

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082019\
 Data File : VW012056.D
 Acq On : 21 Aug 2019 02:58
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 21 03:24:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	201807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	344359	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	306768	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	145993	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	137166	59.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.38%	
35) Dibromofluoromethane	7.88	113	108892	56.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.72%	
50) Toluene-d8	10.32	98	435218	55.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.04%	
62) 4-Bromofluorobenzene	12.62	95	162662	57.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.36%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.00	85	52350	46.546	ug/l 99
3) Chloromethane	2.21	50	89547	45.916	ug/l 100
4) Vinyl Chloride	2.36	62	109453	46.616	ug/l 97
5) Bromomethane	2.75	94	58774	45.224	ug/l 98
6) Chloroethane	2.91	64	68318	50.938	ug/l 98
7) Trichlorofluoromethane	3.25	101	49112	46.803	ug/l 99
8) Diethyl Ether	3.68	74	67981	57.139	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	101977	51.230	ug/l 98
10) Methyl Iodide	4.27	142	152882	54.348	ug/l 100
11) Tert butyl alcohol	5.17	59	50983	301.812	ug/l 100
12) 1,1-Dichloroethene	4.04	96	107366	51.085	ug/l 98
13) Acrolein	3.89	56	42212	253.871	ug/l 96
14) Allyl chloride	4.66	41	225018	50.338	ug/l 99
15) Acrylonitrile	5.36	53	184718	311.019	ug/l 99
16) Acetone	4.12	43	154112	209.070	ug/l 100
17) Carbon Disulfide	4.38	76	297329	45.200	ug/l 99
18) Methyl Acetate	4.67	43	107080	64.664	ug/l 98
19) Methyl tert-butyl Ether	5.42	73	200100	59.996	ug/l 96
20) Methylene Chloride	4.92	84	132678	52.190	ug/l 96
21) trans-1,2-Dichloroethene	5.42	96	118624	52.352	ug/l 97
22) Diisopropyl ether	6.31	45	480600	57.025	ug/l 97
23) Vinyl Acetate	6.25	43	1520755	287.166	ug/l 99
24) 1,1-Dichloroethane	6.21	63	249845	55.352	ug/l 99
25) 2-Butanone	7.17	43	265312	275.061	ug/l 99
26) 2,2-Dichloropropane	7.17	77	116158	41.845	ug/l 95
27) cis-1,2-Dichloroethene	7.17	96	137729	55.228	ug/l 97
28) Bromochloromethane	7.51	49	113611	56.707	ug/l # 99
29) Tetrahydrofuran	7.53	42	177348	321.662	ug/l 99
30) Chloroform	7.67	83	230715	55.404	ug/l 98
31) Cyclohexane	7.95	56	207659	47.927	ug/l 99
32) 1,1,1-Trichloroethane	7.87	97	174103	54.899	ug/l 99
36) 1,1-Dichloropropene	8.08	75	178961	49.979	ug/l 98
37) Ethyl Acetate	7.25	43	119147	57.836	ug/l 98
38) Carbon Tetrachloride	8.07	117	154682	50.462	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	197847	50.180	ug/l	100
40) Benzene	8.32	78	522882	52.133	ug/l	100
41) Methacrylonitrile	7.48	41	73722	59.866	ug/l	96
42) 1,2-Dichloroethane	8.40	62	170472	54.287	ug/l	99
43) Isopropyl Acetate	8.42	43	224878	59.356	ug/l	99
44) Trichloroethene	9.09	130	126825	52.611	ug/l	97
45) 1,2-Dichloropropane	9.37	63	146010	54.408	ug/l	100
46) Dibromomethane	9.46	93	67292	54.939	ug/l	99
47) Bromodichloromethane	9.64	83	173629	54.040	ug/l	100
48) Methyl methacrylate	9.43	41	109975	60.429	ug/l	99
49) 1,4-Dioxane	9.45	88	24073	1357.359	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	601681	305.320	ug/l	100
52) Toluene	10.38	92	321610	53.098	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	179508	53.484	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	210693	52.797	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	98516	56.687	ug/l	98
56) Ethyl methacrylate	10.65	69	154453	60.734	ug/l	99
57) 1,3-Dichloropropane	10.93	76	185348	56.373	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	417582	361.648	ug/l	100
59) 2-Hexanone	10.97	43	408283	293.431	ug/l	99
60) Dibromochloromethane	11.13	129	109256	56.636	ug/l	99
61) 1,2-Dibromoethane	11.23	107	92641	56.329	ug/l	100
64) Tetrachloroethene	10.86	164	111657	55.901	ug/l	99
65) Chlorobenzene	11.66	112	327196	53.052	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	116413	54.189	ug/l	99
67) Ethyl Benzene	11.73	91	622728	53.015	ug/l	99
68) m/p-Xylenes	11.83	106	446238	104.463	ug/l	100
69) o-Xylene	12.16	106	216782	54.611	ug/l	99
70) Styrene	12.18	104	374720	54.597	ug/l	99
71) Bromoform	12.35	173	62530	57.088	ug/l #	98
73) Isopropylbenzene	12.46	105	589647	54.139	ug/l	99
74) N-amyl acetate	12.27	43	210418	61.709	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	121430	59.273	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	156528	101.327	ug/l #	100
77) Bromobenzene	12.74	156	131913	54.796	ug/l	99
78) n-propylbenzene	12.80	91	703847	53.101	ug/l	100
79) 2-Chlorotoluene	12.89	91	405559	53.110	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	493020	54.002	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	37528	55.988	ug/l	98
82) 4-Chlorotoluene	12.99	91	421778	52.644	ug/l	100
83) tert-Butylbenzene	13.21	119	427036	55.934	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	494908	53.812	ug/l	100
85) sec-Butylbenzene	13.38	105	588653	54.036	ug/l	99
86) p-Isopropyltoluene	13.50	119	525960	53.213	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	247725	52.481	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	245276	52.236	ug/l	100
89) n-Butylbenzene	13.82	91	507778	51.479	ug/l	100
90) Hexachloroethane	14.09	117	93485	53.488	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	225950	54.122	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21764	62.298	ug/l	99

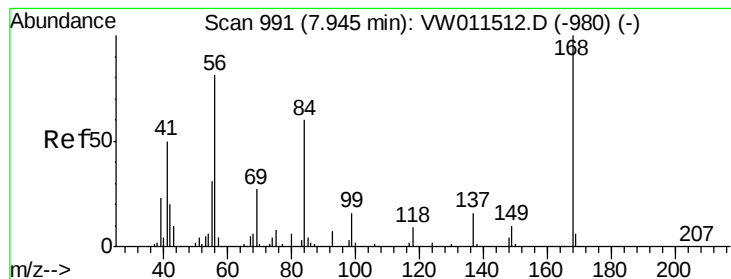
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	162623	55.271	ug/l	99
94) Hexachlorobutadiene	15.24	225	98233	53.537	ug/l	99
95) Naphthalene	15.36	128	343544	59.210	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	147148	57.054	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: VW012056.D

Acq: 21 Aug 2019 02:58

Instrument :

MSVOA_W

ClientSampleId :

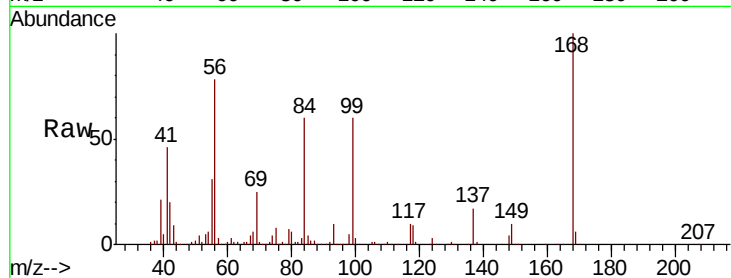
VSTDCCC050EC

Tgt Ion:168 Resp: 201807

Ion Ratio Lower Upper

168 100

99 59.9 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

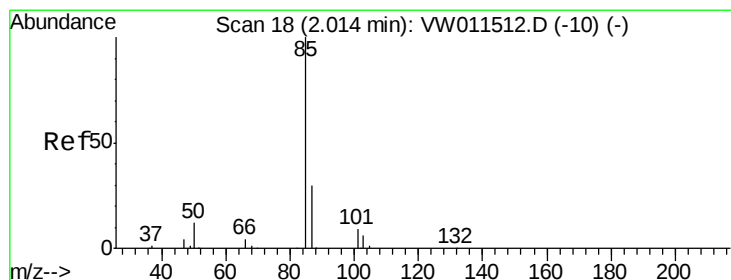
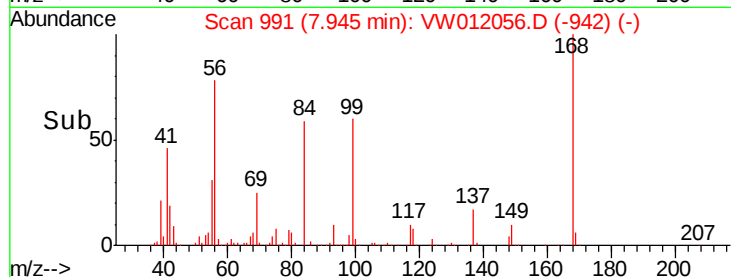
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.546 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW012056.D

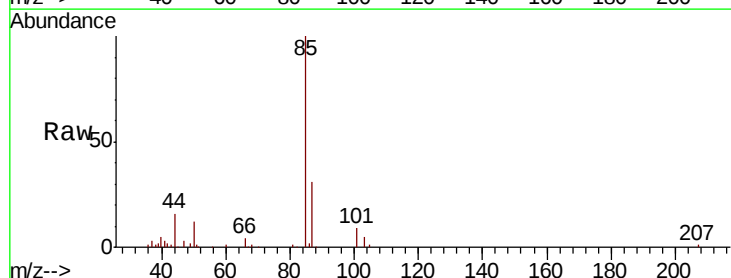
Acq: 21 Aug 2019 02:58

Tgt Ion: 85 Resp: 52350

Ion Ratio Lower Upper

85 100

87 30.9 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

20000

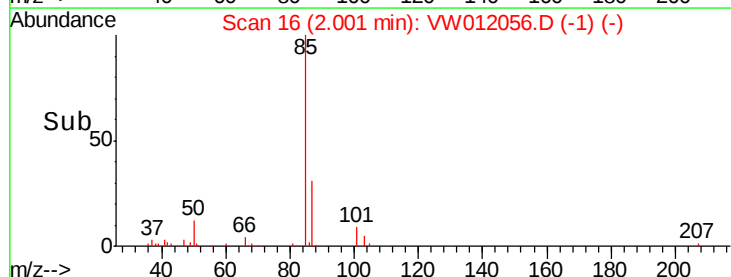
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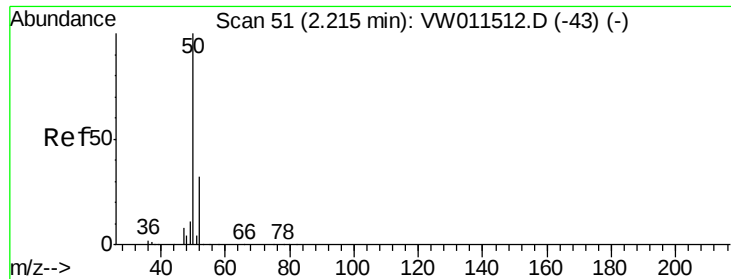
10000

5000

0

Time-->





#3

Chloromethane

Concen: 45.916 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Instrument :

MSVOA_W

ClientSampleId :

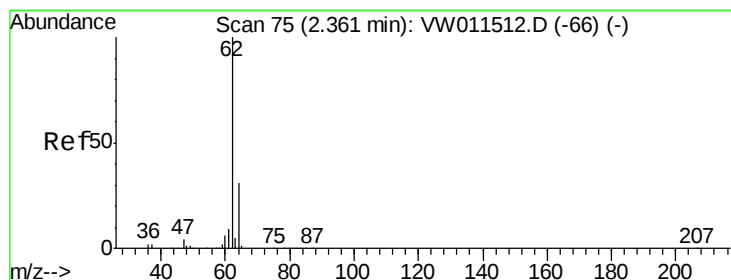
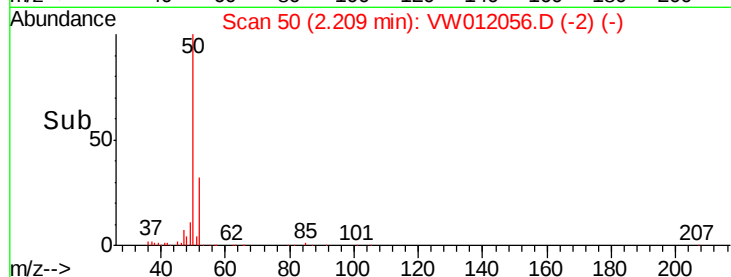
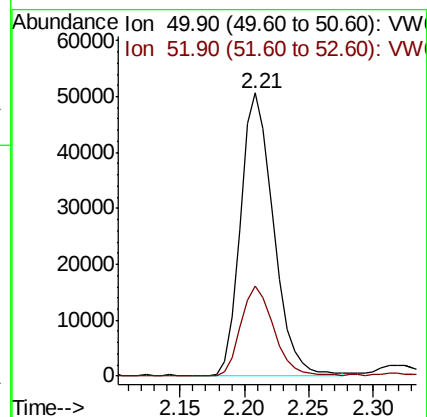
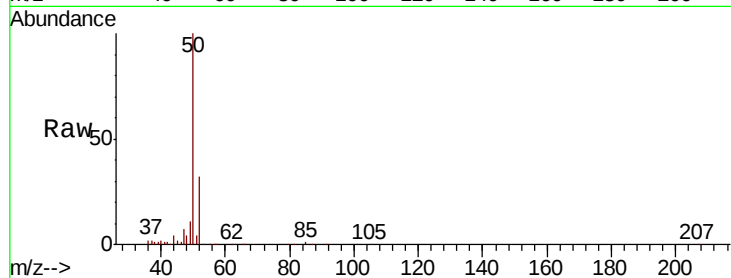
VSTDCCC050EC

Tgt Ion: 50 Resp: 89547

Ion Ratio Lower Upper

50 100

52 31.9 25.4 38.2



#4

Vinyl Chloride

Concen: 46.616 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012056.D

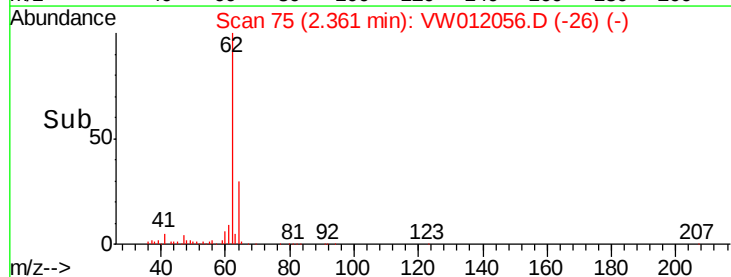
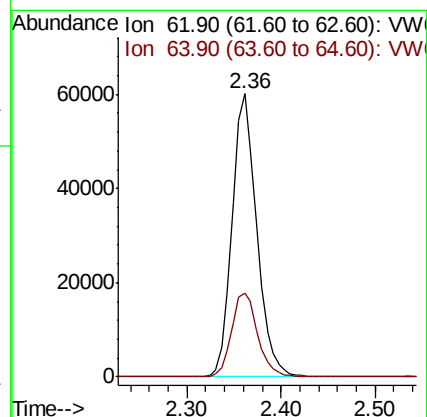
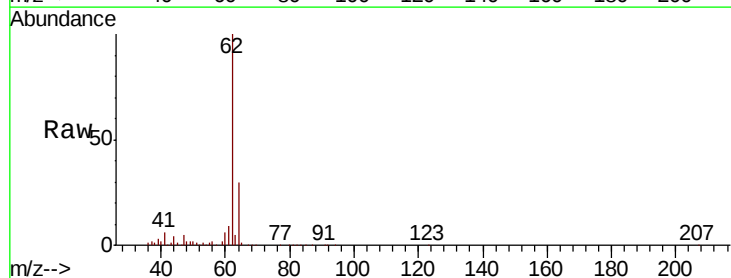
Acq: 21 Aug 2019 02:58

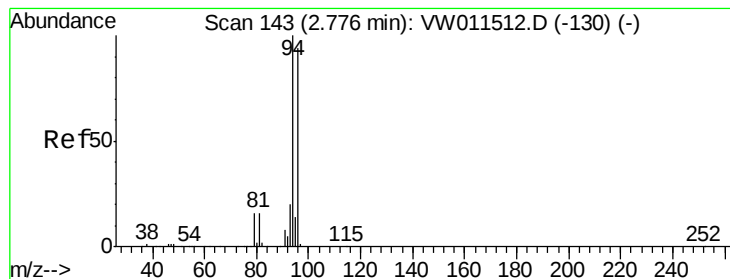
Tgt Ion: 62 Resp: 109453

Ion Ratio Lower Upper

62 100

64 29.6 25.0 37.4





#5

Bromomethane

Concen: 45.224 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.02 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Instrument :

MSVOA_W

ClientSampleId :

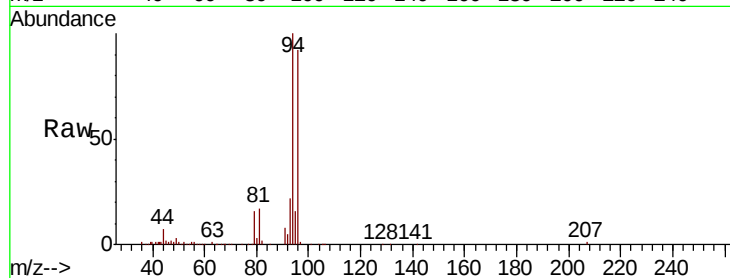
VSTDCCC050EC

Tgt Ion: 94 Resp: 58774

Ion Ratio Lower Upper

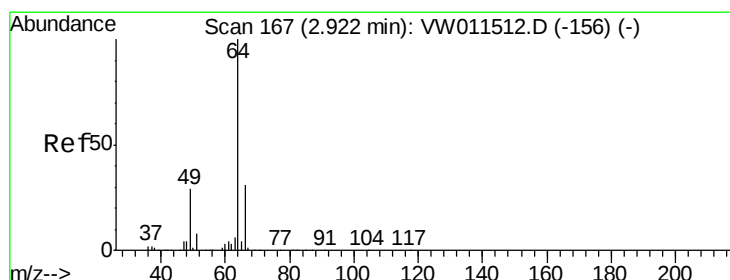
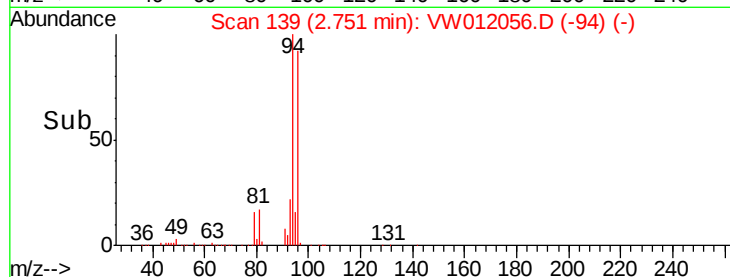
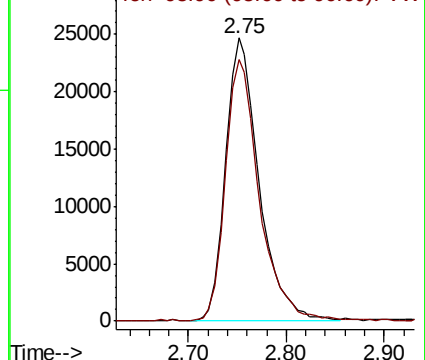
94 100

96 92.2 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 50.938 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW012056.D

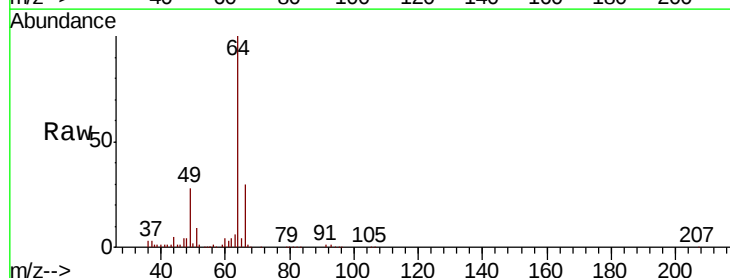
Acq: 21 Aug 2019 02:58

Tgt Ion: 64 Resp: 68318

Ion Ratio Lower Upper

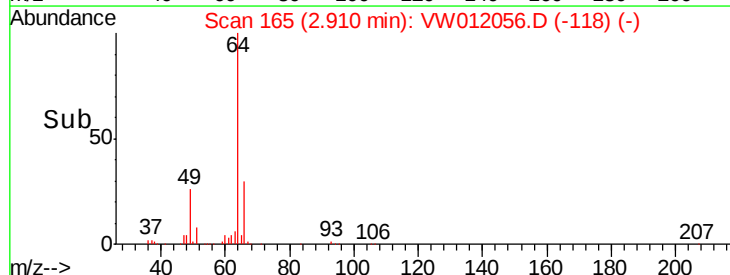
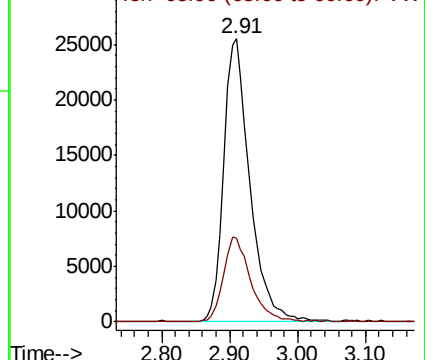
64 100

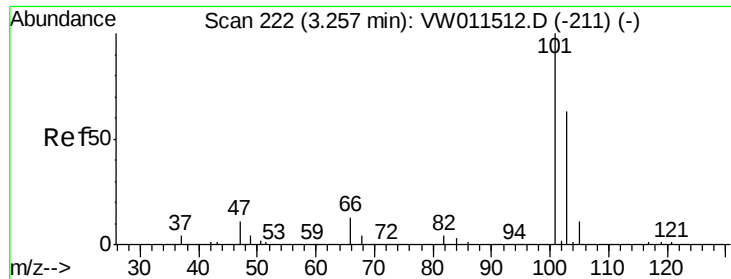
66 29.7 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



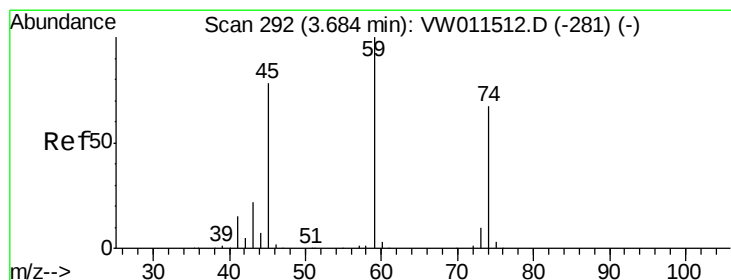
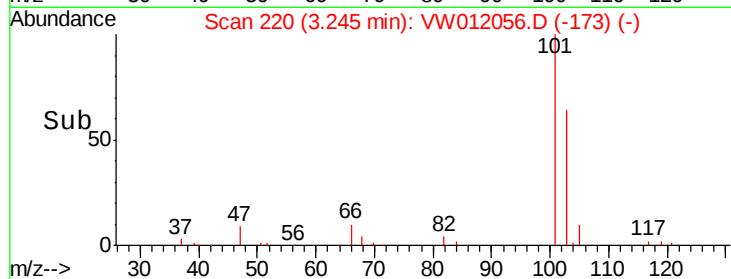
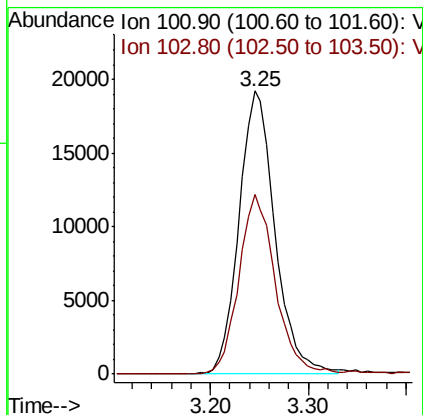
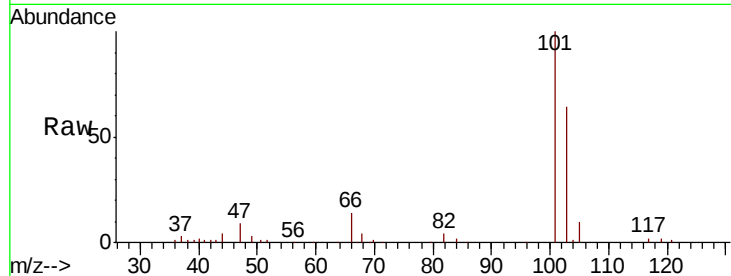


#7

Trichlorofluoromethane
 Concen: 46.803 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW012056.D
 Acq: 21 Aug 2019 02:58

Instrument :
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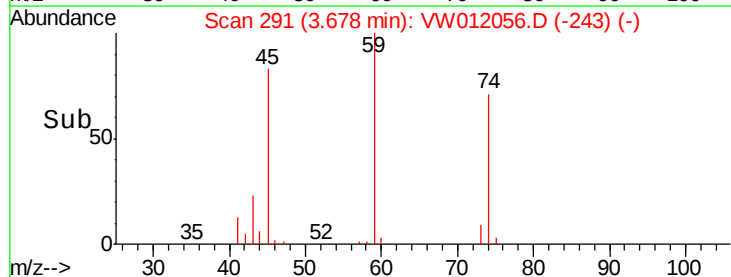
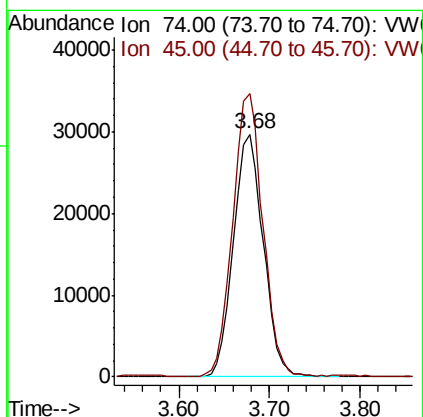
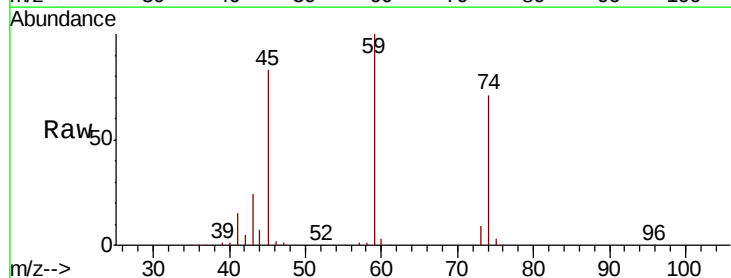
Tgt Ion: 101 Resp: 49112
 Ion Ratio Lower Upper
 101 100
 103 63.7 50.2 75.4

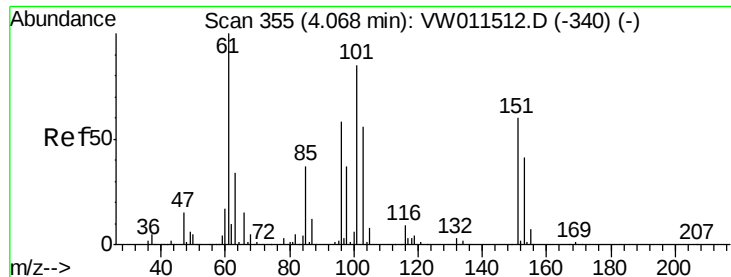


#8

Diethyl Ether
 Concen: 57.139 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW012056.D
 Acq: 21 Aug 2019 02:58

Tgt Ion: 74 Resp: 67981
 Ion Ratio Lower Upper
 74 100
 45 117.5 59.6 178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.230 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

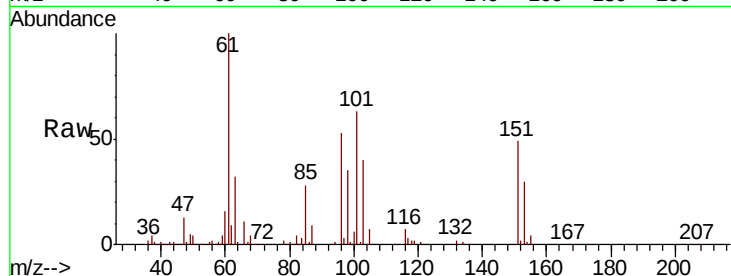
Tgt Ion:101 Resp: 101977

Ion Ratio Lower Upper

101 100

85 44.0 36.6 54.8

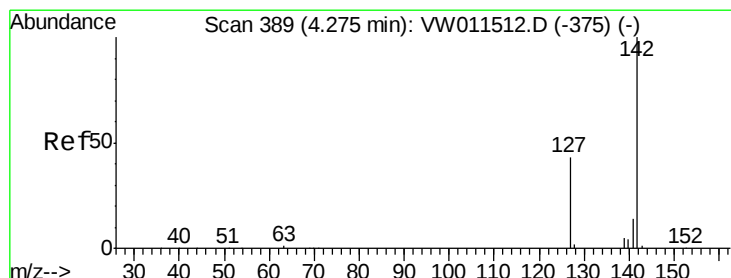
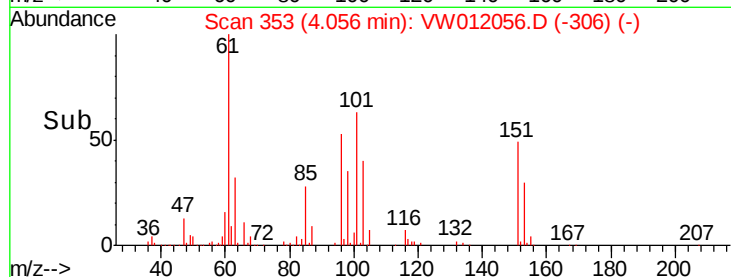
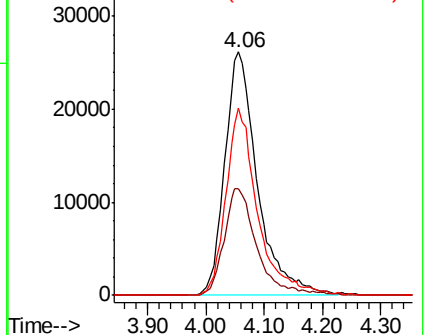
151 74.2 60.2 90.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 54.348 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

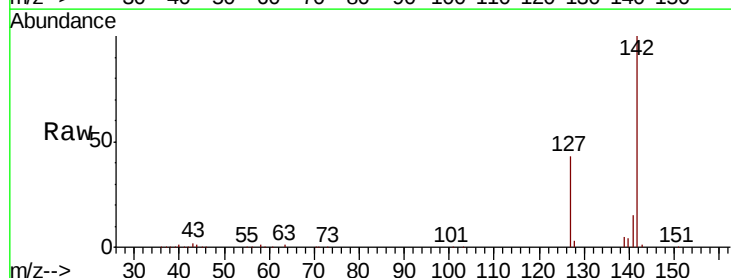
Tgt Ion:142 Resp: 152882

Ion Ratio Lower Upper

142 100

127 43.5 35.0 52.6

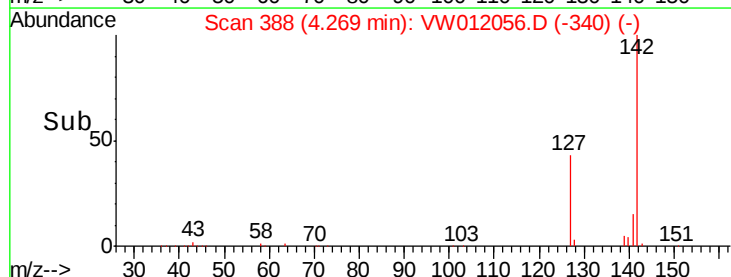
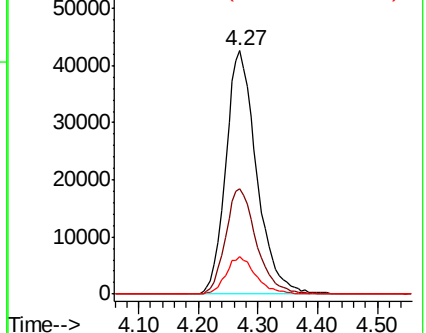
141 14.8 11.9 17.9

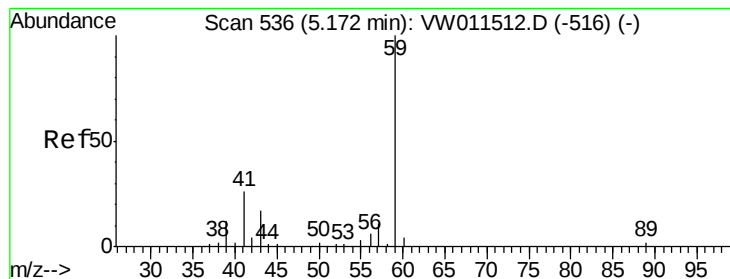


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



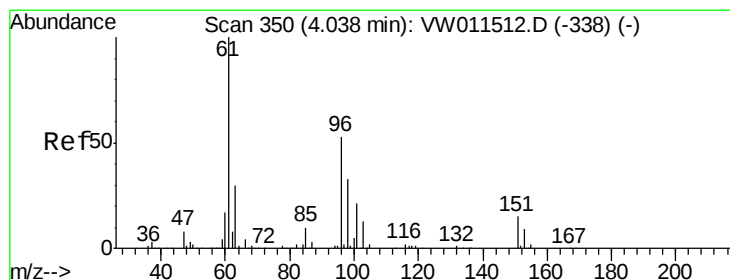
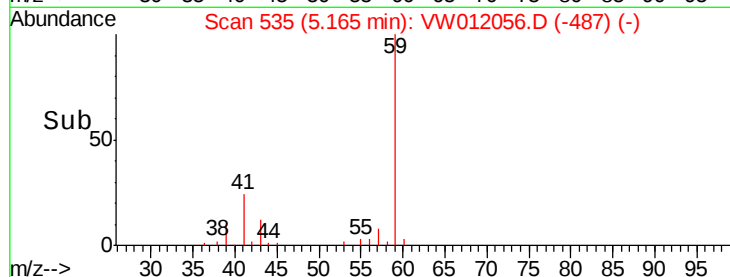
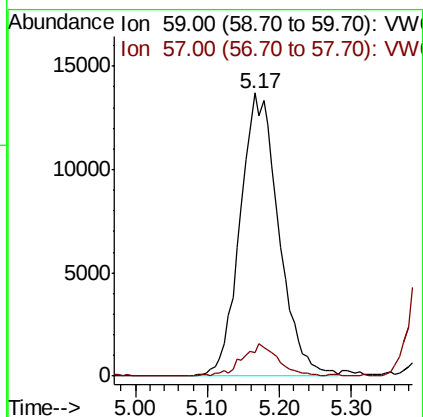
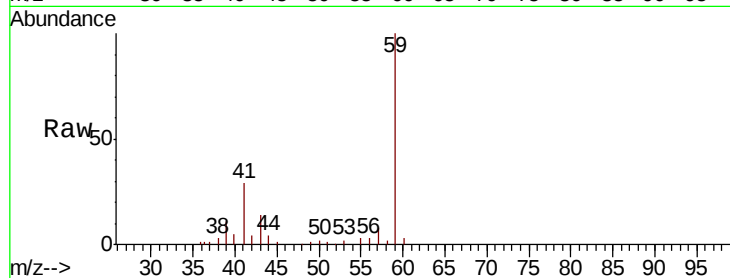


#11

Tert butyl alcohol
 Concen: 301.812 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VW012056.D
 Acq: 21 Aug 2019 02:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

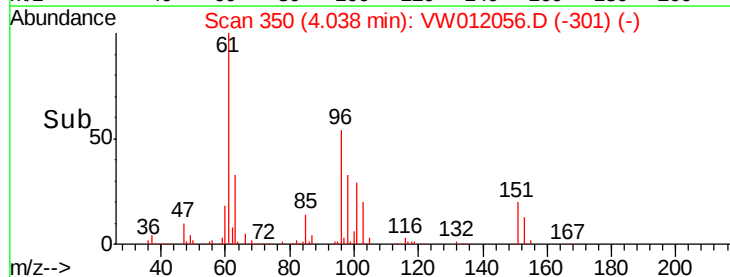
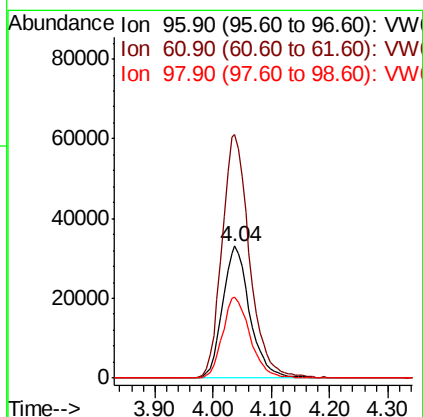
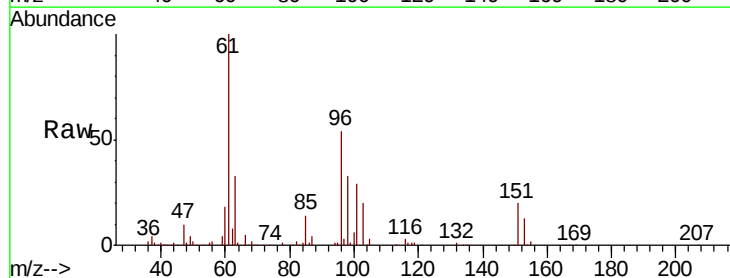
Tgt Ion: 59 Resp: 50983
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.5 12.7

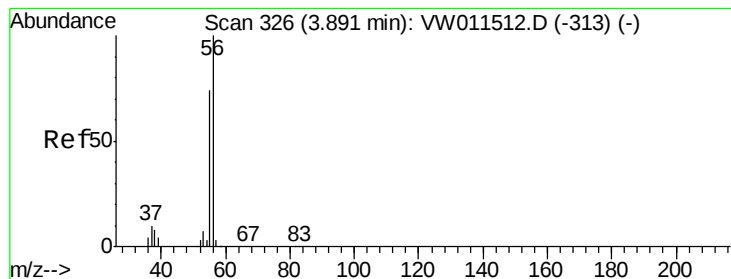


#12

1,1-Dichloroethene
 Concen: 51.085 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW012056.D
 Acq: 21 Aug 2019 02:58

Tgt Ion: 96 Resp: 107366
 Ion Ratio Lower Upper
 96 100
 61 184.5 149.9 224.9
 98 61.6 49.1 73.7





#13

Acrolein

Concen: 253.871 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Instrument :

MSVOA_W

ClientSampleId :

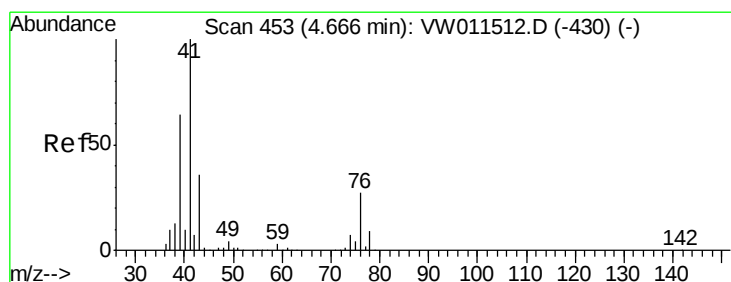
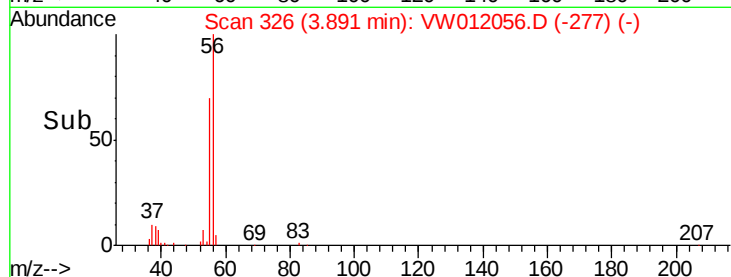
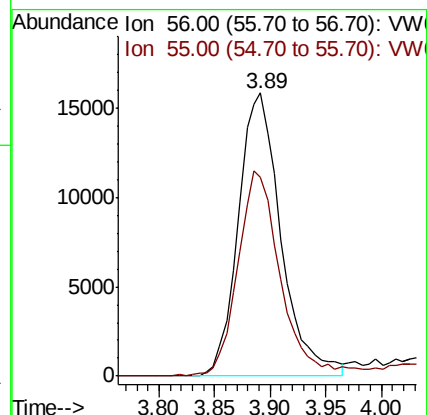
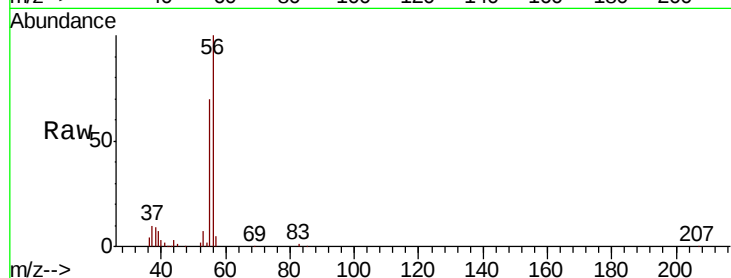
VSTDCCC050EC

Tgt Ion: 56 Resp: 42212

Ion Ratio Lower Upper

56 100

55 73.4 56.0 84.0



#14

Allyl chloride

Concen: 50.338 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

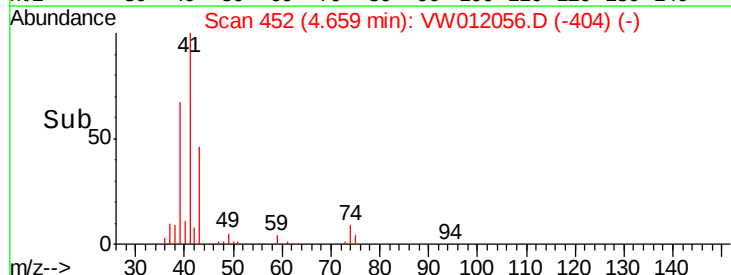
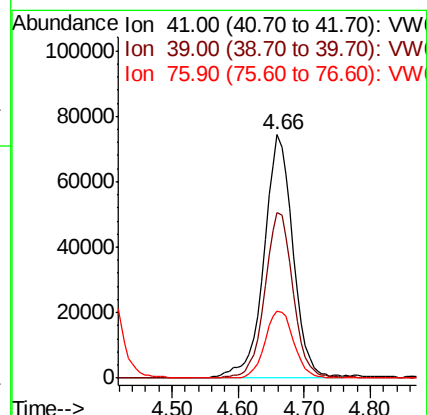
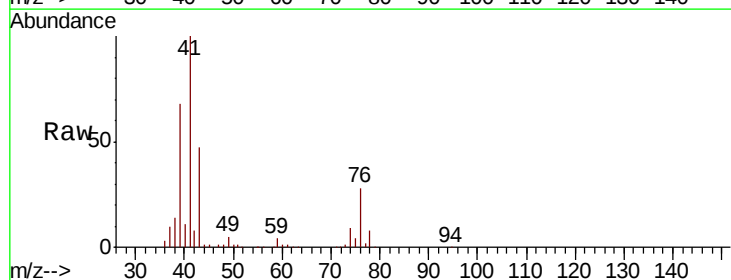
Tgt Ion: 41 Resp: 225018

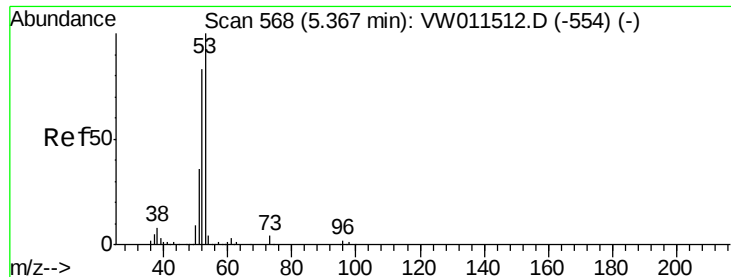
Ion Ratio Lower Upper

41 100

39 66.8 52.6 78.8

76 27.6 22.0 33.0





#15

Acrylonitrile

Concen: 311.019 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

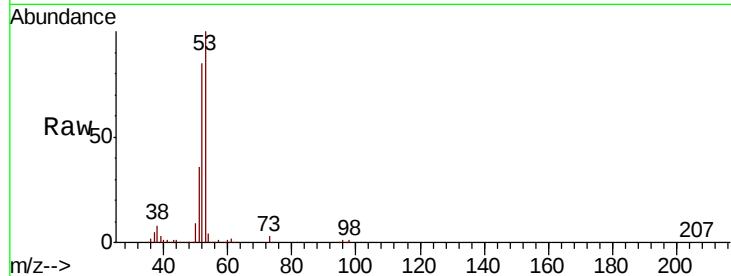
Tgt Ion: 53 Resp: 184718

Ion Ratio Lower Upper

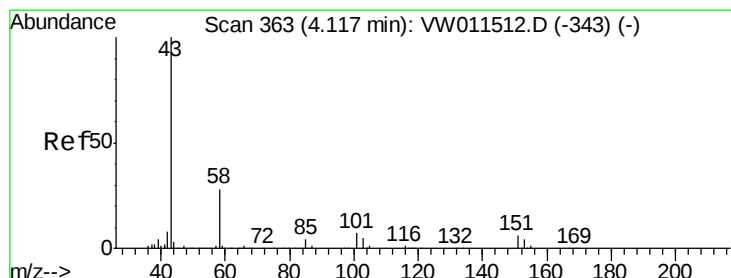
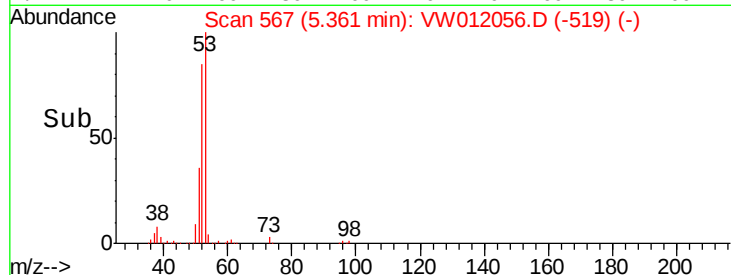
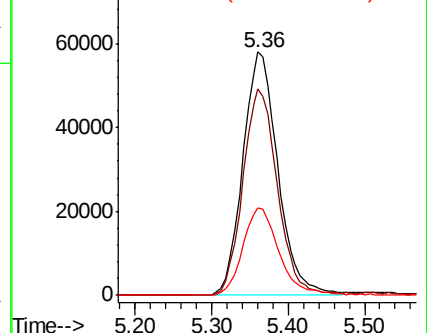
53 100

52 83.5 67.2 100.8

51 37.0 30.0 45.0



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 209.070 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW012056.D

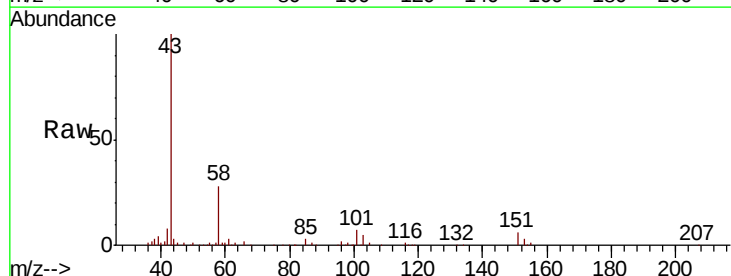
Acq: 21 Aug 2019 02:58

Tgt Ion: 43 Resp: 154112

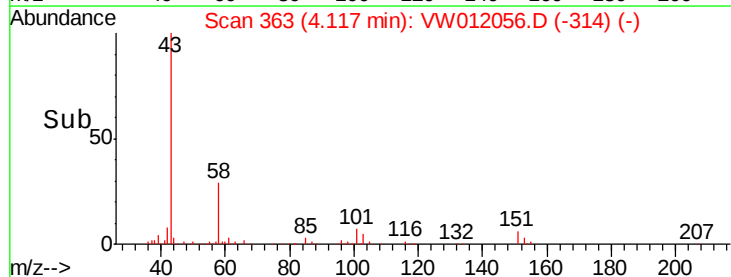
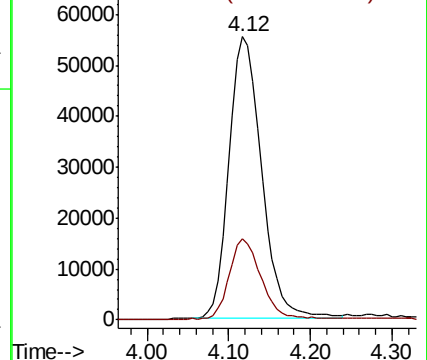
Ion Ratio Lower Upper

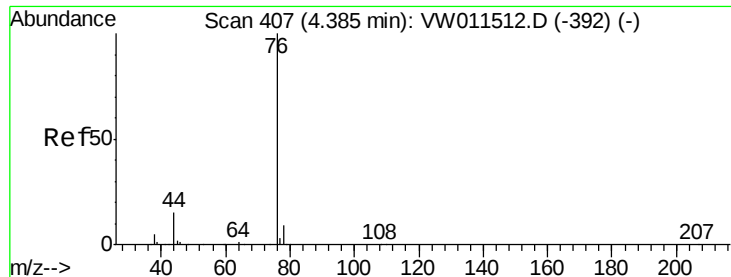
43 100

58 28.1 22.3 33.5



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

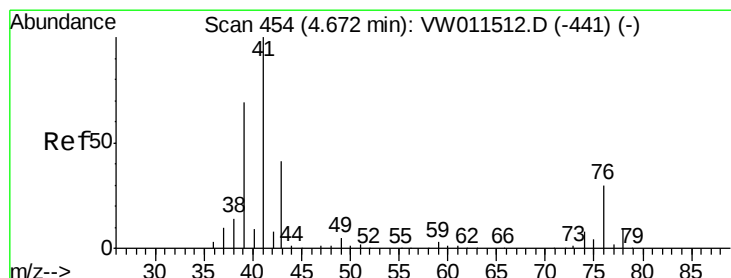
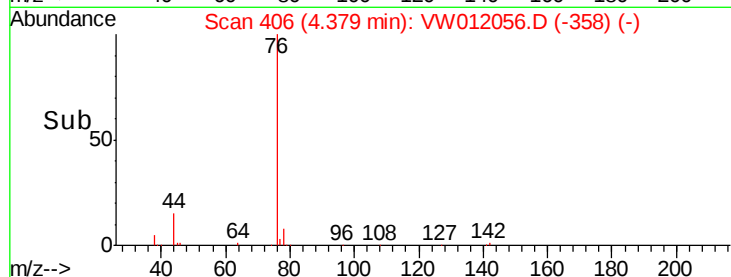
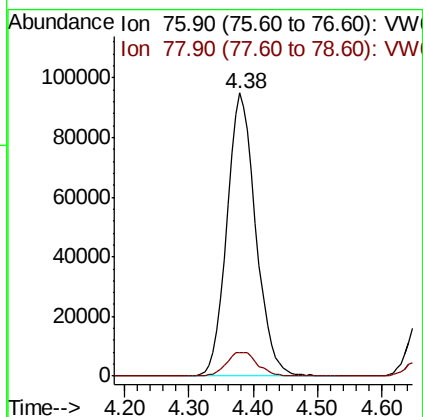
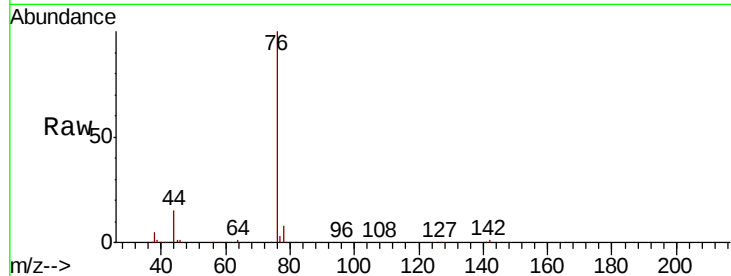




#17
Carbon Disulfide
Concen: 45.200 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

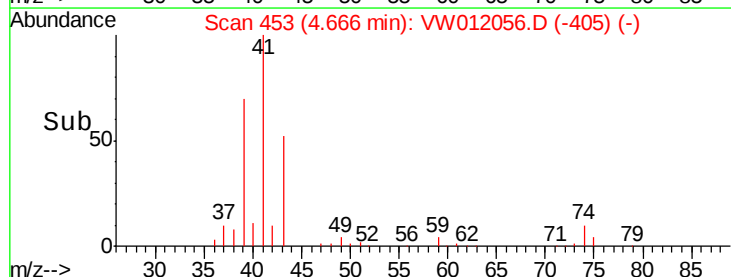
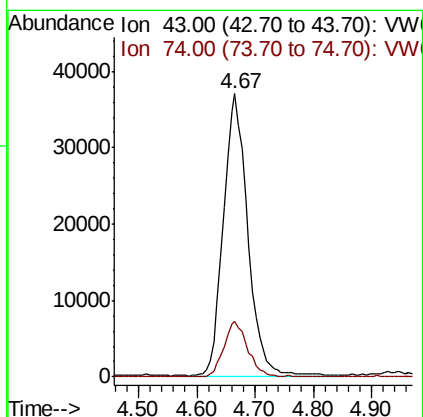
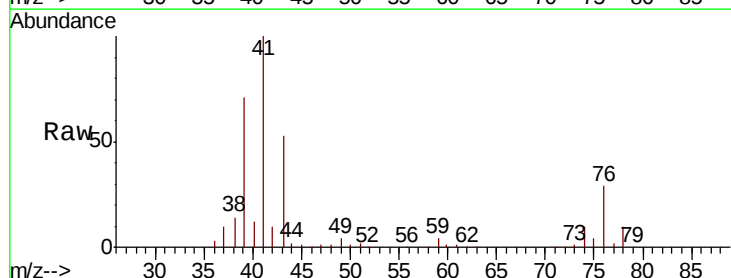
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

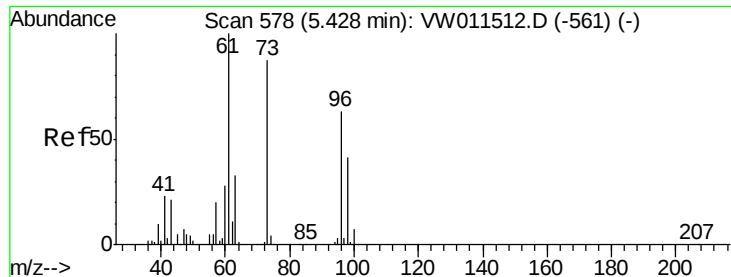
Tgt Ion: 76 Resp: 297329
Ion Ratio Lower Upper
76 100
78 8.5 7.1 10.7



#18
Methyl Acetate
Concen: 64.664 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Tgt Ion: 43 Resp: 107080
Ion Ratio Lower Upper
43 100
74 19.2 15.9 23.9

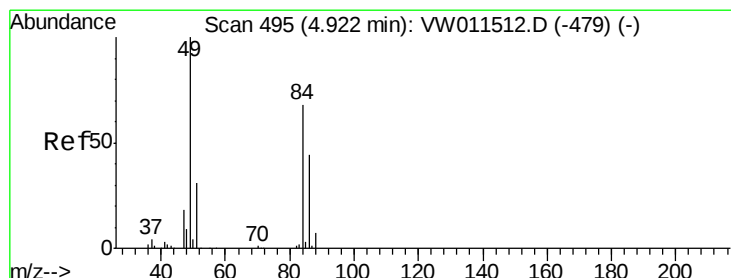
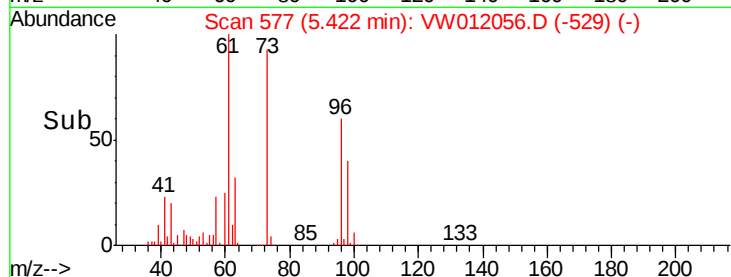
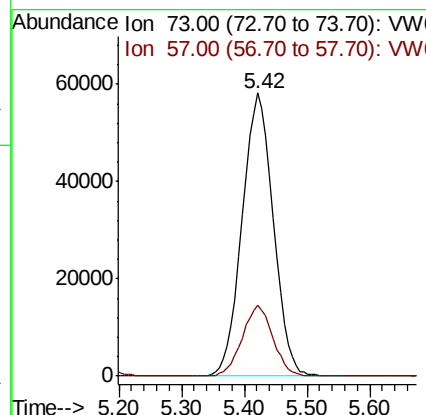
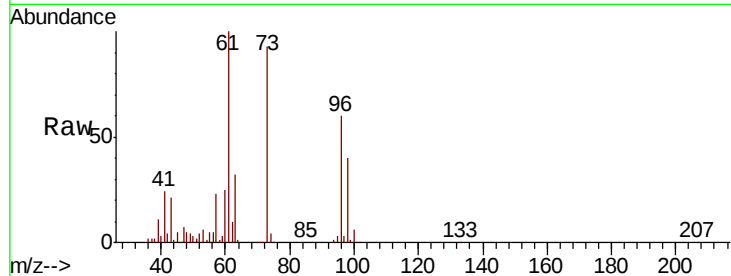




#19
Methyl tert-butyl Ether
Concen: 59.996 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

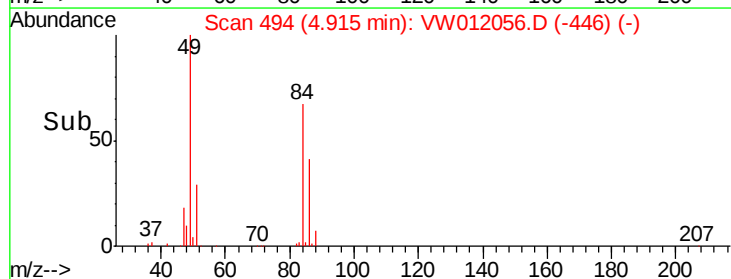
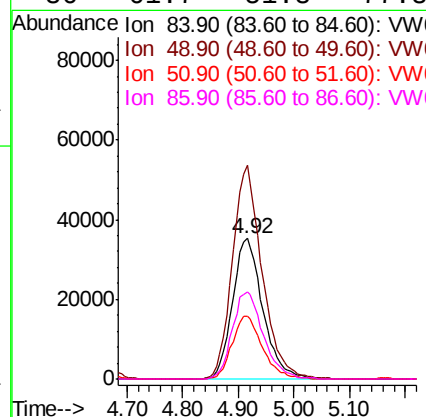
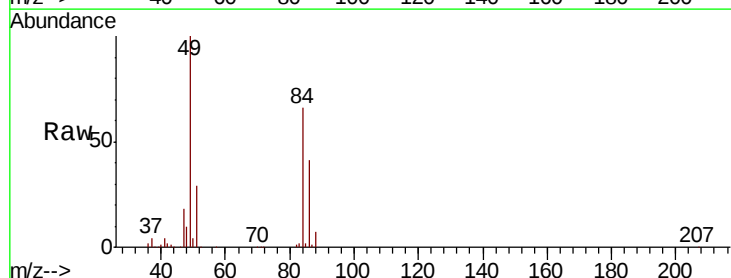
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

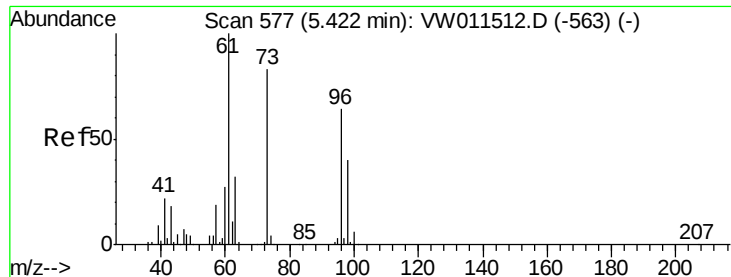
Tgt Ion: 73 Resp: 200100
Ion Ratio Lower Upper
73 100
57 24.9 18.4 27.6



#20
Methylene Chloride
Concen: 52.190 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Tgt Ion: 84 Resp: 132678
Ion Ratio Lower Upper
84 100
49 152.0 117.8 176.6
51 44.4 37.0 55.4
86 61.7 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 52.352 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

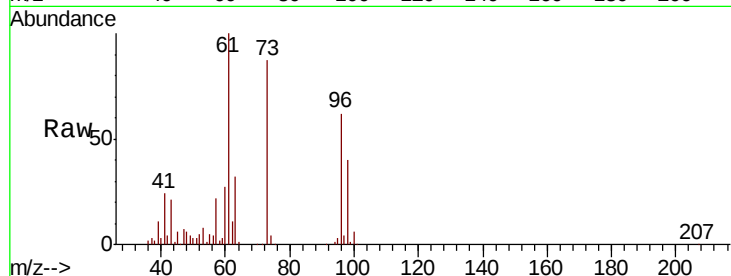
Tgt Ion: 96 Resp: 118624

Ion Ratio Lower Upper

96 100

61 161.6 125.7 188.5

98 65.3 50.3 75.5

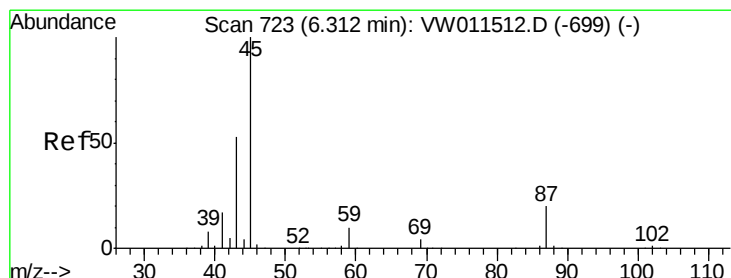
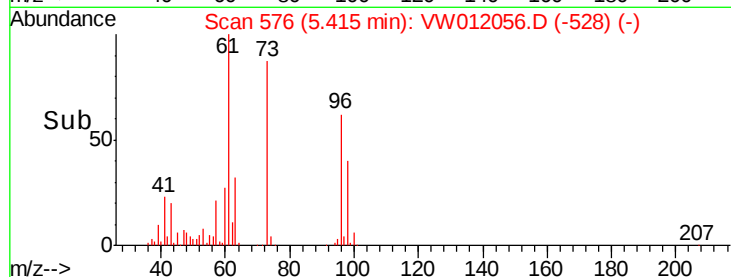
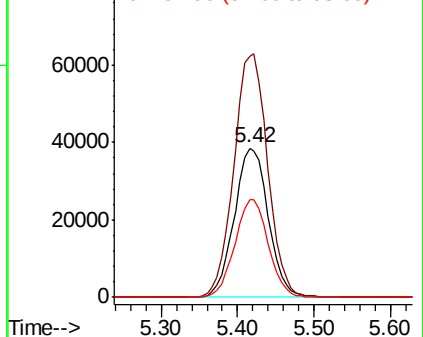


Abundance

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: 57.025 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Tgt Ion: 45 Resp: 480600

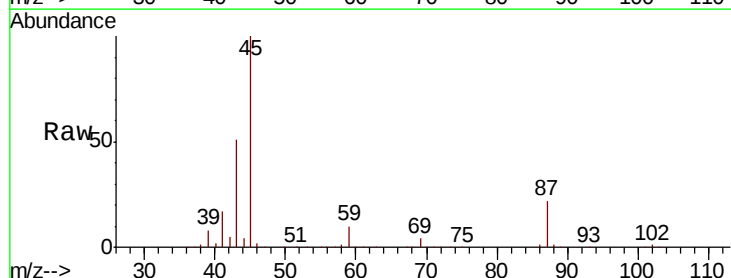
Ion Ratio Lower Upper

45 100

43 50.6 42.6 63.8

87 21.8 16.4 24.6

59 10.2 8.2 12.2



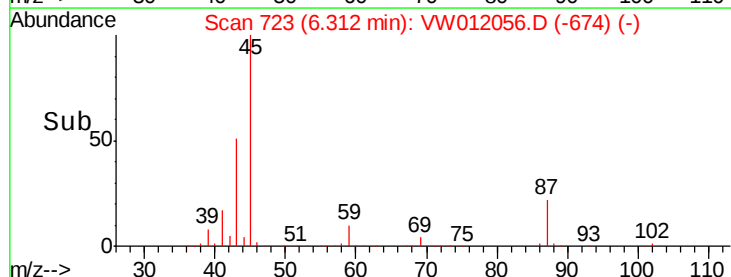
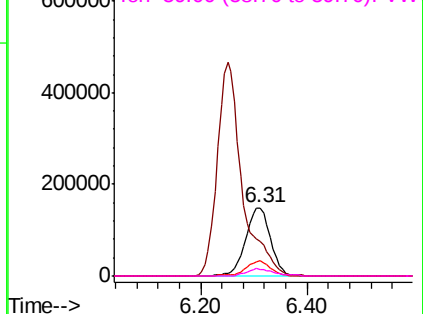
Abundance

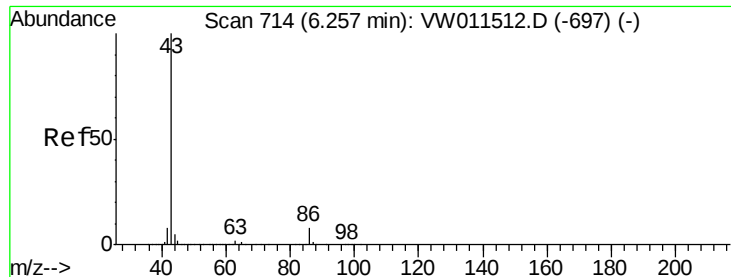
Ion 45.00 (44.70 to 45.70): VW

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: 287.166 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Instrument :

MSVOA_W

ClientSampleId :

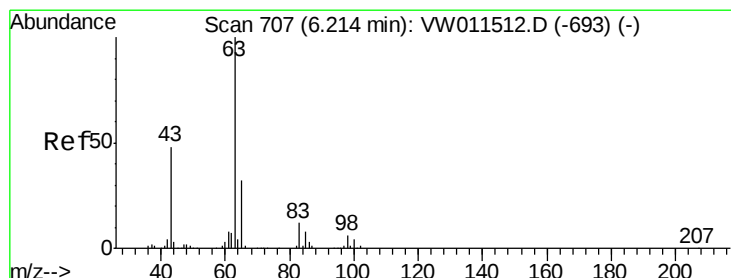
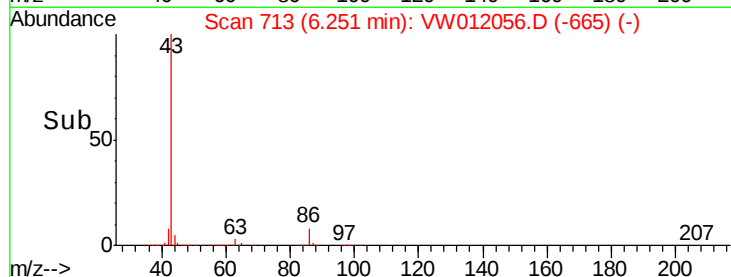
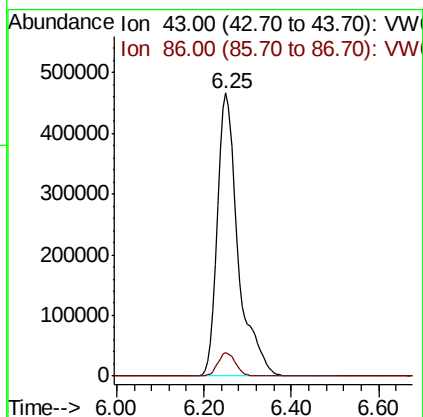
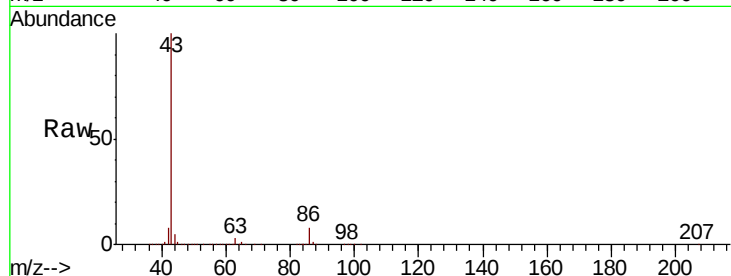
VSTDCCC050EC

Tgt Ion: 43 Resp: 1520755

Ion Ratio Lower Upper

43 100

86 8.4 6.5 9.7



#24

1,1-Dichloroethane

Concen: 55.352 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

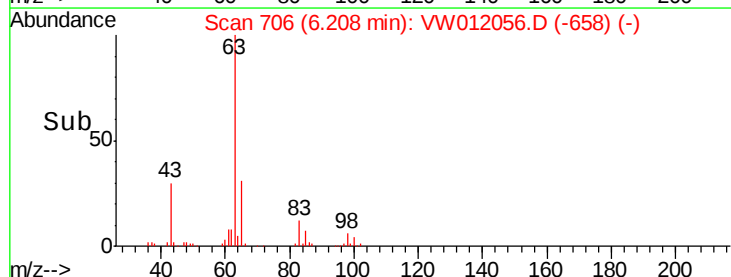
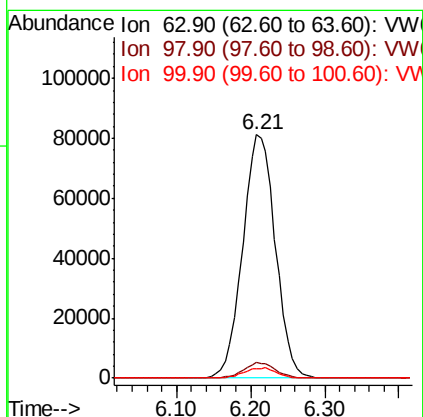
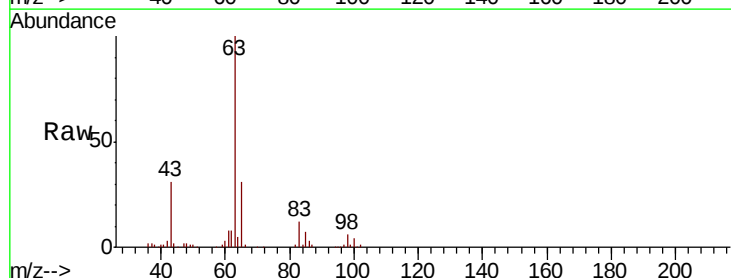
Tgt Ion: 63 Resp: 249845

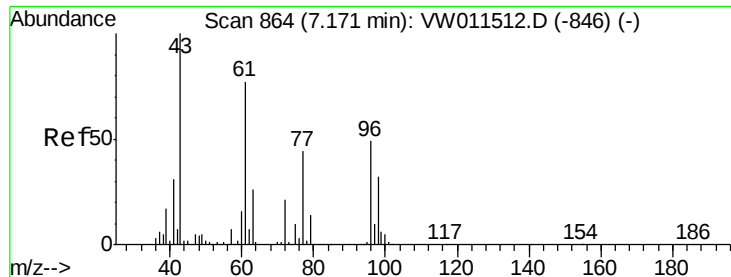
Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.8

100 3.9 2.1 6.3

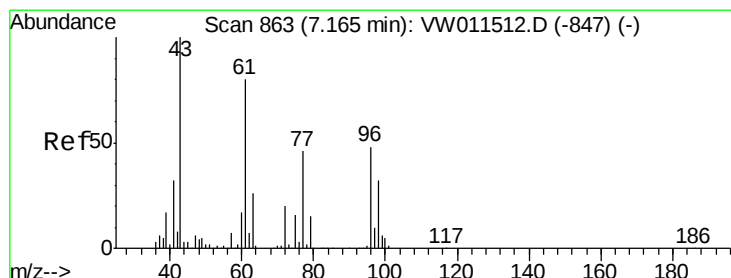
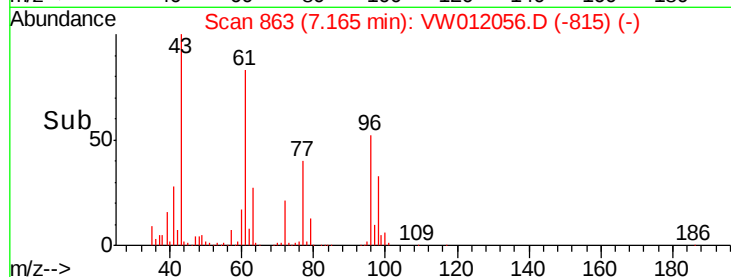
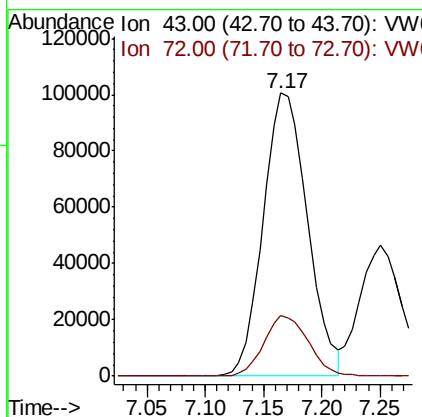
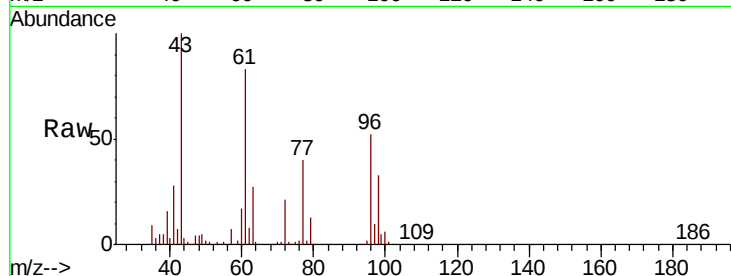




#25
2-Butanone
Concen: 275.061 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

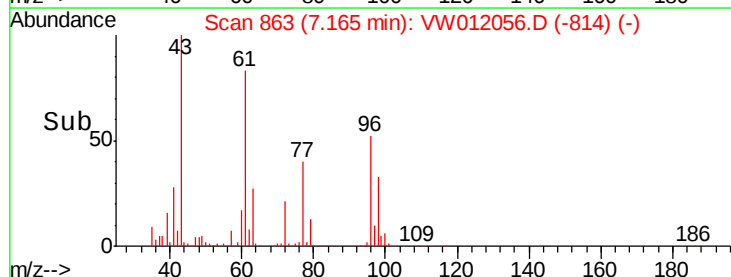
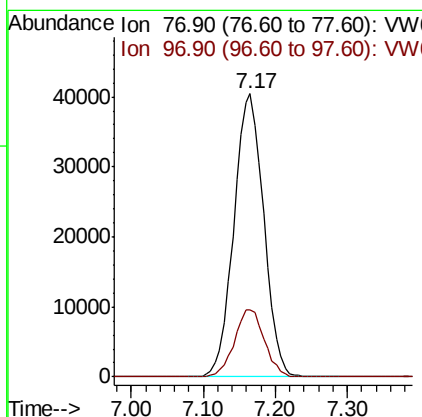
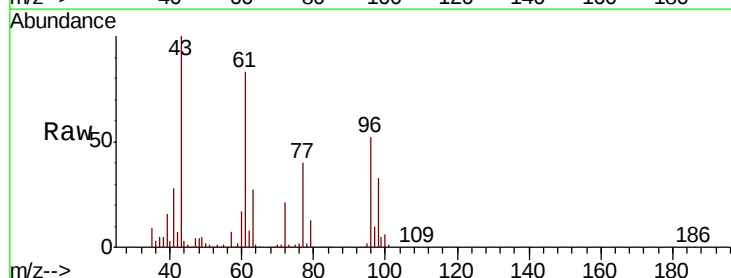
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

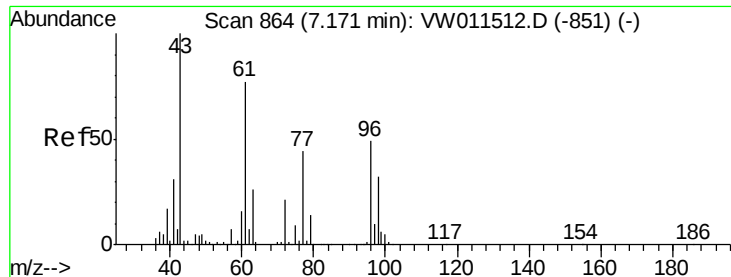
Tgt Ion: 43 Resp: 265312
Ion Ratio Lower Upper
43 100
72 21.4 16.6 24.8



#26
2,2-Dichloropropane
Concen: 41.845 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Tgt Ion: 77 Resp: 116158
Ion Ratio Lower Upper
77 100
97 24.0 10.8 32.4



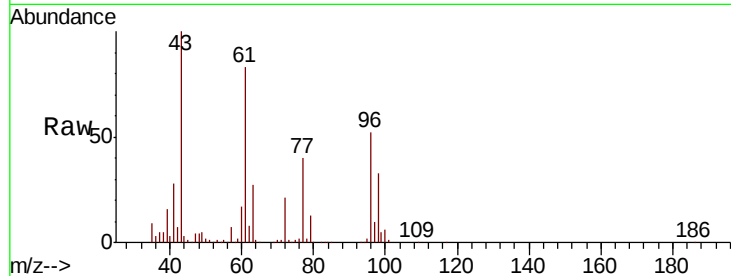


#27

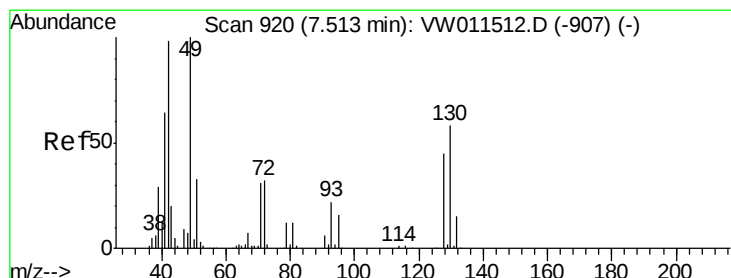
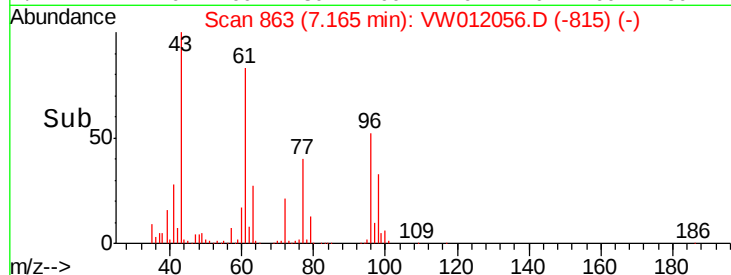
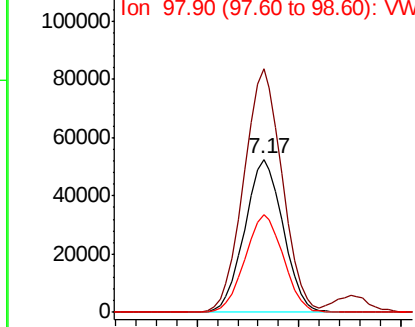
cis-1,2-Dichloroethene
Concen: 55.228 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 137729
Ion Ratio Lower Upper
96 100
61 158.8 0.0 328.4
98 63.6 0.0 128.8



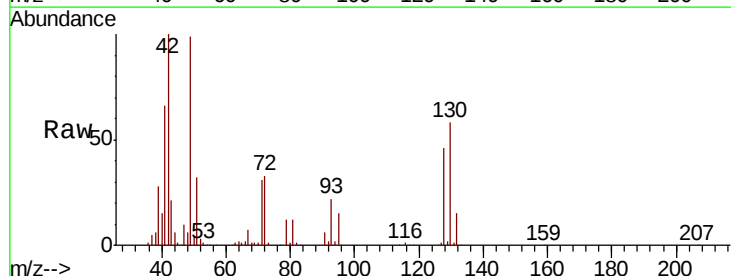
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



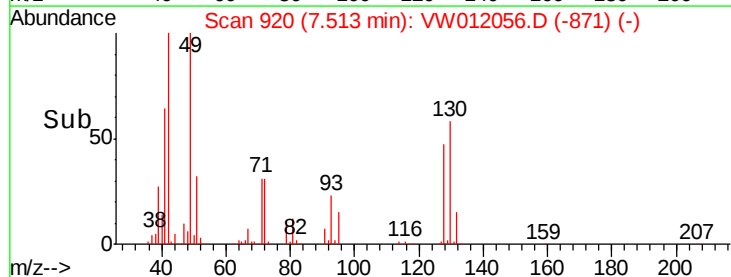
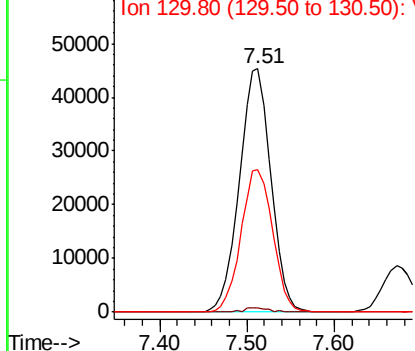
#28

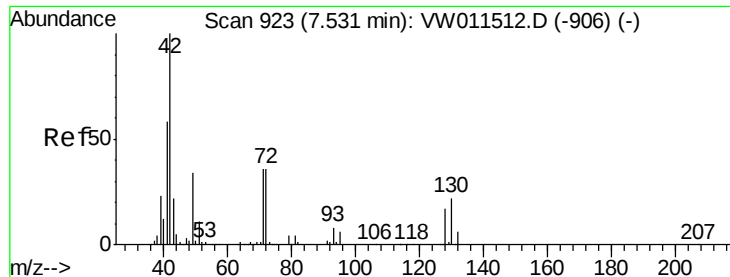
Bromochloromethane
Concen: 56.707 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Tgt Ion: 49 Resp: 113611
Ion Ratio Lower Upper
49 100
129 1.4 0.0 1.0#
130 58.7 46.3 69.5



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

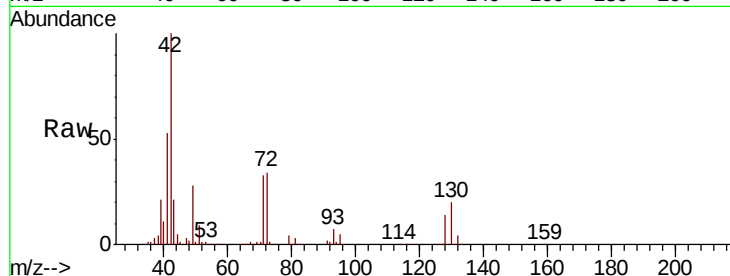




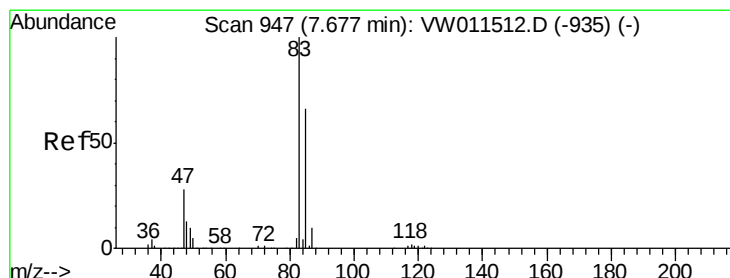
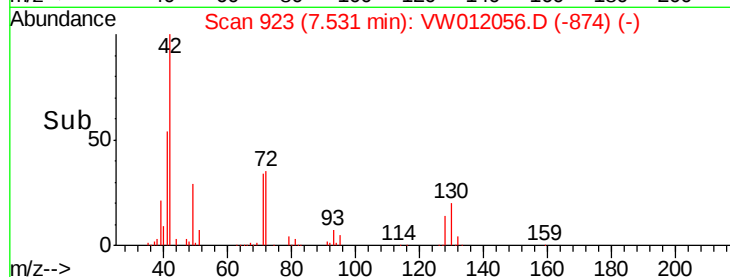
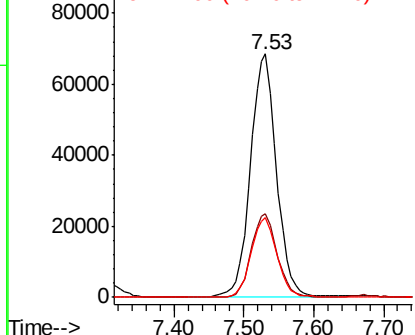
#29
Tetrahydrofuran
Concen: 321.662 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 177348
Ion Ratio Lower Upper
42 100
72 34.1 27.1 40.7
71 32.4 26.2 39.4

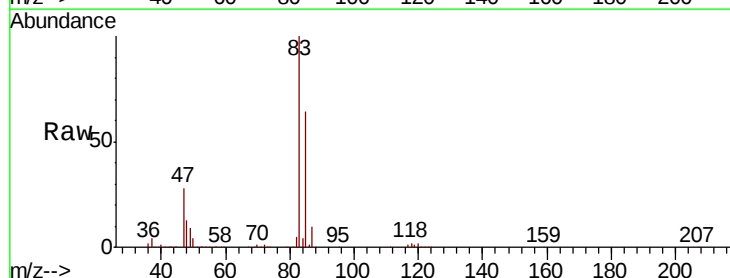


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

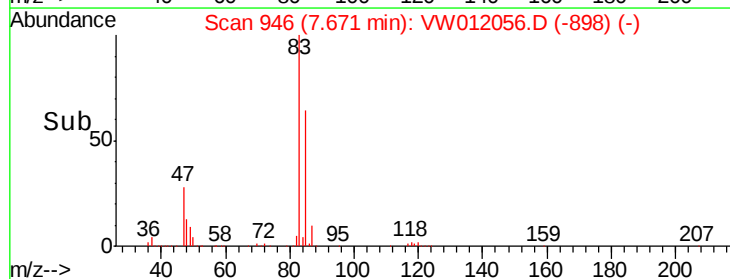
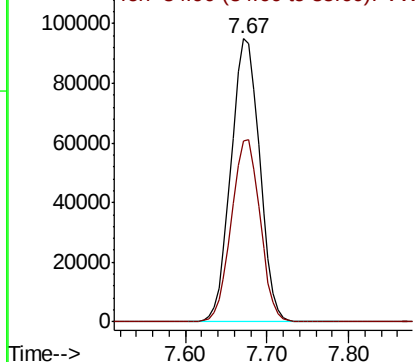


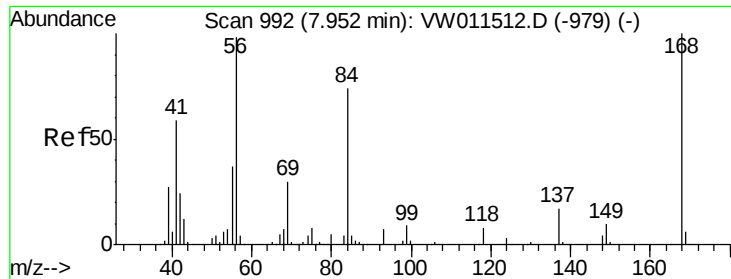
#30
Chloroform
Concen: 55.404 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Tgt Ion: 83 Resp: 230715
Ion Ratio Lower Upper
83 100
85 63.9 52.5 78.7



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

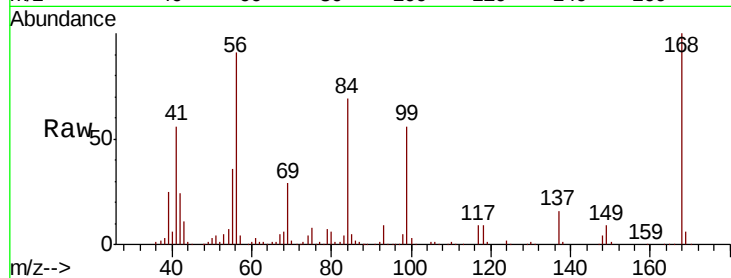




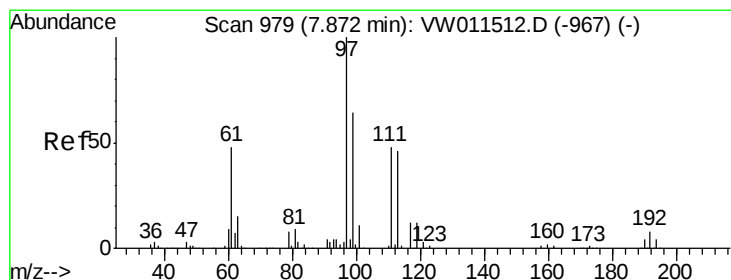
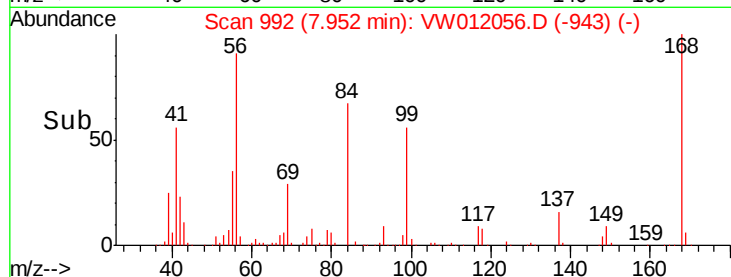
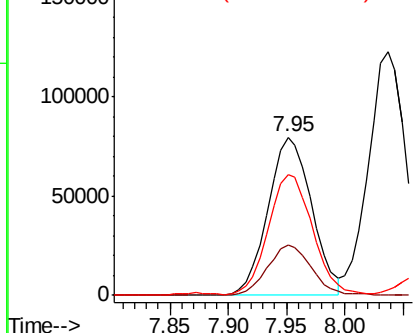
#31
Cyclohexane
Concen: 47.927 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 207659
Ion Ratio Lower Upper
56 100
69 31.7 24.3 36.5
84 74.9 60.4 90.6

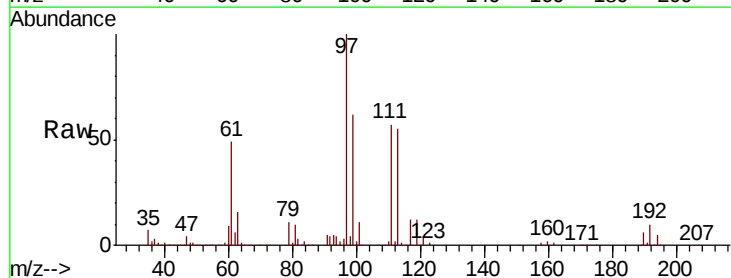


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

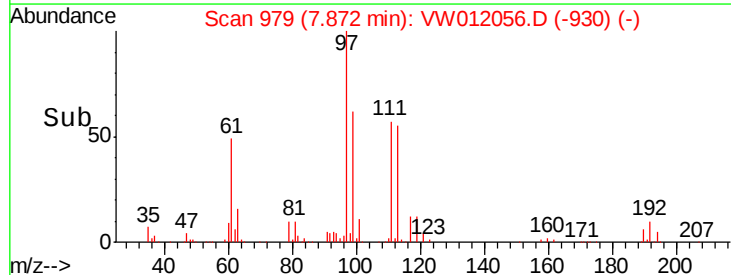
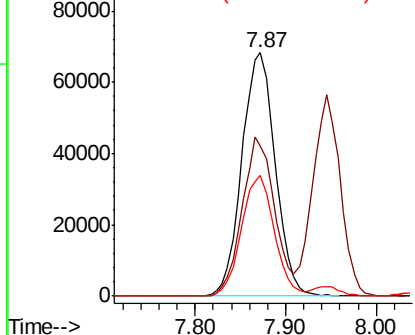


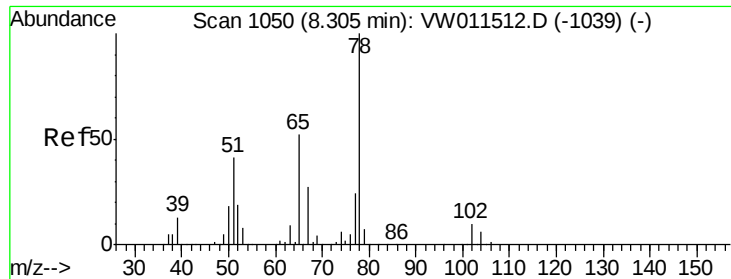
#32
1,1,1-Trichloroethane
Concen: 54.899 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Tgt Ion: 97 Resp: 174103
Ion Ratio Lower Upper
97 100
99 63.8 51.0 76.6
61 48.8 39.8 59.6



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

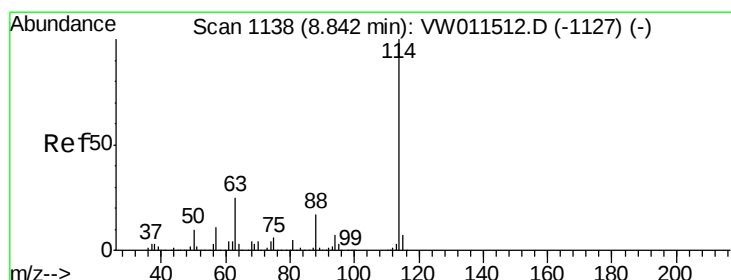
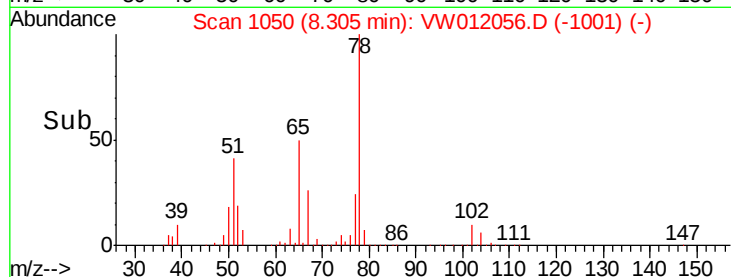
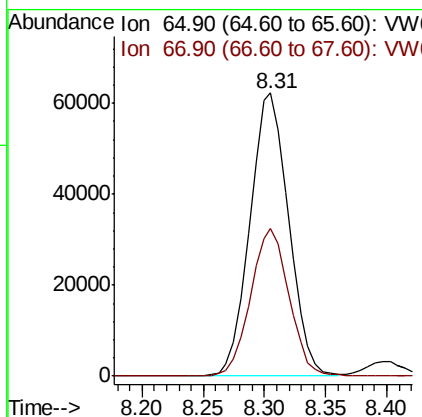
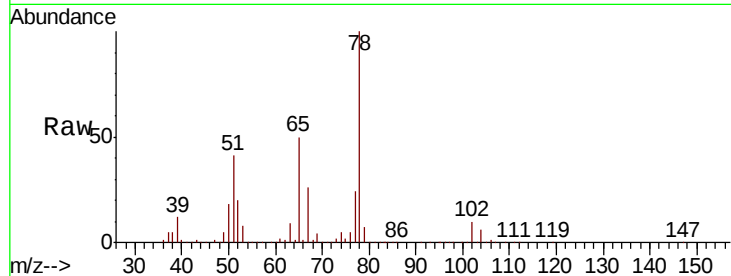




#33
 1,2-Dichloroethane-d4
 Concen: 59.192 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012056.D
 Acq: 21 Aug 2019 02:58

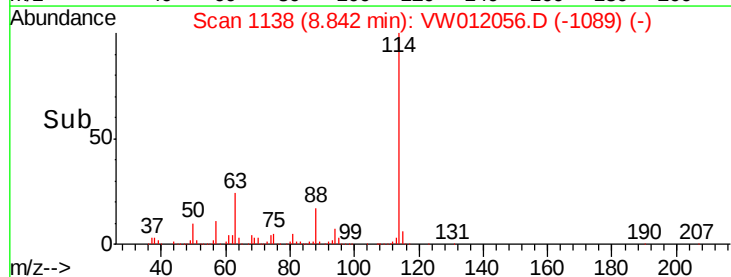
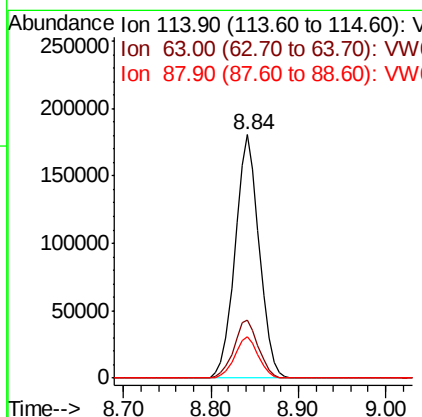
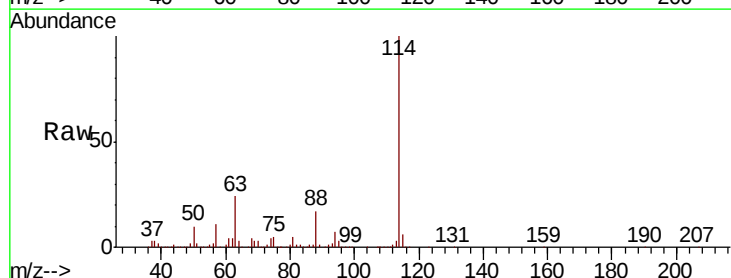
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

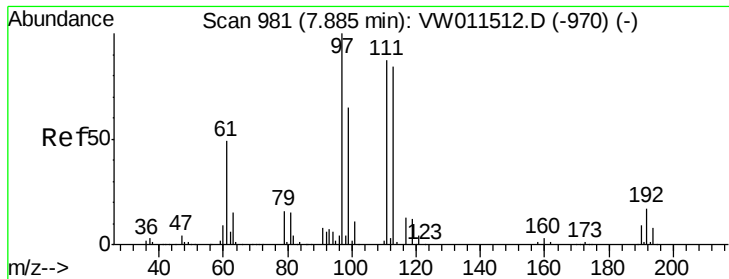
Tgt Ion: 65 Resp: 137166
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012056.D
 Acq: 21 Aug 2019 02:58

Tgt Ion: 114 Resp: 344359
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 49.2
 88 17.0 0.0 33.8

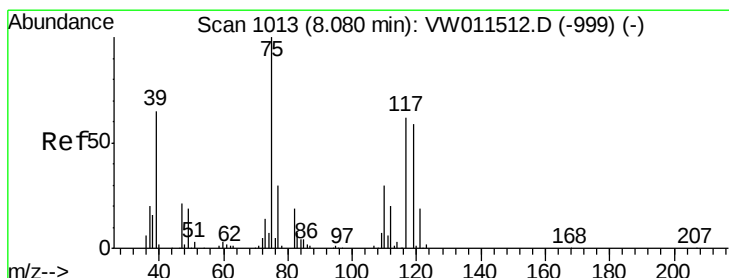
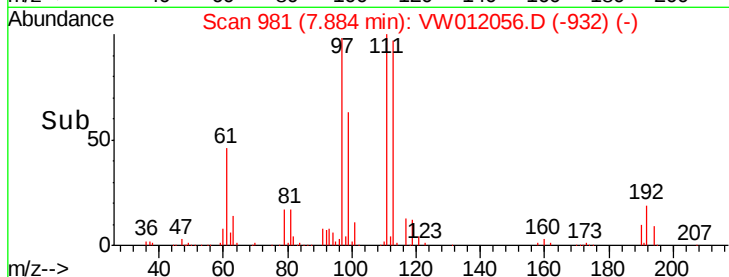
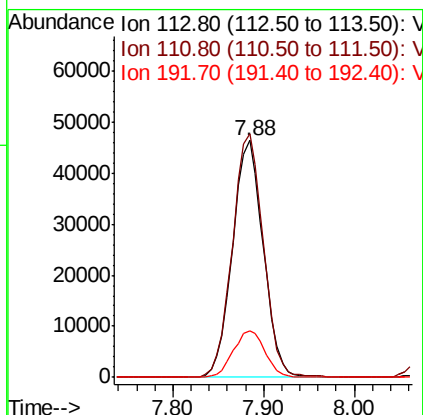
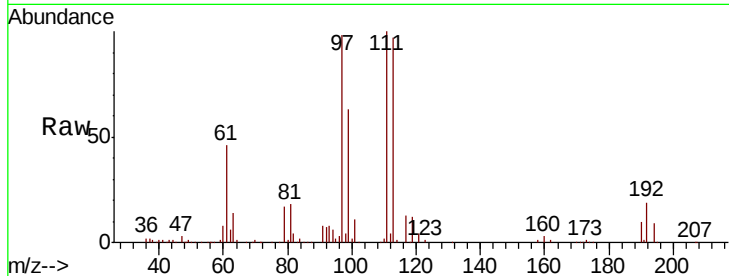




#35
 Dibromofluoromethane
 Concen: 56.365 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012056.D
 Acq: 21 Aug 2019 02:58

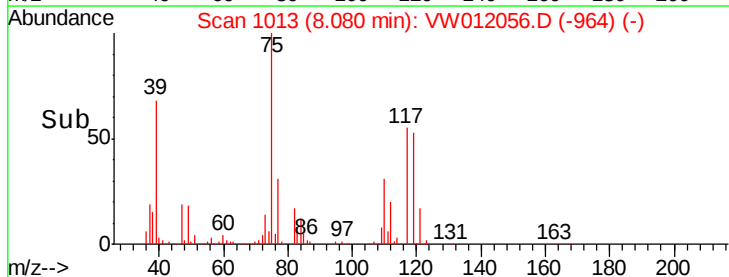
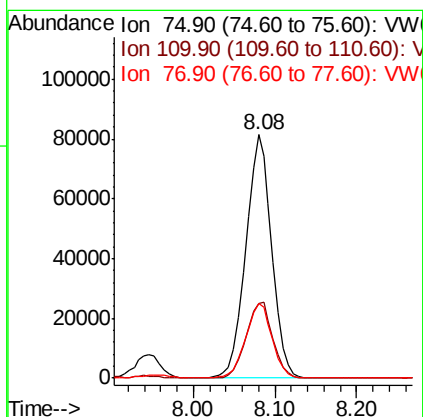
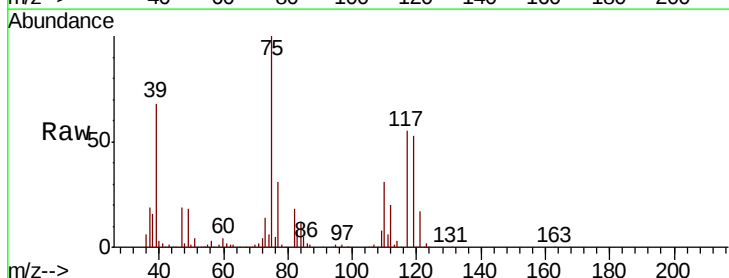
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

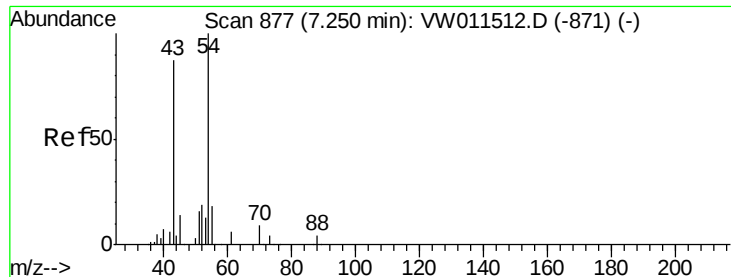
Tgt Ion:113 Resp: 108892
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.7 124.1
 192 20.3 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 49.979 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012056.D
 Acq: 21 Aug 2019 02:58

Tgt Ion: 75 Resp: 178961
 Ion Ratio Lower Upper
 75 100
 110 32.0 15.6 46.8
 77 31.3 24.3 36.5

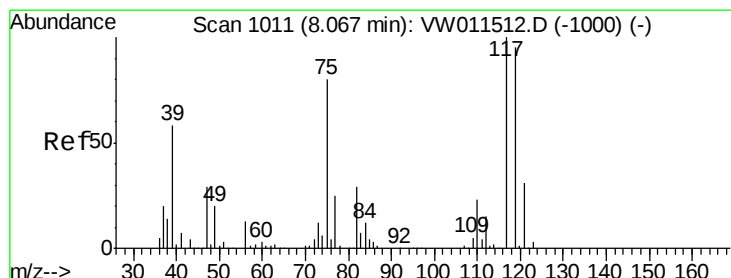
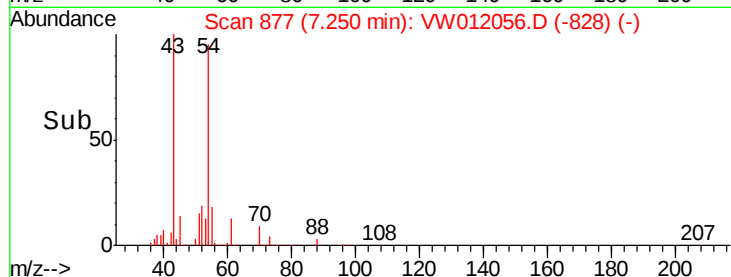
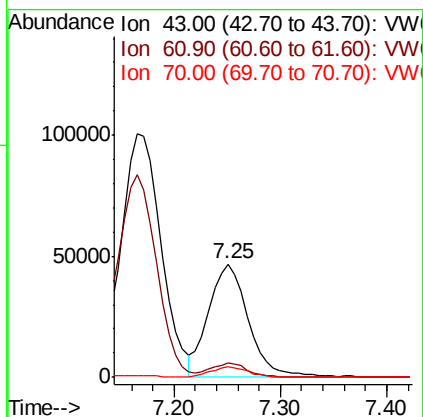
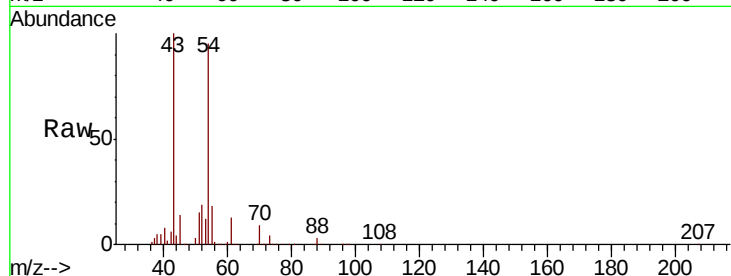




#37
Ethyl Acetate
Concen: 57.836 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

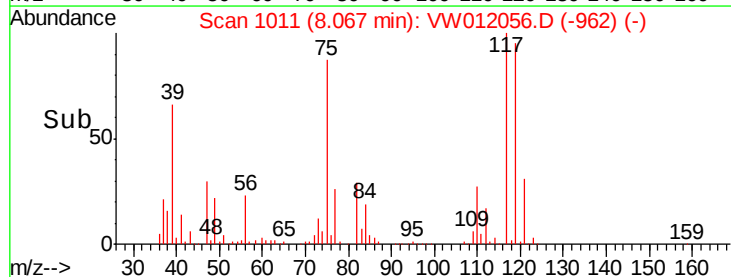
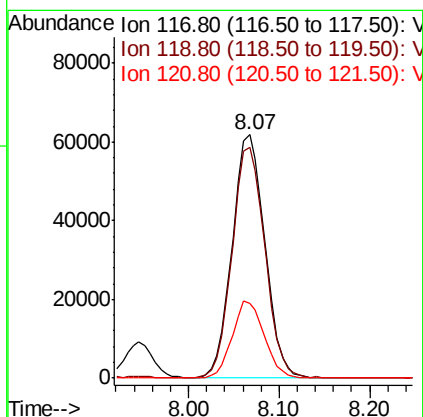
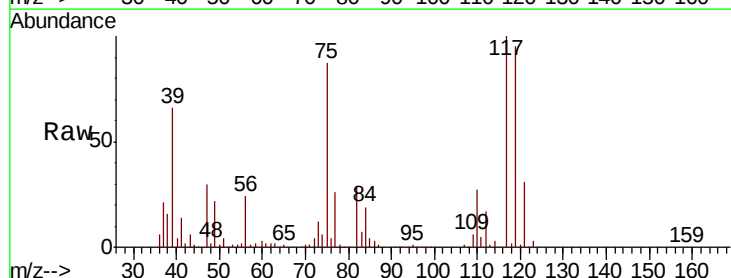
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

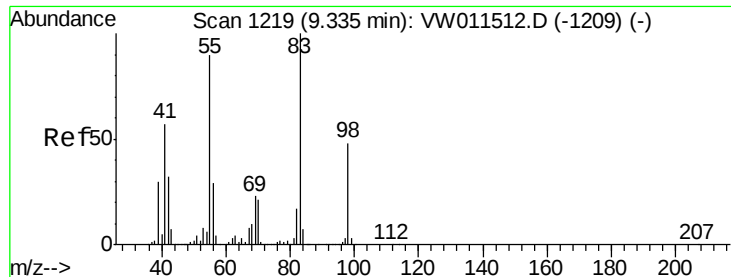
Tgt Ion: 43 Resp: 119147
Ion Ratio Lower Upper
43 100
61 12.2 8.8 13.2
70 9.2 7.1 10.7



#38
Carbon Tetrachloride
Concen: 50.462 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Tgt Ion: 117 Resp: 154682
Ion Ratio Lower Upper
117 100
119 94.8 75.8 113.6
121 30.9 24.7 37.1

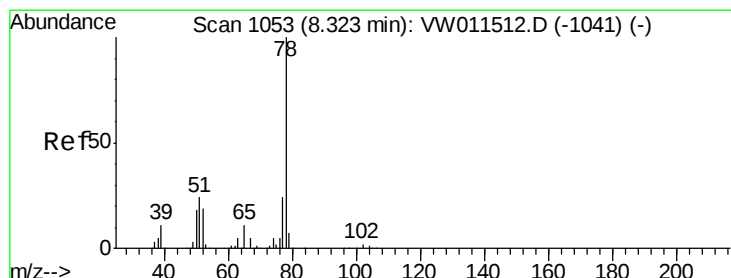
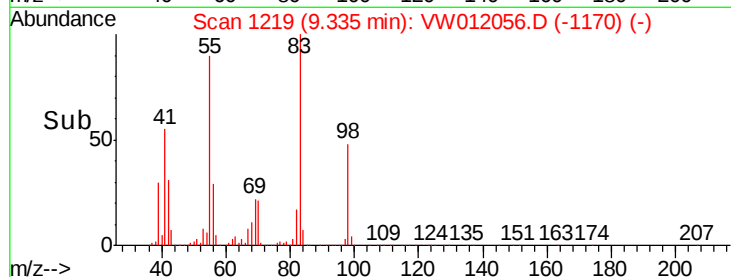
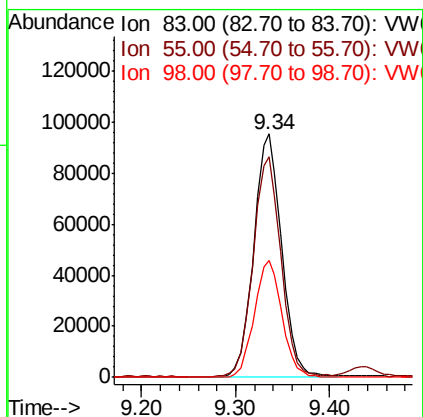
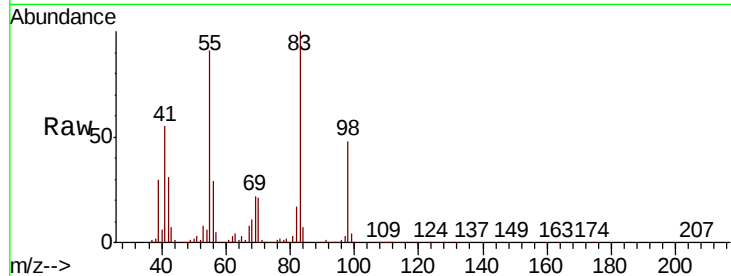




#39
Methylcyclohexane
Concen: 50.180 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

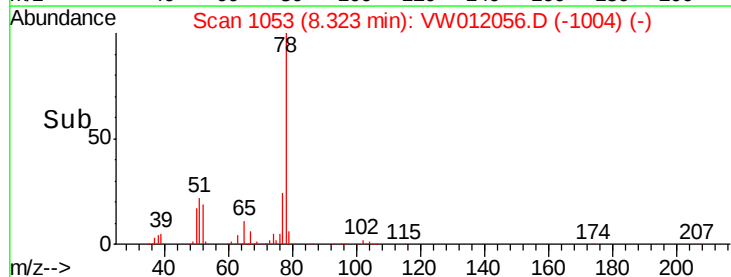
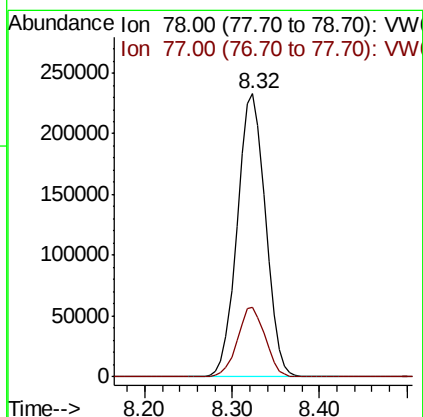
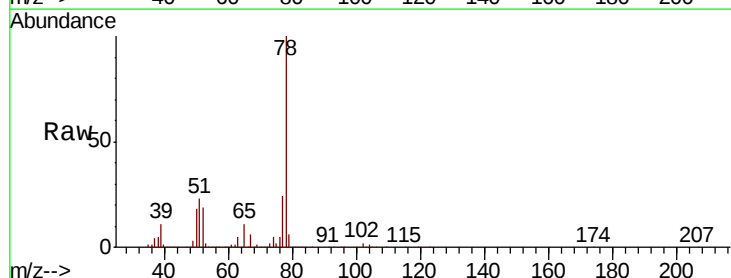
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

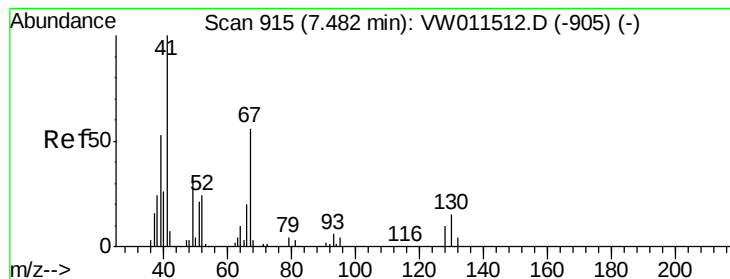
Tgt Ion: 83 Resp: 197847
Ion Ratio Lower Upper
83 100
55 90.4 72.1 108.1
98 48.3 38.6 57.8



#40
Benzene
Concen: 52.133 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Tgt Ion: 78 Resp: 522882
Ion Ratio Lower Upper
78 100
77 24.4 19.4 29.0





#41

Methacrylonitrile

Concen: 59.866 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 73722

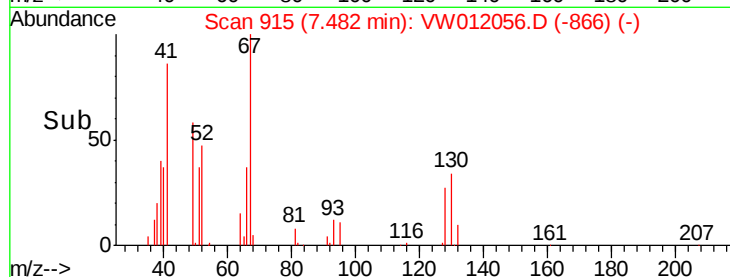
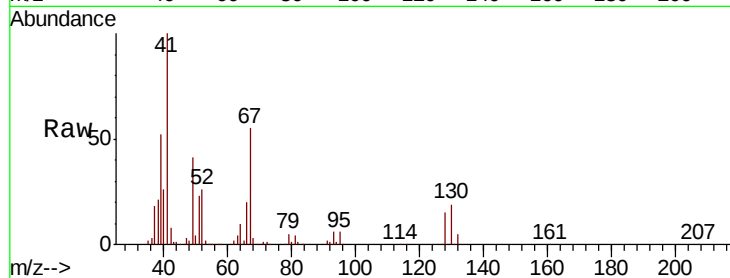
Ion Ratio Lower Upper

41 100

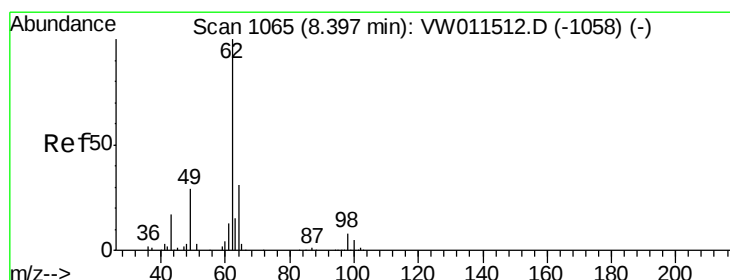
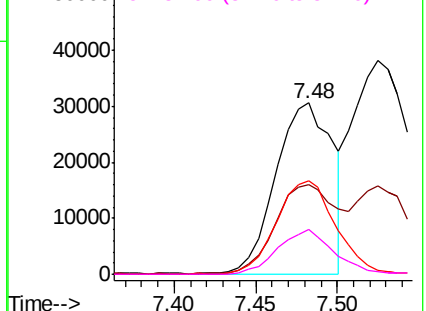
39 58.5 43.0 64.4

67 57.7 47.5 71.3

52 26.1 21.0 31.6



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



#42

1,2-Dichloroethane

Concen: 54.287 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW012056.D

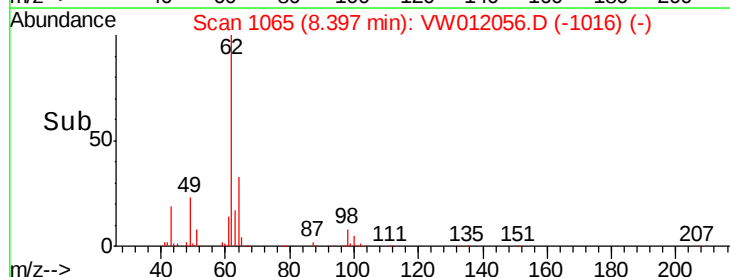
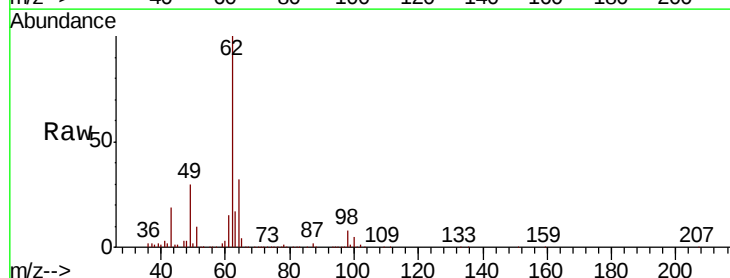
Acq: 21 Aug 2019 02:58

Tgt Ion: 62 Resp: 170472

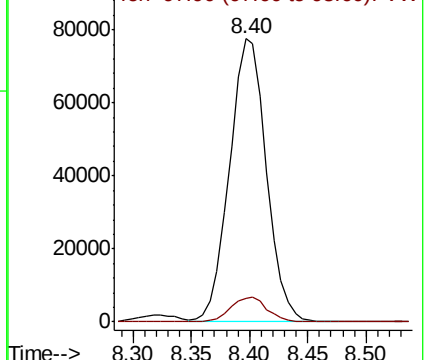
Ion Ratio Lower Upper

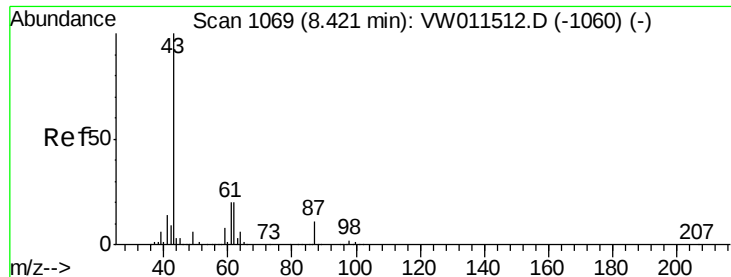
62 100

98 8.8 0.0 16.8



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





#43

Isopropyl Acetate

Concen: 59.356 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

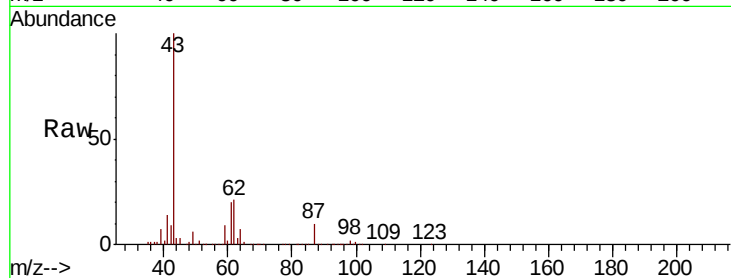
Tgt Ion: 43 Resp: 224878

Ion Ratio Lower Upper

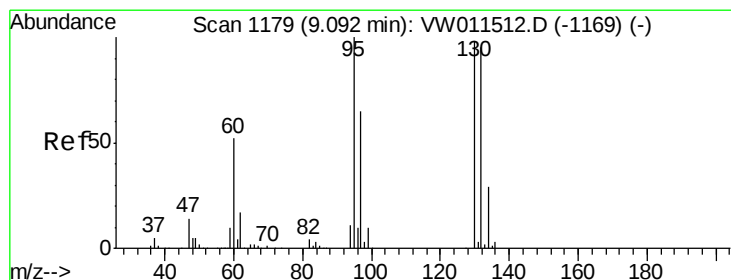
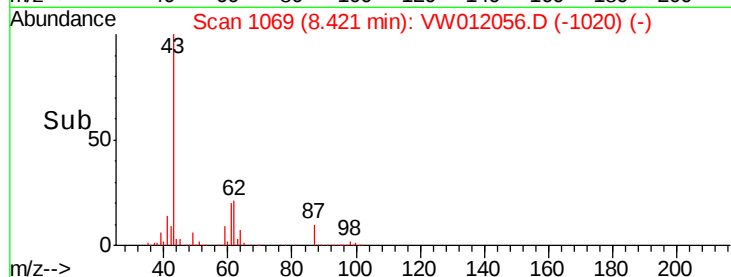
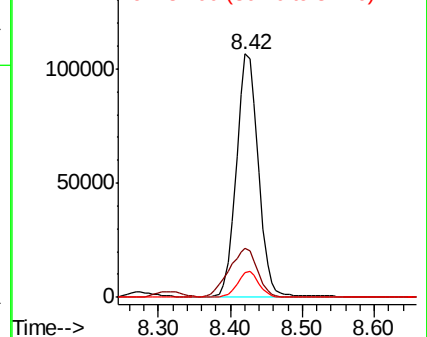
43 100

61 26.2 21.5 32.3

87 10.4 8.4 12.6



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: 52.611 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012056.D

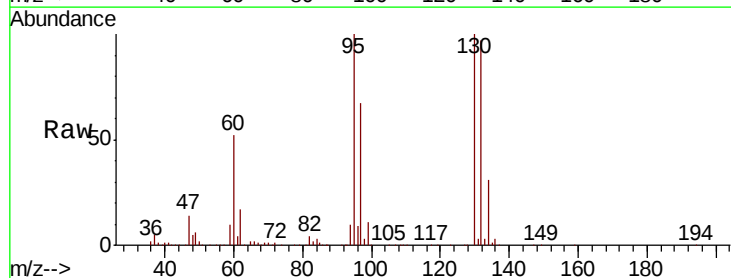
Acq: 21 Aug 2019 02:58

Tgt Ion: 130 Resp: 126825

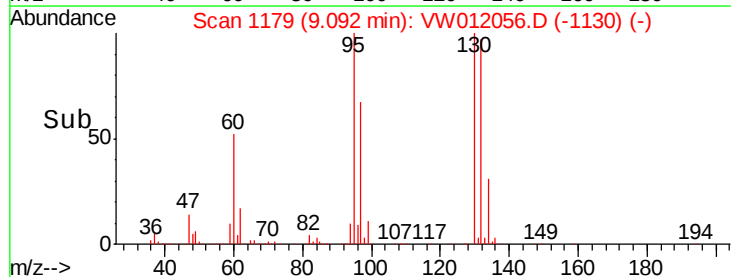
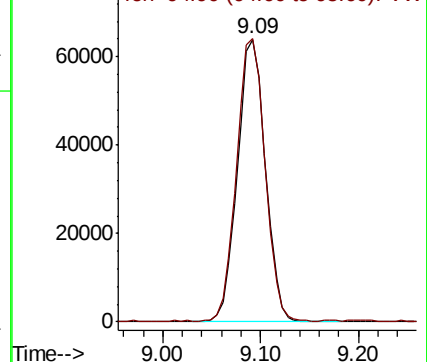
Ion Ratio Lower Upper

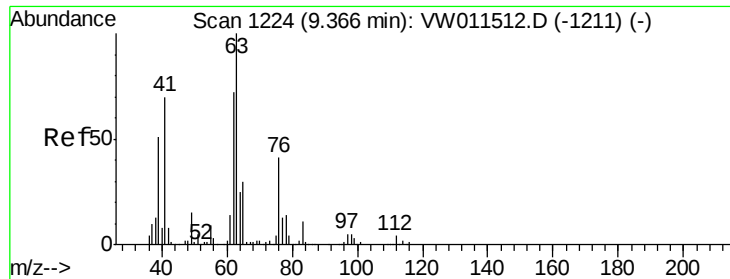
130 100

95 99.8 0.0 204.8



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





#45

1,2-Dichloropropane

Concen: 54.408 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Instrument :

MSVOA_W

ClientSampleId :

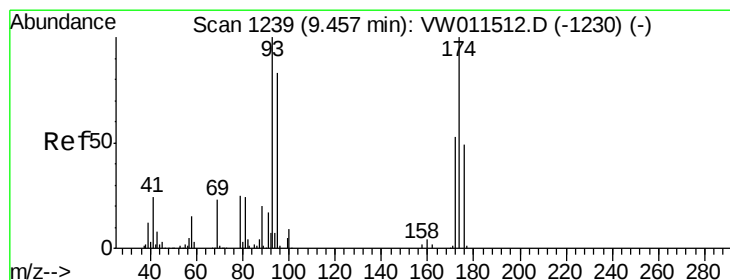
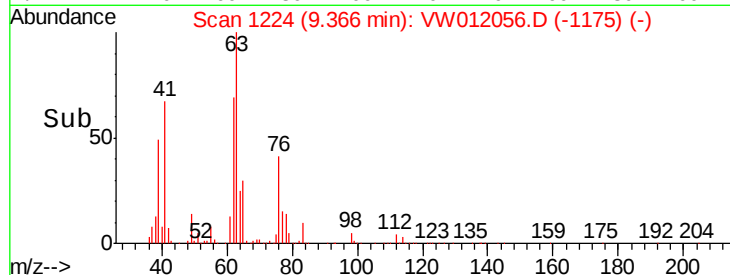
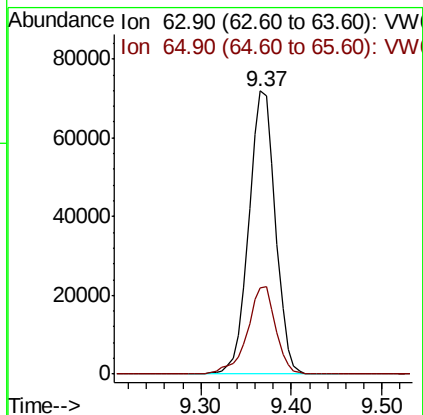
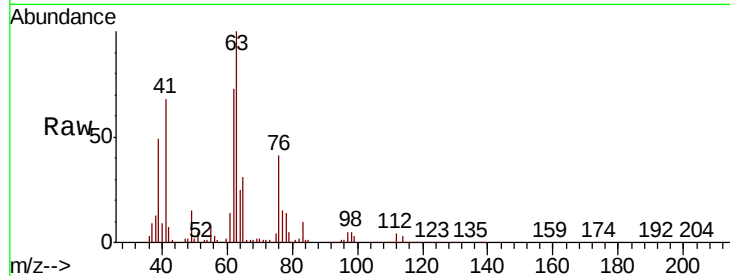
VSTDCCC050EC

Tgt Ion: 63 Resp: 146010

Ion Ratio Lower Upper

63 100

65 30.5 24.2 36.4



#46

Dibromomethane

Concen: 54.939 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

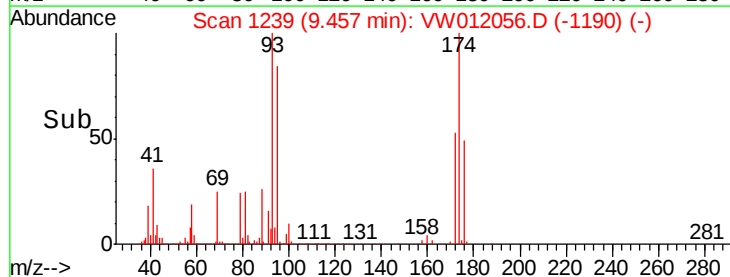
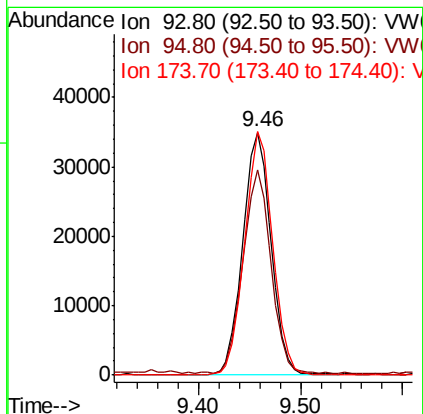
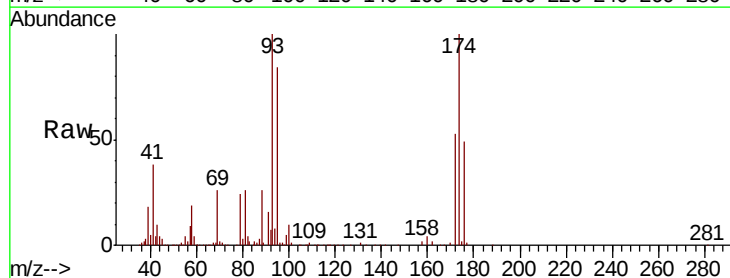
Tgt Ion: 93 Resp: 67292

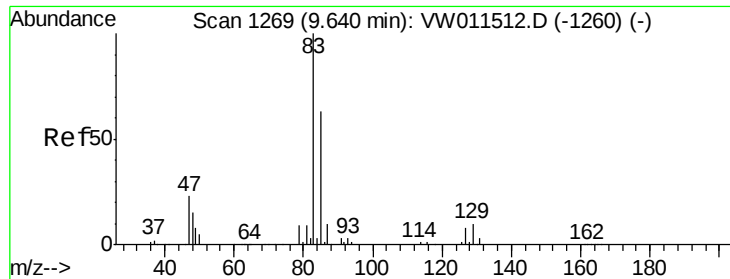
Ion Ratio Lower Upper

93 100

95 83.3 66.2 99.2

174 99.9 78.2 117.4





#47

Bromodichloromethane

Concen: 54.040 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

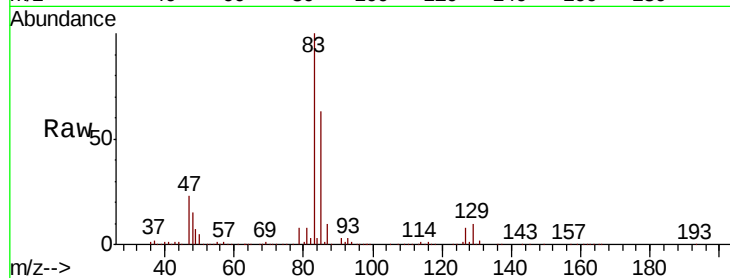
Tgt Ion: 83 Resp: 173629

Ion Ratio Lower Upper

83 100

85 63.1 50.5 75.7

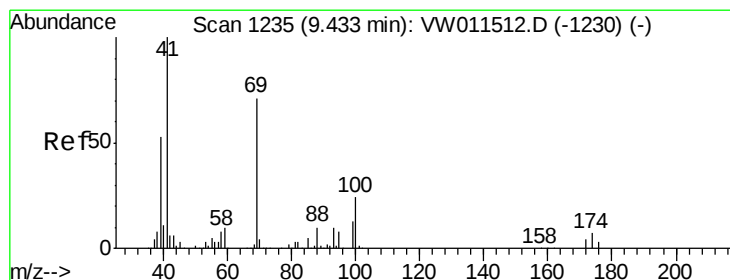
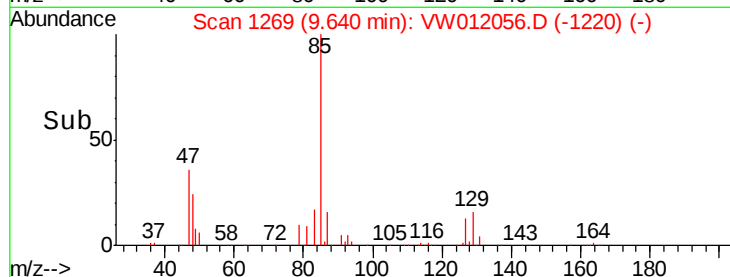
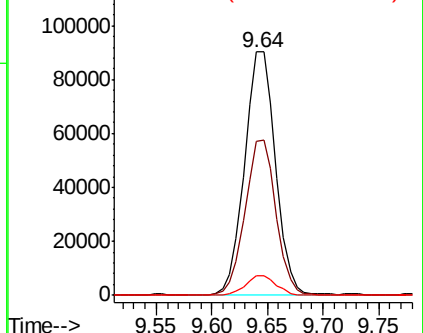
127 8.3 6.4 9.6



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: 60.429 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

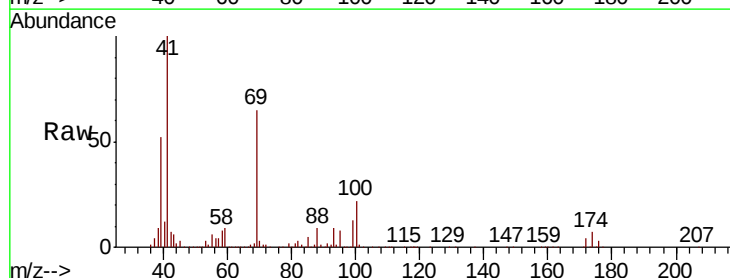
Tgt Ion: 41 Resp: 109975

Ion Ratio Lower Upper

41 100

69 72.0 57.1 85.7

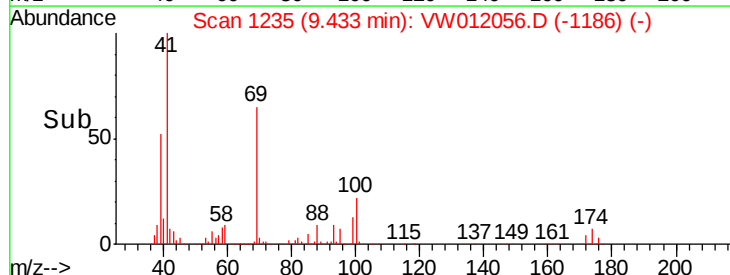
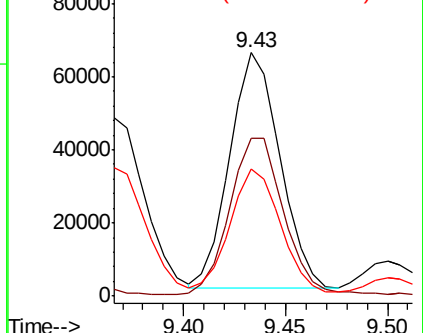
39 56.0 45.4 68.2

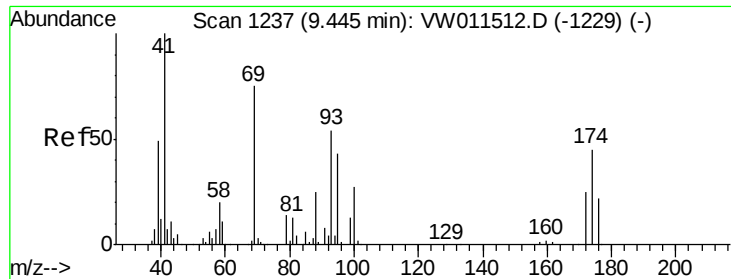


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

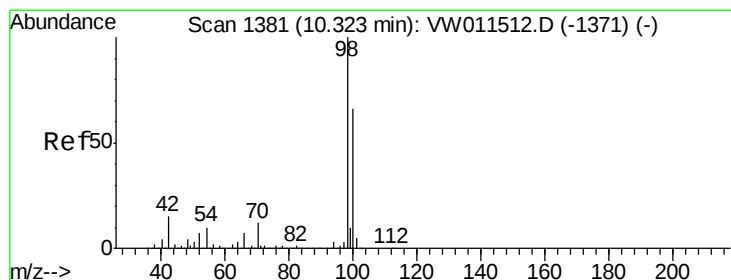
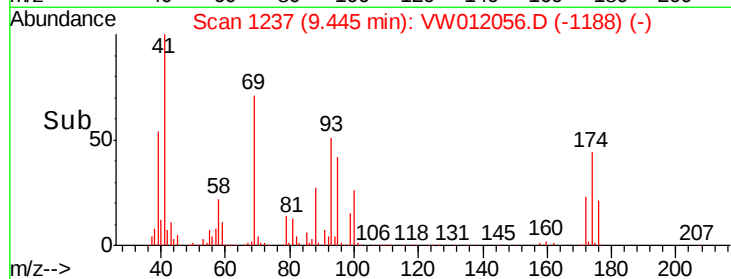
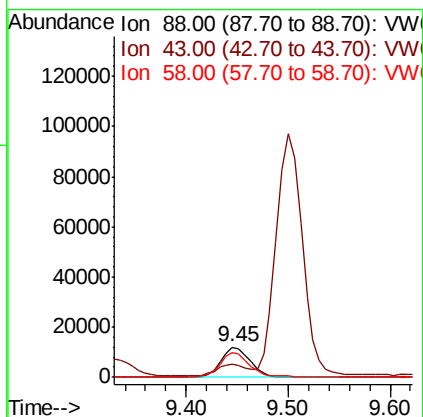
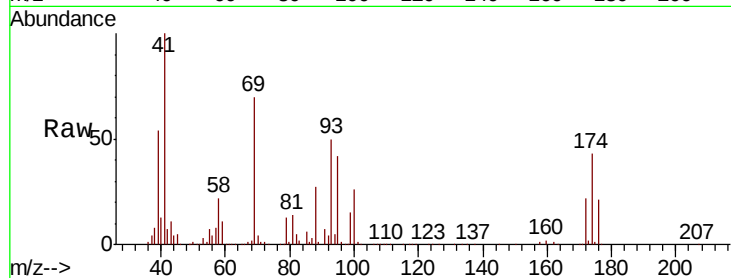




#49
1,4-Dioxane
Concen: 1357.359 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

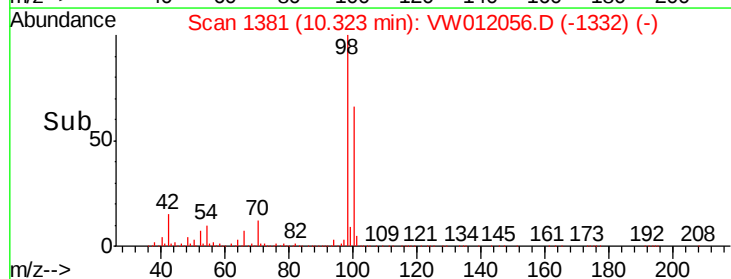
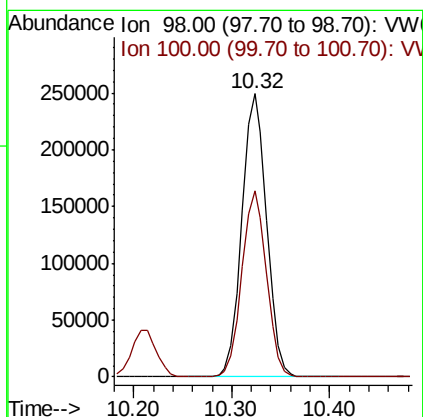
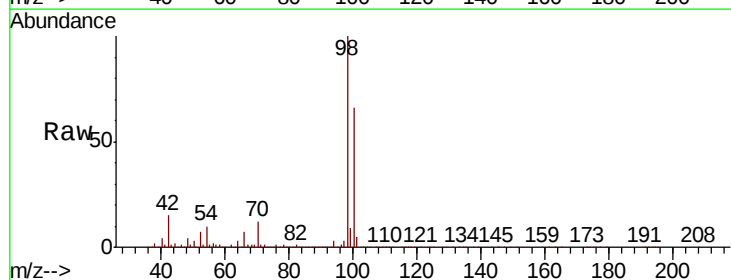
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

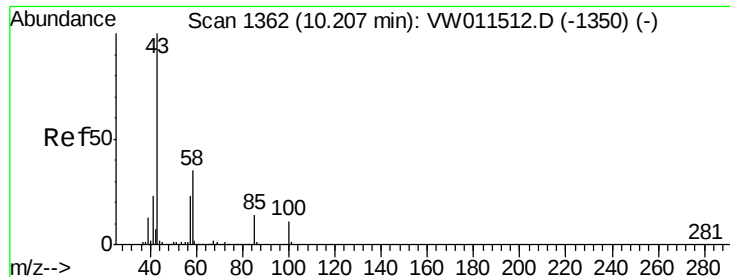
Tgt Ion: 88 Resp: 24073
Ion Ratio Lower Upper
88 100
43 40.1 34.0 51.0
58 86.7 69.7 104.5



#50
Toluene-d8
Concen: 55.022 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Tgt Ion: 98 Resp: 435218
Ion Ratio Lower Upper
98 100
100 65.6 52.7 79.1

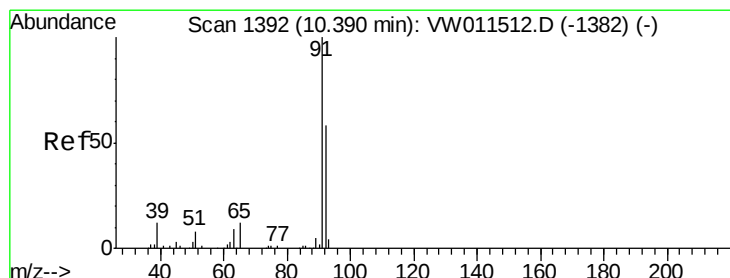
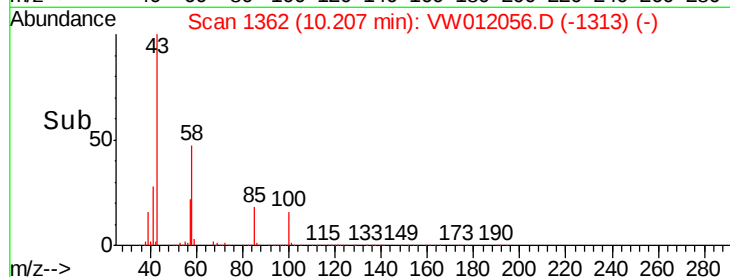
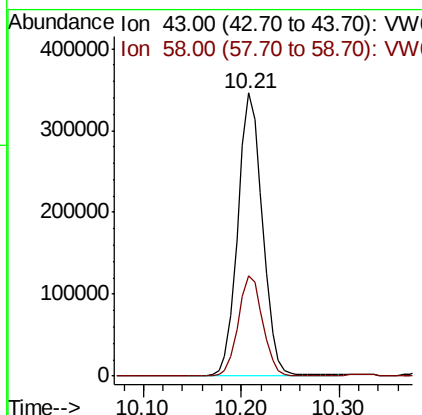
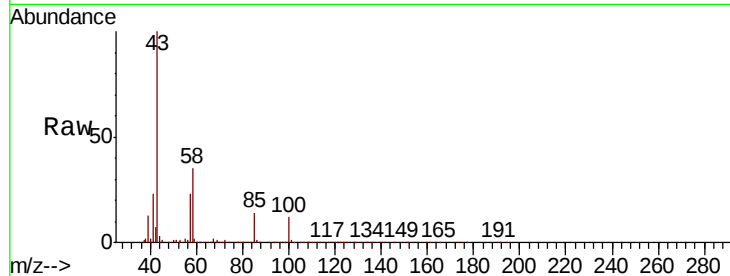




#51
 4-Methyl-2-Pentanone
 Concen: 305.320 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW012056.D
 Acq: 21 Aug 2019 02:58

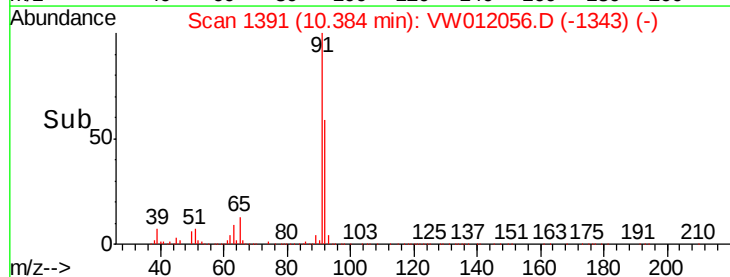
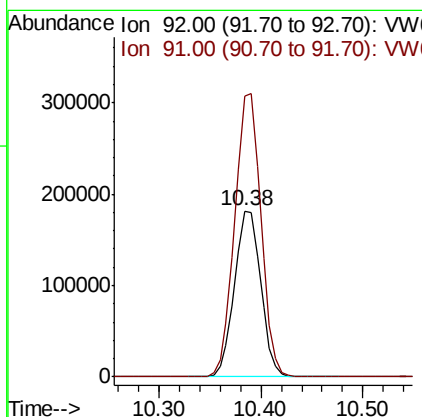
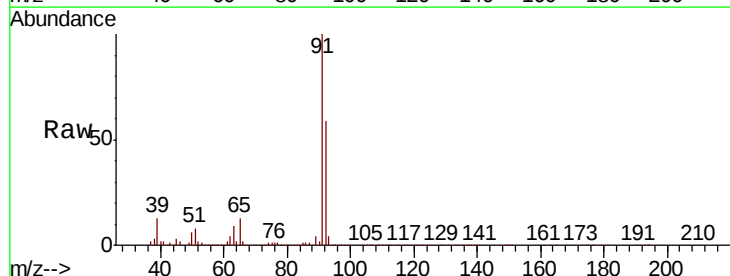
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

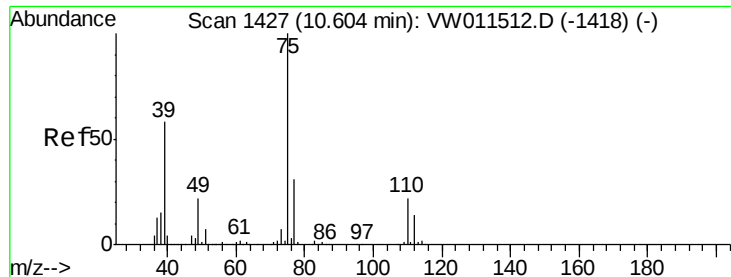
Tgt Ion: 43 Resp: 601681
 Ion Ratio Lower Upper
 43 100
 58 35.5 28.2 42.2



#52
 Toluene
 Concen: 53.098 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VW012056.D
 Acq: 21 Aug 2019 02:58

Tgt Ion: 92 Resp: 321610
 Ion Ratio Lower Upper
 92 100
 91 170.4 136.7 205.1

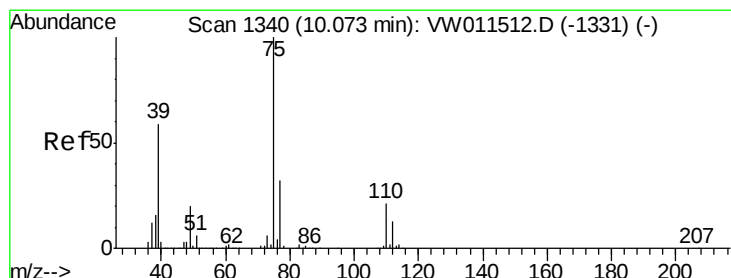
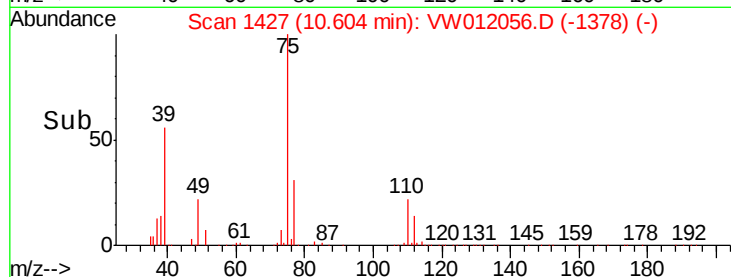
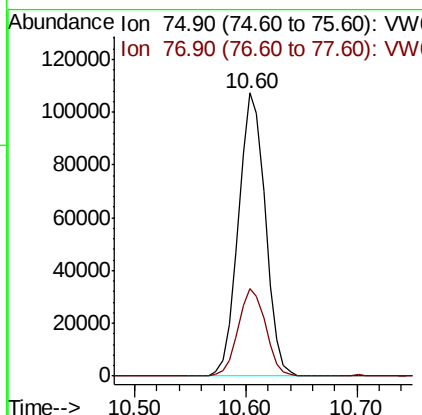
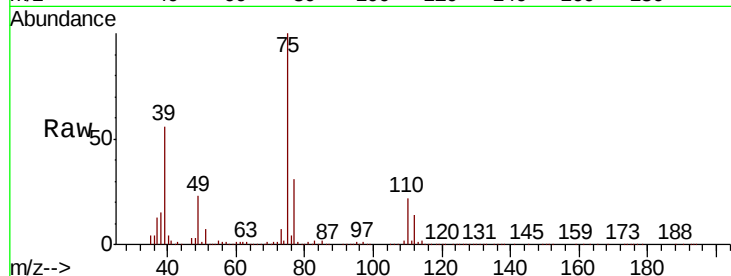




#53
t-1,3-Dichloropropene
Concen: 53.484 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

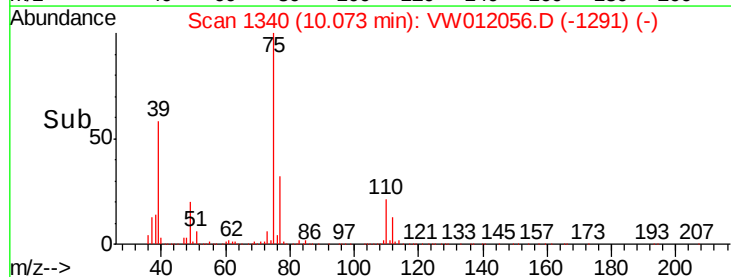
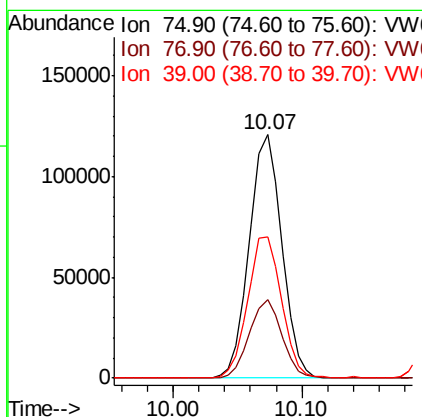
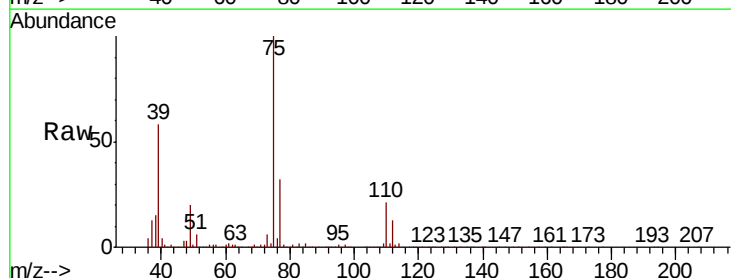
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

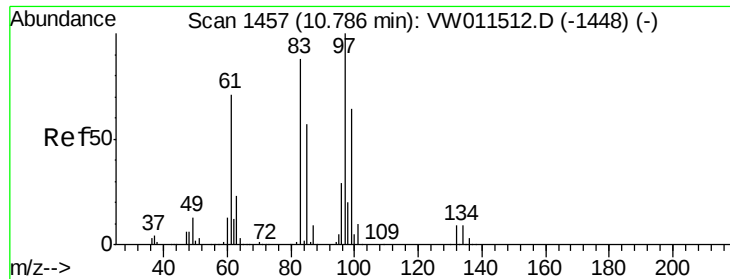
Tgt Ion: 75 Resp: 179508
Ion Ratio Lower Upper
75 100
77 30.7 25.0 37.4



#54
cis-1,3-Dichloropropene
Concen: 52.797 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Tgt Ion: 75 Resp: 210693
Ion Ratio Lower Upper
75 100
77 32.0 25.6 38.4
39 58.0 47.0 70.4

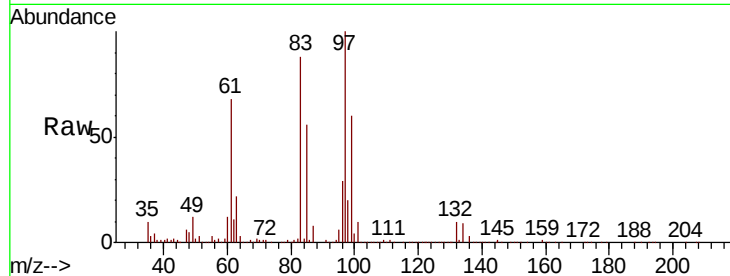




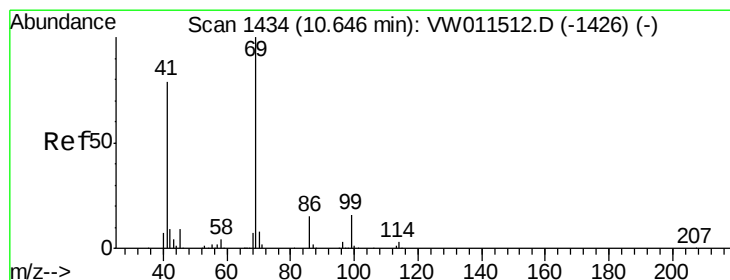
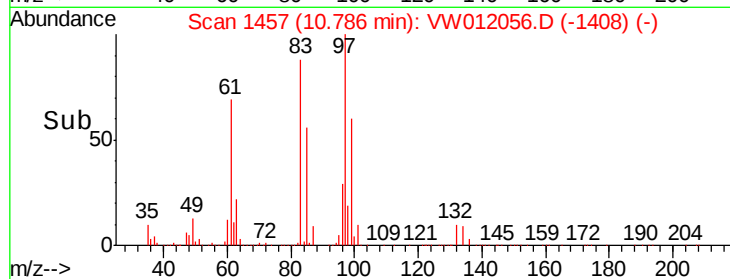
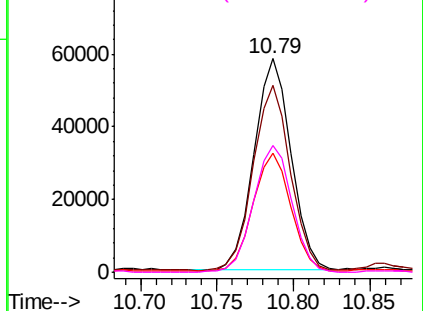
#55
 1,1,2-Trichloroethane
 Concen: 56.687 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012056.D
 Acq: 21 Aug 2019 02:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:	97	Resp:	98516
Ion	Ratio	Lower	Upper
97	100		
83	87.5	70.5	105.7
85	55.8	45.8	68.6
99	59.8	51.0	76.4

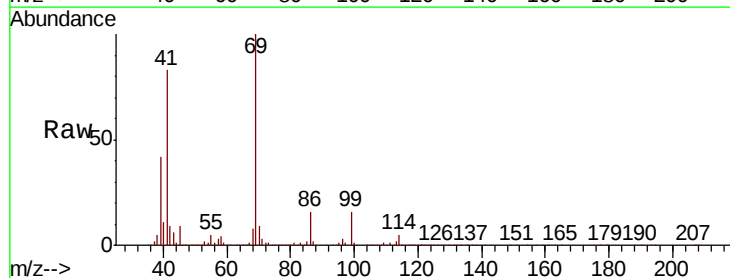


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

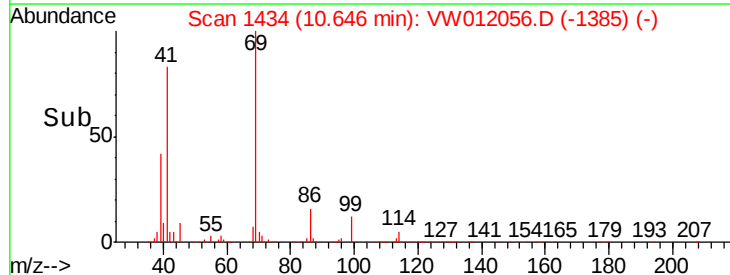
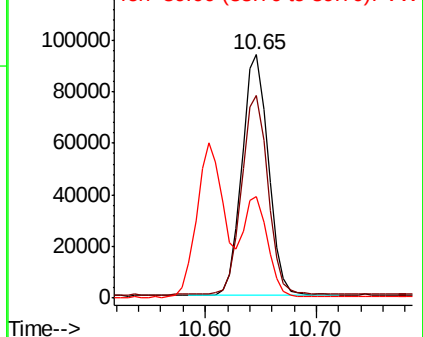


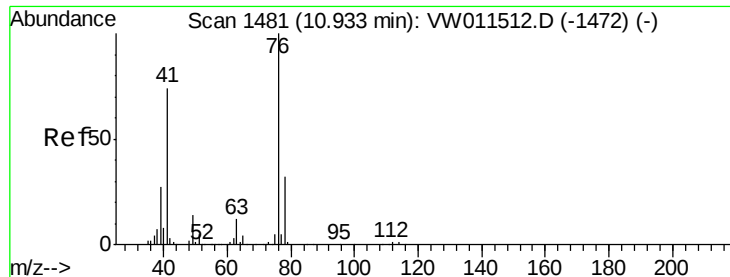
#56
 Ethyl methacrylate
 Concen: 60.734 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012056.D
 Acq: 21 Aug 2019 02:58

Tgt Ion:	69	Resp:	154453
Ion	Ratio	Lower	Upper
69	100		
41	83.8	66.6	99.8
39	37.4	30.3	45.5



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

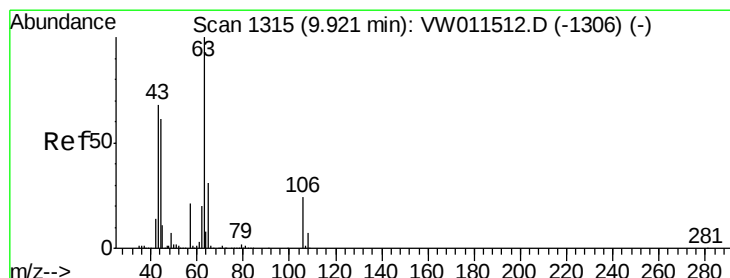
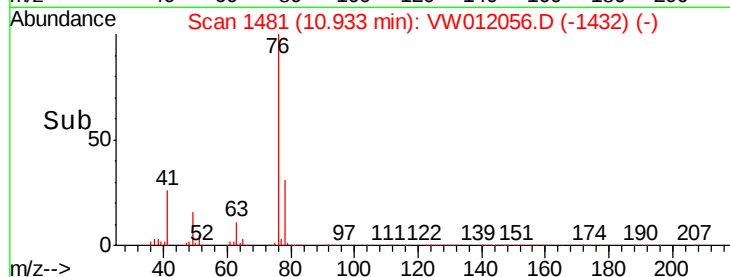
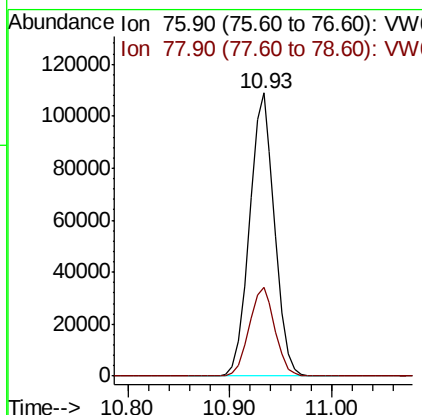
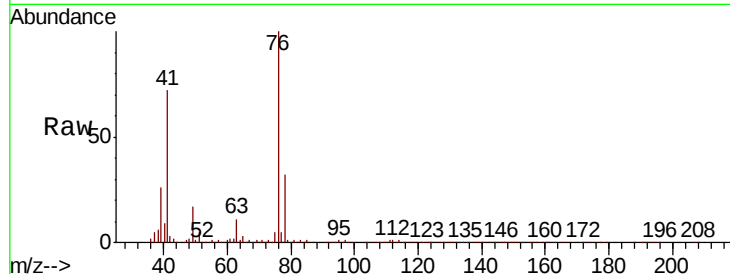




#57
 1,3-Dichloropropane
 Concen: 56.373 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012056.D
 Acq: 21 Aug 2019 02:58

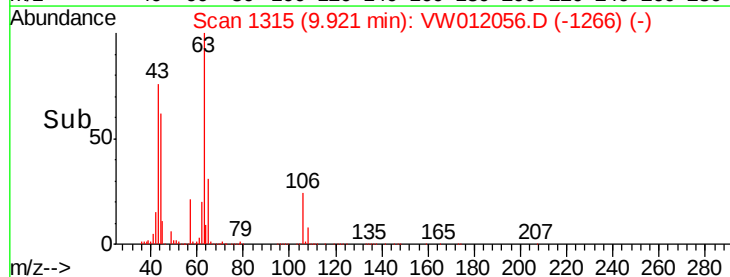
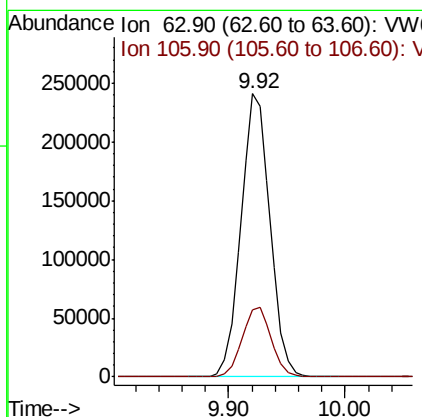
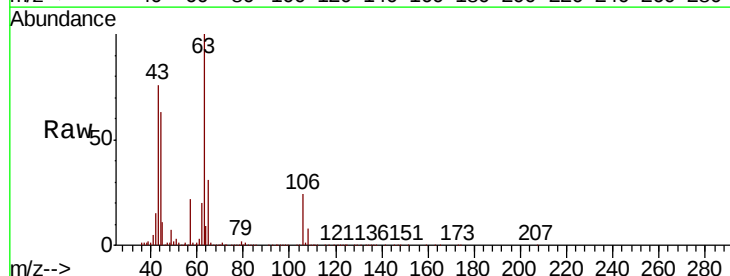
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

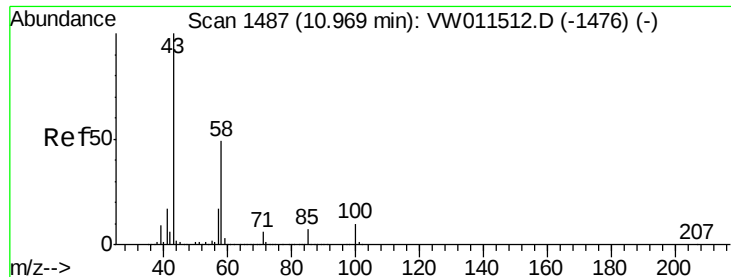
Tgt Ion: 76 Resp: 185348
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 361.648 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012056.D
 Acq: 21 Aug 2019 02:58

Tgt Ion: 63 Resp: 417582
 Ion Ratio Lower Upper
 63 100
 106 24.7 19.7 29.5

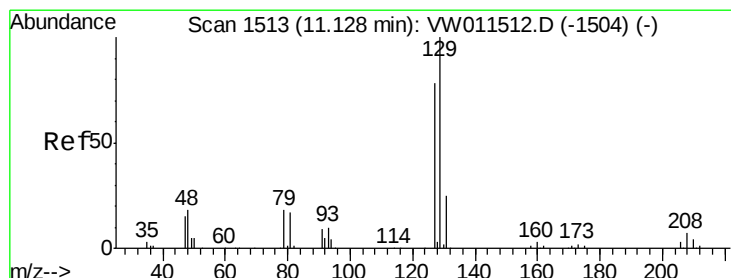
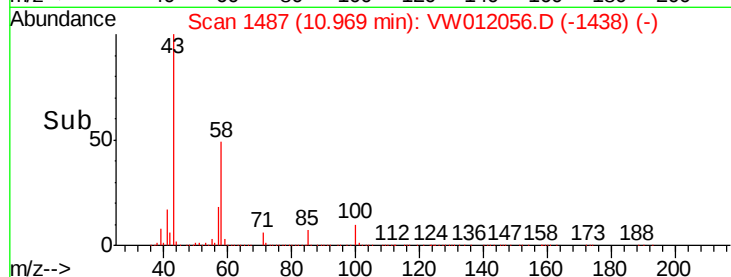
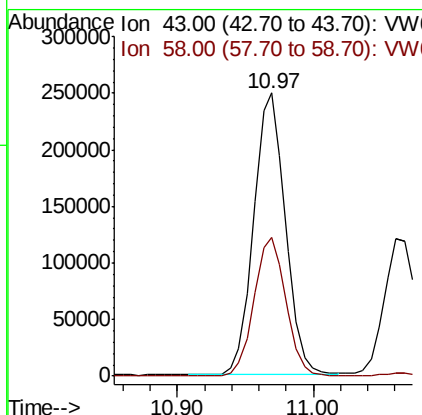
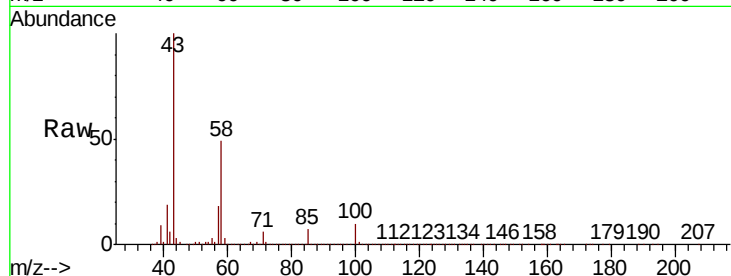




#59
2-Hexanone
Concen: 293.431 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

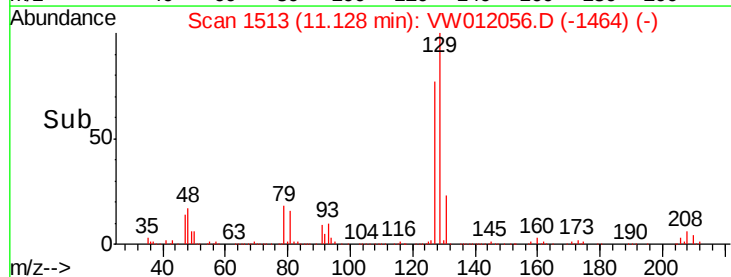
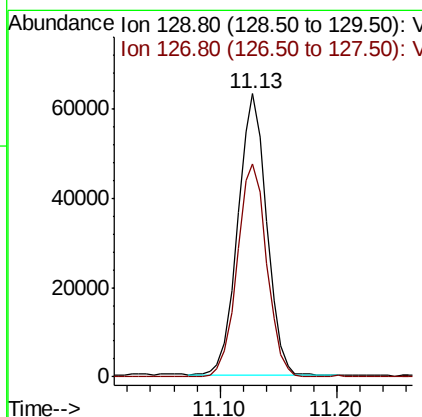
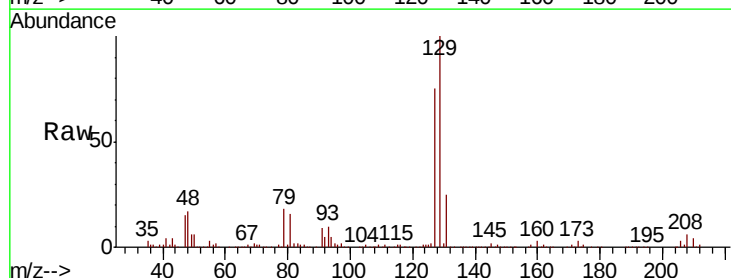
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

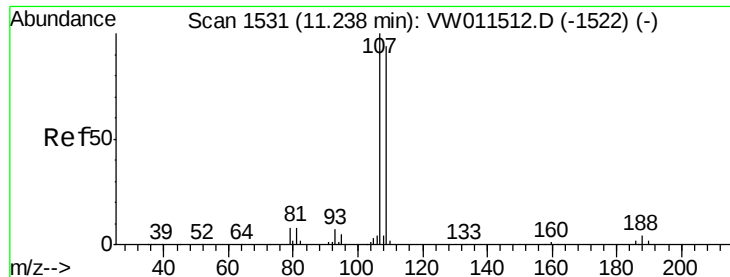
Tgt Ion: 43 Resp: 408283
Ion Ratio Lower Upper
43 100
58 49.5 24.3 72.9



#60
Dibromochloromethane
Concen: 56.636 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Tgt Ion: 129 Resp: 109256
Ion Ratio Lower Upper
129 100
127 76.6 38.9 116.7

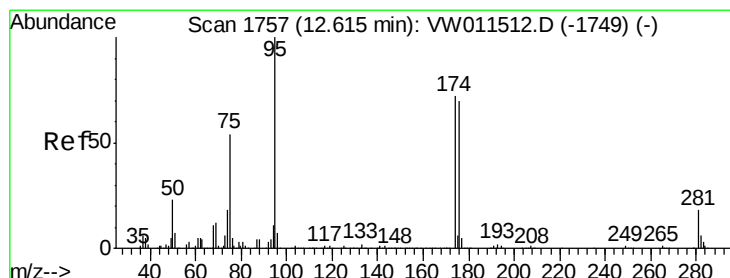
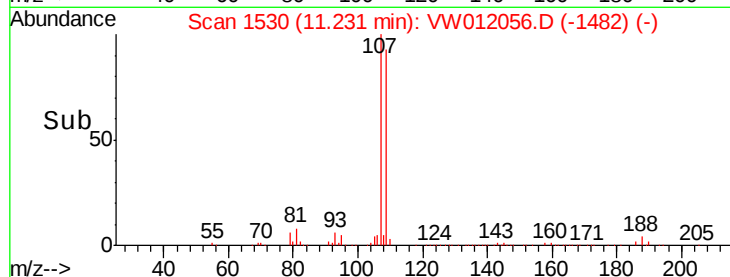
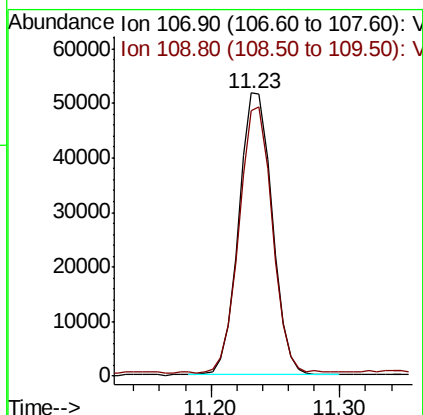
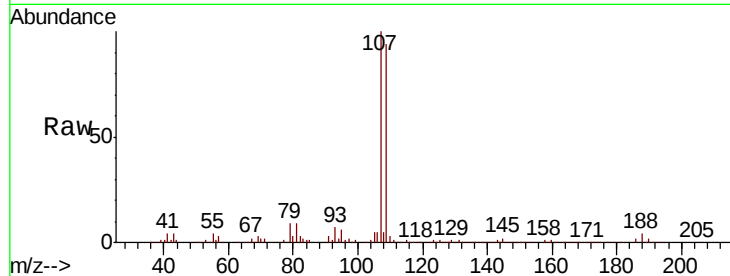




#61
 1,2-Dibromoethane
 Concen: 56.329 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012056.D
 Acq: 21 Aug 2019 02:58

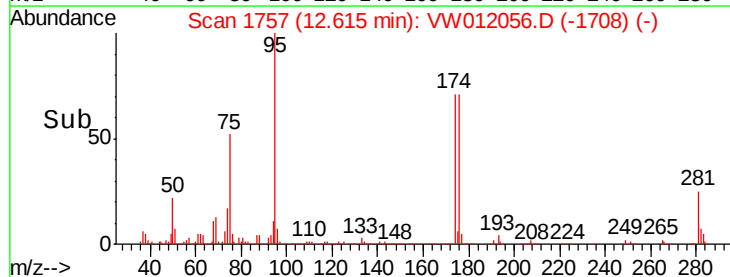
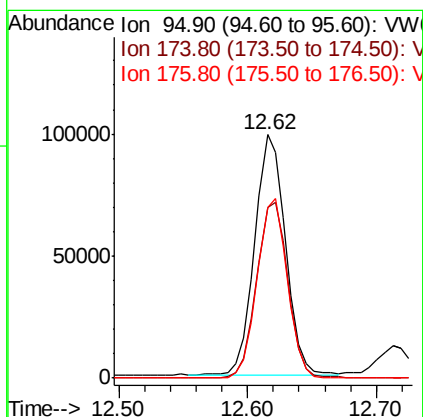
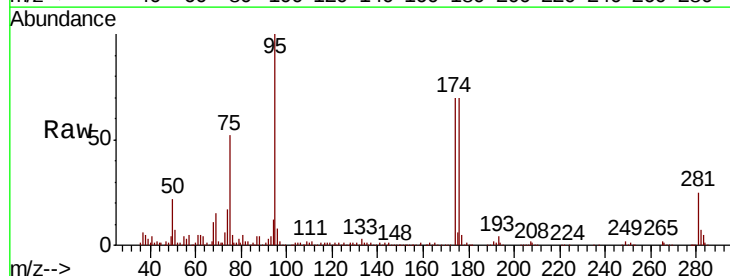
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

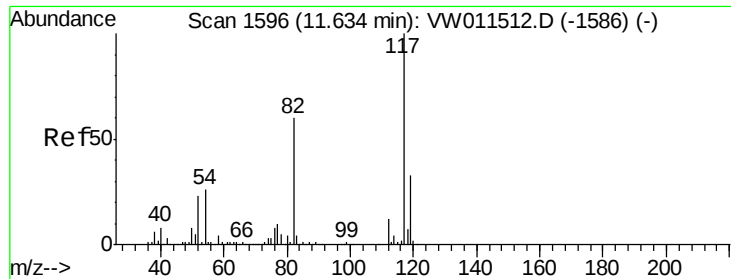
Tgt Ion: 107 Resp: 92641
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 57.681 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012056.D
 Acq: 21 Aug 2019 02:58

Tgt Ion: 95 Resp: 162662
 Ion Ratio Lower Upper
 95 100
 174 73.7 0.0 150.2
 176 72.8 0.0 144.4

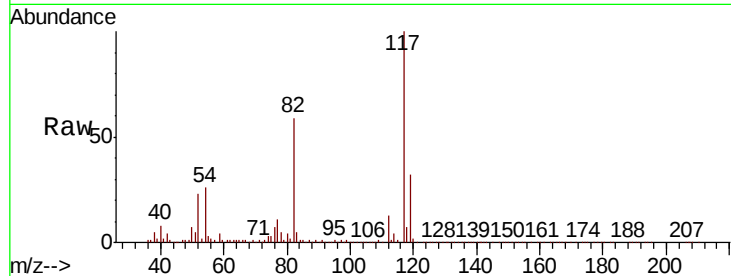




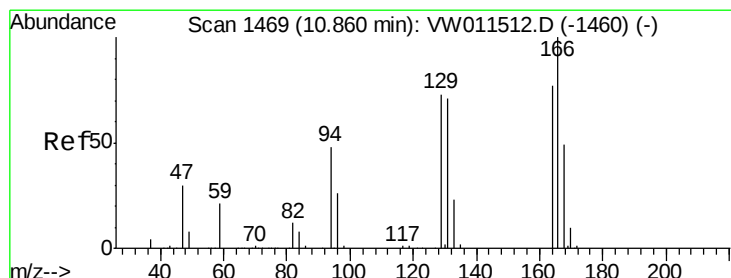
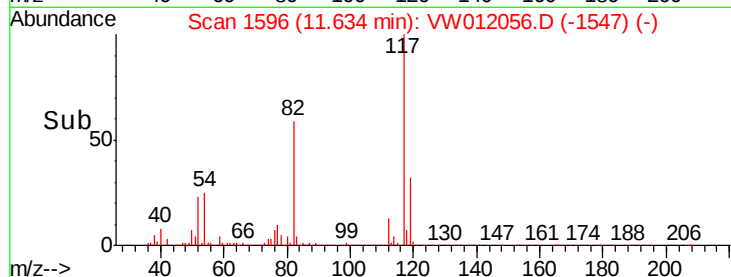
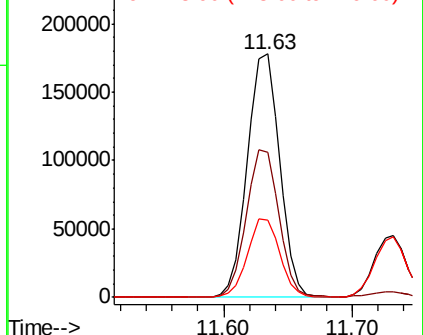
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 306768
Ion Ratio Lower Upper
117 100
82 59.2 47.9 71.9
119 31.6 26.2 39.2

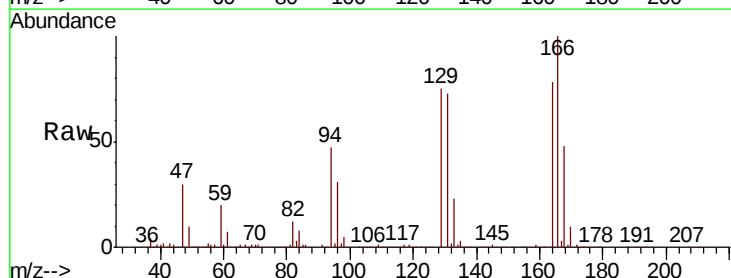


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

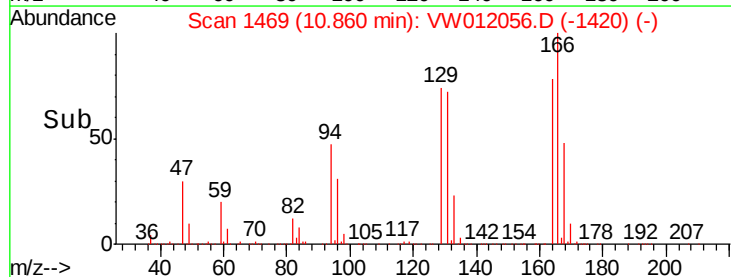
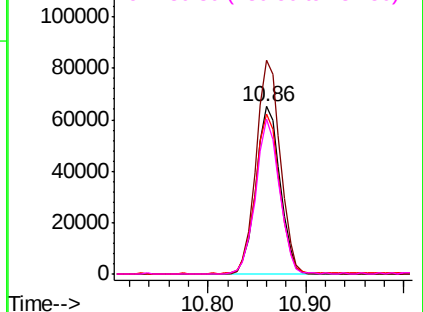


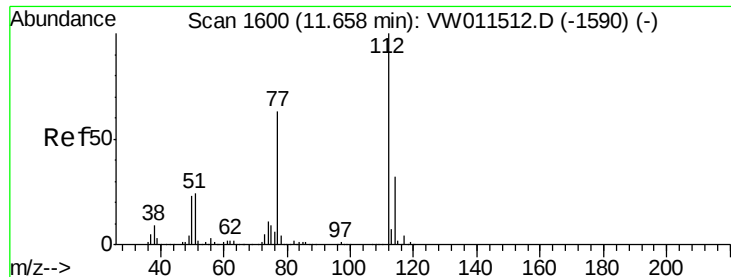
#64
Tetrachloroethene
Concen: 55.901 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Tgt Ion:164 Resp: 111657
Ion Ratio Lower Upper
164 100
166 127.8 103.5 155.3
129 95.1 75.2 112.8
131 92.7 73.4 110.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

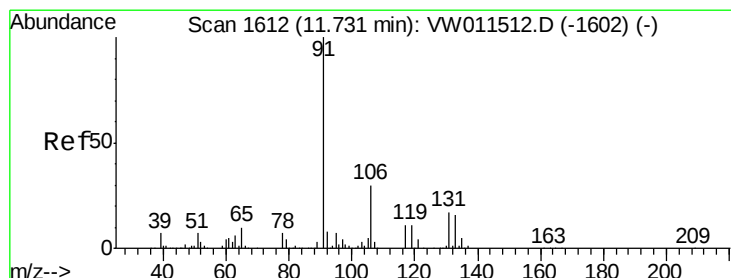
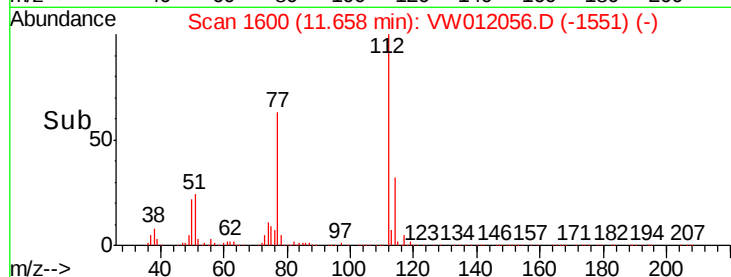
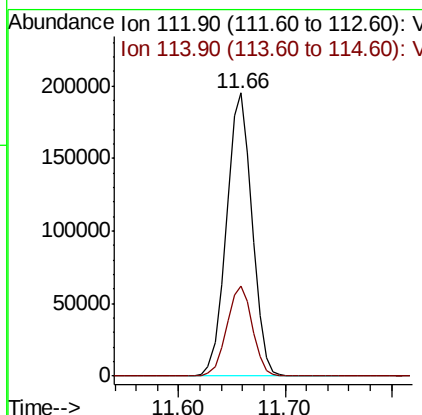
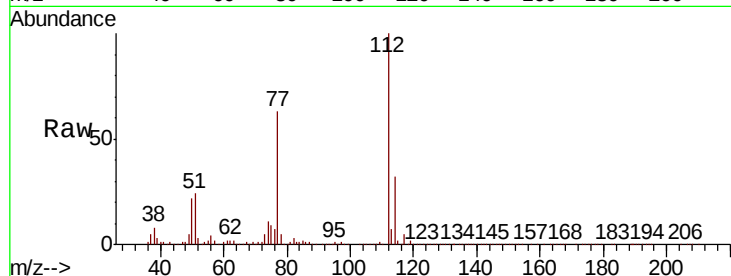




#65
Chlorobenzene
Concen: 53.052 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

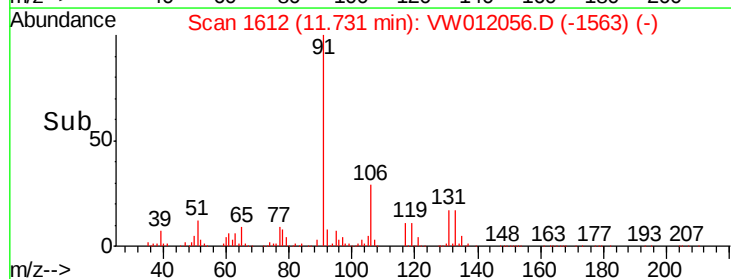
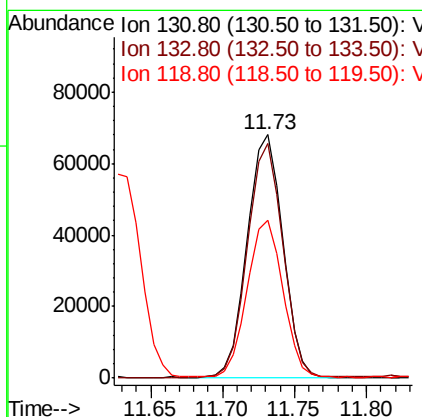
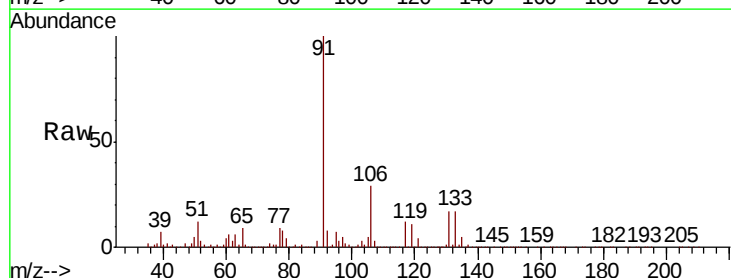
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

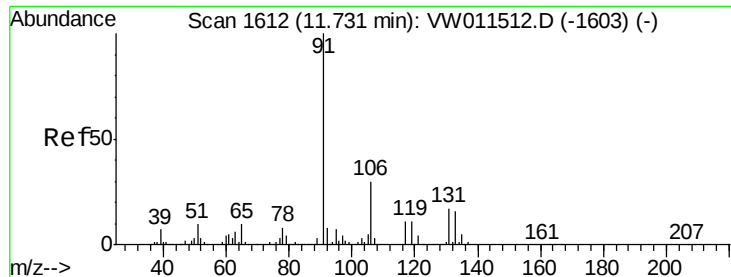
Tgt Ion:112 Resp: 327196
Ion Ratio Lower Upper
112 100
114 31.9 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 54.189 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Tgt Ion:131 Resp: 116413
Ion Ratio Lower Upper
131 100
133 95.7 47.4 142.2
119 64.6 32.3 96.9





#67

Ethyl Benzene

Concen: 53.015 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Instrument :

MSVOA_W

ClientSampleId :

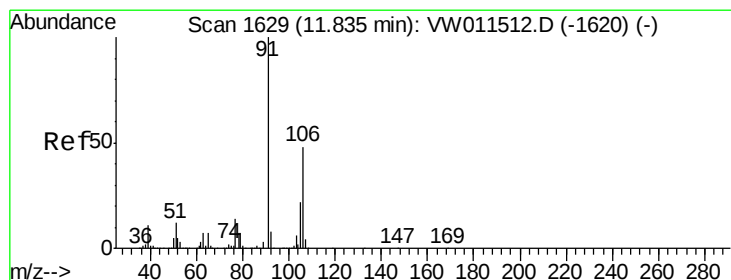
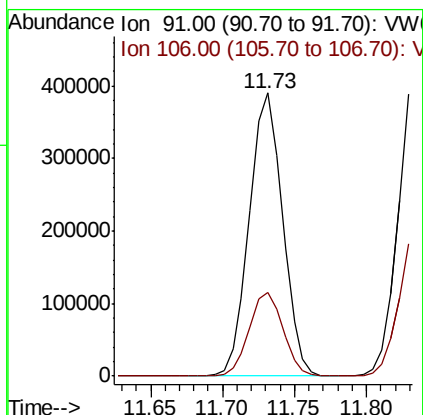
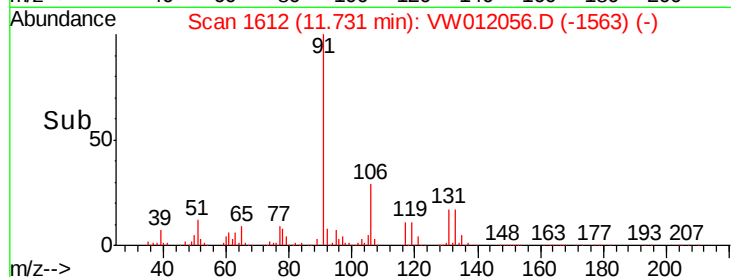
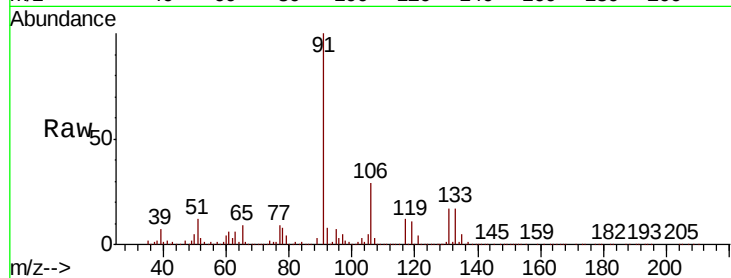
VSTDCCC050EC

Tgt Ion: 91 Resp: 622728

Ion Ratio Lower Upper

91 100

106 29.4 23.8 35.6



#68

m/p-Xylenes

Concen: 104.463 ug/l

RT: 11.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VW012056.D

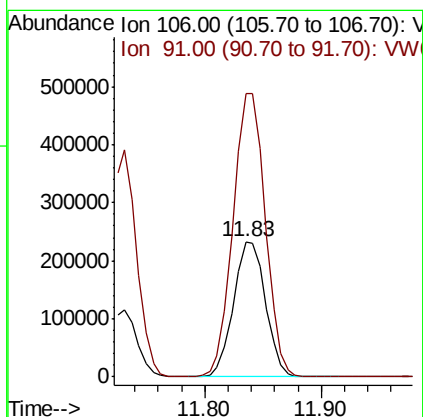
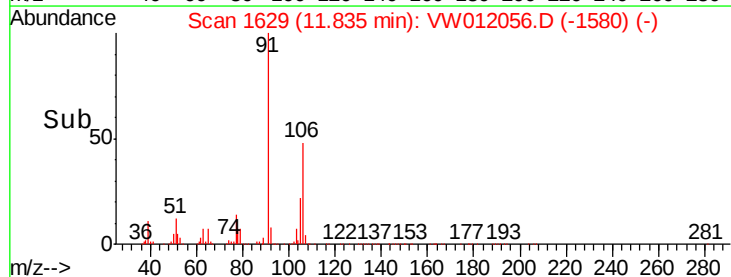
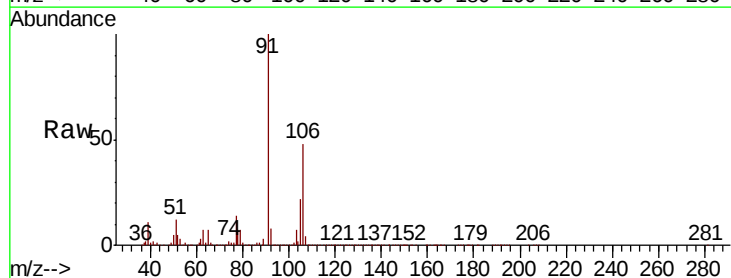
Acq: 21 Aug 2019 02:58

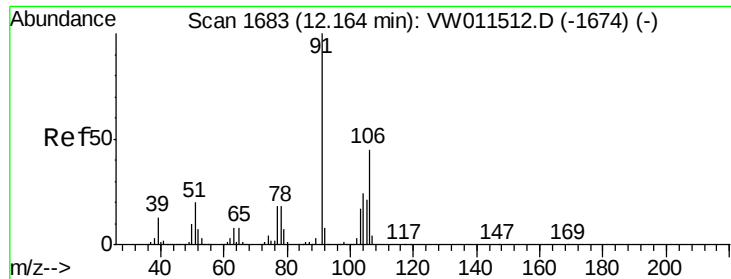
Tgt Ion: 106 Resp: 446238

Ion Ratio Lower Upper

106 100

91 210.6 168.2 252.2

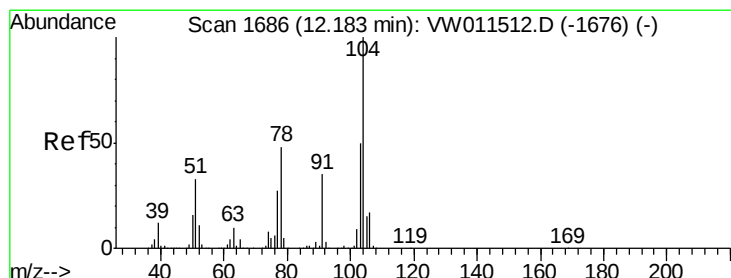
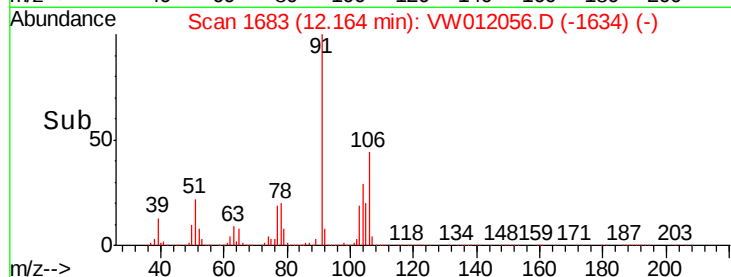
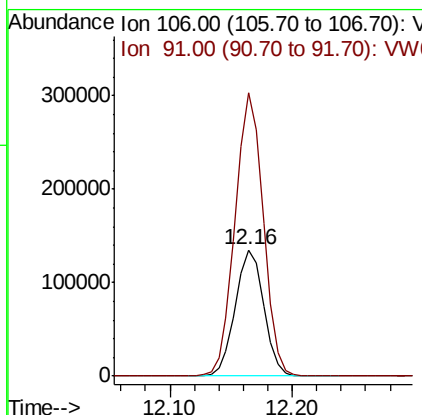
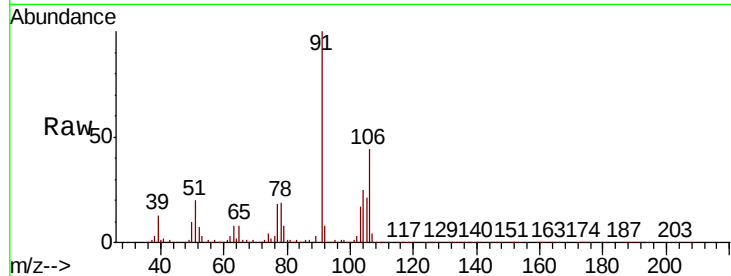




#69
o-Xylene
Concen: 54.611 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

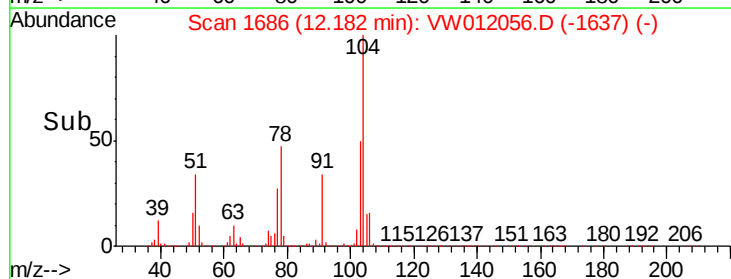
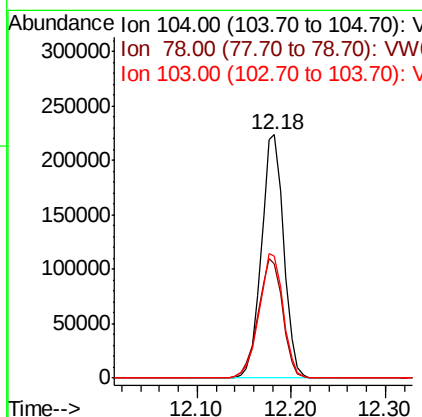
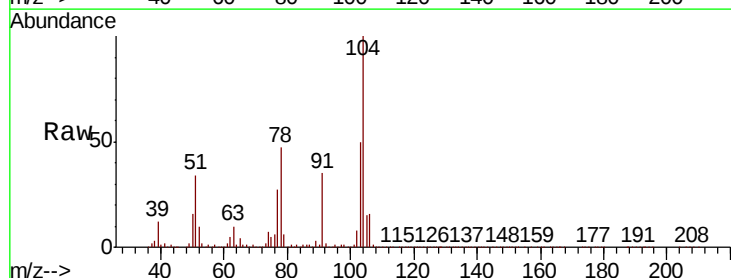
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

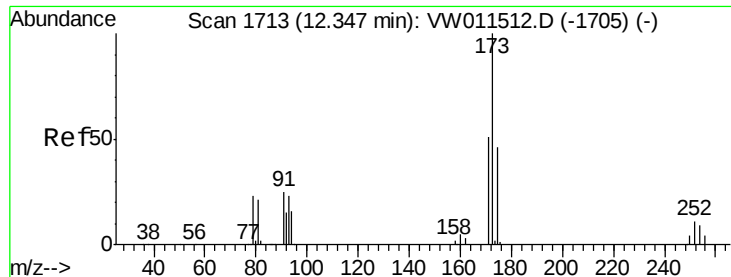
Tgt Ion:106 Resp: 216782
Ion Ratio Lower Upper
106 100
91 221.9 110.5 331.5



#70
Styrene
Concen: 54.597 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Tgt Ion:104 Resp: 374720
Ion Ratio Lower Upper
104 100
78 53.5 43.4 65.0
103 55.0 43.9 65.9





#71

Bromoform

Concen: 57.088 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

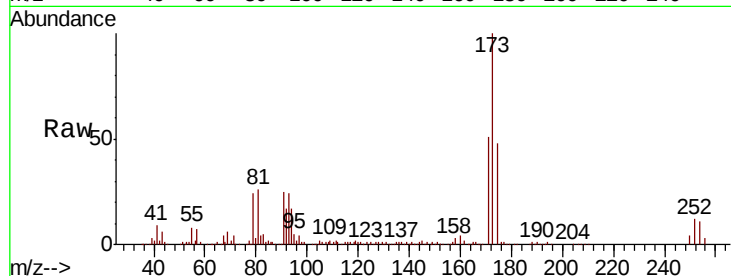
Tgt Ion:173 Resp: 62530

Ion Ratio Lower Upper

173 100

175 48.6 23.6 71.0

254 0.0 0.1 0.1#

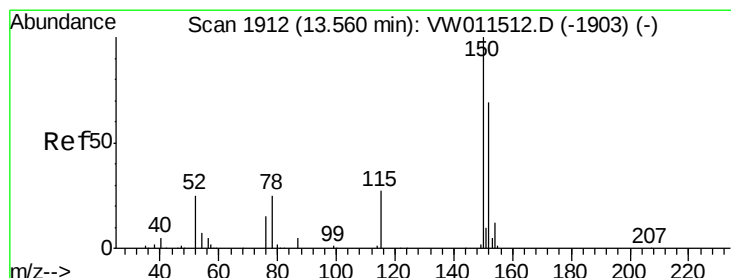
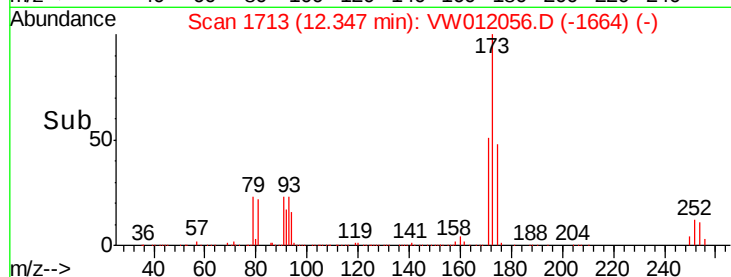
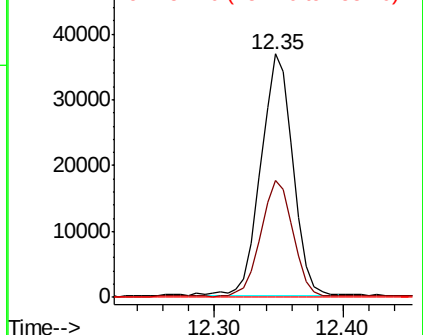


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

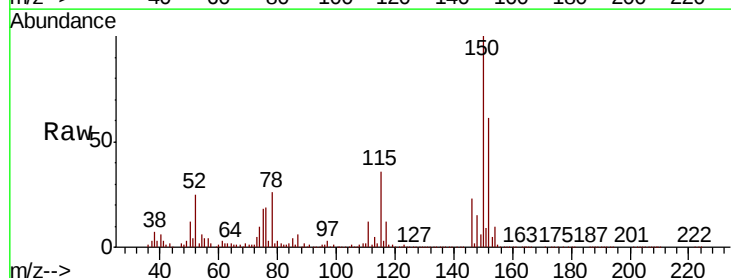
Tgt Ion:152 Resp: 145993

Ion Ratio Lower Upper

152 100

115 59.4 30.5 91.5

150 172.9 0.0 352.6

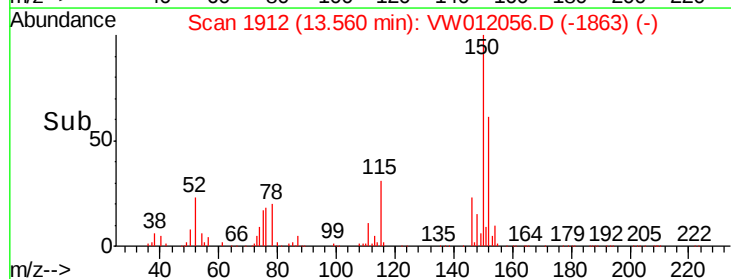
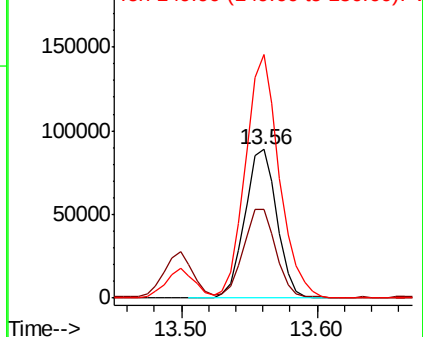


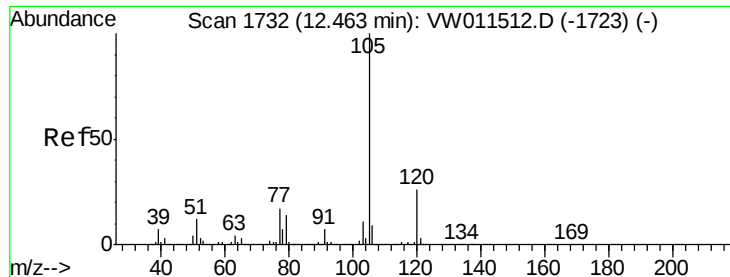
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.139 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Instrument :

MSVOA_W

ClientSampleId :

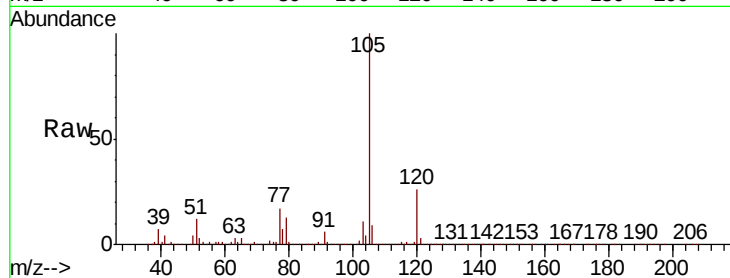
VSTDCCC050EC

Tgt Ion:105 Resp: 589647

Ion Ratio Lower Upper

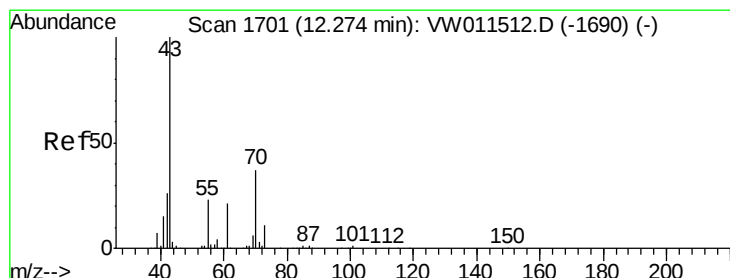
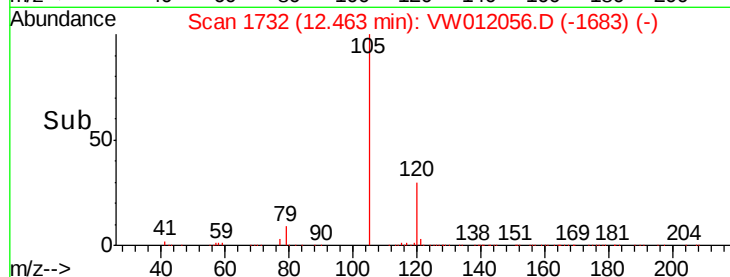
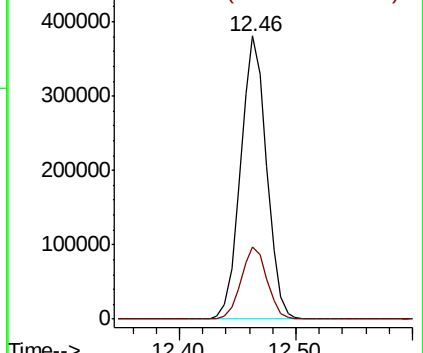
105 100

120 25.5 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 61.709 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Tgt Ion: 43 Resp: 210418

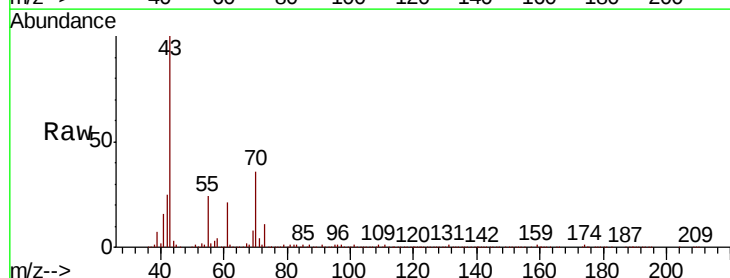
Ion Ratio Lower Upper

43 100

70 35.5 28.6 43.0

55 22.7 17.8 26.8

61 21.5 17.0 25.6

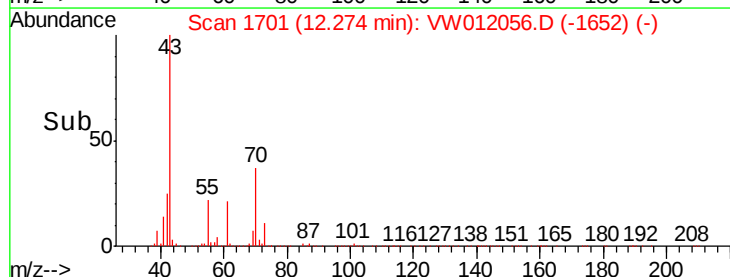
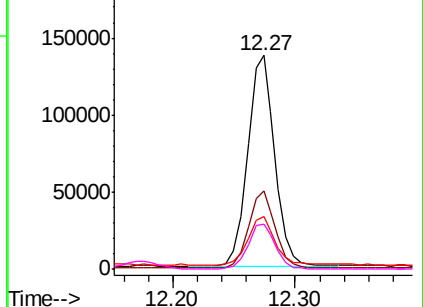


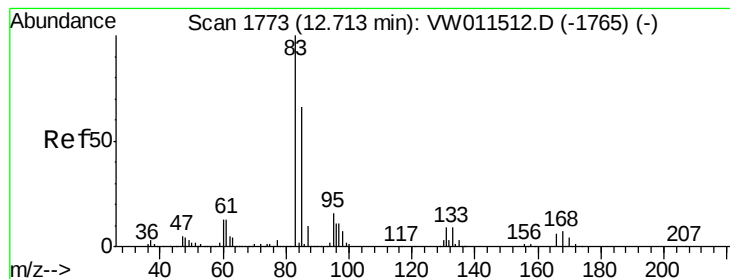
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 59.273 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

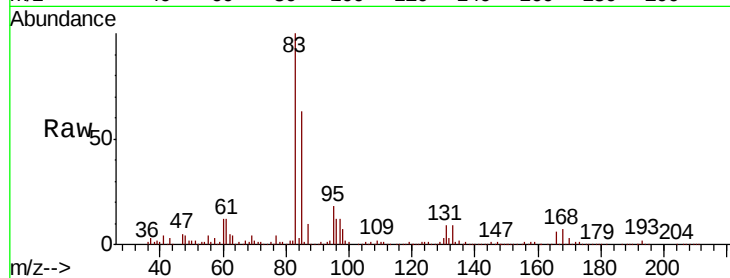
Tgt Ion: 83 Resp: 121430

Ion Ratio Lower Upper

83 100

131 9.5 4.9 14.6

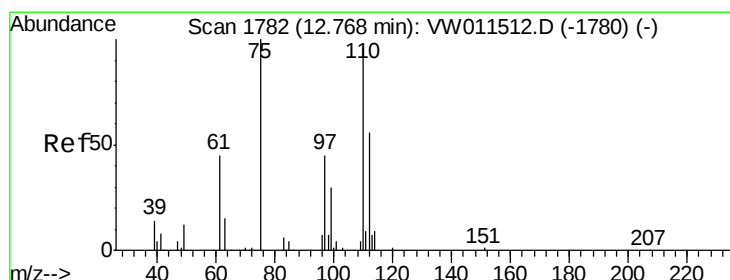
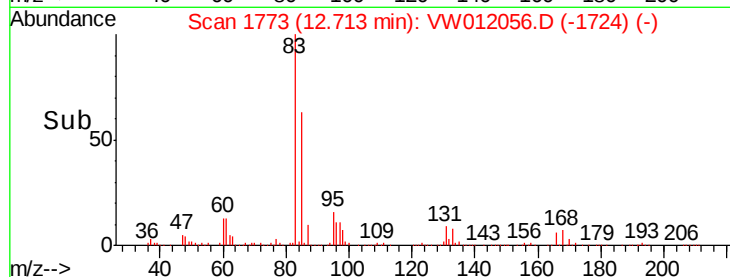
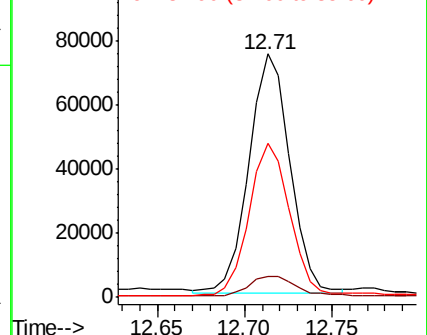
85 63.3 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 101.327 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012056.D

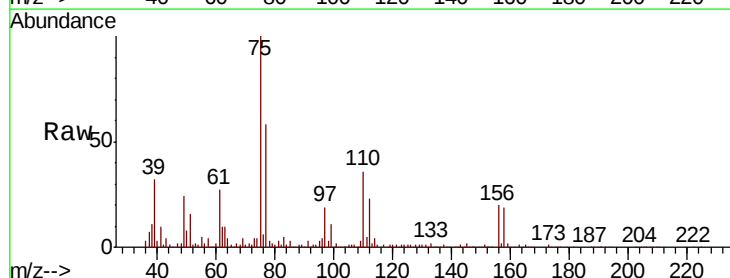
Acq: 21 Aug 2019 02:58

Tgt Ion: 75 Resp: 156528

Ion Ratio Lower Upper

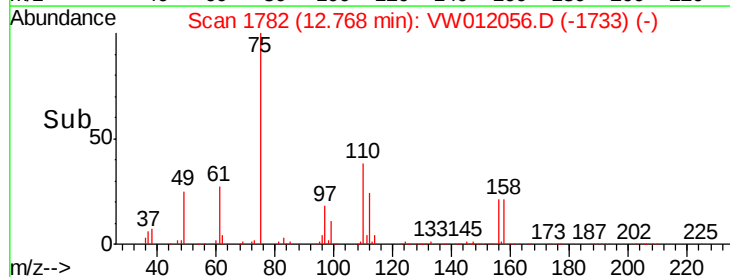
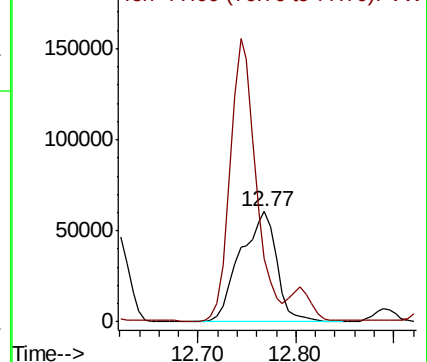
75 100

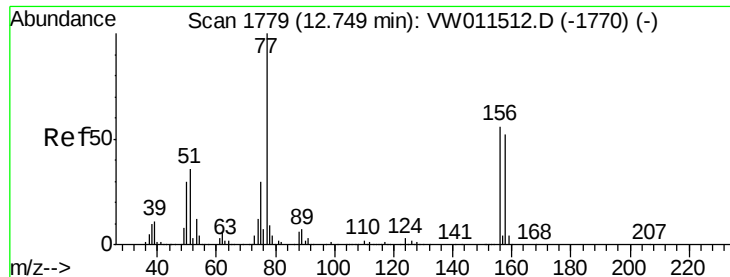
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 54.796 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

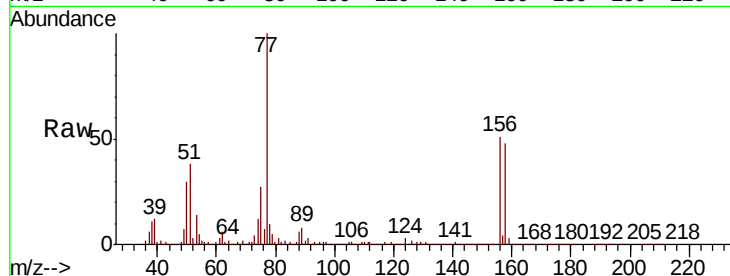
Tgt Ion:156 Resp: 131913

Ion Ratio Lower Upper

156 100

77 214.1 106.5 319.4

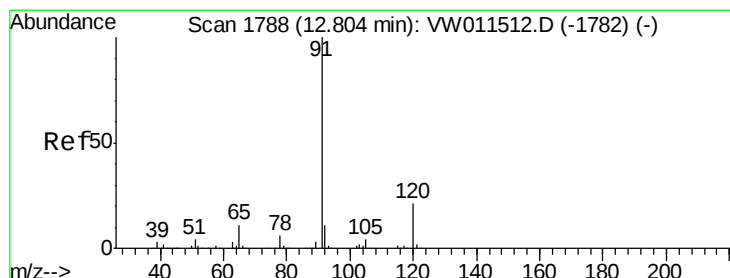
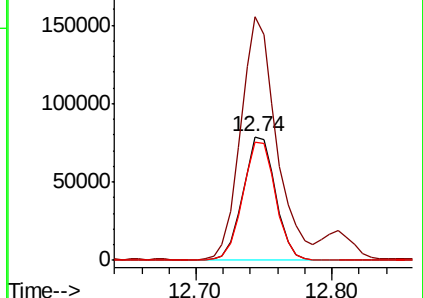
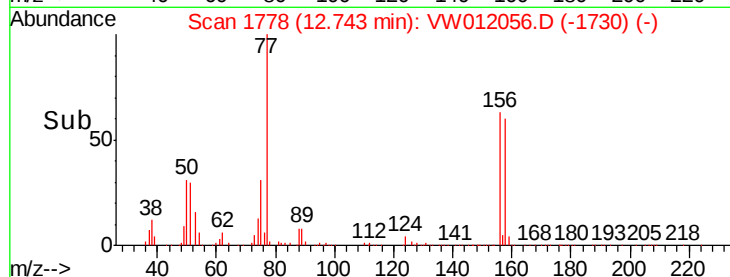
158 96.6 48.0 144.2



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: 53.101 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012056.D

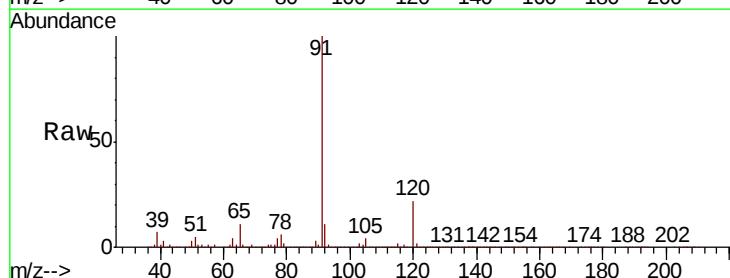
Acq: 21 Aug 2019 02:58

Tgt Ion: 91 Resp: 703847

Ion Ratio Lower Upper

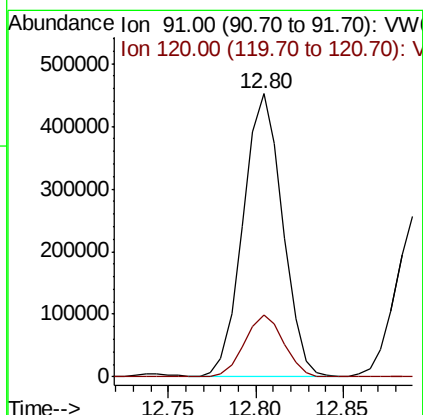
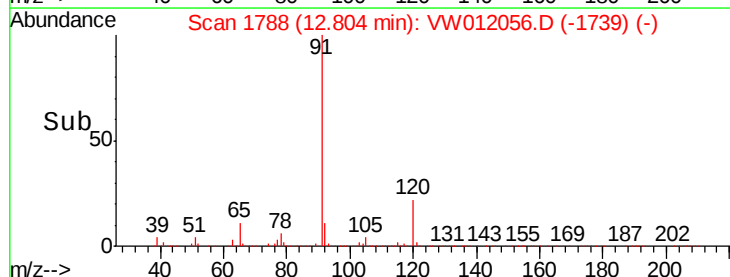
91 100

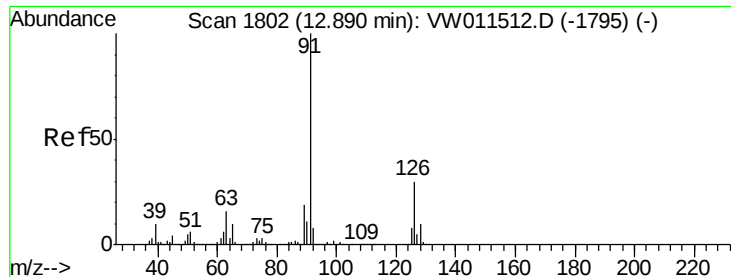
120 21.8 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

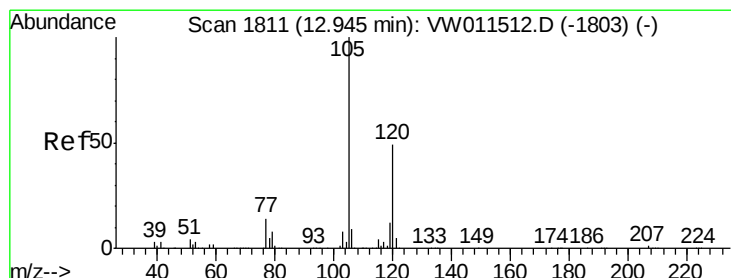
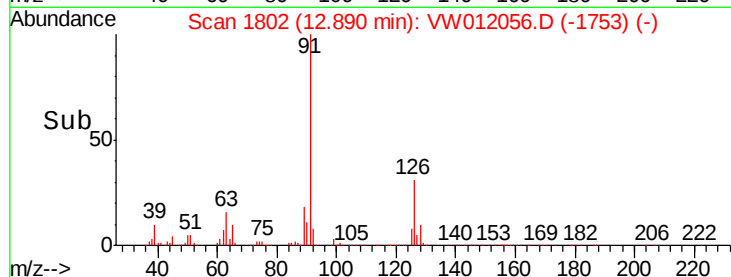
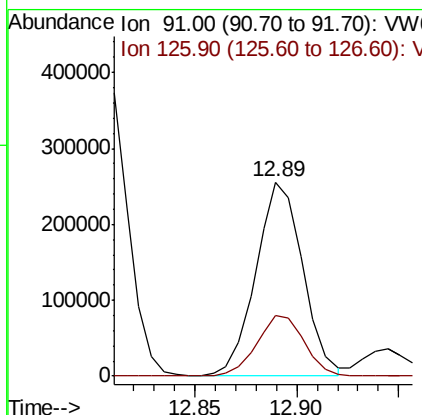
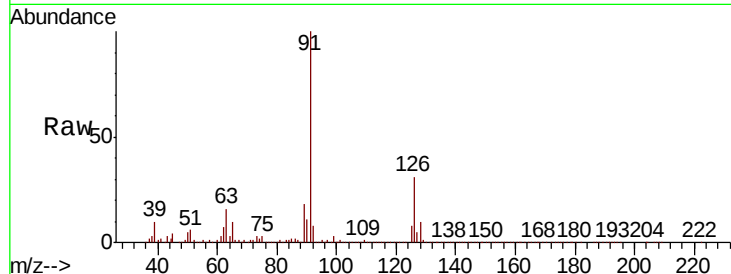




#79
 2-Chlorotoluene
 Concen: 53.110 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW012056.D
 Acq: 21 Aug 2019 02:58

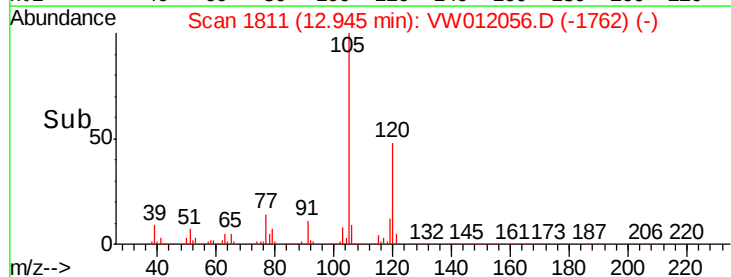
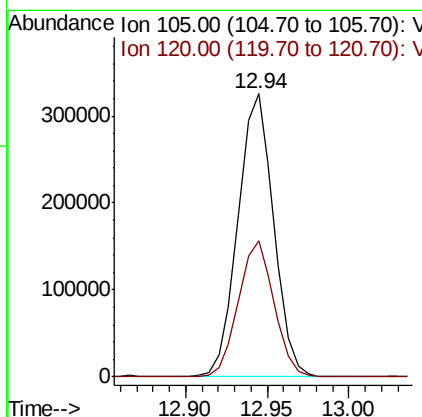
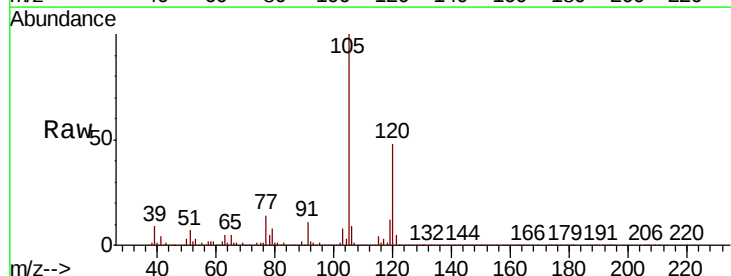
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

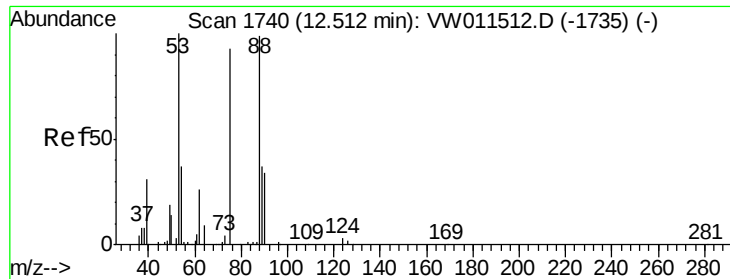
Tgt Ion: 91 Resp: 405559
 Ion Ratio Lower Upper
 91 100
 126 31.7 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 54.002 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW012056.D
 Acq: 21 Aug 2019 02:58

Tgt Ion: 105 Resp: 493020
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 55.988 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

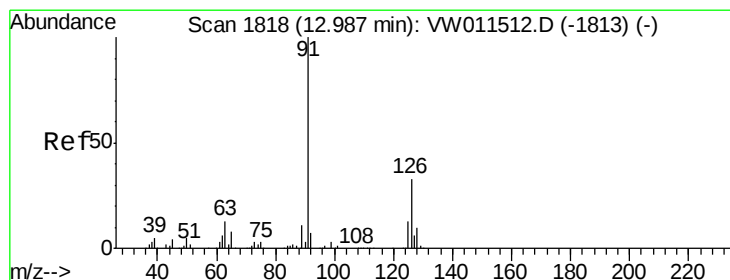
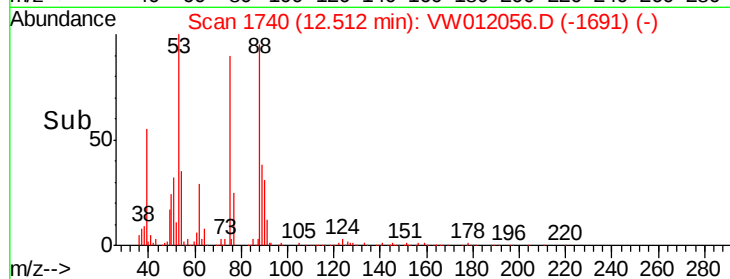
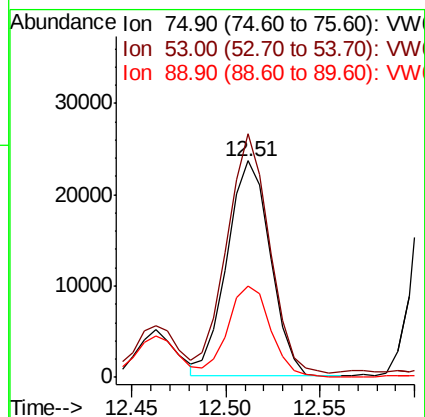
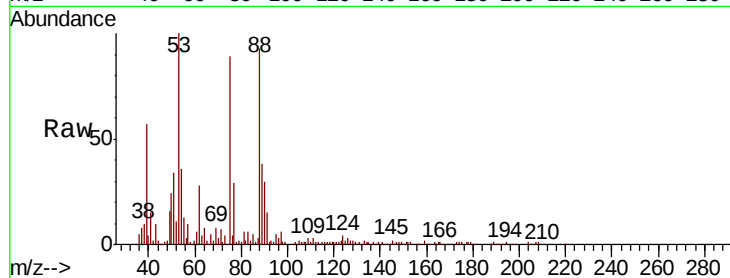
Tgt Ion: 75 Resp: 37528

Ion Ratio Lower Upper

75 100

53 108.8 88.0 132.0

89 41.9 35.3 52.9



#82

4-Chlorotoluene

Concen: 52.644 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012056.D

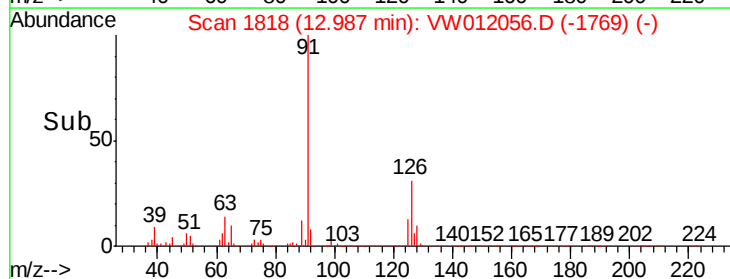
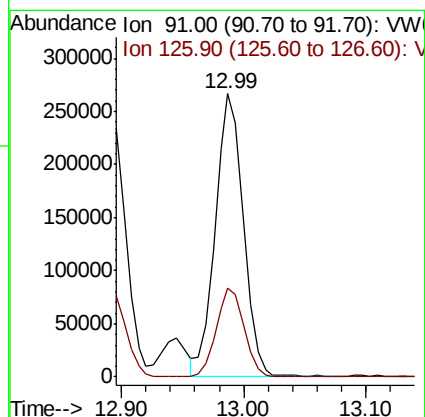
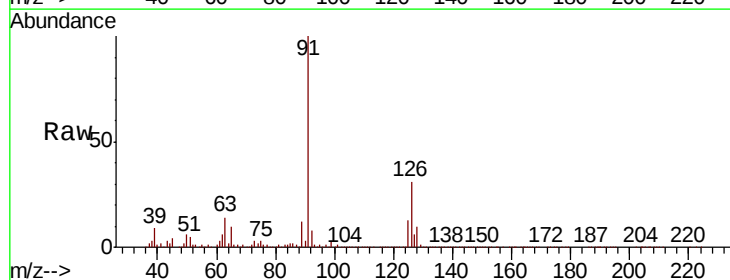
Acq: 21 Aug 2019 02:58

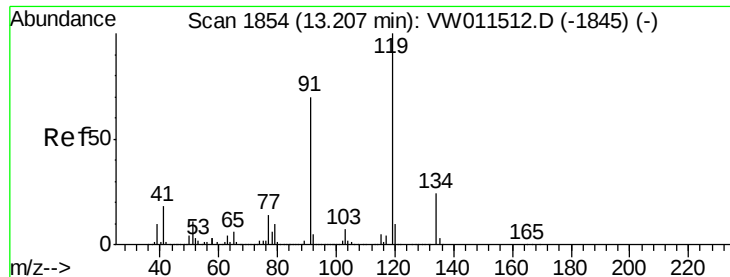
Tgt Ion: 91 Resp: 421778

Ion Ratio Lower Upper

91 100

126 31.2 15.6 46.8

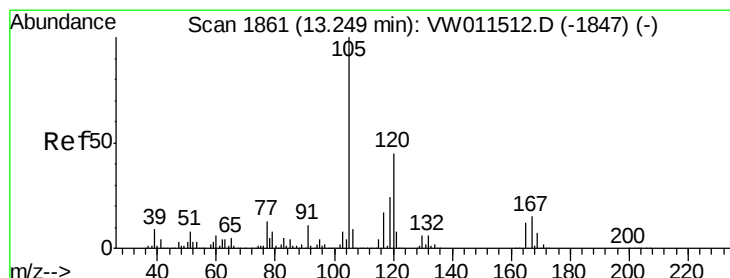
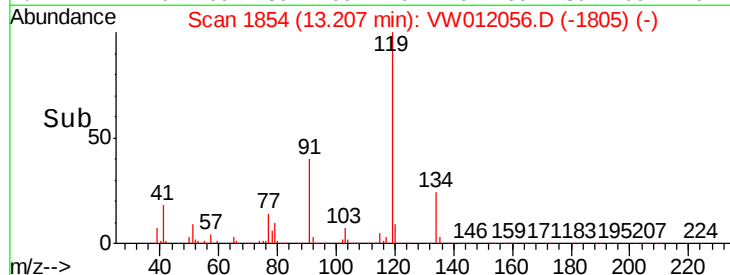
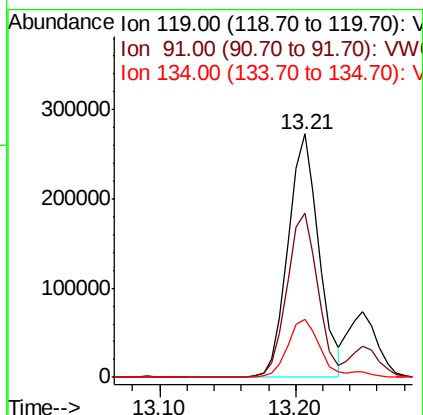
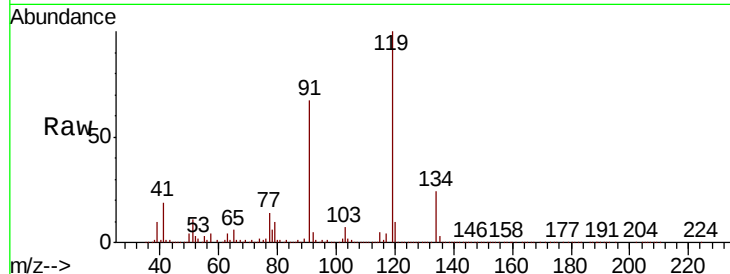




#83
 tert-Butylbenzene
 Concen: 55.934 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012056.D
 Acq: 21 Aug 2019 02:58

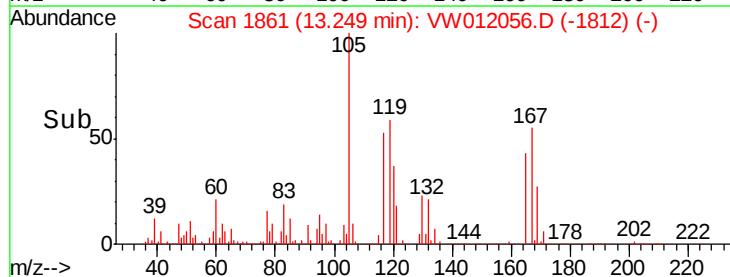
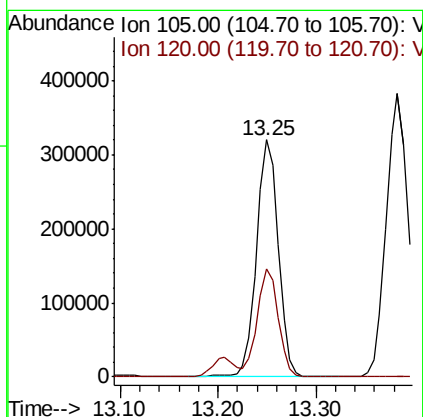
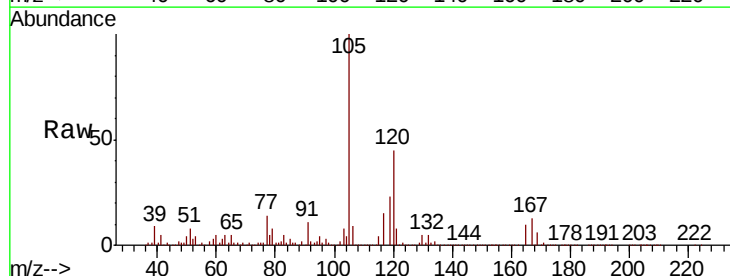
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

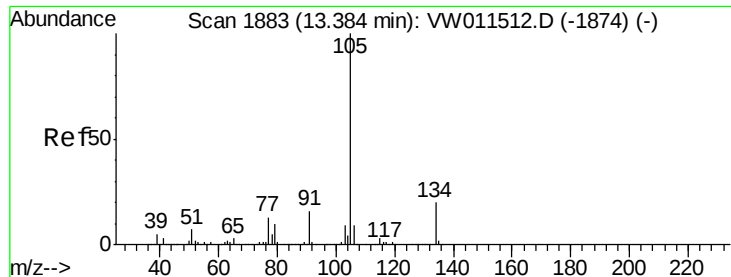
Tgt Ion:119 Resp: 427036
 Ion Ratio Lower Upper
 119 100
 91 67.3 34.5 103.6
 134 24.5 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 53.812 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012056.D
 Acq: 21 Aug 2019 02:58

Tgt Ion:105 Resp: 494908
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.1 66.5





#85

sec-Butylbenzene

Concen: 54.036 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Instrument :

MSVOA_W

ClientSampleId :

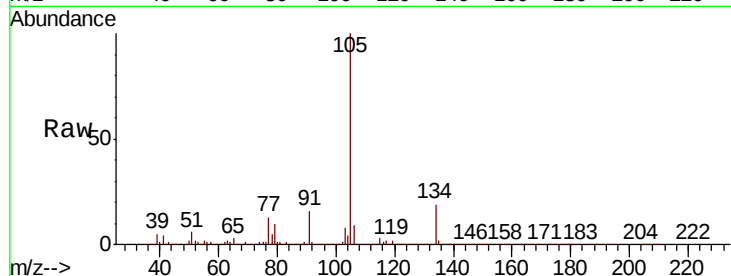
VSTDCCC050EC

Tgt Ion:105 Resp: 588653

Ion Ratio Lower Upper

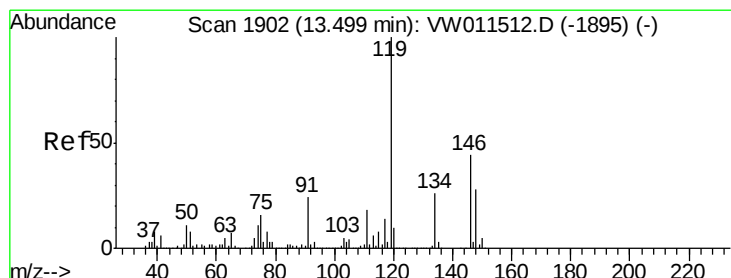
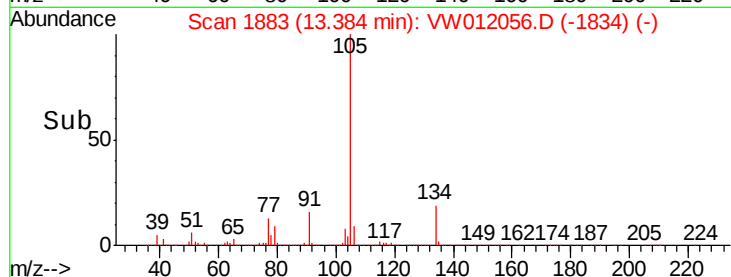
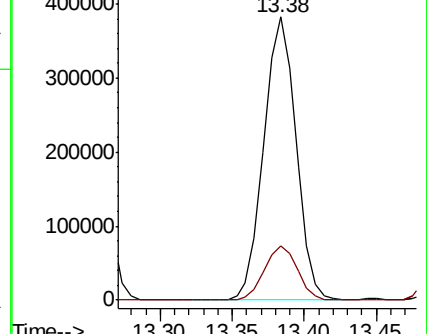
105 100

134 19.9 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.213 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

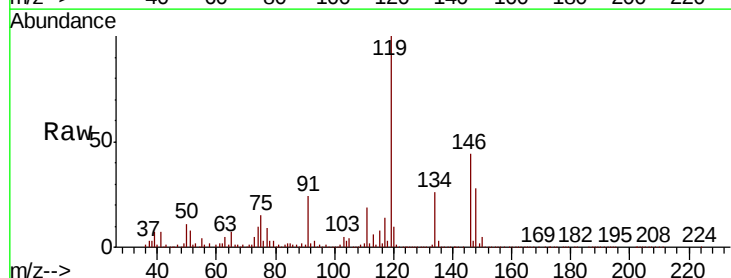
Tgt Ion:119 Resp: 525960

Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.4

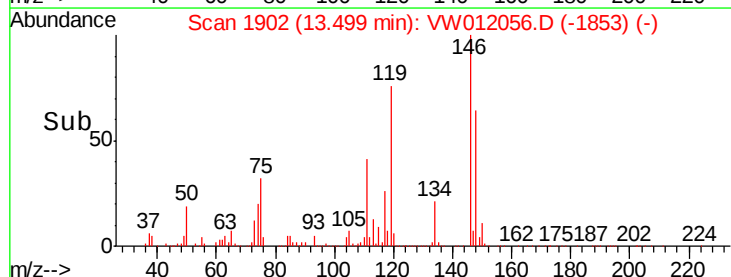
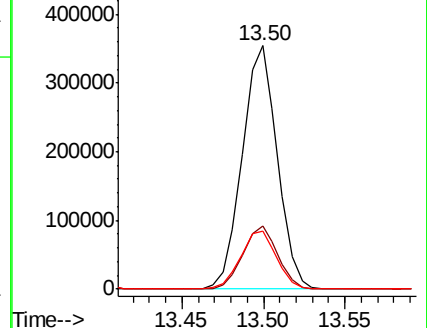
91 24.3 12.1 36.3

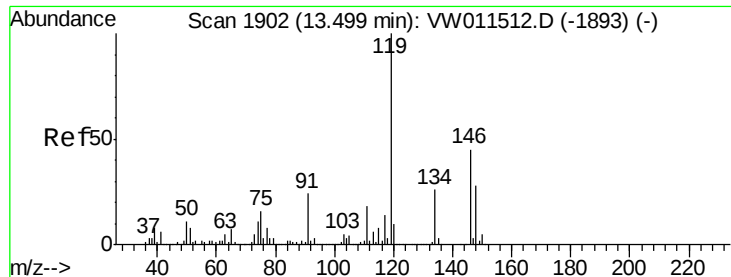


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 52.481 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

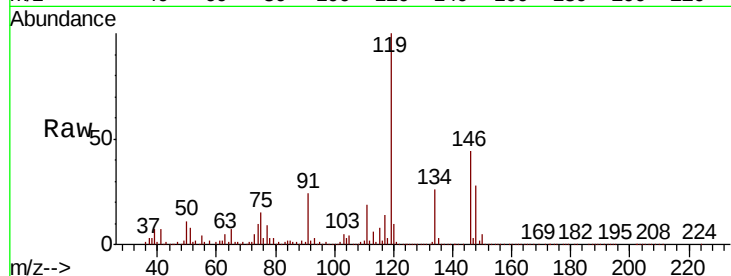
Tgt Ion:146 Resp: 247725

Ion Ratio Lower Upper

146 100

111 41.4 20.5 61.6

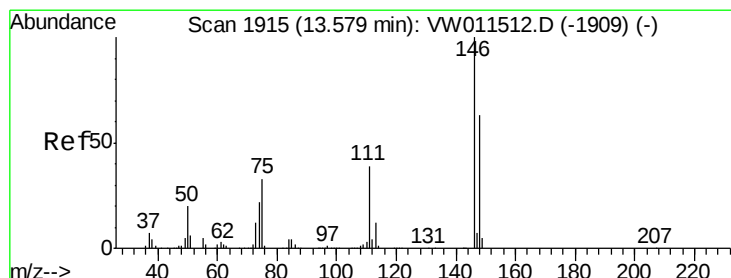
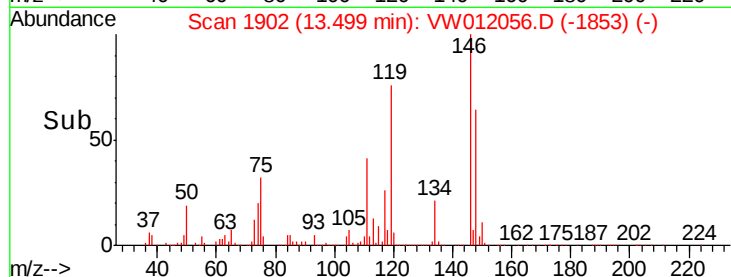
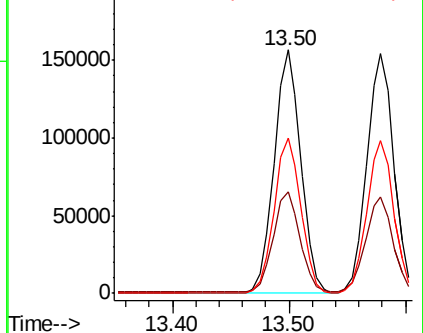
148 64.0 31.8 95.3



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



#88

1,4-Dichlorobenzene

Concen: 52.236 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

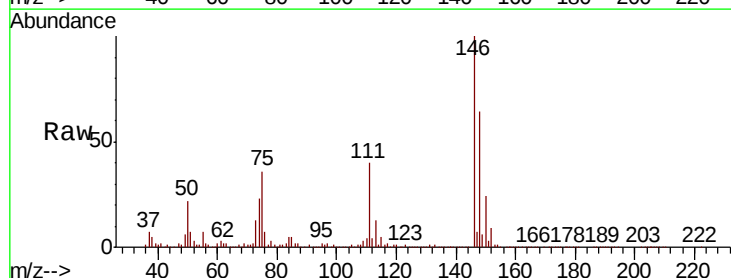
Tgt Ion:146 Resp: 245276

Ion Ratio Lower Upper

146 100

111 39.9 20.1 60.2

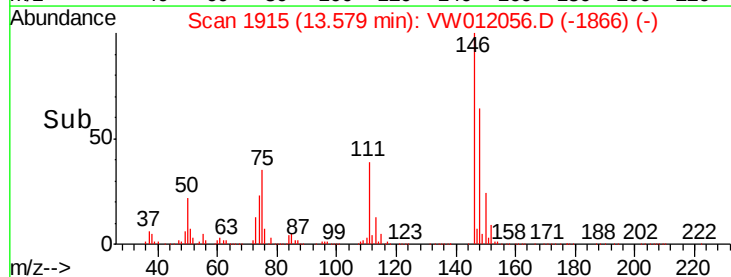
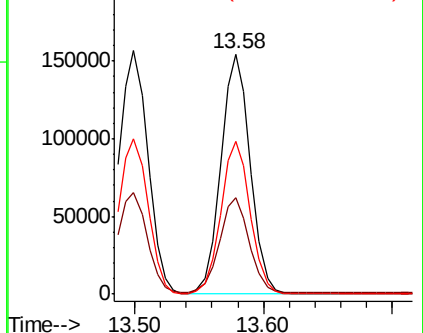
148 63.9 31.9 95.9

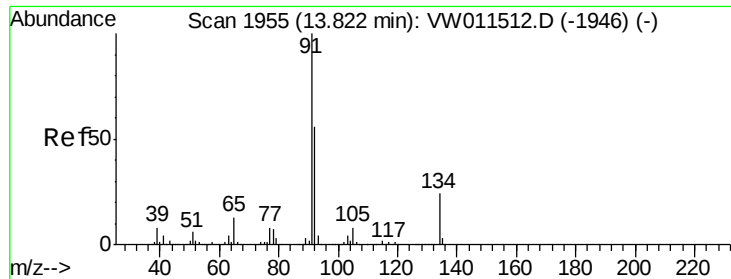


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 51.479 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

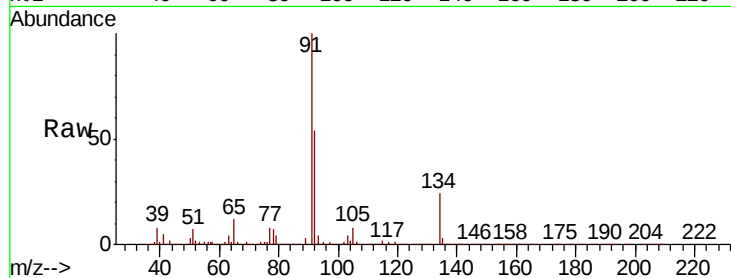
Tgt Ion: 91 Resp: 507778

Ion Ratio Lower Upper

91 100

92 54.8 27.5 82.4

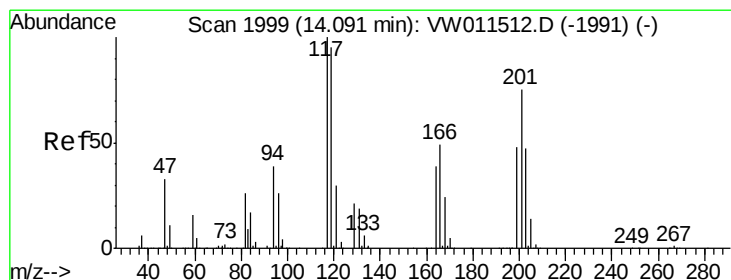
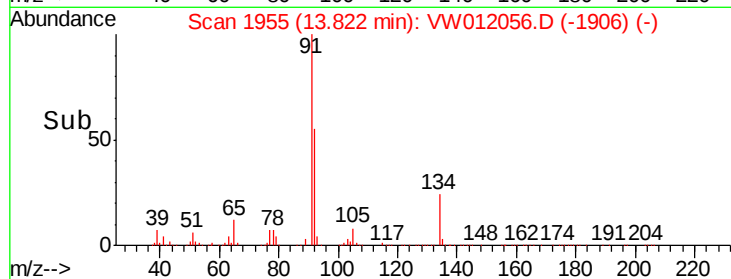
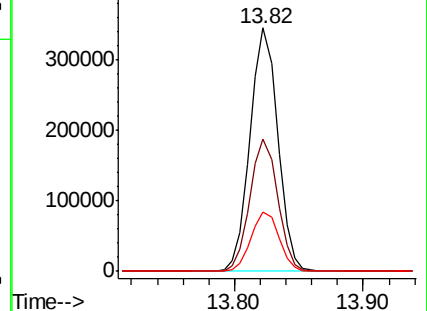
134 24.8 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 53.488 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012056.D

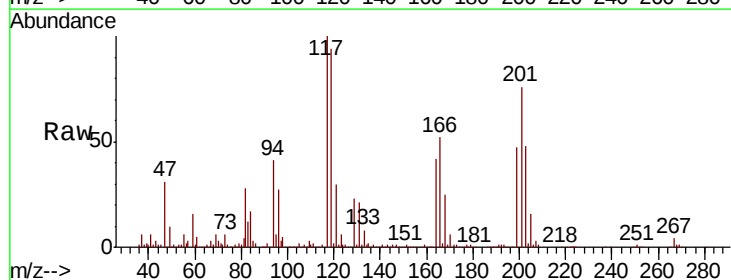
Acq: 21 Aug 2019 02:58

Tgt Ion: 117 Resp: 93485

Ion Ratio Lower Upper

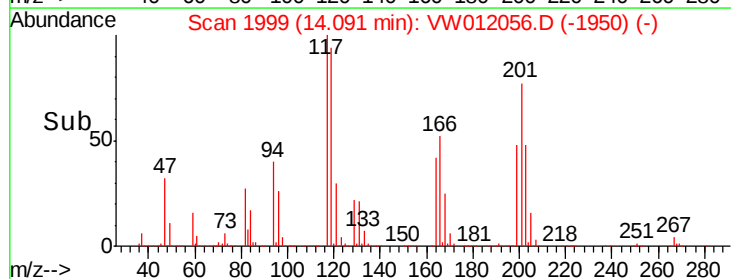
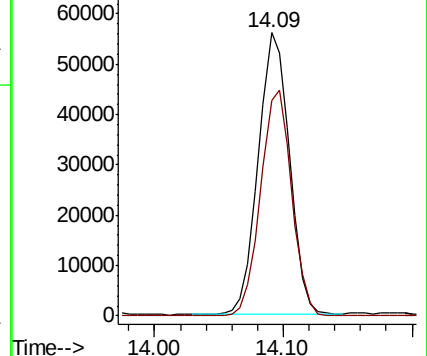
117 100

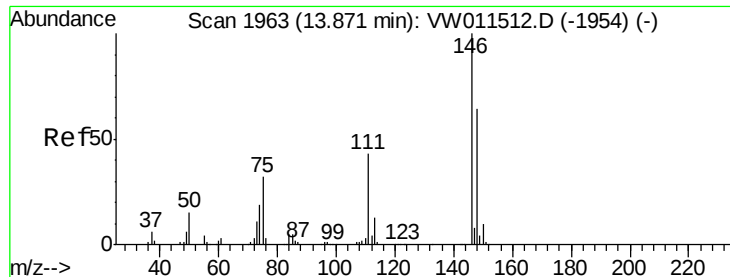
201 79.8 39.4 118.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

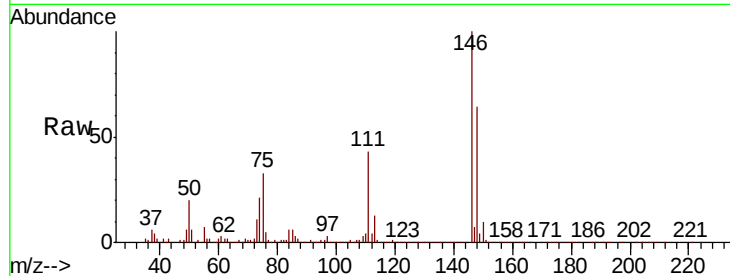




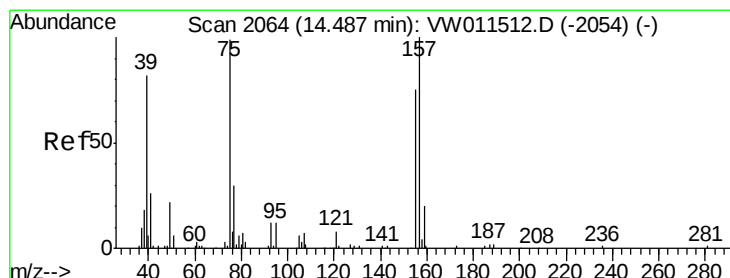
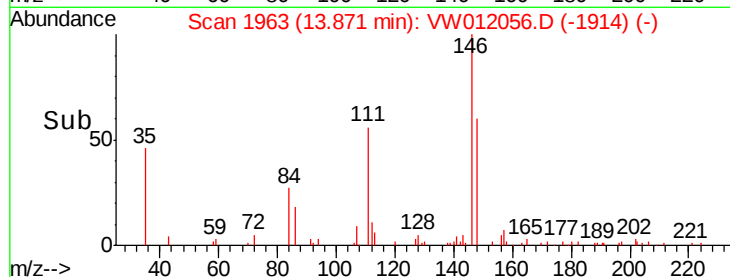
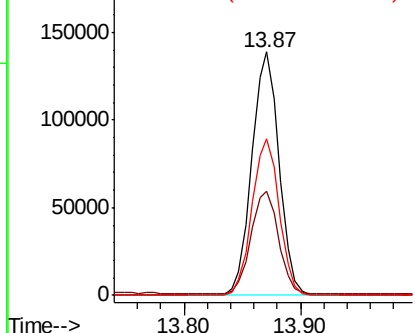
#91
 1,2-Dichlorobenzene
 Concen: 54.122 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012056.D
 Acq: 21 Aug 2019 02:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:146 Resp: 225950
 Ion Ratio Lower Upper
 146 100
 111 43.1 21.6 65.0
 148 64.2 32.0 96.2

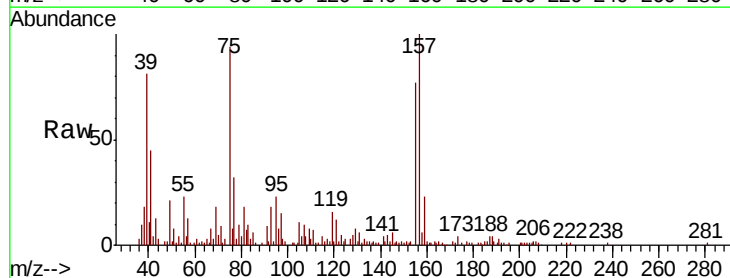


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

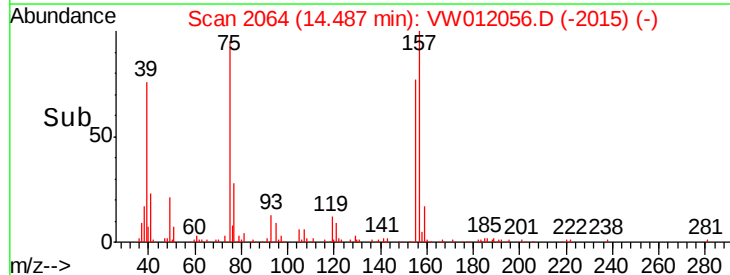
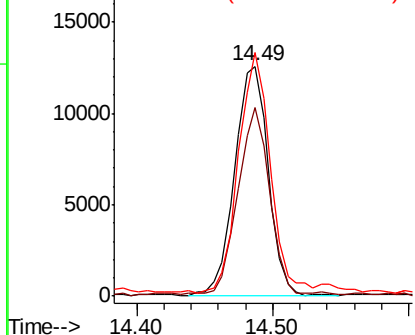


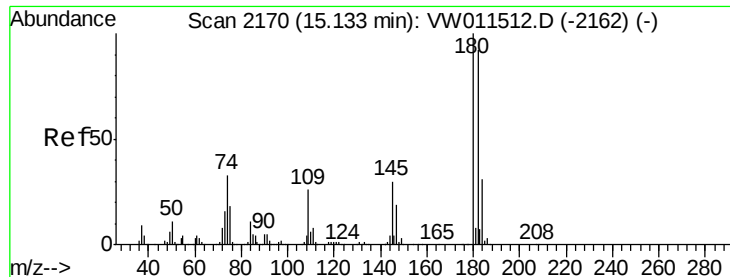
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 62.298 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW012056.D
 Acq: 21 Aug 2019 02:58

Tgt Ion: 75 Resp: 21764
 Ion Ratio Lower Upper
 75 100
 155 74.6 38.2 114.6
 157 98.8 48.9 146.7



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

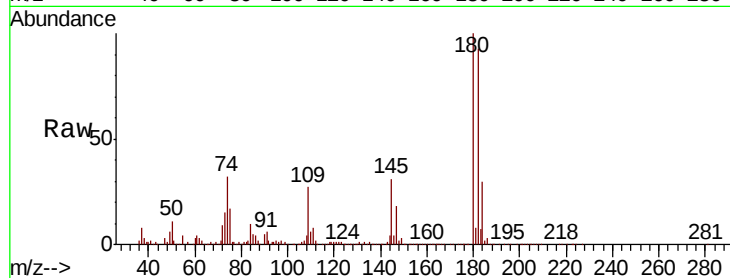




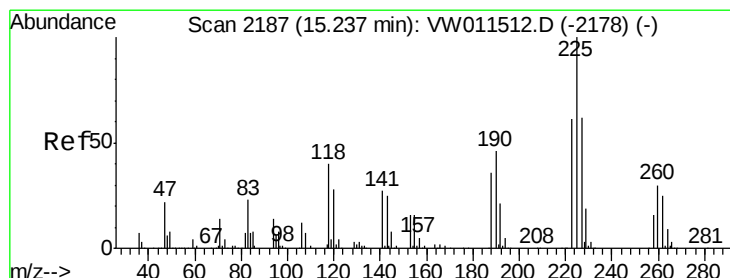
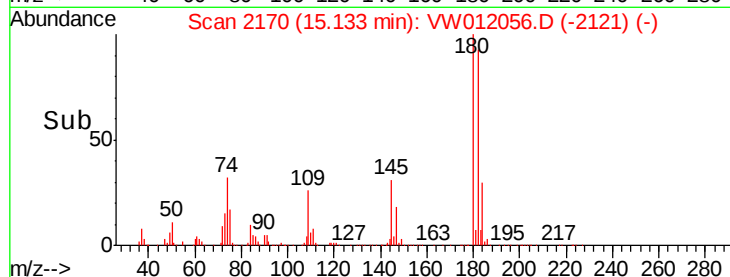
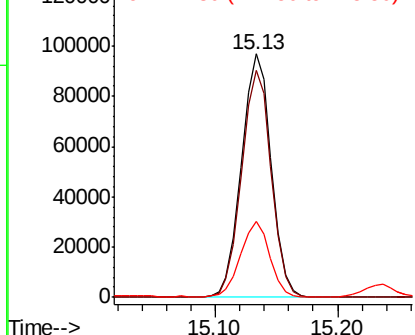
#93
 1,2,4-Trichlorobenzene
 Concen: 55.271 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012056.D
 Acq: 21 Aug 2019 02:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:180 Resp: 162623
 Ion Ratio Lower Upper
 180 100
 182 93.3 47.4 142.2
 145 30.2 15.4 46.1

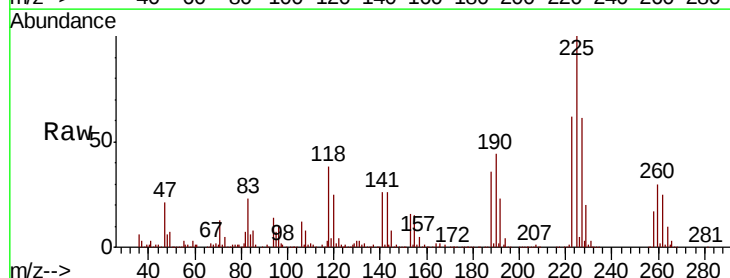


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

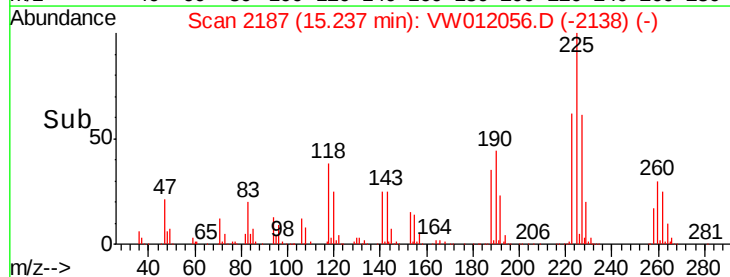
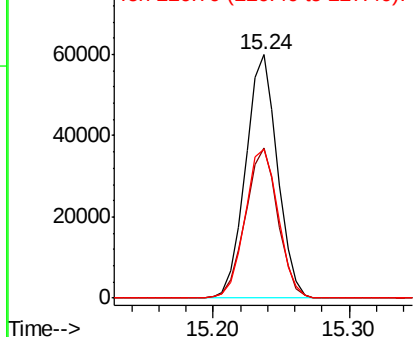


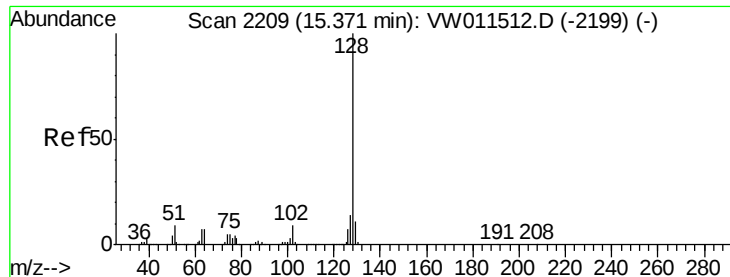
#94
 Hexachlorobutadiene
 Concen: 53.537 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012056.D
 Acq: 21 Aug 2019 02:58

Tgt Ion:225 Resp: 98233
 Ion Ratio Lower Upper
 225 100
 223 62.8 30.8 92.3
 227 63.7 31.6 94.7



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

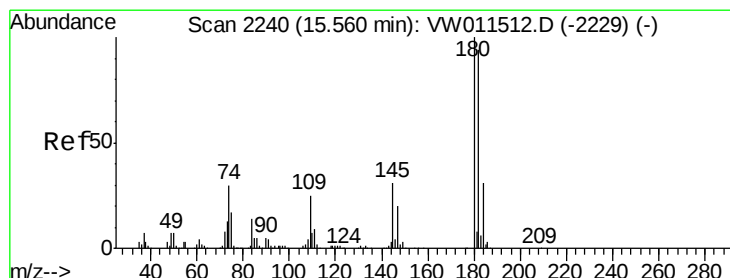
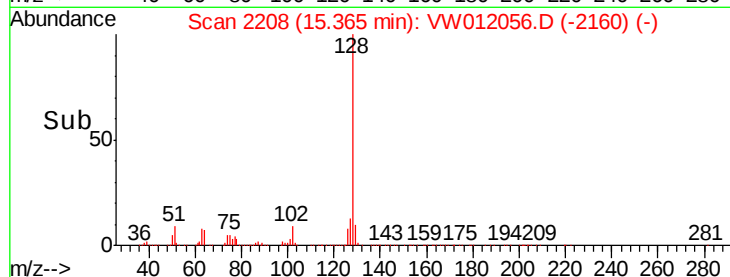
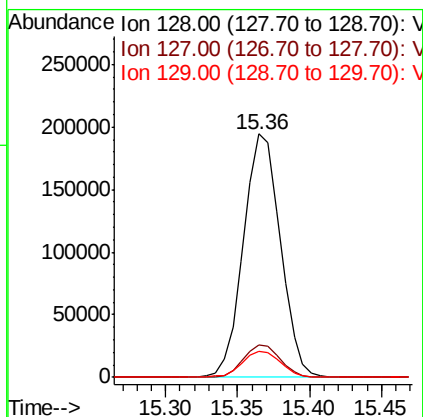
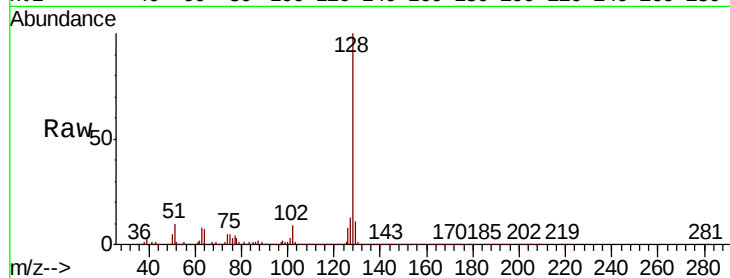




#95
Naphthalene
Concen: 59.210 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 343544
Ion Ratio Lower Upper
128 100
127 13.2 10.6 16.0
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 57.054 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Tgt Ion:180 Resp: 147148
Ion Ratio Lower Upper
180 100
182 95.0 47.4 142.2
145 32.3 15.9 47.7

