

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082319\
 Data File : VW012127.D
 Acq On : 23 Aug 2019 11:03
 Operator : SY/VA
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Quant Time: Aug 26 07:08:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:02:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	255249	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	409382	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	353722	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	170983	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	153195	50.49	ug/l	0.00
Spiked Amount			Recovery	=	100.98%	
35) Dibromofluoromethane	7.88	113	122374	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	
50) Toluene-d8	10.32	98	504168	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	
62) 4-Bromofluorobenzene	12.62	95	173949	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	86465	55.015	ug/l	100
3) Chloromethane	2.21	50	126144	51.805	ug/l	100
4) Vinyl Chloride	2.36	62	159254	53.436	ug/l	100
5) Bromomethane	2.77	94	82482	54.647	ug/l	100
6) Chloroethane	2.92	64	91085	54.177	ug/l	100
7) Trichlorofluoromethane	3.26	101	80796	53.990	ug/l	100
8) Diethyl Ether	3.68	74	75925	53.451	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.07	101	136245	53.561	ug/l	100
10) Methyl Iodide	4.27	142	186751	54.261	ug/l	100
11) Tert butyl alcohol	5.18	59	48268	261.136	ug/l	100
12) 1,1-Dichloroethene	4.04	96	137345	53.645	ug/l	100
13) Acrolein	3.89	56	41181	239.582	ug/l	100
14) Allyl chloride	4.67	41	295708	54.026	ug/l	100
15) Acrylonitrile	5.37	53	184728	262.374	ug/l	100
16) Acetone	4.12	43	227167	292.882	ug/l	100
17) Carbon Disulfide	4.39	76	432026	55.834	ug/l	100
18) Methyl Acetate	4.67	43	98590	51.320	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	221603	53.523	ug/l	100
20) Methylene Chloride	4.92	84	147953	50.458	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	147531	53.736	ug/l	100
22) Diisopropyl ether	6.31	45	541117	53.335	ug/l	100
23) Vinyl Acetate	6.25	43	1723898	276.099	ug/l	100
24) 1,1-Dichloroethane	6.21	63	292388	52.929	ug/l	100
25) 2-Butanone	7.17	43	293014	278.005	ug/l	100
26) 2,2-Dichloropropane	7.17	77	162685	52.031	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	157654	53.746	ug/l	100
28) Bromochloromethane	7.51	49	115057	47.788	ug/l	100
29) Tetrahydrofuran	7.53	42	172895	273.417	ug/l	100
30) Chloroform	7.68	83	263646	52.166	ug/l	100
31) Cyclohexane	7.96	56	280792	51.377	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	210314	52.604	ug/l	100
36) 1,1-Dichloropropene	8.08	75	223936	52.934	ug/l	100
37) Ethyl Acetate	7.25	43	122521	52.851	ug/l	100
38) Carbon Tetrachloride	8.07	117	193689	52.898	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	257799	54.244	ug/l	100
40) Benzene	8.32	78	609771	52.786	ug/l	100
41) Methacrylonitrile	7.48	41	71996	52.841	ug/l	100
42) 1,2-Dichloroethane	8.40	62	190356	52.579	ug/l	100
43) Isopropyl Acetate	8.42	43	228021	53.101	ug/l	100
44) Trichloroethene	9.09	130	147371	52.479	ug/l	100
45) 1,2-Dichloropropane	9.37	63	163200	52.494	ug/l	100
46) Dibromomethane	9.46	93	72353	52.307	ug/l	100
47) Bromodichloromethane	9.65	83	196204	53.296	ug/l	100
48) Methyl methacrylate	9.44	41	111817	54.711	ug/l	100
49) 1,4-Dioxane	9.45	88	22368	1056.299	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	583704	267.249	ug/l	100
52) Toluene	10.39	92	369437	53.236	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	204928	54.648	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	244337	53.963	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	101886	52.060	ug/l	100
56) Ethyl methacrylate	10.65	69	155402	54.558	ug/l	100
57) 1,3-Dichloropropane	10.93	76	195085	52.748	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	361121	247.029	ug/l	100
59) 2-Hexanone	10.97	43	432509	279.868	ug/l	100
60) Dibromochloromethane	11.13	129	117658	53.975	ug/l	100
61) 1,2-Dibromoethane	11.24	107	97155	53.286	ug/l	100
64) Tetrachloroethene	10.86	164	122777	53.538	ug/l	100
65) Chlorobenzene	11.66	112	365769	52.515	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	129884	53.454	ug/l	100
67) Ethyl Benzene	11.73	91	710661	52.967	ug/l	100
68) m/p-Xylenes	11.84	106	515069	106.574	ug/l	100
69) o-Xylene	12.16	106	240586	53.785	ug/l	100
70) Styrene	12.18	104	420230	54.276	ug/l	100
71) Bromoform	12.35	173	64051	52.908	ug/l	100
73) Isopropylbenzene	12.46	105	677819	52.905	ug/l	100
74) N-amyl acetate	12.27	43	209881	54.221	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	121793	51.853	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	164296	99.724	ug/l #	100
77) Bromobenzene	12.75	156	143688	51.840	ug/l	100
78) n-propylbenzene	12.80	91	829999	53.066	ug/l	100
79) 2-Chlorotoluene	12.89	91	465058	52.371	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	568089	53.064	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	41029	54.020	ug/l	100
82) 4-Chlorotoluene	12.99	91	486115	52.282	ug/l	100
83) tert-Butylbenzene	13.21	119	478572	52.772	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	566688	52.695	ug/l	100
85) sec-Butylbenzene	13.38	105	682599	52.538	ug/l	100
86) p-Isopropyltoluene	13.50	119	617524	53.221	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	277333	51.155	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	276878	51.435	ug/l	100
89) n-Butylbenzene	13.82	91	618627	53.614	ug/l	100
90) Hexachloroethane	14.09	117	108703	53.398	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	248751	52.303	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20081	50.713	ug/l	100

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	176330	53.650	ug/l	100
94) Hexachlorobutadiene	15.24	225	111571	51.411	ug/l	100
95) Naphthalene	15.36	128	321487	55.860	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	154310	53.812	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012127.D

Acq: 23 Aug 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

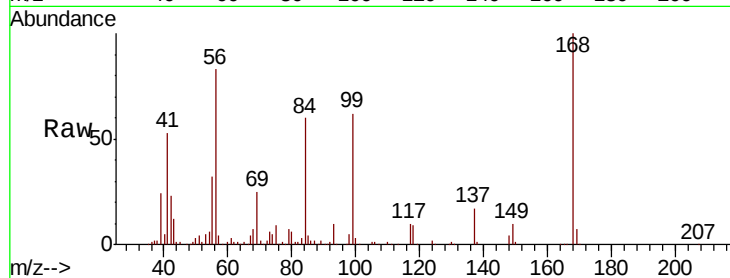
VSTDICCC050

Tgt Ion:168 Resp: 255249

Ion Ratio Lower Upper

168 100

99 61.5 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

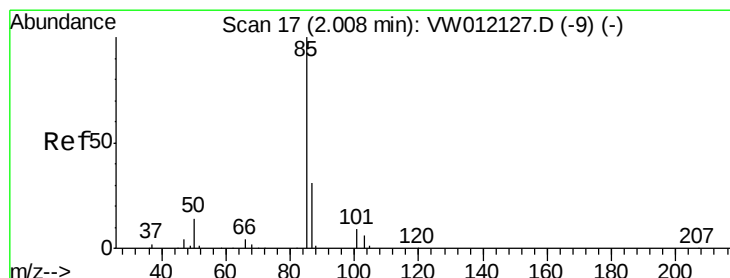
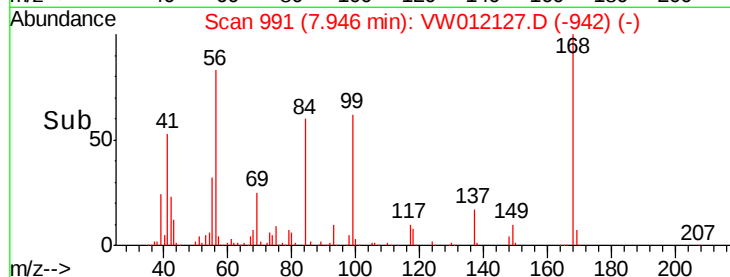
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 55.015 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW012127.D

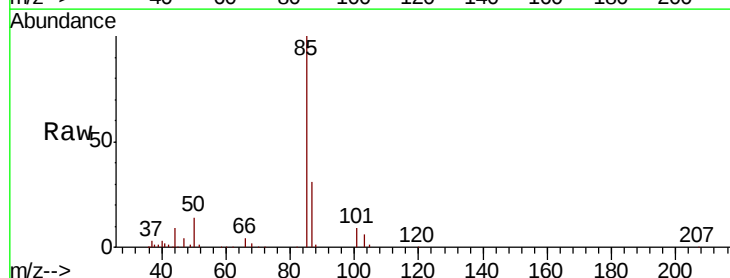
Acq: 23 Aug 2019 11:03

Tgt Ion: 85 Resp: 86465

Ion Ratio Lower Upper

85 100

87 31.2 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

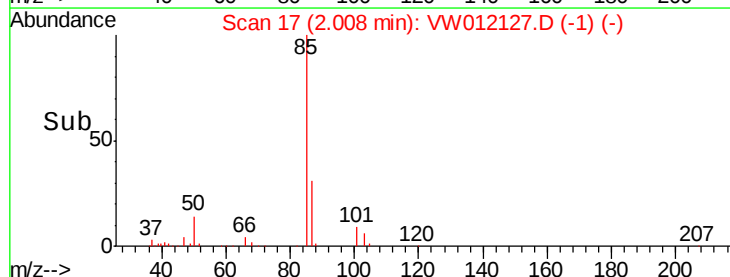
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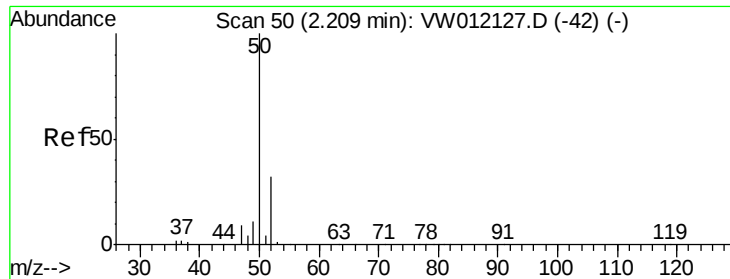
20000

10000

0

Time-->





#3

Chloromethane

Concen: 51.805 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW012127.D

Acq: 23 Aug 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

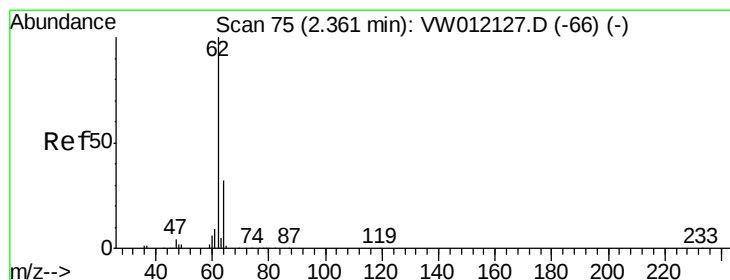
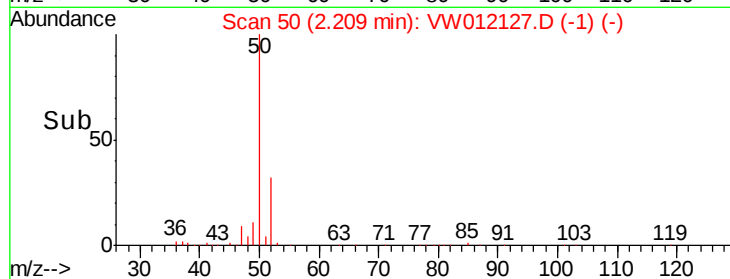
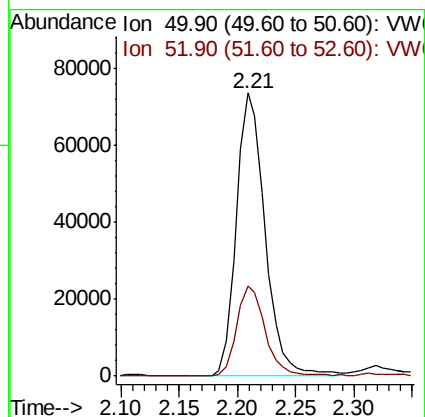
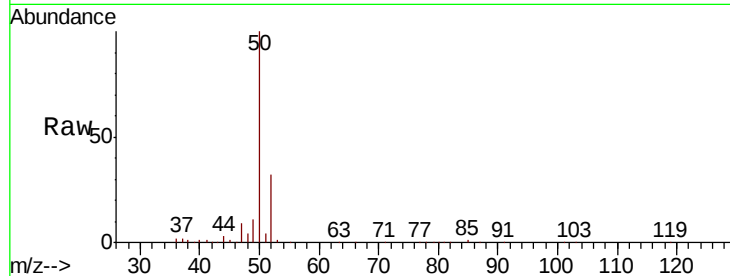
VSTDICCC050

Tgt Ion: 50 Resp: 126144

Ion Ratio Lower Upper

50 100

52 31.9 25.5 38.3



#4

Vinyl Chloride

Concen: 53.436 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW012127.D

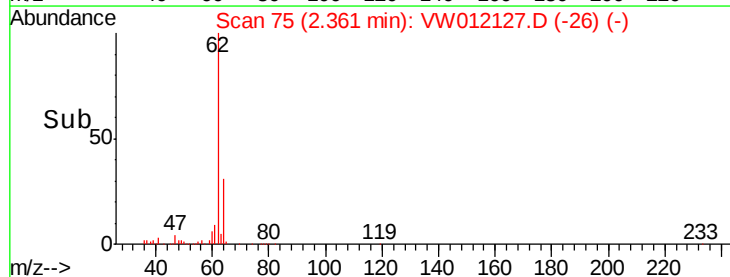
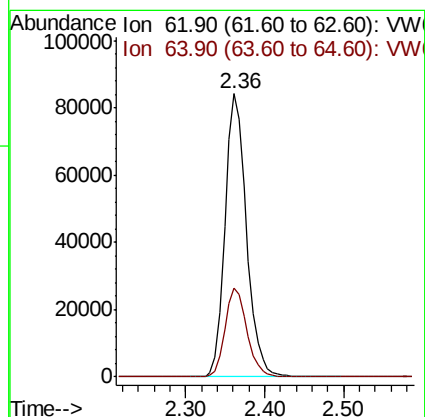
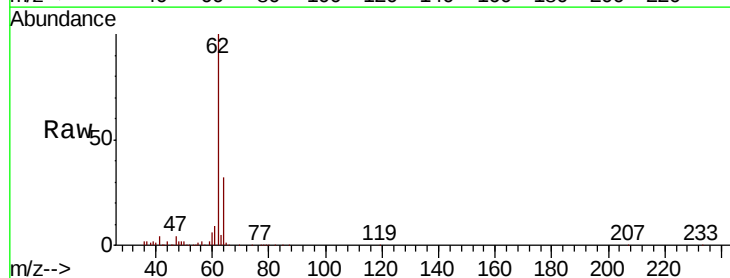
Acq: 23 Aug 2019 11:03

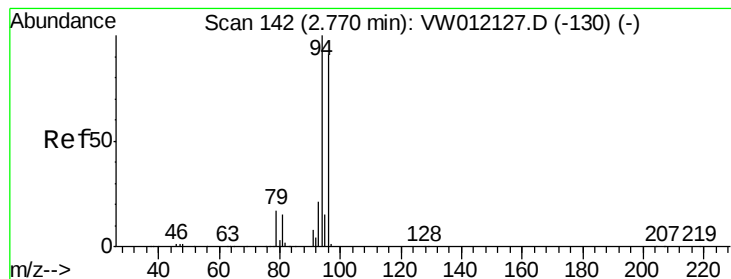
Tgt Ion: 62 Resp: 159254

Ion Ratio Lower Upper

62 100

64 31.6 25.3 37.9





#5

Bromomethane

Concen: 54.647 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW012127.D

Acq: 23 Aug 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

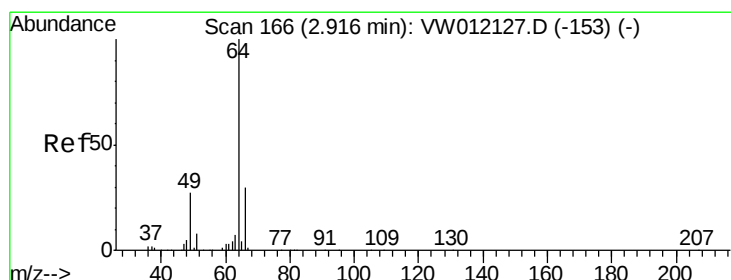
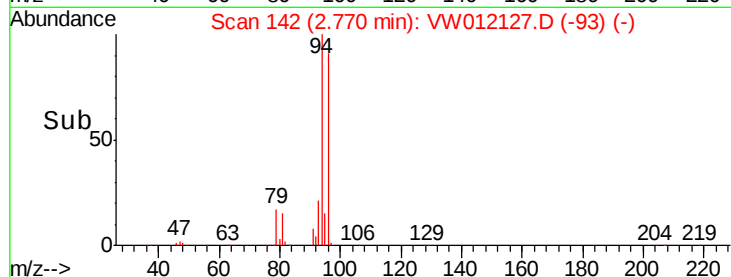
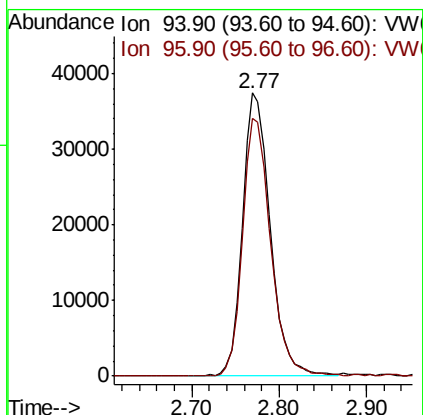
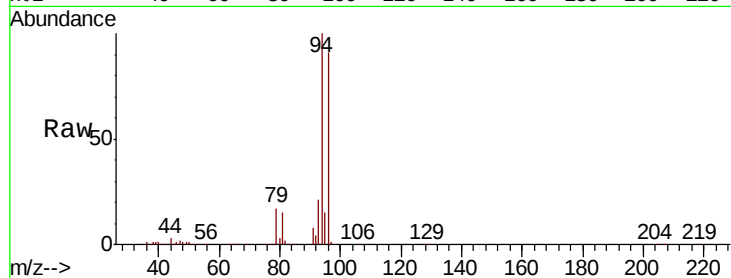
VSTDICCC050

Tgt Ion: 94 Resp: 82482

Ion Ratio Lower Upper

94 100

96 91.1 72.9 109.3



#6

Chloroethane

Concen: 54.177 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW012127.D

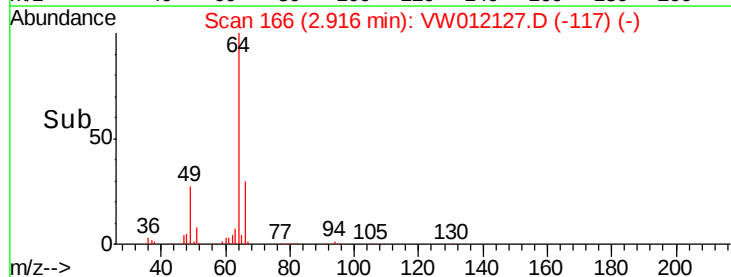
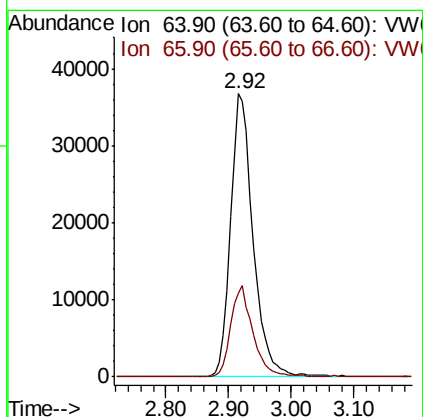
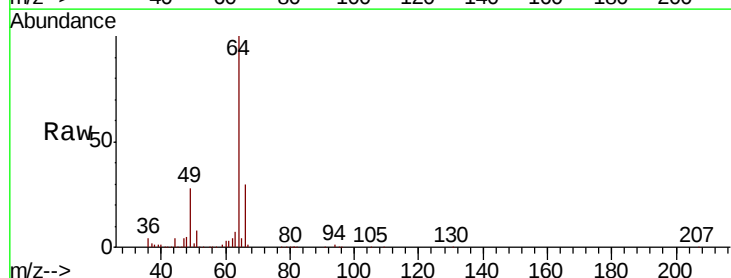
Acq: 23 Aug 2019 11:03

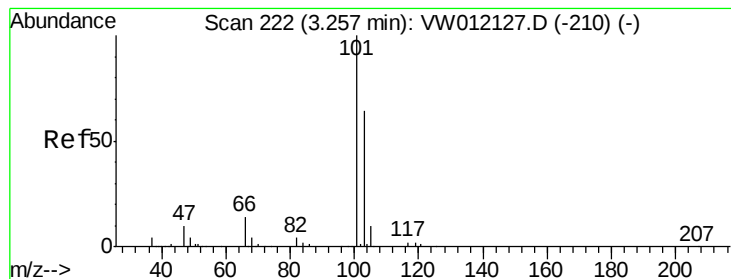
Tgt Ion: 64 Resp: 91085

Ion Ratio Lower Upper

64 100

66 29.8 23.8 35.8



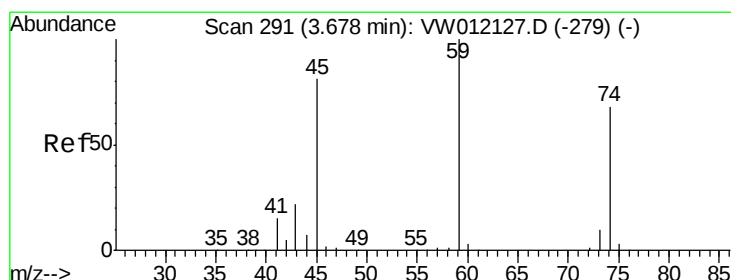
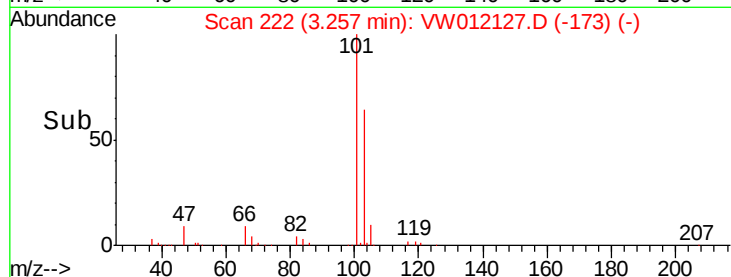
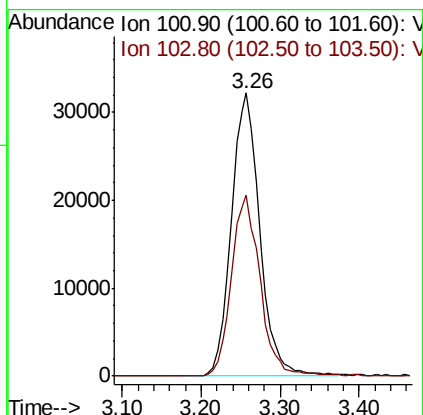
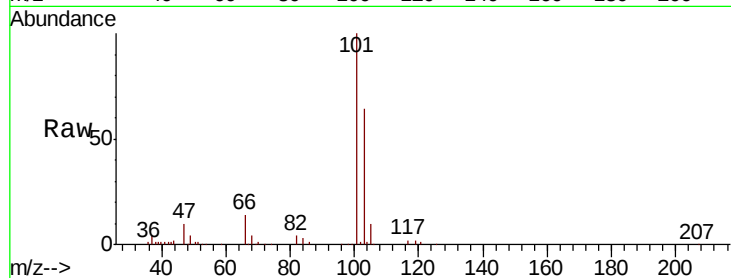


#7

Trichlorofluoromethane
 Concen: 53.990 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW012127.D
 Acq: 23 Aug 2019 11:03

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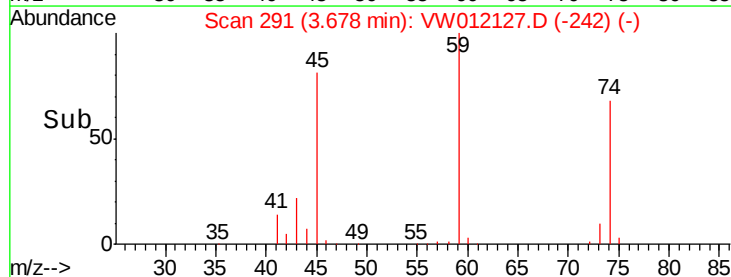
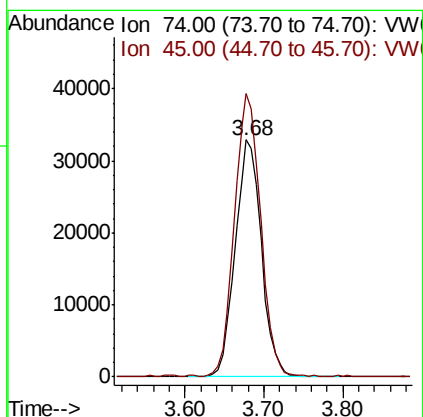
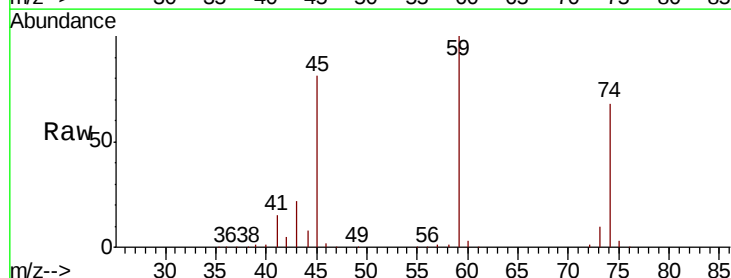
Tgt Ion: 101 Resp: 80796
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.2 76.8

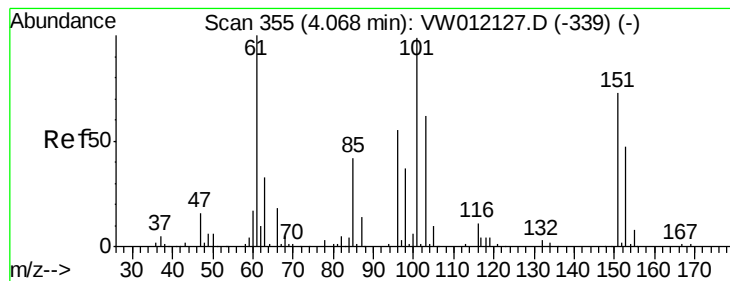


#8

Diethyl Ether
 Concen: 53.451 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW012127.D
 Acq: 23 Aug 2019 11:03

Tgt Ion: 74 Resp: 75925
 Ion Ratio Lower Upper
 74 100
 45 118.4 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.561 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW012127.D

Acq: 23 Aug 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

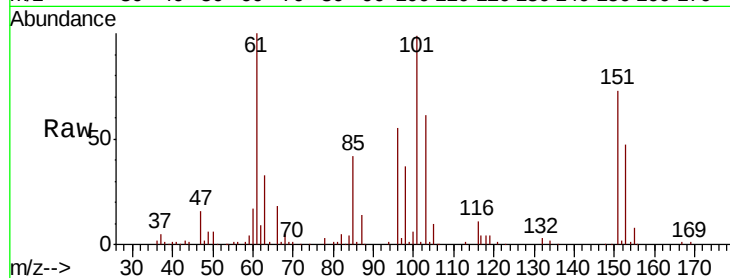
Tgt Ion:101 Resp: 136245

Ion Ratio Lower Upper

101 100

85 44.7 35.8 53.6

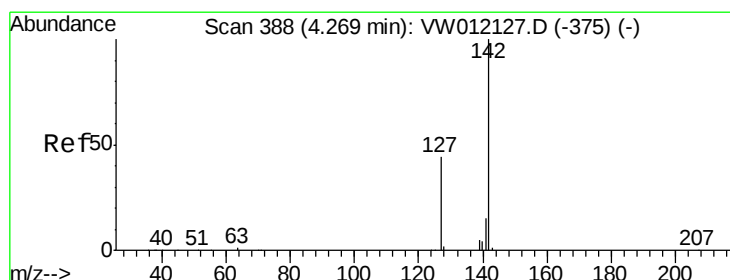
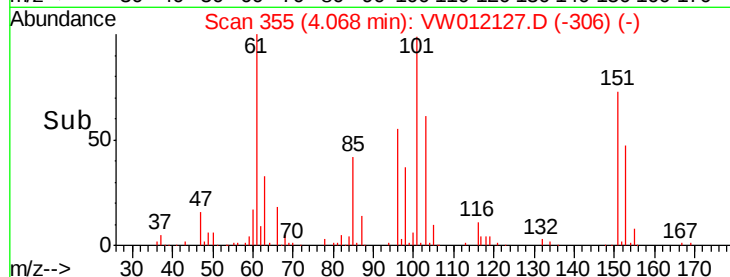
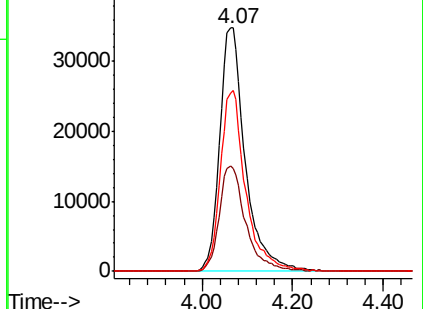
151 73.2 58.6 87.8



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: 54.261 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW012127.D

Acq: 23 Aug 2019 11:03

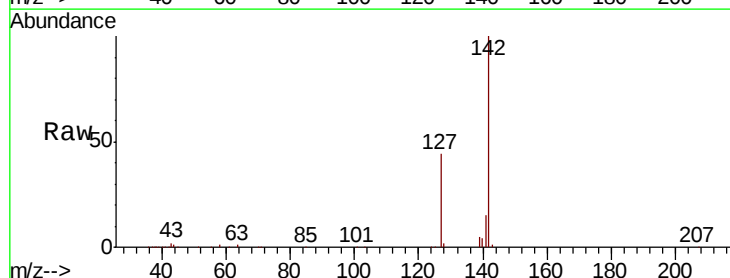
Tgt Ion:142 Resp: 186751

Ion Ratio Lower Upper

142 100

127 44.4 35.5 53.3

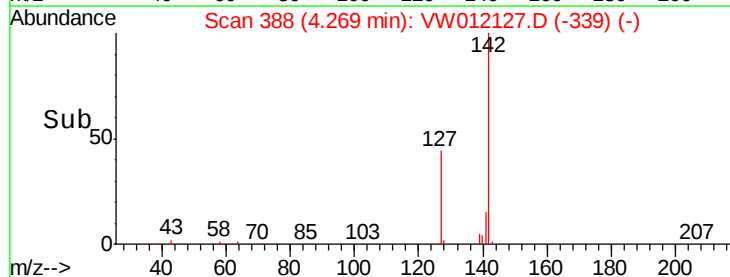
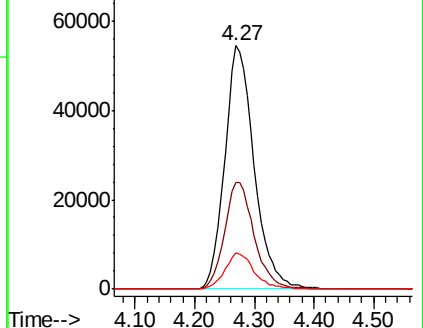
141 14.8 11.8 17.8

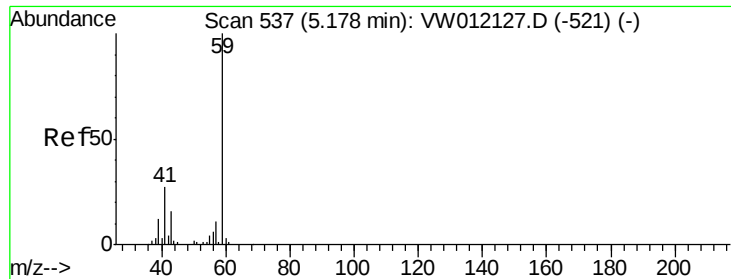


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

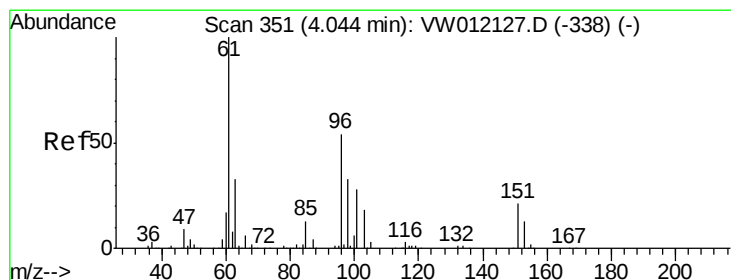
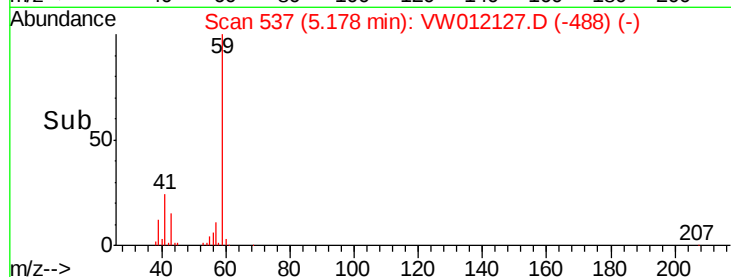
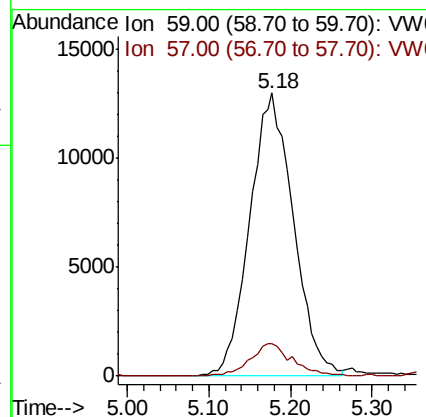
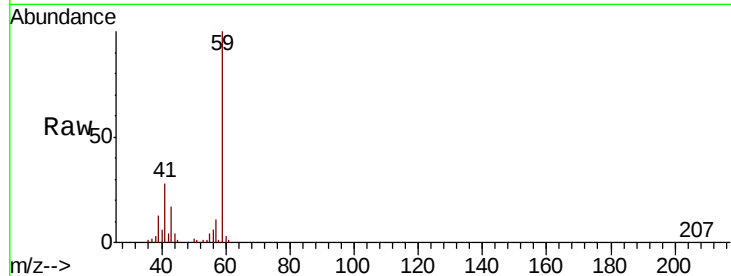




#11
Tert butyl alcohol
Concen: 261.136 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.00 min
Lab File: VW012127.D
Acq: 23 Aug 2019 11:03

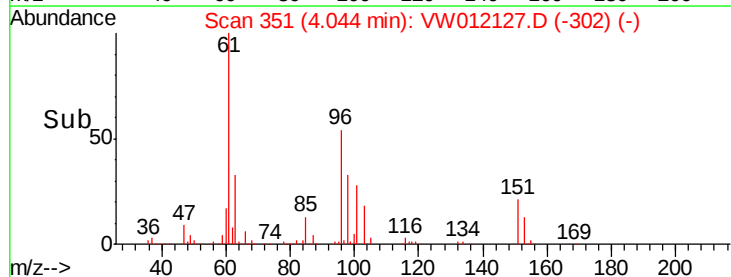
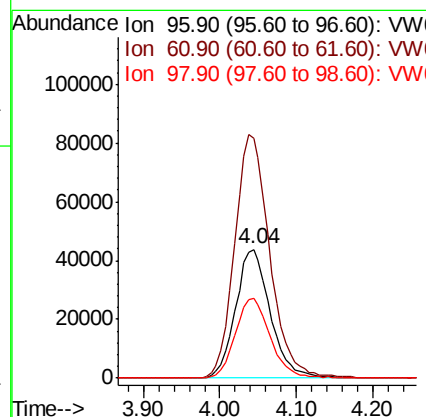
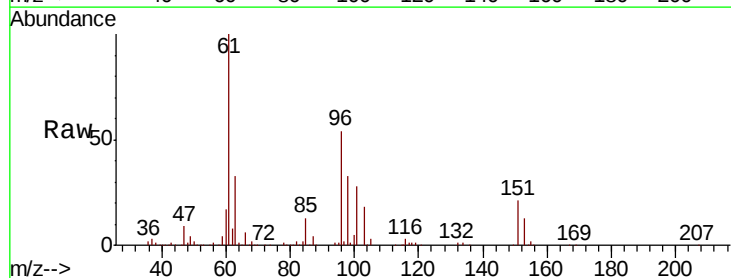
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

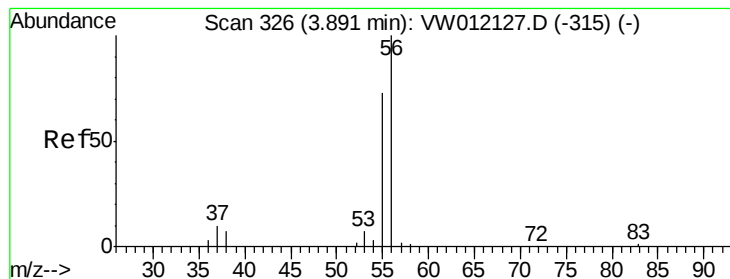
Tgt Ion: 59 Resp: 48268
Ion Ratio Lower Upper
59 100
57 11.2 9.0 13.4



#12
1,1-Dichloroethene
Concen: 53.645 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.00 min
Lab File: VW012127.D
Acq: 23 Aug 2019 11:03

Tgt Ion: 96 Resp: 137345
Ion Ratio Lower Upper
96 100
61 186.4 149.1 223.7
98 61.8 49.4 74.2





#13

Acrolein

Concen: 239.582 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW012127.D

Acq: 23 Aug 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

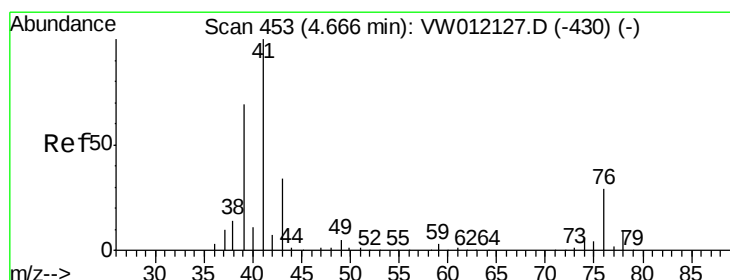
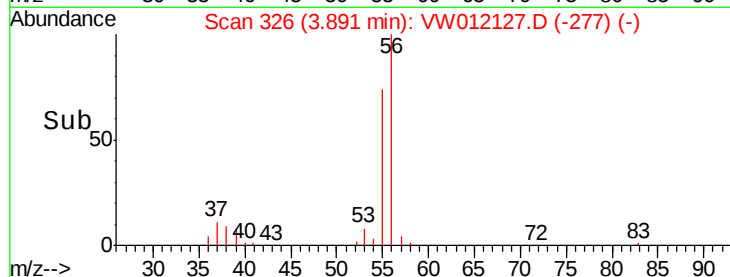
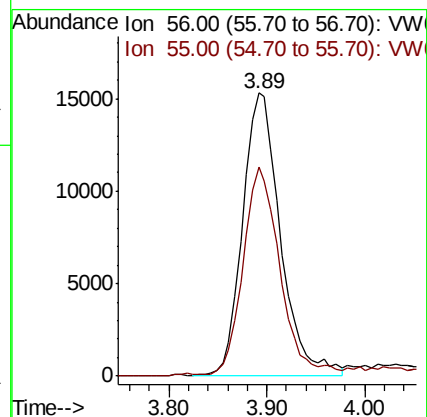
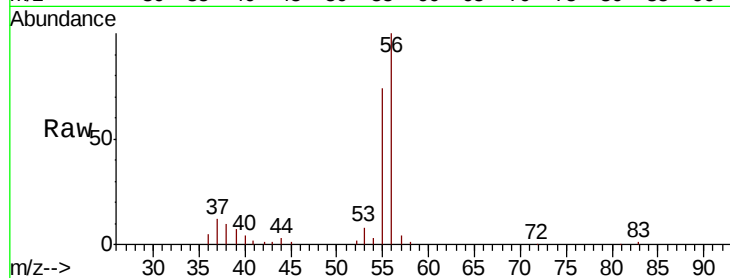
VSTDICCC050

Tgt Ion: 56 Resp: 41181

Ion Ratio Lower Upper

56 100

55 69.8 55.8 83.8



#14

Allyl chloride

Concen: 54.026 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW012127.D

Acq: 23 Aug 2019 11:03

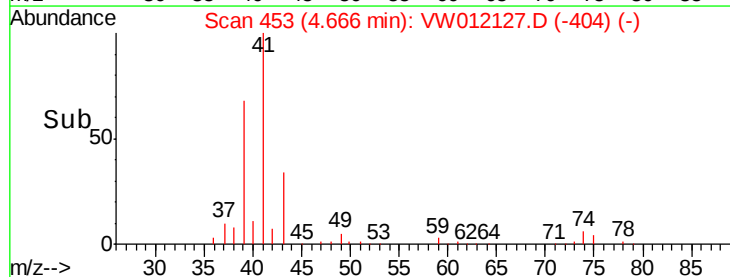
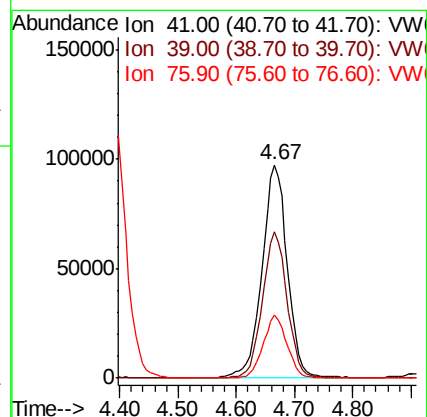
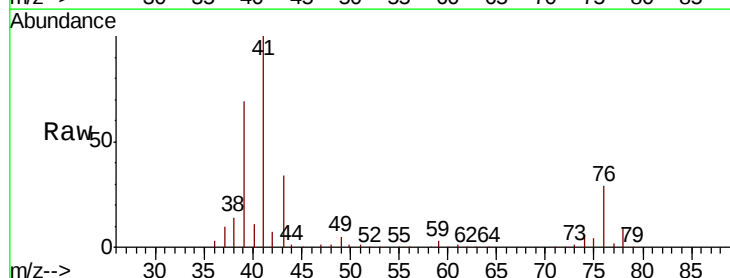
Tgt Ion: 41 Resp: 295708

Ion Ratio Lower Upper

41 100

39 66.8 53.4 80.2

76 27.6 22.1 33.1





#15

Acrylonitrile

Concen: 262.374 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW012127.D

Acq: 23 Aug 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

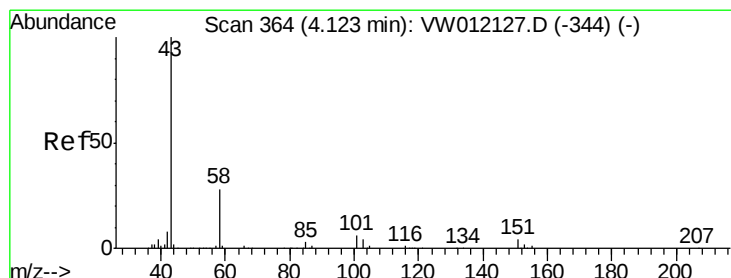
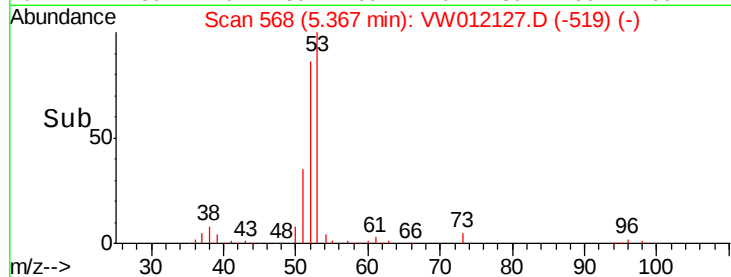
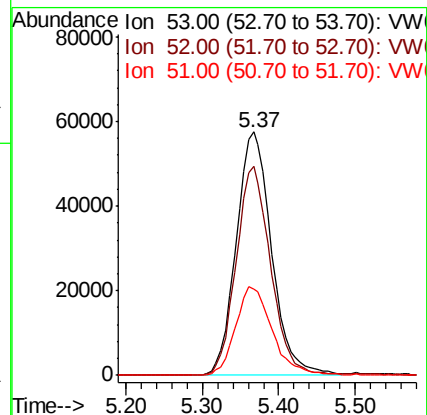
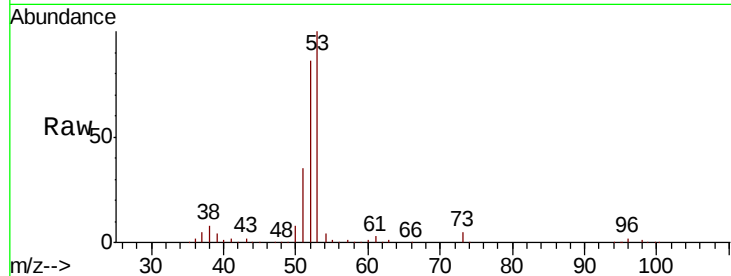
Tgt Ion: 53 Resp: 184728

Ion Ratio Lower Upper

53 100

52 83.4 66.7 100.1

51 37.6 30.1 45.1



#16

Acetone

Concen: 292.882 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW012127.D

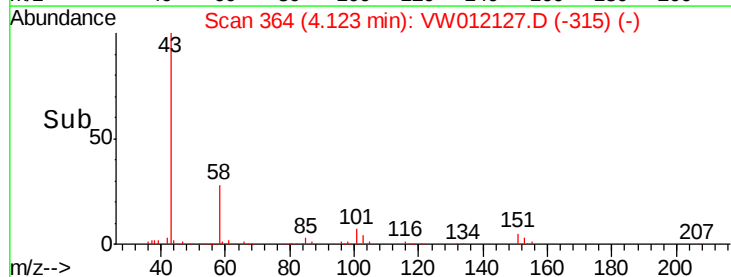
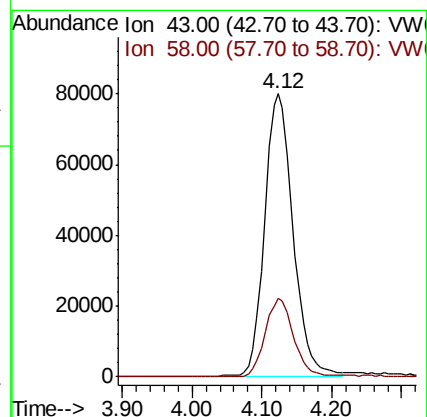
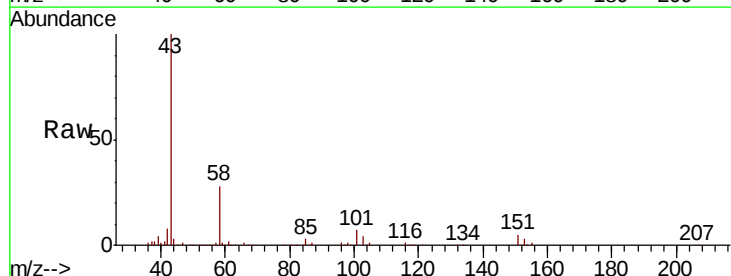
Acq: 23 Aug 2019 11:03

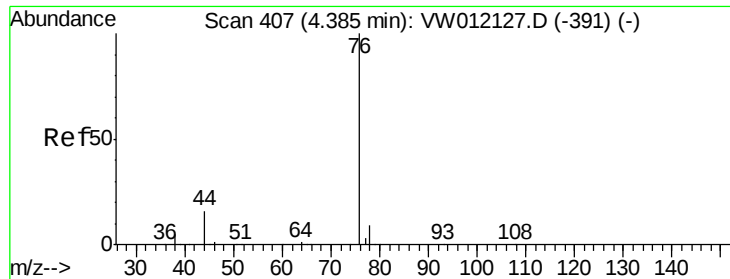
Tgt Ion: 43 Resp: 227167

Ion Ratio Lower Upper

43 100

58 28.0 22.4 33.6

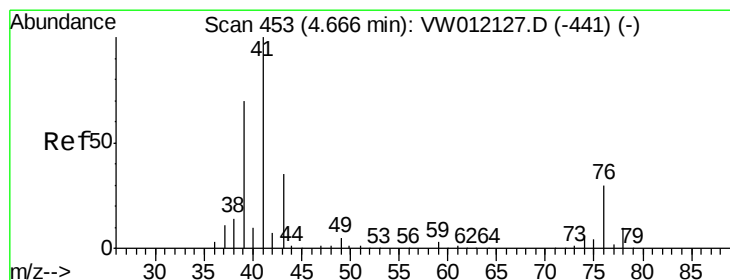
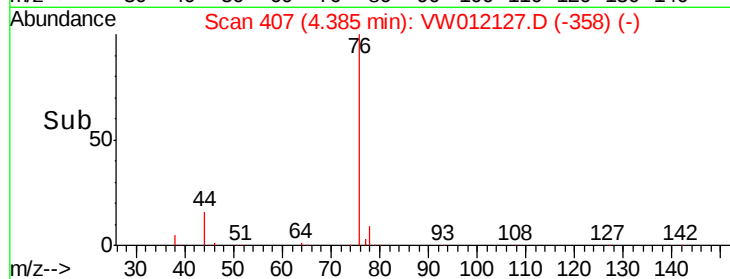
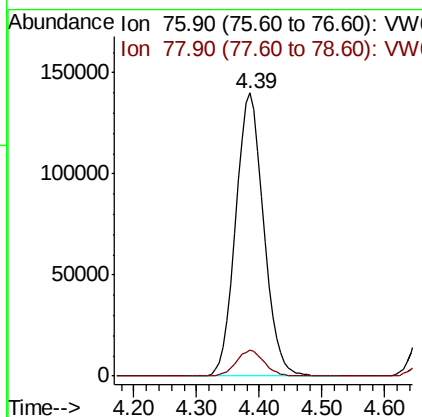
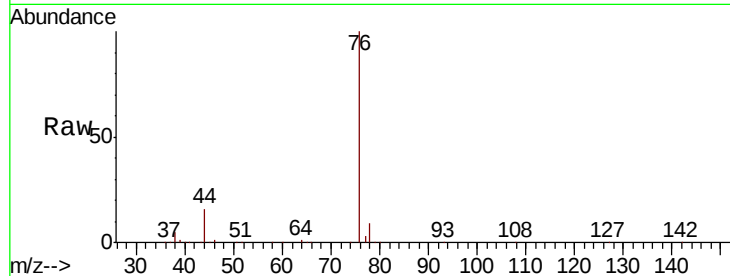




#17
Carbon Disulfide
Concen: 55.834 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW012127.D
Acq: 23 Aug 2019 11:03

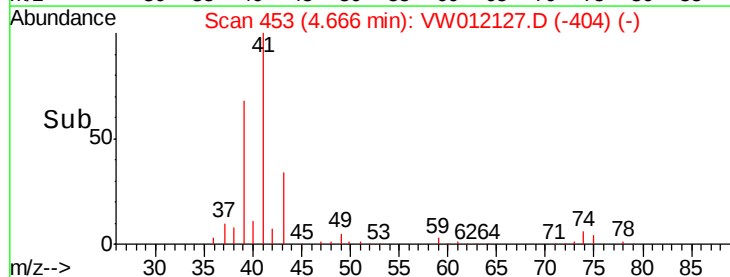
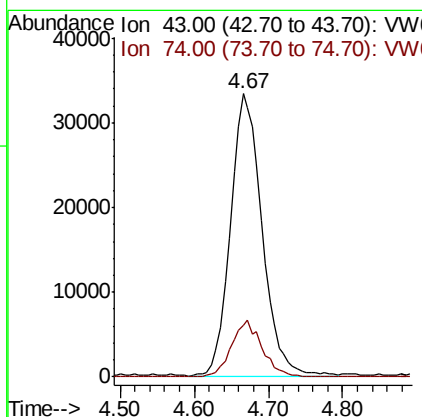
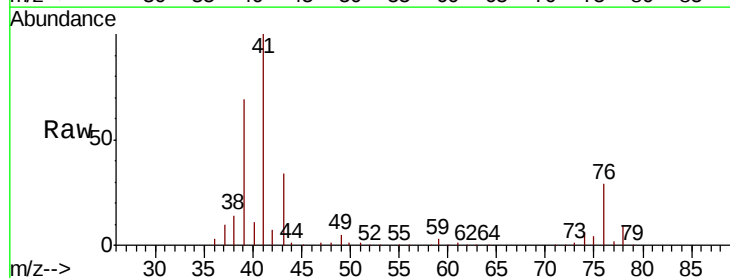
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

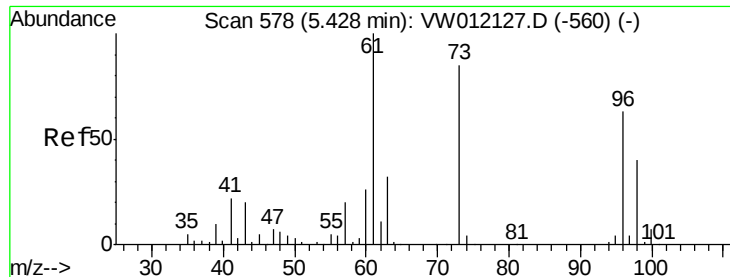
Tgt Ion: 76 Resp: 432026
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9



#18
Methyl Acetate
Concen: 51.320 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW012127.D
Acq: 23 Aug 2019 11:03

Tgt Ion: 43 Resp: 98590
Ion Ratio Lower Upper
43 100
74 19.6 15.7 23.5

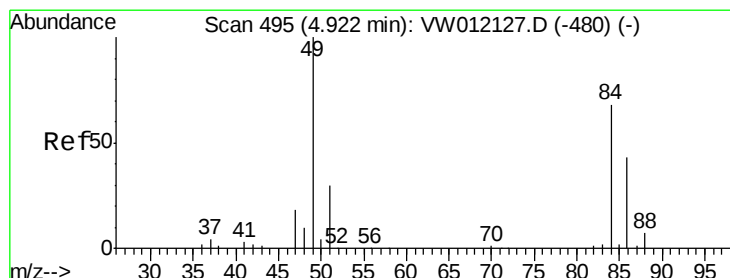
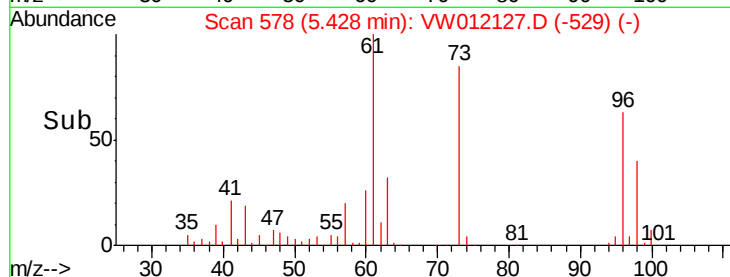
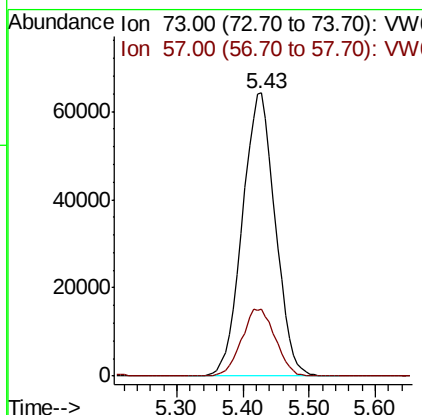
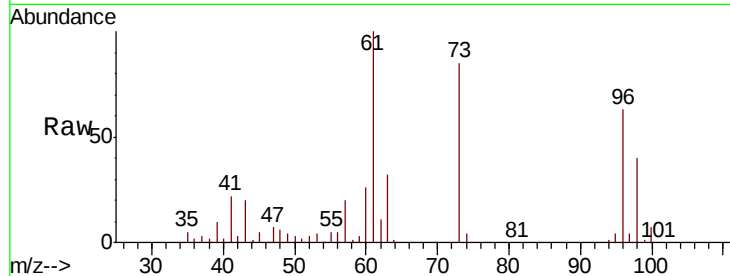




#19
Methyl tert-butyl Ether
Concen: 53.523 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW012127.D
Acq: 23 Aug 2019 11:03

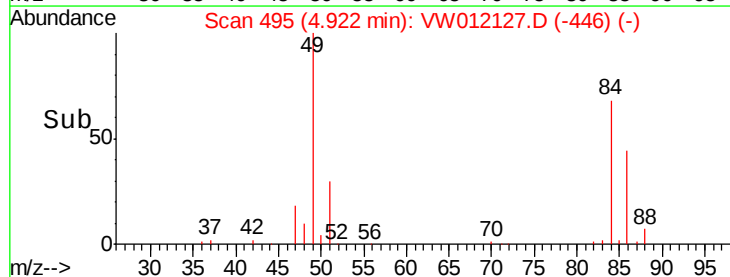
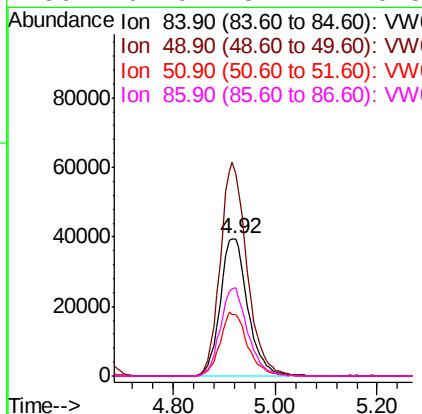
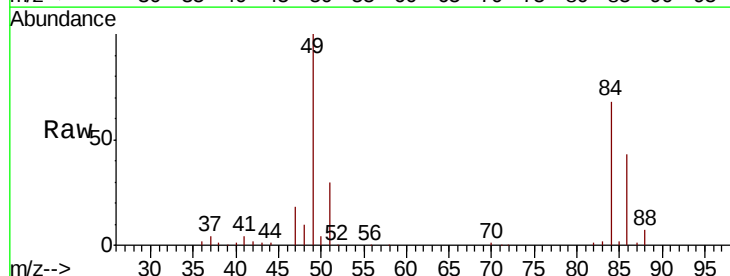
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

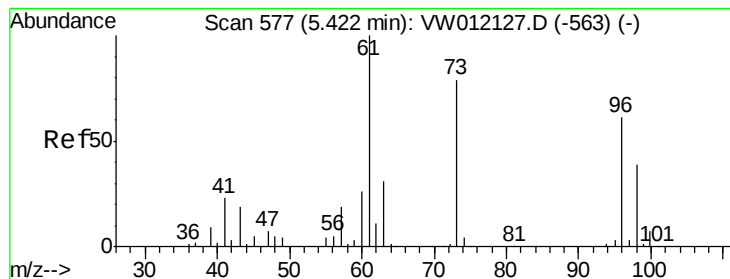
Tgt Ion: 73 Resp: 221603
Ion Ratio Lower Upper
73 100
57 23.6 18.9 28.3



#20
Methylene Chloride
Concen: 50.458 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW012127.D
Acq: 23 Aug 2019 11:03

Tgt Ion: 84 Resp: 147953
Ion Ratio Lower Upper
84 100
49 147.3 117.8 176.8
51 44.5 35.6 53.4
86 64.0 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 53.736 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW012127.D

Acq: 23 Aug 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

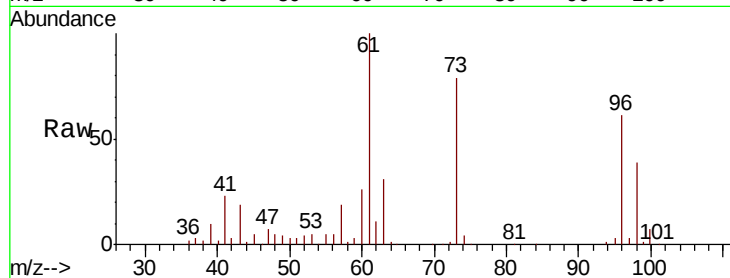
Tgt Ion: 96 Resp: 147531

Ion Ratio Lower Upper

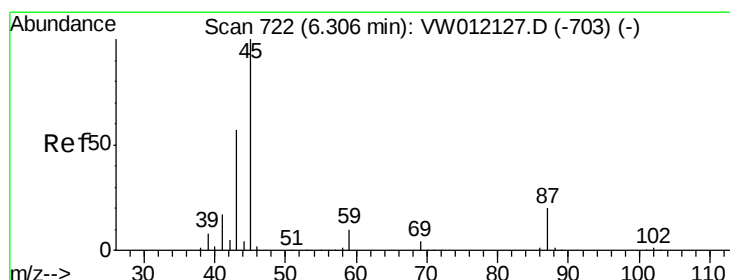
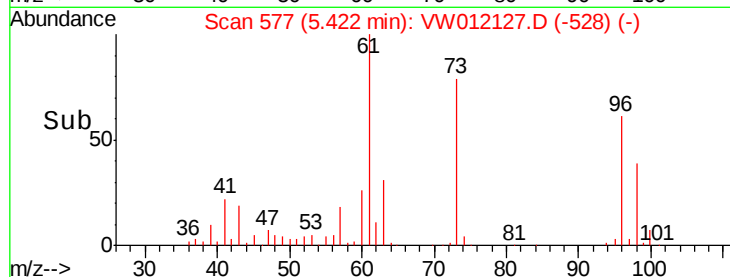
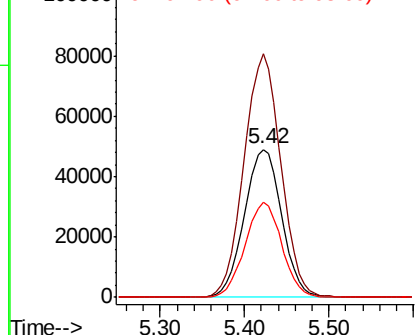
96 100

61 164.2 131.4 197.0

98 64.2 51.4 77.0



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: 53.335 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW012127.D

Acq: 23 Aug 2019 11:03

Tgt Ion: 45 Resp: 541117

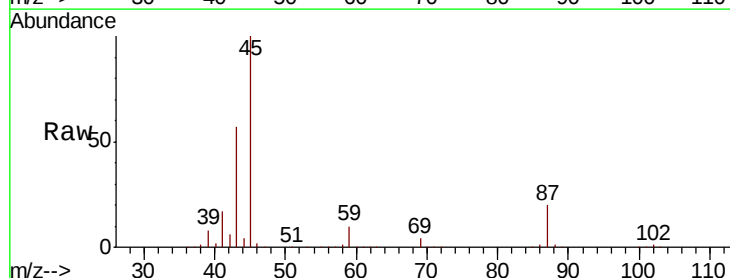
Ion Ratio Lower Upper

45 100

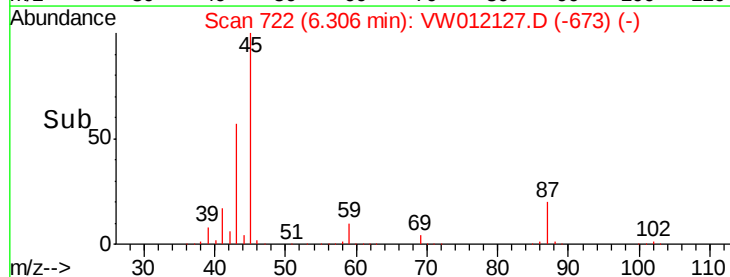
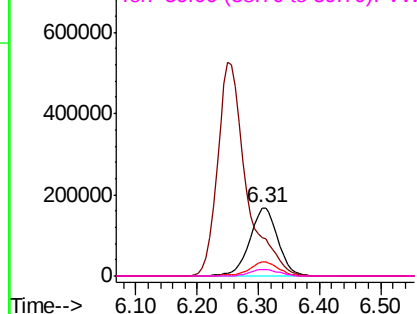
43 56.9 45.5 68.3

87 20.1 16.1 24.1

59 10.2 8.2 12.2



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





#23

Vinyl Acetate

Concen: 276.099 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW012127.D

Acq: 23 Aug 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

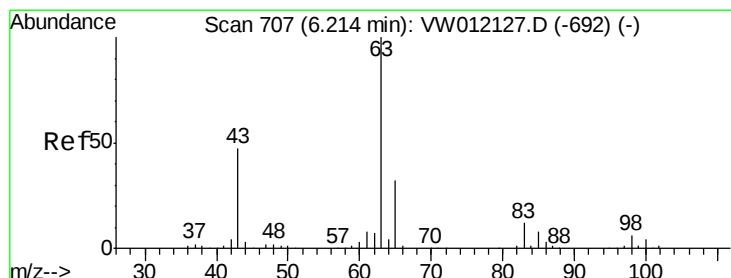
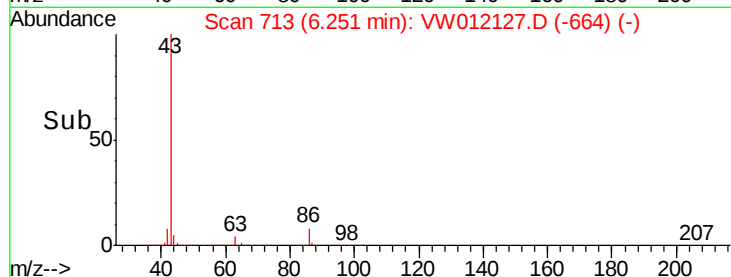
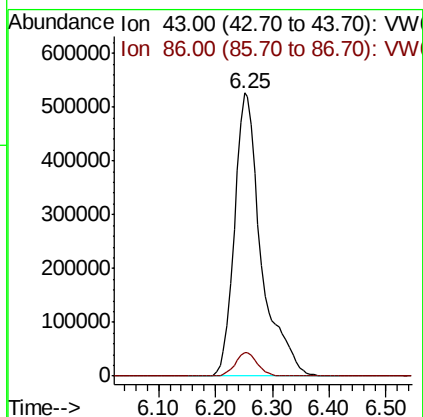
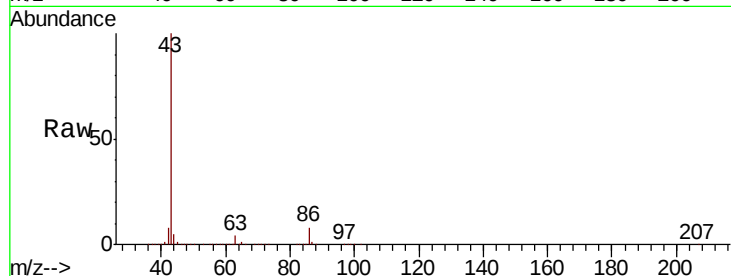
VSTDICCC050

Tgt Ion: 43 Resp: 1723898

Ion Ratio Lower Upper

43 100

86 8.1 6.5 9.7



#24

1,1-Dichloroethane

Concen: 52.929 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW012127.D

Acq: 23 Aug 2019 11:03

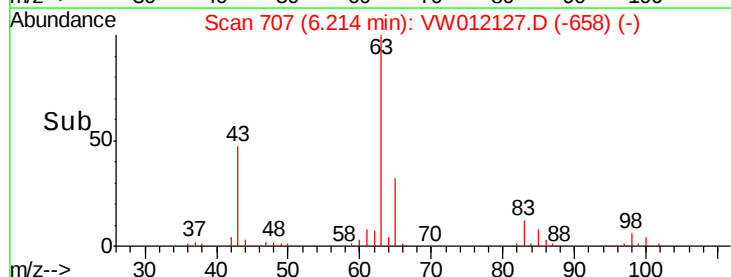
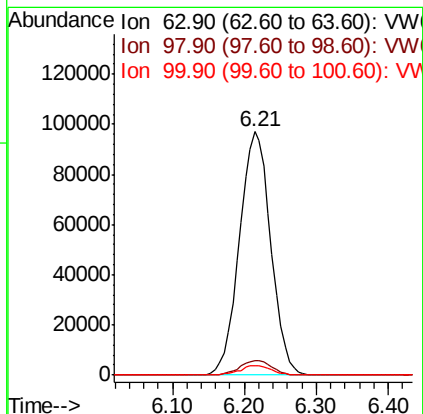
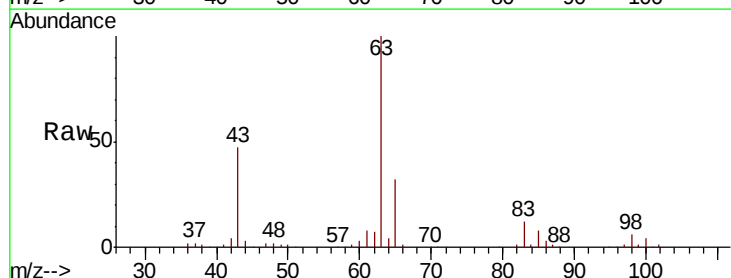
Tgt Ion: 63 Resp: 292388

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

100 4.0 2.0 6.0





#25

2-Butanone

Concen: 278.005 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW012127.D

Acq: 23 Aug 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

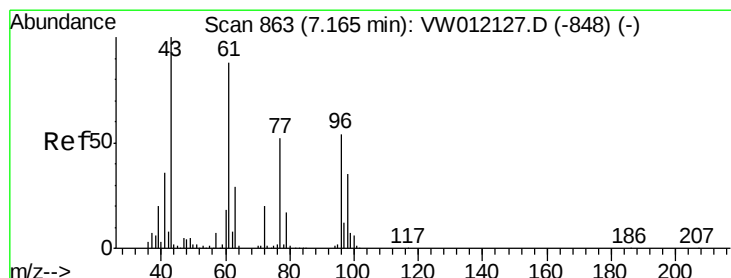
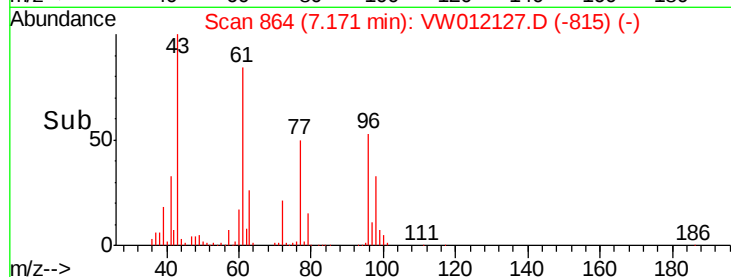
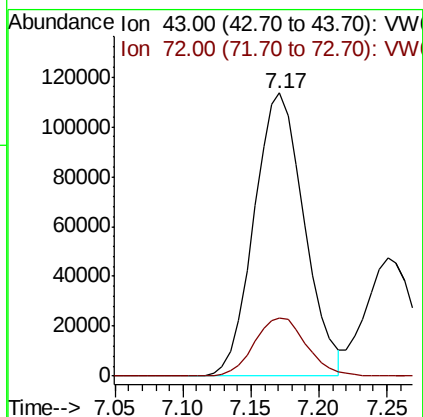
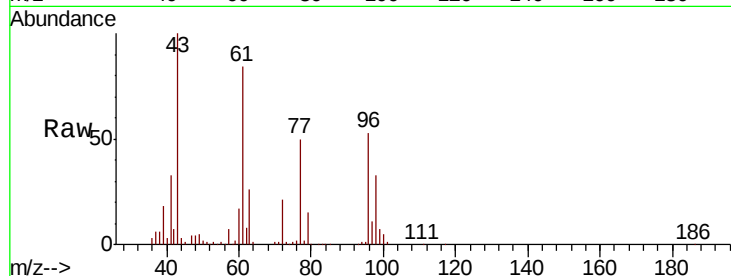
VSTDICCC050

Tgt Ion: 43 Resp: 293014

Ion Ratio Lower Upper

43 100

72 20.7 16.6 24.8



#26

2,2-Dichloropropane

Concen: 52.031 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW012127.D

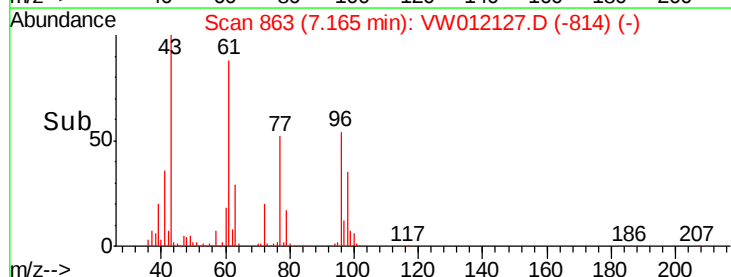
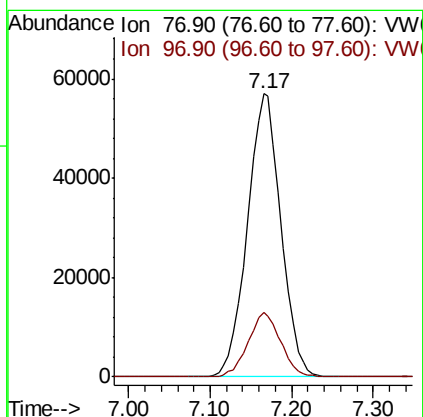
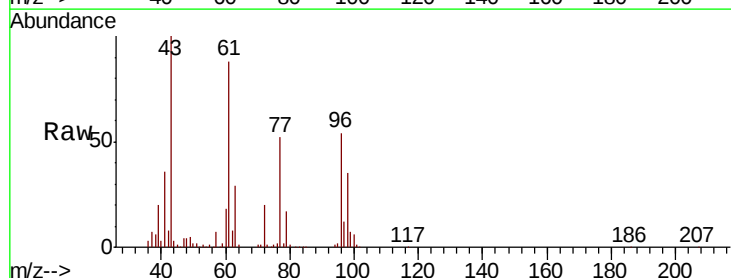
Acq: 23 Aug 2019 11:03

Tgt Ion: 77 Resp: 162685

Ion Ratio Lower Upper

77 100

97 22.1 11.1 33.1



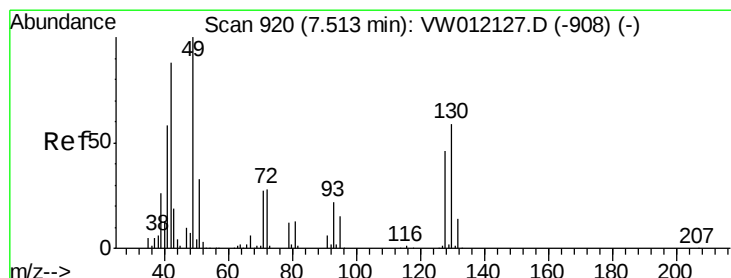
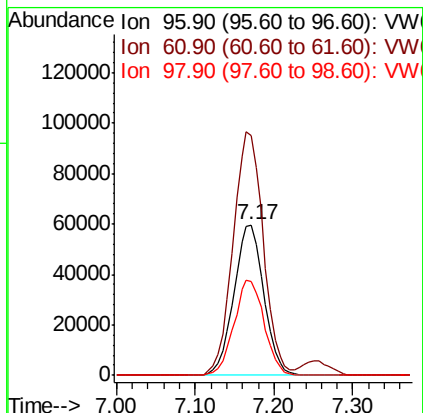
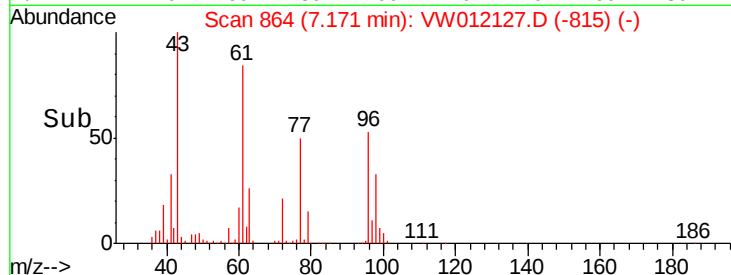
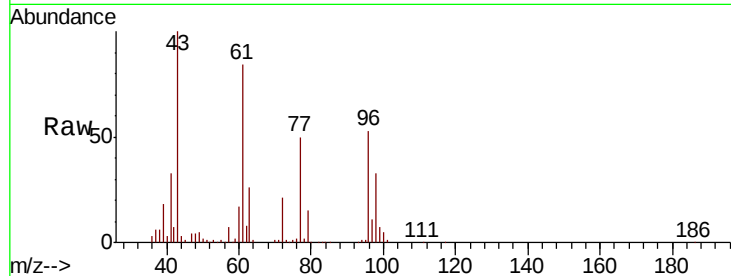


#27

cis-1,2-Dichloroethene
Concen: 53.746 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW012127.D
Acq: 23 Aug 2019 11:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

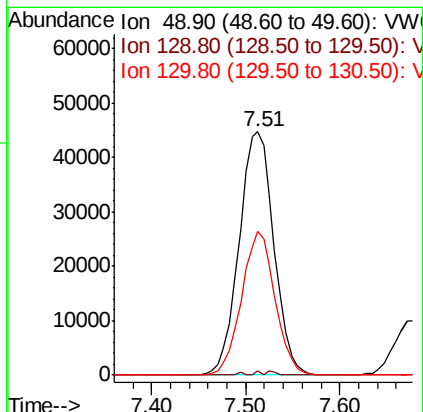
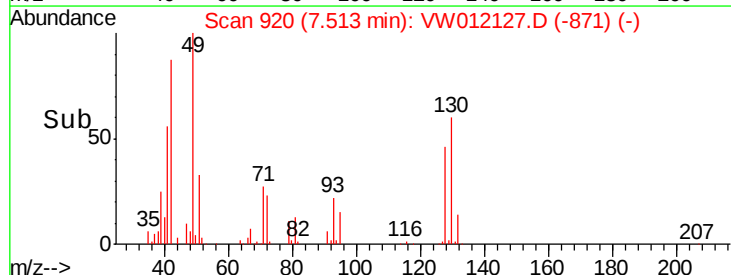
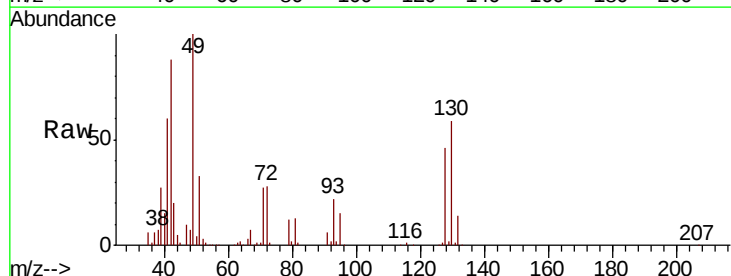
Tgt Ion: 96 Resp: 157654
Ion Ratio Lower Upper
96 100
61 163.3 0.0 326.6
98 63.7 0.0 127.4

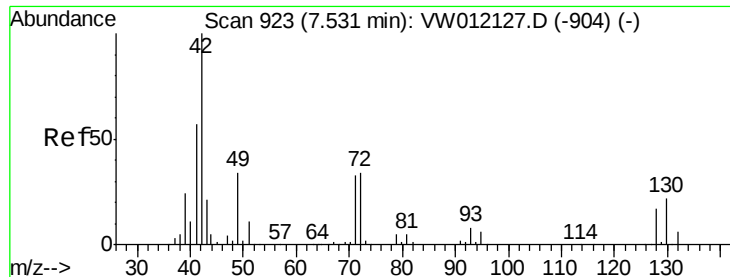


#28

Bromochloromethane
Concen: 47.788 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW012127.D
Acq: 23 Aug 2019 11:03

Tgt Ion: 49 Resp: 115057
Ion Ratio Lower Upper
49 100
129 0.7 0.0 1.4
130 56.9 45.5 68.3





#29

Tetrahydrofuran

Concen: 273.417 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW012127.D

Acq: 23 Aug 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

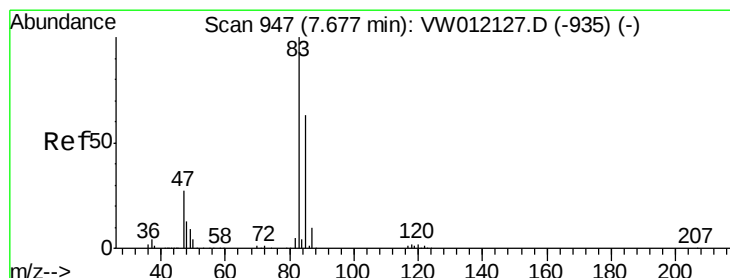
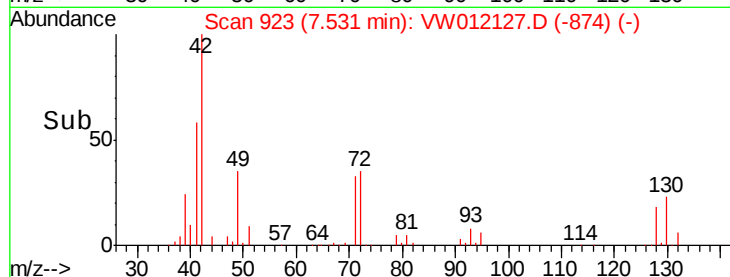
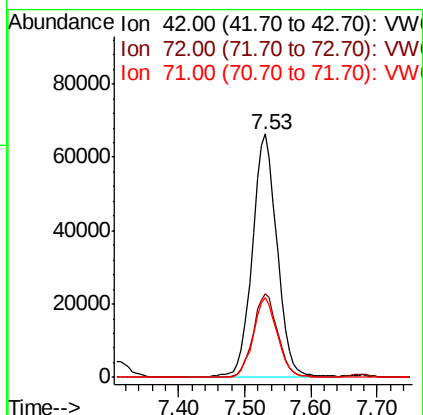
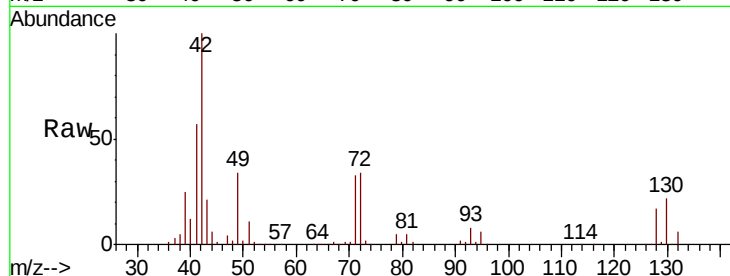
Tgt Ion: 42 Resp: 172895

Ion Ratio Lower Upper

42 100

72 34.1 27.3 40.9

71 31.9 25.5 38.3



#30

Chloroform

Concen: 52.166 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW012127.D

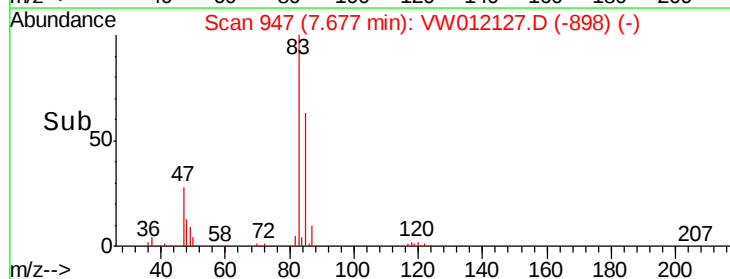
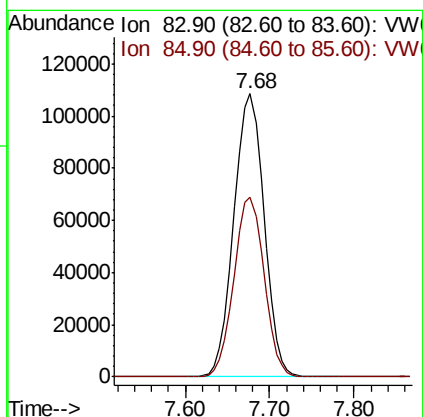
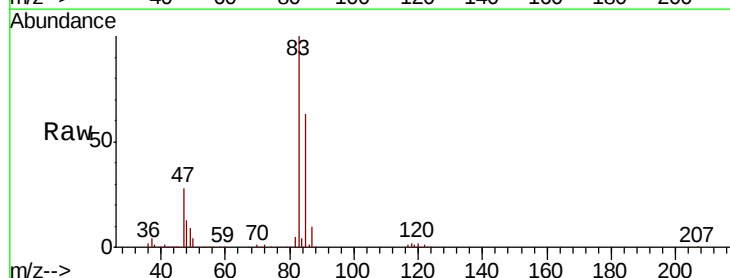
Acq: 23 Aug 2019 11:03

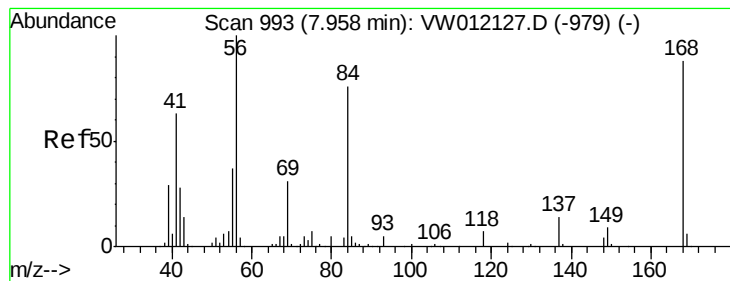
Tgt Ion: 83 Resp: 263646

Ion Ratio Lower Upper

83 100

85 63.3 50.6 76.0

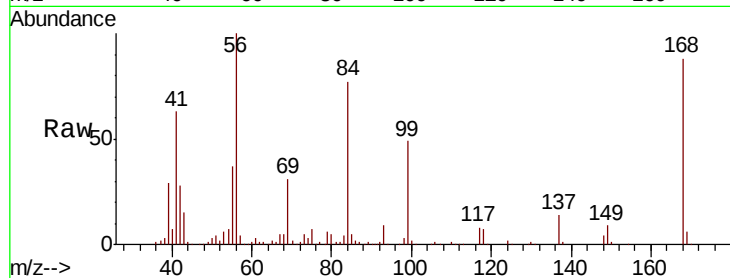




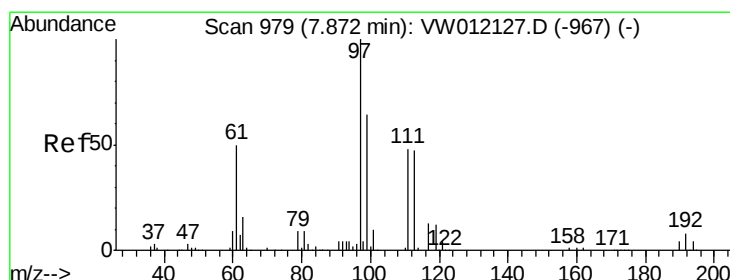
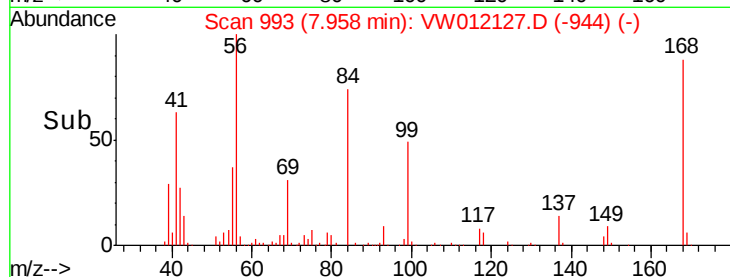
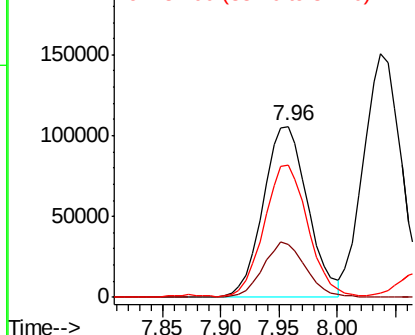
#31
Cyclohexane
Concen: 51.377 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW012127.D
Acq: 23 Aug 2019 11:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 280792
Ion Ratio Lower Upper
56 100
69 31.1 24.9 37.3
84 75.7 60.6 90.8

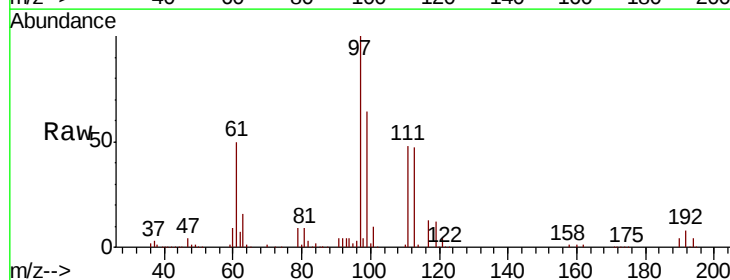


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

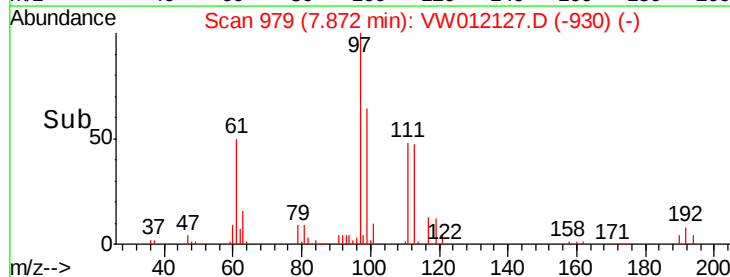
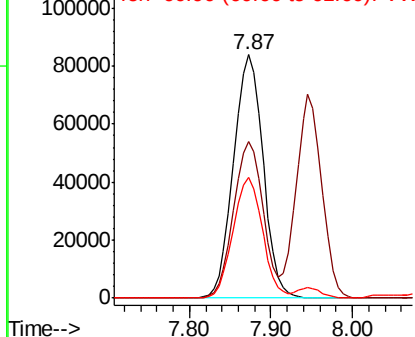


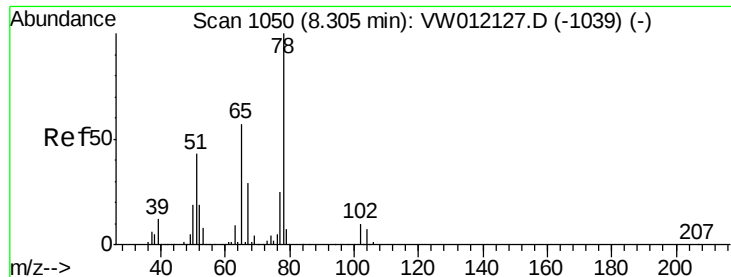
#32
1,1,1-Trichloroethane
Concen: 52.604 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW012127.D
Acq: 23 Aug 2019 11:03

Tgt Ion: 97 Resp: 210314
Ion Ratio Lower Upper
97 100
99 64.2 51.4 77.0
61 49.4 39.5 59.3



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





#33

1,2-Dichloroethane-d4

Concen: 50.488 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012127.D

Acq: 23 Aug 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

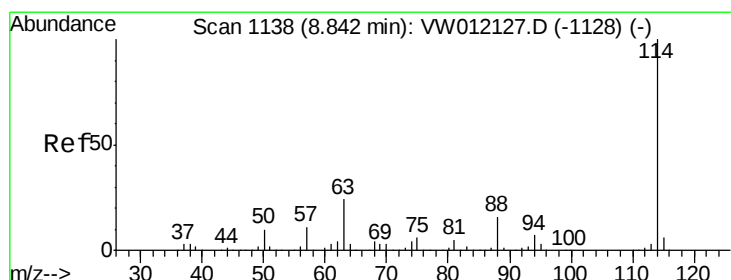
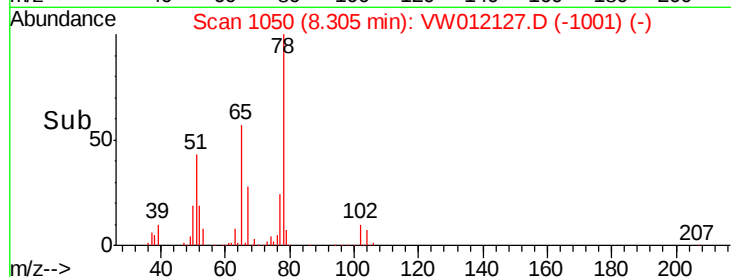
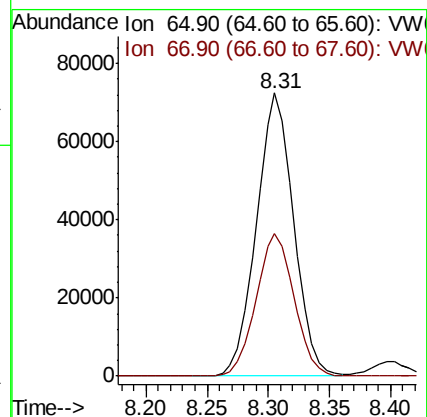
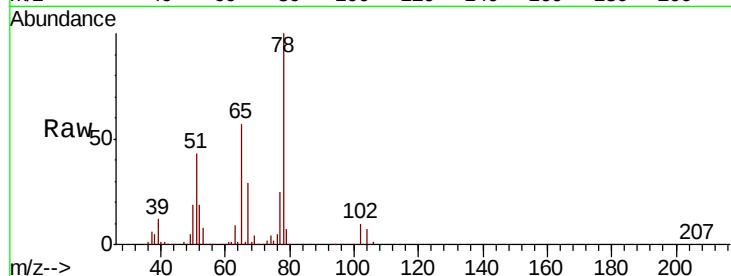
VSTDICCC050

Tgt Ion: 65 Resp: 153195

Ion Ratio Lower Upper

65 100

67 51.3 0.0 102.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW012127.D

Acq: 23 Aug 2019 11:03

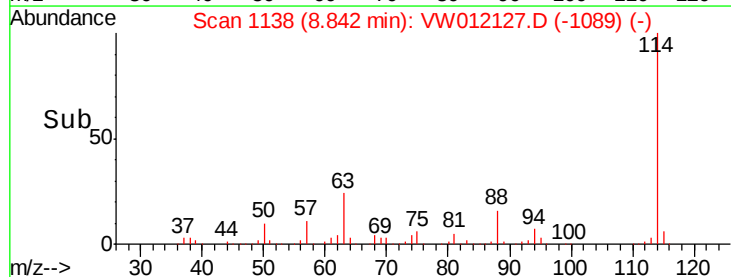
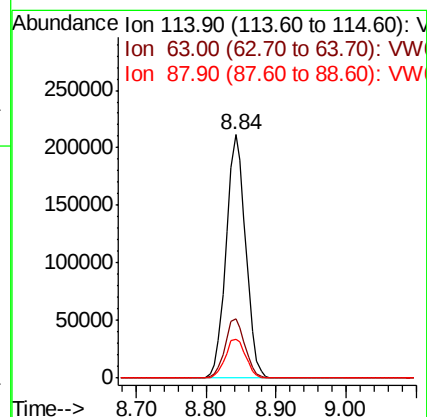
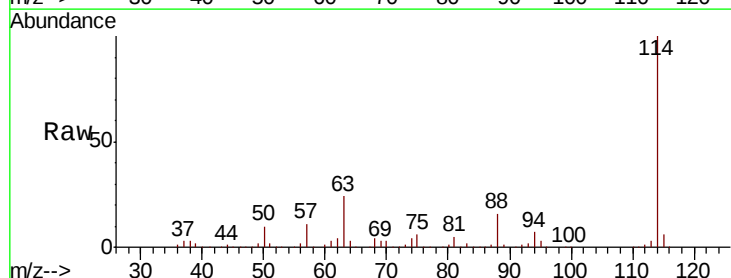
Tgt Ion: 114 Resp: 409382

Ion Ratio Lower Upper

114 100

63 24.3 0.0 48.6

88 16.1 0.0 32.2

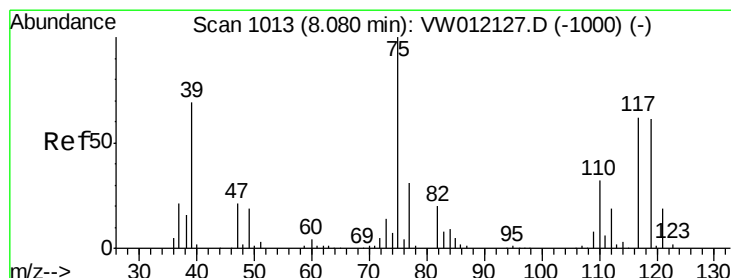
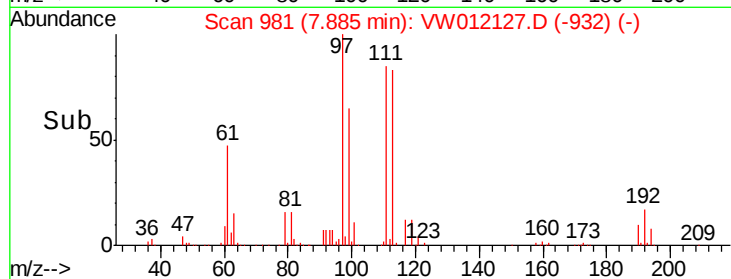
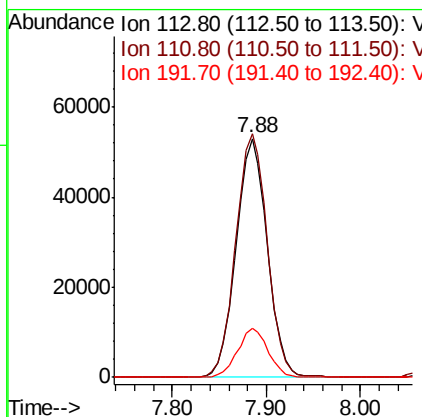
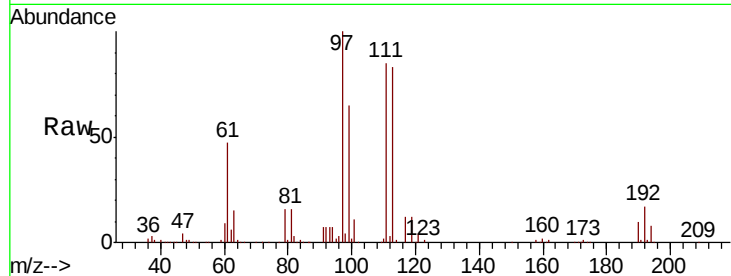




#35
 Dibromofluoromethane
 Concen: 50.079 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012127.D
 Acq: 23 Aug 2019 11:03

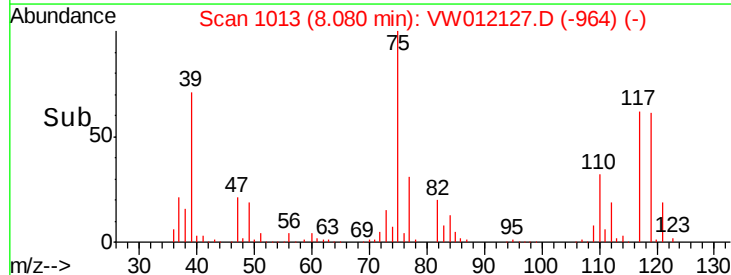
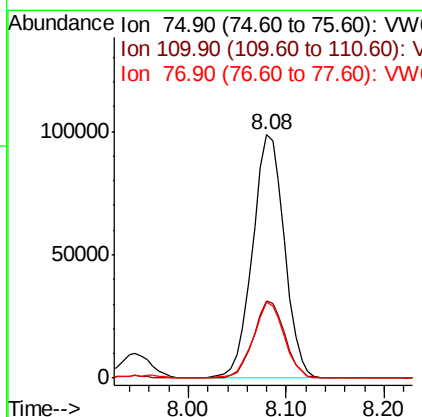
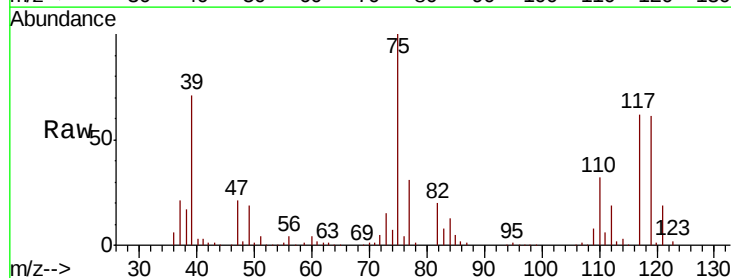
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

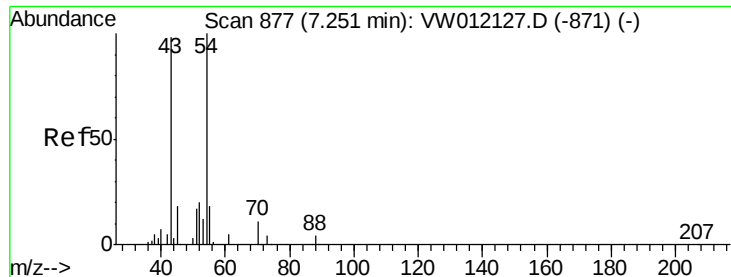
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.7	124.1
192	20.2	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 52.934 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW012127.D
 Acq: 23 Aug 2019 11:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.2	15.6	46.8
77	30.7	24.6	36.8

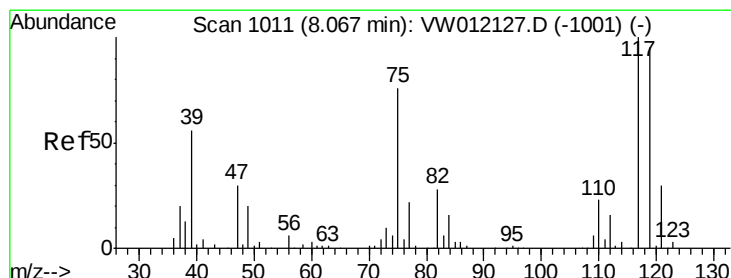
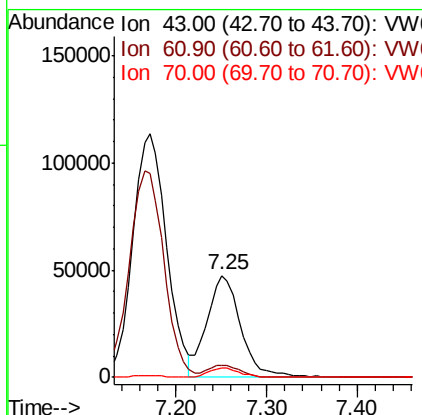
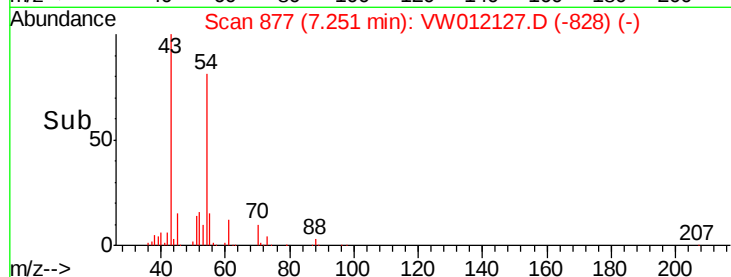
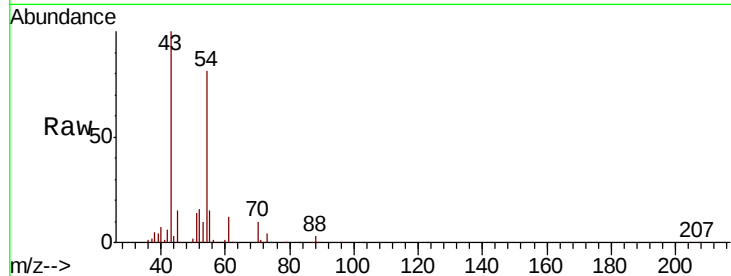




#37
Ethyl Acetate
Concen: 52.851 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW012127.D
Acq: 23 Aug 2019 11:03

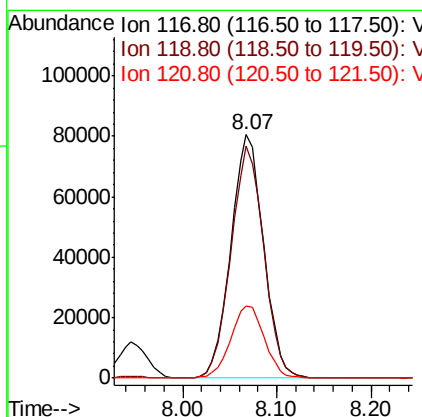
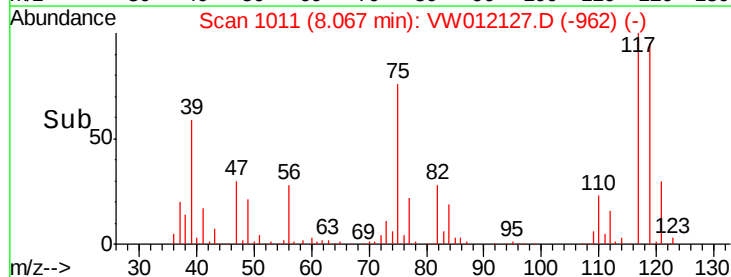
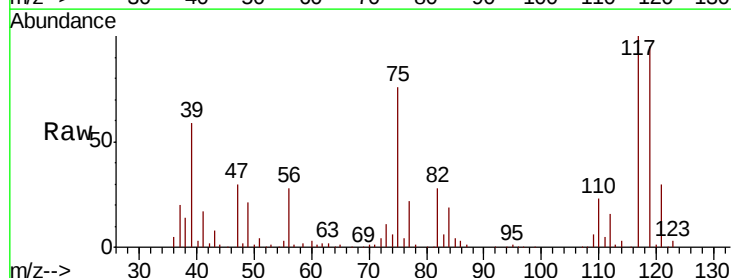
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

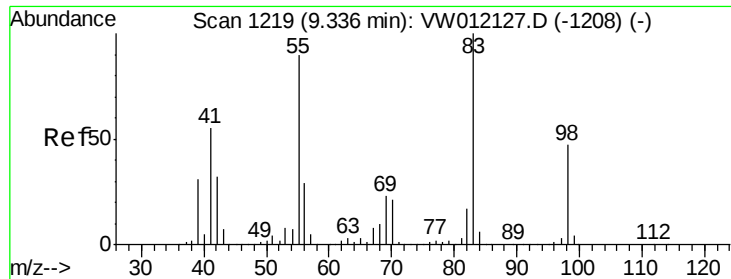
Tgt Ion: 43 Resp: 122521
Ion Ratio Lower Upper
43 100
61 11.5 9.2 13.8
70 8.6 6.9 10.3



#38
Carbon Tetrachloride
Concen: 52.898 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW012127.D
Acq: 23 Aug 2019 11:03

Tgt Ion: 117 Resp: 193689
Ion Ratio Lower Upper
117 100
119 95.2 76.2 114.2
121 29.8 23.8 35.8

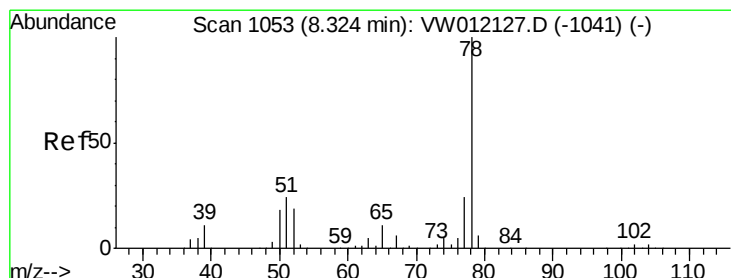
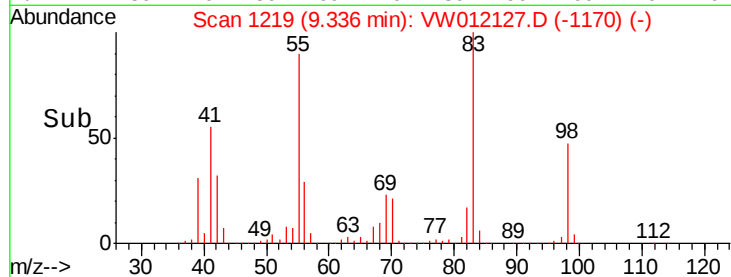
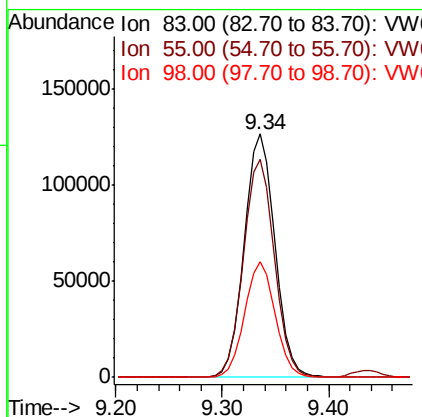
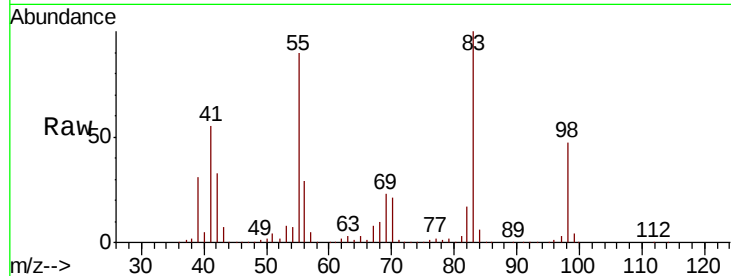




#39
Methylcyclohexane
Concen: 54.244 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW012127.D
Acq: 23 Aug 2019 11:03

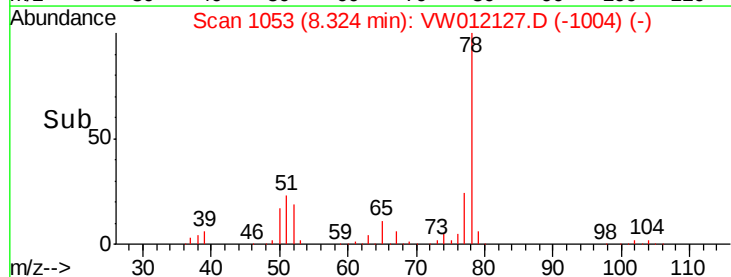
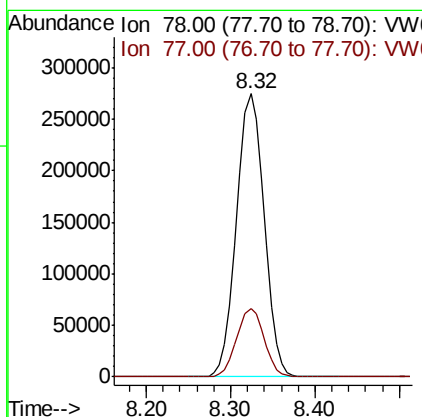
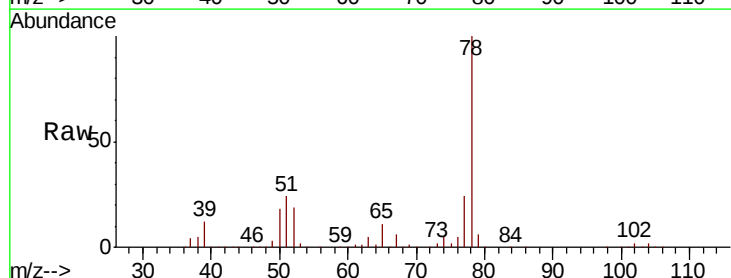
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 257799
Ion Ratio Lower Upper
83 100
55 89.8 71.8 107.8
98 47.3 37.8 56.8



#40
Benzene
Concen: 52.786 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW012127.D
Acq: 23 Aug 2019 11:03

Tgt Ion: 78 Resp: 609771
Ion Ratio Lower Upper
78 100
77 24.4 19.5 29.3

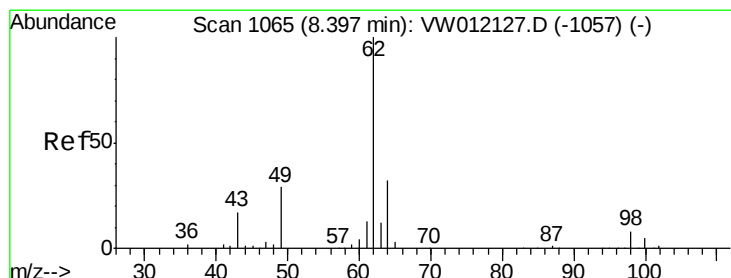
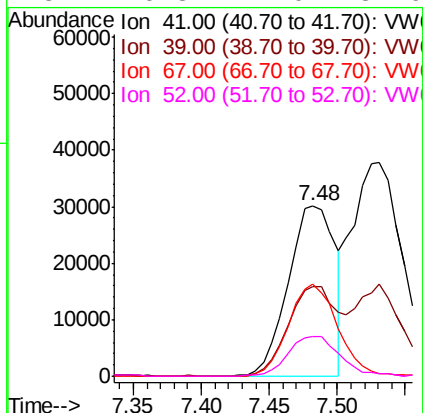
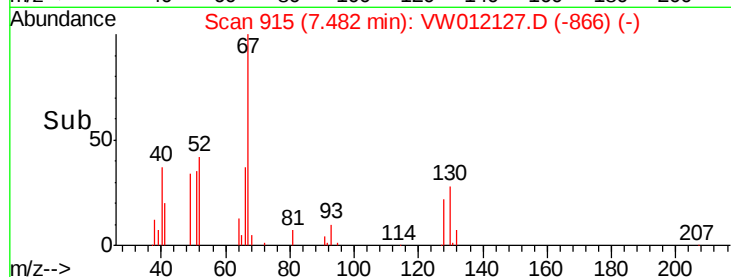
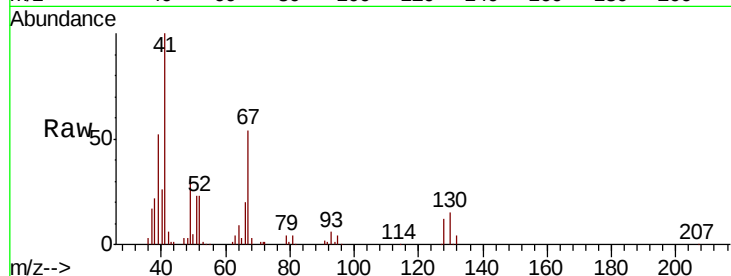




#41
Methacrylonitrile
Concen: 52.841 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW012127.D
Acq: 23 Aug 2019 11:03

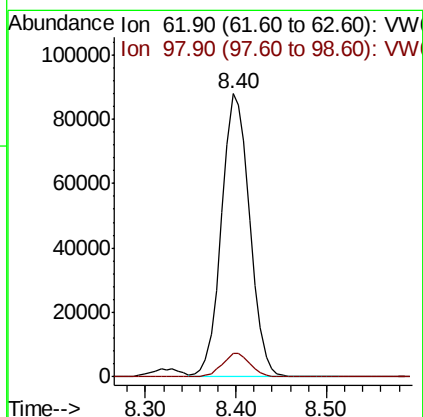
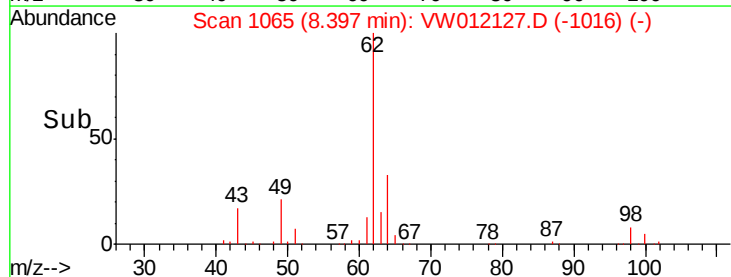
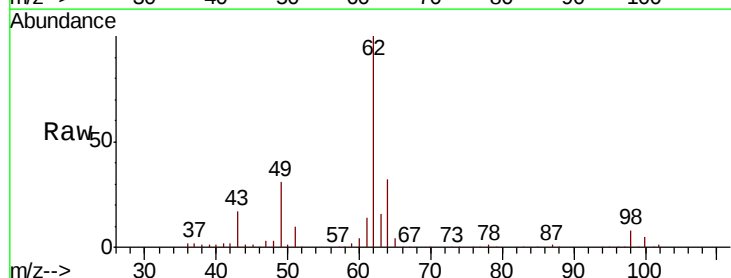
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

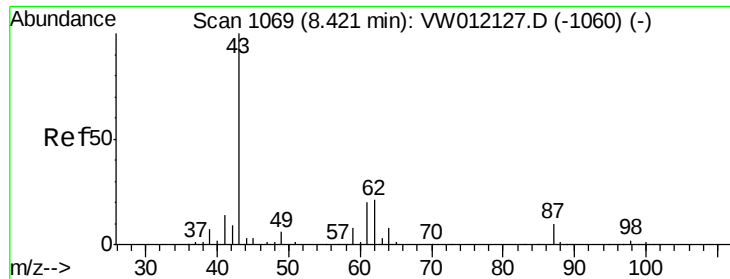
Tgt Ion:	41	Resp:	71996
Ion	Ratio	Lower	Upper
41	100		
39	57.3	45.8	68.8
67	57.8	46.2	69.4
52	26.3	21.0	31.6



#42
1,2-Dichloroethane
Concen: 52.579 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW012127.D
Acq: 23 Aug 2019 11:03

Tgt Ion:	62	Resp:	190356
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.6





#43

Isopropyl Acetate

Concen: 53.101 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW012127.D

Acq: 23 Aug 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

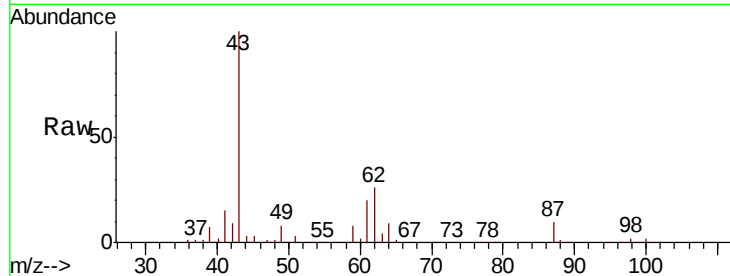
Tgt Ion: 43 Resp: 228021

Ion Ratio Lower Upper

43 100

61 26.4 21.1 31.7

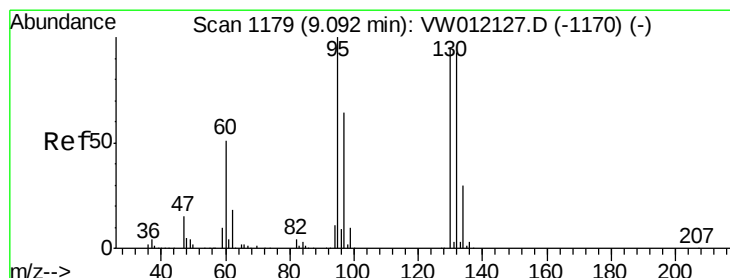
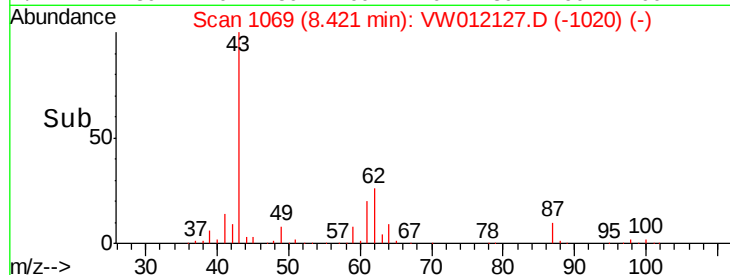
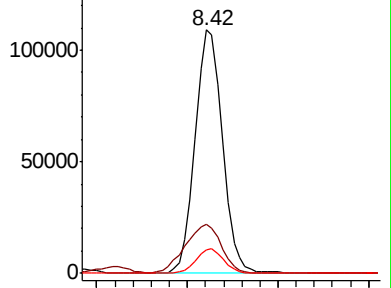
87 10.2 8.2 12.2



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: 52.479 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW012127.D

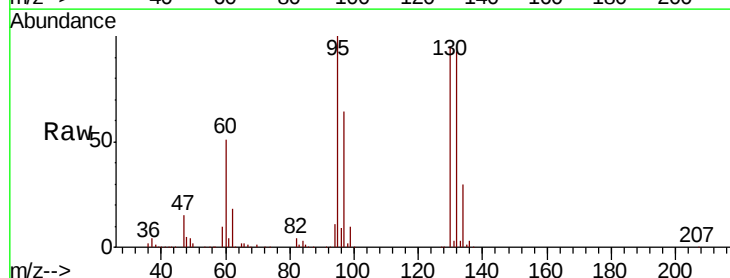
Acq: 23 Aug 2019 11:03

Tgt Ion: 130 Resp: 147371

Ion Ratio Lower Upper

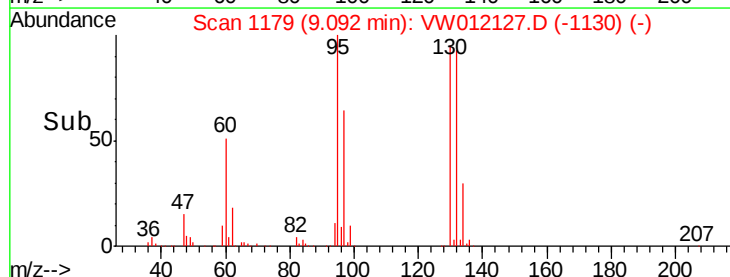
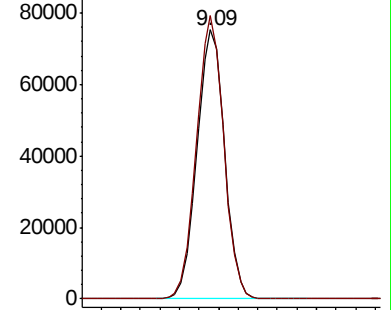
130 100

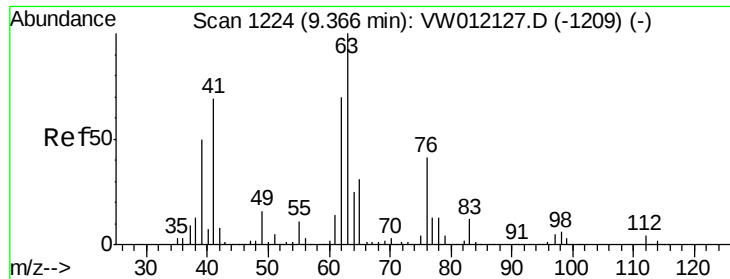
95 105.3 0.0 210.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

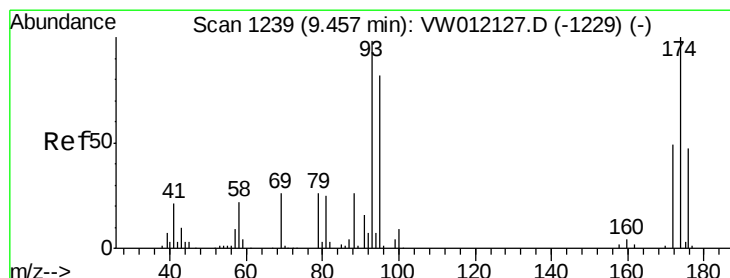
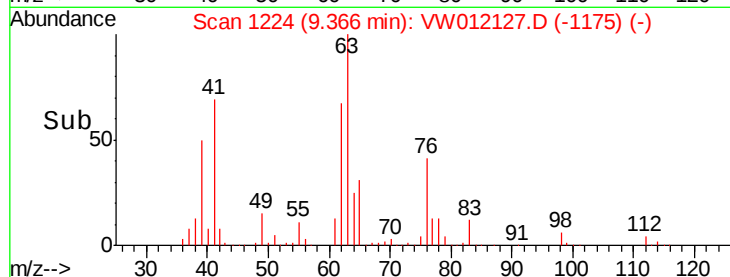
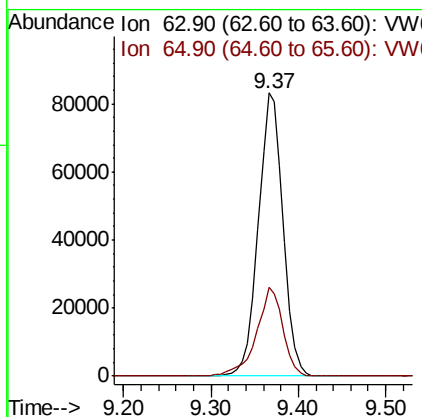
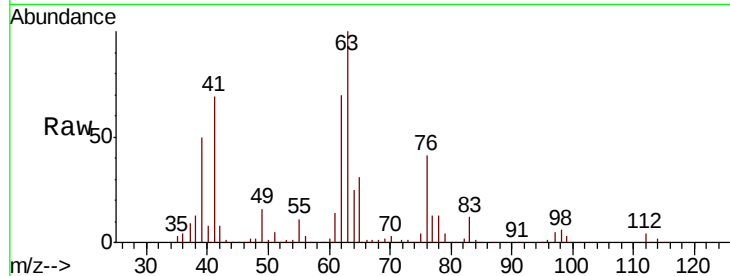




#45
 1,2-Dichloropropane
 Concen: 52.494 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW012127.D
 Acq: 23 Aug 2019 11:03

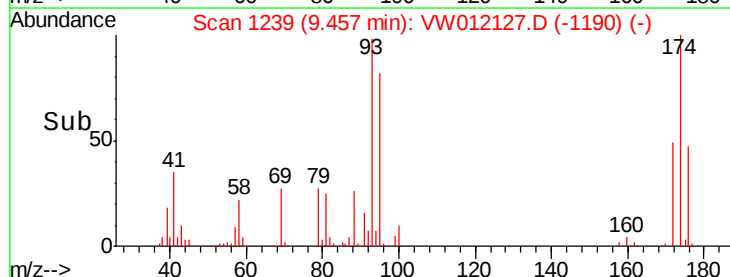
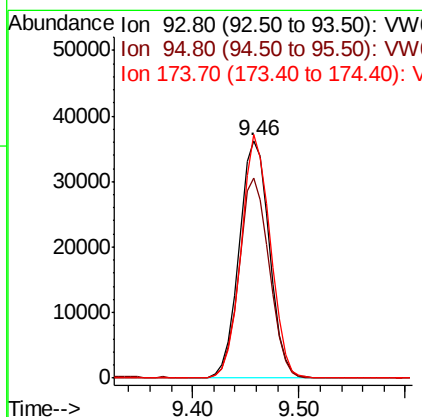
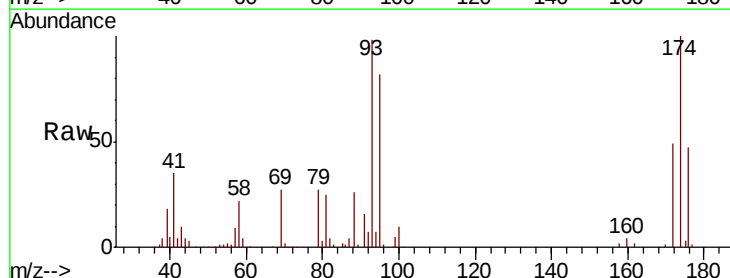
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 63 Resp: 163200
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.0 37.4



#46
 Dibromomethane
 Concen: 52.307 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW012127.D
 Acq: 23 Aug 2019 11:03

Tgt Ion: 93 Resp: 72353
 Ion Ratio Lower Upper
 93 100
 95 84.0 67.2 100.8
 174 98.8 79.0 118.6





#47

Bromodichloromethane

Concen: 53.296 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW012127.D

Acq: 23 Aug 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

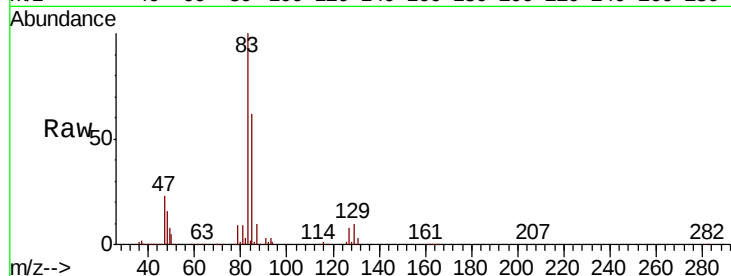
Tgt Ion: 83 Resp: 196204

Ion Ratio Lower Upper

83 100

85 61.8 49.4 74.2

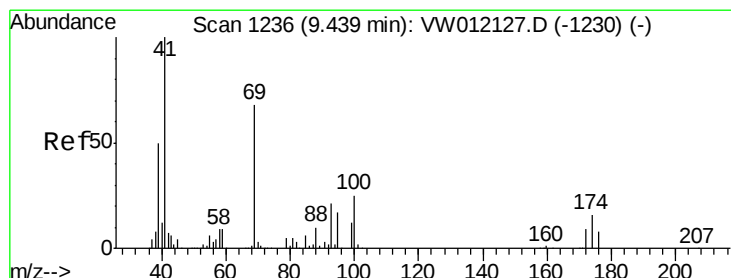
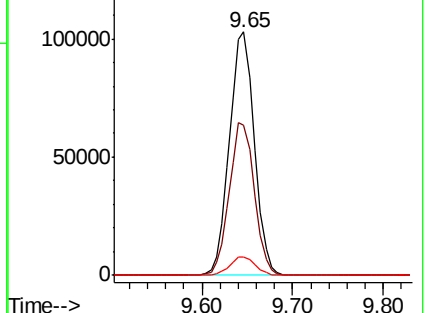
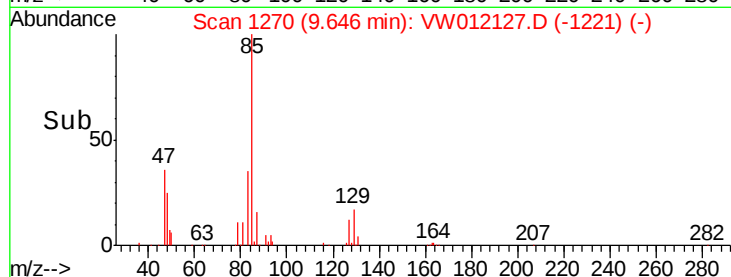
127 7.6 6.1 9.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 54.711 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW012127.D

Acq: 23 Aug 2019 11:03

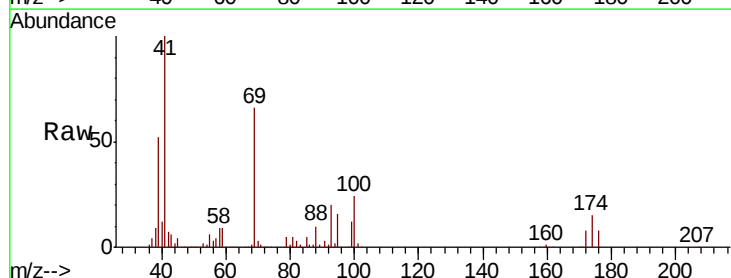
Tgt Ion: 41 Resp: 111817

Ion Ratio Lower Upper

41 100

69 70.9 56.7 85.1

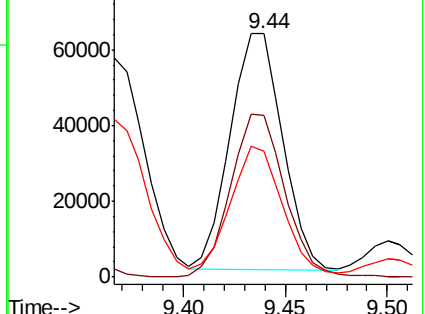
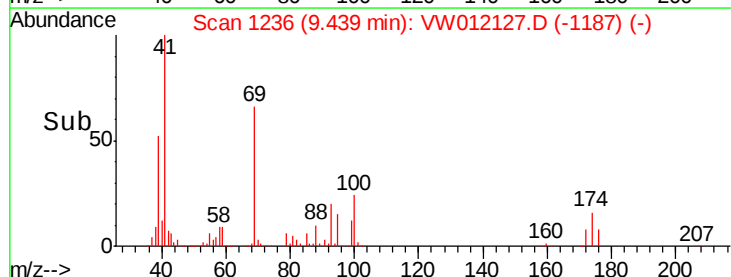
39 52.5 42.0 63.0

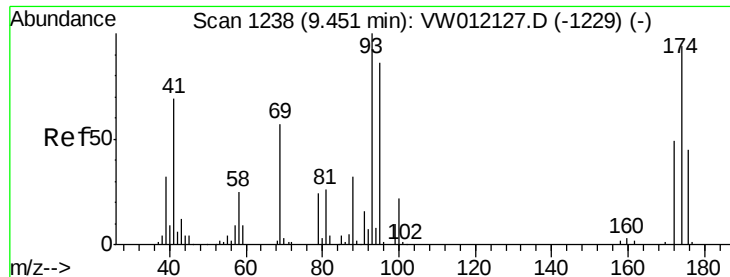


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

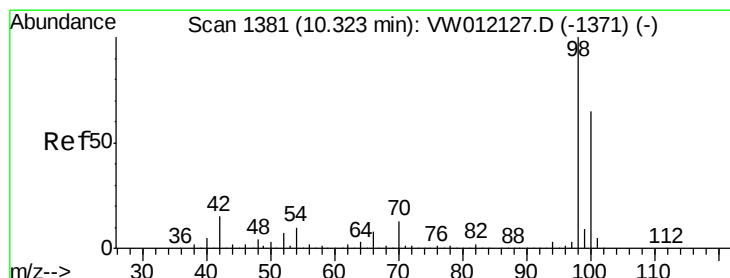
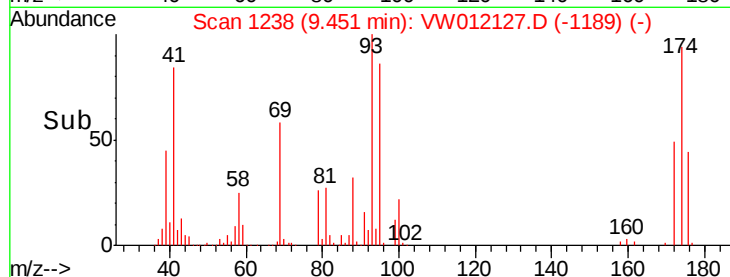
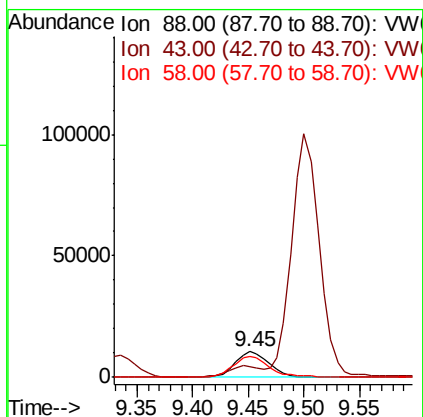
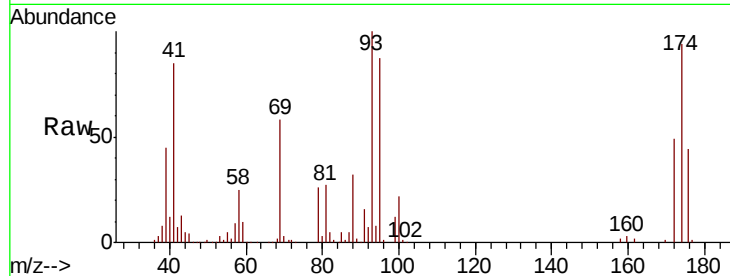




#49
1,4-Dioxane
Concen: 1056.299 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.00 min
Lab File: VW012127.D
Acq: 23 Aug 2019 11:03

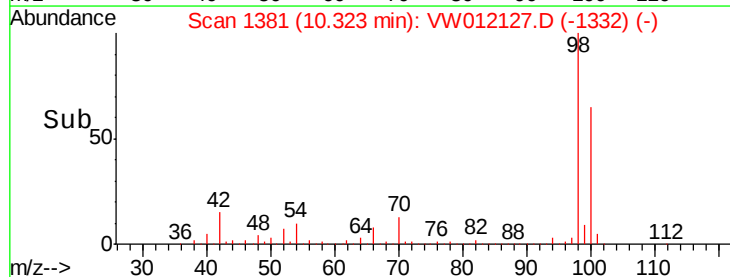
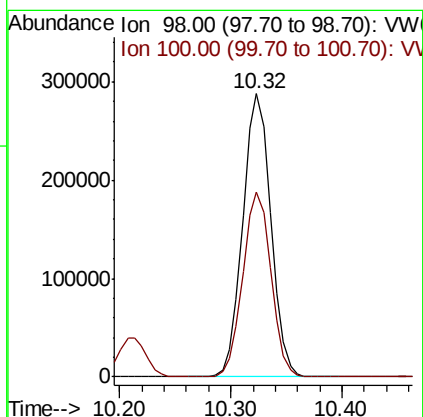
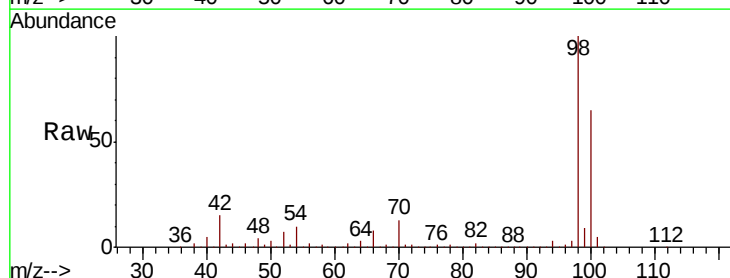
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 22368
Ion Ratio Lower Upper
88 100
43 41.1 32.9 49.3
58 88.7 71.0 106.4



#50
Toluene-d8
Concen: 50.884 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012127.D
Acq: 23 Aug 2019 11:03

Tgt Ion: 98 Resp: 504168
Ion Ratio Lower Upper
98 100
100 65.5 52.4 78.6

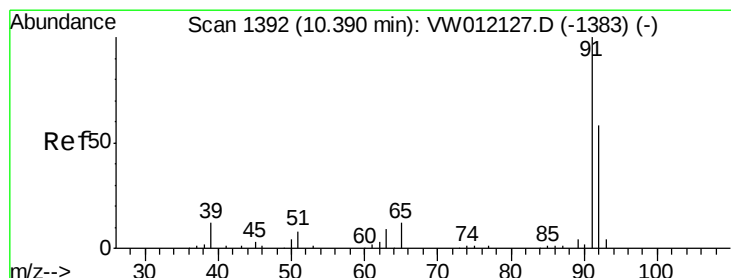
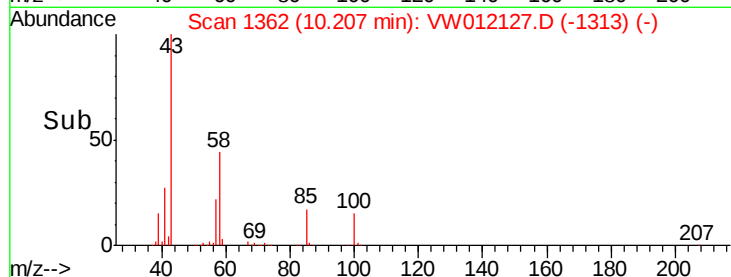
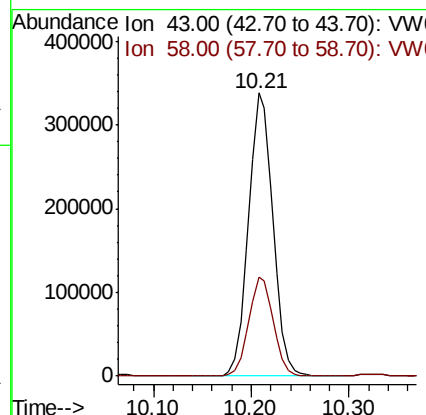
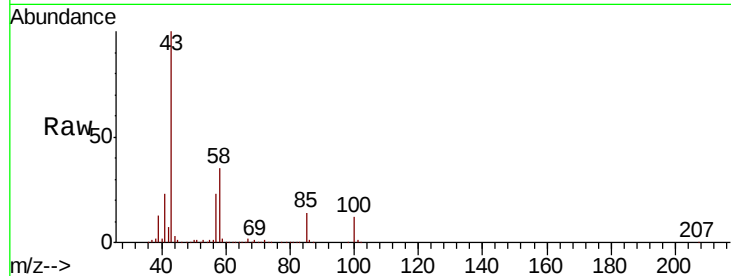




#51
 4-Methyl-2-Pentanone
 Concen: 267.249 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW012127.D
 Acq: 23 Aug 2019 11:03

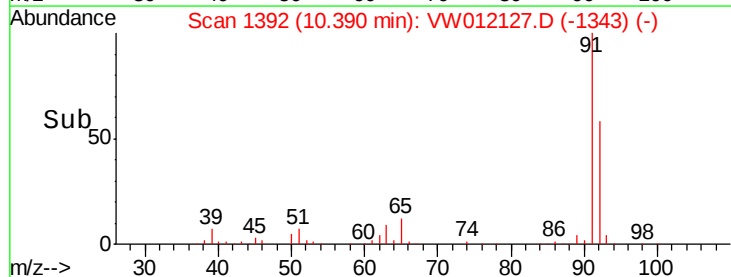
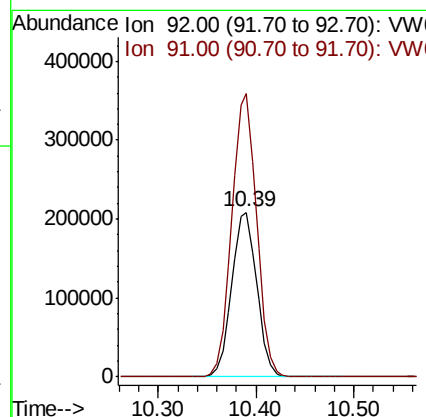
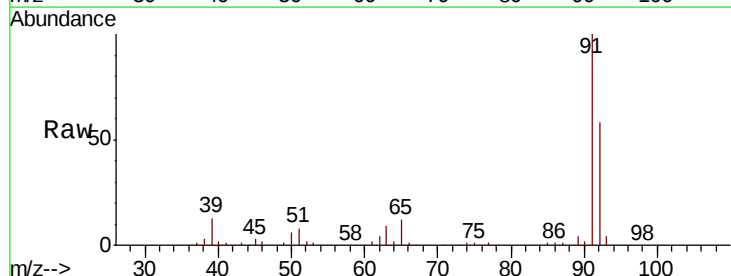
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

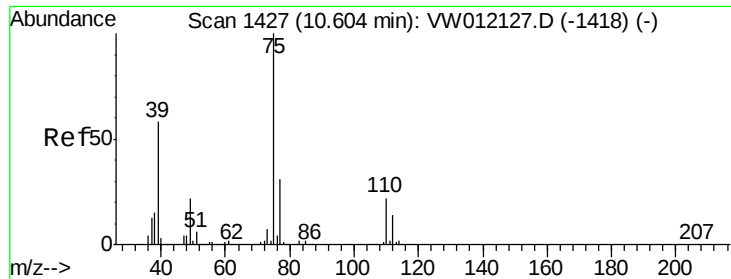
Tgt Ion: 43 Resp: 583704
 Ion Ratio Lower Upper
 43 100
 58 35.2 28.2 42.2



#52
 Toluene
 Concen: 53.236 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW012127.D
 Acq: 23 Aug 2019 11:03

Tgt Ion: 92 Resp: 369437
 Ion Ratio Lower Upper
 92 100
 91 170.7 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 54.648 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW012127.D

Acq: 23 Aug 2019 11:03

Instrument :

MSVOA_W

ClientSampled :

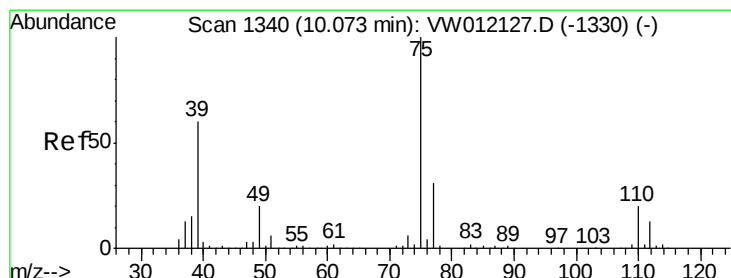
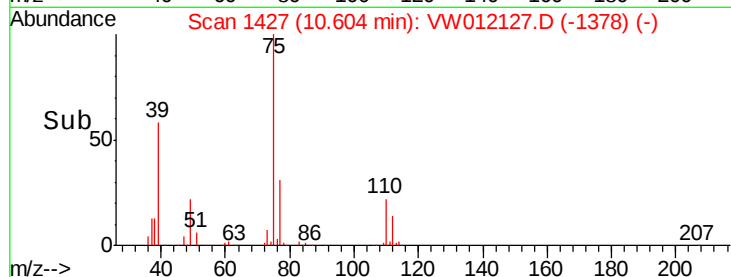
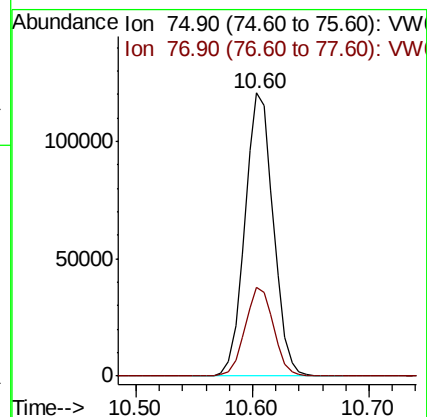
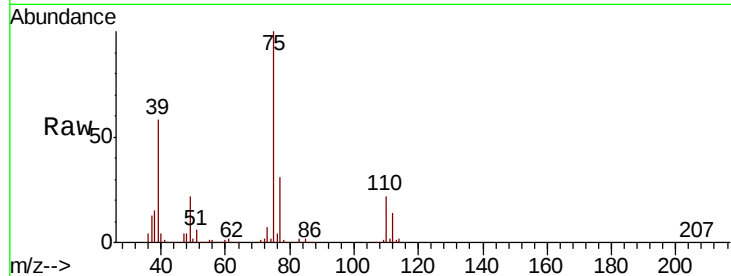
VSTDICCC050

Tgt Ion: 75 Resp: 204928

Ion Ratio Lower Upper

75 100

77 31.2 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 53.963 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW012127.D

Acq: 23 Aug 2019 11:03

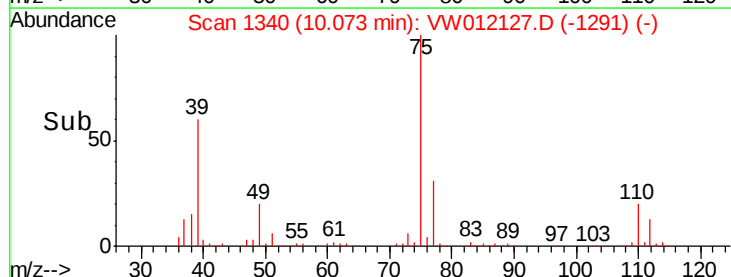
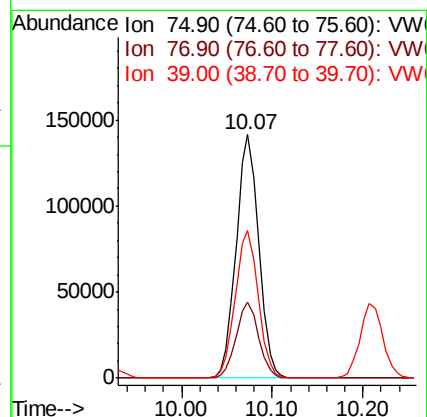
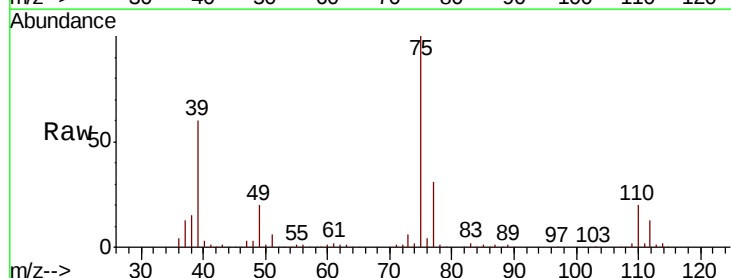
Tgt Ion: 75 Resp: 244337

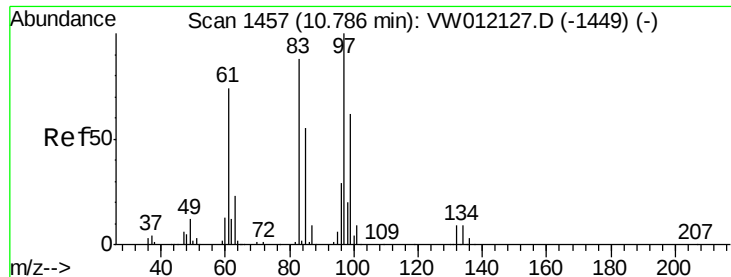
Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7

39 60.4 48.3 72.5





#55

1,1,2-Trichloroethane

Concen: 52.060 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW012127.D

Acq: 23 Aug 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 97 Resp: 101886

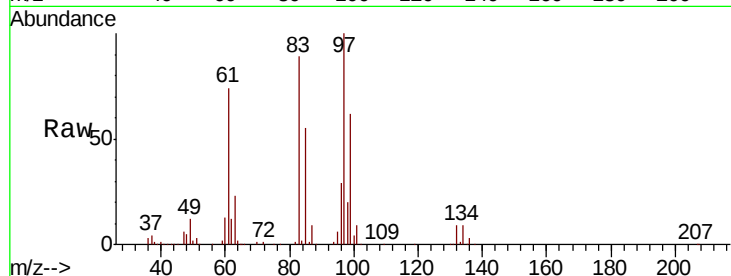
Ion Ratio Lower Upper

97 100

83 88.5 70.8 106.2

85 54.8 43.8 65.8

99 62.2 49.8 74.6



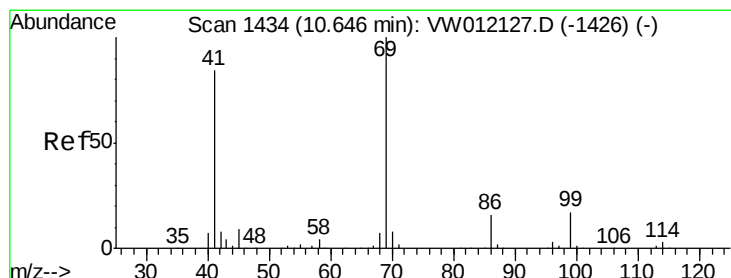
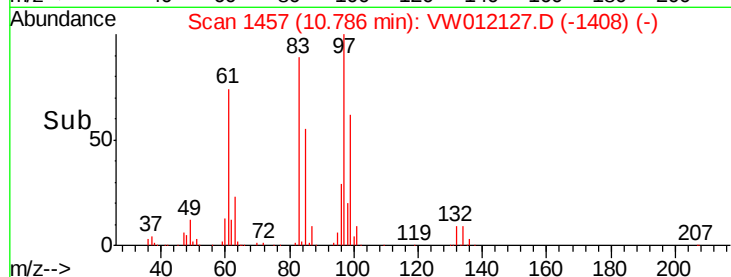
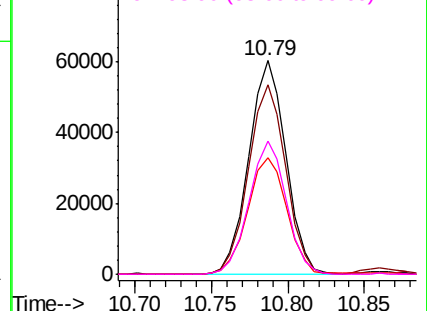
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 54.558 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW012127.D

Acq: 23 Aug 2019 11:03

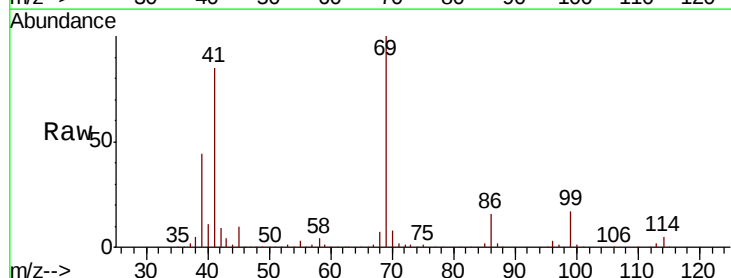
Tgt Ion: 69 Resp: 155402

Ion Ratio Lower Upper

69 100

41 83.1 66.5 99.7

39 38.7 31.0 46.4

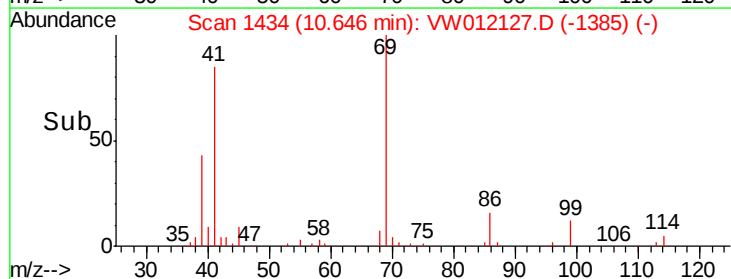
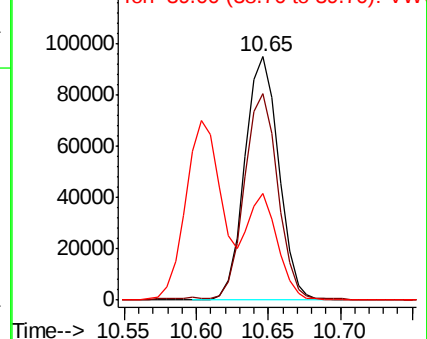


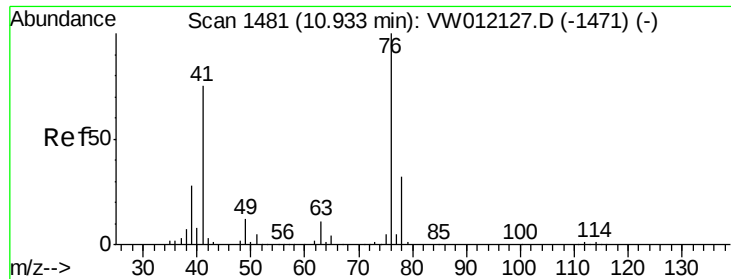
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 52.748 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW012127.D

Acq: 23 Aug 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

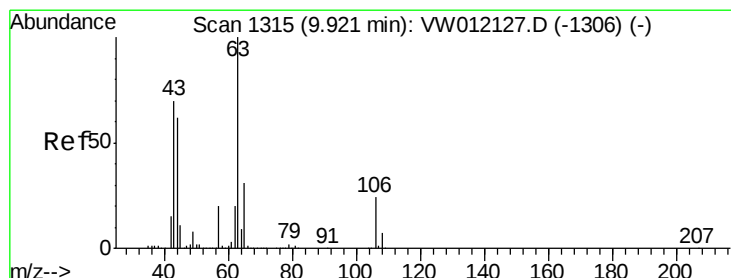
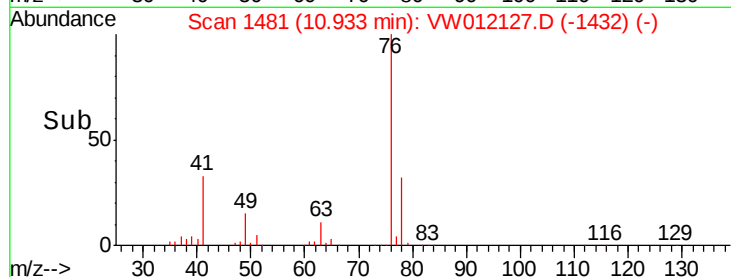
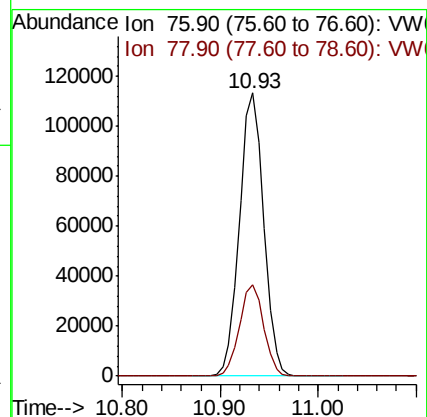
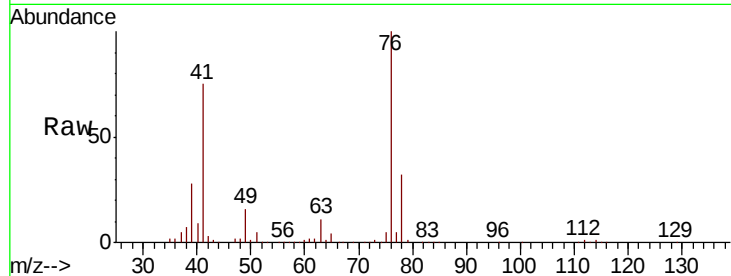
VSTDICCC050

Tgt Ion: 76 Resp: 195085

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 247.029 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW012127.D

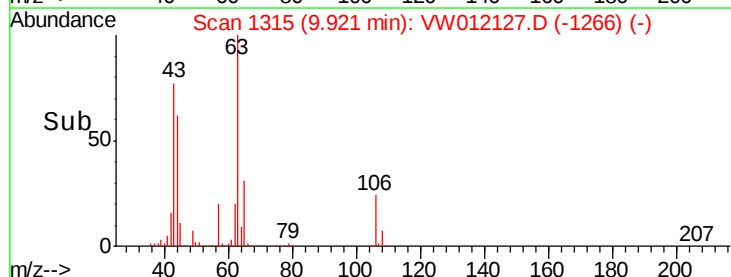
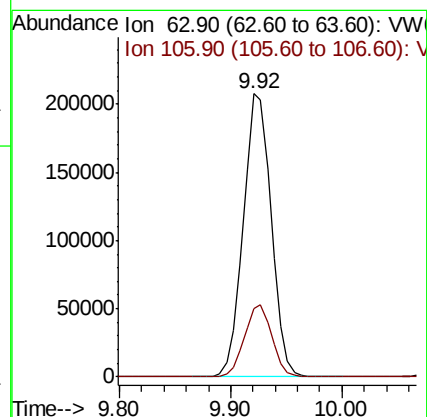
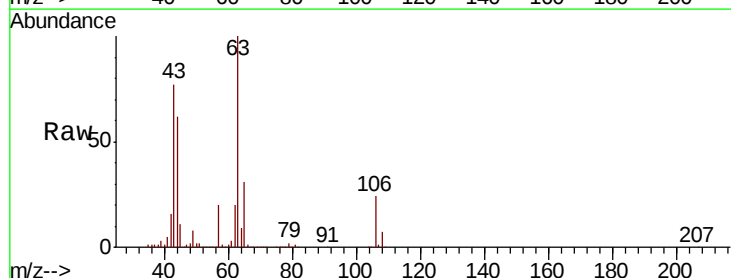
Acq: 23 Aug 2019 11:03

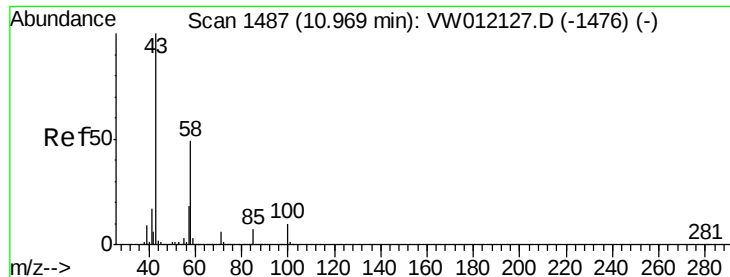
Tgt Ion: 63 Resp: 361121

Ion Ratio Lower Upper

63 100

106 24.8 19.8 29.8

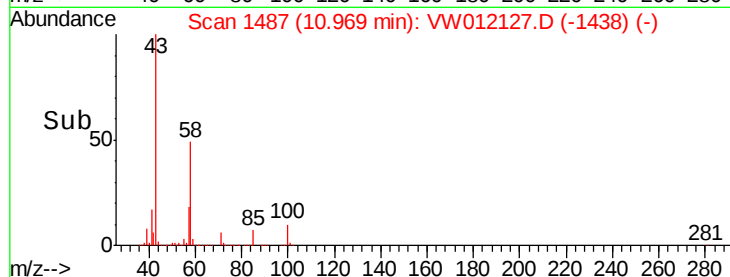
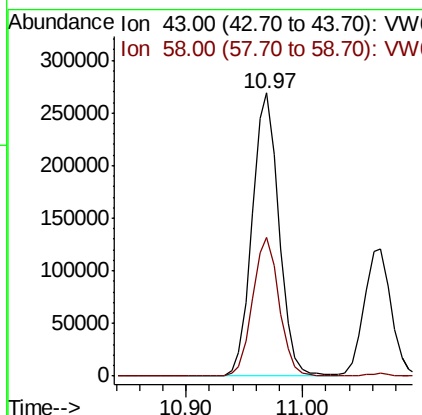
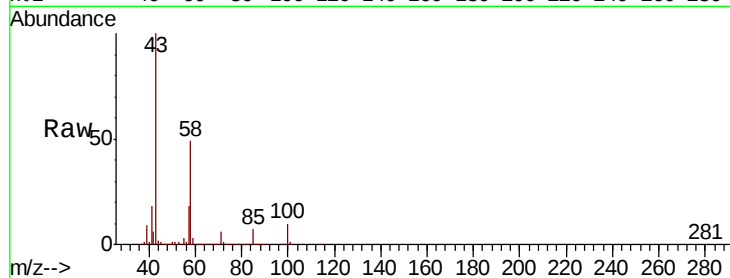




#59
2-Hexanone
Concen: 279.868 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW012127.D
Acq: 23 Aug 2019 11:03

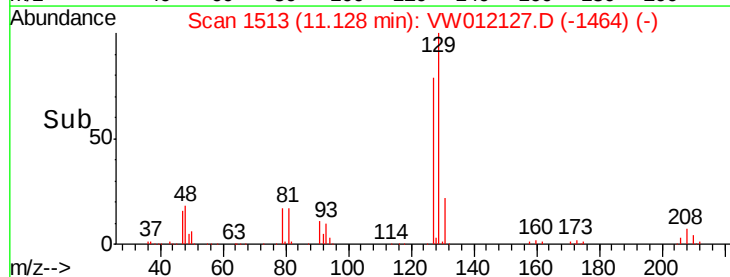
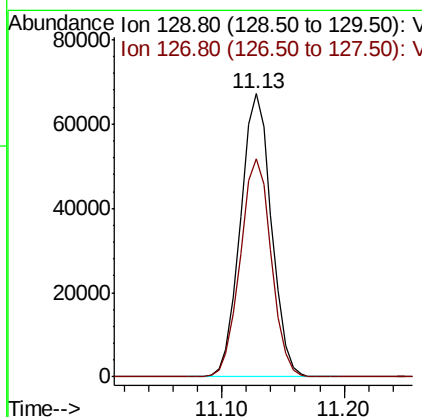
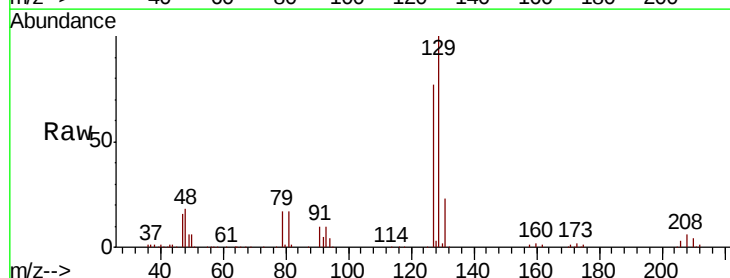
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 432509
Ion Ratio Lower Upper
43 100
58 48.6 24.3 72.9



#60
Dibromochloromethane
Concen: 53.975 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW012127.D
Acq: 23 Aug 2019 11:03

Tgt Ion: 129 Resp: 117658
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8

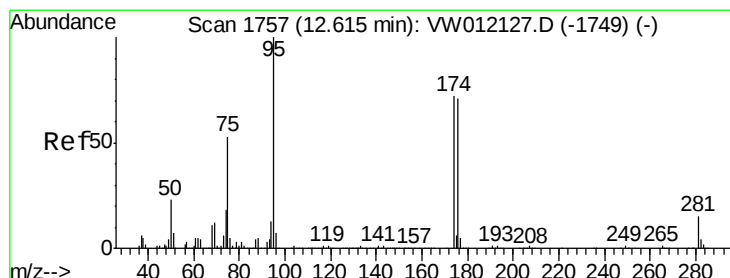
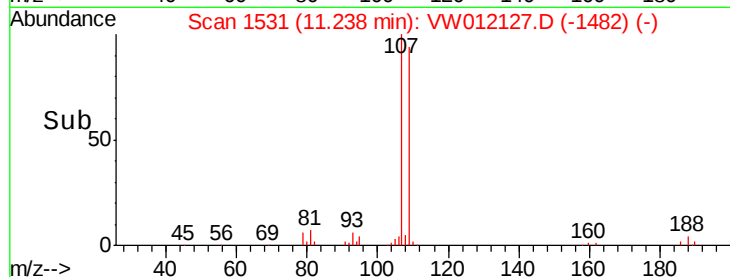
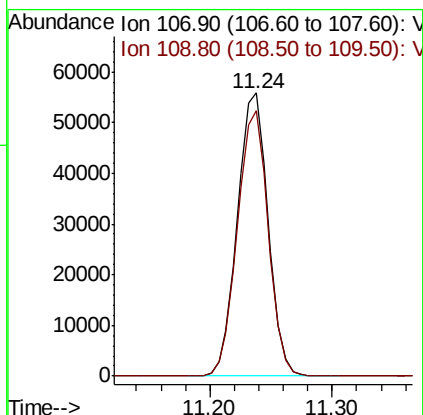
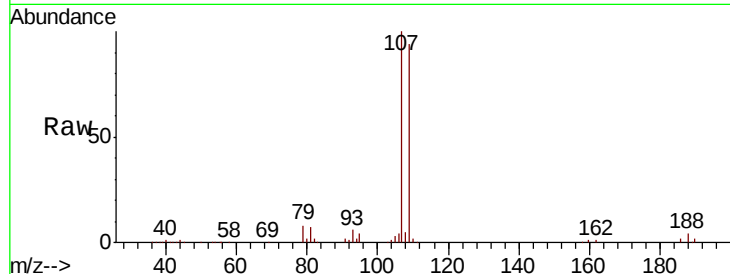




#61
 1,2-Dibromoethane
 Concen: 53.286 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW012127.D
 Acq: 23 Aug 2019 11:03

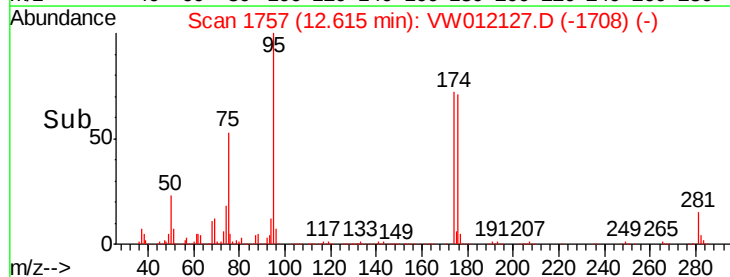
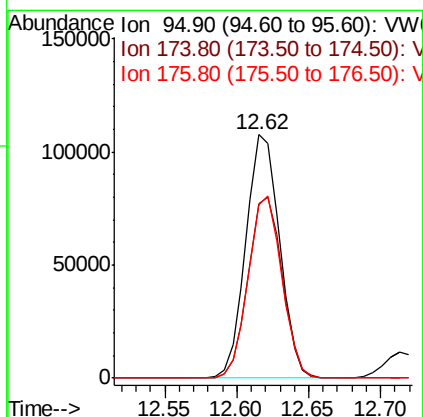
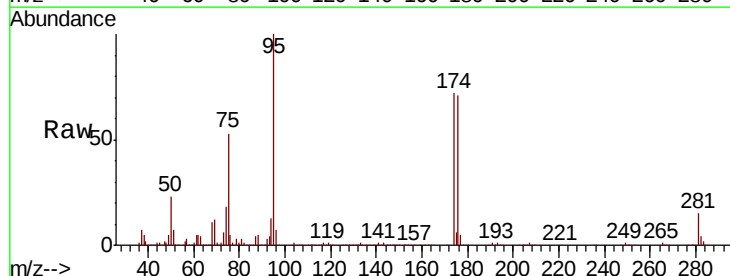
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

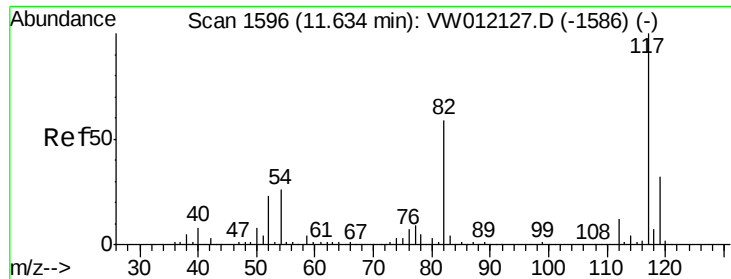
Tgt Ion: 107 Resp: 97155
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 49.805 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW012127.D
 Acq: 23 Aug 2019 11:03

Tgt Ion: 95 Resp: 173949
 Ion Ratio Lower Upper
 95 100
 174 75.4 0.0 150.8
 176 74.3 0.0 148.6

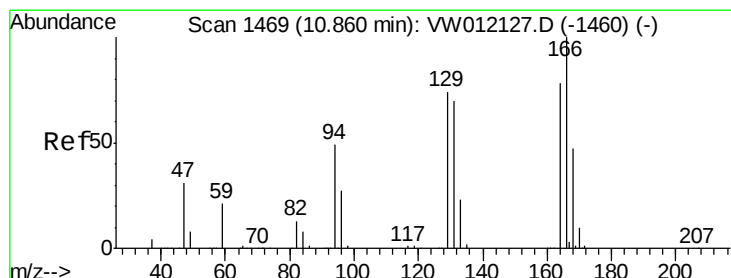
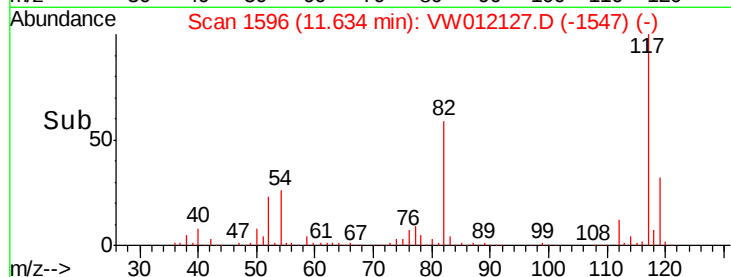
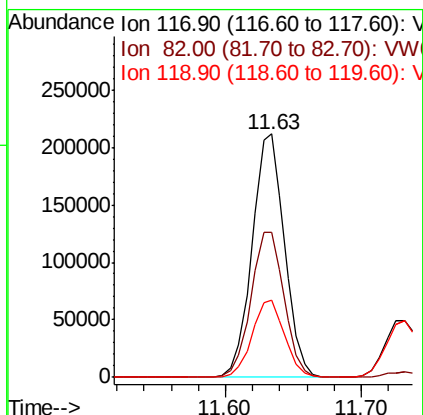
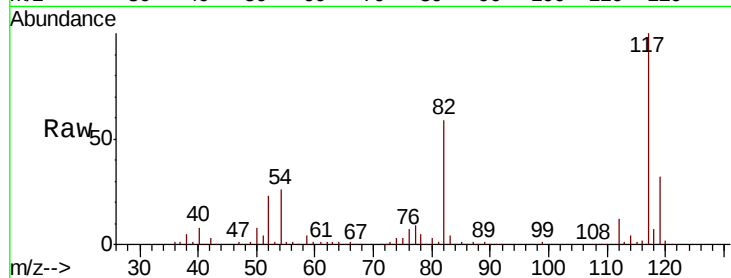




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW012127.D
Acq: 23 Aug 2019 11:03

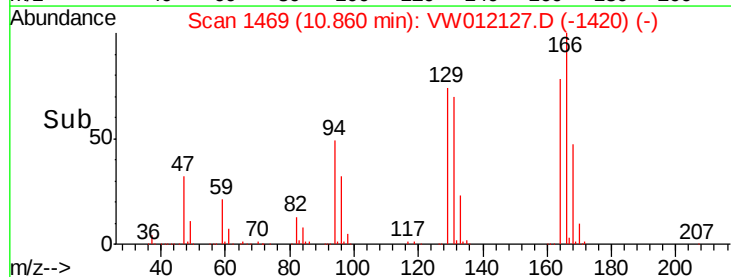
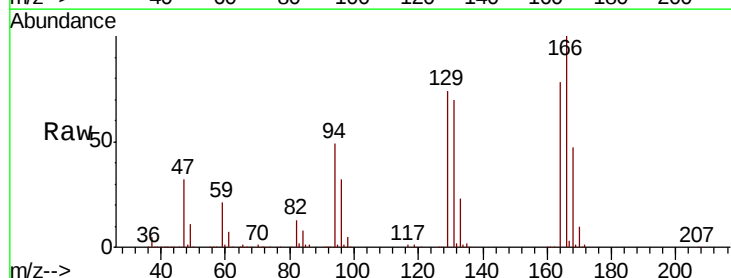
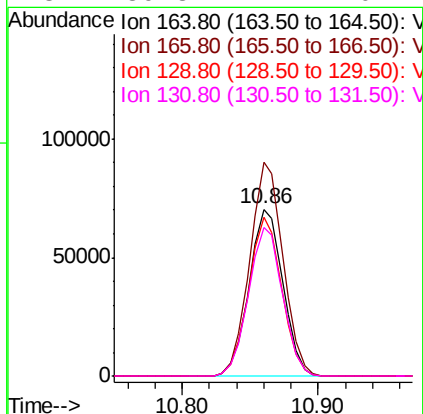
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

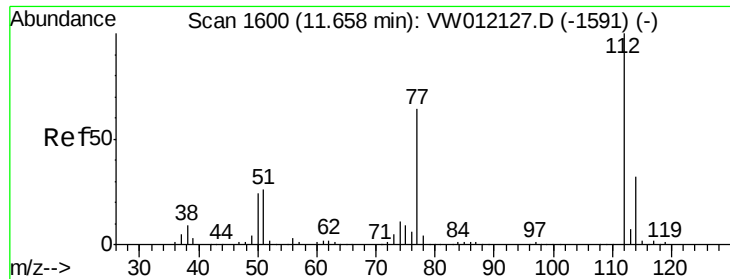
Tgt Ion:117 Resp: 353722
Ion Ratio Lower Upper
117 100
82 59.3 47.4 71.2
119 31.8 25.4 38.2



#64
Tetrachloroethene
Concen: 53.538 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW012127.D
Acq: 23 Aug 2019 11:03

Tgt Ion:164 Resp: 122777
Ion Ratio Lower Upper
164 100
166 128.0 102.4 153.6
129 94.7 75.8 113.6
131 89.3 71.4 107.2

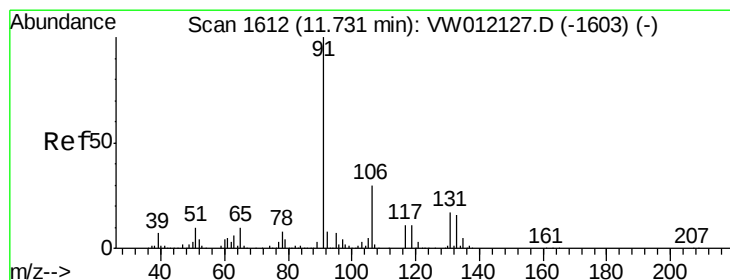
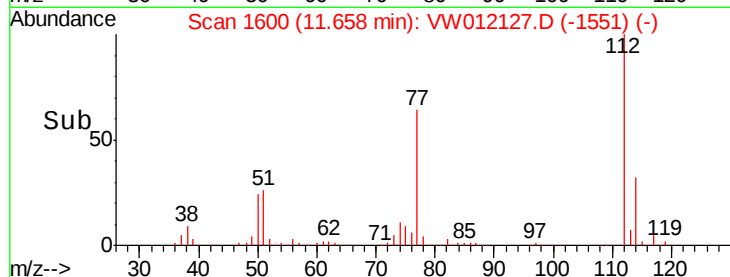
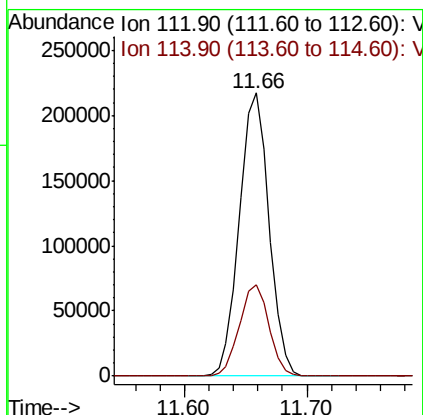
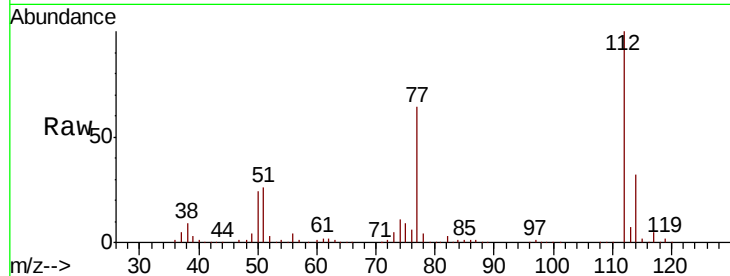




#65
Chlorobenzene
Concen: 52.515 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW012127.D
Acq: 23 Aug 2019 11:03

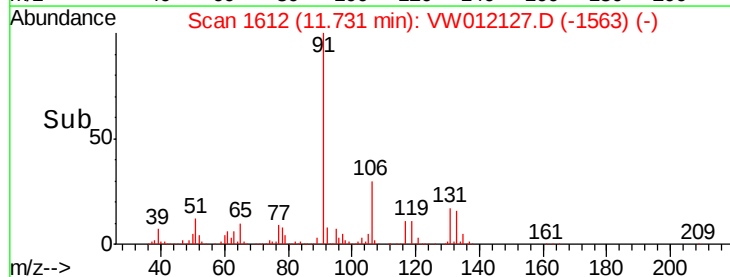
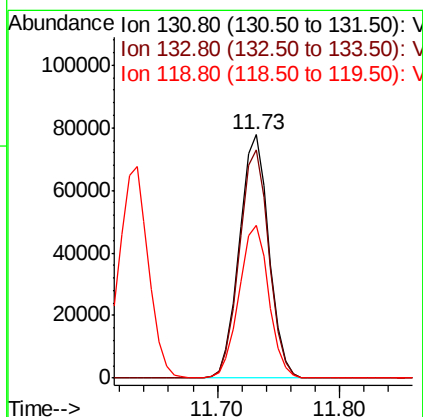
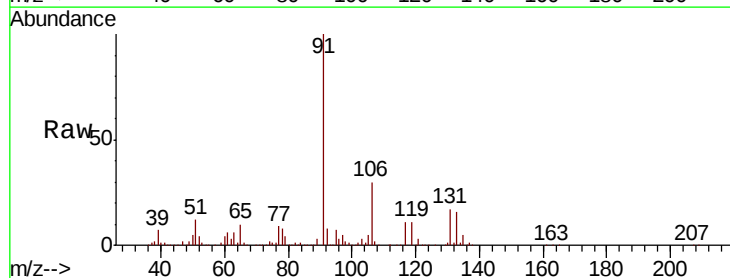
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 365769
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 53.454 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012127.D
Acq: 23 Aug 2019 11:03

Tgt Ion:131 Resp: 129884
Ion Ratio Lower Upper
131 100
133 94.2 47.1 141.3
119 63.5 31.8 95.3

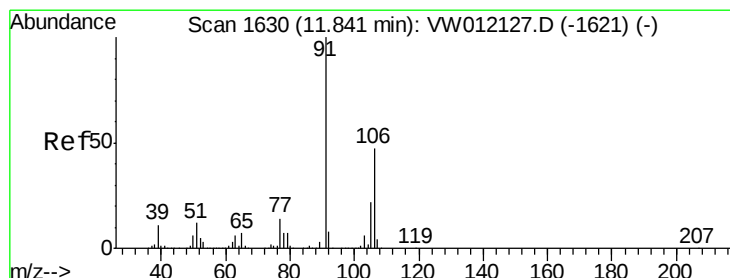
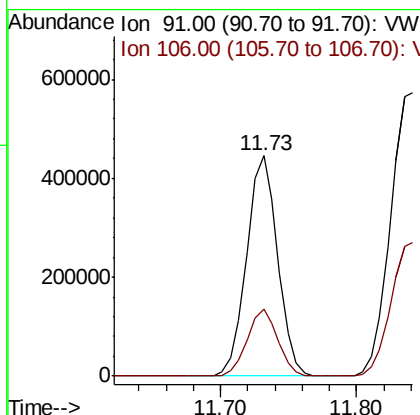
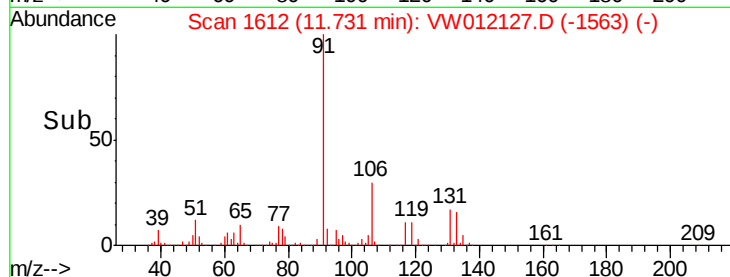
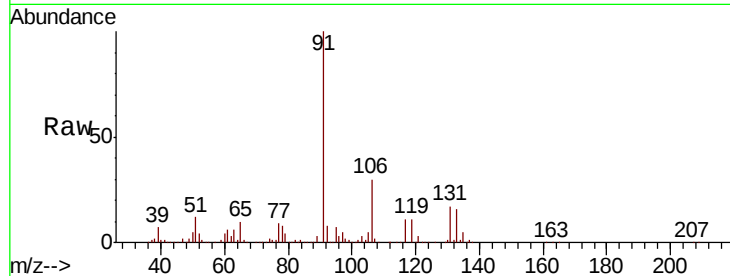




#67
Ethyl Benzene
Concen: 52.967 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012127.D
Acq: 23 Aug 2019 11:03

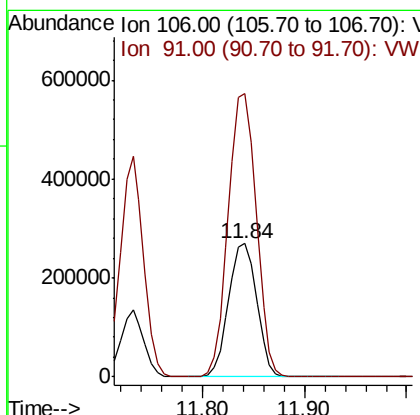
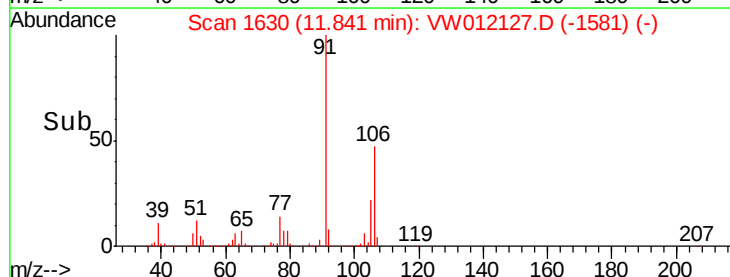
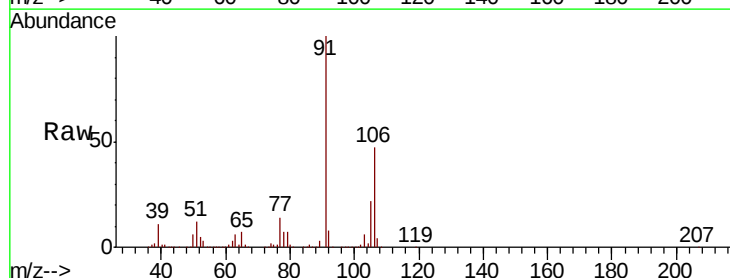
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 710661
Ion Ratio Lower Upper
91 100
106 30.4 24.3 36.5



#68
m/p-Xylenes
Concen: 106.574 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW012127.D
Acq: 23 Aug 2019 11:03

Tgt Ion: 106 Resp: 515069
Ion Ratio Lower Upper
106 100
91 211.9 169.5 254.3

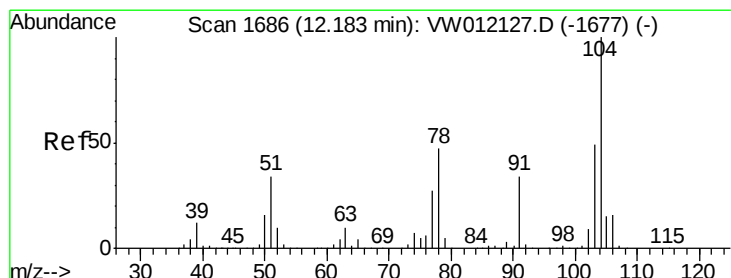
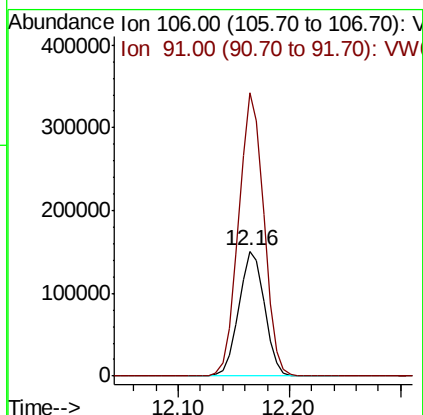
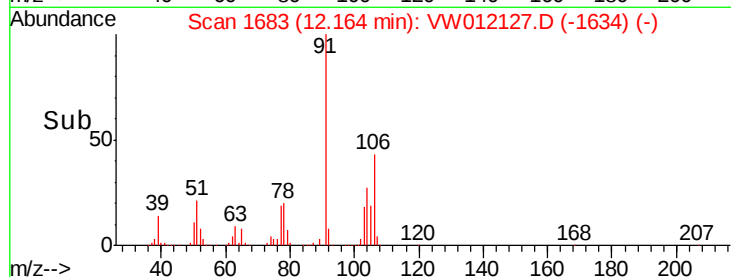
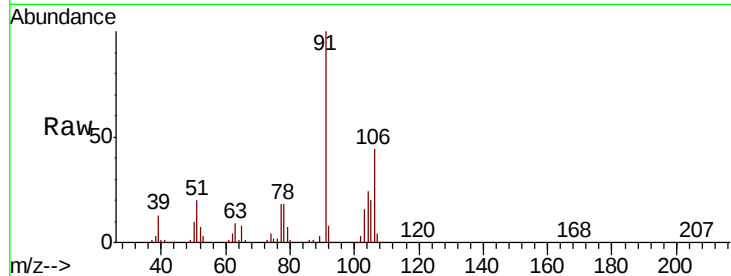




#69
o-Xylene
Concen: 53.785 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012127.D
Acq: 23 Aug 2019 11:03

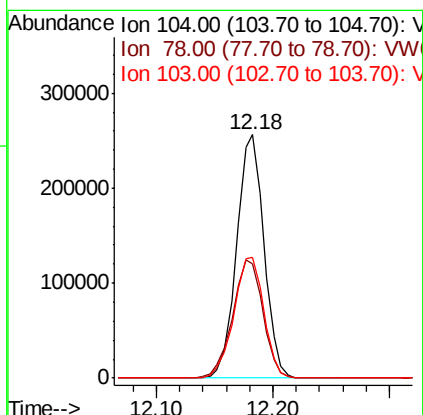
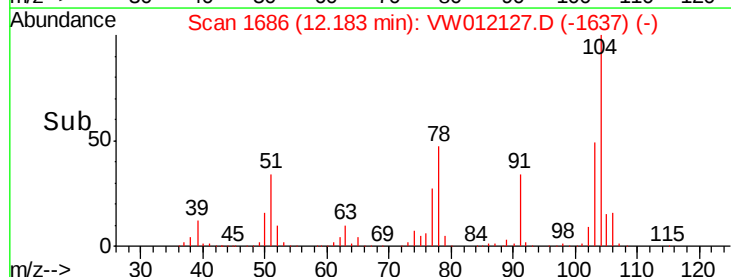
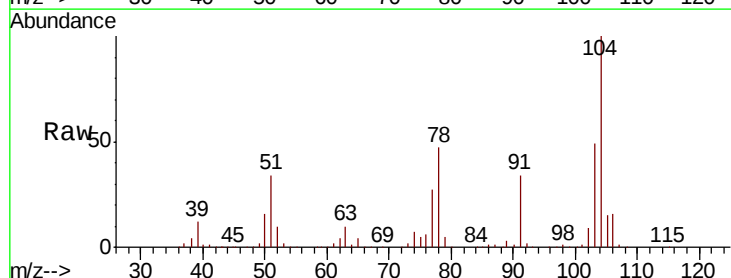
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

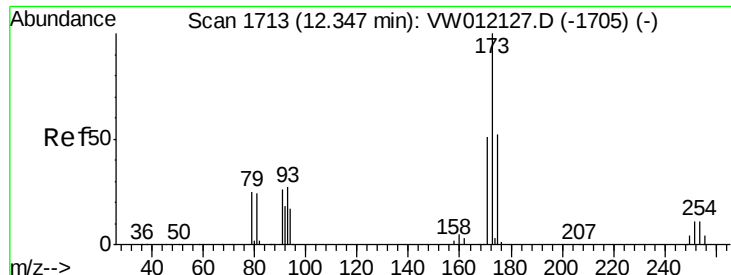
Tgt Ion:106 Resp: 240586
Ion Ratio Lower Upper
106 100
91 223.1 111.6 334.6



#70
Styrene
Concen: 54.276 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW012127.D
Acq: 23 Aug 2019 11:03

Tgt Ion:104 Resp: 420230
Ion Ratio Lower Upper
104 100
78 53.9 43.1 64.7
103 54.4 43.5 65.3

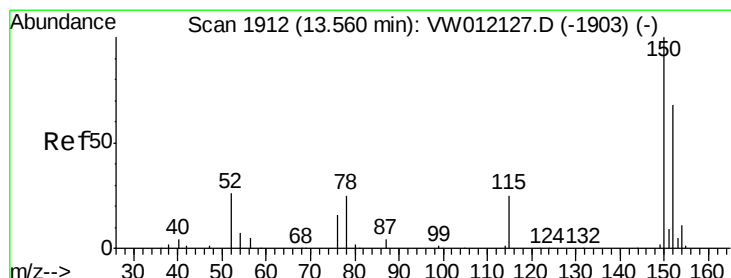
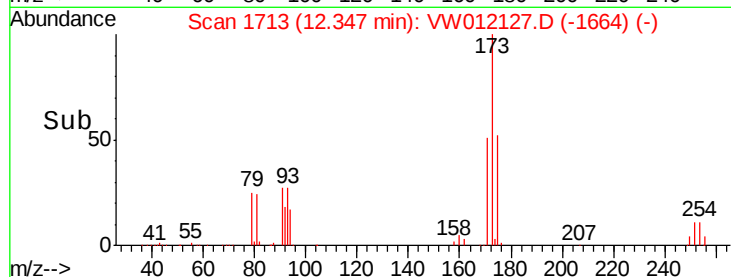
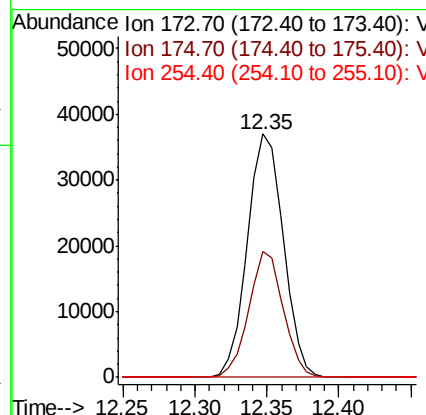
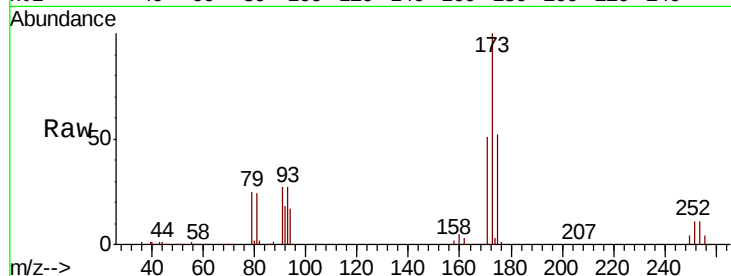




#71
 Bromoform
 Concen: 52.908 ug/l
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW012127.D
 Acq: 23 Aug 2019 11:03

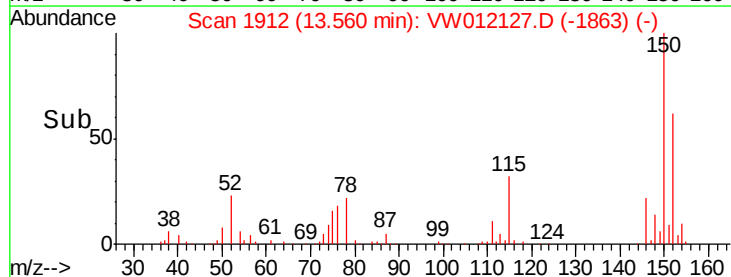
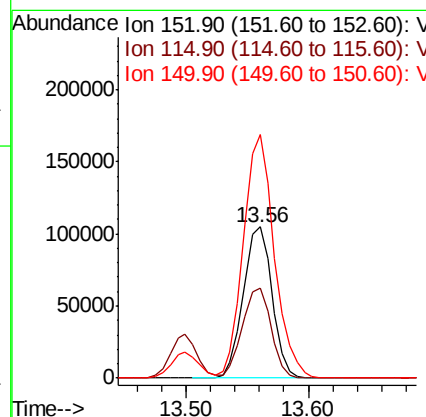
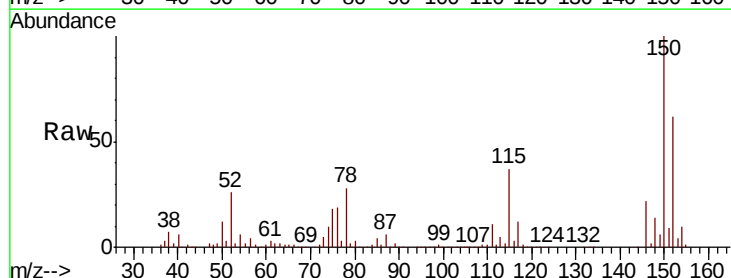
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

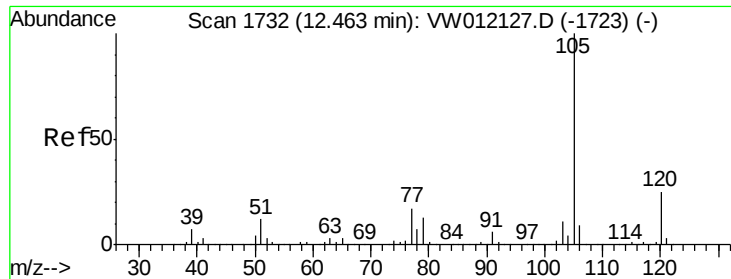
Tgt Ion:173 Resp: 64051
 Ion Ratio Lower Upper
 173 100
 175 49.3 24.6 74.0
 254 0.2 0.2 0.2



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. 0.00 min
 Lab File: VW012127.D
 Acq: 23 Aug 2019 11:03

Tgt Ion:152 Resp: 170983
 Ion Ratio Lower Upper
 152 100
 115 60.2 30.1 90.3
 150 172.9 0.0 345.8





#73

Isopropylbenzene

Concen: 52.905 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW012127.D

Acq: 23 Aug 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

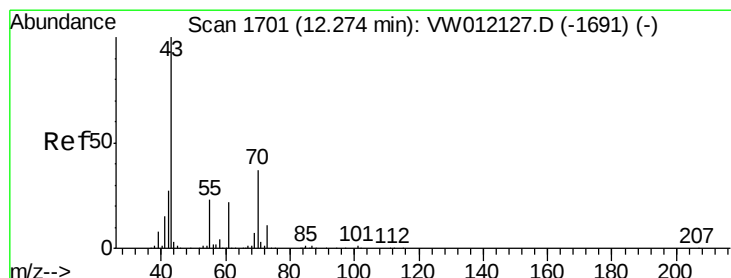
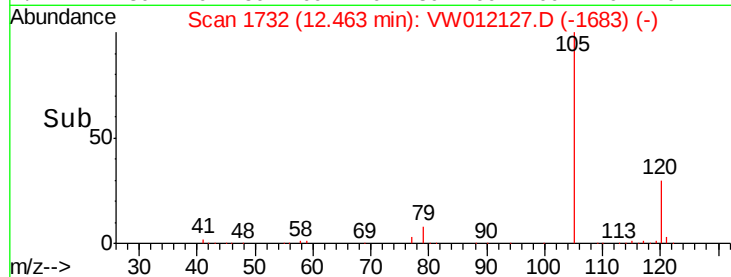
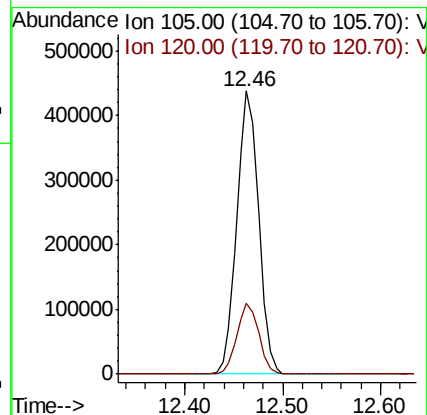
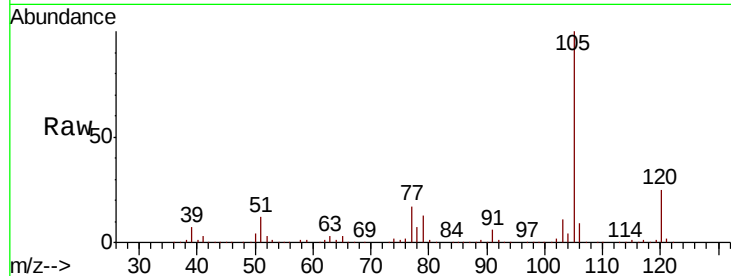
VSTDICCC050

Tgt Ion:105 Resp: 677819

Ion Ratio Lower Upper

105 100

120 25.0 12.5 37.5



#74

N-ethyl acetate

Concen: 54.221 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW012127.D

Acq: 23 Aug 2019 11:03

Tgt Ion: 43 Resp: 209881

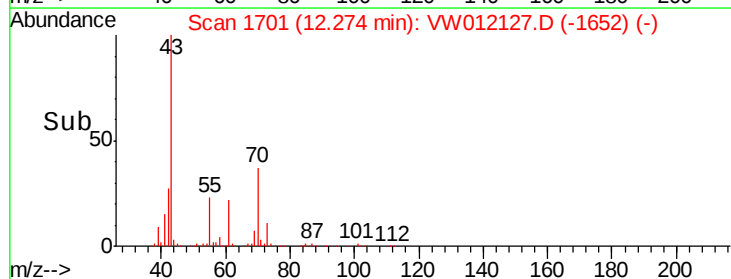
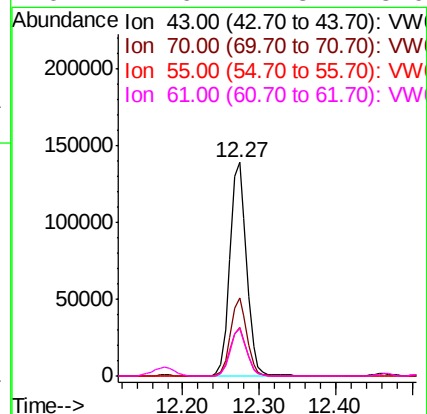
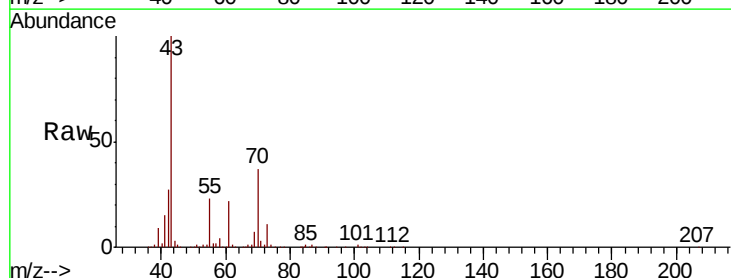
Ion Ratio Lower Upper

43 100

70 35.8 28.6 43.0

55 22.2 17.8 26.6

61 21.6 17.3 25.9

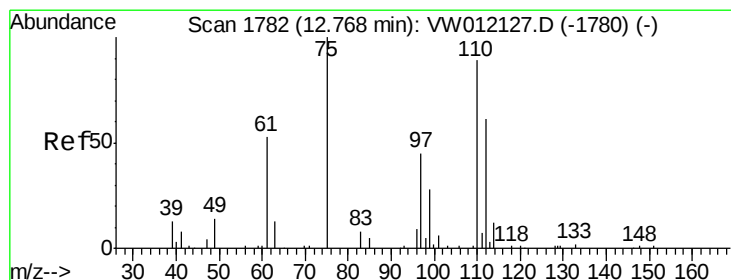
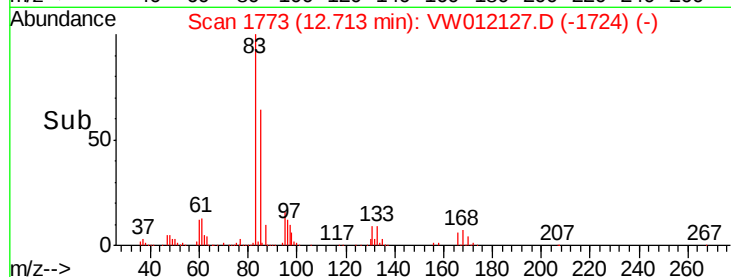
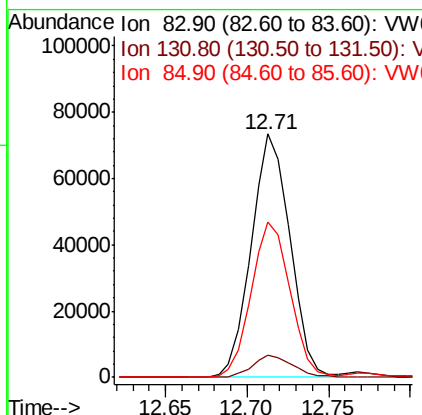
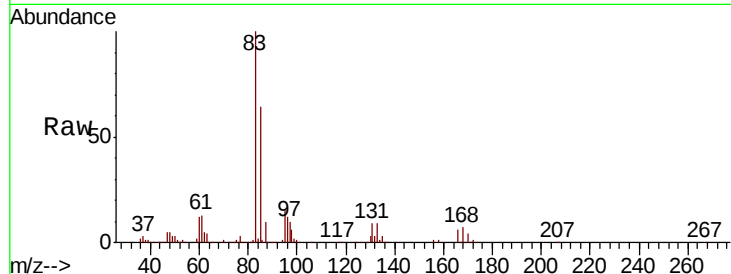




#75
 1,1,2,2-Tetrachloroethane
 Concen: 51.853 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: VW012127.D
 Acq: 23 Aug 2019 11:03

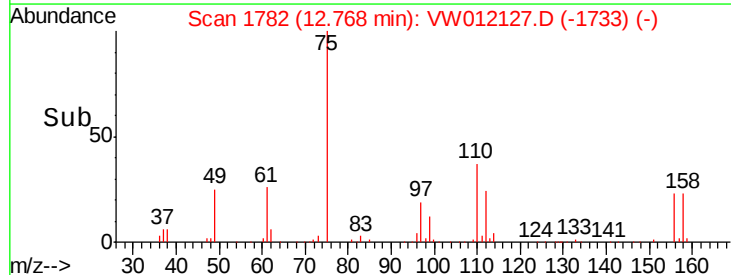
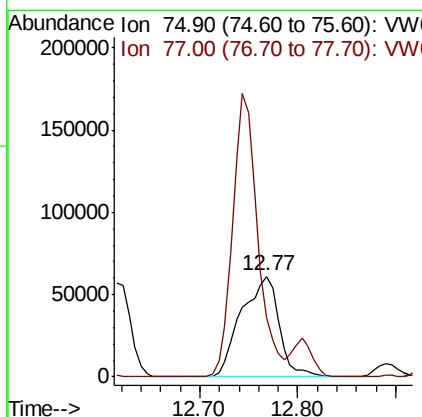
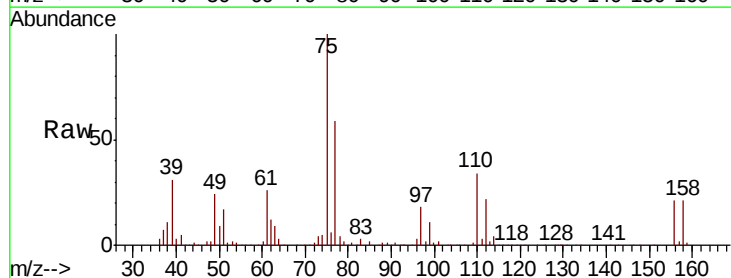
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

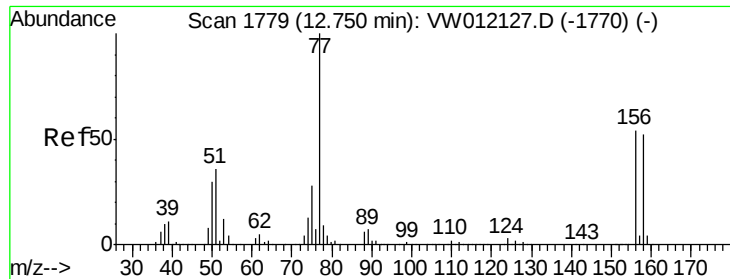
Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	63.8	31.9	95.7



#76
 1,2,3-Trichloropropane
 Concen: 99.724 ug/l
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW012127.D
 Acq: 23 Aug 2019 11:03

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.840 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW012127.D

Acq: 23 Aug 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

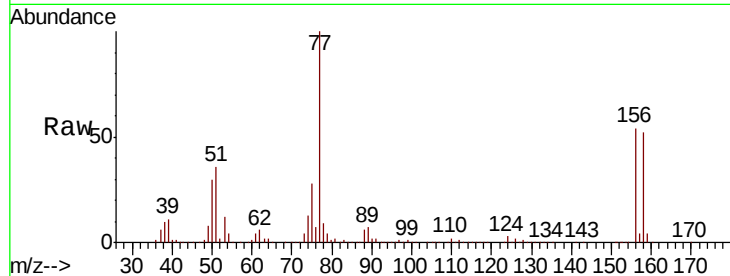
Tgt Ion:156 Resp: 143688

Ion Ratio Lower Upper

156 100

77 214.5 107.3 321.8

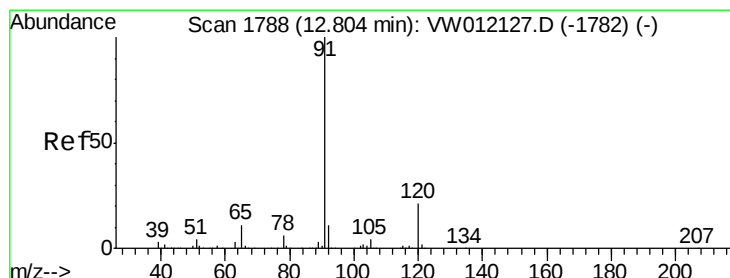
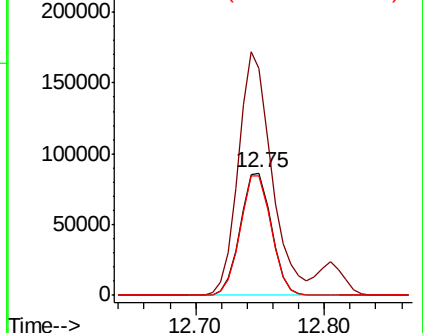
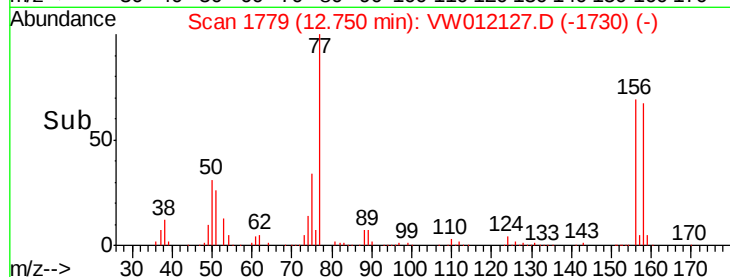
158 98.0 49.0 147.0



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: 53.066 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW012127.D

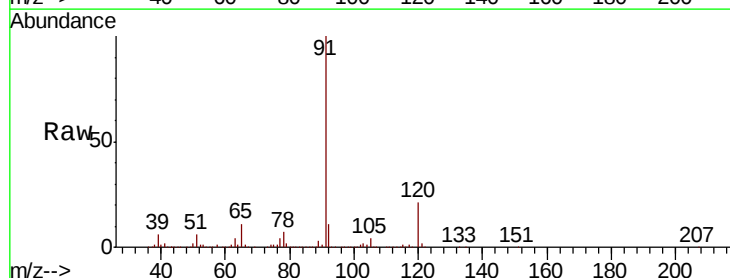
Acq: 23 Aug 2019 11:03

Tgt Ion: 91 Resp: 829999

Ion Ratio Lower Upper

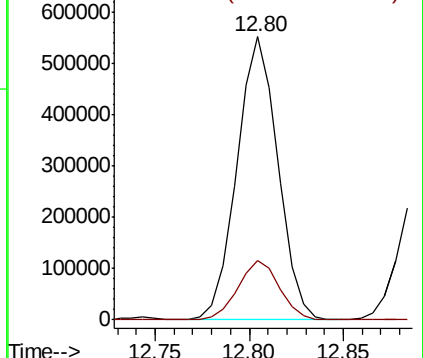
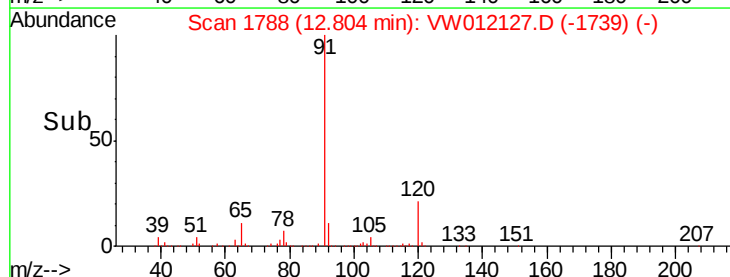
91 100

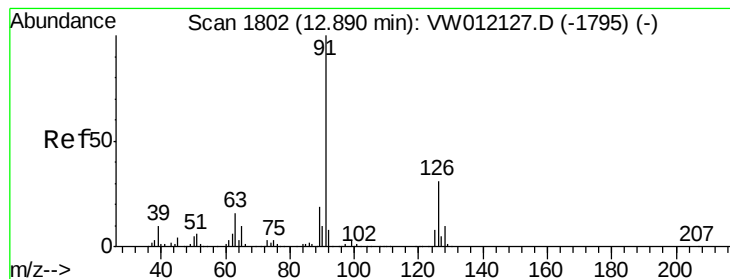
120 21.1 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.371 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW012127.D

Acq: 23 Aug 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

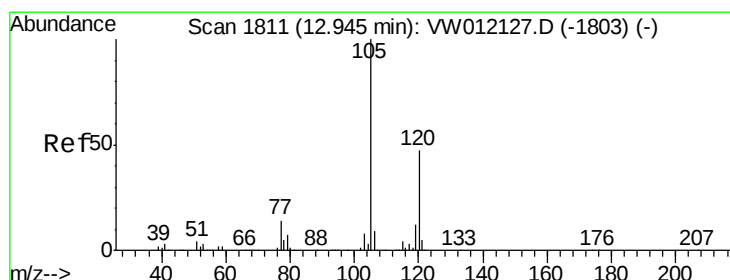
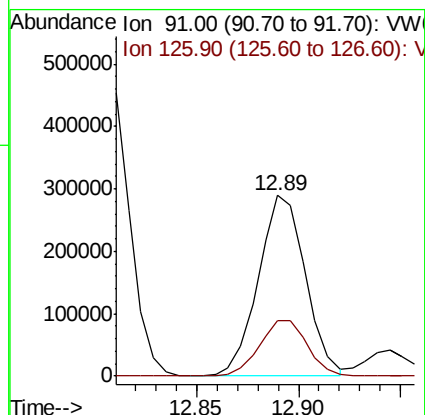
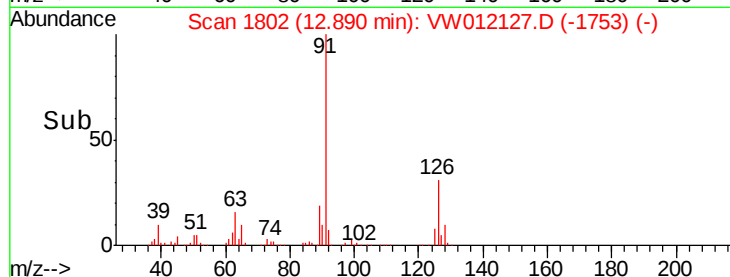
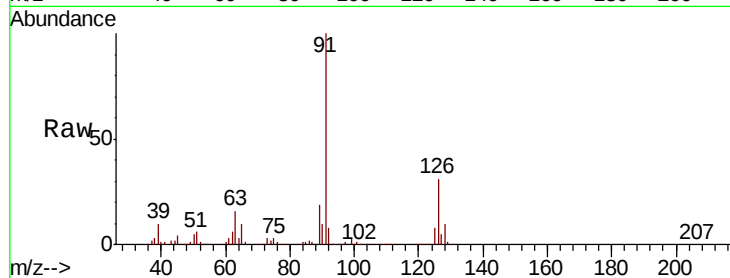
VSTDICCC050

Tgt Ion: 91 Resp: 465058

Ion Ratio Lower Upper

91 100

126 31.3 15.7 47.0



#80

1,3,5-Trimethylbenzene

Concen: 53.064 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW012127.D

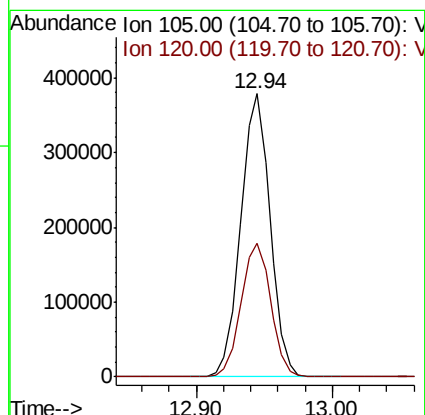
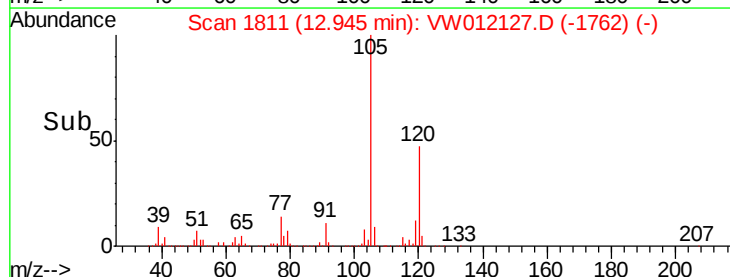
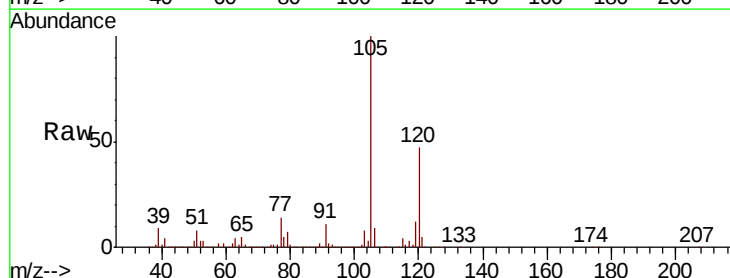
Acq: 23 Aug 2019 11:03

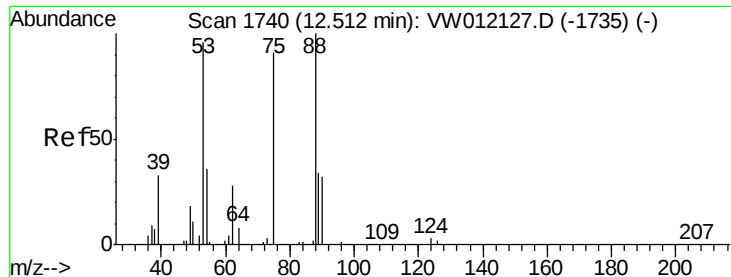
Tgt Ion: 105 Resp: 568089

Ion Ratio Lower Upper

105 100

120 48.0 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 54.020 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW012127.D

Acq: 23 Aug 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

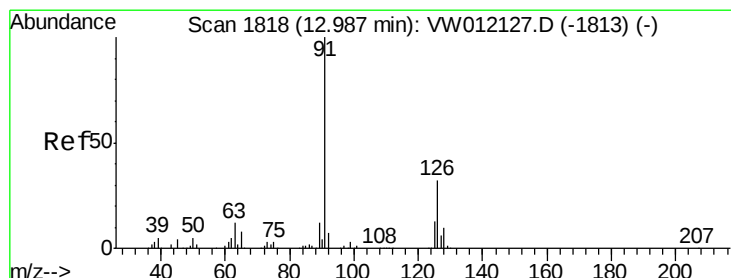
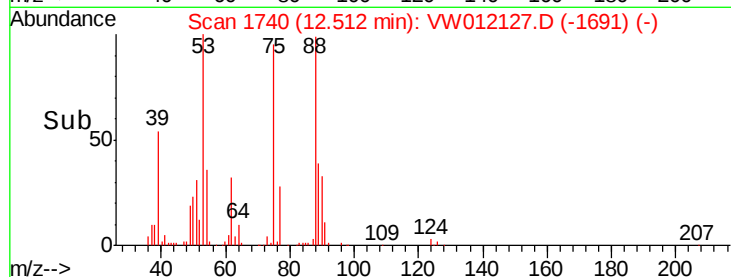
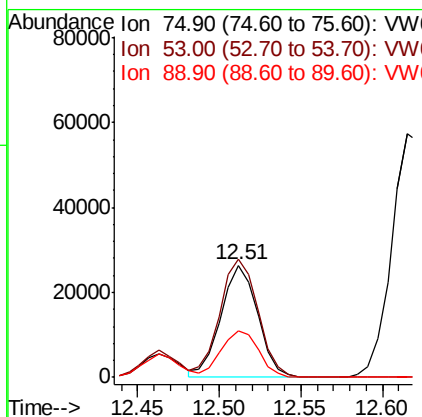
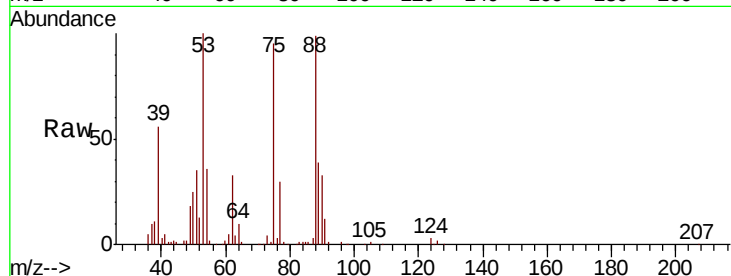
Tgt Ion: 75 Resp: 41029

Ion Ratio Lower Upper

75 100

53 111.7 89.4 134.0

89 43.1 34.5 51.7



#82

4-Chlorotoluene

Concen: 52.282 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW012127.D

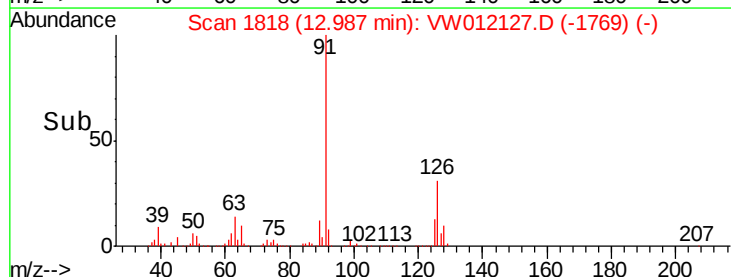
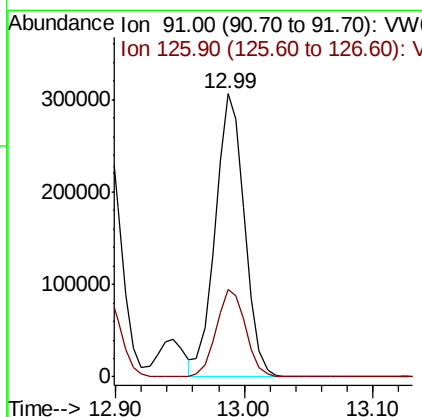
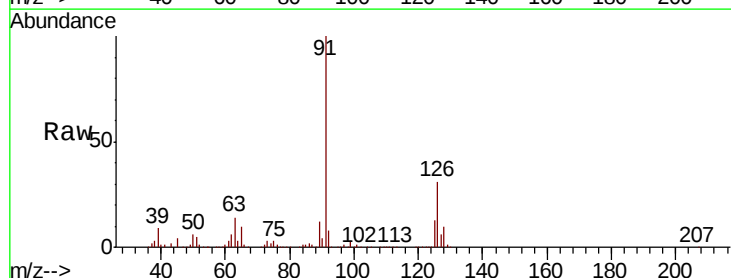
Acq: 23 Aug 2019 11:03

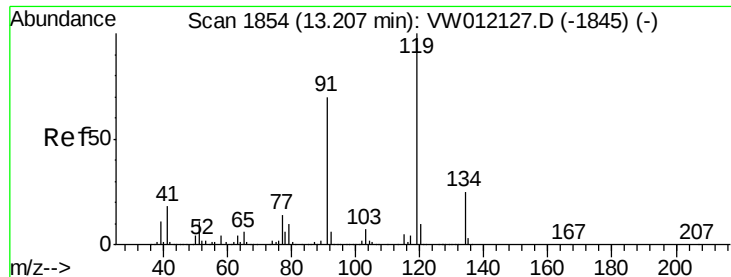
Tgt Ion: 91 Resp: 486115

Ion Ratio Lower Upper

91 100

126 31.2 15.6 46.8

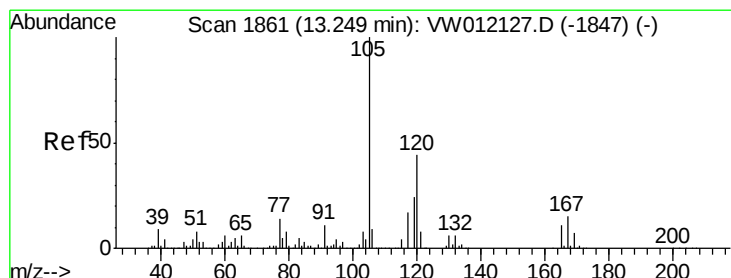
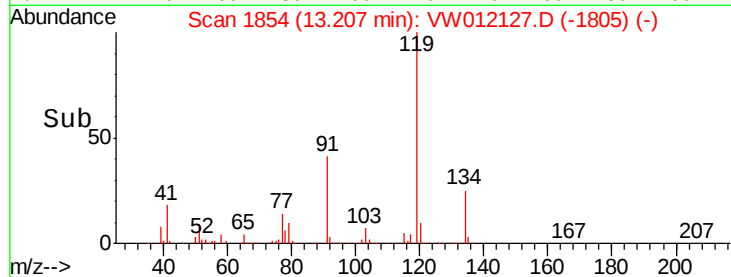
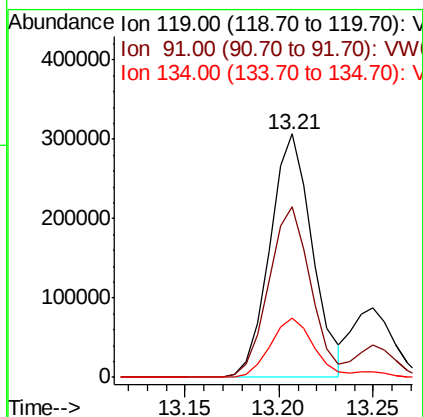
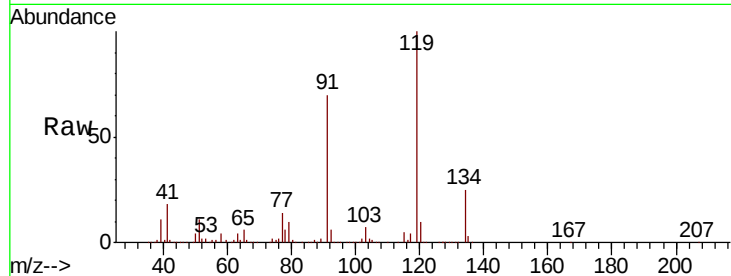




#83
 tert-Butylbenzene
 Concen: 52.772 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW012127.D
 Acq: 23 Aug 2019 11:03

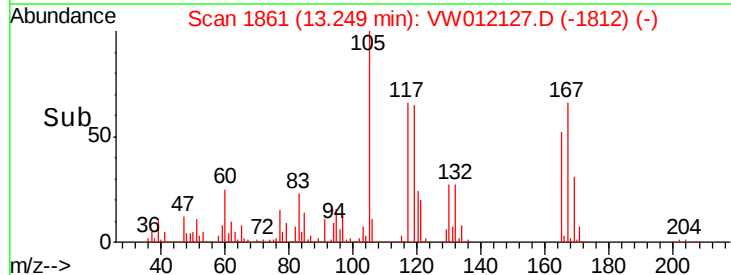
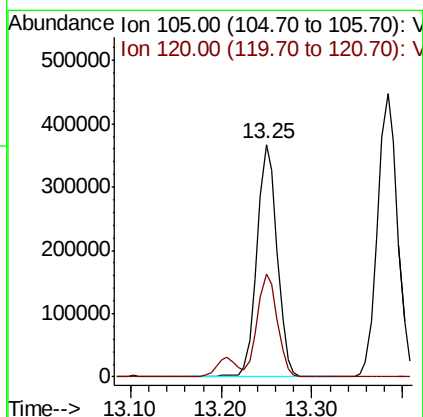
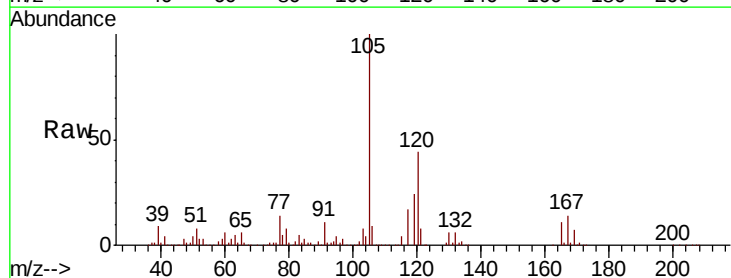
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

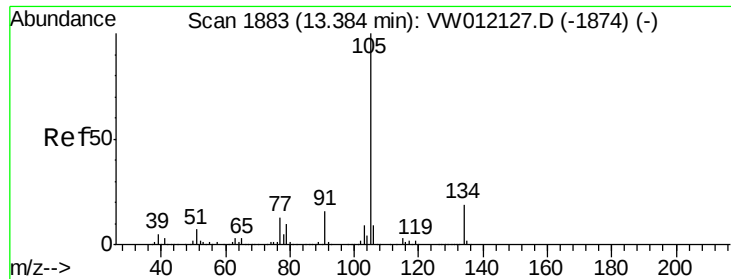
Tgt Ion:119 Resp: 478572
 Ion Ratio Lower Upper
 119 100
 91 69.5 34.8 104.3
 134 26.5 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 52.695 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW012127.D
 Acq: 23 Aug 2019 11:03

Tgt Ion:105 Resp: 566688
 Ion Ratio Lower Upper
 105 100
 120 43.8 21.9 65.7

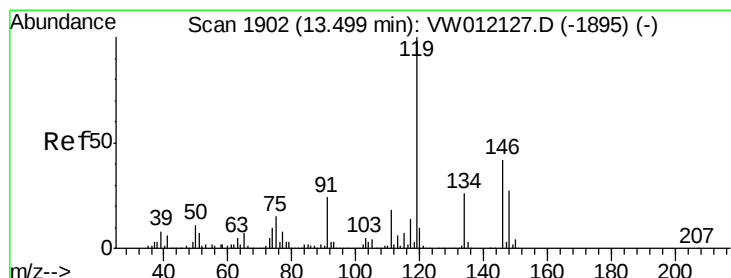
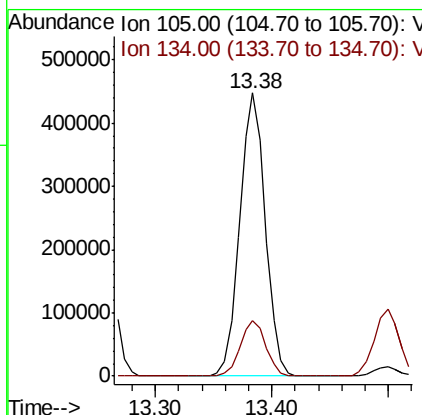
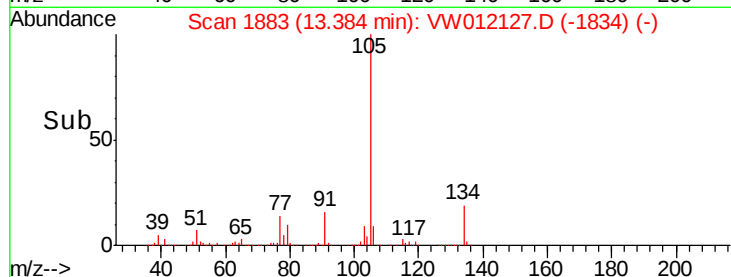
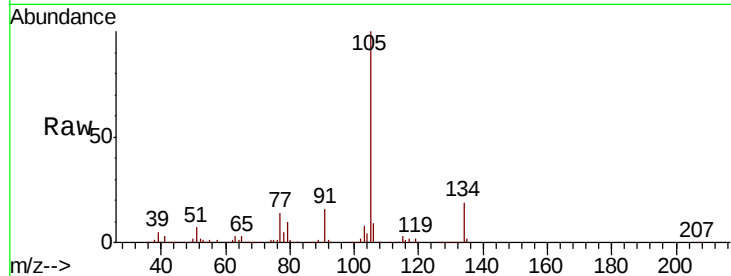




#85
 sec-Butylbenzene
 Concen: 52.538 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW012127.D
 Acq: 23 Aug 2019 11:03

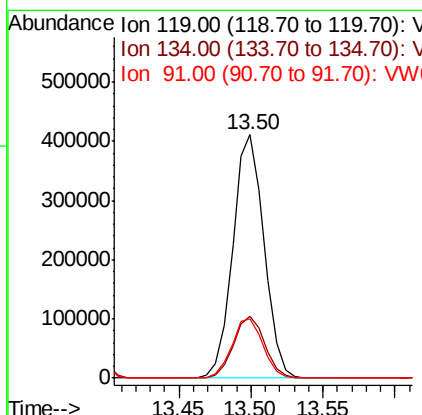
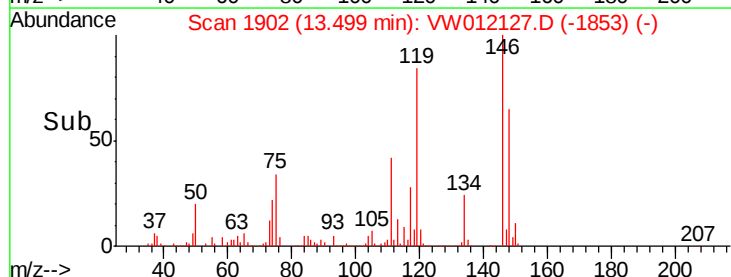
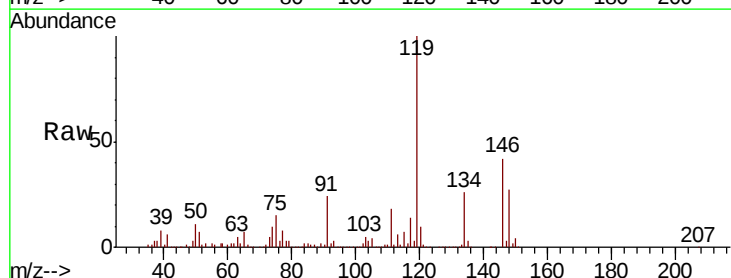
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

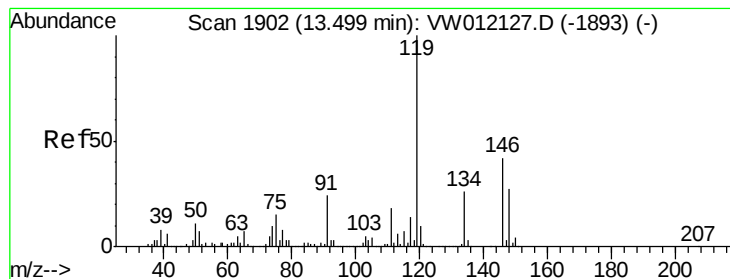
Tgt Ion:105 Resp: 682599
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 53.221 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW012127.D
 Acq: 23 Aug 2019 11:03

Tgt Ion:119 Resp: 617524
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.8 38.3
 91 24.6 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 51.155 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW012127.D

Acq: 23 Aug 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

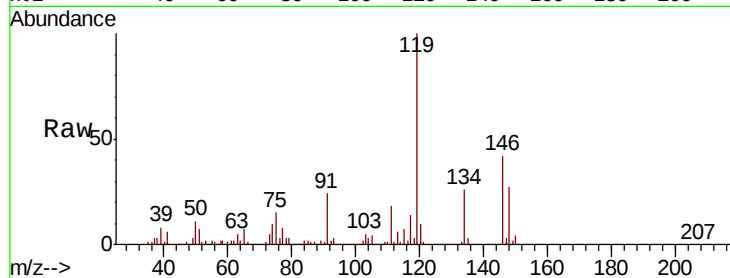
Tgt Ion:146 Resp: 277333

Ion Ratio Lower Upper

146 100

111 41.8 20.9 62.7

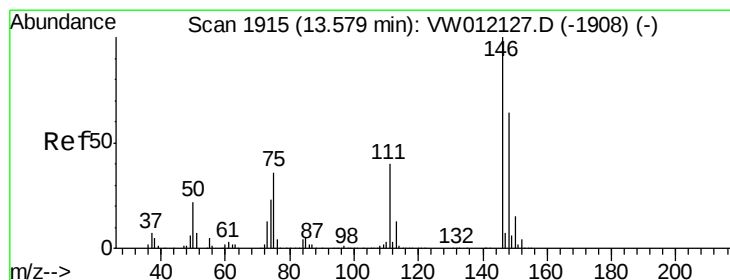
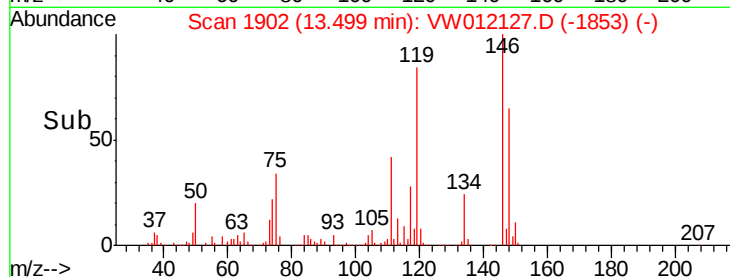
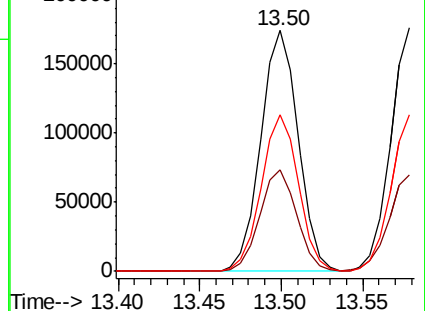
148 64.4 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 51.435 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW012127.D

Acq: 23 Aug 2019 11:03

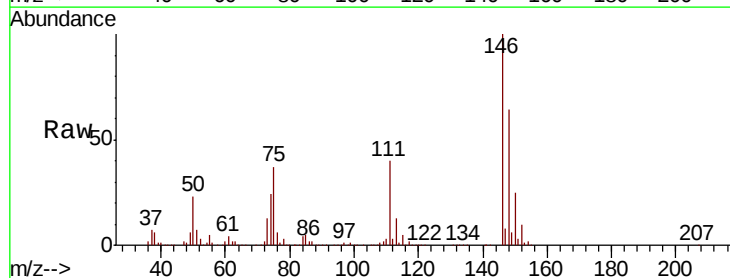
Tgt Ion:146 Resp: 276878

Ion Ratio Lower Upper

146 100

111 40.0 20.0 60.0

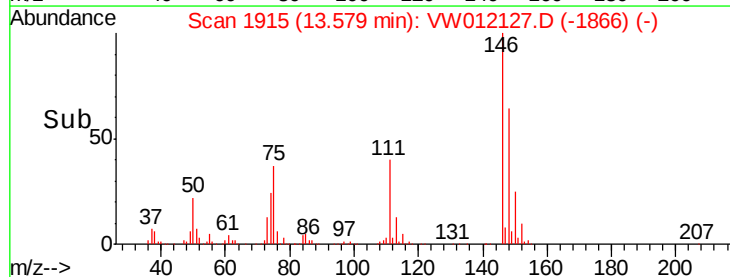
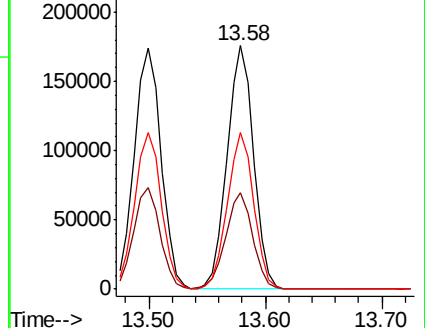
148 64.2 32.1 96.3

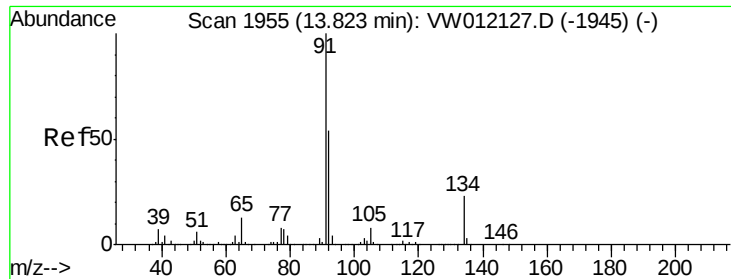


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 53.614 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW012127.D

Acq: 23 Aug 2019 11:03

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

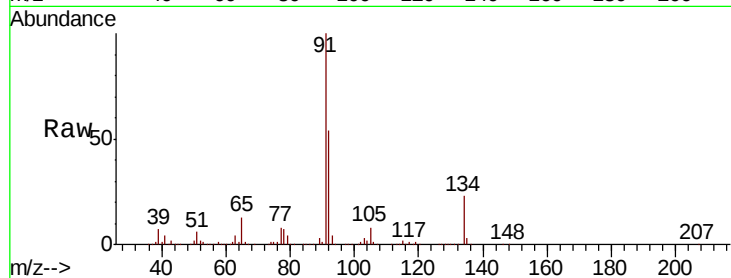
Tgt Ion: 91 Resp: 618627

Ion Ratio Lower Upper

91 100

92 54.1 27.1 81.2

134 24.3 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V

13.82

400000

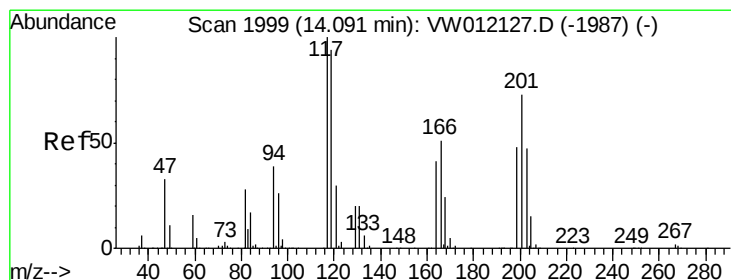
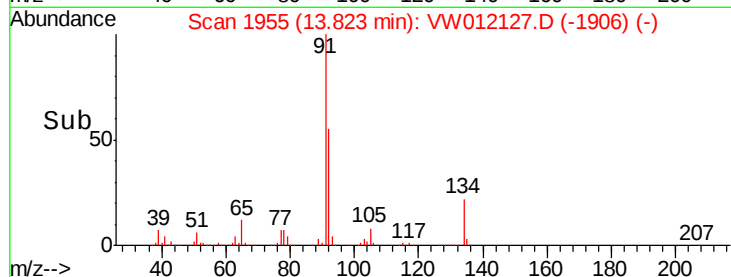
300000

200000

100000

0

Time--> 13.70 13.80 13.90



#90

Hexachloroethane

Concen: 53.398 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW012127.D

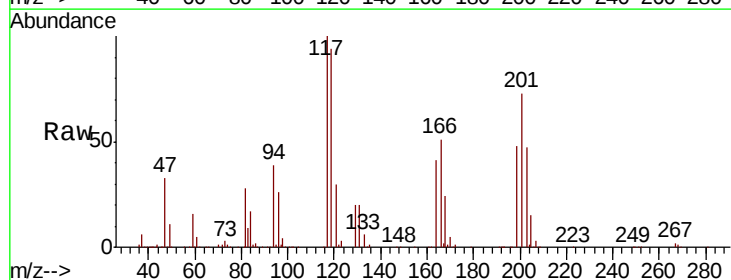
Acq: 23 Aug 2019 11:03

Tgt Ion: 117 Resp: 108703

Ion Ratio Lower Upper

117 100

201 77.1 38.6 115.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

14.09

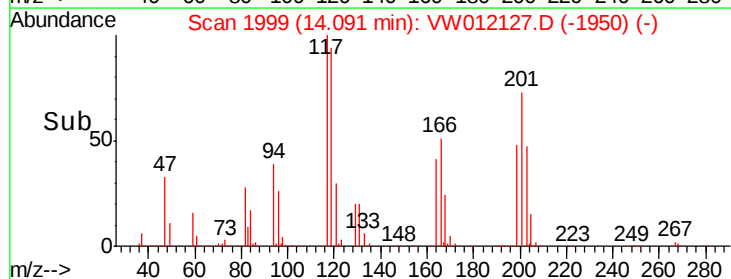
60000

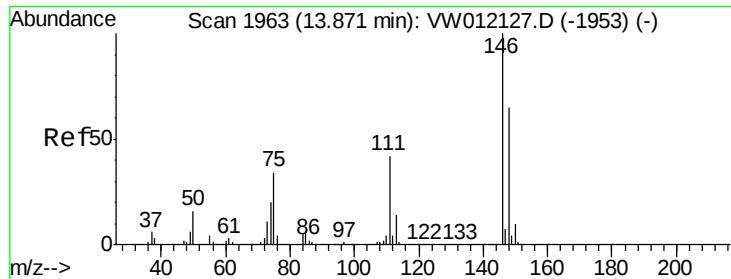
40000

20000

0

Time--> 14.00 14.10





#91

1,2-Dichlorobenzene

Concen: 52.303 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW012127.D

Acq: 23 Aug 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

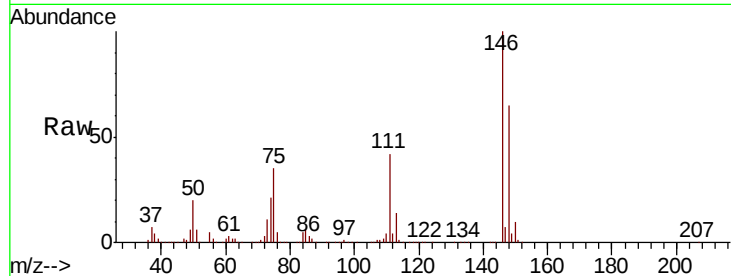
Tgt Ion:146 Resp: 248751

Ion Ratio Lower Upper

146 100

111 42.4 21.2 63.6

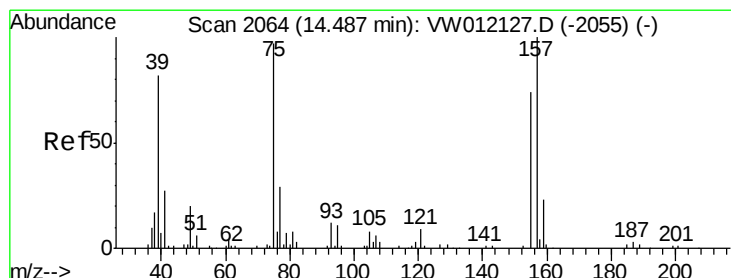
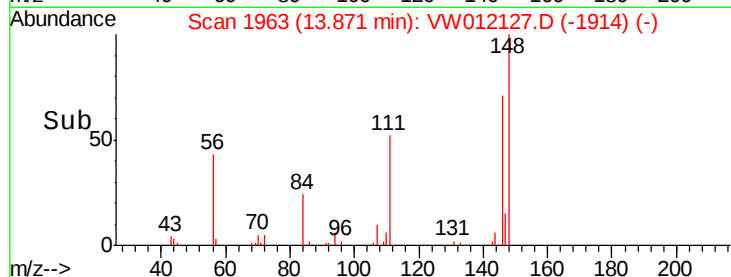
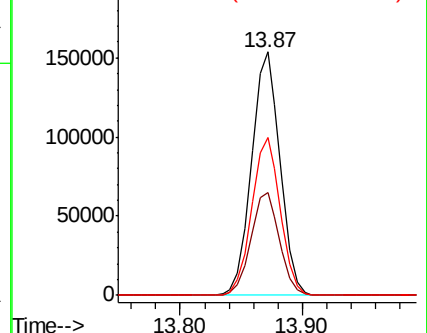
148 64.9 32.5 97.4



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: 50.713 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW012127.D

Acq: 23 Aug 2019 11:03

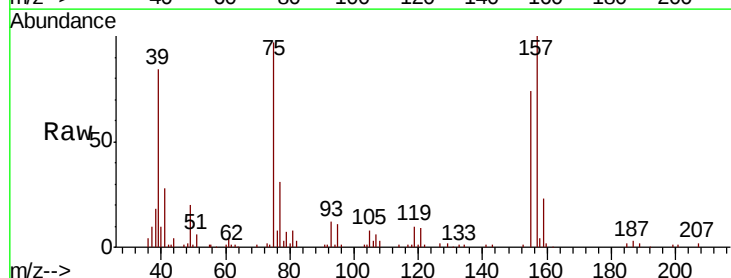
Tgt Ion: 75 Resp: 20081

Ion Ratio Lower Upper

75 100

155 74.9 37.5 112.3

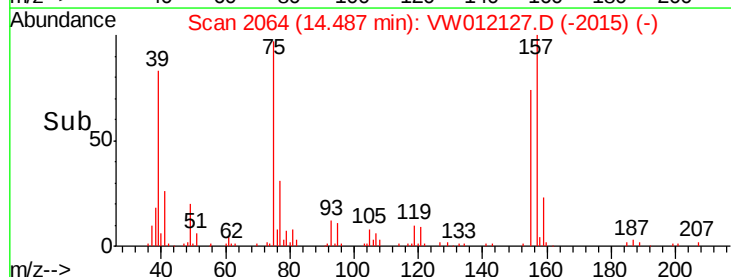
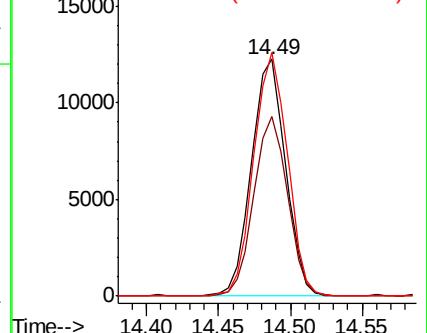
157 101.0 50.5 151.5

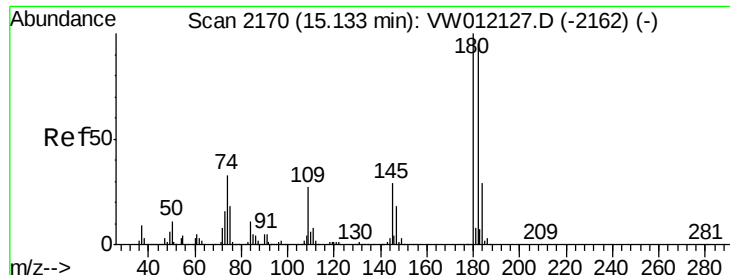


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

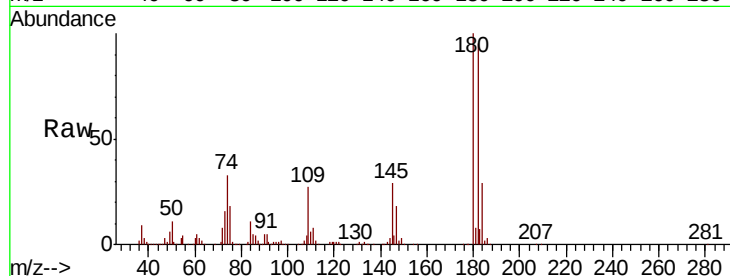




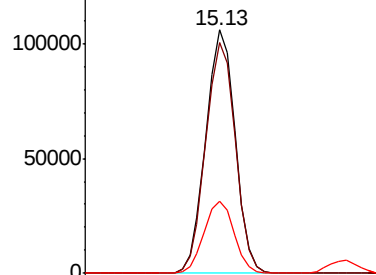
#93
 1,2,4-Trichlorobenzene
 Concen: 53.650 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW012127.D
 Acq: 23 Aug 2019 11:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

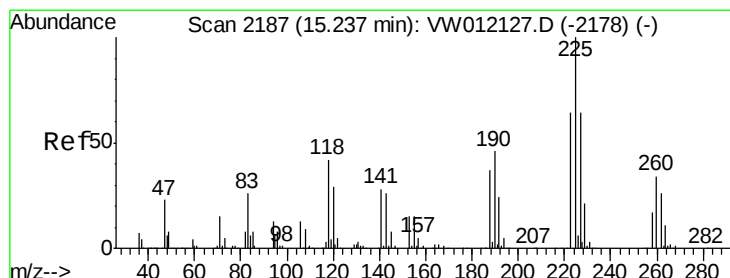
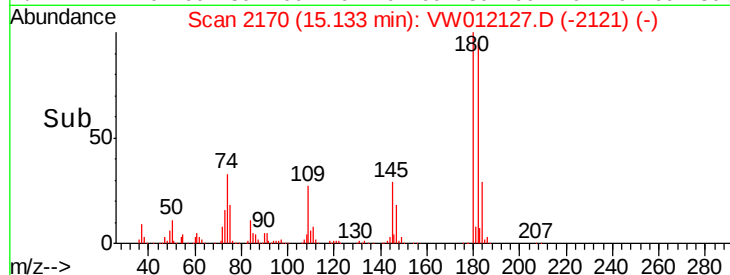
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	176330		
182	95.6	47.8	143.4	
145	30.1	15.0	45.1	



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

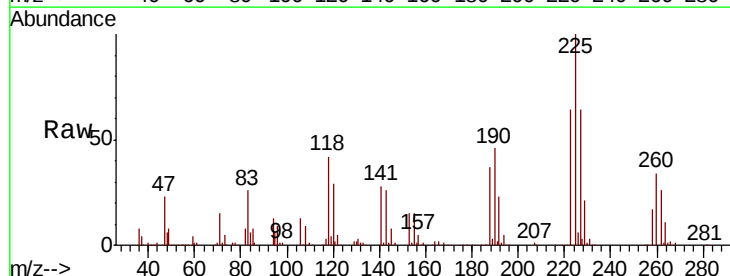


Time-->

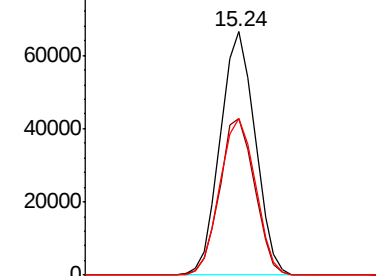


#94
 Hexachlorobutadiene
 Concen: 51.411 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW012127.D
 Acq: 23 Aug 2019 11:03

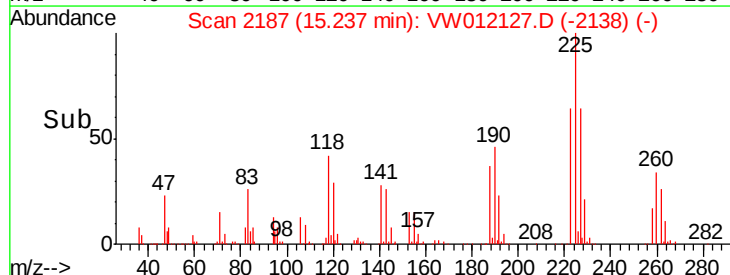
Tgt Ion	Ratio	Resp	Lower	Upper
225	100	111571		
223	64.5	32.3	96.8	
227	65.7	32.9	98.6	

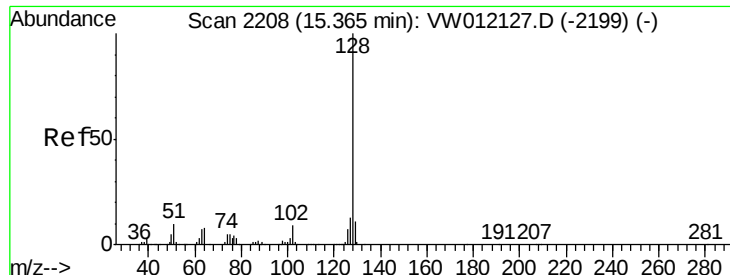


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->

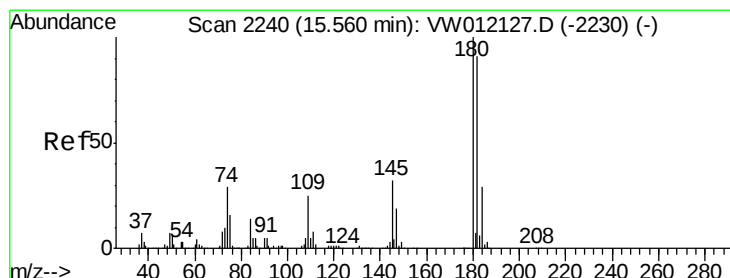
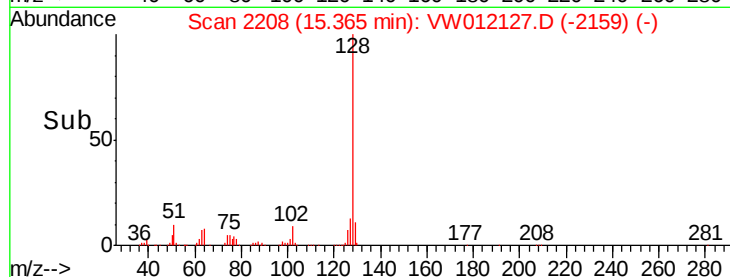
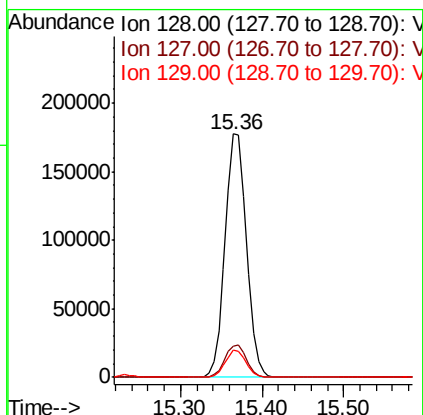
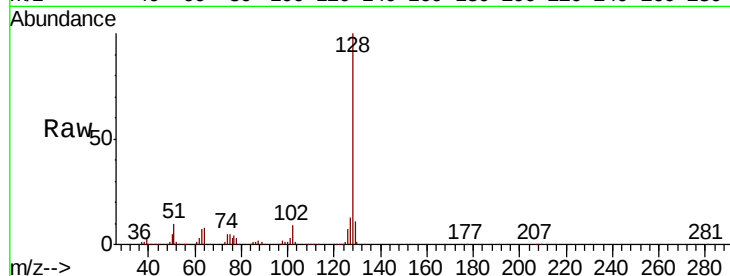




#95
Naphthalene
Concen: 55.860 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012127.D
Acq: 23 Aug 2019 11:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 321487
Ion Ratio Lower Upper
128 100
127 13.4 10.7 16.1
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 53.812 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW012127.D
Acq: 23 Aug 2019 11:03

Tgt Ion:180 Resp: 154310
Ion Ratio Lower Upper
180 100
182 94.2 47.1 141.3
145 32.3 16.2 48.5

