

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031119\
 Data File : VW009103.D
 Acq On : 11 Mar 2019 23:55
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 12 08:15:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	299322	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	443584	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	450586	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	254110	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	167008	55.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.92%	
35) Dibromofluoromethane	7.88	113	144273	54.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.04%	
50) Toluene-d8	10.32	98	623295	56.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.64%	
62) 4-Bromofluorobenzene	12.62	95	247312	57.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.54%	

Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.00	85	126622	41.975	ug/l	100
3) Chloromethane	2.21	50	180270	47.042	ug/l	100
4) Vinyl Chloride	2.36	62	192655	49.539	ug/l	96
5) Bromomethane	2.76	94	155405	47.339	ug/l	97
6) Chloroethane	2.91	64	141248	51.018	ug/l	97
7) Trichlorofluoromethane	3.26	101	223169	44.569	ug/l	100
8) Diethyl Ether	3.68	74	75221	49.130	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	134948	43.271	ug/l	99
10) Methyl Iodide	4.27	142	153194	45.586	ug/l	99
11) Tert butyl alcohol	5.16	59	62025	268.774	ug/l	99
12) 1,1-Dichloroethene	4.03	96	123399	45.871	ug/l	99
13) Acrolein	3.89	56	56677	223.190	ug/l	100
14) Allyl chloride	4.67	41	232061	48.904	ug/l	97
15) Acrylonitrile	5.37	53	174079	260.507	ug/l	99
16) Acetone	4.12	43	163210	240.169	ug/l	99
17) Carbon Disulfide	4.38	76	421843	46.607	ug/l	99
18) Methyl Acetate	4.67	43	84517	54.085	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	361304	50.772	ug/l	99
20) Methylene Chloride	4.92	84	162317	50.869	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	147946	47.630	ug/l	97
22) Diisopropyl ether	6.31	45	499399	52.959	ug/l	100
23) Vinyl Acetate	6.26	43	1473374	251.078	ug/l	99
24) 1,1-Dichloroethane	6.22	63	271624	49.661	ug/l	98
25) 2-Butanone	7.17	43	229227	244.074	ug/l	99
26) 2,2-Dichloropropane	7.17	77	216067	43.459	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	163701	49.071	ug/l	98
28) Bromochloromethane	7.51	49	114370	50.271	ug/l	97
29) Tetrahydrofuran	7.52	42	150403	254.127	ug/l	98
30) Chloroform	7.67	83	279570	49.647	ug/l	98
31) Cyclohexane	7.95	56	244926	43.611	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	247571	47.639	ug/l	99
36) 1,1-Dichloropropene	8.08	75	215949	46.559	ug/l	98
37) Ethyl Acetate	7.25	43	104669	48.044	ug/l	99
38) Carbon Tetrachloride	8.07	117	214951	44.875	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	261567	47.347	ug/l	96
40) Benzene	8.32	78	616127	49.762	ug/l	98
41) Methacrylonitrile	7.48	41	61507	50.840	ug/l	91
42) 1,2-Dichloroethane	8.40	62	194781	48.729	ug/l	100
43) Isopropyl Acetate	8.43	43	208224	51.317	ug/l	100
44) Trichloroethene	9.09	130	161126	46.431	ug/l	98
45) 1,2-Dichloropropane	9.37	63	152829	49.284	ug/l	99
46) Dibromomethane	9.46	93	82902	48.951	ug/l	98
47) Bromodichloromethane	9.64	83	209850	48.949	ug/l	99
48) Methyl methacrylate	9.43	41	102059	54.018	ug/l	92
49) 1,4-Dioxane	9.45	88	28838	1189.114	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	563814	273.707	ug/l	99
52) Toluene	10.39	92	436127	51.939	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	213347	50.317	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	238562	48.961	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	114265	49.779	ug/l	96
56) Ethyl methacrylate	10.65	69	162725	57.120	ug/l	98
57) 1,3-Dichloropropane	10.93	76	204199	50.216	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	388468	263.036	ug/l	99
59) 2-Hexanone	10.97	43	401514	277.232	ug/l	99
60) Dibromochloromethane	11.13	129	140426	49.433	ug/l	98
61) 1,2-Dibromoethane	11.24	107	112317	49.912	ug/l	98
64) Tetrachloroethene	10.86	164	170395	52.439	ug/l	99
65) Chlorobenzene	11.66	112	484905	49.442	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	155822	47.583	ug/l	98
67) Ethyl Benzene	11.73	91	880306	49.685	ug/l	99
68) m/p-Xylenes	11.84	106	690908	98.793	ug/l	99
69) o-Xylene	12.16	106	331574	50.956	ug/l	100
70) Styrene	12.18	104	546709	51.928	ug/l	100
71) Bromoform	12.35	173	86893	49.418	ug/l #	99
73) Isopropylbenzene	12.46	105	906450	49.813	ug/l	100
74) N-amyl acetate	12.27	43	244465	56.749	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	142481	49.637	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	198419	98.830	ug/l #	1
77) Bromobenzene	12.75	156	203162	48.863	ug/l	98
78) n-propylbenzene	12.80	91	1123007	50.102	ug/l	99
79) 2-Chlorotoluene	12.90	91	637278	50.604	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	799588	50.976	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	43799	48.796	ug/l	99
82) 4-Chlorotoluene	12.99	91	685004	51.028	ug/l	99
83) tert-Butylbenzene	13.21	119	700526	52.954	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	822685	51.848	ug/l	99
85) sec-Butylbenzene	13.38	105	993039	50.664	ug/l	99
86) p-Isopropyltoluene	13.50	119	890832	50.806	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	435489	49.839	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	430444	49.847	ug/l	100
89) n-Butylbenzene	13.83	91	842130	50.521	ug/l	99
90) Hexachloroethane	14.10	117	152635	50.473	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	392668	50.934	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	28764	56.263	ug/l	99

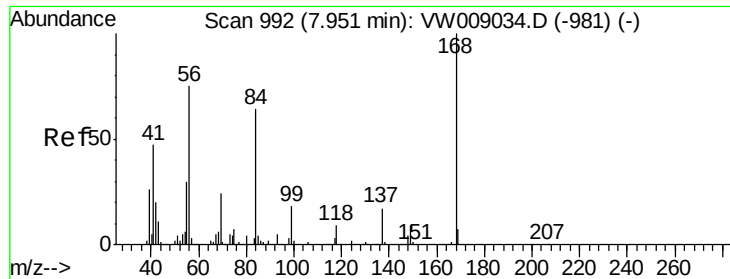
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Quant Title : SW846 8260
QLast Update : Fri Mar 08 05:22:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	271979	52.238	ug/l	98
94) Hexachlorobutadiene	15.24	225	161615	49.557	ug/l	100
95) Naphthalene	15.37	128	485203	56.931	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	237318	51.836	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009103.D

Acq: 11 Mar 2019 23:55

Instrument :

MSVOA_W

ClientSampleId :

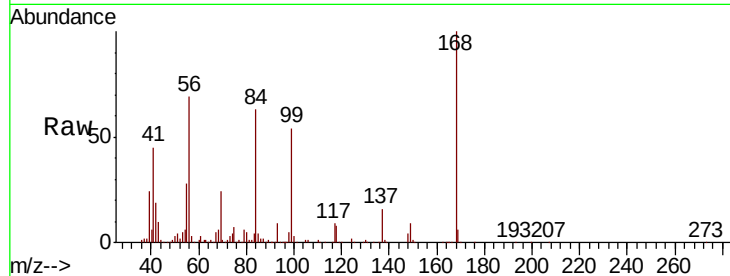
VSTDCCC050

Tgt Ion:168 Resp: 299322

Ion Ratio Lower Upper

168 100

99 54.0 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

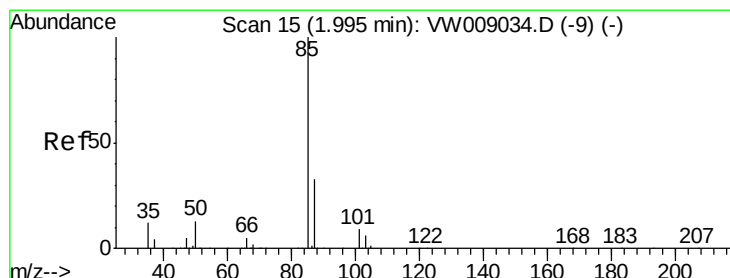
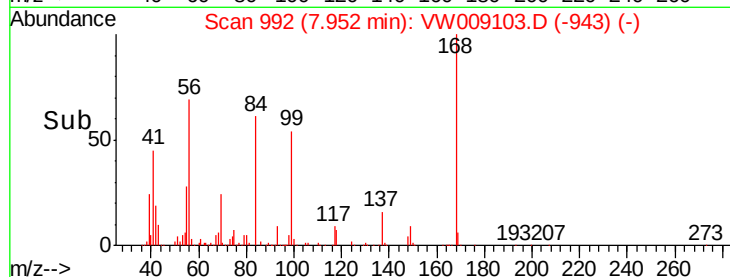
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 41.975 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW009103.D

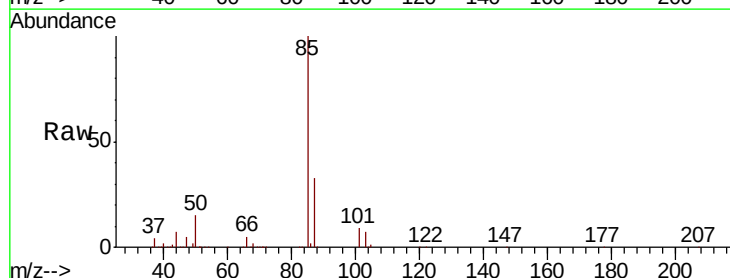
Acq: 11 Mar 2019 23:55

Tgt Ion: 85 Resp: 126622

Ion Ratio Lower Upper

85 100

87 32.6 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

80000

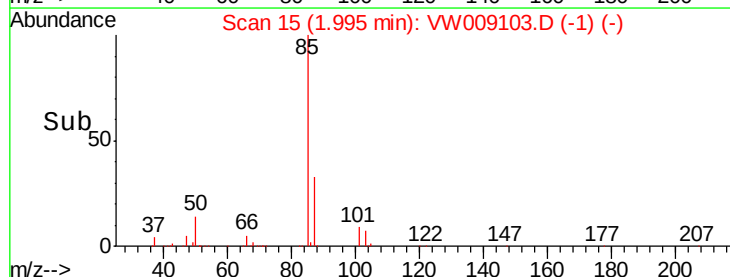
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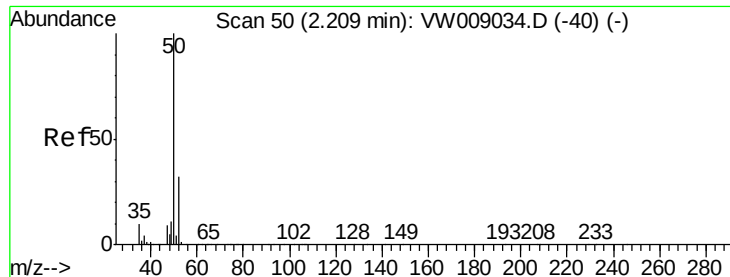
40000

20000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 47.042 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW009103.D

Acq: 11 Mar 2019 23:55

Instrument :

MSVOA_W

ClientSampleId :

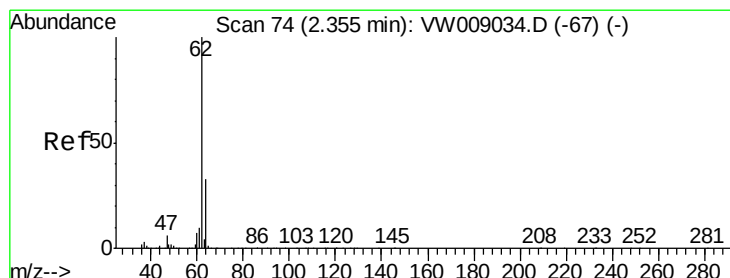
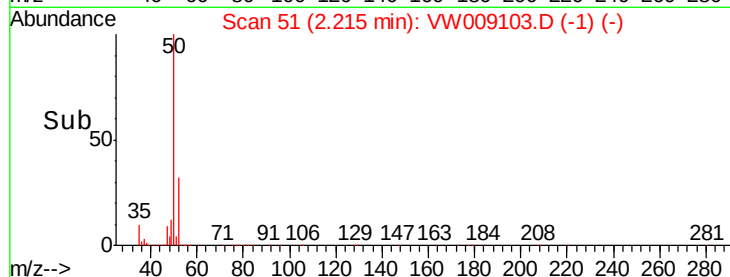
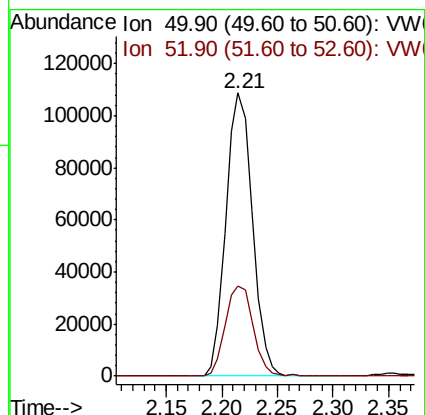
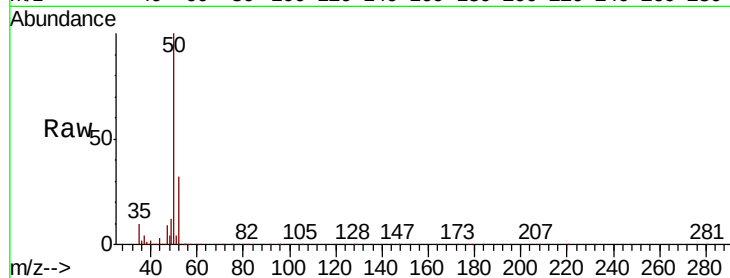
VSTDCCC050

Tgt Ion: 50 Resp: 180270

Ion Ratio Lower Upper

50 100

52 31.8 25.4 38.2



#4

Vinyl Chloride

Concen: 49.539 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW009103.D

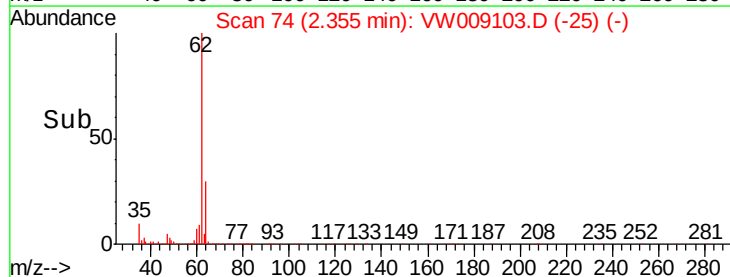
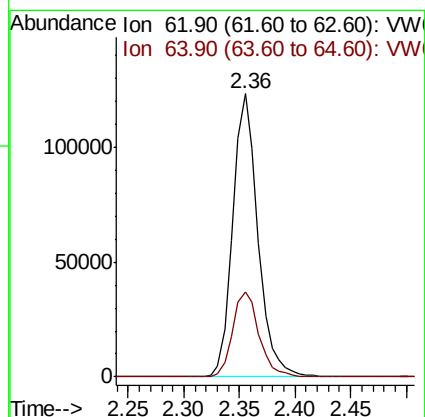
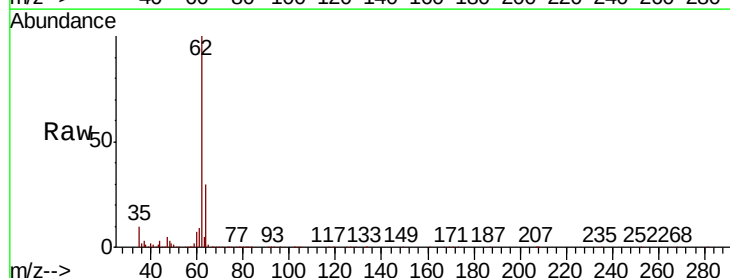
Acq: 11 Mar 2019 23:55

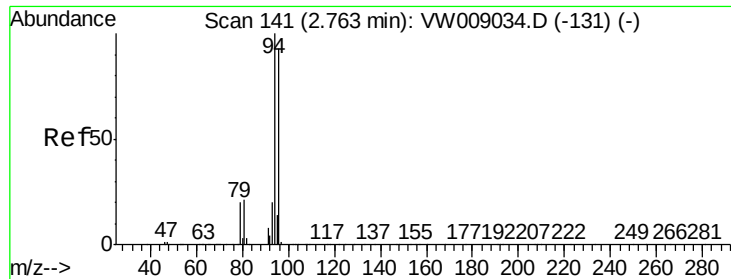
Tgt Ion: 62 Resp: 192655

Ion Ratio Lower Upper

62 100

64 30.2 26.0 39.0





#5

Bromomethane

Concen: 47.339 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW009103.D

Acq: 11 Mar 2019 23:55

Instrument :

MSVOA_W

ClientSampleId :

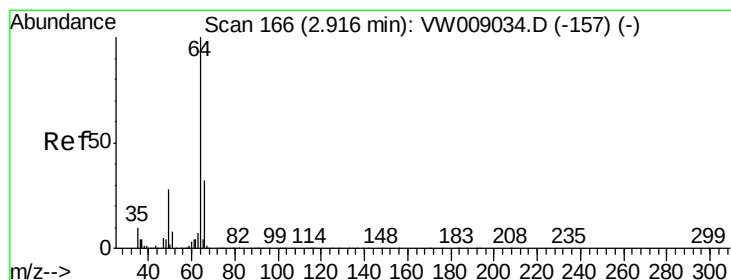
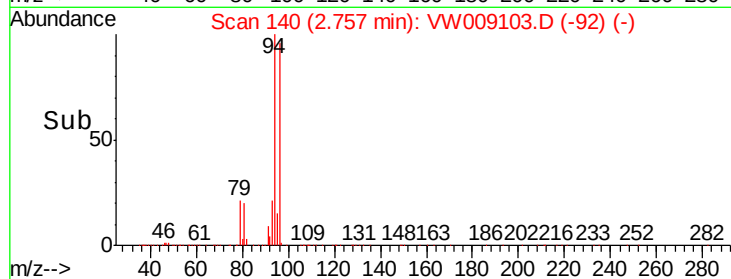
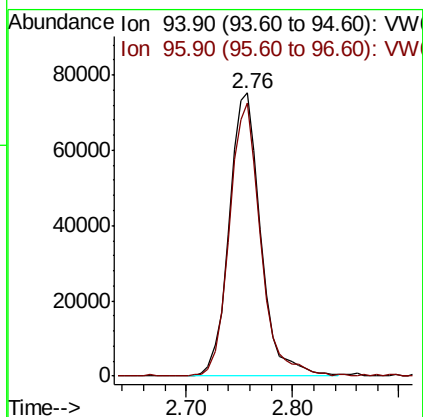
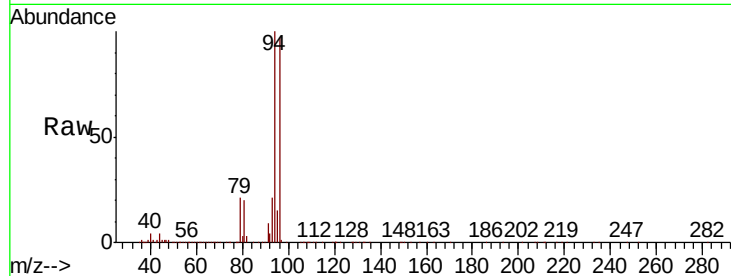
VSTDCCC050

Tgt Ion: 94 Resp: 155405

Ion Ratio Lower Upper

94 100

96 96.3 74.4 111.6



#6

Chloroethane

Concen: 51.018 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW009103.D

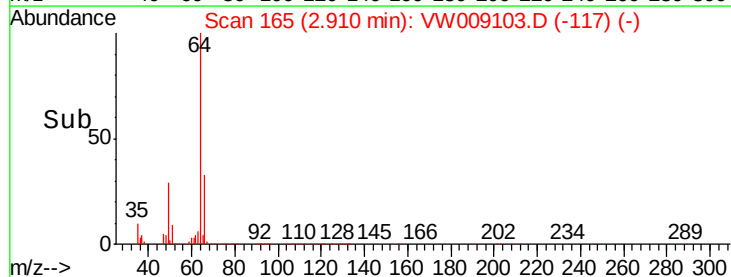
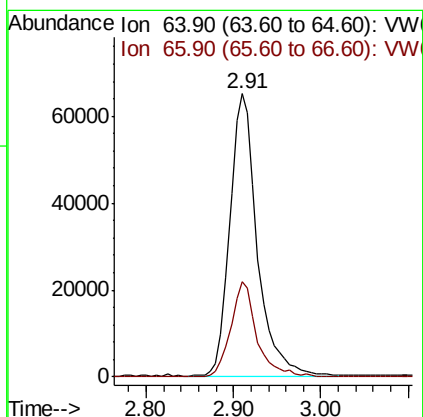
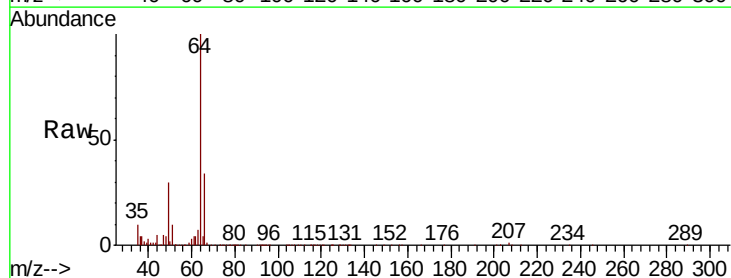
Acq: 11 Mar 2019 23:55

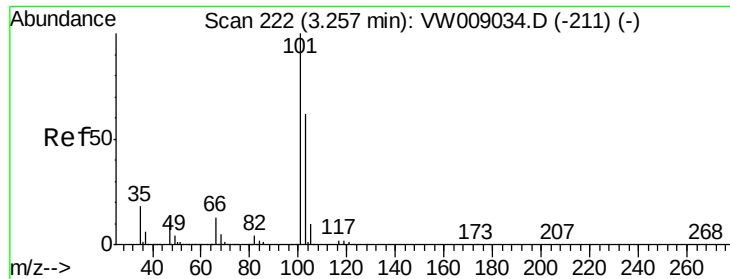
Tgt Ion: 64 Resp: 141248

Ion Ratio Lower Upper

64 100

66 33.6 25.5 38.3



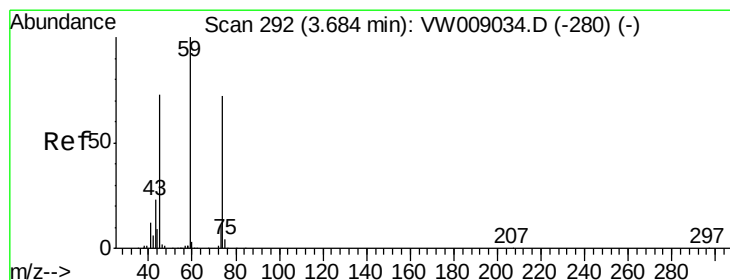
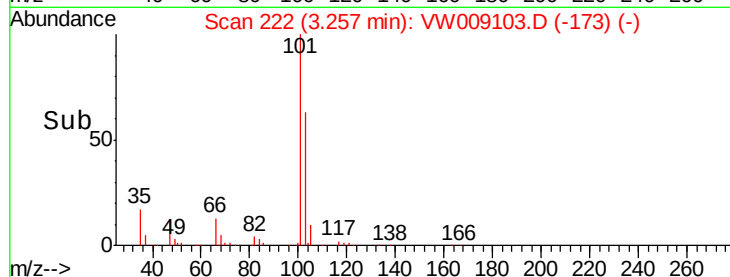
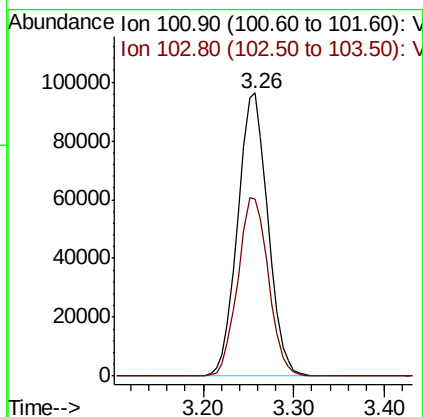
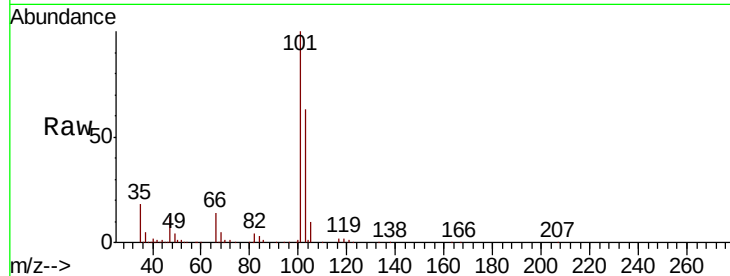


#7

Trichlorofluoromethane
 Concen: 44.569 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW009103.D
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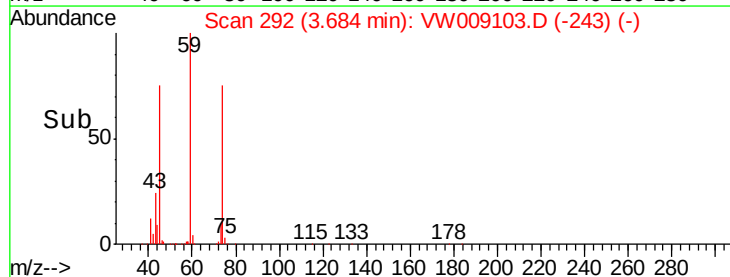
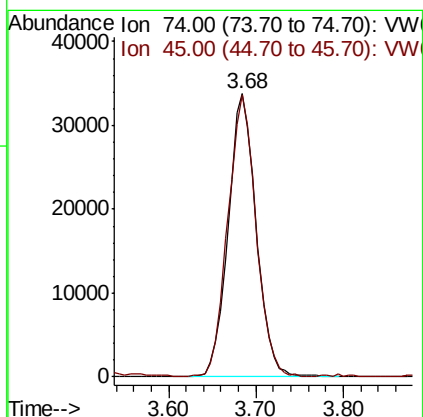
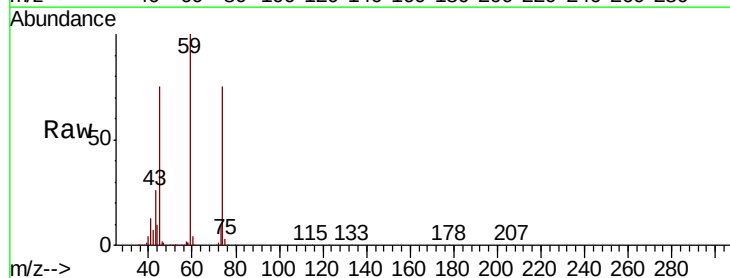
Tgt Ion:101 Resp: 223169
 Ion Ratio Lower Upper
 101 100
 103 62.6 49.9 74.9

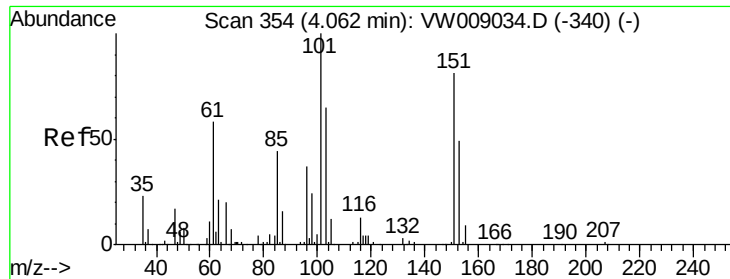


#8

Diethyl Ether
 Concen: 49.130 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW009103.D
 Acq: 11 Mar 2019 23:55

Tgt Ion: 74 Resp: 75221
 Ion Ratio Lower Upper
 74 100
 45 100.7 52.3 157.1

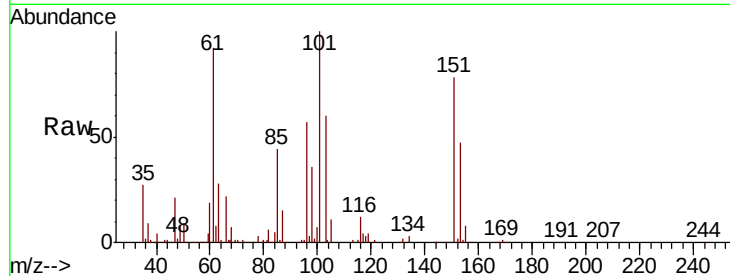




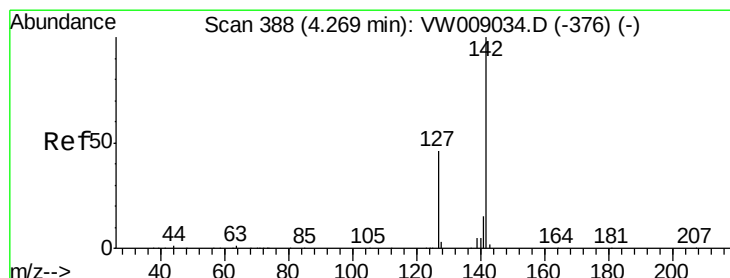
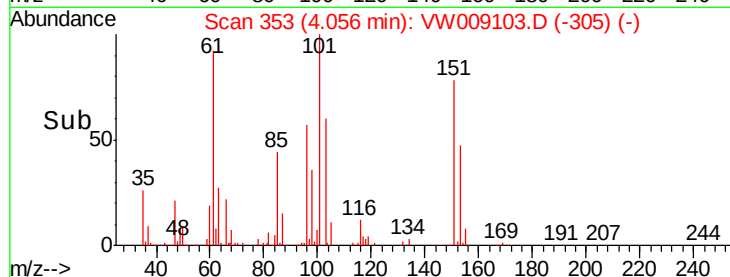
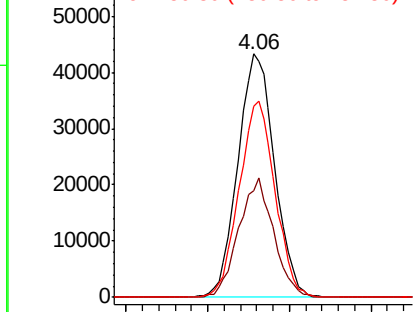
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 43.271 ug/l
 RT: 4.06 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: VW009103.D
 Acq: 11 Mar 2019 23:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion:101 Resp: 134948
 Ion Ratio Lower Upper
 101 100
 85 46.6 36.2 54.4
 151 79.0 63.4 95.2

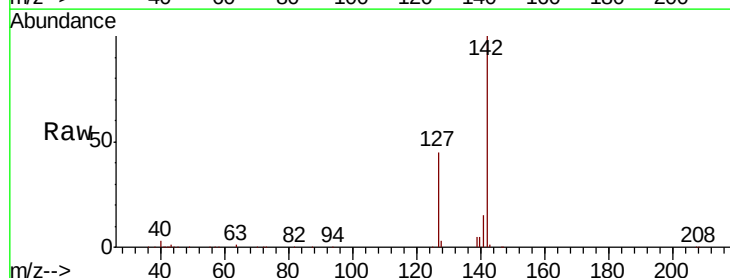


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

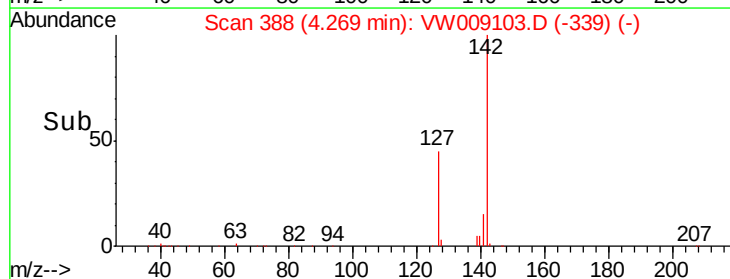
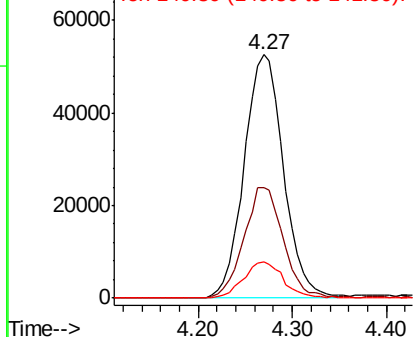


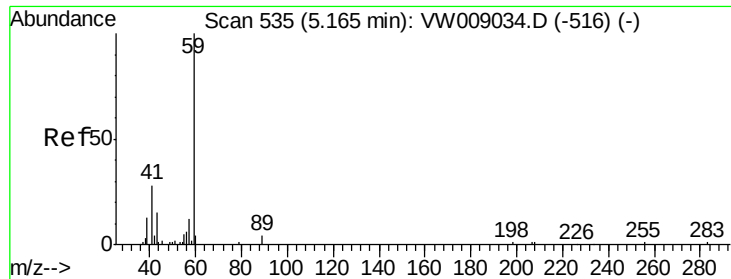
#10
 Methyl Iodide
 Concen: 45.586 ug/l
 RT: 4.27 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VW009103.D
 Acq: 11 Mar 2019 23:55

Tgt Ion:142 Resp: 153194
 Ion Ratio Lower Upper
 142 100
 127 45.4 35.8 53.6
 141 15.2 11.8 17.8



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

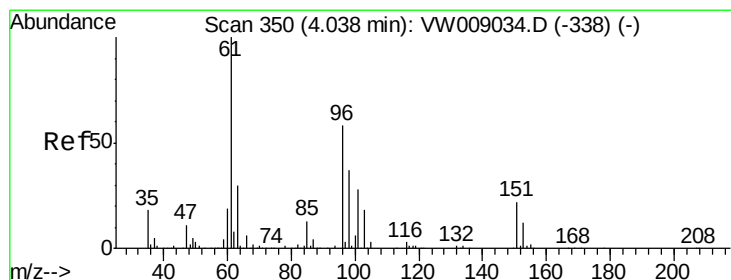
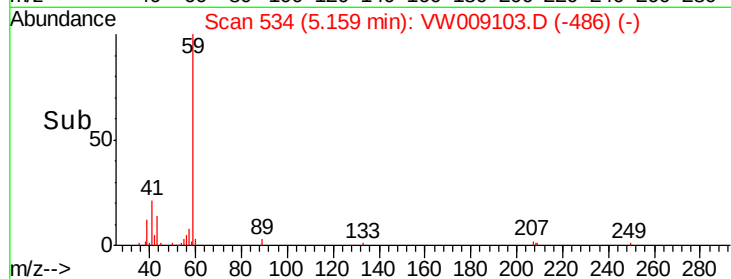
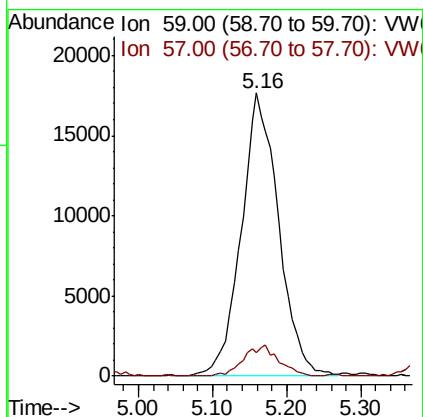
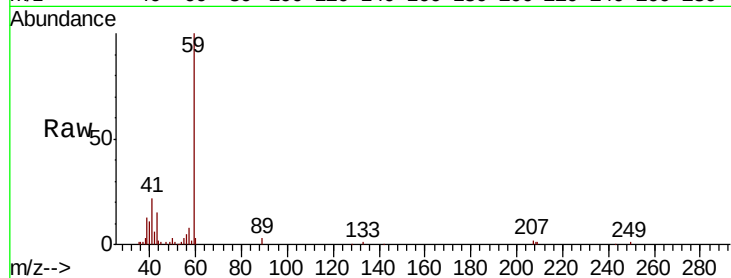




#11
 Tert butyl alcohol
 Concen: 268.774 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VW009103.D
 Acq: 11 Mar 2019 23:55

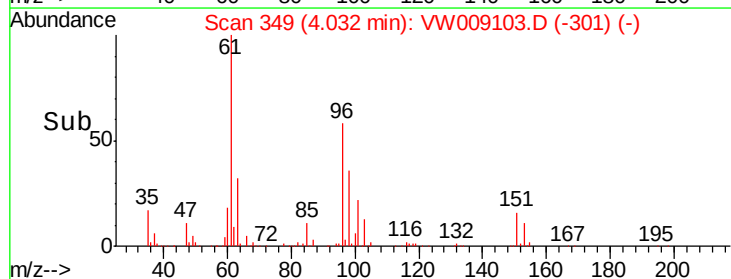
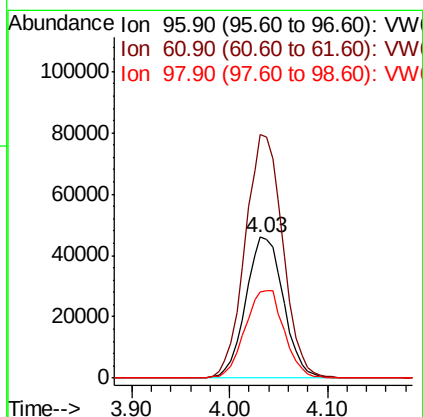
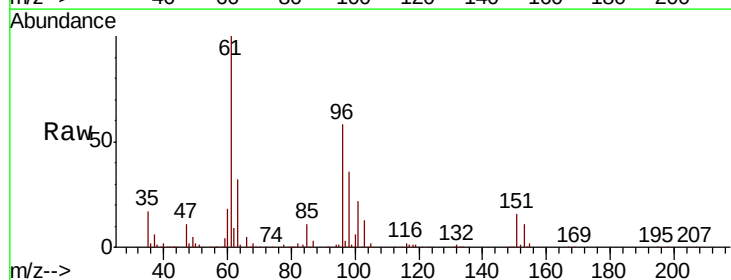
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

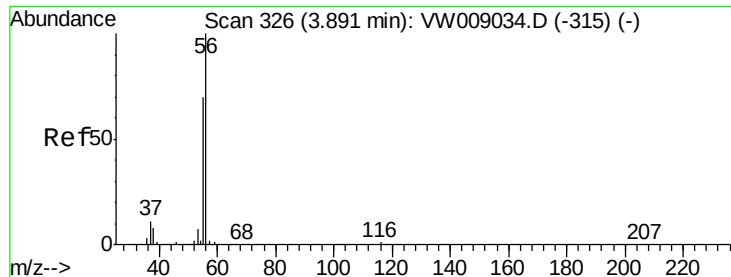
Tgt Ion: 59 Resp: 62025
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.6 12.8



#12
 1,1-Dichloroethene
 Concen: 45.871 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW009103.D
 Acq: 11 Mar 2019 23:55

Tgt Ion: 96 Resp: 123399
 Ion Ratio Lower Upper
 96 100
 61 173.2 138.2 207.2
 98 61.7 51.3 76.9





#13

Acrolein

Concen: 223.190 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW009103.D

Acq: 11 Mar 2019 23:55

Instrument :

MSVOA_W

ClientSampleId :

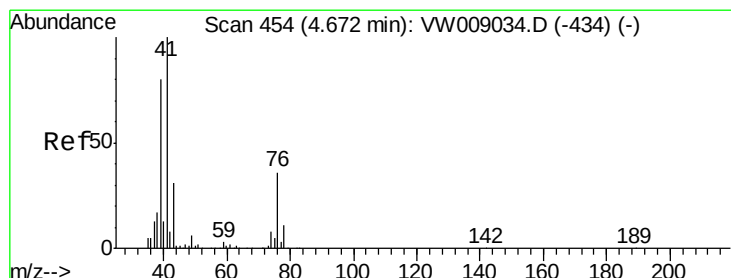
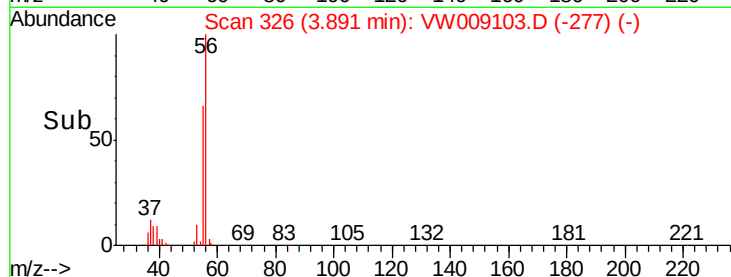
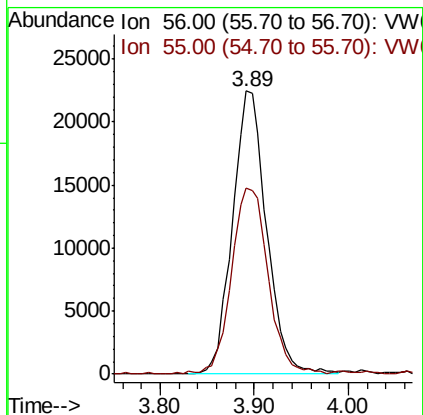
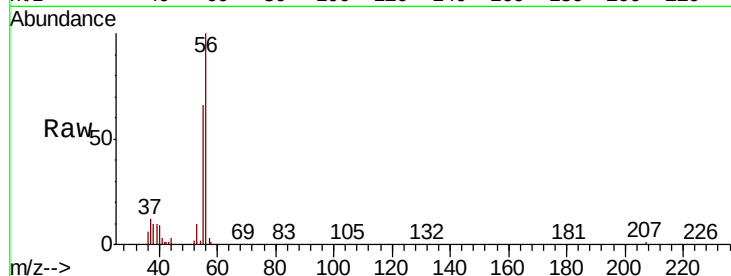
VSTDCCC050

Tgt Ion: 56 Resp: 56677

Ion Ratio Lower Upper

56 100

55 70.8 56.6 84.8



#14

Allyl chloride

Concen: 48.904 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW009103.D

Acq: 11 Mar 2019 23:55

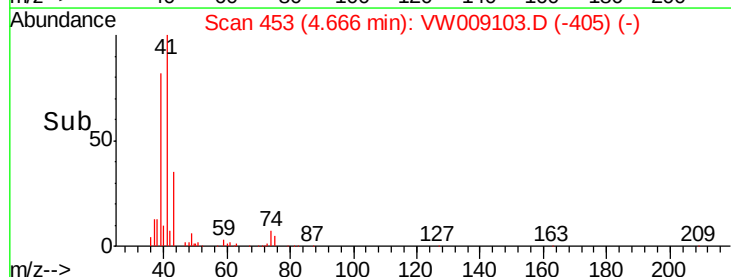
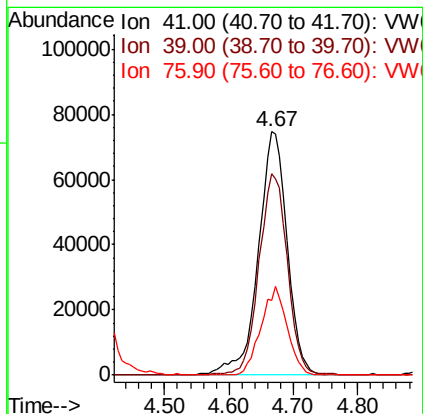
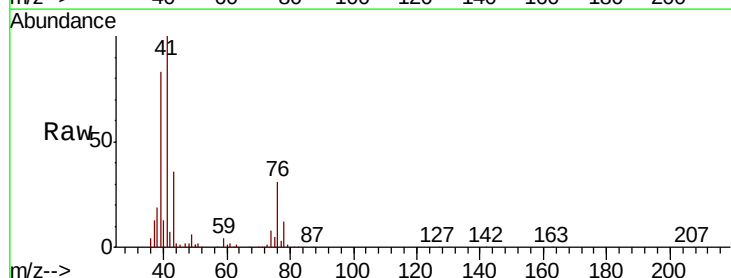
Tgt Ion: 41 Resp: 232061

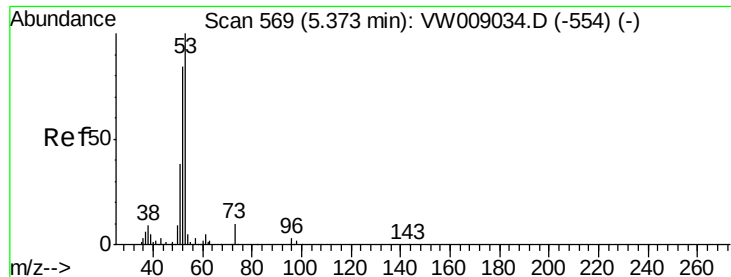
Ion Ratio Lower Upper

41 100

39 81.4 63.0 94.4

76 33.1 28.2 42.2

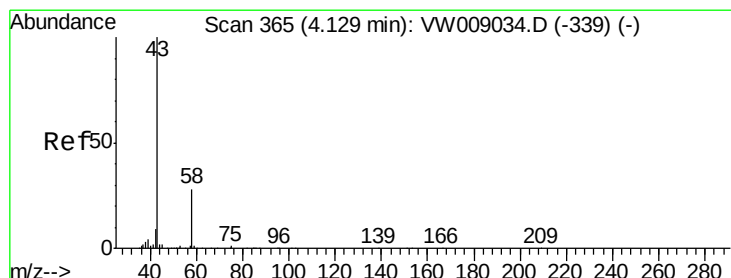
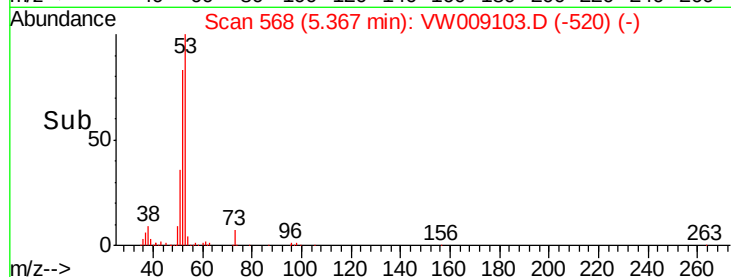
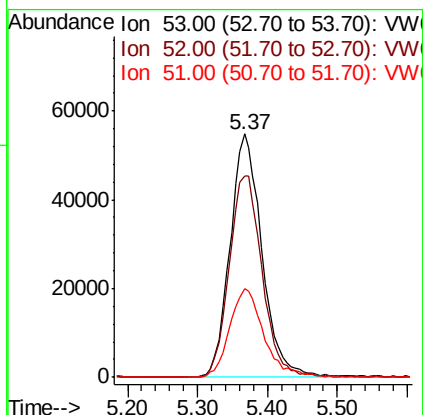
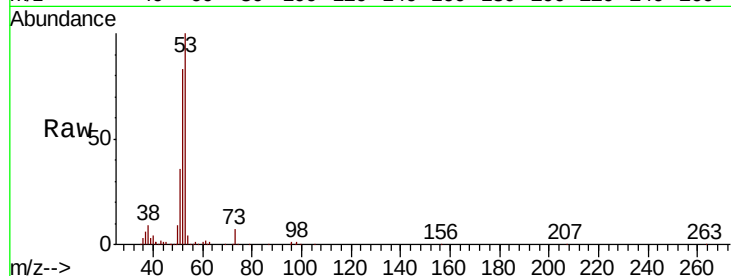




#15
 Acrylonitrile
 Concen: 260.507 ug/l
 RT: 5.37 min Scan# 568
 Delta R.T. -0.01 min
 Lab File: VW009103.D
 Acq: 11 Mar 2019 23:55

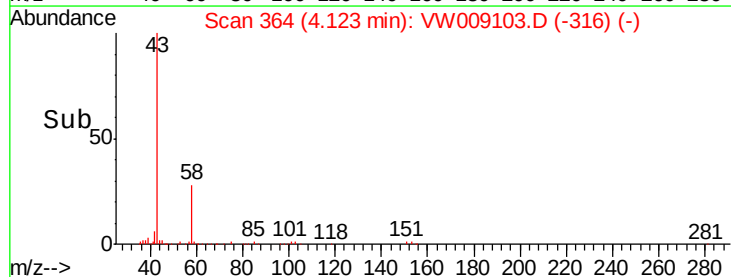
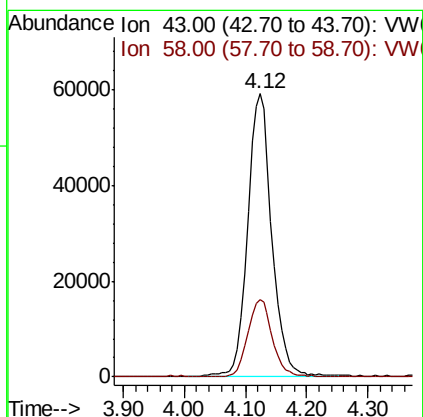
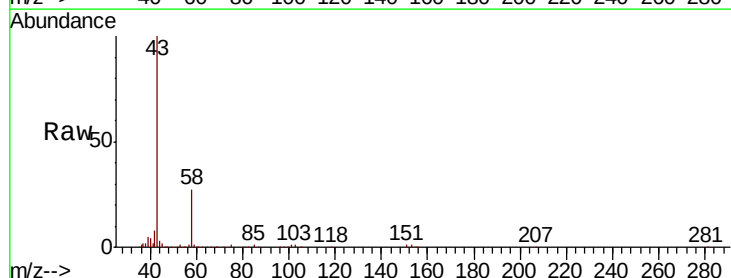
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

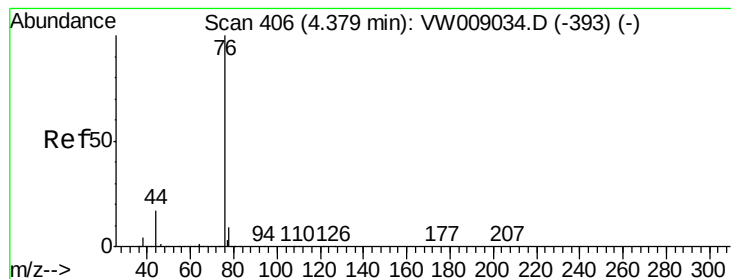
Tgt Ion: 53 Resp: 174079
 Ion Ratio Lower Upper
 53 100
 52 85.0 67.2 100.8
 51 39.1 31.8 47.6



#16
 Acetone
 Concen: 240.169 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VW009103.D
 Acq: 11 Mar 2019 23:55

Tgt Ion: 43 Resp: 163210
 Ion Ratio Lower Upper
 43 100
 58 27.3 22.5 33.7





#17

Carbon Disulfide

Concen: 46.607 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW009103.D

Acq: 11 Mar 2019 23:55

Instrument :

MSVOA_W

ClientSampleId :

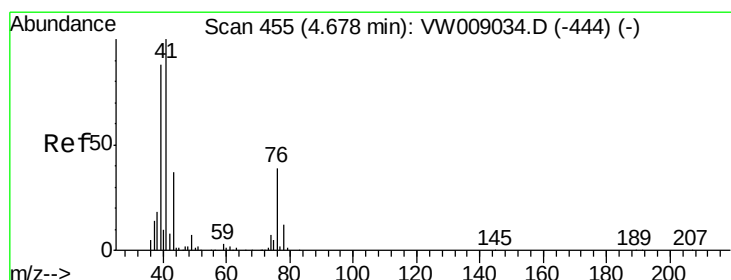
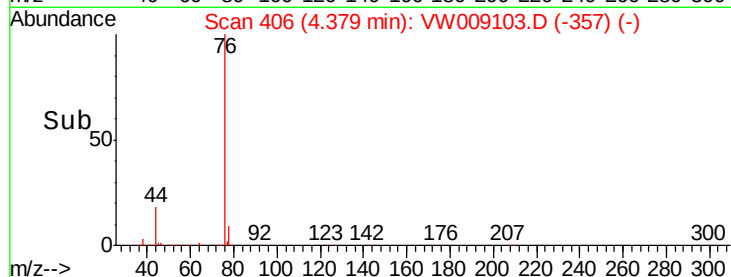
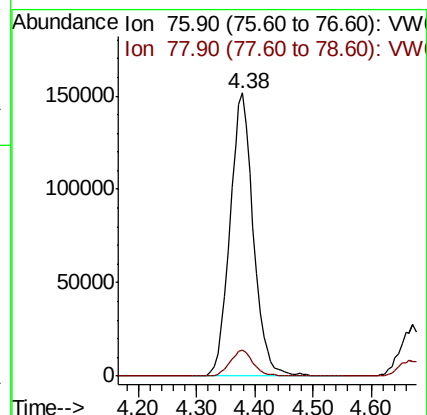
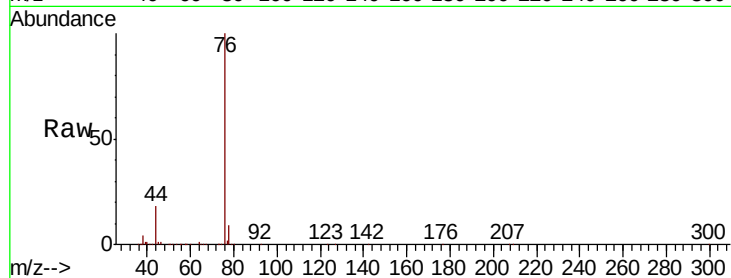
VSTDCCC050

Tgt Ion: 76 Resp: 421843

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6



#18

Methyl Acetate

Concen: 54.085 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW009103.D

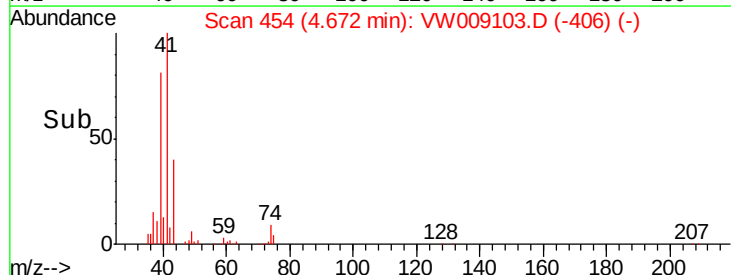
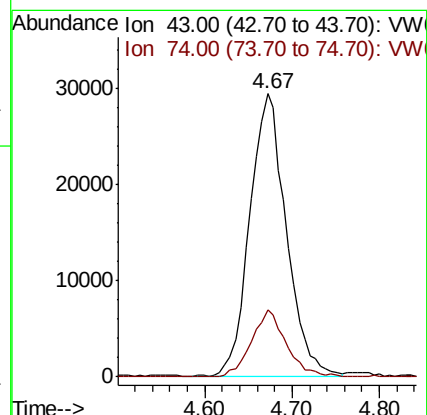
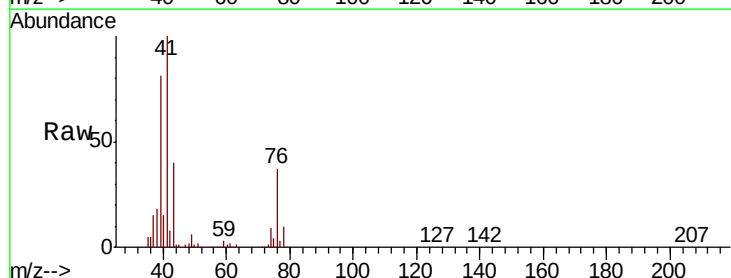
Acq: 11 Mar 2019 23:55

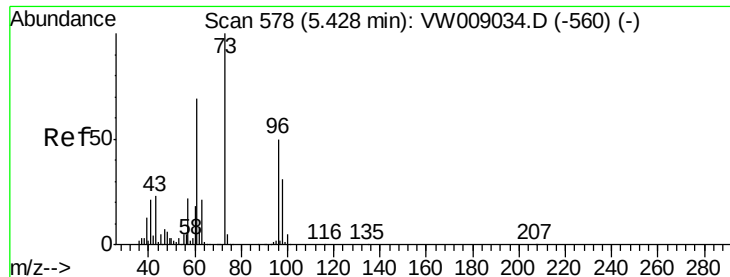
Tgt Ion: 43 Resp: 84517

Ion Ratio Lower Upper

43 100

74 22.7 17.6 26.4



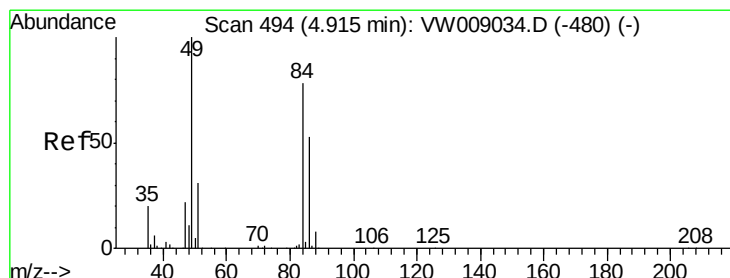
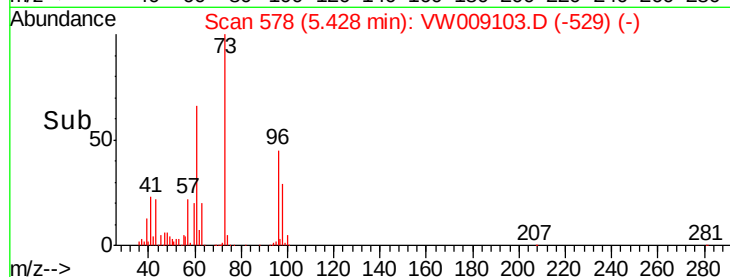
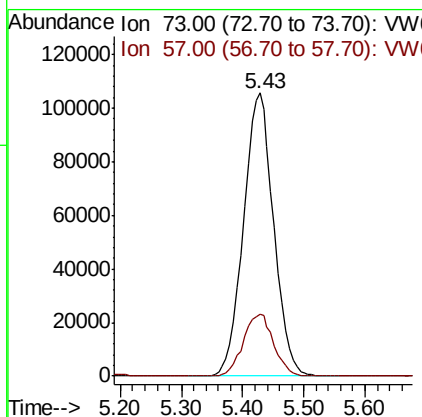
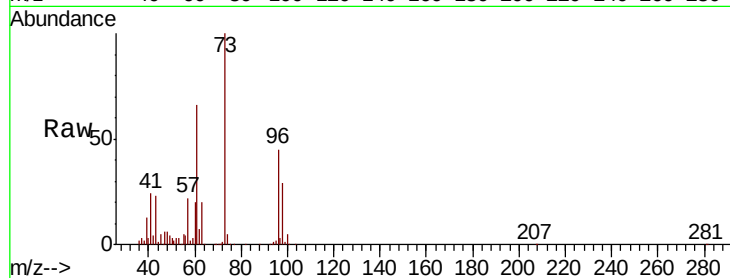


#19

Methyl tert-butyl Ether
 Concen: 50.772 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW009103.D
 Acq: 11 Mar 2019 23:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

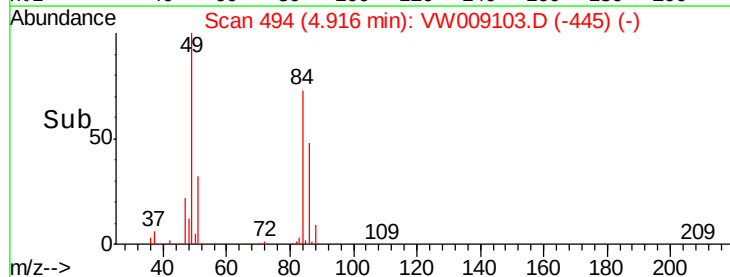
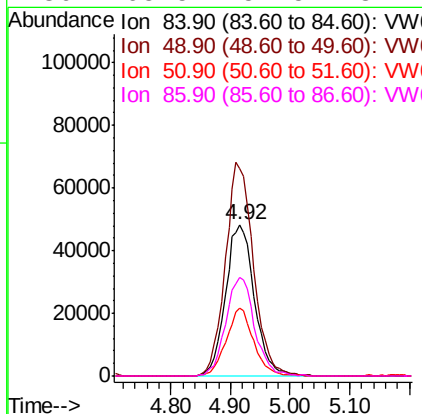
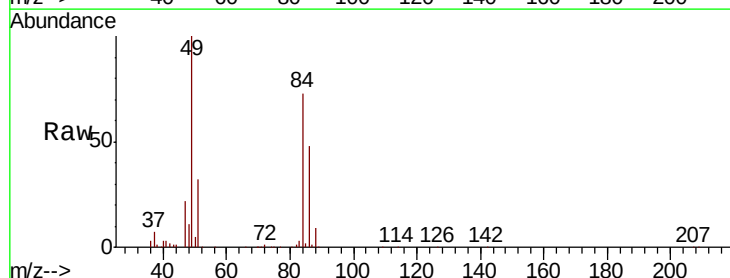
Tgt Ion: 73 Resp: 361304
 Ion Ratio Lower Upper
 73 100
 57 22.1 17.3 25.9

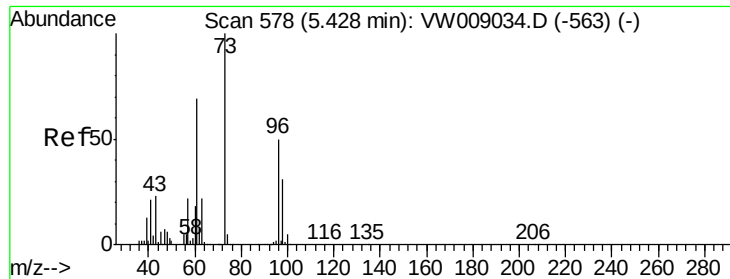


#20

Methylene Chloride
 Concen: 50.869 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW009103.D
 Acq: 11 Mar 2019 23:55

Tgt Ion: 84 Resp: 162317
 Ion Ratio Lower Upper
 84 100
 49 137.7 102.4 153.6
 51 44.5 31.6 47.4
 86 65.5 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 47.630 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW009103.D

Acq: 11 Mar 2019 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

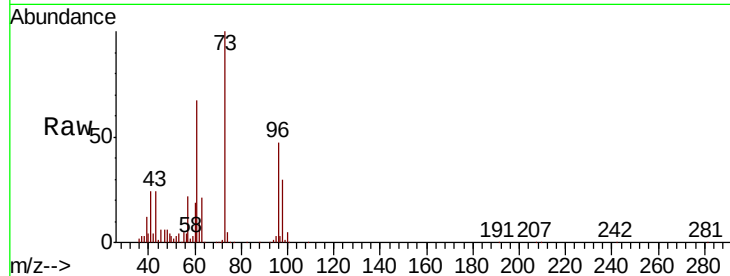
Tgt Ion: 96 Resp: 147946

Ion Ratio Lower Upper

96 100

61 142.7 111.0 166.6

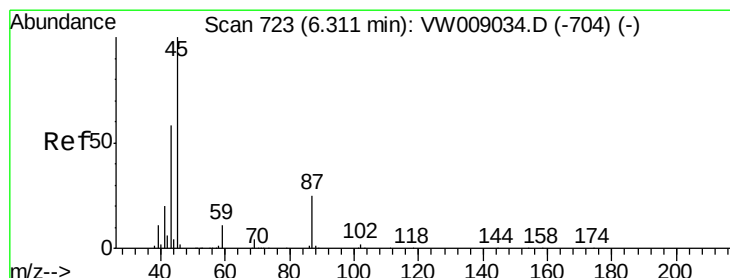
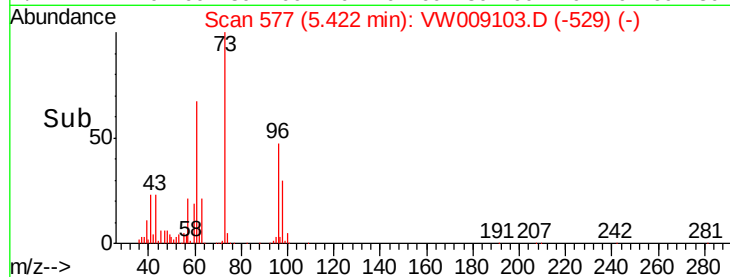
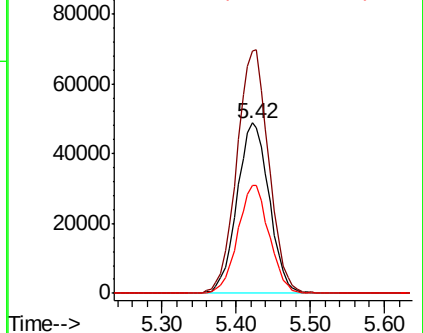
98 63.2 49.4 74.0



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 52.959 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW009103.D

Acq: 11 Mar 2019 23:55

Tgt Ion: 45 Resp: 499399

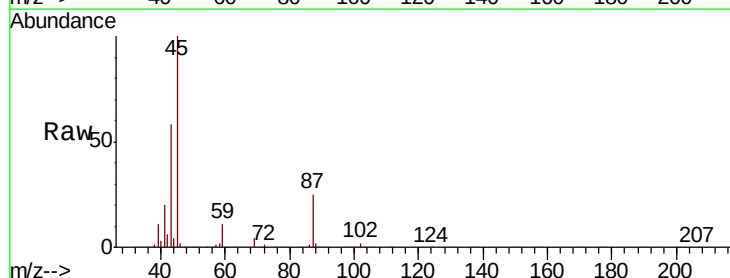
Ion Ratio Lower Upper

45 100

43 57.9 46.2 69.4

87 25.0 20.1 30.1

59 10.4 8.4 12.6

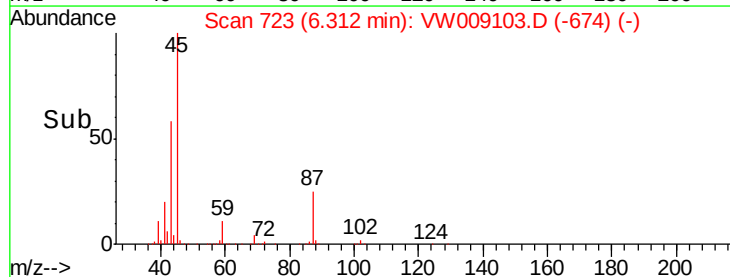
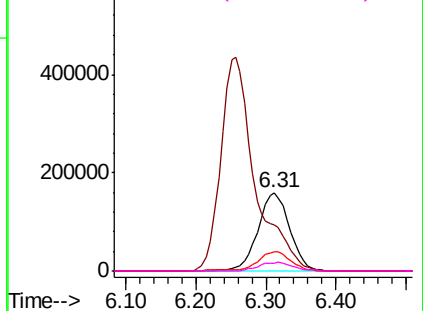


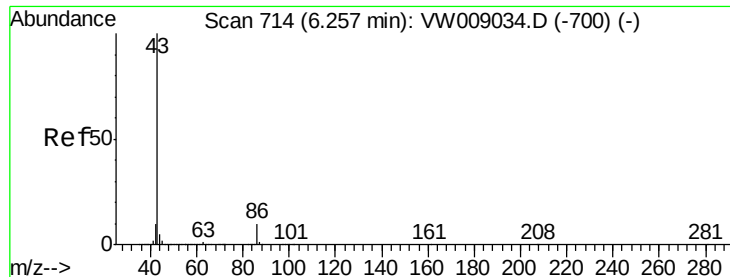
Abundance Ion 45.00 (44.70 to 45.70): VW

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: 251.078 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW009103.D

Acq: 11 Mar 2019 23:55

Instrument :

MSVOA_W

ClientSampleId :

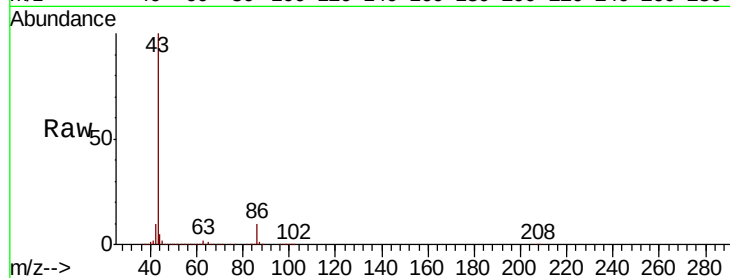
VSTDCCC050

Tgt Ion: 43 Resp: 1473374

Ion Ratio Lower Upper

43 100

86 9.8 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

400000

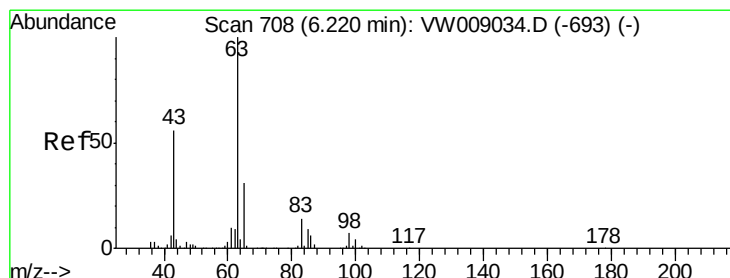
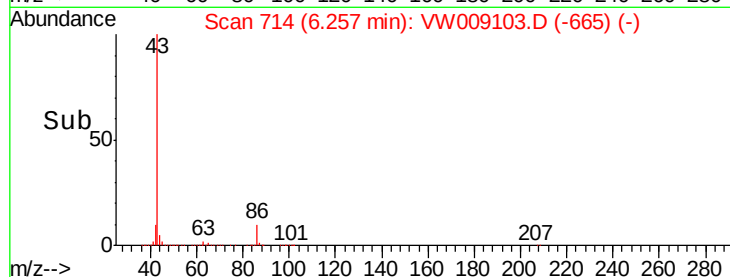
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.661 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW009103.D

Acq: 11 Mar 2019 23:55

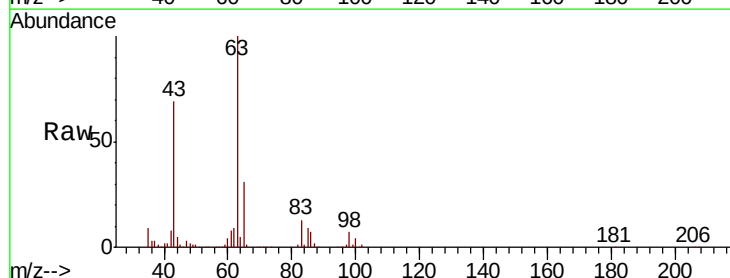
Tgt Ion: 63 Resp: 271624

Ion Ratio Lower Upper

63 100

98 7.5 3.4 10.2

100 4.5 2.1 6.2



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

120000

100000

80000

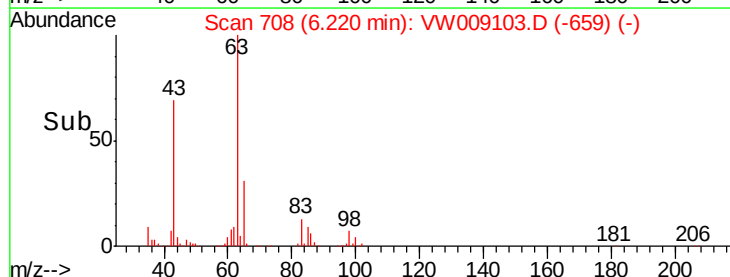
60000

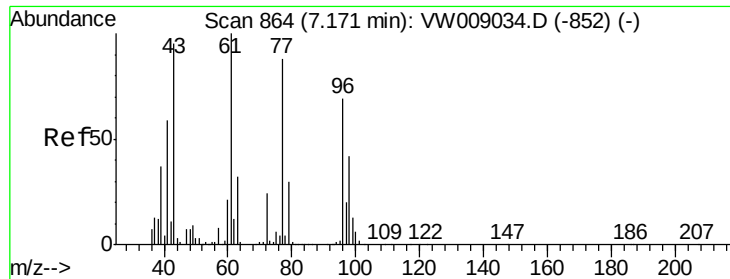
40000

20000

0

Time-->





#25

2-Butanone

Concen: 244.074 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW009103.D

Acq: 11 Mar 2019 23:55

Instrument :

MSVOA_W

ClientSampleId :

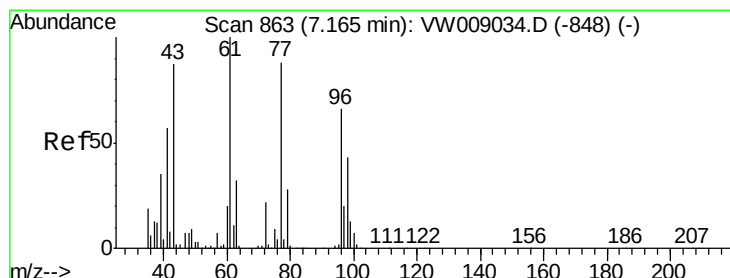
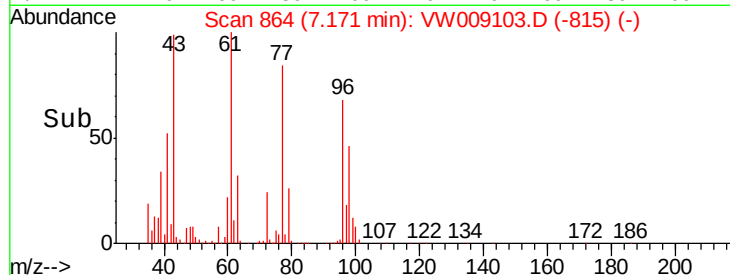
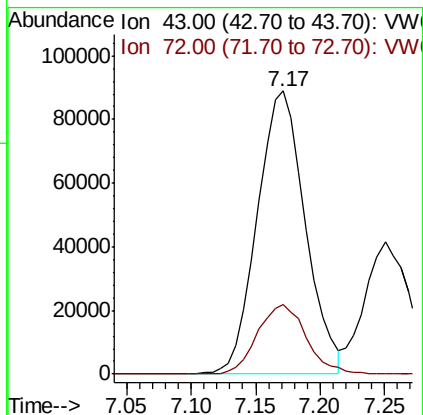
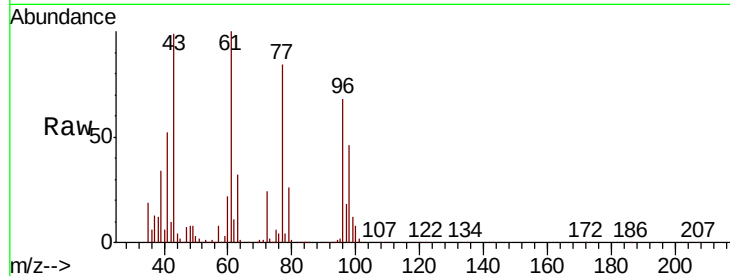
VSTDCCC050

Tgt Ion: 43 Resp: 229227

Ion Ratio Lower Upper

43 100

72 24.4 20.0 30.0



#26

2,2-Dichloropropane

Concen: 43.459 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW009103.D

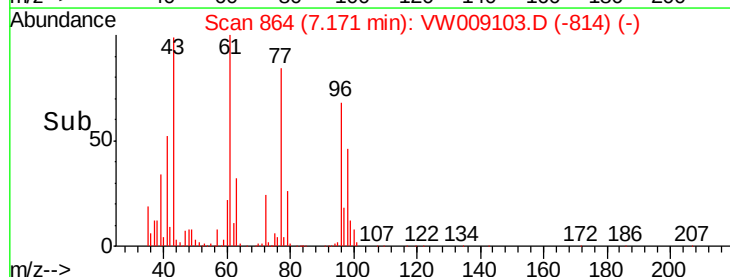
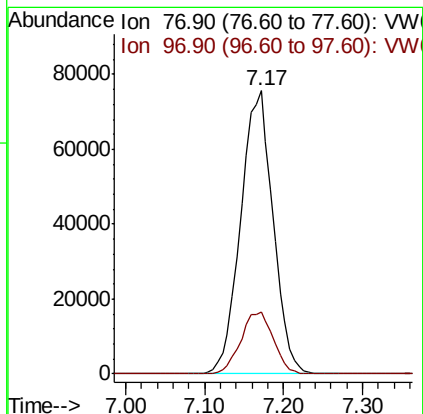
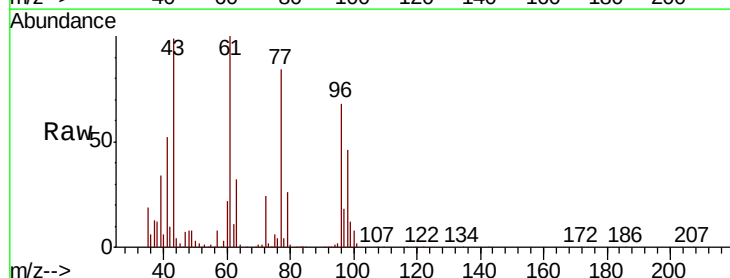
Acq: 11 Mar 2019 23:55

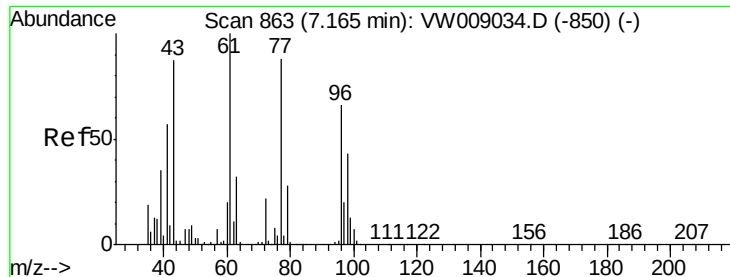
Tgt Ion: 77 Resp: 216067

Ion Ratio Lower Upper

77 100

97 22.0 10.9 32.9



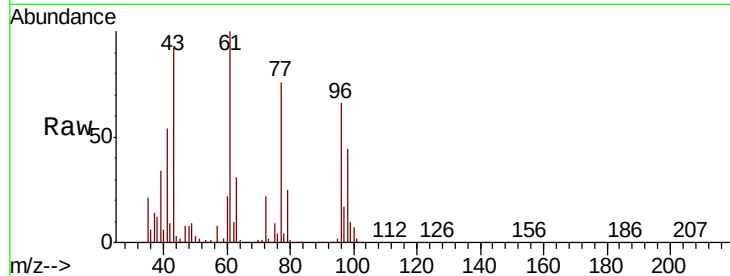


#27

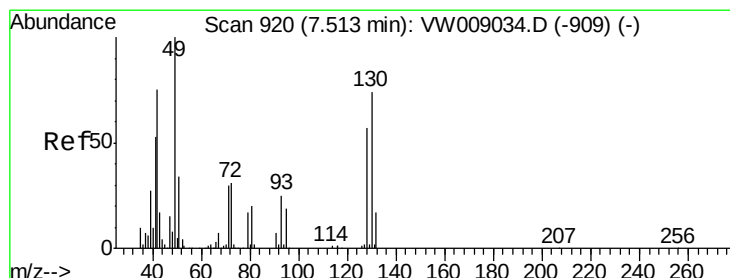
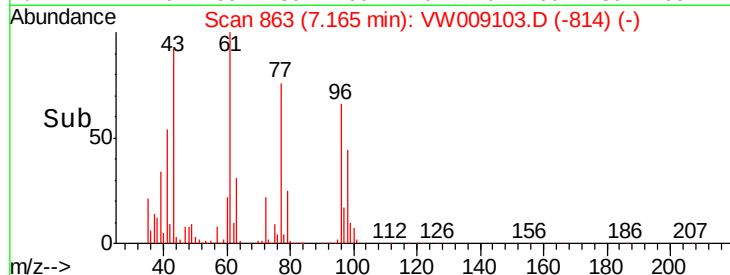
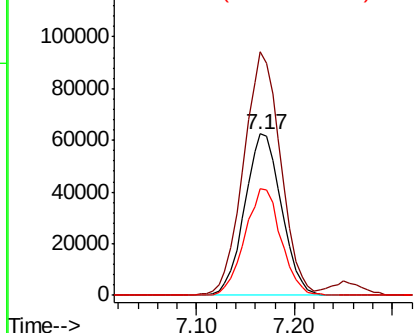
cis-1,2-Dichloroethene
Concen: 49.071 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW009103.D
Acq: 11 Mar 2019 23:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 163701
Ion Ratio Lower Upper
96 100
61 151.9 0.0 299.8
98 65.2 0.0 127.2



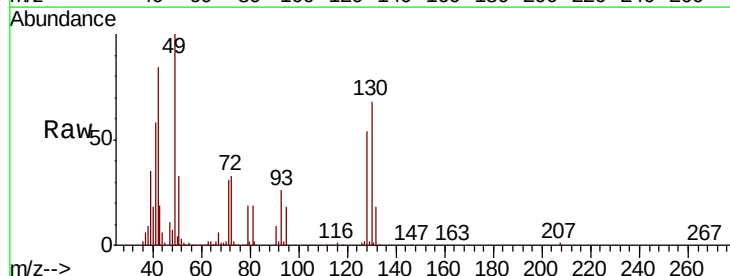
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



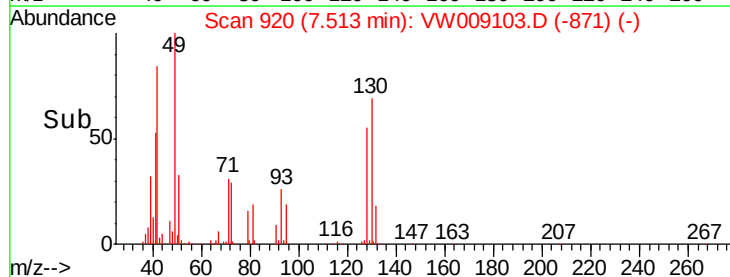
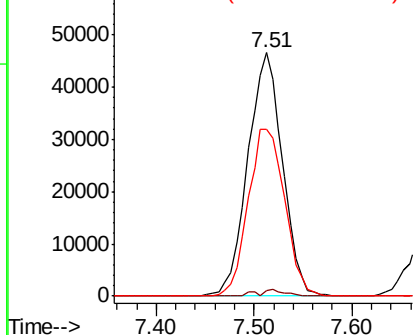
#28

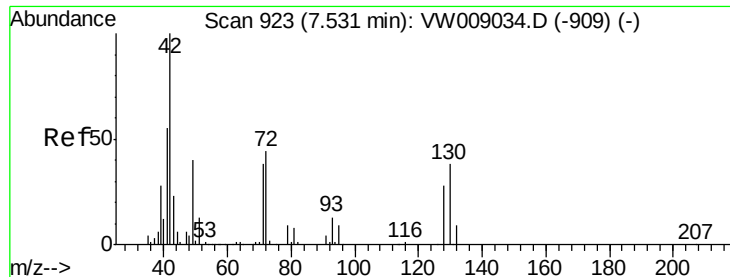
Bromochloromethane
Concen: 50.271 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW009103.D
Acq: 11 Mar 2019 23:55

Tgt Ion: 49 Resp: 114370
Ion Ratio Lower Upper
49 100
129 1.5 0.0 4.6
130 72.7 60.4 90.6



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

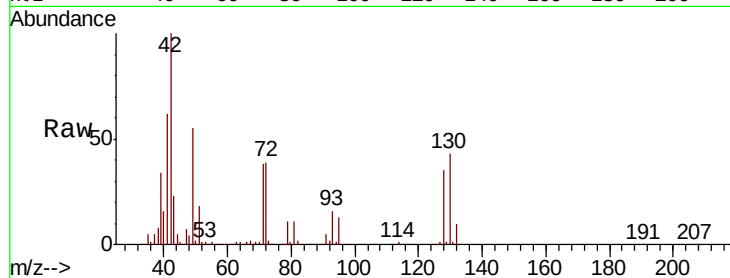




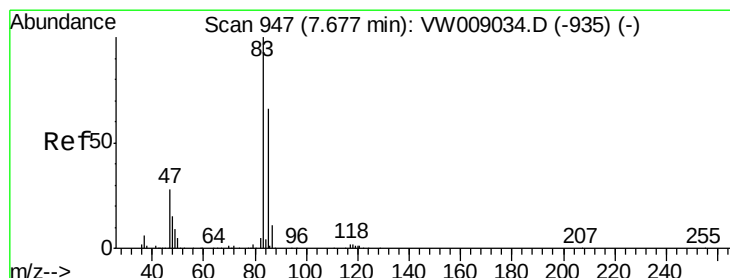
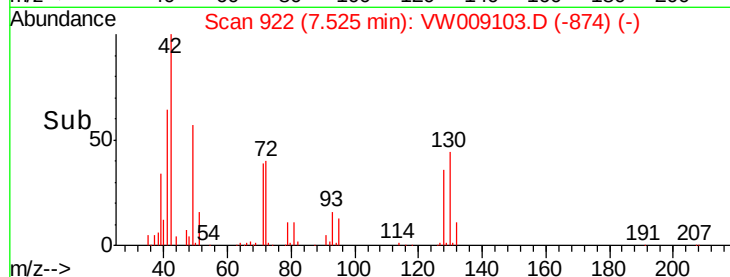
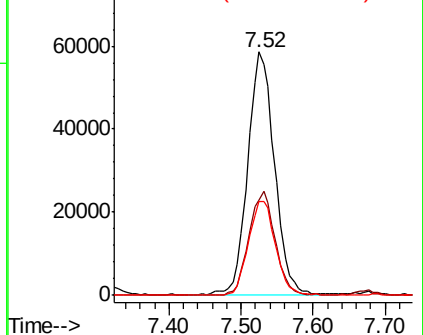
#29
Tetrahydrofuran
Concen: 254.127 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW009103.D
Acq: 11 Mar 2019 23:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 150403
Ion Ratio Lower Upper
42 100
72 41.9 32.2 48.4
71 39.5 30.7 46.1

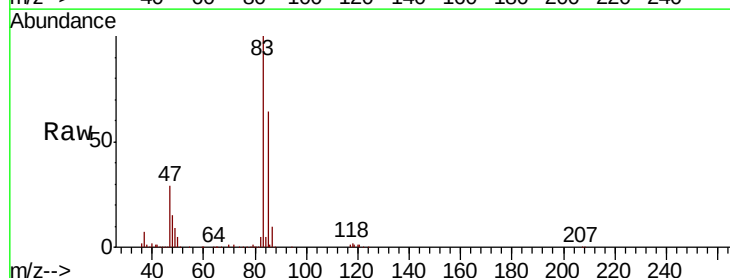


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

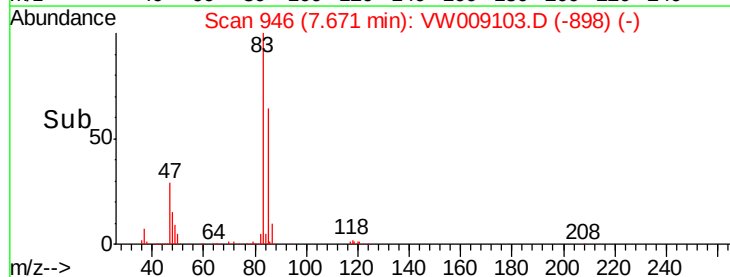
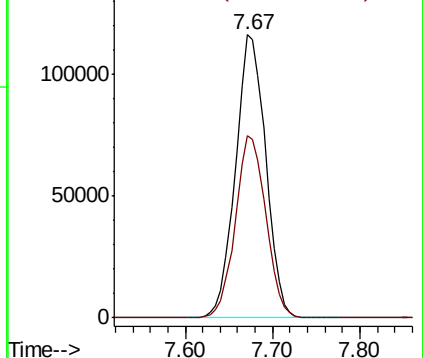


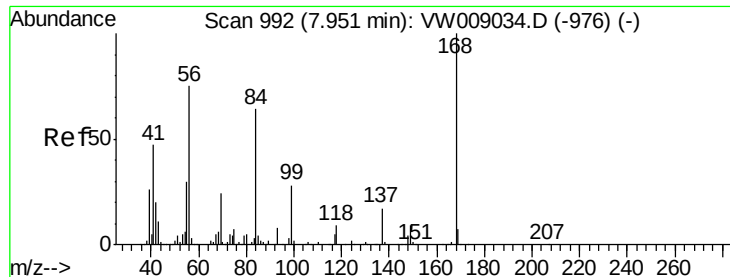
#30
Chloroform
Concen: 49.647 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW009103.D
Acq: 11 Mar 2019 23:55

Tgt Ion: 83 Resp: 279570
Ion Ratio Lower Upper
83 100
85 64.4 53.0 79.6



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW

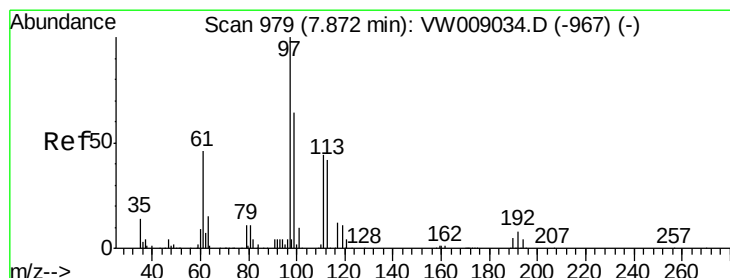
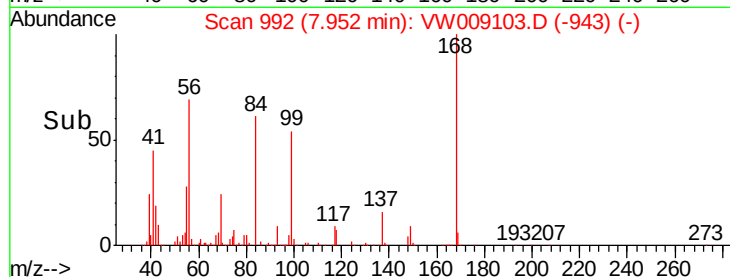
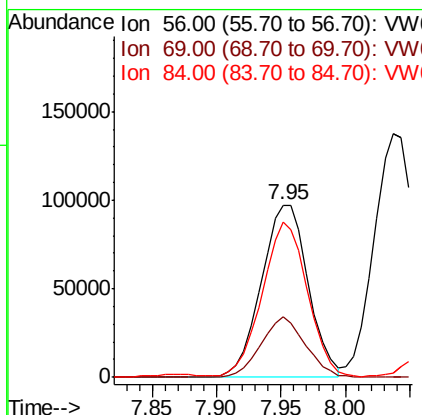
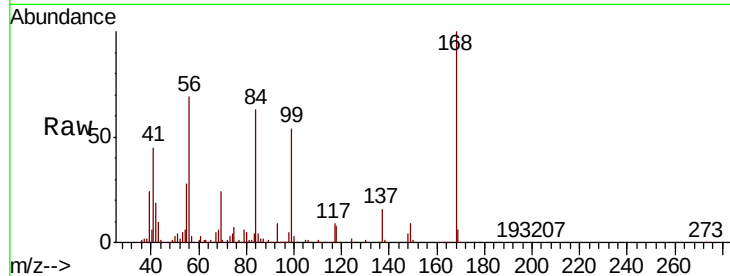




#31
Cyclohexane
Concen: 43.611 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW009103.D
Acq: 11 Mar 2019 23:55

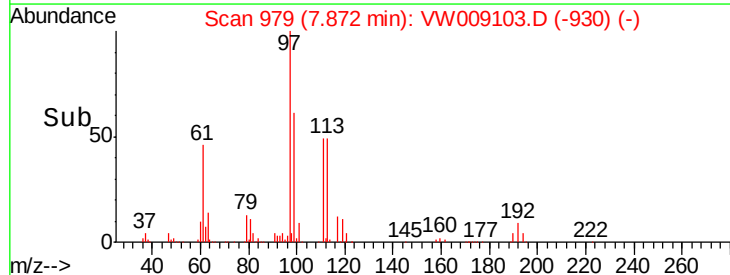
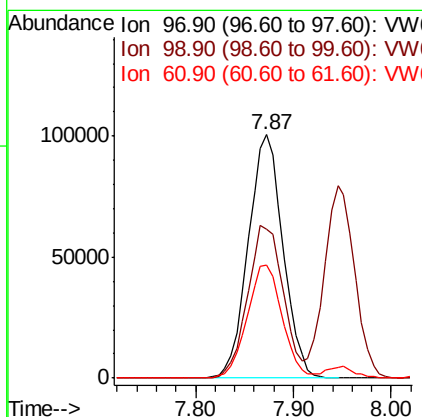
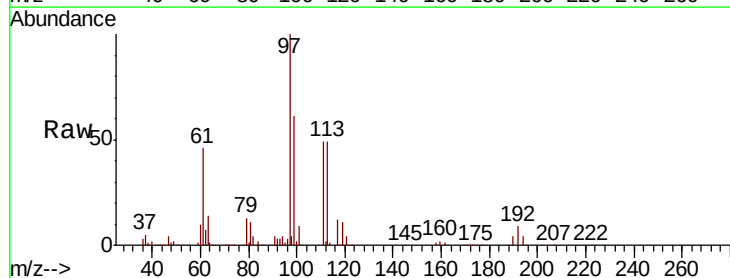
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

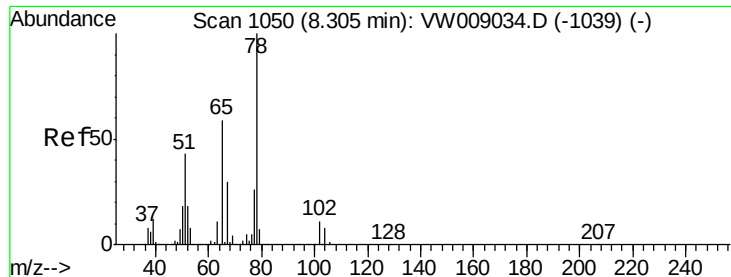
Tgt Ion: 56 Resp: 244926
Ion Ratio Lower Upper
56 100
69 35.3 25.5 38.3
84 88.7 68.6 103.0



#32
1,1,1-Trichloroethane
Concen: 47.639 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW009103.D
Acq: 11 Mar 2019 23:55

Tgt Ion: 97 Resp: 247571
Ion Ratio Lower Upper
97 100
99 64.3 51.8 77.8
61 46.9 37.3 55.9

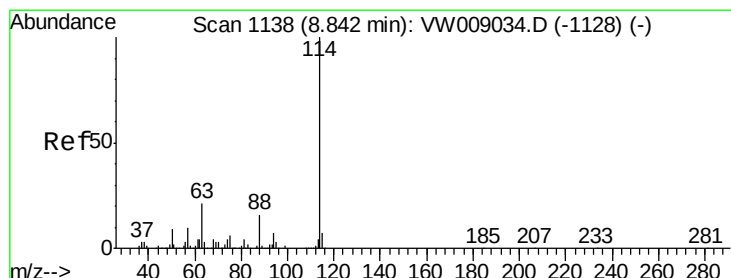
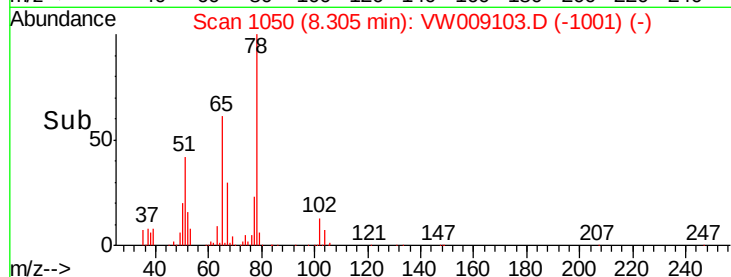
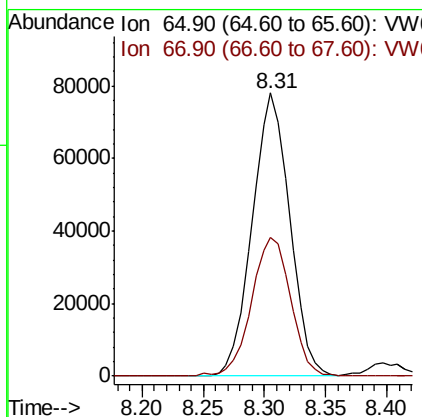
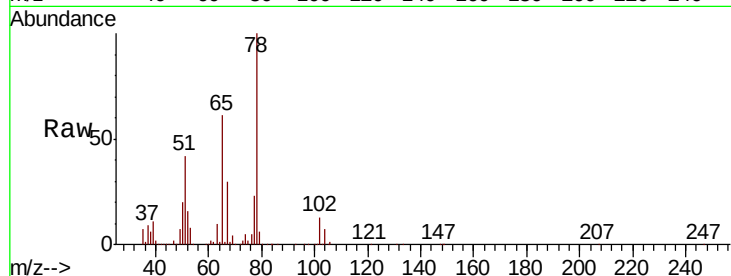




#33
 1,2-Dichloroethane-d4
 Concen: 55.457 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009103.D
 Acq: 11 Mar 2019 23:55

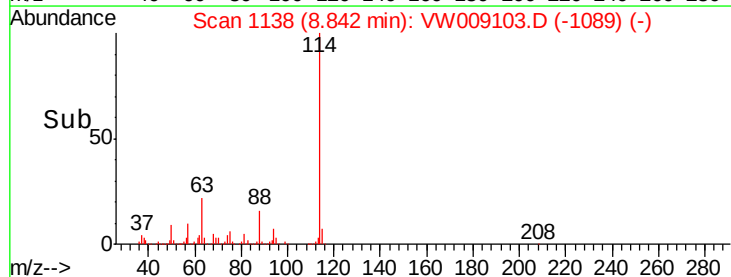
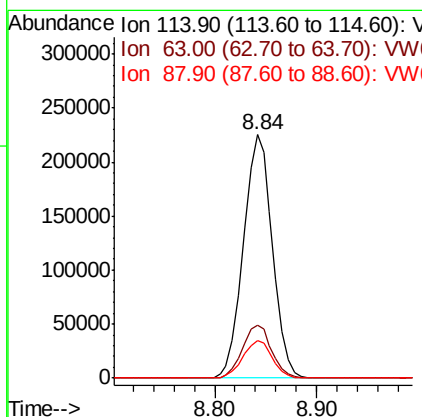
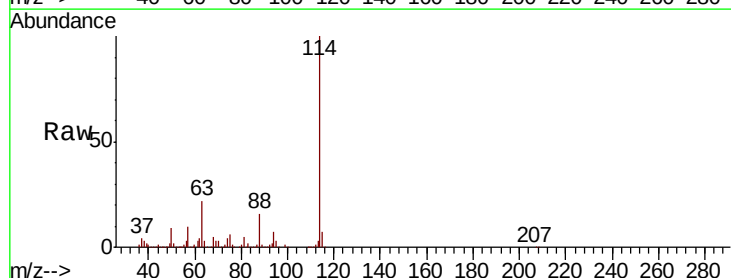
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

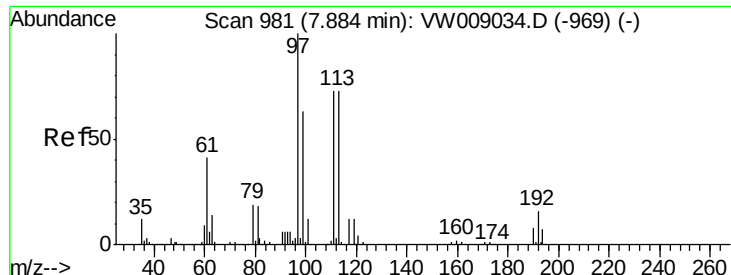
Tgt Ion: 65 Resp: 167008
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009103.D
 Acq: 11 Mar 2019 23:55

Tgt Ion: 114 Resp: 443584
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 41.2
 88 15.6 0.0 31.2

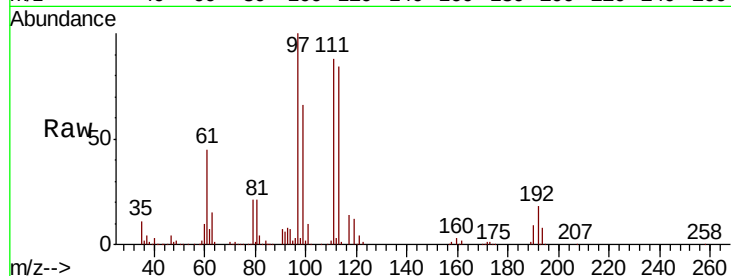




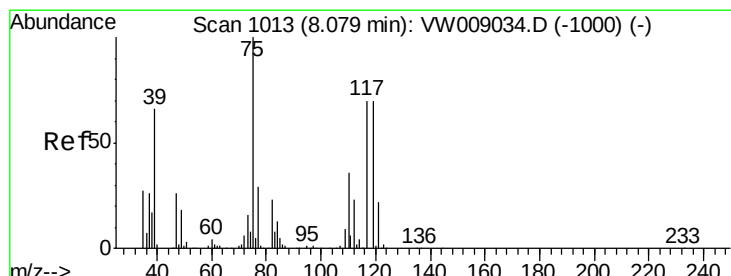
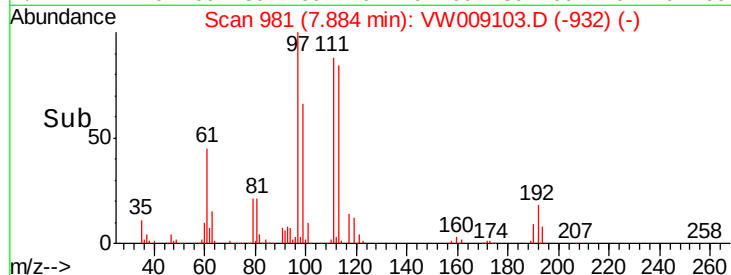
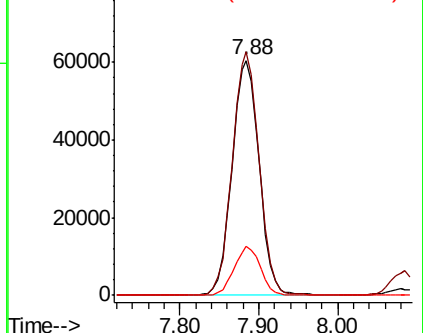
#35
 Dibromofluoromethane
 Concen: 54.019 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW009103.D
 Acq: 11 Mar 2019 23:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 113 Resp: 144273
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.0 121.4
 192 20.2 17.1 25.7

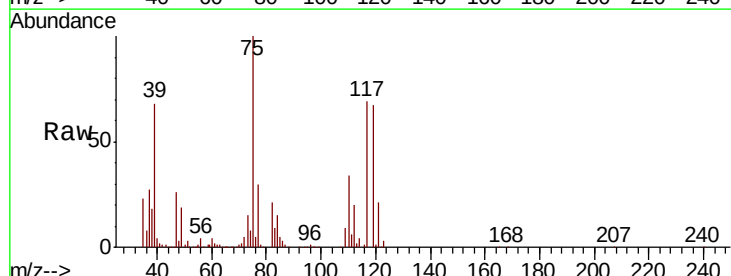


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

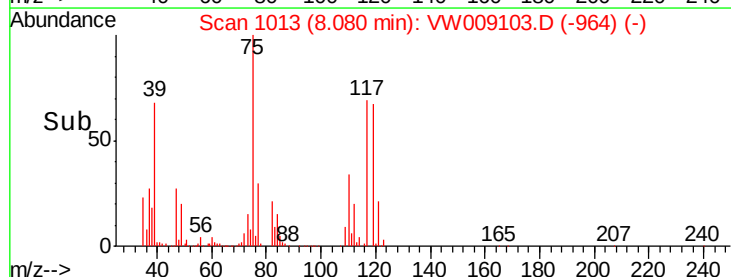
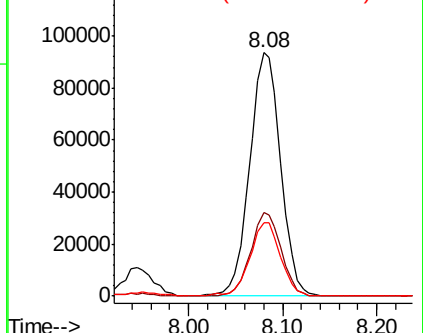


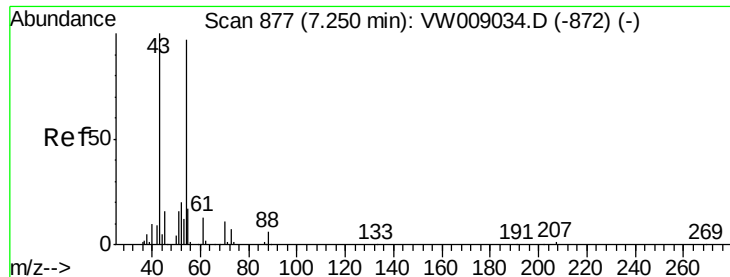
#36
 1,1-Dichloropropene
 Concen: 46.559 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW009103.D
 Acq: 11 Mar 2019 23:55

Tgt Ion: 75 Resp: 215949
 Ion Ratio Lower Upper
 75 100
 110 33.8 17.6 52.9
 77 30.2 25.1 37.7



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

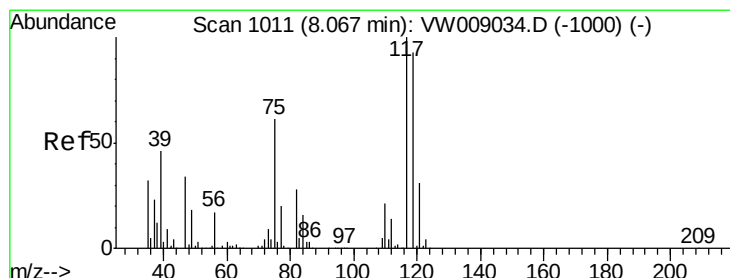
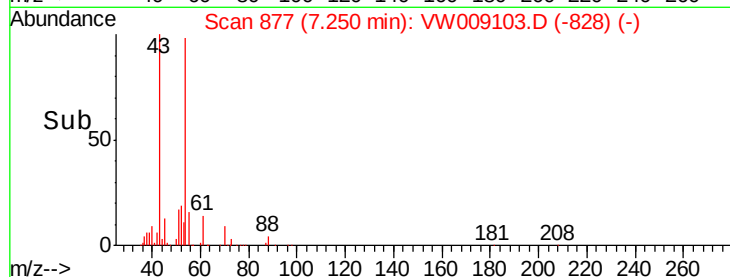
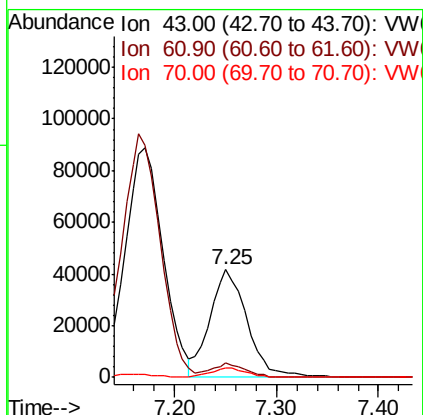
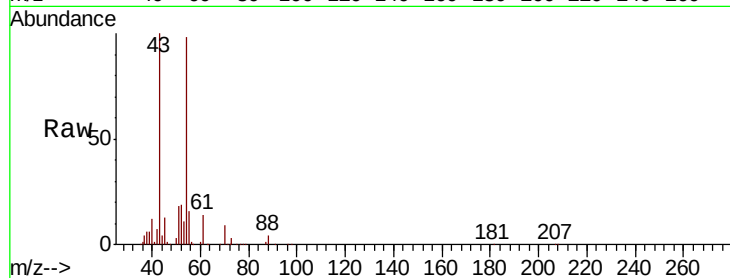




#37
 Ethyl Acetate
 Concen: 48.044 ug/l
 RT: 7.25 min Scan# 877
 Delta R.T. 0.00 min
 Lab File: VW009103.D
 Acq: 11 Mar 2019 23:55

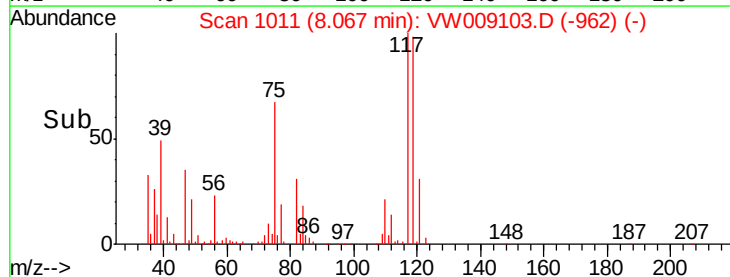
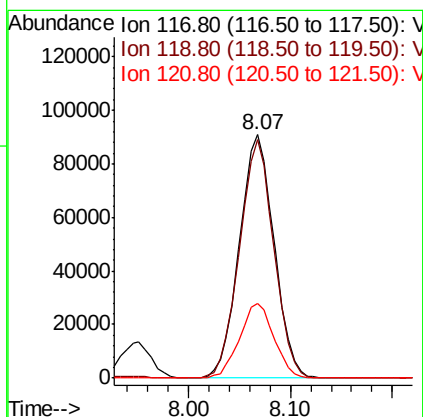
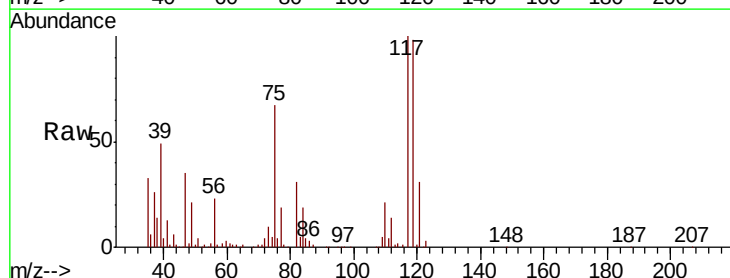
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

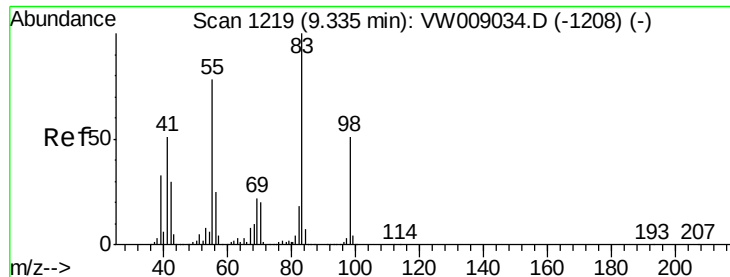
Tgt Ion: 43 Resp: 104669
 Ion Ratio Lower Upper
 43 100
 61 12.0 9.8 14.6
 70 8.6 7.2 10.8



#38
 Carbon Tetrachloride
 Concen: 44.875 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VW009103.D
 Acq: 11 Mar 2019 23:55

Tgt Ion: 117 Resp: 214951
 Ion Ratio Lower Upper
 117 100
 119 98.1 74.6 112.0
 121 30.6 24.7 37.1

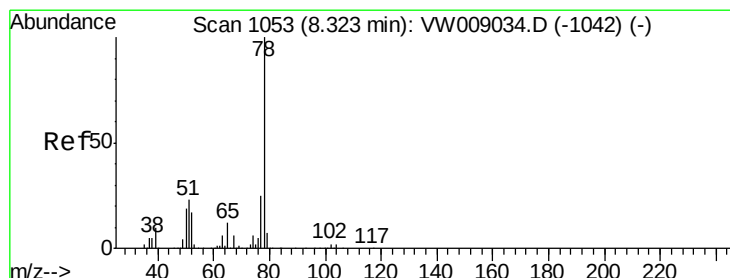
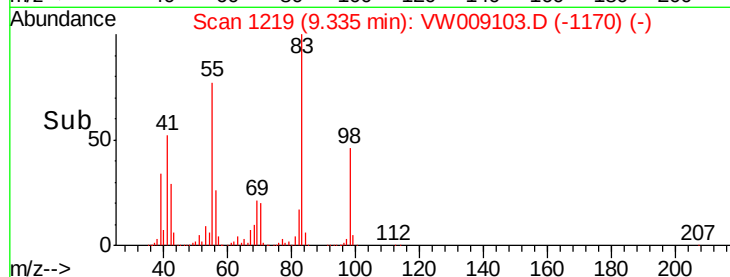
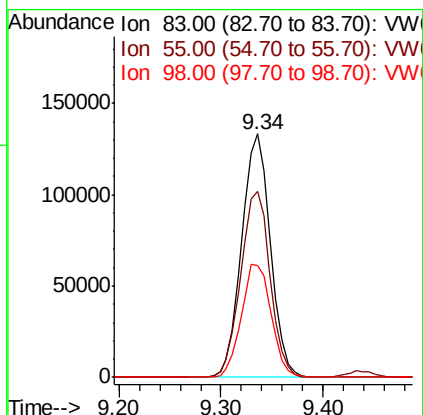
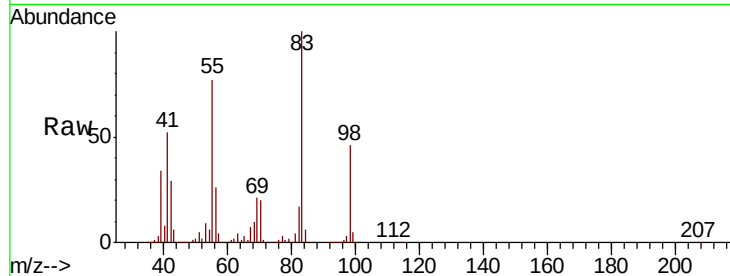




#39
Methylcyclohexane
Concen: 47.347 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009103.D
Acq: 11 Mar 2019 23:55

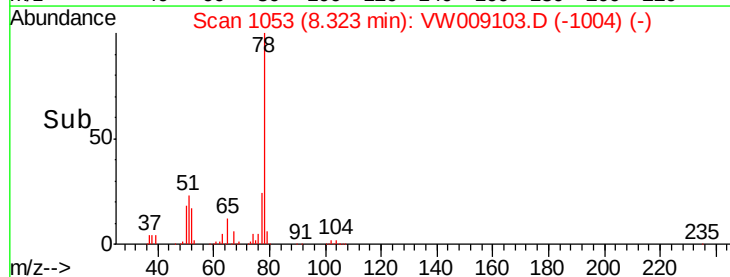
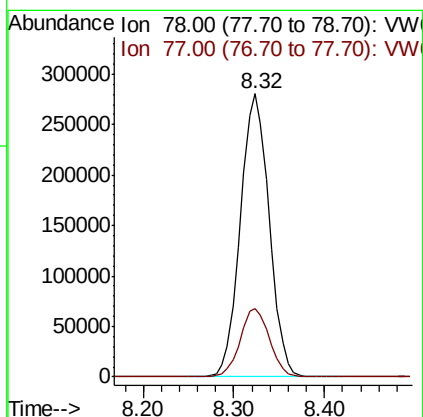
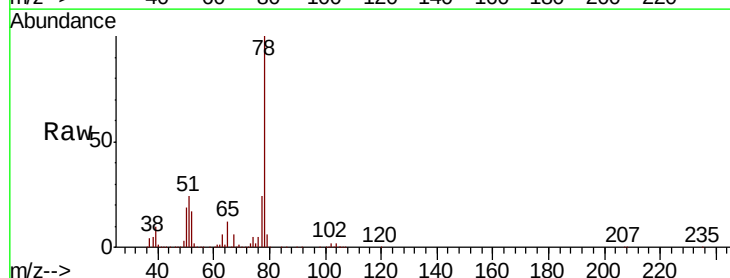
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

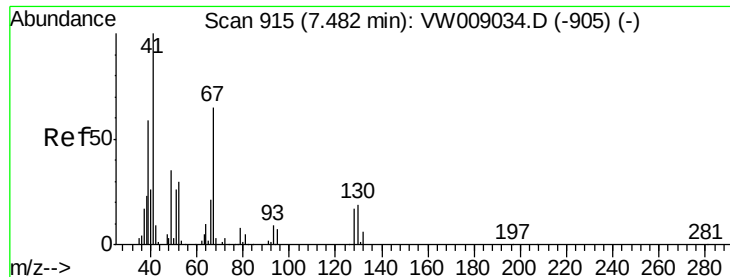
Tgt Ion: 83 Resp: 261567
Ion Ratio Lower Upper
83 100
55 76.4 62.7 94.1
98 45.7 40.8 61.2



#40
Benzene
Concen: 49.762 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW009103.D
Acq: 11 Mar 2019 23:55

Tgt Ion: 78 Resp: 616127
Ion Ratio Lower Upper
78 100
77 24.3 20.2 30.4

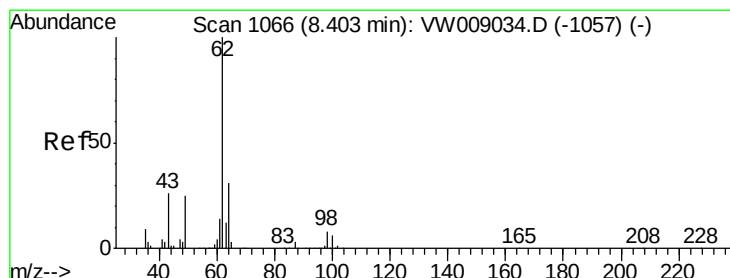
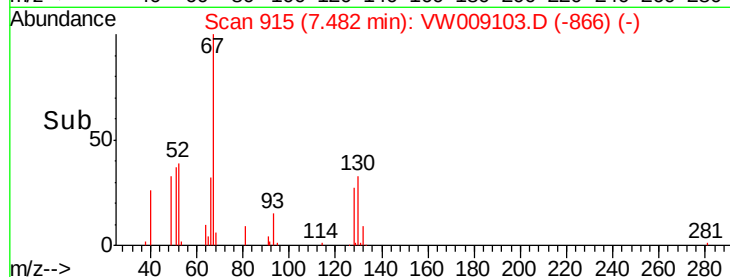
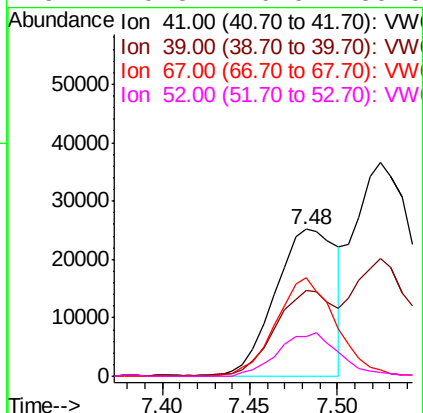
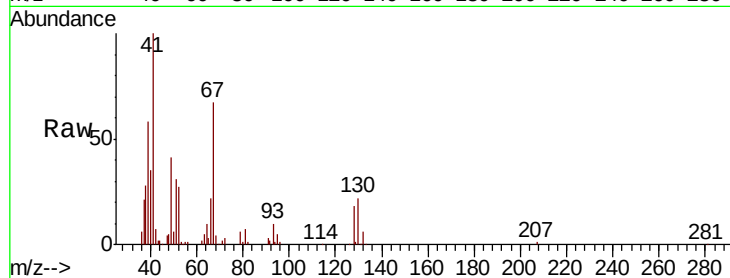




#41
Methacrylonitrile
Concen: 50.840 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW009103.D
Acq: 11 Mar 2019 23:55

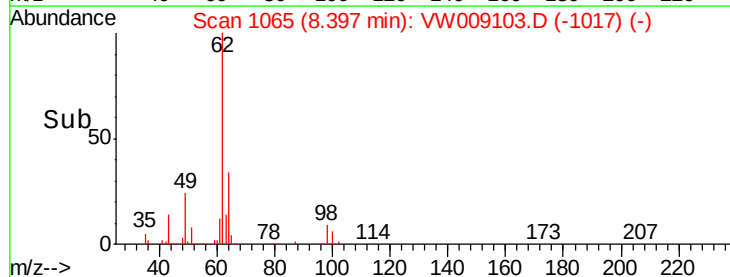
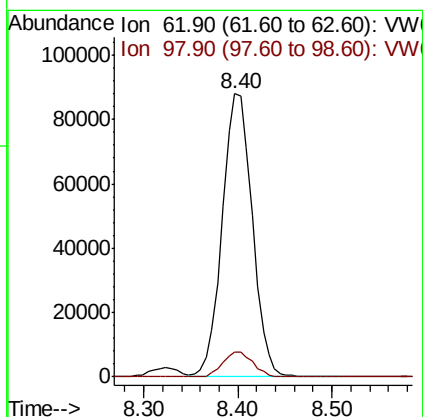
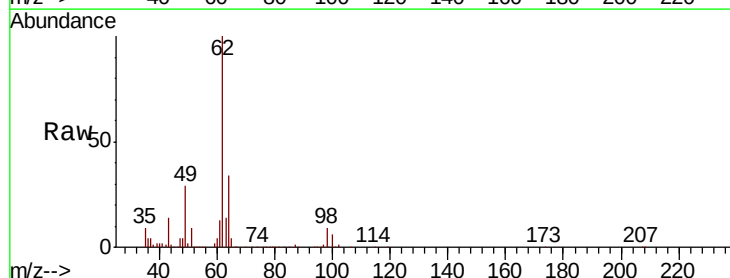
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

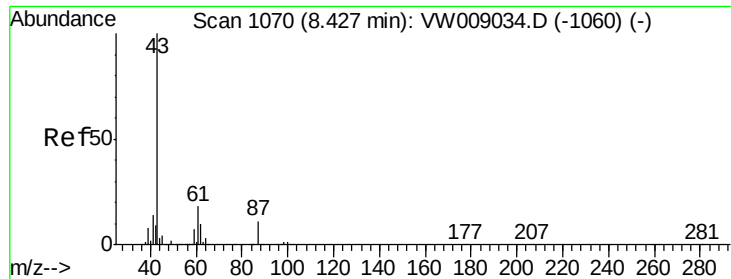
Tgt Ion:	41	Resp:	61507
Ion	Ratio	Lower	Upper
41	100		
39	56.9	53.6	80.4
67	65.9	57.6	86.4
52	29.8	26.0	39.0



#42
1,2-Dichloroethane
Concen: 48.729 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW009103.D
Acq: 11 Mar 2019 23:55

Tgt Ion:	62	Resp:	194781
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.6





#43

Isopropyl Acetate

Concen: 51.317 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW009103.D

Acq: 11 Mar 2019 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

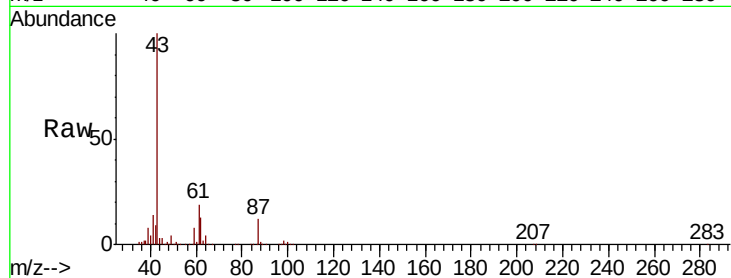
Tgt Ion: 43 Resp: 208224

Ion Ratio Lower Upper

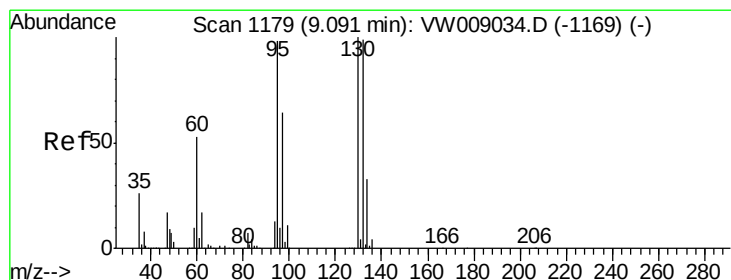
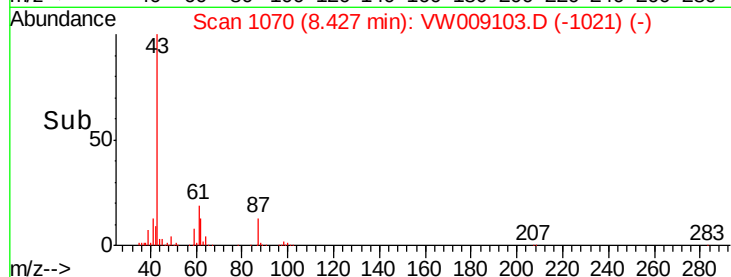
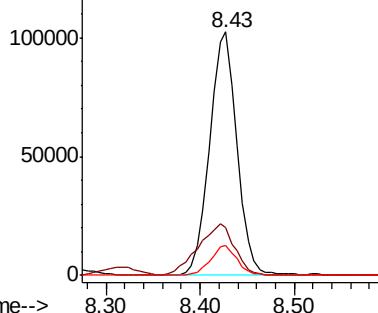
43 100

61 28.2 22.8 34.2

87 11.8 9.4 14.2



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: 46.431 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW009103.D

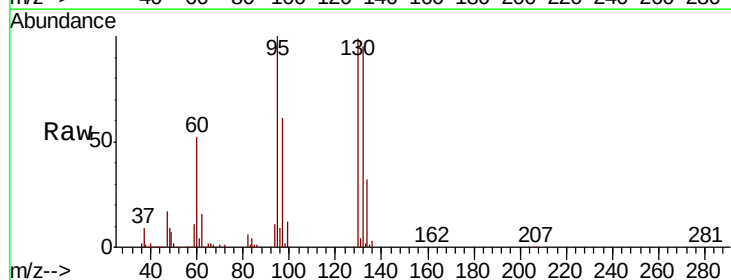
Acq: 11 Mar 2019 23:55

Tgt Ion: 130 Resp: 161126

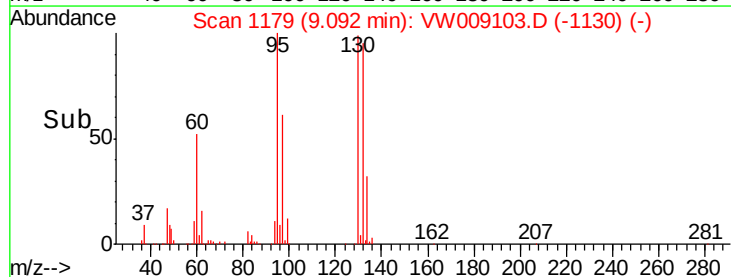
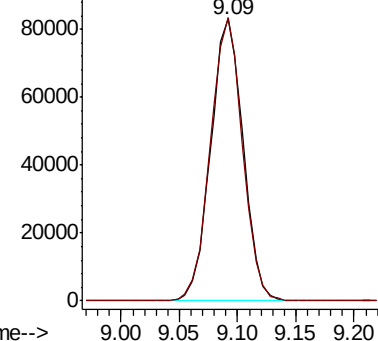
Ion Ratio Lower Upper

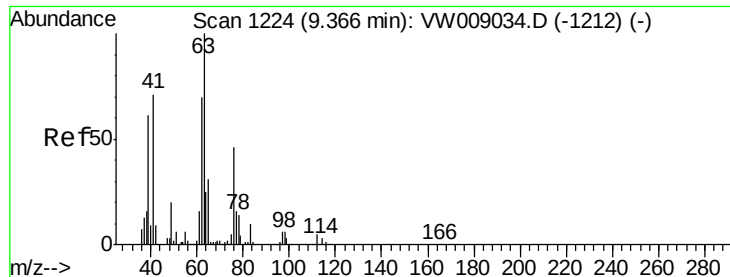
130 100

95 100.6 0.0 197.0



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

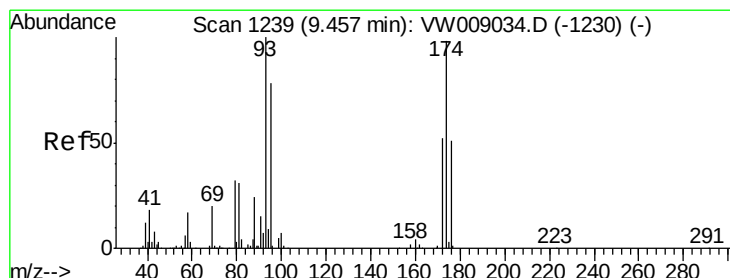
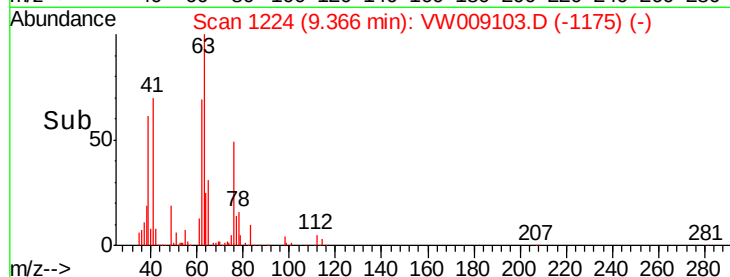
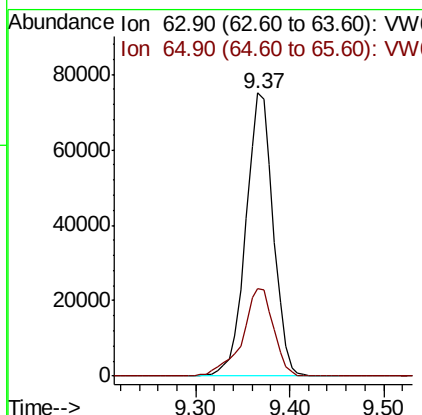
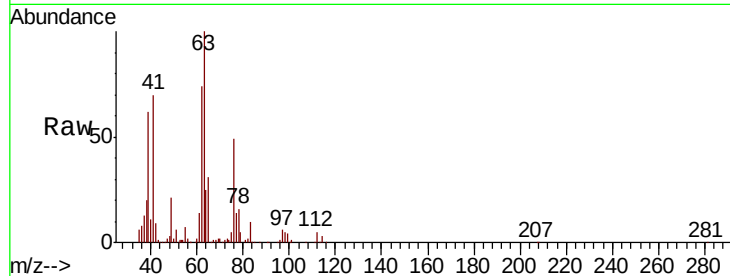




#45
 1,2-Dichloropropane
 Concen: 49.284 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW009103.D
 Acq: 11 Mar 2019 23:55

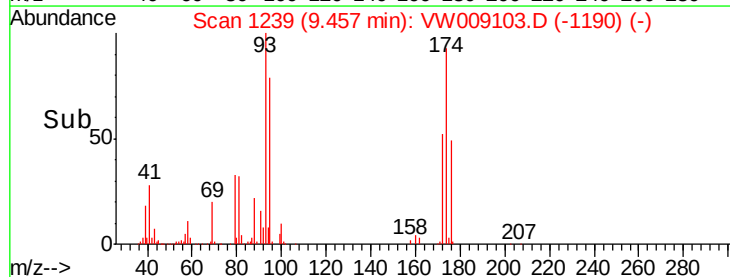
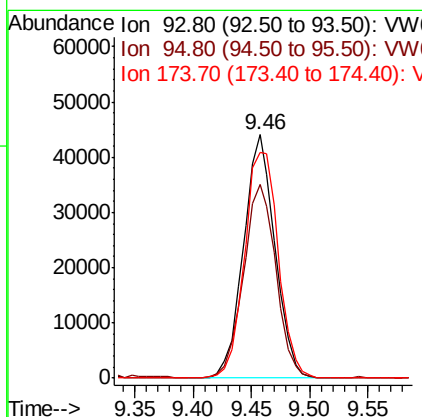
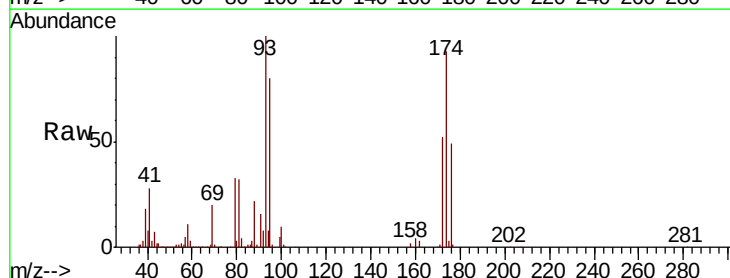
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

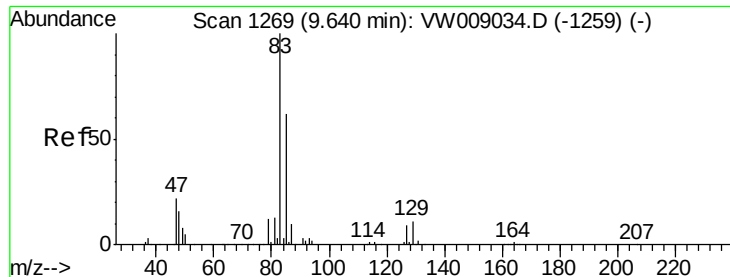
Tgt Ion: 63 Resp: 152829
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.9 37.3



#46
 Dibromomethane
 Concen: 48.951 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW009103.D
 Acq: 11 Mar 2019 23:55

Tgt Ion: 93 Resp: 82902
 Ion Ratio Lower Upper
 93 100
 95 82.4 65.0 97.6
 174 100.0 81.8 122.6





#47

Bromodichloromethane

Concen: 48.949 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW009103.D

Acq: 11 Mar 2019 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

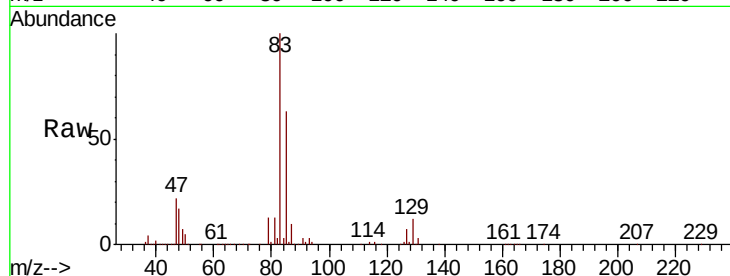
Tgt Ion: 83 Resp: 209850

Ion Ratio Lower Upper

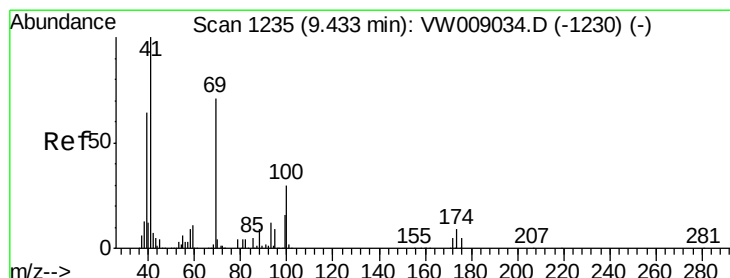
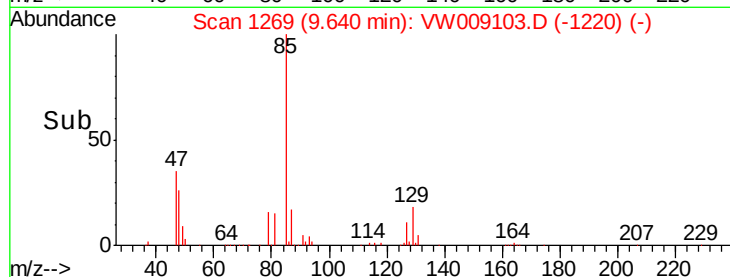
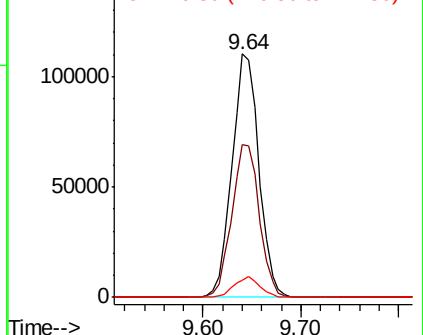
83 100

85 62.8 49.9 74.9

127 7.2 7.1 10.7



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



#48

Methyl methacrylate

Concen: 54.018 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW009103.D

Acq: 11 Mar 2019 23:55

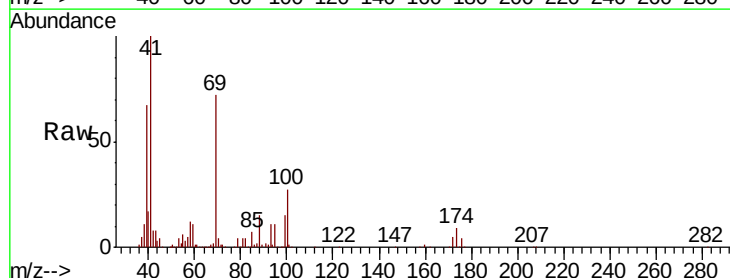
Tgt Ion: 41 Resp: 102059

Ion Ratio Lower Upper

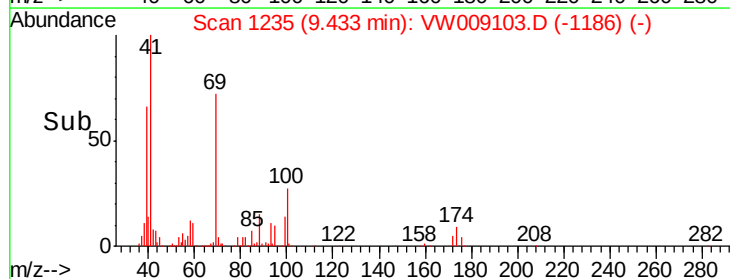
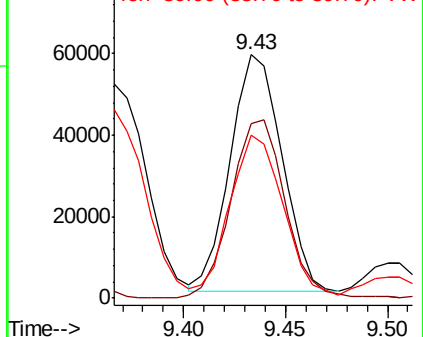
41 100

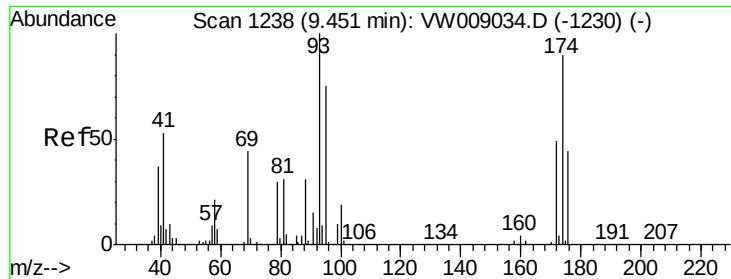
69 79.1 59.1 88.7

39 68.6 48.9 73.3



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





#49

1,4-Dioxane

Concen: 1189.114 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.01 min

Lab File: VW009103.D

Acq: 11 Mar 2019 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

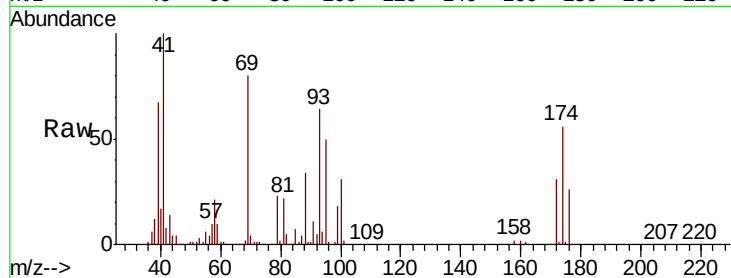
Tgt Ion: 88 Resp: 28838

Ion Ratio Lower Upper

88 100

43 39.2 29.0 43.4

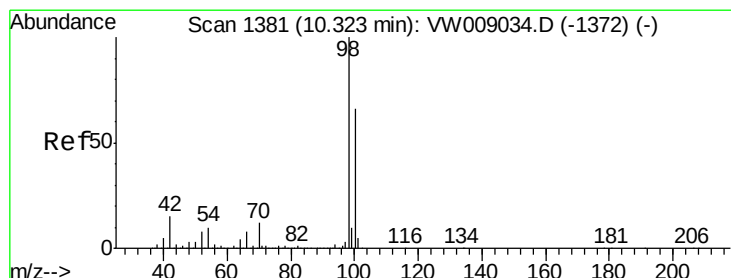
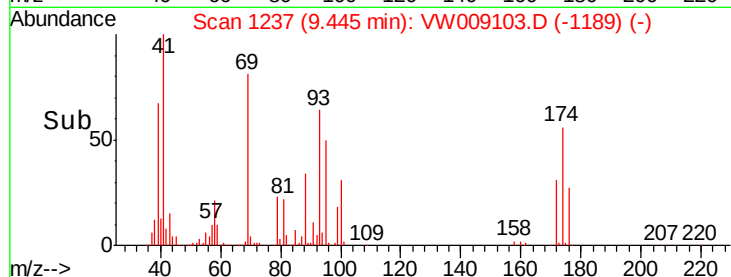
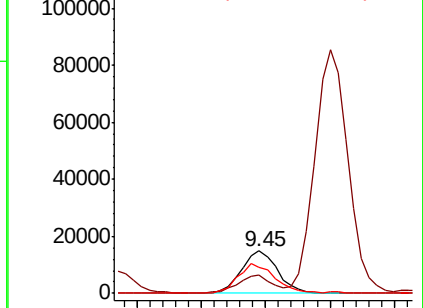
58 71.2 59.2 88.8



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: 56.822 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009103.D

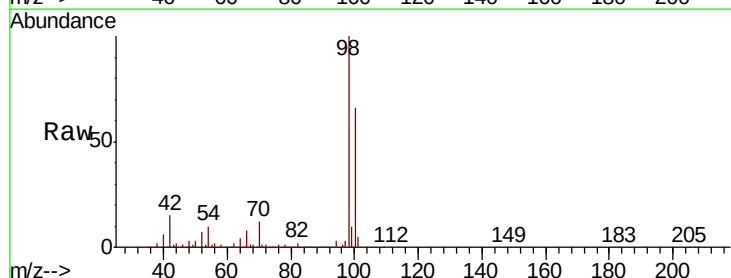
Acq: 11 Mar 2019 23:55

Tgt Ion: 98 Resp: 623295

Ion Ratio Lower Upper

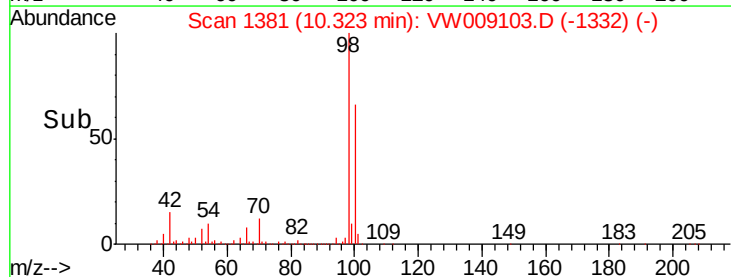
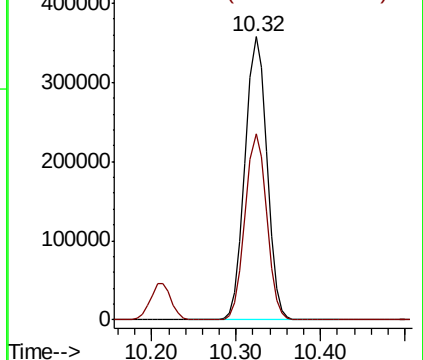
98 100

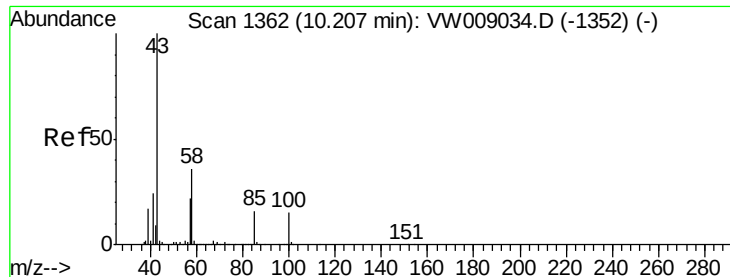
100 64.8 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

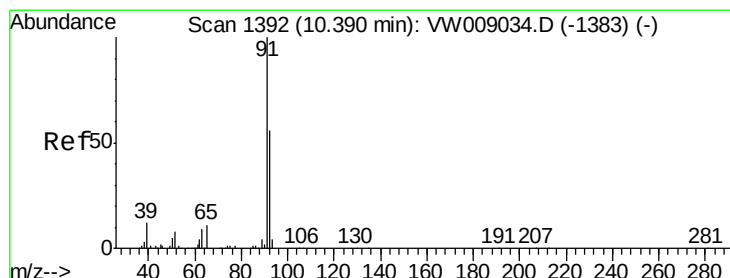
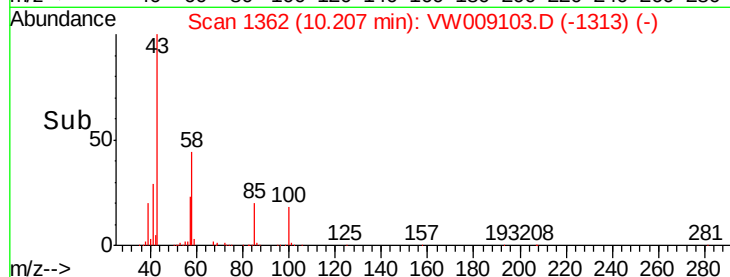
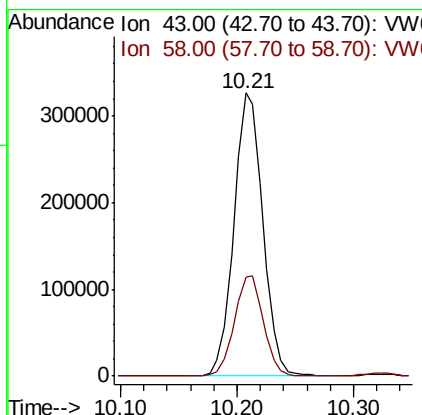
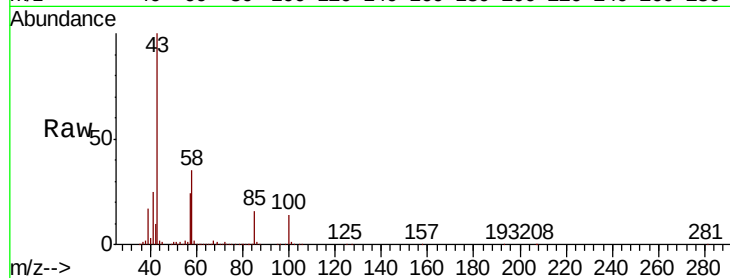




#51
 4-Methyl-2-Pentanone
 Concen: 273.707 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW009103.D
 Acq: 11 Mar 2019 23:55

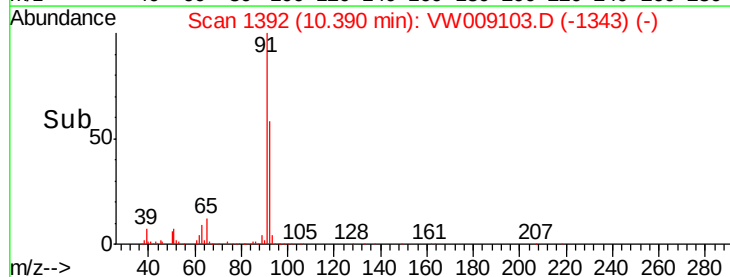
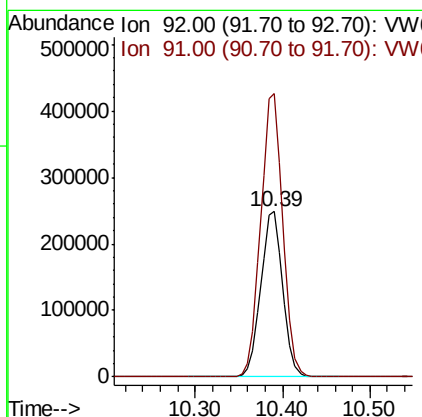
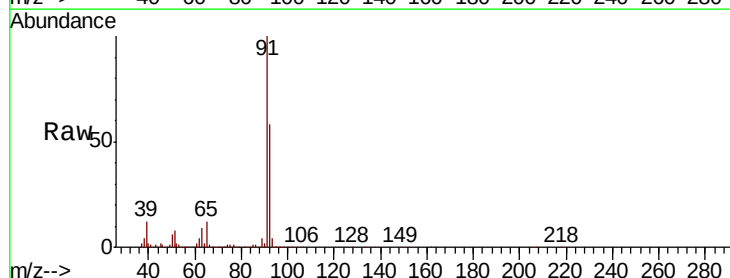
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

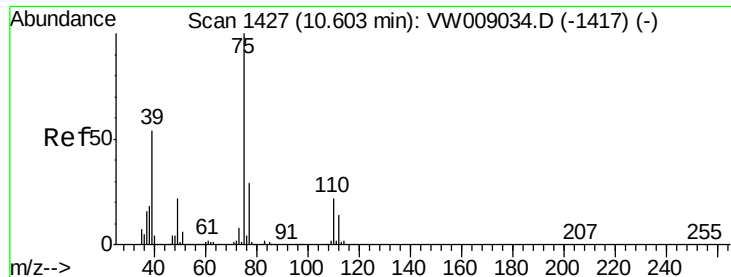
Tgt Ion: 43 Resp: 563814
 Ion Ratio Lower Upper
 43 100
 58 35.5 28.8 43.2



#52
 Toluene
 Concen: 51.939 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW009103.D
 Acq: 11 Mar 2019 23:55

Tgt Ion: 92 Resp: 436127
 Ion Ratio Lower Upper
 92 100
 91 172.1 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 50.317 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009103.D

Acq: 11 Mar 2019 23:55

Instrument :

MSVOA_W

ClientSampled :

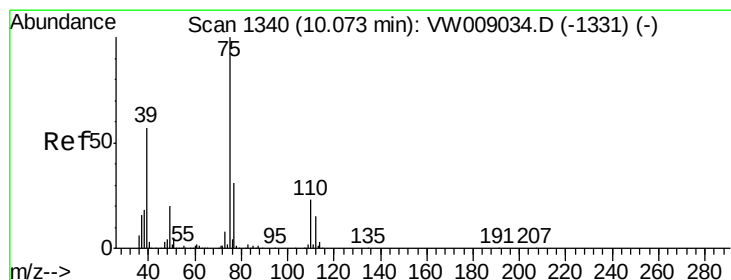
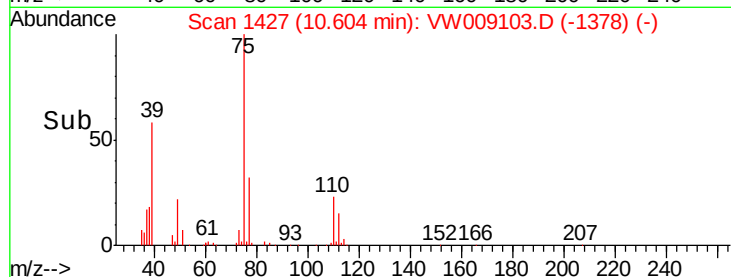
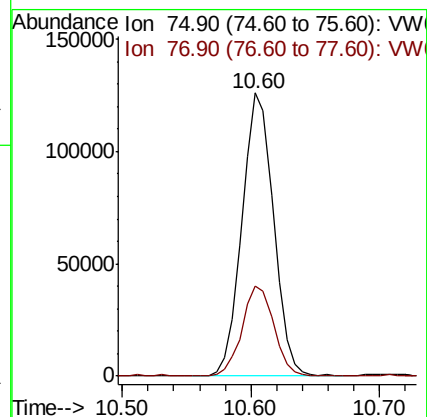
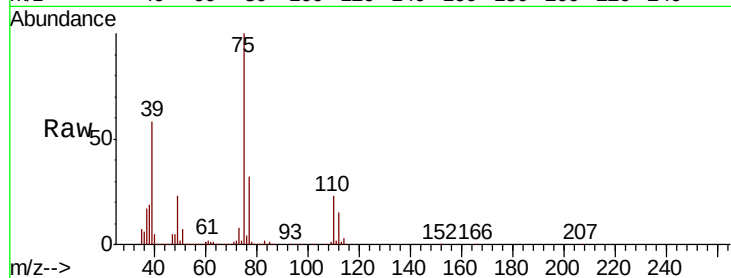
VSTDCCC050

Tgt Ion: 75 Resp: 213347

Ion Ratio Lower Upper

75 100

77 31.5 23.6 35.4



#54

cis-1,3-Dichloropropene

Concen: 48.961 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009103.D

Acq: 11 Mar 2019 23:55

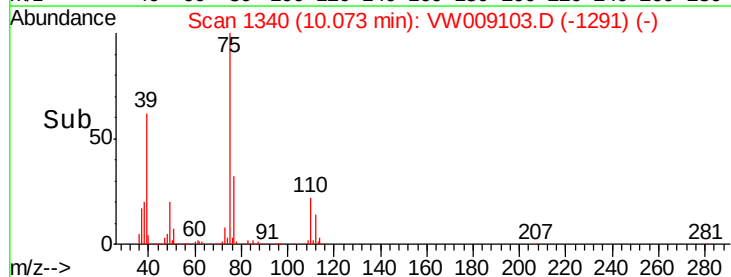
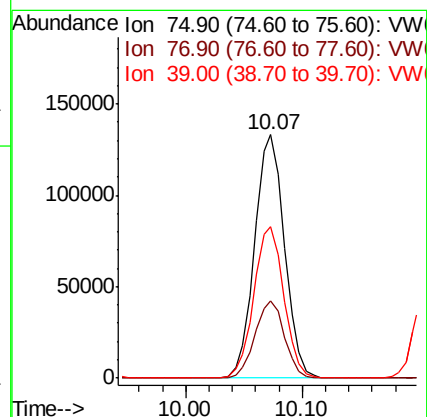
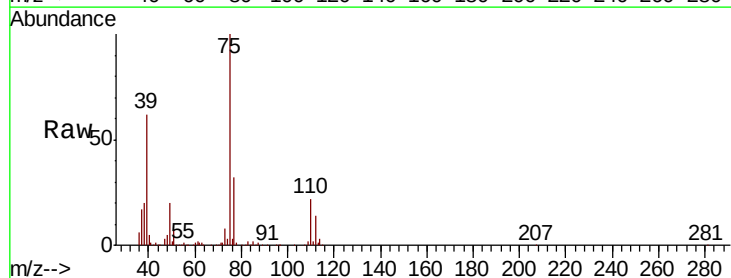
Tgt Ion: 75 Resp: 238562

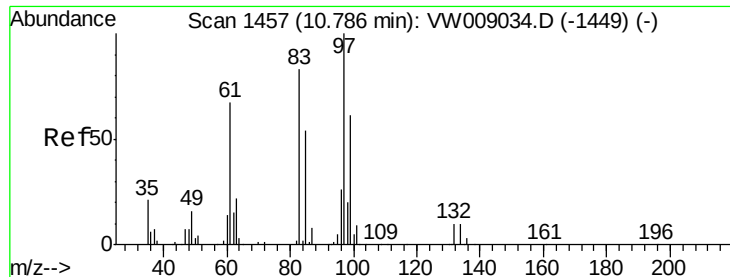
Ion Ratio Lower Upper

75 100

77 31.5 24.6 36.8

39 61.9 45.9 68.9

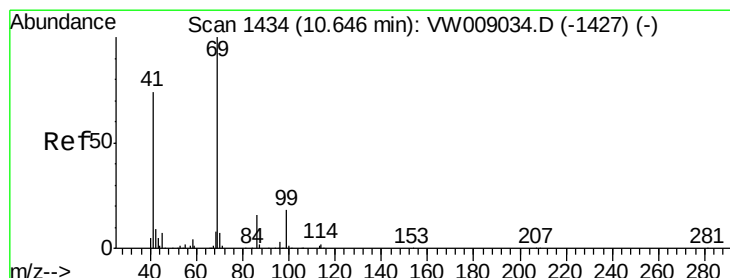
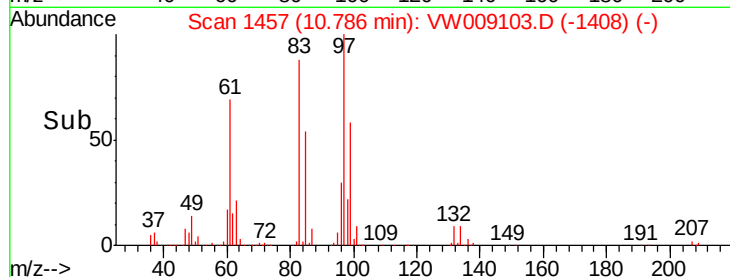
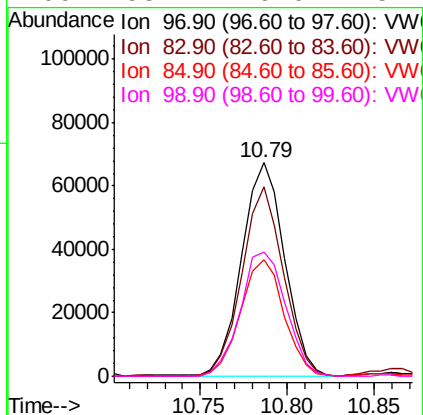
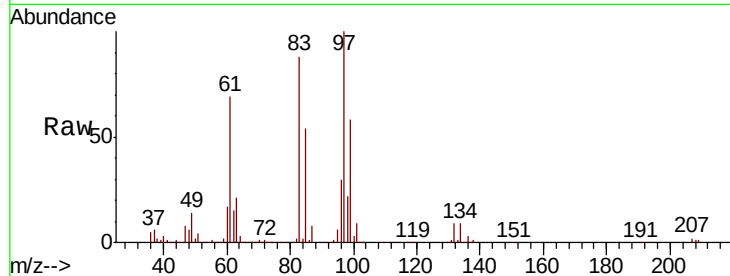




#55
 1,1,2-Trichloroethane
 Concen: 49.779 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW009103.D
 Acq: 11 Mar 2019 23:55

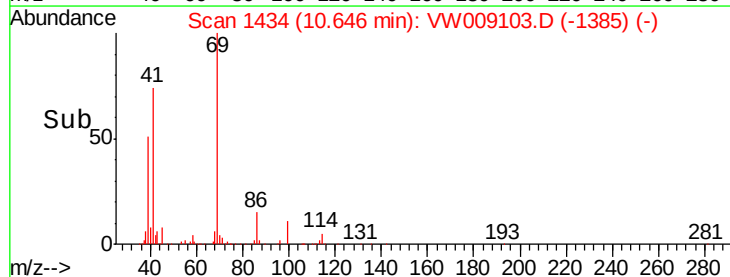
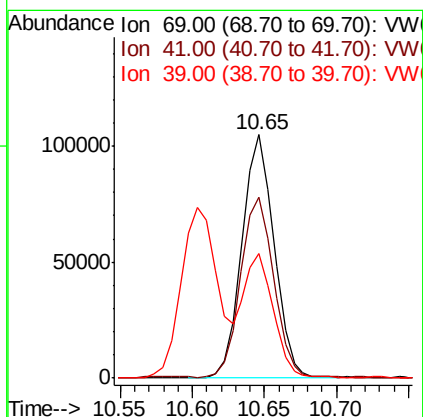
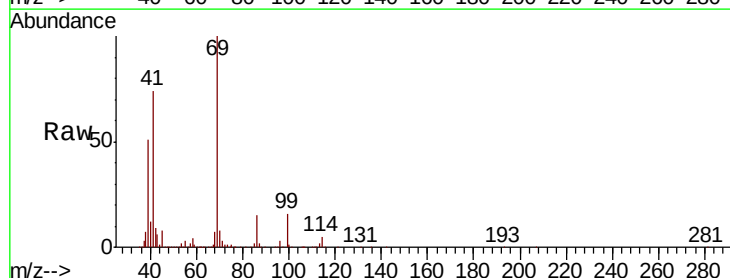
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

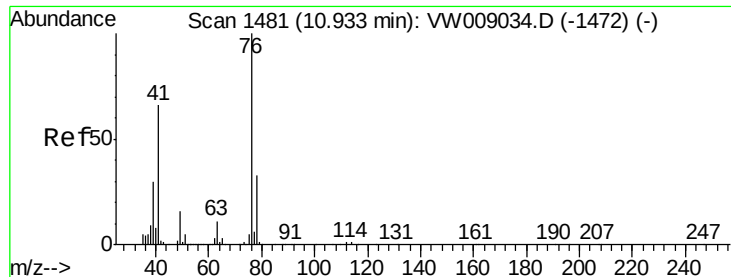
Tgt Ion:	97	Resp:	114265
Ion	Ratio	Lower	Upper
97	100		
83	88.5	66.2	99.2
85	54.5	43.6	65.4
99	58.1	49.0	73.4



#56
 Ethyl methacrylate
 Concen: 57.120 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW009103.D
 Acq: 11 Mar 2019 23:55

Tgt Ion:	69	Resp:	162725
Ion	Ratio	Lower	Upper
69	100		
41	76.3	59.4	89.2
39	47.9	38.5	57.7

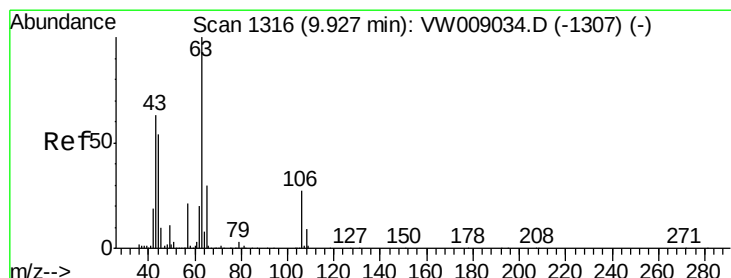
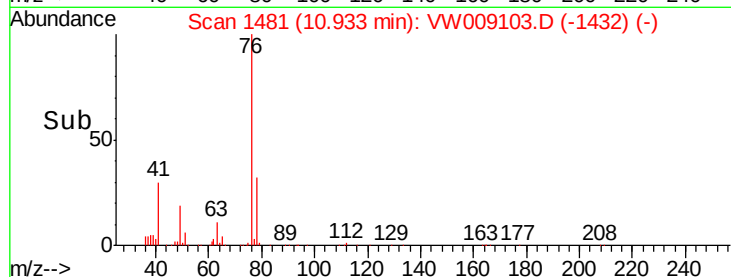
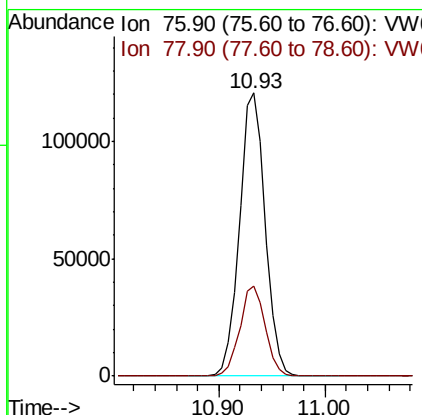
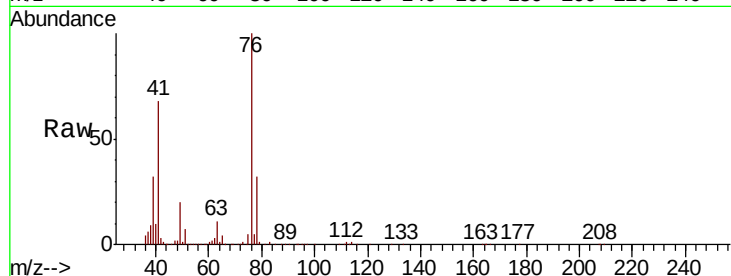




#57
 1,3-Dichloropropane
 Concen: 50.216 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW009103.D
 Acq: 11 Mar 2019 23:55

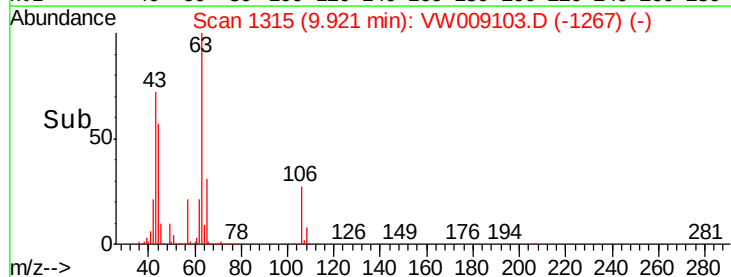
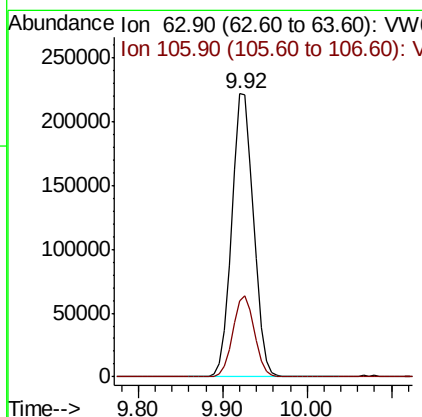
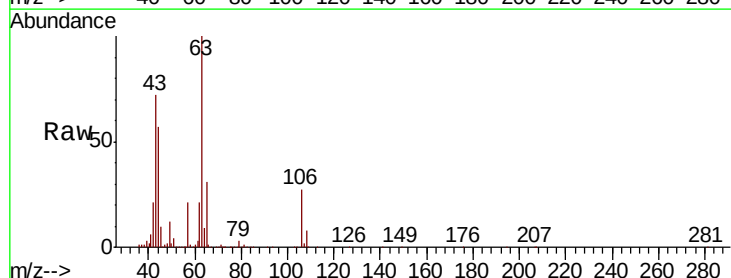
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

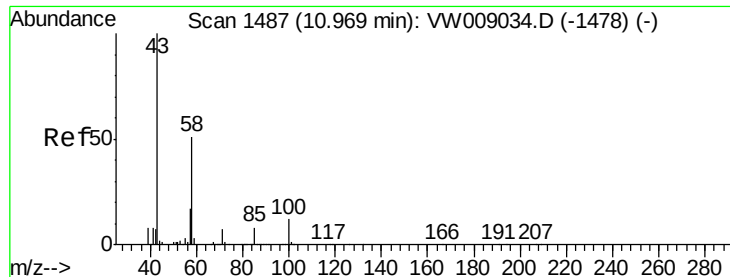
Tgt Ion: 76 Resp: 204199
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 263.036 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW009103.D
 Acq: 11 Mar 2019 23:55

Tgt Ion: 63 Resp: 388468
 Ion Ratio Lower Upper
 63 100
 106 28.3 23.0 34.6

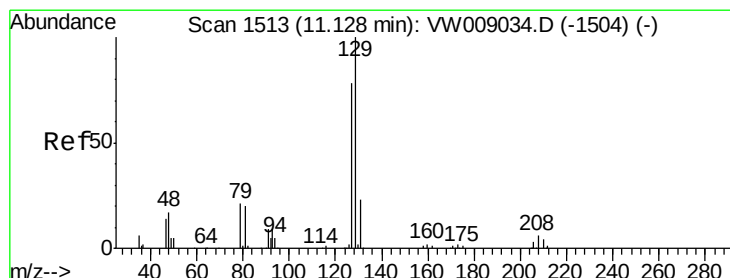
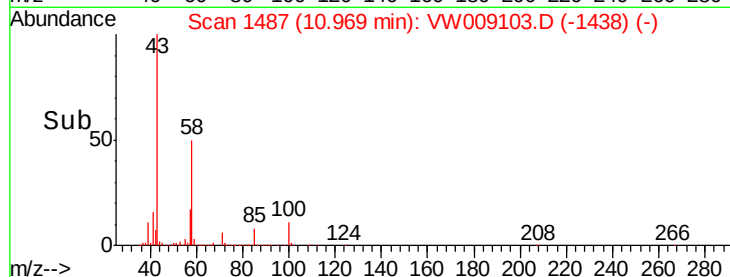
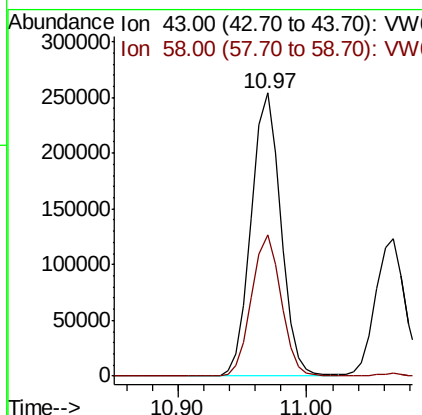
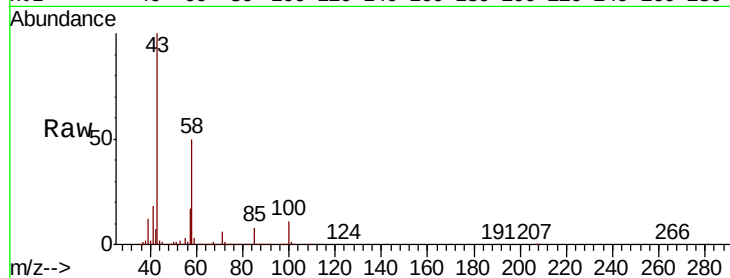




#59
2-Hexanone
Concen: 277.232 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009103.D
Acq: 11 Mar 2019 23:55

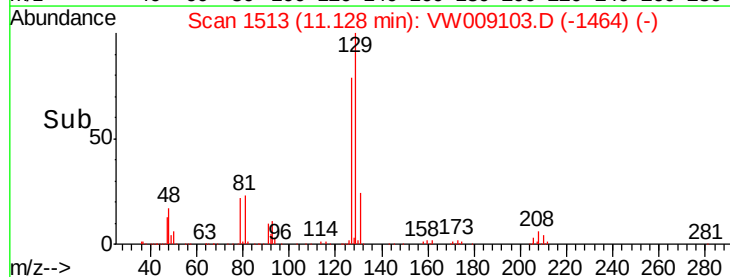
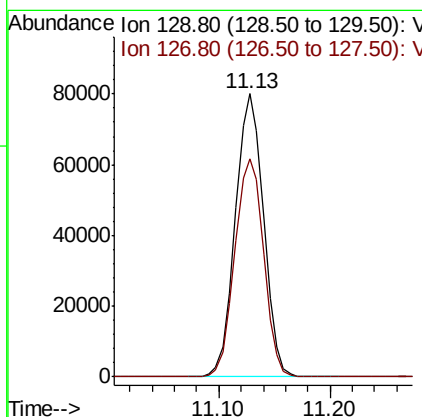
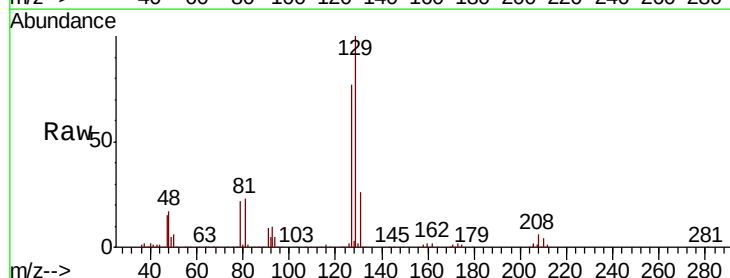
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

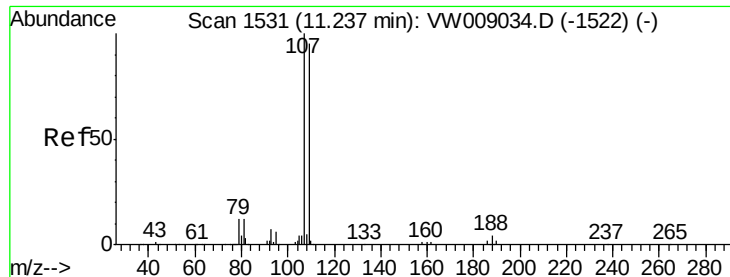
Tgt Ion: 43 Resp: 401514
Ion Ratio Lower Upper
43 100
58 50.2 25.3 75.9



#60
Dibromochloromethane
Concen: 49.433 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009103.D
Acq: 11 Mar 2019 23:55

Tgt Ion: 129 Resp: 140426
Ion Ratio Lower Upper
129 100
127 78.7 38.4 115.1

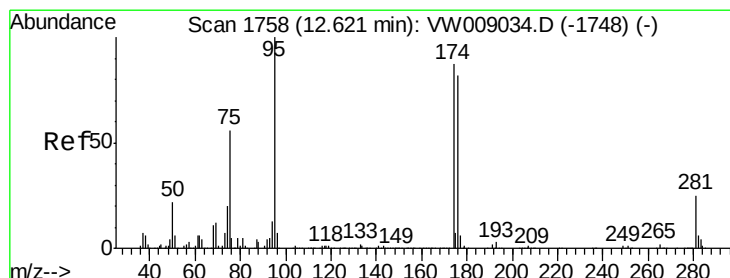
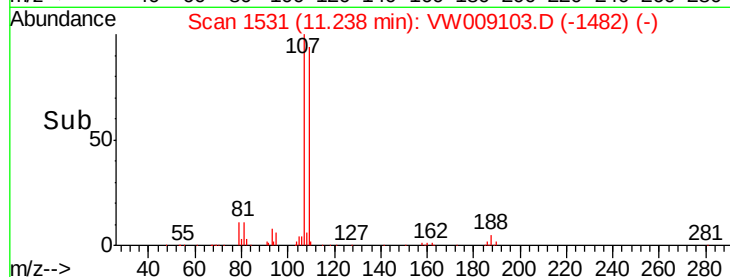
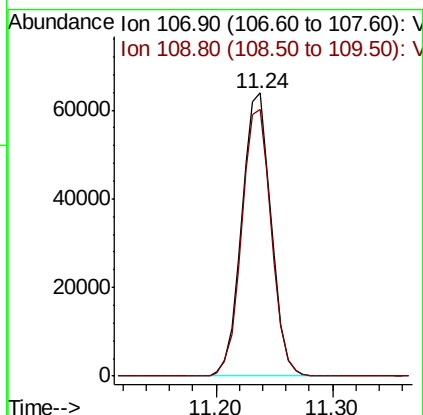
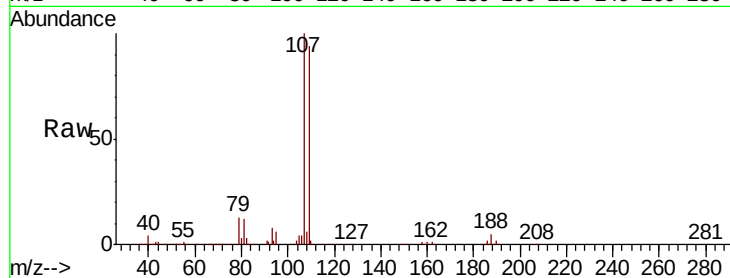




#61
 1,2-Dibromoethane
 Concen: 49.912 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW009103.D
 Acq: 11 Mar 2019 23:55

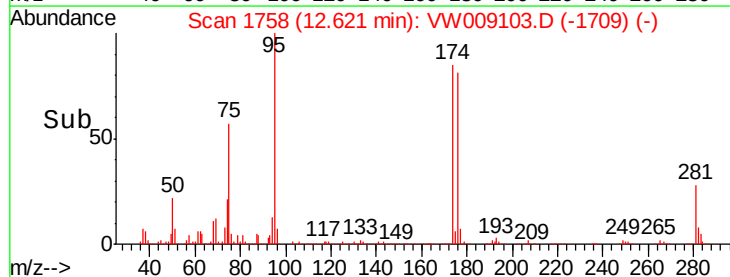
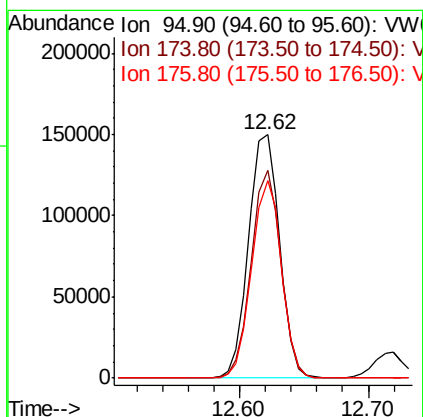
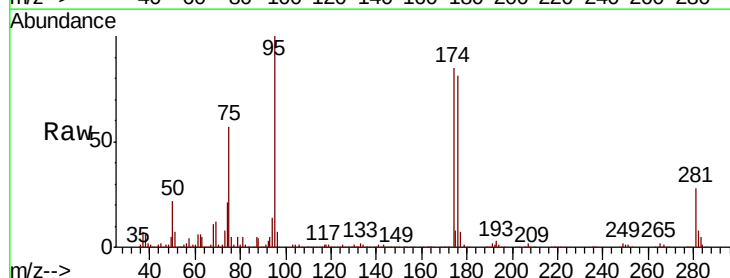
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

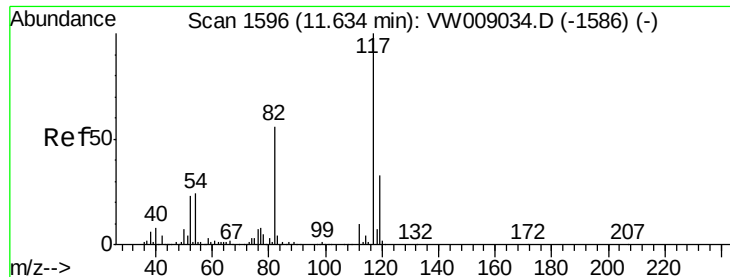
Tgt Ion: 107 Resp: 112317
 Ion Ratio Lower Upper
 107 100
 109 95.4 74.7 112.1



#62
 4-Bromofluorobenzene
 Concen: 57.272 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW009103.D
 Acq: 11 Mar 2019 23:55

Tgt Ion: 95 Resp: 247312
 Ion Ratio Lower Upper
 95 100
 174 82.0 0.0 167.0
 176 78.5 0.0 159.4

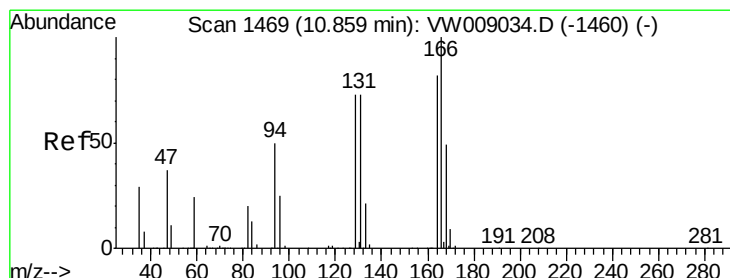
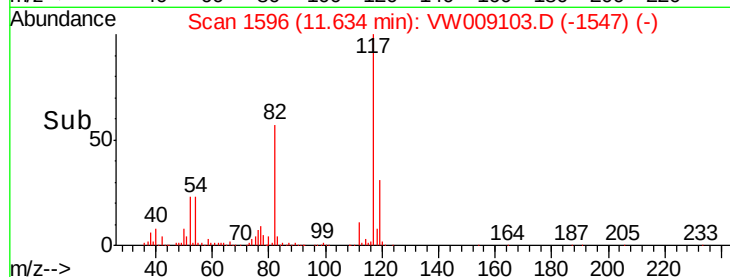
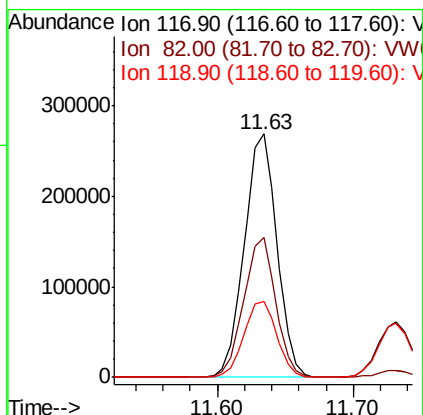
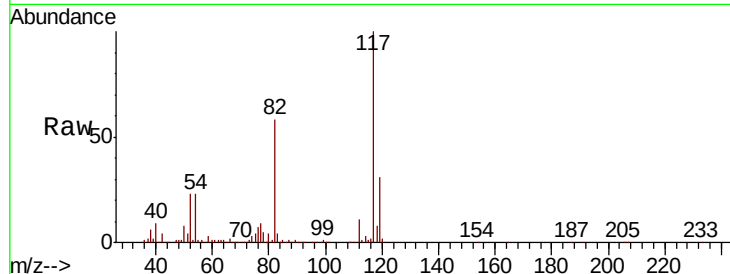




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009103.D
Acq: 11 Mar 2019 23:55

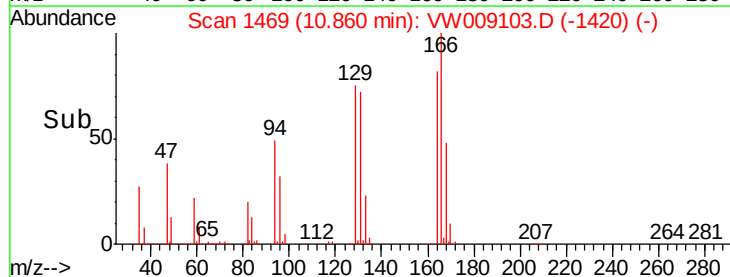
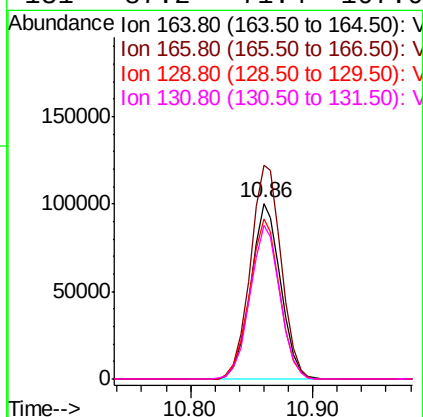
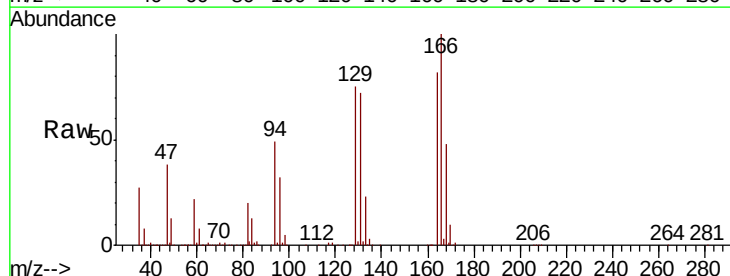
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

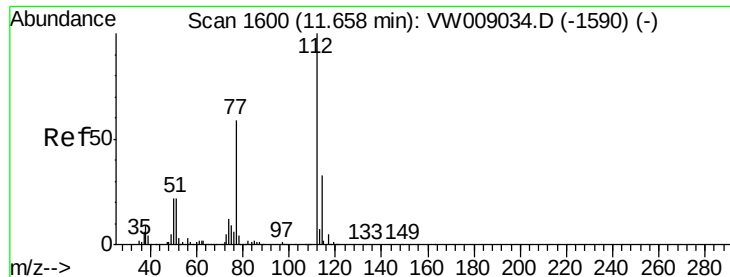
Tgt Ion:117 Resp: 450586
Ion Ratio Lower Upper
117 100
82 57.5 45.0 67.6
119 31.2 26.6 39.8



#64
Tetrachloroethene
Concen: 52.439 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009103.D
Acq: 11 Mar 2019 23:55

Tgt Ion:164 Resp: 170395
Ion Ratio Lower Upper
164 100
166 121.7 97.8 146.6
129 90.9 71.6 107.4
131 87.2 71.4 107.0





#65

Chlorobenzene

Concen: 49.442 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW009103.D

Acq: 11 Mar 2019 23:55

Instrument :

MSVOA_W

ClientSampleId :

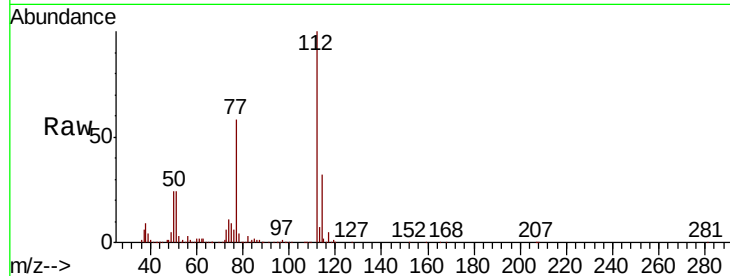
VSTDCCC050

Tgt Ion:112 Resp: 484905

Ion Ratio Lower Upper

112 100

114 31.6 26.6 40.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

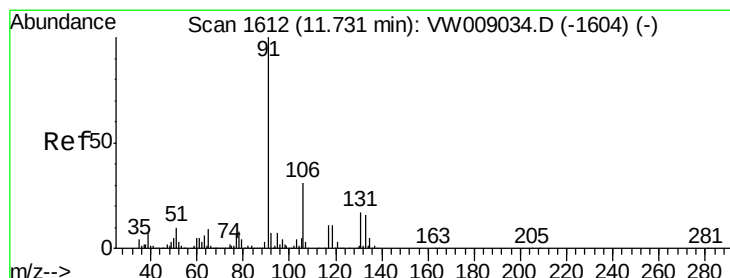
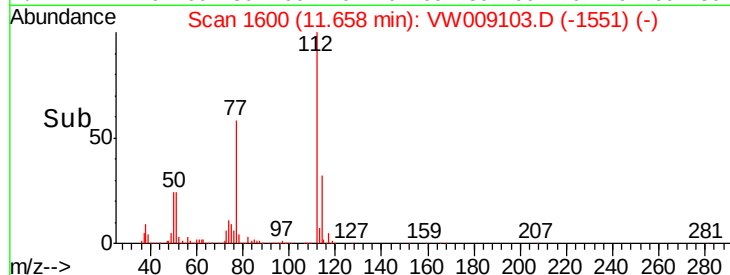
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 47.583 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009103.D

Acq: 11 Mar 2019 23:55

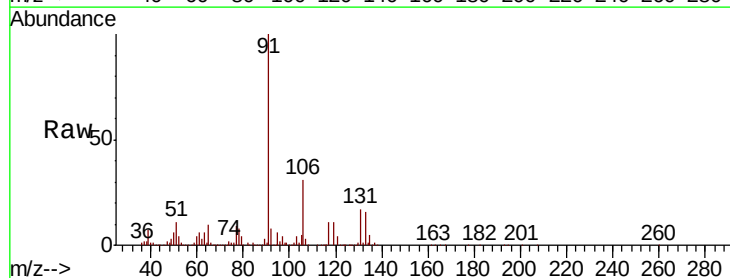
Tgt Ion:131 Resp: 155822

Ion Ratio Lower Upper

131 100

133 97.2 47.6 142.8

119 64.6 31.3 93.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.73

120000

100000

80000

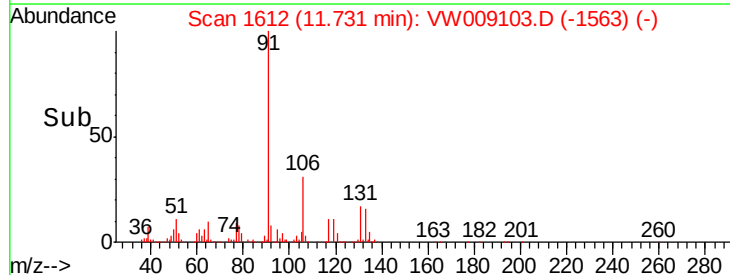
60000

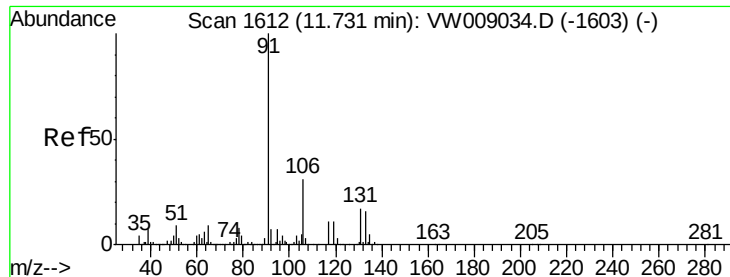
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 49.685 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009103.D

Acq: 11 Mar 2019 23:55

Instrument :

MSVOA_W

ClientSampleId :

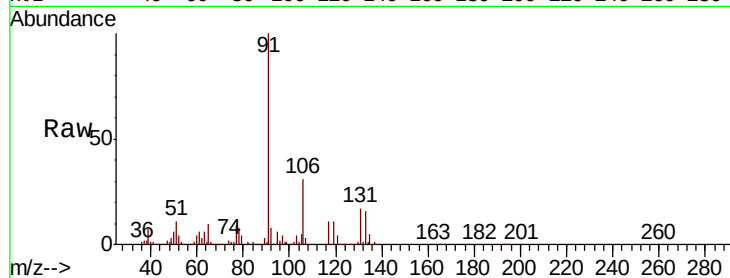
VSTDCCC050

Tgt Ion: 91 Resp: 880306

Ion Ratio Lower Upper

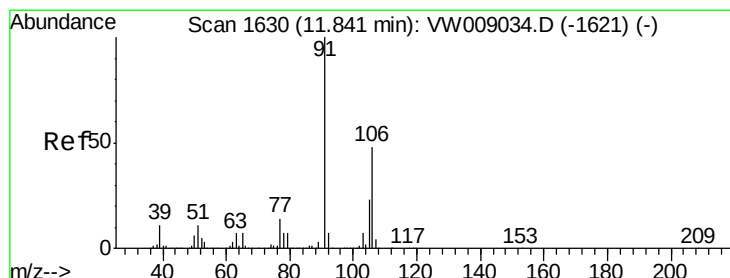
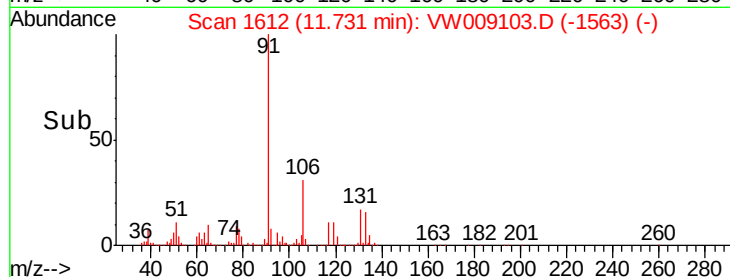
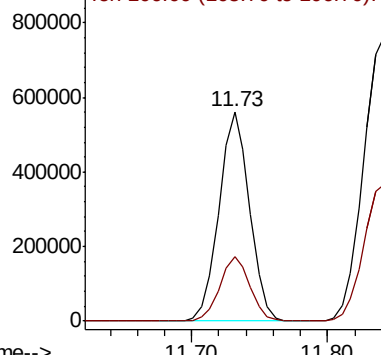
91 100

106 30.6 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 98.793 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW009103.D

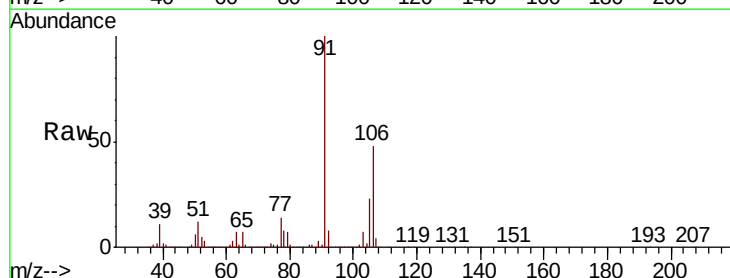
Acq: 11 Mar 2019 23:55

Tgt Ion: 106 Resp: 690908

Ion Ratio Lower Upper

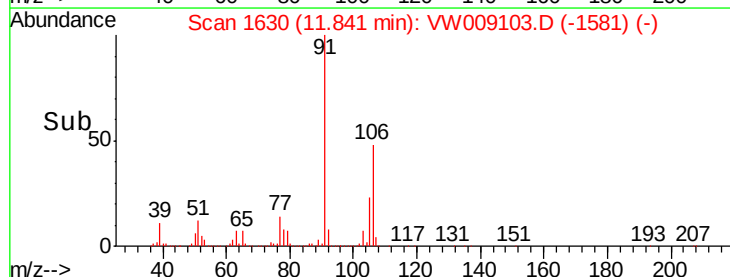
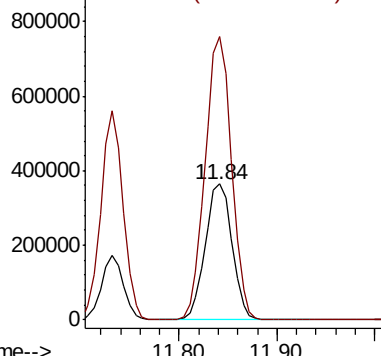
106 100

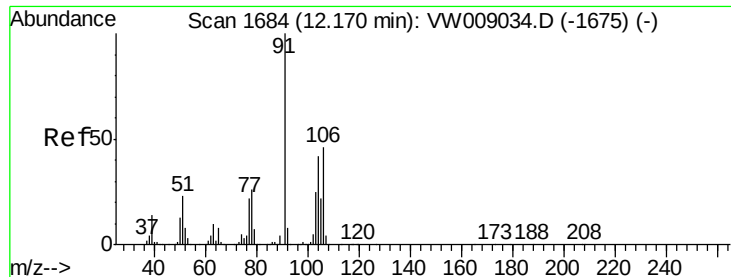
91 206.1 163.2 244.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

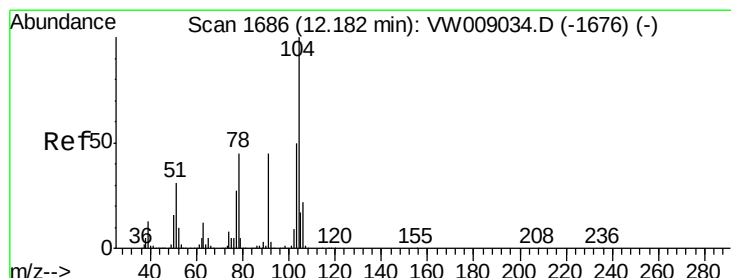
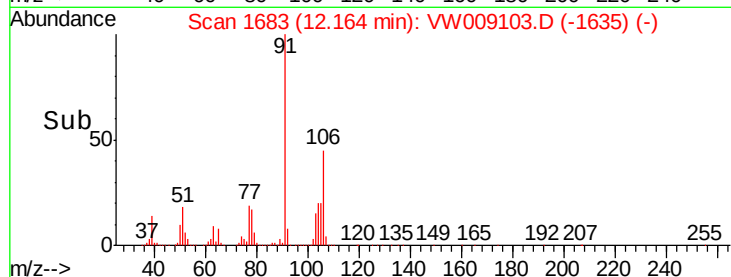
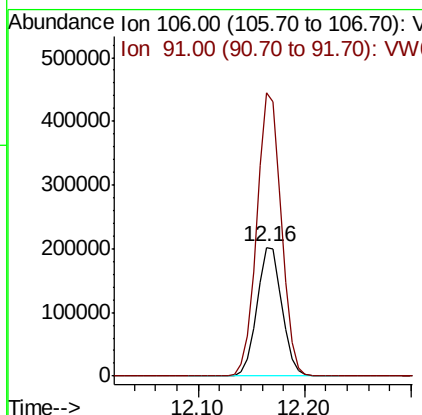
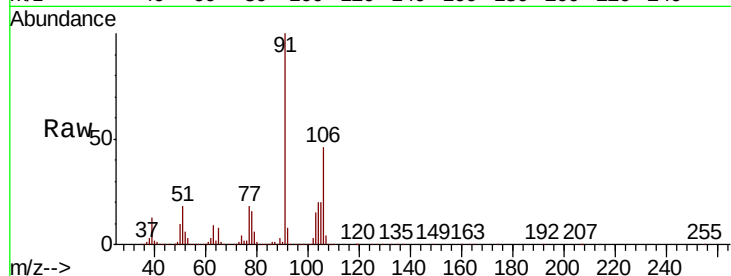




#69
o-Xylene
Concen: 50.956 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009103.D
Acq: 11 Mar 2019 23:55

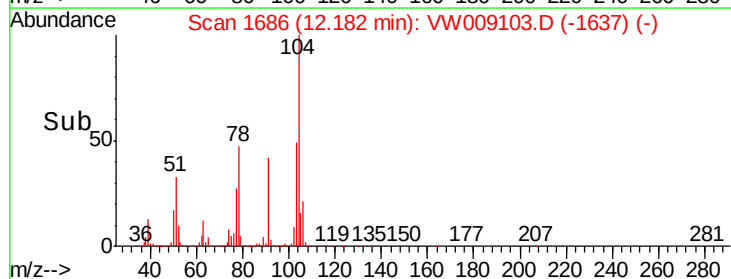
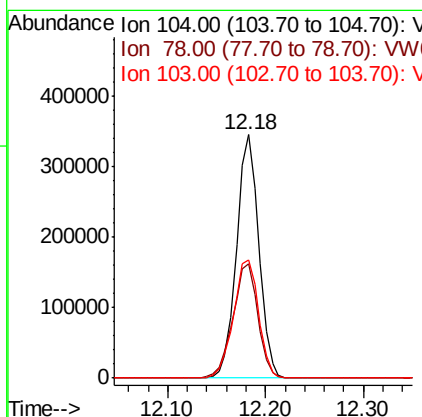
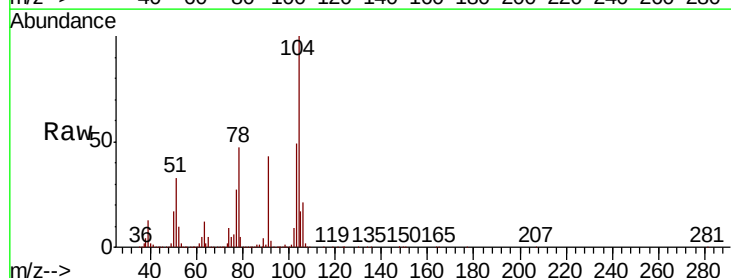
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

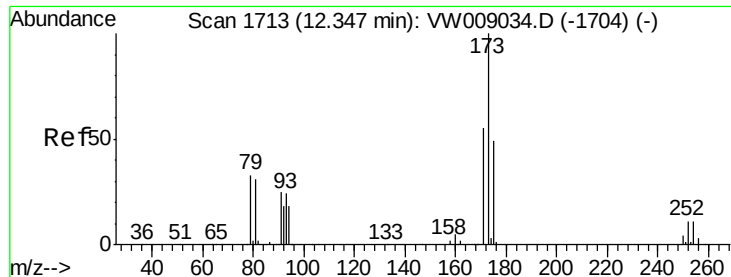
Tgt Ion:106 Resp: 331574
Ion Ratio Lower Upper
106 100
91 217.0 108.6 325.6



#70
Styrene
Concen: 51.928 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009103.D
Acq: 11 Mar 2019 23:55

Tgt Ion:104 Resp: 546709
Ion Ratio Lower Upper
104 100
78 52.7 42.1 63.1
103 54.7 43.9 65.9





#71

Bromoform

Concen: 49.418 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW009103.D

Acq: 11 Mar 2019 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

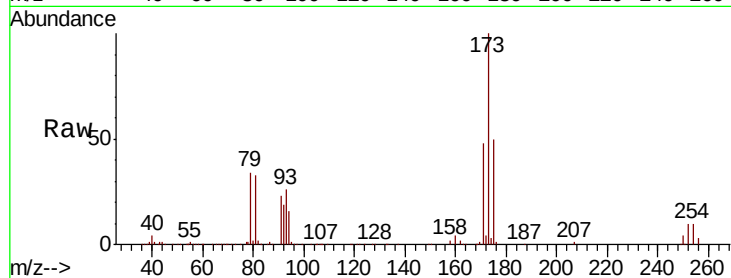
Tgt Ion:173 Resp: 86893

Ion Ratio Lower Upper

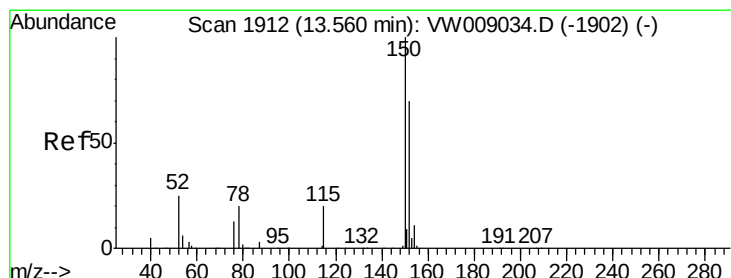
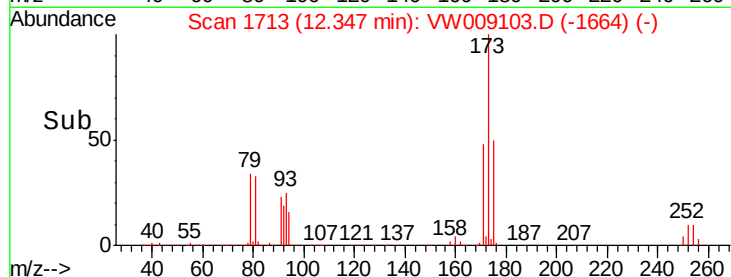
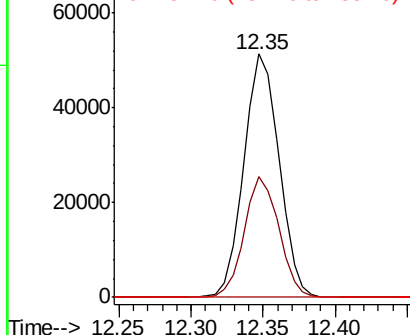
173 100

175 48.6 24.6 74.0

254 0.1 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009103.D

Acq: 11 Mar 2019 23:55

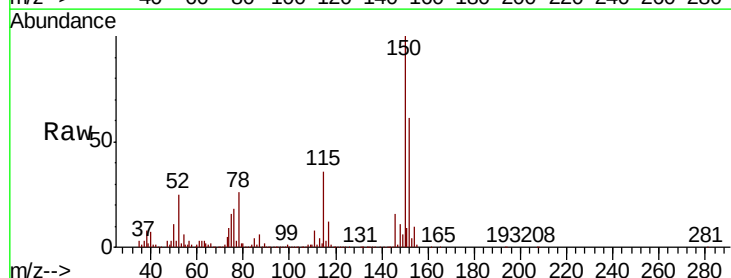
Tgt Ion:152 Resp: 254110

Ion Ratio Lower Upper

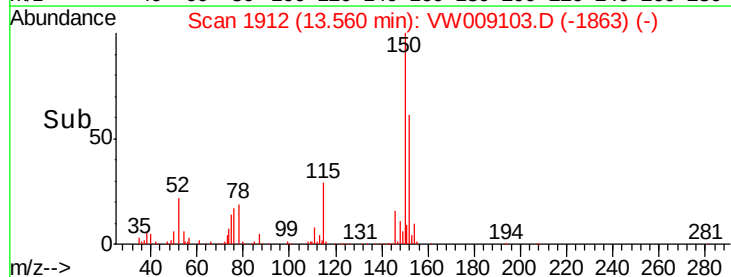
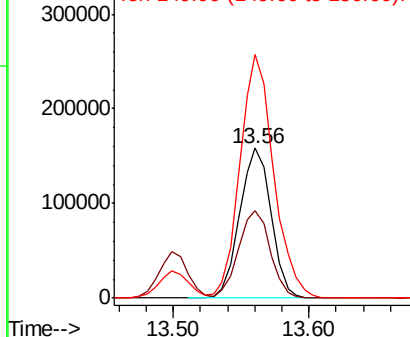
152 100

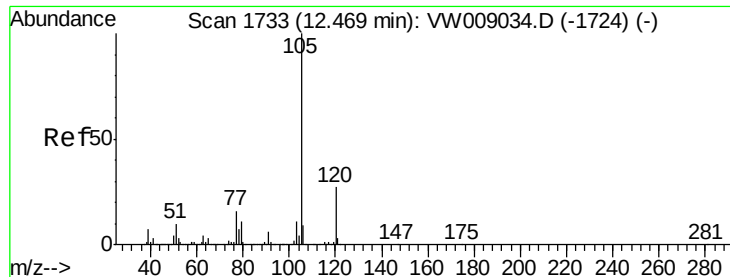
115 58.9 28.9 86.7

150 175.3 0.0 349.2



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: 49.813 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW009103.D

Acq: 11 Mar 2019 23:55

Instrument :

MSVOA_W

ClientSampleId :

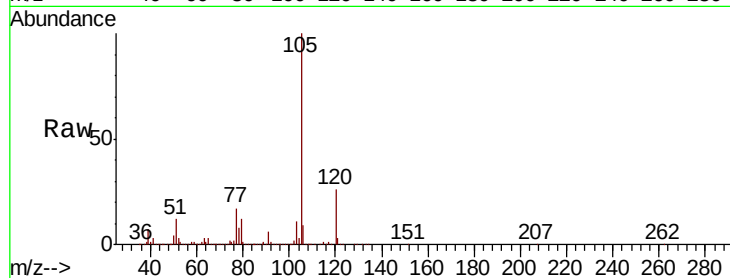
VSTDCCC050

Tgt Ion: 105 Resp: 906450

Ion Ratio Lower Upper

105 100

120 26.2 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

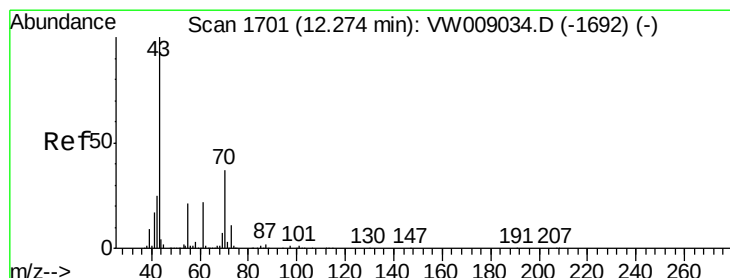
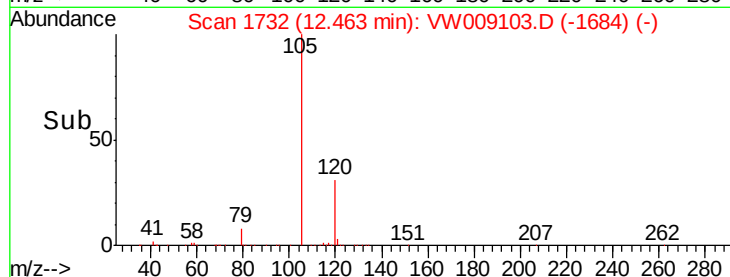
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 56.749 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009103.D

Acq: 11 Mar 2019 23:55

Tgt Ion: 43 Resp: 244465

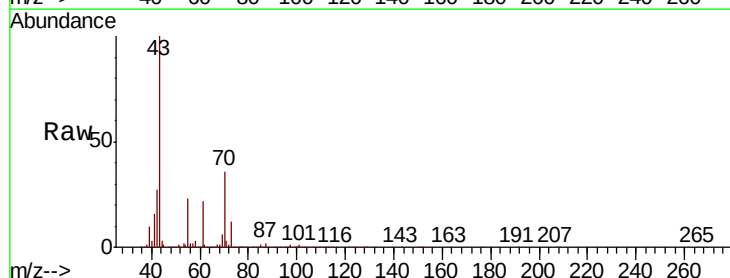
Ion Ratio Lower Upper

43 100

70 37.3 30.8 46.2

55 22.3 17.8 26.8

61 21.7 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

250000

200000

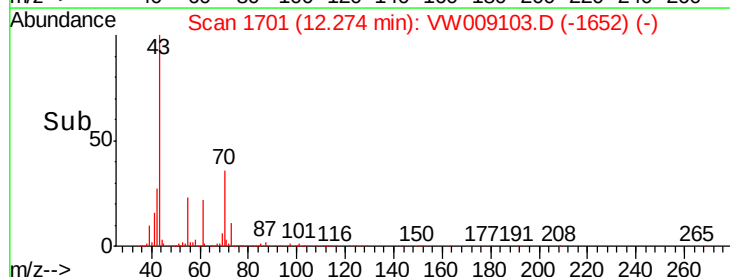
150000

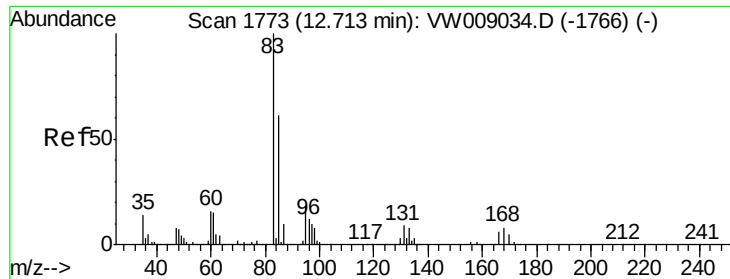
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.637 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009103.D

Acq: 11 Mar 2019 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

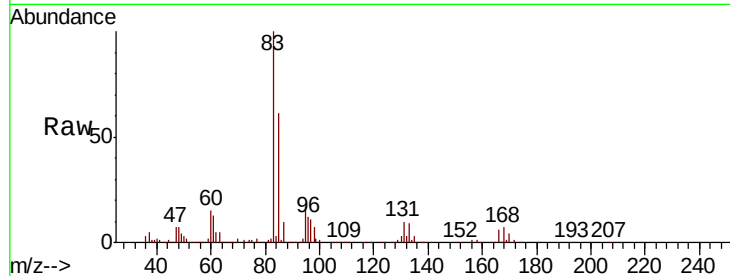
Tgt Ion: 83 Resp: 142481

Ion Ratio Lower Upper

83 100

131 10.8 5.5 16.7

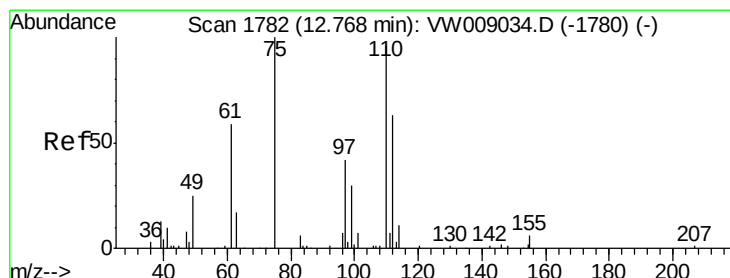
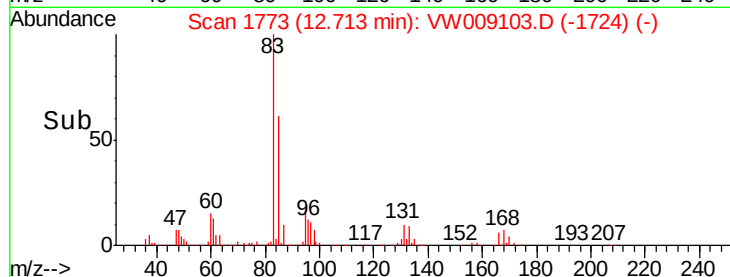
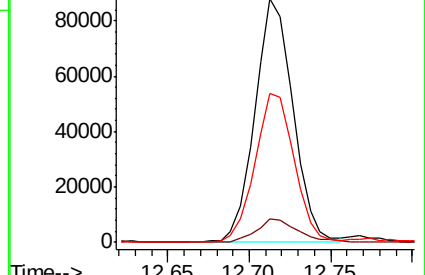
85 62.8 31.7 95.1



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: 98.830 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009103.D

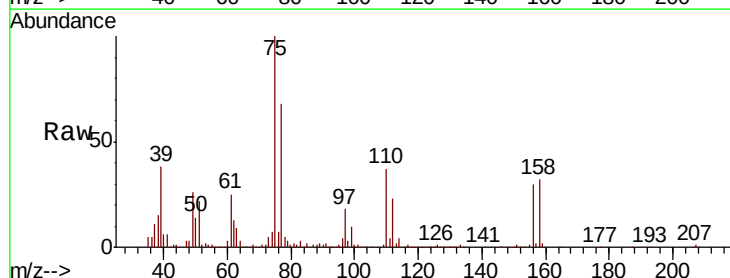
Acq: 11 Mar 2019 23:55

Tgt Ion: 75 Resp: 198419

Ion Ratio Lower Upper

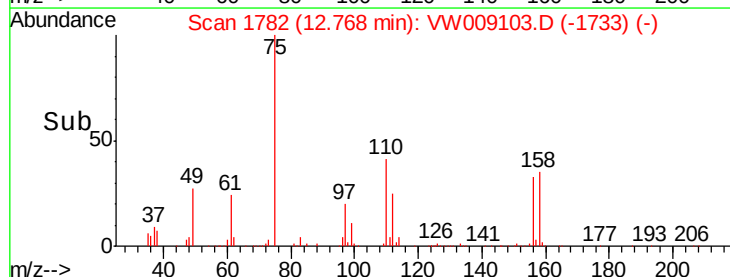
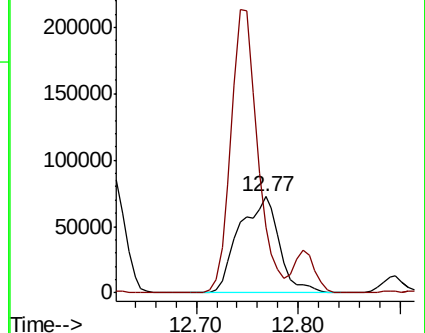
75 100

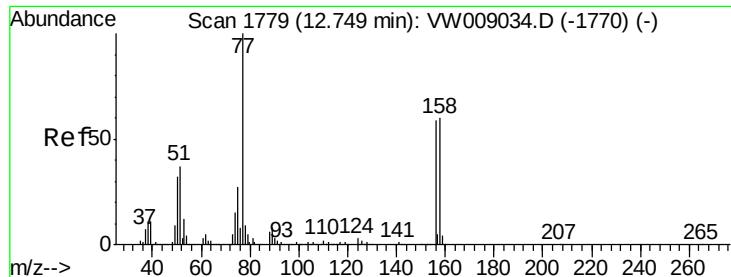
77 0.0 186.7 560.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 48.863 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW009103.D

Acq: 11 Mar 2019 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

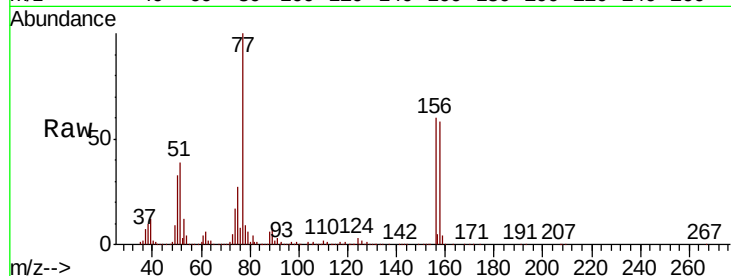
Tgt Ion:156 Resp: 203162

Ion Ratio Lower Upper

156 100

77 190.4 93.0 279.2

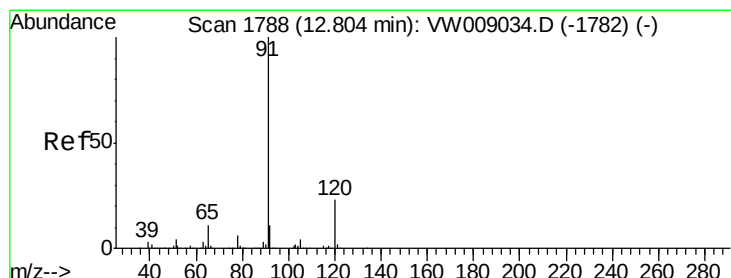
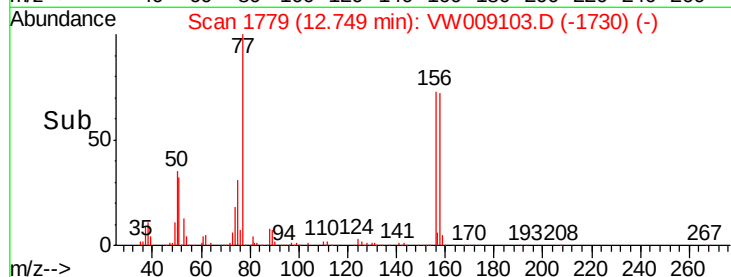
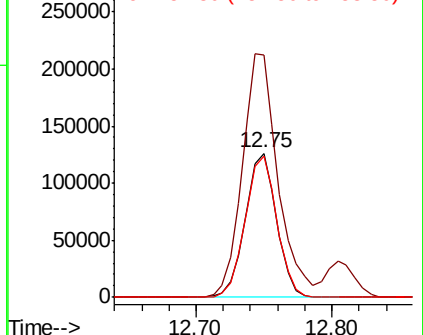
158 99.4 50.0 149.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.102 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW009103.D

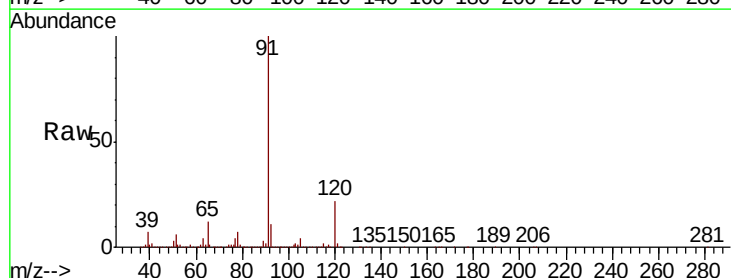
Acq: 11 Mar 2019 23:55

Tgt Ion: 91 Resp: 1123007

Ion Ratio Lower Upper

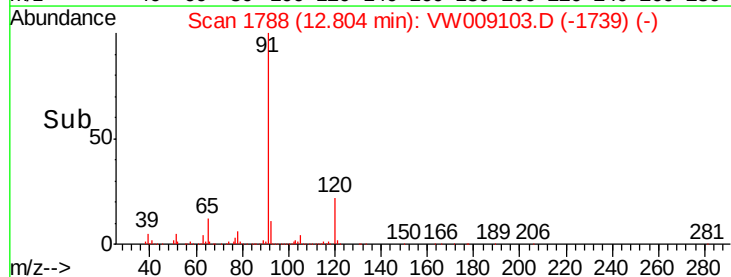
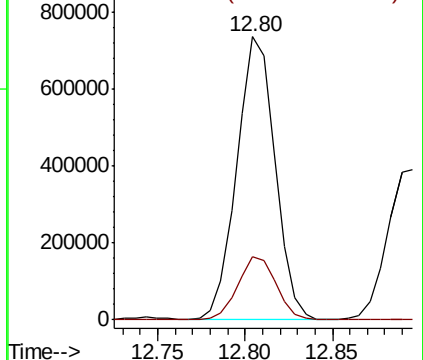
91 100

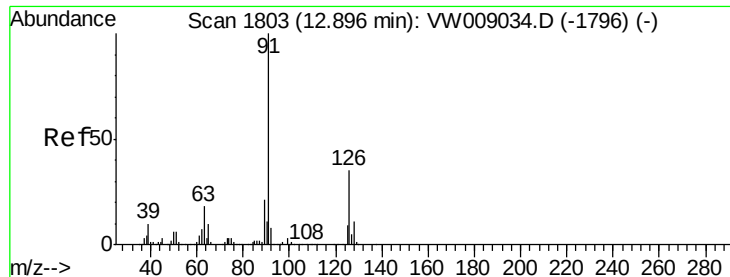
120 22.4 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.604 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW009103.D

Acq: 11 Mar 2019 23:55

Instrument :

MSVOA_W

ClientSampleId :

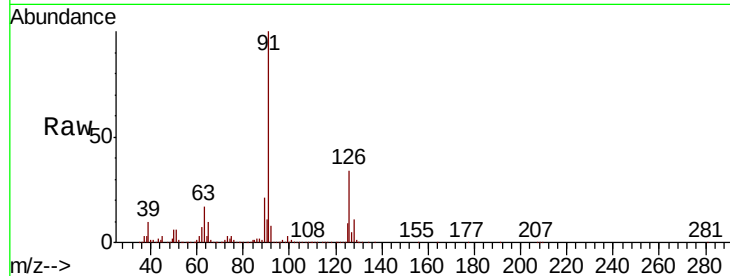
VSTDCCC050

Tgt Ion: 91 Resp: 637278

Ion Ratio Lower Upper

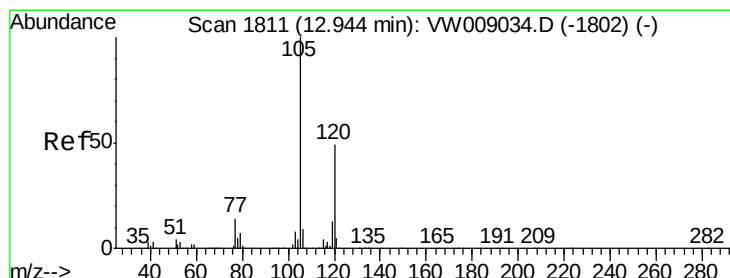
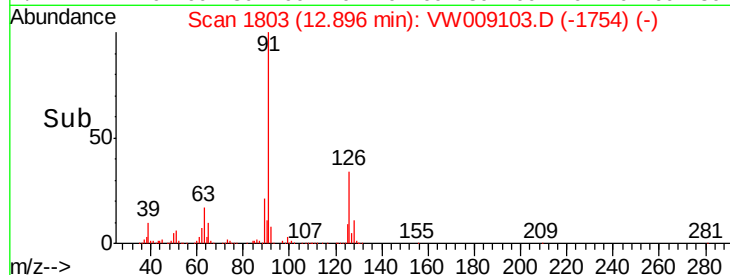
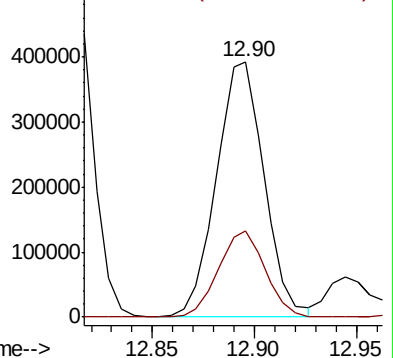
91 100

126 33.3 16.8 50.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 50.976 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009103.D

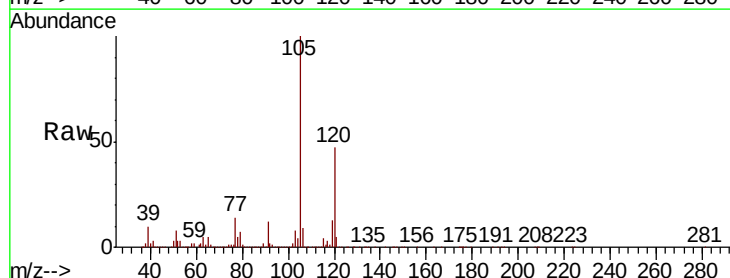
Acq: 11 Mar 2019 23:55

Tgt Ion: 105 Resp: 799588

Ion Ratio Lower Upper

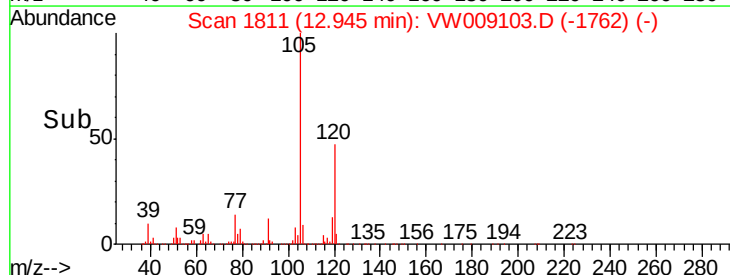
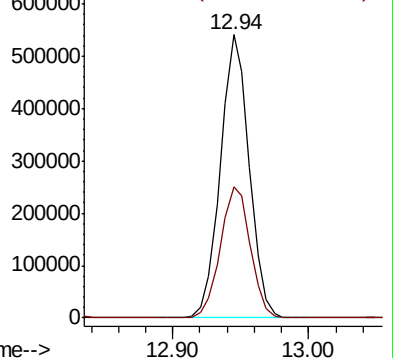
105 100

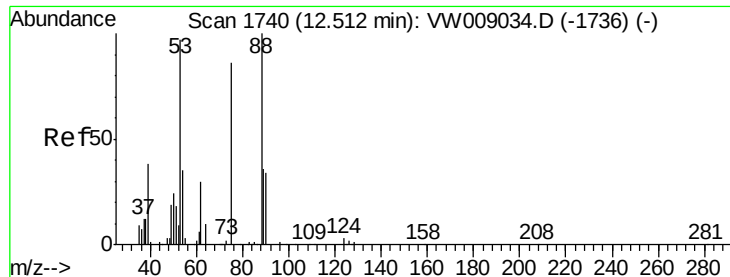
120 48.3 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 48.796 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW009103.D

Acq: 11 Mar 2019 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

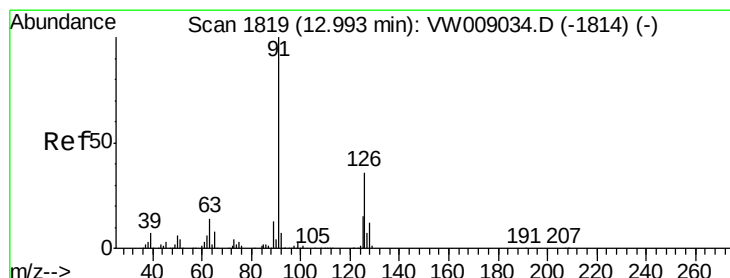
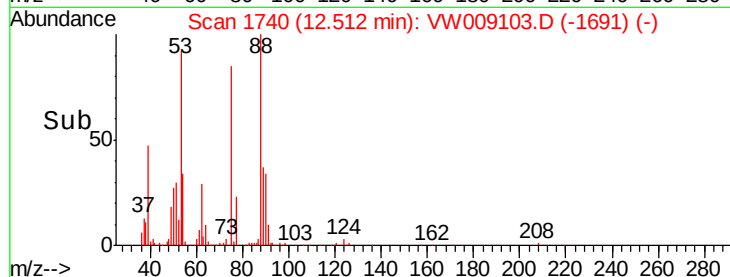
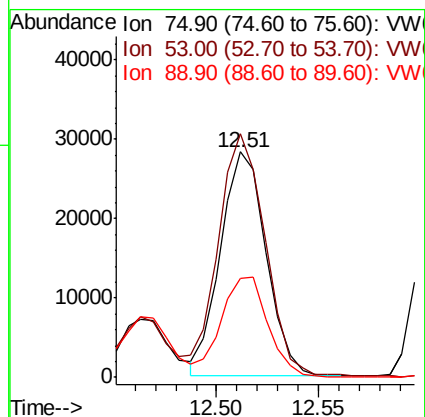
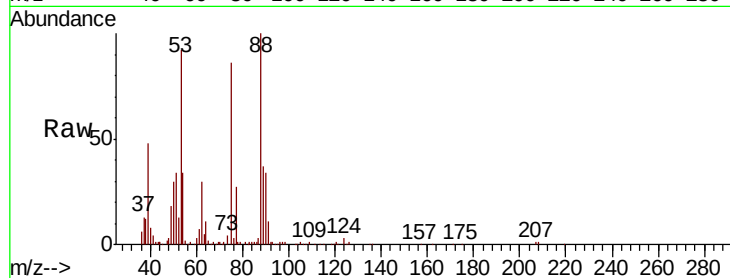
Tgt Ion: 75 Resp: 43799

Ion Ratio Lower Upper

75 100

53 114.3 90.5 135.7

89 46.1 37.5 56.3



#82

4-Chlorotoluene

Concen: 51.028 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW009103.D

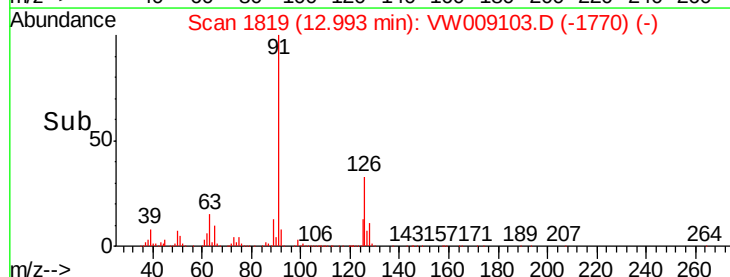
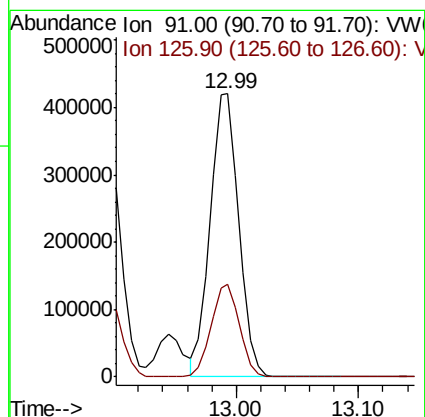
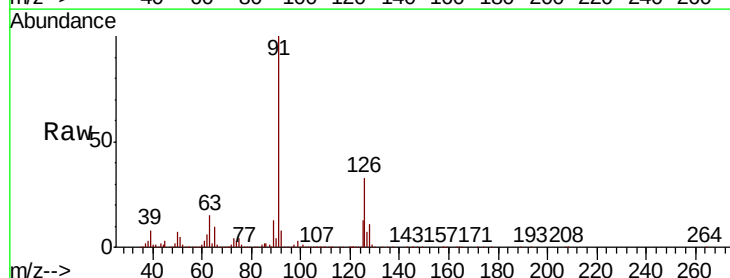
Acq: 11 Mar 2019 23:55

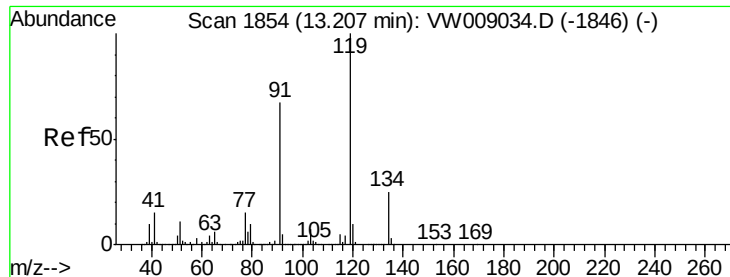
Tgt Ion: 91 Resp: 685004

Ion Ratio Lower Upper

91 100

126 32.6 16.6 49.8





#83

tert-Butylbenzene

Concen: 52.954 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW009103.D

Acq: 11 Mar 2019 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

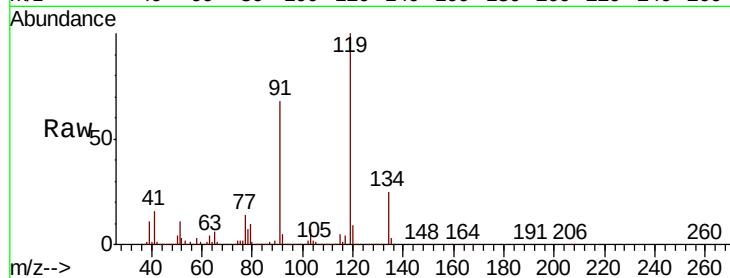
Tgt Ion:119 Resp: 700526

Ion Ratio Lower Upper

119 100

91 66.7 34.2 102.5

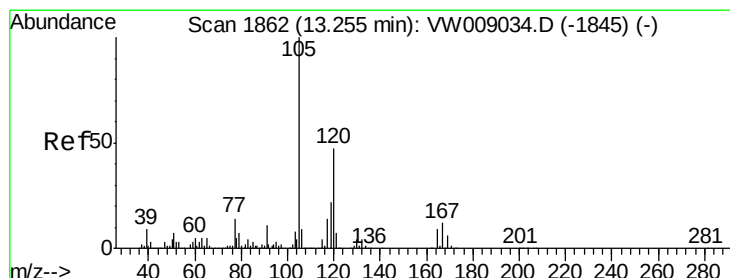
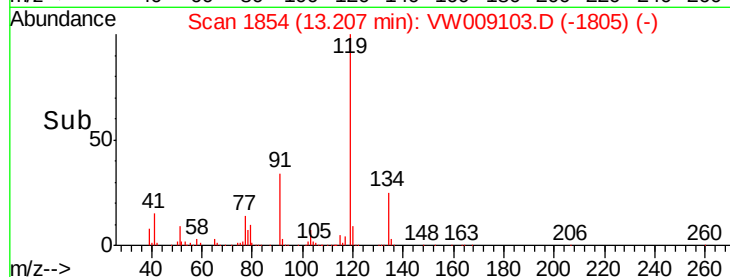
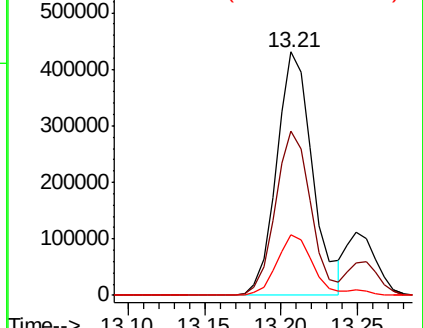
134 26.0 13.9 41.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.848 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW009103.D

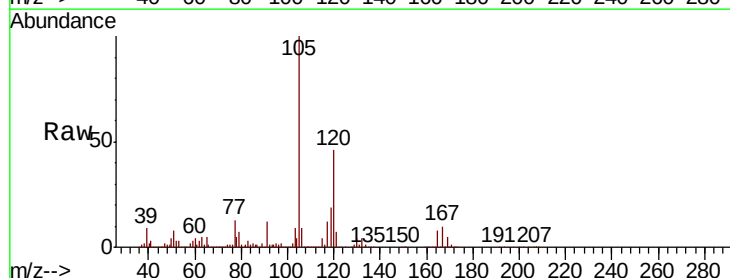
Acq: 11 Mar 2019 23:55

Tgt Ion:105 Resp: 822685

Ion Ratio Lower Upper

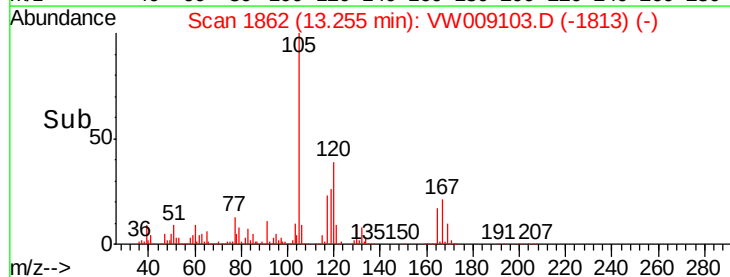
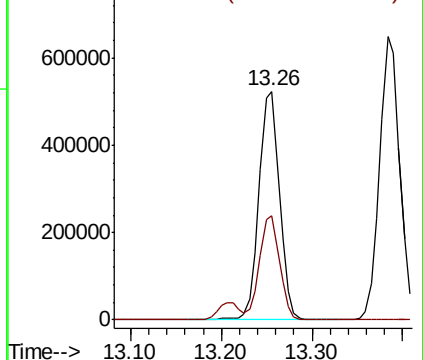
105 100

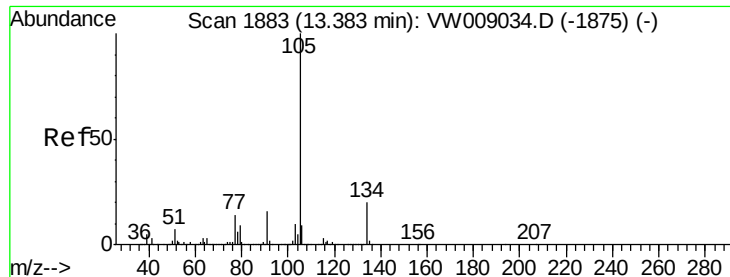
120 44.7 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.664 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW009103.D

Acq: 11 Mar 2019 23:55

Instrument :

MSVOA_W

ClientSampleId :

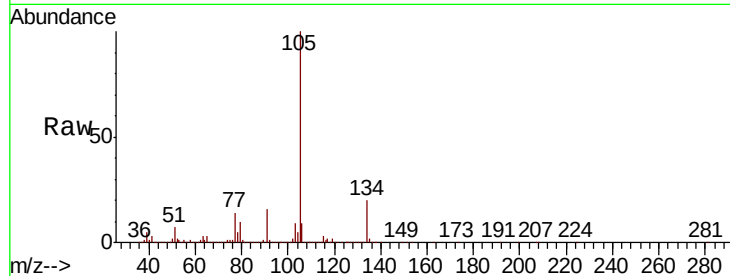
VSTDCCC050

Tgt Ion:105 Resp: 993039

Ion Ratio Lower Upper

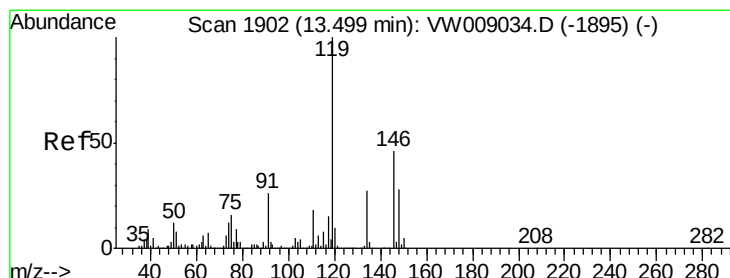
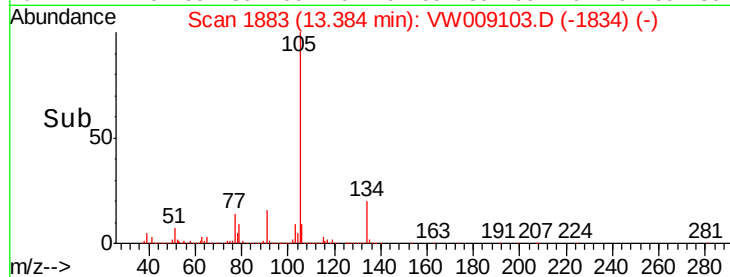
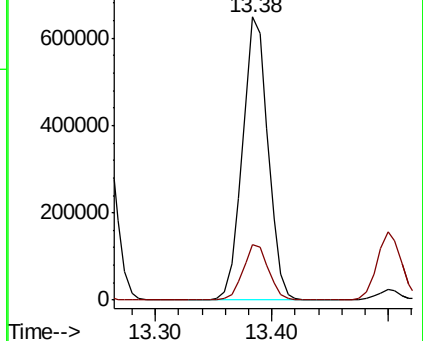
105 100

134 19.7 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.806 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009103.D

Acq: 11 Mar 2019 23:55

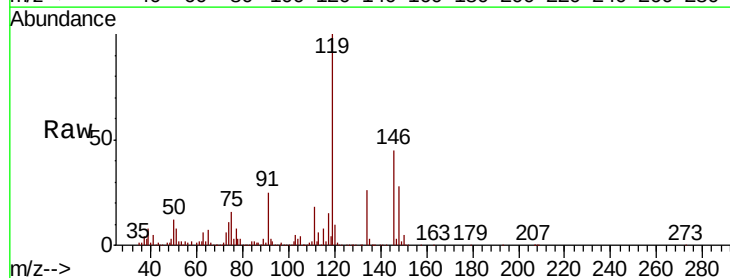
Tgt Ion:119 Resp: 890832

Ion Ratio Lower Upper

119 100

134 25.8 13.3 39.9

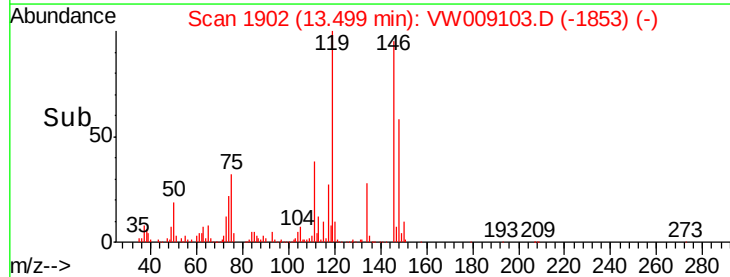
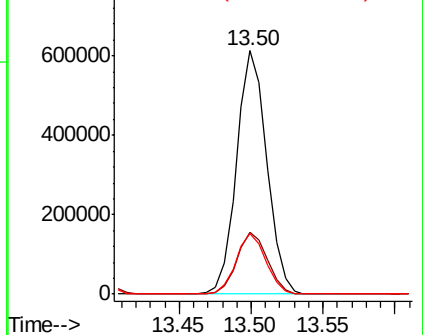
91 24.5 12.3 36.9

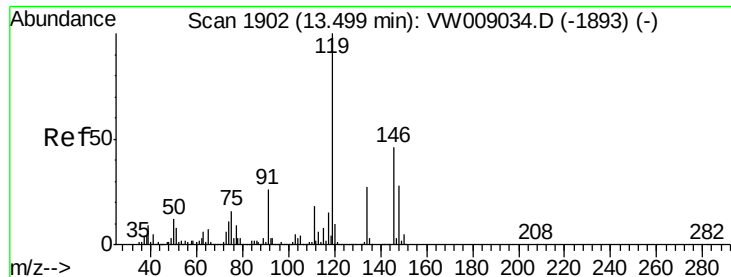


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

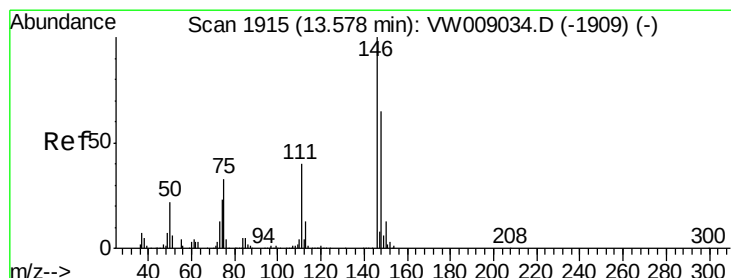
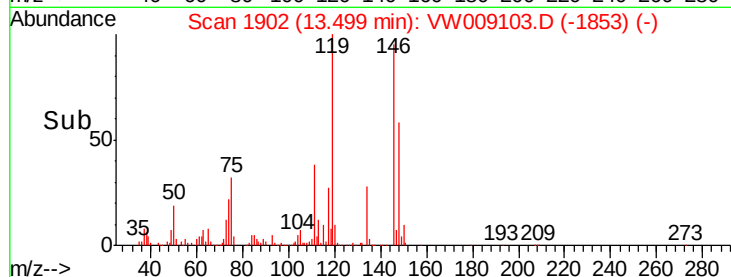
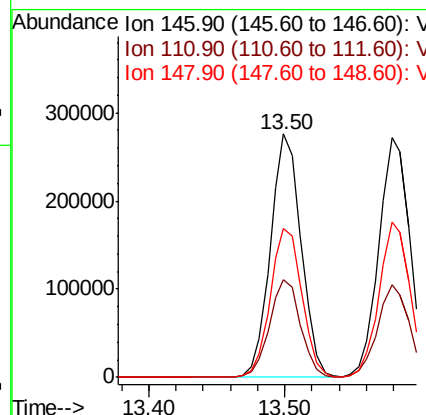
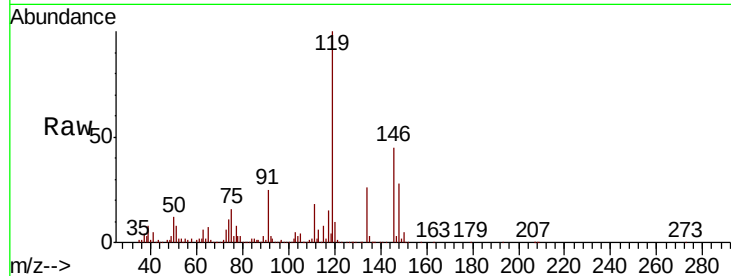




#87
 1,3-Dichlorobenzene
 Concen: 49.839 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009103.D
 Acq: 11 Mar 2019 23:55

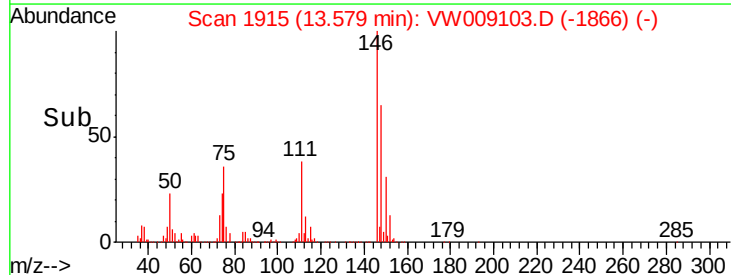
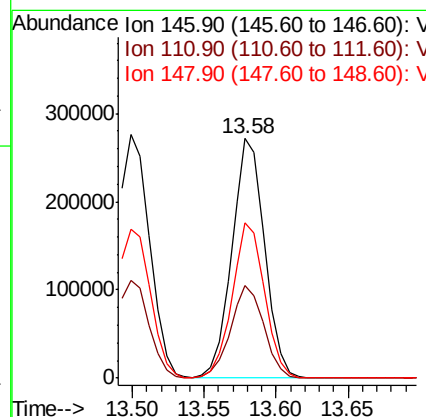
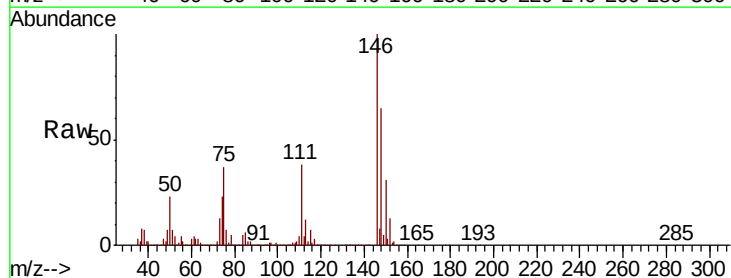
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

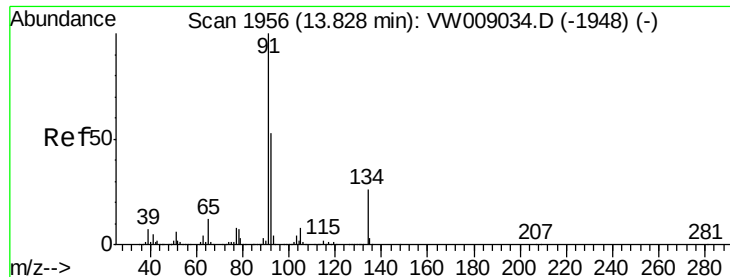
Tgt Ion:146 Resp: 435489
 Ion Ratio Lower Upper
 146 100
 111 40.4 19.8 59.4
 148 63.2 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 49.847 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW009103.D
 Acq: 11 Mar 2019 23:55

Tgt Ion:146 Resp: 430444
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.7 59.0
 148 64.3 32.2 96.6





#89

n-Butylbenzene

Concen: 50.521 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW009103.D

Acq: 11 Mar 2019 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

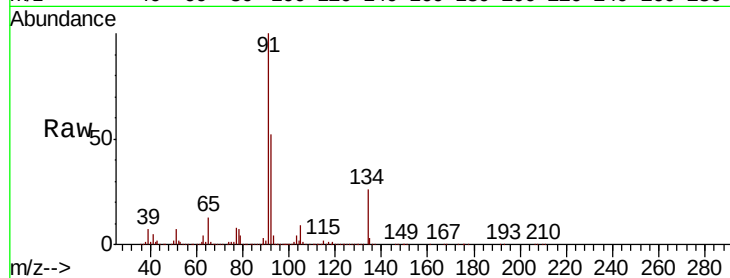
Tgt Ion: 91 Resp: 842130

Ion Ratio Lower Upper

91 100

92 54.1 26.8 80.3

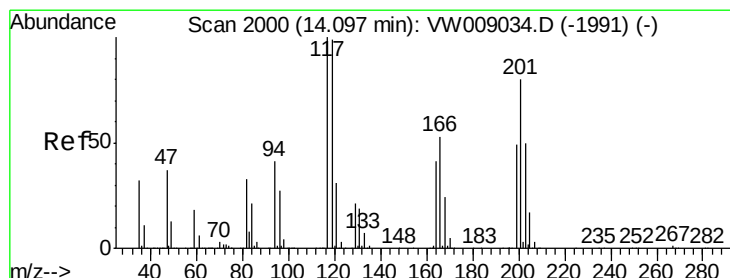
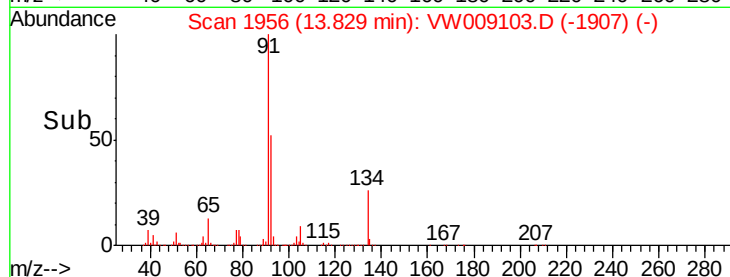
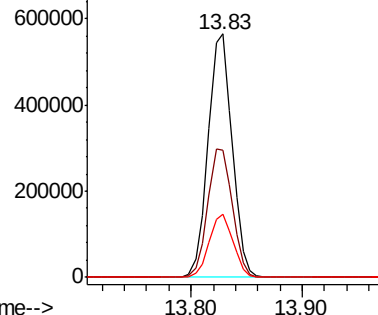
134 25.8 12.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 50.473 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW009103.D

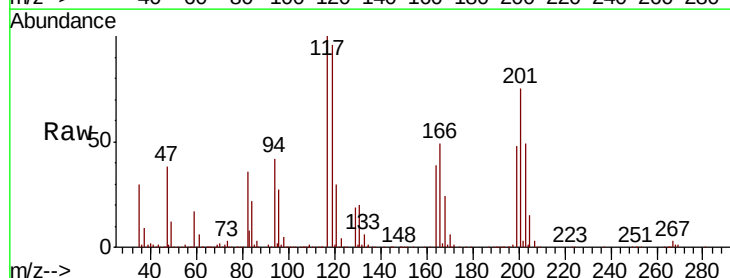
Acq: 11 Mar 2019 23:55

Tgt Ion: 117 Resp: 152635

Ion Ratio Lower Upper

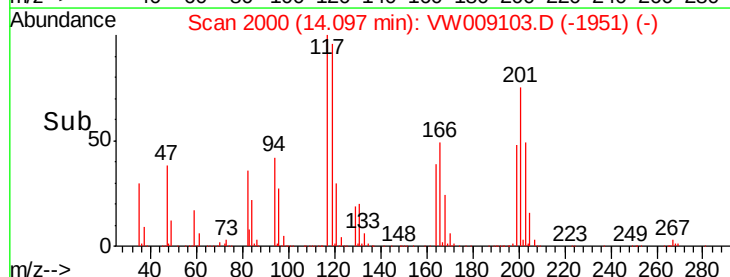
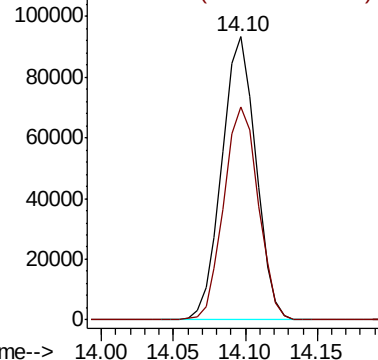
117 100

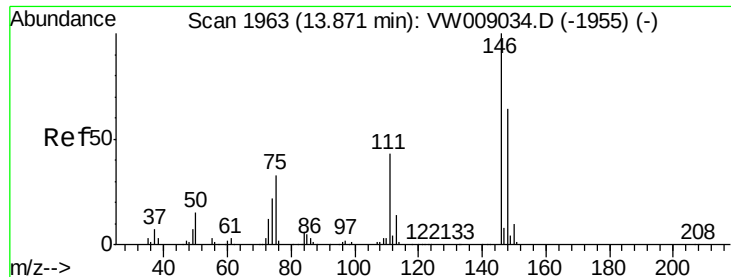
201 75.9 39.1 117.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 50.934 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW009103.D

Acq: 11 Mar 2019 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

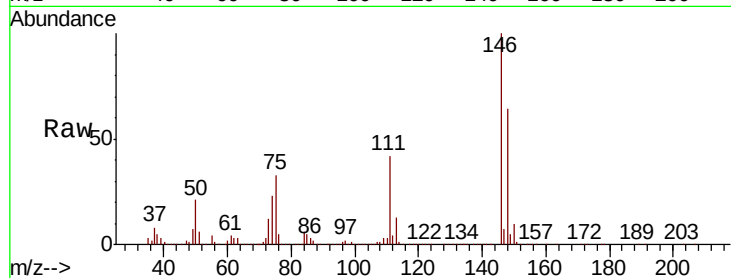
Tgt Ion:146 Resp: 392668

Ion Ratio Lower Upper

146 100

111 41.2 21.1 63.1

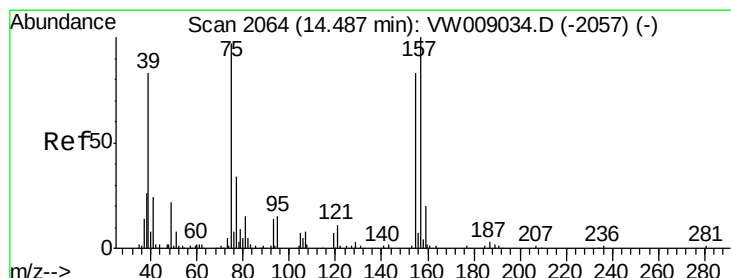
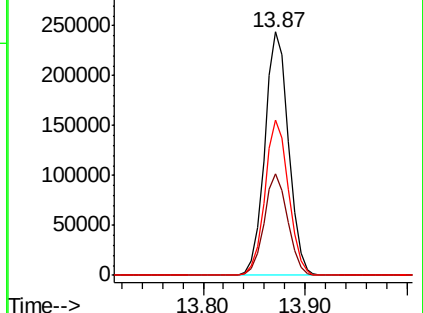
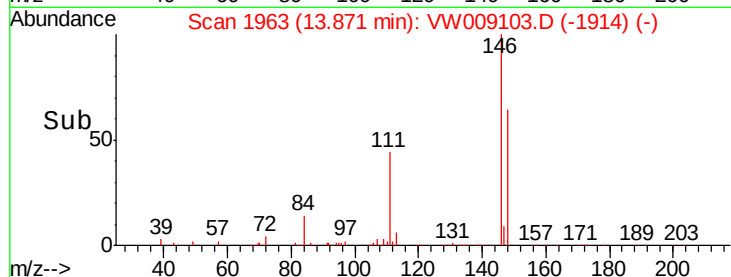
148 63.3 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 56.263 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW009103.D

Acq: 11 Mar 2019 23:55

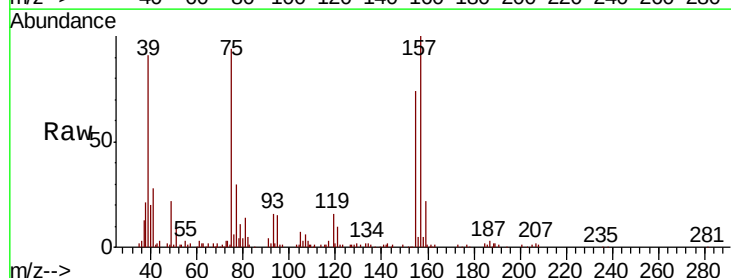
Tgt Ion: 75 Resp: 28764

Ion Ratio Lower Upper

75 100

155 80.8 40.8 122.4

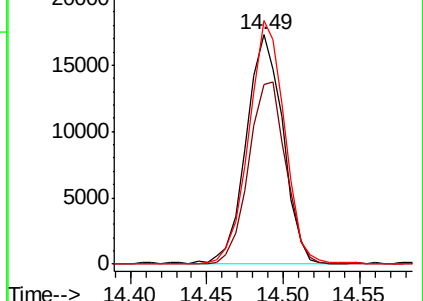
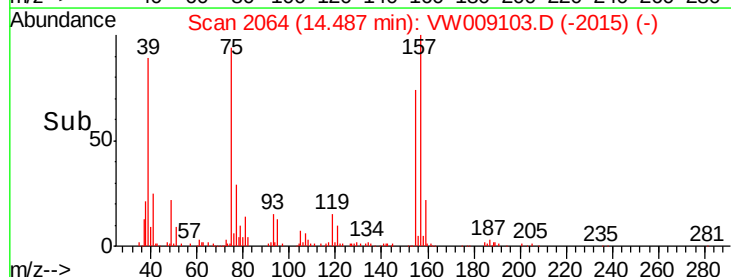
157 104.2 52.4 157.3

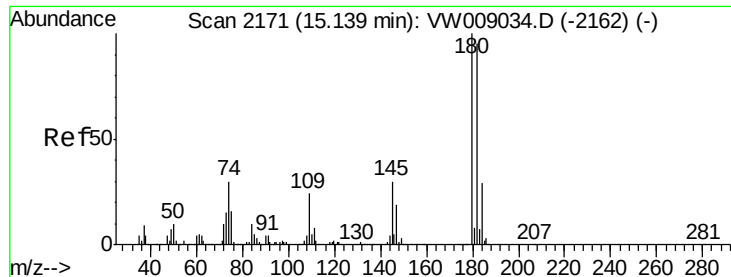


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

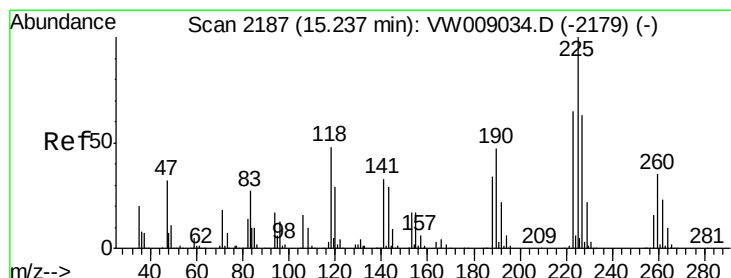
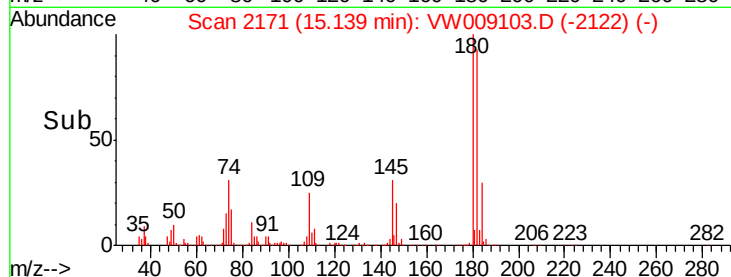
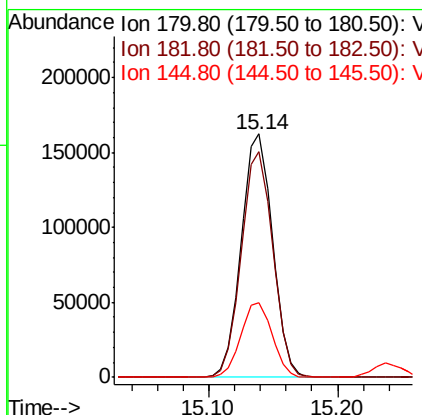
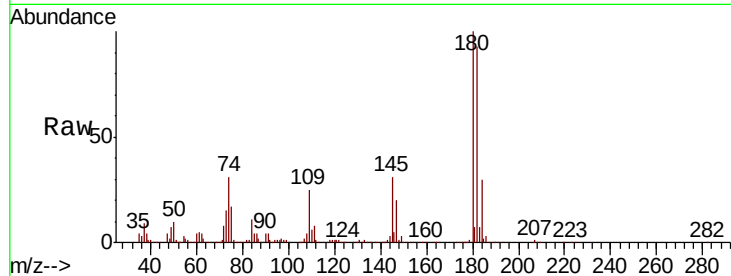




#93
 1,2,4-Trichlorobenzene
 Concen: 52.238 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009103.D
 Acq: 11 Mar 2019 23:55

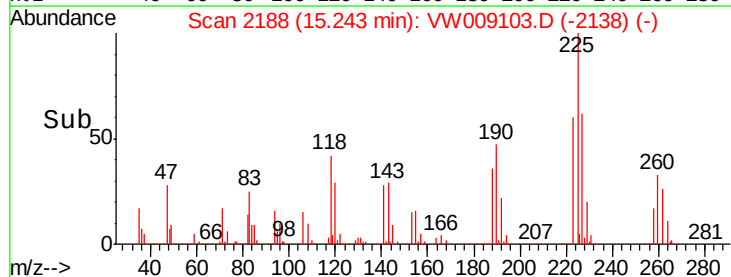
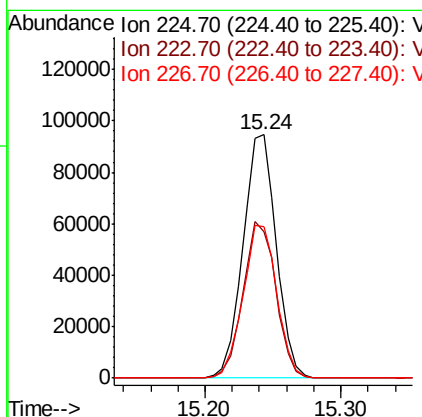
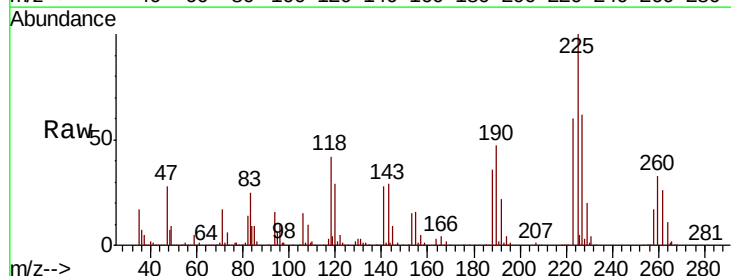
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

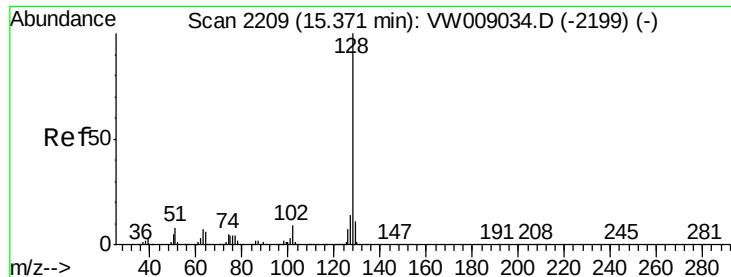
Tgt Ion:180 Resp: 271979
 Ion Ratio Lower Upper
 180 100
 182 93.4 48.1 144.3
 145 31.0 15.4 46.1



#94
 Hexachlorobutadiene
 Concen: 49.557 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.01 min
 Lab File: VW009103.D
 Acq: 11 Mar 2019 23:55

Tgt Ion:225 Resp: 161615
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.6 94.8
 227 64.0 32.0 96.2

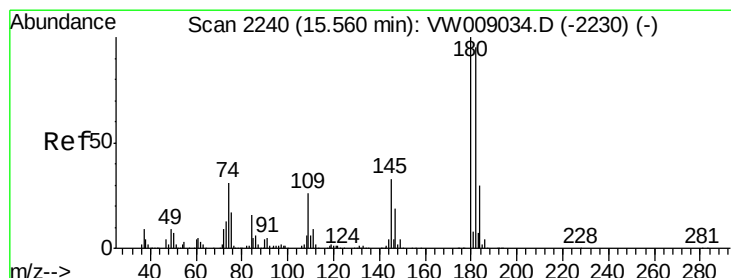
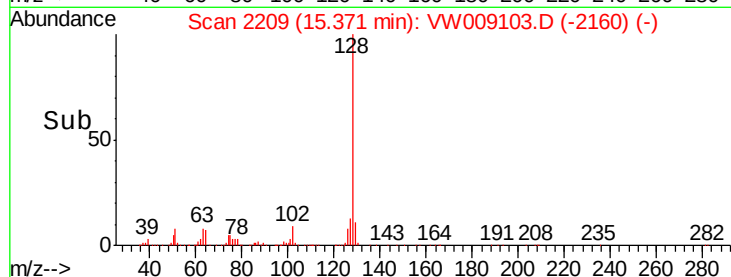
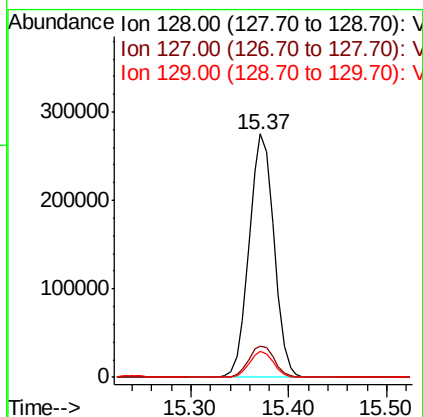
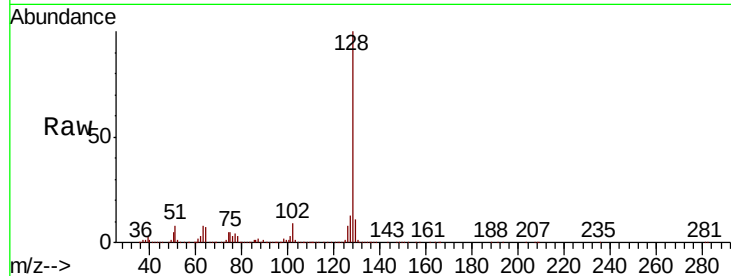




#95
Naphthalene
Concen: 56.931 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009103.D
Acq: 11 Mar 2019 23:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 485203
Ion Ratio Lower Upper
128 100
127 13.5 11.0 16.6
129 10.6 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 51.836 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009103.D
Acq: 11 Mar 2019 23:55

Tgt Ion:180 Resp: 237318
Ion Ratio Lower Upper
180 100
182 95.0 48.1 144.3
145 32.4 15.8 47.3

