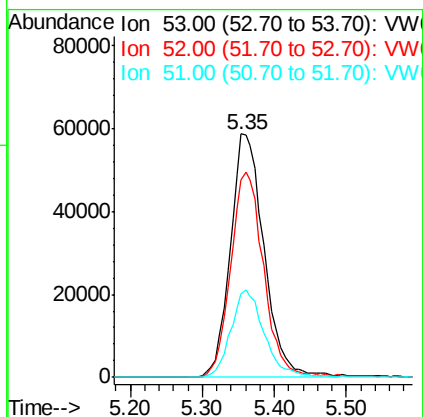
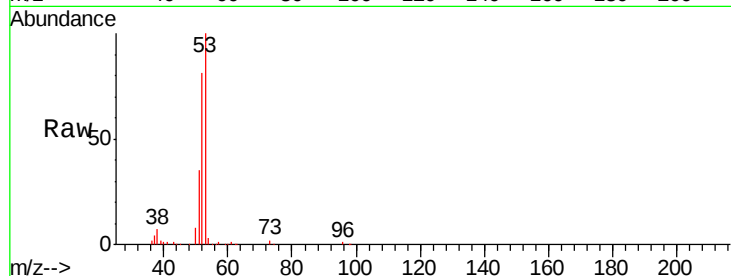
Tgt Ion: 53 Resp: 190641

Ion Ratio Lower Upper

53 100

52 82.9 65.3 97.9

51 35.7 29.0 43.4



#16

Acetone

Concen: 239.930 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW013243.D

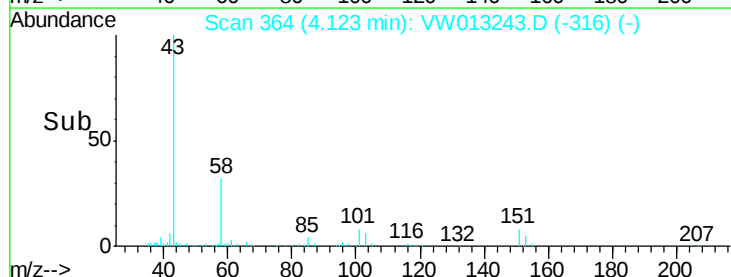
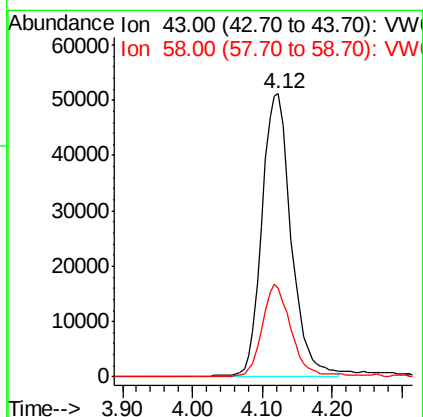
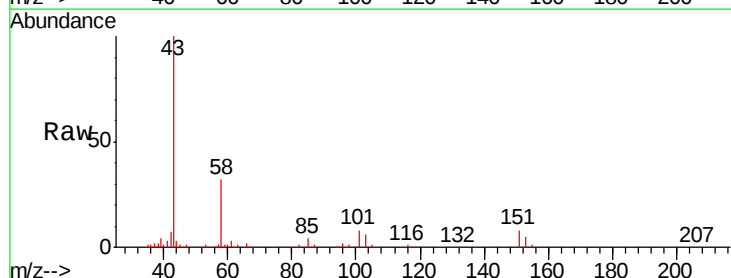
Acq: 23 Sep 2019 20:49

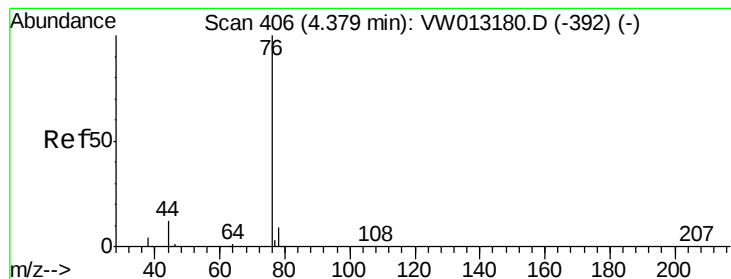
Tgt Ion: 43 Resp: 149524

Ion Ratio Lower Upper

43 100

58 31.4 24.1 36.1





#17

Carbon Disulfide

Concen: 50.027 ug/l

RT: 4.38 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

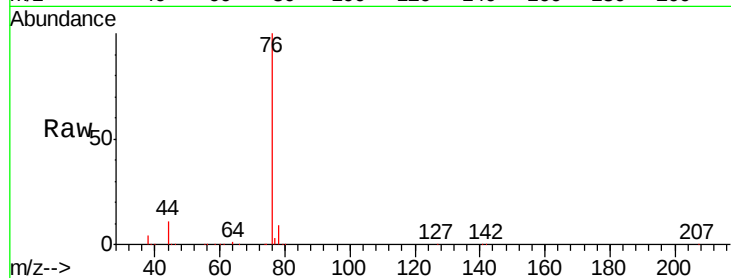
VSTDCCC050EC

Tgt Ion: 76 Resp: 454999

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.4



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

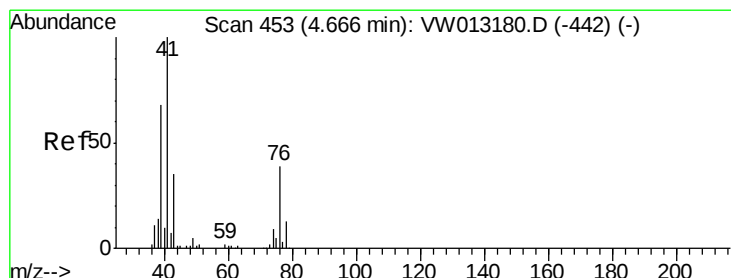
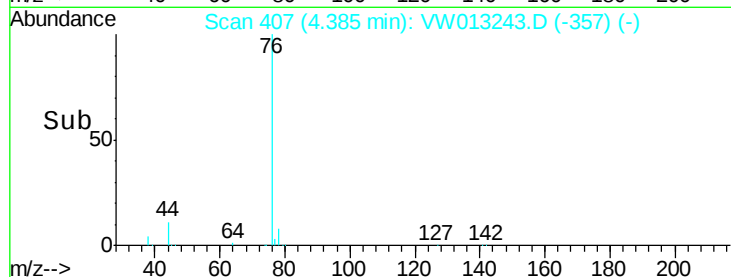
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 54.588 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013243.D

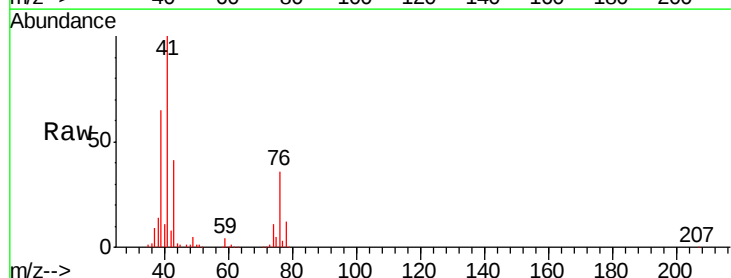
Acq: 23 Sep 2019 20:49

Tgt Ion: 43 Resp: 95628

Ion Ratio Lower Upper

43 100

74 23.7 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

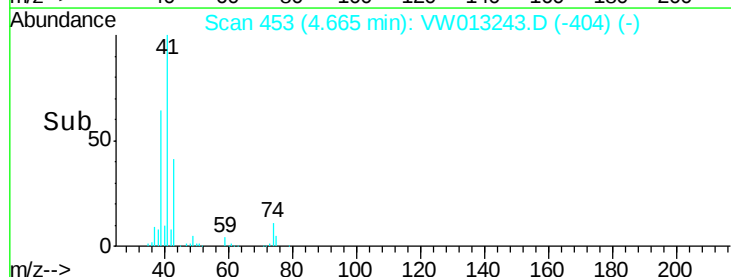
30000

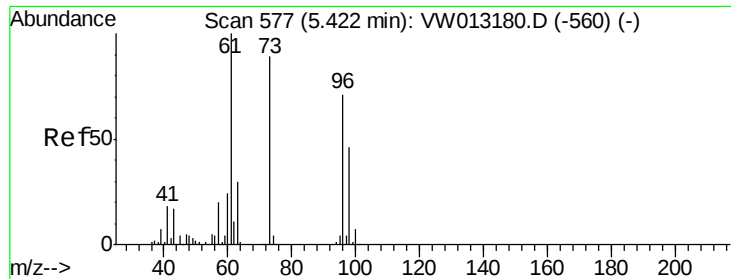
20000

10000

0

Time-->

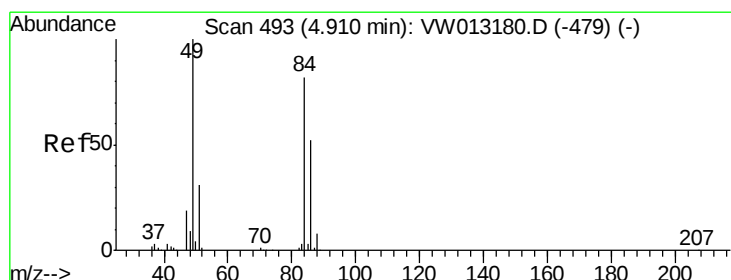
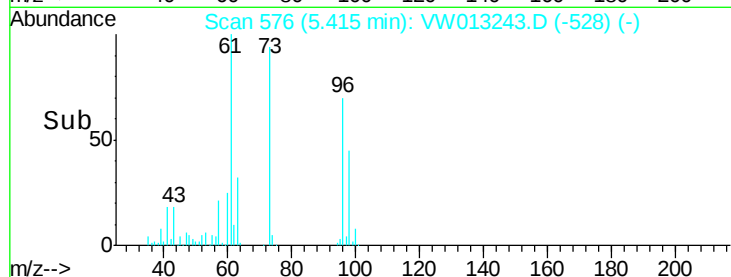
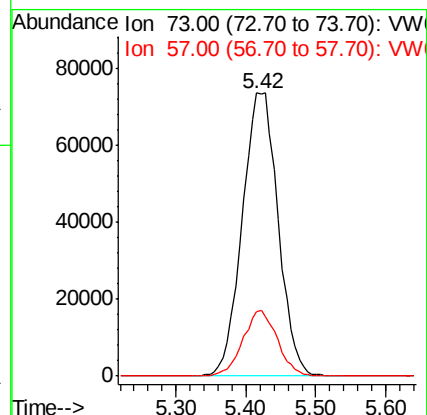
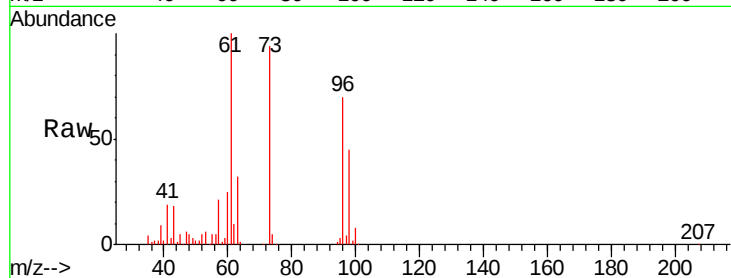




#19
Methyl tert-butyl Ether
Concen: 54.443 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

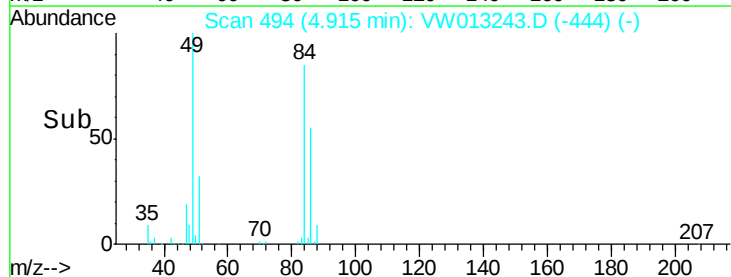
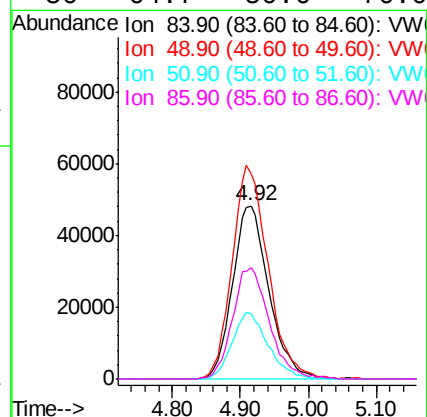
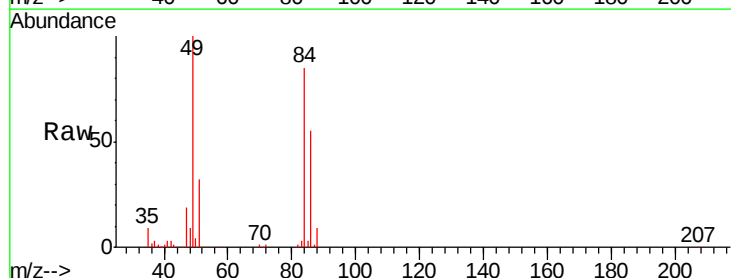
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

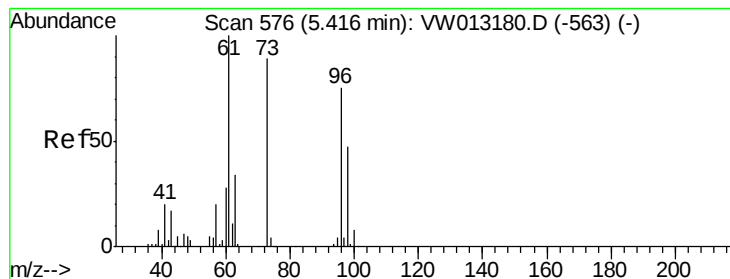
Tgt Ion: 73 Resp: 262559
Ion Ratio Lower Upper
73 100
57 22.6 17.6 26.4



#20
Methylene Chloride
Concen: 56.582 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

Tgt Ion: 84 Resp: 179121
Ion Ratio Lower Upper
84 100
49 118.2 97.6 146.4
51 37.5 30.2 45.2
86 64.7 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 51.091 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

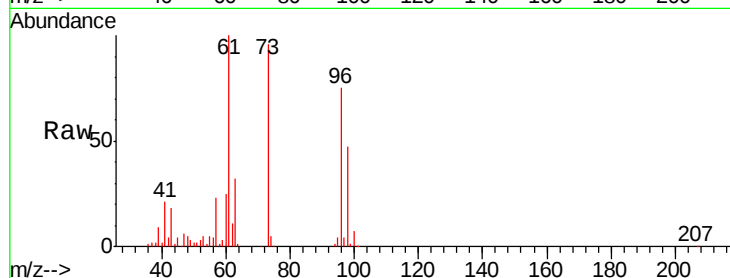
Tgt Ion: 96 Resp: 173761

Ion Ratio Lower Upper

96 100

61 133.8 106.6 159.8

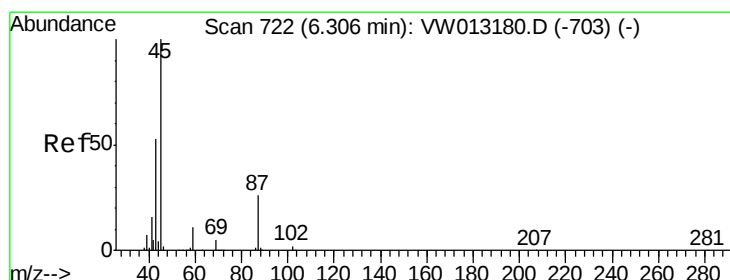
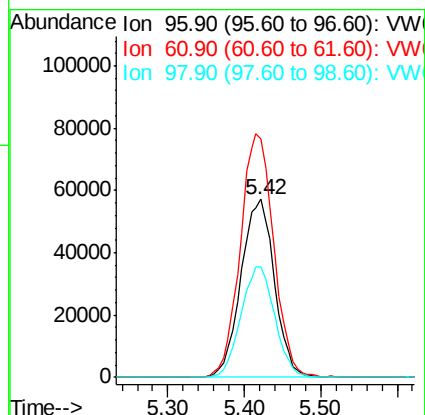
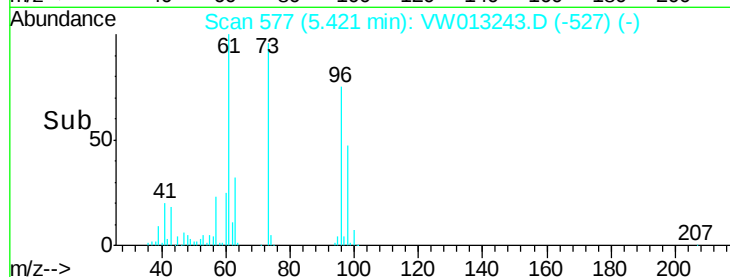
98 62.3 49.8 74.8



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 53.283 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Tgt Ion: 45 Resp: 507422

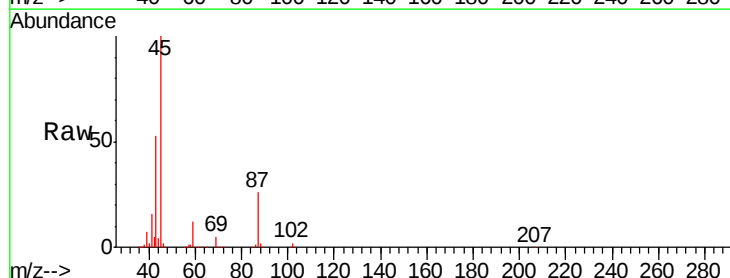
Ion Ratio Lower Upper

45 100

43 53.1 42.4 63.6

87 26.1 20.4 30.6

59 11.8 8.8 13.2

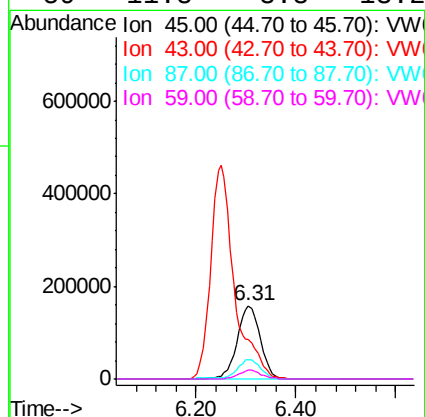
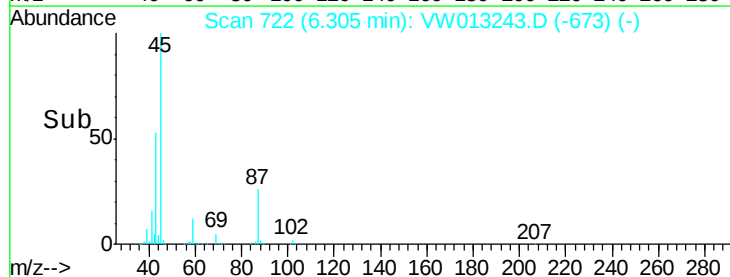


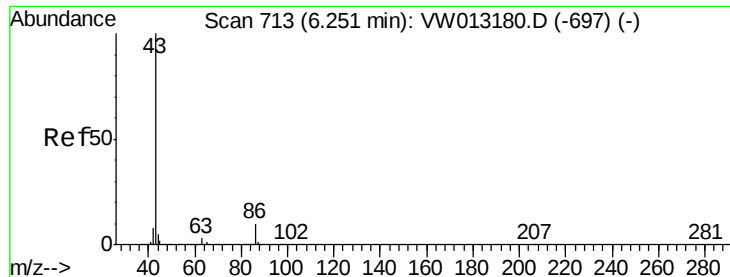
Abundance Ion 45.00 (44.70 to 45.70): VW

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: 269.752 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

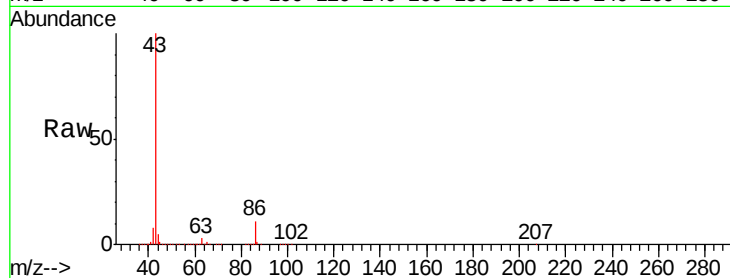
VSTDCCC050EC

Tgt Ion: 43 Resp: 1523995

Ion Ratio Lower Upper

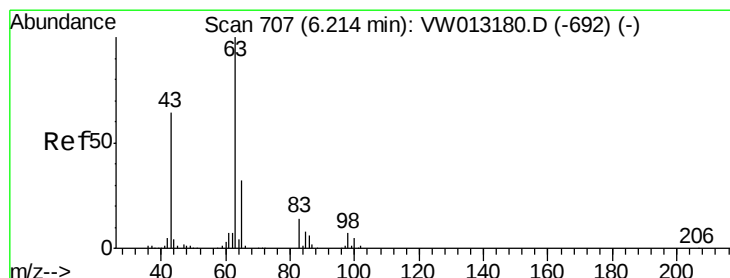
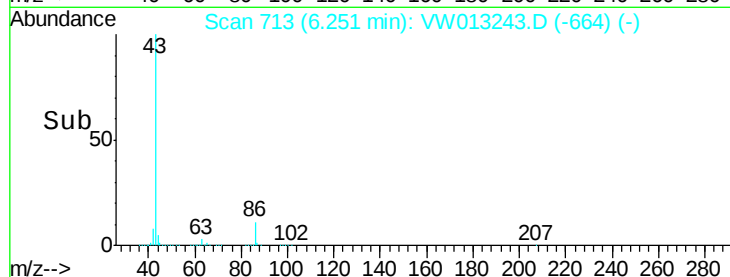
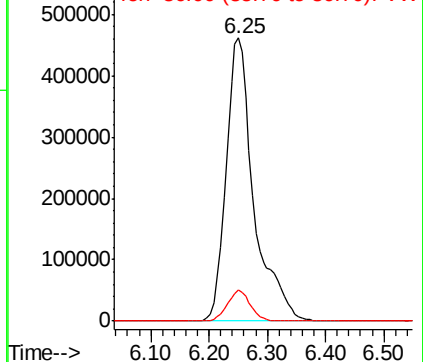
43 100

86 10.9 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 51.125 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

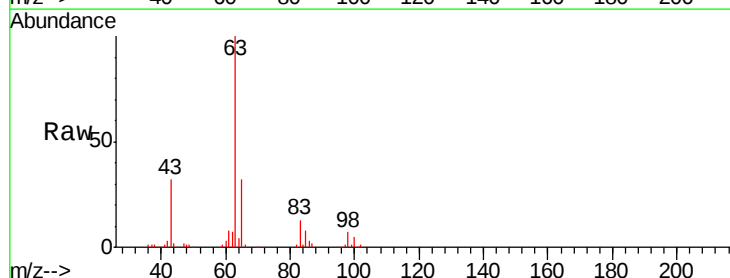
Tgt Ion: 63 Resp: 293792

Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.5

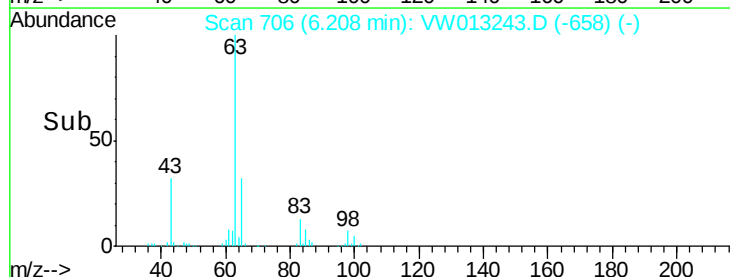
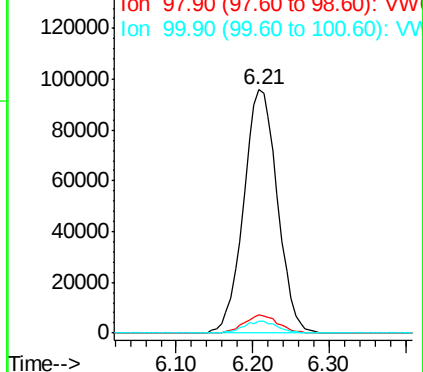
100 4.7 2.4 7.1

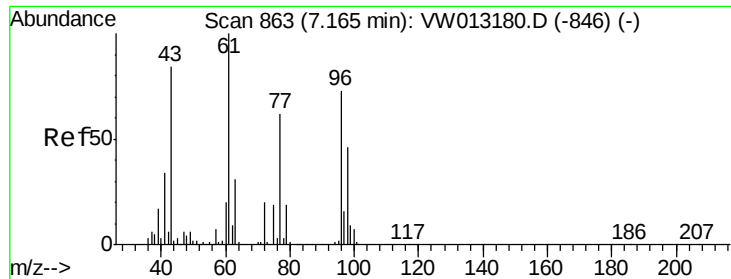


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 260.258 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

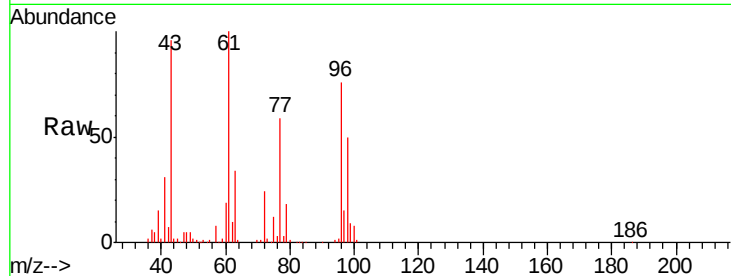
VSTDCCC050EC

Tgt Ion: 43 Resp: 243478

Ion Ratio Lower Upper

43 100

72 25.2 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.16

100000

80000

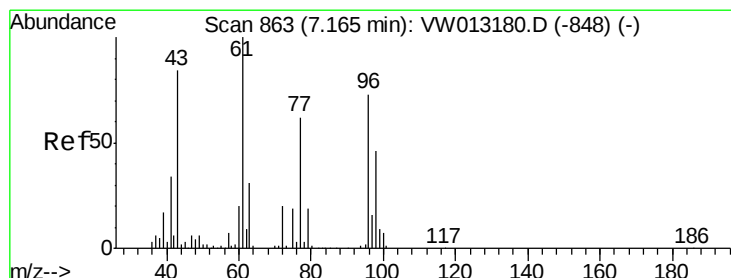
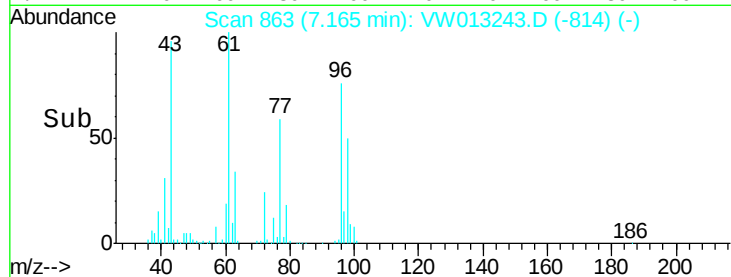
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 46.785 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013243.D

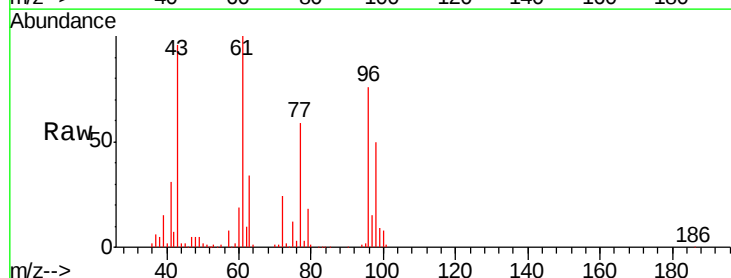
Acq: 23 Sep 2019 20:49

Tgt Ion: 77 Resp: 161599

Ion Ratio Lower Upper

77 100

97 25.3 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.16

60000

50000

40000

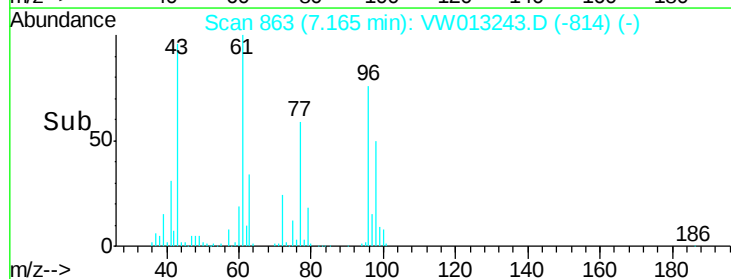
30000

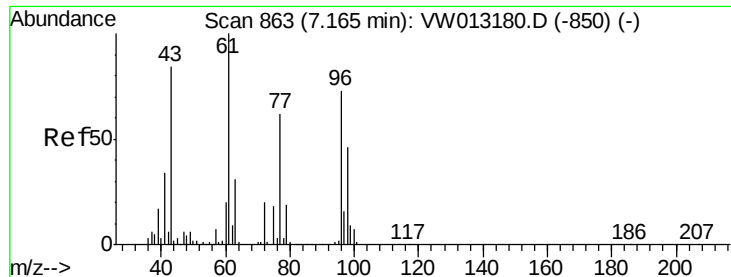
20000

10000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 52.027 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

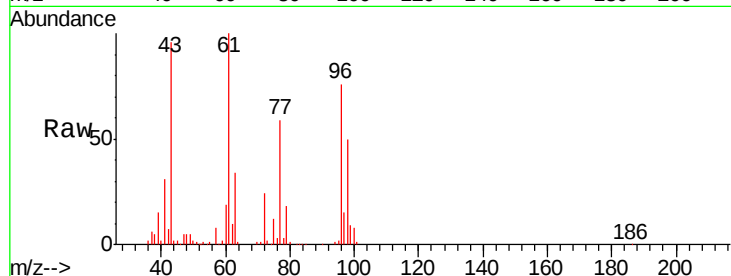
Tgt Ion: 96 Resp: 186735

Ion Ratio Lower Upper

96 100

61 137.6 0.0 282.4

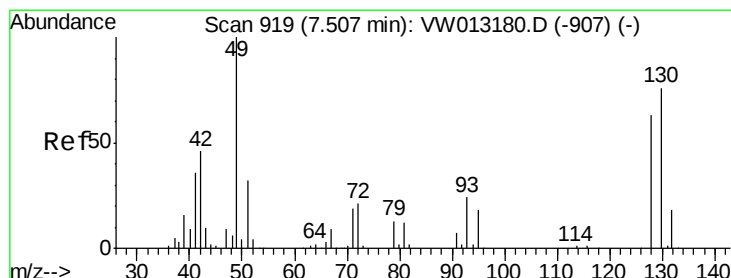
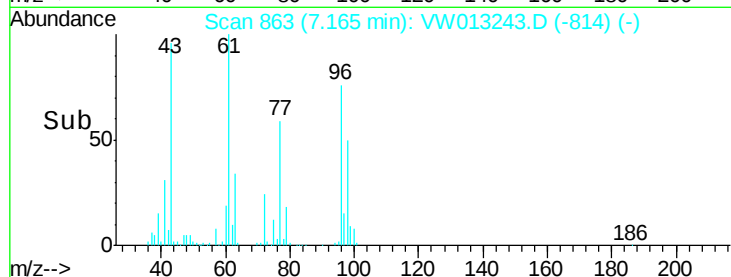
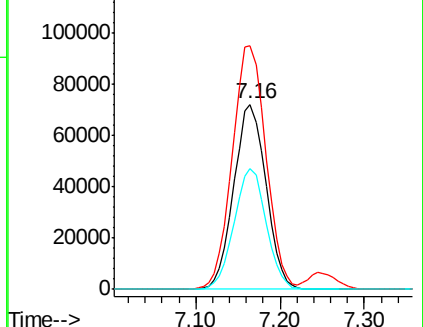
98 65.0 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane

Concen: 56.559 ug/l

RT: 7.51 min Scan# 919

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

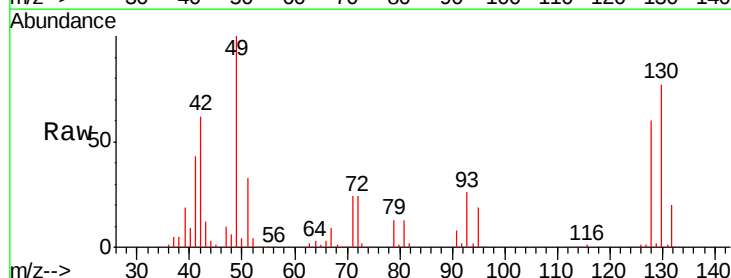
Tgt Ion: 49 Resp: 124741

Ion Ratio Lower Upper

49 100

129 0.7 0.0 1.0

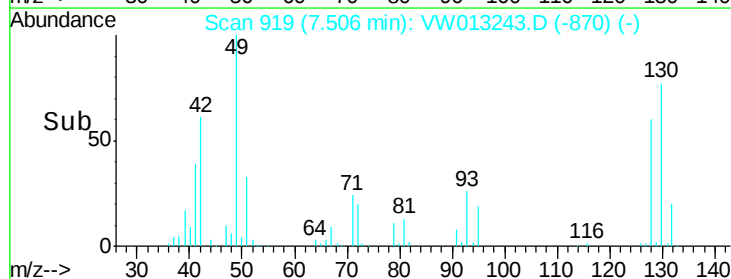
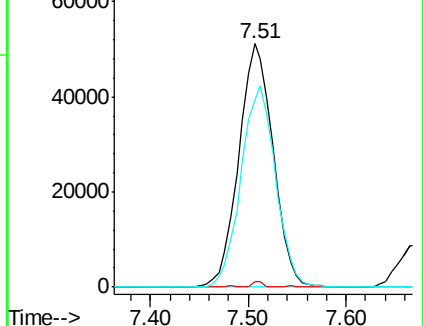
130 83.2 63.4 95.2

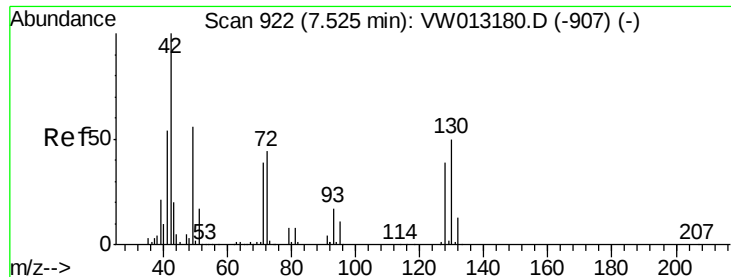


Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

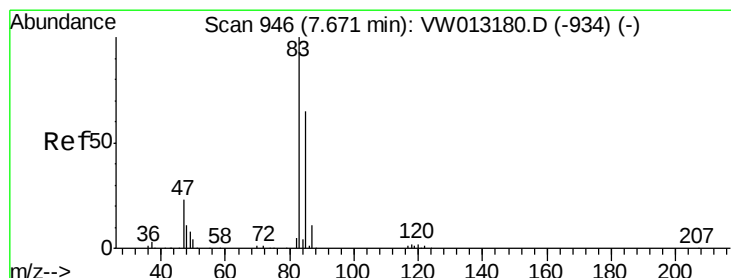
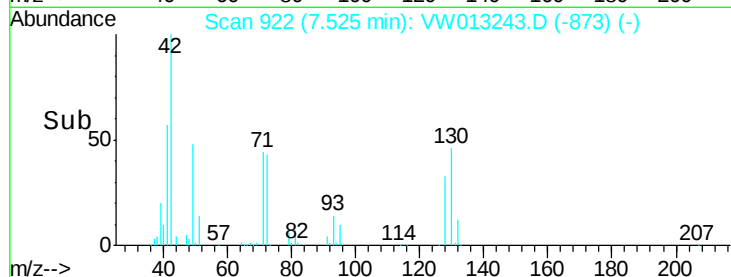
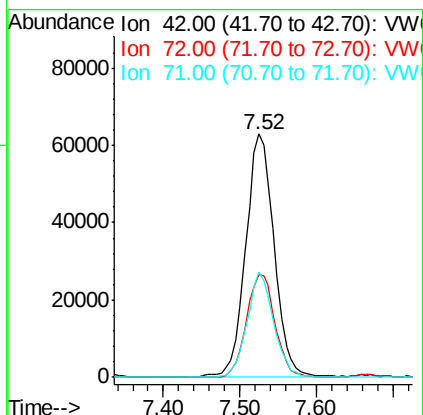
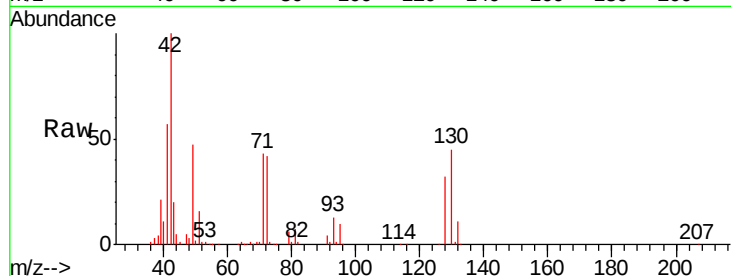




#29
Tetrahydrofuran
Concen: 284.343 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

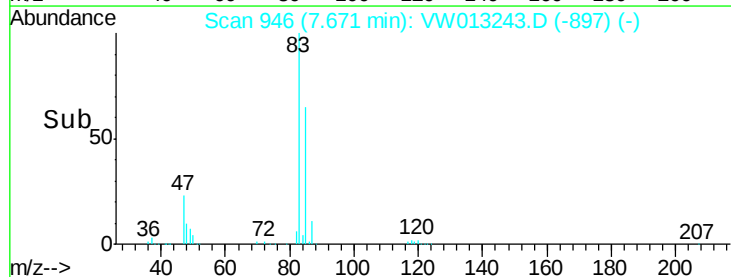
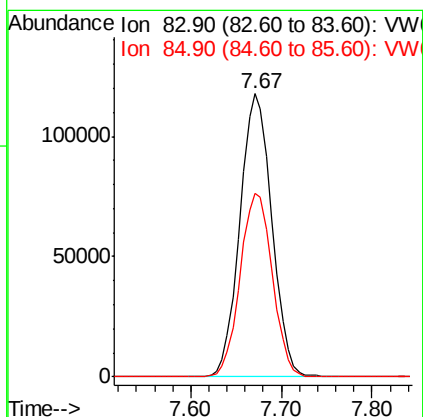
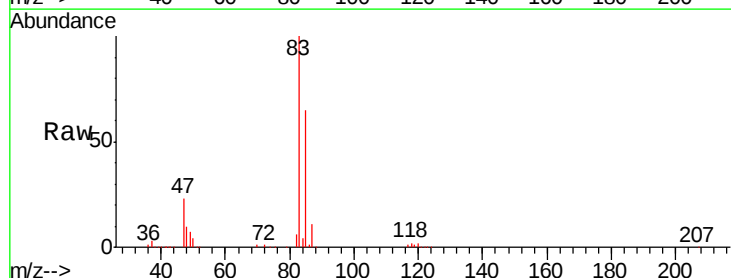
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

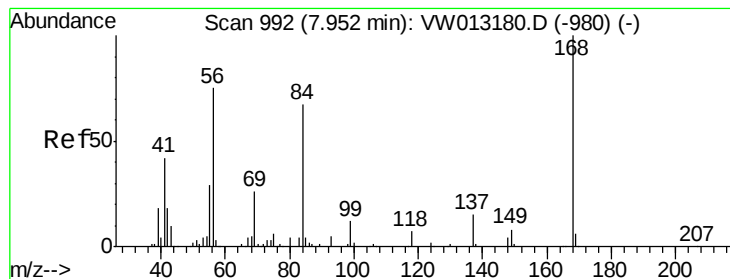
Tgt Ion: 42 Resp: 163135
Ion Ratio Lower Upper
42 100
72 42.6 33.9 50.9
71 40.5 31.9 47.9



#30
Chloroform
Concen: 50.995 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

Tgt Ion: 83 Resp: 286903
Ion Ratio Lower Upper
83 100
85 64.7 52.3 78.5





#31

Cyclohexane

Concen: 47.015 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

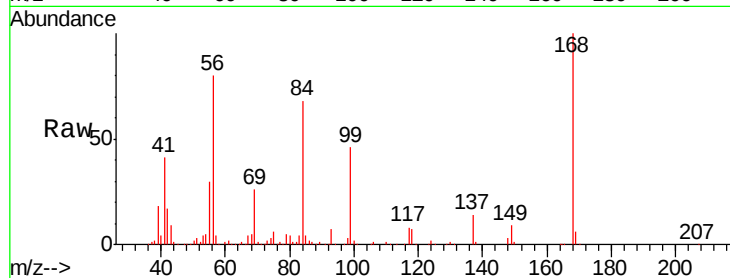
Tgt Ion: 56 Resp: 281628

Ion Ratio Lower Upper

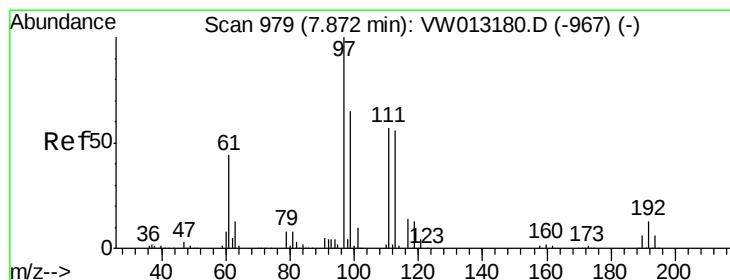
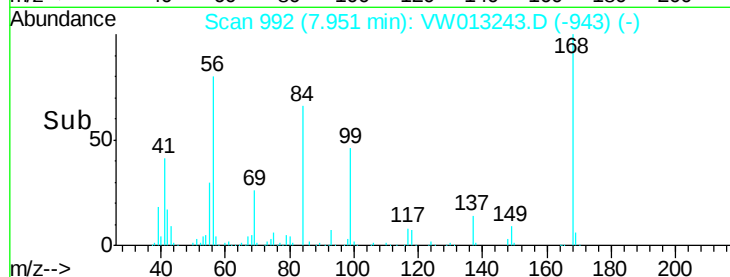
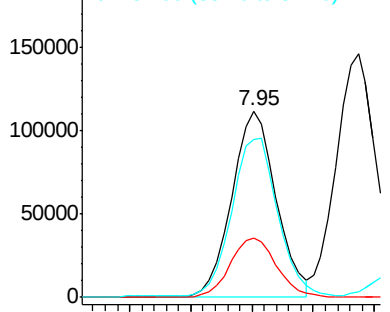
56 100

69 31.8 27.2 40.8

84 83.9 70.8 106.2



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



#32

1,1,1-Trichloroethane

Concen: 49.734 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

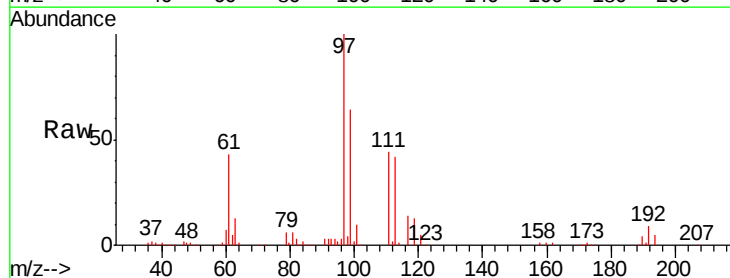
Tgt Ion: 97 Resp: 226620

Ion Ratio Lower Upper

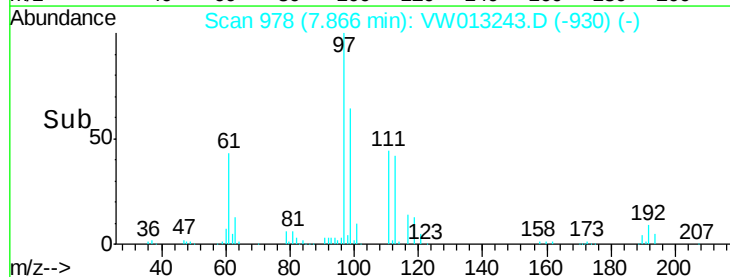
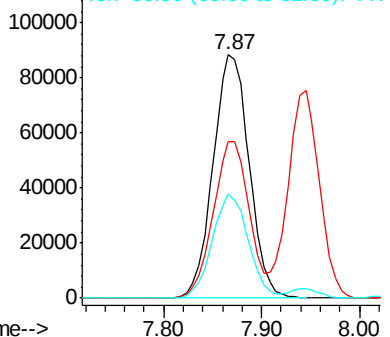
97 100

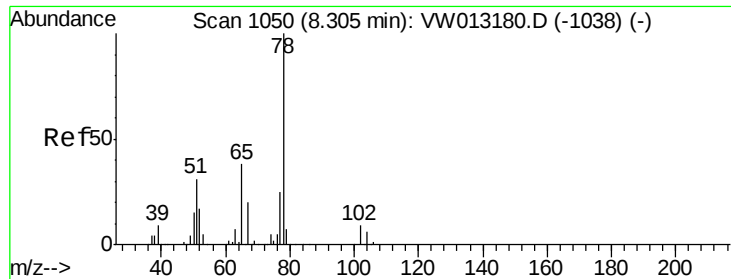
99 63.7 51.7 77.5

61 42.6 34.6 51.8



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

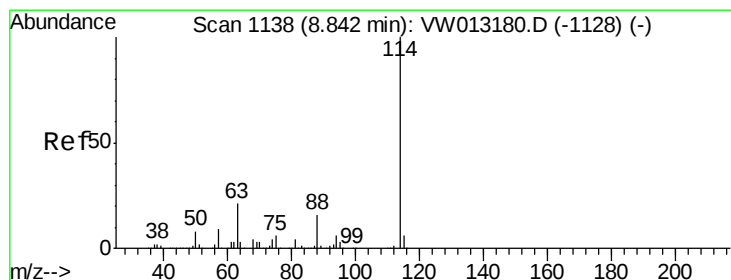
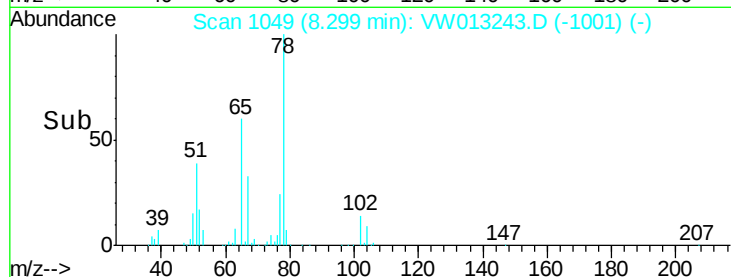
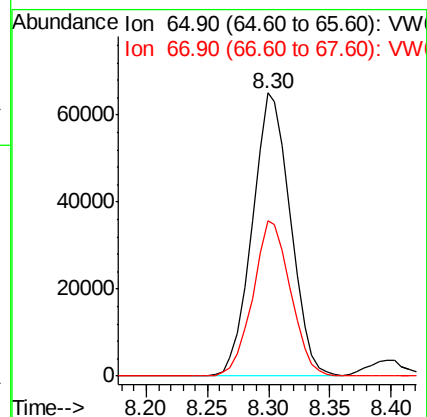
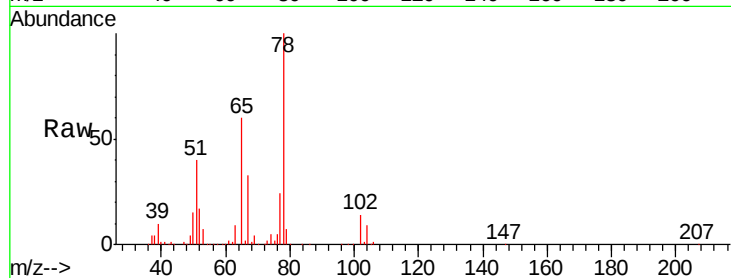




#33
 1,2-Dichloroethane-d4
 Concen: 50.967 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013243.D
 Acq: 23 Sep 2019 20:49

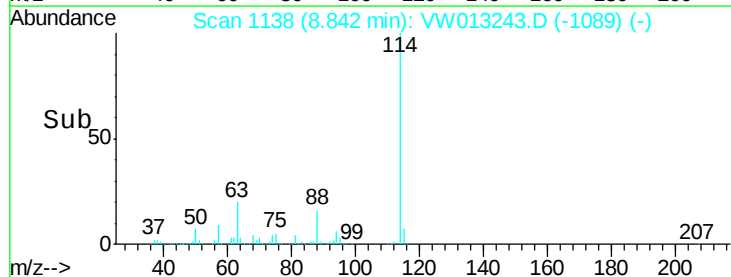
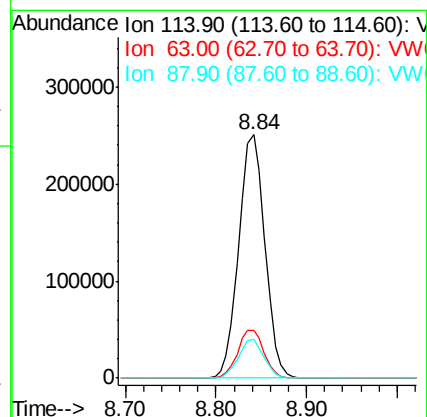
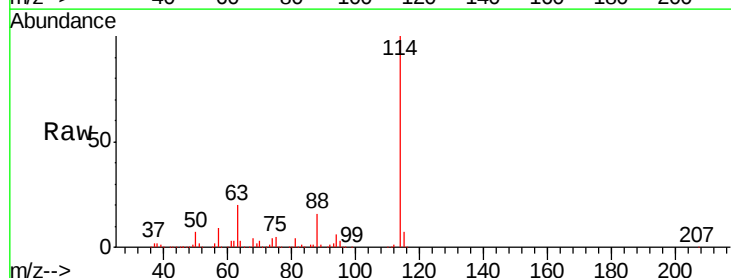
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

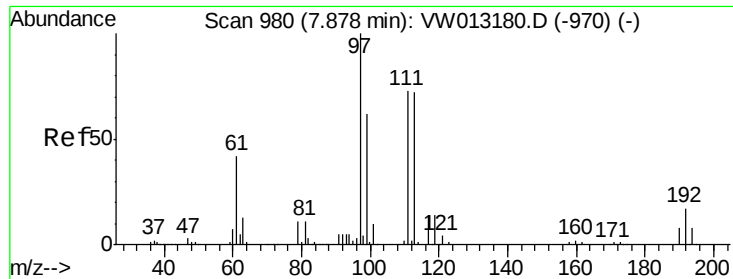
Tgt Ion: 65 Resp: 140848
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013243.D
 Acq: 23 Sep 2019 20:49

Tgt Ion: 114 Resp: 503170
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 41.4
 88 15.9 0.0 32.0





#35

Dibromofluoromethane

Concen: 51.136 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

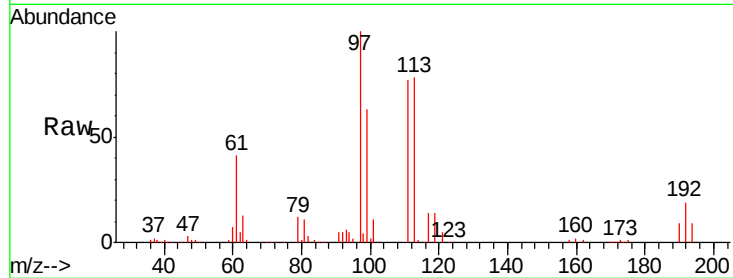
Tgt Ion:113 Resp: 141516

Ion Ratio Lower Upper

113 100

111 100.3 81.9 122.9

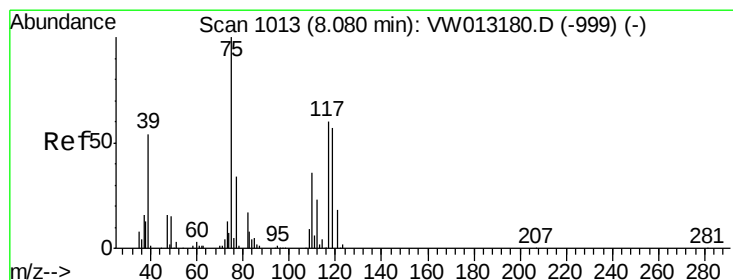
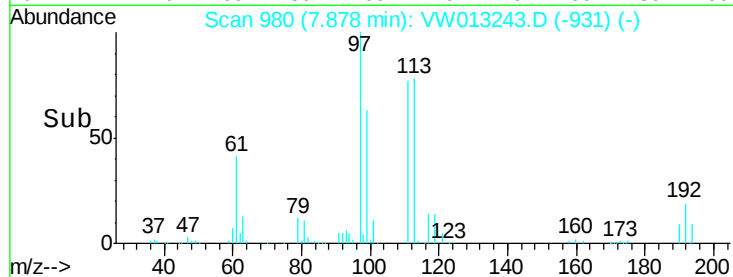
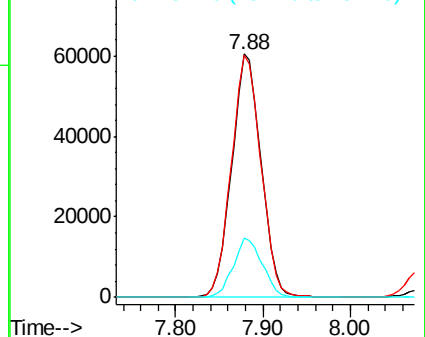
192 24.0 19.1 28.7



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: 47.529 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

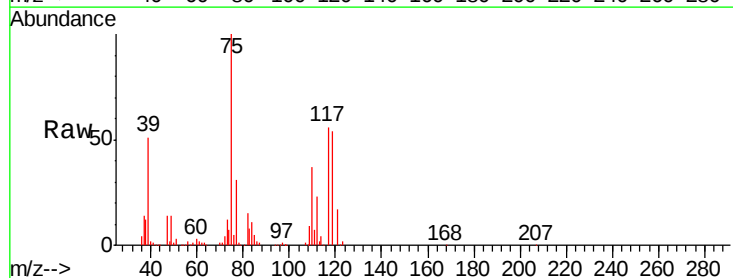
Tgt Ion: 75 Resp: 231633

Ion Ratio Lower Upper

75 100

110 36.7 18.1 54.3

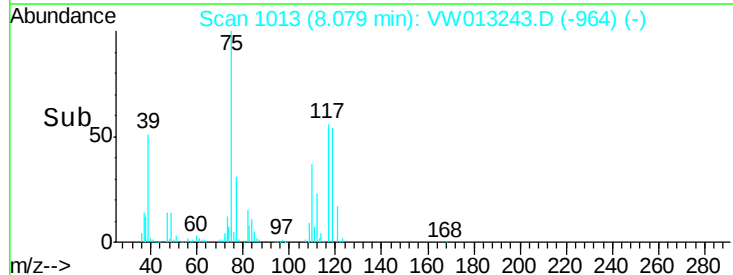
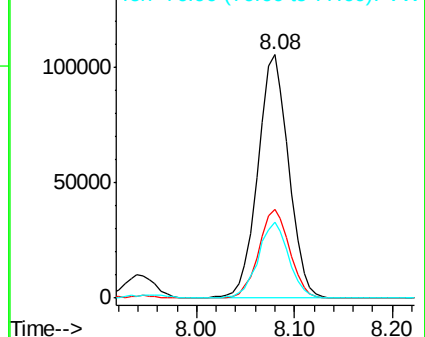
77 31.2 25.8 38.6

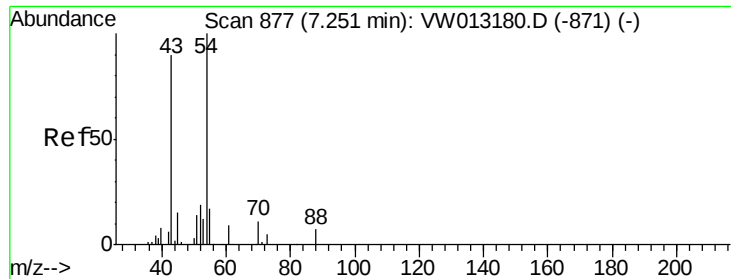


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

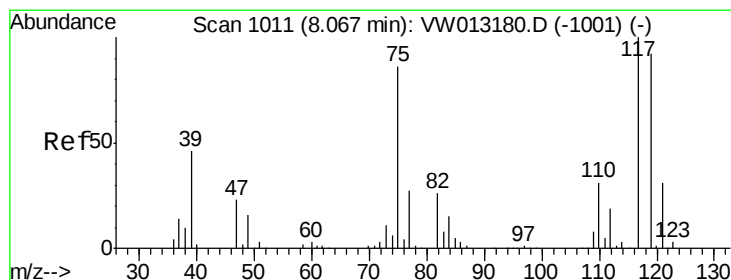
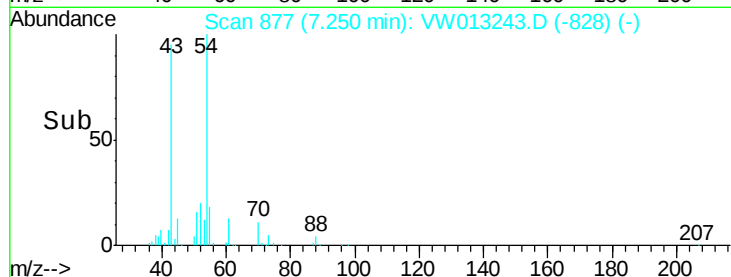
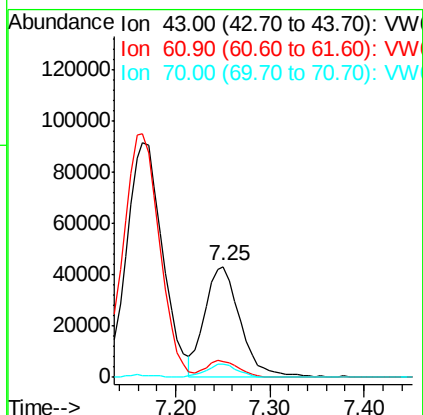
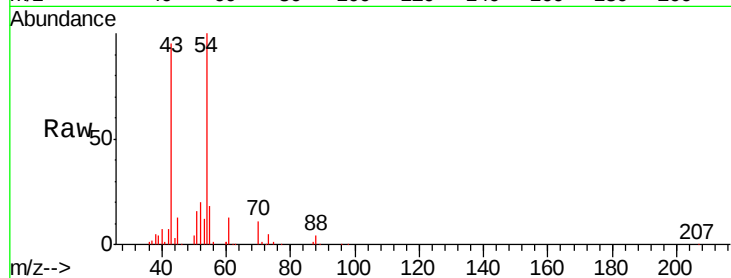




#37
Ethyl Acetate
Concen: 54.016 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

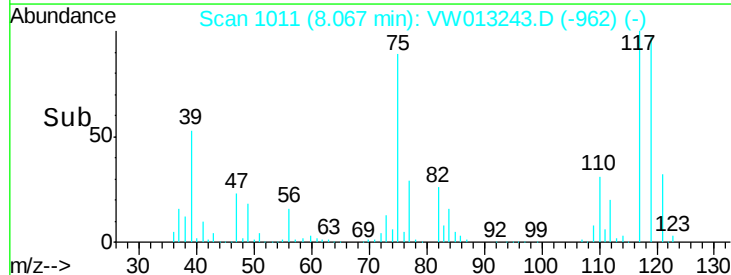
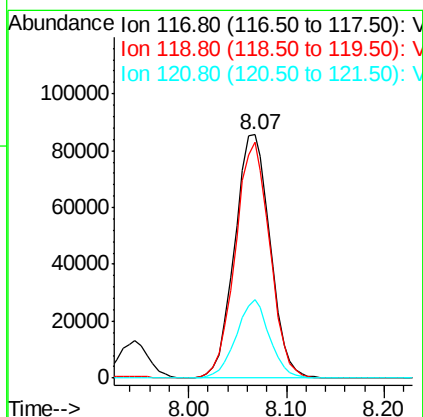
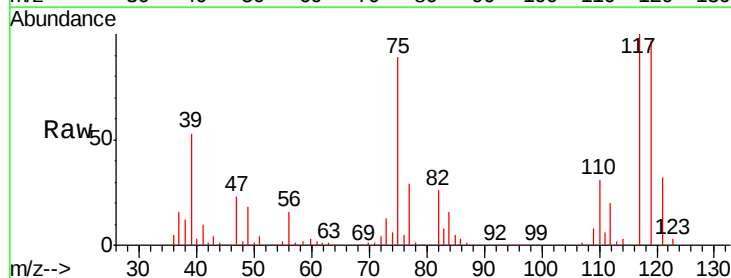
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

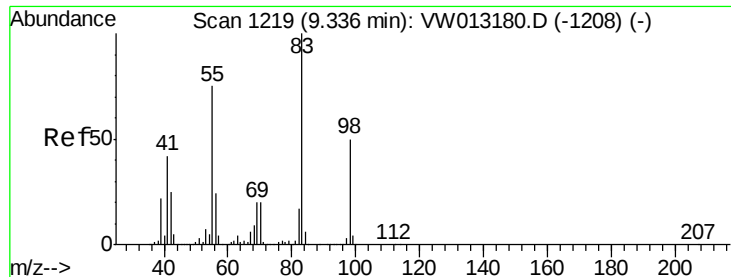
Tgt Ion: 43 Resp: 111881
Ion Ratio Lower Upper
43 100
61 14.0 10.9 16.3
70 10.8 8.2 12.2



#38
Carbon Tetrachloride
Concen: 49.336 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

Tgt Ion: 117 Resp: 215541
Ion Ratio Lower Upper
117 100
119 96.7 73.5 110.3
121 32.1 25.0 37.6

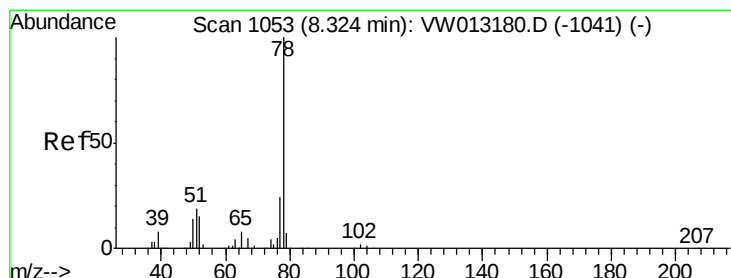
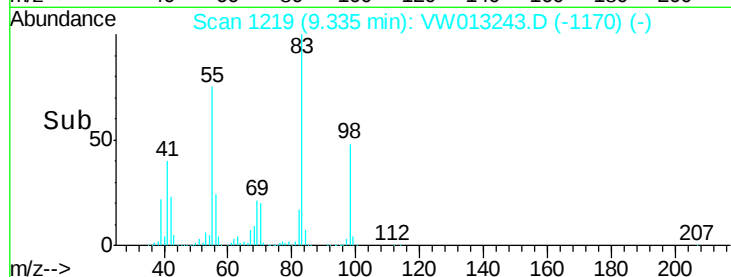
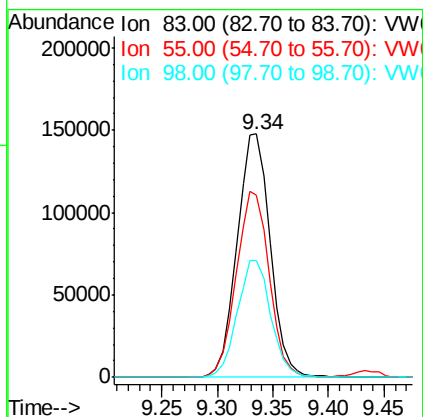
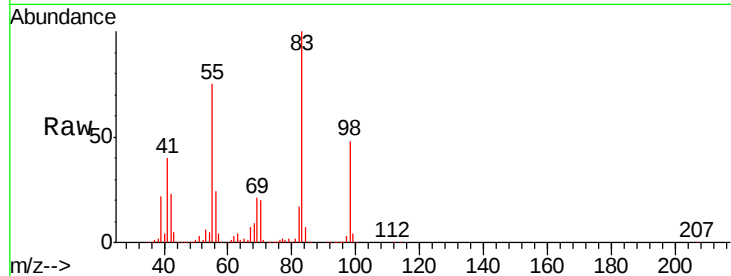




#39
Methylcyclohexane
Concen: 48.784 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

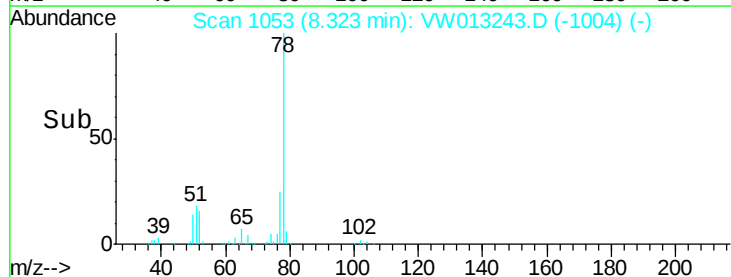
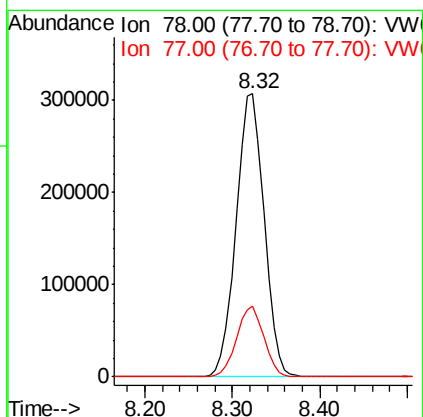
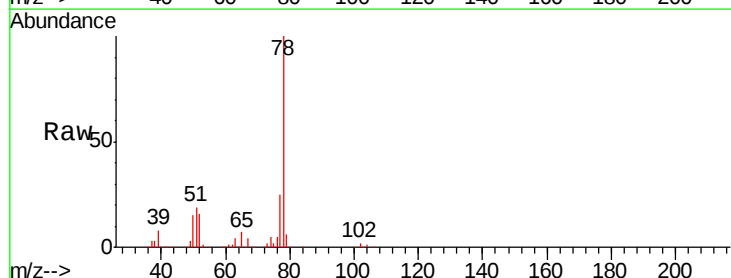
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

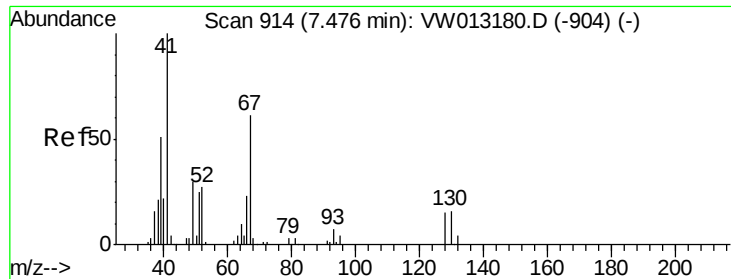
Tgt Ion: 83 Resp: 305539
Ion Ratio Lower Upper
83 100
55 75.0 60.4 90.6
98 48.1 40.0 60.0



#40
Benzene
Concen: 50.447 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

Tgt Ion: 78 Resp: 685763
Ion Ratio Lower Upper
78 100
77 24.9 19.1 28.7





#41

Methacrylonitrile

Concen: 55.018 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 68013

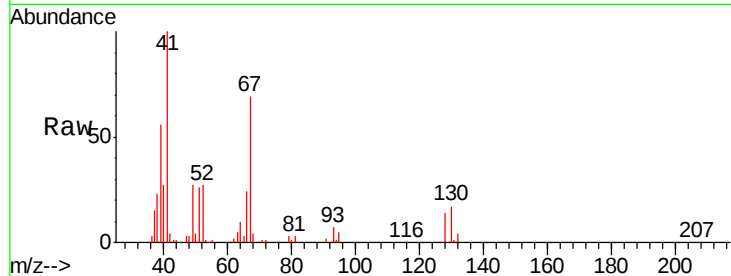
Ion Ratio Lower Upper

41 100

39 52.2 45.9 68.9

67 68.8 54.5 81.7

52 27.3 22.5 33.7

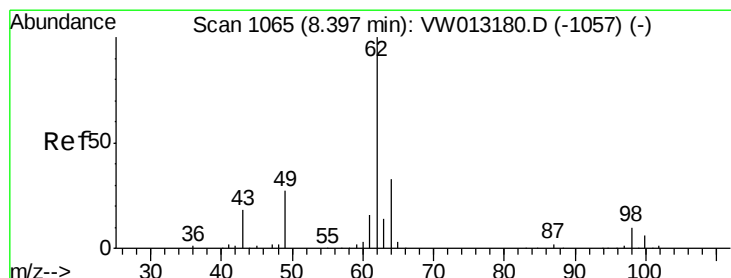
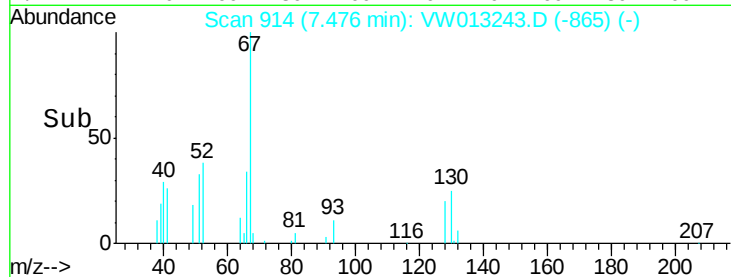
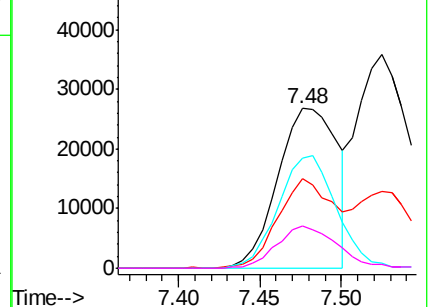


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 50.893 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013243.D

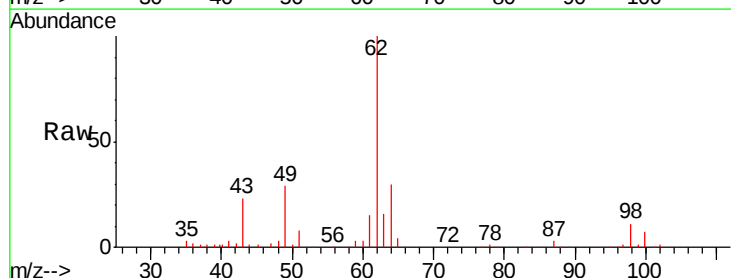
Acq: 23 Sep 2019 20:49

Tgt Ion: 62 Resp: 185977

Ion Ratio Lower Upper

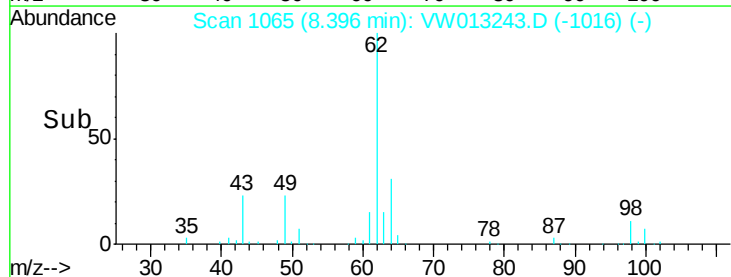
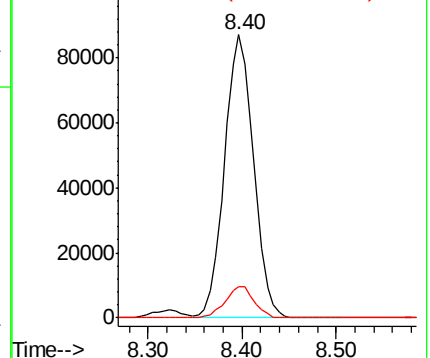
62 100

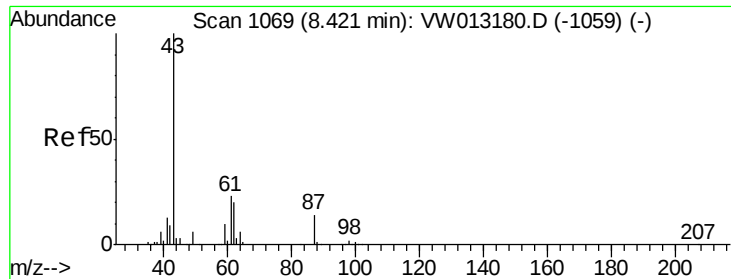
98 11.1 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 53.675 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

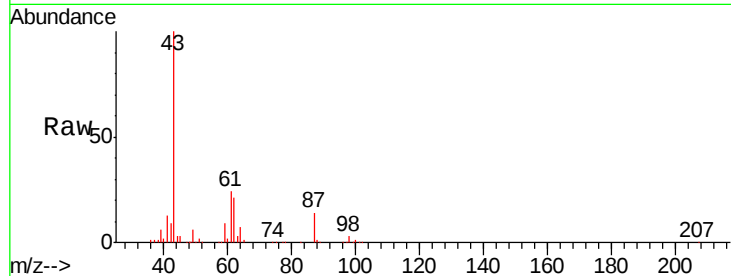
Tgt Ion: 43 Resp: 213077

Ion Ratio Lower Upper

43 100

61 30.9 25.5 38.3

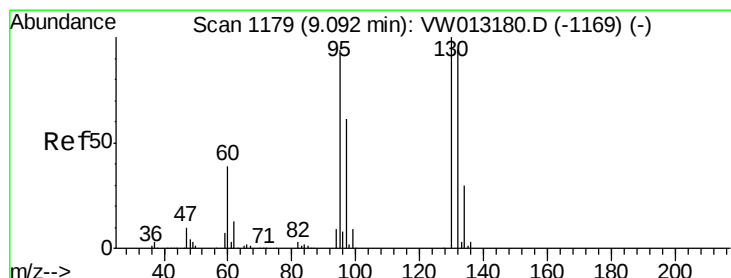
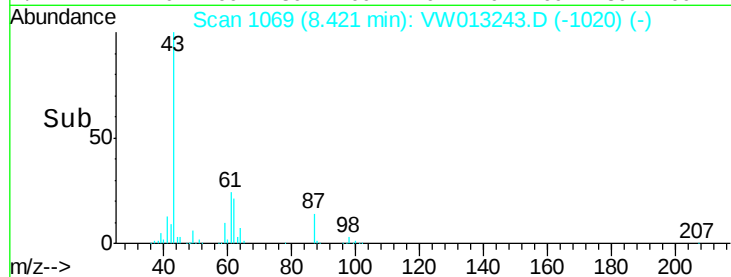
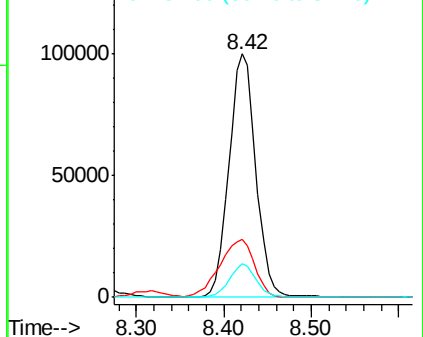
87 13.4 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 49.356 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013243.D

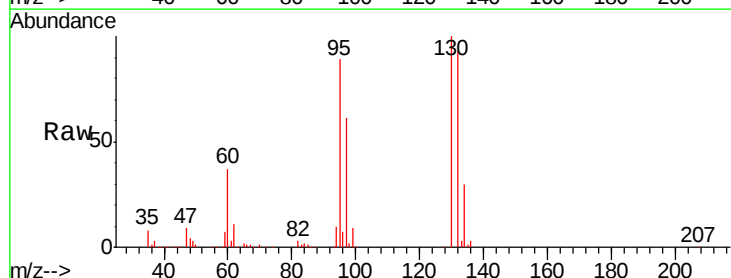
Acq: 23 Sep 2019 20:49

Tgt Ion: 130 Resp: 188244

Ion Ratio Lower Upper

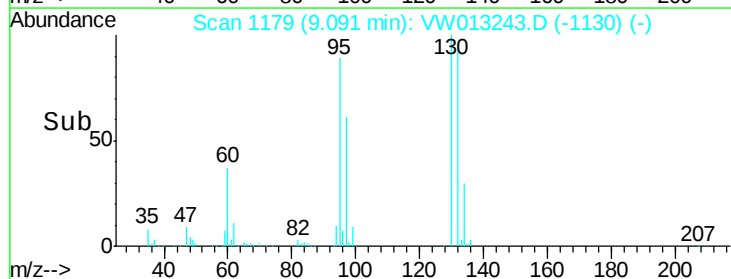
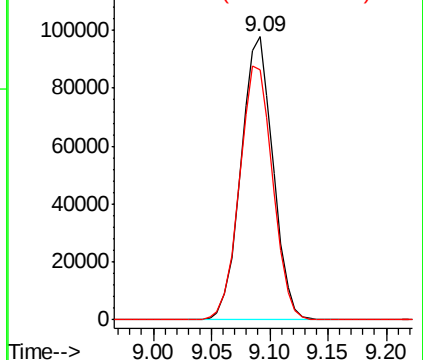
130 100

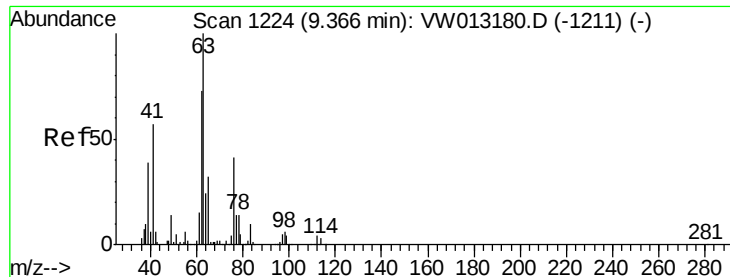
95 88.5 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 51.702 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

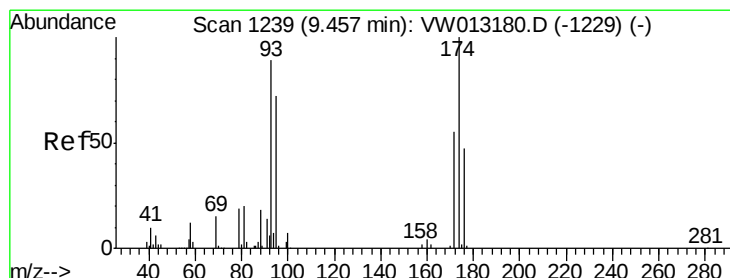
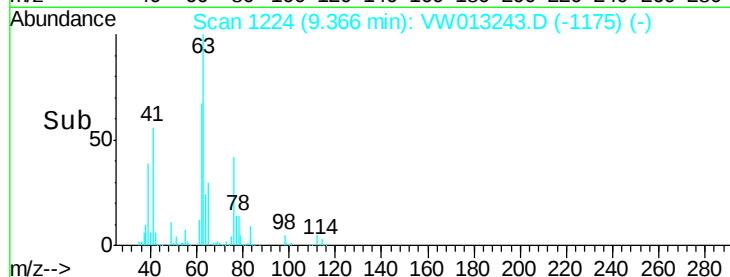
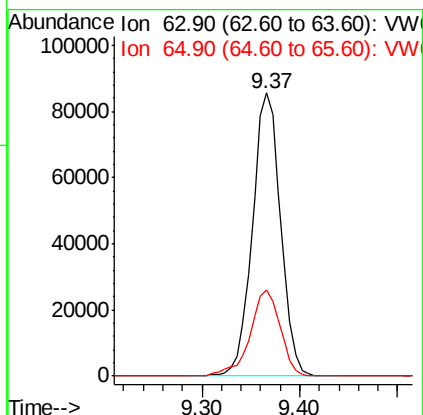
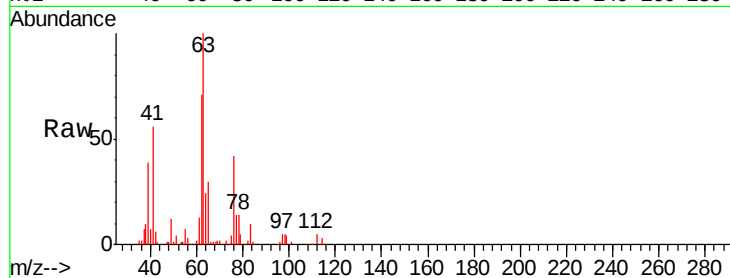
VSTDCCC050EC

Tgt Ion: 63 Resp: 171591

Ion Ratio Lower Upper

63 100

65 30.4 25.3 37.9



#46

Dibromomethane

Concen: 52.360 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

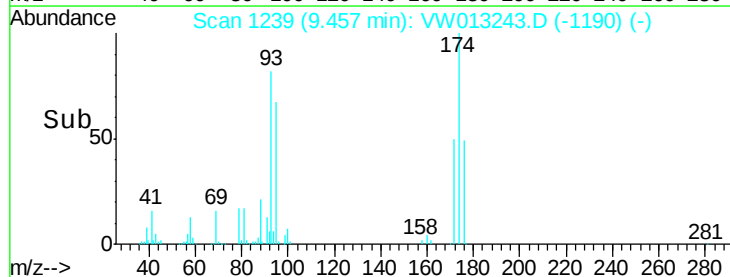
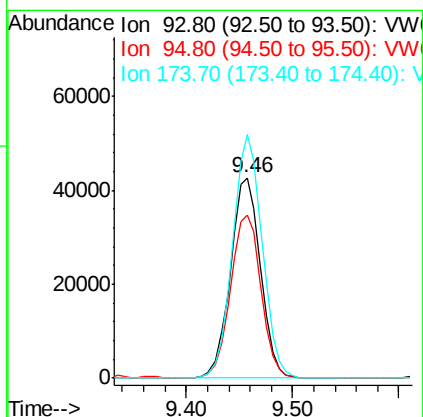
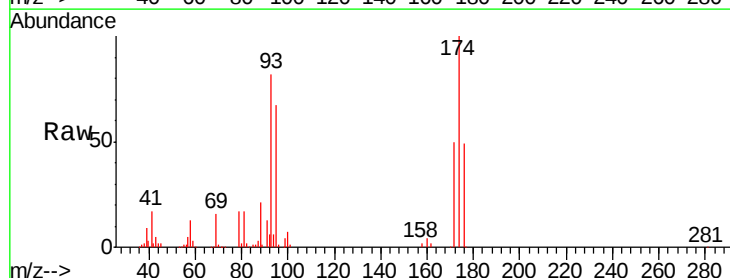
Tgt Ion: 93 Resp: 84367

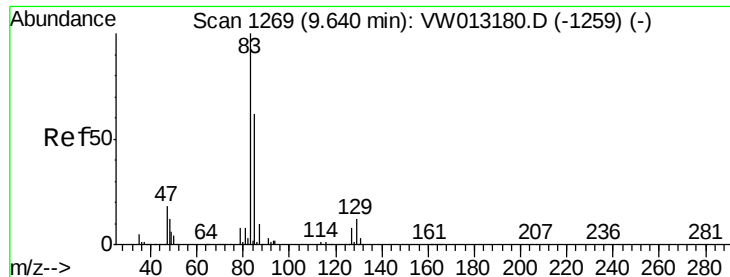
Ion Ratio Lower Upper

93 100

95 82.9 66.4 99.6

174 119.7 93.0 139.6





#47

Bromodichloromethane

Concen: 51.716 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

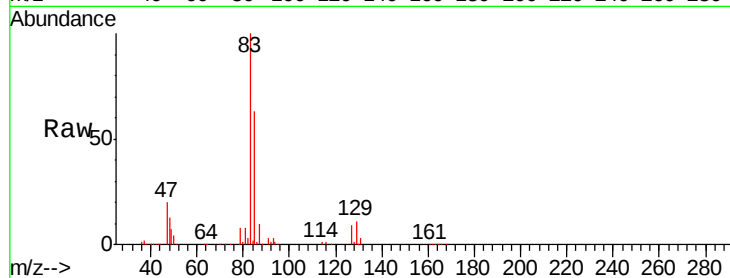
Tgt Ion: 83 Resp: 212034

Ion Ratio Lower Upper

83 100

85 63.5 49.4 74.2

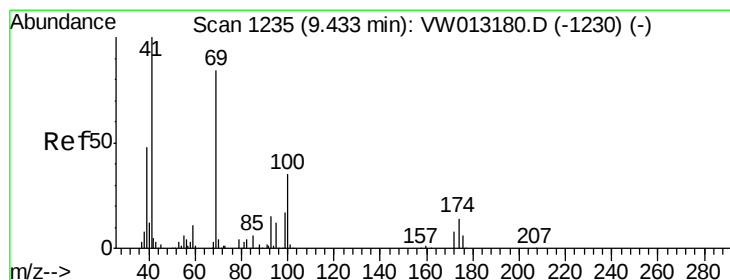
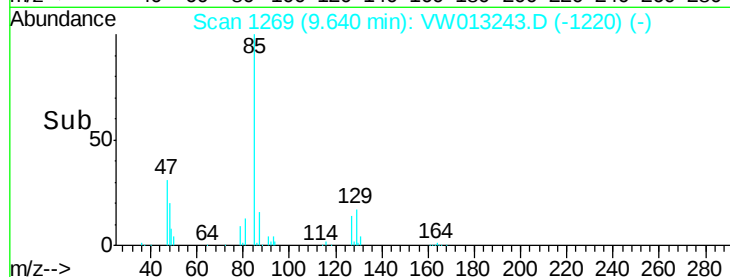
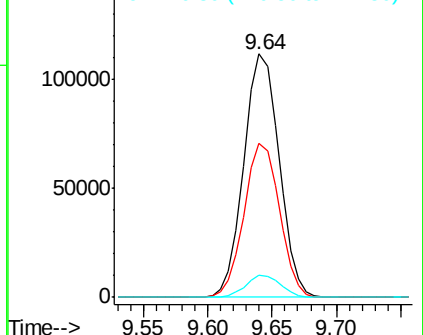
127 9.0 6.5 9.7



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): VW



#48

Methyl methacrylate

Concen: 53.237 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

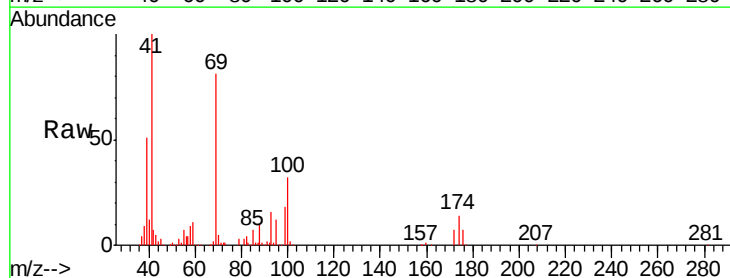
Tgt Ion: 41 Resp: 99377

Ion Ratio Lower Upper

41 100

69 88.8 69.7 104.5

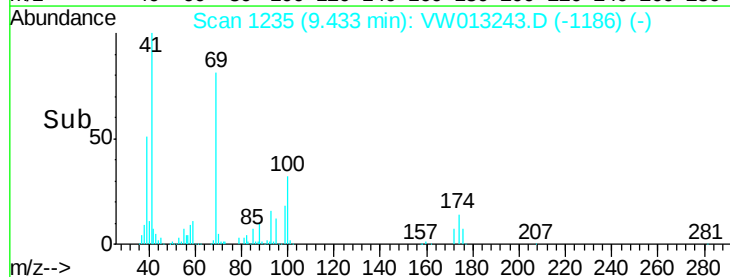
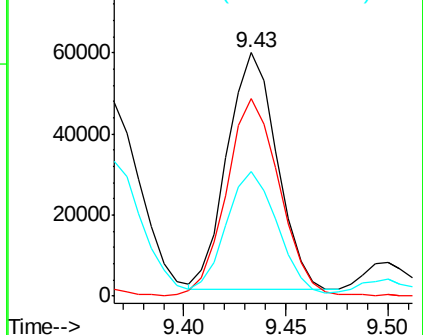
39 52.2 41.1 61.7

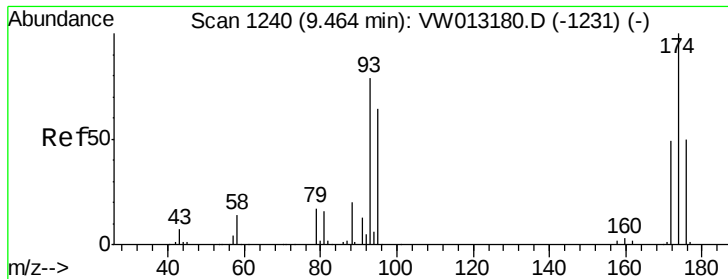


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1134.566 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.02 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

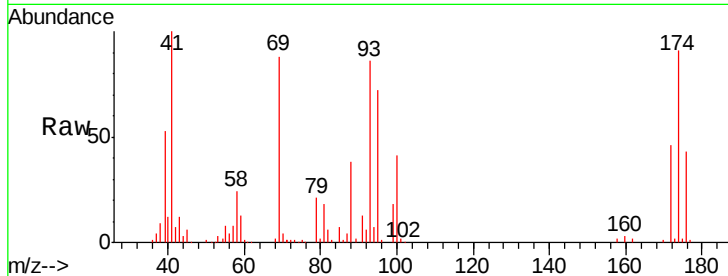
Tgt Ion: 88 Resp: 27441

Ion Ratio Lower Upper

88 100

43 32.5 0.0 0.0#

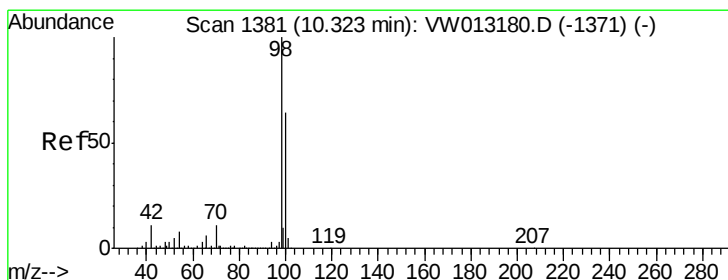
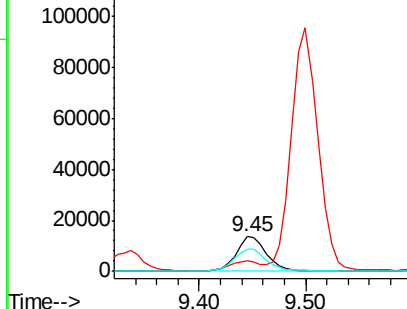
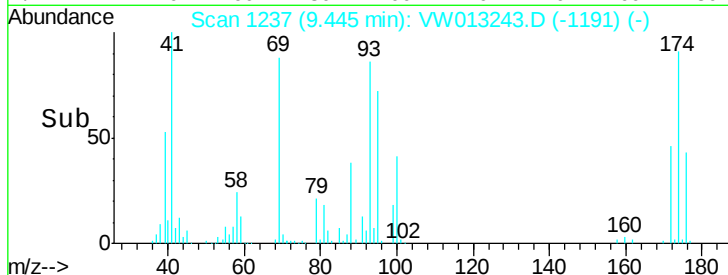
58 70.1 65.4 98.0



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: 49.580 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013243.D

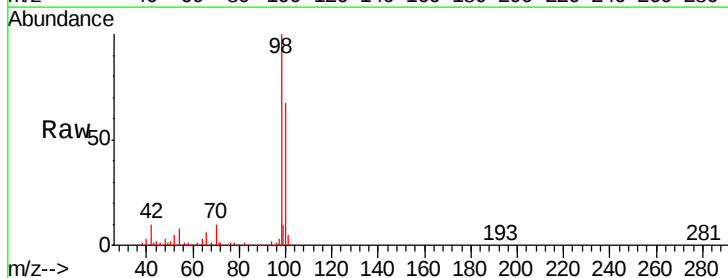
Acq: 23 Sep 2019 20:49

Tgt Ion: 98 Resp: 574237

Ion Ratio Lower Upper

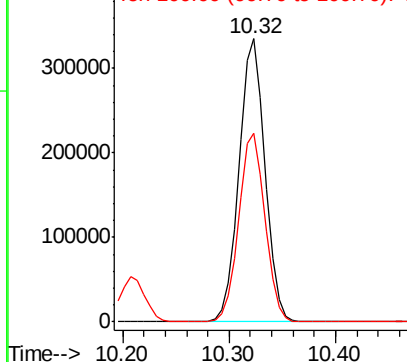
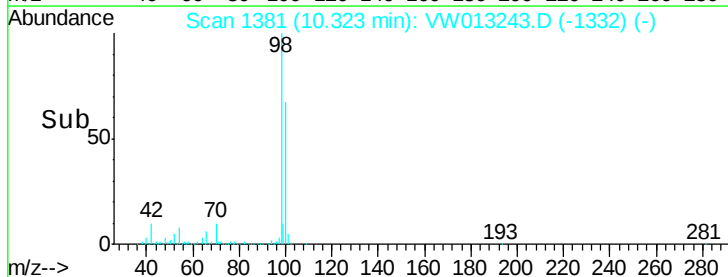
98 100

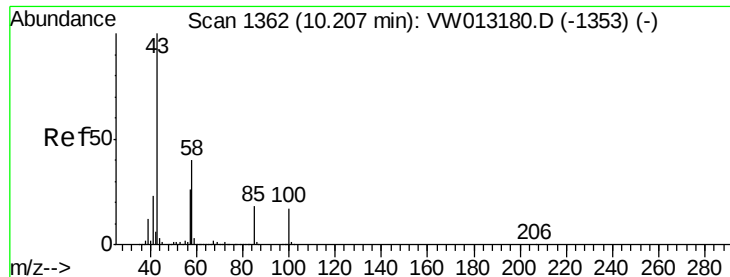
100 67.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

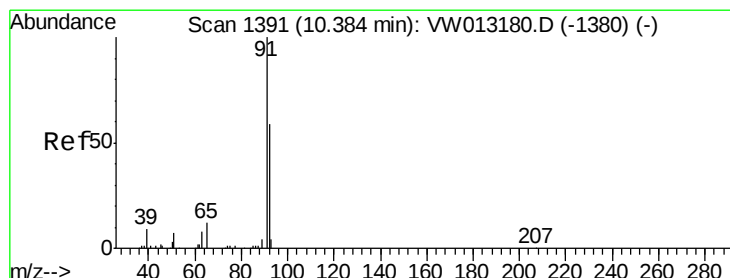
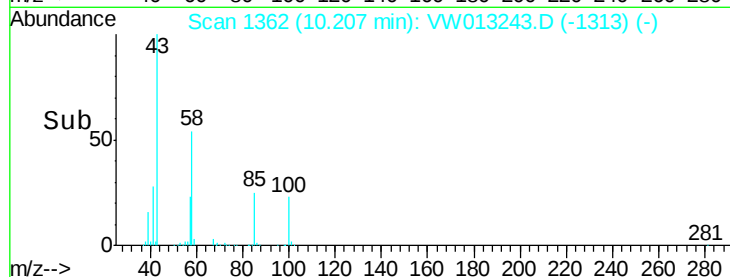
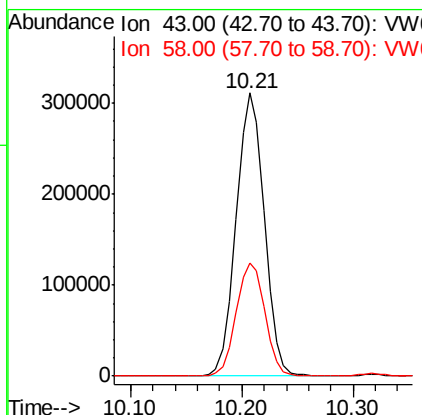
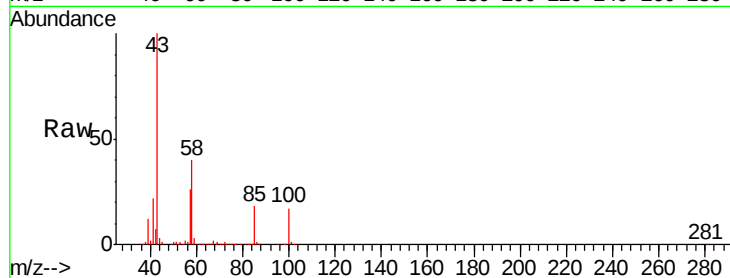




#51
 4-Methyl-2-Pentanone
 Concen: 273.106 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013243.D
 Acq: 23 Sep 2019 20:49

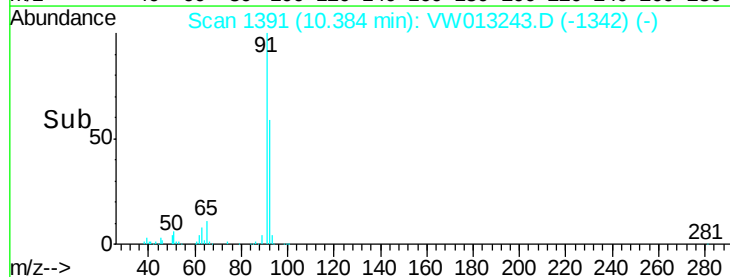
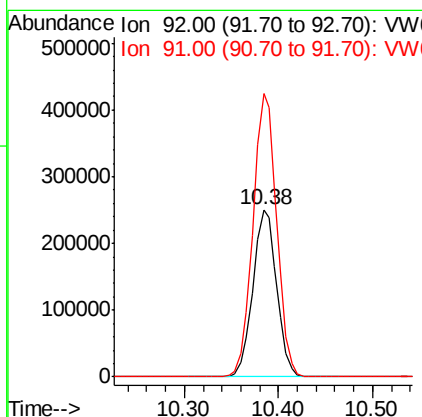
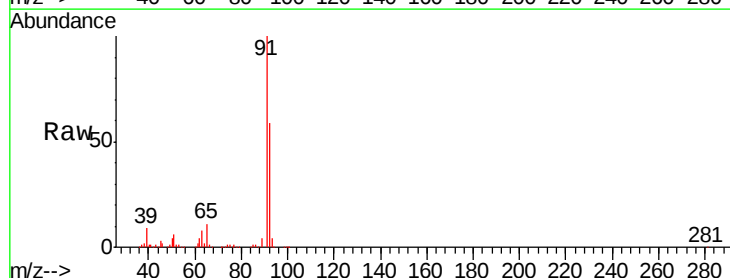
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

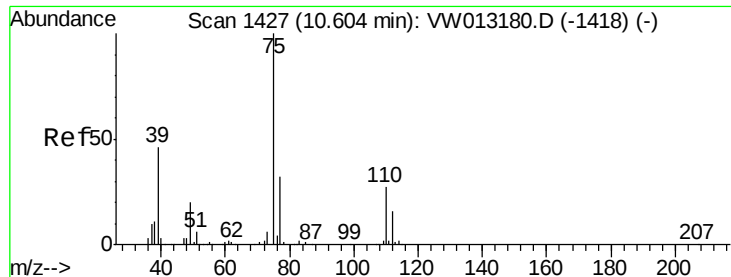
Tgt Ion: 43 Resp: 543516
 Ion Ratio Lower Upper
 43 100
 58 40.7 31.7 47.5



#52
 Toluene
 Concen: 50.968 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW013243.D
 Acq: 23 Sep 2019 20:49

Tgt Ion: 92 Resp: 444038
 Ion Ratio Lower Upper
 92 100
 91 169.5 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 53.270 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

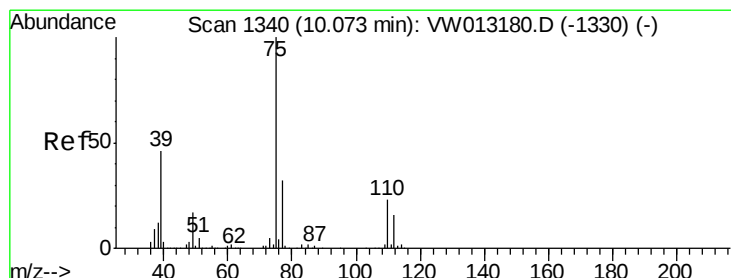
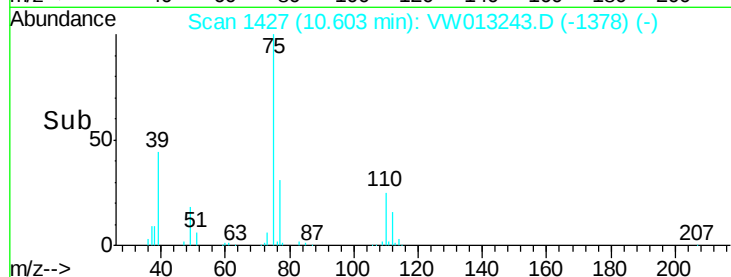
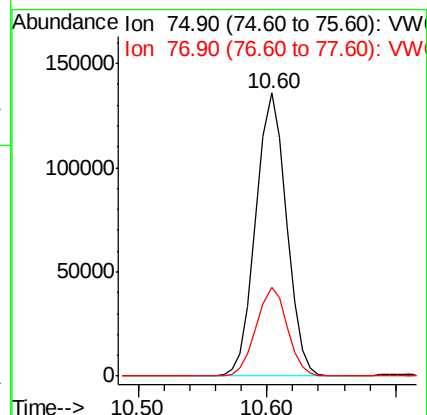
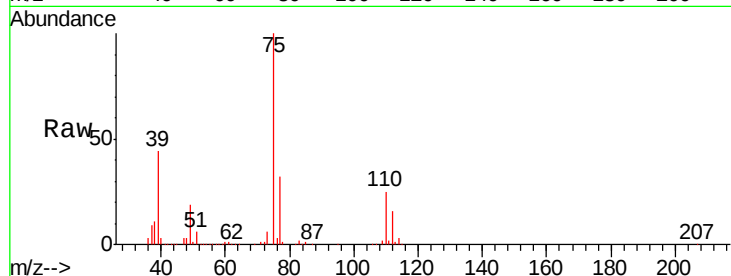
VSTDCCC050EC

Tgt Ion: 75 Resp: 224389

Ion Ratio Lower Upper

75 100

77 31.4 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 52.180 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

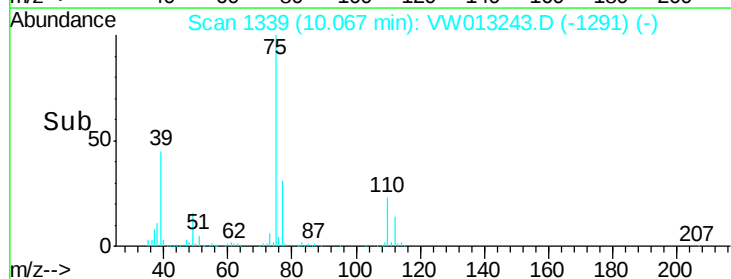
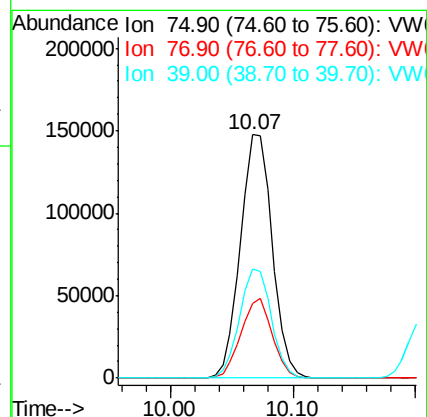
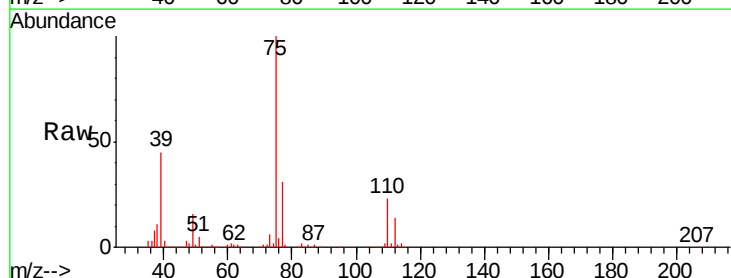
Tgt Ion: 75 Resp: 267247

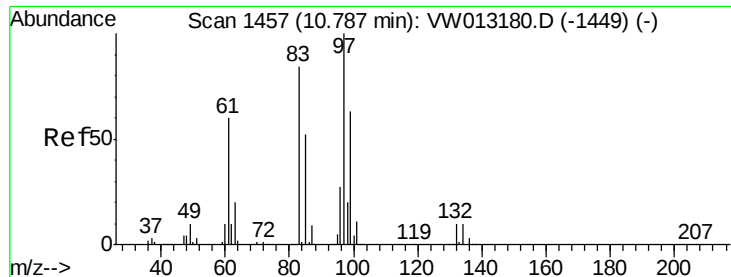
Ion Ratio Lower Upper

75 100

77 30.5 25.2 37.8

39 44.7 36.6 55.0

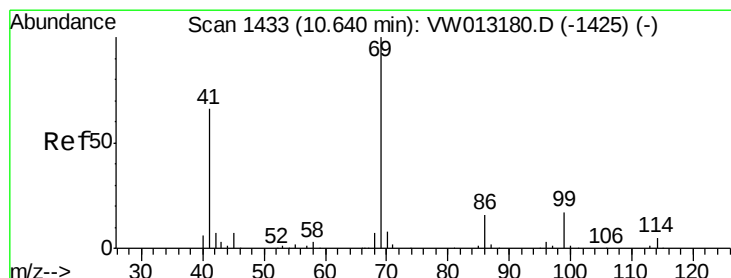
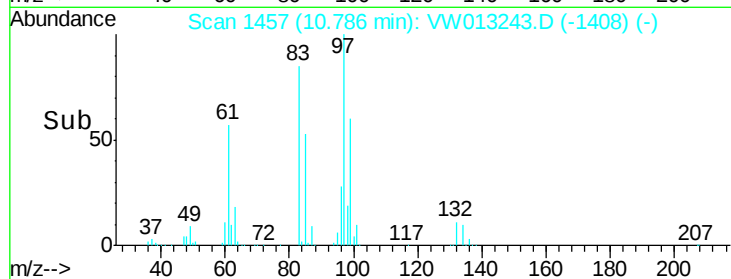
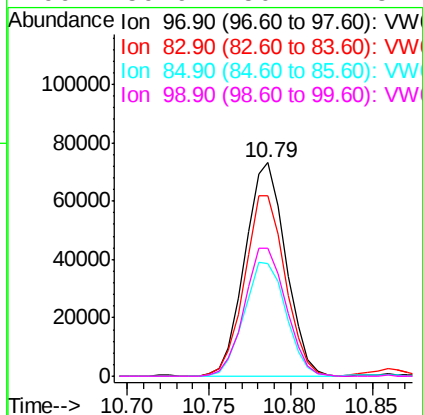
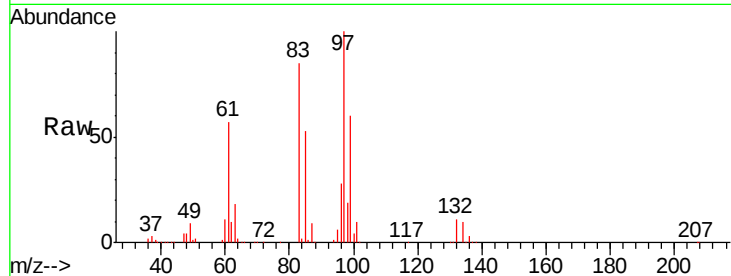




#55
 1,1,2-Trichloroethane
 Concen: 53.143 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013243.D
 Acq: 23 Sep 2019 20:49

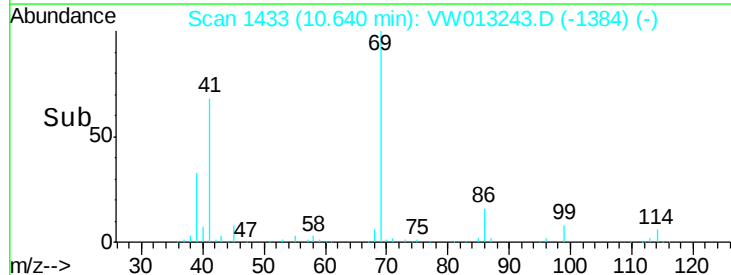
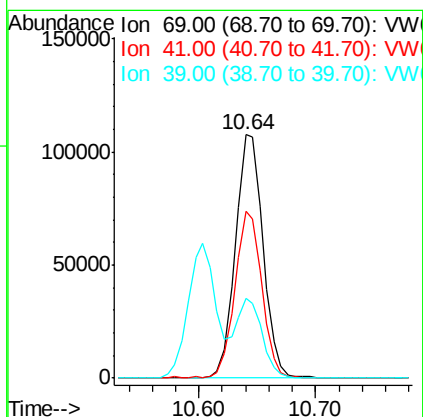
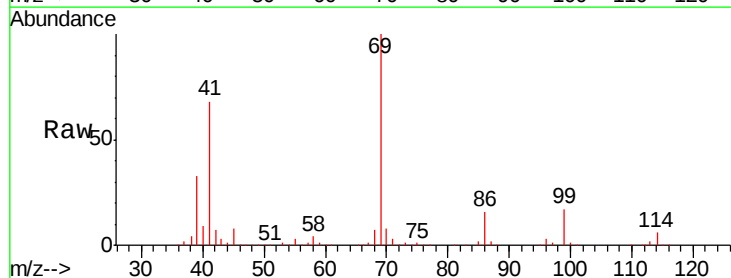
Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050EC

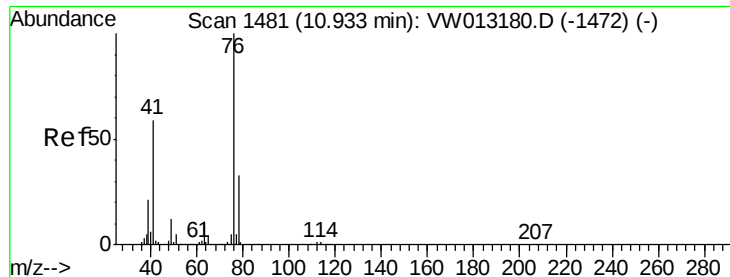
Tgt Ion:	97	Resp:	127986
Ion	Ratio	Lower	Upper
97	100		
83	84.6	67.6	101.4
85	52.7	41.9	62.9
99	59.9	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 56.525 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: VW013243.D
 Acq: 23 Sep 2019 20:49

Tgt Ion:	69	Resp:	178158
Ion	Ratio	Lower	Upper
69	100		
41	66.1	53.9	80.9
39	28.3	23.8	35.6

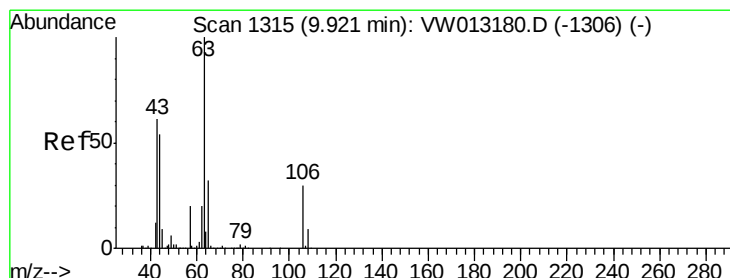
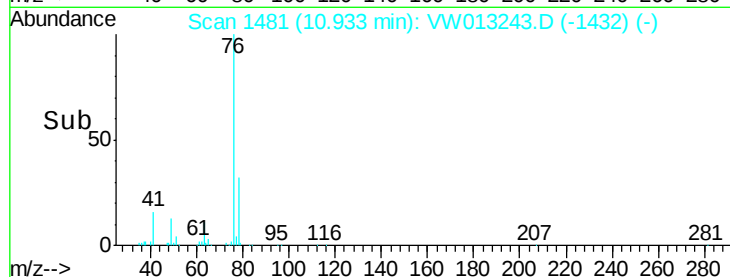
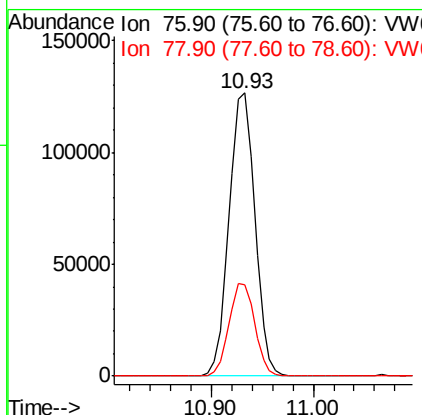
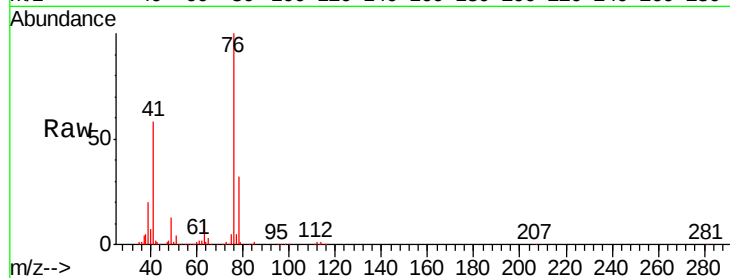




#57
 1,3-Dichloropropane
 Concen: 52.775 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013243.D
 Acq: 23 Sep 2019 20:49

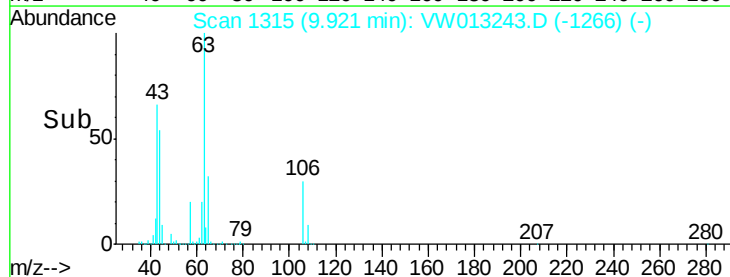
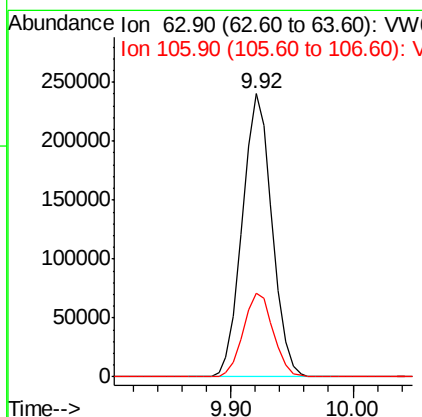
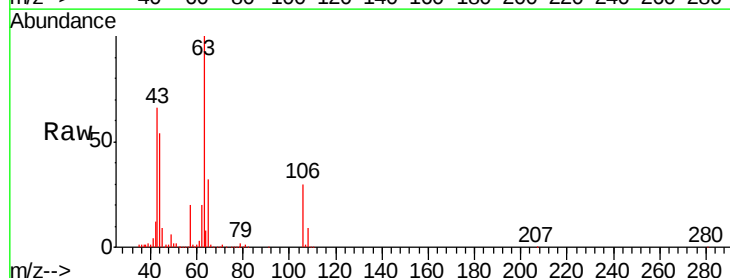
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

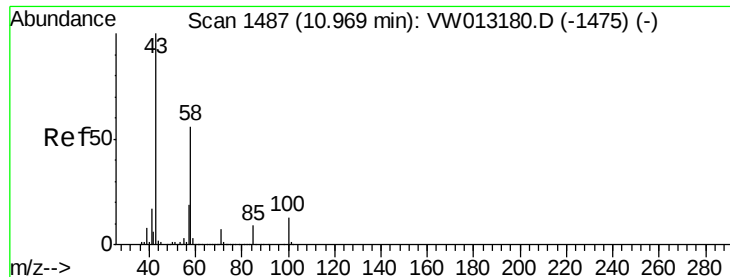
Tgt Ion: 76 Resp: 221794
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 277.363 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013243.D
 Acq: 23 Sep 2019 20:49

Tgt Ion: 63 Resp: 404712
 Ion Ratio Lower Upper
 63 100
 106 29.8 23.4 35.0

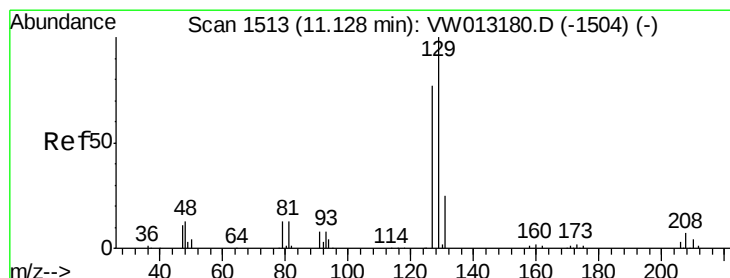
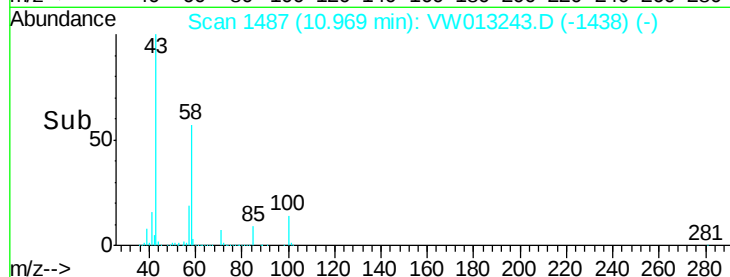
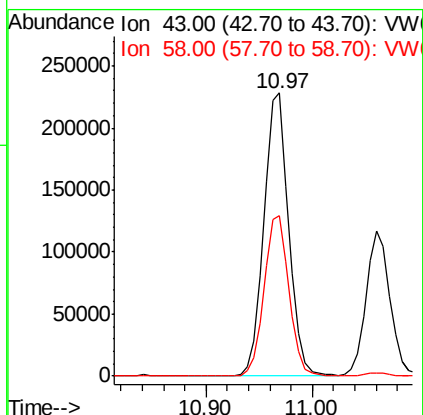
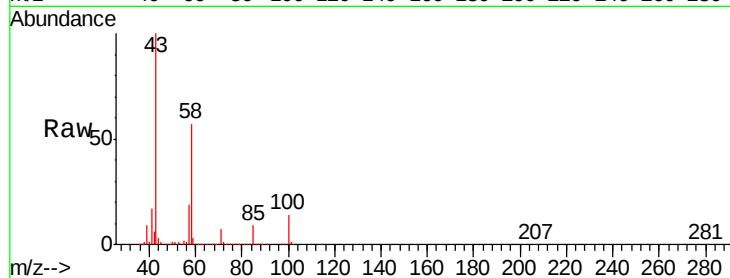




#59
2-Hexanone
Concen: 271.927 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

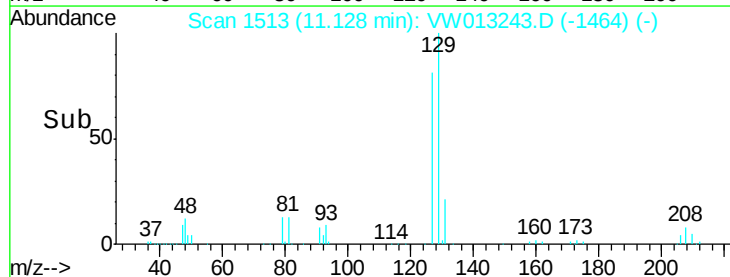
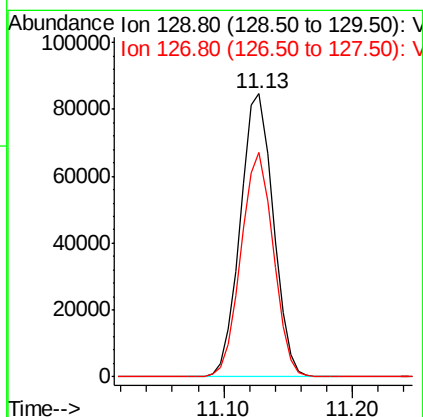
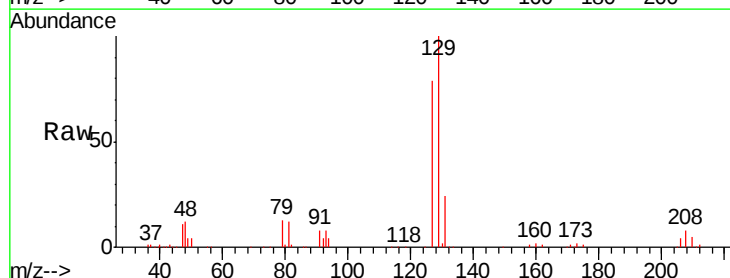
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

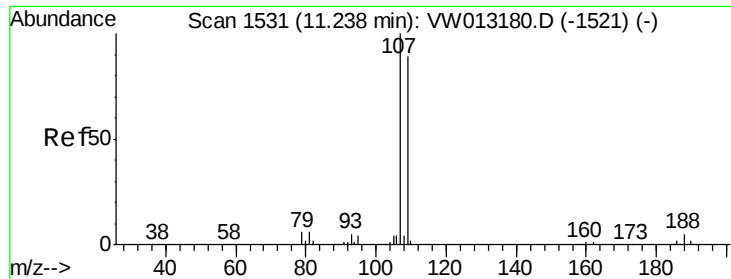
Tgt Ion: 43 Resp: 372324
Ion Ratio Lower Upper
43 100
58 56.9 28.1 84.2



#60
Dibromochloromethane
Concen: 54.874 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

Tgt Ion: 129 Resp: 150059
Ion Ratio Lower Upper
129 100
127 77.7 38.8 116.4

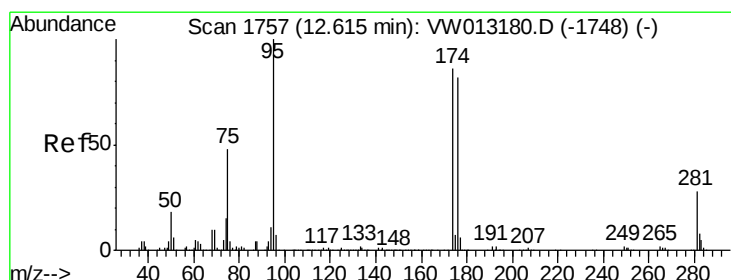
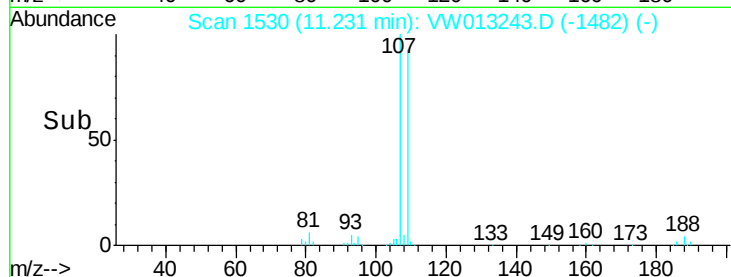
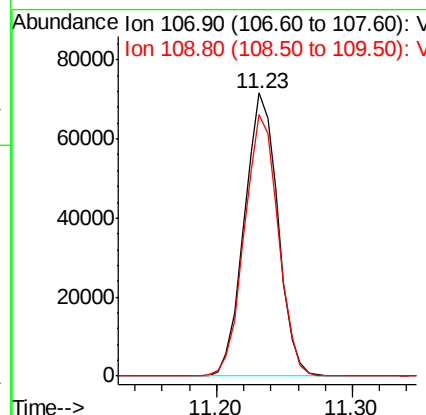
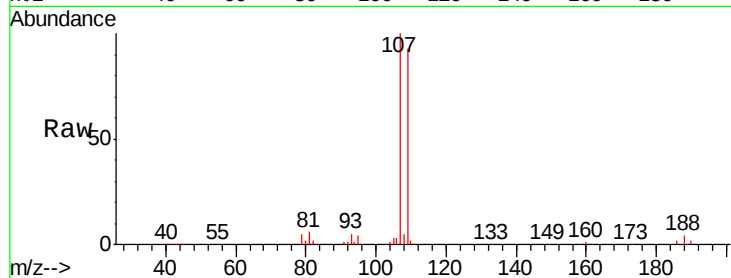




#61
1,2-Dibromoethane
Concen: 53.905 ug/l
RT: 11.23 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

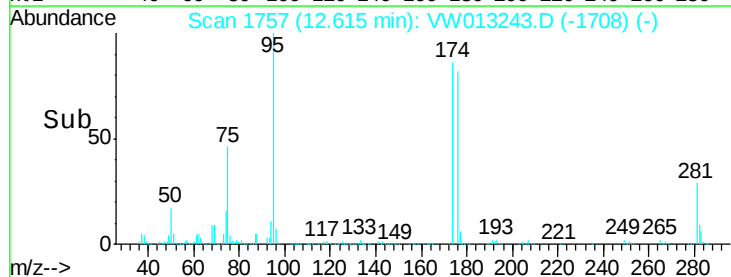
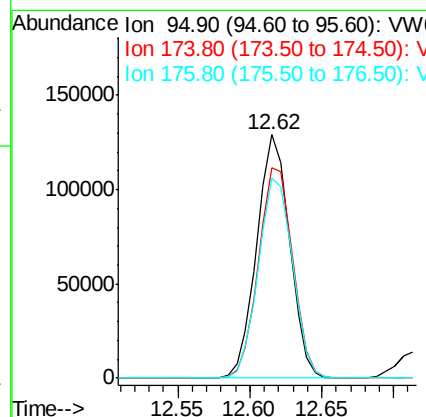
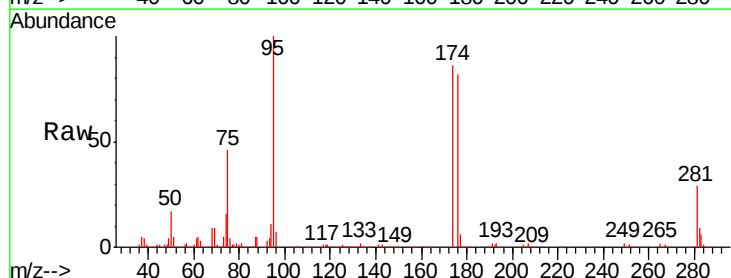
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

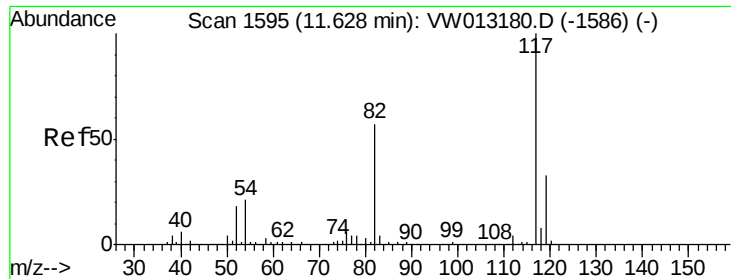
Tgt Ion: 107 Resp: 123434
Ion Ratio Lower Upper
107 100
109 93.5 75.2 112.8



#62
4-Bromofluorobenzene
Concen: 51.568 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

Tgt Ion: 95 Resp: 204019
Ion Ratio Lower Upper
95 100
174 89.5 0.0 178.4
176 85.4 0.0 172.2

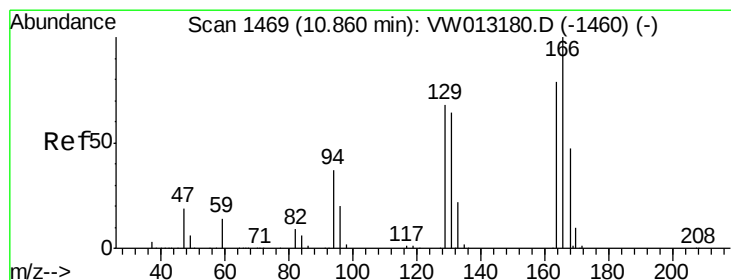
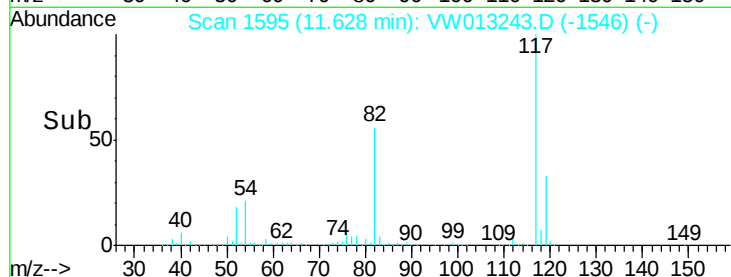
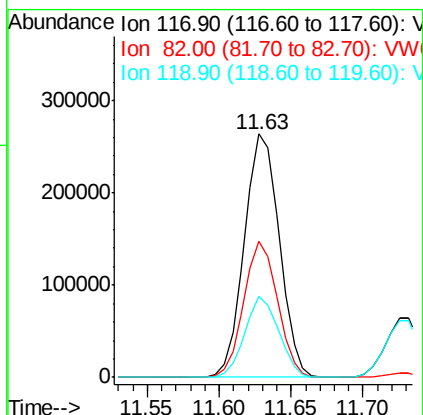
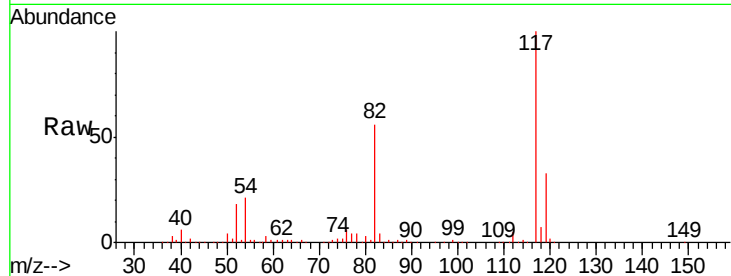




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

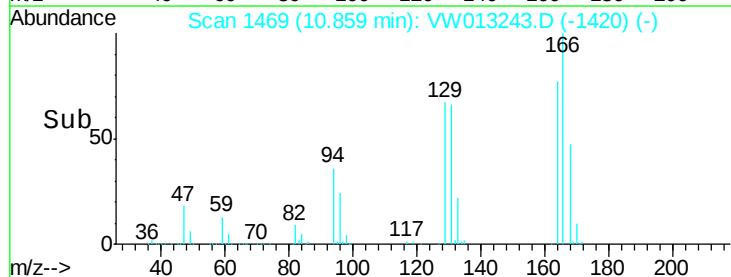
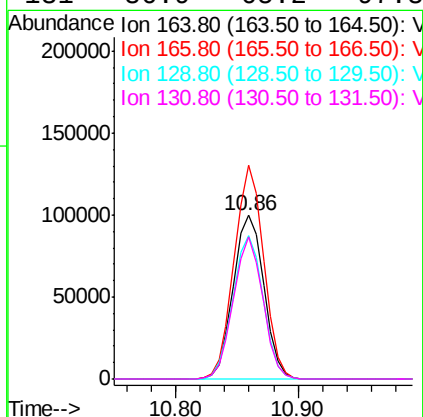
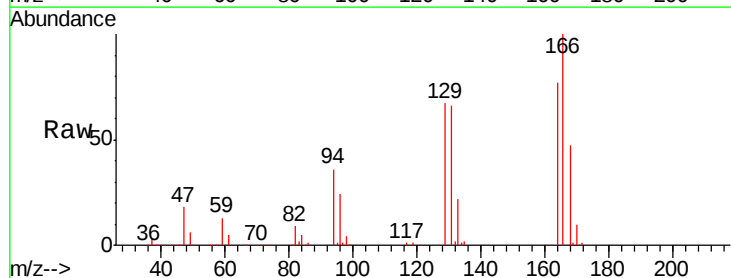
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

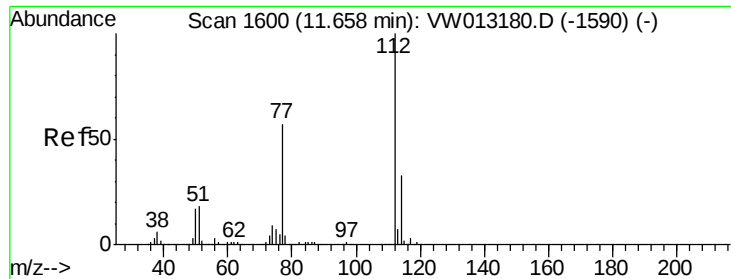
Tgt Ion:117 Resp: 444404
Ion Ratio Lower Upper
117 100
82 56.1 45.9 68.9
119 33.3 26.2 39.2



#64
Tetrachloroethene
Concen: 51.368 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

Tgt Ion:164 Resp: 173204
Ion Ratio Lower Upper
164 100
166 130.7 101.2 151.8
129 87.5 68.8 103.2
131 86.9 65.2 97.8

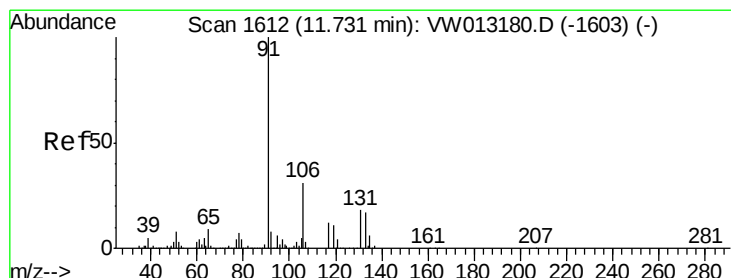
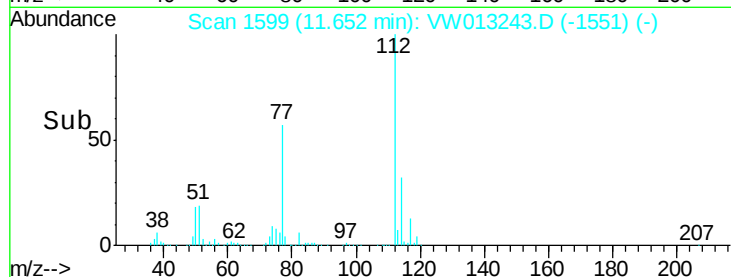
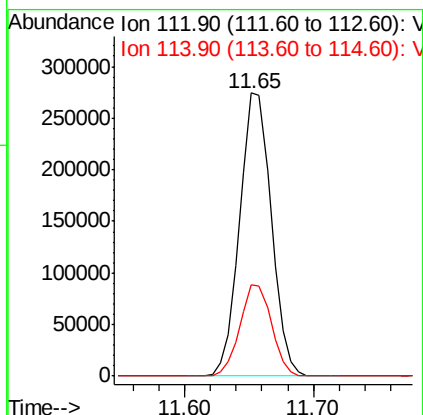
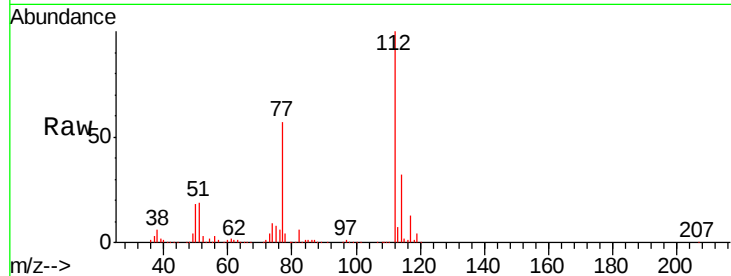




#65
Chlorobenzene
Concen: 50.337 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

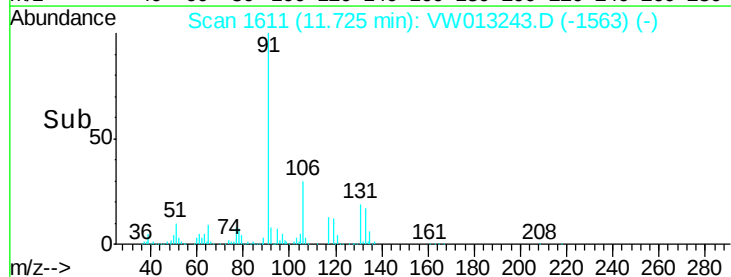
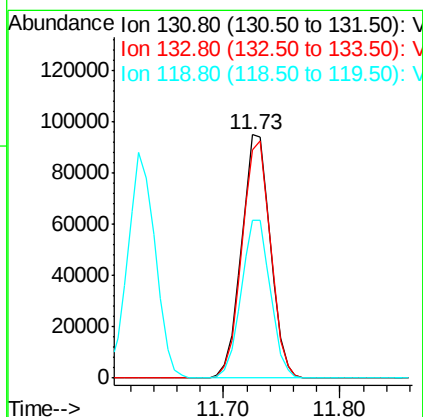
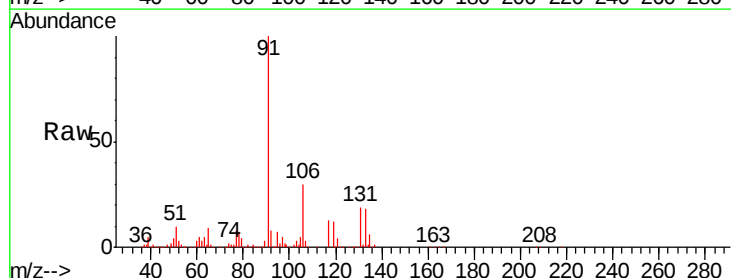
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

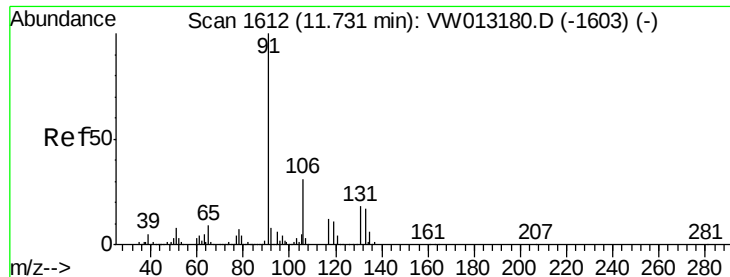
Tgt Ion:112 Resp: 467127
Ion Ratio Lower Upper
112 100
114 32.2 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 51.703 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

Tgt Ion:131 Resp: 163916
Ion Ratio Lower Upper
131 100
133 96.9 47.5 142.6
119 65.5 32.5 97.5

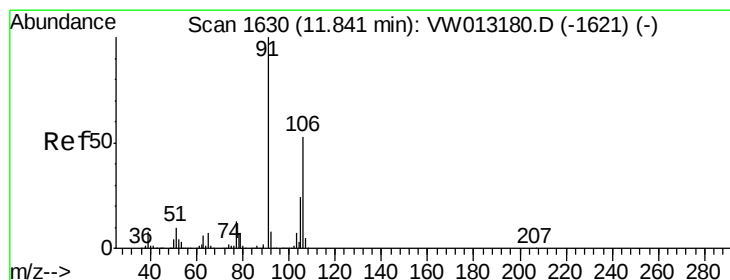
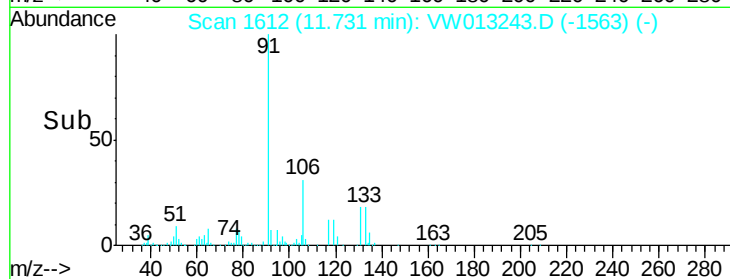
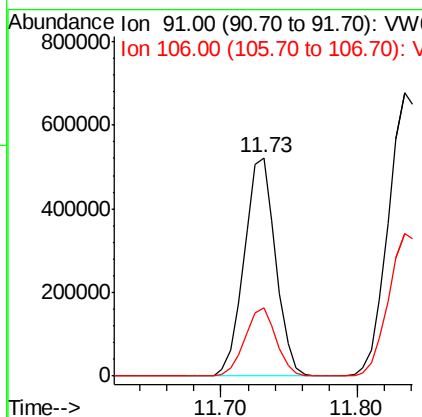
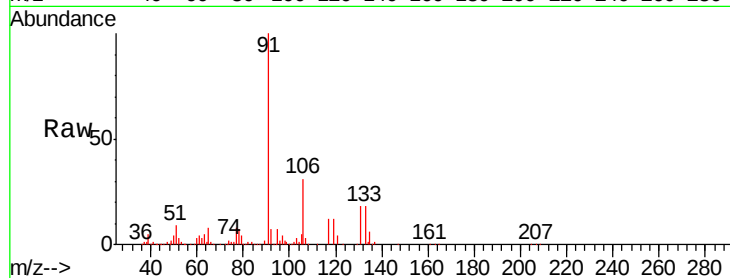




#67
Ethyl Benzene
Concen: 50.180 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

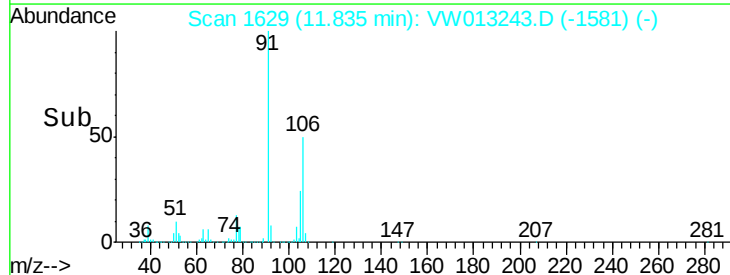
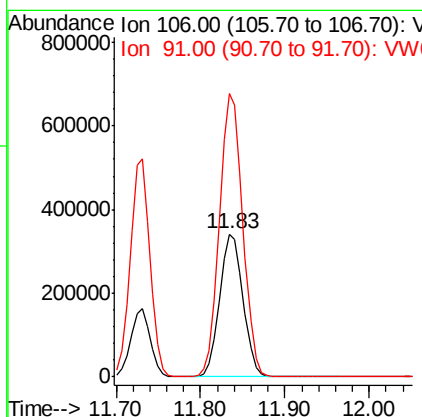
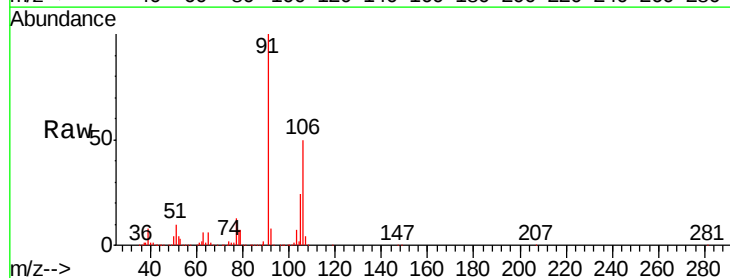
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

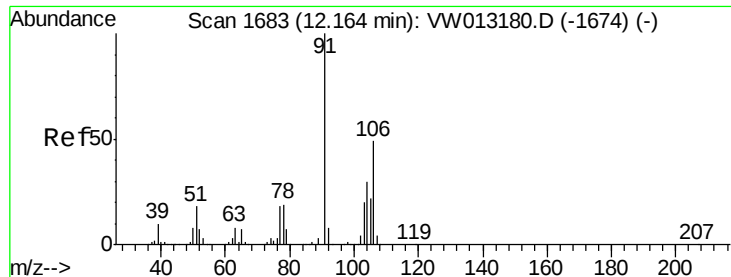
Tgt Ion: 91 Resp: 843743
Ion Ratio Lower Upper
91 100
106 31.0 24.9 37.3



#68
m/p-Xylenes
Concen: 100.781 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

Tgt Ion: 106 Resp: 645739
Ion Ratio Lower Upper
106 100
91 197.8 157.9 236.9

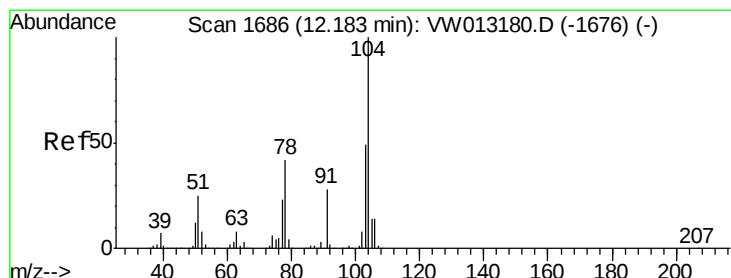
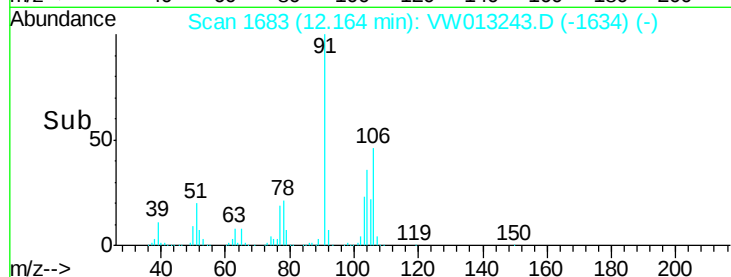
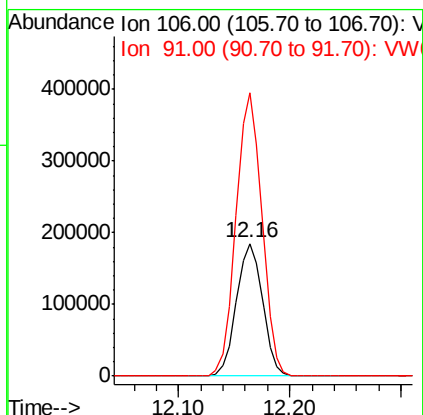
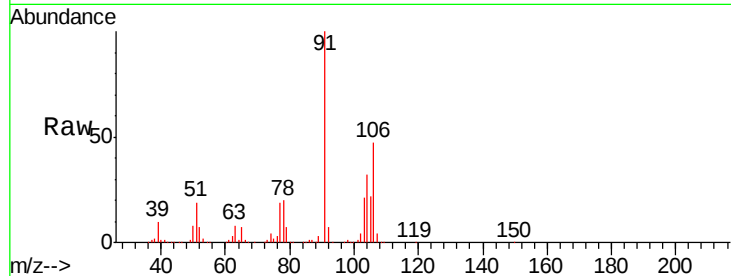




#69
o-Xylene
Concen: 50.430 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

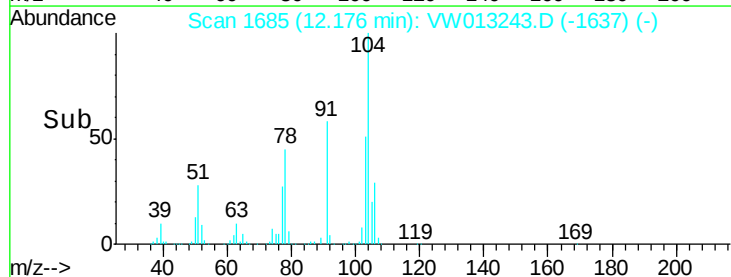
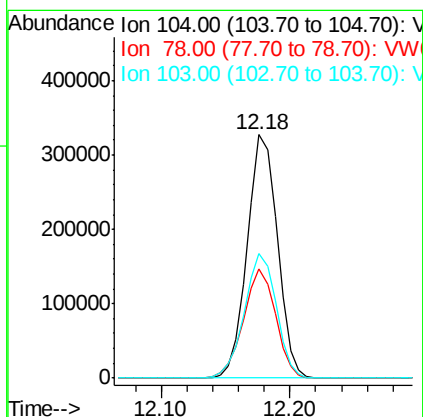
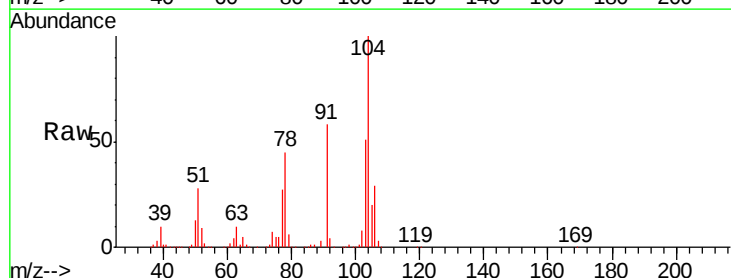
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

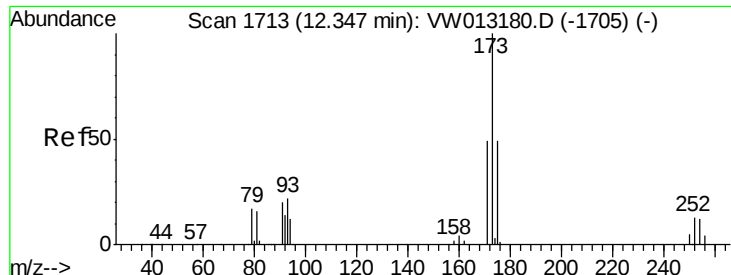
Tgt Ion:106 Resp: 300416
Ion Ratio Lower Upper
106 100
91 212.1 106.5 319.5



#70
Styrene
Concen: 51.812 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

Tgt Ion:104 Resp: 529886
Ion Ratio Lower Upper
104 100
78 47.9 38.4 57.6
103 54.4 43.3 64.9





#71

Bromoform

Concen: 54.531 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

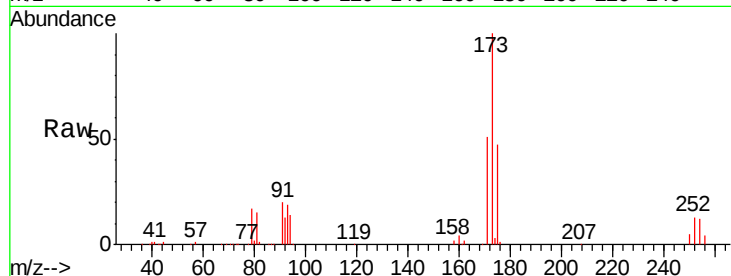
Tgt Ion:173 Resp: 91335

Ion Ratio Lower Upper

173 100

175 47.5 24.3 73.0

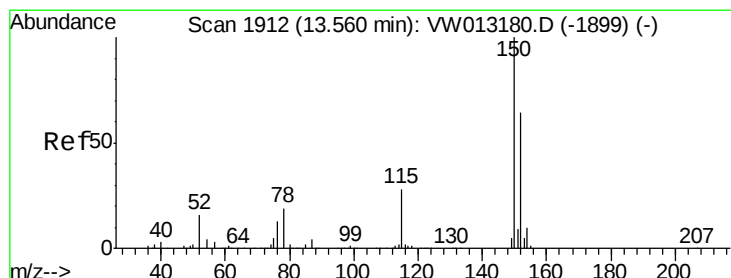
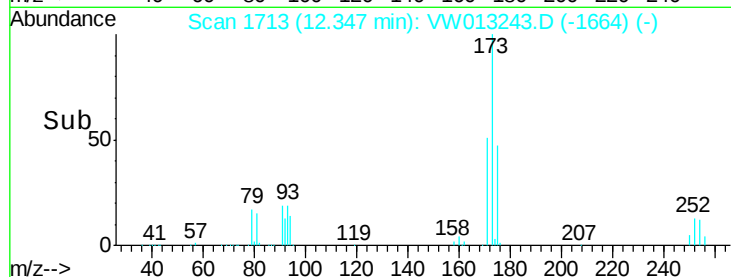
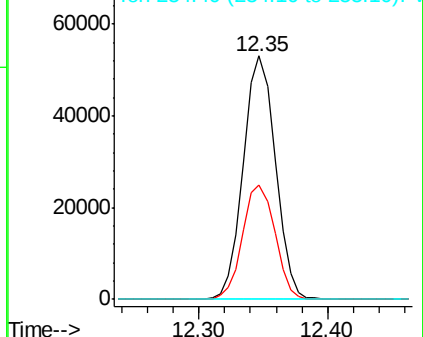
254 0.1 0.1 0.1#



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: VW013243.D

Acq: 23 Sep 2019 20:49

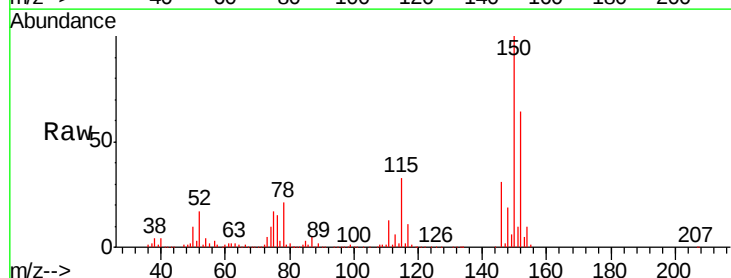
Tgt Ion:152 Resp: 227480

Ion Ratio Lower Upper

152 100

115 54.5 27.3 81.9

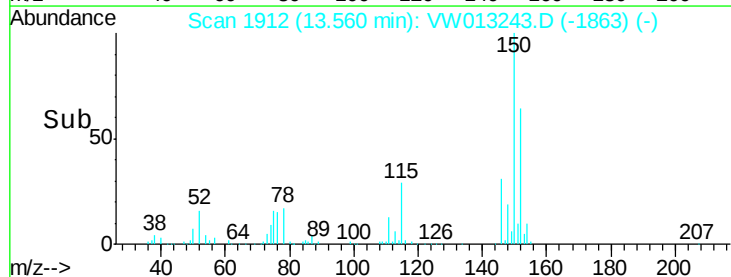
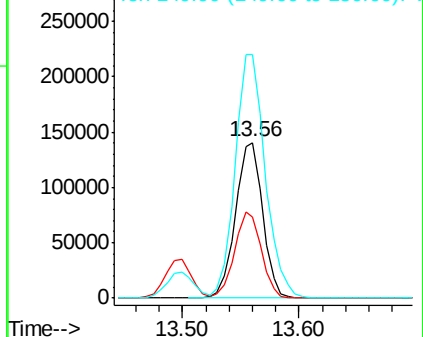
150 173.8 0.0 349.0

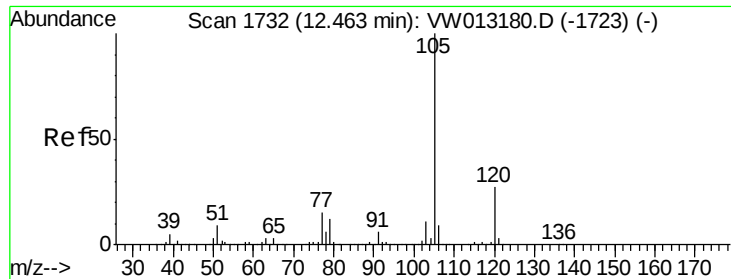


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.320 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

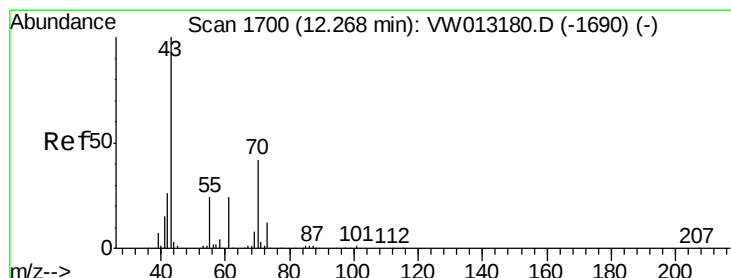
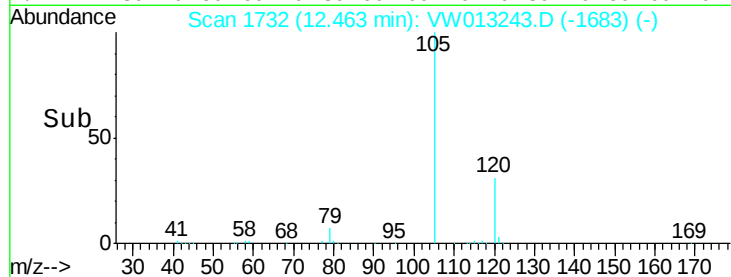
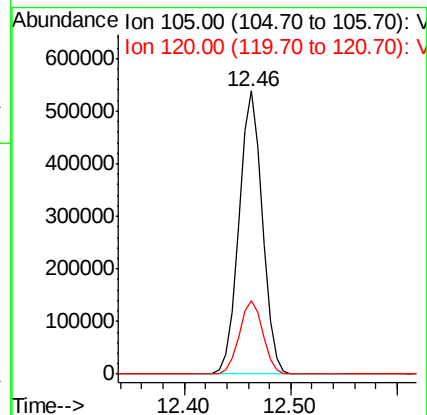
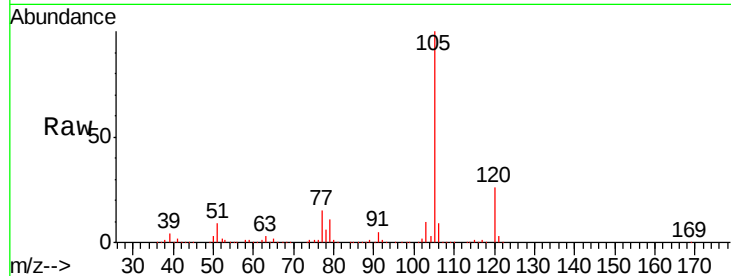
VSTDCCC050EC

Tgt Ion:105 Resp: 828778

Ion Ratio Lower Upper

105 100

120 26.4 13.4 40.1



#74

N-ethyl acetate

Concen: 53.048 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Tgt Ion: 43 Resp: 197809

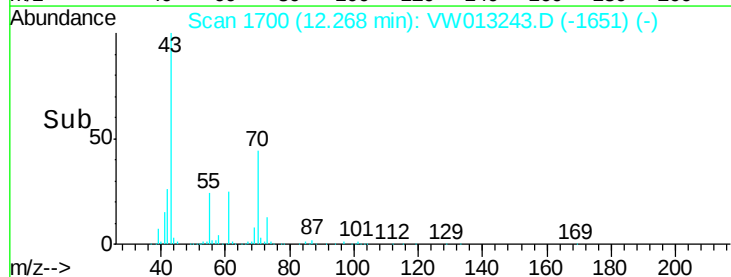
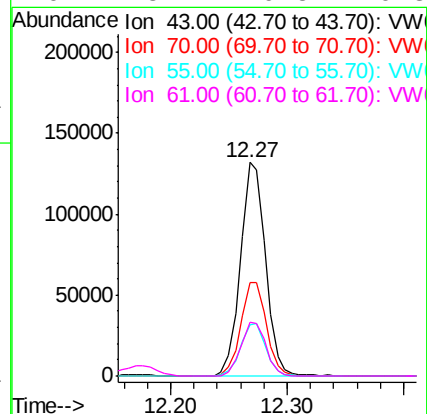
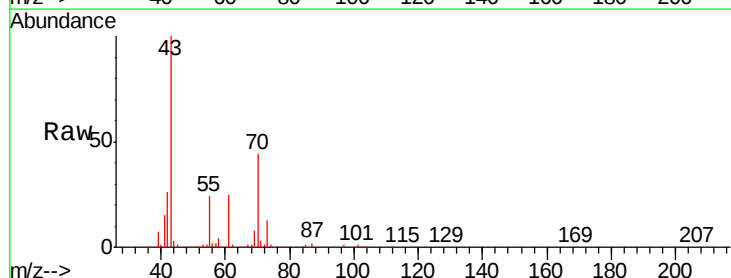
Ion Ratio Lower Upper

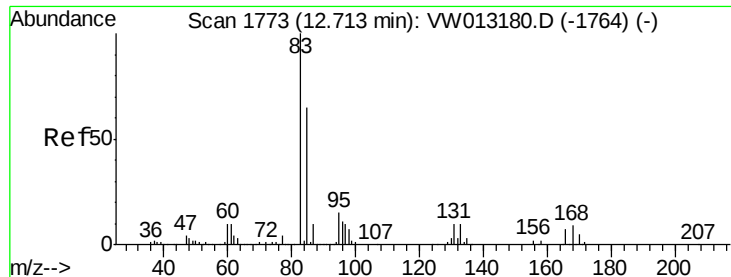
43 100

70 45.3 35.1 52.7

55 25.0 19.9 29.9

61 25.2 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 51.511 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

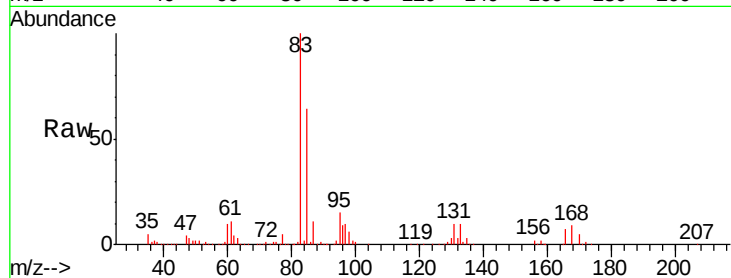
Tgt Ion: 83 Resp: 144765

Ion Ratio Lower Upper

83 100

131 11.3 5.4 16.2

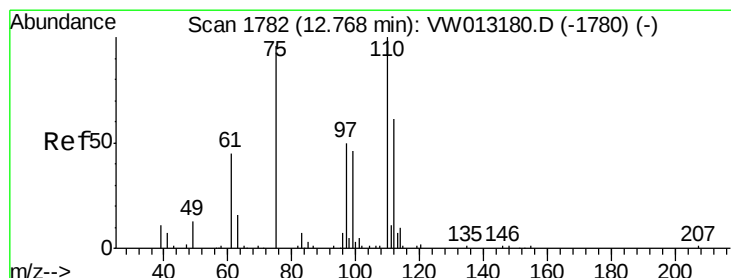
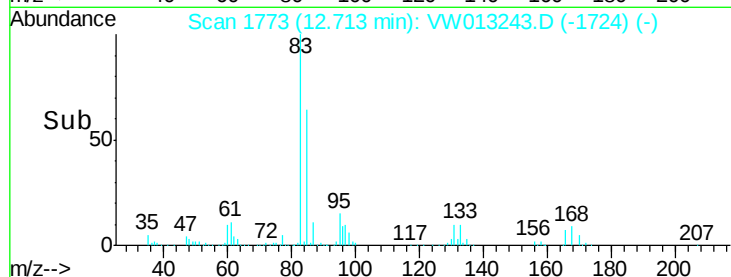
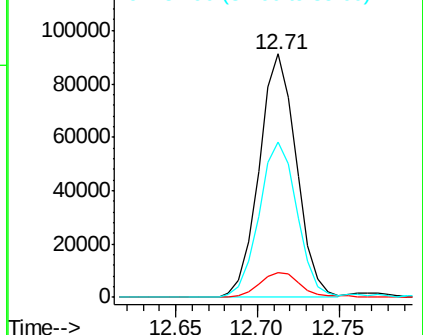
85 65.1 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 92.142 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013243.D

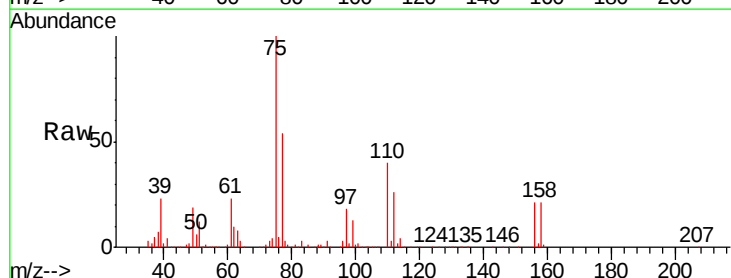
Acq: 23 Sep 2019 20:49

Tgt Ion: 75 Resp: 185109

Ion Ratio Lower Upper

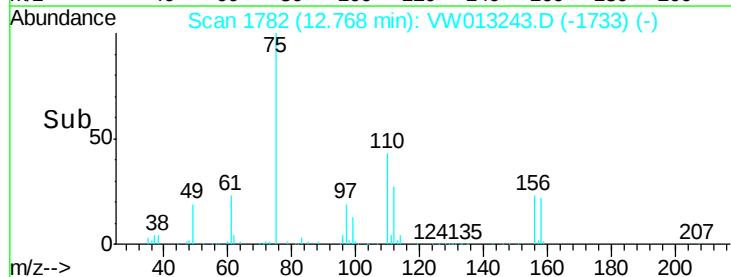
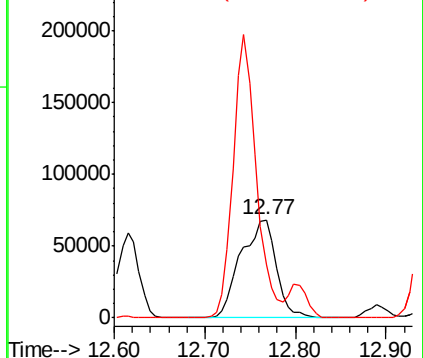
75 100

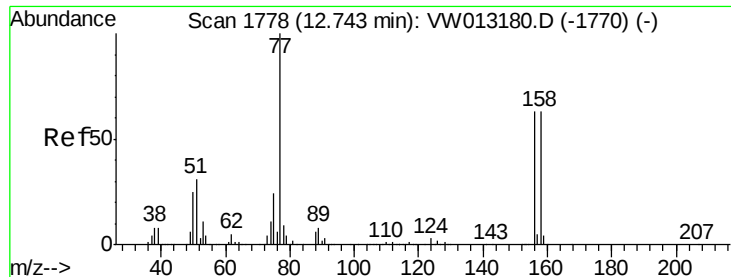
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 50.281 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

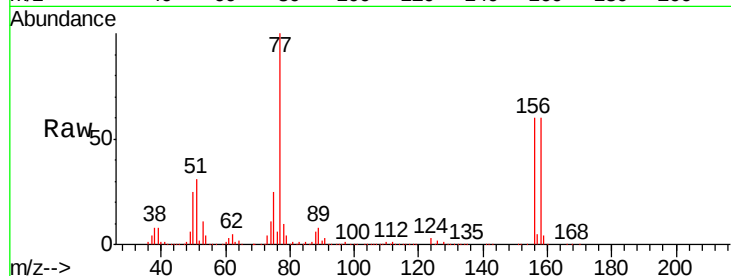
Tgt Ion:156 Resp: 200224

Ion Ratio Lower Upper

156 100

77 175.6 85.7 257.1

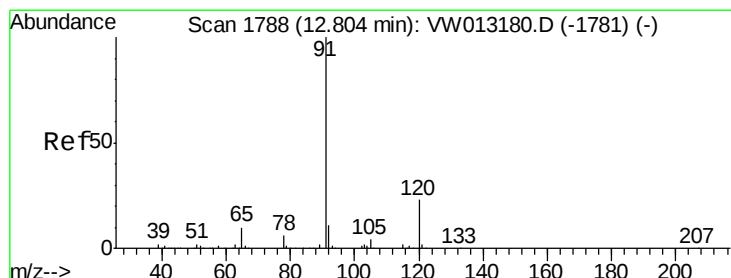
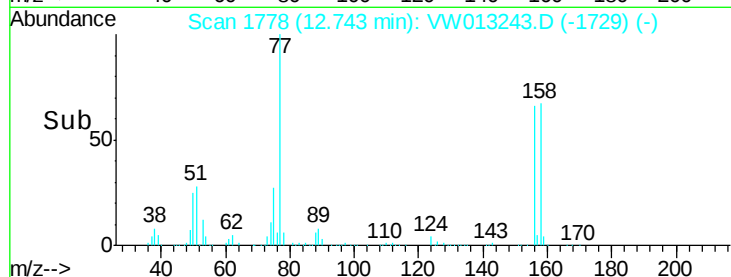
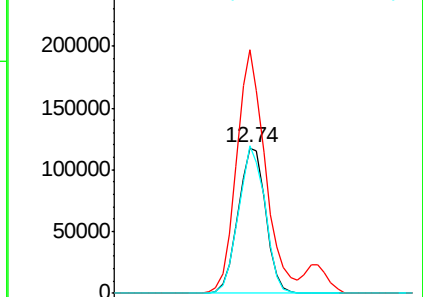
158 98.2 48.1 144.4



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: 49.425 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013243.D

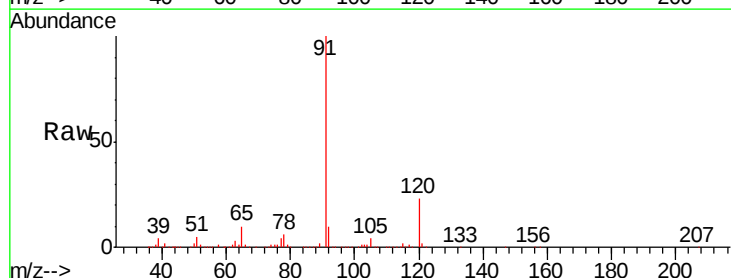
Acq: 23 Sep 2019 20:49

Tgt Ion: 91 Resp: 972176

Ion Ratio Lower Upper

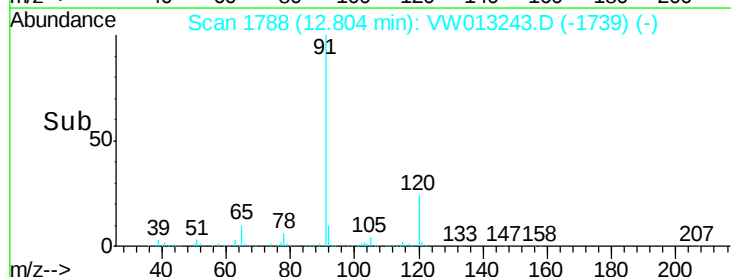
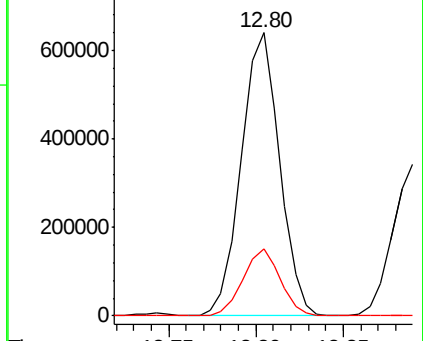
91 100

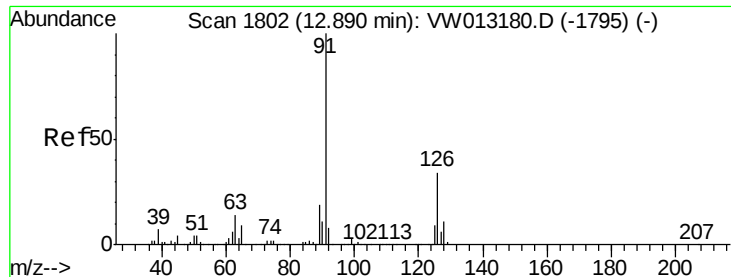
120 23.2 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

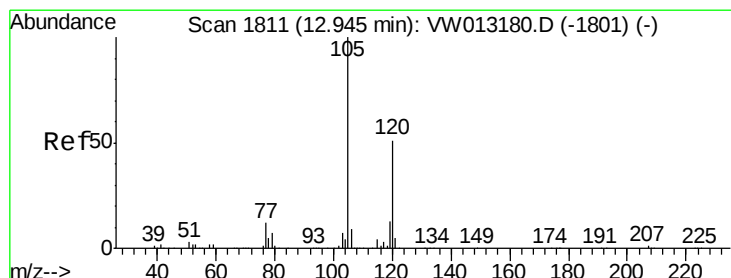
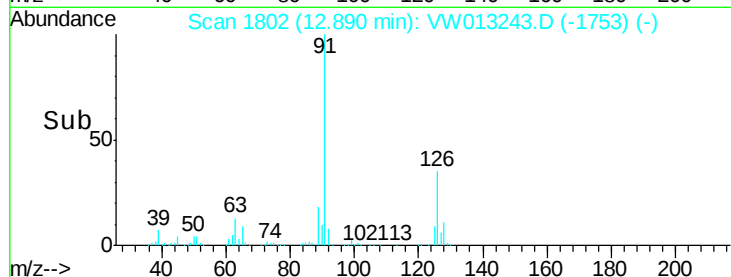
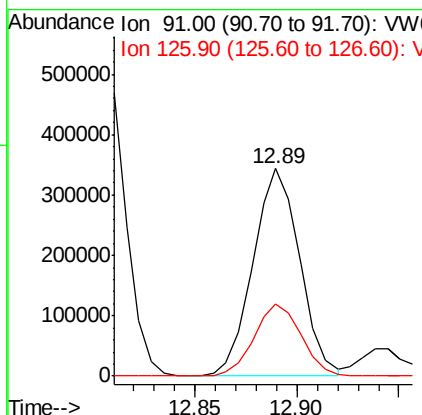
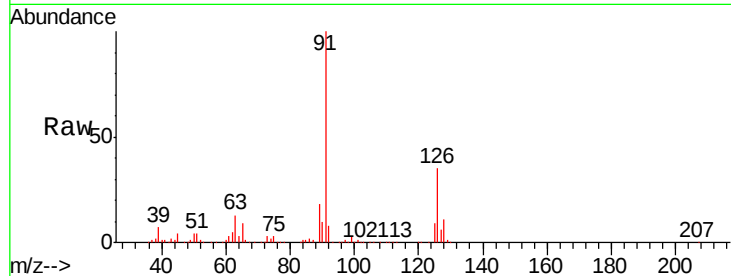




#79
 2-Chlorotoluene
 Concen: 49.667 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW013243.D
 Acq: 23 Sep 2019 20:49

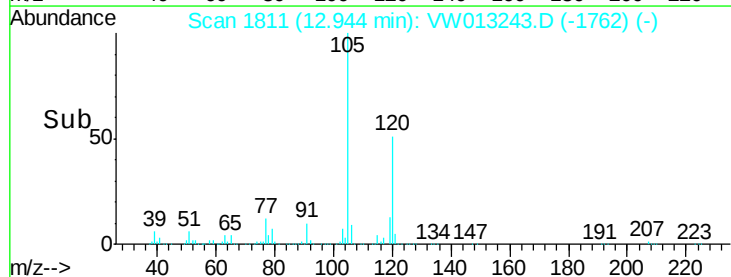
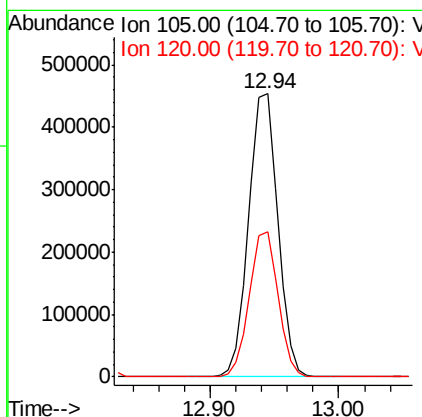
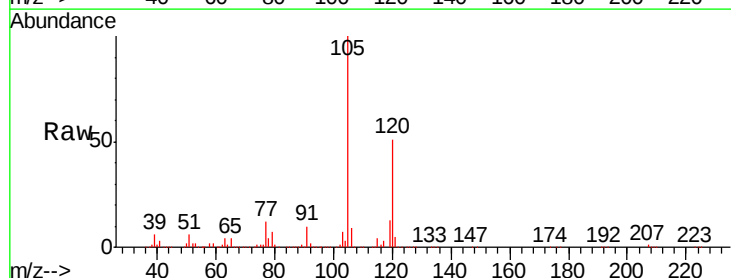
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

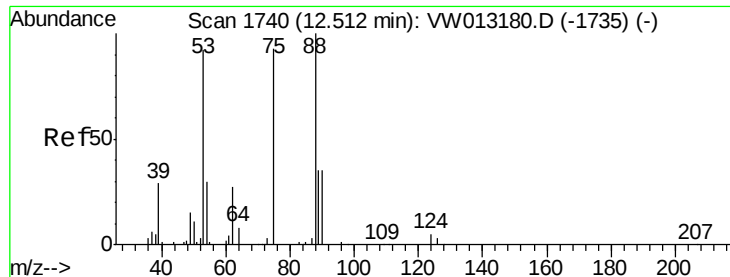
Tgt Ion: 91 Resp: 547320
 Ion Ratio Lower Upper
 91 100
 126 34.9 17.2 51.5



#80
 1,3,5-Trimethylbenzene
 Concen: 49.915 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW013243.D
 Acq: 23 Sep 2019 20:49

Tgt Ion: 105 Resp: 705085
 Ion Ratio Lower Upper
 105 100
 120 50.8 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 51.954 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

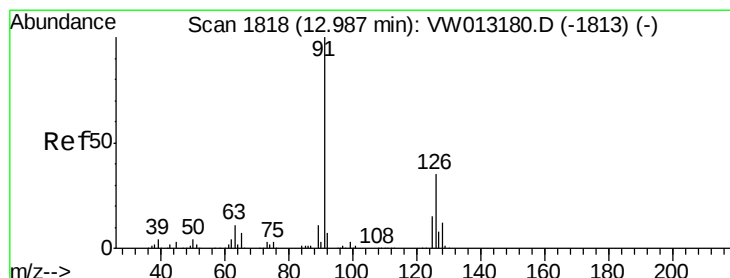
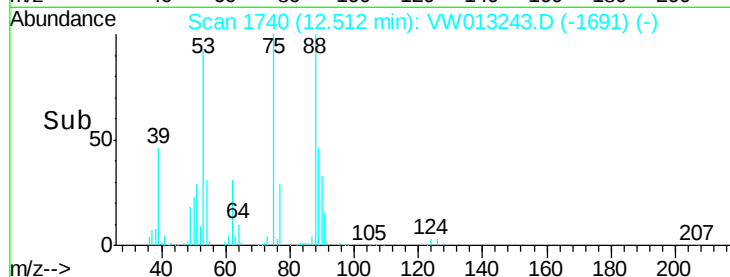
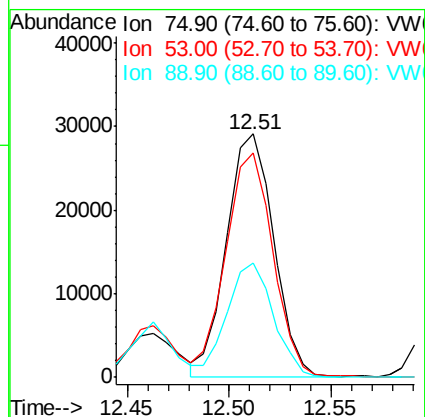
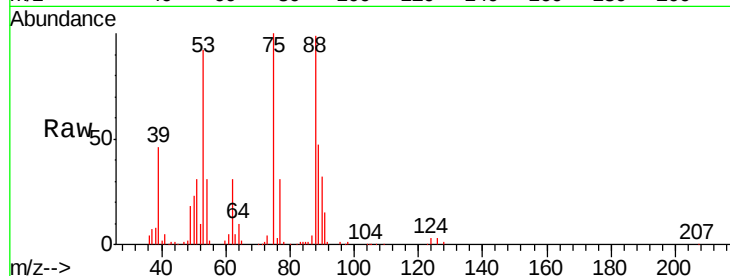
Tgt Ion: 75 Resp: 46514

Ion Ratio Lower Upper

75 100

53 93.4 76.6 114.8

89 45.9 33.5 50.3



#82

4-Chlorotoluene

Concen: 49.213 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW013243.D

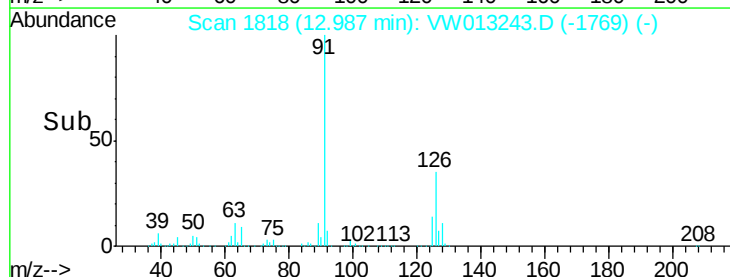
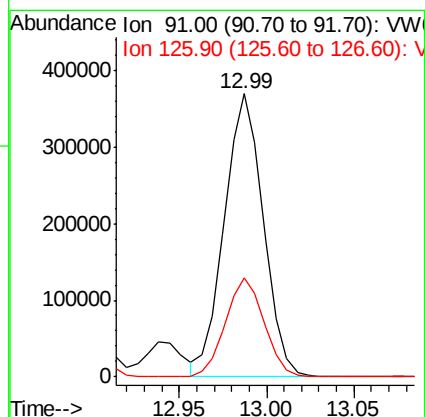
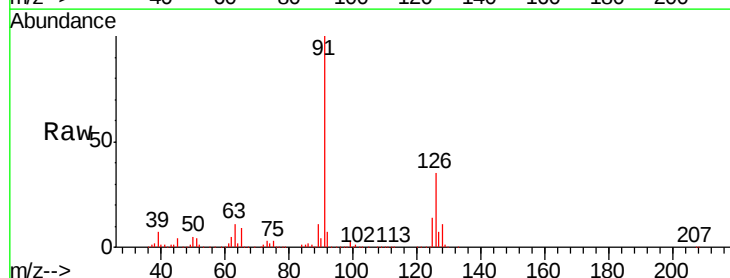
Acq: 23 Sep 2019 20:49

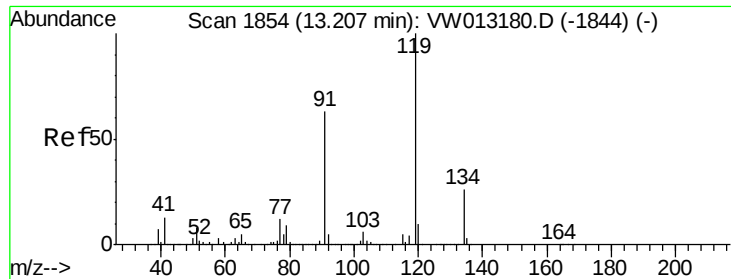
Tgt Ion: 91 Resp: 571889

Ion Ratio Lower Upper

91 100

126 34.7 17.3 51.7

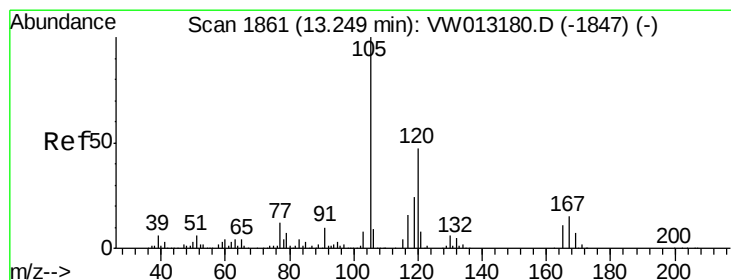
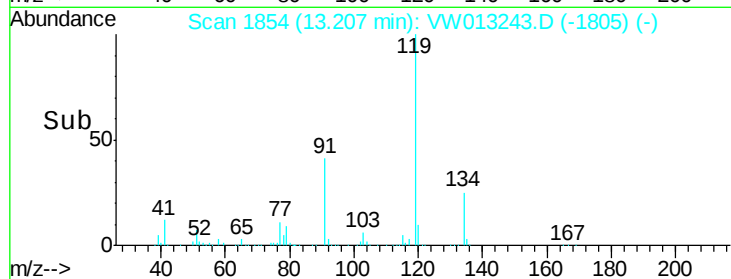
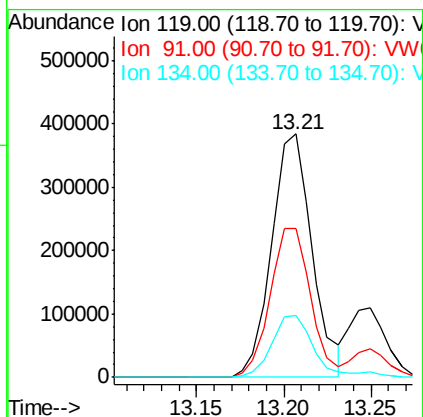
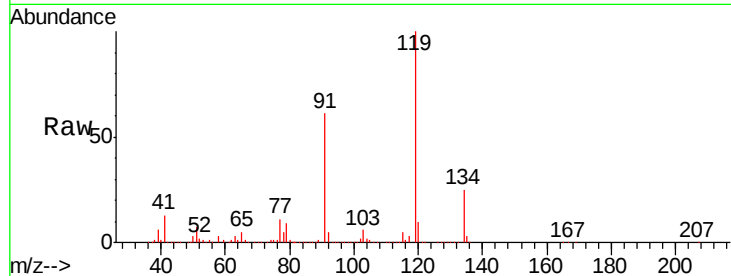




#83
 tert-Butylbenzene
 Concen: 50.147 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013243.D
 Acq: 23 Sep 2019 20:49

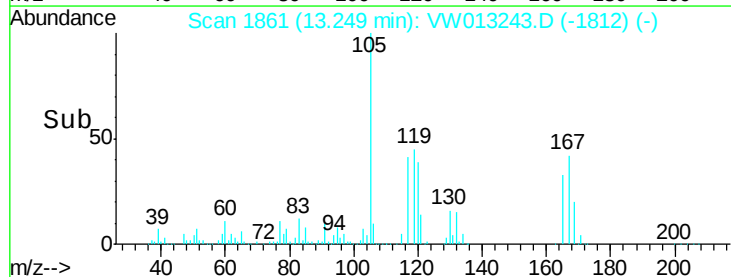
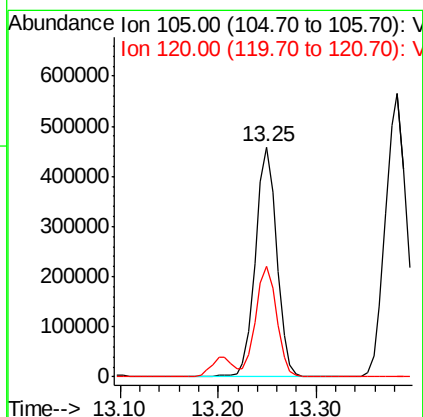
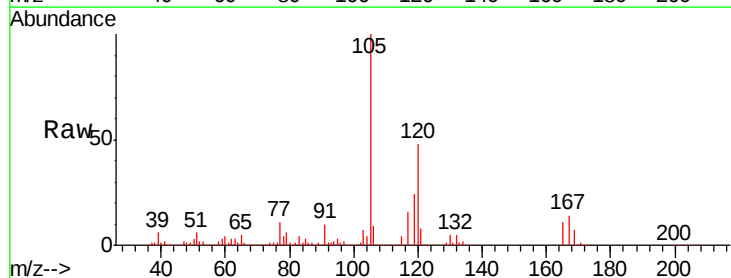
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

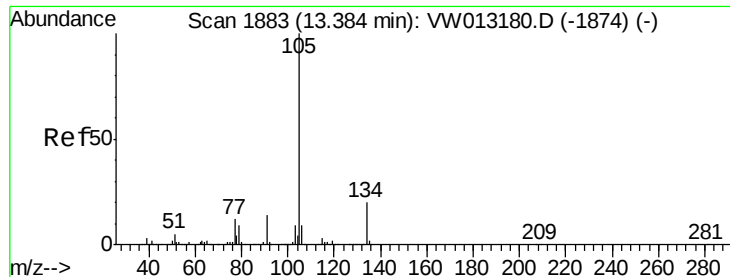
Tgt Ion:119 Resp: 621731
 Ion Ratio Lower Upper
 119 100
 91 61.4 30.7 92.1
 134 27.1 12.6 37.6



#84
 1,2,4-Trimethylbenzene
 Concen: 49.518 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013243.D
 Acq: 23 Sep 2019 20:49

Tgt Ion:105 Resp: 696031
 Ion Ratio Lower Upper
 105 100
 120 47.9 23.4 70.3

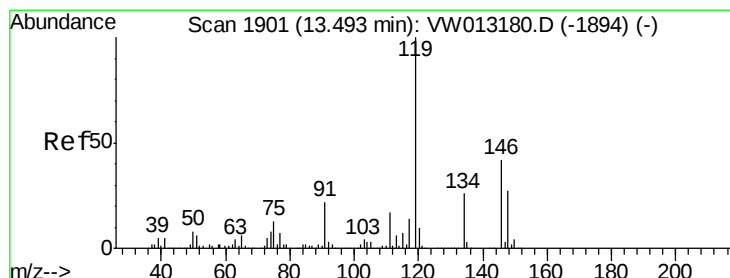
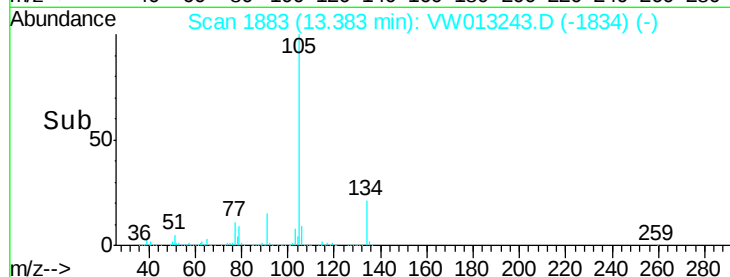
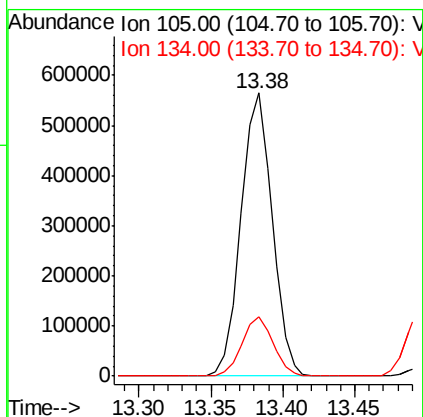
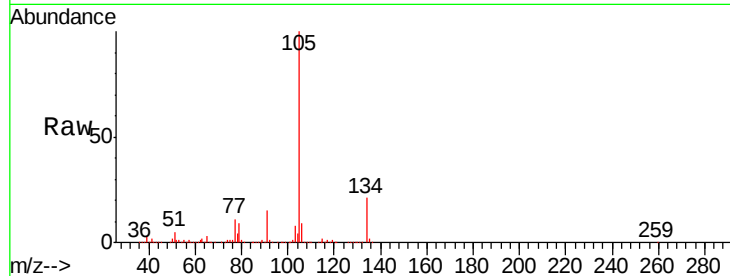




#85
 sec-Butylbenzene
 Concen: 49.588 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013243.D
 Acq: 23 Sep 2019 20:49

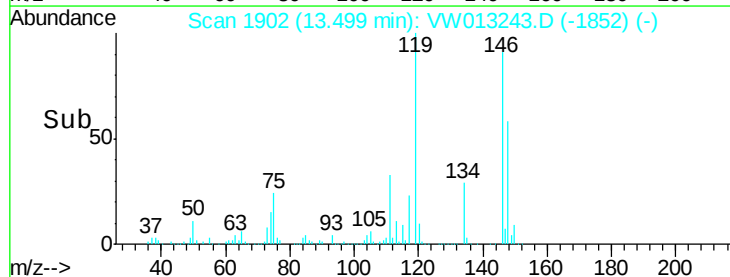
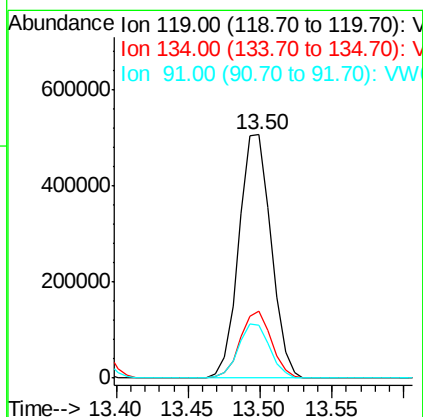
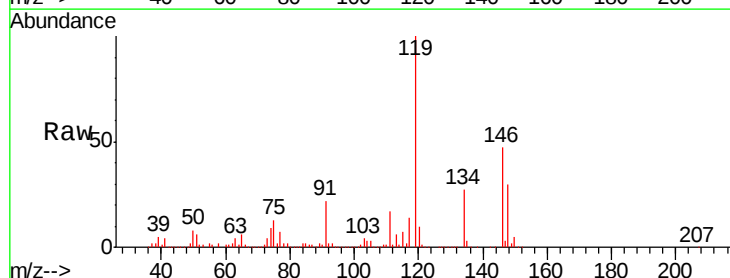
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

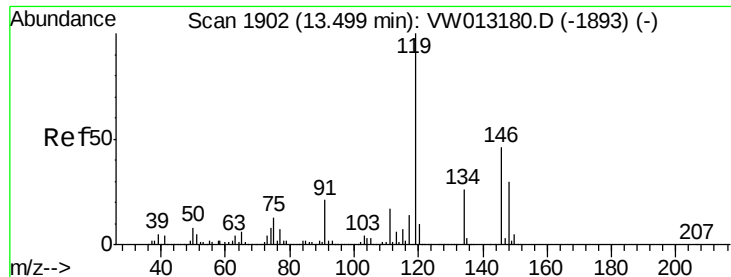
Tgt Ion:105 Resp: 847625
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 49.649 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.01 min
 Lab File: VW013243.D
 Acq: 23 Sep 2019 20:49

Tgt Ion:119 Resp: 787135
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.3 39.8
 91 21.7 10.8 32.4





#87

1,3-Dichlorobenzene

Concen: 50.203 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

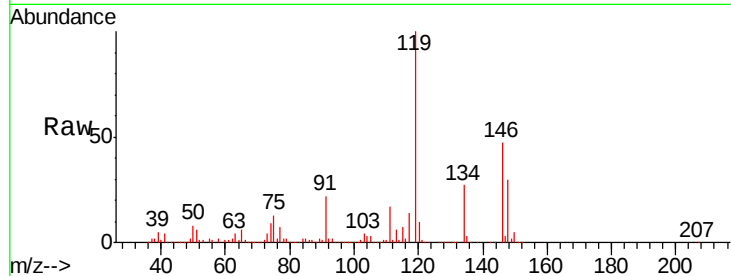
Tgt Ion:146 Resp: 384750

Ion Ratio Lower Upper

146 100

111 37.7 18.9 56.9

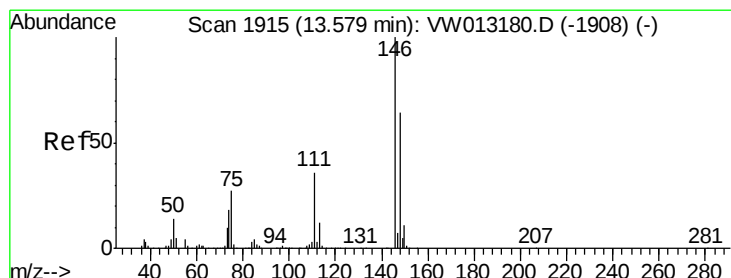
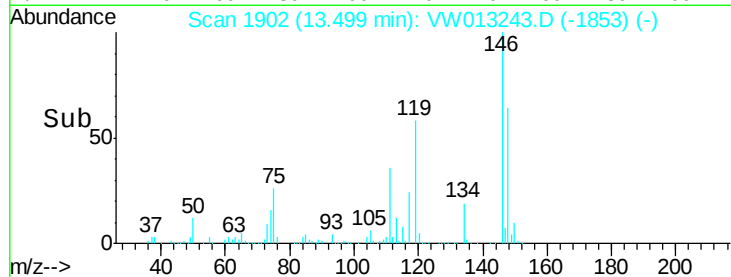
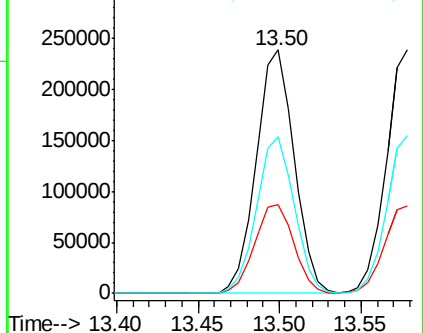
148 63.9 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 50.636 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

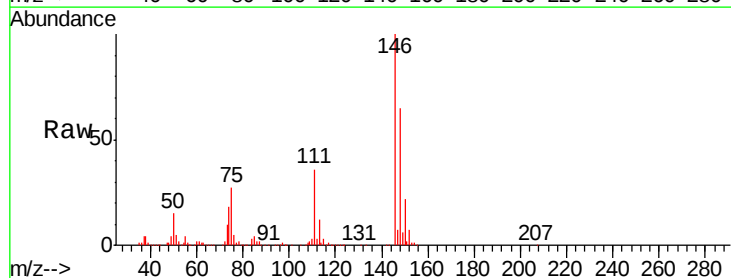
Tgt Ion:146 Resp: 380593

Ion Ratio Lower Upper

146 100

111 37.1 18.4 55.0

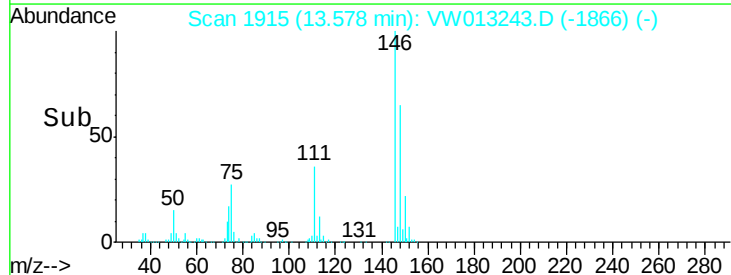
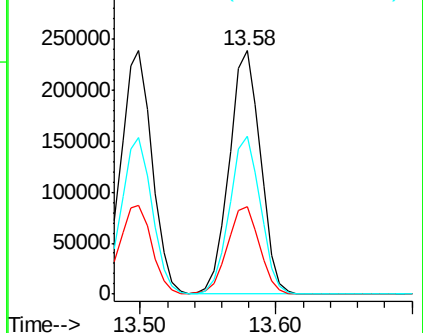
148 64.5 32.1 96.3

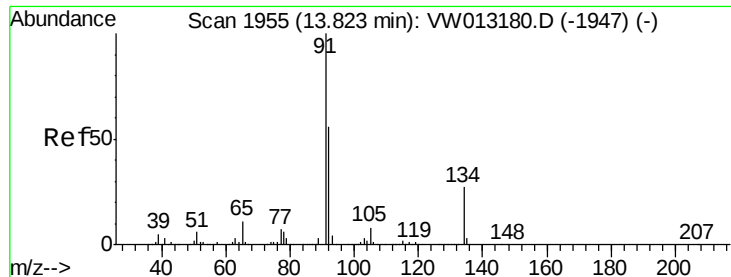


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 49.357 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

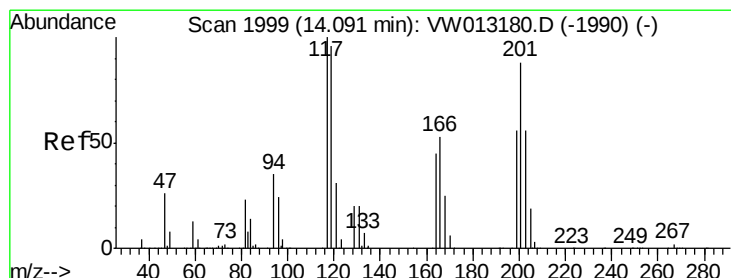
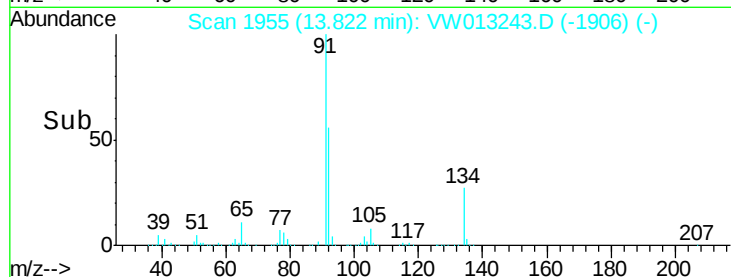
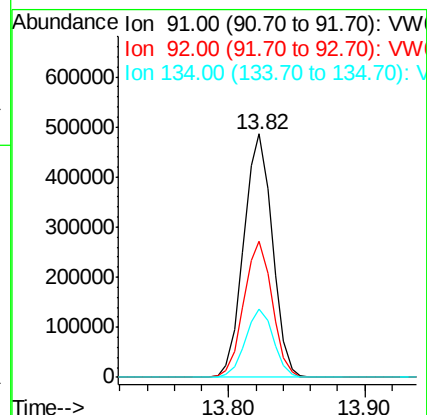
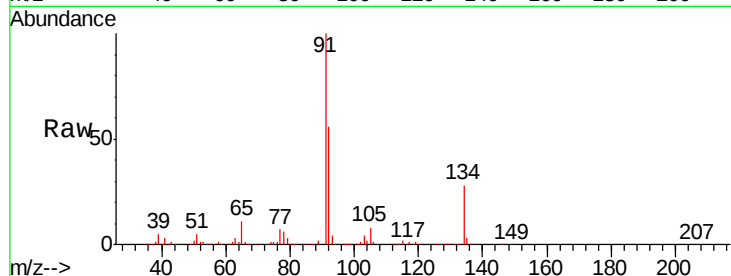
Tgt Ion: 91 Resp: 714513

Ion Ratio Lower Upper

91 100

92 55.5 27.6 82.8

134 27.7 13.7 41.1



#90

Hexachloroethane

Concen: 51.120 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013243.D

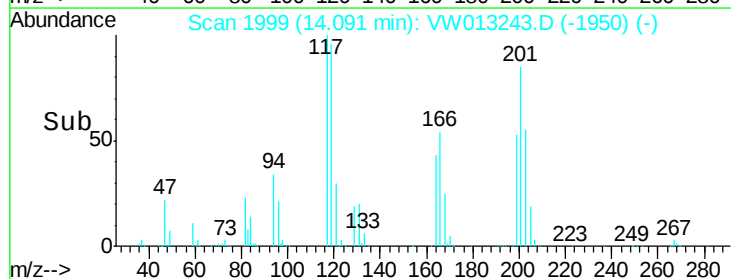
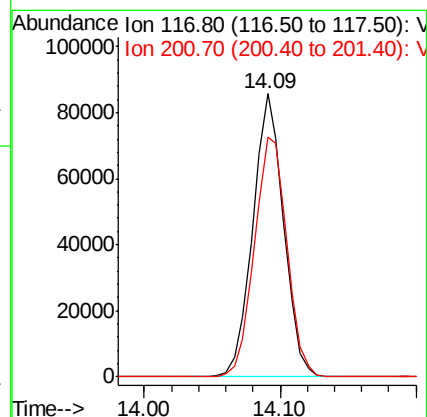
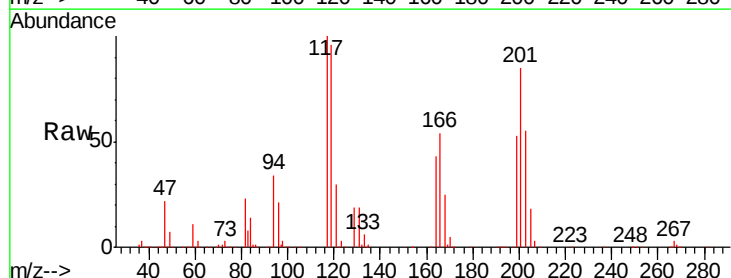
Acq: 23 Sep 2019 20:49

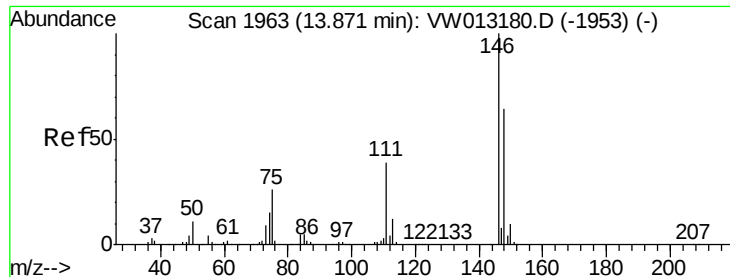
Tgt Ion: 117 Resp: 136150

Ion Ratio Lower Upper

117 100

201 89.3 44.5 133.5

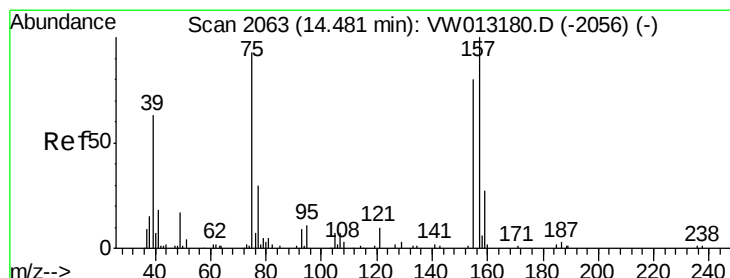
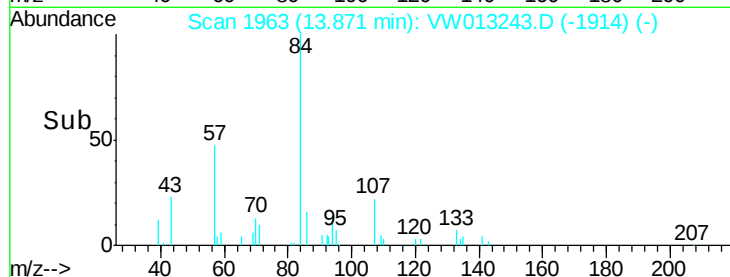
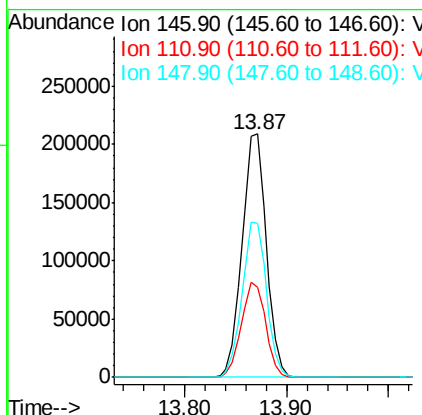
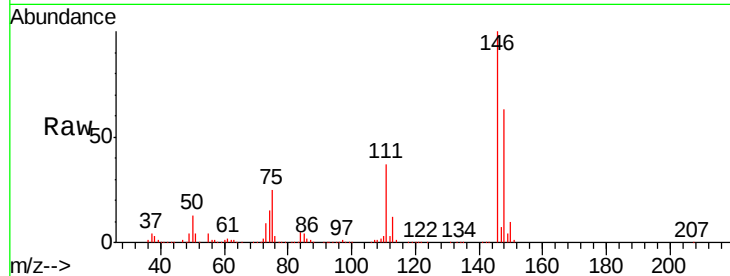




#91
 1,2-Dichlorobenzene
 Concen: 52.038 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013243.D
 Acq: 23 Sep 2019 20:49

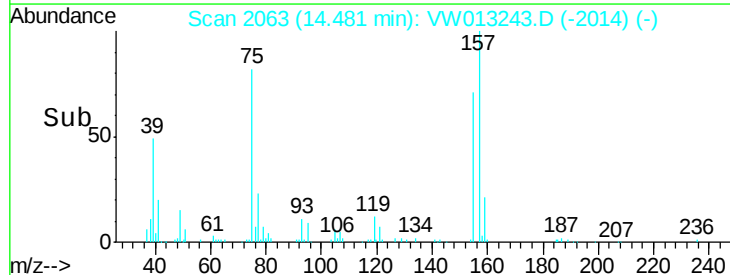
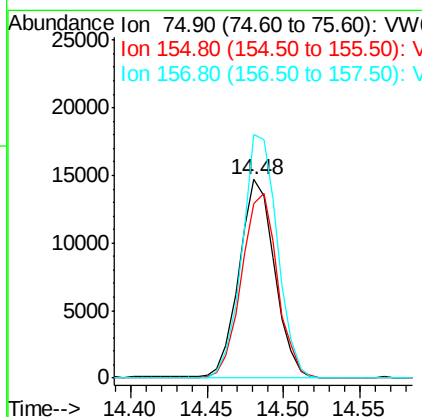
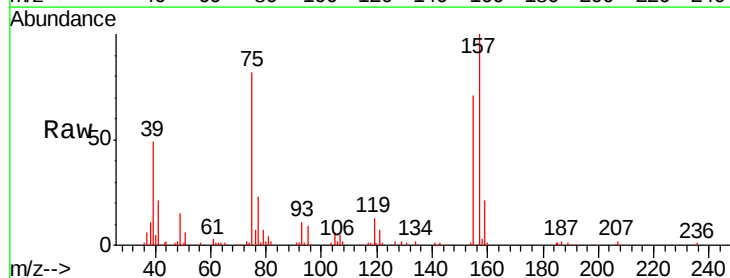
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

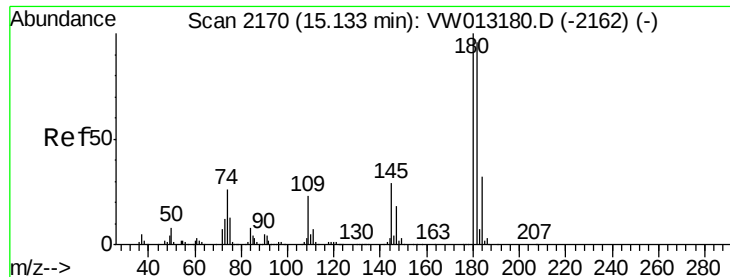
Tgt Ion: 146 Resp: 345022
 Ion Ratio Lower Upper
 146 100
 111 39.2 20.1 60.3
 148 64.1 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.376 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013243.D
 Acq: 23 Sep 2019 20:49

Tgt Ion: 75 Resp: 23804
 Ion Ratio Lower Upper
 75 100
 155 93.4 46.1 138.3
 157 121.0 60.4 181.2

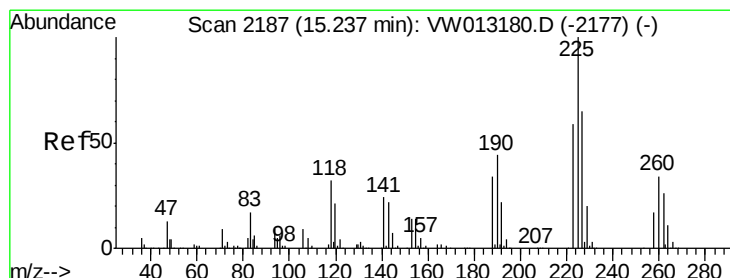
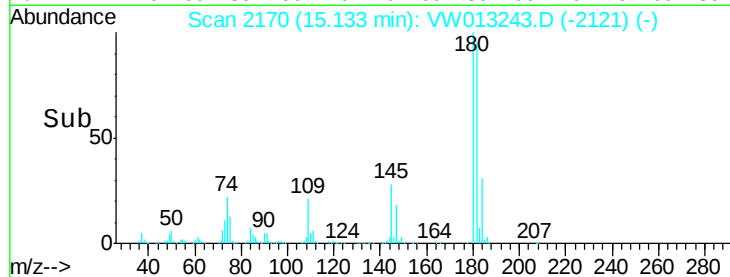
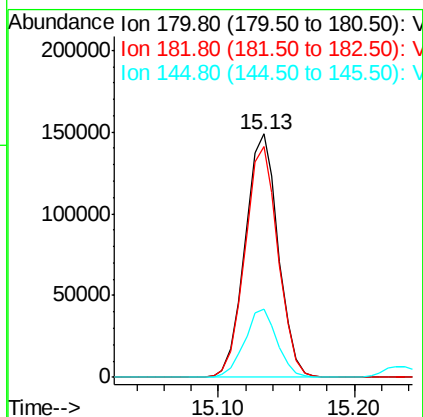
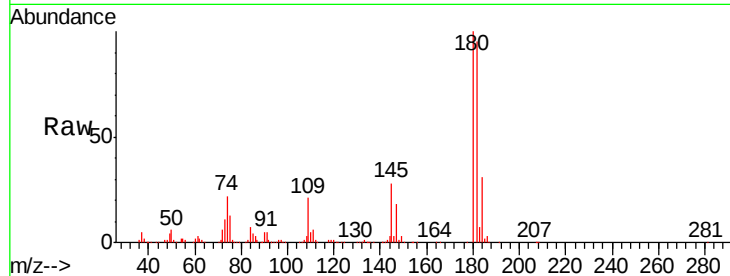




#93
 1,2,4-Trichlorobenzene
 Concen: 53.162 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013243.D
 Acq: 23 Sep 2019 20:49

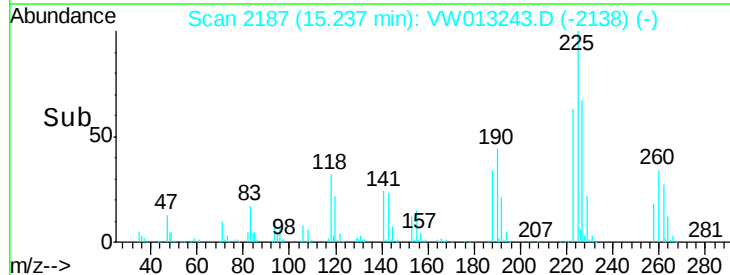
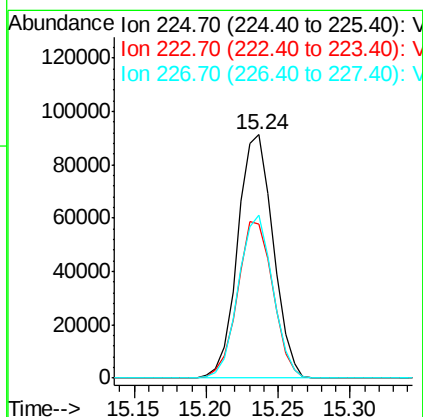
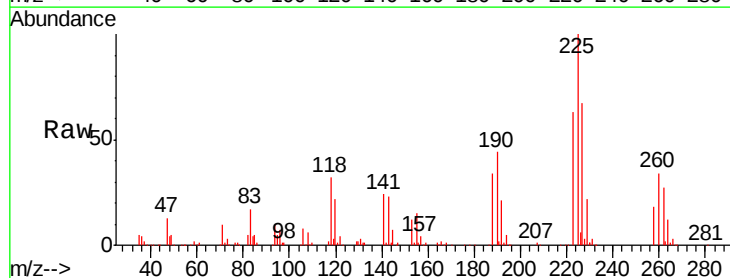
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

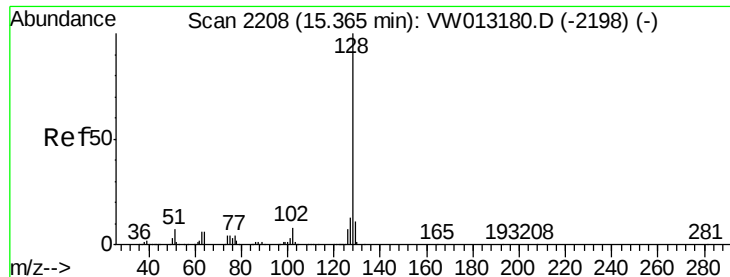
Tgt Ion:180 Resp: 252574
 Ion Ratio Lower Upper
 180 100
 182 95.0 47.3 142.0
 145 27.5 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 47.929 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013243.D
 Acq: 23 Sep 2019 20:49

Tgt Ion:225 Resp: 155788
 Ion Ratio Lower Upper
 225 100
 223 64.5 30.6 91.8
 227 65.0 31.9 95.9

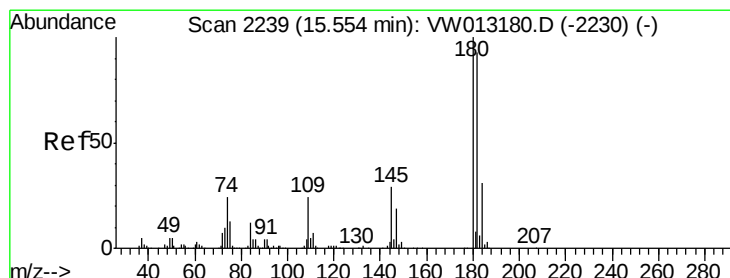
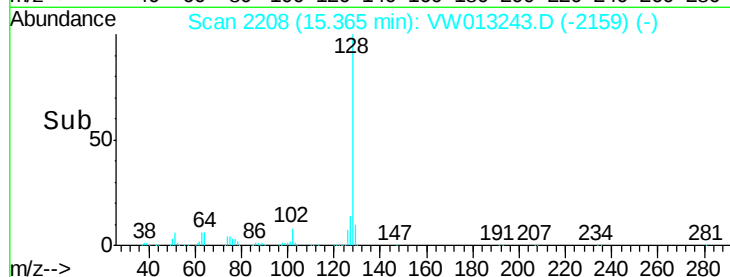
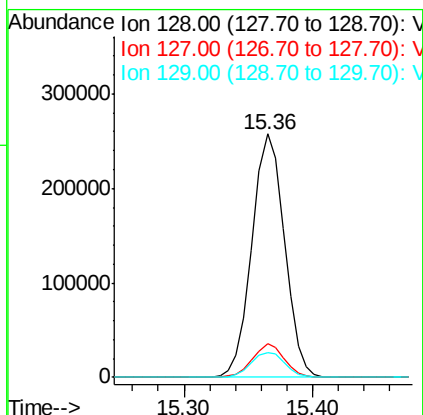
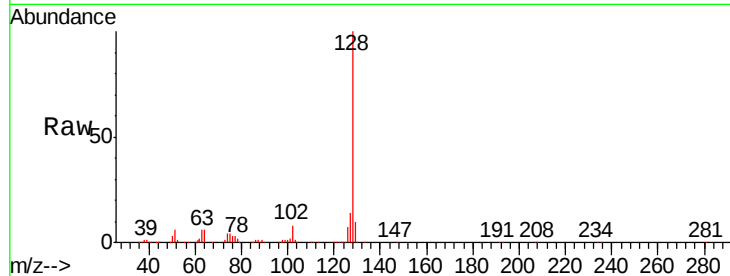




#95
Naphthalene
Concen: 58.014 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 450797
Ion Ratio Lower Upper
128 100
127 13.5 10.6 15.8
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 53.813 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

Tgt Ion:180 Resp: 220916
Ion Ratio Lower Upper
180 100
182 97.7 47.9 143.7
145 31.3 15.0 45.0

