

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082619\
 Data File : VW012172.D
 Acq On : 26 Aug 2019 15:05
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 03 01:01:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	234288	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	364537	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	318259	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	153821	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	148149	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	
35) Dibromofluoromethane	7.88	113	119557	54.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.90%	
50) Toluene-d8	10.32	98	496028	56.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.44%	
62) 4-Bromofluorobenzene	12.62	95	172082	55.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	83632	57.973	ug/l	94
3) Chloromethane	2.20	50	115666	51.752	ug/l	99
4) Vinyl Chloride	2.35	62	142151	51.964	ug/l	100
5) Bromomethane	2.77	94	78613	56.744	ug/l	98
6) Chloroethane	2.92	64	78680	50.986	ug/l	94
7) Trichlorofluoromethane	3.24	101	79430	57.826	ug/l	98
8) Diethyl Ether	3.67	74	69111	53.007	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.05	101	127084	54.430	ug/l	99
10) Methyl Iodide	4.26	142	169464	53.643	ug/l	99
11) Tert butyl alcohol	5.11	59	5379	32.093	ug/l #	71
12) 1,1-Dichloroethene	4.03	96	128621	54.732	ug/l	99
13) Acrolein	3.90	56	40317	255.540	ug/l	96
14) Allyl chloride	4.66	41	275815	54.900	ug/l	100
15) Acrylonitrile	5.38	53	169759	262.685	ug/l	99
16) Acetone	4.17	43	191122	268.455	ug/l	100
17) Carbon Disulfide	4.37	76	383104	53.942	ug/l	100
18) Methyl Acetate	4.69	43	89540	50.779	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	203081	53.437	ug/l	99
20) Methylene Chloride	4.91	84	137393	51.049	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	139070	55.186	ug/l	97
22) Diisopropyl ether	6.31	45	507592	54.507	ug/l	98
23) Vinyl Acetate	6.26	43	1593594	278.064	ug/l	100
24) 1,1-Dichloroethane	6.21	63	274653	54.167	ug/l	99
25) 2-Butanone	7.19	43	246840	255.149	ug/l	99
26) 2,2-Dichloropropane	7.16	77	156489	54.527	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	147078	54.626	ug/l	99
28) Bromochloromethane	7.51	49	115716	52.361	ug/l	99
29) Tetrahydrofuran	7.54	42	154453	266.106	ug/l	100
30) Chloroform	7.67	83	250858	54.076	ug/l	99
31) Cyclohexane	7.95	56	262043	52.236	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	200822	54.723	ug/l	99
36) 1,1-Dichloropropene	8.08	75	212739	56.473	ug/l	99
37) Ethyl Acetate	7.26	43	110094	53.332	ug/l	99
38) Carbon Tetrachloride	8.07	117	187692	57.566	ug/l	99

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	241645	57.099	ug/l	99
40) Benzene	8.32	78	576723	56.067	ug/l	99
41) Methacrylonitrile	7.49	41	66063	54.451	ug/l	97
42) 1,2-Dichloroethane	8.40	62	178598	55.400	ug/l	100
43) Isopropyl Acetate	8.43	43	208903	54.633	ug/l	100
44) Trichloroethene	9.09	130	141498	56.587	ug/l	100
45) 1,2-Dichloropropane	9.37	63	153877	55.585	ug/l	98
46) Dibromomethane	9.46	93	68686	55.764	ug/l	99
47) Bromodichloromethane	9.65	83	181420	55.343	ug/l	99
48) Methyl methacrylate	9.43	41	101558	55.804	ug/l	97
49) 1,4-Dioxane	9.53	88	17914	950.034	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	541576	278.465	ug/l	99
52) Toluene	10.38	92	352043	56.970	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	190719	57.116	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	228146	56.586	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	97058	55.694	ug/l	98
56) Ethyl methacrylate	10.65	69	145360	57.310	ug/l	99
57) 1,3-Dichloropropane	10.93	76	184397	55.992	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	352553	270.836	ug/l	99
59) 2-Hexanone	10.97	43	394140	286.415	ug/l	100
60) Dibromochloromethane	11.13	129	110565	56.960	ug/l	99
61) 1,2-Dibromoethane	11.23	107	91149	56.141	ug/l	99
64) Tetrachloroethene	10.86	164	115743	56.094	ug/l	98
65) Chlorobenzene	11.66	112	345195	55.083	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	121619	55.629	ug/l	99
67) Ethyl Benzene	11.73	91	686036	56.829	ug/l	99
68) m/p-Xylenes	11.84	106	495685	113.991	ug/l	99
69) o-Xylene	12.16	106	226845	56.364	ug/l	99
70) Styrene	12.18	104	392582	56.355	ug/l	100
71) Bromoform	12.35	173	60747	55.770	ug/l	99
73) Isopropylbenzene	12.46	105	638230	55.373	ug/l	98
74) N-amyl acetate	12.27	43	196932	56.552	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	116534	55.149	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	156170	104.245	ug/l #	100
77) Bromobenzene	12.74	156	136557	54.764	ug/l	99
78) n-propylbenzene	12.80	91	789956	56.141	ug/l	99
79) 2-Chlorotoluene	12.89	91	442179	55.351	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	537359	55.794	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	38604	56.498	ug/l	99
82) 4-Chlorotoluene	12.99	91	467375	55.874	ug/l	99
83) tert-Butylbenzene	13.21	119	453579	55.597	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	535330	55.333	ug/l	99
85) sec-Butylbenzene	13.38	105	654872	56.028	ug/l	99
86) p-Isopropyltoluene	13.50	119	587170	56.251	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	268263	55.003	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	267746	55.288	ug/l	99
89) n-Butylbenzene	13.82	91	595031	57.323	ug/l	99
90) Hexachloroethane	14.09	117	101683	55.523	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	238118	55.653	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	19629	55.102	ug/l	96

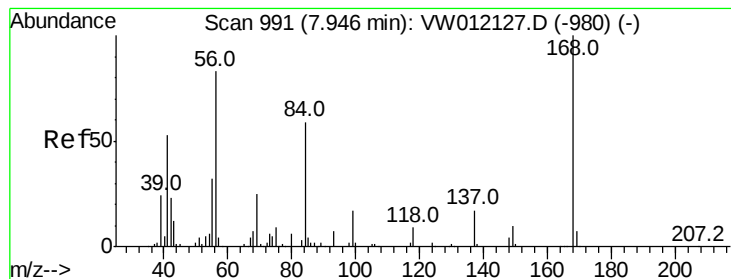
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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	172543	58.355	ug/l	99
94) Hexachlorobutadiene	15.24	225	111731	57.228	ug/l	98
95) Naphthalene	15.36	128	316219	54.112	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	150478	58.331	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: VW012172.D

Acq: 26 Aug 2019 15:05

Instrument :

MSVOA_W

ClientSampleId :

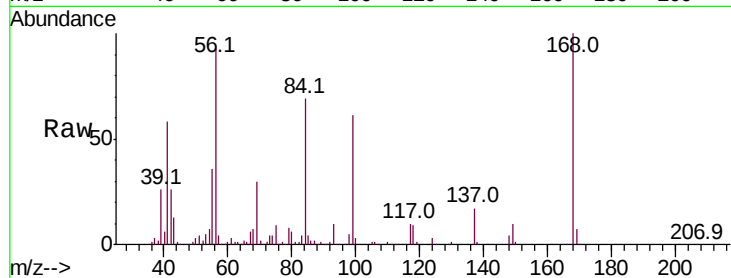
VSTDCCC050EC

Tot Ion:168 Resp: 234288

Ion Ratio Lower Upper

168 100

99 60.7 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

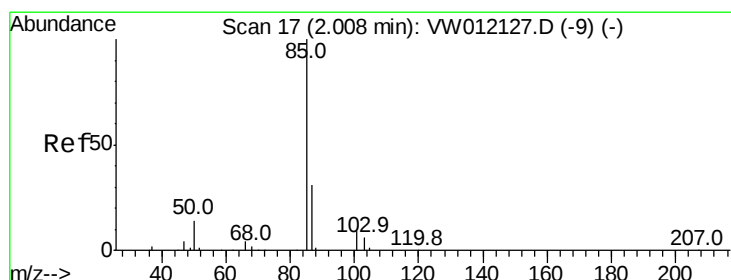
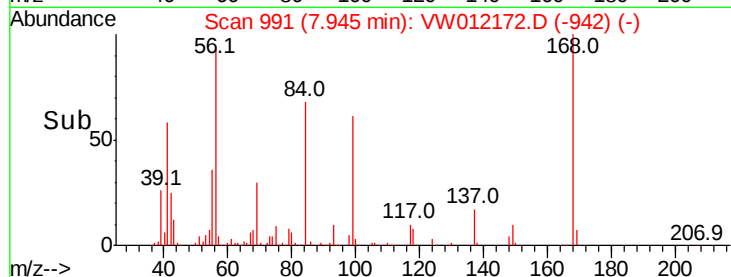
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 57.973 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012172.D

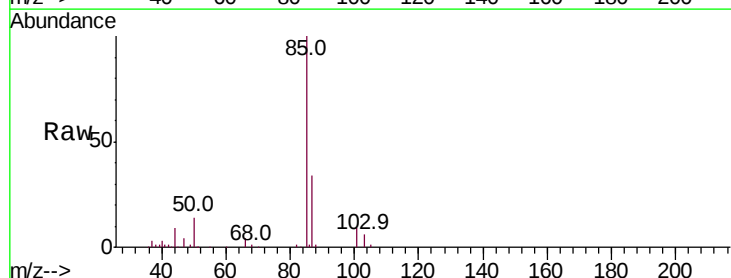
Acq: 26 Aug 2019 15:05

Tgt Ion: 85 Resp: 83632

Ion Ratio Lower Upper

85 100

87 34.3 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

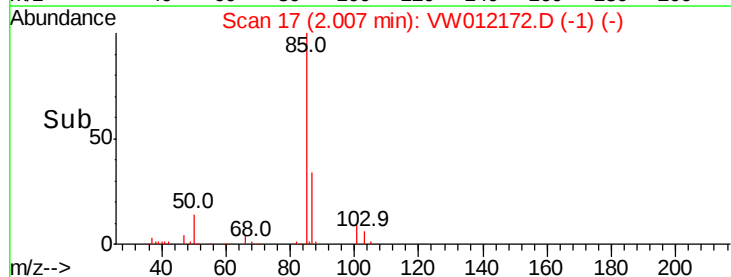
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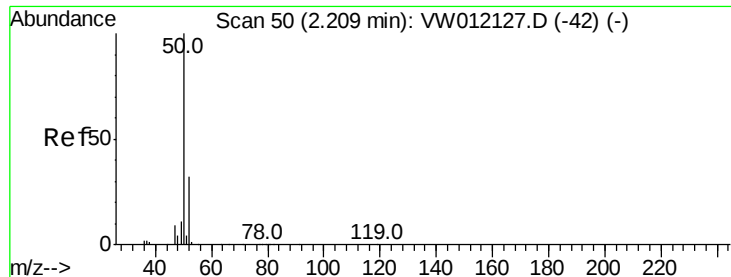
20000

10000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 51.752 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW012172.D

Acq: 26 Aug 2019 15:05

Instrument :

MSVOA_W

ClientSampleId :

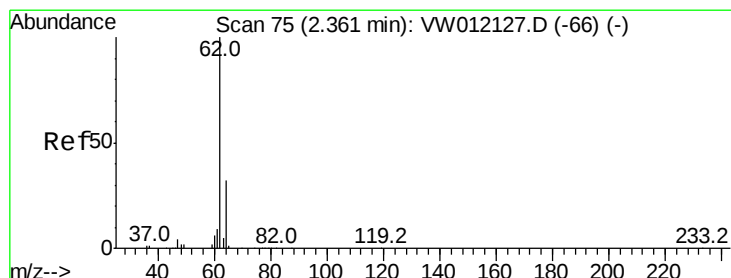
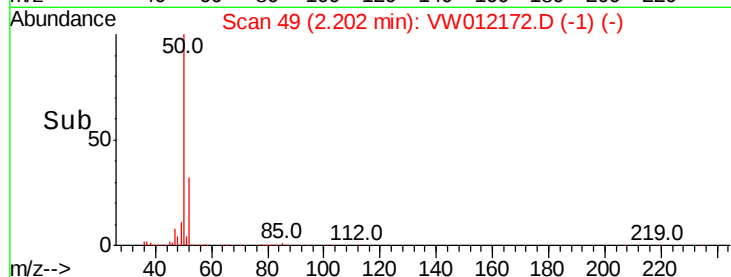
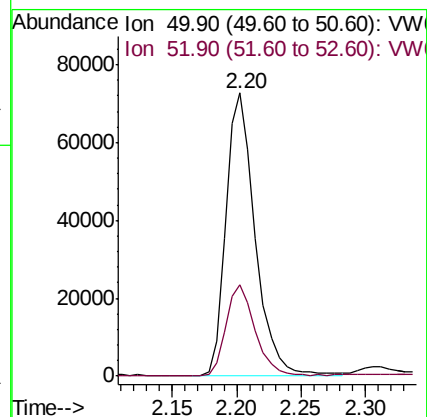
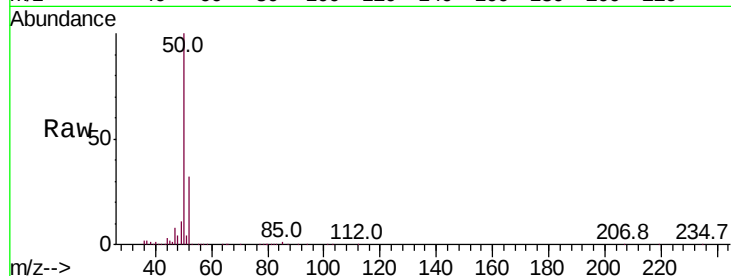
VSTDCCC050EC

Tot Ion: 50 Resp: 115666

Ion Ratio Lower Upper

50 100

52 32.3 25.5 38.3



#4

Vinyl Chloride

Concen: 51.964 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.01 min

Lab File: VW012172.D

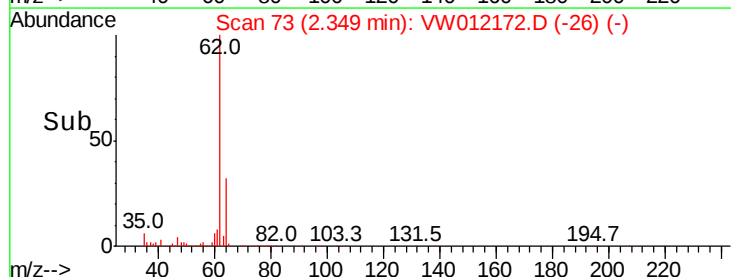
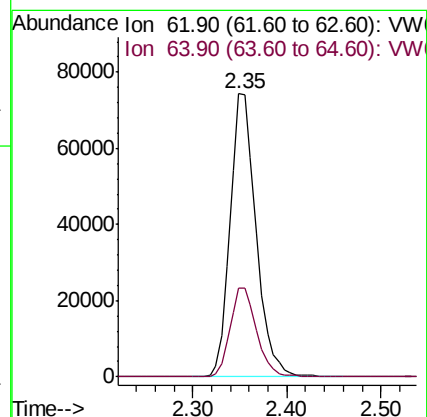
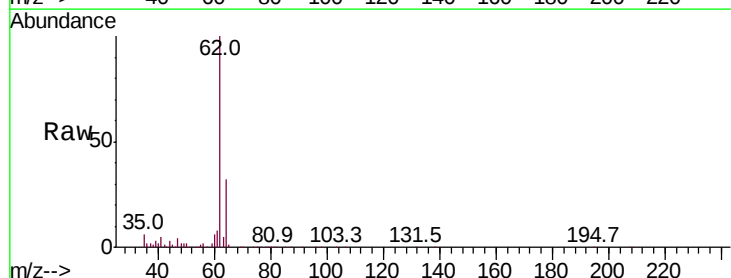
Acq: 26 Aug 2019 15:05

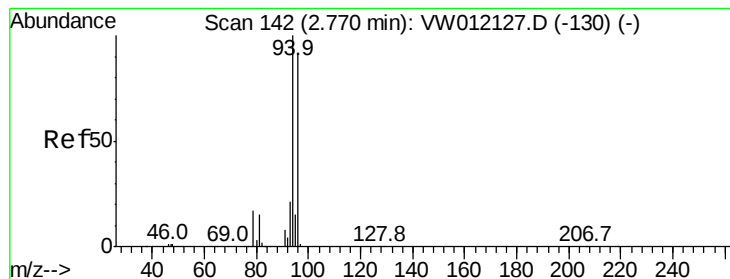
Tgt Ion: 62 Resp: 142151

Ion Ratio Lower Upper

62 100

64 31.5 25.3 37.9





#5

Bromomethane

Concen: 56.744 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW012172.D

Acq: 26 Aug 2019 15:05

Instrument :

MSVOA_W

ClientSampleId :

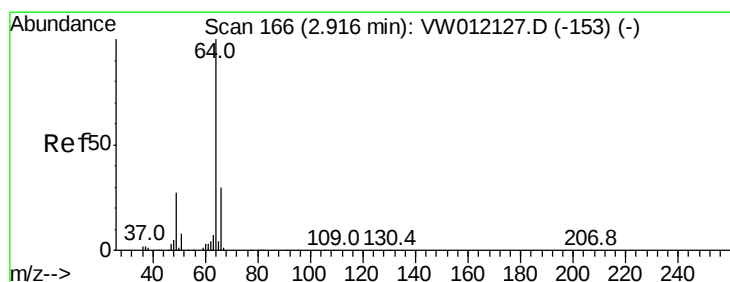
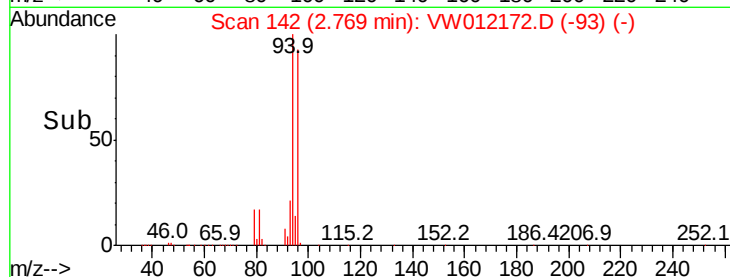
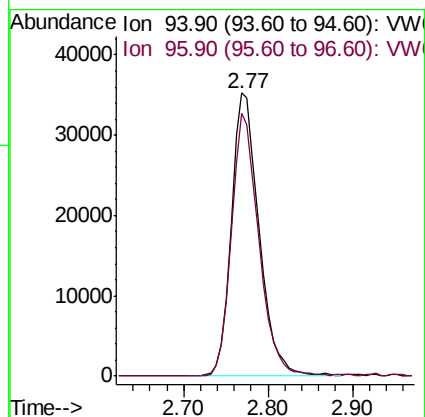
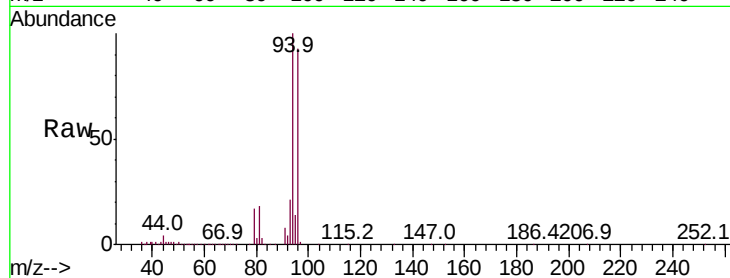
VSTDCCC050EC

Tot Ion: 94 Resp: 78613

Ion Ratio Lower Upper

94 100

96 92.7 72.9 109.3



#6

Chloroethane

Concen: 50.986 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW012172.D

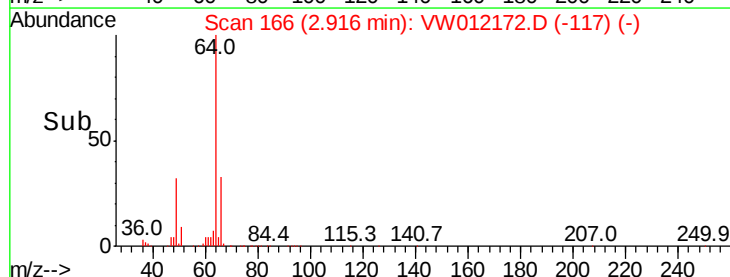
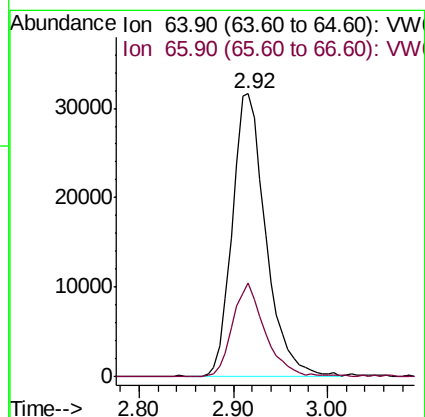
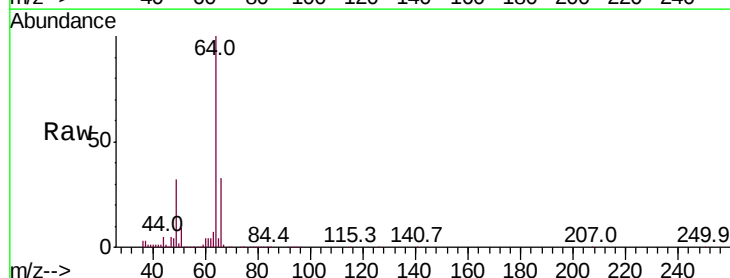
Acq: 26 Aug 2019 15:05

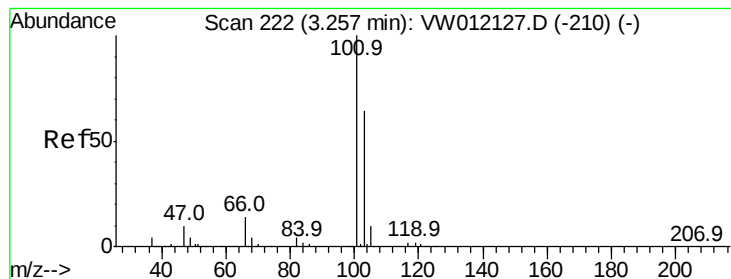
Tgt Ion: 64 Resp: 78680

Ion Ratio Lower Upper

64 100

66 32.9 23.8 35.8



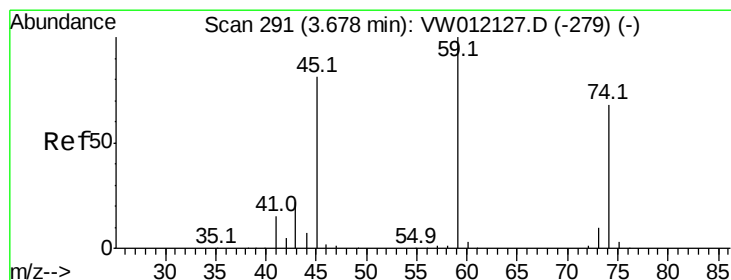
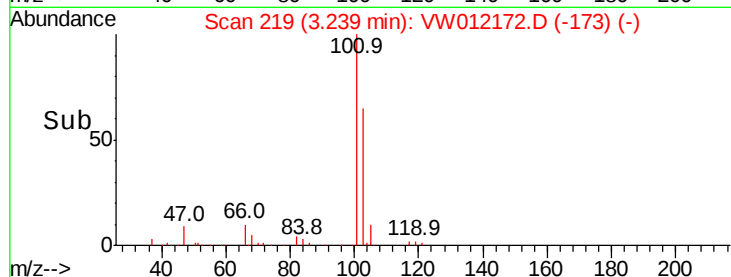
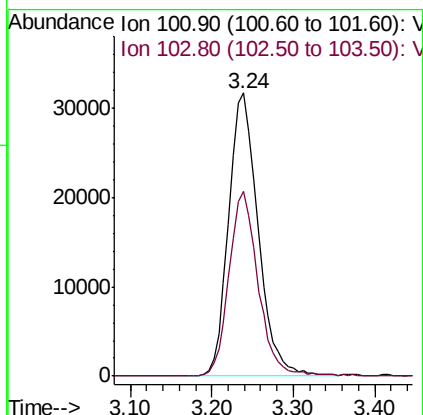
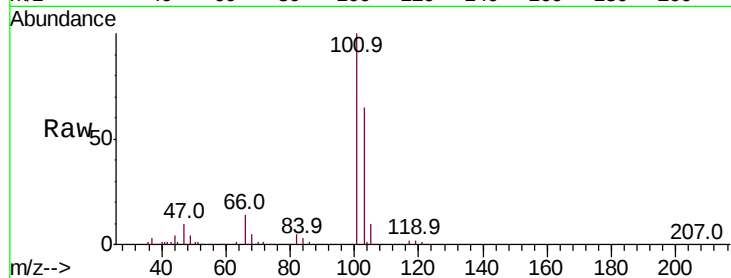


#7

Trichlorofluoromethane
Concen: 57.826 ug/l
RT: 3.24 min Scan# 219
Delta R.T. -0.02 min
Lab File: VW012172.D
Acq: 26 Aug 2019 15:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

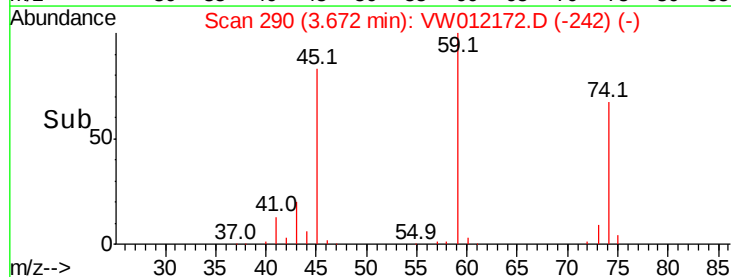
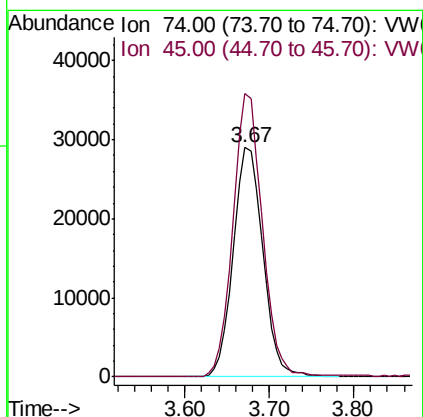
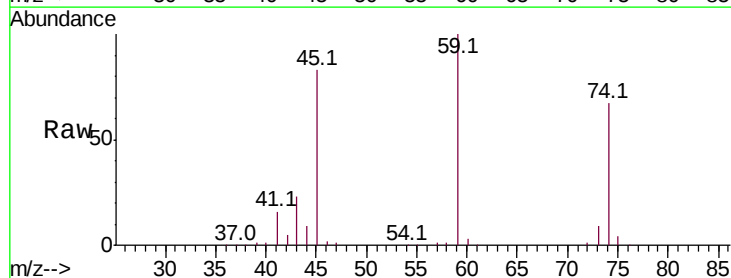
Tot Ion:101 Resp: 79430
Ion Ratio Lower Upper
101 100
103 65.4 51.2 76.8

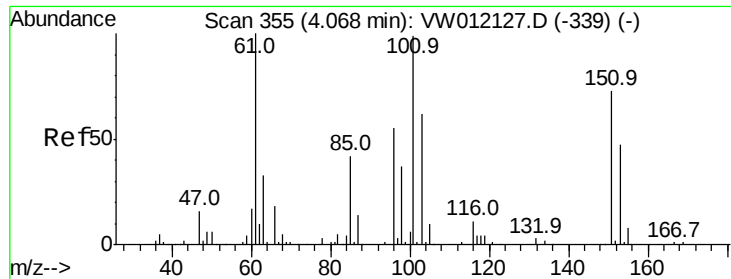


#8

Diethyl Ether
Concen: 53.007 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW012172.D
Acq: 26 Aug 2019 15:05

Tgt Ion: 74 Resp: 69111
Ion Ratio Lower Upper
74 100
45 122.5 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.430 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.02 min

Lab File: VW012172.D

Acq: 26 Aug 2019 15:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

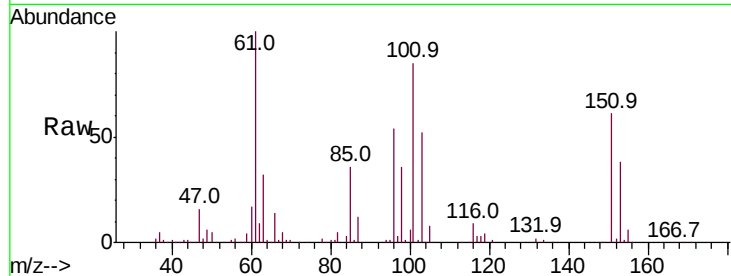
Tot Ion:101 Resp: 127084

Ion Ratio Lower Upper

101 100

85 44.8 35.8 53.6

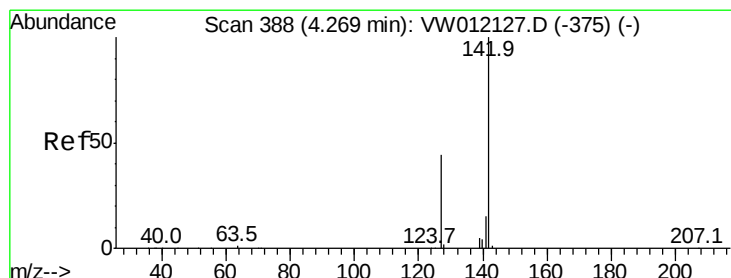
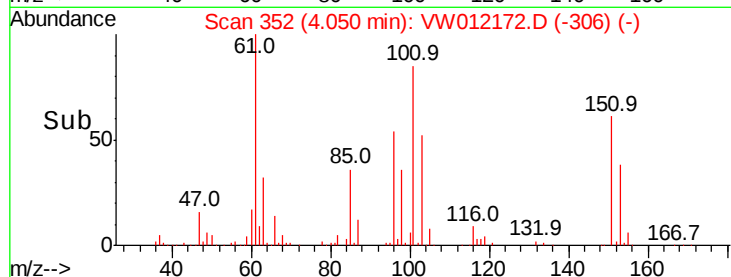
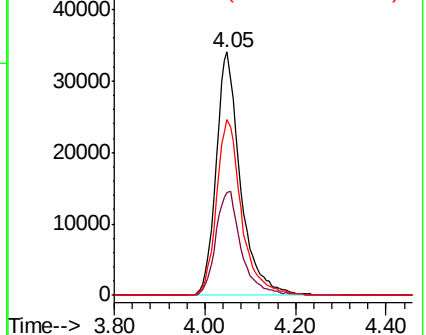
151 74.3 58.6 87.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.643 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW012172.D

Acq: 26 Aug 2019 15:05

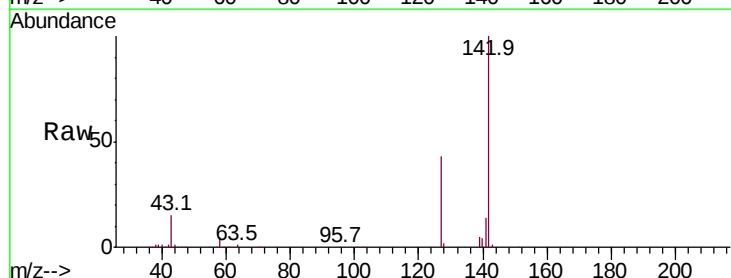
Tgt Ion:142 Resp: 169464

Ion Ratio Lower Upper

142 100

127 44.0 35.5 53.3

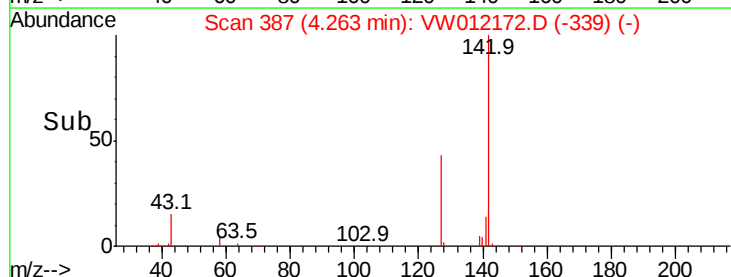
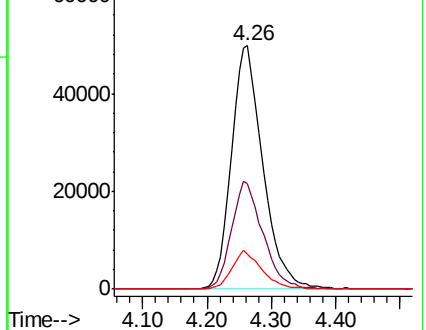
141 15.0 11.8 17.8

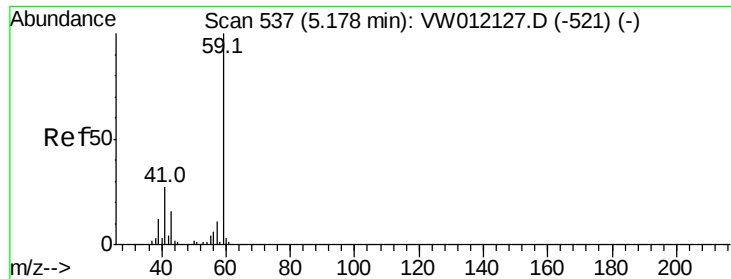


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 32.093 ug/l

RT: 5.11 min Scan# 526

Delta R.T. -0.07 min

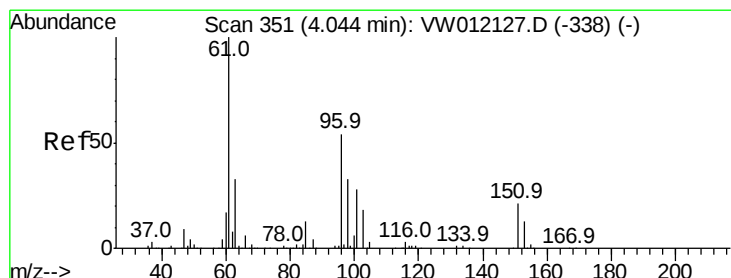
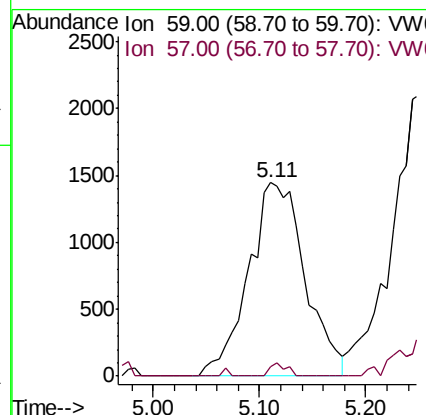
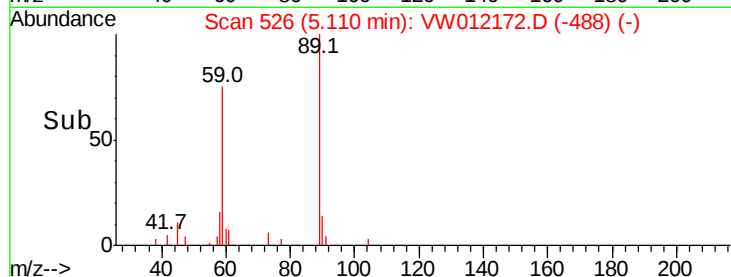
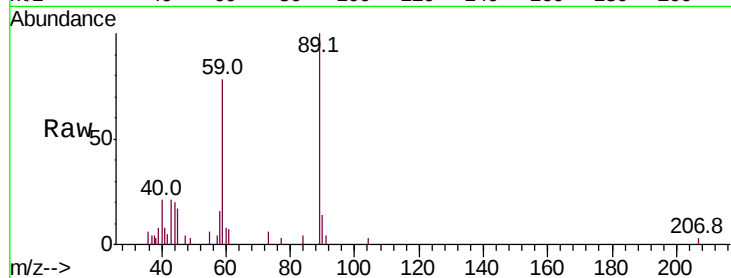
Lab File: VW012127.D

Acq: 26 Aug 2019 15:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 5379

Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.0	13.4#



#12

1,1-Dichloroethene

Concen: 54.732 ug/l

RT: 4.03 min Scan# 348

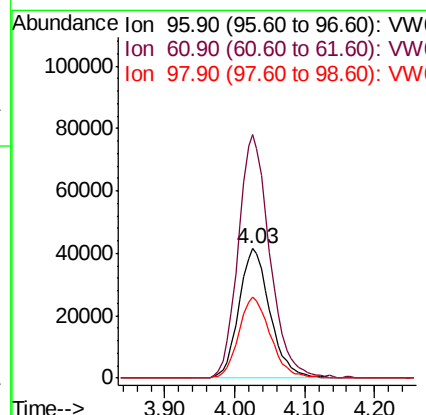
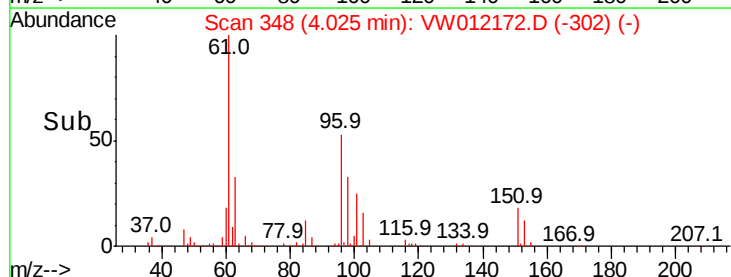
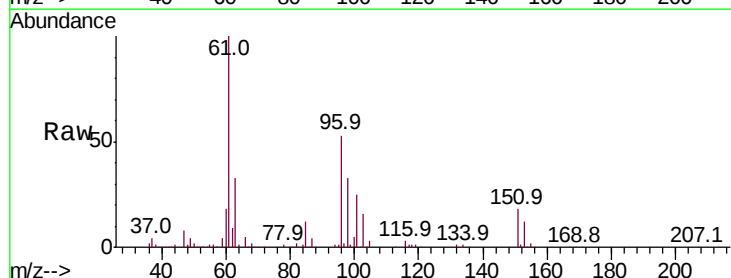
Delta R.T. -0.02 min

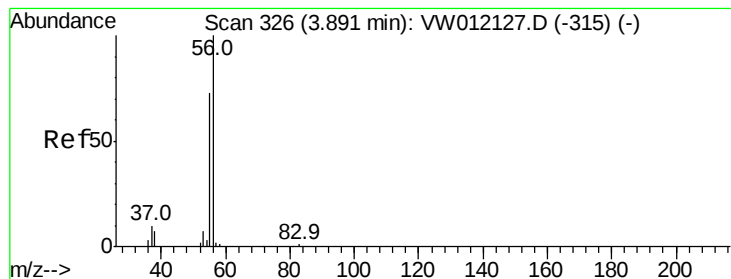
Lab File: VW012127.D

Acq: 26 Aug 2019 15:05

Tgt Ion: 96 Resp: 128621

Ion	Ratio	Lower	Upper
96	100		
61	188.1	149.1	223.7
98	62.6	49.4	74.2





#13

Acrolein

Concen: 255.540 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW012172.D

Acq: 26 Aug 2019 15:05

Instrument :

MSVOA_W

ClientSampleId :

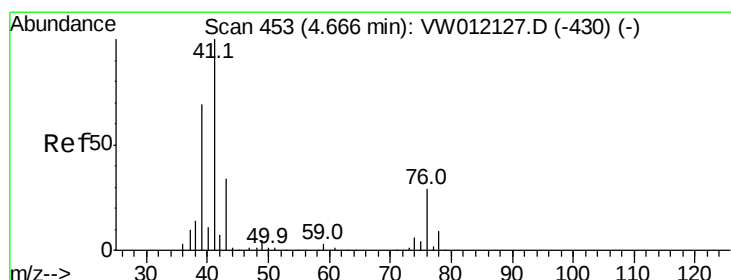
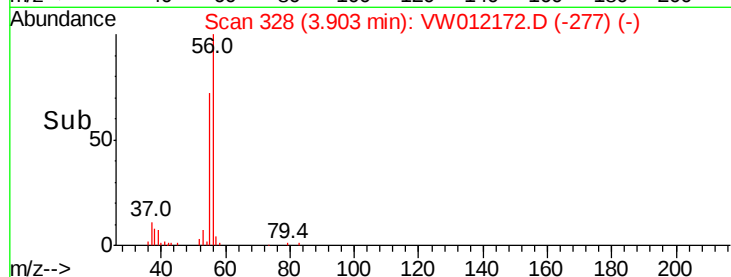
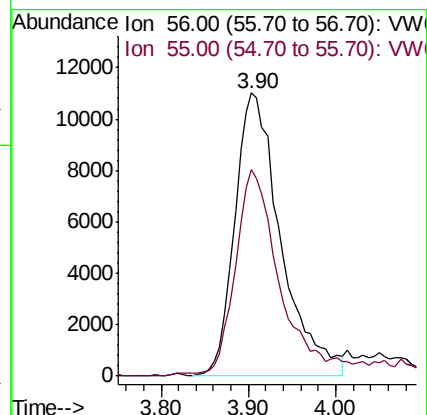
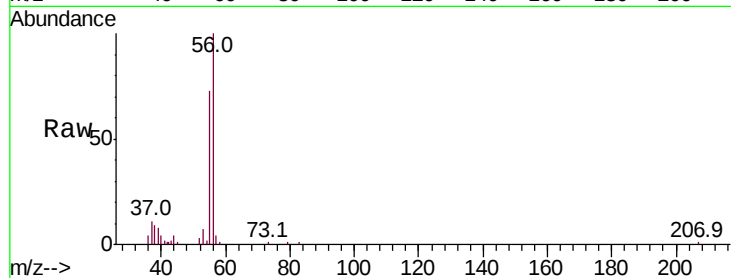
VSTDCCC050EC

Tot Ion: 56 Resp: 40317

Ion Ratio Lower Upper

56 100

55 66.3 55.8 83.8



#14

Allyl chloride

Concen: 54.900 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012172.D

Acq: 26 Aug 2019 15:05

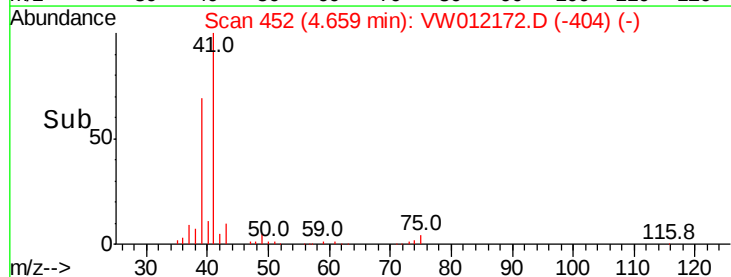
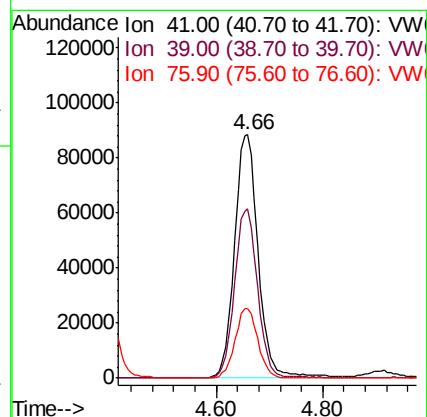
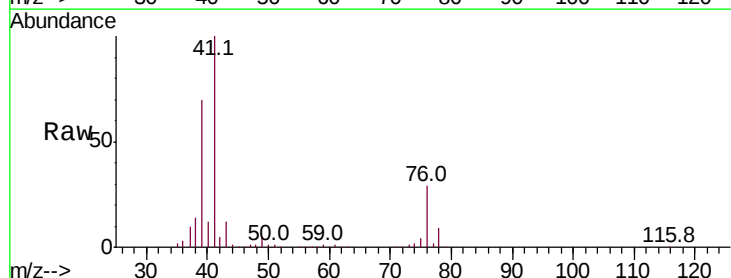
Tgt Ion: 41 Resp: 275815

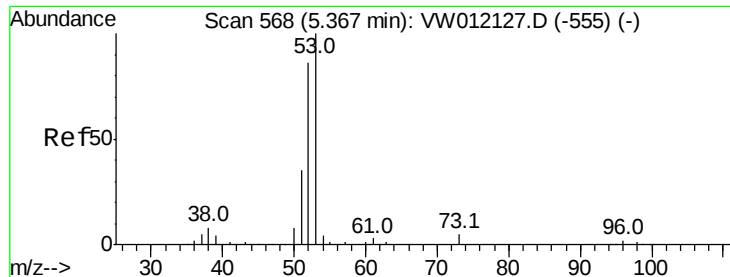
Ion Ratio Lower Upper

41 100

39 67.0 53.4 80.2

76 27.6 22.1 33.1





#15

Acrylonitrile

Concen: 262.685 ug/l

RT: 5.38 min Scan# 571

Delta R.T. 0.02 min

Lab File: VW012172.D

Acq: 26 Aug 2019 15:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

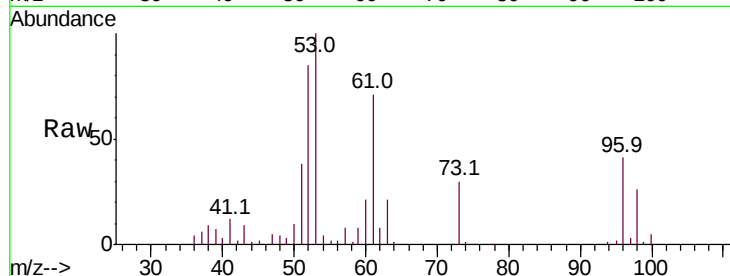
Tot Ion: 53 Resp: 169759

Ion Ratio Lower Upper

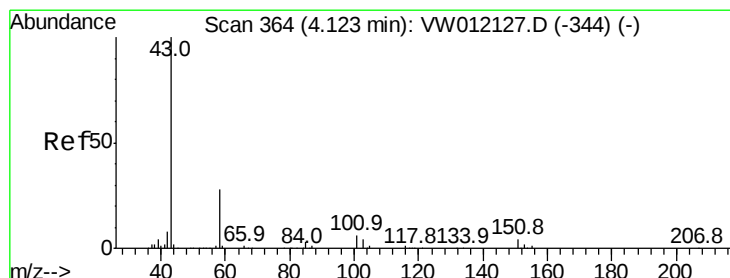
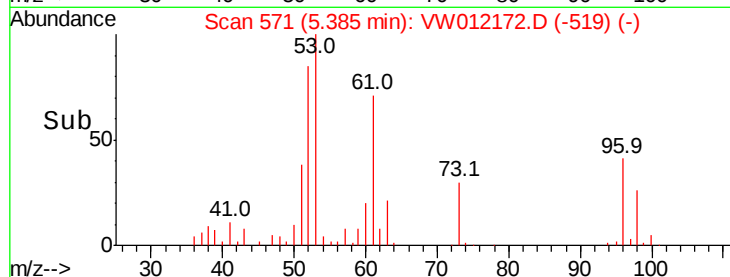
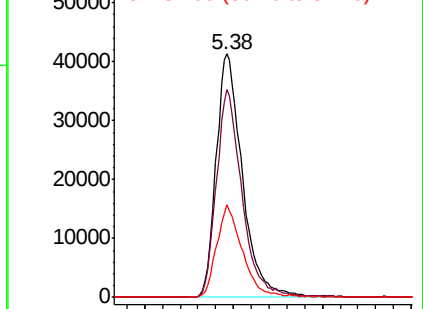
53 100

52 83.0 66.7 100.1

51 36.7 30.1 45.1



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: 268.455 ug/l

RT: 4.17 min Scan# 372

Delta R.T. 0.05 min

Lab File: VW012172.D

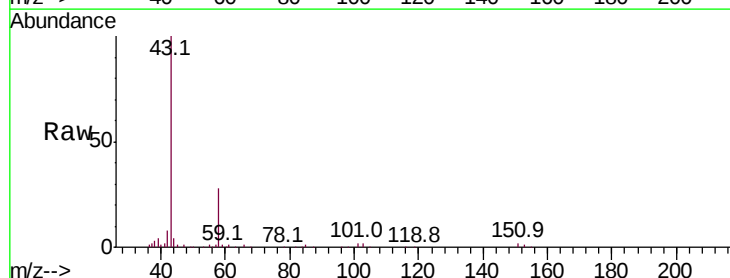
Acq: 26 Aug 2019 15:05

Tgt Ion: 43 Resp: 191122

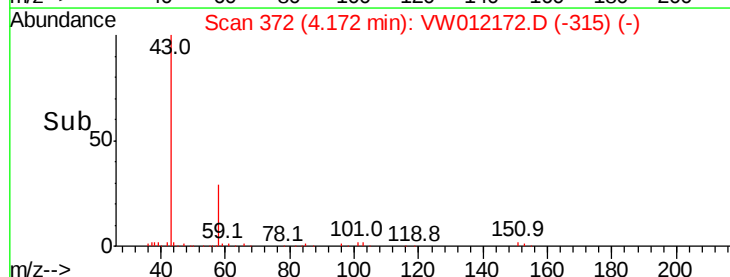
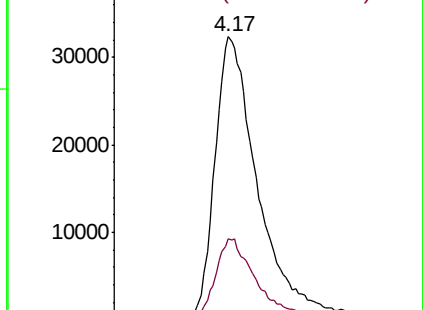
Ion Ratio Lower Upper

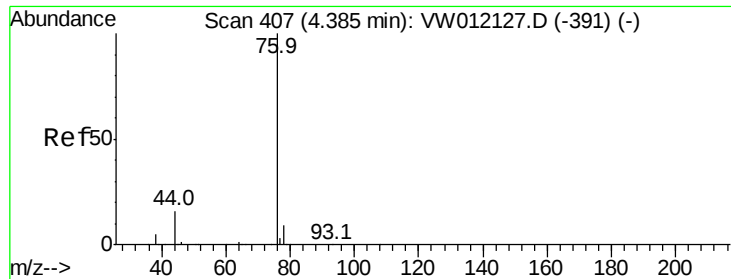
43 100

58 28.1 22.4 33.6



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





#17

Carbon Disulfide

Concen: 53.942 ug/l

RT: 4.37 min Scan# 404

Delta R.T. -0.02 min

Lab File: VW012172.D

Acq: 26 Aug 2019 15:05

Instrument :

MSVOA_W

ClientSampleId :

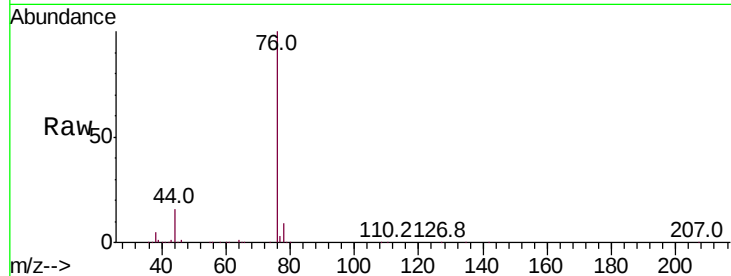
VSTDCCC050EC

Tot Ion: 76 Resp: 383104

Ion Ratio Lower Upper

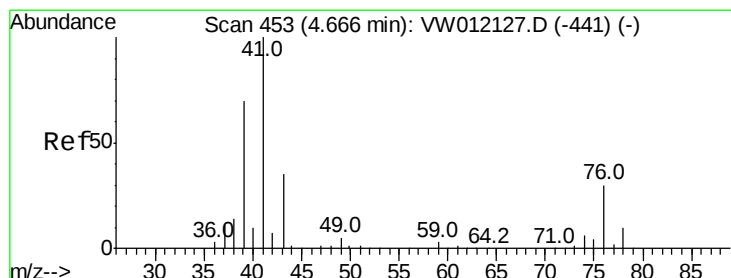
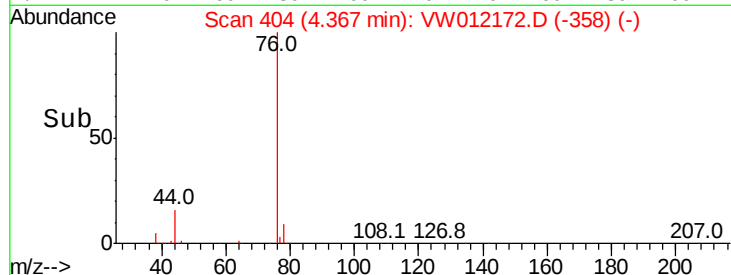
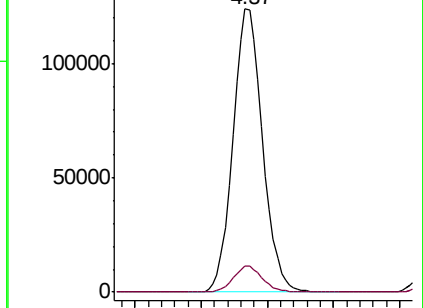
76 100

78 9.2 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 50.779 ug/l

RT: 4.69 min Scan# 457

Delta R.T. 0.02 min

Lab File: VW012172.D

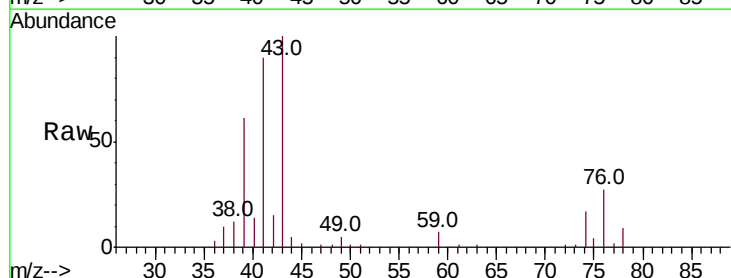
Acq: 26 Aug 2019 15:05

Tgt Ion: 43 Resp: 89540

Ion Ratio Lower Upper

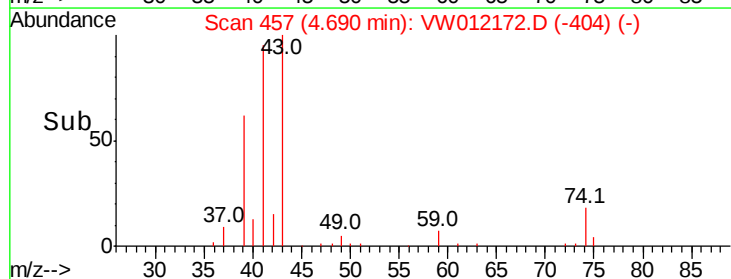
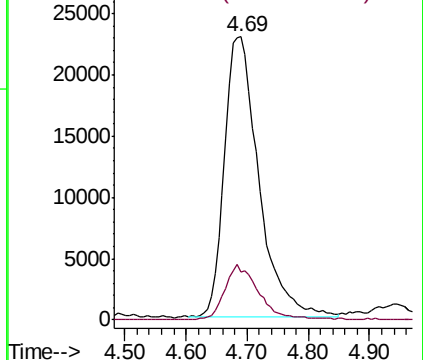
43 100

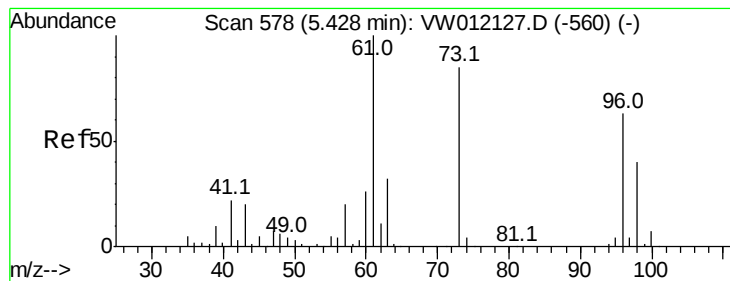
74 18.8 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



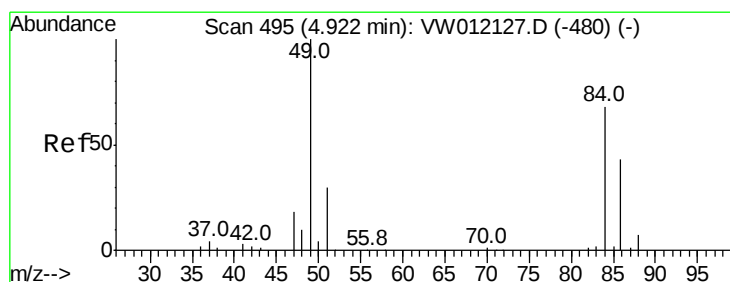
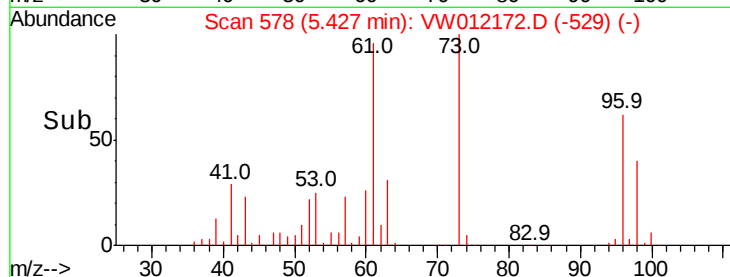
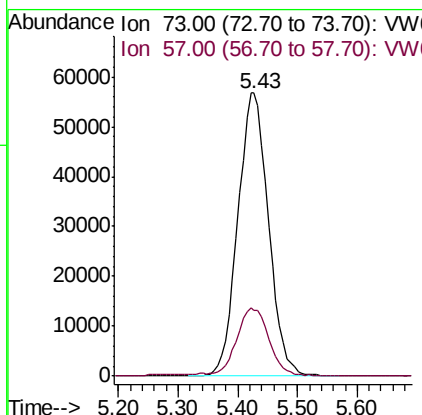
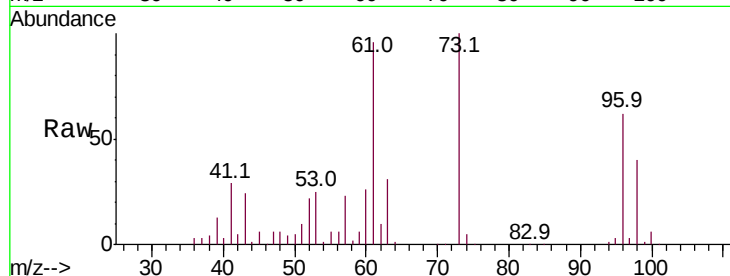


#19

Methyl tert-butyl Ether
 Concen: 53.437 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW012172.D
 Acq: 26 Aug 2019 15:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

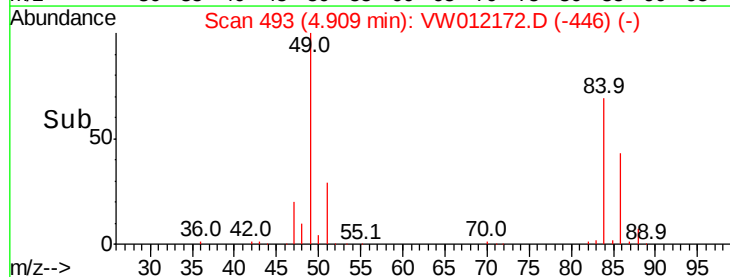
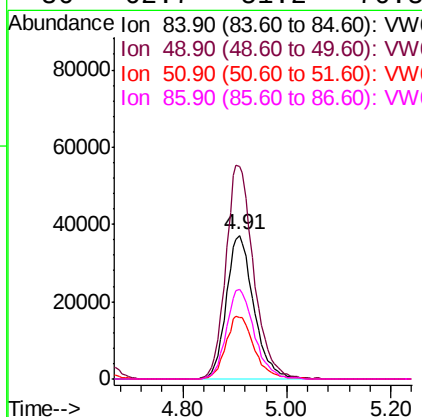
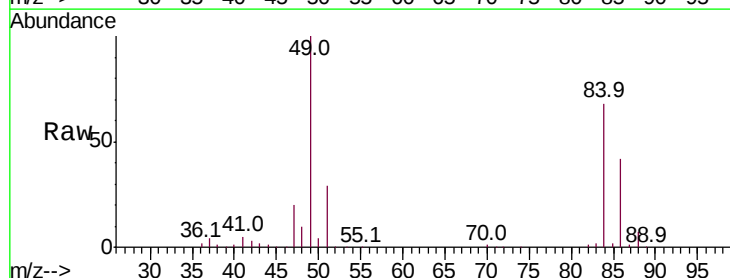
Tot Ion: 73 Resp: 203081
 Ion Ratio Lower Upper
 73 100
 57 23.1 18.9 28.3

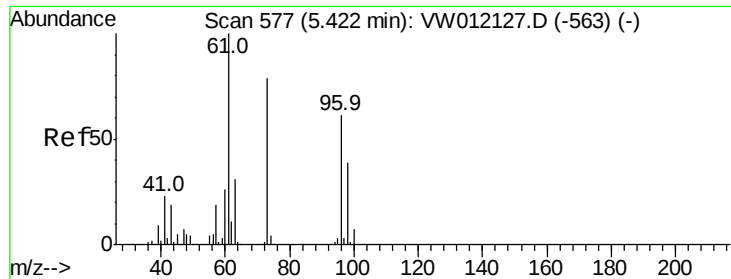


#20

Methylene Chloride
 Concen: 51.049 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW012172.D
 Acq: 26 Aug 2019 15:05

Tgt Ion: 84 Resp: 137393
 Ion Ratio Lower Upper
 84 100
 49 148.1 117.8 176.8
 51 43.1 35.6 53.4
 86 62.7 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 55.186 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012172.D

Acq: 26 Aug 2019 15:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

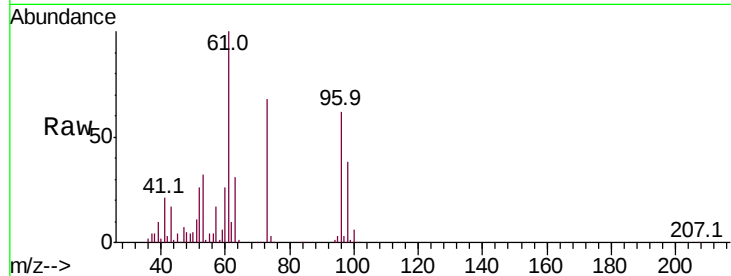
Tot Ion: 96 Resp: 139070

Ion Ratio Lower Upper

96 100

61 160.0 131.4 197.0

98 61.5 51.4 77.0

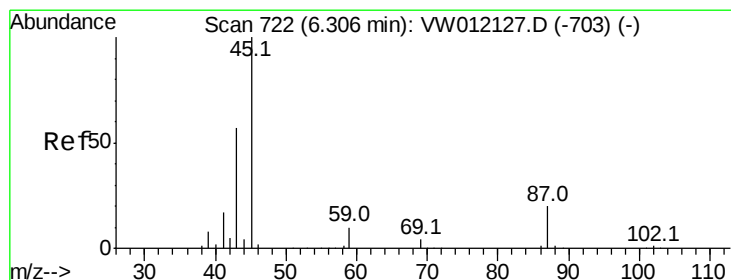
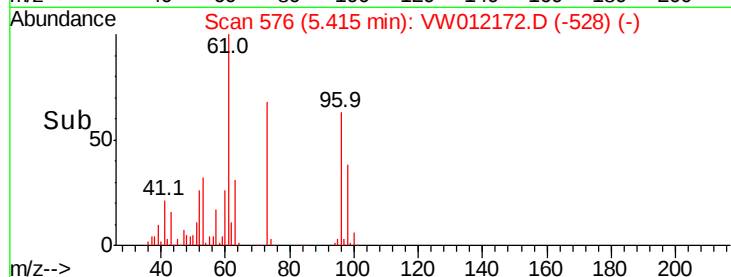
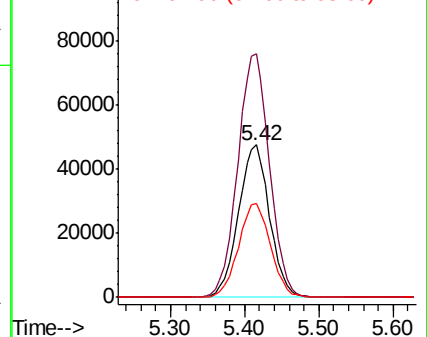


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 54.507 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW012172.D

Acq: 26 Aug 2019 15:05

Tgt Ion: 45 Resp: 507592

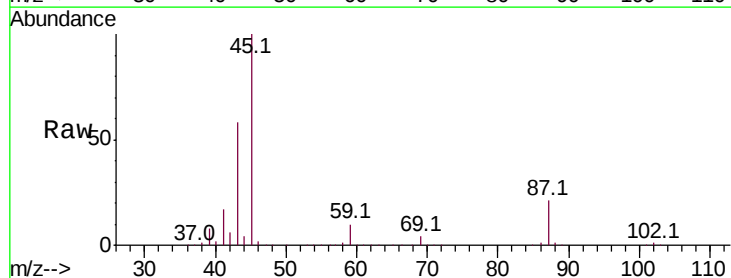
Ion Ratio Lower Upper

45 100

43 58.2 45.5 68.3

87 21.2 16.1 24.1

59 9.6 8.2 12.2



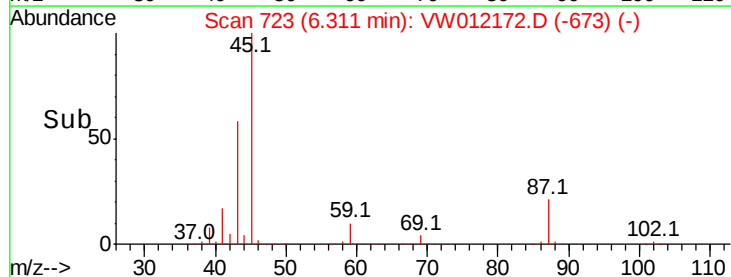
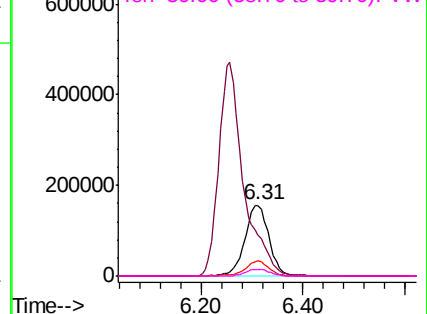
Abundance

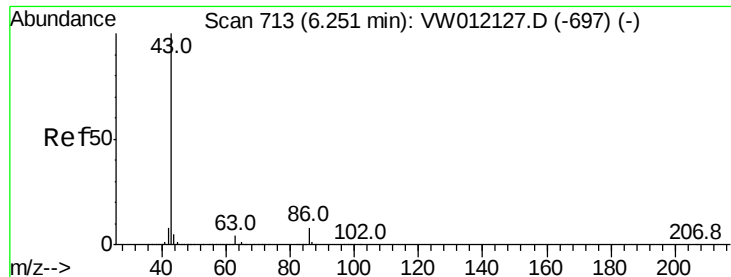
Ion 45.00 (44.70 to 45.70): VW

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: 278.064 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW012172.D

Acq: 26 Aug 2019 15:05

Instrument :

MSVOA_W

ClientSampleId :

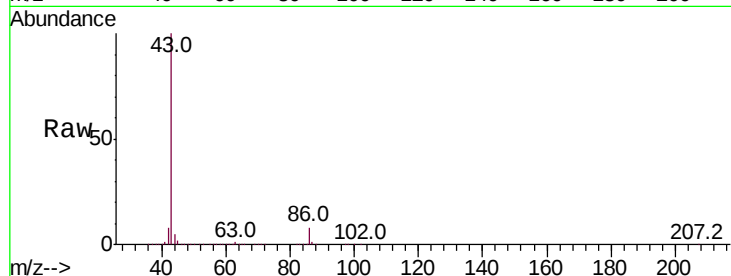
VSTDCCC050EC

Tot Ion: 43 Resp: 1593594

Ion Ratio Lower Upper

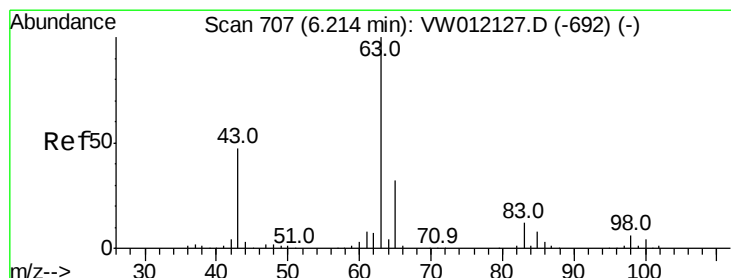
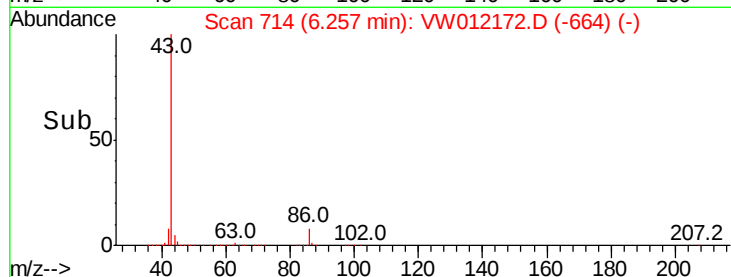
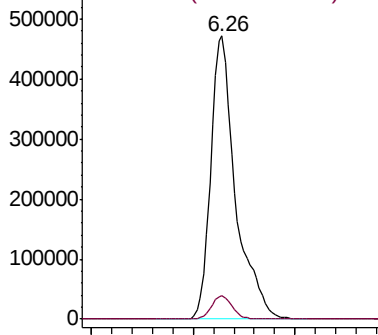
43 100

86 8.1 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 54.167 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012172.D

Acq: 26 Aug 2019 15:05

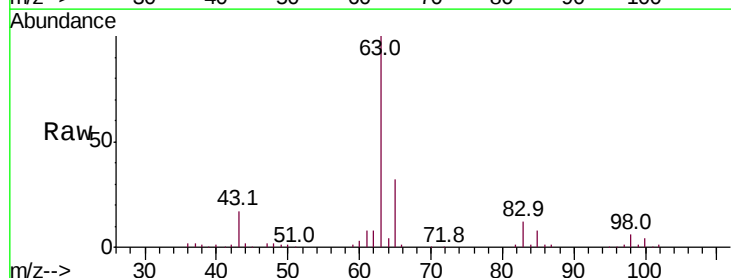
Tgt Ion: 63 Resp: 274653

Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.2

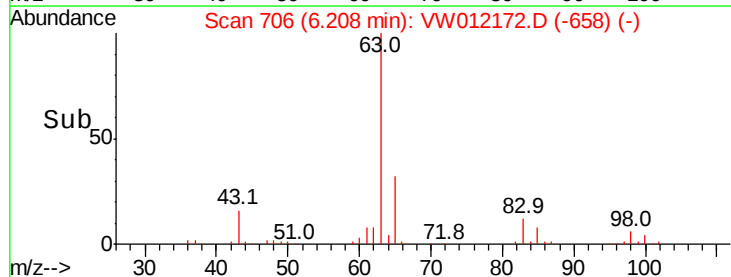
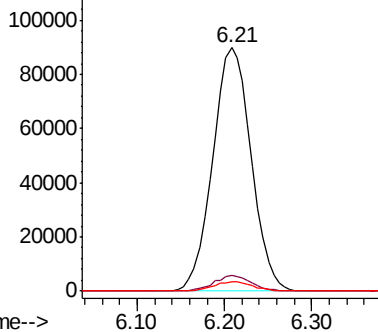
100 3.9 2.0 6.0

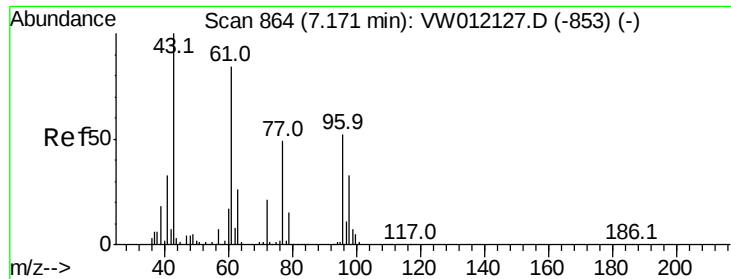


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 255.149 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW012172.D

Acq: 26 Aug 2019 15:05

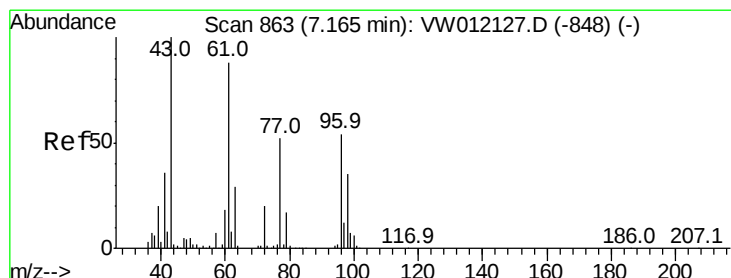
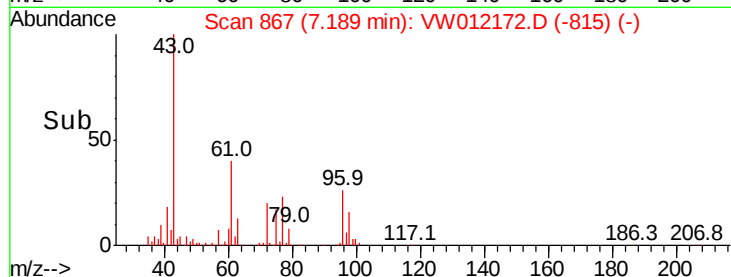
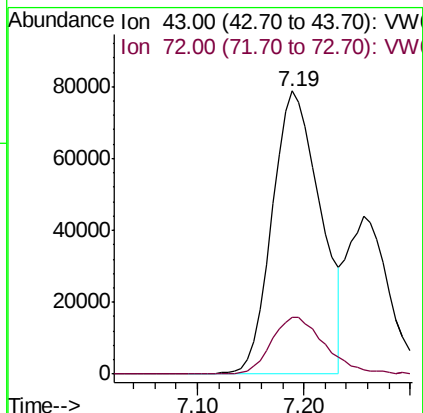
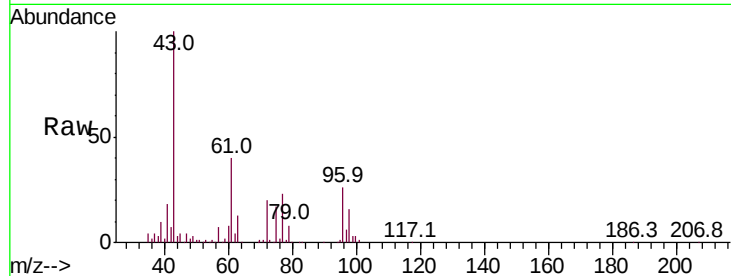
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 246840

Ion Ratio Lower Upper

43 100

72 20.0 16.6 24.8



#26

2,2-Dichloropropane

Concen: 54.527 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012172.D

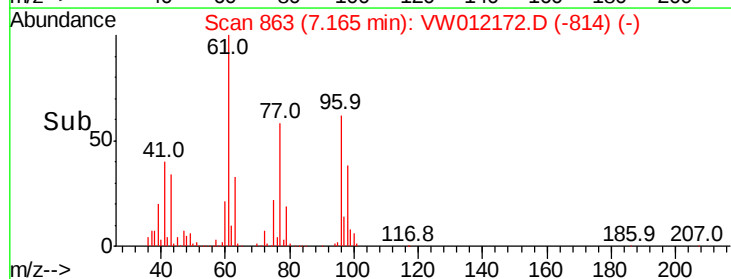
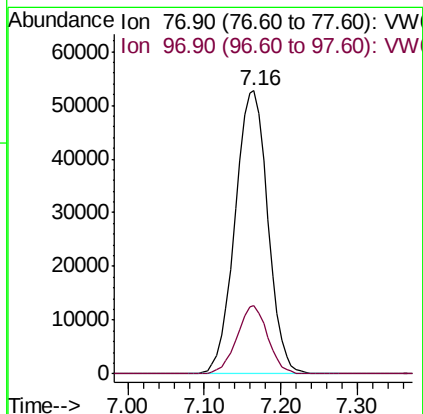
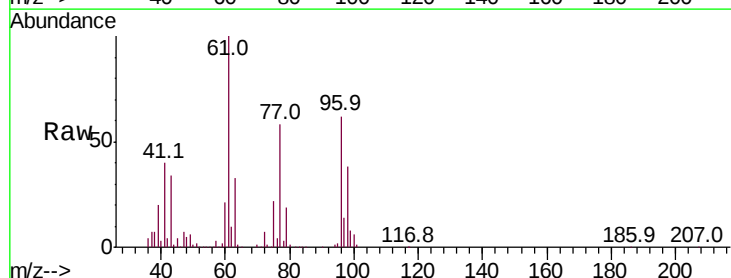
Acq: 26 Aug 2019 15:05

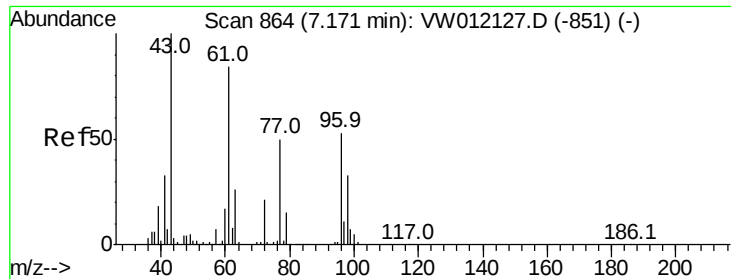
Tgt Ion: 77 Resp: 156489

Ion Ratio Lower Upper

77 100

97 22.8 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 54.626 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

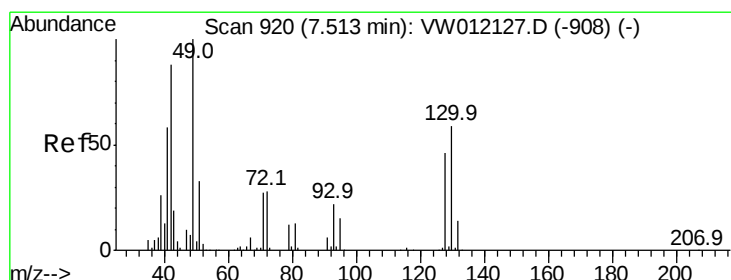
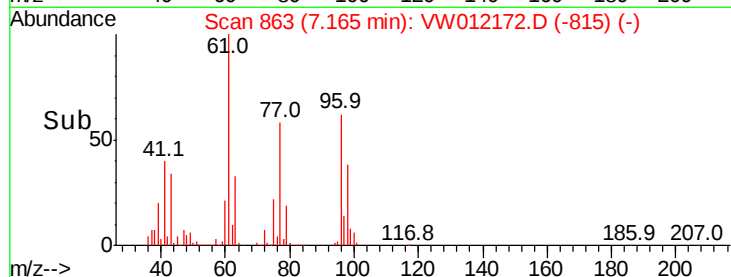
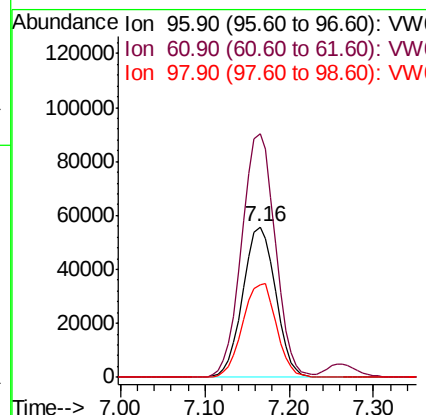
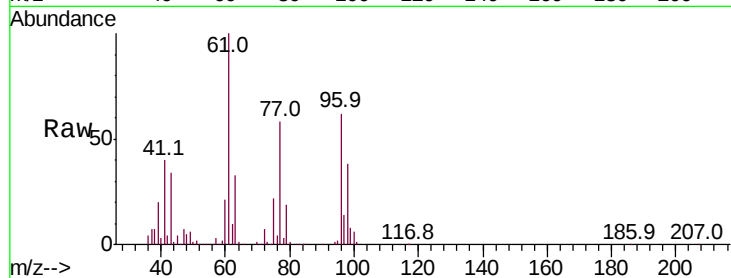
Lab File: VW012172.D

Acq: 26 Aug 2019 15:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 147078

Ion	Ratio	Lower	Upper
96	100		
61	165.1	0.0	326.6
98	63.9	0.0	127.4



#28

Bromochloromethane

Concen: 52.361 ug/l

RT: 7.51 min Scan# 919

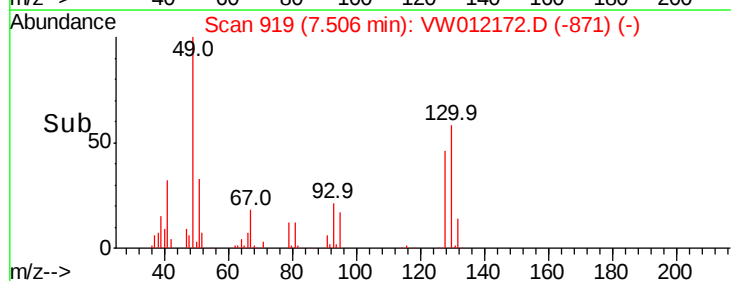
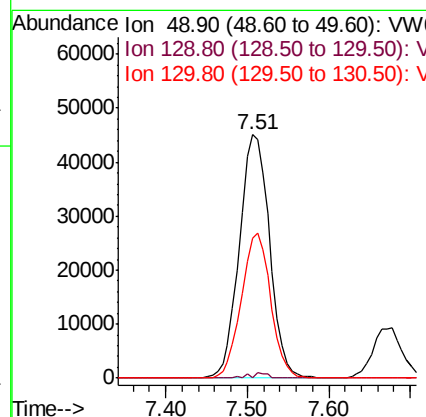
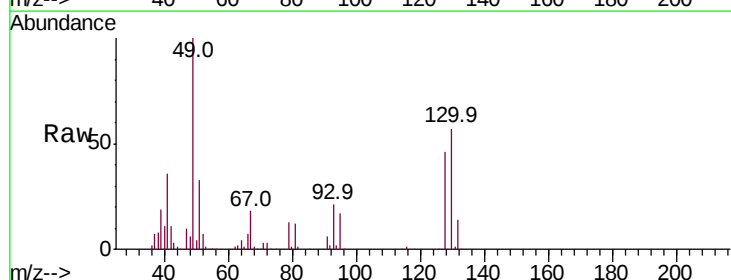
Delta R.T. -0.01 min

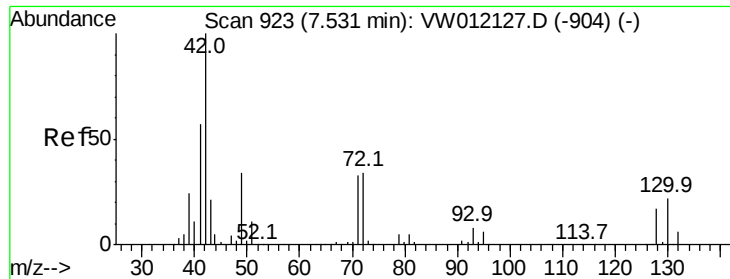
Lab File: VW012172.D

Acq: 26 Aug 2019 15:05

Tgt Ion: 49 Resp: 115716

Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	1.4
130	57.8	45.5	68.3

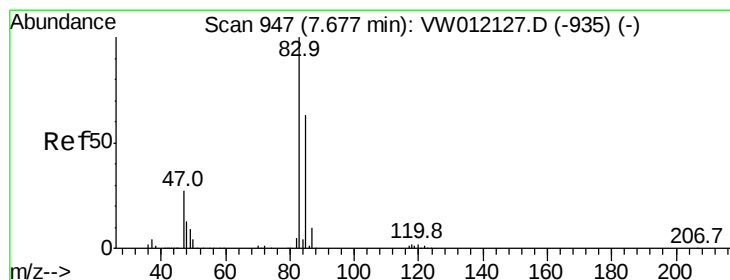
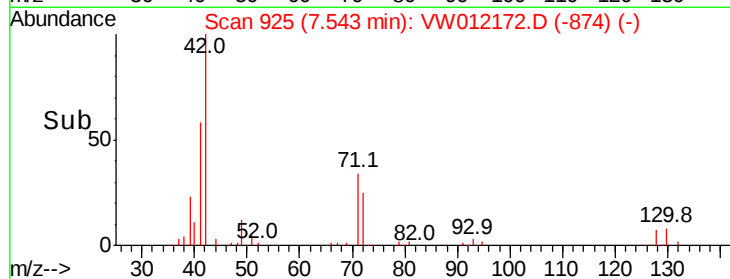
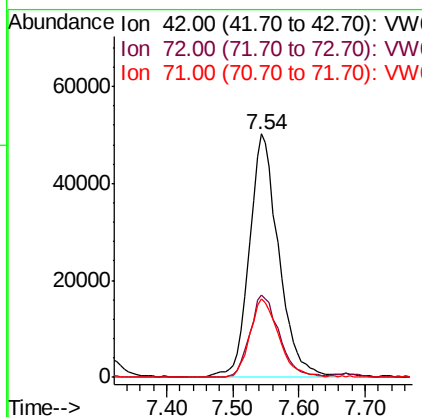
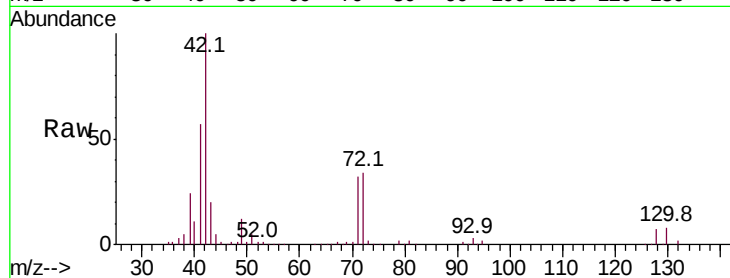




#29
Tetrahydrofuran
Concen: 266.106 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW012172.D
Acq: 26 Aug 2019 15:05

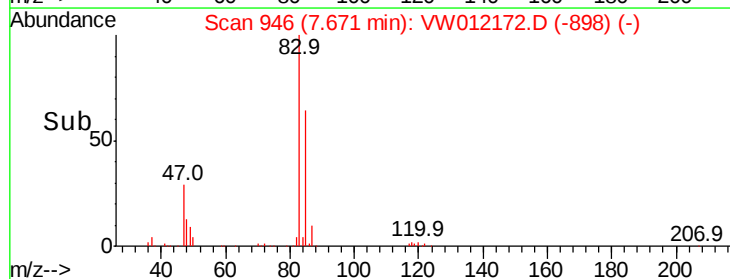
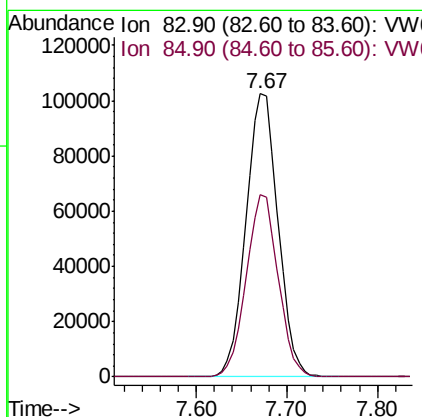
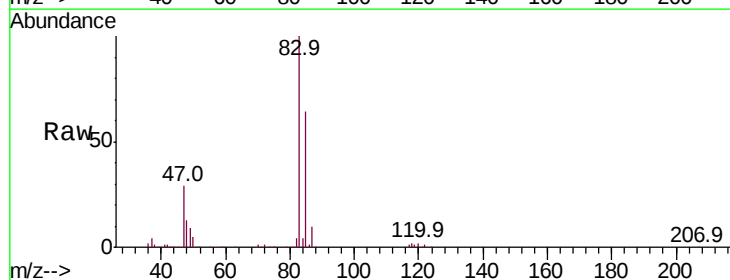
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

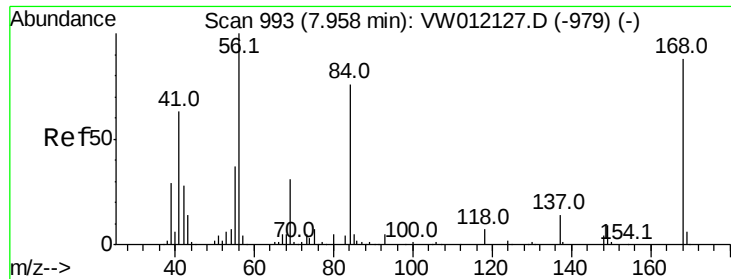
Tot Ion	Ratio	Lower	Upper
42	100		
72	33.9	27.3	40.9
71	32.0	25.5	38.3



#30
Chloroform
Concen: 54.076 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012172.D
Acq: 26 Aug 2019 15:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.6	76.0

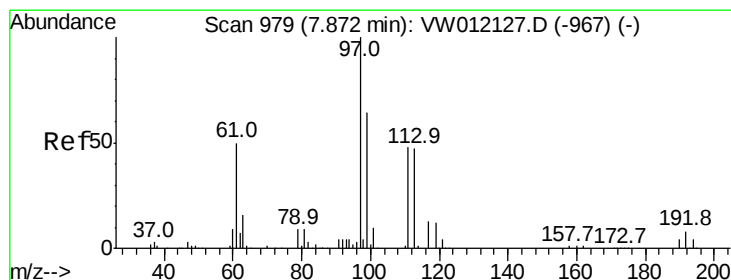
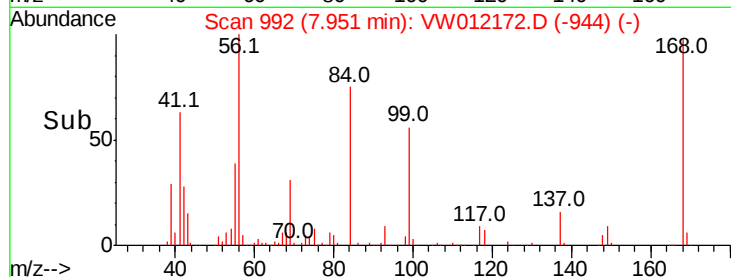
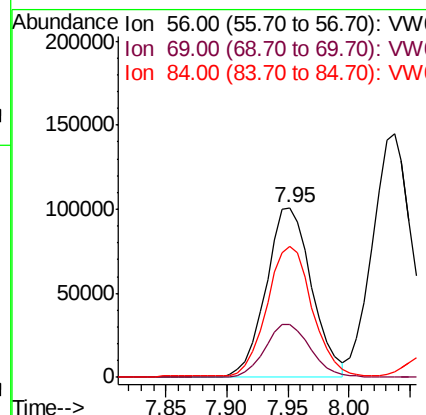
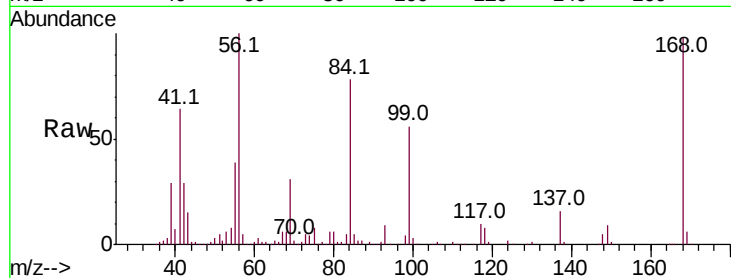




#31
Cyclohexane
Concen: 52.236 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW012127.D
Acq: 26 Aug 2019 15:05

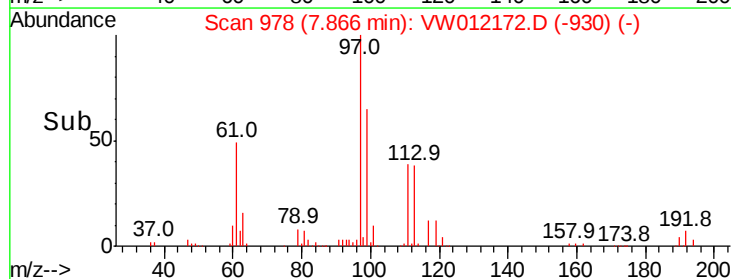
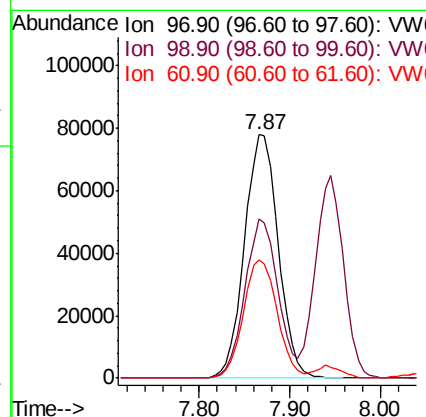
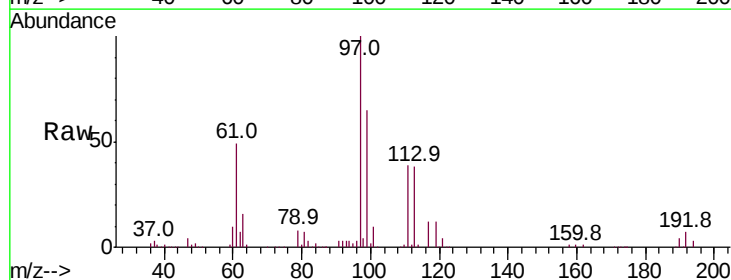
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

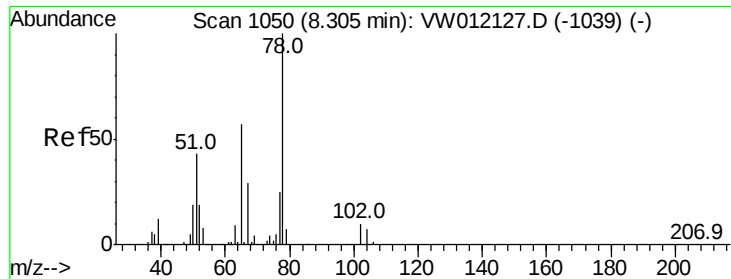
Tot Ion: 56 Resp: 262043
Ion Ratio Lower Upper
56 100
69 31.2 24.9 37.3
84 76.3 60.6 90.8



#32
1,1,1-Trichloroethane
Concen: 54.723 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW012127.D
Acq: 26 Aug 2019 15:05

Tgt Ion: 97 Resp: 200822
Ion Ratio Lower Upper
97 100
99 64.4 51.4 77.0
61 48.8 39.5 59.3

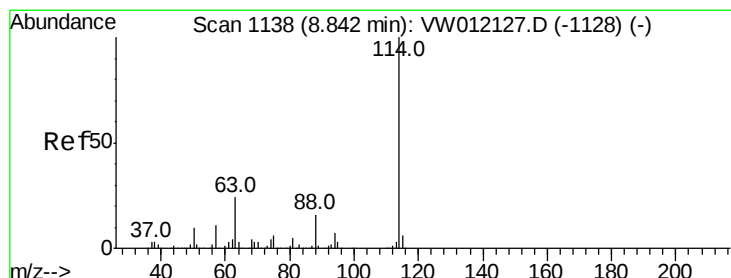
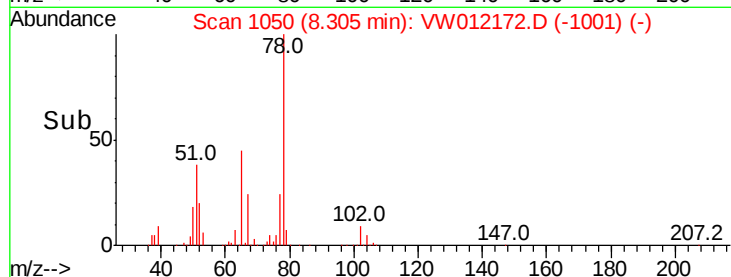
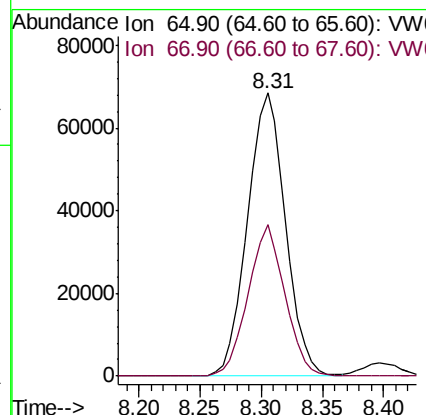
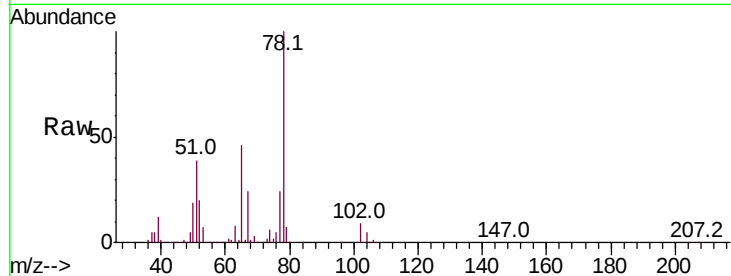




#33
 1,2-Dichloroethane-d4
 Concen: 53.193 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012172.D
 Acq: 26 Aug 2019 15:05

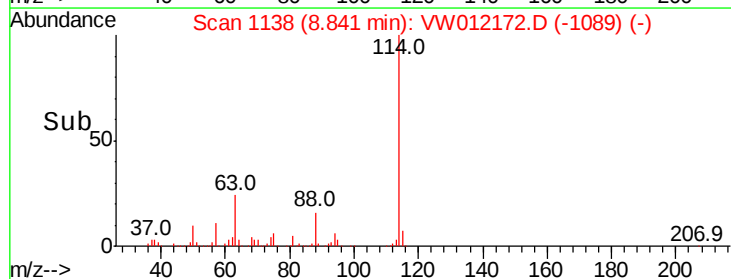
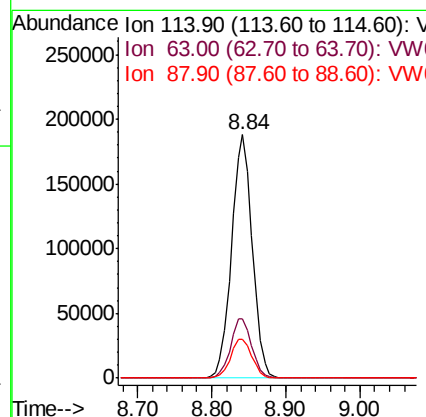
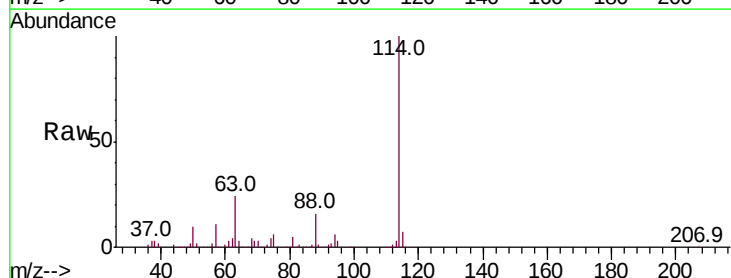
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

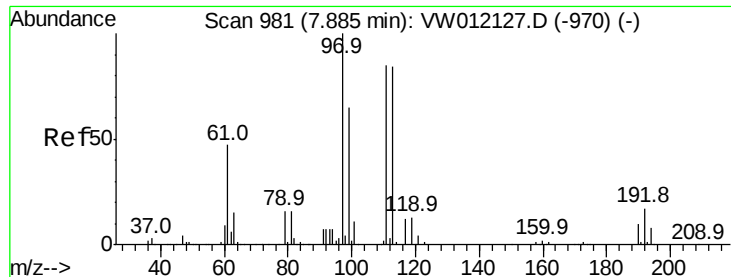
Tot Ion: 65 Resp: 148149
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012172.D
 Acq: 26 Aug 2019 15:05

Tgt Ion: 114 Resp: 364537
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 48.6
 88 16.1 0.0 32.2

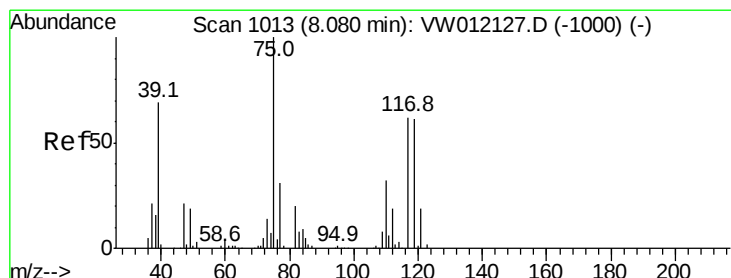
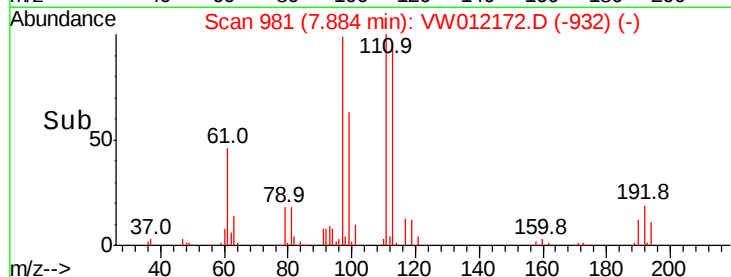
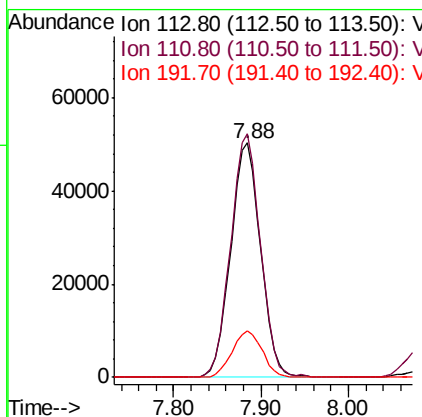
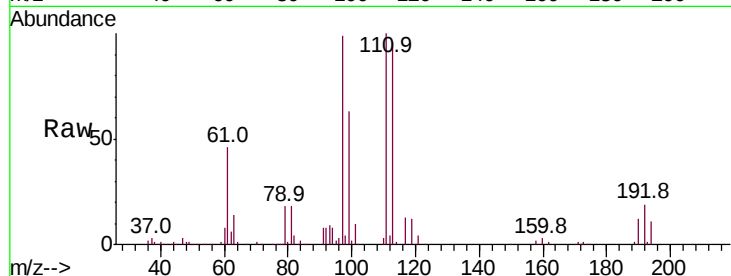




#35
 Dibromofluoromethane
 Concen: 54.945 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012172.D
 Acq: 26 Aug 2019 15:05

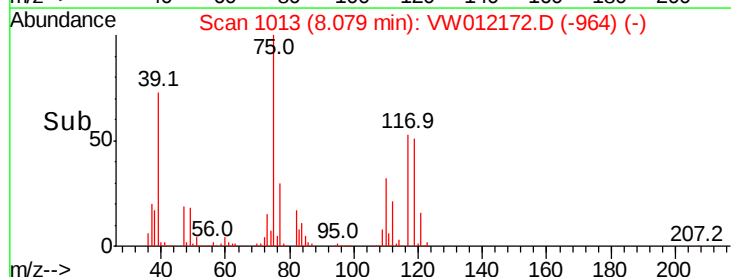
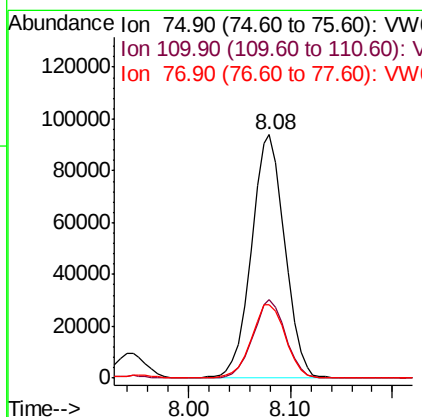
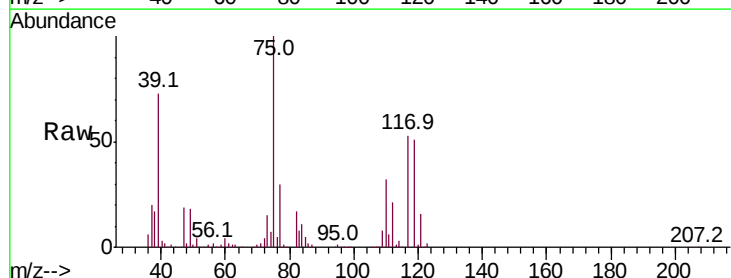
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

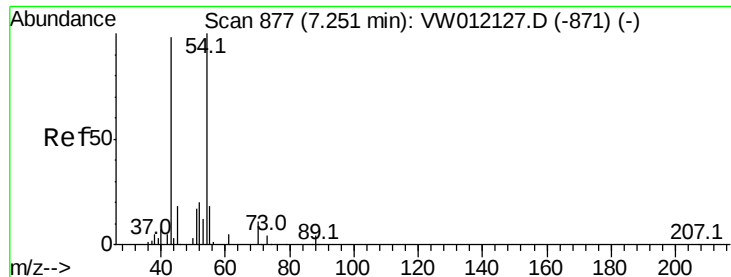
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.7	124.1
192	20.2	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 56.473 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012172.D
 Acq: 26 Aug 2019 15:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.7	15.6	46.8
77	31.3	24.6	36.8

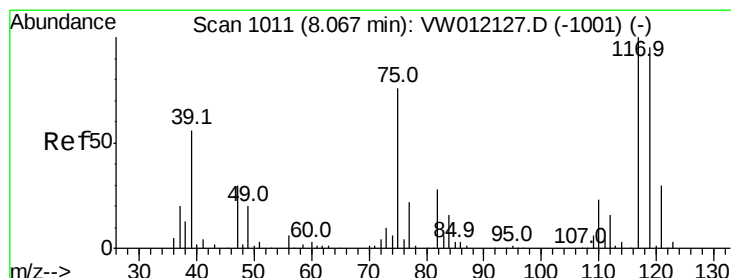
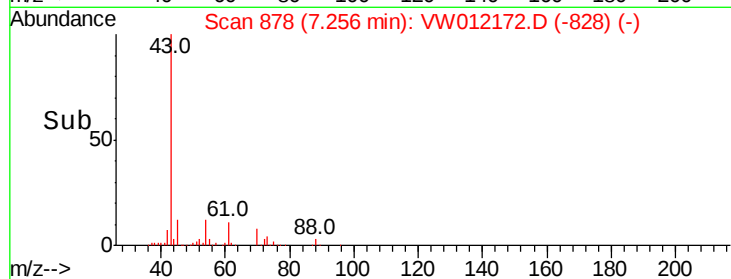
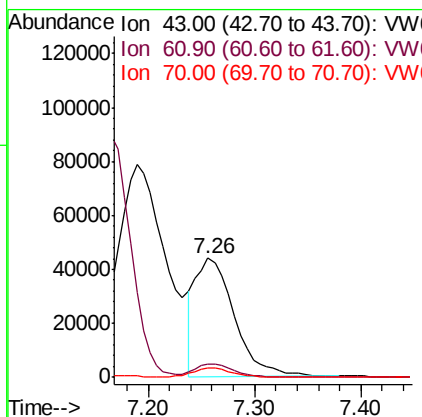
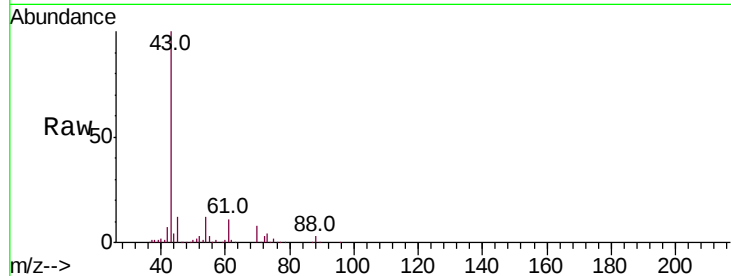




#37
Ethyl Acetate
Concen: 53.332 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW012172.D
Acq: 26 Aug 2019 15:05

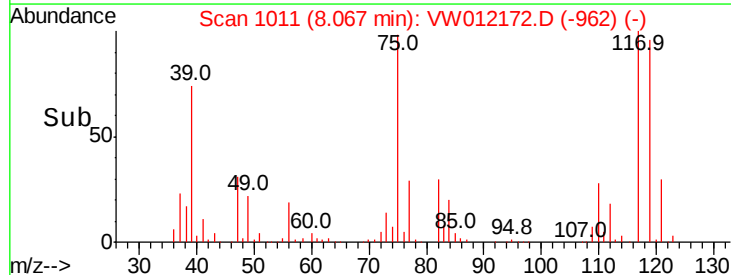
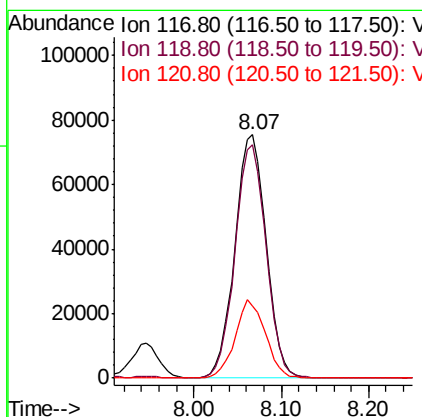
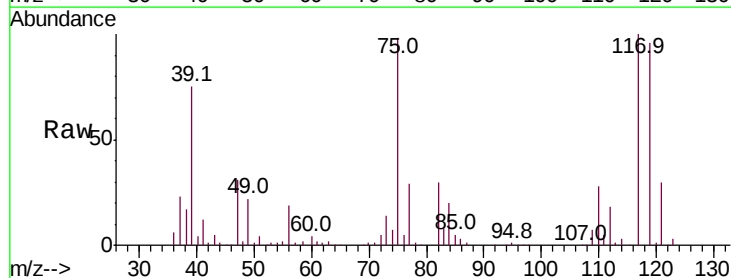
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

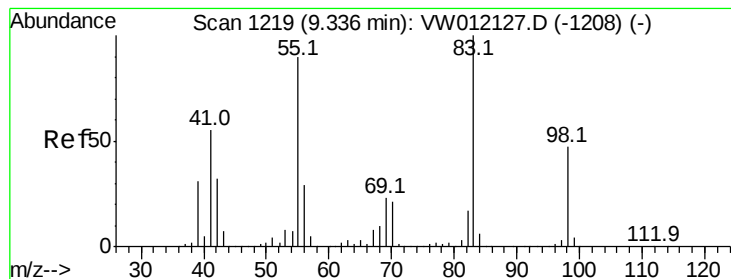
Tot Ion: 43 Resp: 110094
Ion Ratio Lower Upper
43 100
61 12.4 9.2 13.8
70 8.7 6.9 10.3



#38
Carbon Tetrachloride
Concen: 57.566 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012172.D
Acq: 26 Aug 2019 15:05

Tgt Ion: 117 Resp: 187692
Ion Ratio Lower Upper
117 100
119 96.0 76.2 114.2
121 29.9 23.8 35.8





#39

Methvlcvclohexane

Concen: 57.099 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW012172.D

Acq: 26 Aug 2019 15:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

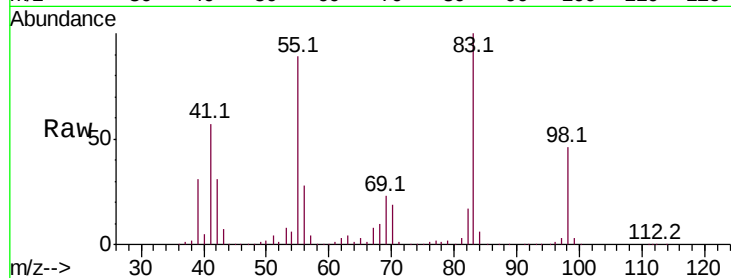
Tot Ion: 83 Resp: 241645

Ion Ratio Lower Upper

83 100

55 88.9 71.8 107.8

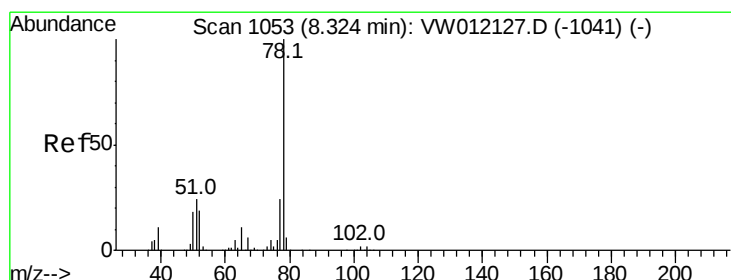
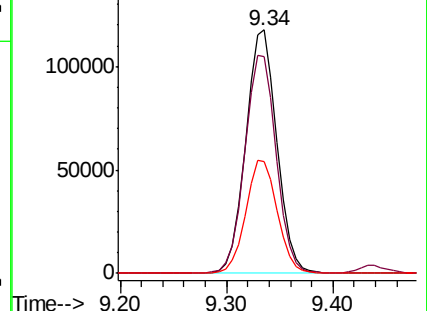
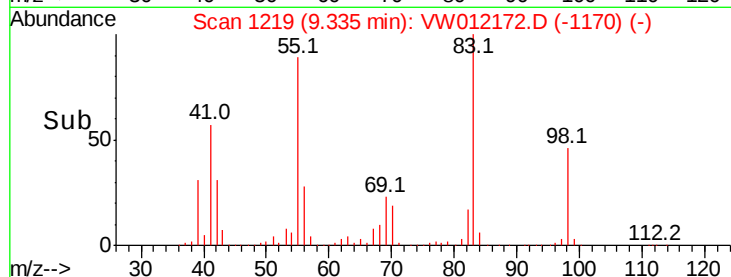
98 45.9 37.8 56.8



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW



#40

Benzene

Concen: 56.067 ug/l

RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VW012172.D

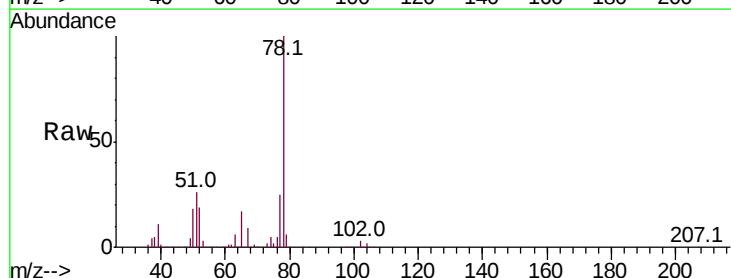
Acq: 26 Aug 2019 15:05

Tgt Ion: 78 Resp: 576723

Ion Ratio Lower Upper

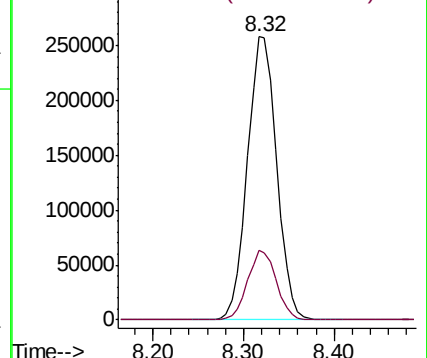
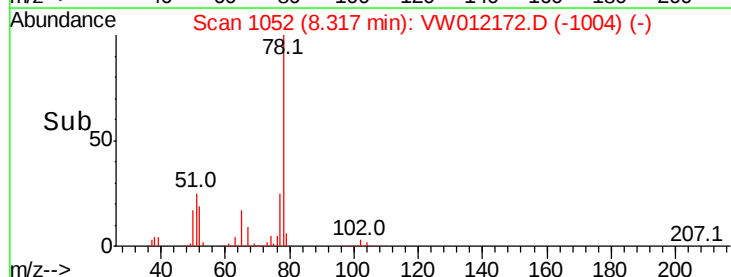
78 100

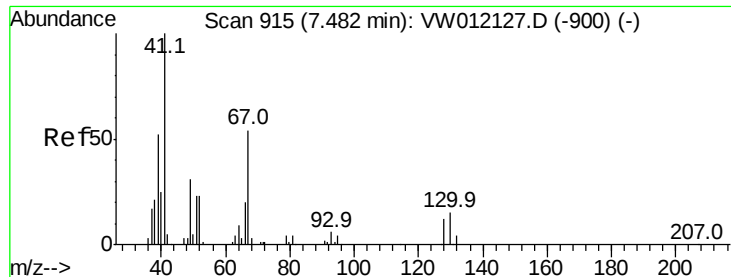
77 24.7 19.5 29.3



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW

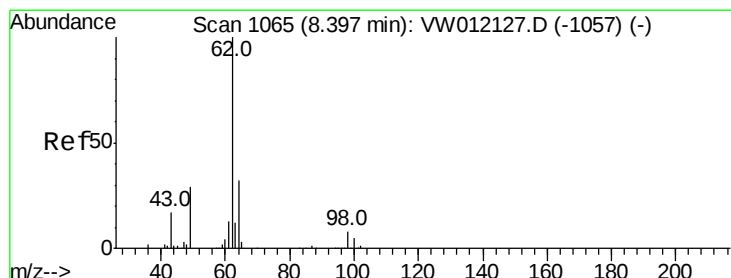
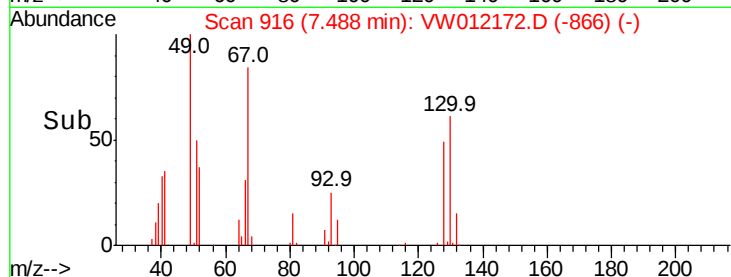
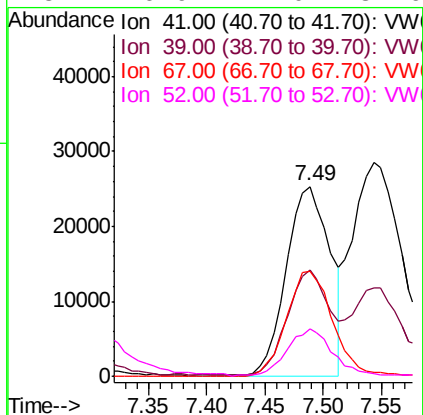
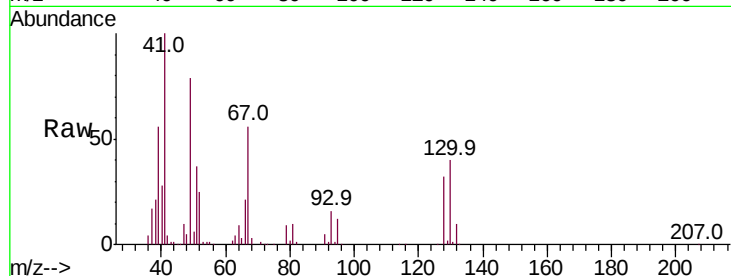




#41
Methacrylonitrile
Concen: 54.451 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW012172.D
Acq: 26 Aug 2019 15:05

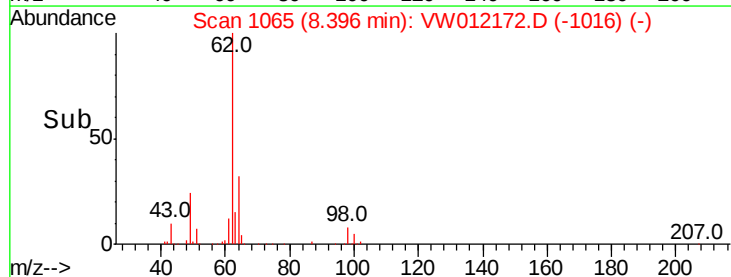
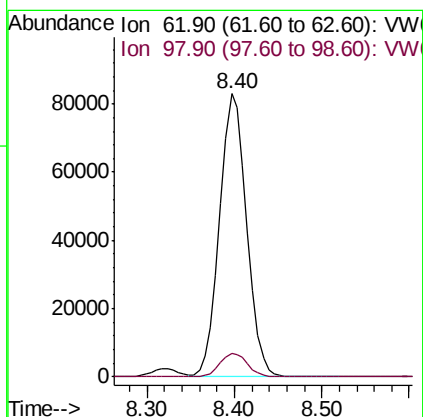
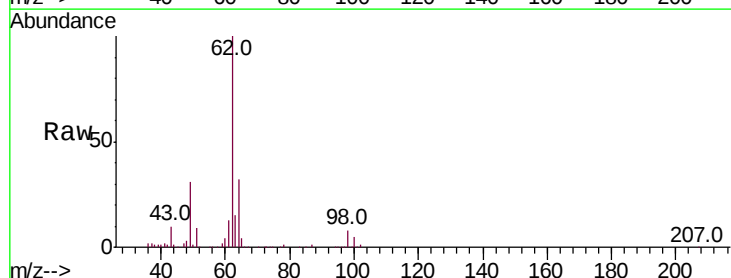
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

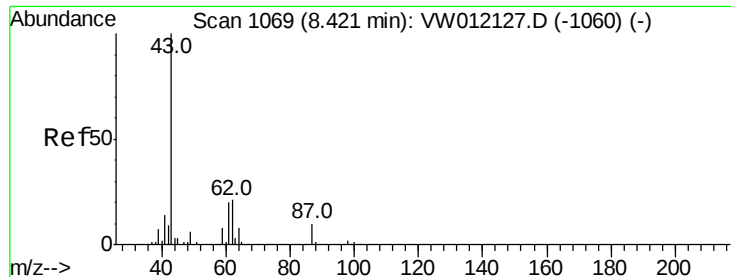
Tot Ion:	41	Resp:	66063
Ion	Ratio	Lower	Upper
41	100		
39	53.4	45.8	68.8
67	58.9	46.2	69.4
52	26.9	21.0	31.6



#42
1,2-Dichloroethane
Concen: 55.400 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012172.D
Acq: 26 Aug 2019 15:05

Tgt Ion:	62	Resp:	178598
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.6





#43

Isopropyl Acetate

Concen: 54.633 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW012172.D

Acq: 26 Aug 2019 15:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

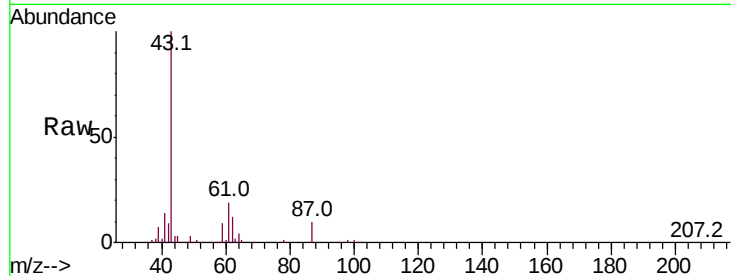
Tot Ion: 43 Resp: 208903

Ion Ratio Lower Upper

43 100

61 26.4 21.1 31.7

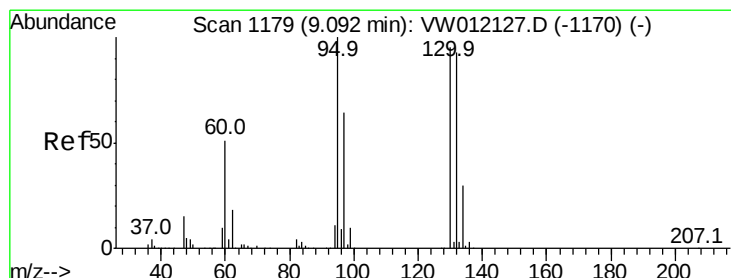
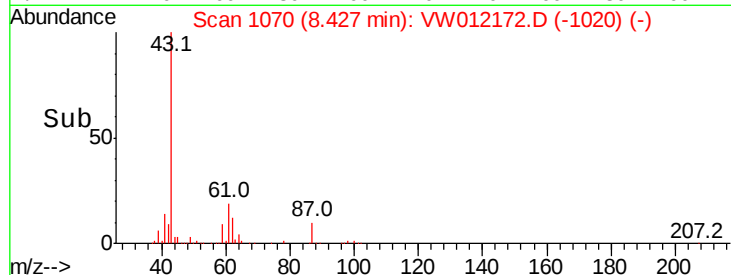
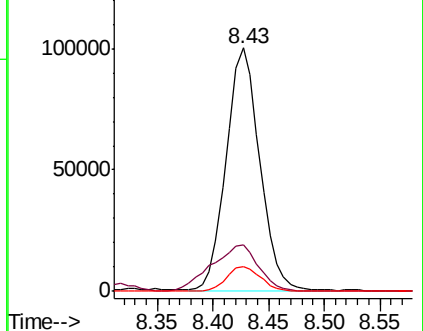
87 10.6 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 56.587 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012172.D

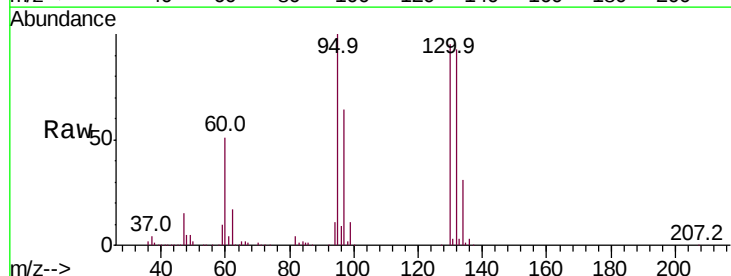
Acq: 26 Aug 2019 15:05

Tgt Ion:130 Resp: 141498

Ion Ratio Lower Upper

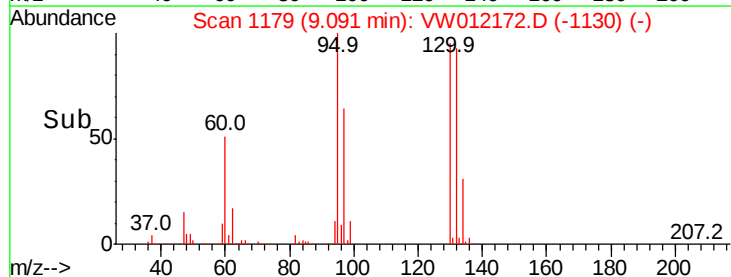
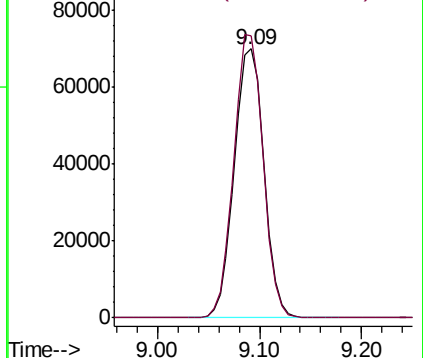
130 100

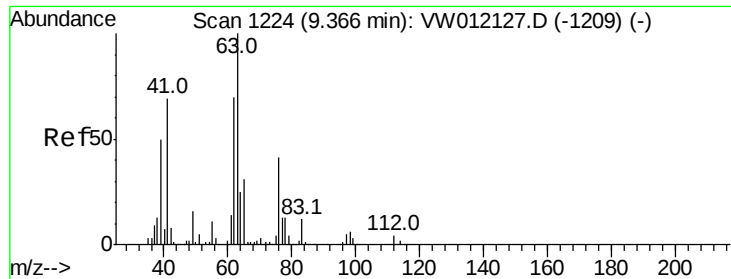
95 104.9 0.0 210.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 55.585 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012172.D

Acq: 26 Aug 2019 15:05

Instrument :

MSVOA_W

ClientSampleId :

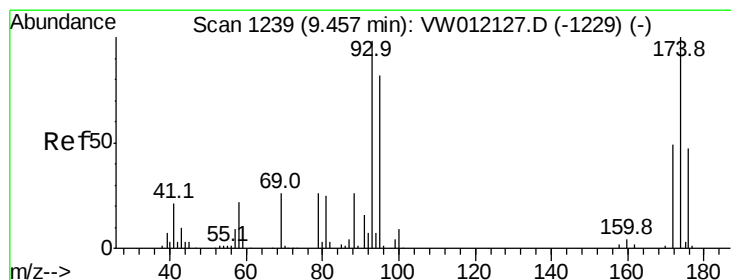
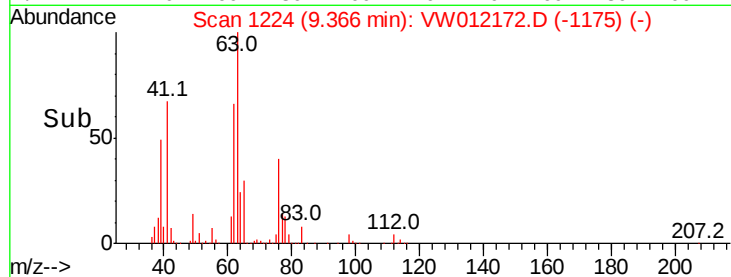
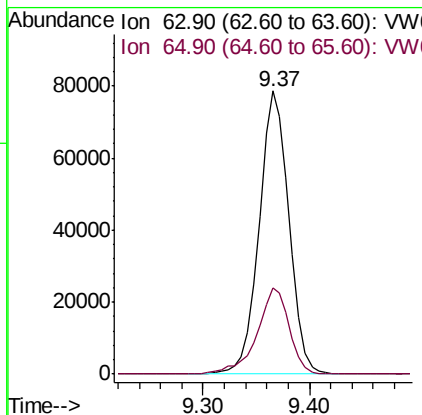
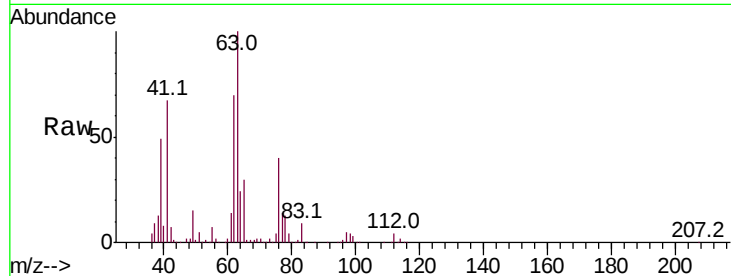
VSTDCCC050EC

Tot Ion: 63 Resp: 153877

Ion Ratio Lower Upper

63 100

65 30.4 25.0 37.4



#46

Dibromomethane

Concen: 55.764 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012172.D

Acq: 26 Aug 2019 15:05

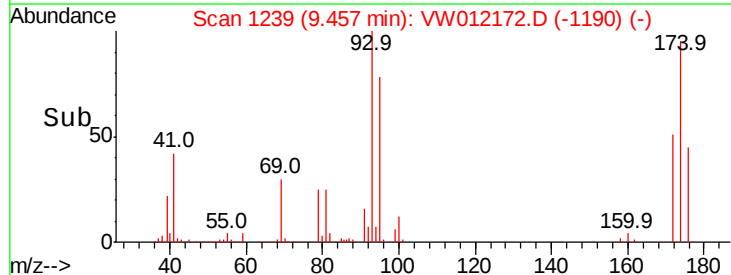
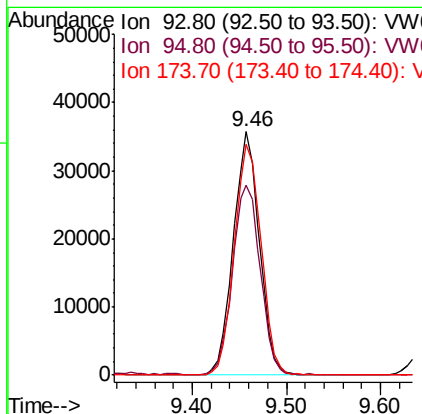
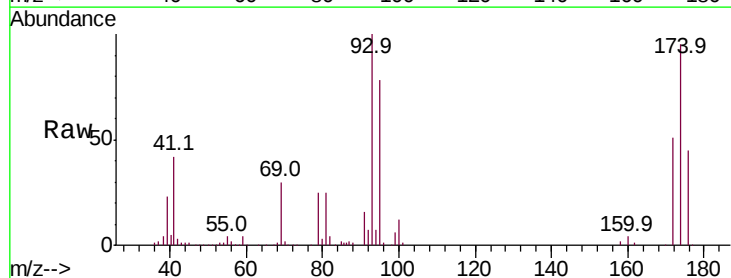
Tgt Ion: 93 Resp: 68686

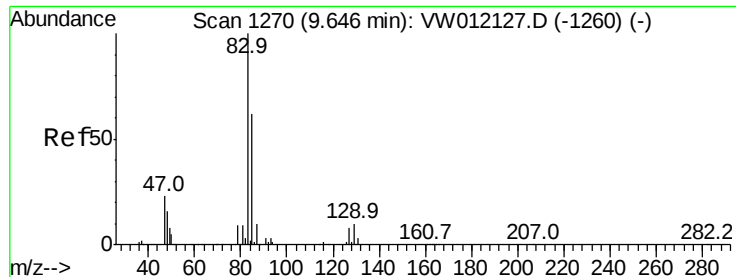
Ion Ratio Lower Upper

93 100

95 83.0 67.2 100.8

174 97.5 79.0 118.6





#47

Bromodichloromethane

Concen: 55.343 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW012172.D

Acq: 26 Aug 2019 15:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

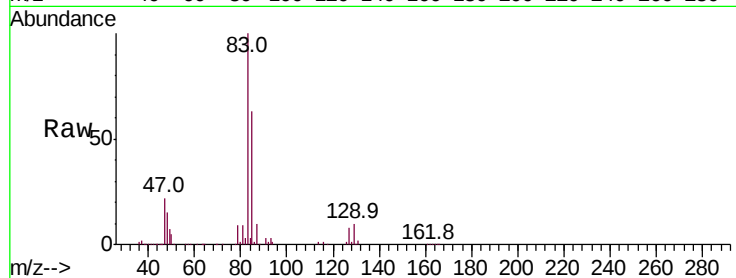
Tot Ion: 83 Resp: 181420

Ion Ratio Lower Upper

83 100

85 62.6 49.4 74.2

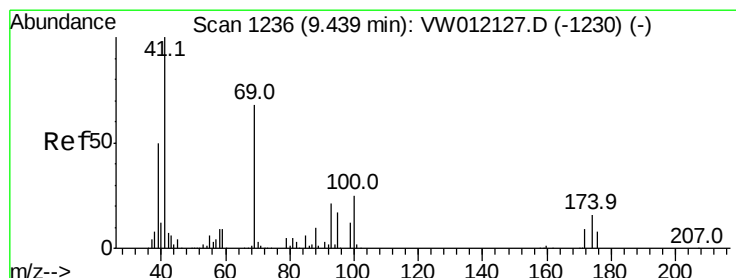
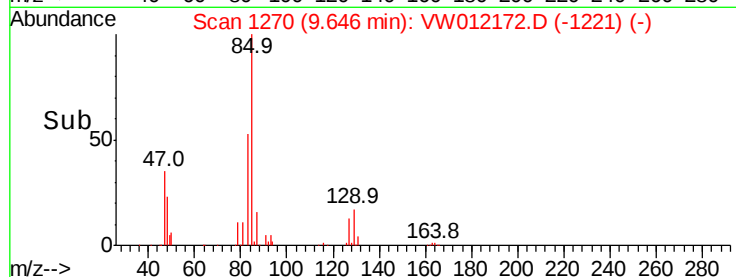
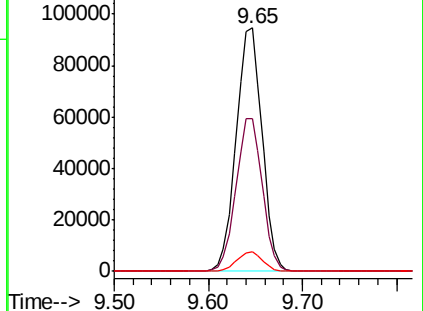
127 8.1 6.1 9.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 55.804 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW012172.D

Acq: 26 Aug 2019 15:05

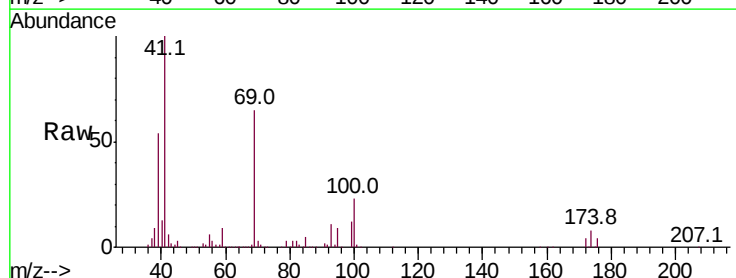
Tgt Ion: 41 Resp: 101558

Ion Ratio Lower Upper

41 100

69 70.3 56.7 85.1

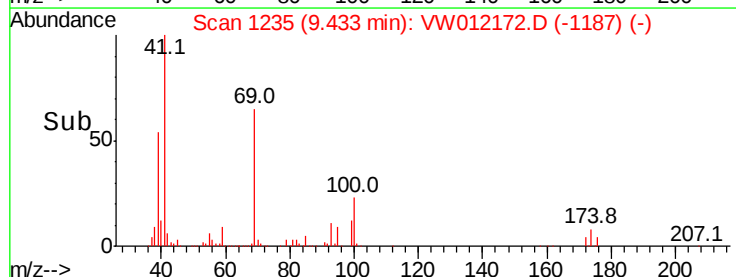
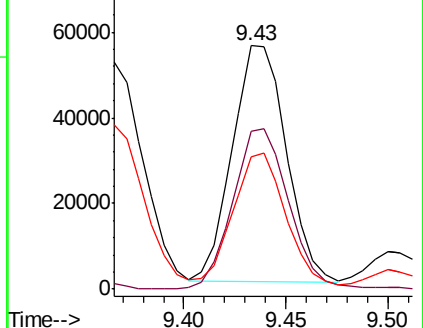
39 57.4 42.0 63.0

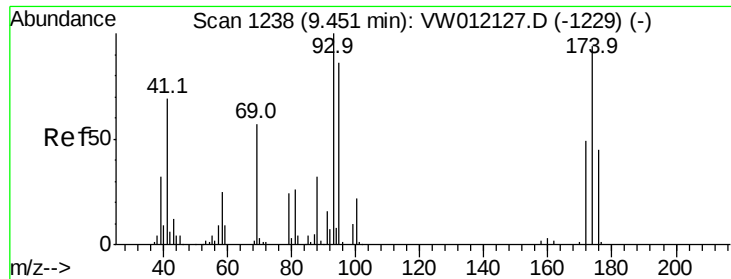


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

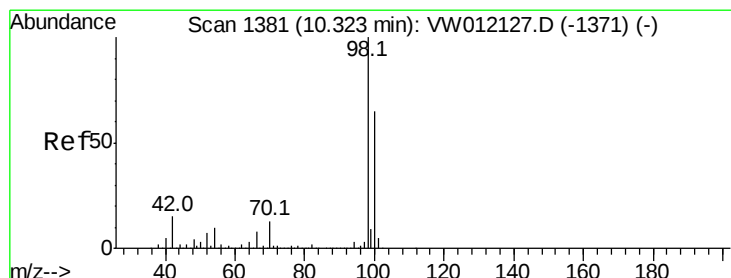
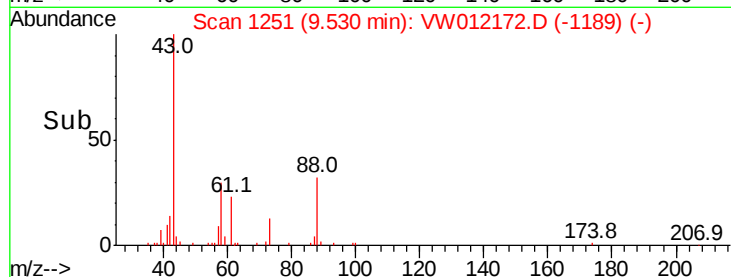
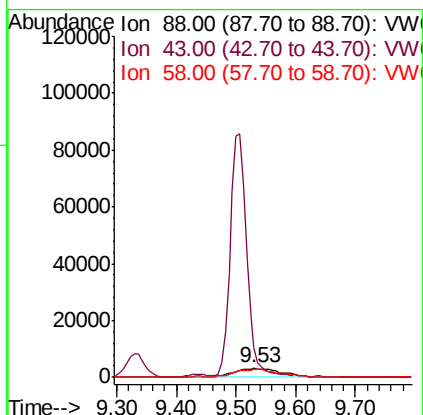
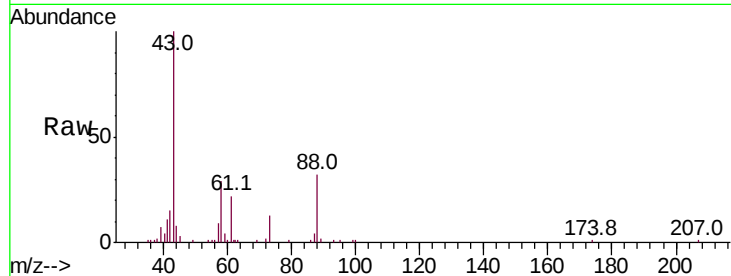




#49
1,4-Dioxane
Concen: 950.034 ug/l
RT: 9.53 min Scan# 1251
Delta R.T. 0.08 min
Lab File: VW012172.D
Acq: 26 Aug 2019 15:05

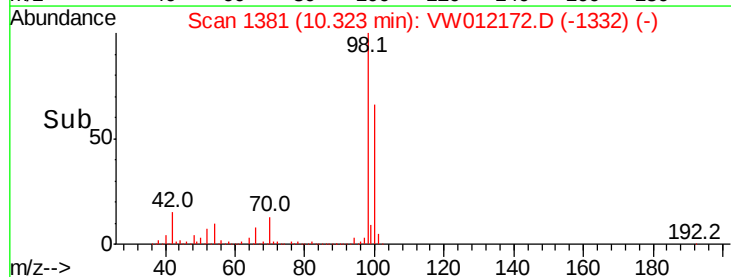
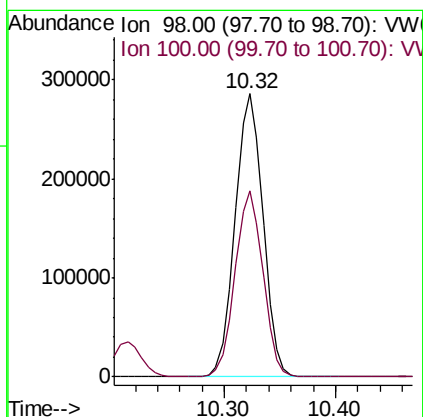
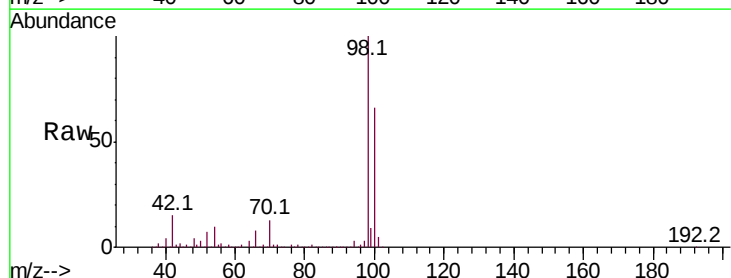
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

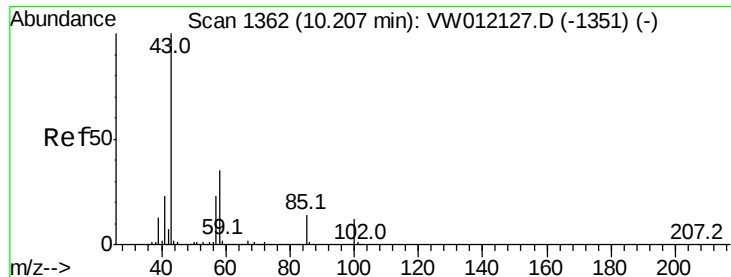
Tot Ion: 88 Resp: 17914
Ion Ratio Lower Upper
88 100
43 0.0 32.9 49.3#
58 84.0 71.0 106.4



#50
Toluene-d8
Concen: 56.221 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012172.D
Acq: 26 Aug 2019 15:05

Tgt Ion: 98 Resp: 496028
Ion Ratio Lower Upper
98 100
100 65.5 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 278.465 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW012172.D

Acq: 26 Aug 2019 15:05

Instrument :

MSVOA_W

ClientSampleId :

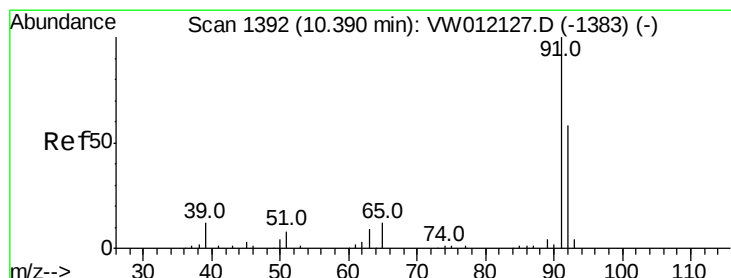
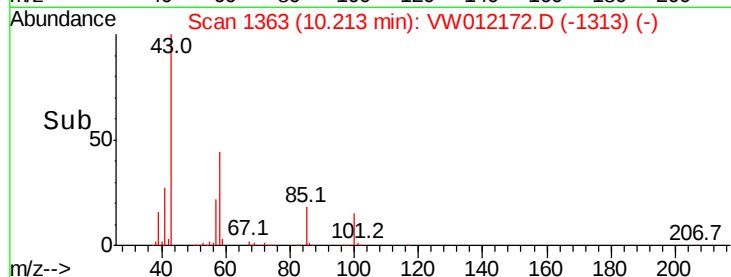
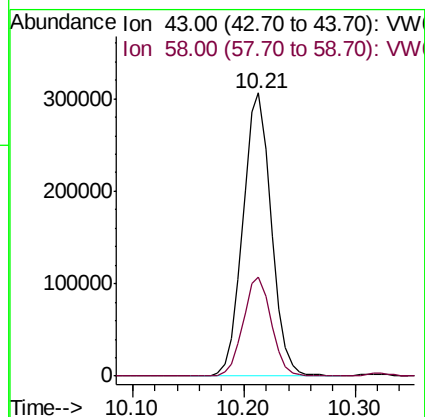
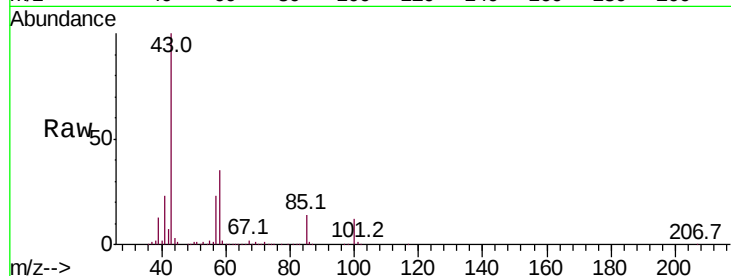
VSTDCCC050EC

Tot Ion: 43 Resp: 541576

Ion Ratio Lower Upper

43 100

58 34.8 28.2 42.2



#52

Toluene

Concen: 56.970 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012172.D

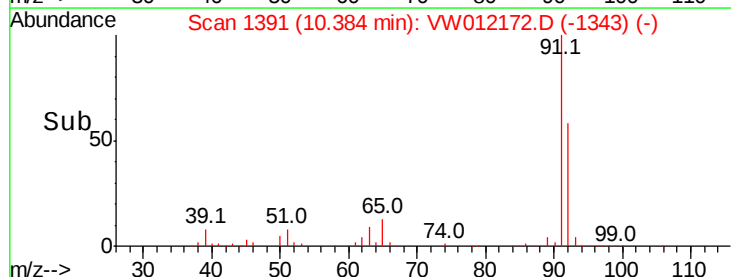
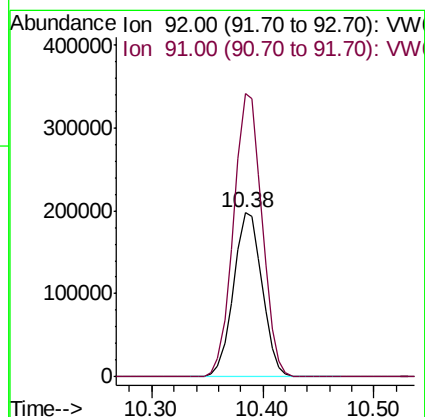
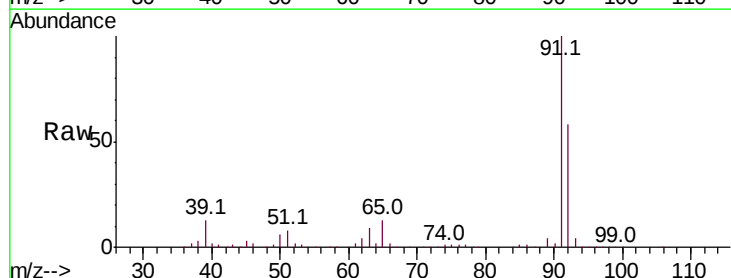
Acq: 26 Aug 2019 15:05

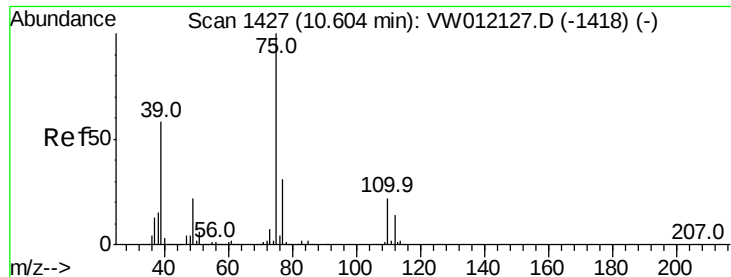
Tgt Ion: 92 Resp: 352043

Ion Ratio Lower Upper

92 100

91 171.5 136.6 204.8

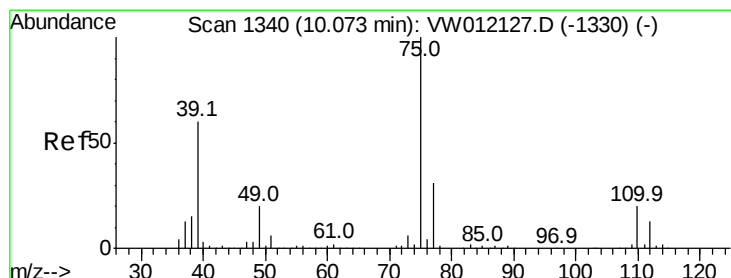
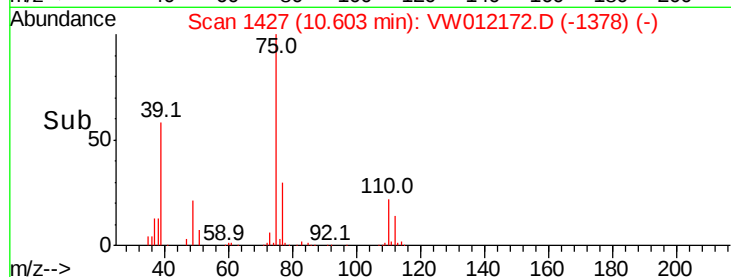
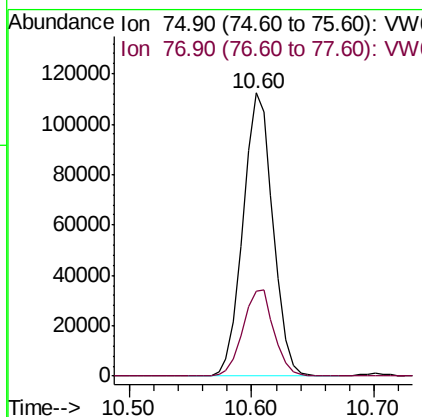
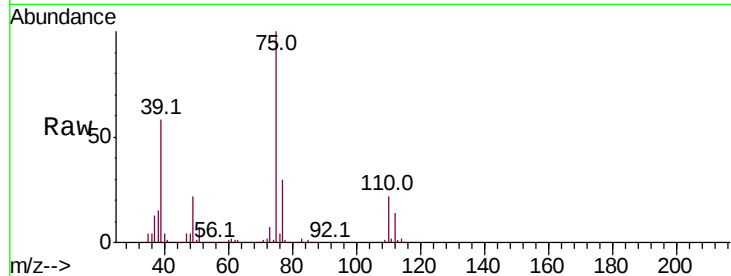




#53
t-1,3-Dichloropropene
Concen: 57.116 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW012172.D
Acq: 26 Aug 2019 15:05

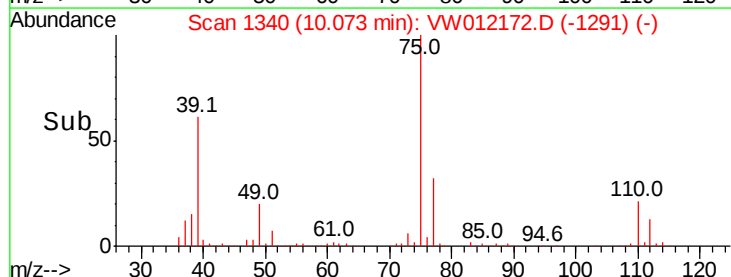
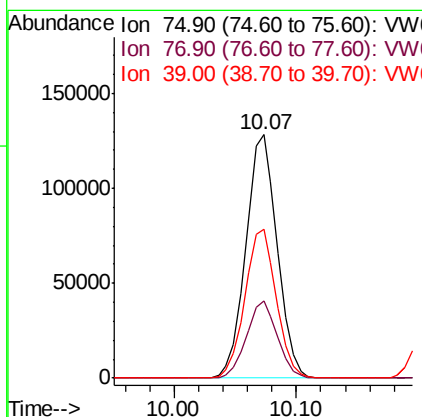
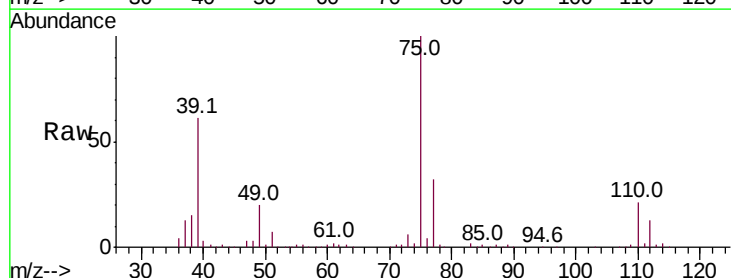
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

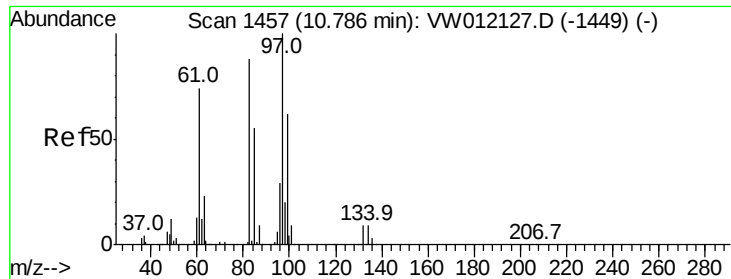
Tot Ion: 75 Resp: 190719
Ion Ratio Lower Upper
75 100
77 29.9 25.0 37.4



#54
cis-1,3-Dichloropropene
Concen: 56.586 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW012172.D
Acq: 26 Aug 2019 15:05

Tgt Ion: 75 Resp: 228146
Ion Ratio Lower Upper
75 100
77 31.7 25.1 37.7
39 61.2 48.3 72.5

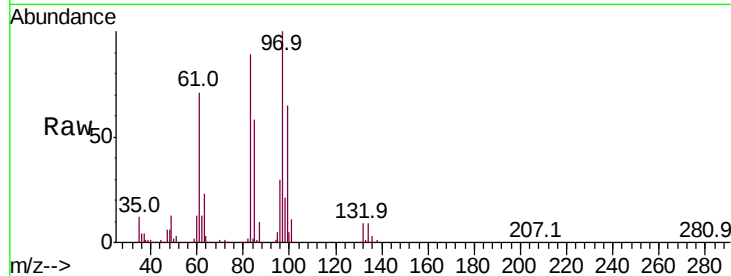




#55
 1,1,2-Trichloroethane
 Concen: 55.694 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012172.D
 Acq: 26 Aug 2019 15:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Resp		
97	100		
83	88.8	70.8	106.2
85	57.6	43.8	65.8
99	64.8	49.8	74.6



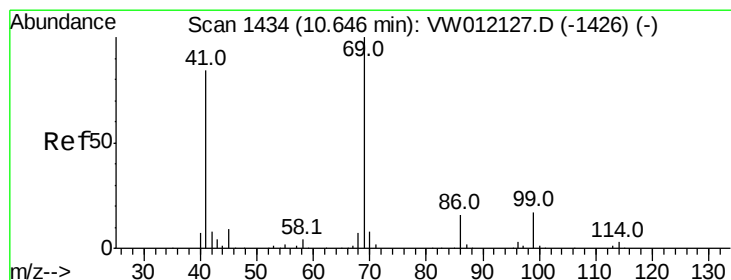
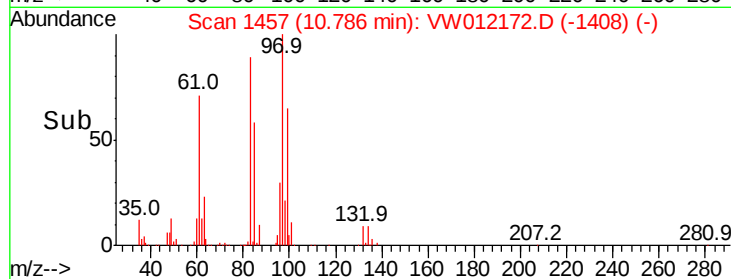
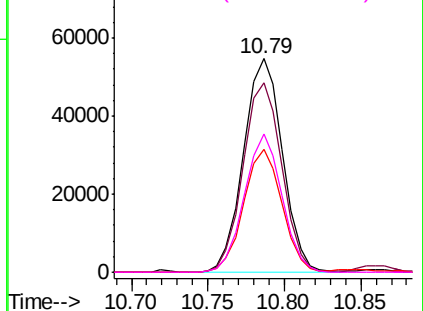
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

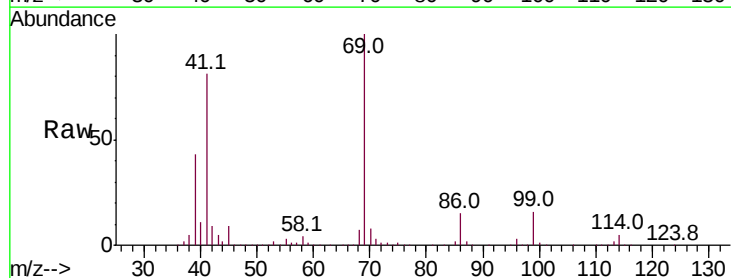
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 57.310 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012172.D
 Acq: 26 Aug 2019 15:05

Tgt Ion	Resp		
69	100		
41	82.1	66.5	99.7
39	39.4	31.0	46.4

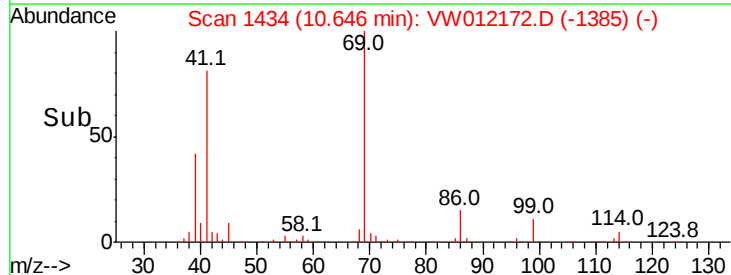
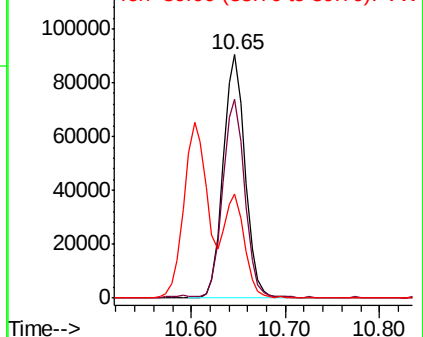


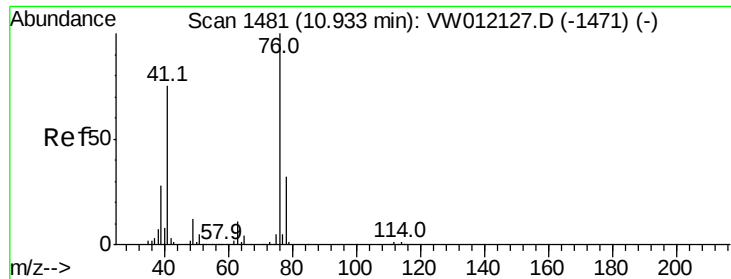
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

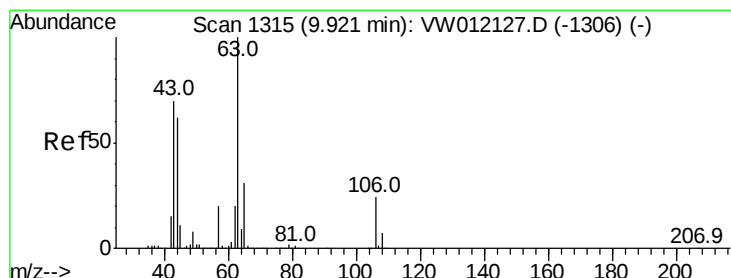
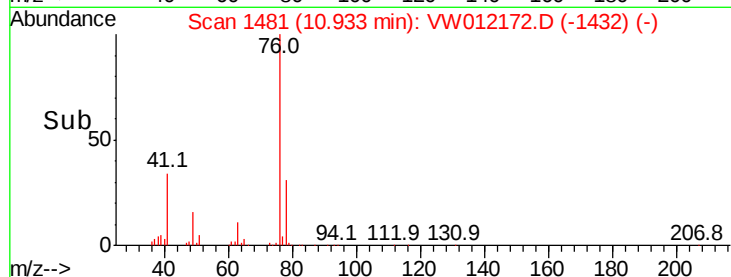
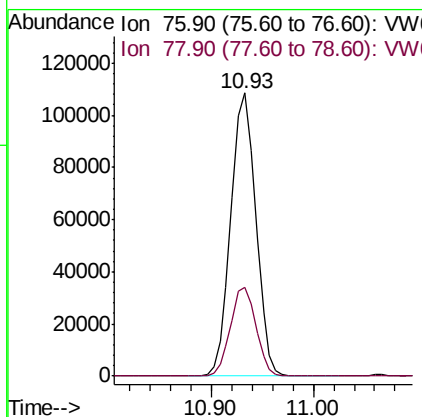
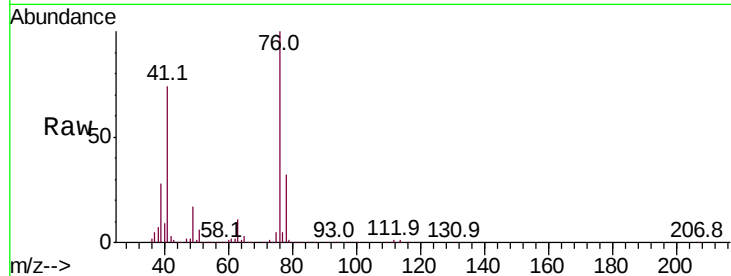




#57
 1,3-Dichloropropane
 Concen: 55.992 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012172.D
 Acq: 26 Aug 2019 15:05

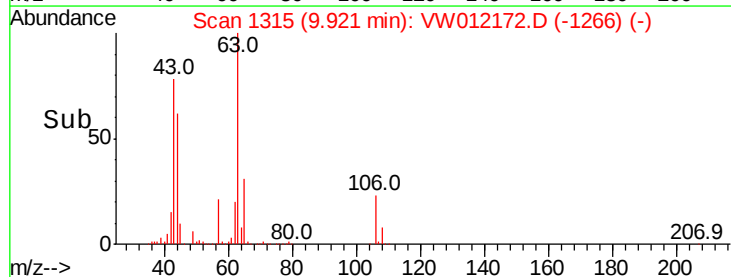
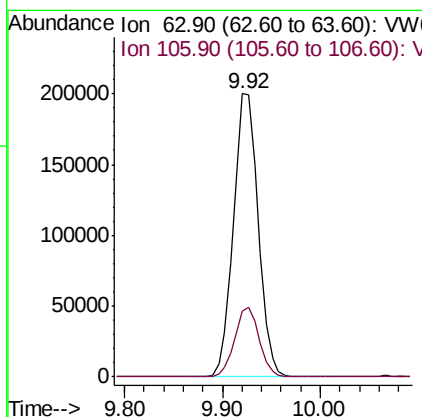
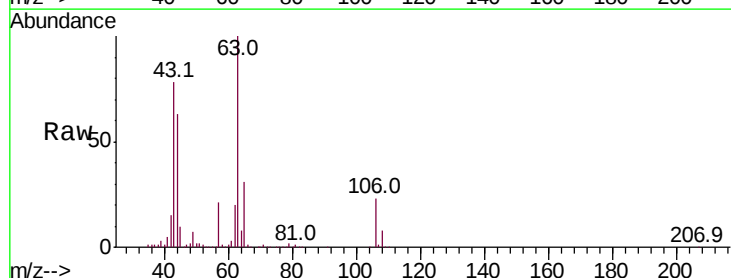
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

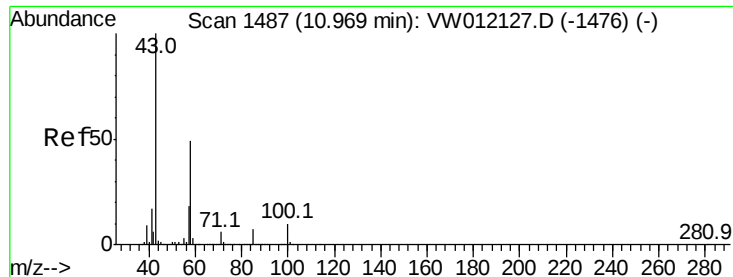
Tot Ion: 76 Resp: 184397
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 270.836 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012172.D
 Acq: 26 Aug 2019 15:05

Tgt Ion: 63 Resp: 352553
 Ion Ratio Lower Upper
 63 100
 106 24.3 19.8 29.8

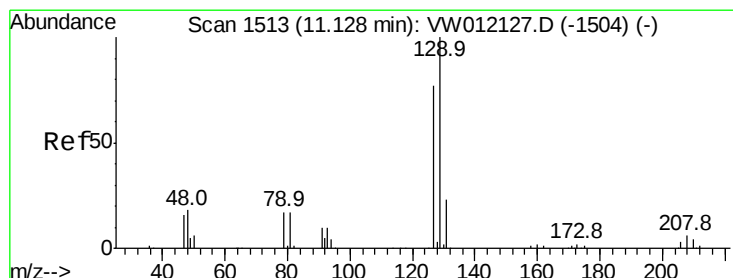
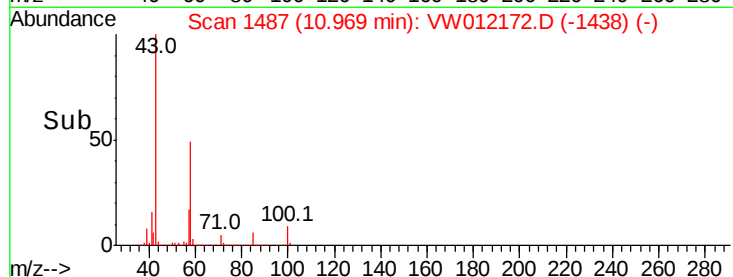
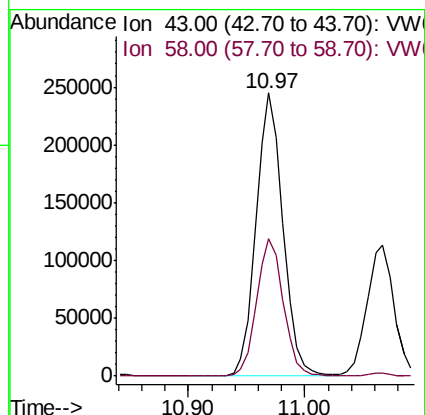
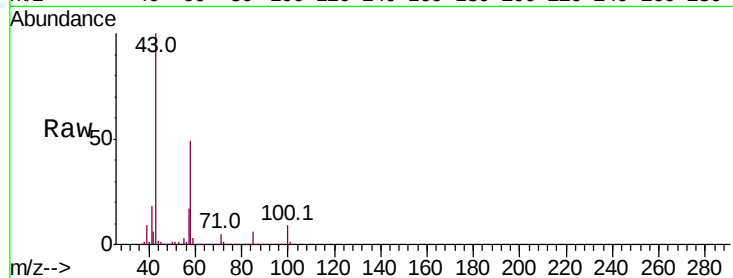




#59
2-Hexanone
Concen: 286.415 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012172.D
Acq: 26 Aug 2019 15:05

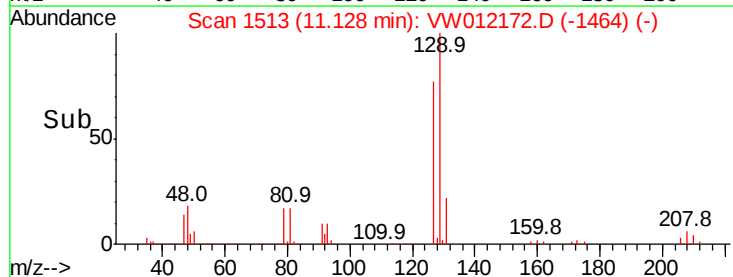
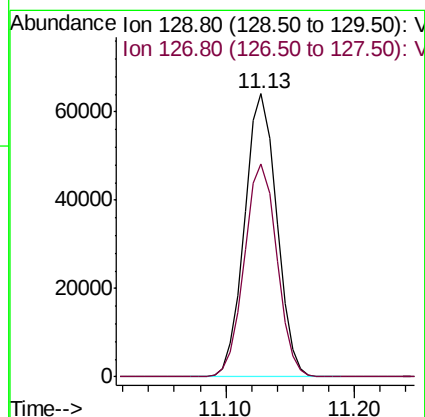
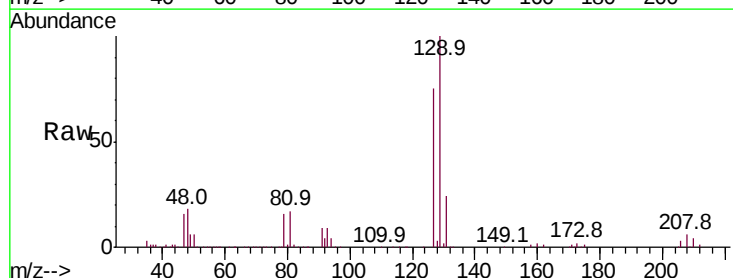
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

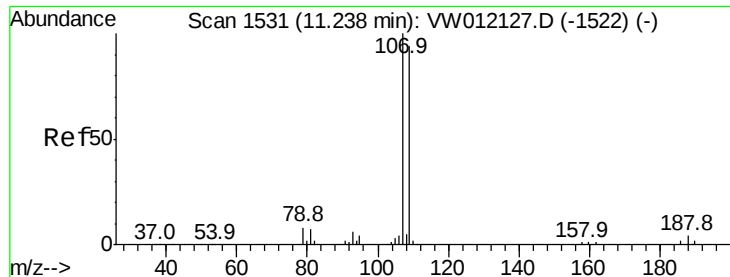
Tot Ion: 43 Resp: 394140
Ion Ratio Lower Upper
43 100
58 48.5 24.3 72.9



#60
Dibromochloromethane
Concen: 56.960 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012172.D
Acq: 26 Aug 2019 15:05

Tgt Ion: 129 Resp: 110565
Ion Ratio Lower Upper
129 100
127 76.2 38.6 115.8

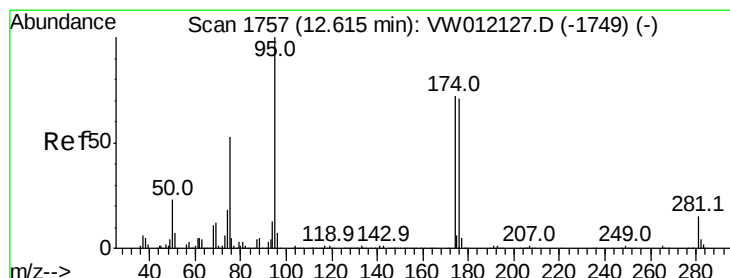
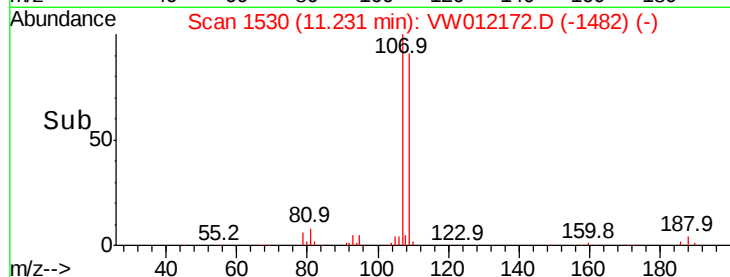
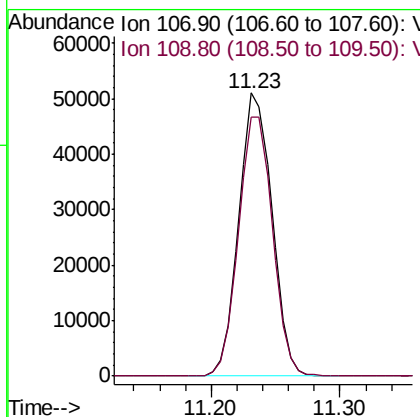
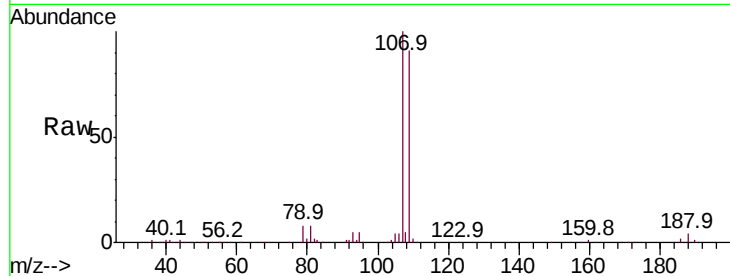




#61
 1,2-Dibromoethane
 Concen: 56.141 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012172.D
 Acq: 26 Aug 2019 15:05

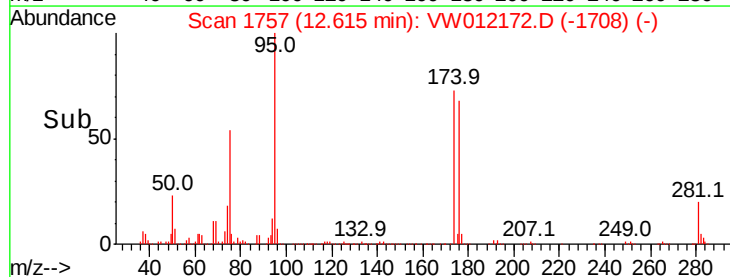
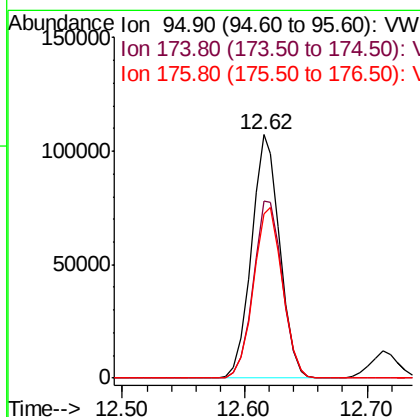
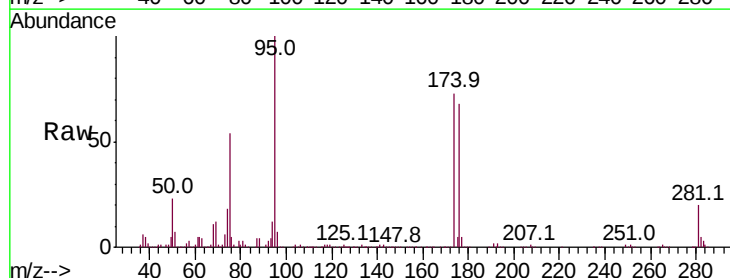
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

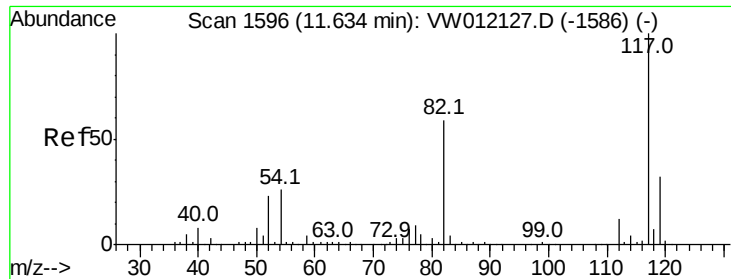
Tot Ion:107 Resp: 91149
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 55.331 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012172.D
 Acq: 26 Aug 2019 15:05

Tgt Ion: 95 Resp: 172082
 Ion Ratio Lower Upper
 95 100
 174 74.8 0.0 150.8
 176 72.3 0.0 148.6

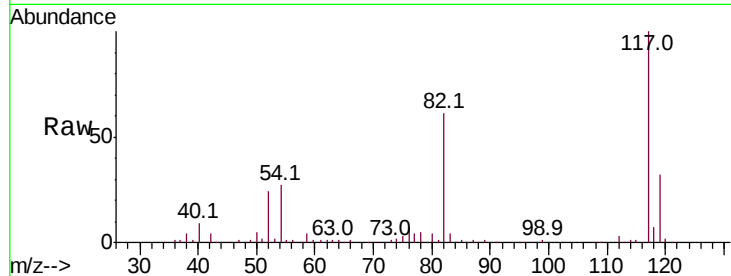




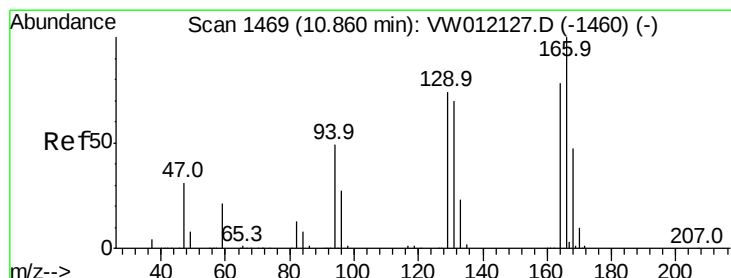
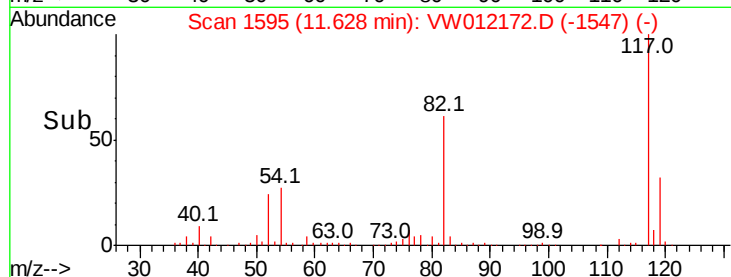
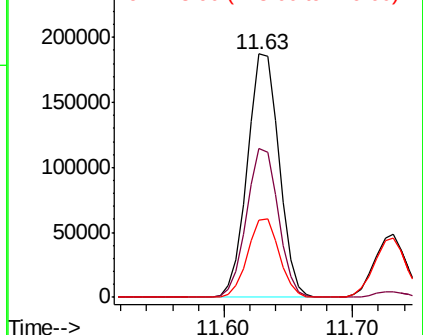
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012172.D
Acq: 26 Aug 2019 15:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 318259
Ion Ratio Lower Upper
117 100
82 61.2 47.4 71.2
119 31.8 25.4 38.2

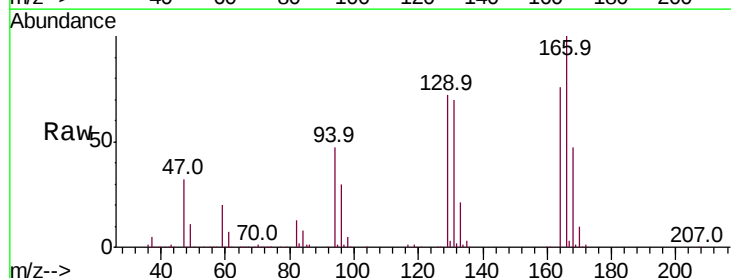


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VV
Ion 118.90 (118.60 to 119.60): V

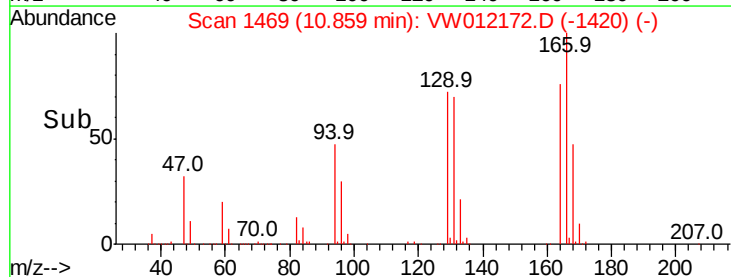
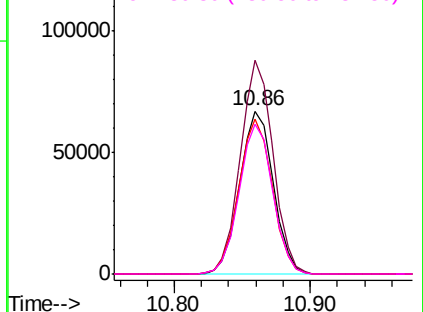


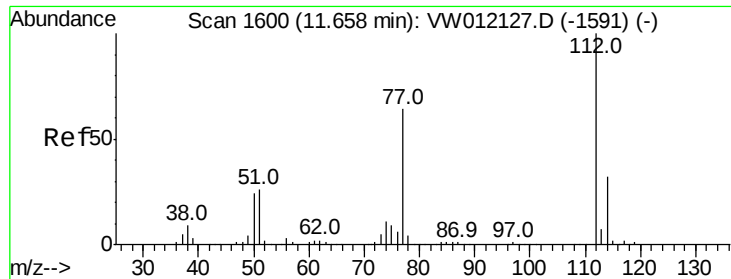
#64
Tetrachloroethene
Concen: 56.094 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012172.D
Acq: 26 Aug 2019 15:05

Tgt Ion:164 Resp: 115743
Ion Ratio Lower Upper
164 100
166 131.0 102.4 153.6
129 94.8 75.8 113.6
131 91.6 71.4 107.2



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

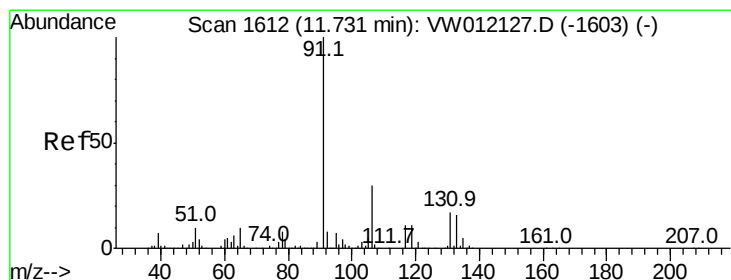
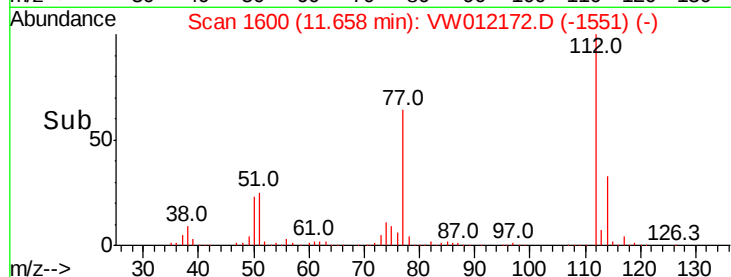
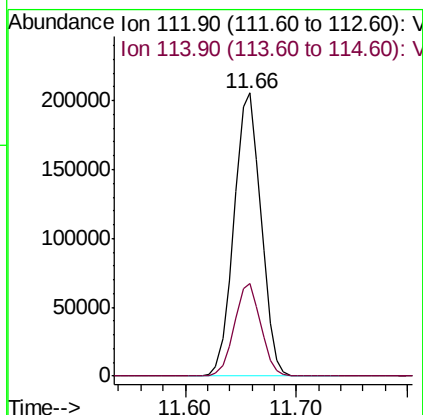
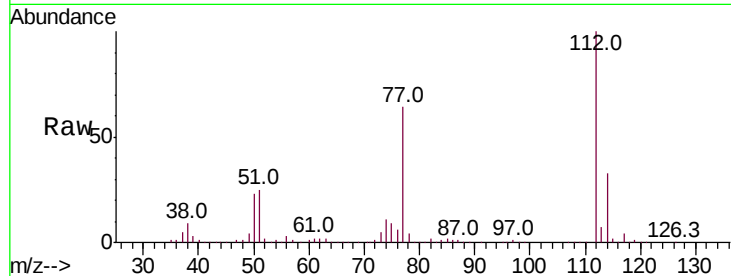




#65
Chlorobenzene
Concen: 55.083 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012172.D
Acq: 26 Aug 2019 15:05

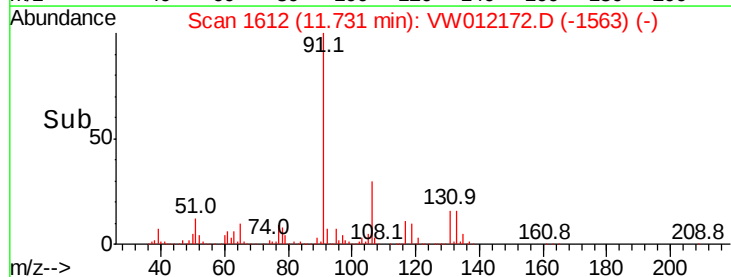
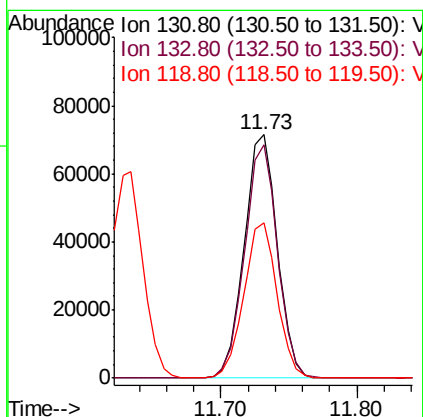
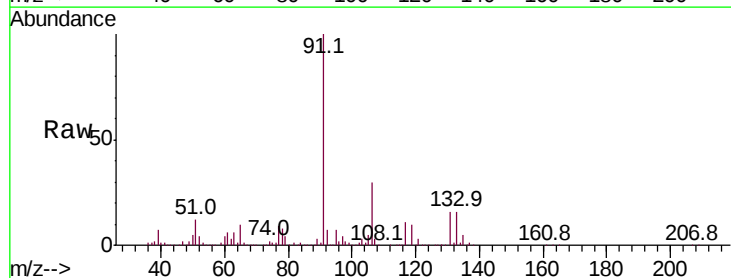
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

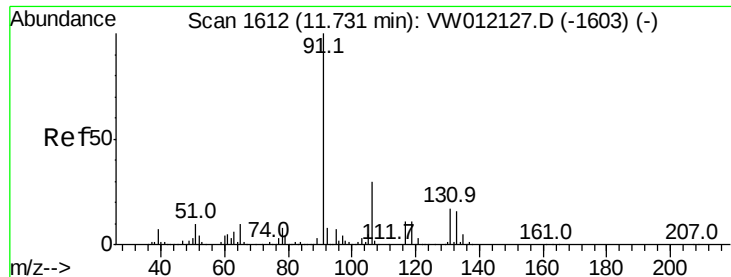
Tot Ion:112 Resp: 345195
Ion Ratio Lower Upper
112 100
114 32.8 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 55.629 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012172.D
Acq: 26 Aug 2019 15:05

Tgt Ion:131 Resp: 121619
Ion Ratio Lower Upper
131 100
133 95.1 47.1 141.3
119 64.2 31.8 95.3

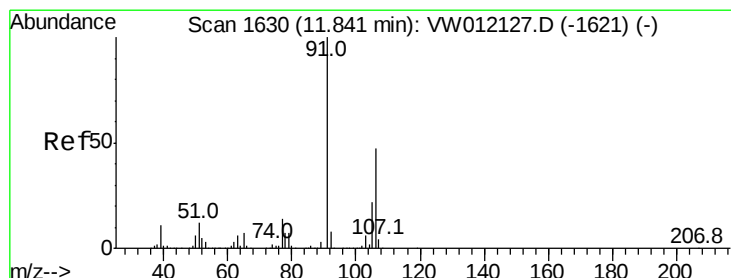
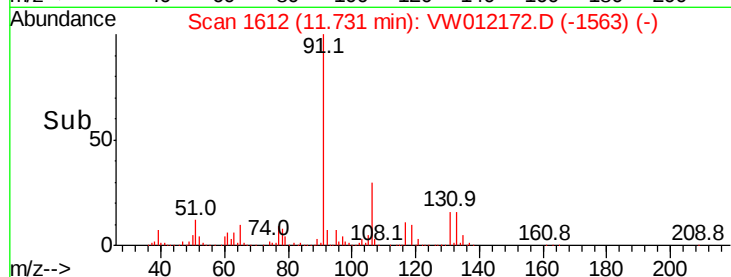
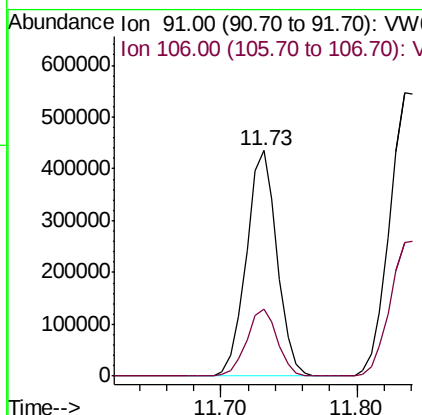
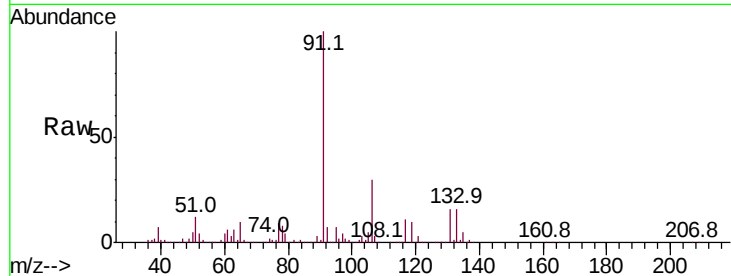




#67
Ethyl Benzene
Concen: 56.829 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012172.D
Acq: 26 Aug 2019 15:05

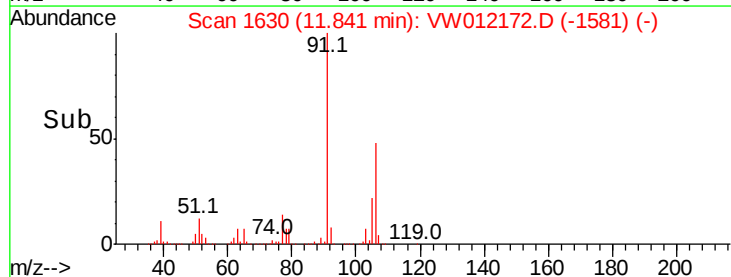
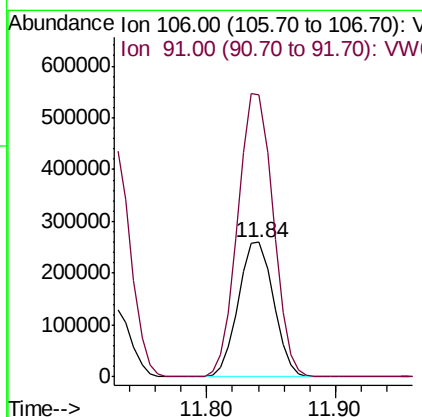
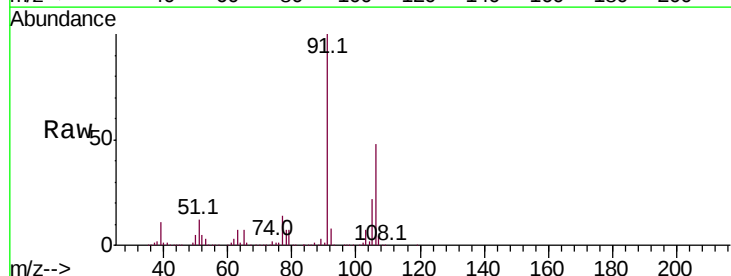
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

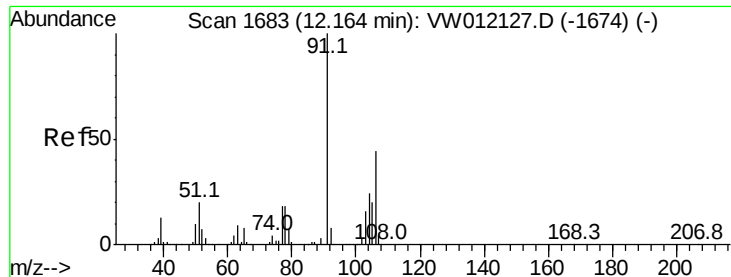
Tot Ion: 91 Resp: 686036
Ion Ratio Lower Upper
91 100
106 29.8 24.3 36.5



#68
m/p-Xylenes
Concen: 113.991 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012172.D
Acq: 26 Aug 2019 15:05

Tgt Ion:106 Resp: 495685
Ion Ratio Lower Upper
106 100
91 210.3 169.5 254.3

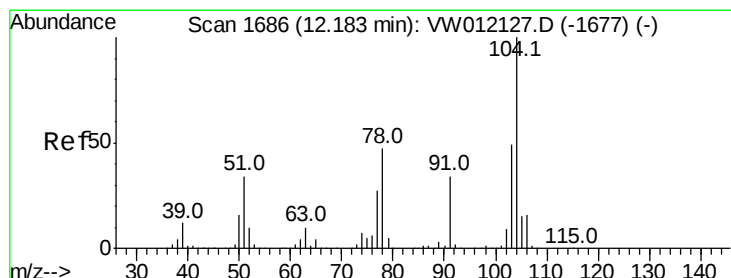
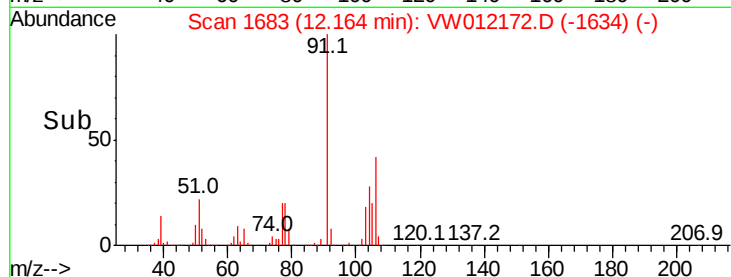
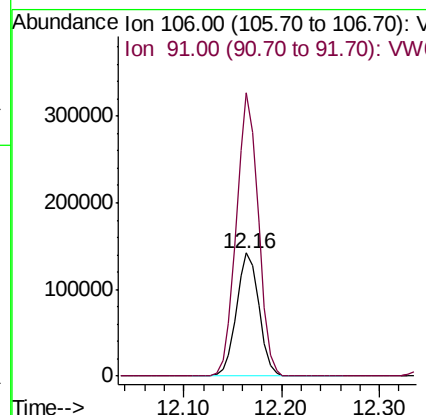
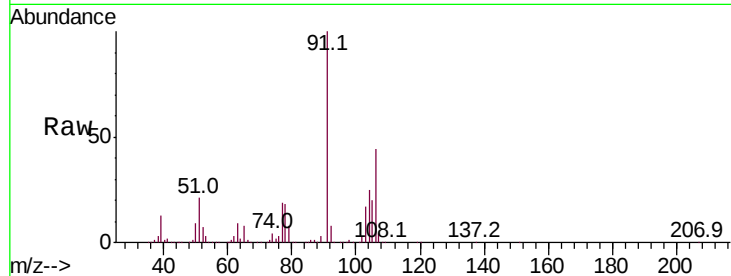




#69
o-Xylene
Concen: 56.364 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012172.D
Acq: 26 Aug 2019 15:05

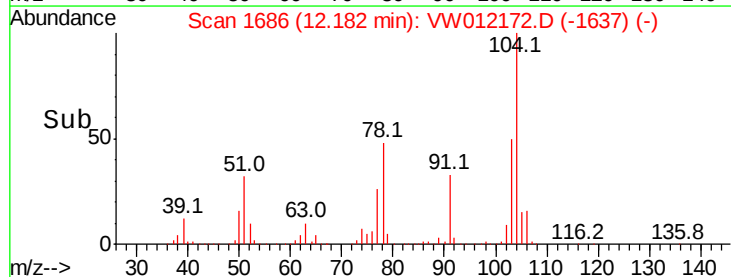
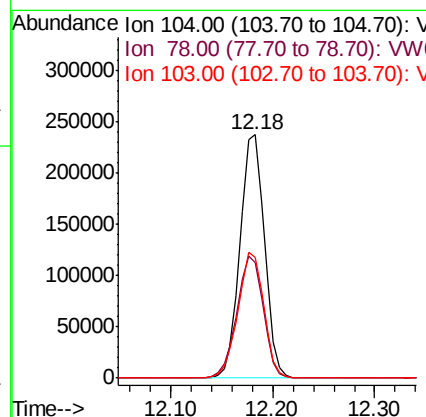
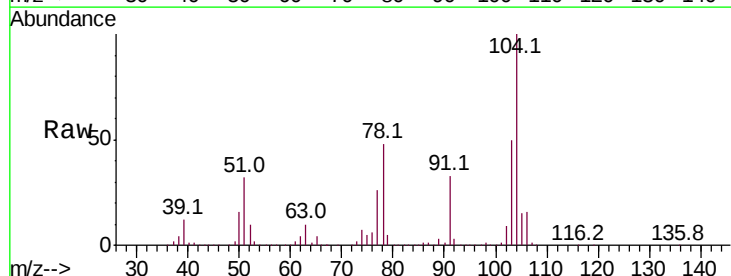
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

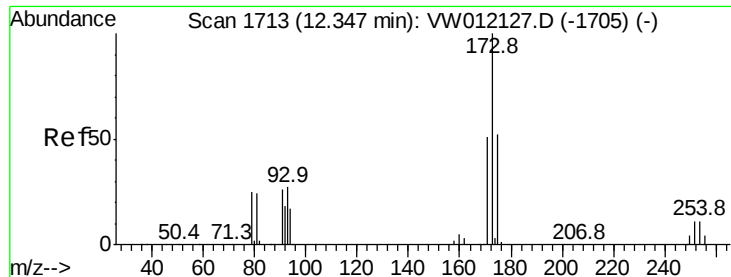
Tot Ion:106 Resp: 226845
Ion Ratio Lower Upper
106 100
91 224.5 111.6 334.6



#70
Styrene
Concen: 56.355 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012172.D
Acq: 26 Aug 2019 15:05

Tgt Ion:104 Resp: 392582
Ion Ratio Lower Upper
104 100
78 54.2 43.1 64.7
103 54.7 43.5 65.3

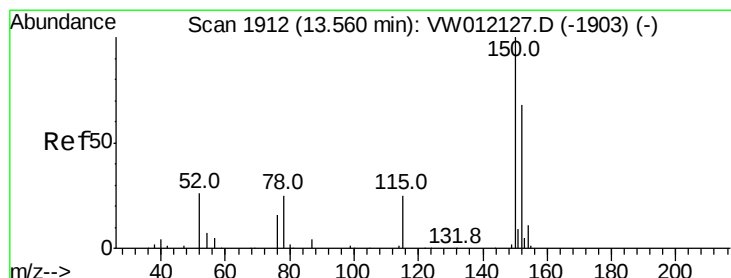
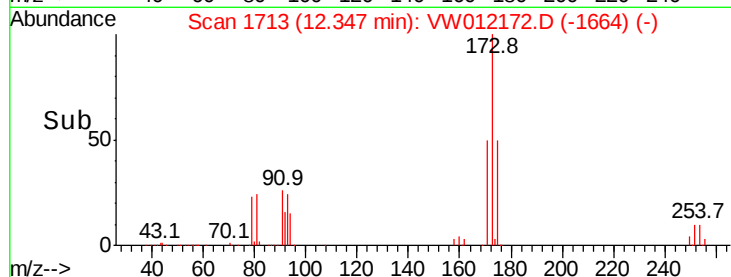
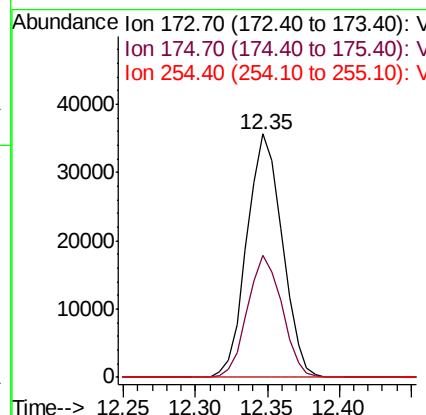
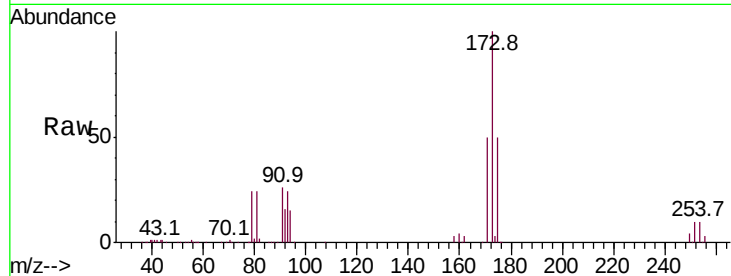




#71
Bromoform
Concen: 55.770 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012172.D
Acq: 26 Aug 2019 15:05

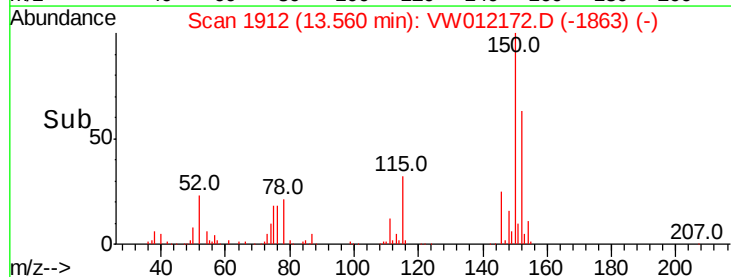
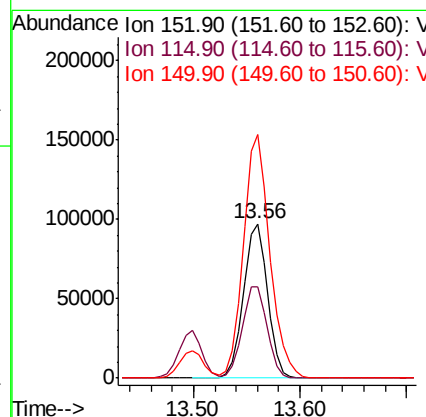
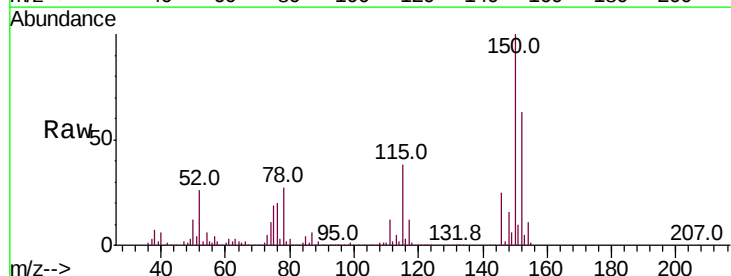
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

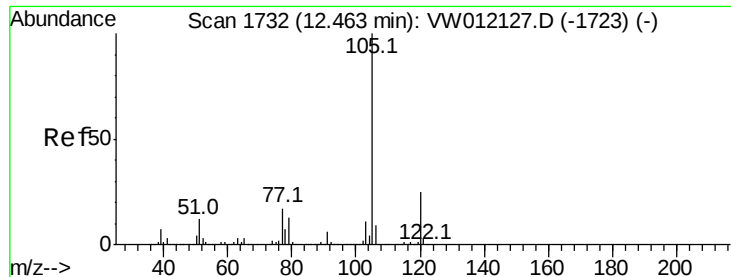
Tot Ion:173 Resp: 60747
Ion Ratio Lower Upper
173 100
175 48.9 24.6 74.0
254 0.2 0.2 0.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012172.D
Acq: 26 Aug 2019 15:05

Tgt Ion:152 Resp: 153821
Ion Ratio Lower Upper
152 100
115 61.5 30.1 90.3
150 173.4 0.0 345.8

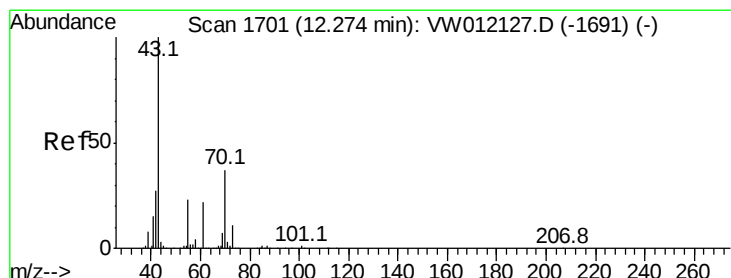
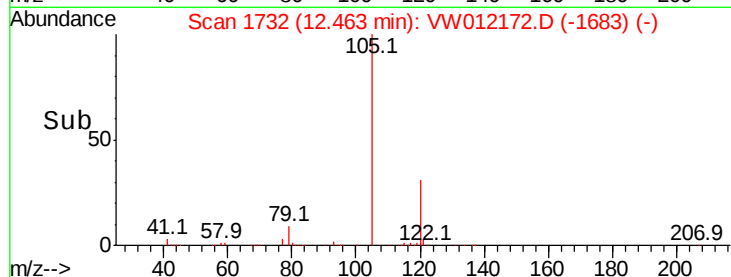
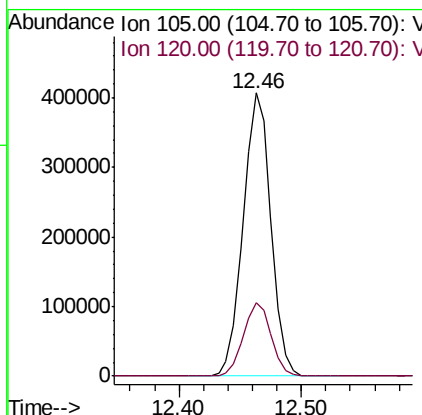
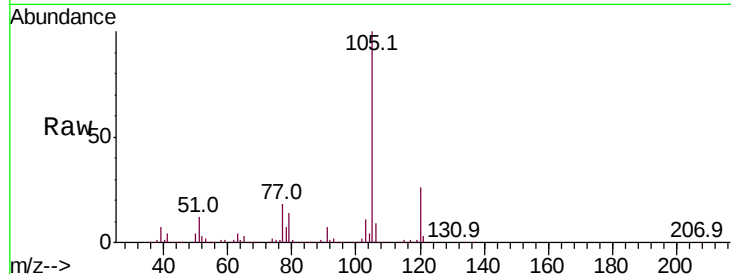




#73
Isopropylbenzene
Concen: 55.373 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012172.D
Acq: 26 Aug 2019 15:05

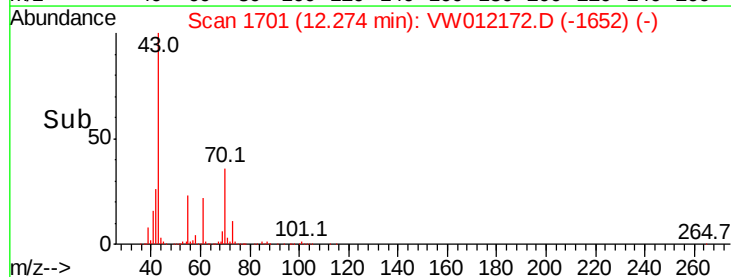
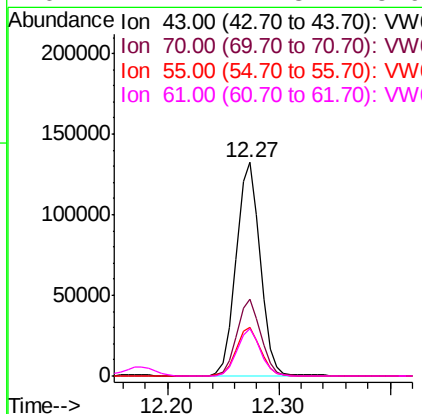
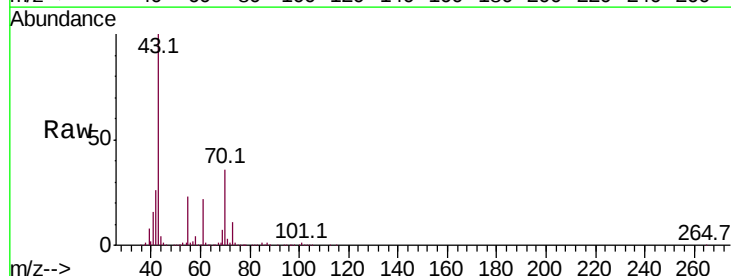
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

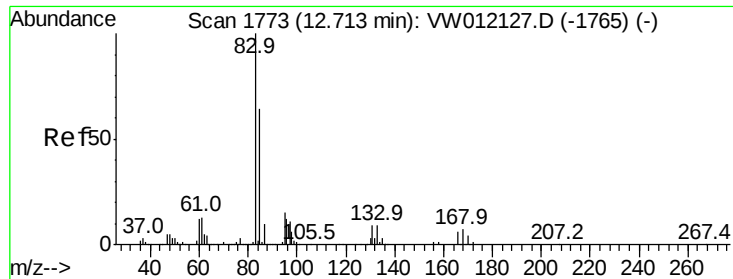
Tot Ion:105 Resp: 638230
Ion Ratio Lower Upper
105 100
120 25.8 12.5 37.5



#74
N-ethyl acetate
Concen: 56.552 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012172.D
Acq: 26 Aug 2019 15:05

Tgt Ion: 43 Resp: 196932
Ion Ratio Lower Upper
43 100
70 35.9 28.6 43.0
55 22.9 17.8 26.6
61 21.7 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 55.149 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012172.D

Acq: 26 Aug 2019 15:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

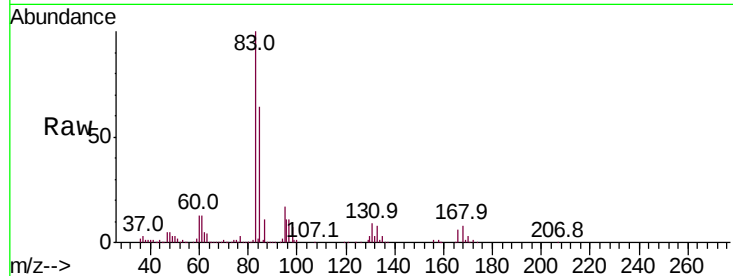
Tot Ion: 83 Resp: 116534

Ion Ratio Lower Upper

83 100

131 10.0 4.9 14.7

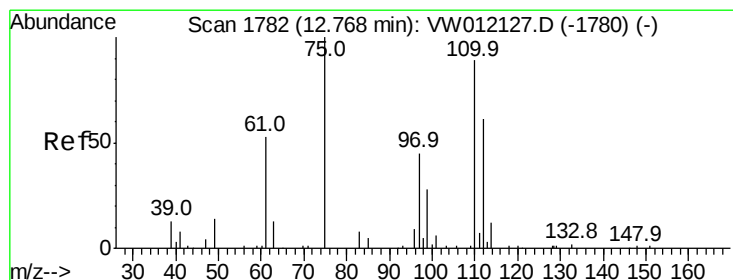
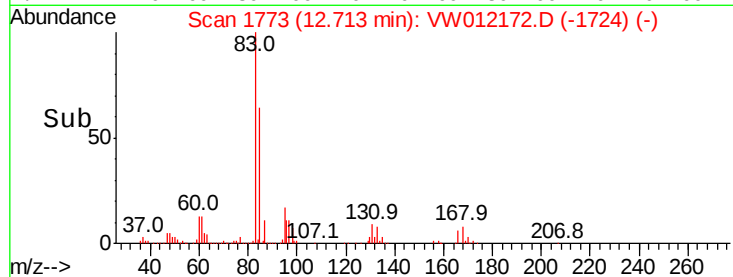
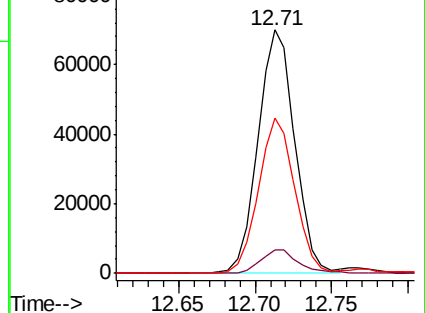
85 63.1 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 104.245 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012172.D

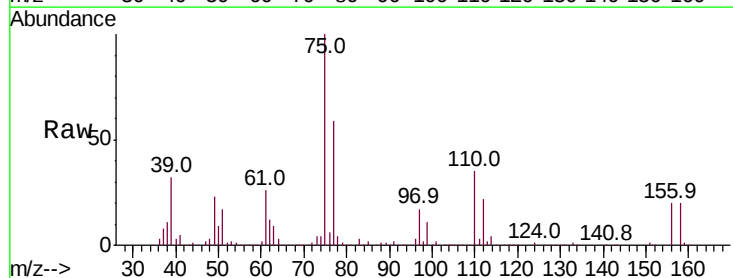
Acq: 26 Aug 2019 15:05

Tgt Ion: 75 Resp: 156170

Ion Ratio Lower Upper

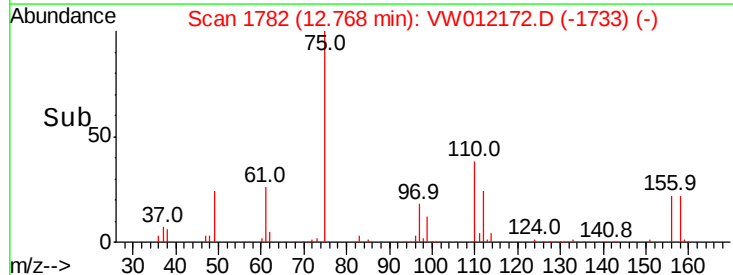
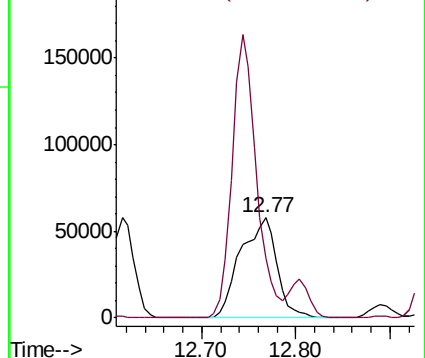
75 100

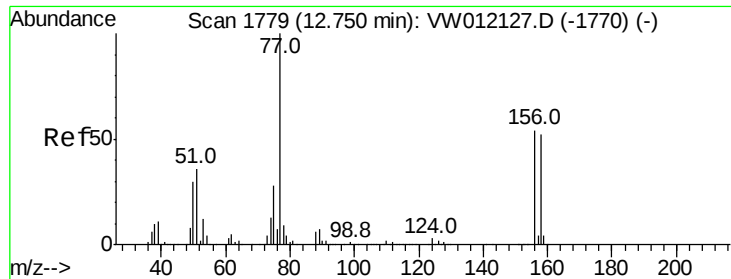
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 54.764 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012172.D

Acq: 26 Aug 2019 15:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

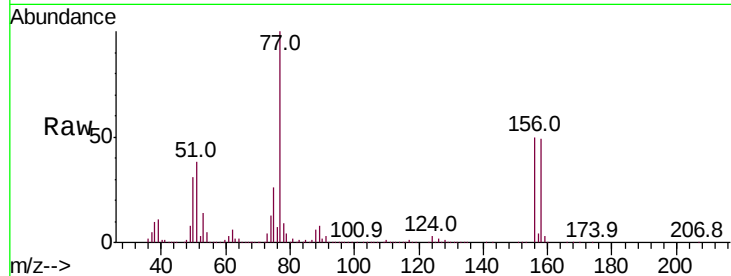
Tot Ion:156 Resp: 136557

Ion Ratio Lower Upper

156 100

77 215.7 107.3 321.8

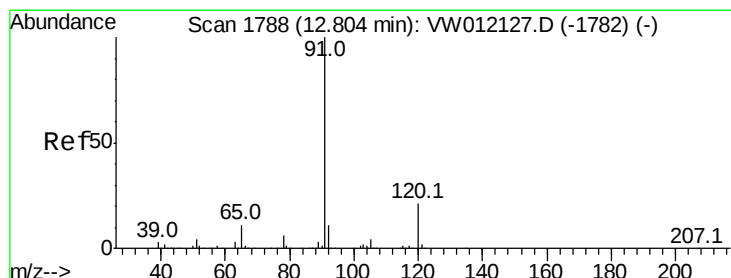
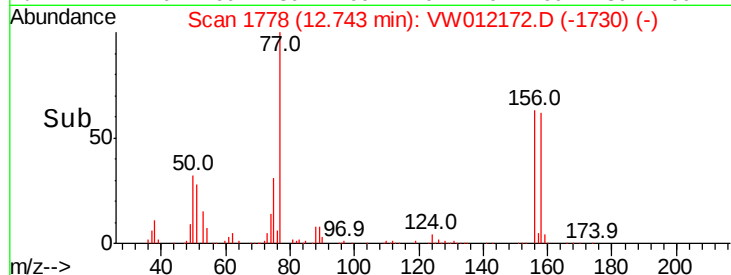
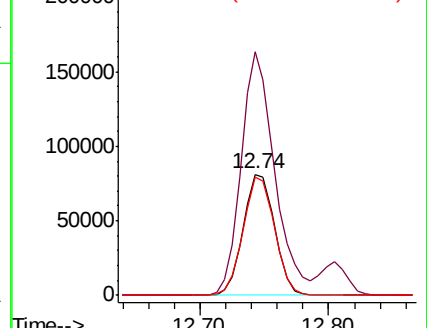
158 98.2 49.0 147.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 56.141 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012172.D

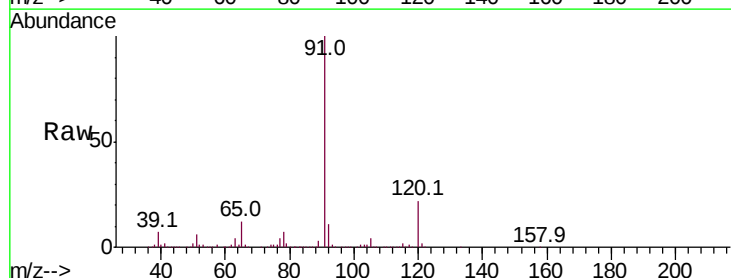
Acq: 26 Aug 2019 15:05

Tgt Ion: 91 Resp: 789956

Ion Ratio Lower Upper

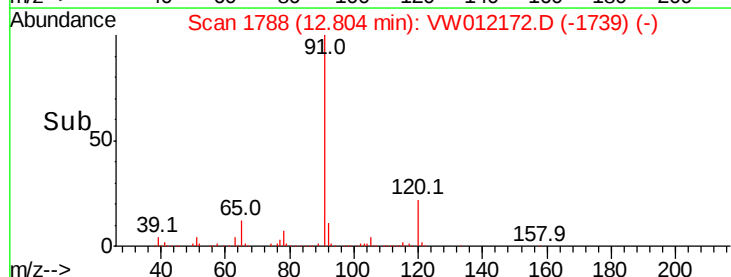
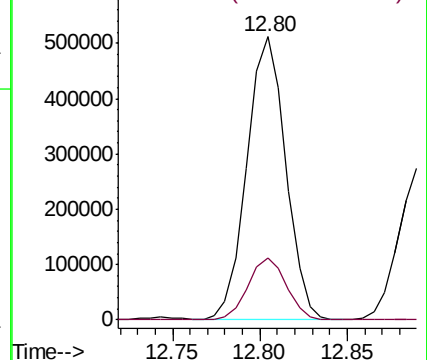
91 100

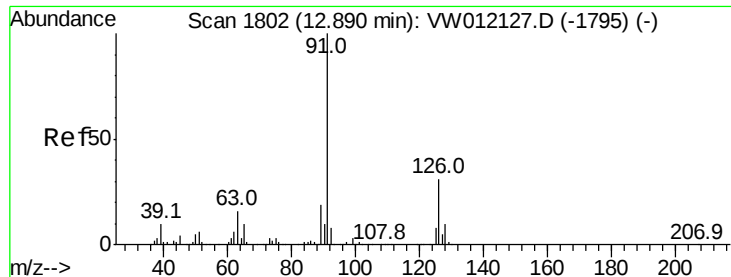
120 21.6 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

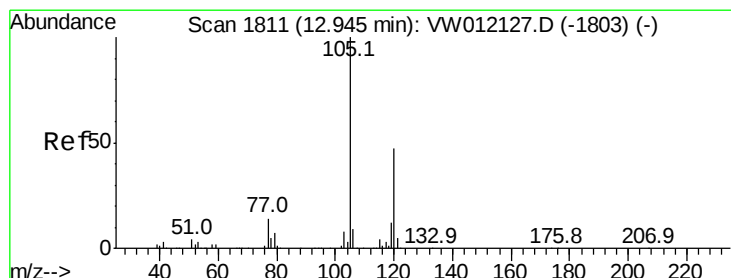
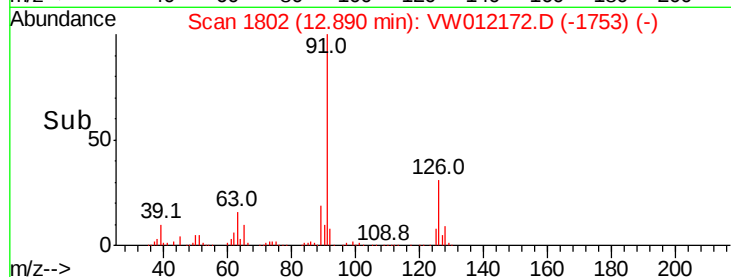
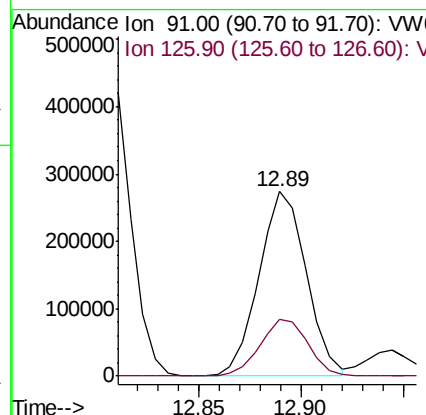
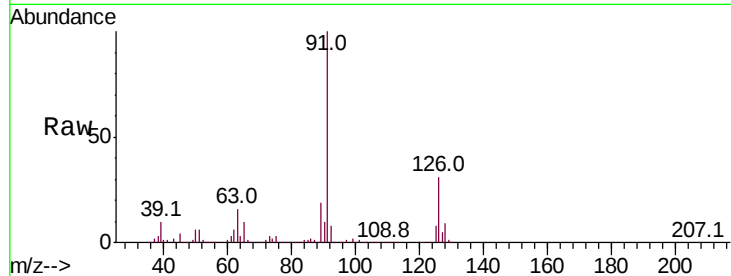




#79
 2-Chlorotoluene
 Concen: 55.351 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW012172.D
 Acq: 26 Aug 2019 15:05

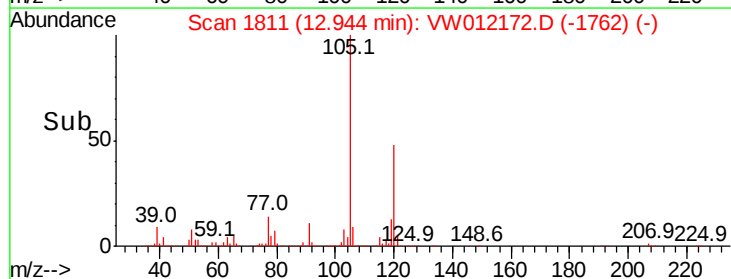
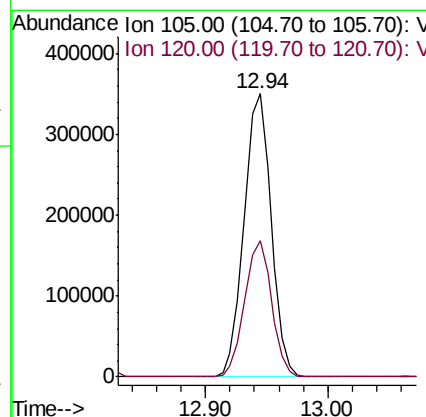
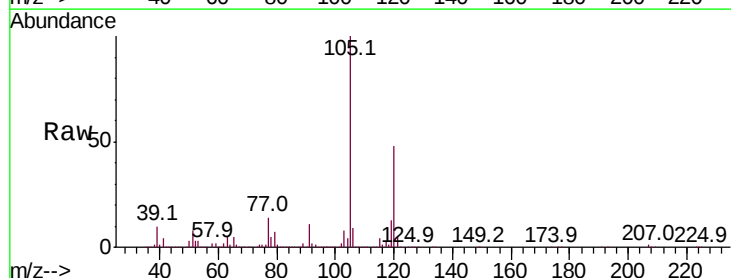
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

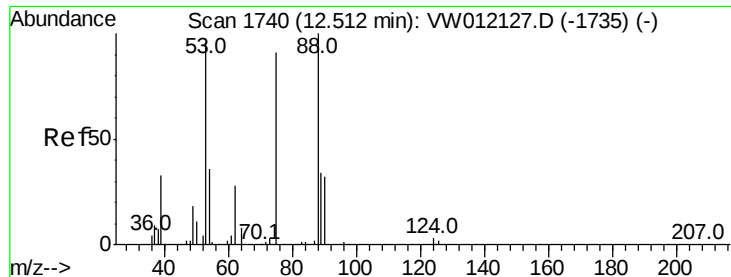
Tot Ion: 91 Resp: 442179
 Ion Ratio Lower Upper
 91 100
 126 31.2 15.7 47.0



#80
 1,3,5-Trimethylbenzene
 Concen: 55.794 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW012172.D
 Acq: 26 Aug 2019 15:05

Tgt Ion:105 Resp: 537359
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.0 72.0

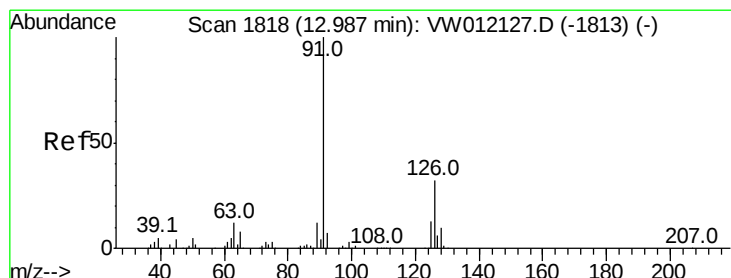
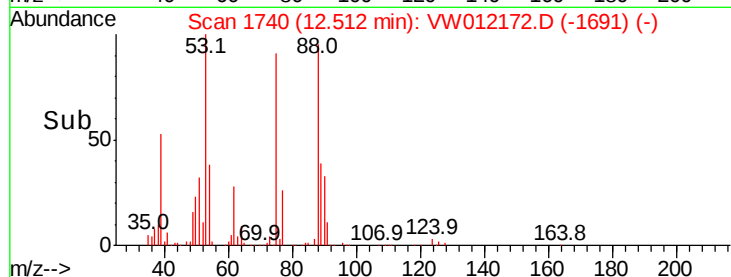
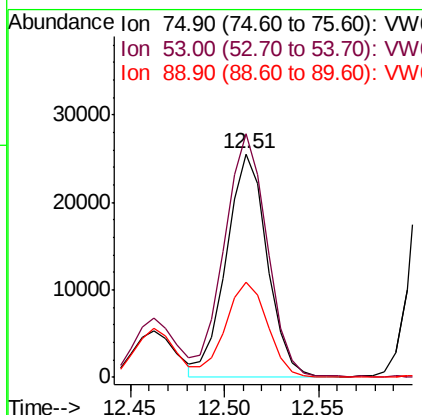
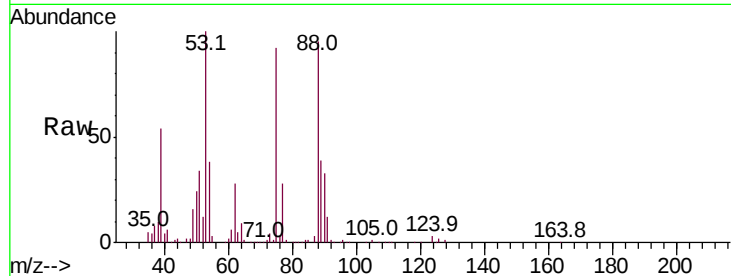




#81
trans-1,4-Dichloro-2-butene
Concen: 56.498 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012172.D
Acq: 26 Aug 2019 15:05

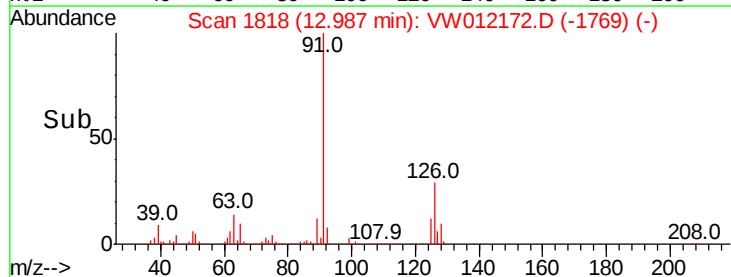
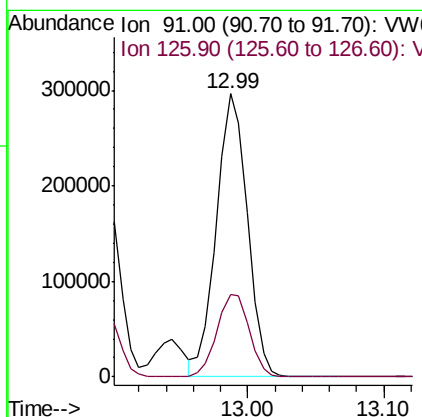
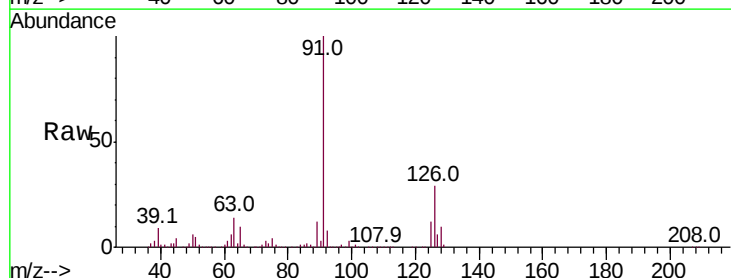
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

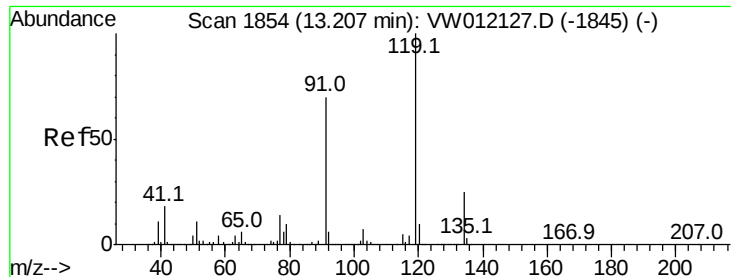
Tot Ion: 75 Resp: 38604
Ion Ratio Lower Upper
75 100
53 113.6 89.4 134.0
89 43.0 34.5 51.7



#82
4-Chlorotoluene
Concen: 55.874 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012172.D
Acq: 26 Aug 2019 15:05

Tgt Ion: 91 Resp: 467375
Ion Ratio Lower Upper
91 100
126 30.6 15.6 46.8

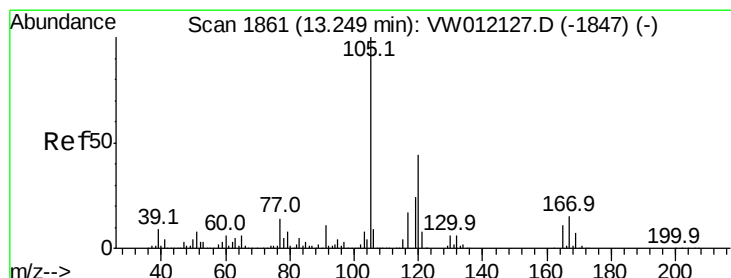
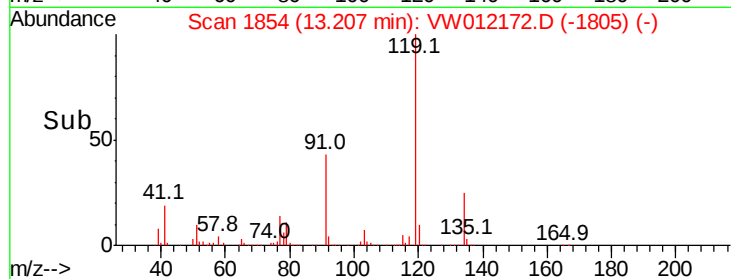
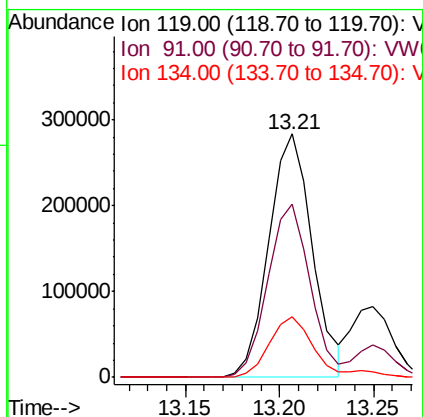
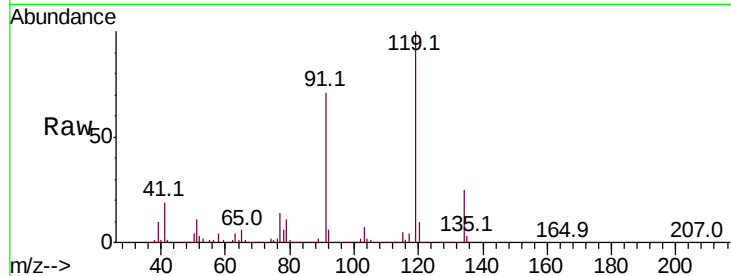




#83
tert-Butylbenzene
Concen: 55.597 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012172.D
Acq: 26 Aug 2019 15:05

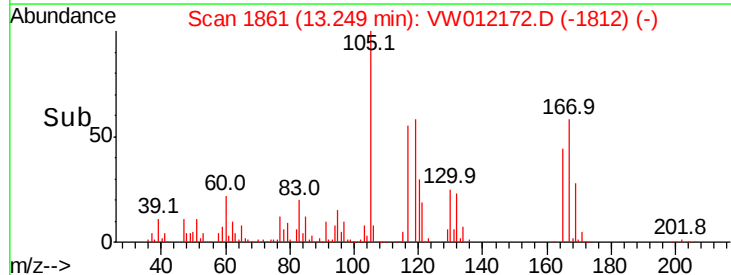
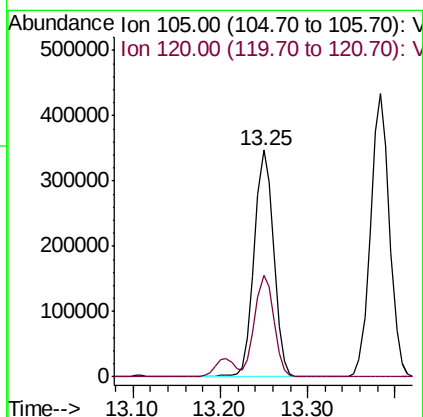
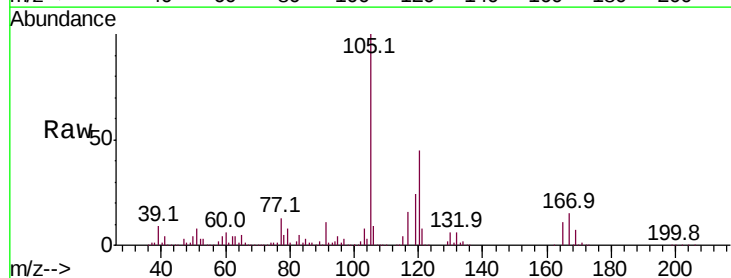
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

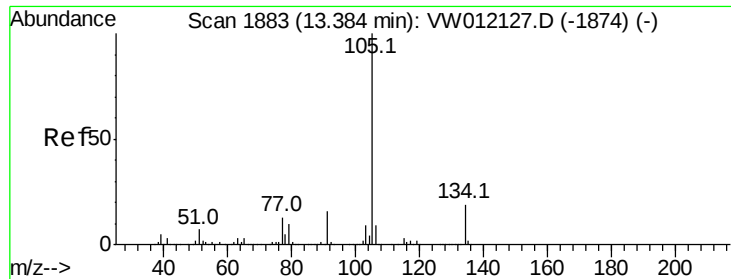
Tot Ion:119 Resp: 453579
Ion Ratio Lower Upper
119 100
91 69.2 34.8 104.3
134 24.8 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: 55.333 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012172.D
Acq: 26 Aug 2019 15:05

Tgt Ion:105 Resp: 535330
Ion Ratio Lower Upper
105 100
120 44.2 21.9 65.7

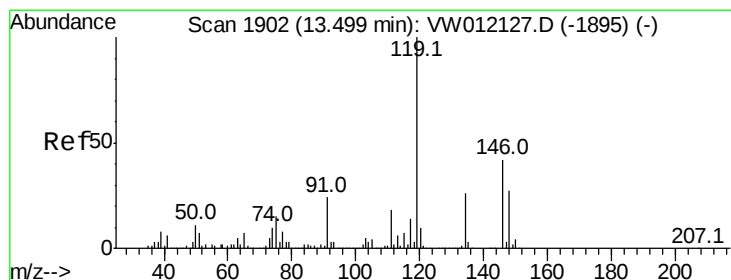
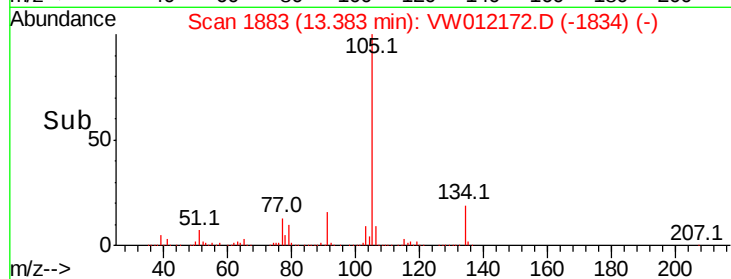
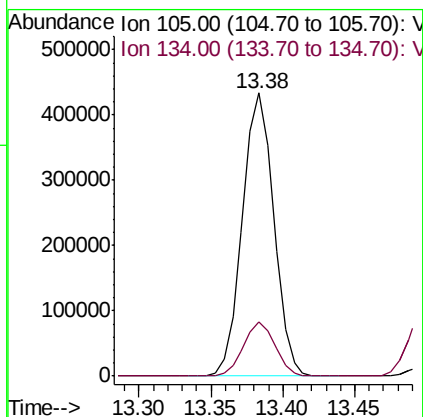
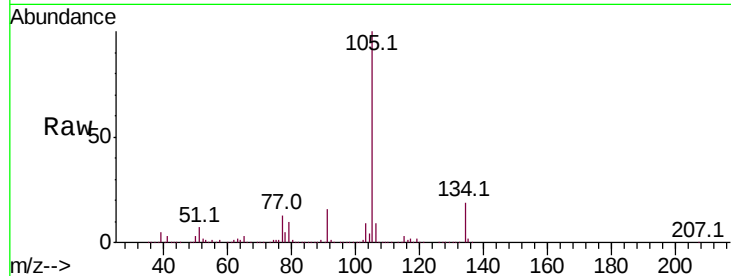




#85
 sec-Butylbenzene
 Concen: 56.028 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012172.D
 Acq: 26 Aug 2019 15:05

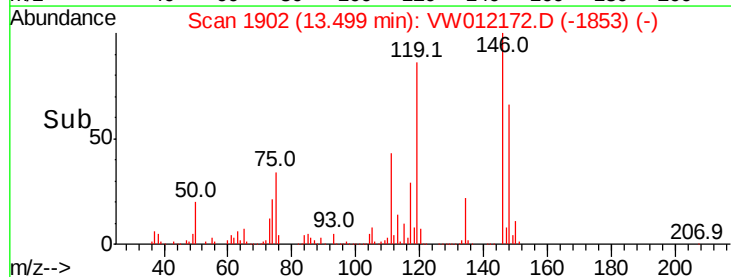
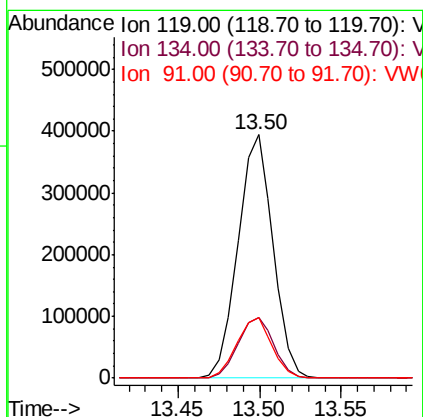
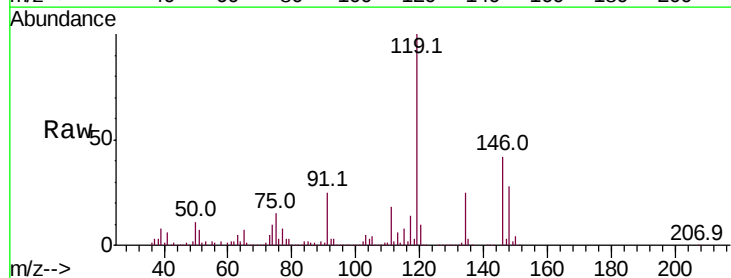
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

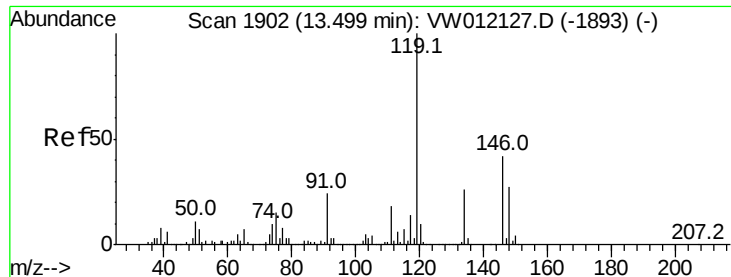
Tot Ion:105 Resp: 654872
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 56.251 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012172.D
 Acq: 26 Aug 2019 15:05

Tgt Ion:119 Resp: 587170
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.8 38.3
 91 24.8 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 55.003 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012172.D

Acq: 26 Aug 2019 15:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

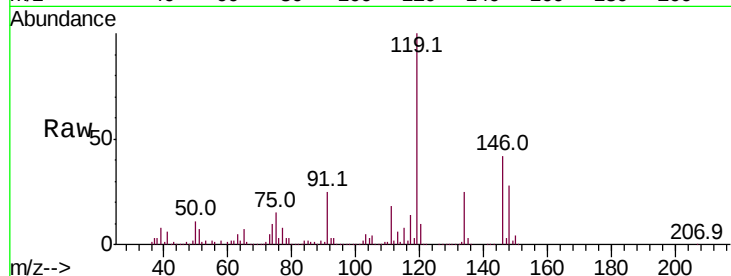
Tot Ion:146 Resp: 268263

Ion Ratio Lower Upper

146 100

111 41.7 20.9 62.7

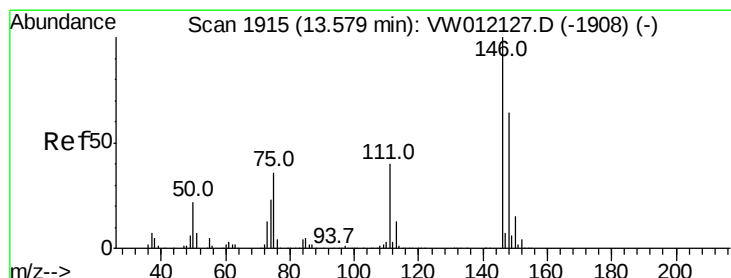
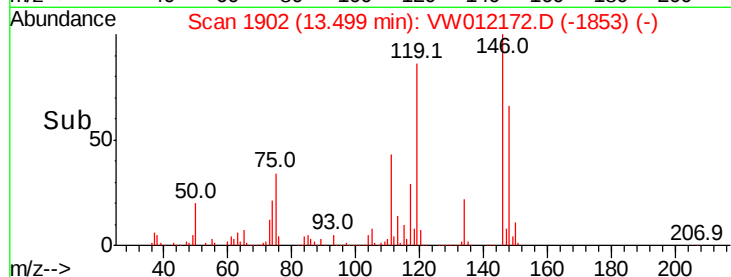
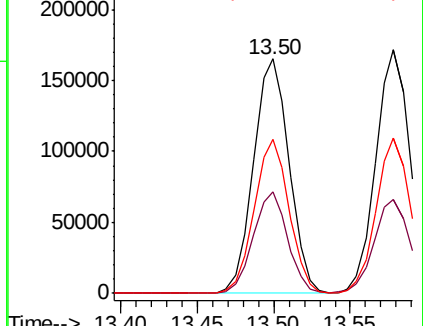
148 64.2 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 55.288 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW012172.D

Acq: 26 Aug 2019 15:05

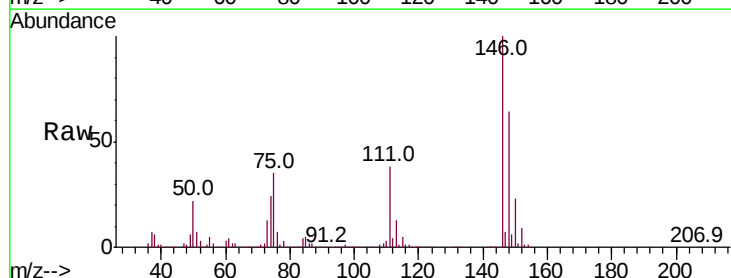
Tgt Ion:146 Resp: 267746

Ion Ratio Lower Upper

146 100

111 39.8 20.0 60.0

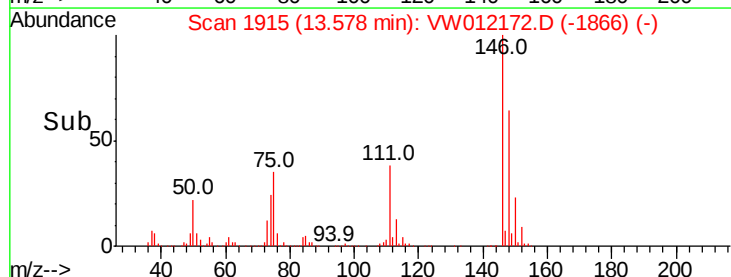
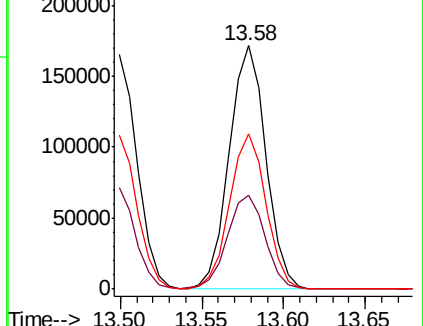
148 63.6 32.1 96.3

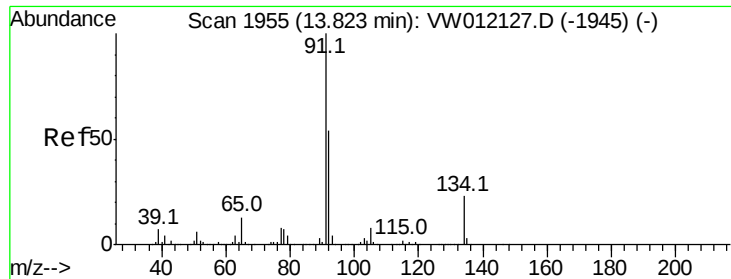


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

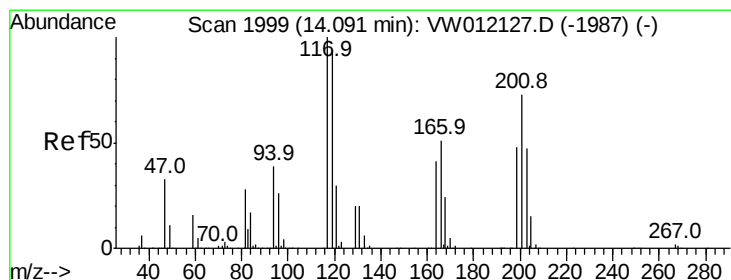
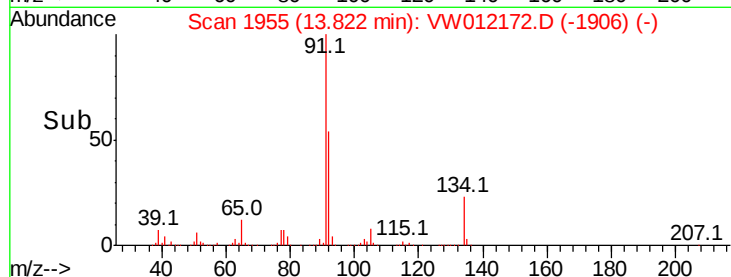
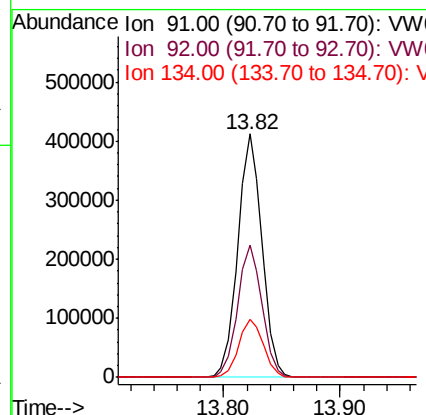
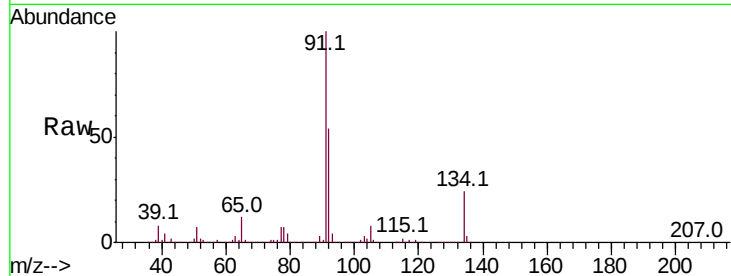




#89
n-Butylbenzene
Concen: 57.323 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012172.D
Acq: 26 Aug 2019 15:05

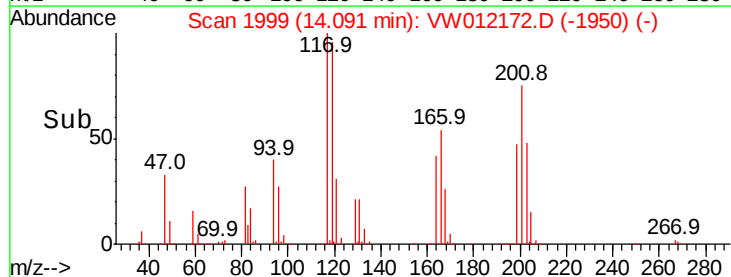
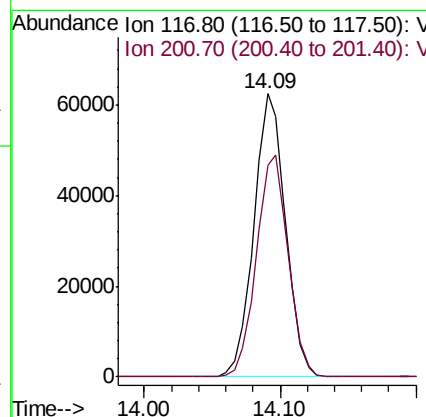
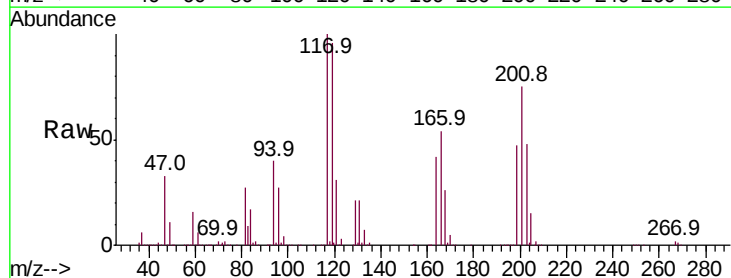
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

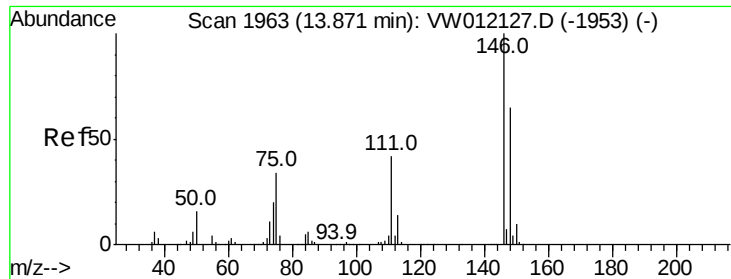
Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.1	81.2
134	24.3	12.2	36.4



#90
Hexachloroethane
Concen: 55.523 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012172.D
Acq: 26 Aug 2019 15:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.9	38.6	115.7

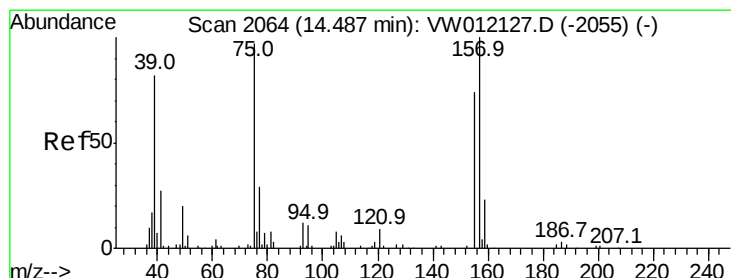
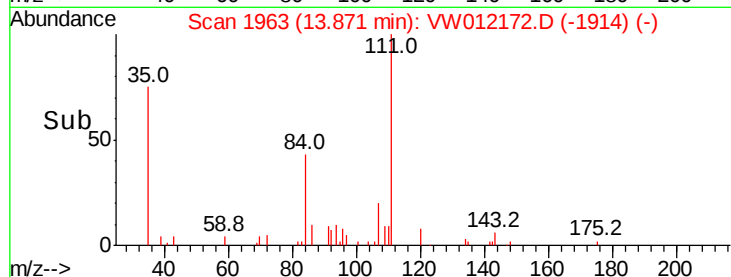
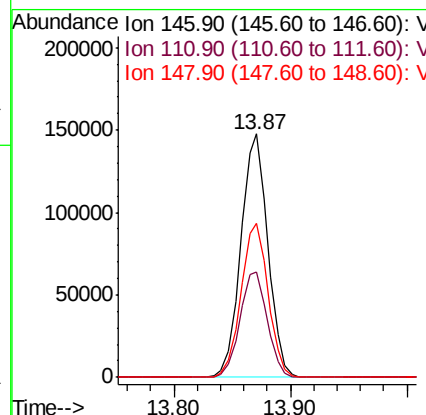
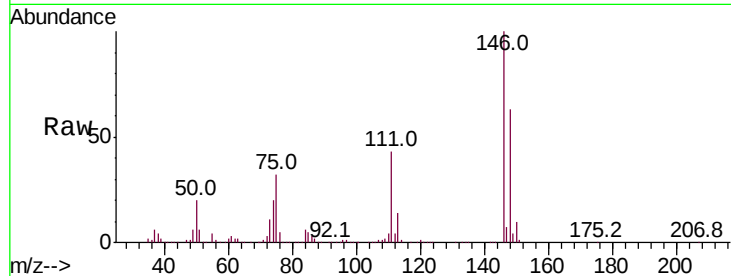




#91
 1,2-Dichlorobenzene
 Concen: 55.653 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012172.D
 Acq: 26 Aug 2019 15:05

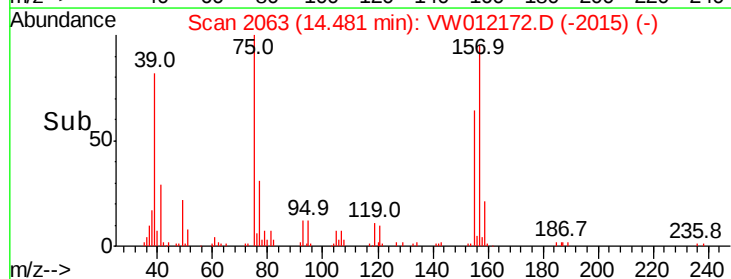
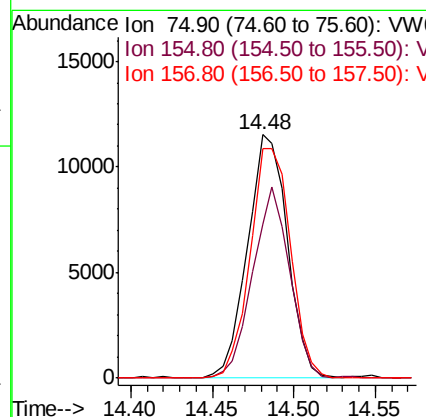
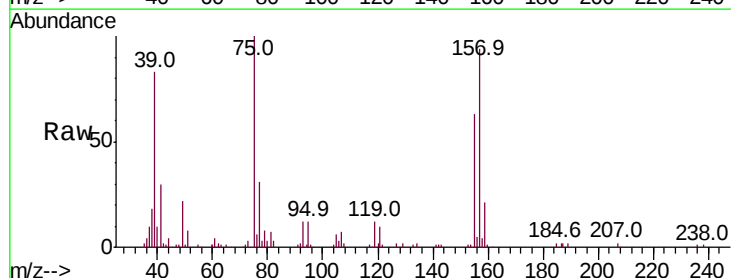
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

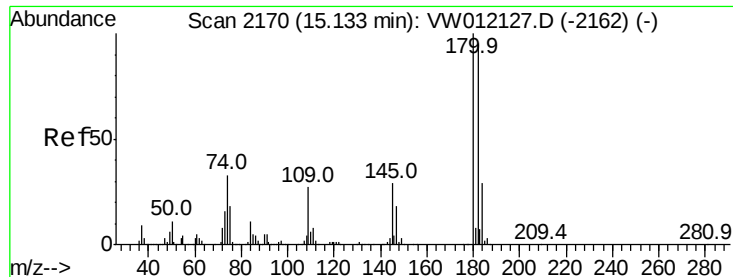
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.2	63.6
148	63.7	32.5	97.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.102 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012172.D
 Acq: 26 Aug 2019 15:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.8	37.5	112.3
157	95.9	50.5	151.5

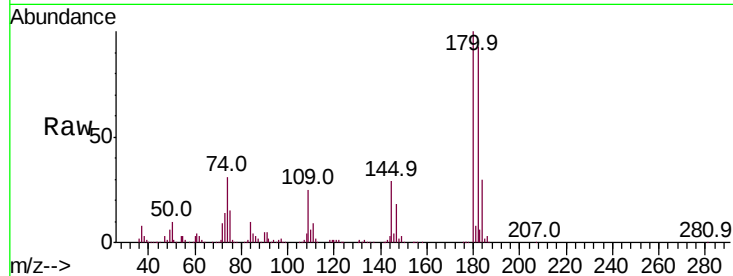




#93
 1,2,4-Trichlorobenzene
 Concen: 58.355 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012172.D
 Acq: 26 Aug 2019 15:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.8	143.4
145	30.6	15.0	45.1

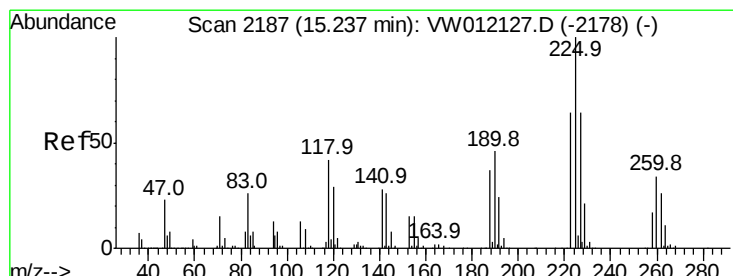
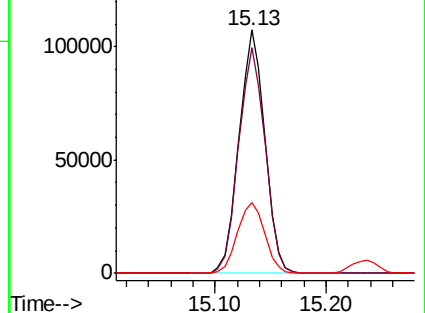
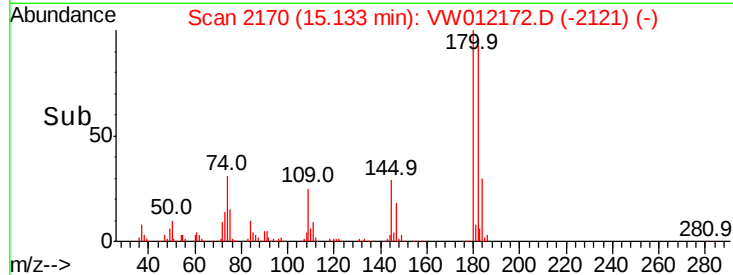


Abundance

Ion 179.80 (179.50 to 180.50): V

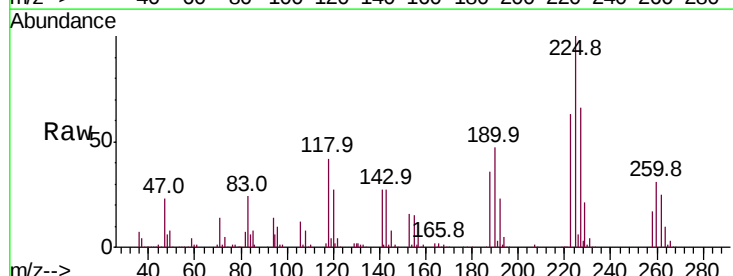
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 57.228 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012172.D
 Acq: 26 Aug 2019 15:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	32.3	96.8
227	63.9	32.9	98.6

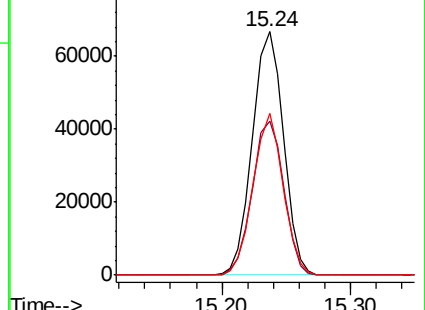
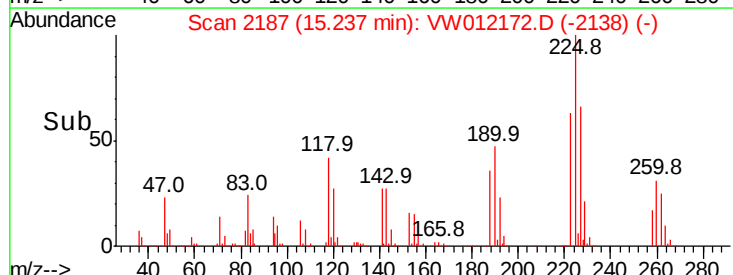


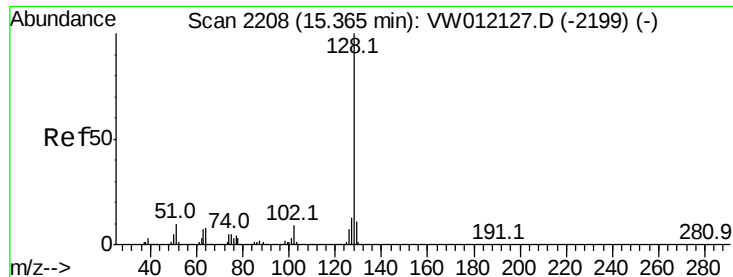
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

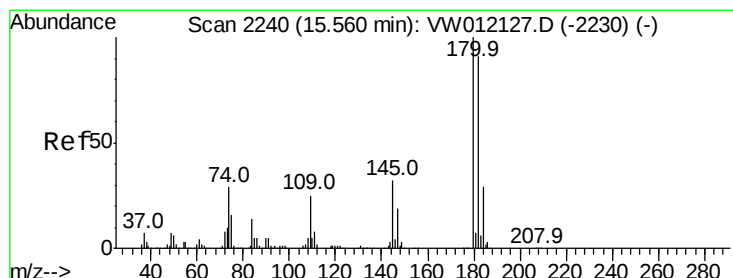
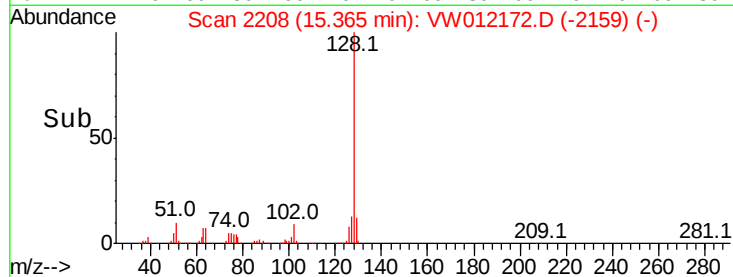
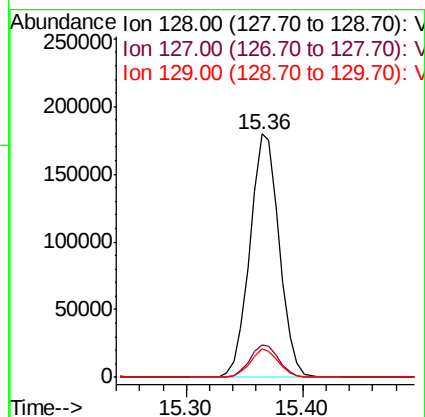
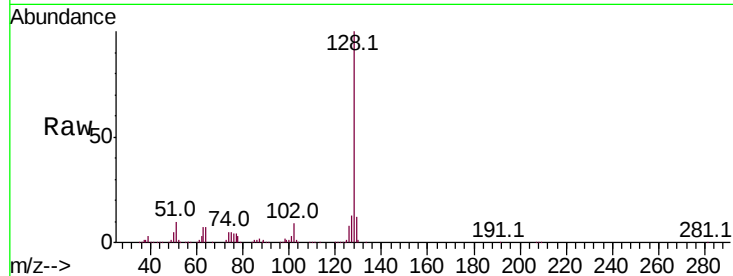




#95
Naphthalene
Concen: 54.112 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012172.D
Acq: 26 Aug 2019 15:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	11.0	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 58.331 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012172.D
Acq: 26 Aug 2019 15:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.1	141.3
145	32.0	16.2	48.5

