

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091619\
 Data File : VW013054.D
 Acq On : 16 Sep 2019 20:42
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 17 07:24:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	271493	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	406400	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	357717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	178494	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	133365	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	
35) Dibromofluoromethane	7.88	113	109789	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
50) Toluene-d8	10.32	98	430205	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
62) 4-Bromofluorobenzene	12.62	95	152730	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	48434	46.275	ug/l	97
3) Chloromethane	2.21	50	63047	48.071	ug/l	99
4) Vinyl Chloride	2.36	62	85502	43.999	ug/l	97
5) Bromomethane	2.76	94	48365	40.755	ug/l	94
6) Chloroethane	2.91	64	53844	45.177	ug/l	92
7) Trichlorofluoromethane	3.25	101	54399	40.032	ug/l	93
8) Diethyl Ether	3.68	74	57414	54.109	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	99566	48.308	ug/l	98
10) Methyl Iodide	4.27	142	123705	47.959	ug/l	98
11) Tert butyl alcohol	5.19	59	63687	388.094	ug/l	99
12) 1,1-Dichloroethene	4.04	96	88477	47.213	ug/l	98
13) Acrolein	3.89	56	62730	341.939	ug/l	100
14) Allyl chloride	4.66	41	176436	49.593	ug/l	96
15) Acrylonitrile	5.36	53	185408	342.117	ug/l	99
16) Acetone	4.12	43	166650	311.070	ug/l	99
17) Carbon Disulfide	4.38	76	158862	42.538	ug/l	99
18) Methyl Acetate	4.67	43	96798	67.760	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	214706	58.041	ug/l	95
20) Methylene Chloride	4.92	84	107257	53.289	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	94862	47.263	ug/l	93
22) Diisopropyl ether	6.31	45	418158	56.578	ug/l	99
23) Vinyl Acetate	6.25	43	1383973	312.646	ug/l	98
24) 1,1-Dichloroethane	6.21	63	218596	51.298	ug/l	99
25) 2-Butanone	7.17	43	266800	334.628	ug/l	100
26) 2,2-Dichloropropane	7.16	77	125302	45.985	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	119011	49.527	ug/l	98
28) Bromochloromethane	7.51	49	105840	59.011	ug/l	97
29) Tetrahydrofuran	7.53	42	174291	383.656	ug/l	98
30) Chloroform	7.67	83	211506	48.849	ug/l	97
31) Cyclohexane	7.95	56	174145	54.853	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	171805	48.183	ug/l	98
36) 1,1-Dichloropropene	8.08	75	154054	47.438	ug/l	98
37) Ethyl Acetate	7.25	43	113128	65.630	ug/l	99
38) Carbon Tetrachloride	8.07	117	152920	45.950	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	172986	48.611	ug/l	97
40) Benzene	8.32	78	443207	48.887	ug/l	100
41) Methacrylonitrile	7.48	41	72948	64.264	ug/l	95
42) 1,2-Dichloroethane	8.40	62	146942	48.351	ug/l	98
43) Isopropyl Acetate	8.42	43	210846	63.707	ug/l	97
44) Trichloroethene	9.09	130	114356	46.051	ug/l	93
45) 1,2-Dichloropropane	9.37	63	123415	51.238	ug/l	99
46) Dibromomethane	9.46	93	62311	53.996	ug/l	99
47) Bromodichloromethane	9.64	83	161384	49.857	ug/l	100
48) Methyl methacrylate	9.43	41	100866	64.938	ug/l	96
49) 1,4-Dioxane	9.46	88	27415	1417.779	ug/l #	75
51) 4-Methyl-2-Pentanone	10.21	43	569103	333.066	ug/l	100
52) Toluene	10.38	92	283879	49.277	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	173120	53.178	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	192935	51.797	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	97371	55.388	ug/l	98
56) Ethyl methacrylate	10.65	69	150305	63.519	ug/l	98
57) 1,3-Dichloropropane	10.93	76	171272	54.921	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	409787	322.832	ug/l	99
59) 2-Hexanone	10.96	43	388617	326.632	ug/l	100
60) Dibromochloromethane	11.13	129	109361	51.455	ug/l	98
61) 1,2-Dibromoethane	11.23	107	90574	56.478	ug/l	98
64) Tetrachloroethene	10.86	164	104598	49.151	ug/l	95
65) Chlorobenzene	11.66	112	311162	48.835	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	120013	49.150	ug/l	98
67) Ethyl Benzene	11.73	91	576062	48.952	ug/l	98
68) m/p-Xylenes	11.84	106	422312	98.236	ug/l	100
69) o-Xylene	12.16	106	189227	46.950	ug/l	100
70) Styrene	12.18	104	337179	47.029	ug/l	99
71) Bromoform	12.35	173	67693	52.779	ug/l #	98
73) Isopropylbenzene	12.46	105	565662	47.812	ug/l	99
74) N-amyl acetate	12.27	43	185168	60.842	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	123976	59.662	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	160159	102.438	ug/l #	100
77) Bromobenzene	12.74	156	132582	48.644	ug/l	98
78) n-propylbenzene	12.80	91	666747	47.909	ug/l	100
79) 2-Chlorotoluene	12.89	91	378504	47.312	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	479699	47.926	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	40479	58.732	ug/l	97
82) 4-Chlorotoluene	12.99	91	397697	47.114	ug/l	100
83) tert-Butylbenzene	13.21	119	447302	49.962	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	482527	48.786	ug/l	98
85) sec-Butylbenzene	13.38	105	611090	50.099	ug/l	99
86) p-Isopropyltoluene	13.49	119	552309	49.318	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	255286	47.314	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	259195	48.884	ug/l	100
89) n-Butylbenzene	13.82	91	523444	49.562	ug/l	100
90) Hexachloroethane	14.09	117	98762	49.212	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	239861	50.552	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	24587	64.641	ug/l	98

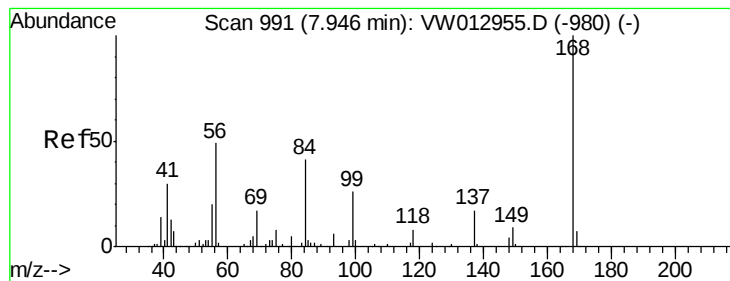
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW091619\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	174181	51.474	ug/l	100
94) Hexachlorobutadiene	15.23	225	117190	48.921	ug/l	98
95) Naphthalene	15.36	128	377402	66.749	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	160173	53.547	ug/l	99

(#) = 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: VW013054.D

Acq: 16 Sep 2019 20:42

Instrument :

MSVOA_W

ClientSampleId :

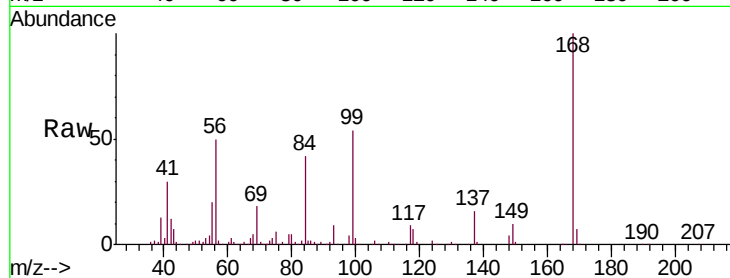
VSTDCCC050EC

Tgt Ion:168 Resp: 271493

Ion Ratio Lower Upper

168 100

99 53.9 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

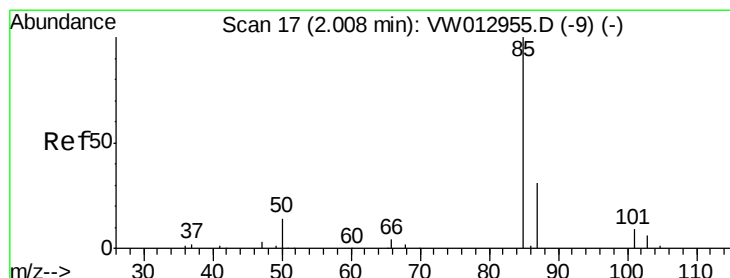
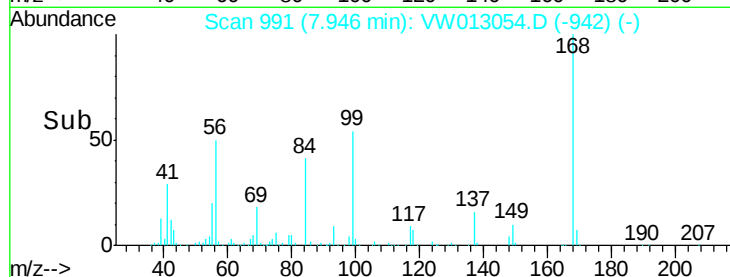
7.95

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 46.275 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW013054.D

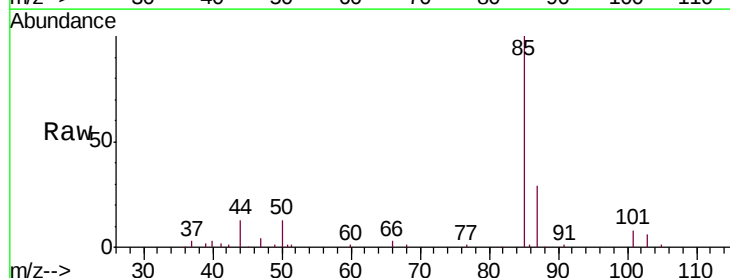
Acq: 16 Sep 2019 20:42

Tgt Ion: 85 Resp: 48434

Ion Ratio Lower Upper

85 100

87 29.0 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

20000

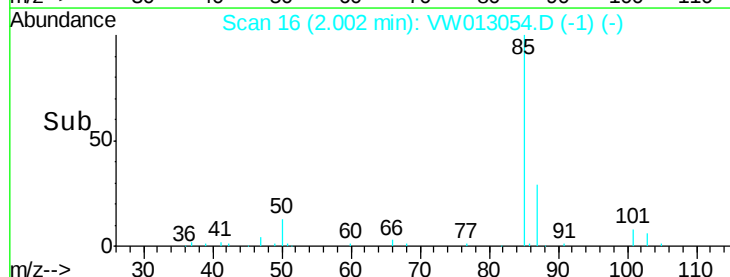
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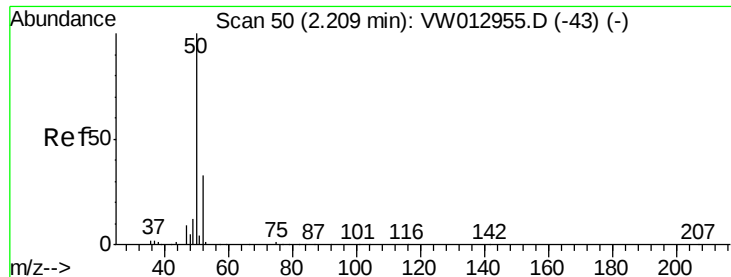
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 48.071 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Instrument :

MSVOA_W

ClientSampleId :

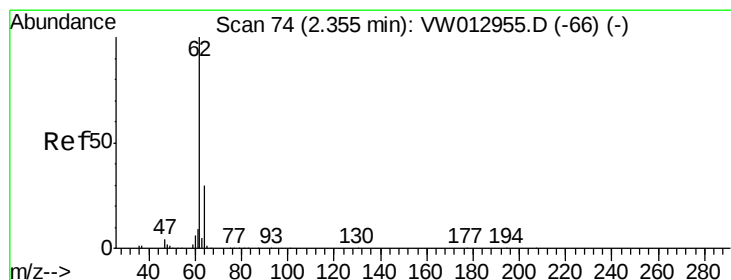
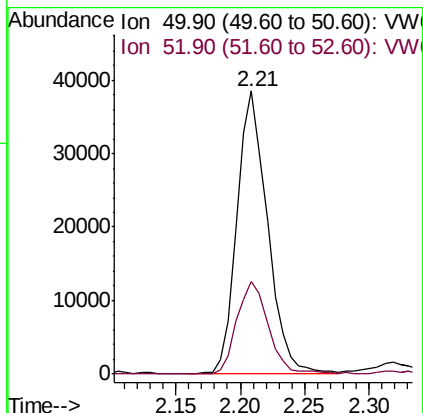
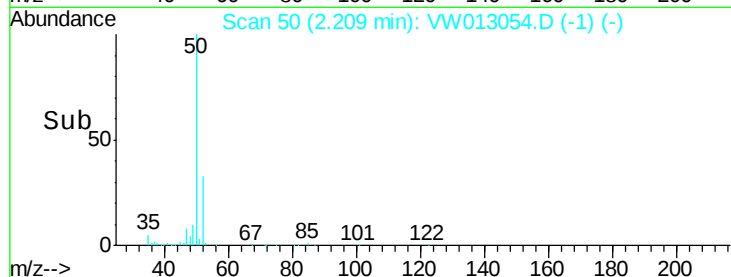
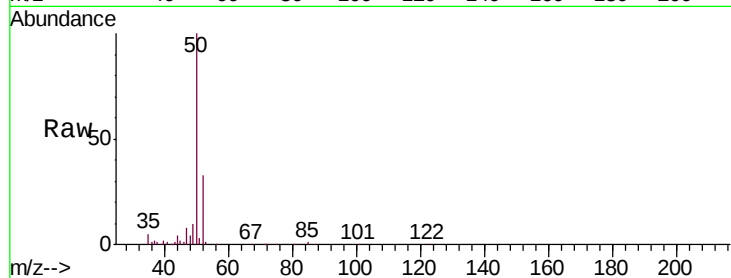
VSTDCCC050EC

Tgt Ion: 50 Resp: 63047

Ion Ratio Lower Upper

50 100

52 32.6 26.6 39.8



#4

Vinyl Chloride

Concen: 43.999 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW013054.D

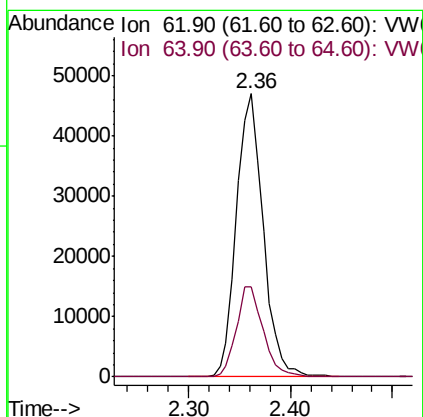
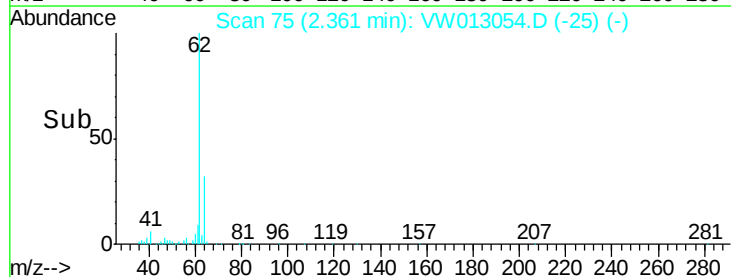
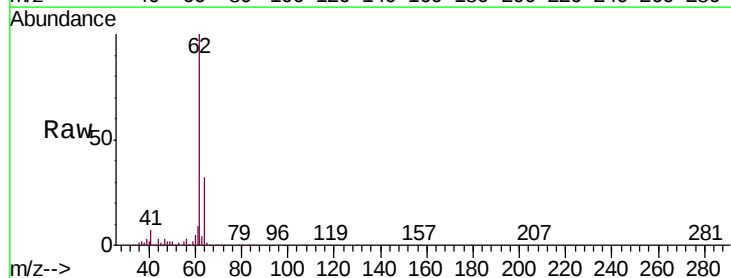
Acq: 16 Sep 2019 20:42

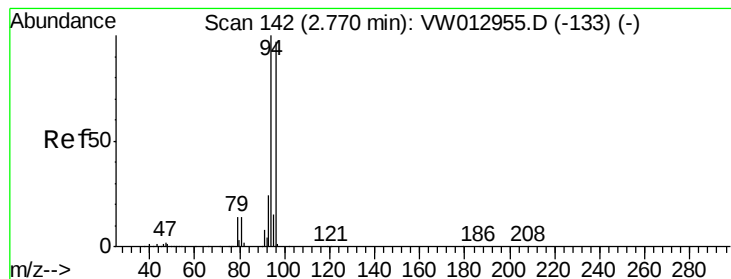
Tgt Ion: 62 Resp: 85502

Ion Ratio Lower Upper

62 100

64 31.8 24.2 36.4





#5

Bromomethane

Concen: 40.755 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Instrument :

MSVOA_W

ClientSampleId :

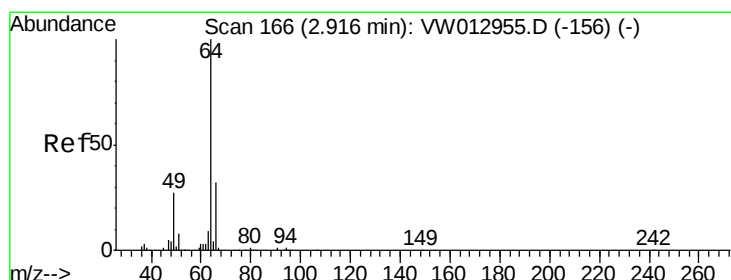
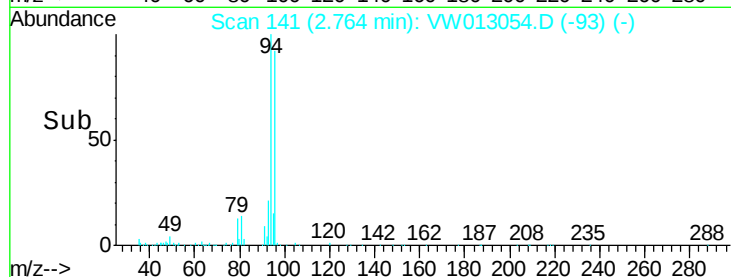
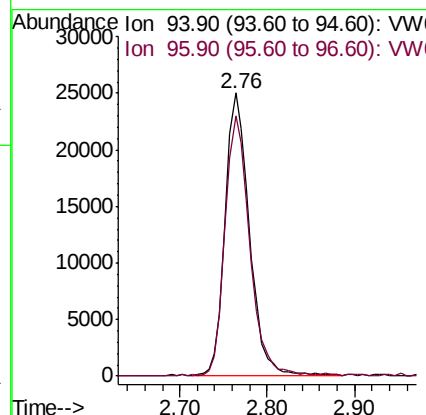
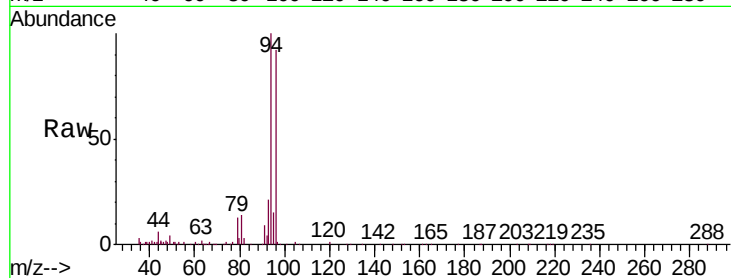
VSTDCCC050EC

Tgt Ion: 94 Resp: 48365

Ion Ratio Lower Upper

94 100

96 91.6 77.8 116.6



#6

Chloroethane

Concen: 45.177 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013054.D

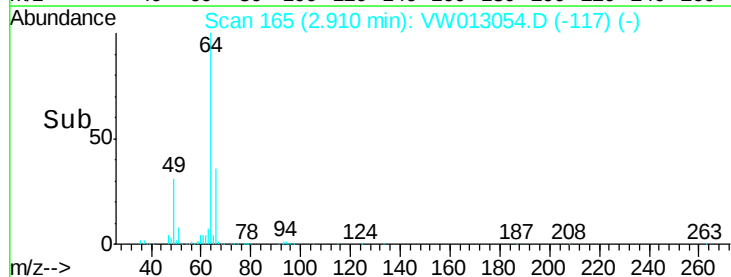
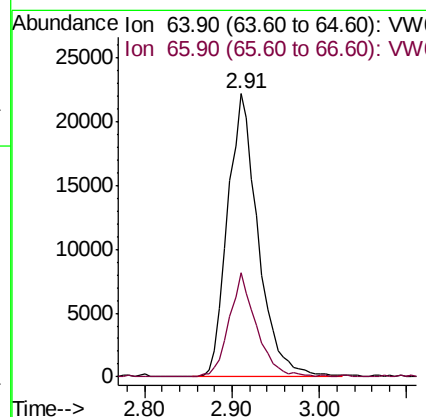
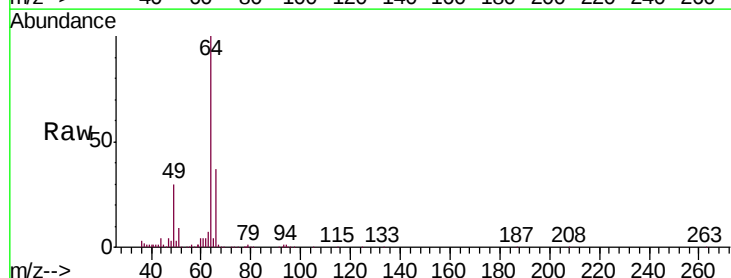
Acq: 16 Sep 2019 20:42

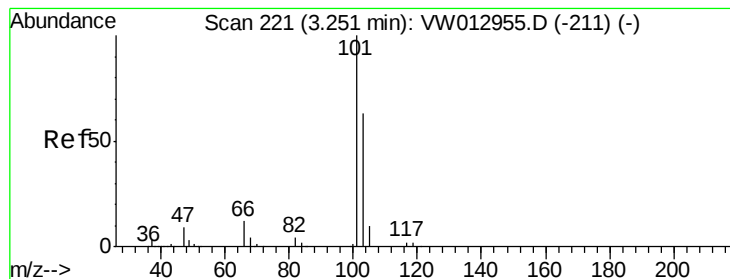
Tgt Ion: 64 Resp: 53844

Ion Ratio Lower Upper

64 100

66 36.7 25.9 38.9



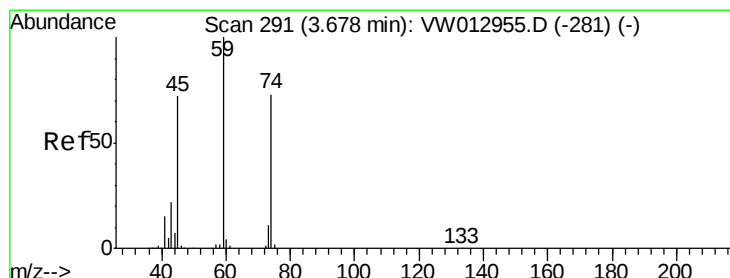
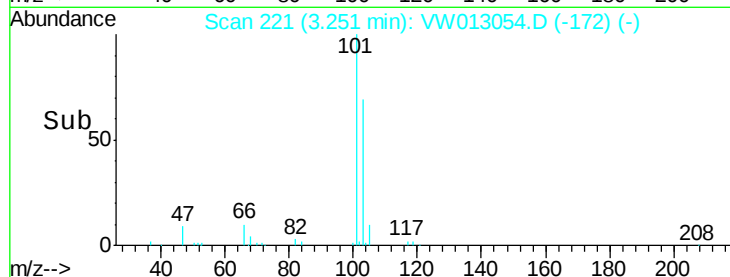
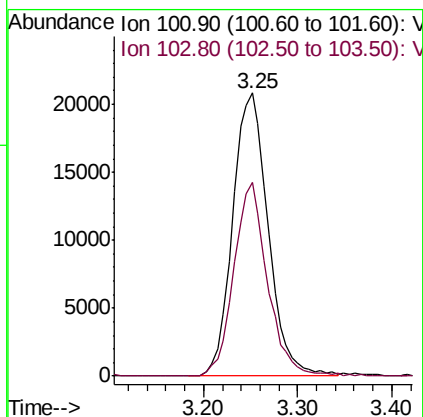
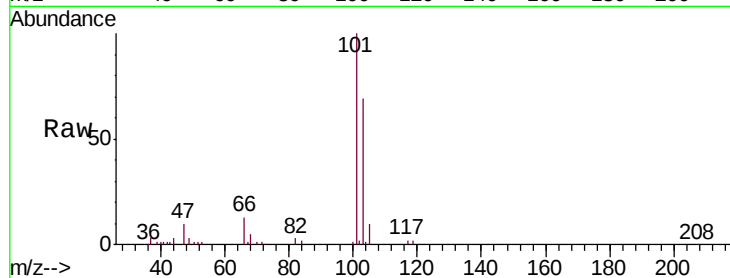


#7

Trichlorofluoromethane
 Concen: 40.032 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VW013054.D
 Acq: 16 Sep 2019 20:42

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 VSTDCCC050EC

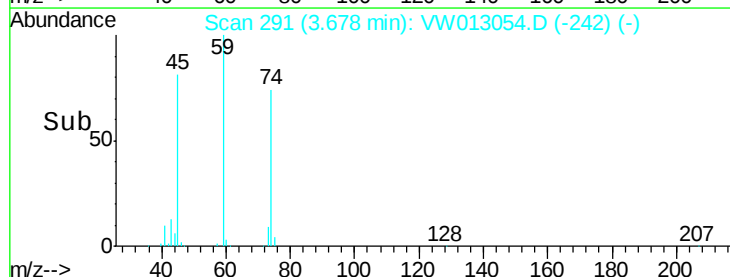
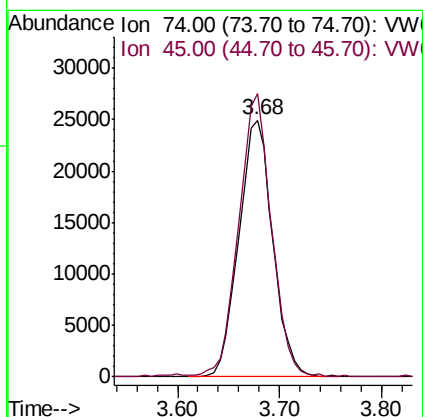
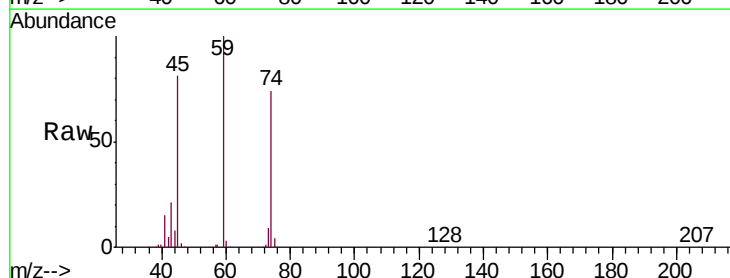
Tgt Ion:101 Resp: 54399
 Ion Ratio Lower Upper
 101 100
 103 68.6 50.7 76.1

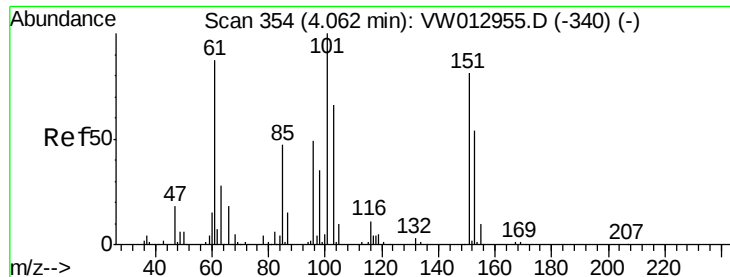


#8

Diethyl Ether
 Concen: 54.109 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW013054.D
 Acq: 16 Sep 2019 20:42

Tgt Ion: 74 Resp: 57414
 Ion Ratio Lower Upper
 74 100
 45 105.8 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.308 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

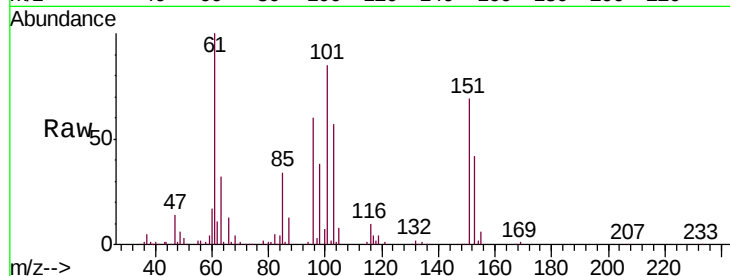
Tgt Ion:101 Resp: 99566

Ion Ratio Lower Upper

101 100

85 42.6 34.9 52.3

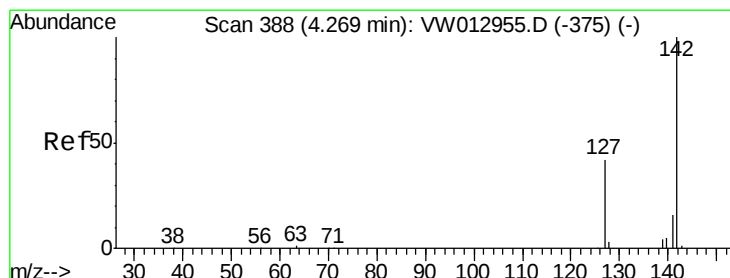
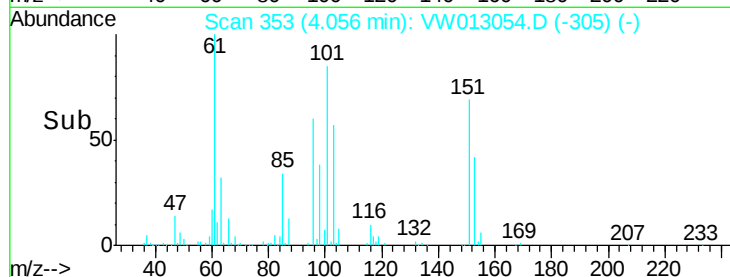
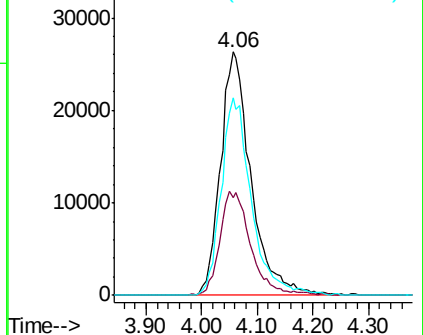
151 80.7 66.0 99.0



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: 47.959 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

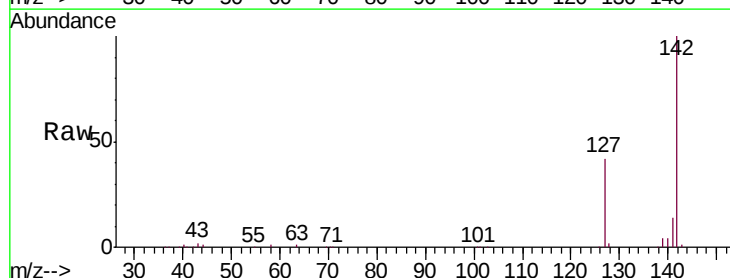
Tgt Ion:142 Resp: 123705

Ion Ratio Lower Upper

142 100

127 42.1 34.7 52.1

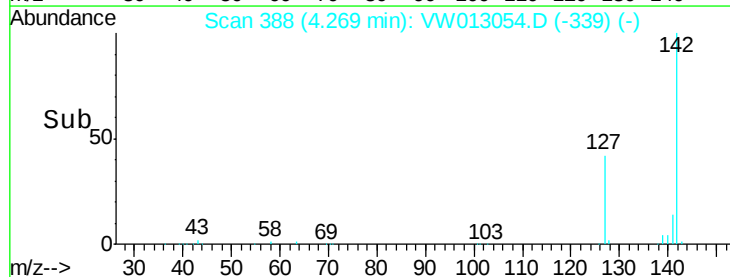
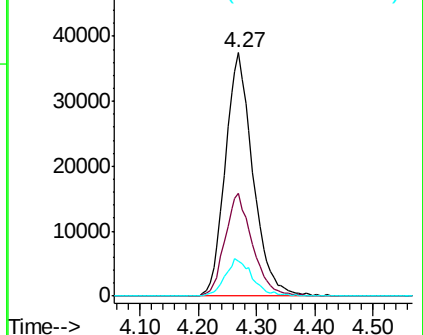
141 15.2 12.2 18.2

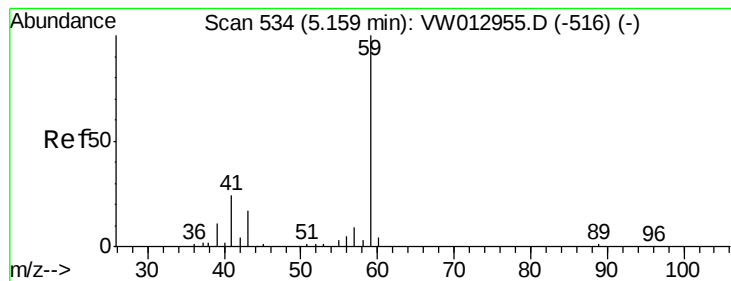


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 388.094 ug/l

RT: 5.19 min Scan# 539

Delta R.T. 0.03 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Instrument :

MSVOA_W

ClientSampleId :

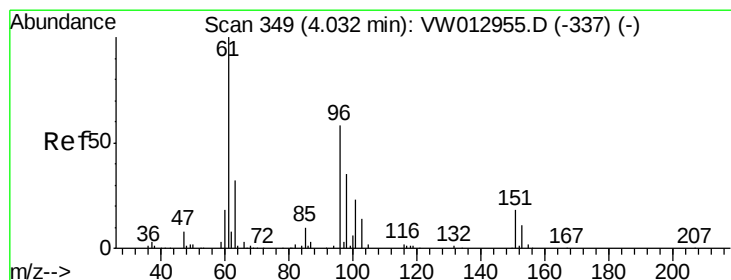
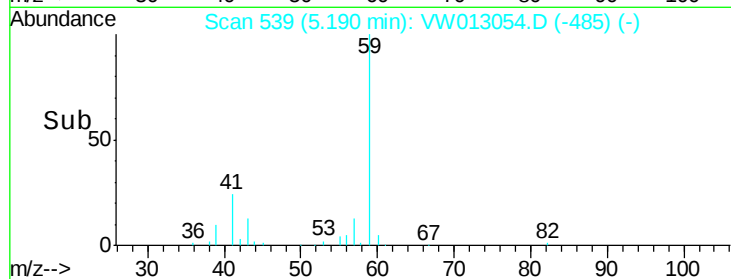
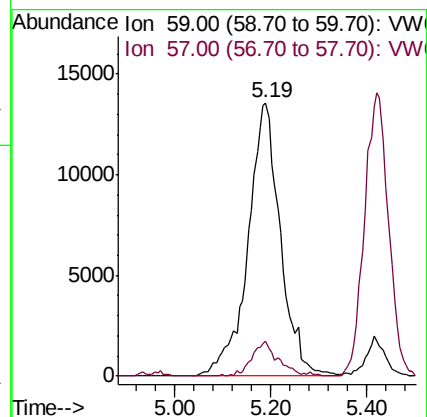
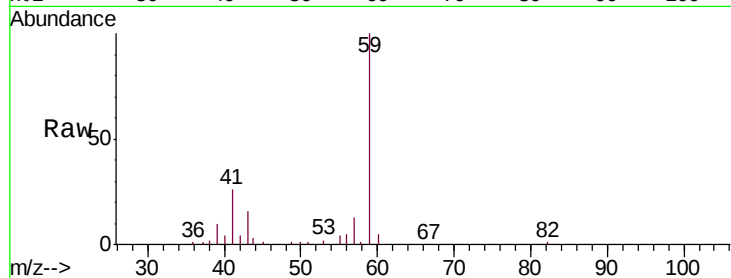
VSTDCCC050EC

Tgt Ion: 59 Resp: 63687

Ion Ratio Lower Upper

59 100

57 10.1 8.5 12.7



#12

1,1-Dichloroethene

Concen: 47.213 ug/l

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

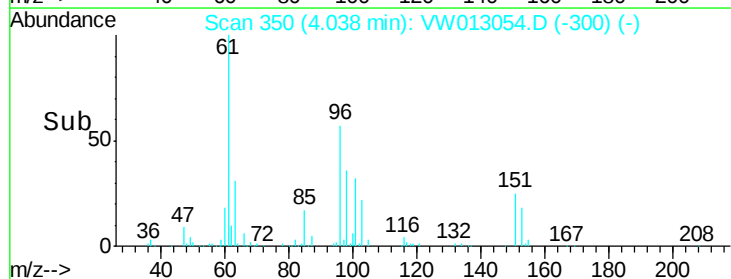
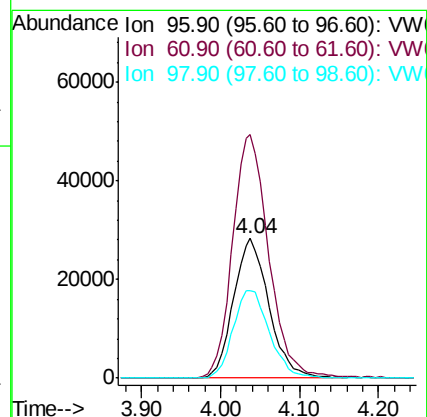
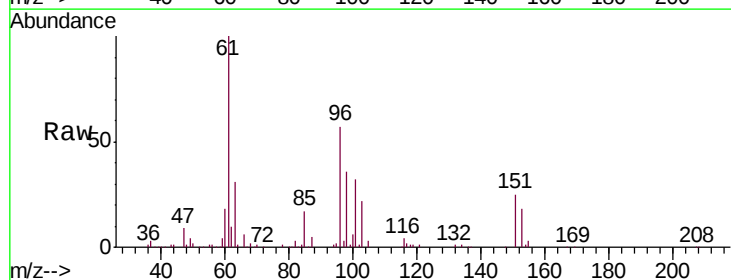
Tgt Ion: 96 Resp: 88477

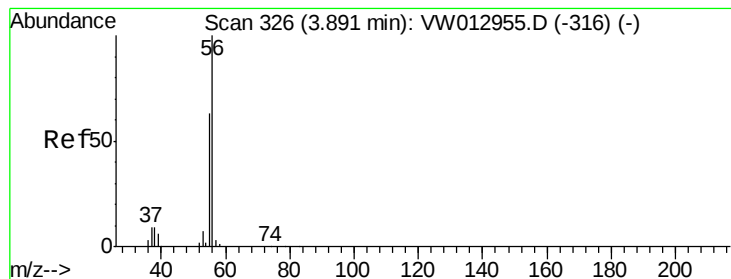
Ion Ratio Lower Upper

96 100

61 174.6 137.9 206.9

98 62.6 48.9 73.3





#13

Acrolein

Concen: 341.939 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Instrument :

MSVOA_W

ClientSampleId :

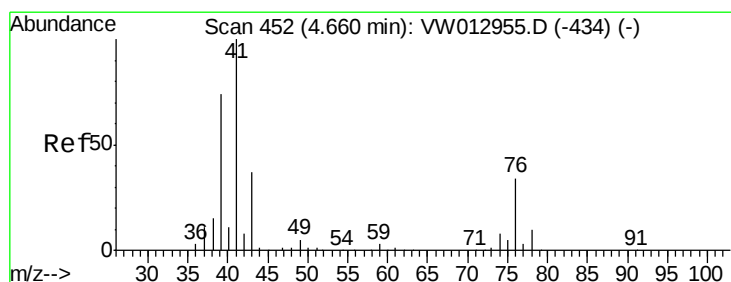
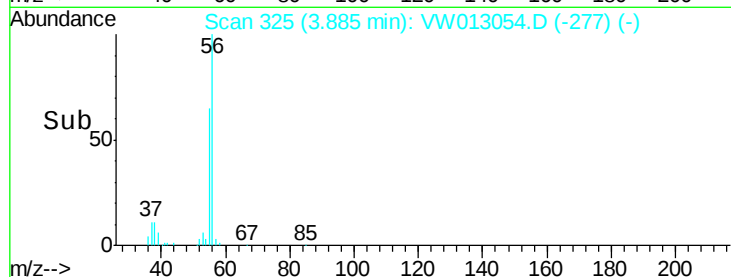
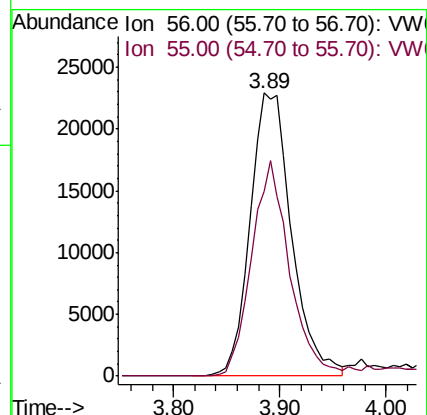
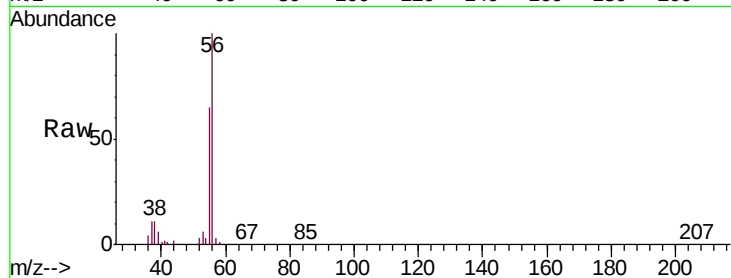
VSTDCCC050EC

Tgt Ion: 56 Resp: 62730

Ion Ratio Lower Upper

56 100

55 69.5 55.8 83.8



#14

Allyl chloride

Concen: 49.593 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

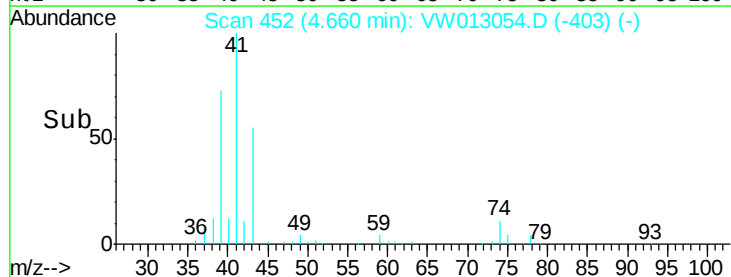
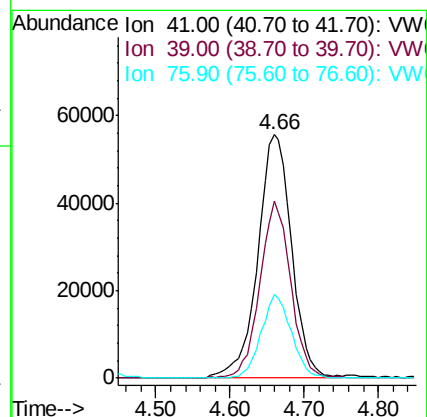
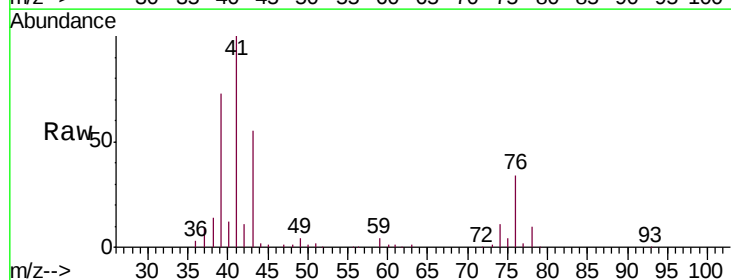
Tgt Ion: 41 Resp: 176436

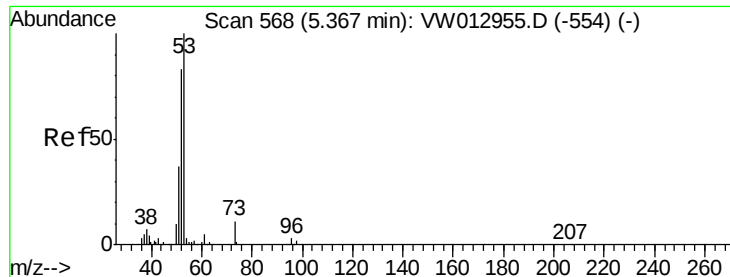
Ion Ratio Lower Upper

41 100

39 66.7 56.7 85.1

76 30.7 25.1 37.7





#15

Acrylonitrile

Concen: 342.117 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

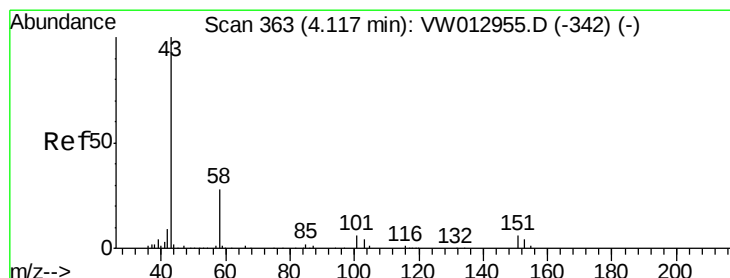
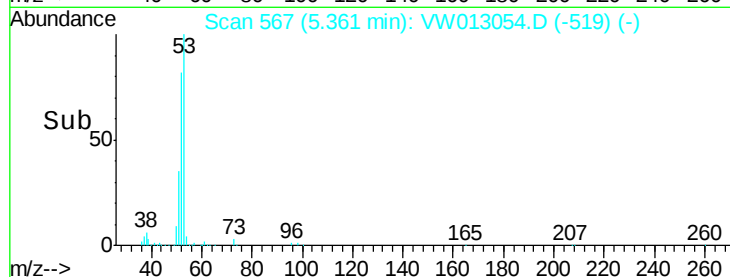
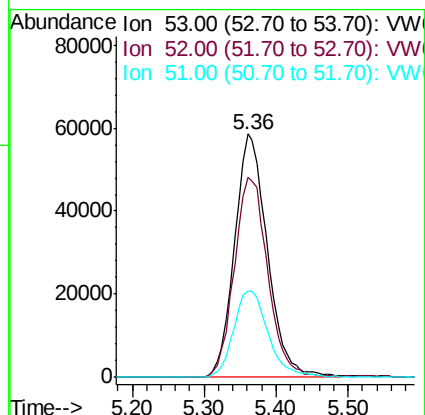
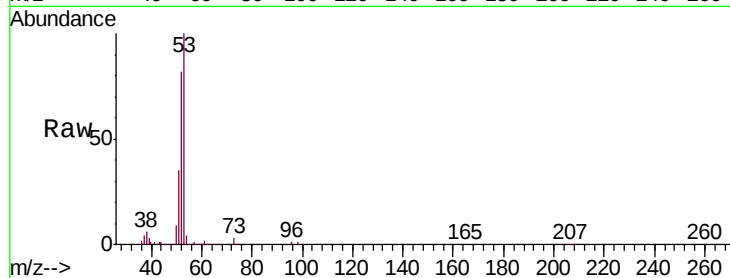
Tgt Ion: 53 Resp: 185408

Ion Ratio Lower Upper

53 100

52 83.8 66.6 100.0

51 37.6 29.8 44.8



#16

Acetone

Concen: 311.070 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW013054.D

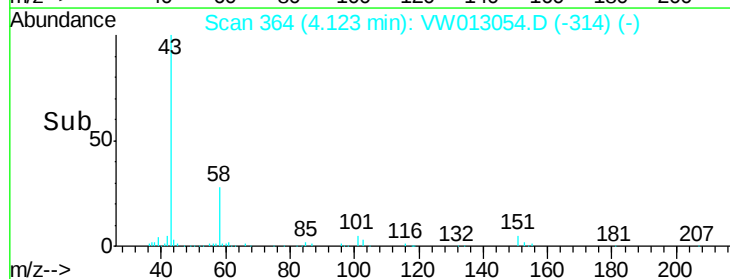
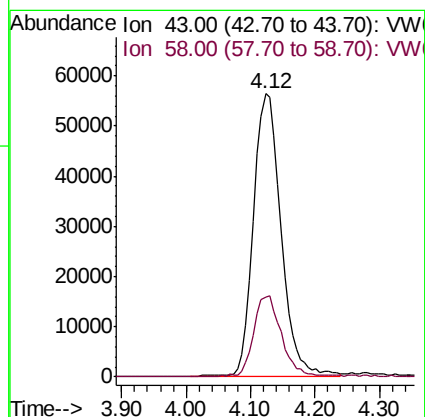
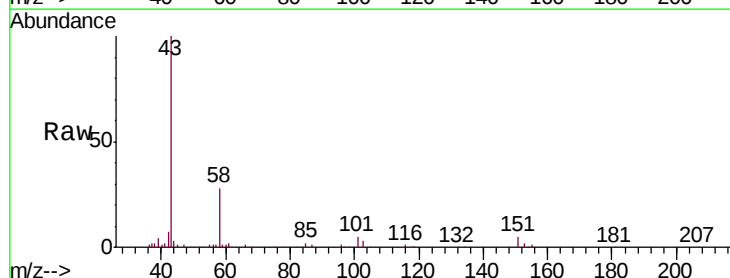
Acq: 16 Sep 2019 20:42

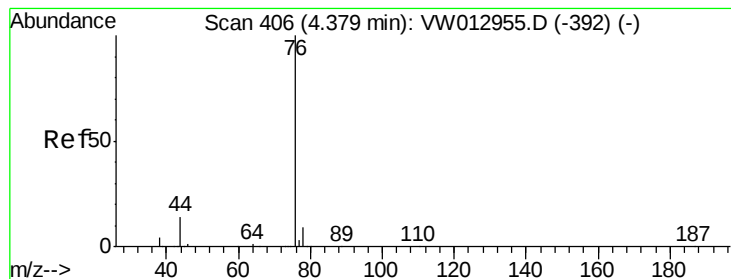
Tgt Ion: 43 Resp: 166650

Ion Ratio Lower Upper

43 100

58 28.2 22.3 33.5





#17

Carbon Disulfide

Concen: 42.538 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Instrument :

MSVOA_W

ClientSampleId :

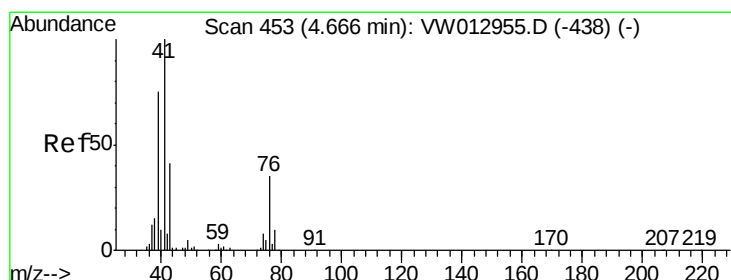
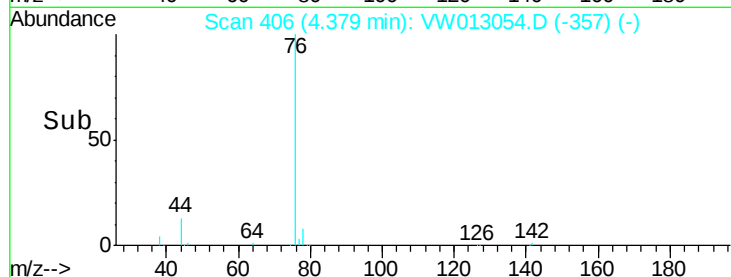
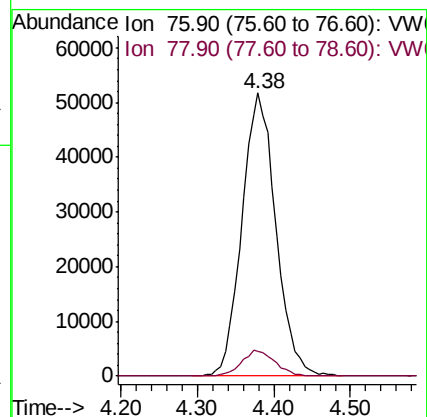
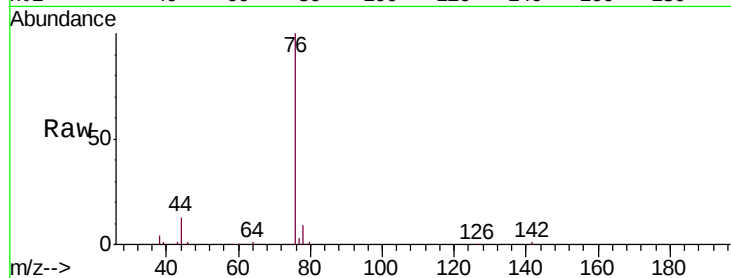
VSTDCCC050EC

Tgt Ion: 76 Resp: 158862

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.4



#18

Methyl Acetate

Concen: 67.760 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW013054.D

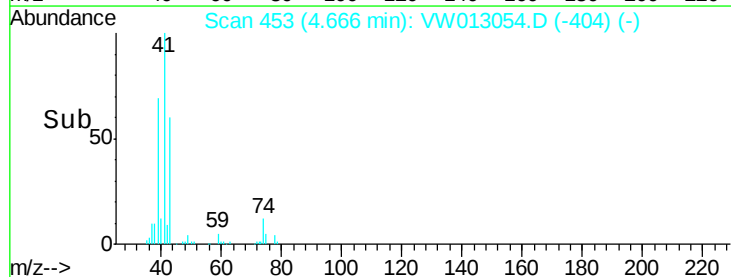
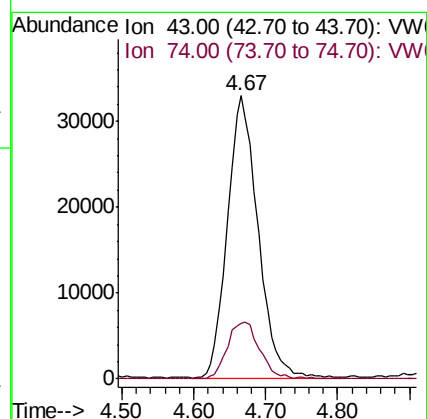
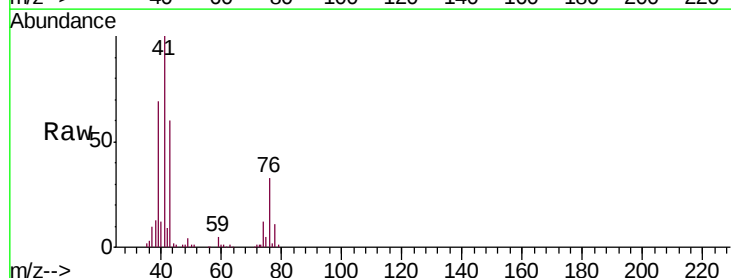
Acq: 16 Sep 2019 20:42

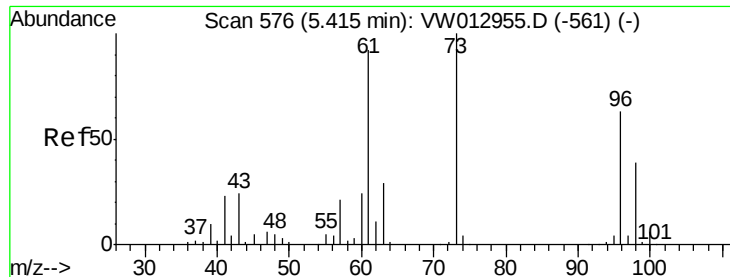
Tgt Ion: 43 Resp: 96798

Ion Ratio Lower Upper

43 100

74 21.1 17.8 26.8

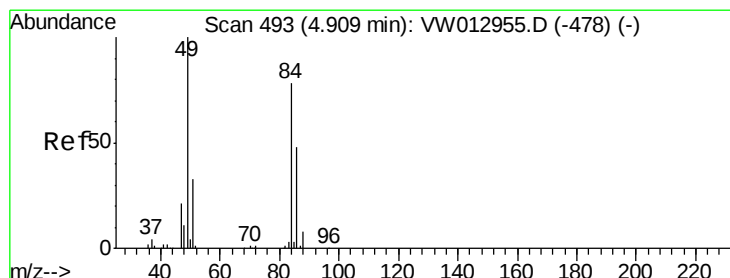
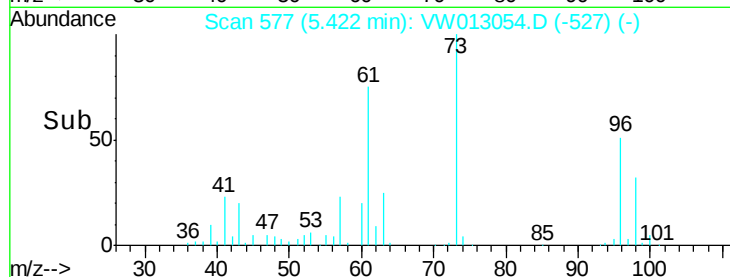
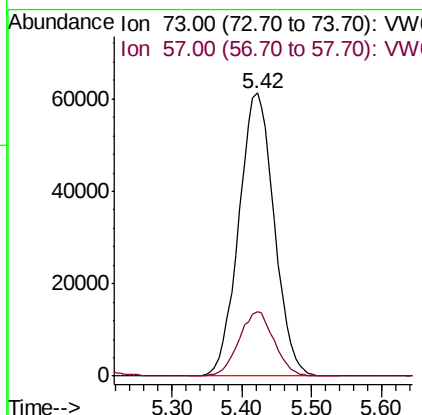
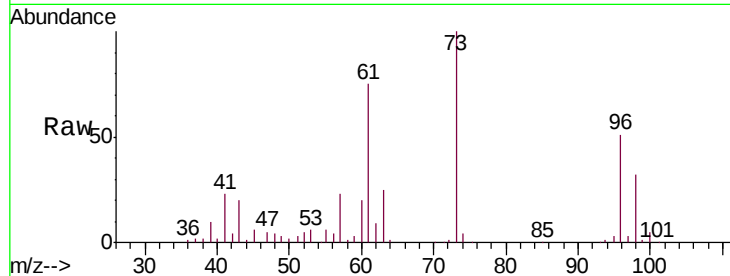




#19
Methyl tert-butyl Ether
Concen: 58.041 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

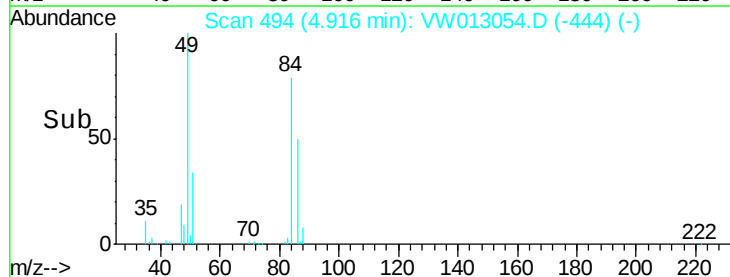
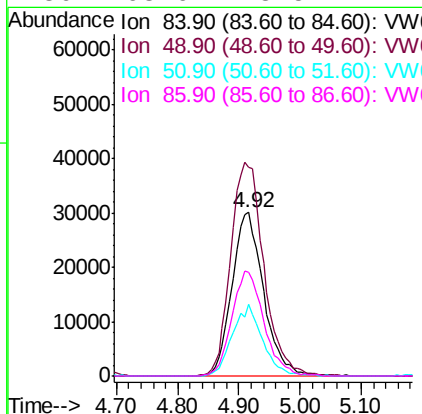
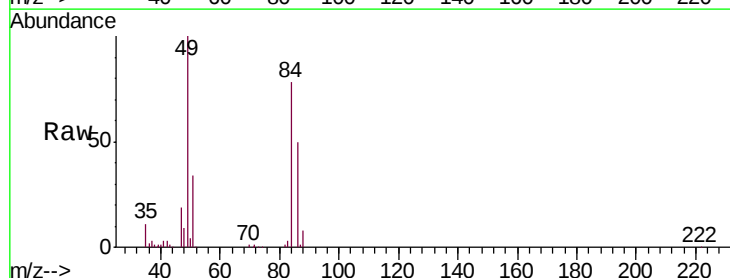
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

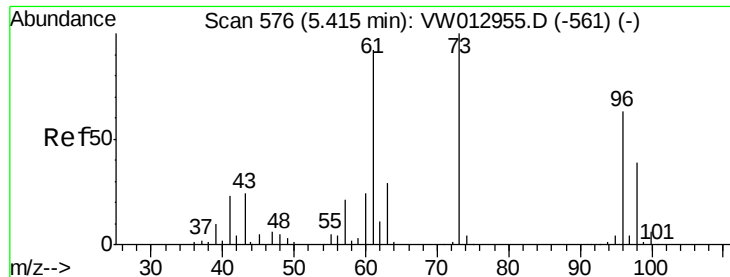
Tgt Ion: 73 Resp: 214706
Ion Ratio Lower Upper
73 100
57 23.0 16.4 24.6



#20
Methylene Chloride
Concen: 53.289 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Tgt Ion: 84 Resp: 107257
Ion Ratio Lower Upper
84 100
49 127.7 102.0 153.0
51 43.7 34.0 51.0
86 63.6 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 47.263 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

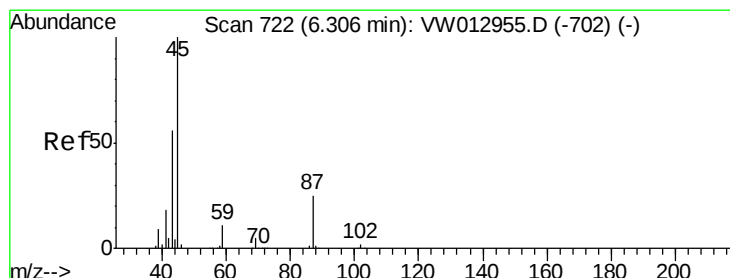
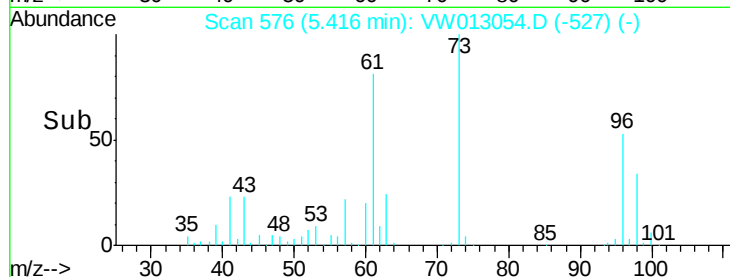
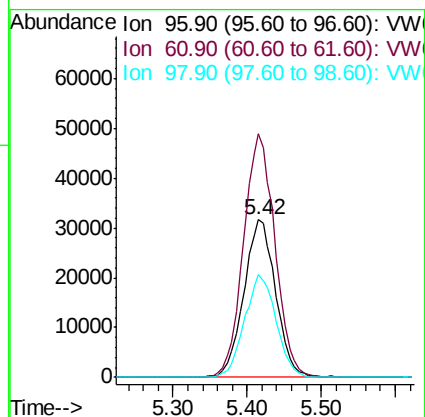
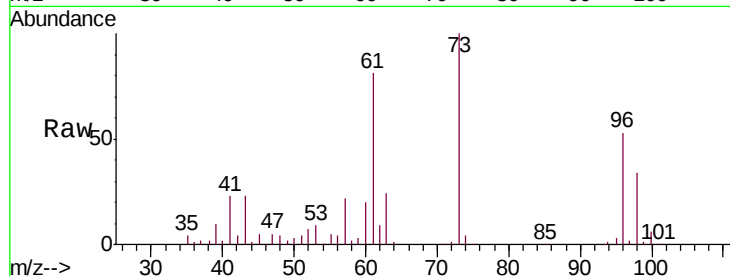
Tgt Ion: 96 Resp: 94862

Ion Ratio Lower Upper

96 100

61 154.5 116.2 174.2

98 65.5 49.8 74.6



#22

Diisopropyl ether

Concen: 56.578 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Tgt Ion: 45 Resp: 418158

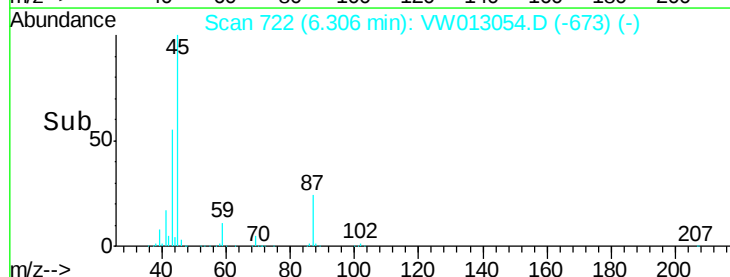
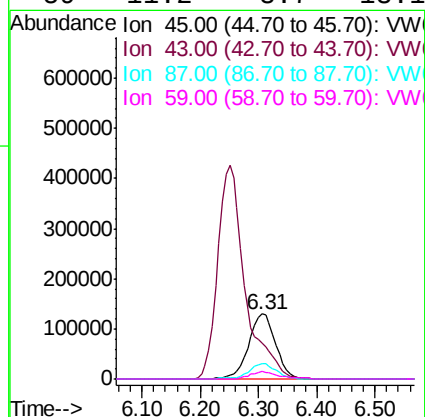
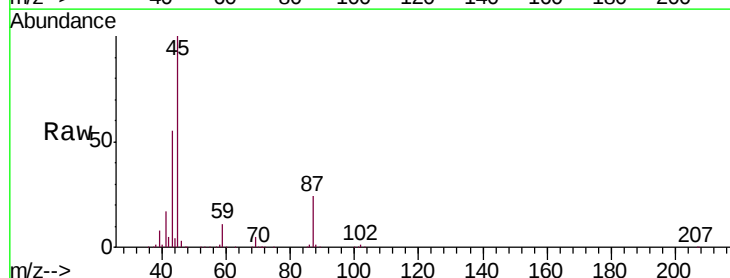
Ion Ratio Lower Upper

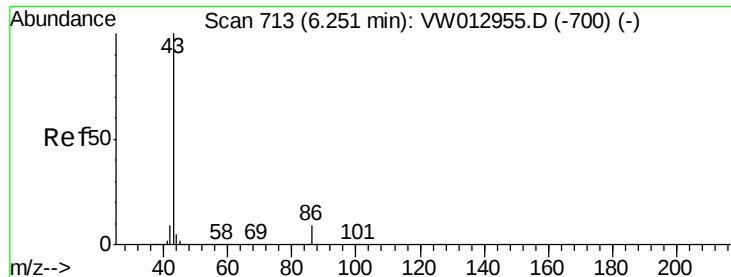
45 100

43 55.1 44.6 67.0

87 23.6 20.0 30.0

59 11.2 8.7 13.1





#23

Vinyl Acetate

Concen: 312.646 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Instrument :

MSVOA_W

ClientSampleId :

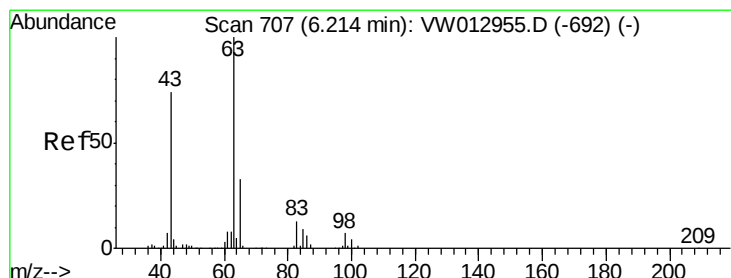
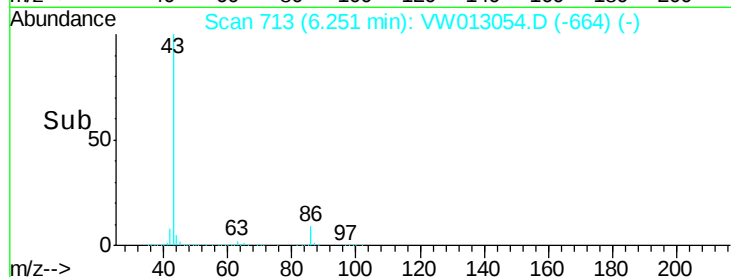
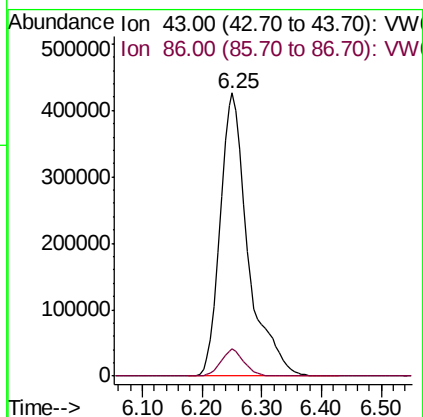
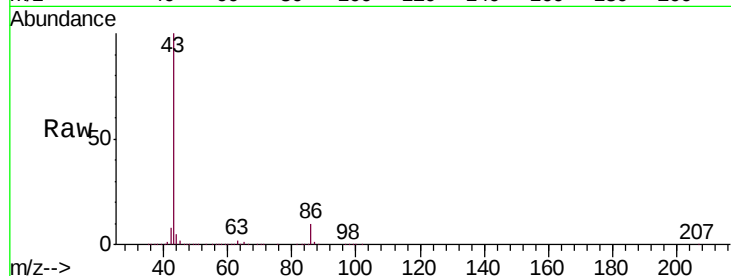
VSTDCCC050EC

Tgt Ion: 43 Resp: 1383973

Ion Ratio Lower Upper

43 100

86 9.5 7.0 10.6



#24

1,1-Dichloroethane

Concen: 51.298 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

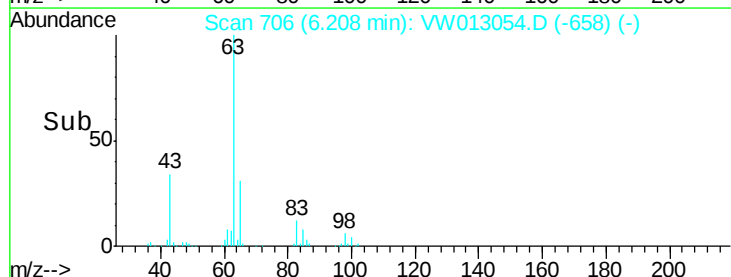
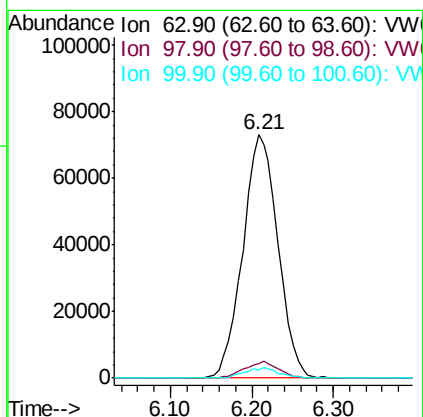
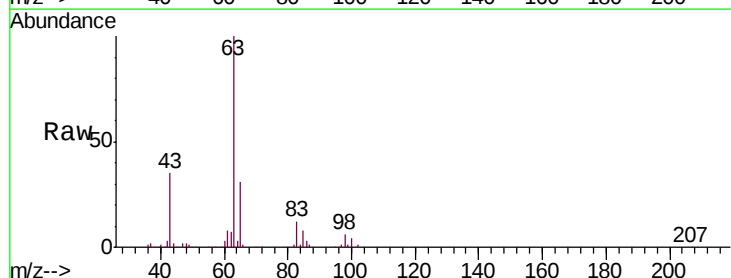
Tgt Ion: 63 Resp: 218596

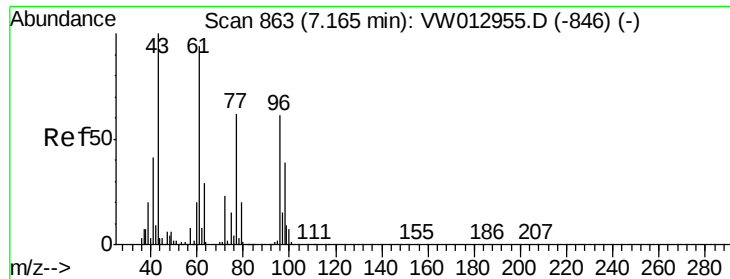
Ion Ratio Lower Upper

63 100

98 6.1 3.3 9.9

100 3.6 1.8 5.5





#25

2-Butanone

Concen: 334.628 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Instrument :

MSVOA_W

ClientSampleId :

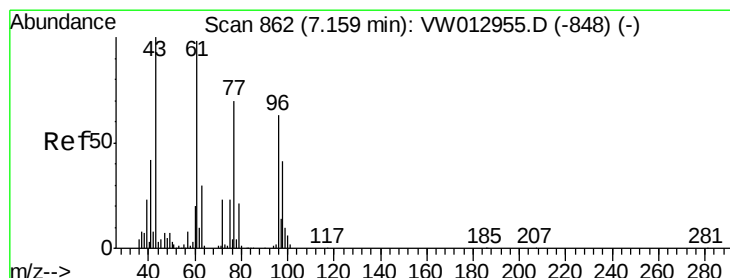
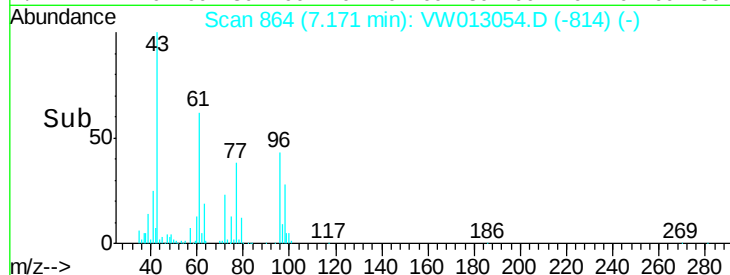
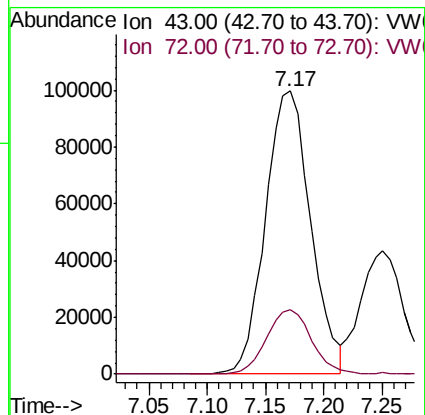
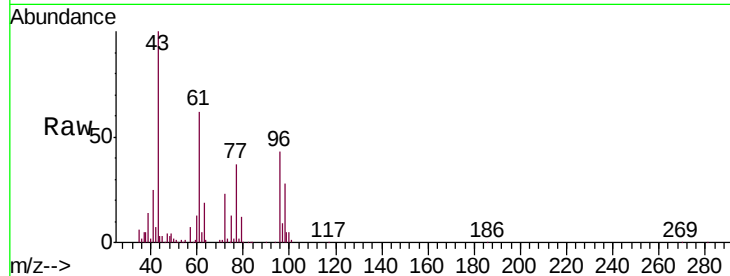
VSTDCCC050EC

Tgt Ion: 43 Resp: 266800

Ion Ratio Lower Upper

43 100

72 23.0 18.2 27.4



#26

2,2-Dichloropropane

Concen: 45.985 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW013054.D

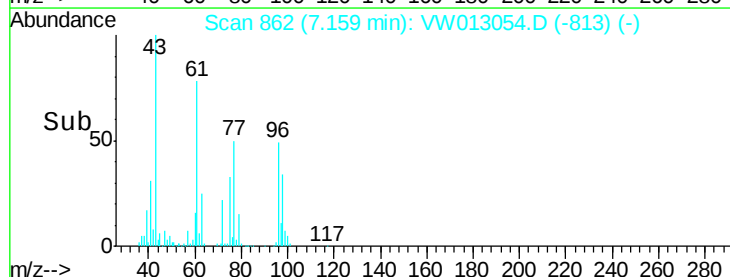
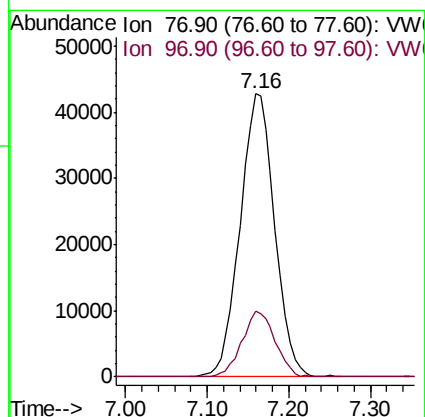
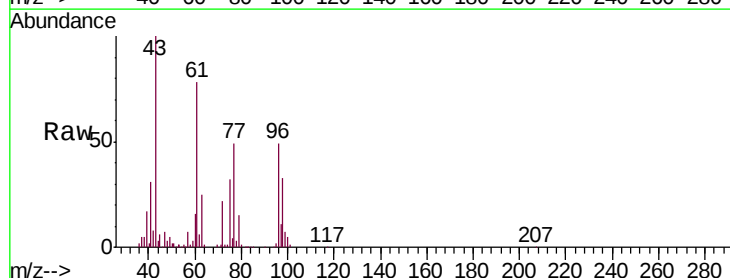
Acq: 16 Sep 2019 20:42

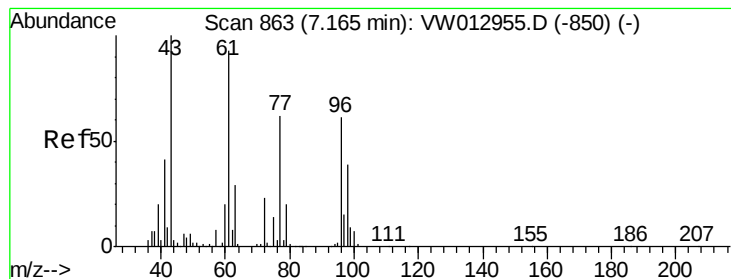
Tgt Ion: 77 Resp: 125302

Ion Ratio Lower Upper

77 100

97 22.3 10.7 32.1





#27

cis-1,2-Dichloroethene

Concen: 49.527 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

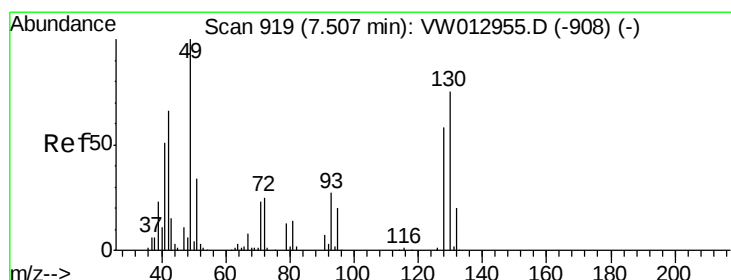
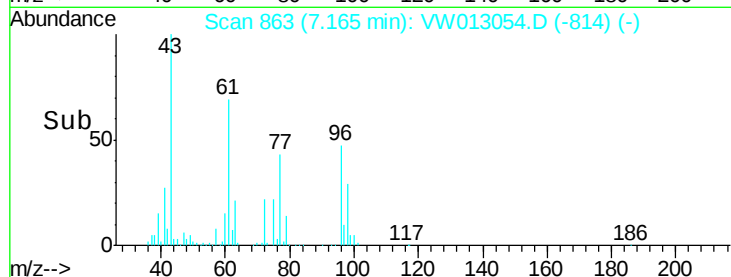
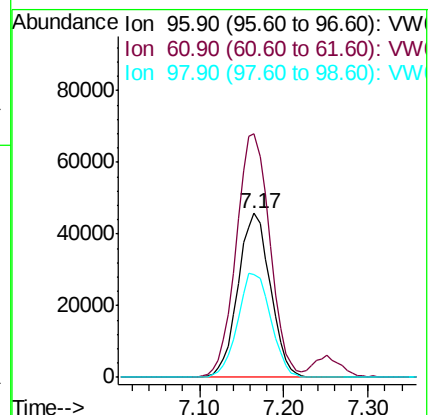
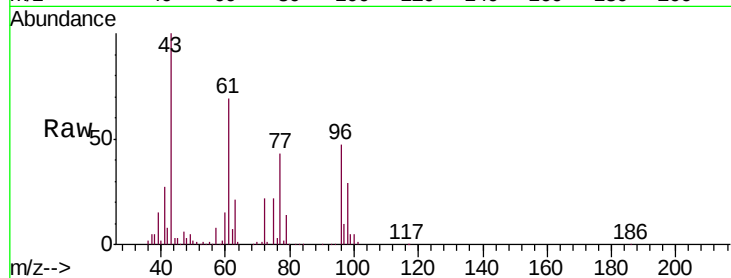
Tgt Ion: 96 Resp: 119011

Ion Ratio Lower Upper

96 100

61 154.5 0.0 315.4

98 64.7 0.0 131.0



#28

Bromochloromethane

Concen: 59.011 ug/l

RT: 7.51 min Scan# 919

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

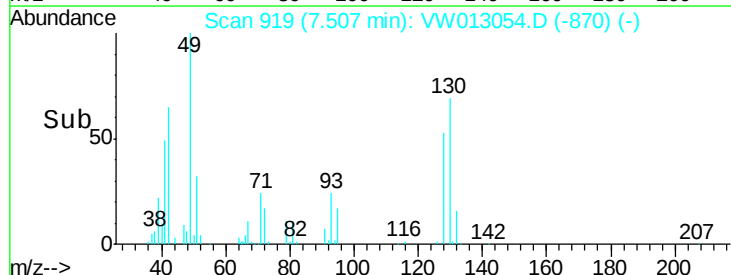
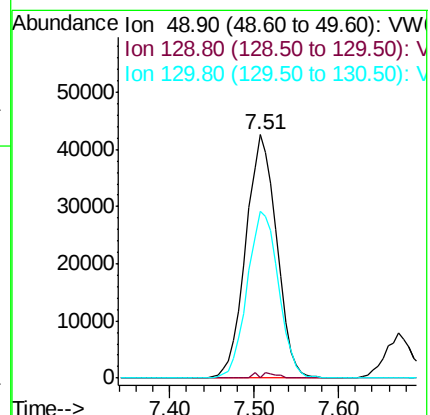
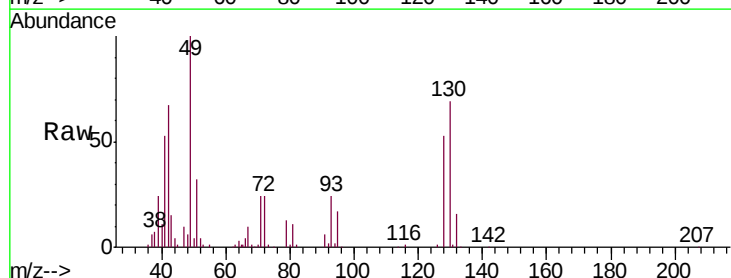
Tgt Ion: 49 Resp: 105840

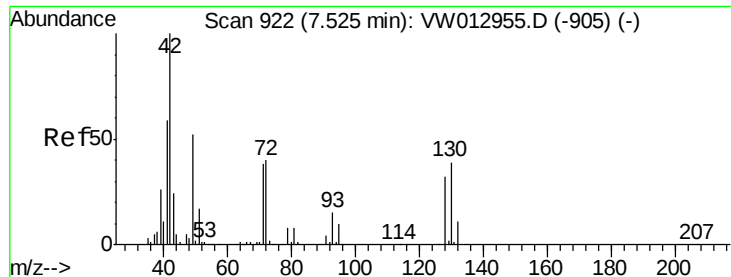
Ion Ratio Lower Upper

49 100

129 0.3 0.0 1.4

130 69.6 57.8 86.6

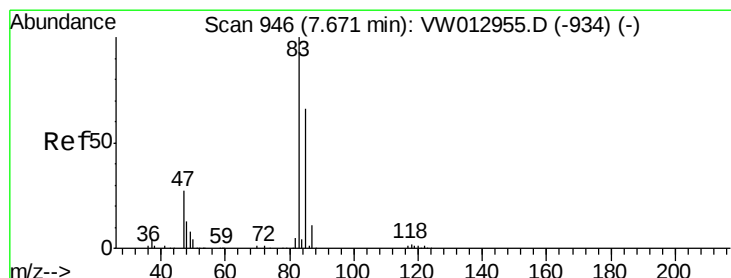
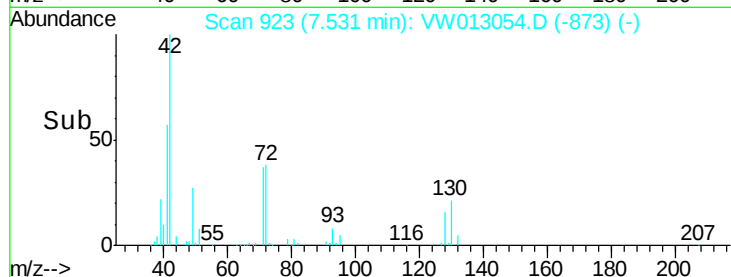
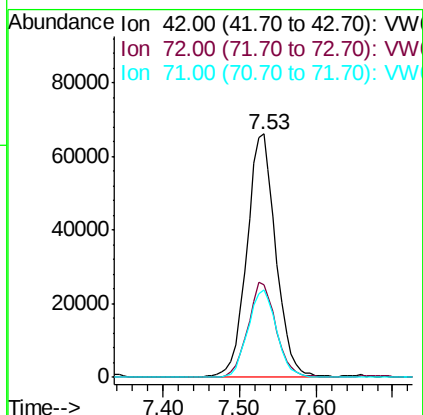
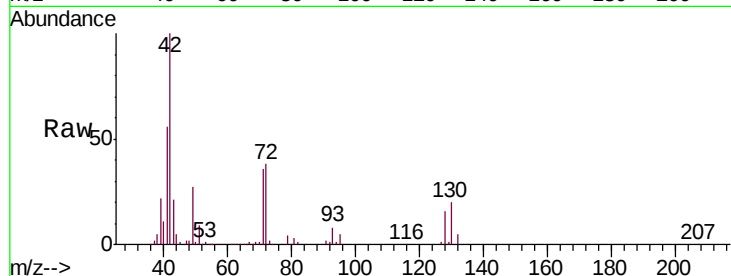




#29
Tetrahydrofuran
Concen: 383.656 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

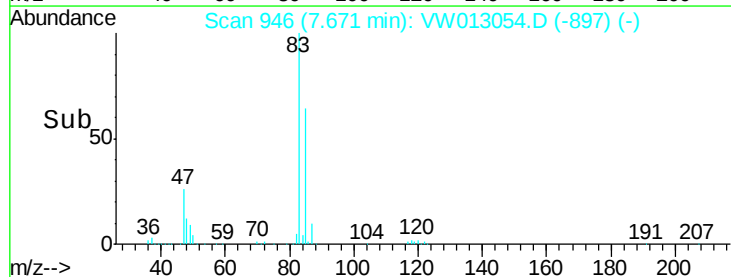
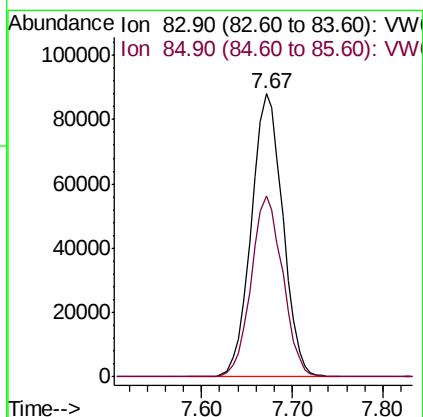
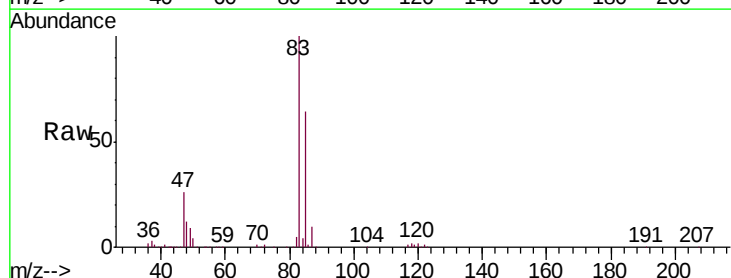
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

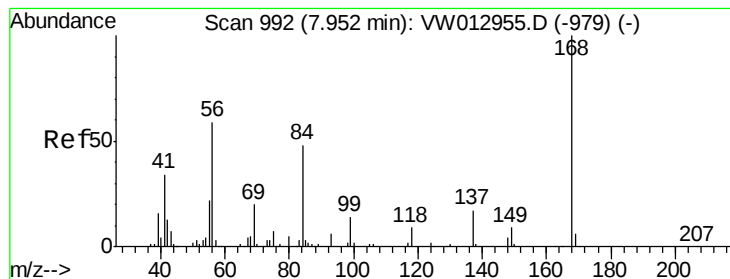
Tgt Ion: 42 Resp: 174291
Ion Ratio Lower Upper
42 100
72 37.8 31.4 47.0
71 35.9 29.8 44.8



#30
Chloroform
Concen: 48.849 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Tgt Ion: 83 Resp: 211506
Ion Ratio Lower Upper
83 100
85 64.0 52.8 79.2





#31

Cyclohexane

Concen: 54.853 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

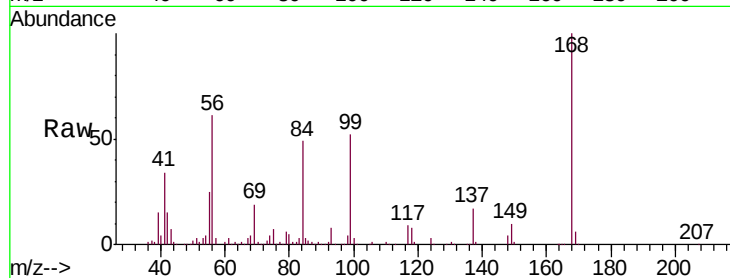
Tgt Ion: 56 Resp: 174145

Ion Ratio Lower Upper

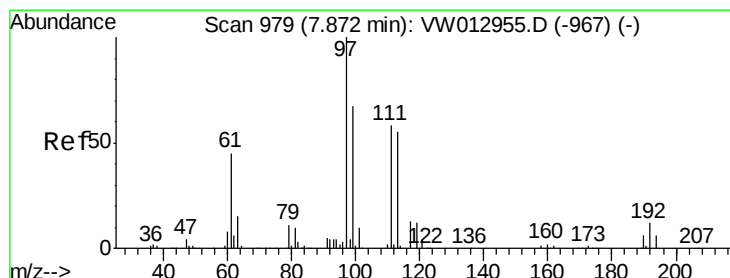
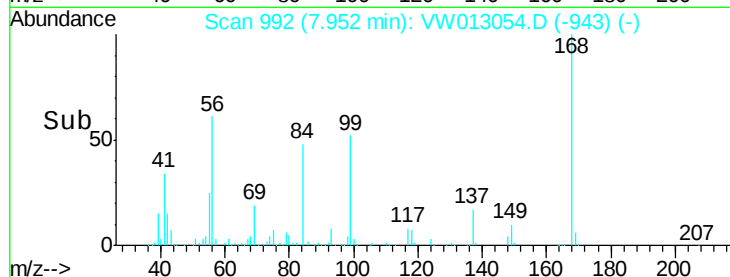
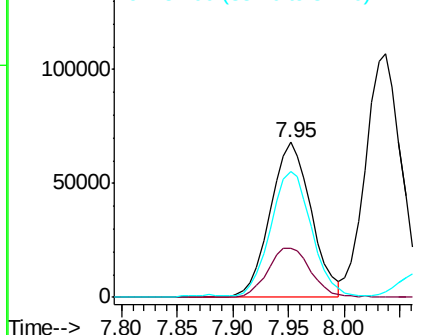
56 100

69 32.0 27.0 40.6

84 79.9 66.2 99.2



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



#32

1,1,1-Trichloroethane

Concen: 48.183 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

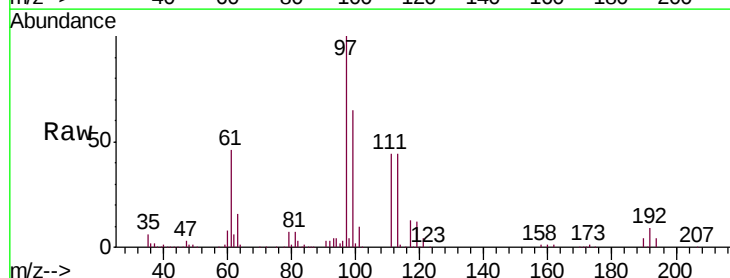
Tgt Ion: 97 Resp: 171805

Ion Ratio Lower Upper

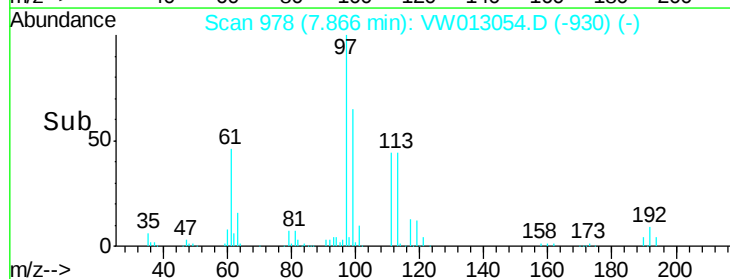
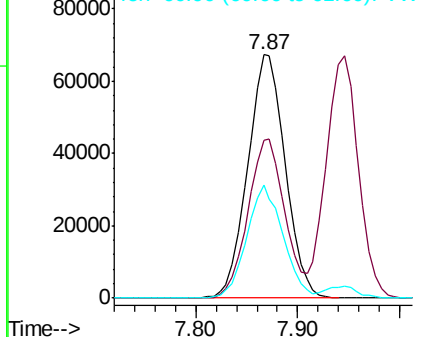
97 100

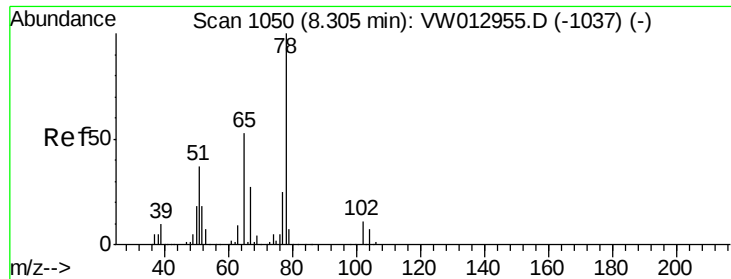
99 64.7 53.0 79.4

61 44.9 36.5 54.7



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

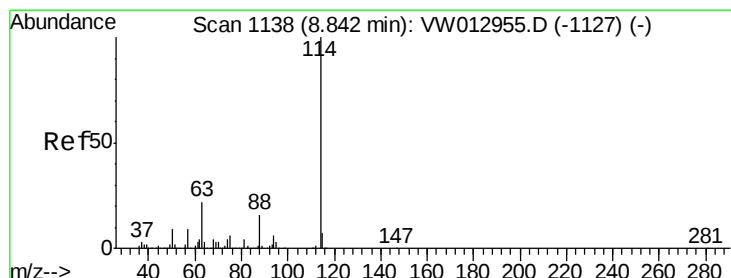
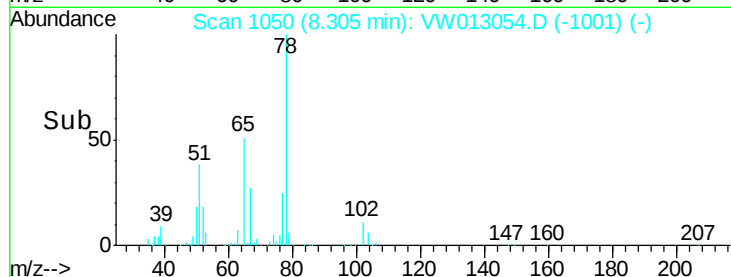
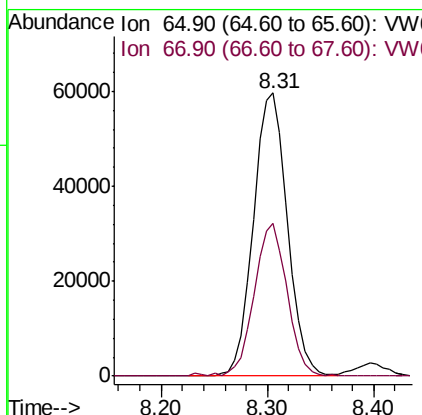
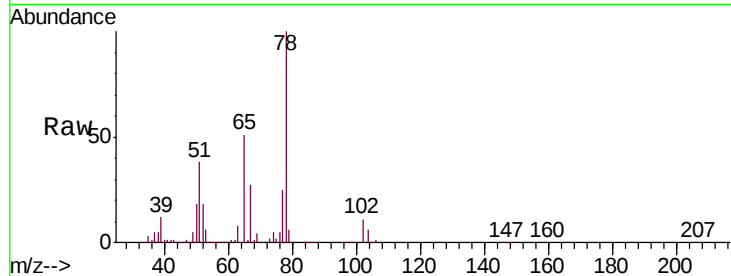




#33
 1,2-Dichloroethane-d4
 Concen: 53.188 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013054.D
 Acq: 16 Sep 2019 20:42

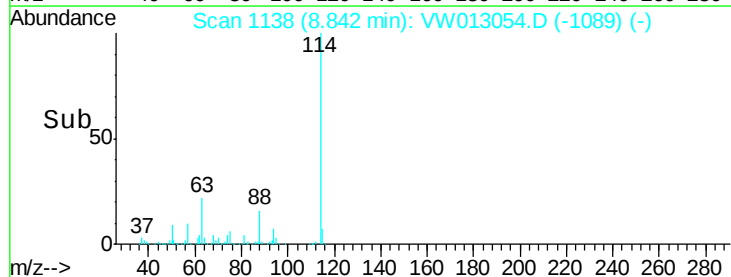
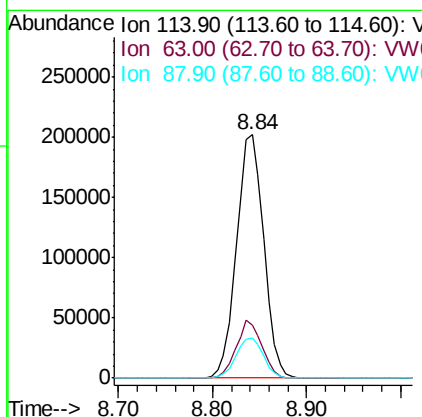
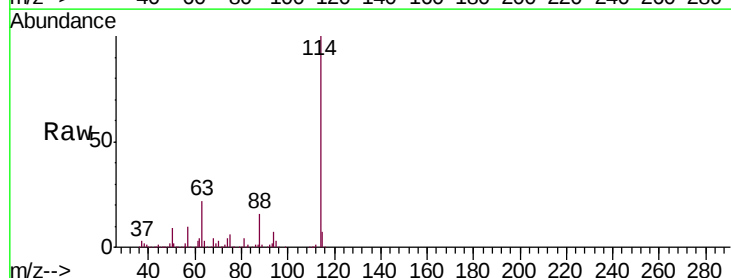
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

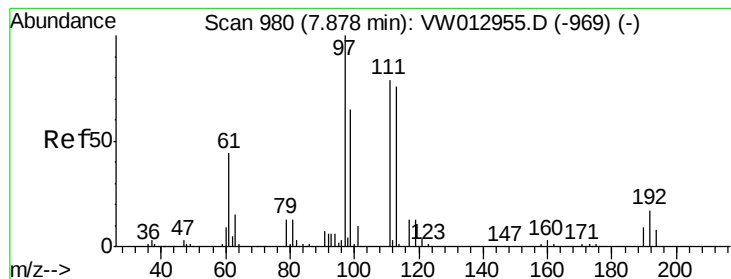
Tgt Ion: 65 Resp: 133365
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013054.D
 Acq: 16 Sep 2019 20:42

Tgt Ion: 114 Resp: 406400
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 43.4
 88 16.3 0.0 31.6





#35

Dibromofluoromethane

Concen: 49.787 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

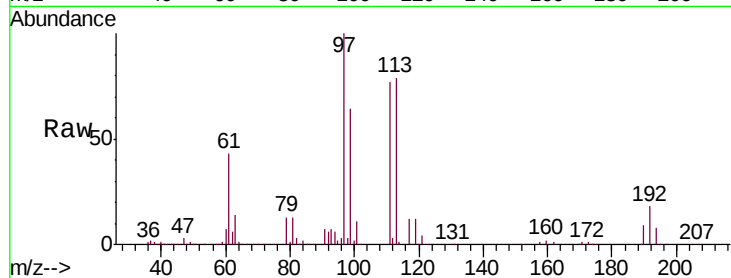
Tgt Ion: 113 Resp: 109789

Ion Ratio Lower Upper

113 100

111 101.5 82.8 124.2

192 23.0 17.8 26.8

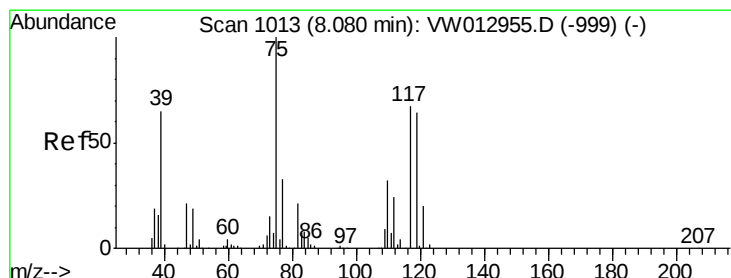
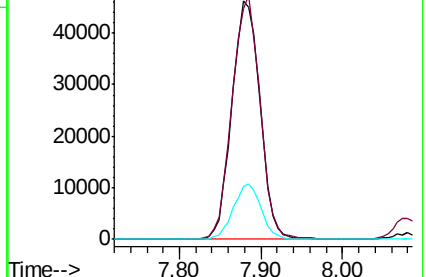
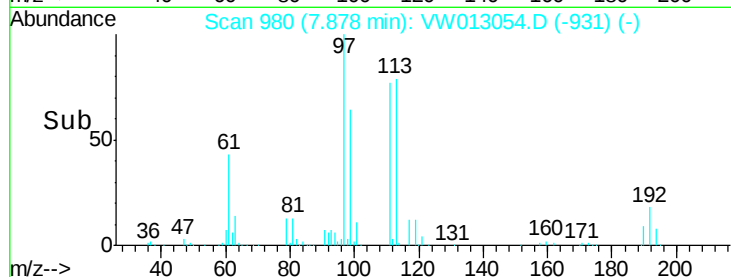


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

7.88



#36

1,1-Dichloropropene

Concen: 47.438 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

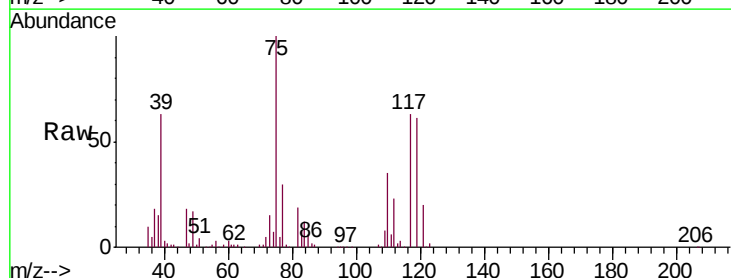
Tgt Ion: 75 Resp: 154054

Ion Ratio Lower Upper

75 100

110 34.1 16.4 49.1

77 31.1 25.1 37.7

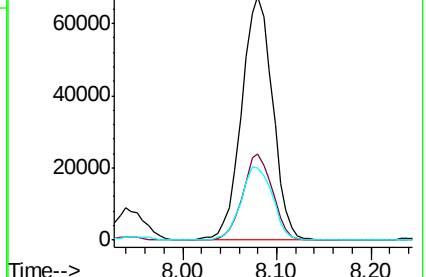
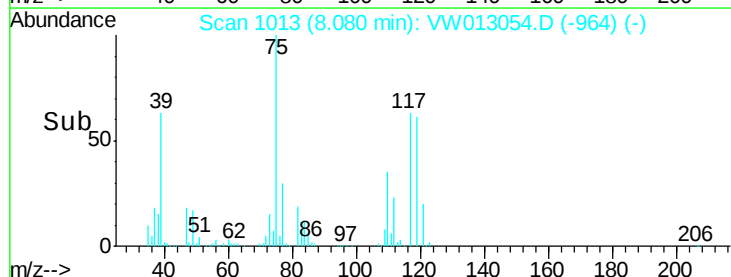


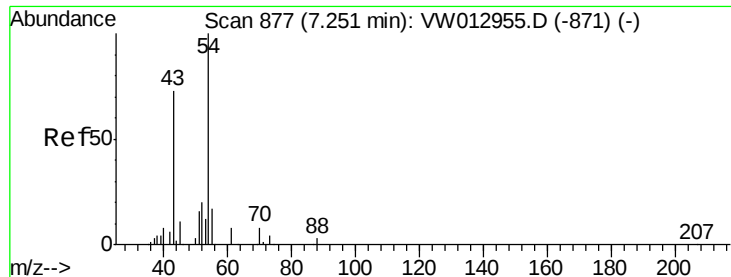
Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

8.08





#37

Ethyl Acetate

Concen: 65.630 ug/l

RT: 7.25 min Scan# 877

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

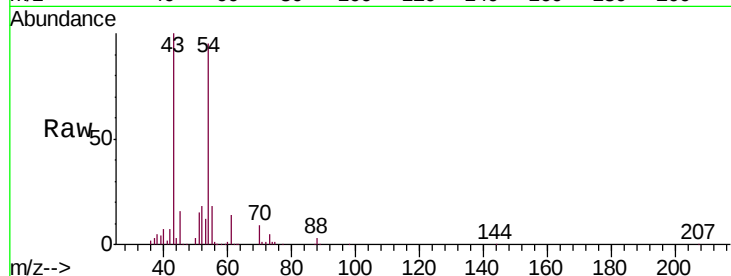
Tgt Ion: 43 Resp: 113128

Ion Ratio Lower Upper

43 100

61 12.5 9.6 14.4

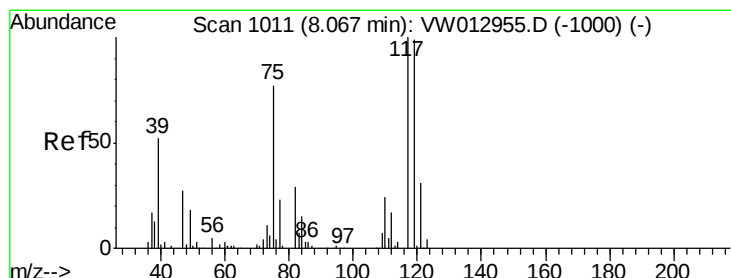
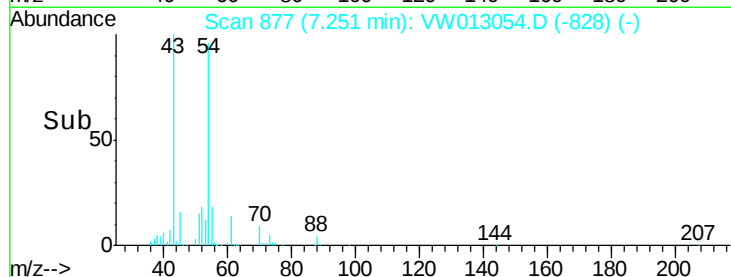
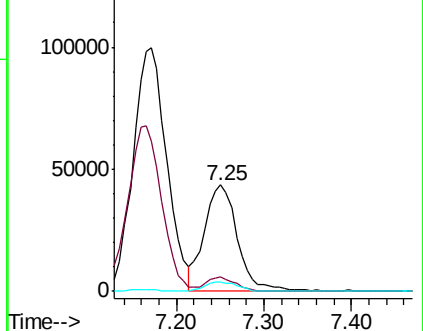
70 9.4 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 45.950 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

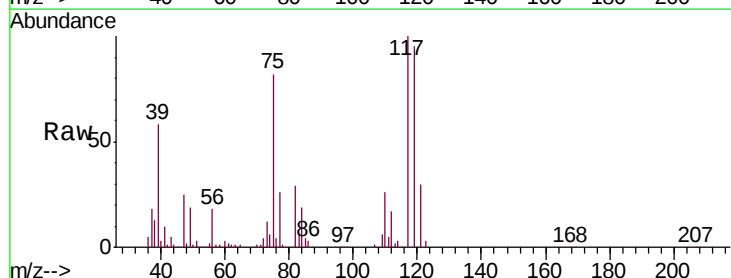
Tgt Ion: 117 Resp: 152920

Ion Ratio Lower Upper

117 100

119 94.7 79.4 119.0

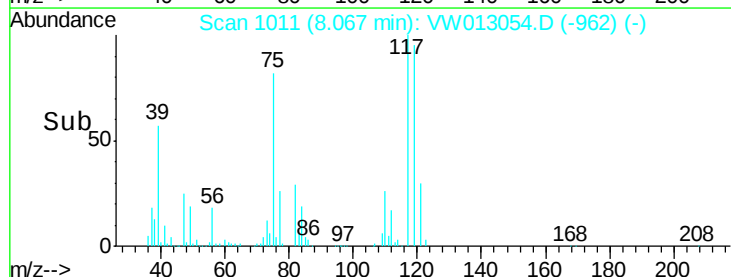
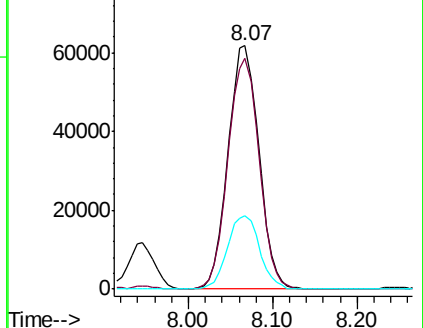
121 29.9 24.6 36.8

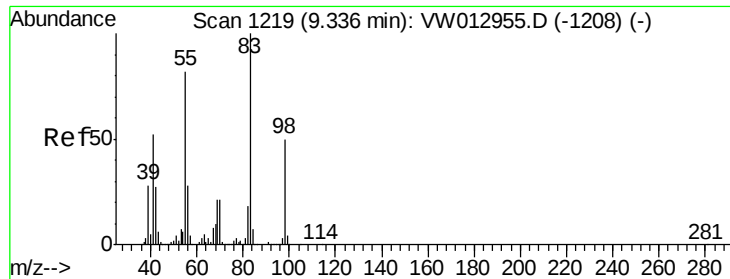


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

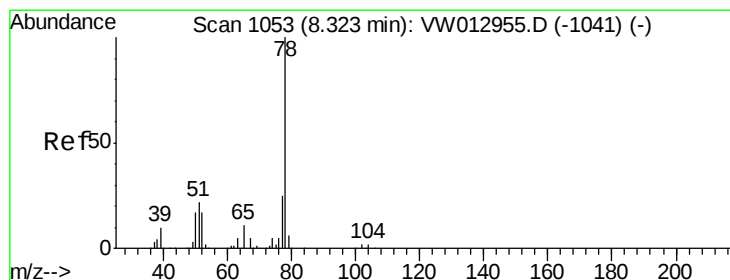
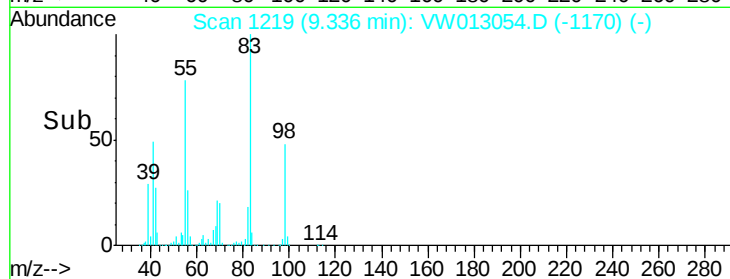
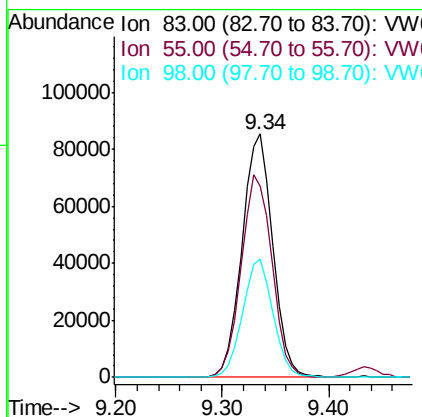
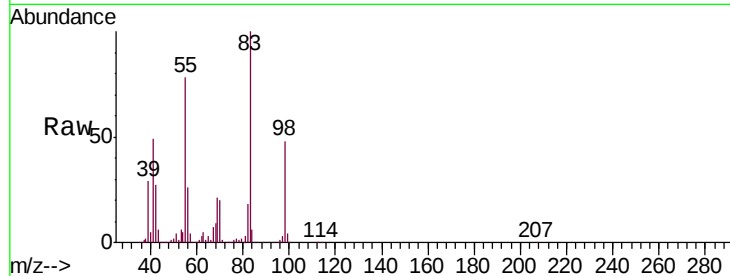




#39
Methylcyclohexane
Concen: 48.611 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

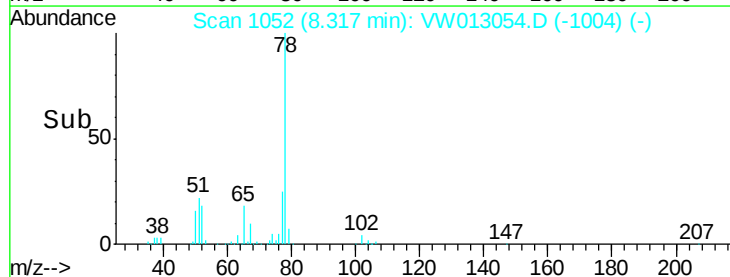
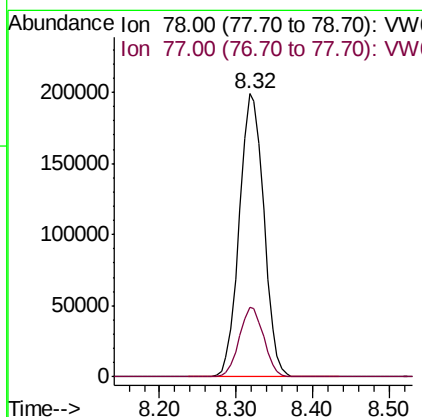
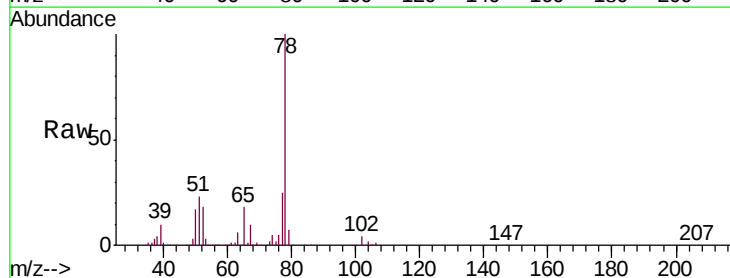
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 172986
Ion Ratio Lower Upper
83 100
55 78.5 65.9 98.9
98 48.4 39.6 59.4



#40
Benzene
Concen: 48.887 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Tgt Ion: 78 Resp: 443207
Ion Ratio Lower Upper
78 100
77 24.6 19.6 29.4





#41

Methacrylonitrile

Concen: 64.264 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 72948

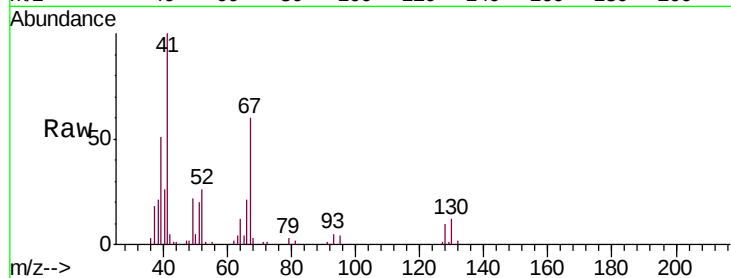
Ion Ratio Lower Upper

41 100

39 52.0 48.2 72.4

67 60.3 47.5 71.3

52 26.6 21.0 31.4

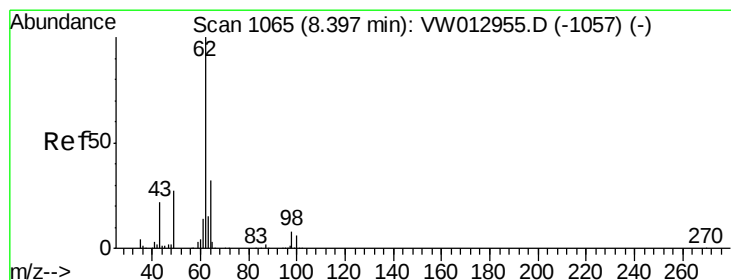
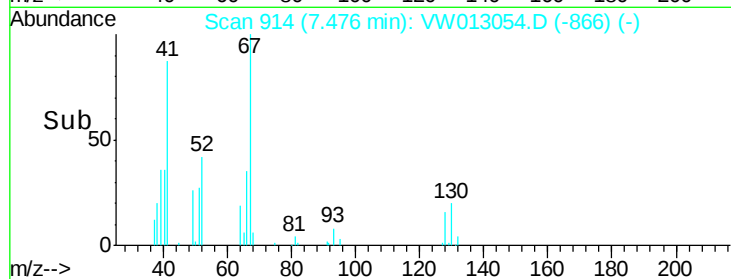
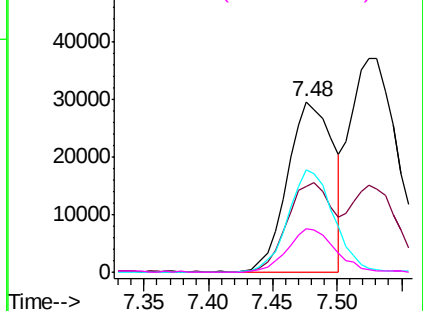


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 48.351 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW013054.D

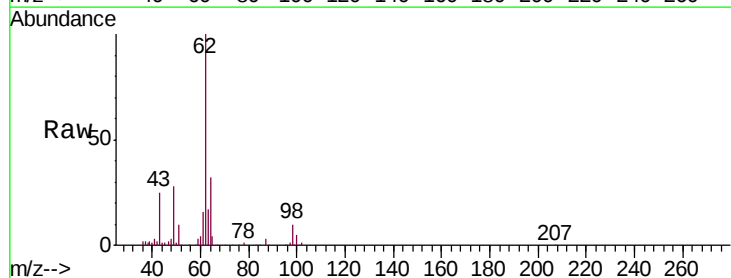
Acq: 16 Sep 2019 20:42

Tgt Ion: 62 Resp: 146942

Ion Ratio Lower Upper

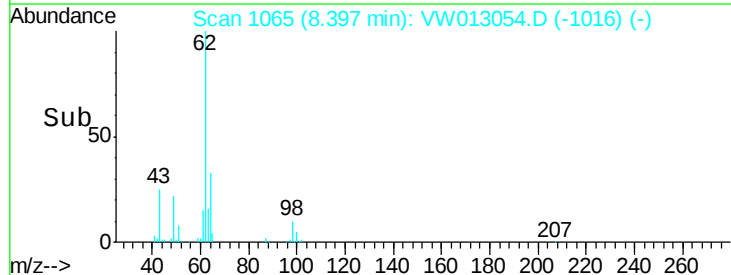
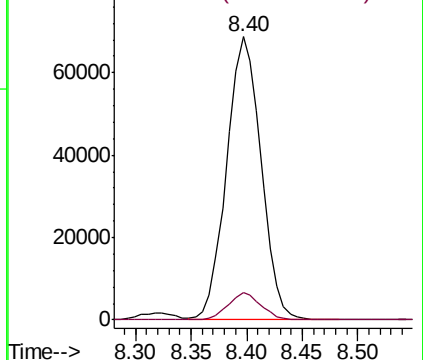
62 100

98 9.3 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW

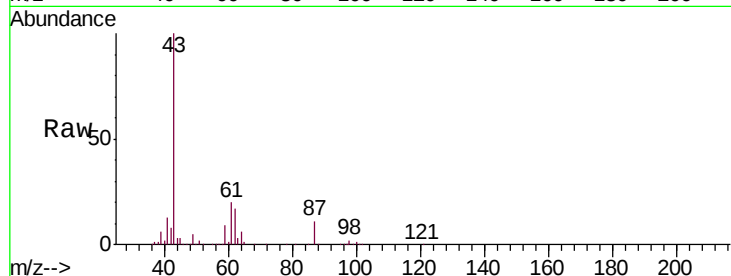




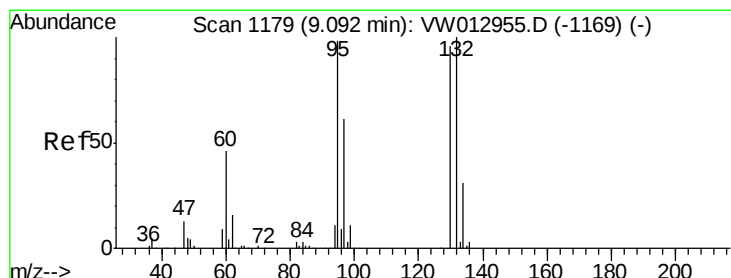
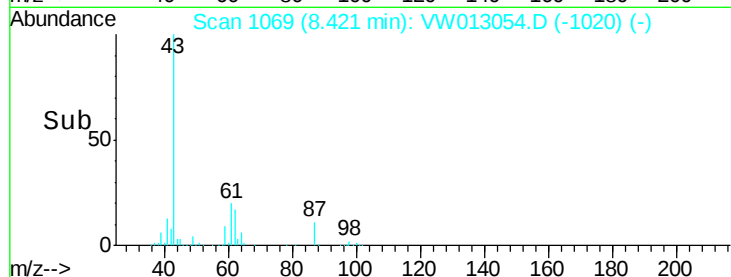
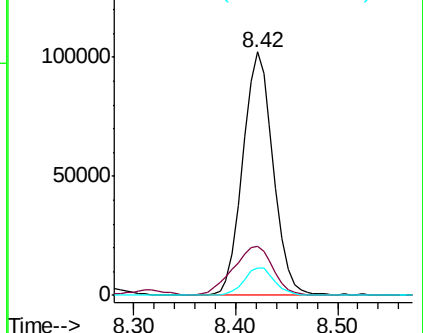
#43
Isopropyl Acetate
Concen: 63.707 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 210846
Ion Ratio Lower Upper
43 100
61 26.1 22.7 34.1
87 11.6 9.4 14.2

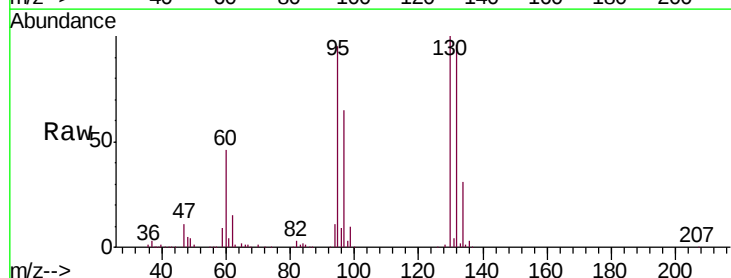


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW

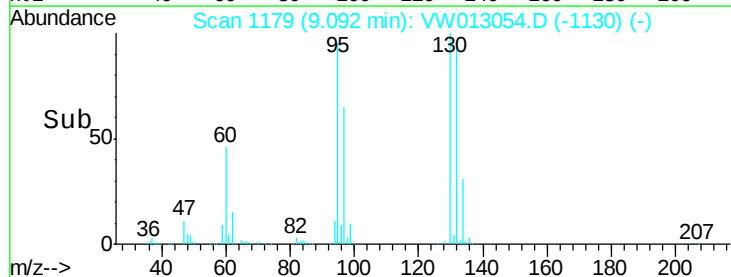
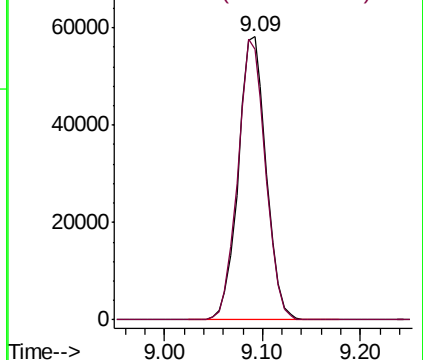


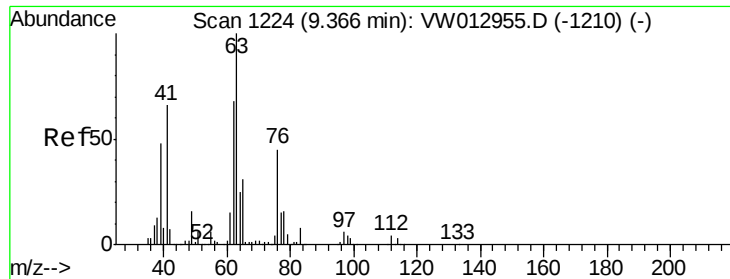
#44
Trichloroethene
Concen: 46.051 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Tgt Ion: 130 Resp: 114356
Ion Ratio Lower Upper
130 100
95 95.4 0.0 204.4



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





#45

1,2-Dichloropropane

Concen: 51.238 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Instrument :

MSVOA_W

ClientSampleId :

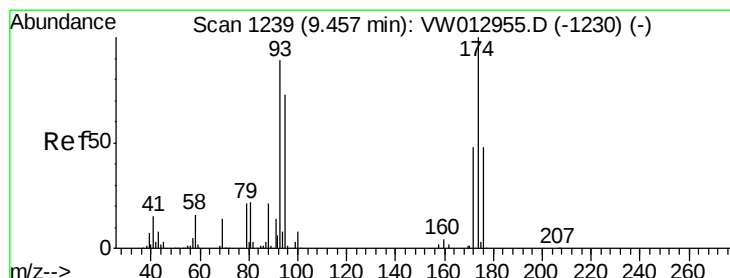
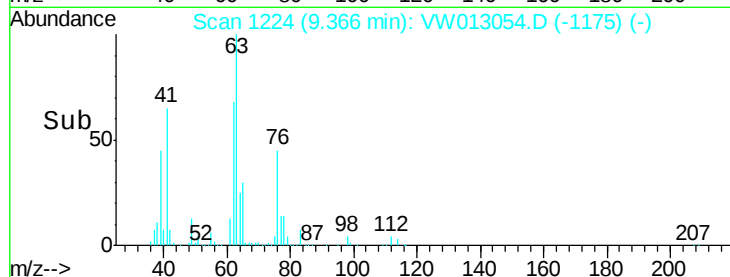
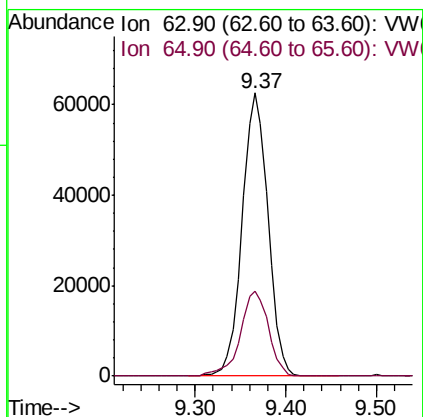
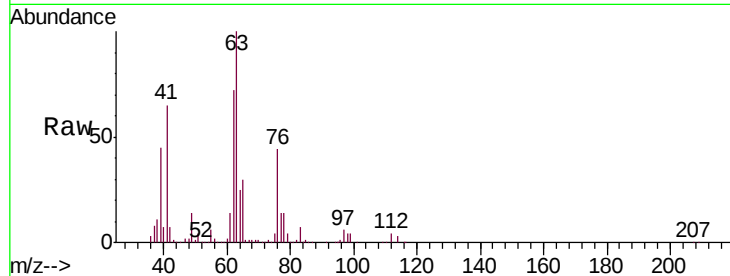
VSTDCCC050EC

Tgt Ion: 63 Resp: 123415

Ion Ratio Lower Upper

63 100

65 30.1 24.6 37.0



#46

Dibromomethane

Concen: 53.996 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

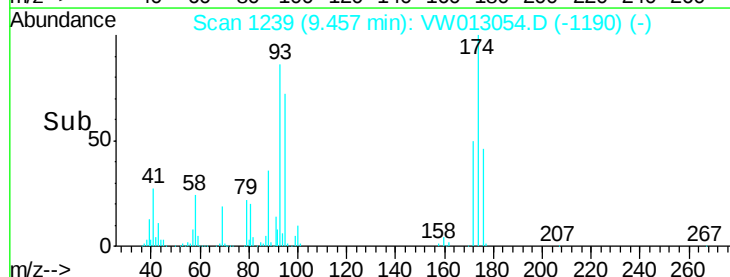
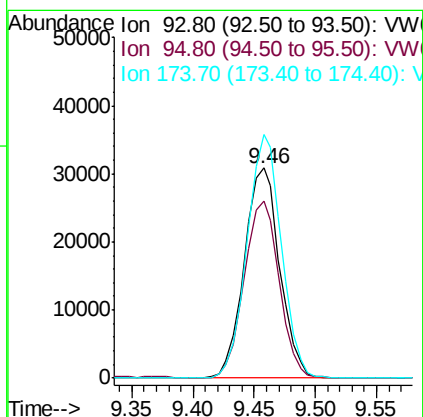
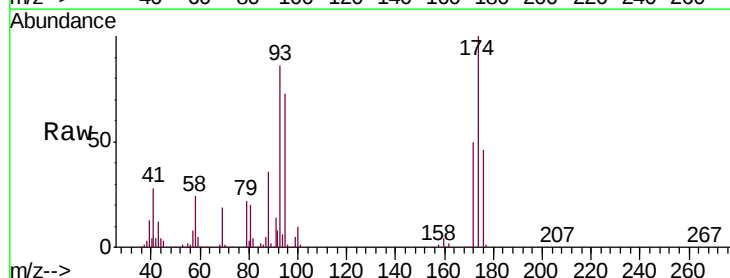
Tgt Ion: 93 Resp: 62311

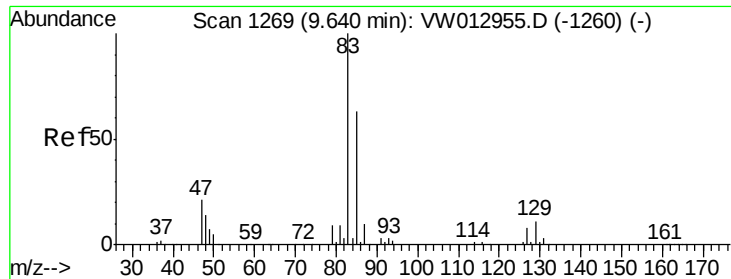
Ion Ratio Lower Upper

93 100

95 83.6 67.0 100.4

174 112.1 90.5 135.7

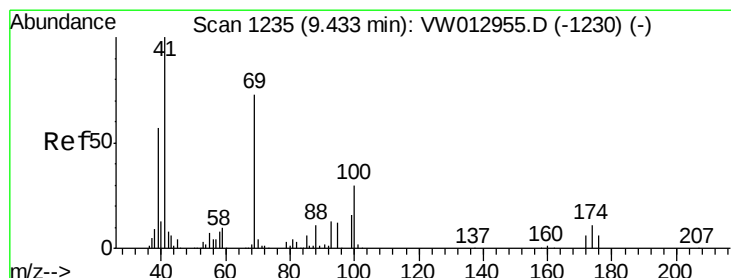
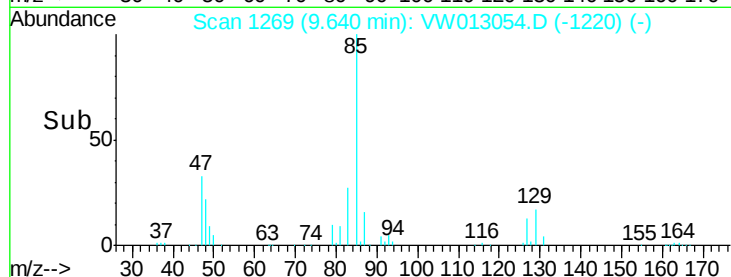
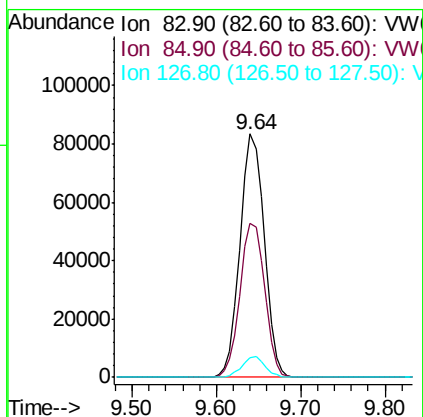
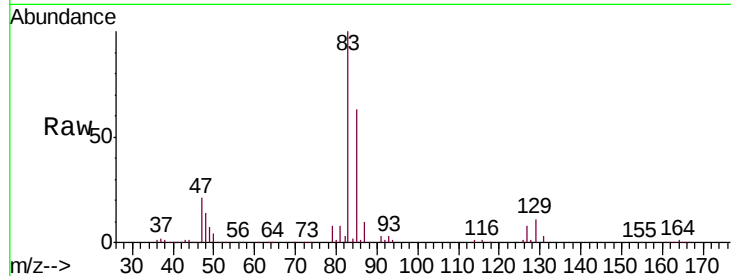




#47
 Bromodichloromethane
 Concen: 49.857 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW013054.D
 Acq: 16 Sep 2019 20:42

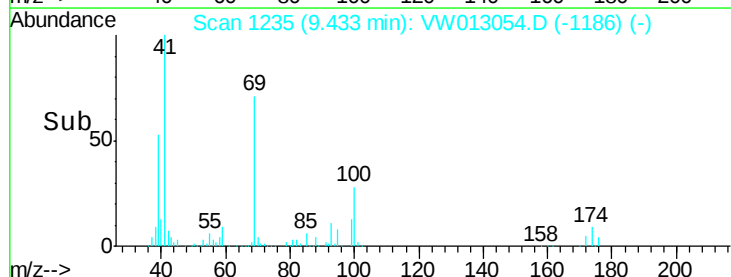
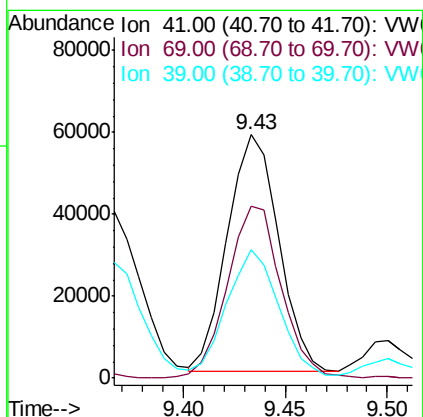
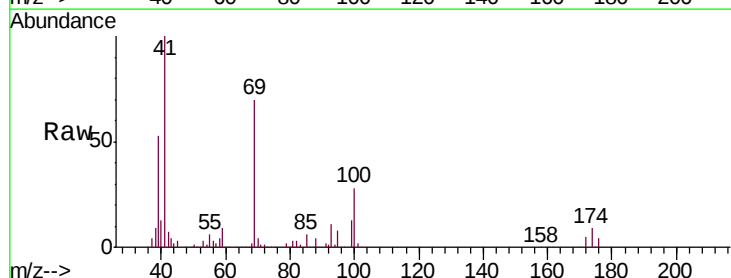
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

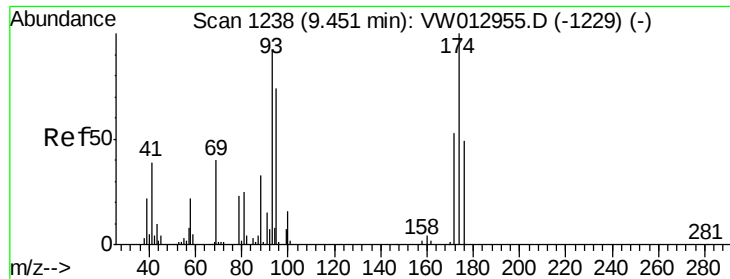
Tgt Ion: 83 Resp: 161384
 Ion Ratio Lower Upper
 83 100
 85 63.4 50.6 75.8
 127 8.3 6.7 10.1



#48
 Methyl methacrylate
 Concen: 64.938 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW013054.D
 Acq: 16 Sep 2019 20:42

Tgt Ion: 41 Resp: 100866
 Ion Ratio Lower Upper
 41 100
 69 76.4 62.8 94.2
 39 56.1 48.5 72.7

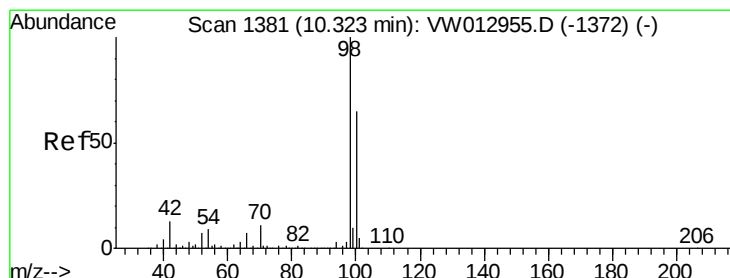
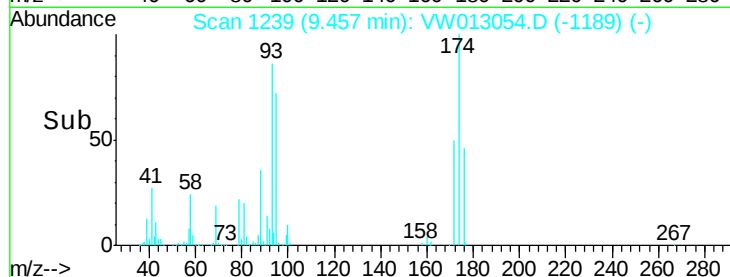
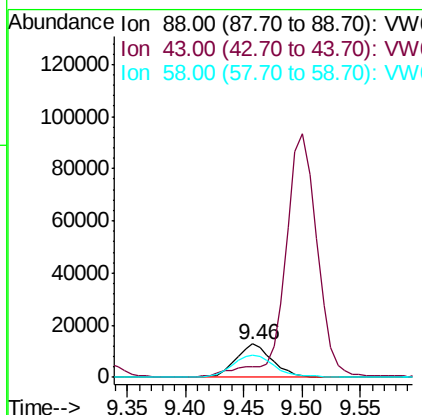
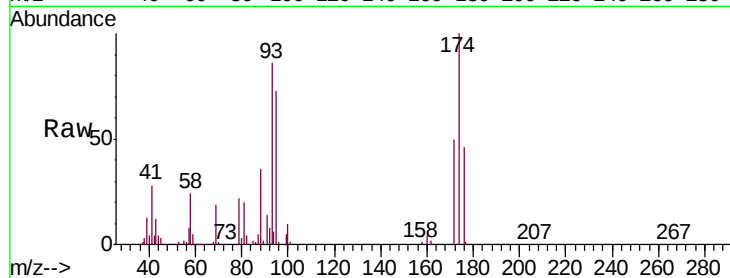




#49
1,4-Dioxane
Concen: 1417.779 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

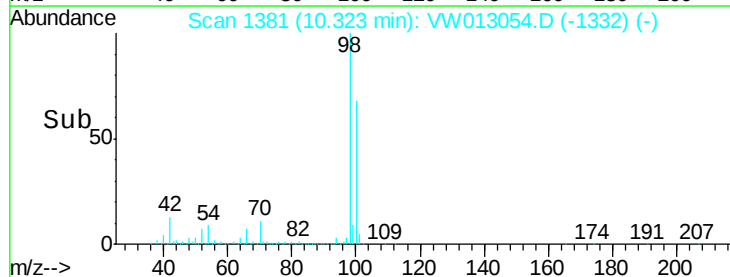
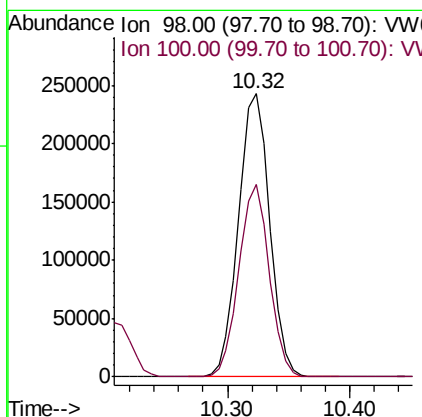
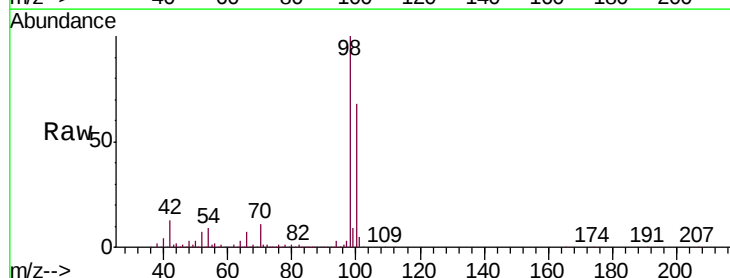
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

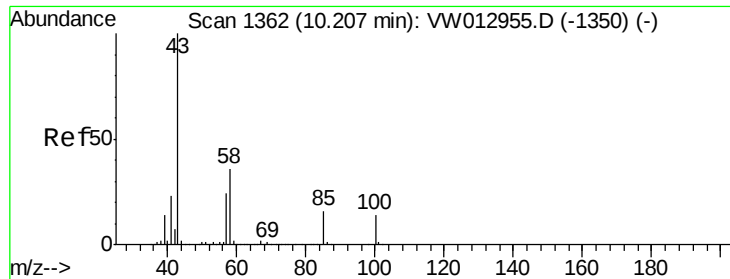
Tgt Ion: 88 Resp: 27415
Ion Ratio Lower Upper
88 100
43 0.0 31.3 46.9#
58 78.9 60.2 90.2



#50
Toluene-d8
Concen: 49.855 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Tgt Ion: 98 Resp: 430205
Ion Ratio Lower Upper
98 100
100 66.4 52.1 78.1

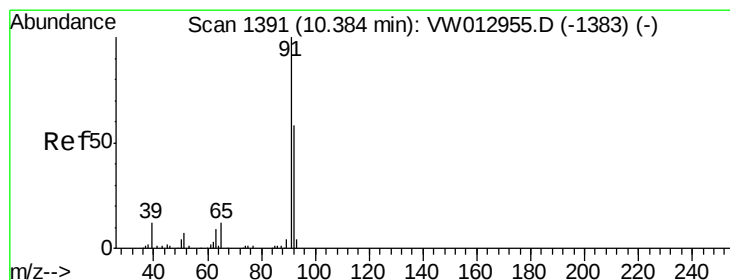
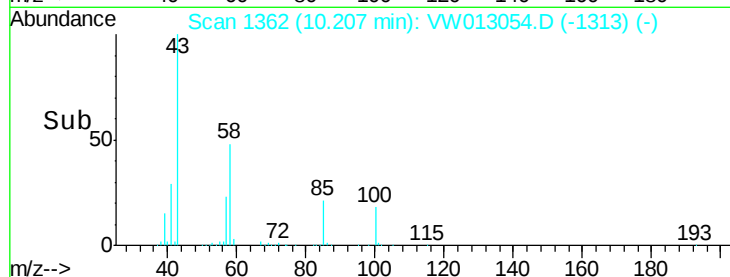
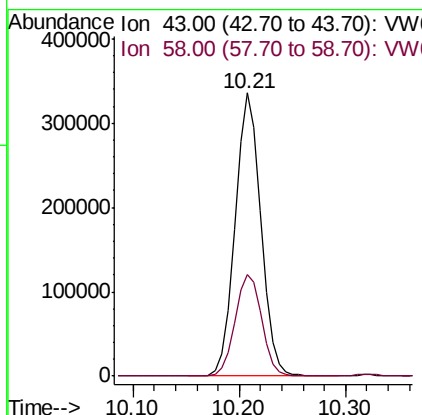
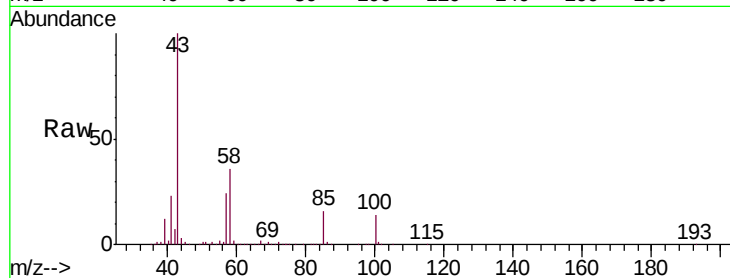




#51
 4-Methyl-2-Pentanone
 Concen: 333.066 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW013054.D
 Acq: 16 Sep 2019 20:42

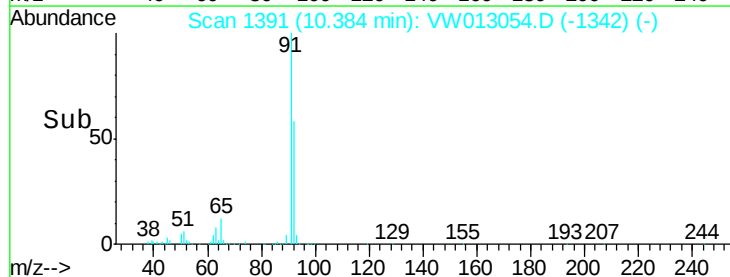
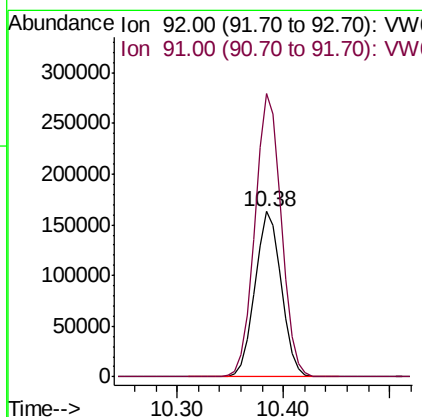
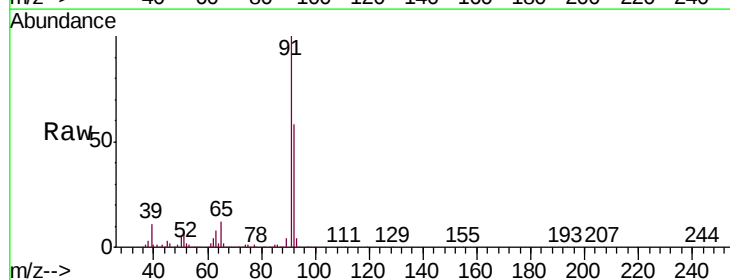
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

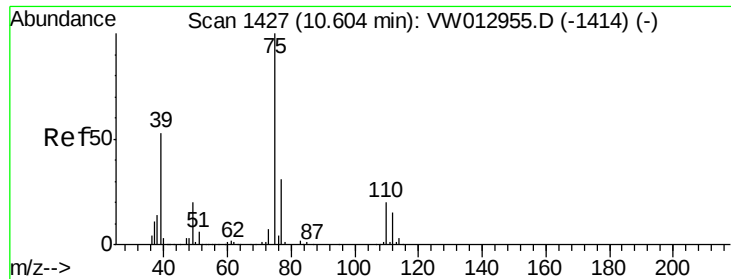
Tgt Ion: 43 Resp: 569103
 Ion Ratio Lower Upper
 43 100
 58 37.1 29.5 44.3



#52
 Toluene
 Concen: 49.277 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW013054.D
 Acq: 16 Sep 2019 20:42

Tgt Ion: 92 Resp: 283879
 Ion Ratio Lower Upper
 92 100
 91 171.3 137.5 206.3





#53

t-1,3-Dichloropropene

Concen: 53.178 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Instrument :

MSVOA_W

ClientSampleId :

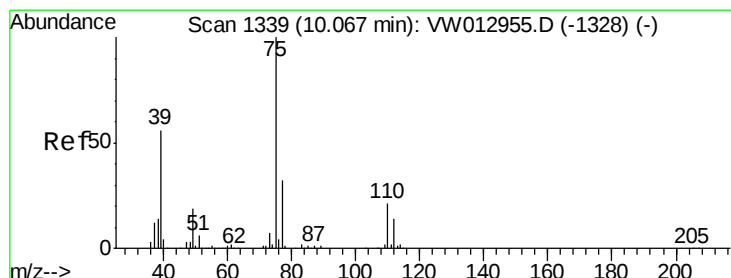
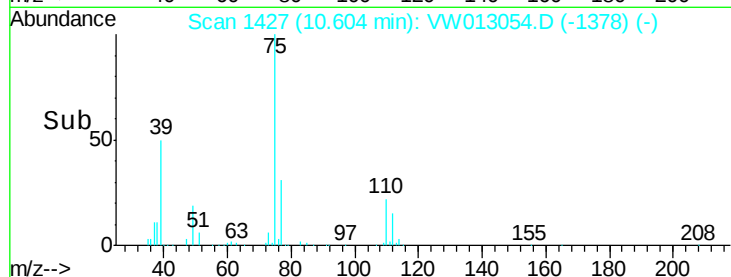
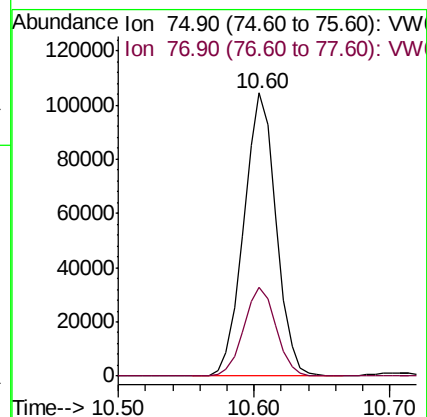
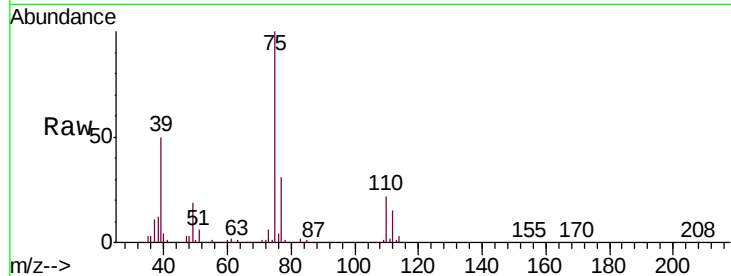
VSTDCCC050EC

Tgt Ion: 75 Resp: 173120

Ion Ratio Lower Upper

75 100

77 31.0 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 51.797 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

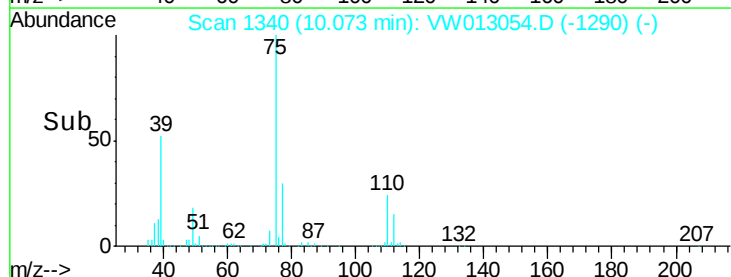
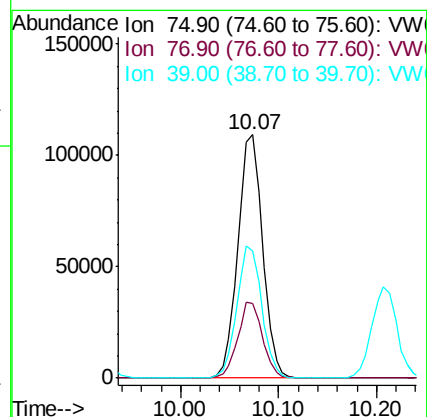
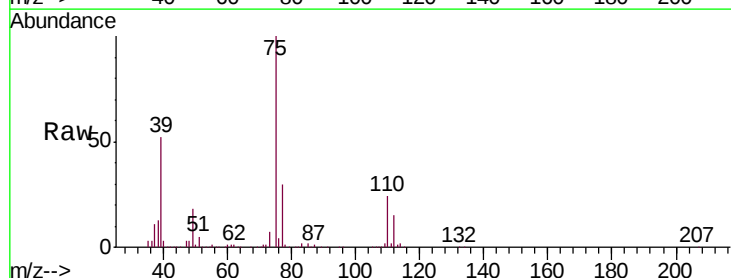
Tgt Ion: 75 Resp: 192935

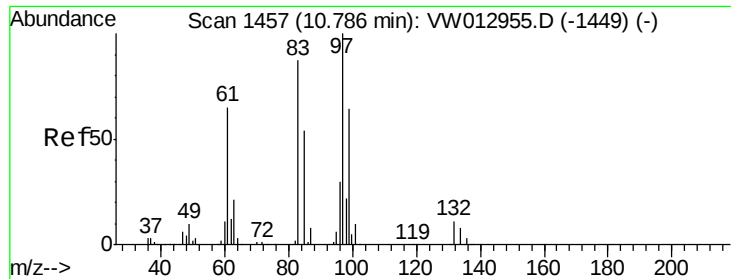
Ion Ratio Lower Upper

75 100

77 30.5 25.5 38.3

39 52.1 45.0 67.6

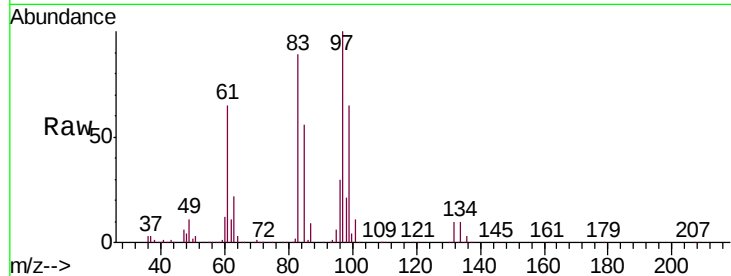




#55
 1,1,2-Trichloroethane
 Concen: 55.388 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013054.D
 Acq: 16 Sep 2019 20:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:	97	Resp:	97371
Ion	Ratio	Lower	Upper
97	100		
83	89.0	69.4	104.0
85	56.4	43.3	64.9
99	64.8	50.9	76.3



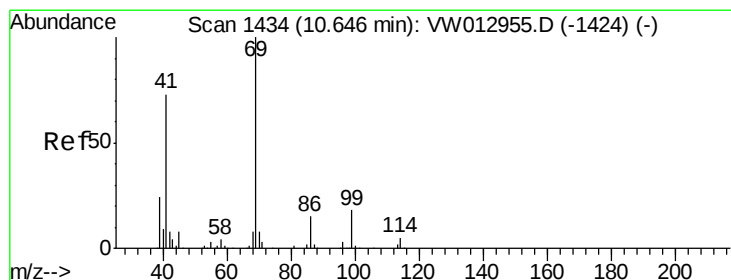
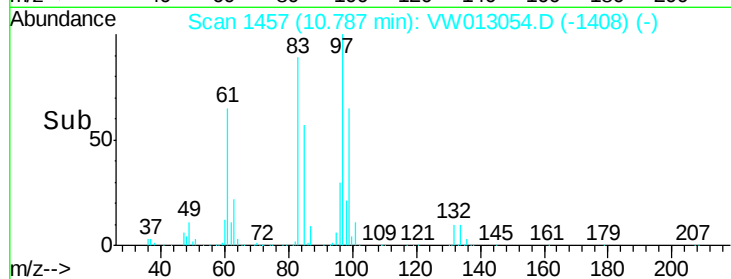
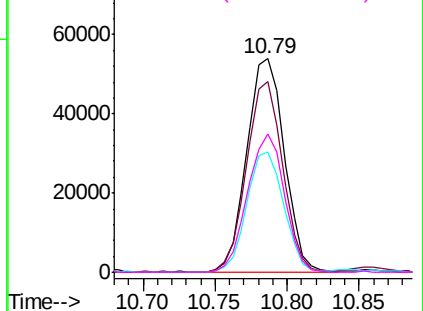
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

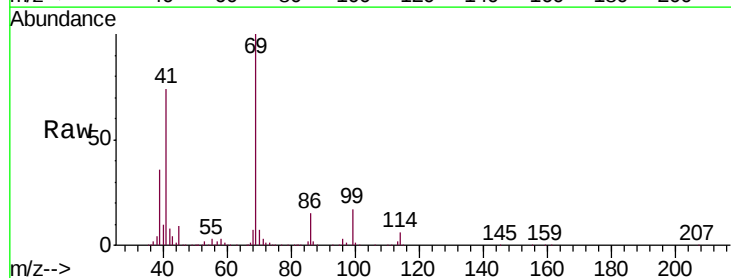
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 63.519 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW013054.D
 Acq: 16 Sep 2019 20:42

Tgt Ion:	69	Resp:	150305
Ion	Ratio	Lower	Upper
69	100		
41	76.4	60.8	91.2
39	33.7	29.4	44.0

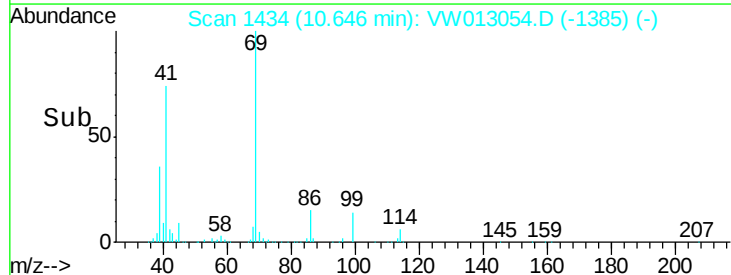
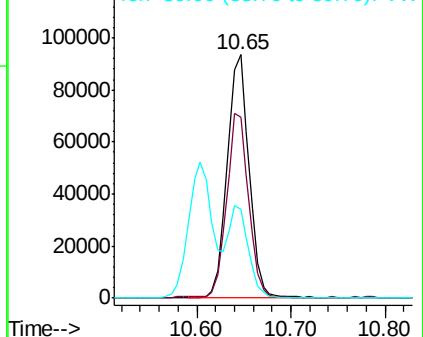


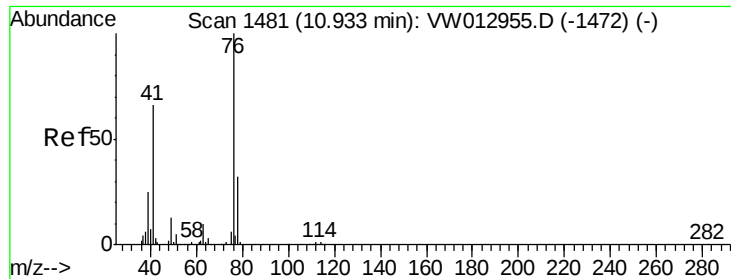
Abundance

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: 54.921 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Instrument :

MSVOA_W

ClientSampleId :

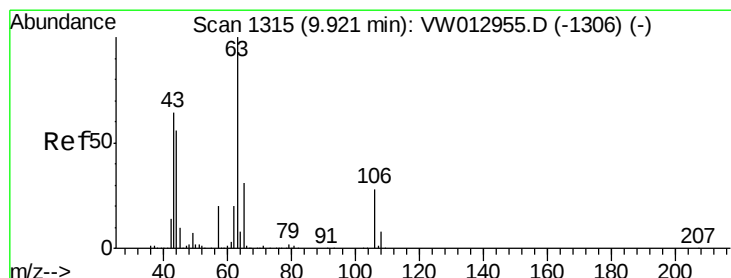
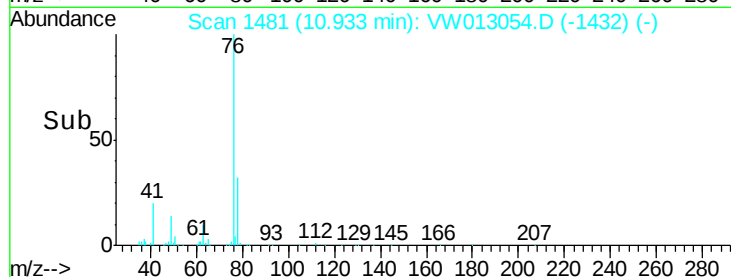
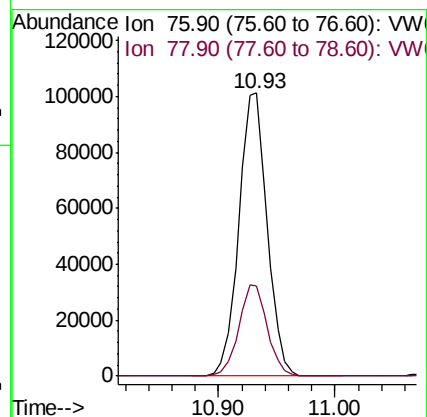
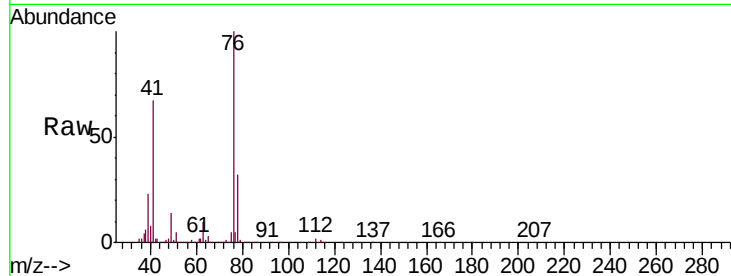
VSTDCCC050EC

Tgt Ion: 76 Resp: 171272

Ion Ratio Lower Upper

76 100

78 32.6 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 322.832 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW013054.D

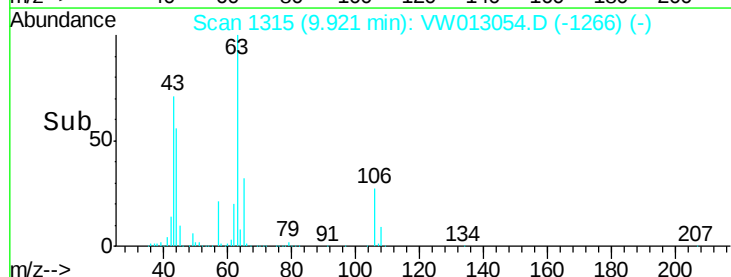
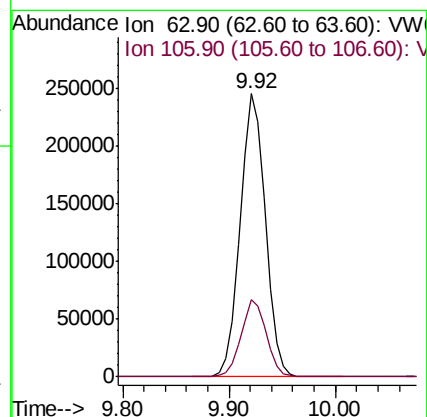
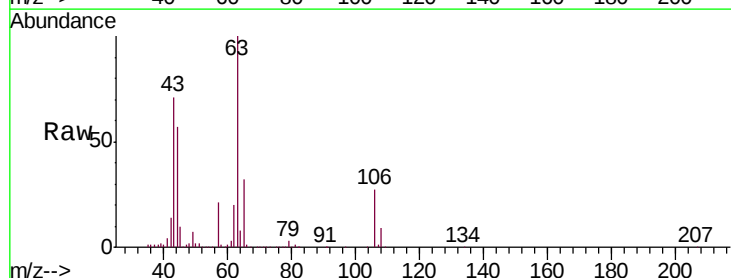
Acq: 16 Sep 2019 20:42

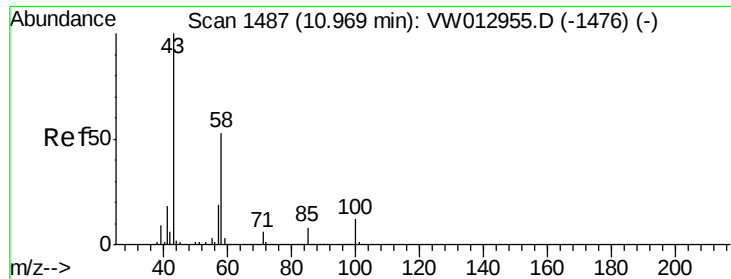
Tgt Ion: 63 Resp: 409787

Ion Ratio Lower Upper

63 100

106 27.2 22.2 33.2

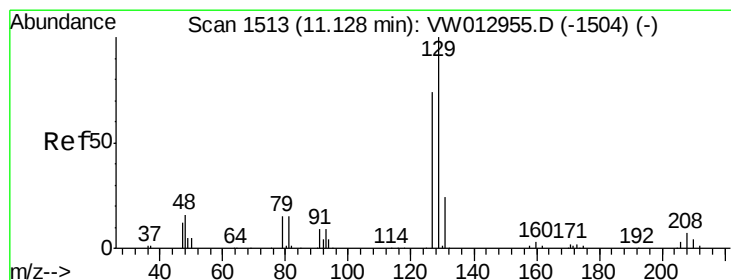
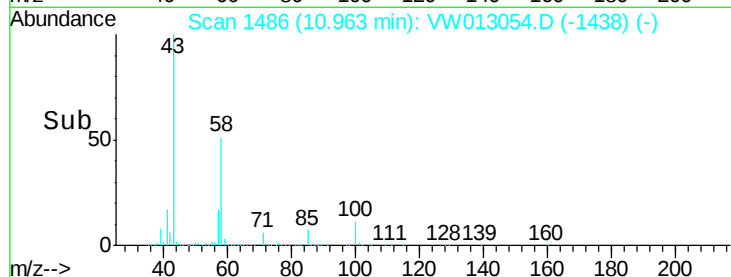
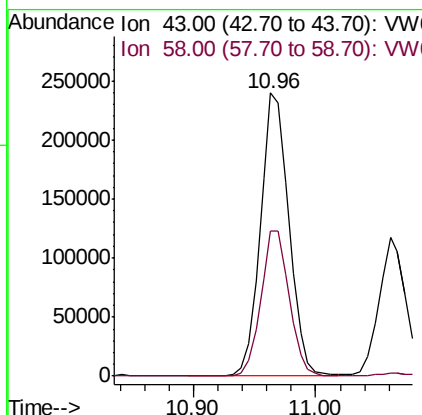
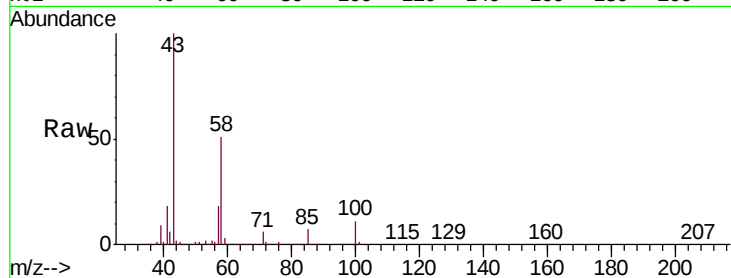




#59
2-Hexanone
Concen: 326.632 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

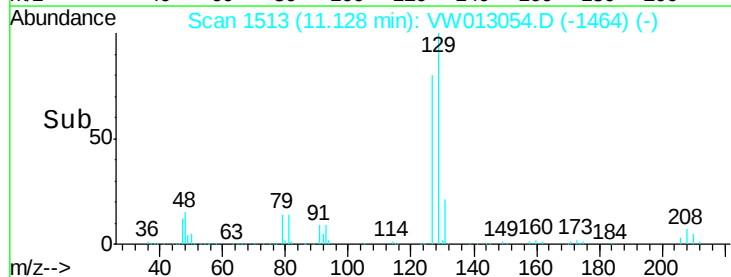
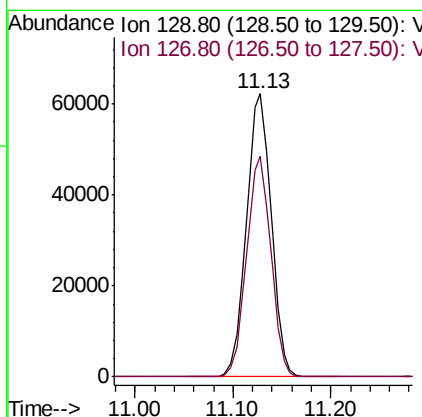
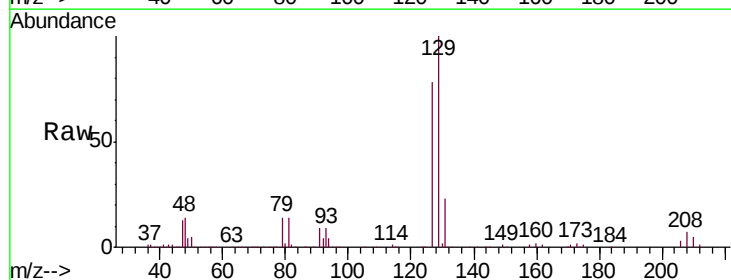
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

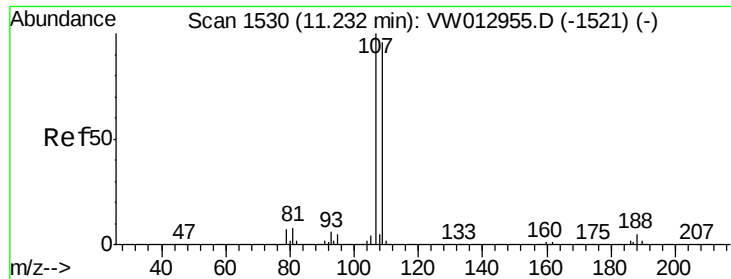
Tgt Ion: 43 Resp: 388617
Ion Ratio Lower Upper
43 100
58 51.4 25.8 77.3



#60
Dibromochloromethane
Concen: 51.455 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Tgt Ion: 129 Resp: 109361
Ion Ratio Lower Upper
129 100
127 76.6 37.4 112.2

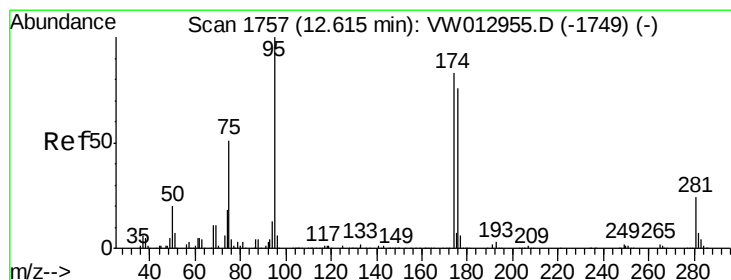
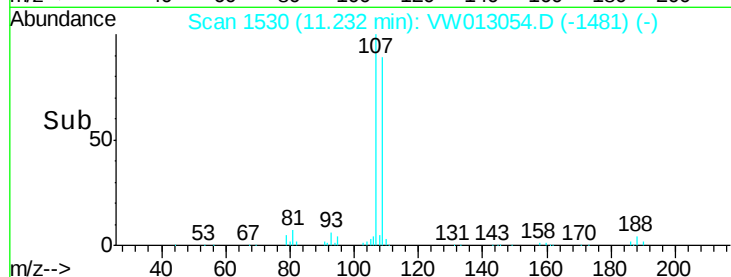
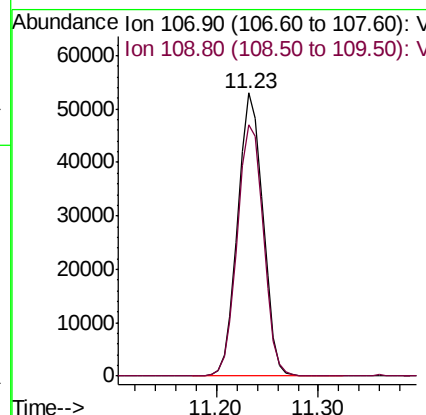
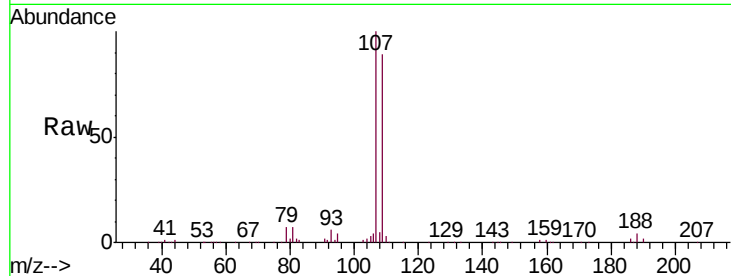




#61
 1,2-Dibromoethane
 Concen: 56.478 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW013054.D
 Acq: 16 Sep 2019 20:42

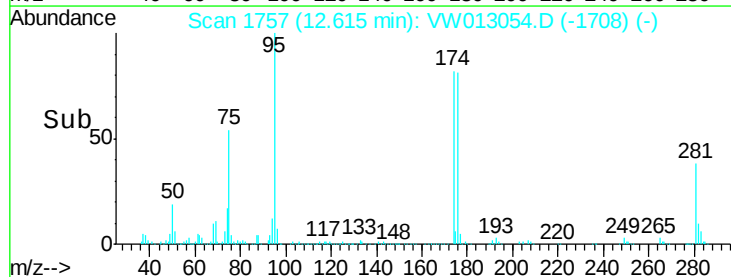
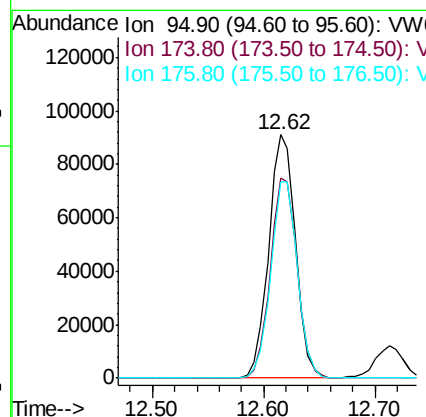
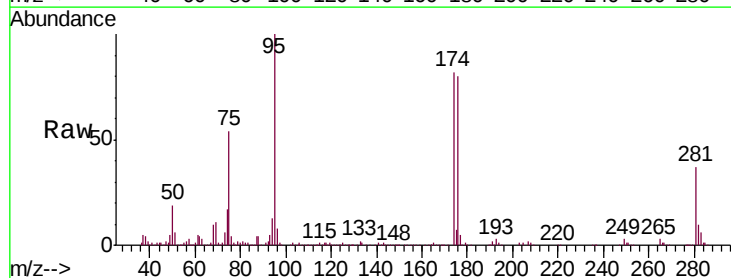
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

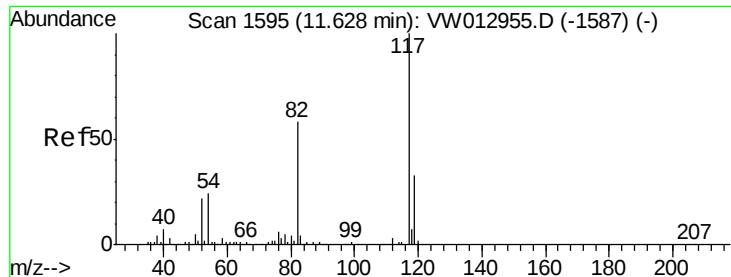
Tgt Ion: 107 Resp: 90574
 Ion Ratio Lower Upper
 107 100
 109 92.3 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 49.223 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013054.D
 Acq: 16 Sep 2019 20:42

Tgt Ion: 95 Resp: 152730
 Ion Ratio Lower Upper
 95 100
 174 82.3 0.0 170.4
 176 80.3 0.0 164.6

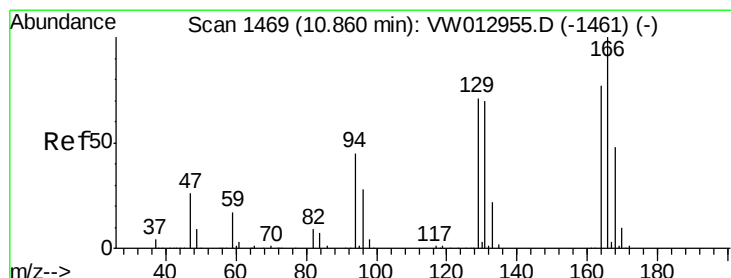
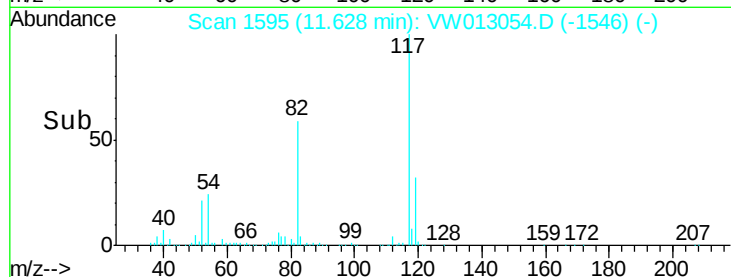
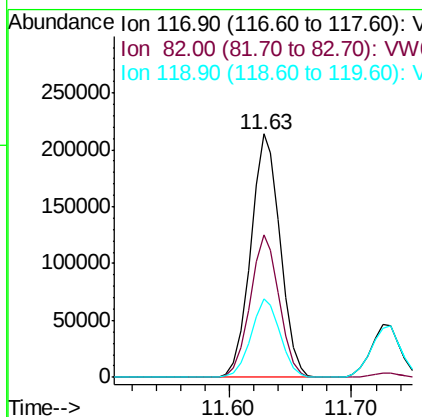
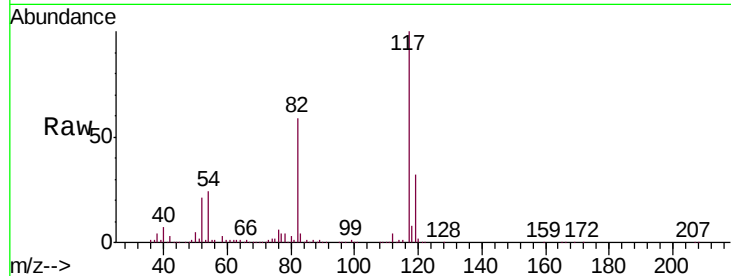




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

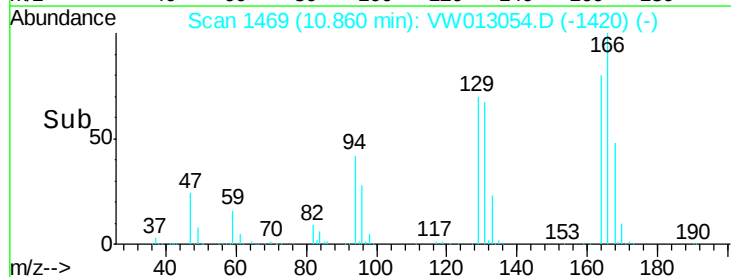
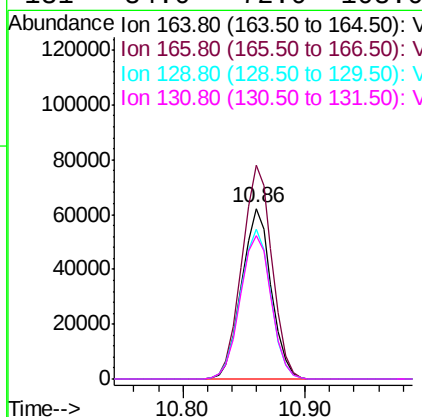
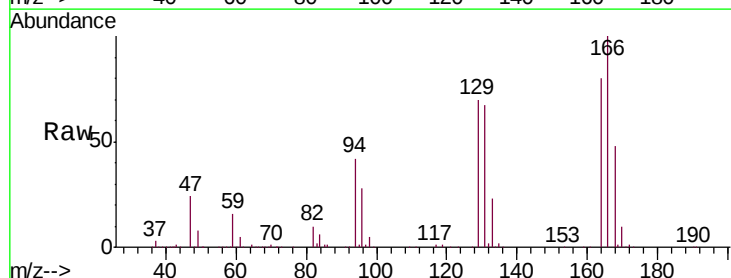
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

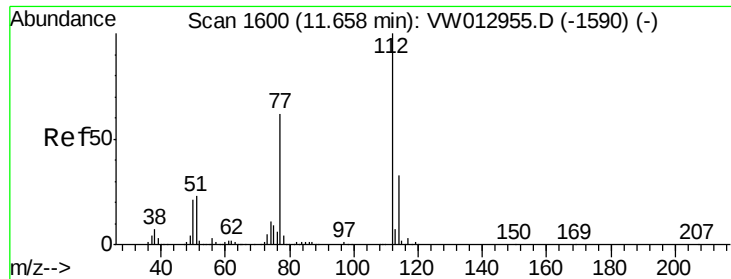
Tgt Ion:117 Resp: 357717
Ion Ratio Lower Upper
117 100
82 58.7 46.3 69.5
119 31.9 26.2 39.4



#64
Tetrachloroethene
Concen: 49.151 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Tgt Ion:164 Resp: 104598
Ion Ratio Lower Upper
164 100
166 125.1 103.3 154.9
129 87.8 73.8 110.8
131 84.0 72.0 108.0





#65

Chlorobenzene

Concen: 48.835 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Instrument :

MSVOA_W

ClientSampleId :

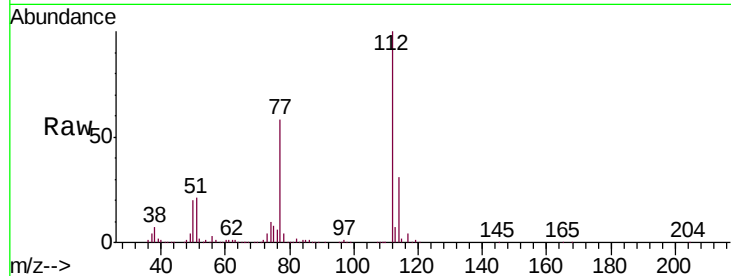
VSTDCCC050EC

Tgt Ion:112 Resp: 311162

Ion Ratio Lower Upper

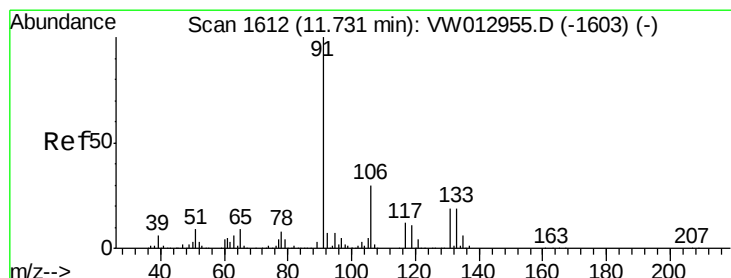
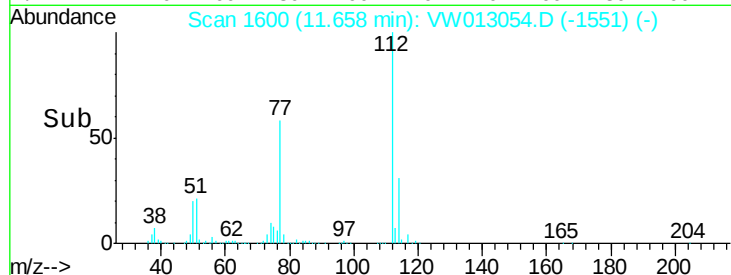
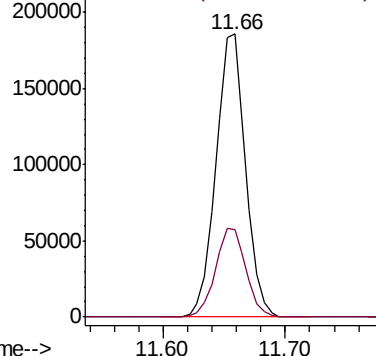
112 100

114 31.1 26.4 39.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.150 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

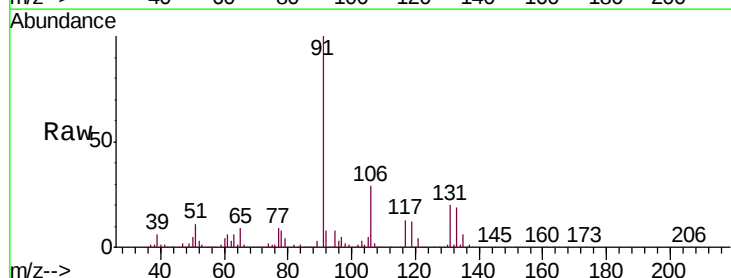
Tgt Ion:131 Resp: 120013

Ion Ratio Lower Upper

131 100

133 94.5 47.9 143.8

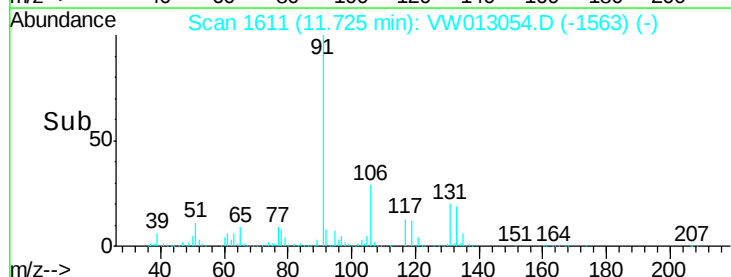
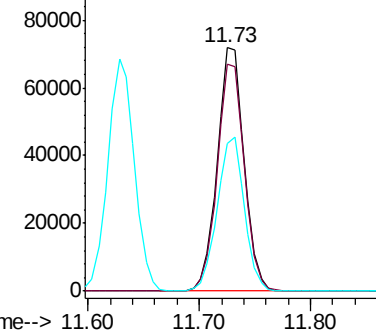
119 64.1 30.9 92.7

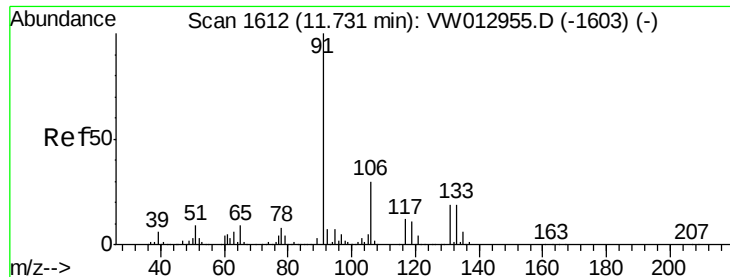


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

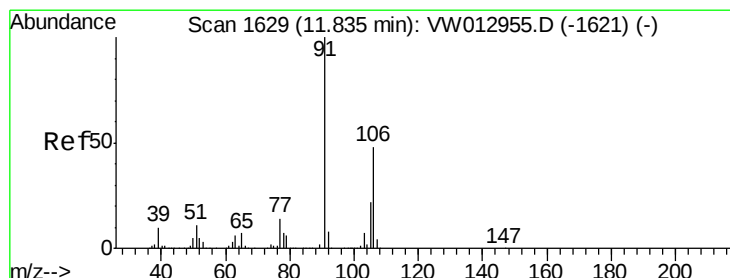
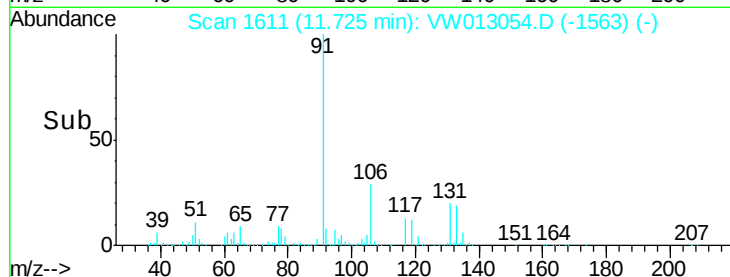
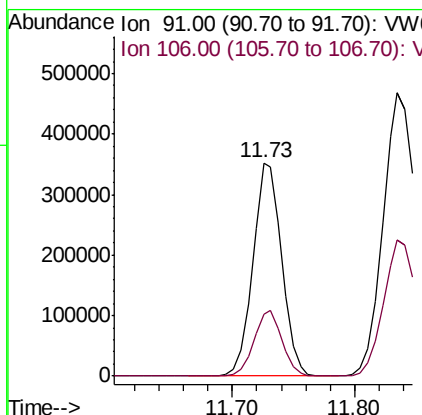
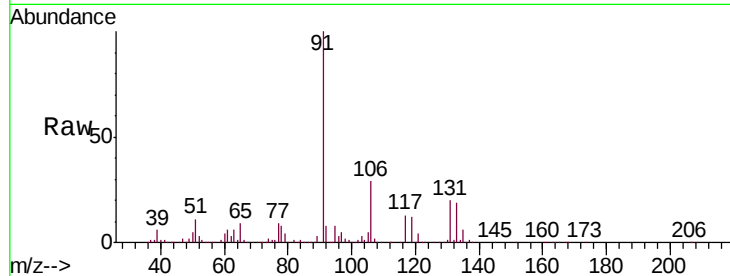




#67
Ethyl Benzene
Concen: 48.952 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

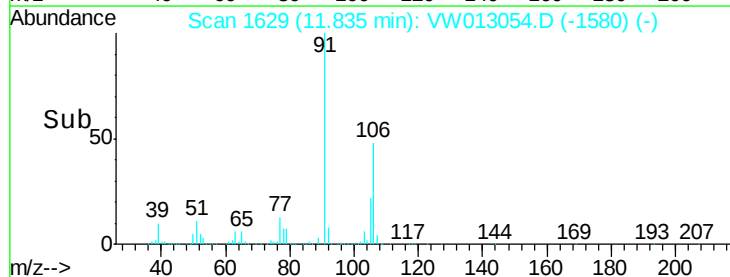
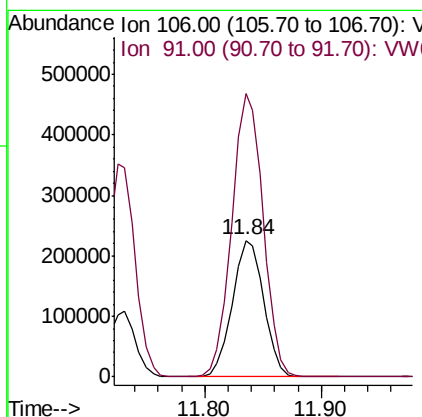
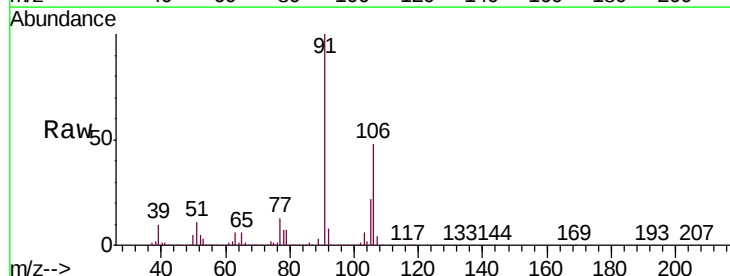
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

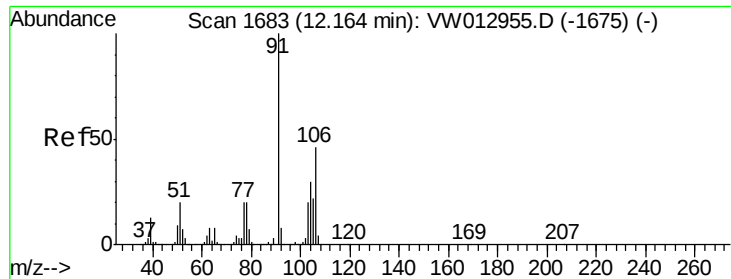
Tgt Ion: 91 Resp: 576062
Ion Ratio Lower Upper
91 100
106 29.1 24.3 36.5



#68
m/p-Xylenes
Concen: 98.236 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Tgt Ion: 106 Resp: 422312
Ion Ratio Lower Upper
106 100
91 207.2 165.8 248.8

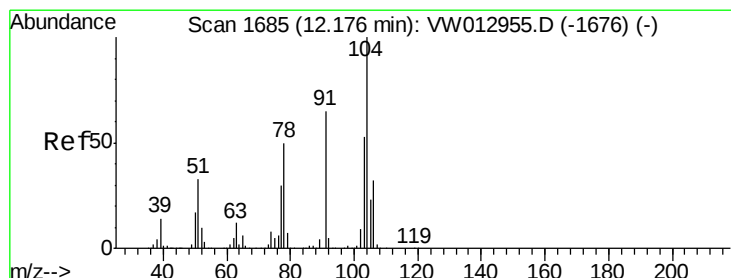
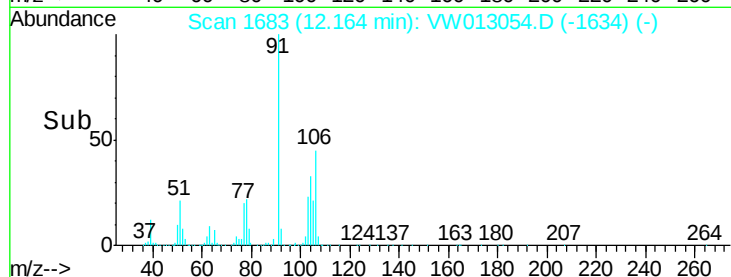
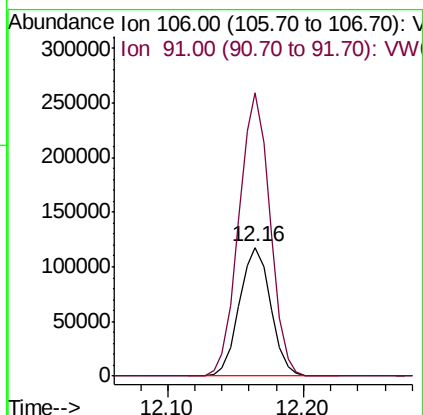
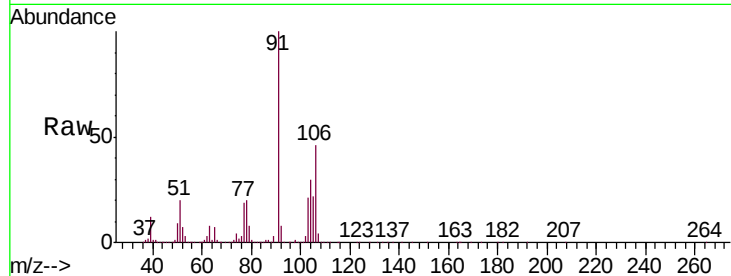




#69
o-Xylene
Concen: 46.950 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

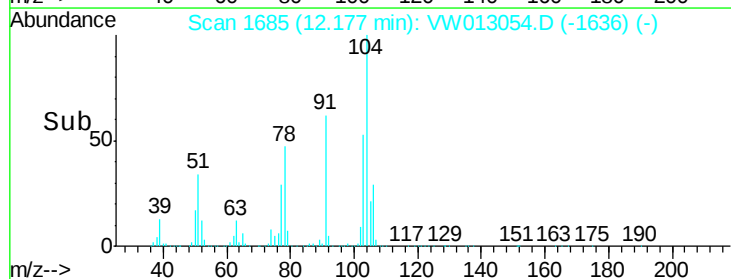
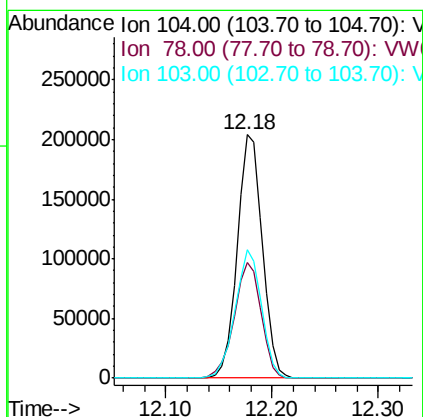
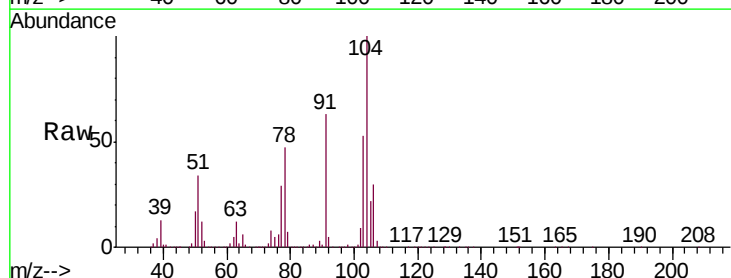
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

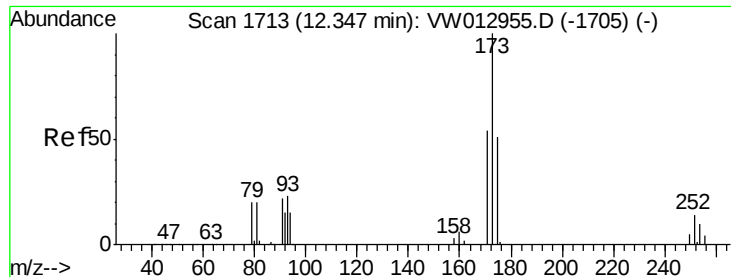
Tgt Ion:106 Resp: 189227
Ion Ratio Lower Upper
106 100
91 219.0 109.7 329.0



#70
Styrene
Concen: 47.029 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Tgt Ion:104 Resp: 337179
Ion Ratio Lower Upper
104 100
78 51.1 42.1 63.1
103 55.3 44.2 66.4

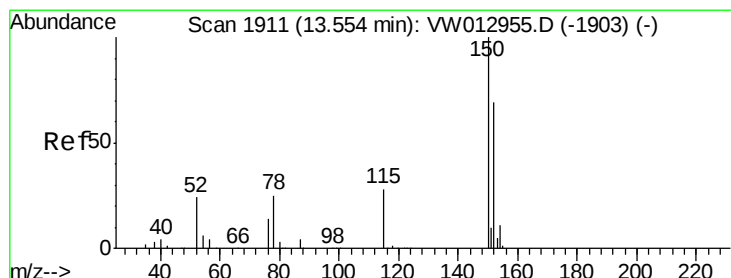
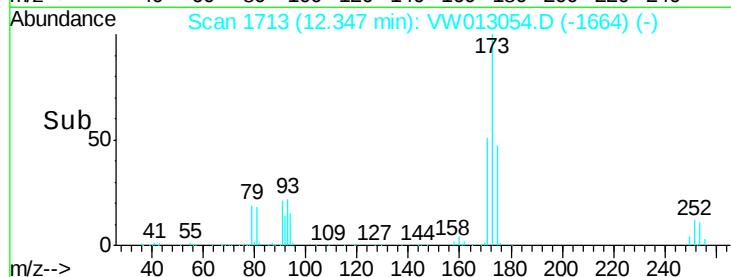
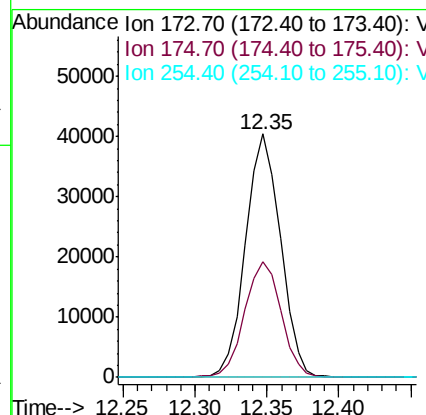
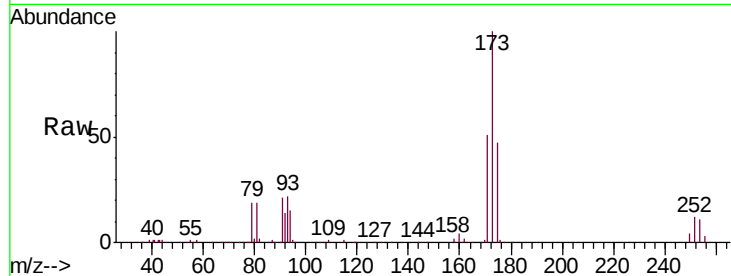




#71
Bromoform
Concen: 52.779 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

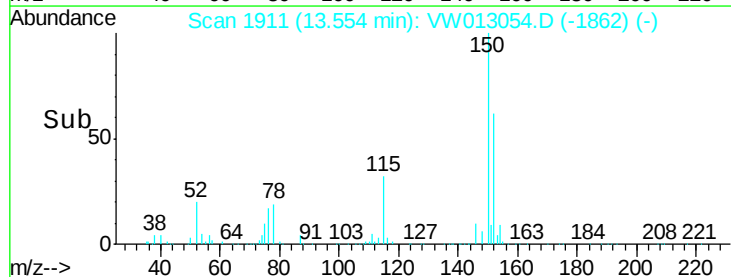
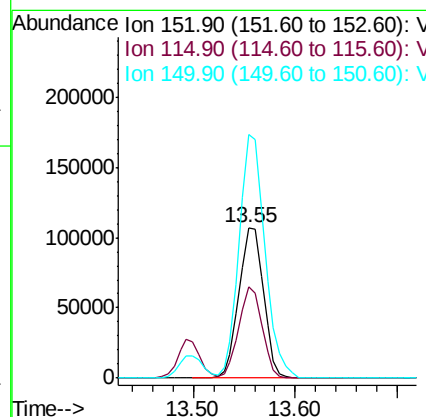
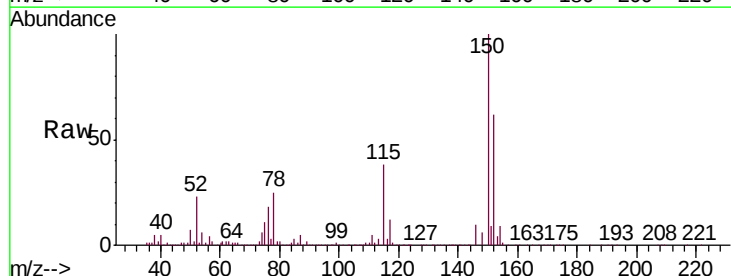
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

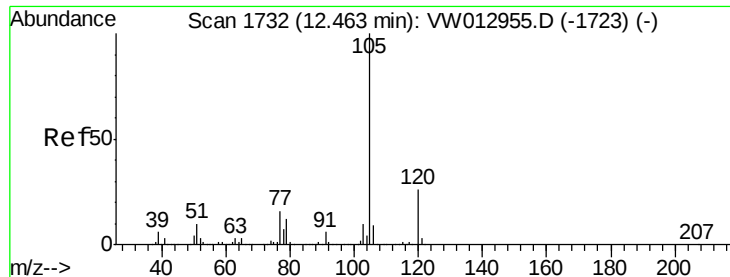
Tgt Ion:173 Resp: 67693
Ion Ratio Lower Upper
173 100
175 49.8 24.2 72.6
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Tgt Ion:152 Resp: 178494
Ion Ratio Lower Upper
152 100
115 57.0 28.8 86.4
150 169.9 0.0 340.2





#73

Isopropylbenzene

Concen: 47.812 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Instrument :

MSVOA_W

ClientSampleId :

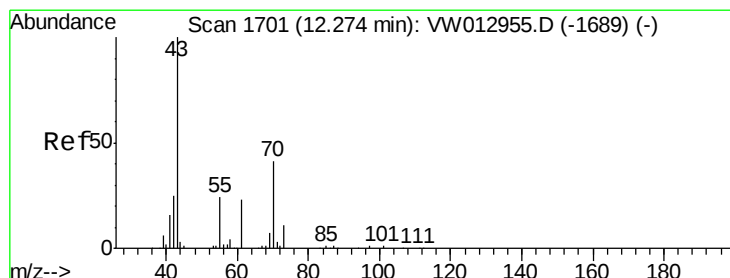
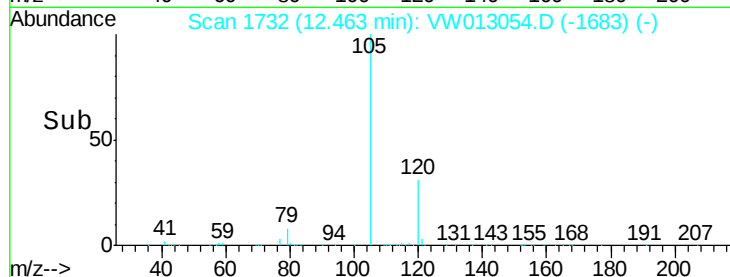
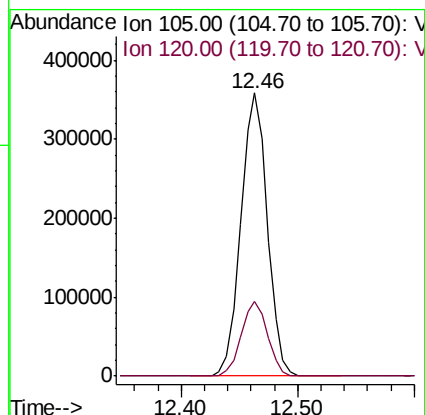
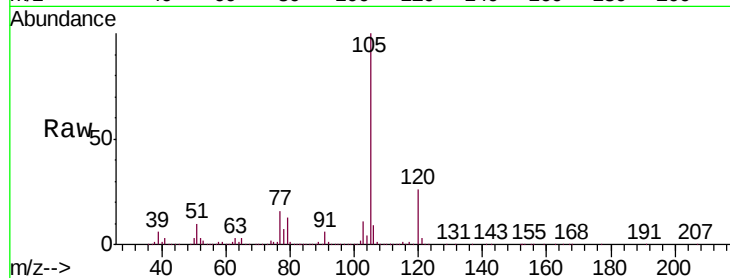
VSTDCCC050EC

Tgt Ion: 105 Resp: 565662

Ion Ratio Lower Upper

105 100

120 26.3 13.0 39.0



#74

N-ethyl acetate

Concen: 60.842 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Tgt Ion: 43 Resp: 185168

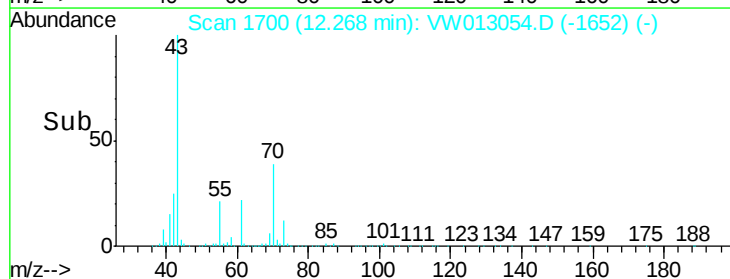
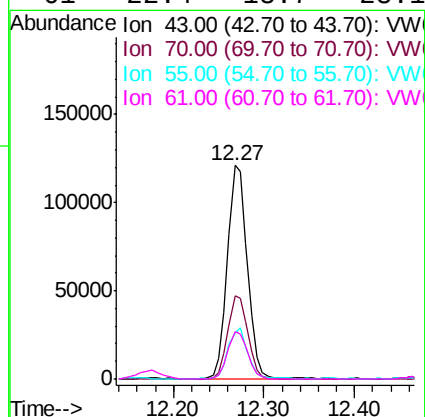
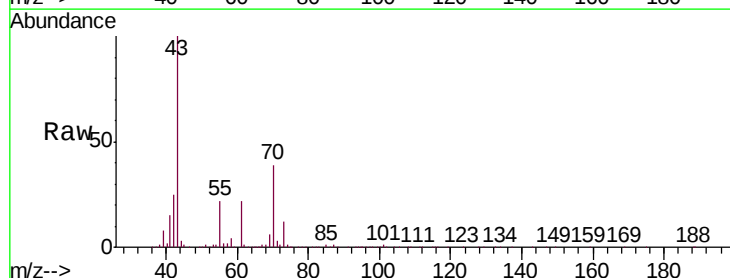
Ion Ratio Lower Upper

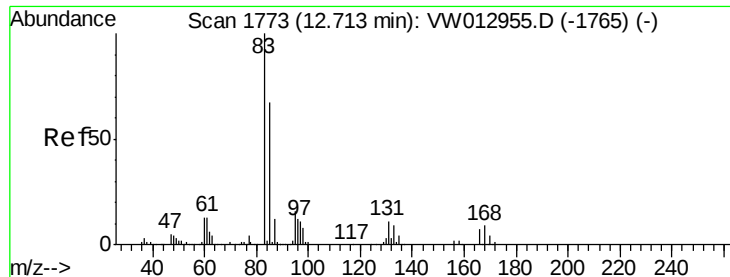
43 100

70 39.5 31.7 47.5

55 23.2 19.4 29.2

61 22.4 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 59.662 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

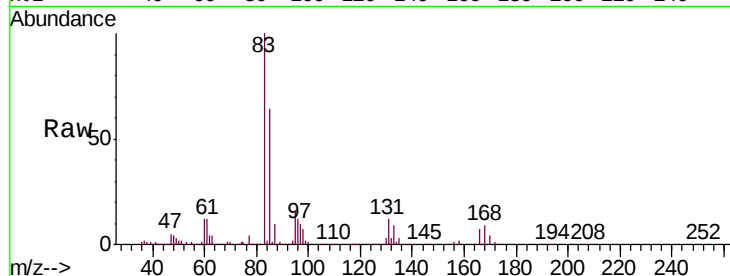
Tgt Ion: 83 Resp: 123976

Ion Ratio Lower Upper

83 100

131 11.3 5.7 17.1

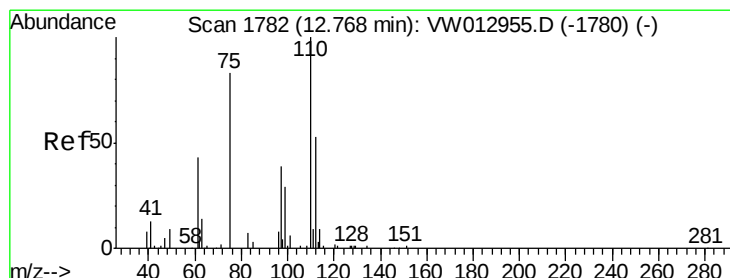
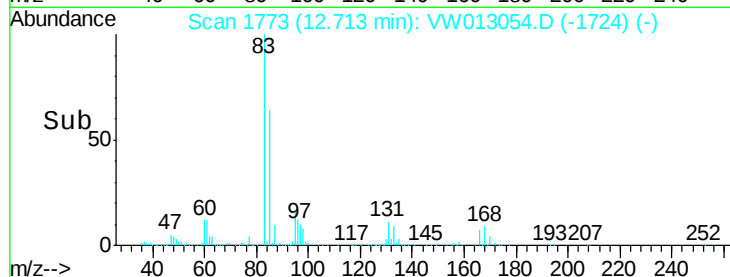
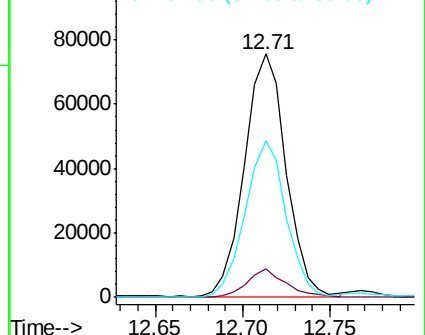
85 64.1 31.4 94.3



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: 102.438 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013054.D

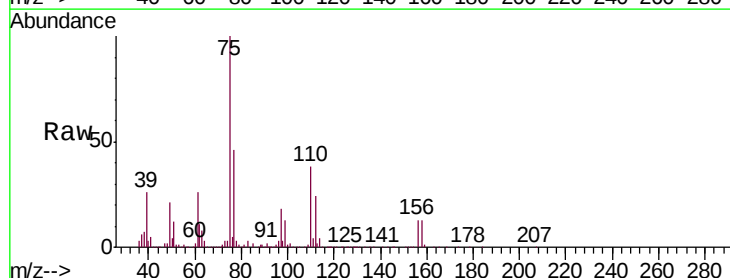
Acq: 16 Sep 2019 20:42

Tgt Ion: 75 Resp: 160159

Ion Ratio Lower Upper

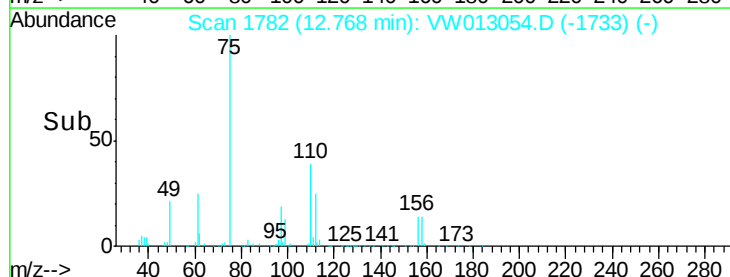
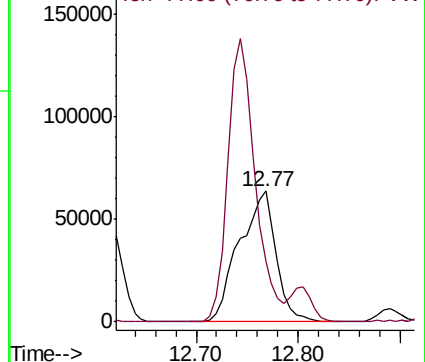
75 100

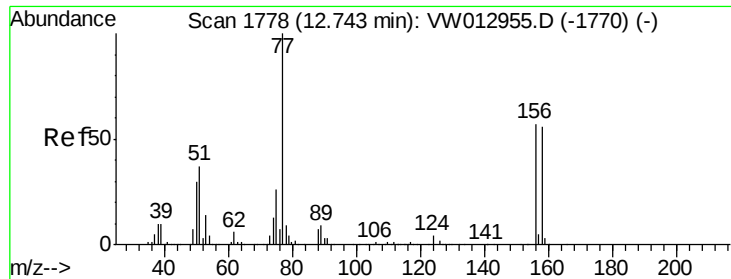
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 48.644 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

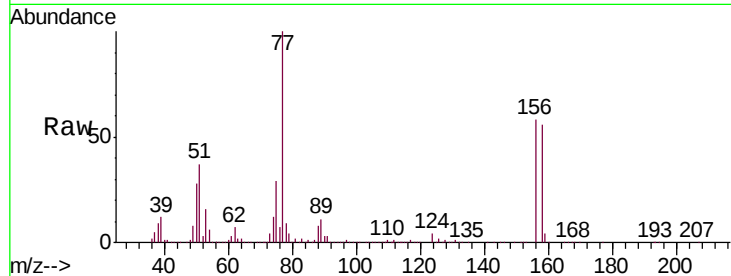
Tgt Ion:156 Resp: 132582

Ion Ratio Lower Upper

156 100

77 193.1 95.2 285.6

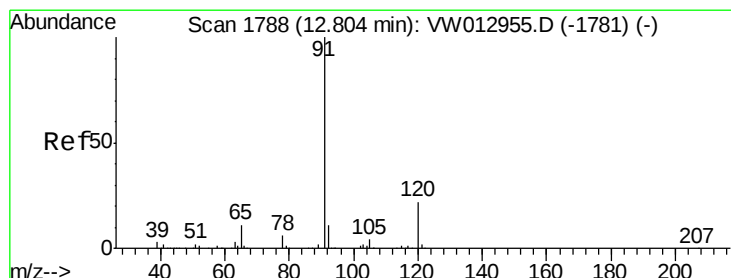
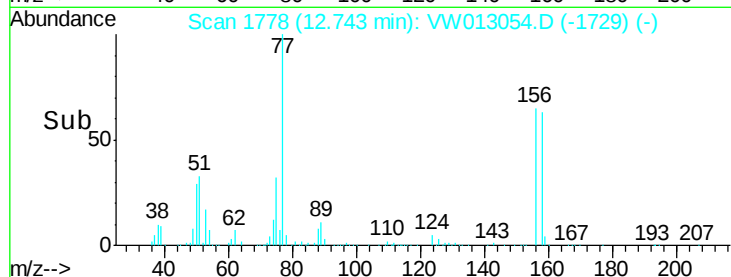
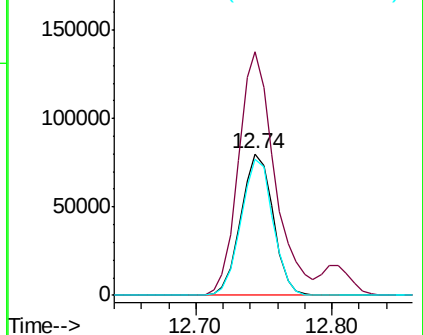
158 95.9 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.909 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013054.D

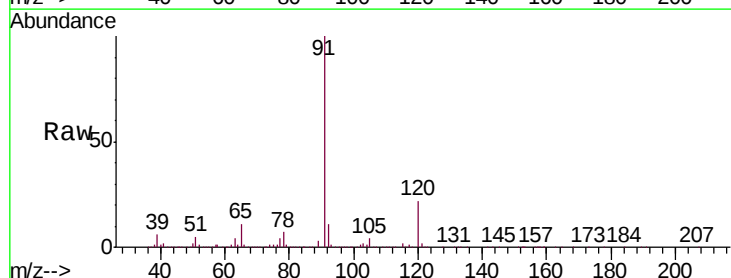
Acq: 16 Sep 2019 20:42

Tgt Ion: 91 Resp: 666747

Ion Ratio Lower Upper

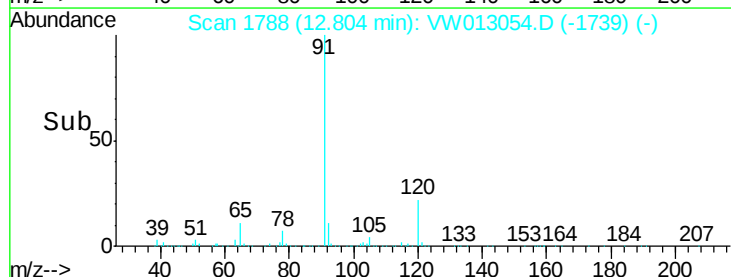
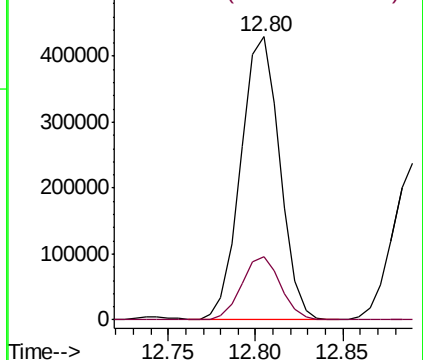
91 100

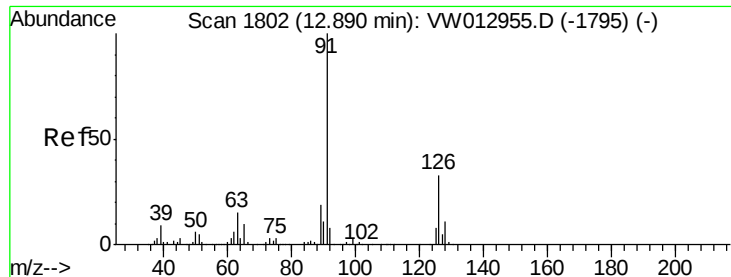
120 22.3 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.312 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Instrument :

MSVOA_W

ClientSampleId :

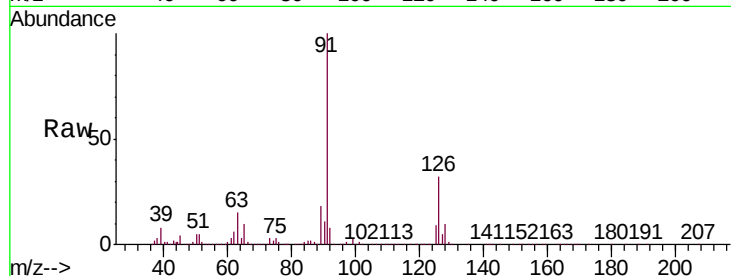
VSTDCCC050EC

Tgt Ion: 91 Resp: 378504

Ion Ratio Lower Upper

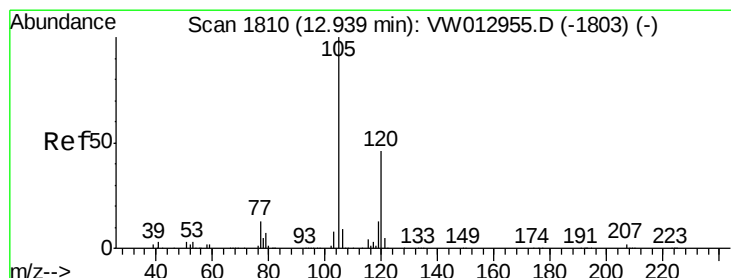
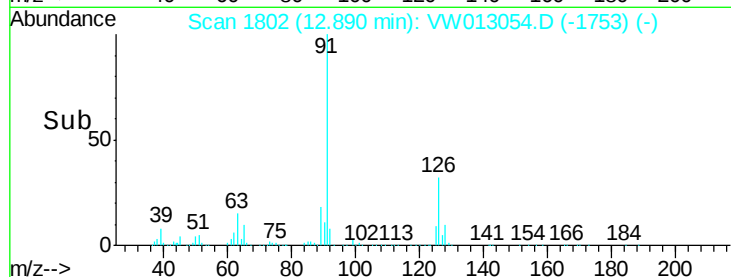
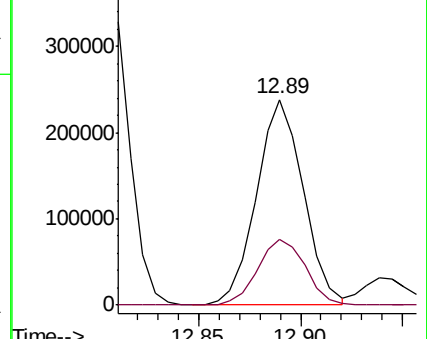
91 100

126 32.7 16.5 49.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 47.926 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW013054.D

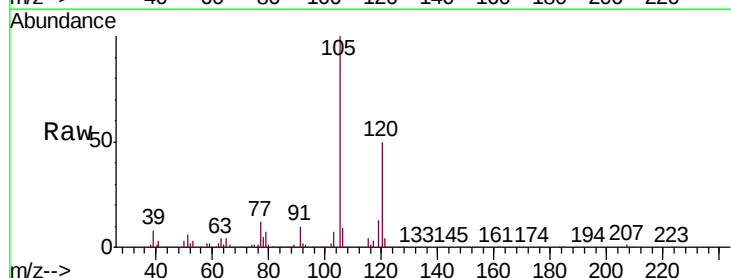
Acq: 16 Sep 2019 20:42

Tgt Ion: 105 Resp: 479699

Ion Ratio Lower Upper

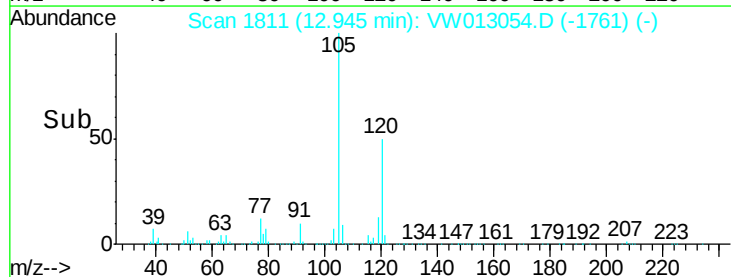
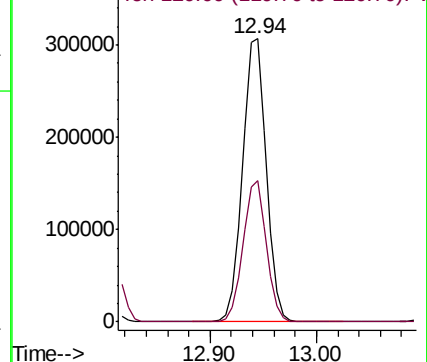
105 100

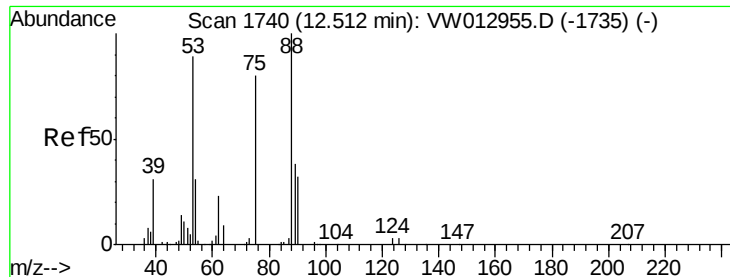
120 49.0 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 58.732 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

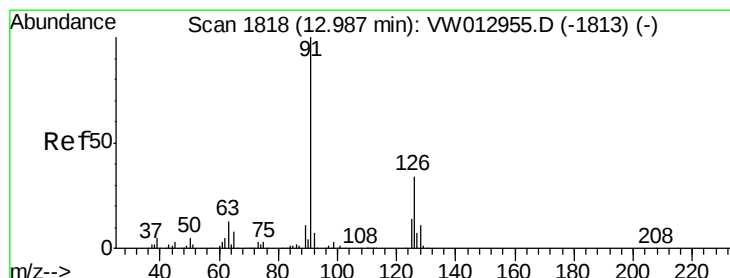
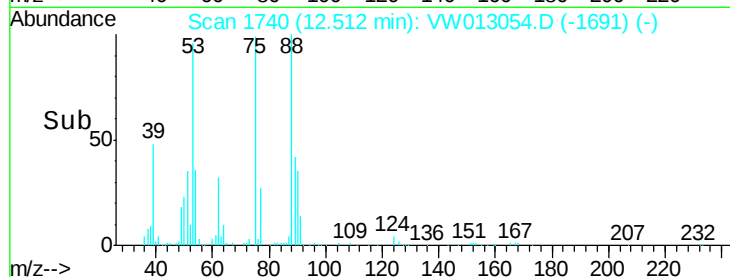
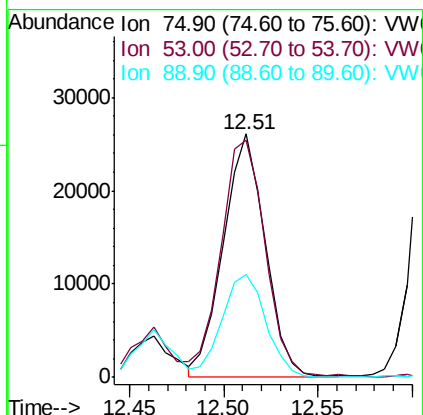
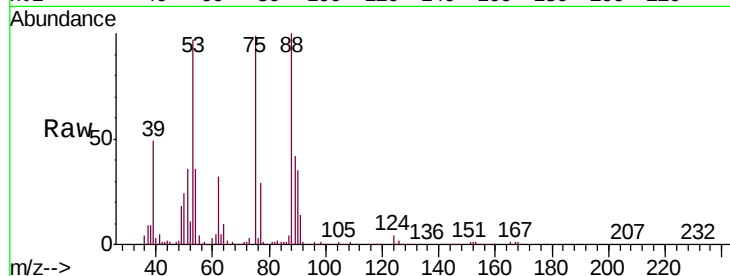
Tgt Ion: 75 Resp: 40479

Ion Ratio Lower Upper

75 100

53 103.3 85.6 128.4

89 44.5 37.2 55.8



#82

4-Chlorotoluene

Concen: 47.114 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW013054.D

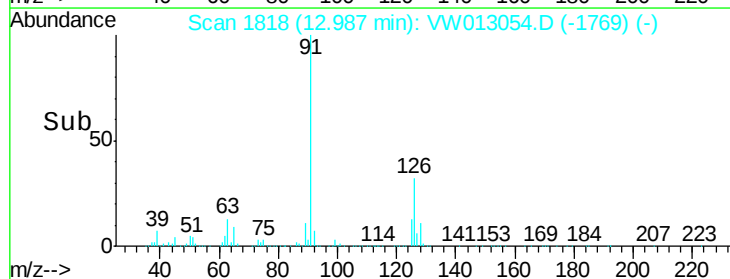
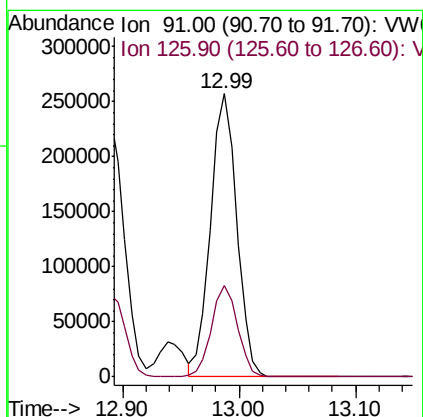
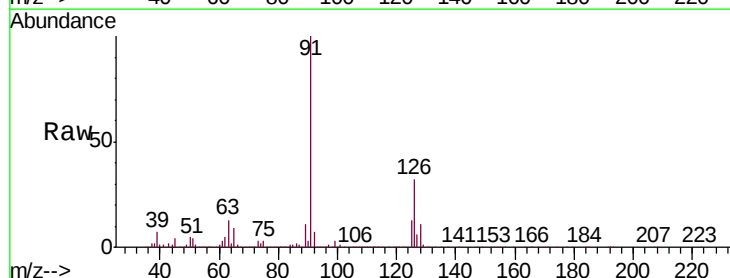
Acq: 16 Sep 2019 20:42

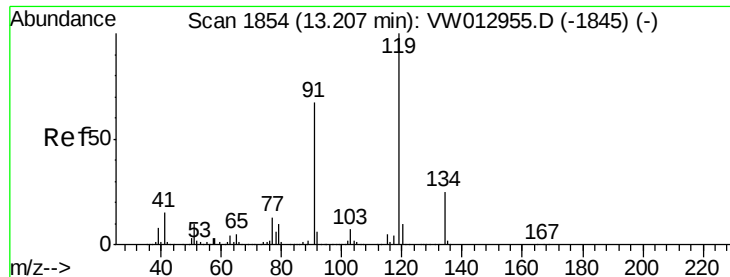
Tgt Ion: 91 Resp: 397697

Ion Ratio Lower Upper

91 100

126 32.4 16.1 48.3

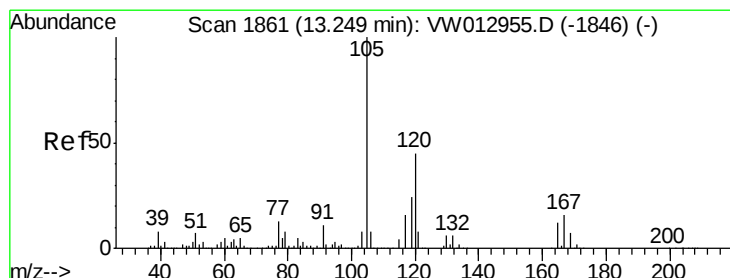
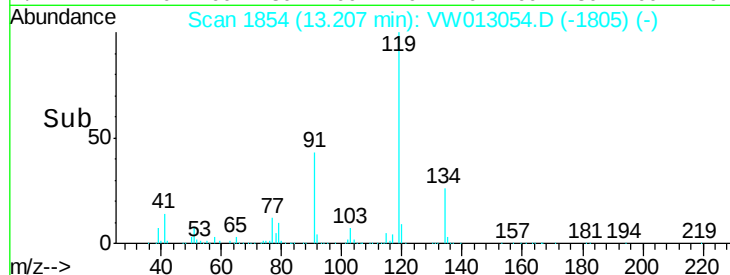
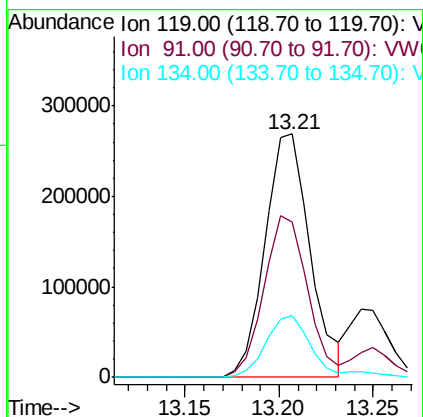
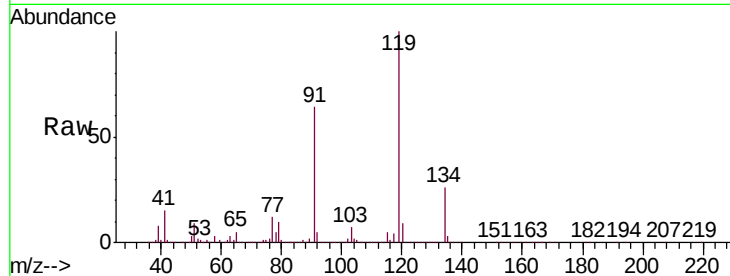




#83
 tert-Butylbenzene
 Concen: 49.962 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW013054.D
 Acq: 16 Sep 2019 20:42

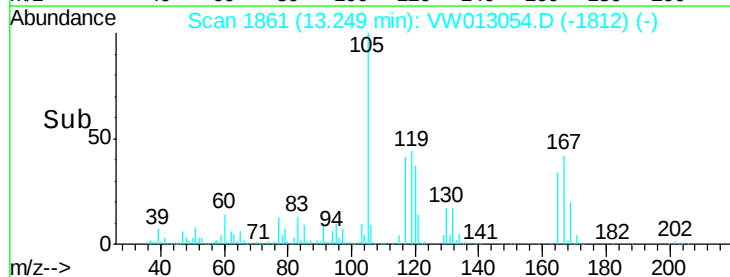
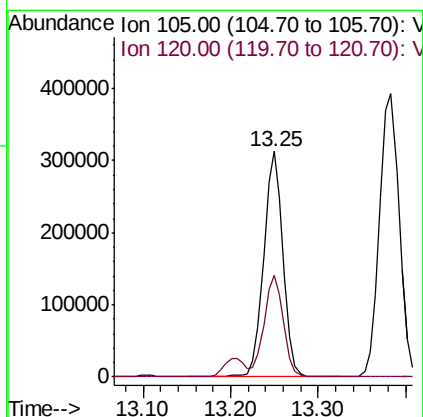
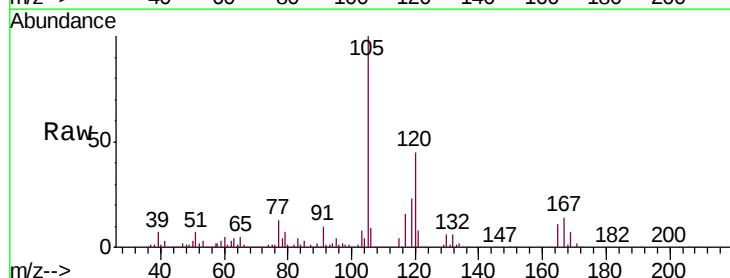
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

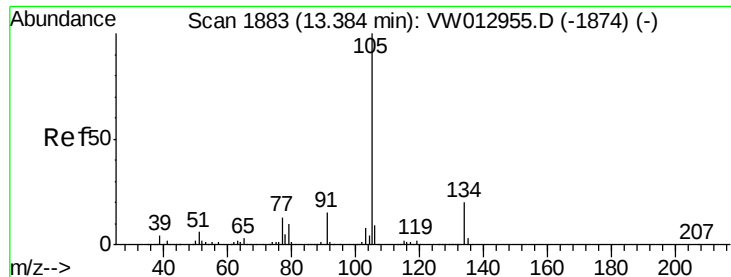
Tgt Ion:119 Resp: 447302
 Ion Ratio Lower Upper
 119 100
 91 64.3 32.6 98.0
 134 26.5 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 48.786 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW013054.D
 Acq: 16 Sep 2019 20:42

Tgt Ion:105 Resp: 482527
 Ion Ratio Lower Upper
 105 100
 120 45.2 21.9 65.7

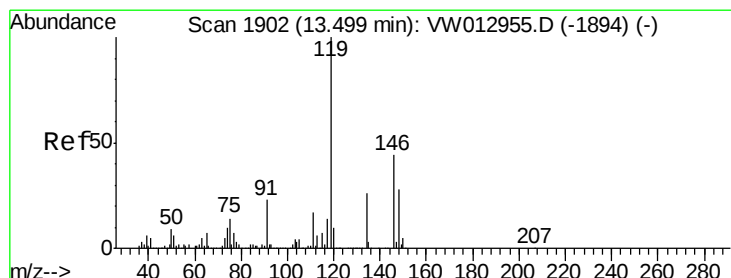
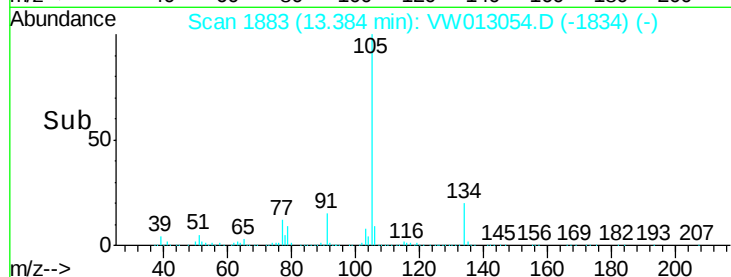
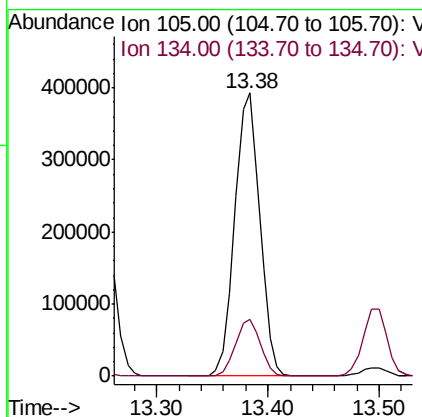
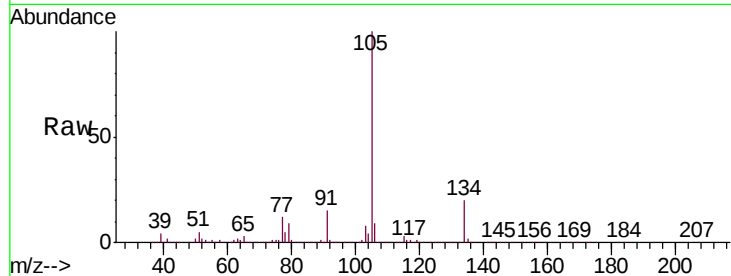




#85
 sec-Butylbenzene
 Concen: 50.099 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW013054.D
 Acq: 16 Sep 2019 20:42

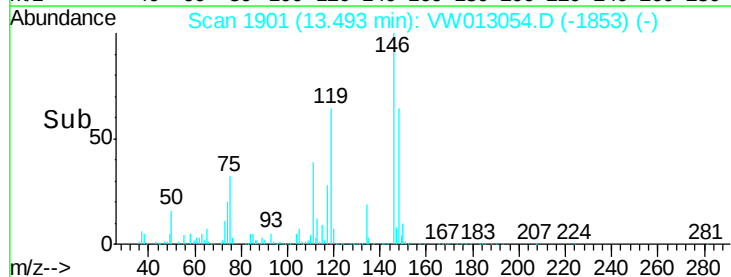
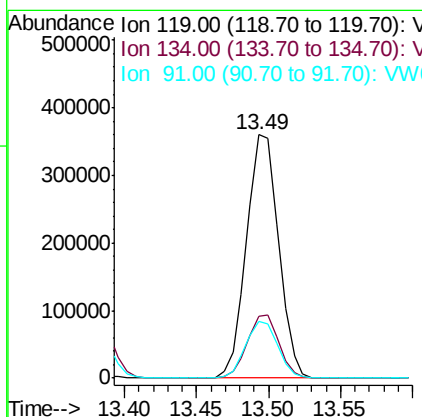
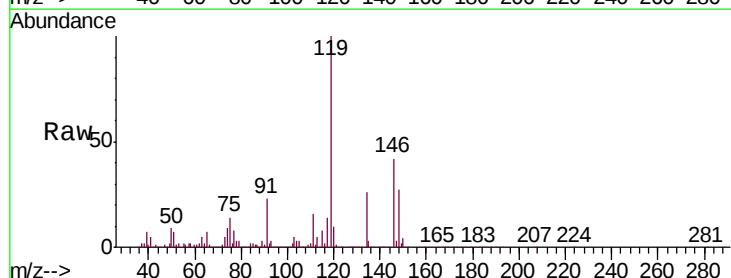
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

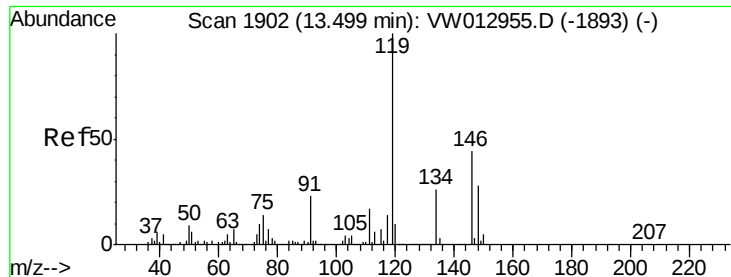
Tgt Ion:105 Resp: 611090
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 49.318 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW013054.D
 Acq: 16 Sep 2019 20:42

Tgt Ion:119 Resp: 552309
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.8 38.3
 91 23.3 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 47.314 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

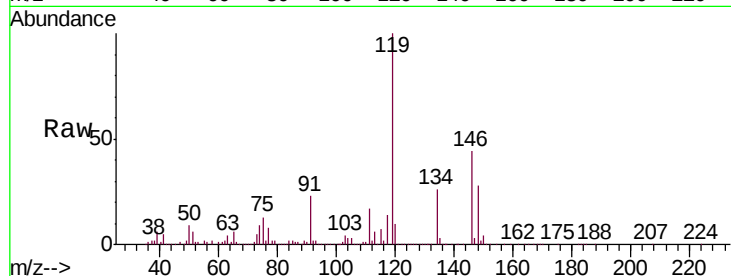
Tgt Ion:146 Resp: 255286

Ion Ratio Lower Upper

146 100

111 39.4 19.8 59.4

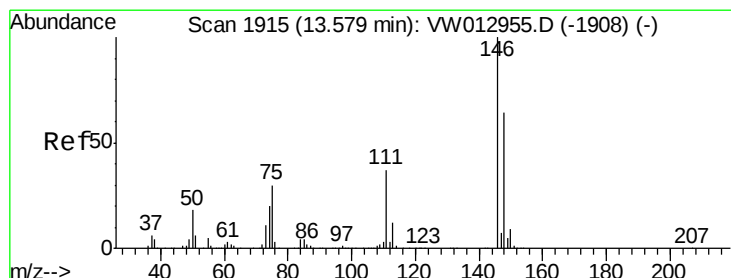
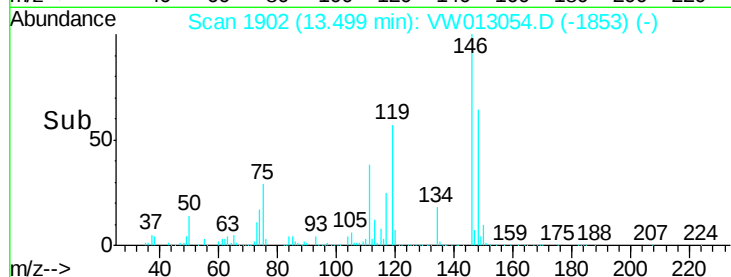
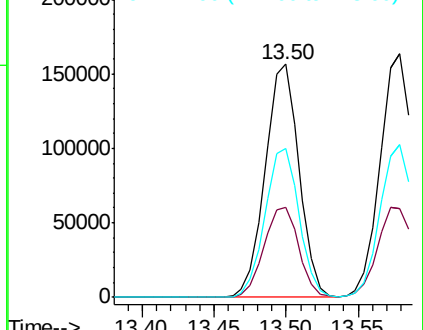
148 64.3 31.9 95.7



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: 48.884 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

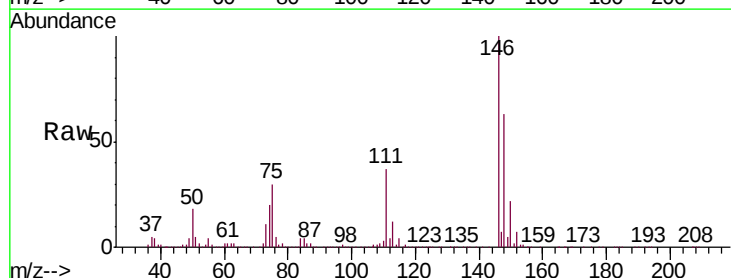
Tgt Ion:146 Resp: 259195

Ion Ratio Lower Upper

146 100

111 38.9 19.4 58.2

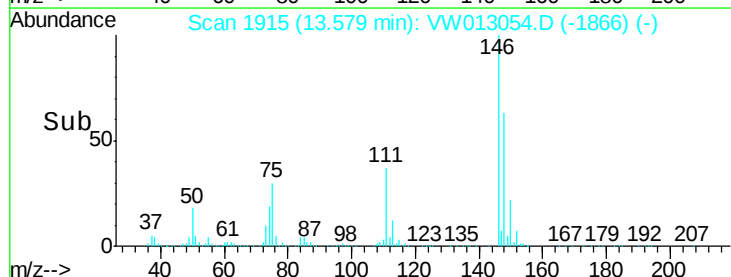
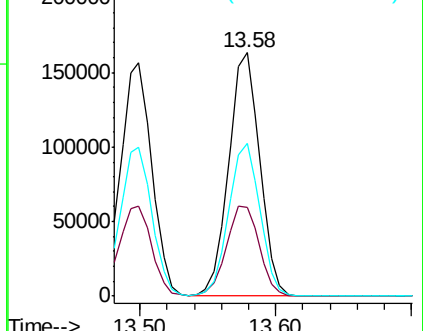
148 63.3 31.9 95.5

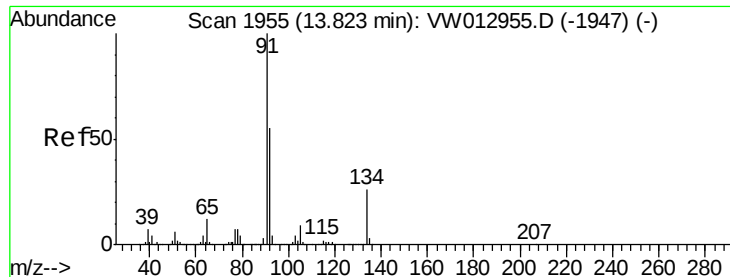


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 49.562 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

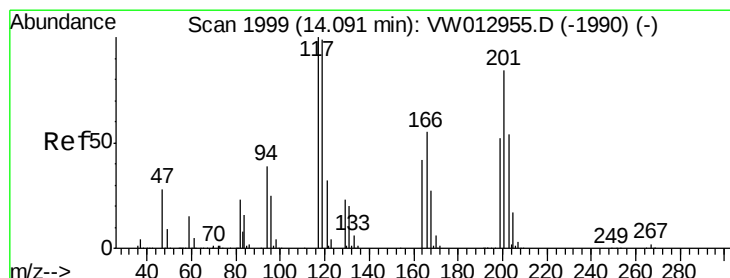
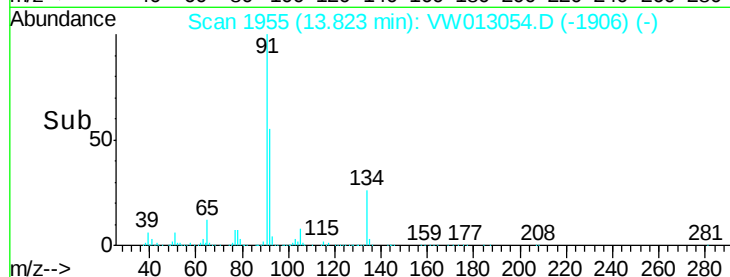
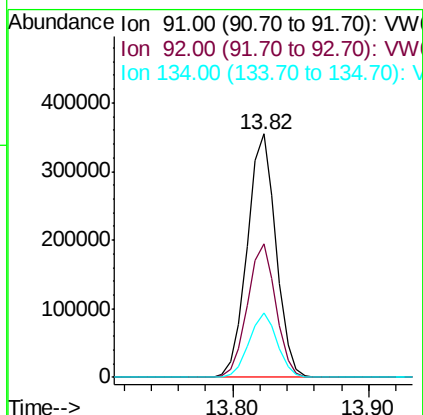
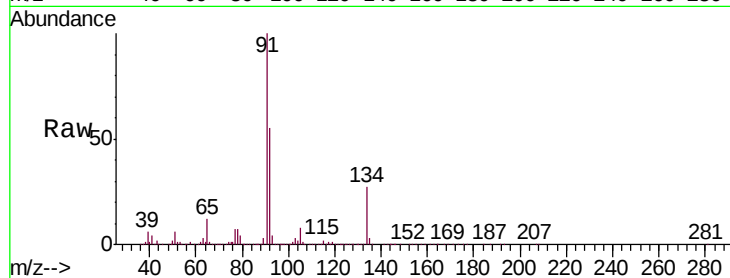
Tgt Ion: 91 Resp: 523444

Ion Ratio Lower Upper

91 100

92 54.5 27.2 81.5

134 26.0 13.1 39.1



#90

Hexachloroethane

Concen: 49.212 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW013054.D

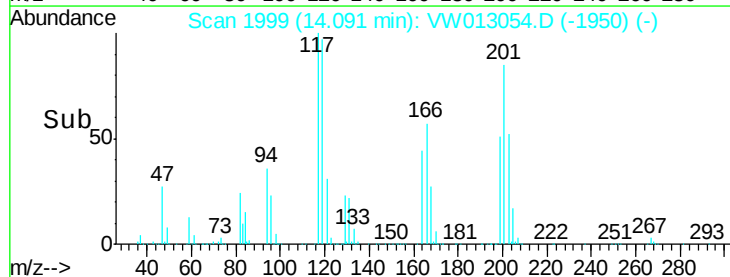
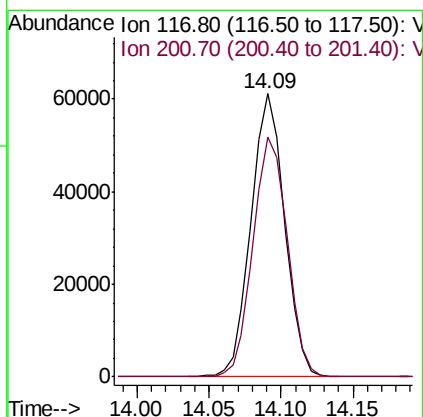
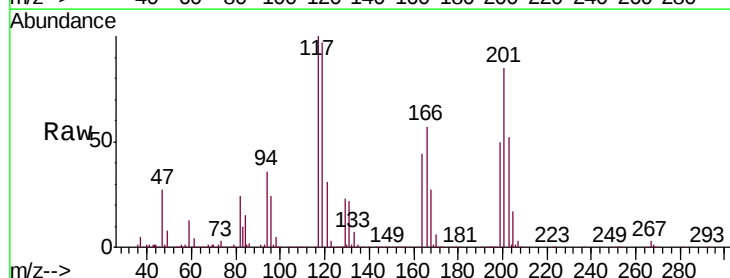
Acq: 16 Sep 2019 20:42

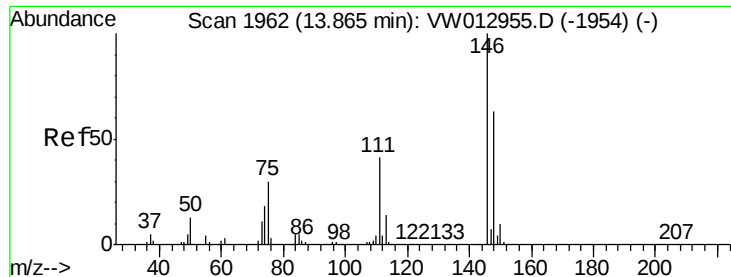
Tgt Ion: 117 Resp: 98762

Ion Ratio Lower Upper

117 100

201 86.3 45.3 135.9





#91

1,2-Dichlorobenzene

Concen: 50.552 ug/l

RT: 13.87 min Scan# 1962

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

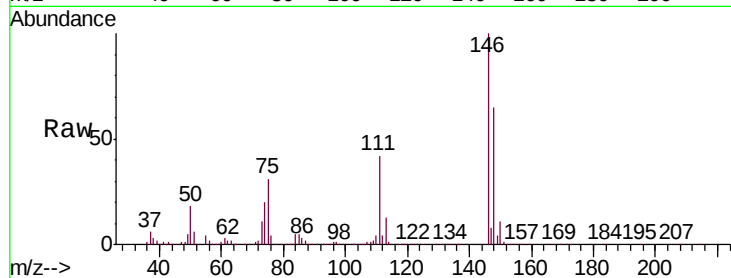
Tgt Ion: 146 Resp: 239861

Ion Ratio Lower Upper

146 100

111 40.8 20.8 62.5

148 65.2 32.7 98.1



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

13.87

150000

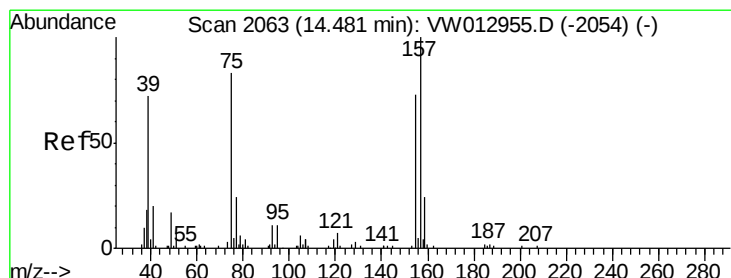
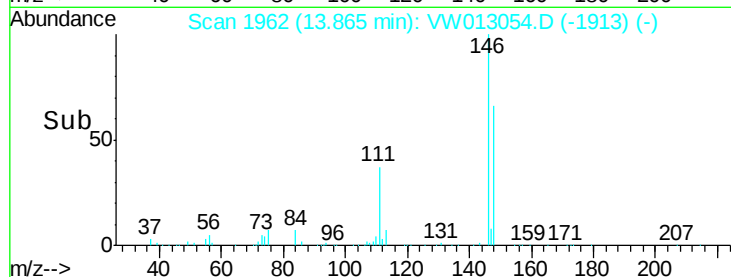
100000

50000

0

13.80 13.90

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 64.641 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

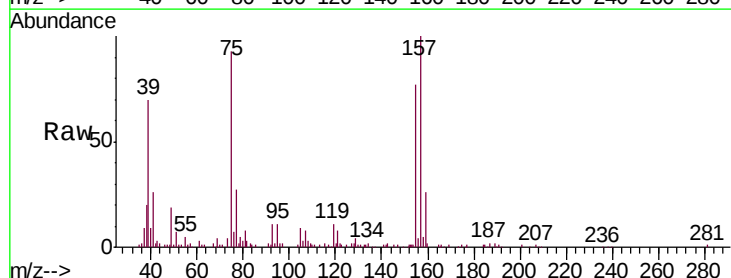
Tgt Ion: 75 Resp: 24587

Ion Ratio Lower Upper

75 100

155 85.2 43.3 129.9

157 112.1 54.7 164.1



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

14.48

20000

15000

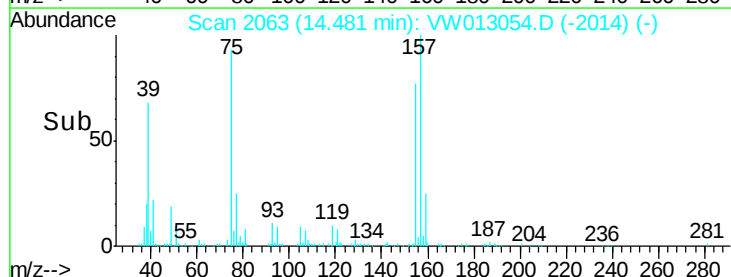
10000

5000

0

14.40 14.50 14.60

Time-->

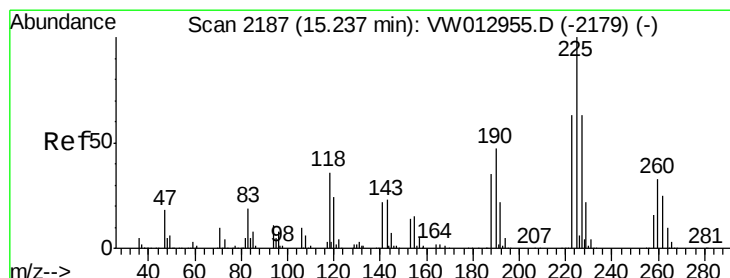
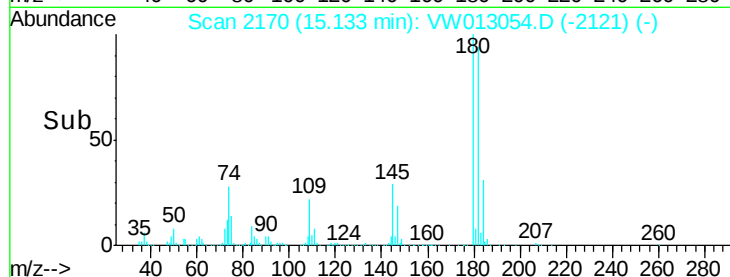
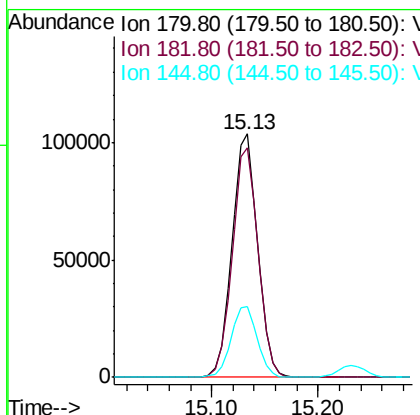
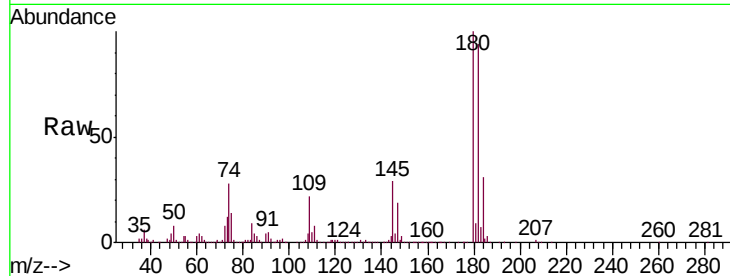




#93
 1,2,4-Trichlorobenzene
 Concen: 51.474 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013054.D
 Acq: 16 Sep 2019 20:42

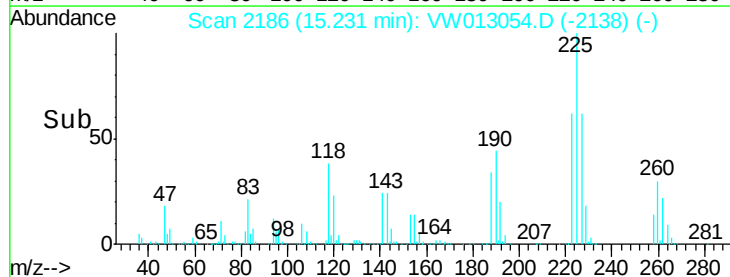
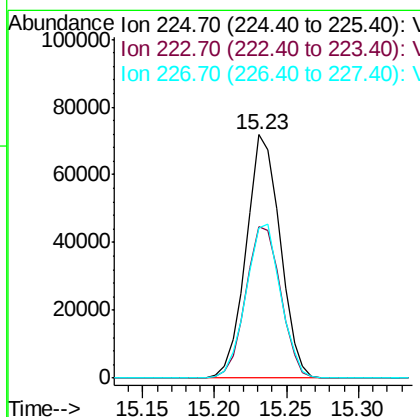
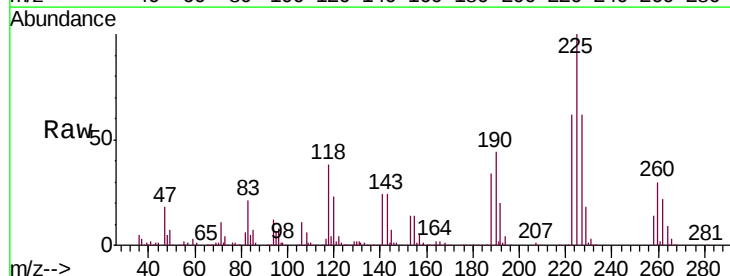
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

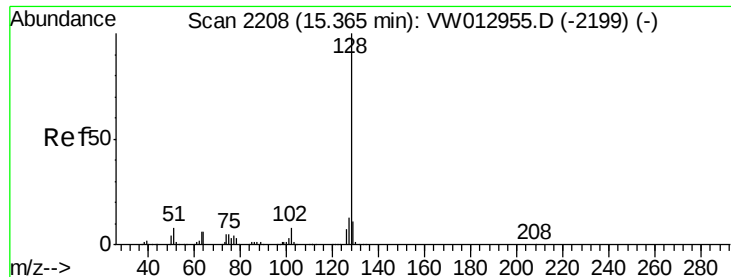
Tgt Ion:180 Resp: 174181
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.4 142.2
 145 29.4 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 48.921 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW013054.D
 Acq: 16 Sep 2019 20:42

Tgt Ion:225 Resp: 117190
 Ion Ratio Lower Upper
 225 100
 223 64.0 31.8 95.3
 227 64.4 31.3 93.8

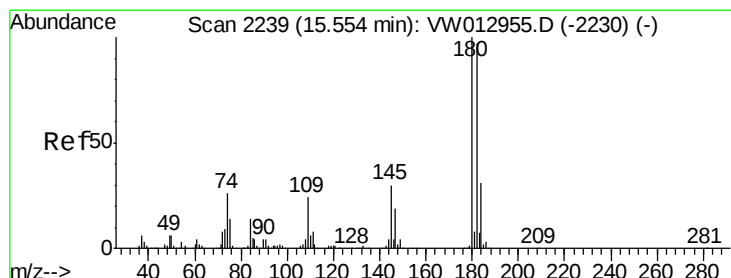
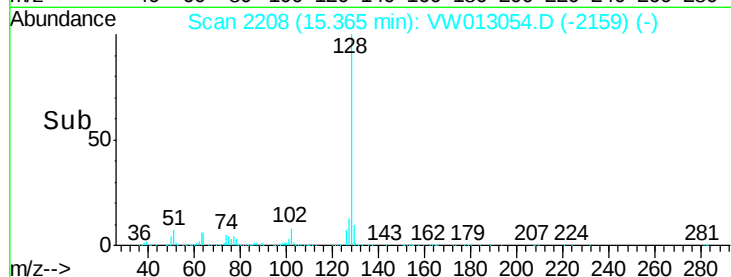
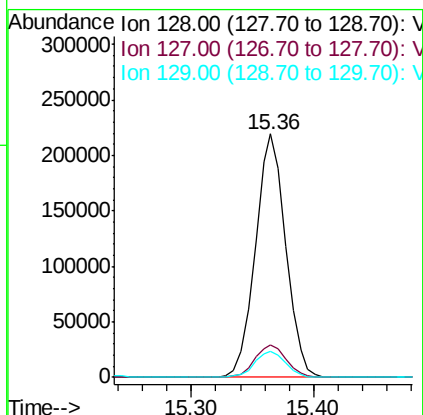
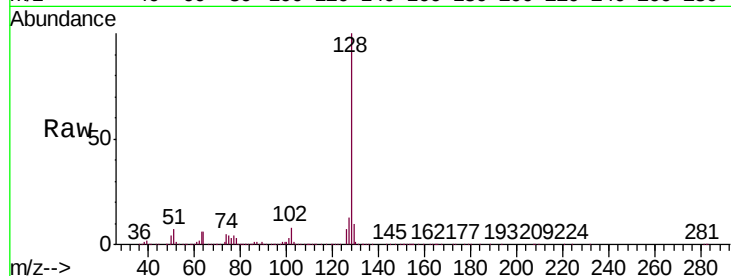




#95
Naphthalene
Concen: 66.749 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 377402
Ion Ratio Lower Upper
128 100
127 13.7 11.0 16.6
129 11.1 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 53.547 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Tgt Ion:180 Resp: 160173
Ion Ratio Lower Upper
180 100
182 94.6 47.6 142.8
145 31.4 15.4 46.2

