

Data File : VW013128.D
Acq On : 18 Sep 2019 21:37
Operator : SY/VA
Sample : VSTDCCC050EC
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Quant Time: Sep 19 07:59:16 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	352955	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	548664	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	481405	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	238415	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	143513	44.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.06%	
35) Dibromofluoromethane	7.88	113	137207	46.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.18%	
50) Toluene-d8	10.32	98	563388	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
62) 4-Bromofluorobenzene	12.62	95	199858	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	49883	35.638	ug/l	95
3) Chloromethane	2.20	50	72492	41.894	ug/l	99
4) Vinyl Chloride	2.36	62	99131	39.239	ug/l	99
5) Bromomethane	2.76	94	63927	41.436	ug/l	99
6) Chloroethane	2.91	64	65366	42.187	ug/l	97
7) Trichlorofluoromethane	3.25	101	60426	34.204	ug/l	96
8) Diethyl Ether	3.68	74	66868	48.474	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	113400	42.322	ug/l	99
10) Methyl Iodide	4.26	142	157370	46.930	ug/l	94
11) Tert butyl alcohol	5.18	59	47581	213.064	ug/l #	85
12) 1,1-Dichloroethene	4.04	96	105196	43.179	ug/l	92
13) Acrolein	3.89	56	43729	180.007	ug/l	98
14) Allyl chloride	4.66	41	186671	40.360	ug/l	93
15) Acrylonitrile	5.36	53	168692	239.431	ug/l	99
16) Acetone	4.12	43	128850	176.408	ug/l	91
17) Carbon Disulfide	4.38	76	161014	33.164	ug/l	98
18) Methyl Acetate	4.67	43	83720	45.079	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	233180	48.487	ug/l	97
20) Methylene Chloride	4.90	84	130557	49.525	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	119561	45.820	ug/l	98
22) Diisopropyl ether	6.31	45	446274	46.446	ug/l	95
23) Vinyl Acetate	6.25	43	1275526	221.643	ug/l #	95
24) 1,1-Dichloroethane	6.21	63	247307	44.641	ug/l	97
25) 2-Butanone	7.17	43	217550	209.882	ug/l	94
26) 2,2-Dichloropropane	7.16	77	138704	38.450	ug/l	94
27) cis-1,2-Dichloroethene	7.17	96	154149	49.344	ug/l	89
28) Bromochloromethane	7.51	49	117229	50.275	ug/l	92
29) Tetrahydrofuran	7.52	42	138635	234.736	ug/l	96
30) Chloroform	7.67	83	247777	44.018	ug/l	98
31) Cyclohexane	7.95	56	184236	43.773	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	188038	40.564	ug/l	97
36) 1,1-Dichloropropene	8.08	75	174844	39.880	ug/l	97
37) Ethyl Acetate	7.24	43	96870	41.626	ug/l	97
38) Carbon Tetrachloride	8.06	117	165942	36.934	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	200389	41.711	ug/l	95
40) Benzene	8.32	78	536845	43.862	ug/l	99
41) Methacrylonitrile	7.48	41	61371	40.046	ug/l	92
42) 1,2-Dichloroethane	8.40	62	156512	38.146	ug/l	94
43) Isopropyl Acetate	8.42	43	187226	41.902	ug/l	96
44) Trichloroethene	9.09	130	147790	44.083	ug/l	90
45) 1,2-Dichloropropane	9.37	63	146479	45.045	ug/l	98
46) Dibromomethane	9.46	93	69151	44.386	ug/l	98
47) Bromodichloromethane	9.64	83	177998	40.731	ug/l	100
48) Methyl methacrylate	9.43	41	87082	41.527	ug/l	92
49) 1,4-Dioxane	9.46	88	21062	806.802	ug/l #	91
51) 4-Methyl-2-Pentanone	10.21	43	494685	214.445	ug/l	94
52) Toluene	10.38	92	354257	45.549	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	184997	42.092	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	217612	43.273	ug/l	90
55) 1,1,2-Trichloroethane	10.79	97	114631	48.299	ug/l	99
56) Ethyl methacrylate	10.65	69	153246	47.970	ug/l #	89
57) 1,3-Dichloropropane	10.93	76	197009	46.794	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	423645	247.211	ug/l	97
59) 2-Hexanone	10.97	43	336614	209.564	ug/l	95
60) Dibromochloromethane	11.13	129	127107	44.297	ug/l	99
61) 1,2-Dibromoethane	11.23	107	102993	47.570	ug/l	100
64) Tetrachloroethene	10.86	164	130945	45.723	ug/l	95
65) Chlorobenzene	11.66	112	392712	45.798	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	144823	44.072	ug/l	98
67) Ethyl Benzene	11.73	91	700702	44.245	ug/l	99
68) m/p-Xylenes	11.84	106	529380	91.502	ug/l	95
69) o-Xylene	12.16	106	258669	47.690	ug/l	95
70) Styrene	12.18	104	454794	47.136	ug/l	96
71) Bromoform	12.35	173	74684	43.268	ug/l #	99
73) Isopropylbenzene	12.46	105	714419	45.208	ug/l	100
74) N-amyl acetate	12.27	43	179414	44.135	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	132274	47.657	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	166270	79.619	ug/l #	100
77) Bromobenzene	12.74	156	169991	46.694	ug/l	96
78) n-propylbenzene	12.80	91	827064	44.492	ug/l	99
79) 2-Chlorotoluene	12.89	91	477031	44.641	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	629983	47.122	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	39173	42.552	ug/l	92
82) 4-Chlorotoluene	12.99	91	496424	44.029	ug/l	96
83) tert-Butylbenzene	13.21	119	537734	44.968	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	616506	46.666	ug/l	96
85) sec-Butylbenzene	13.38	105	738414	45.323	ug/l	100
86) p-Isopropyltoluene	13.50	119	678141	45.335	ug/l	97
87) 1,3-Dichlorobenzene	13.50	146	333554	46.283	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	327709	46.272	ug/l	99
89) n-Butylbenzene	13.82	91	625684	44.353	ug/l	98
90) Hexachloroethane	14.09	117	113422	42.312	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	295587	46.639	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19239	37.868	ug/l	84

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091819\
Quantitation Report (Not Reviewed)

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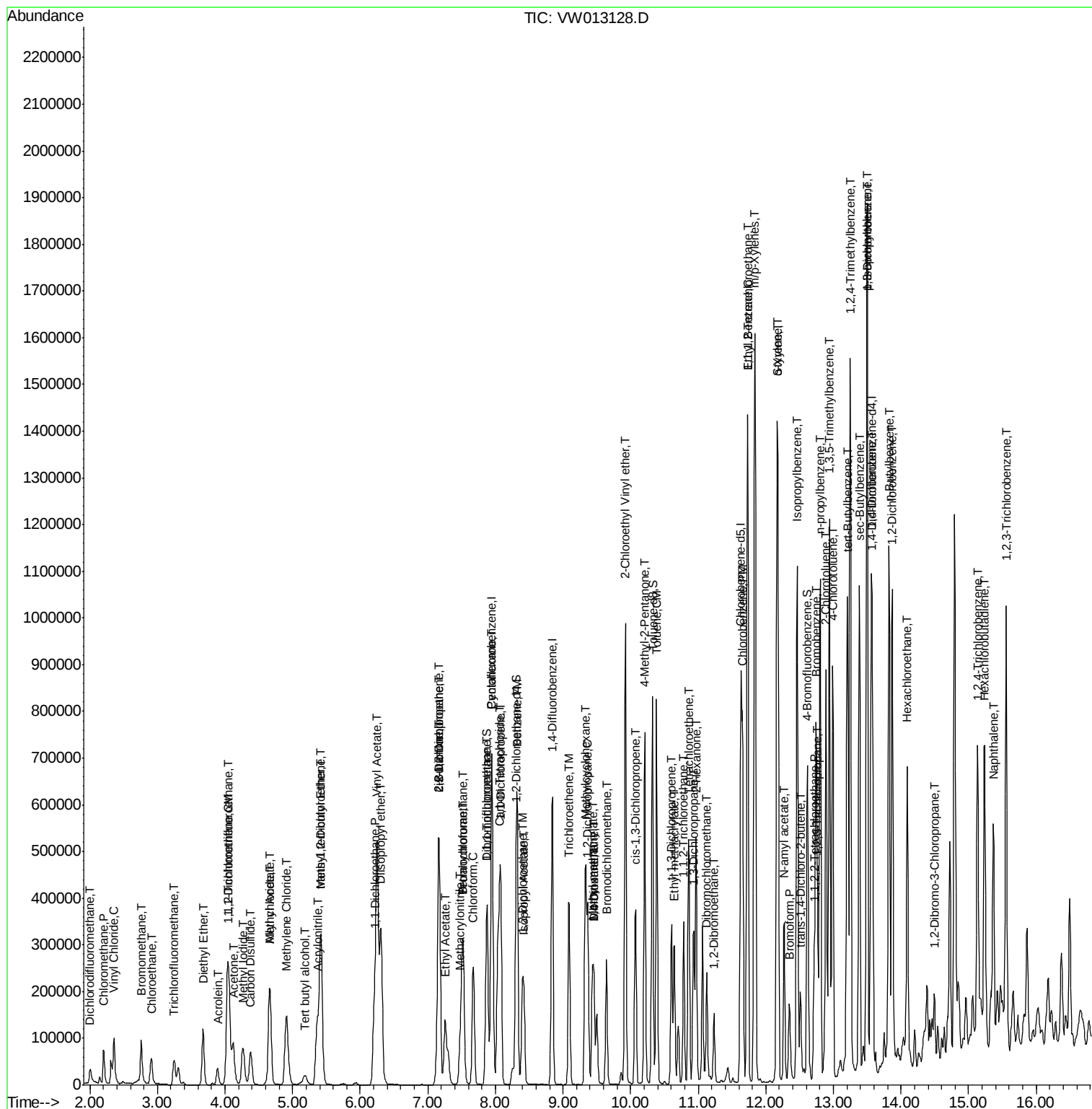
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	221071	48.911	ug/l	98
94) Hexachlorobutadiene	15.24	225	139402	43.567	ug/l	98
95) Naphthalene	15.36	128	405594	53.706	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	196807	49.258	ug/l	96

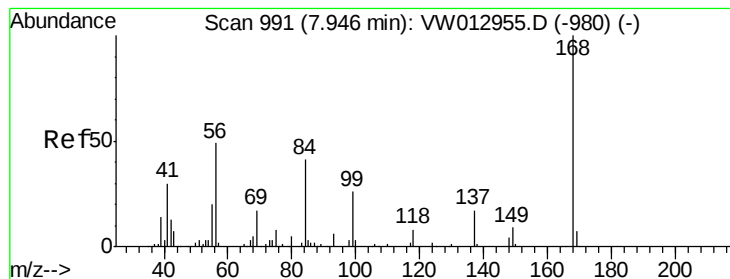
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013128.D

Acq: 18 Sep 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

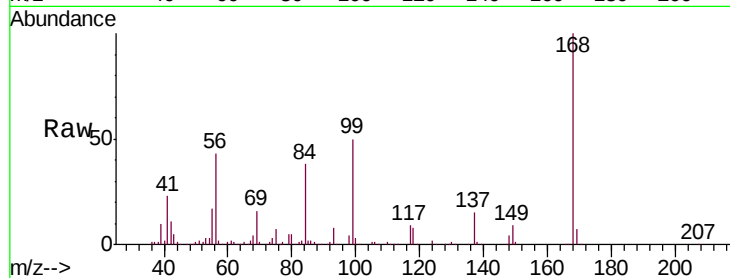
VSTDCCC050EC

Tgt Ion:168 Resp: 352955

Ion Ratio Lower Upper

168 100

99 50.0 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

150000

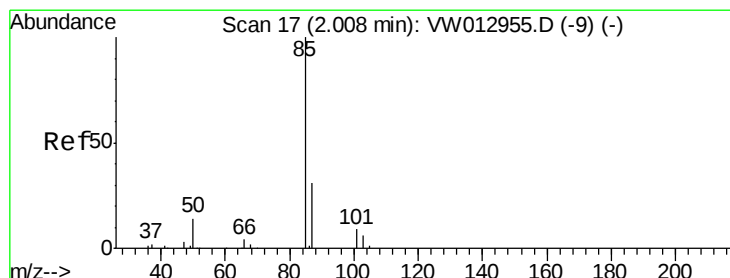
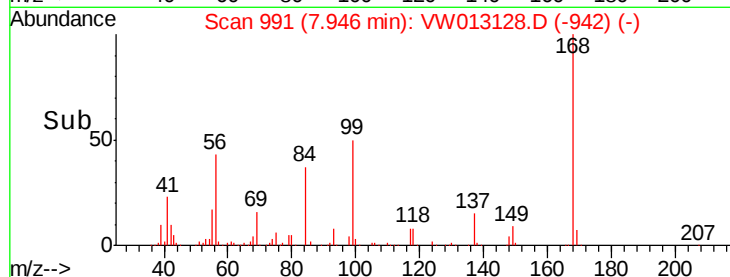
100000

50000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 35.638 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW013128.D

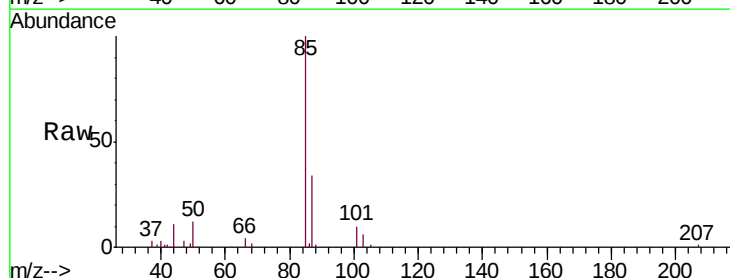
Acq: 18 Sep 2019 21:37

Tgt Ion: 85 Resp: 49883

Ion Ratio Lower Upper

85 100

87 33.7 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

20000

15000

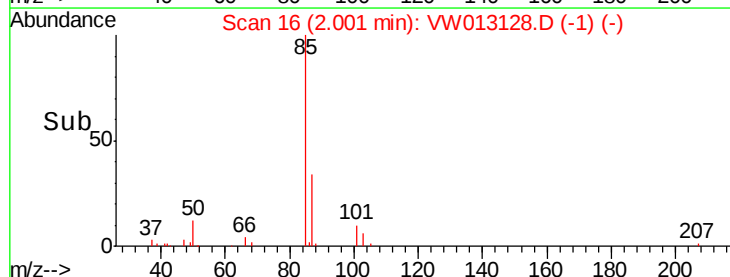
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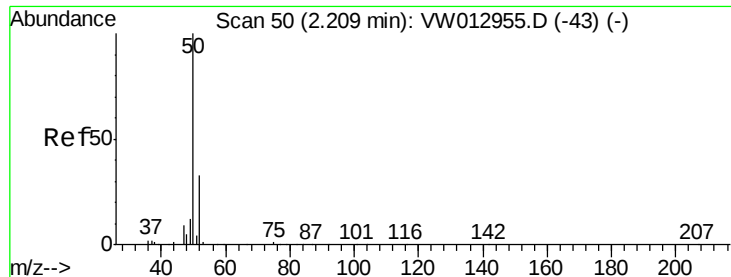
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 41.894 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013128.D

Acq: 18 Sep 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

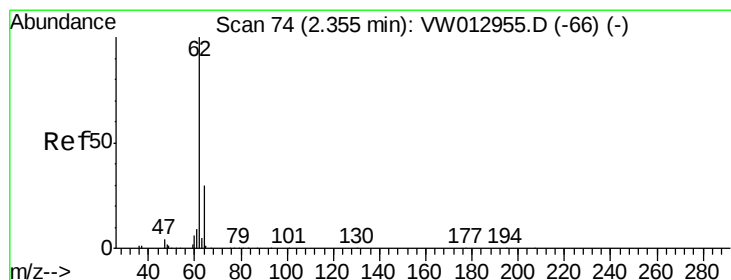
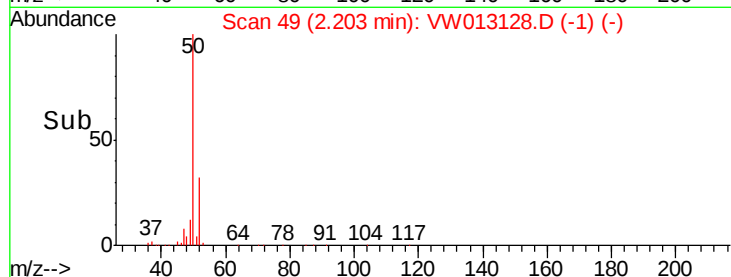
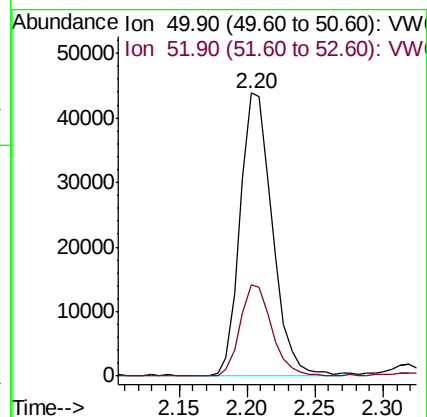
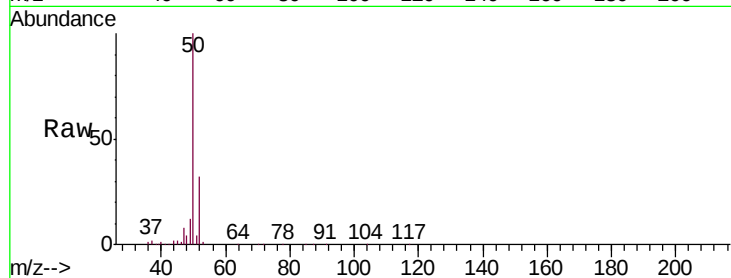
VSTDCCC050EC

Tgt Ion: 50 Resp: 72492

Ion Ratio Lower Upper

50 100

52 32.4 26.6 39.8



#4

Vinyl Chloride

Concen: 39.239 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW013128.D

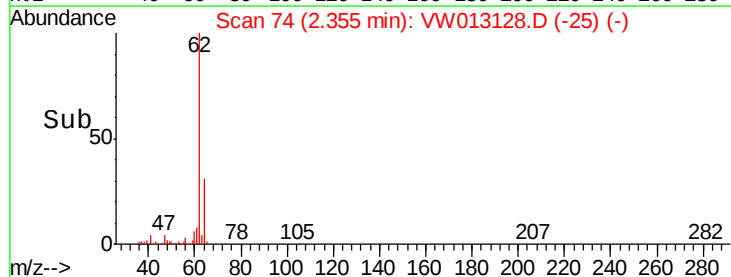
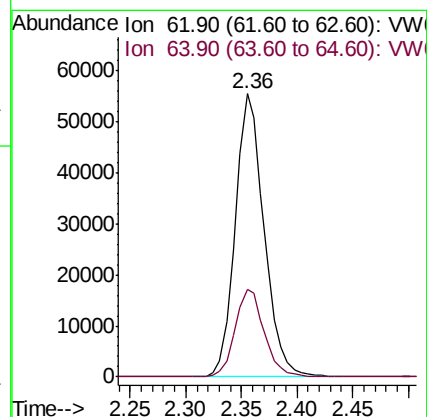
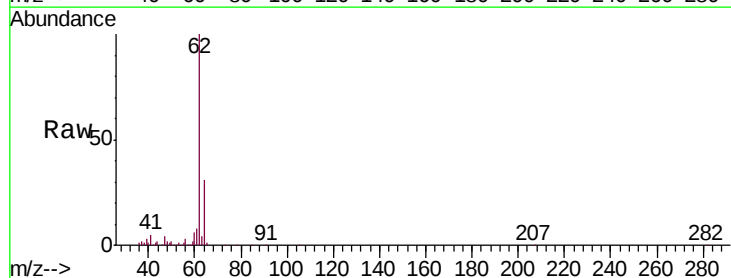
Acq: 18 Sep 2019 21:37

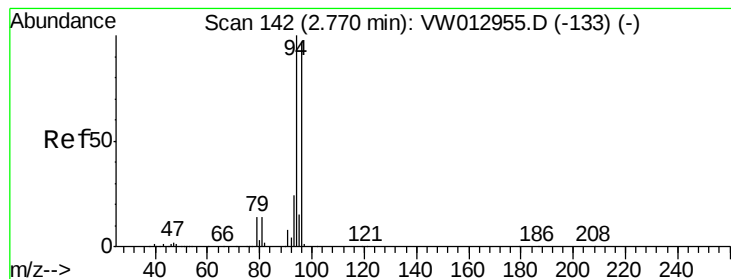
Tgt Ion: 62 Resp: 99131

Ion Ratio Lower Upper

62 100

64 31.0 24.2 36.4





#5

Bromomethane

Concen: 41.436 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW013128.D

Acq: 18 Sep 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

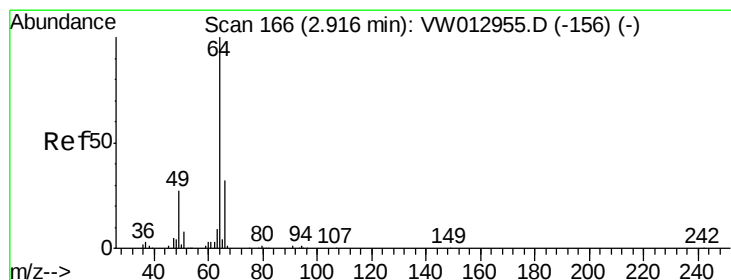
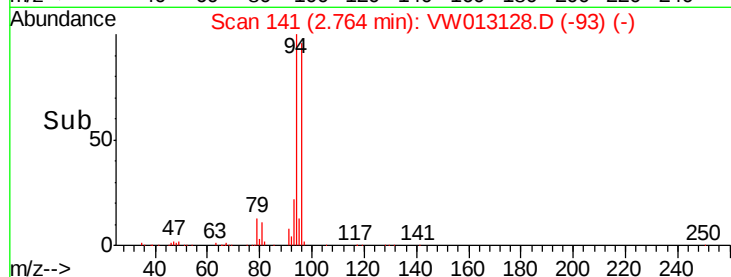
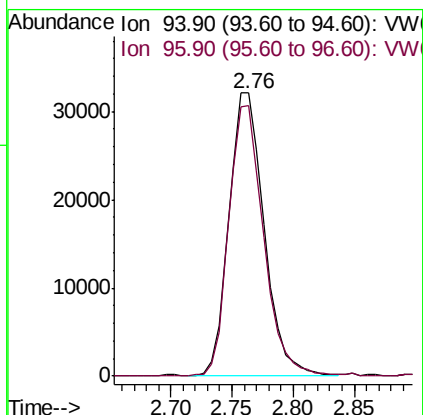
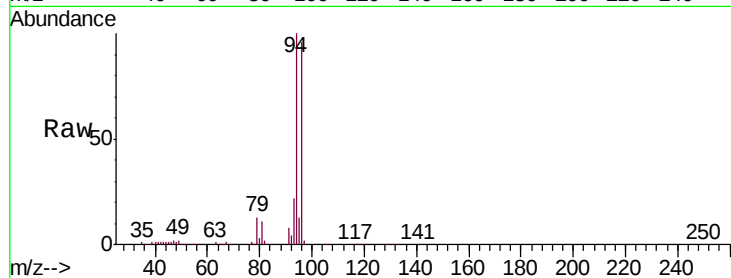
VSTDCCC050EC

Tgt Ion: 94 Resp: 63927

Ion Ratio Lower Upper

94 100

96 95.8 77.8 116.6



#6

Chloroethane

Concen: 42.187 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013128.D

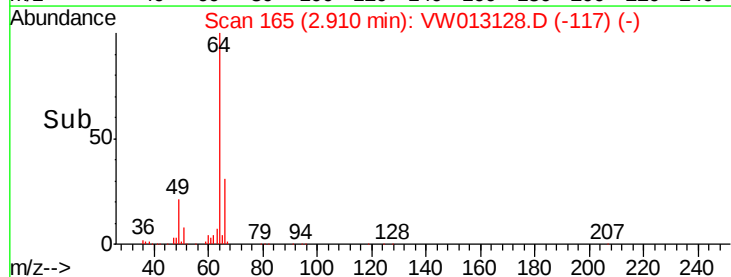
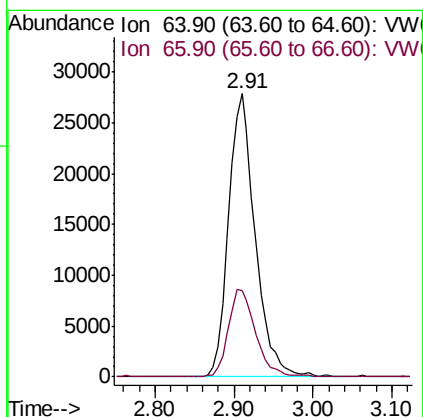
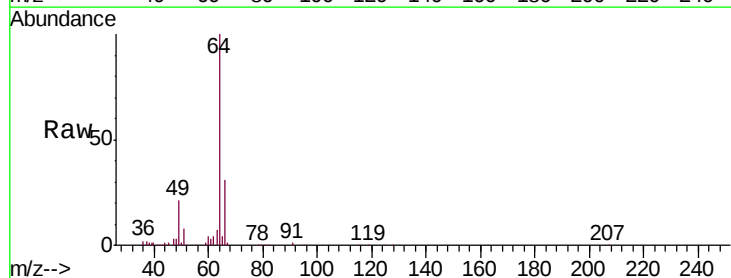
Acq: 18 Sep 2019 21:37

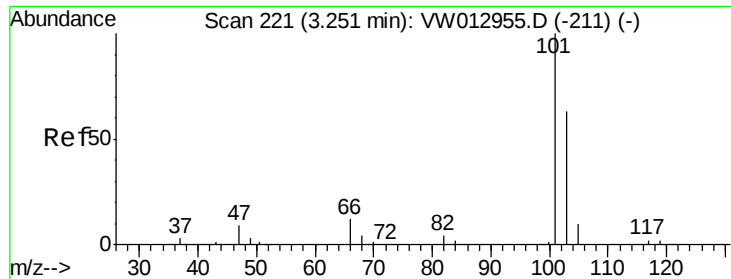
Tgt Ion: 64 Resp: 65366

Ion Ratio Lower Upper

64 100

66 30.5 25.9 38.9



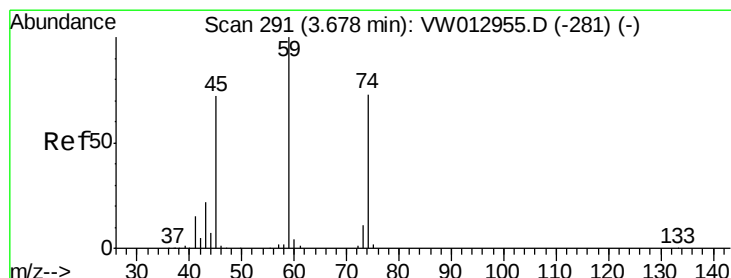
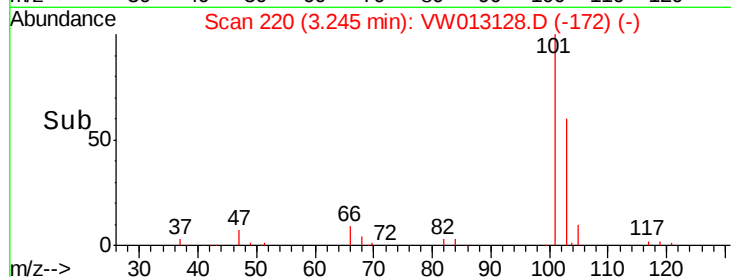
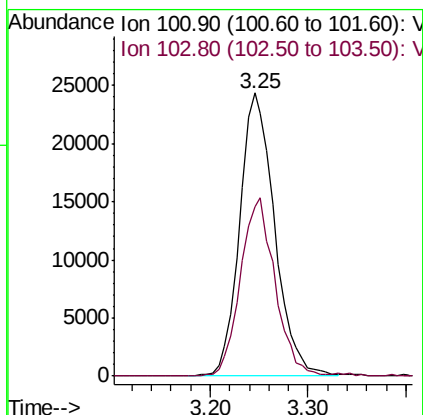
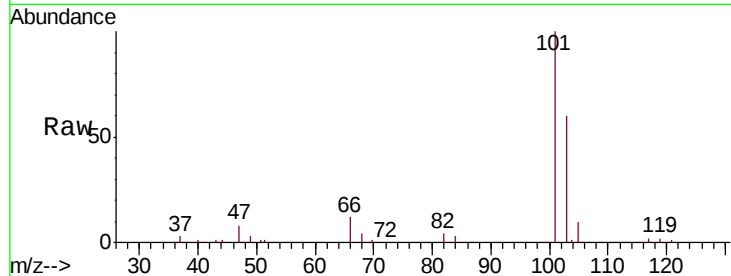


#7

Trichlorofluoromethane
 Concen: 34.204 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
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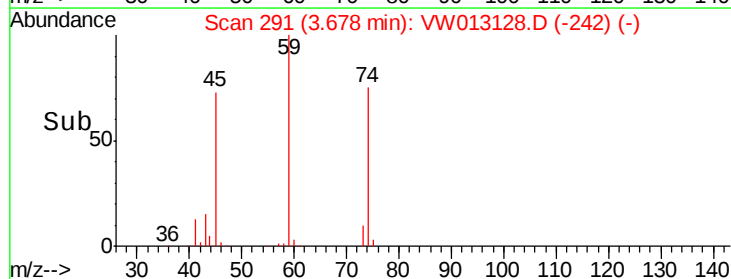
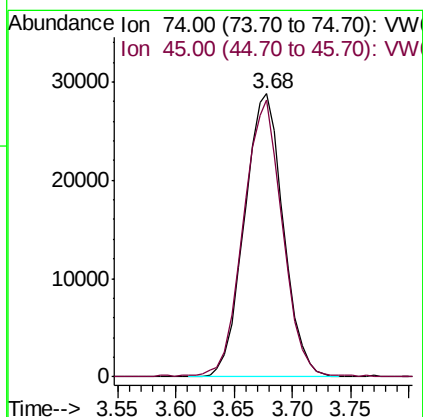
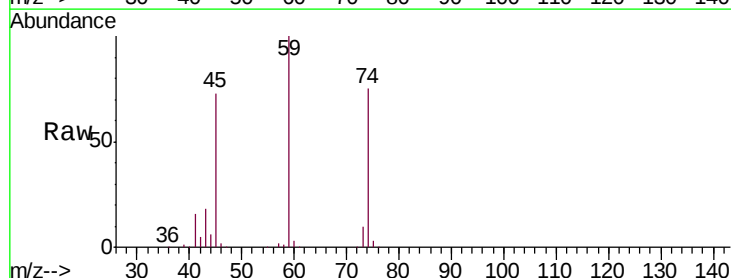
Tgt Ion:101 Resp: 60426
 Ion Ratio Lower Upper
 101 100
 103 60.1 50.7 76.1

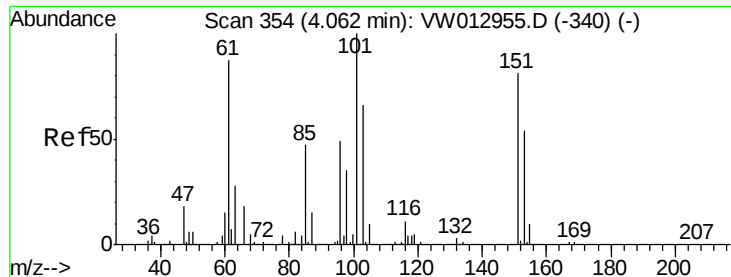


#8

Diethyl Ether
 Concen: 48.474 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013128.D
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Tgt Ion: 74 Resp: 66868
 Ion Ratio Lower Upper
 74 100
 45 98.9 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.322 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013128.D

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VSTDCCC050EC

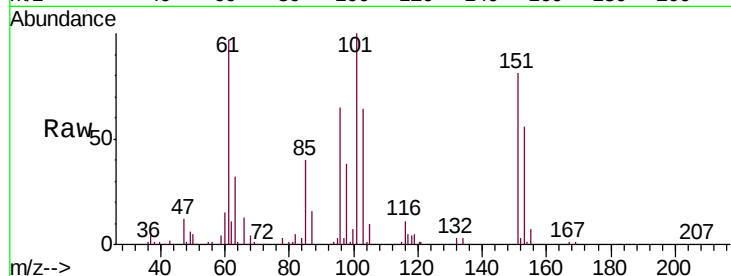
Tgt Ion:101 Resp: 113400

Ion Ratio Lower Upper

101 100

85 42.0 34.9 52.3

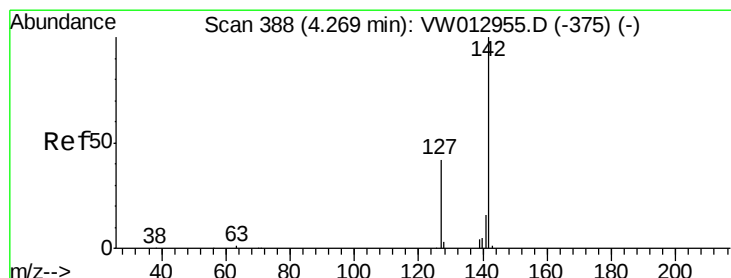
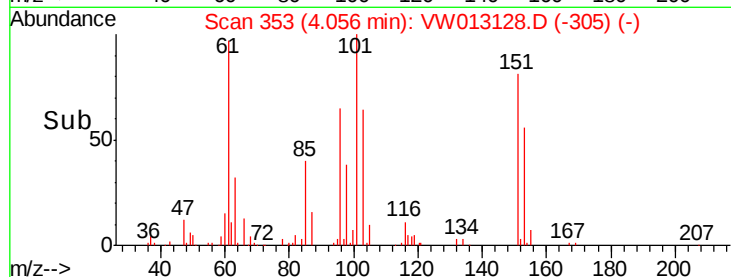
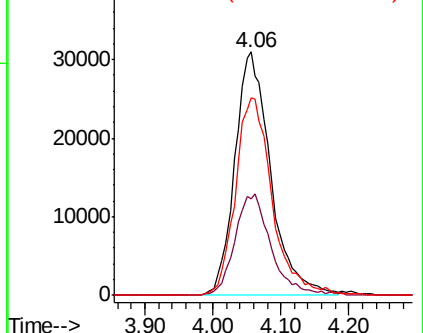
151 83.0 66.0 99.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.930 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW013128.D

Acq: 18 Sep 2019 21:37

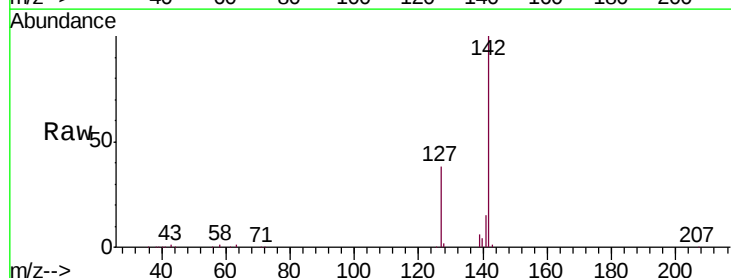
Tgt Ion:142 Resp: 157370

Ion Ratio Lower Upper

142 100

127 38.6 34.7 52.1

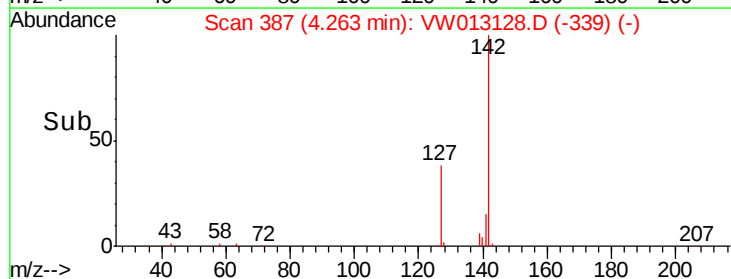
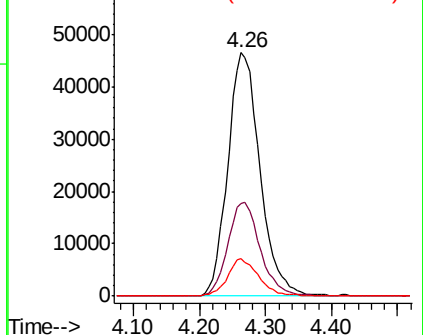
141 14.7 12.2 18.2

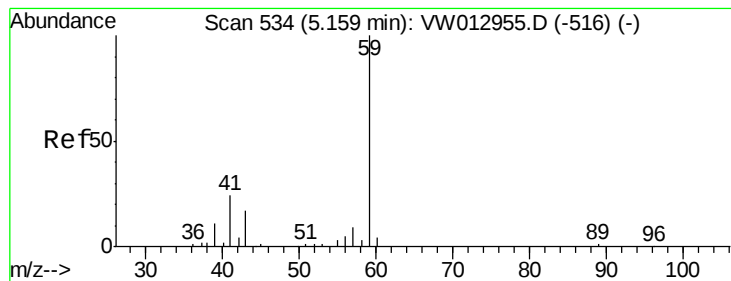


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



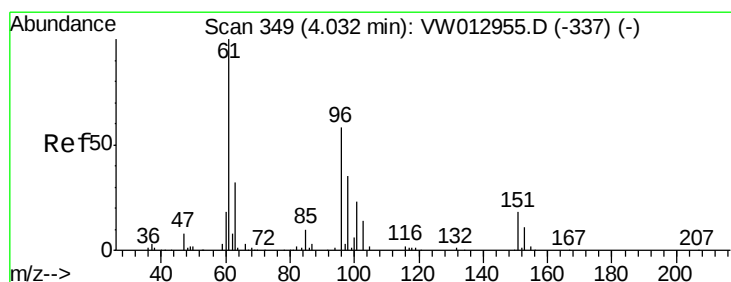
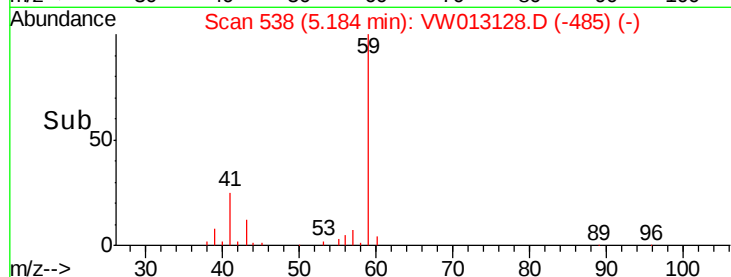
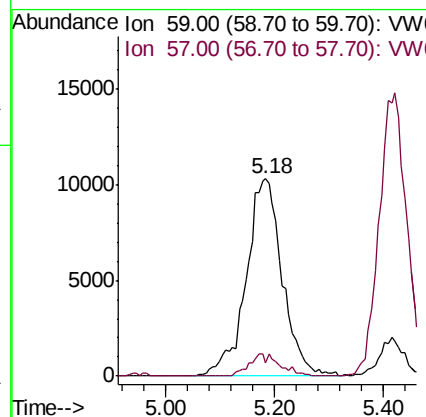
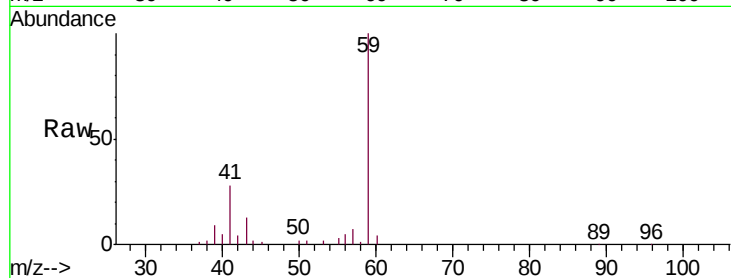


#11

Tert butyl alcohol
 Concen: 213.064 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.02 min
 Lab File: VW013128.D
 Acq: 18 Sep 2019 21:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

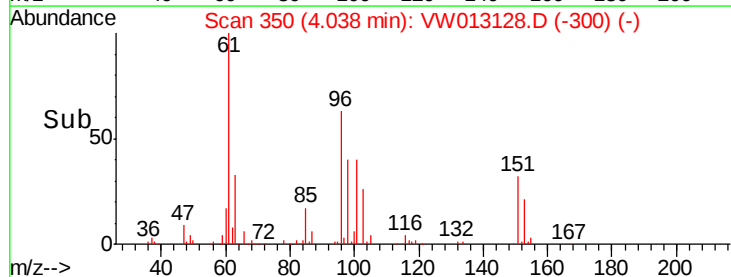
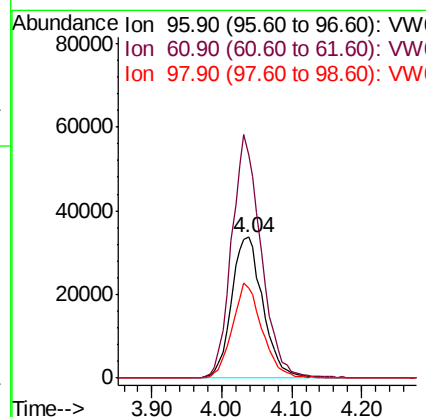
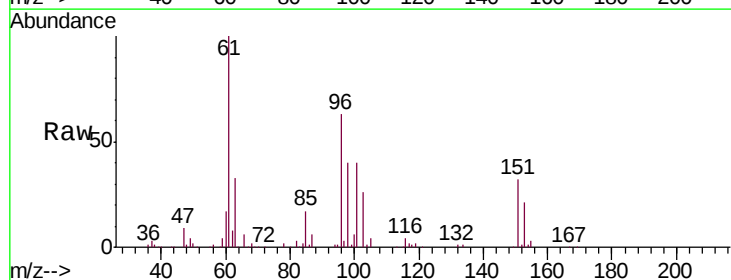
Tgt Ion: 59 Resp: 47581
 Ion Ratio Lower Upper
 59 100
 57 5.1 8.5 12.7#

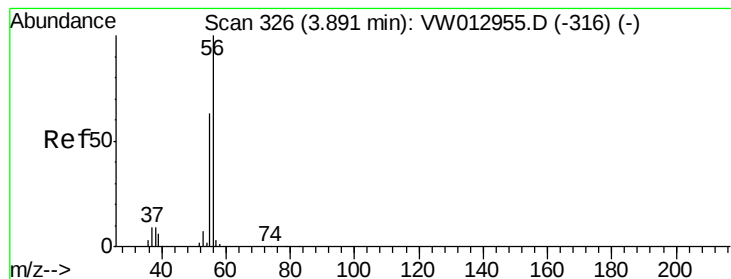


#12

1,1-Dichloroethene
 Concen: 43.179 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.01 min
 Lab File: VW013128.D
 Acq: 18 Sep 2019 21:37

Tgt Ion: 96 Resp: 105196
 Ion Ratio Lower Upper
 96 100
 61 158.5 137.9 206.9
 98 63.8 48.9 73.3





#13

Acrolein

Concen: 180.007 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW013128.D

Acq: 18 Sep 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

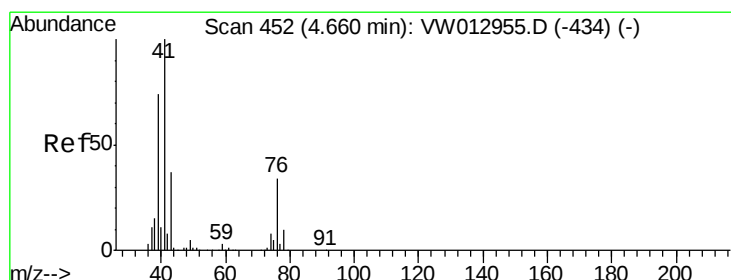
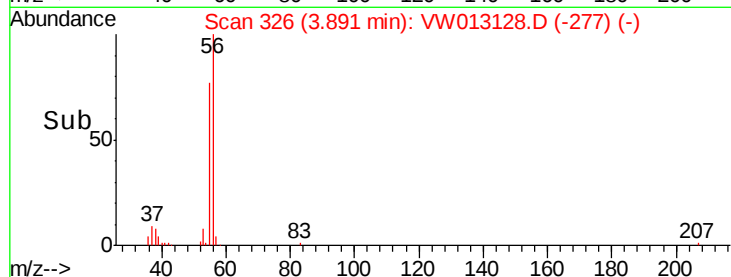
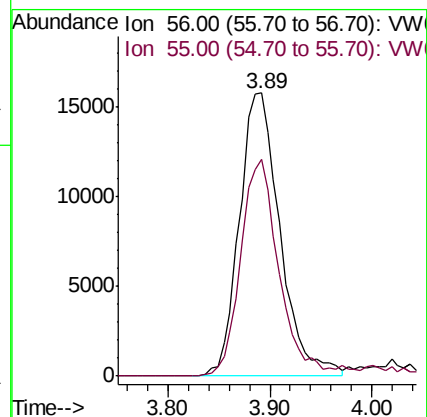
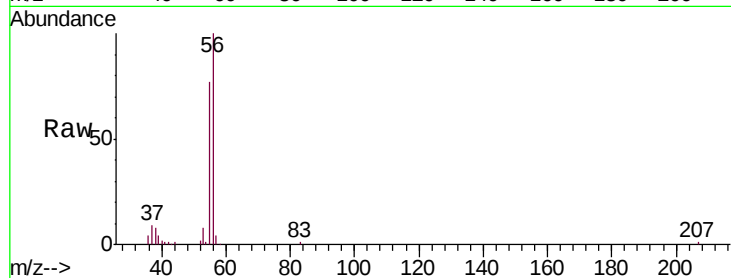
VSTDCCC050EC

Tgt Ion: 56 Resp: 43729

Ion Ratio Lower Upper

56 100

55 71.7 55.8 83.8



#14

Allyl chloride

Concen: 40.360 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW013128.D

Acq: 18 Sep 2019 21:37

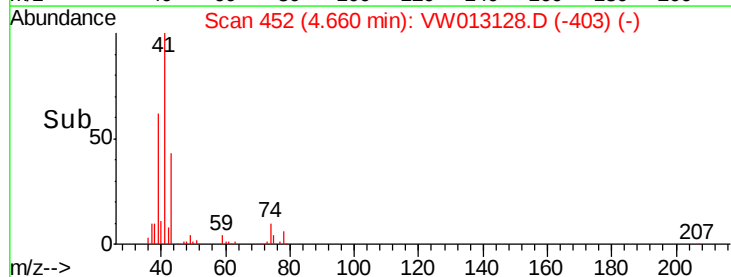
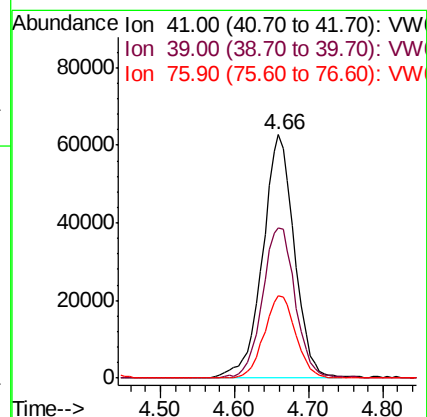
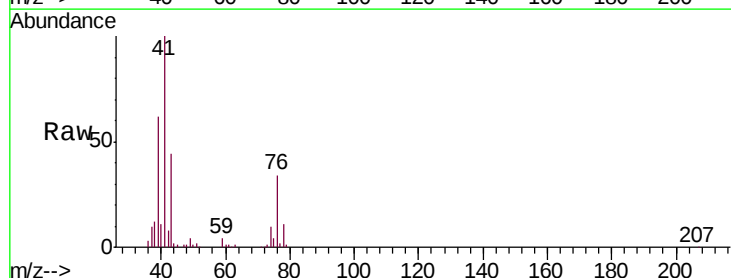
Tgt Ion: 41 Resp: 186671

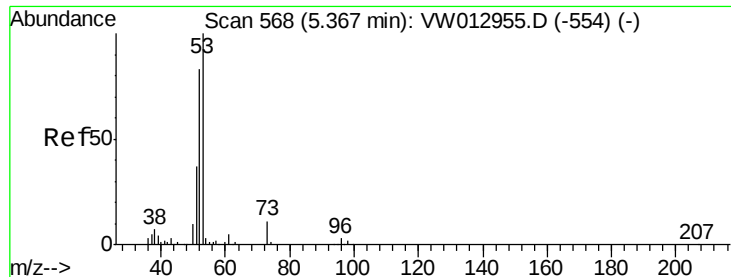
Ion Ratio Lower Upper

41 100

39 63.7 56.7 85.1

76 33.6 25.1 37.7





#15

Acrylonitrile

Concen: 239.431 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013128.D

Acq: 18 Sep 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

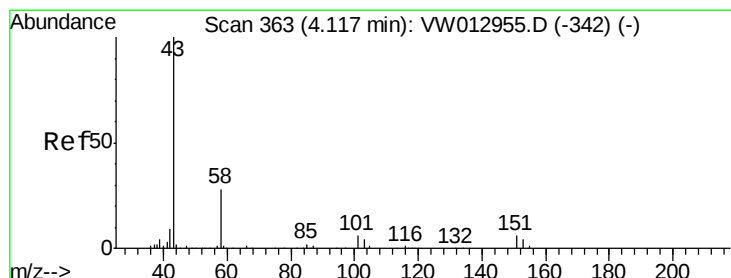
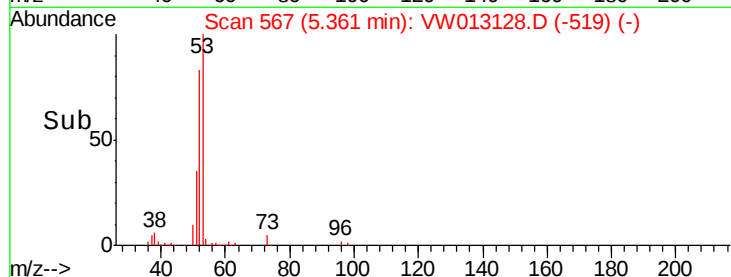
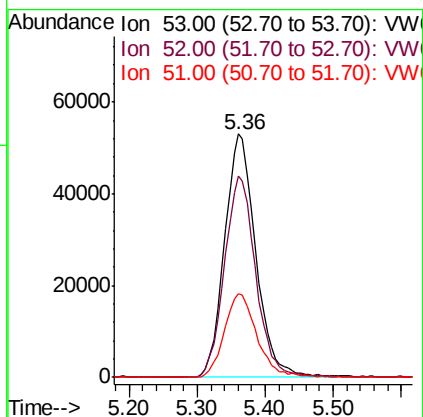
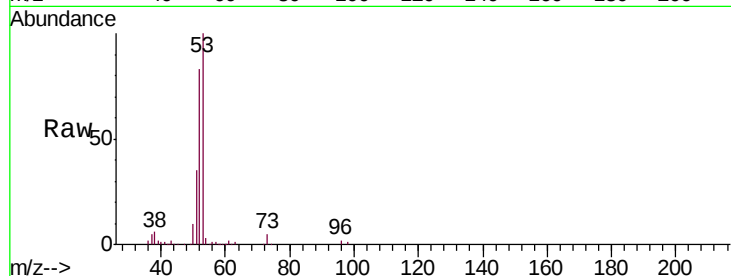
Tgt Ion: 53 Resp: 168692

Ion Ratio Lower Upper

53 100

52 82.8 66.6 100.0

51 35.6 29.8 44.8



#16

Acetone

Concen: 176.408 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW013128.D

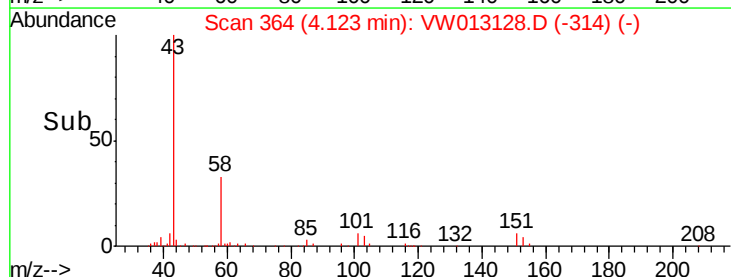
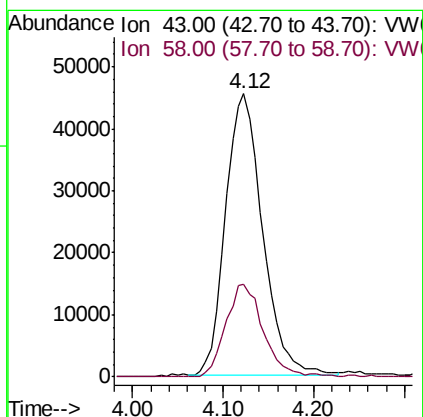
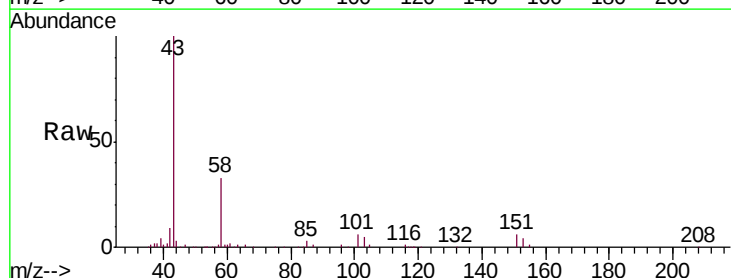
Acq: 18 Sep 2019 21:37

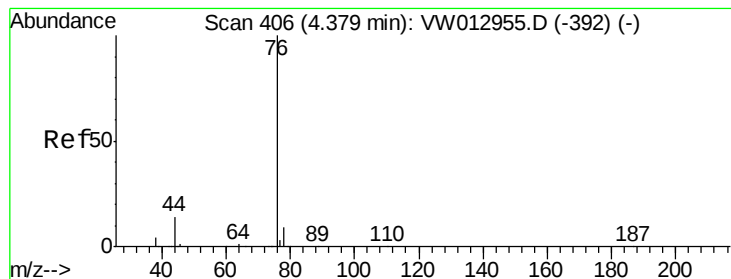
Tgt Ion: 43 Resp: 128850

Ion Ratio Lower Upper

43 100

58 32.7 22.3 33.5





#17

Carbon Disulfide

Concen: 33.164 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW013128.D

Acq: 18 Sep 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

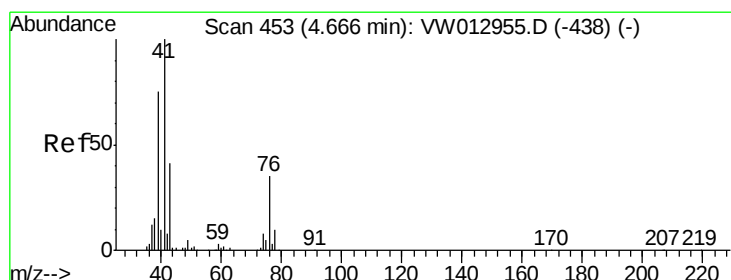
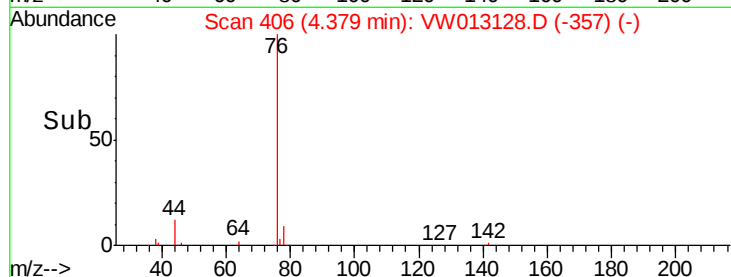
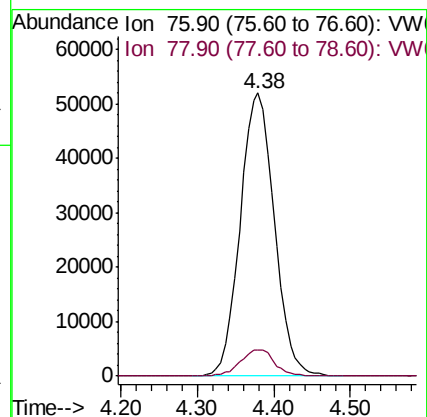
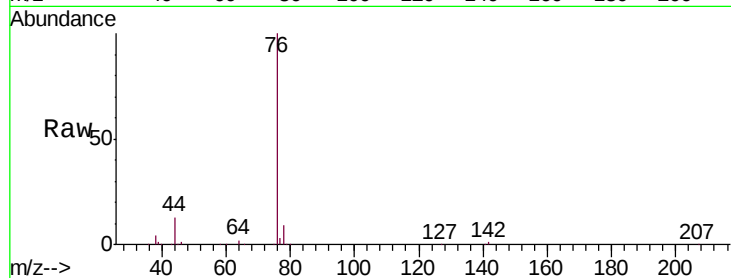
VSTDCCC050EC

Tgt Ion: 76 Resp: 161014

Ion Ratio Lower Upper

76 100

78 9.4 7.0 10.4



#18

Methyl Acetate

Concen: 45.079 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW013128.D

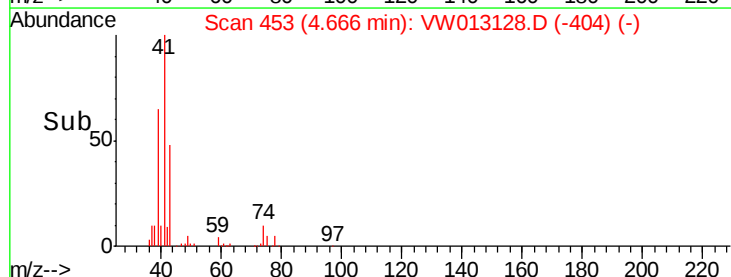
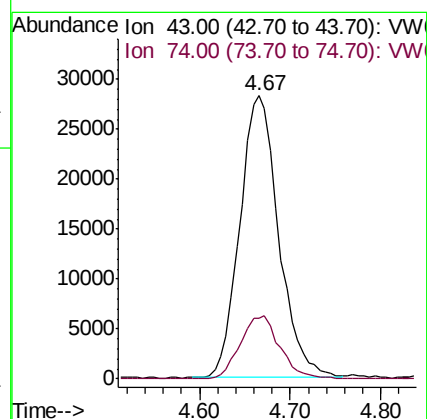
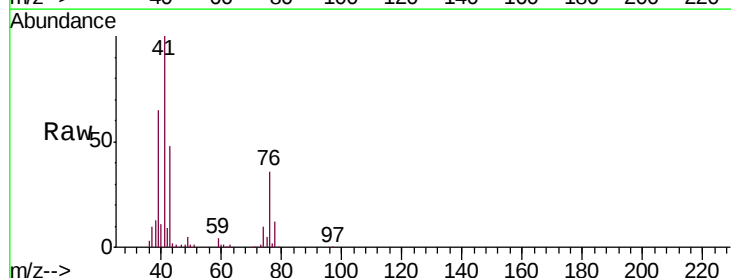
Acq: 18 Sep 2019 21:37

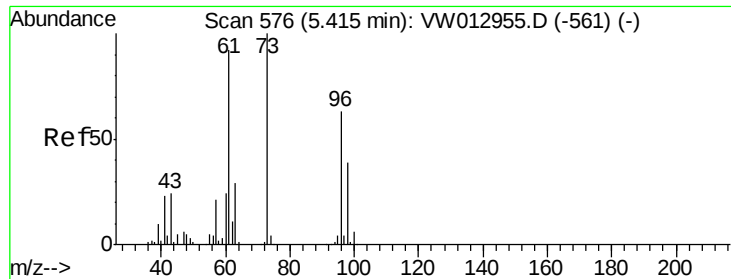
Tgt Ion: 43 Resp: 83720

Ion Ratio Lower Upper

43 100

74 23.1 17.8 26.8





#19

Methyl tert-butyl Ether

Concen: 48.487 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW013128.D

Acq: 18 Sep 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

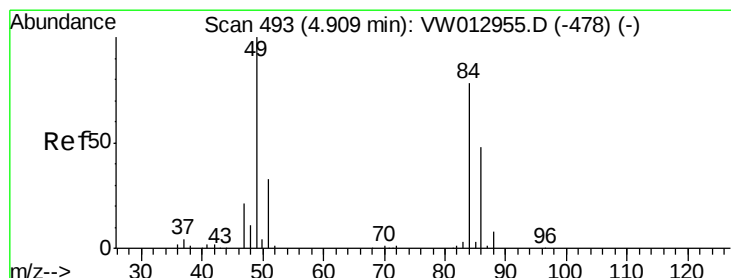
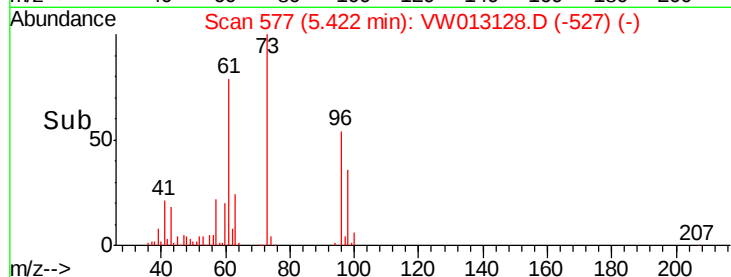
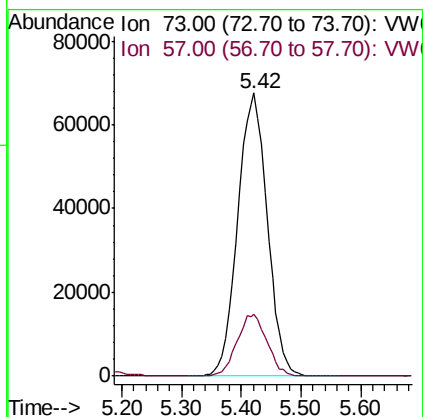
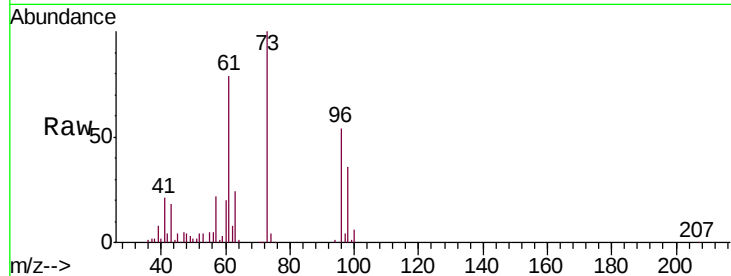
VSTDCCC050EC

Tgt Ion: 73 Resp: 233180

Ion Ratio Lower Upper

73 100

57 21.9 16.4 24.6



#20

Methylene Chloride

Concen: 49.525 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW013128.D

Acq: 18 Sep 2019 21:37

Tgt Ion: 84 Resp: 130557

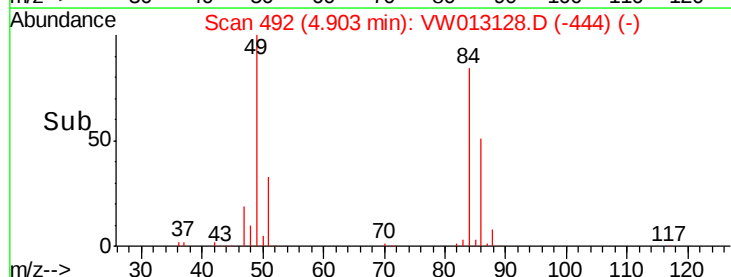
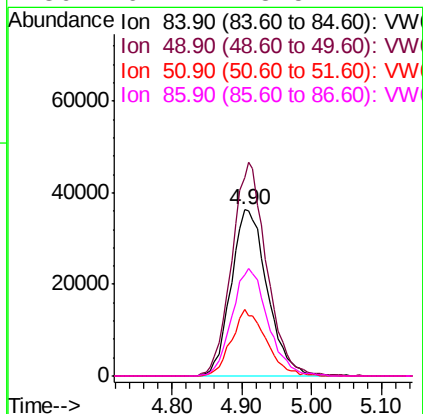
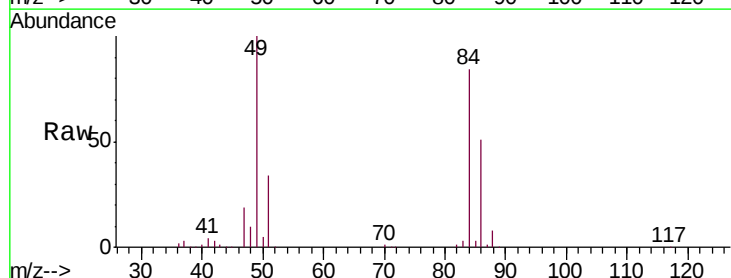
Ion Ratio Lower Upper

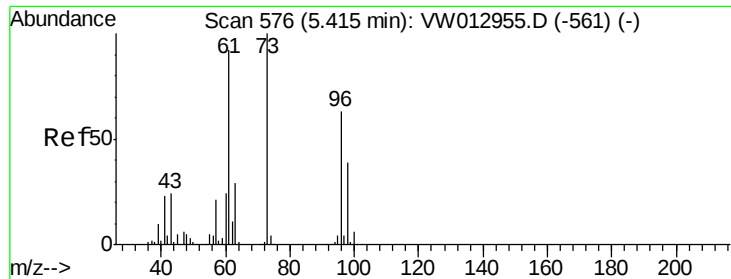
84 100

49 119.4 102.0 153.0

51 40.0 34.0 51.0

86 61.2 48.5 72.7

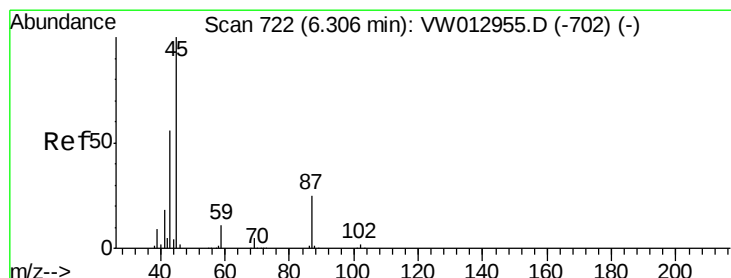
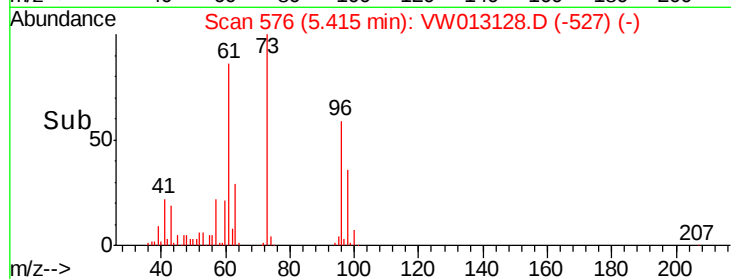
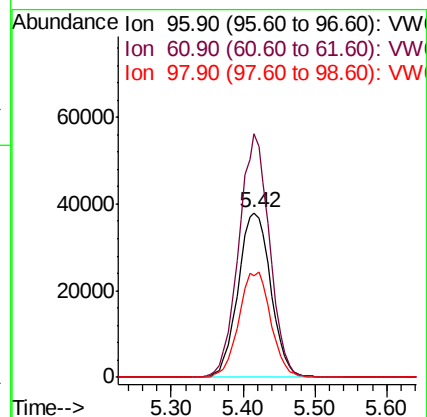
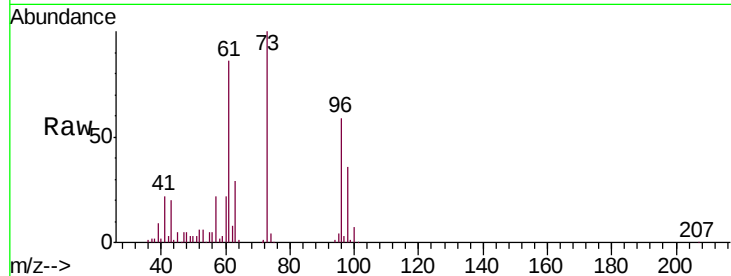




#21
trans-1,2-Dichloroethene
Concen: 45.820 ug/l
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW013128.D
Acq: 18 Sep 2019 21:37

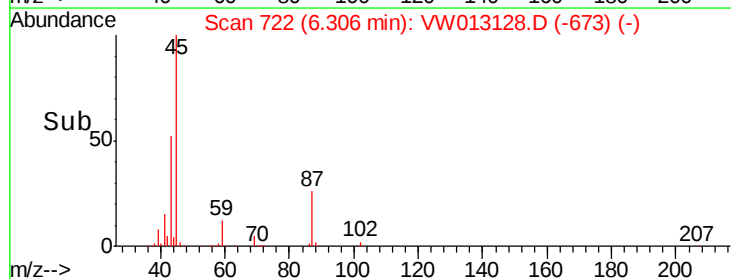
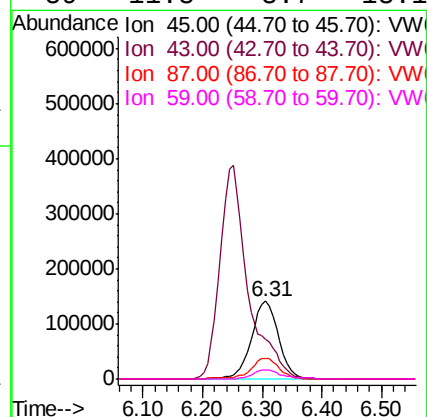
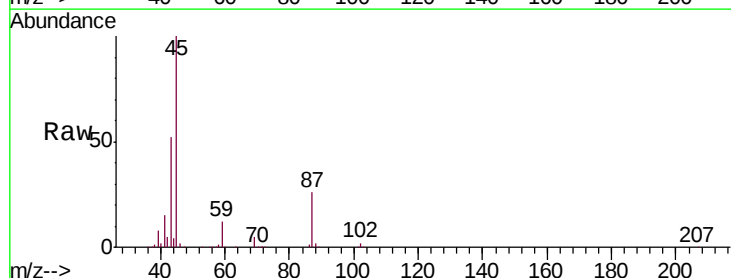
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

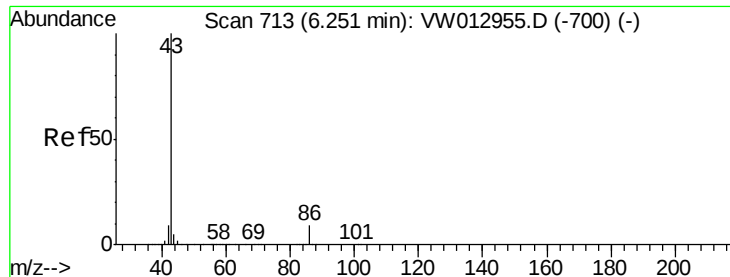
Tgt Ion: 96 Resp: 119561
Ion Ratio Lower Upper
96 100
61 147.8 116.2 174.2
98 61.9 49.8 74.6



#22
Diisopropyl ether
Concen: 46.446 ug/l
RT: 6.31 min Scan# 722
Delta R.T. 0.00 min
Lab File: VW013128.D
Acq: 18 Sep 2019 21:37

Tgt Ion: 45 Resp: 446274
Ion Ratio Lower Upper
45 100
43 51.6 44.6 67.0
87 26.3 20.0 30.0
59 11.8 8.7 13.1





#23

Vinyl Acetate

Concen: 221.643 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013128.D

Acq: 18 Sep 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

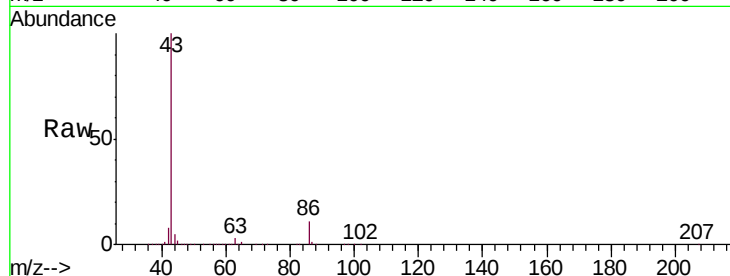
VSTDCCC050EC

Tgt Ion: 43 Resp: 1275526

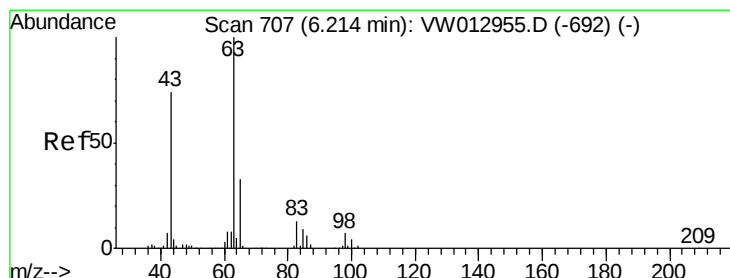
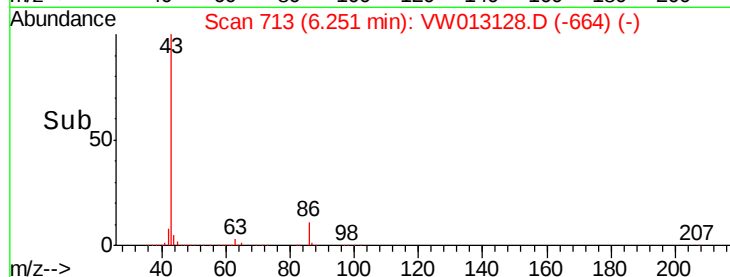
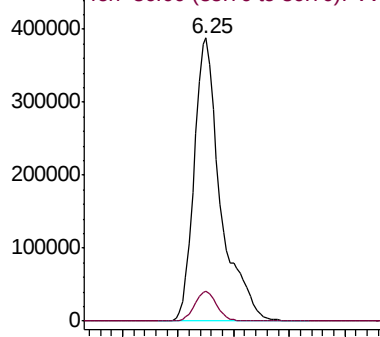
Ion Ratio Lower Upper

43 100

86 10.6 7.0 10.6#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 44.641 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013128.D

Acq: 18 Sep 2019 21:37

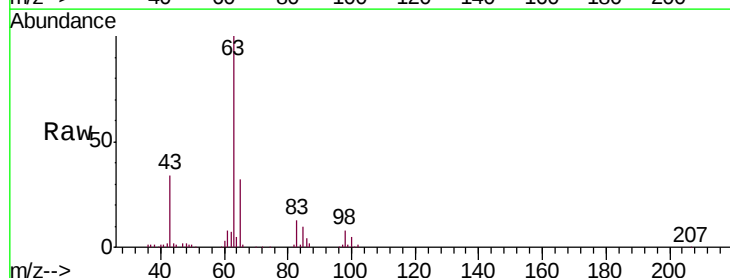
Tgt Ion: 63 Resp: 247307

Ion Ratio Lower Upper

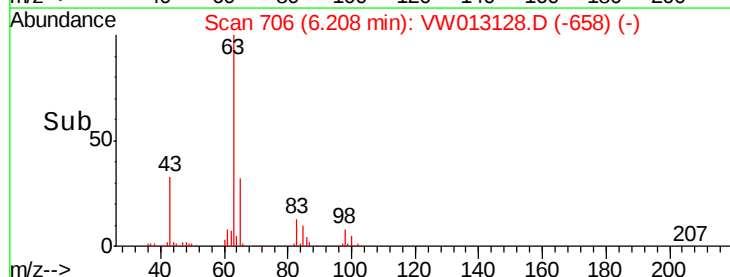
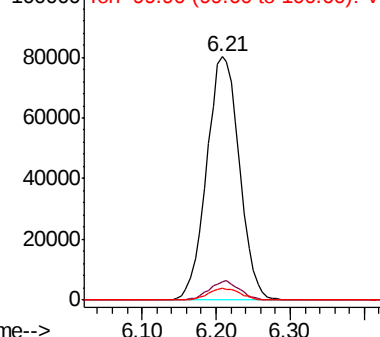
63 100

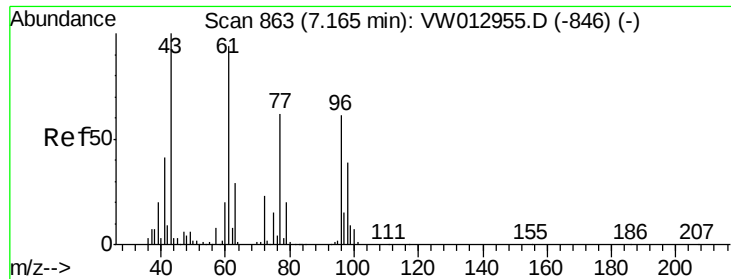
98 7.7 3.3 9.9

100 5.0 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 97.90 (97.60 to 98.60): VW
Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 209.882 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013128.D

Acq: 18 Sep 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

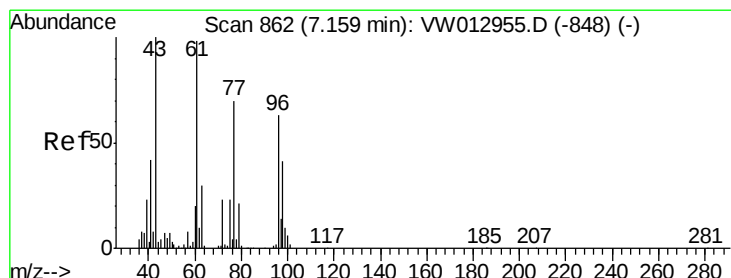
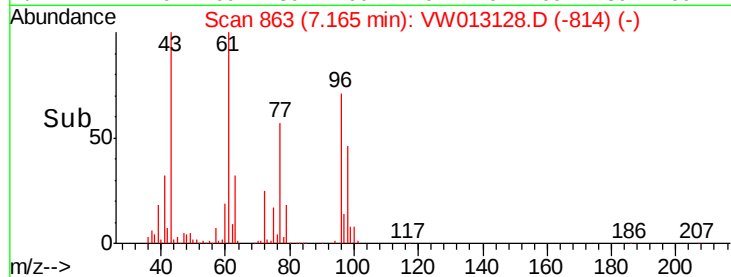
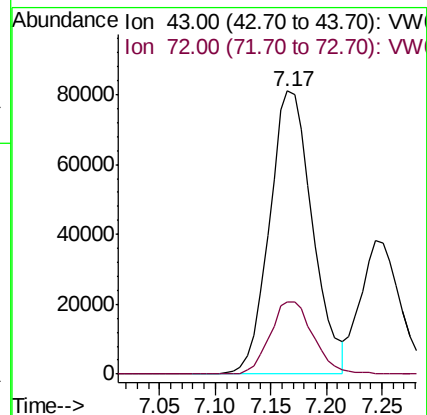
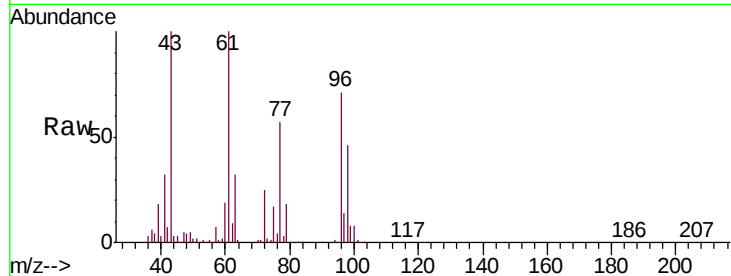
VSTDCCC050EC

Tgt Ion: 43 Resp: 217550

Ion Ratio Lower Upper

43 100

72 25.5 18.2 27.4



#26

2,2-Dichloropropane

Concen: 38.450 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW013128.D

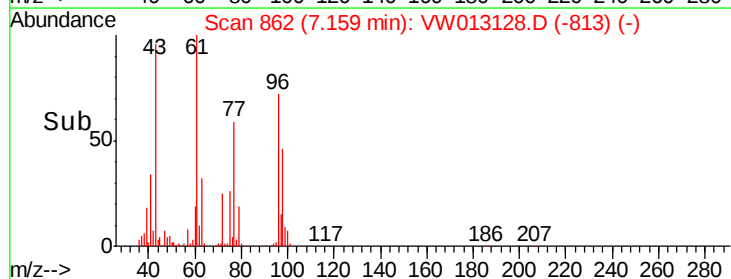
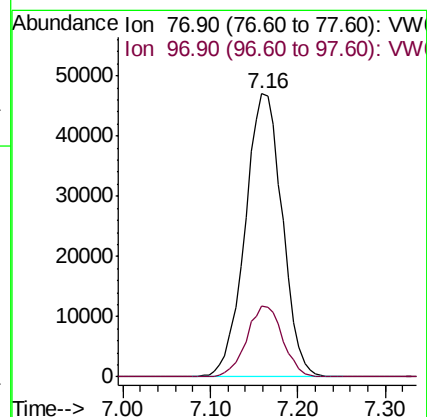
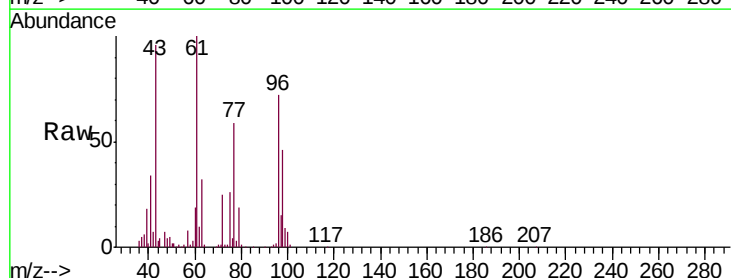
Acq: 18 Sep 2019 21:37

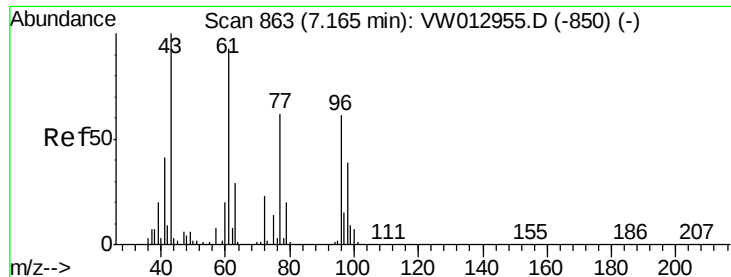
Tgt Ion: 77 Resp: 138704

Ion Ratio Lower Upper

77 100

97 24.2 10.7 32.1



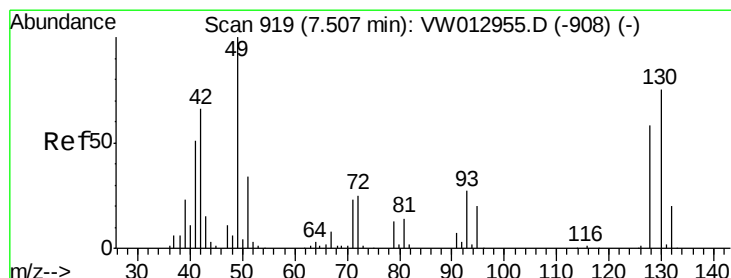
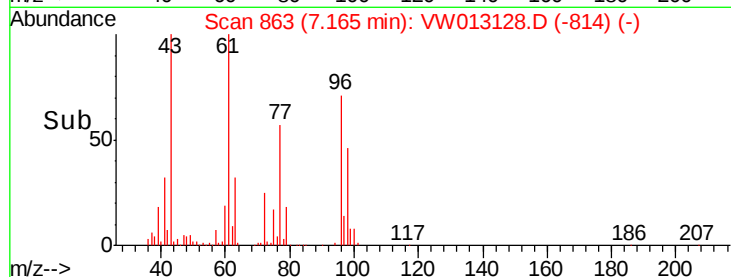
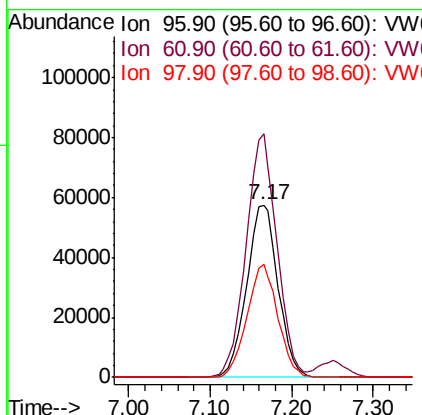
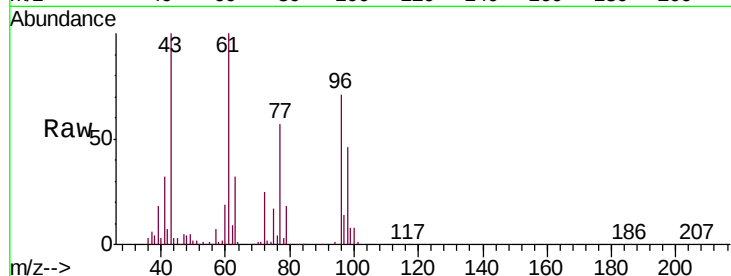


#27

cis-1,2-Dichloroethene
Concen: 49.344 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013128.D
Acq: 18 Sep 2019 21:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

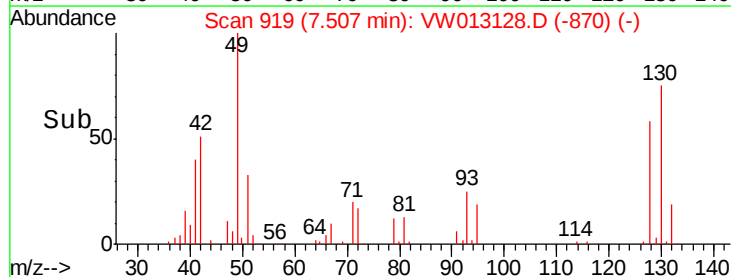
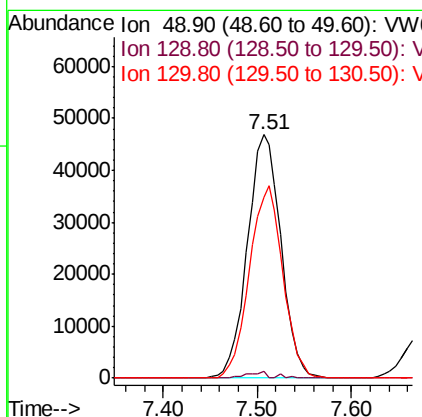
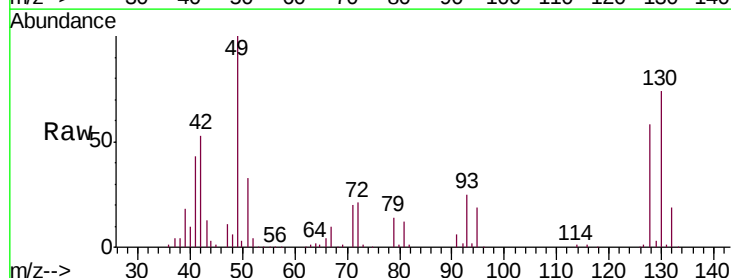
Tgt Ion: 96 Resp: 154149
Ion Ratio Lower Upper
96 100
61 139.0 0.0 315.4
98 64.3 0.0 131.0

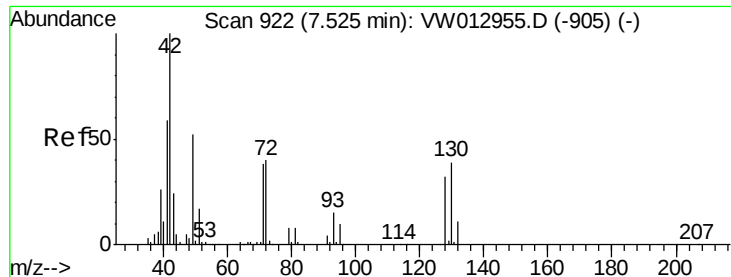


#28

Bromochloromethane
Concen: 50.275 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW013128.D
Acq: 18 Sep 2019 21:37

Tgt Ion: 49 Resp: 117229
Ion Ratio Lower Upper
49 100
129 1.3 0.0 1.4
130 78.8 57.8 86.6

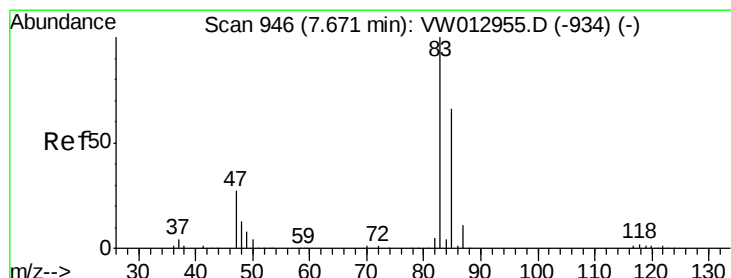
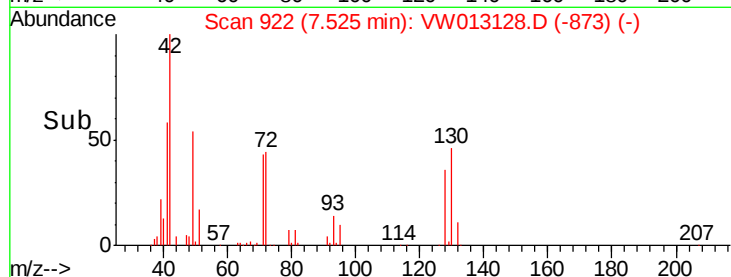
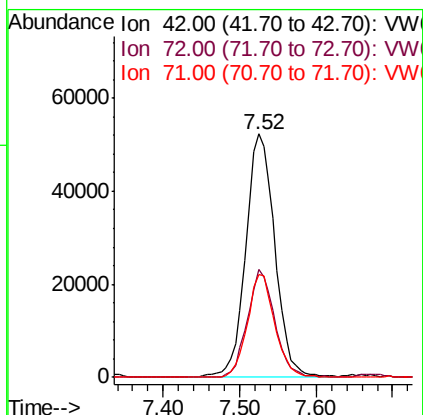
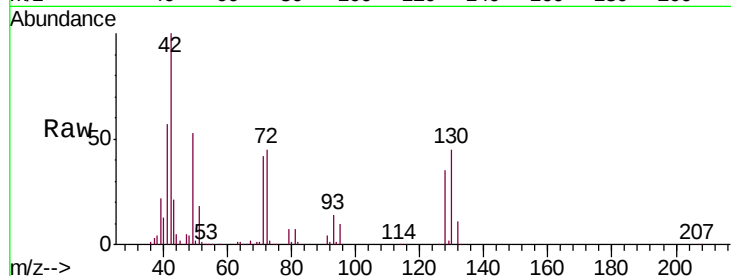




#29
Tetrahydrofuran
Concen: 234.736 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW013128.D
Acq: 18 Sep 2019 21:37

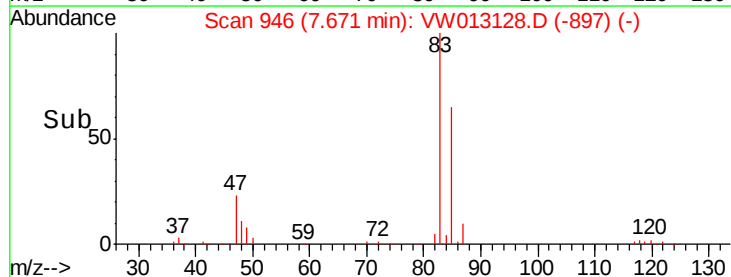
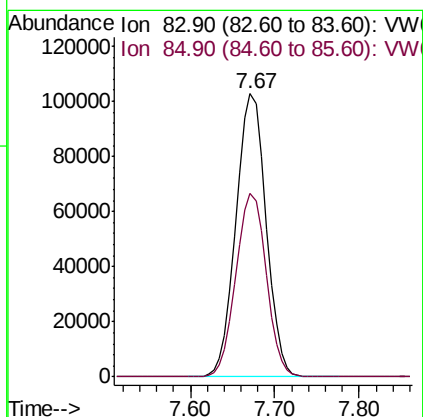
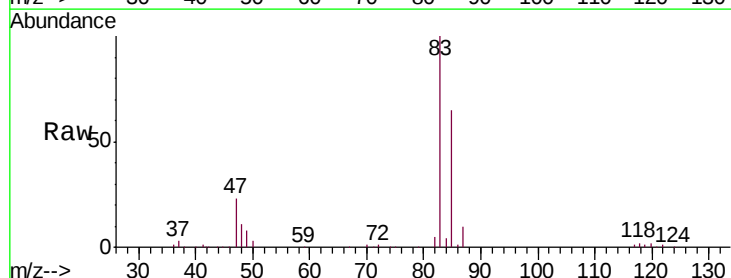
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

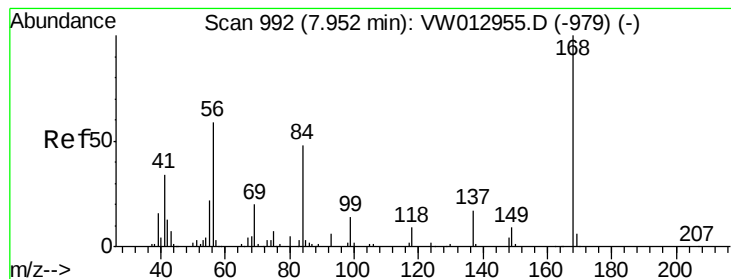
Tgt Ion: 42 Resp: 138635
Ion Ratio Lower Upper
42 100
72 41.9 31.4 47.0
71 40.0 29.8 44.8



#30
Chloroform
Concen: 44.018 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013128.D
Acq: 18 Sep 2019 21:37

Tgt Ion: 83 Resp: 247777
Ion Ratio Lower Upper
83 100
85 64.6 52.8 79.2





#31

Cyclohexane

Concen: 43.773 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013128.D

Acq: 18 Sep 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

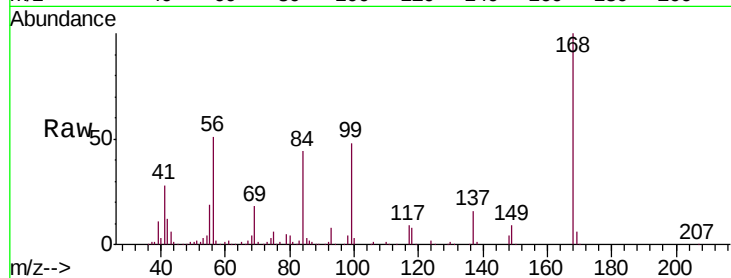
Tgt Ion: 56 Resp: 184236

Ion Ratio Lower Upper

56 100

69 34.9 27.0 40.6

84 85.0 66.2 99.2

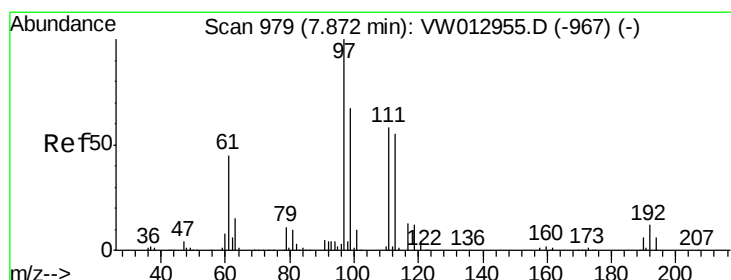
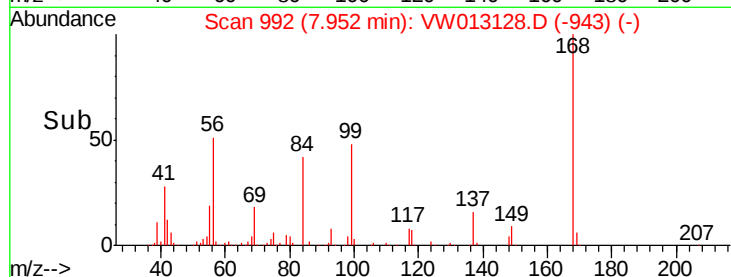
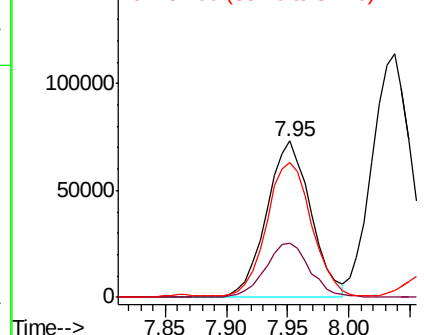


Abundance

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: 40.564 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW013128.D

Acq: 18 Sep 2019 21:37

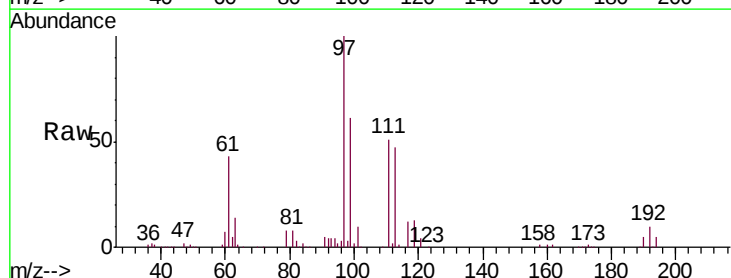
Tgt Ion: 97 Resp: 188038

Ion Ratio Lower Upper

97 100

99 64.3 53.0 79.4

61 43.8 36.5 54.7

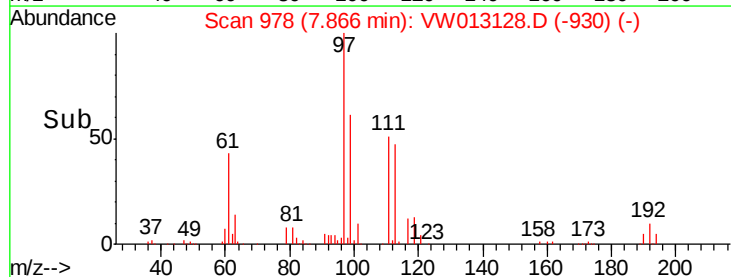
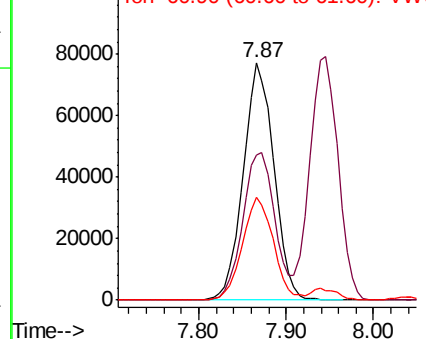


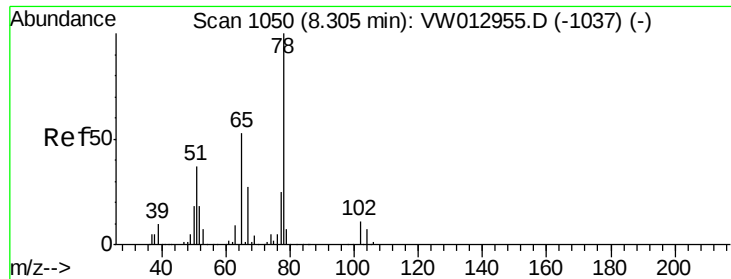
Abundance

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

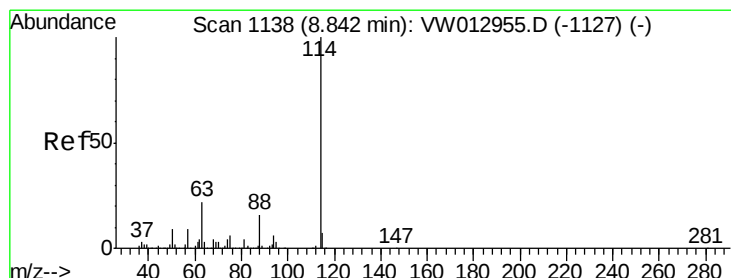
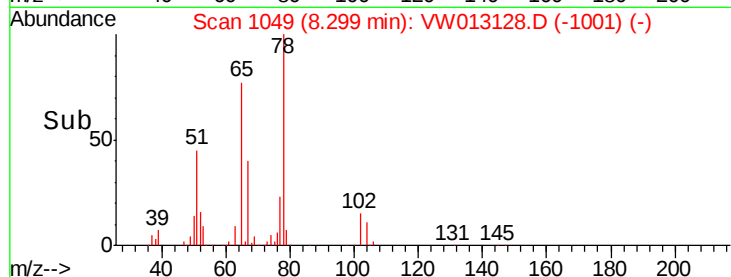
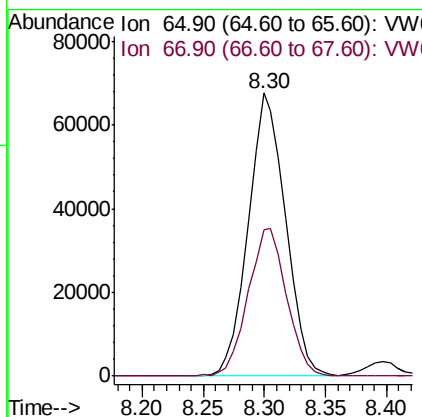
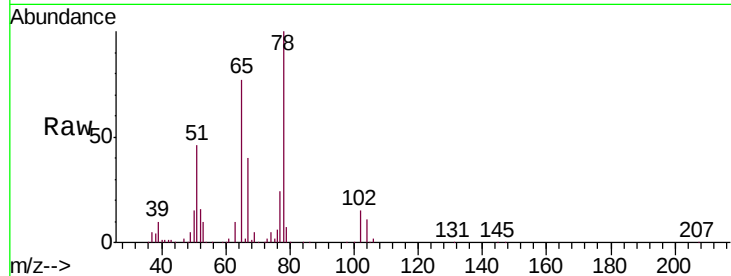




#33
 1,2-Dichloroethane-d4
 Concen: 44.025 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013128.D
 Acq: 18 Sep 2019 21:37

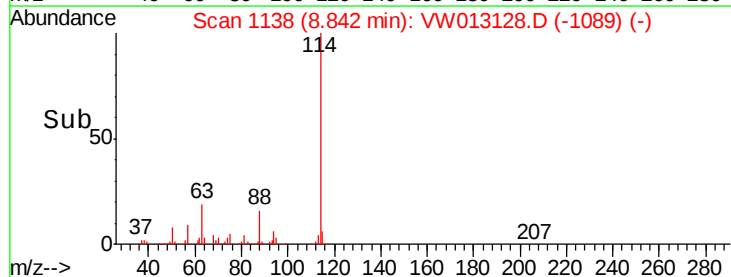
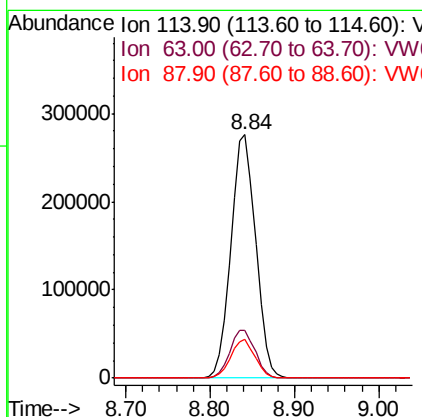
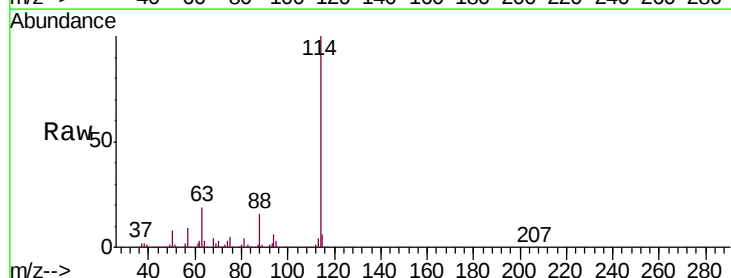
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

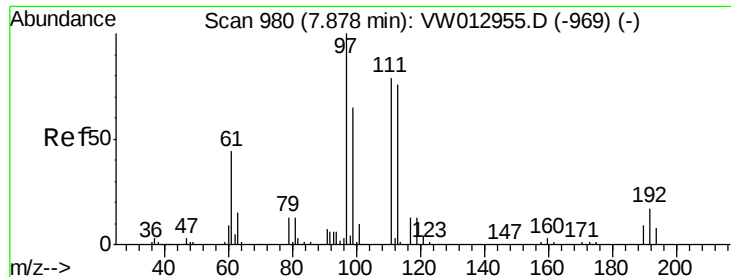
Tgt Ion: 65 Resp: 143513
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013128.D
 Acq: 18 Sep 2019 21:37

Tgt Ion: 114 Resp: 548664
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 43.4
 88 16.2 0.0 31.6

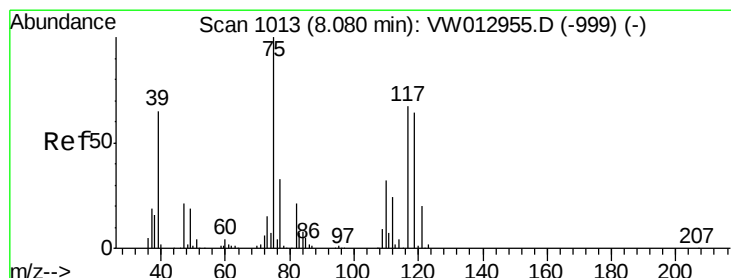
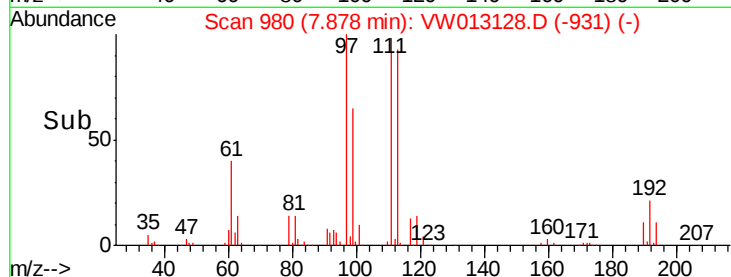
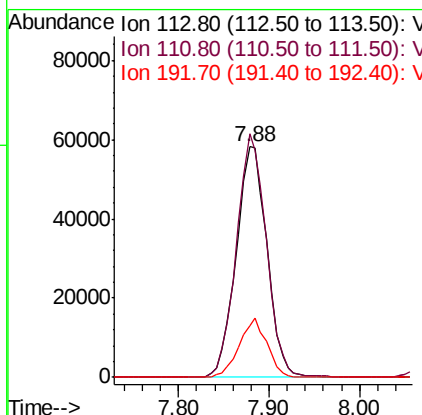
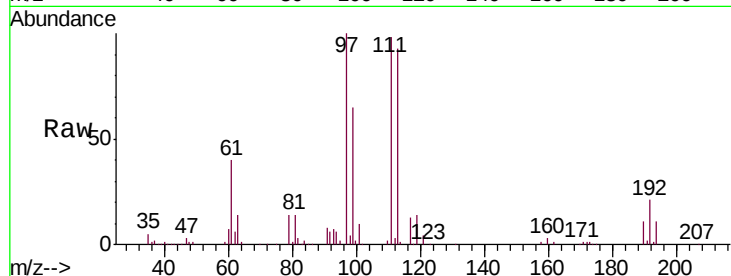




#35
 Dibromofluoromethane
 Concen: 46.087 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013128.D
 Acq: 18 Sep 2019 21:37

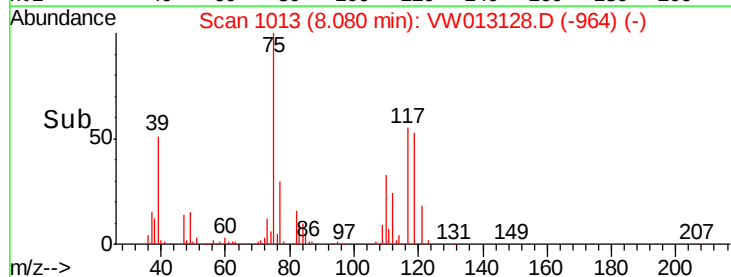
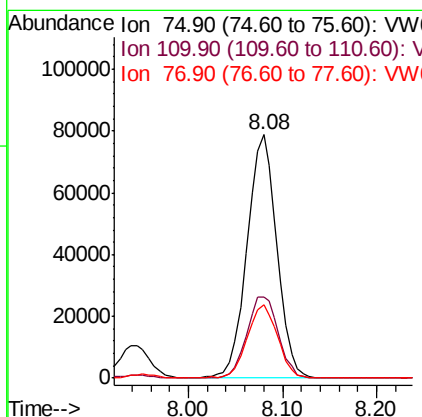
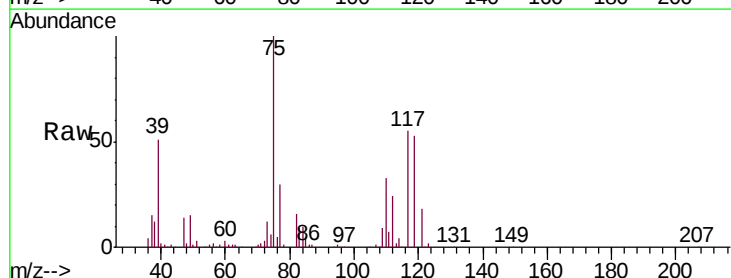
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

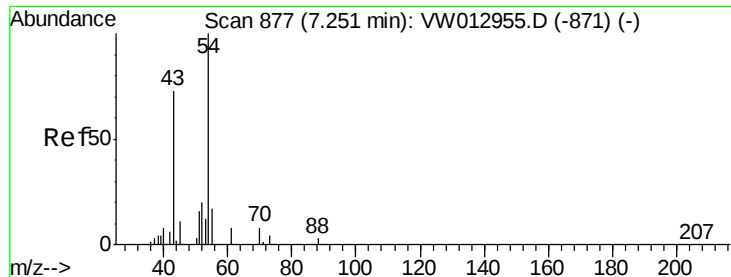
Tgt Ion:113 Resp: 137207
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.8 124.2
 192 23.2 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 39.880 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013128.D
 Acq: 18 Sep 2019 21:37

Tgt Ion: 75 Resp: 174844
 Ion Ratio Lower Upper
 75 100
 110 35.5 16.4 49.1
 77 30.8 25.1 37.7

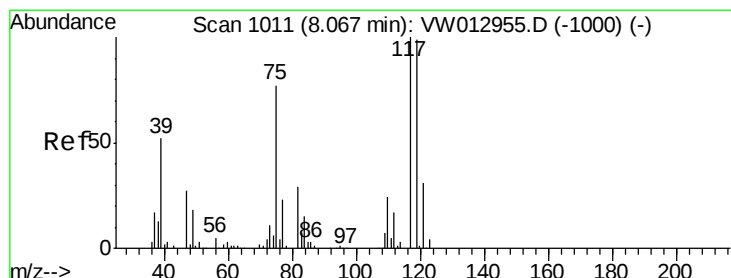
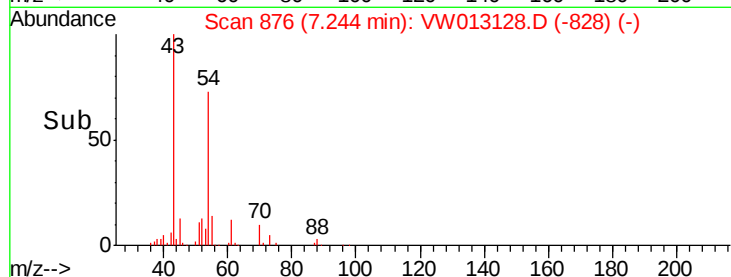
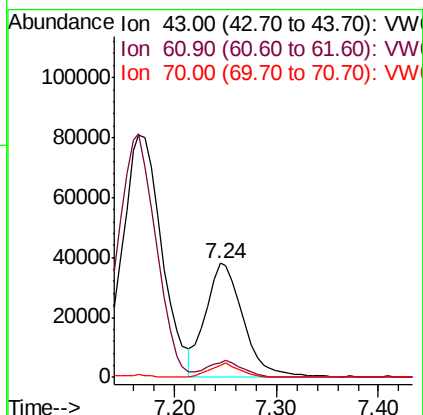
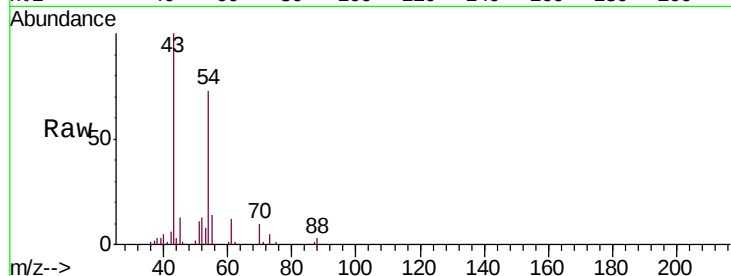




#37
 Ethyl Acetate
 Concen: 41.626 ug/l
 RT: 7.24 min Scan# 876
 Delta R.T. -0.01 min
 Lab File: VW013128.D
 Acq: 18 Sep 2019 21:37

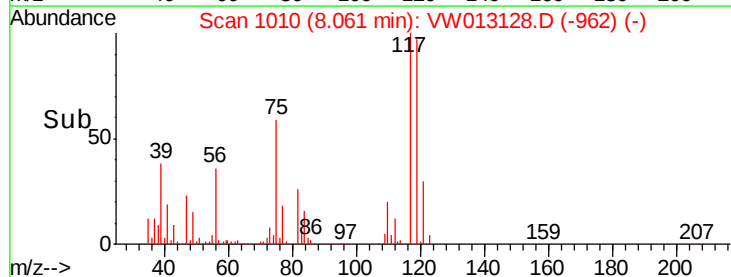
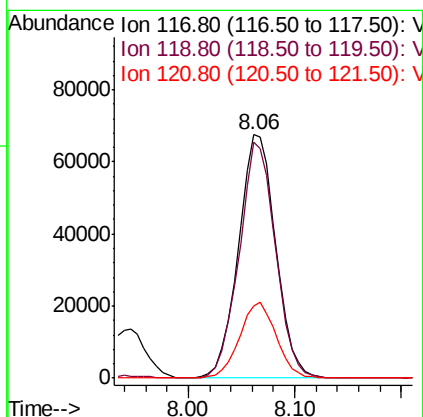
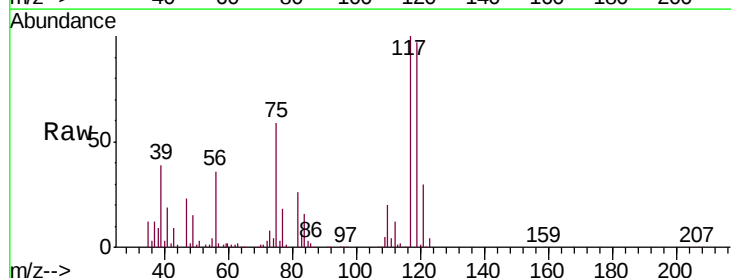
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

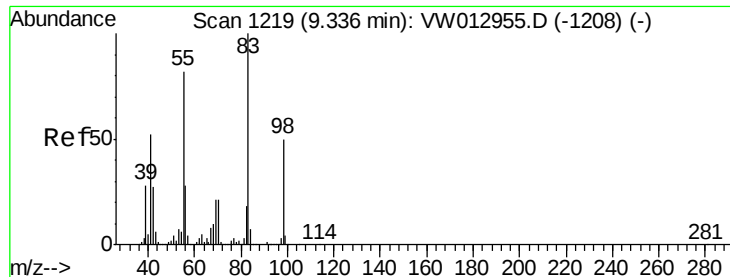
Tgt Ion: 43 Resp: 96870
 Ion Ratio Lower Upper
 43 100
 61 13.7 9.6 14.4
 70 10.4 7.6 11.4



#38
 Carbon Tetrachloride
 Concen: 36.934 ug/l
 RT: 8.06 min Scan# 1010
 Delta R.T. -0.01 min
 Lab File: VW013128.D
 Acq: 18 Sep 2019 21:37

Tgt Ion: 117 Resp: 165942
 Ion Ratio Lower Upper
 117 100
 119 96.6 79.4 119.0
 121 29.5 24.6 36.8

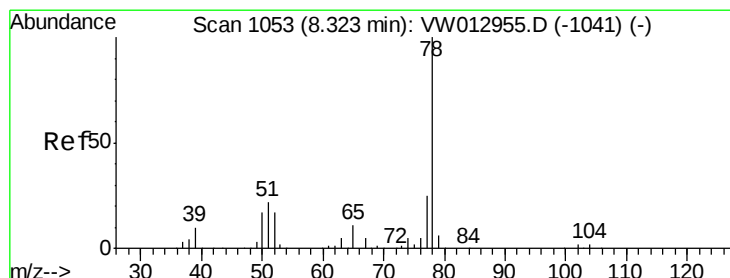
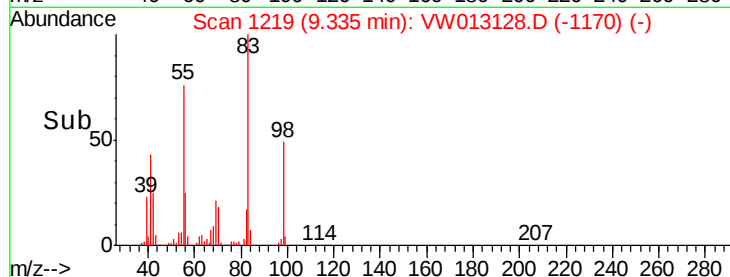
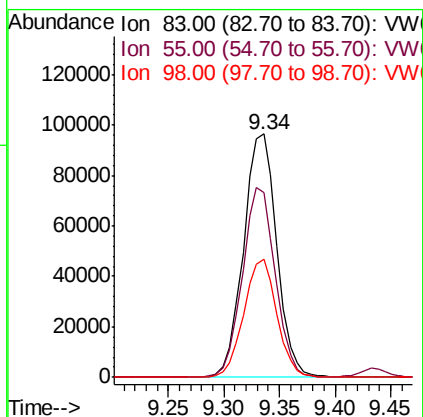
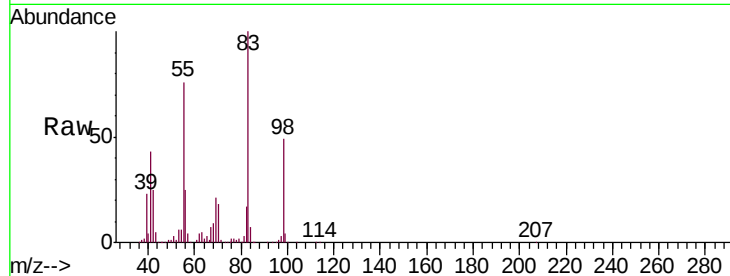




#39
Methylcyclohexane
Concen: 41.711 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013128.D
Acq: 18 Sep 2019 21:37

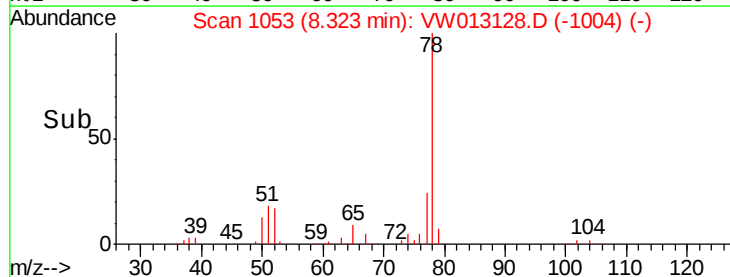
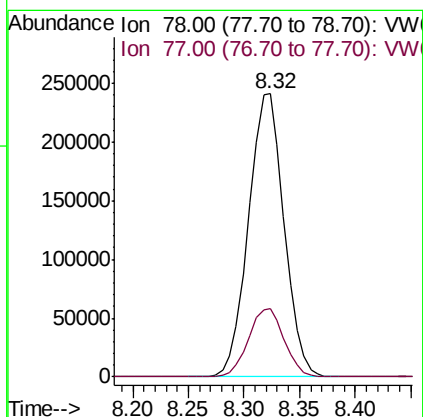
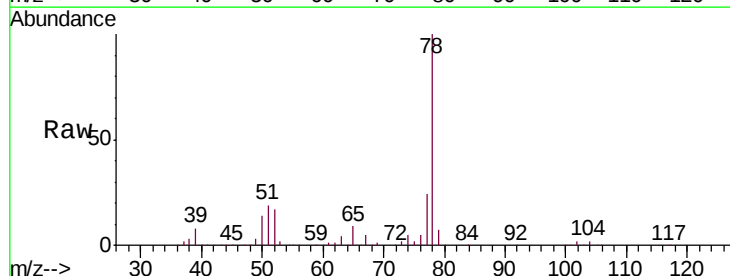
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

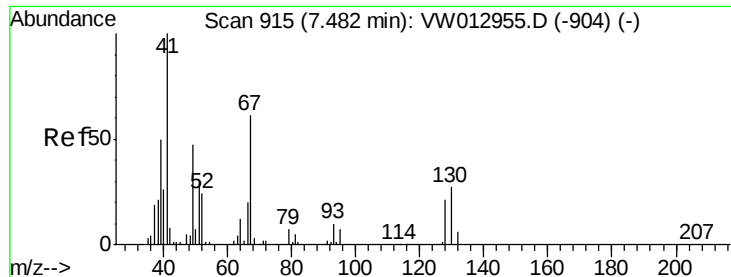
Tgt Ion: 83 Resp: 200389
Ion Ratio Lower Upper
83 100
55 75.7 65.9 98.9
98 48.6 39.6 59.4



#40
Benzene
Concen: 43.862 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013128.D
Acq: 18 Sep 2019 21:37

Tgt Ion: 78 Resp: 536845
Ion Ratio Lower Upper
78 100
77 24.2 19.6 29.4





#41

Methacrylonitrile

Concen: 40.046 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW013128.D

Acq: 18 Sep 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 61371

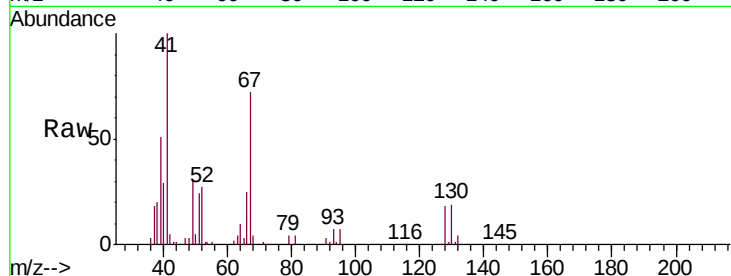
Ion Ratio Lower Upper

41 100

39 57.0 48.2 72.4

67 69.1 47.5 71.3

52 27.8 21.0 31.4

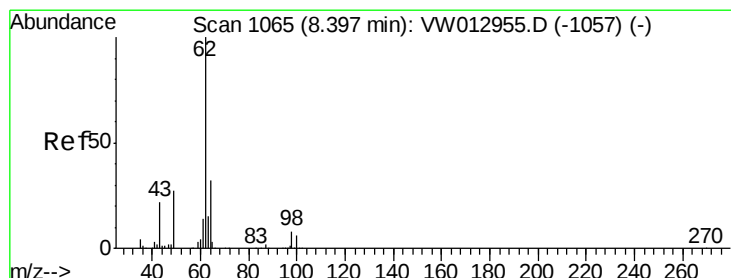
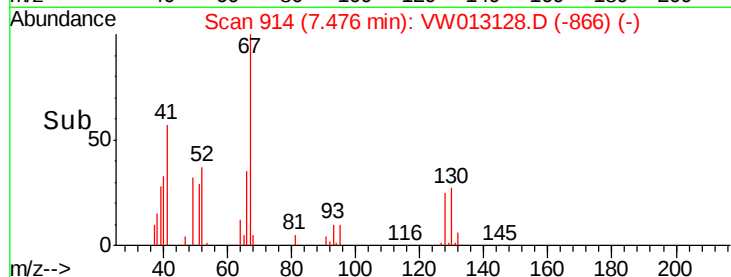
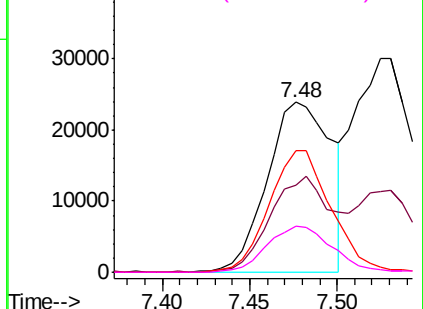


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 38.146 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013128.D

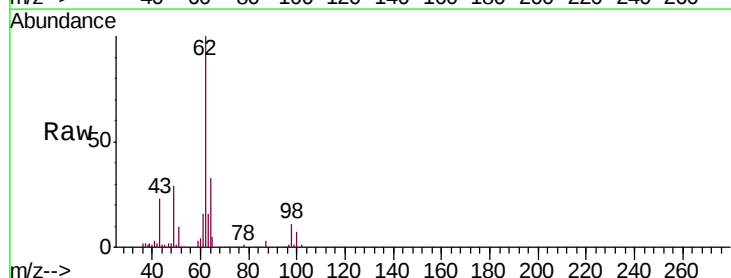
Acq: 18 Sep 2019 21:37

Tgt Ion: 62 Resp: 156512

Ion Ratio Lower Upper

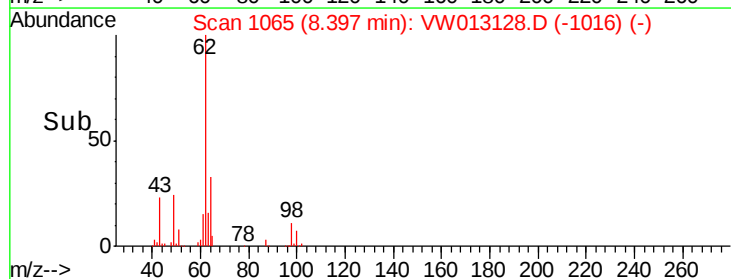
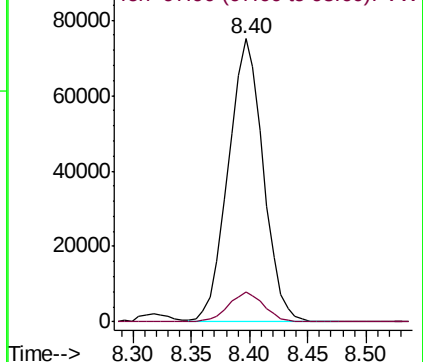
62 100

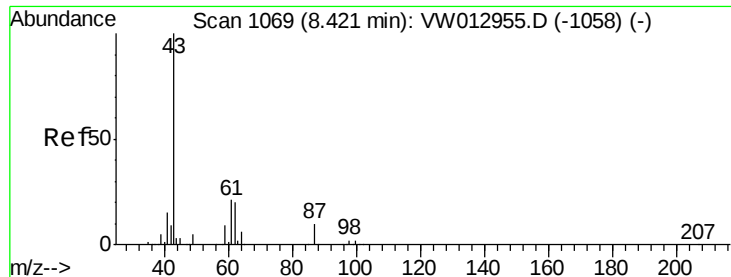
98 10.6 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW

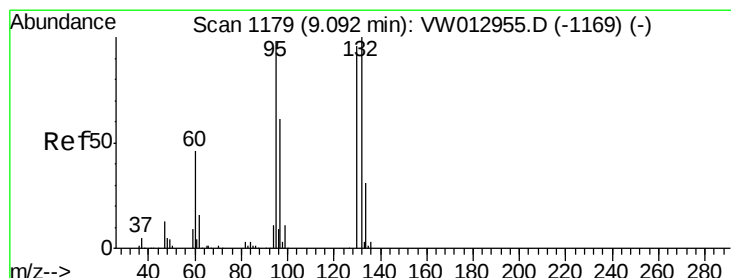
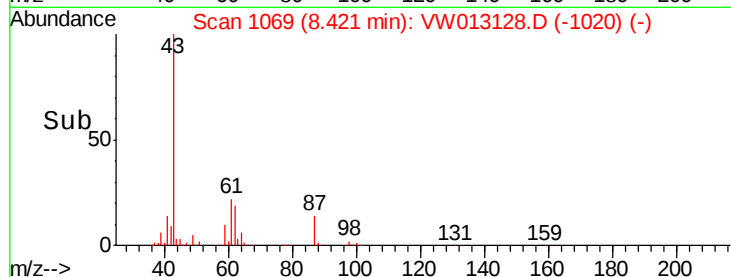
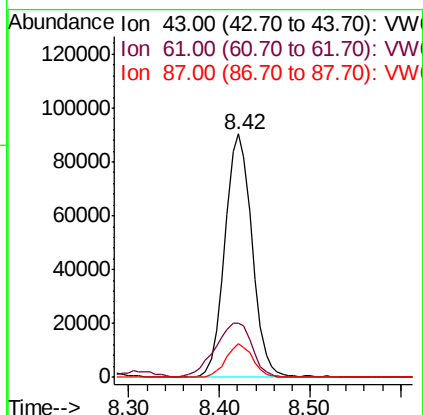
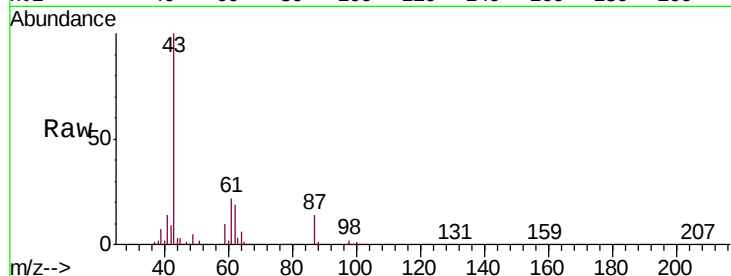




#43
Isopropyl Acetate
Concen: 41.902 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW013128.D
Acq: 18 Sep 2019 21:37

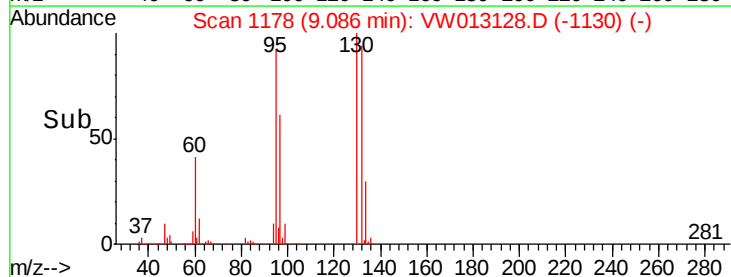
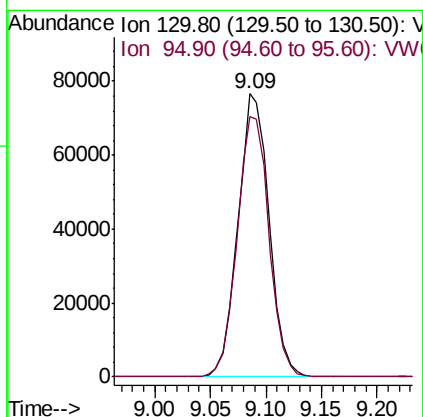
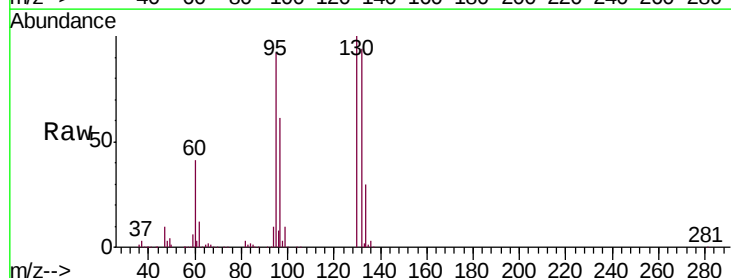
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

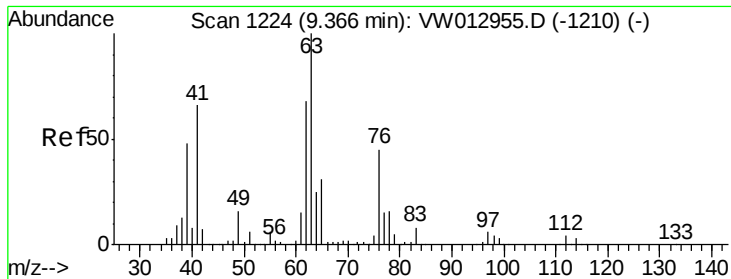
Tgt Ion: 43 Resp: 187226
Ion Ratio Lower Upper
43 100
61 30.6 22.7 34.1
87 13.5 9.4 14.2



#44
Trichloroethene
Concen: 44.083 ug/l
RT: 9.09 min Scan# 1178
Delta R.T. -0.01 min
Lab File: VW013128.D
Acq: 18 Sep 2019 21:37

Tgt Ion: 130 Resp: 147790
Ion Ratio Lower Upper
130 100
95 92.0 0.0 204.4





#45

1,2-Dichloropropane

Concen: 45.045 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013128.D

Acq: 18 Sep 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

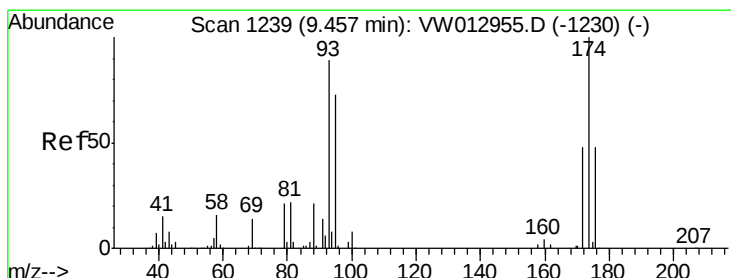
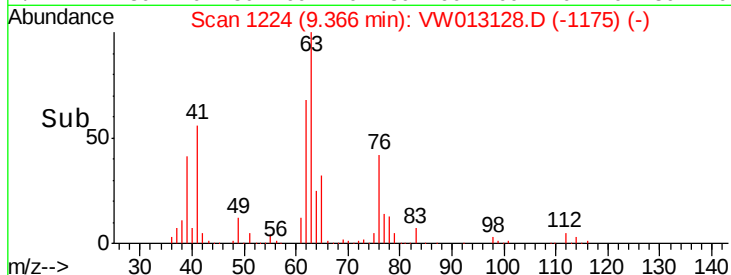
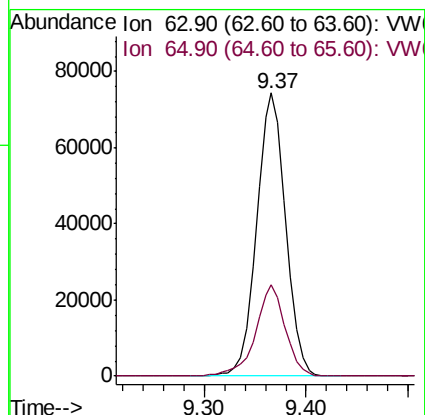
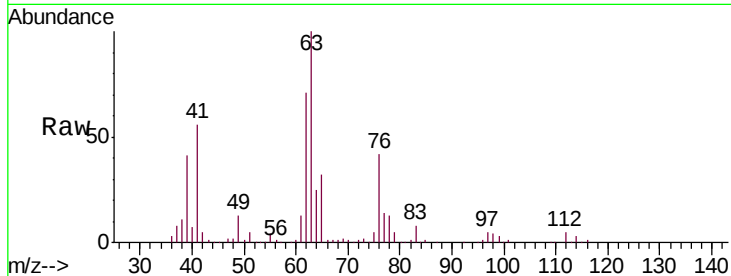
VSTDCCC050EC

Tgt Ion: 63 Resp: 146479

Ion Ratio Lower Upper

63 100

65 32.1 24.6 37.0



#46

Dibromomethane

Concen: 44.386 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013128.D

Acq: 18 Sep 2019 21:37

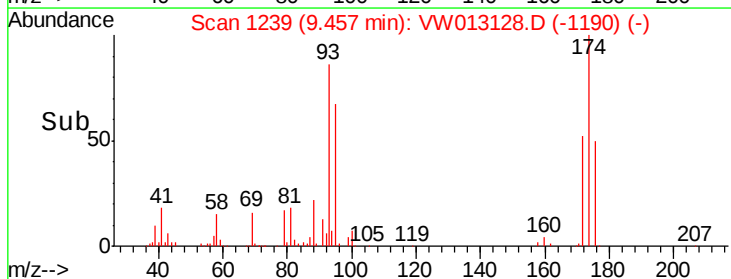
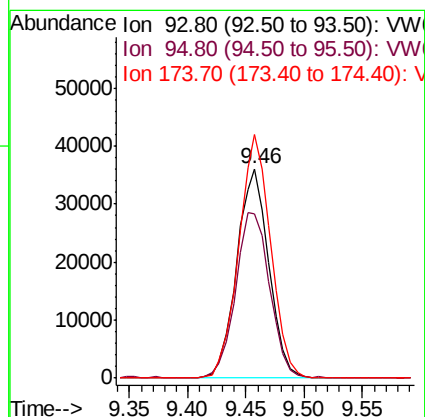
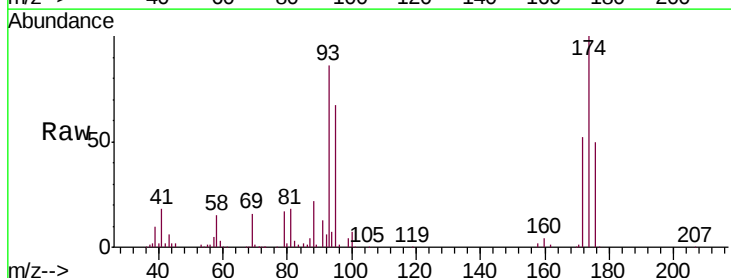
Tgt Ion: 93 Resp: 69151

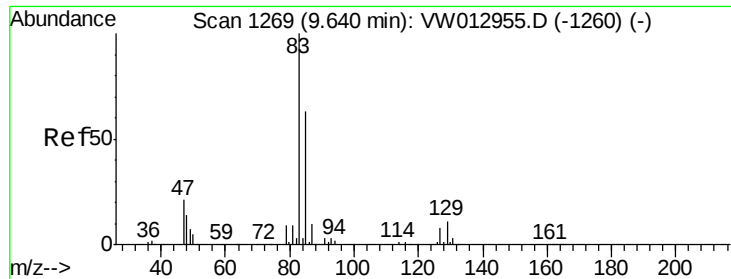
Ion Ratio Lower Upper

93 100

95 84.2 67.0 100.4

174 116.1 90.5 135.7





#47

Bromodichloromethane

Concen: 40.731 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW013128.D

Acq: 18 Sep 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

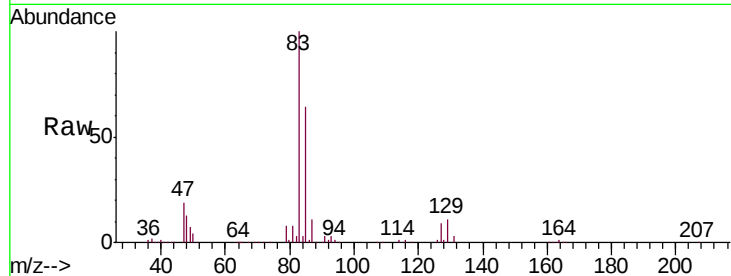
Tgt Ion: 83 Resp: 177998

Ion Ratio Lower Upper

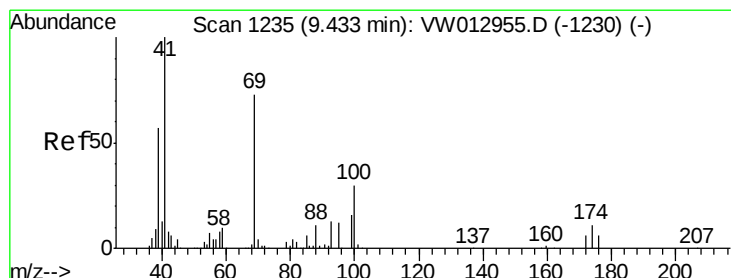
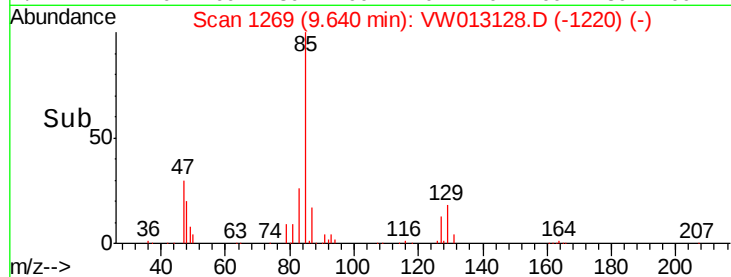
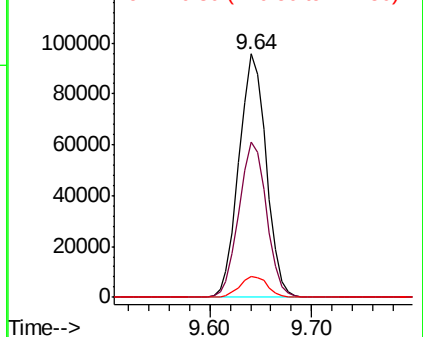
83 100

85 63.5 50.6 75.8

127 8.5 6.7 10.1



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



#48

Methyl methacrylate

Concen: 41.527 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW013128.D

Acq: 18 Sep 2019 21:37

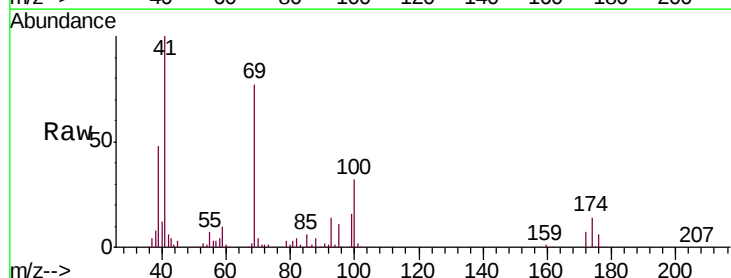
Tgt Ion: 41 Resp: 87082

Ion Ratio Lower Upper

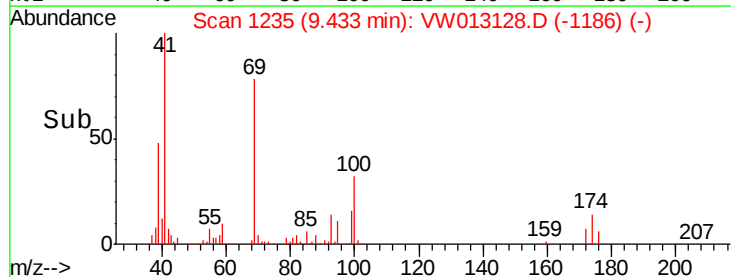
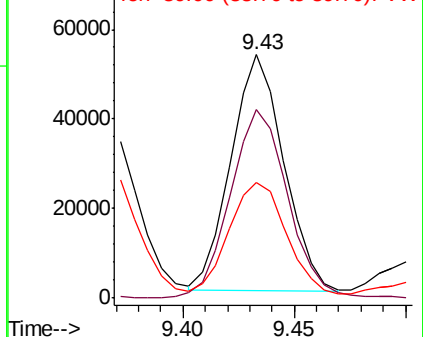
41 100

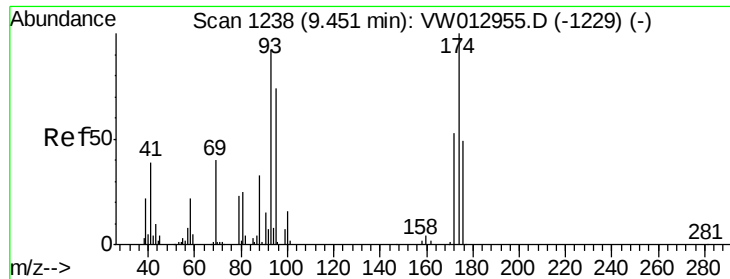
69 86.3 62.8 94.2

39 54.7 48.5 72.7



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





#49

1,4-Dioxane

Concen: 806.802 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW013128.D

Acq: 18 Sep 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

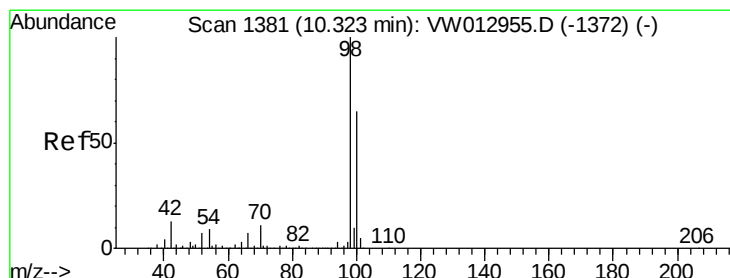
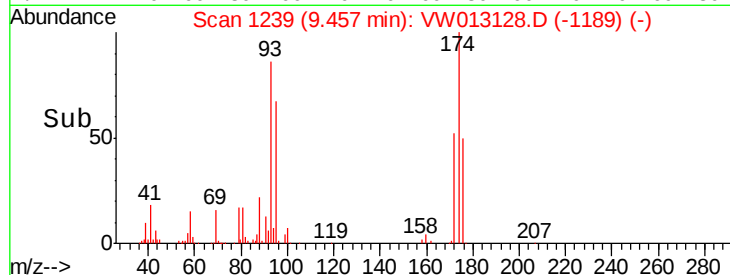
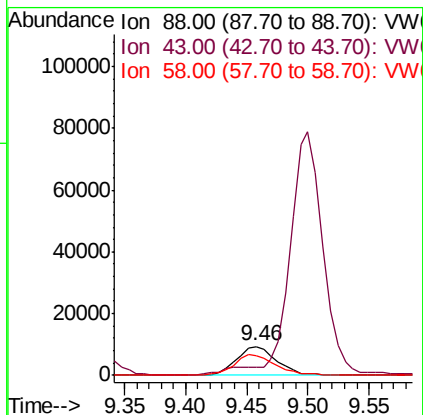
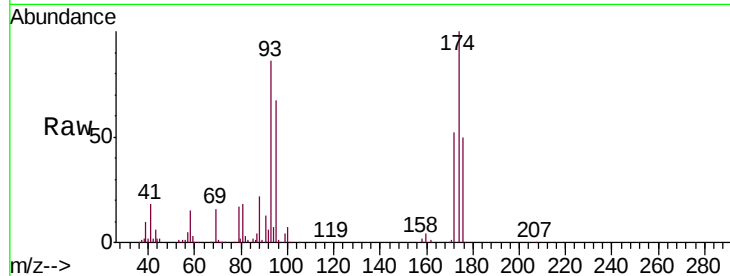
Tgt Ion: 88 Resp: 21062

Ion Ratio Lower Upper

88 100

43 24.1 31.3 46.9#

58 74.5 60.2 90.2



#50

Toluene-d8

Concen: 48.360 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013128.D

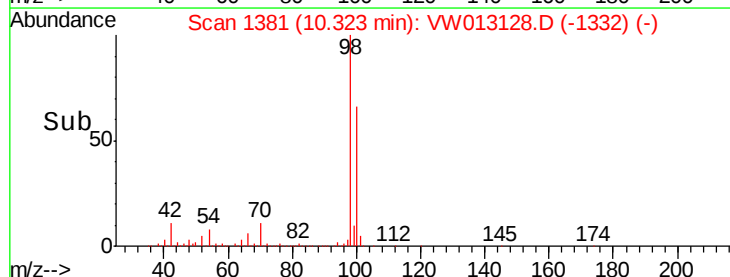
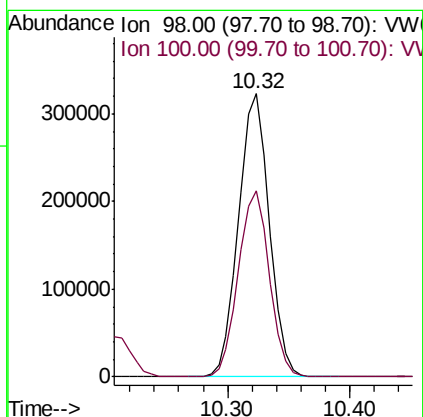
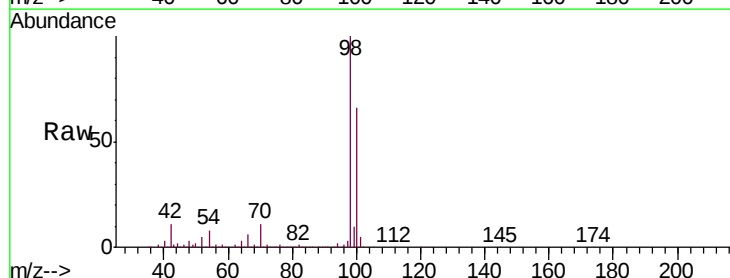
Acq: 18 Sep 2019 21:37

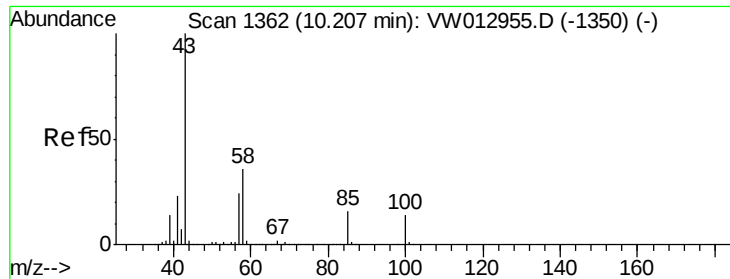
Tgt Ion: 98 Resp: 563388

Ion Ratio Lower Upper

98 100

100 66.2 52.1 78.1

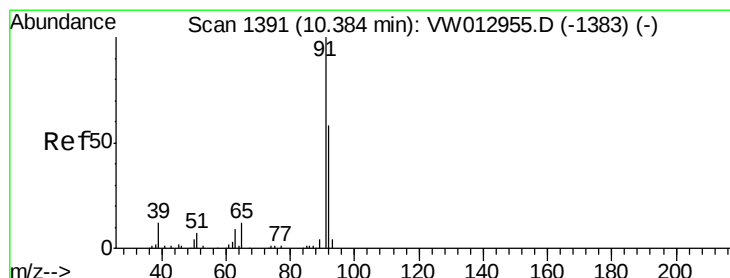
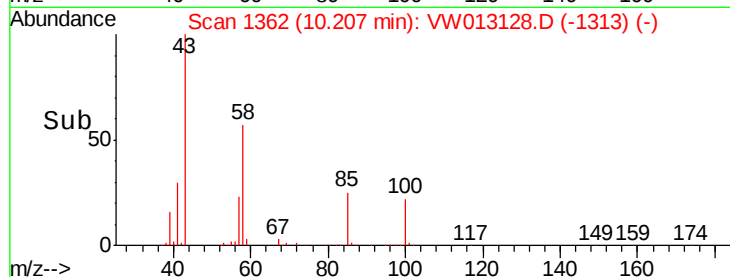
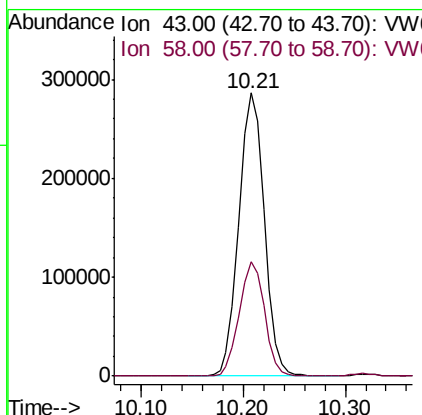
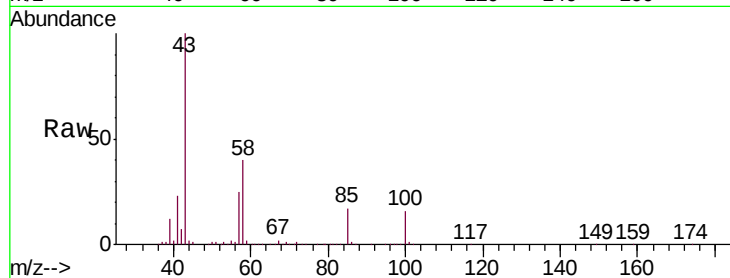




#51
 4-Methyl-2-Pentanone
 Concen: 214.445 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013128.D
 Acq: 18 Sep 2019 21:37

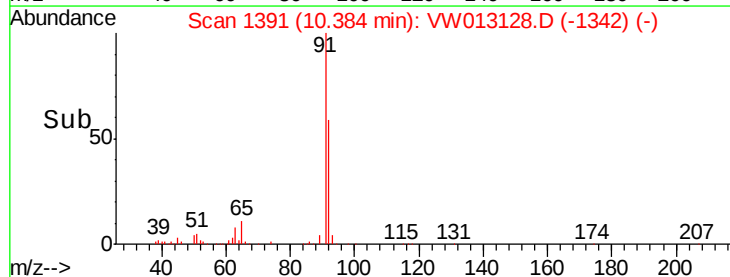
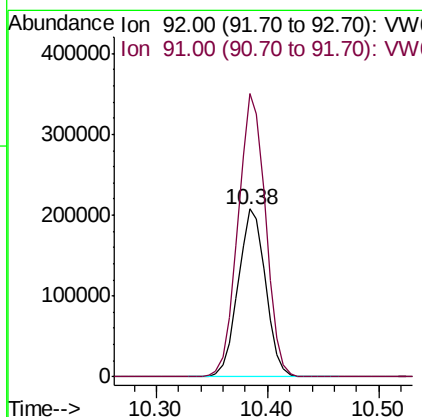
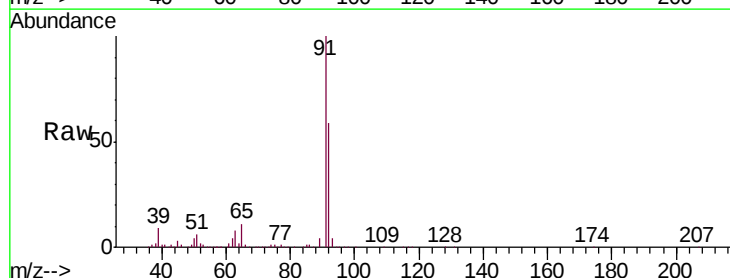
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

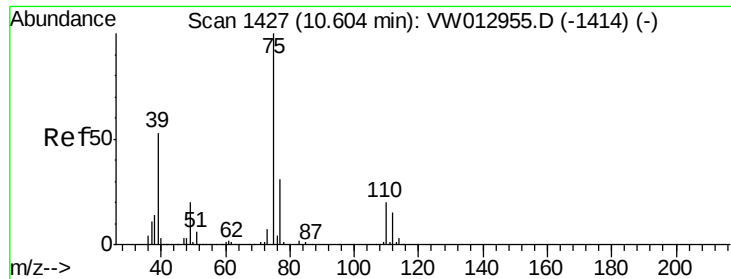
Tgt Ion: 43 Resp: 494685
 Ion Ratio Lower Upper
 43 100
 58 40.4 29.5 44.3



#52
 Toluene
 Concen: 45.549 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW013128.D
 Acq: 18 Sep 2019 21:37

Tgt Ion: 92 Resp: 354257
 Ion Ratio Lower Upper
 92 100
 91 169.1 137.5 206.3

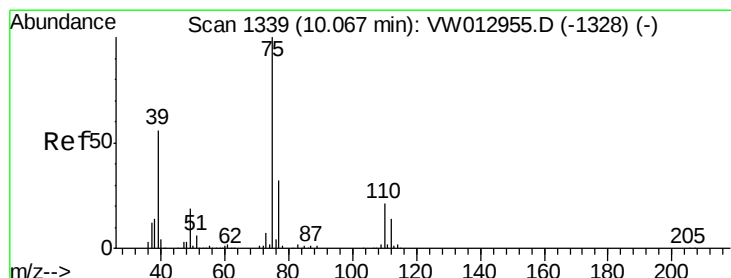
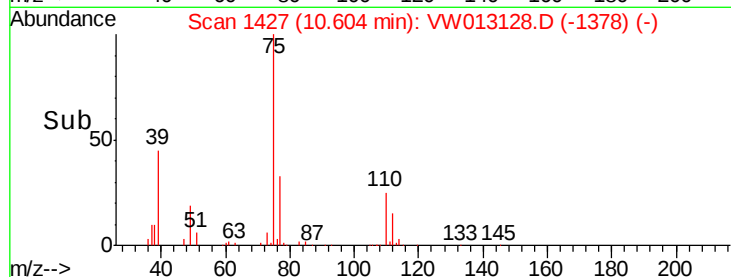
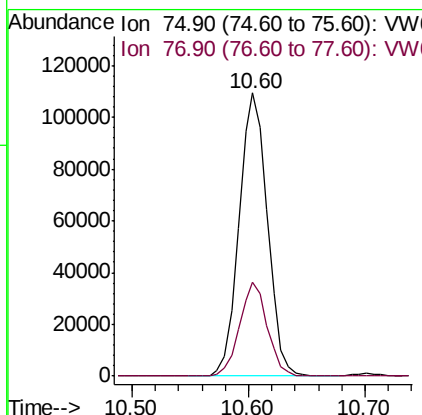
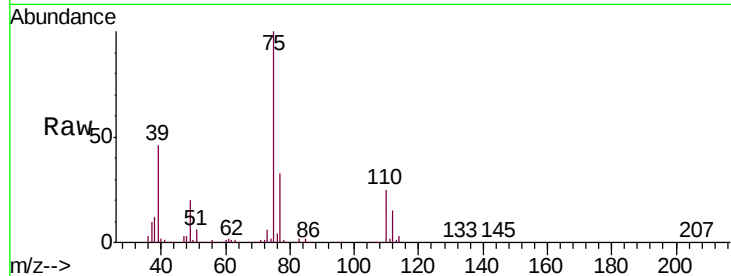




#53
t-1,3-Dichloropropene
Concen: 42.092 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW013128.D
Acq: 18 Sep 2019 21:37

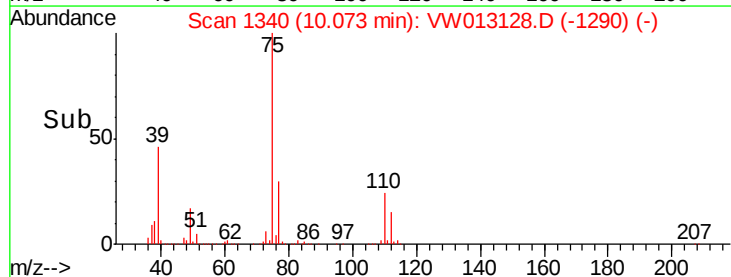
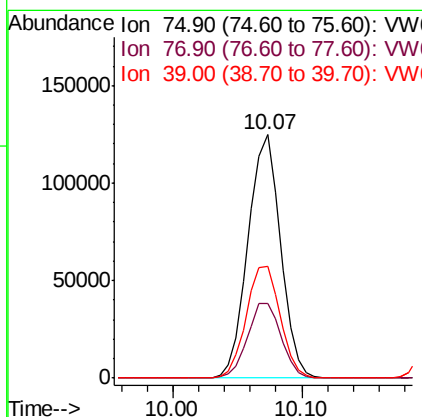
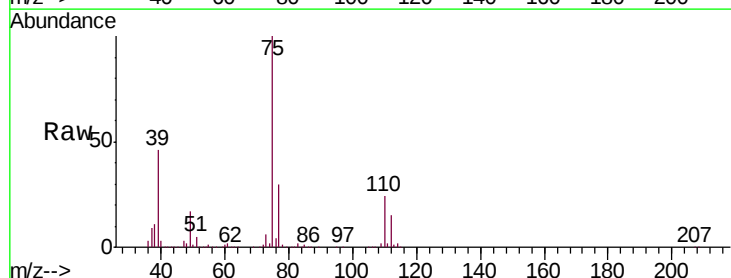
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

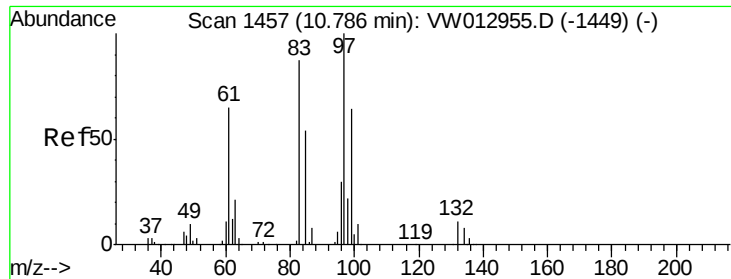
Tgt Ion: 75 Resp: 184997
Ion Ratio Lower Upper
75 100
77 33.2 24.6 37.0



#54
cis-1,3-Dichloropropene
Concen: 43.273 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.01 min
Lab File: VW013128.D
Acq: 18 Sep 2019 21:37

Tgt Ion: 75 Resp: 217612
Ion Ratio Lower Upper
75 100
77 30.4 25.5 38.3
39 46.0 45.0 67.6

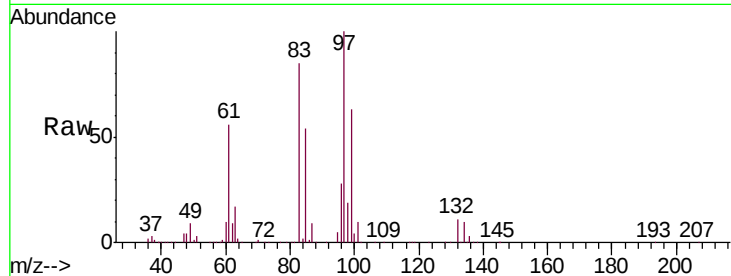




#55
 1,1,2-Trichloroethane
 Concen: 48.299 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013128.D
 Acq: 18 Sep 2019 21:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:	97	Resp:	114631
Ion	Ratio	Lower	Upper
97	100		
83	84.6	69.4	104.0
85	54.2	43.3	64.9
99	63.0	50.9	76.3



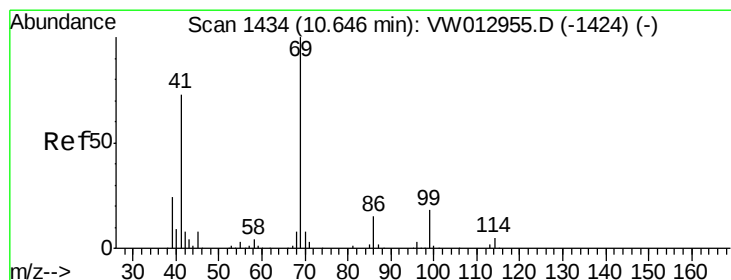
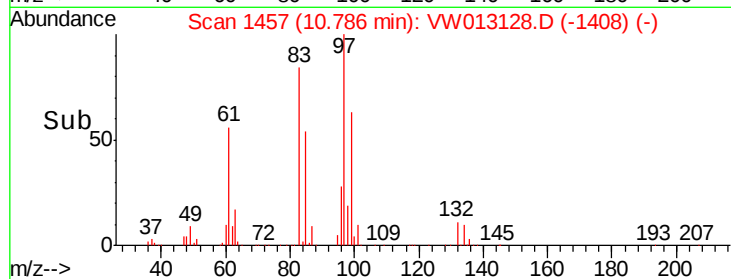
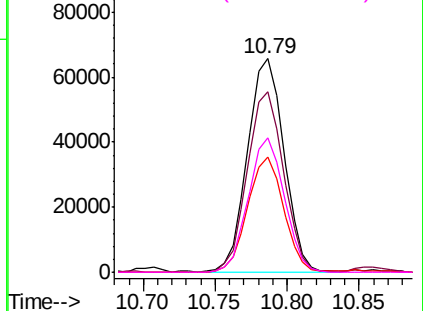
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

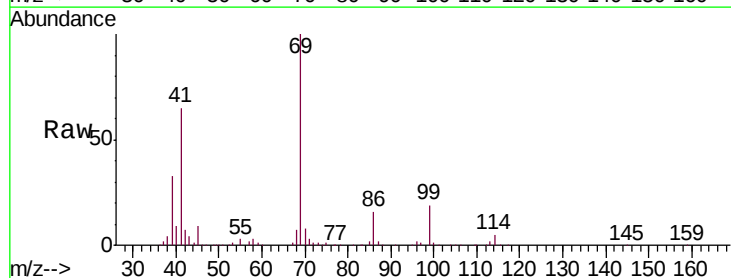
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 47.970 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW013128.D
 Acq: 18 Sep 2019 21:37

Tgt Ion:	69	Resp:	153246
Ion	Ratio	Lower	Upper
69	100		
41	67.8	60.8	91.2
39	28.2	29.4	44.0#

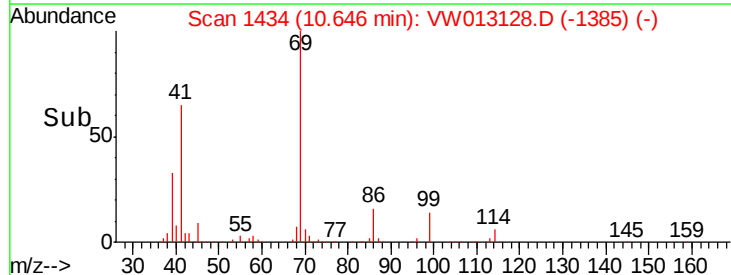
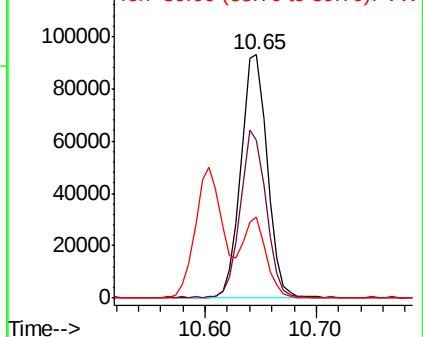


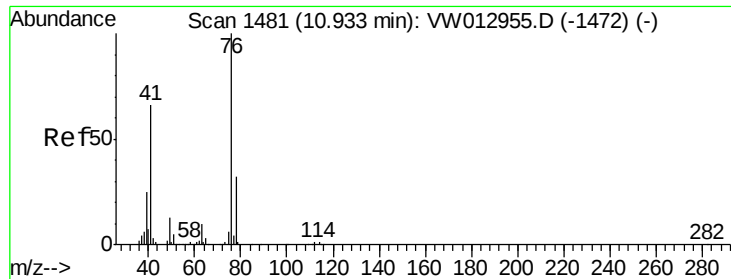
Abundance

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

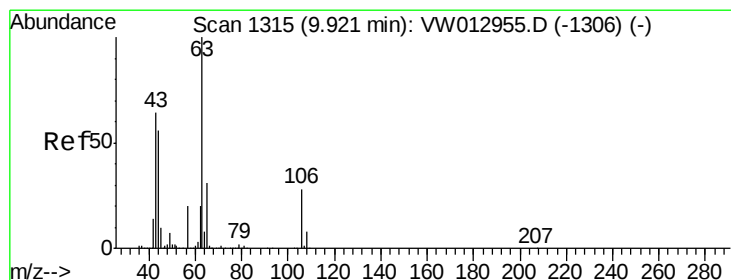
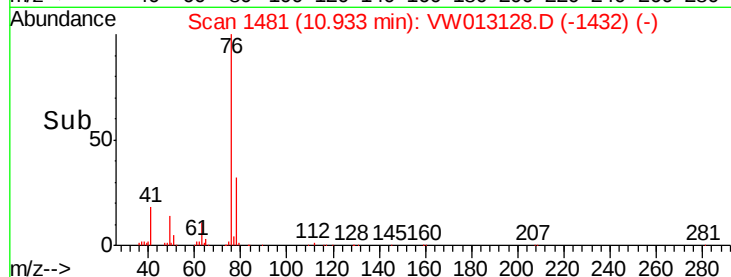
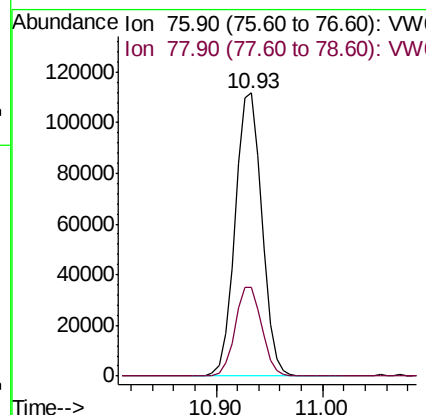
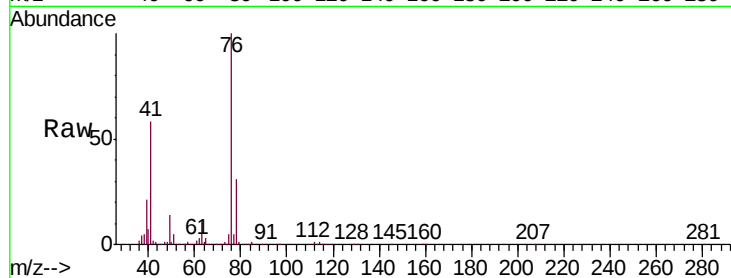




#57
 1,3-Dichloropropane
 Concen: 46.794 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013128.D
 Acq: 18 Sep 2019 21:37

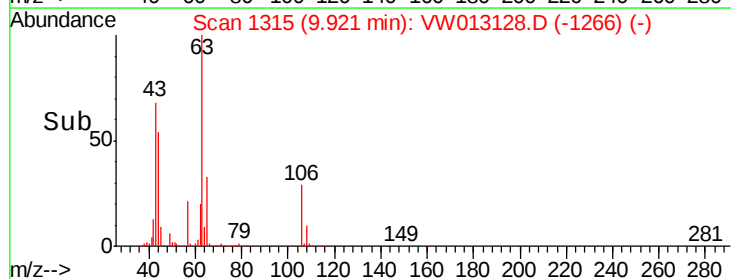
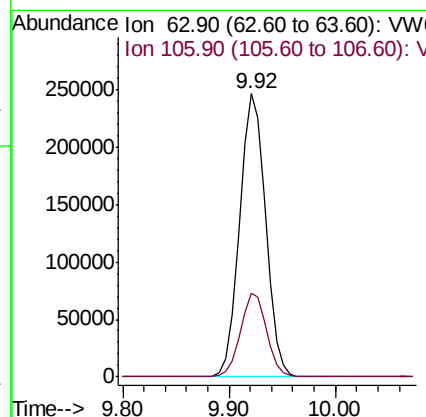
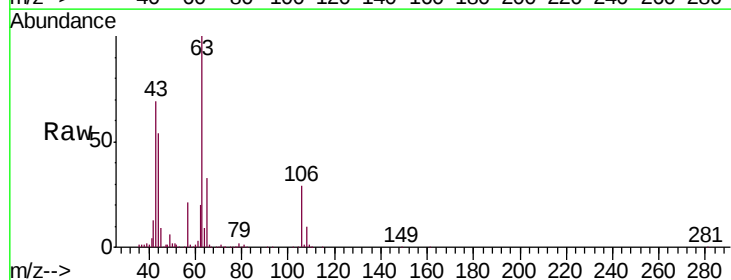
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

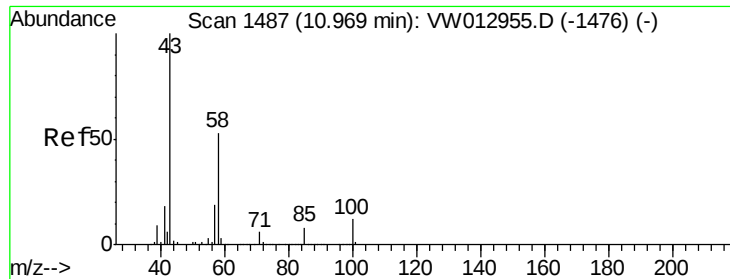
Tgt Ion: 76 Resp: 197009
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 247.211 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013128.D
 Acq: 18 Sep 2019 21:37

Tgt Ion: 63 Resp: 423645
 Ion Ratio Lower Upper
 63 100
 106 29.5 22.2 33.2





#59

2-Hexanone

Concen: 209.564 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW013128.D

Acq: 18 Sep 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

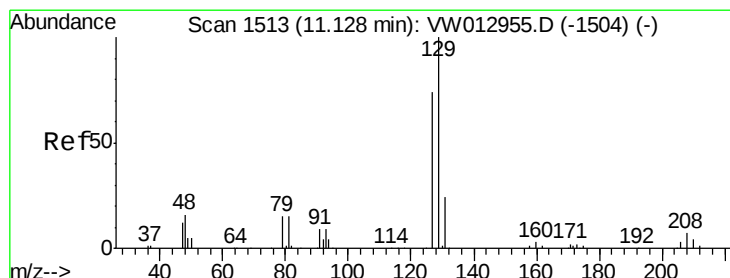
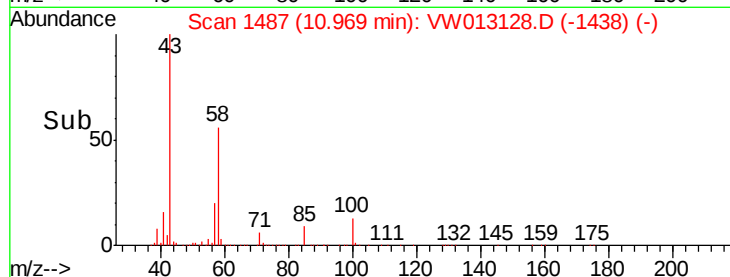
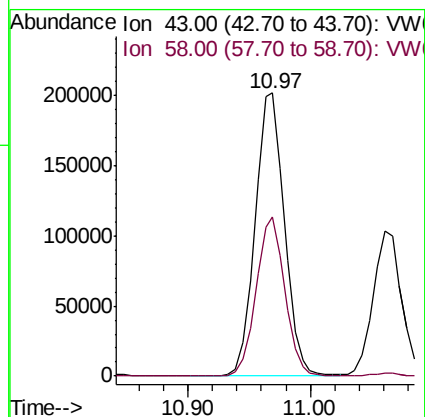
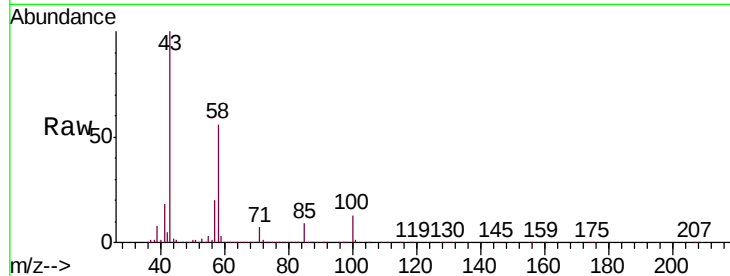
VSTDCCC050EC

Tgt Ion: 43 Resp: 336614

Ion Ratio Lower Upper

43 100

58 55.2 25.8 77.3



#60

Dibromochloromethane

Concen: 44.297 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW013128.D

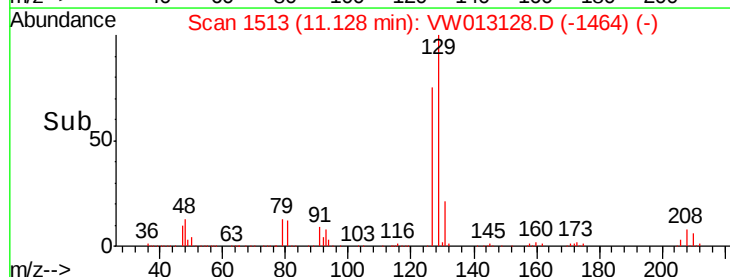
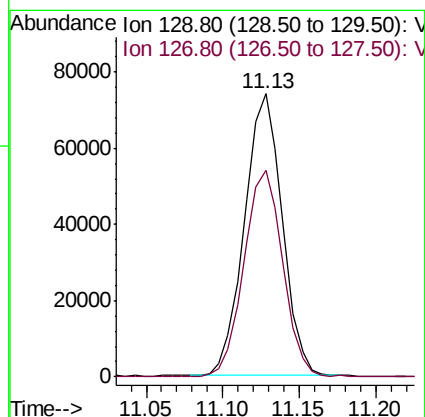
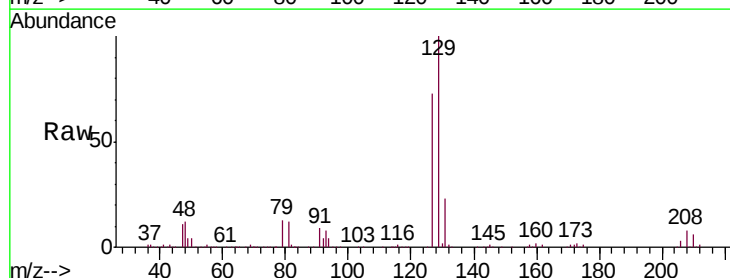
Acq: 18 Sep 2019 21:37

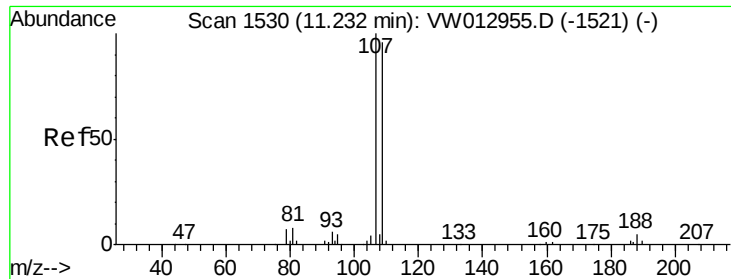
Tgt Ion: 129 Resp: 127107

Ion Ratio Lower Upper

129 100

127 75.4 37.4 112.2

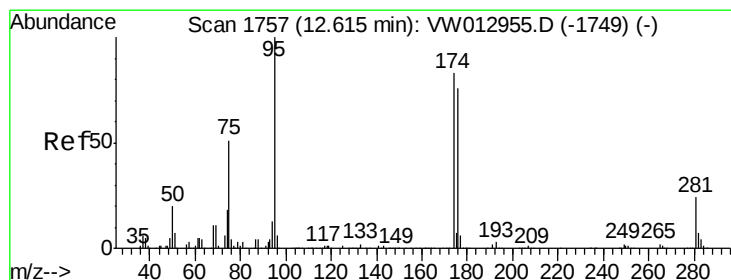
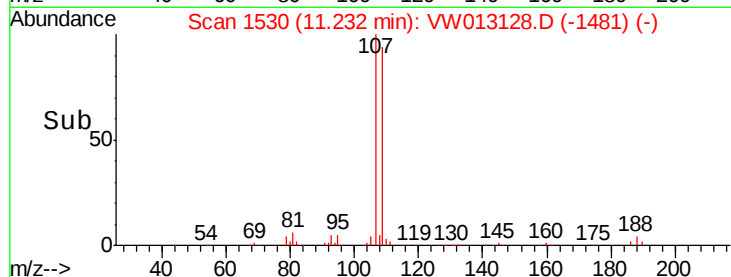
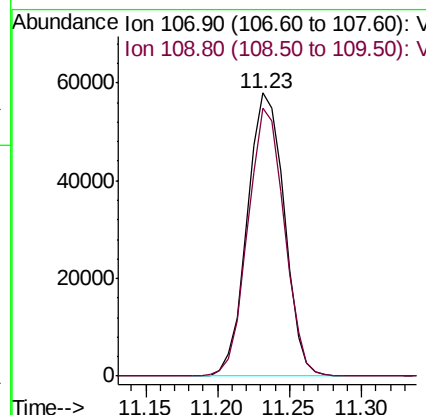
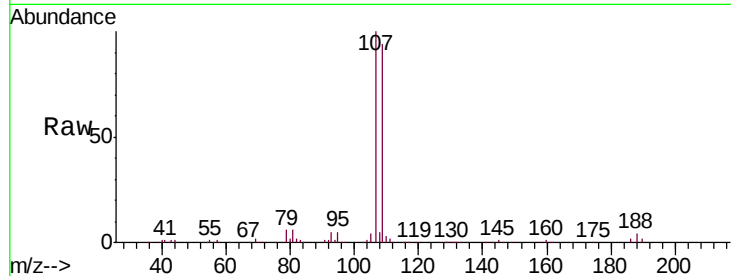




#61
 1,2-Dibromoethane
 Concen: 47.570 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013128.D
 Acq: 18 Sep 2019 21:37

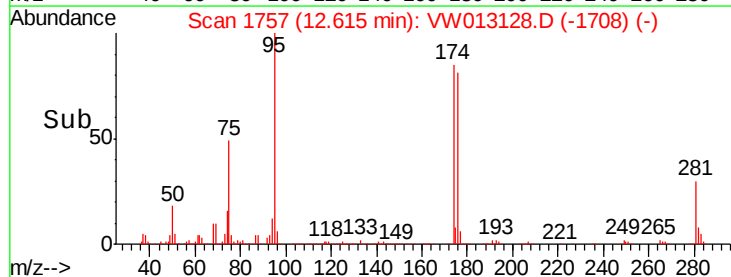
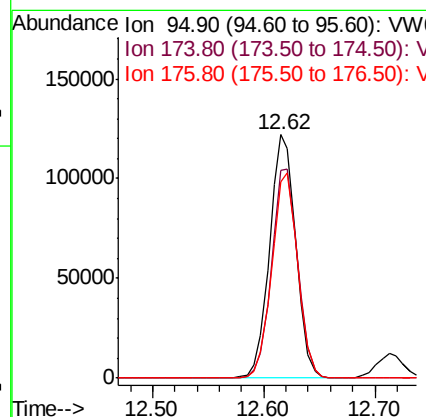
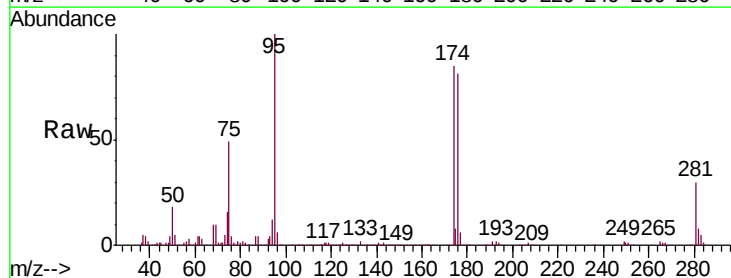
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

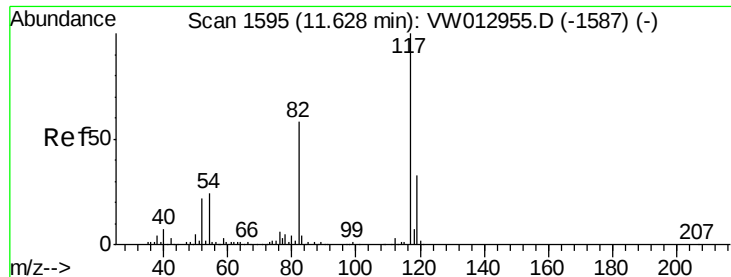
Tgt Ion: 107 Resp: 102993
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 47.710 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013128.D
 Acq: 18 Sep 2019 21:37

Tgt Ion: 95 Resp: 199858
 Ion Ratio Lower Upper
 95 100
 174 86.2 0.0 170.4
 176 83.4 0.0 164.6

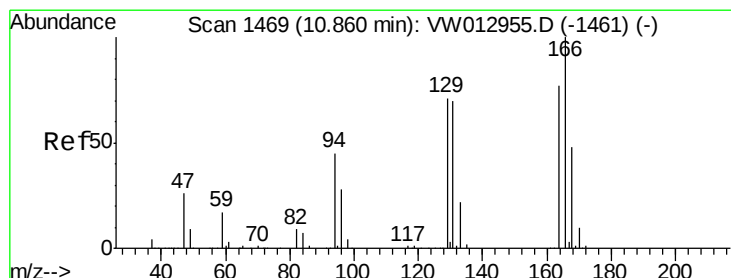
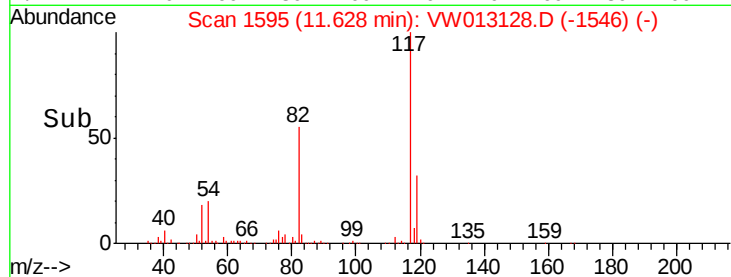
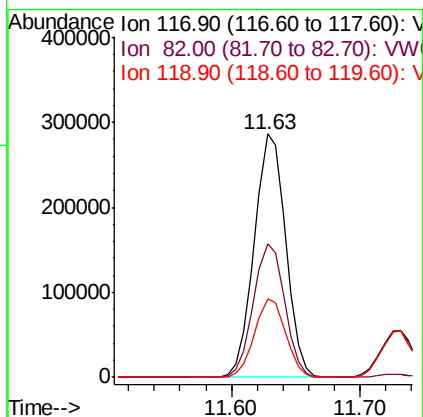
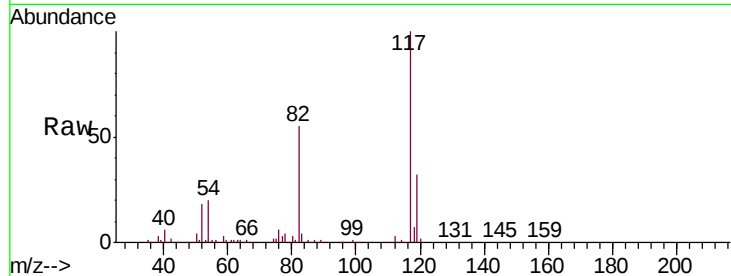




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013128.D
Acq: 18 Sep 2019 21:37

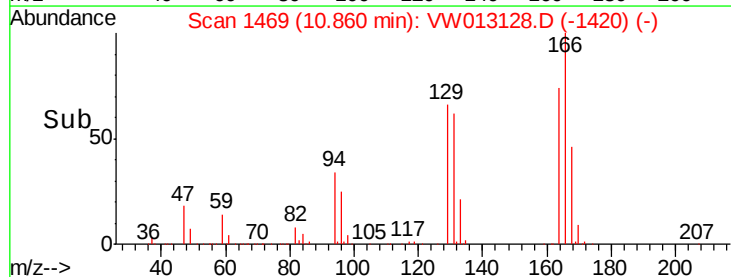
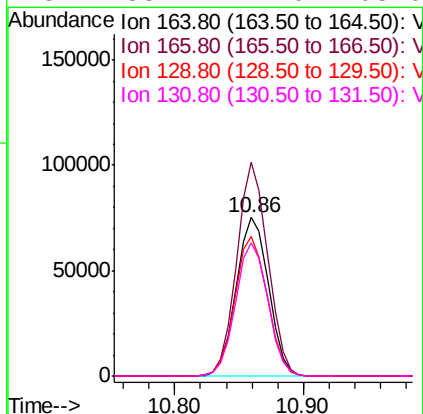
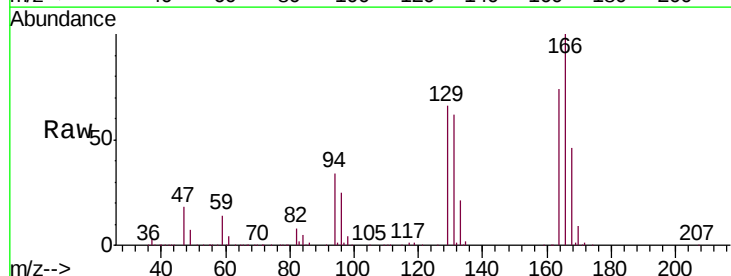
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

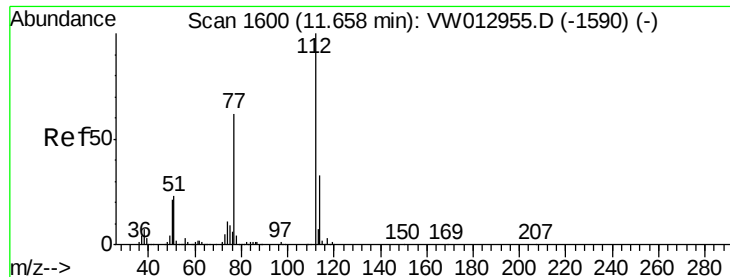
Tgt Ion:117 Resp: 481405
Ion Ratio Lower Upper
117 100
82 54.7 46.3 69.5
119 32.4 26.2 39.4



#64
Tetrachloroethene
Concen: 45.723 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013128.D
Acq: 18 Sep 2019 21:37

Tgt Ion:164 Resp: 130945
Ion Ratio Lower Upper
164 100
166 134.8 103.3 154.9
129 88.4 73.8 110.8
131 83.7 72.0 108.0

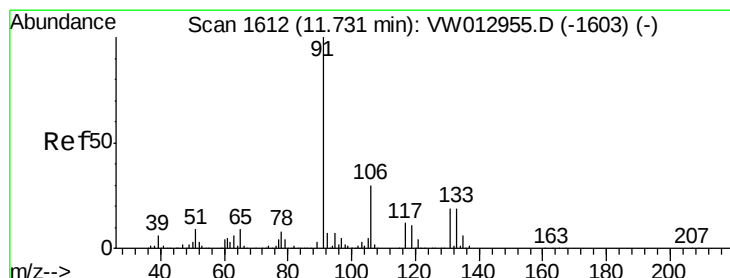
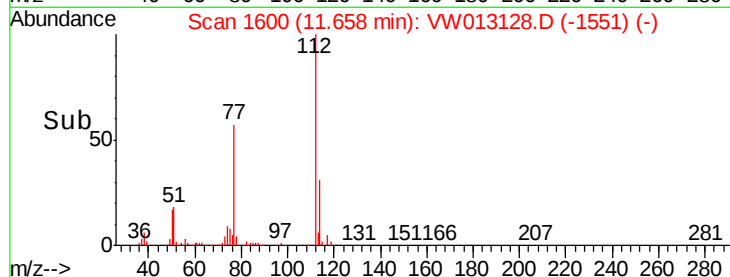
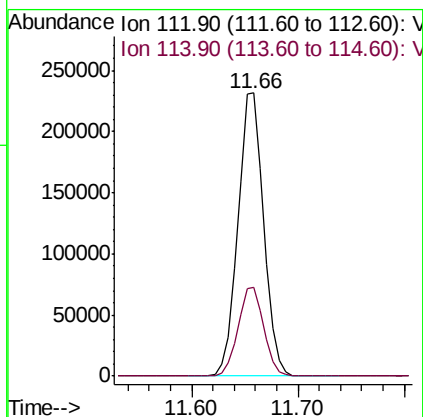
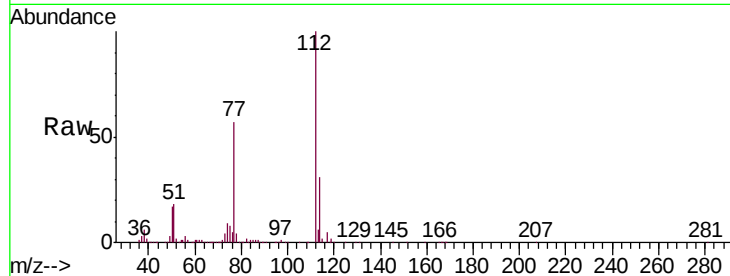




#65
Chlorobenzene
Concen: 45.798 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013128.D
Acq: 18 Sep 2019 21:37

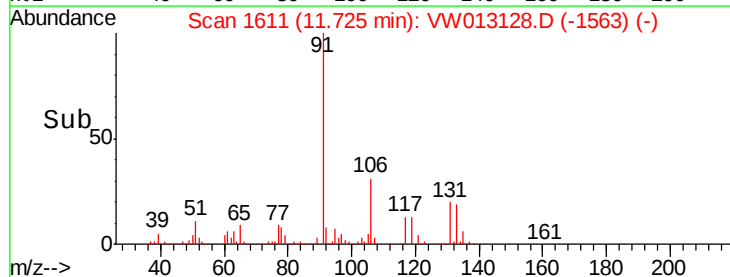
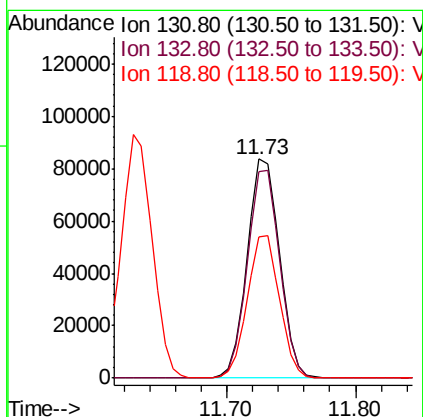
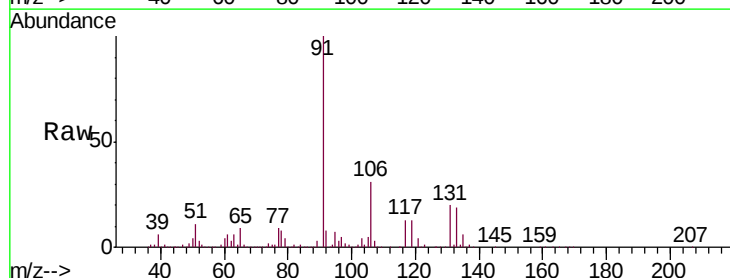
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

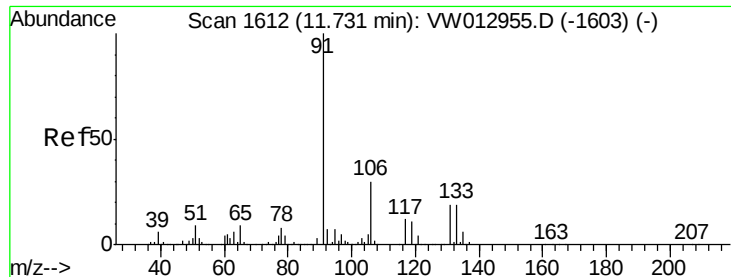
Tgt Ion:112 Resp: 392712
Ion Ratio Lower Upper
112 100
114 31.3 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 44.072 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013128.D
Acq: 18 Sep 2019 21:37

Tgt Ion:131 Resp: 144823
Ion Ratio Lower Upper
131 100
133 94.9 47.9 143.8
119 65.0 30.9 92.7

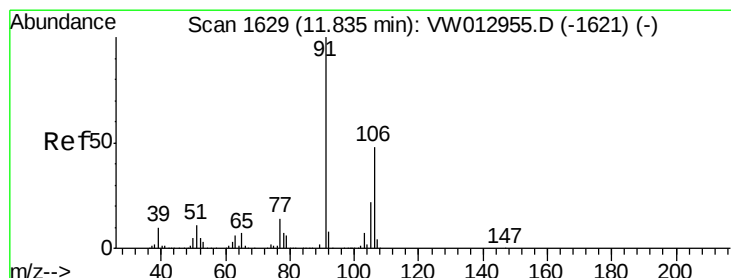
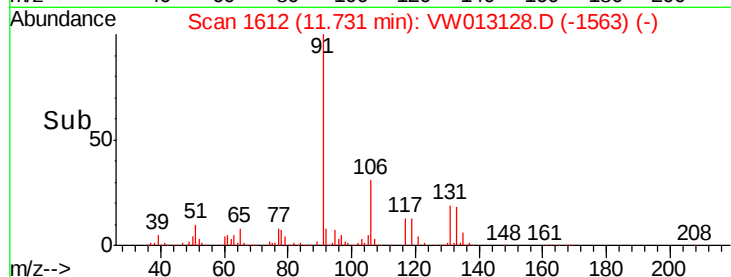
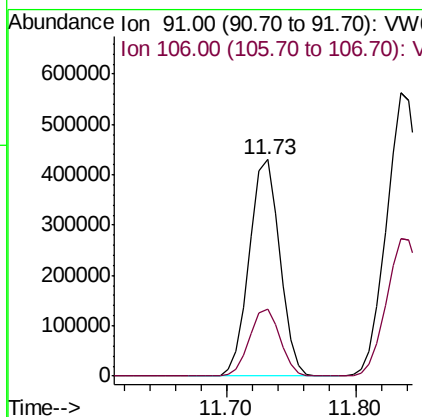
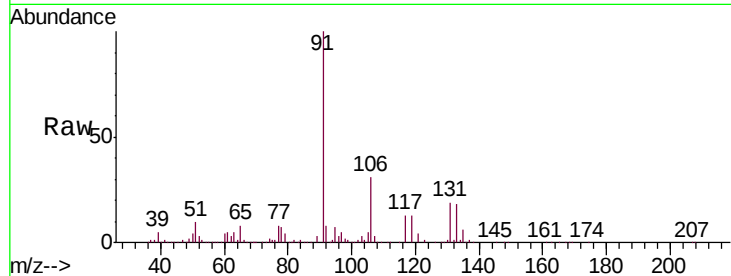




#67
Ethyl Benzene
Concen: 44.245 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013128.D
Acq: 18 Sep 2019 21:37

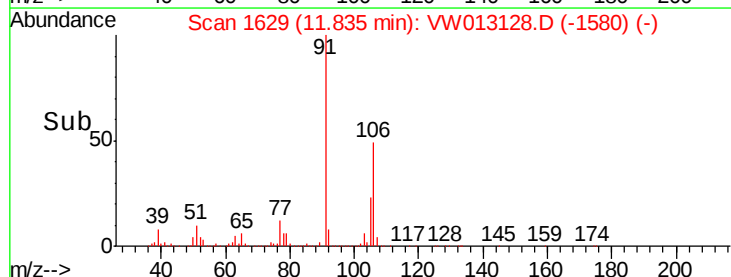
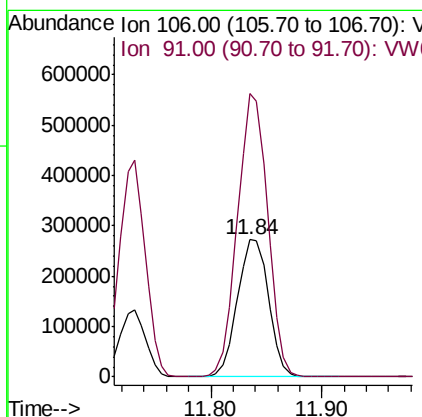
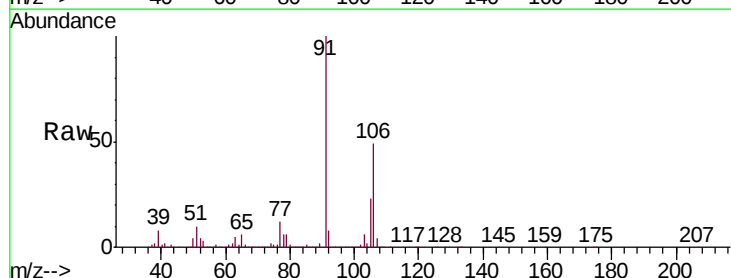
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

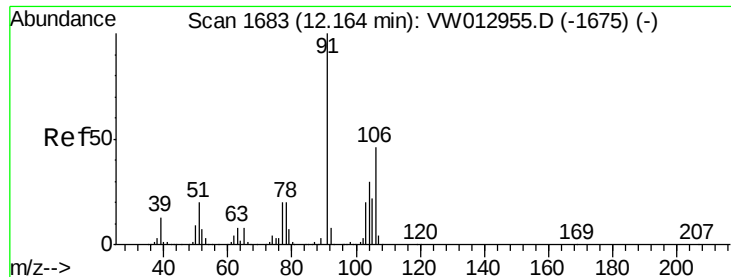
Tgt Ion: 91 Resp: 700702
Ion Ratio Lower Upper
91 100
106 30.8 24.3 36.5



#68
m/p-Xylenes
Concen: 91.502 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW013128.D
Acq: 18 Sep 2019 21:37

Tgt Ion: 106 Resp: 529380
Ion Ratio Lower Upper
106 100
91 199.9 165.8 248.8

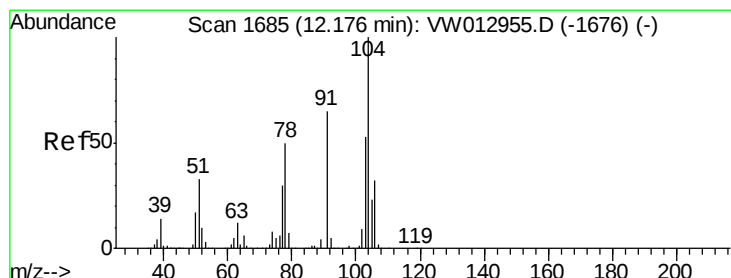
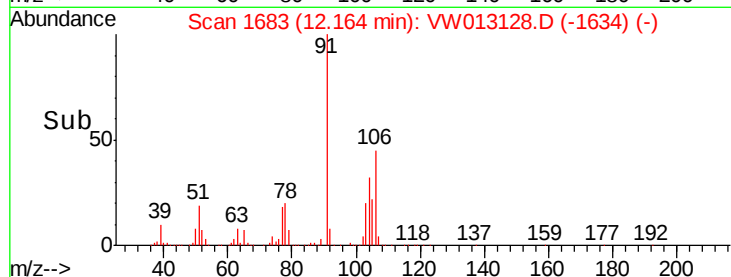
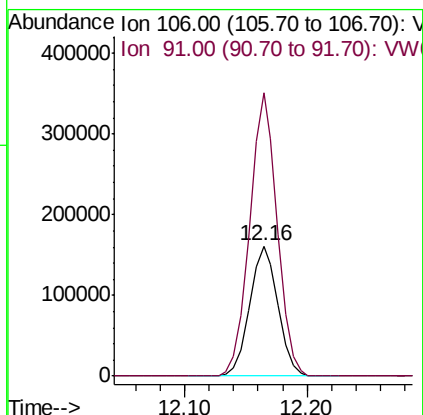
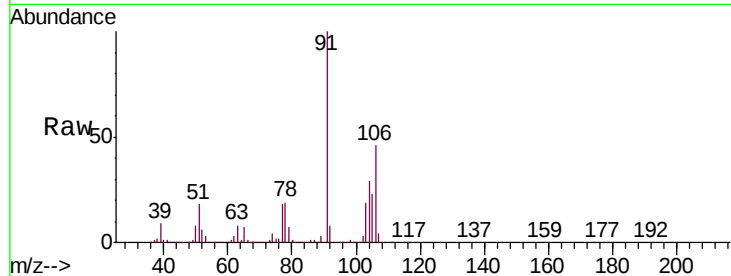




#69
o-Xylene
Concen: 47.690 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013128.D
Acq: 18 Sep 2019 21:37

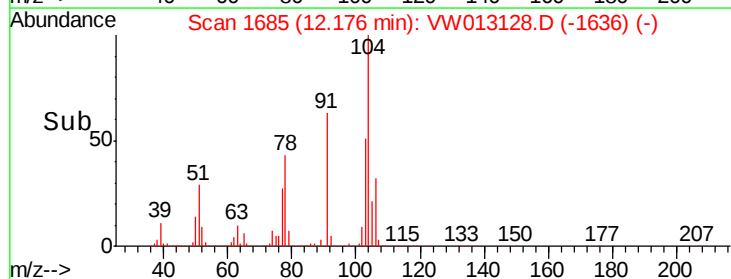
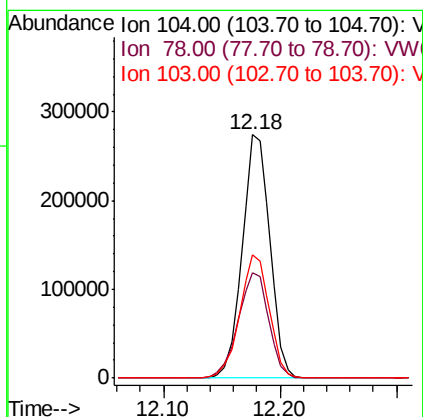
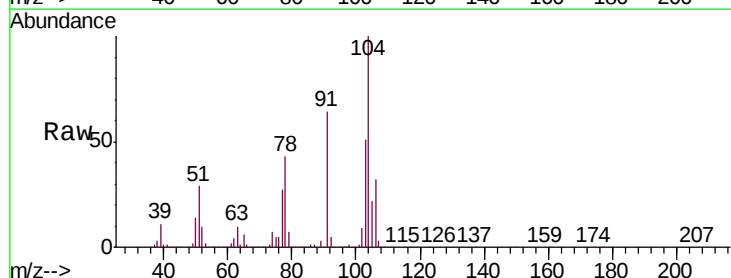
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

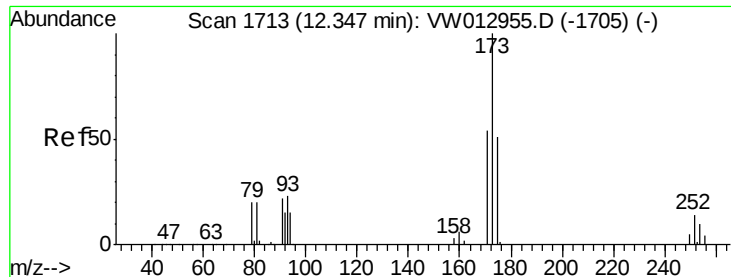
Tgt Ion:106 Resp: 258669
Ion Ratio Lower Upper
106 100
91 211.7 109.7 329.0



#70
Styrene
Concen: 47.136 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW013128.D
Acq: 18 Sep 2019 21:37

Tgt Ion:104 Resp: 454794
Ion Ratio Lower Upper
104 100
78 47.7 42.1 63.1
103 53.9 44.2 66.4





#71

Bromoform

Concen: 43.268 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013128.D

Acq: 18 Sep 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

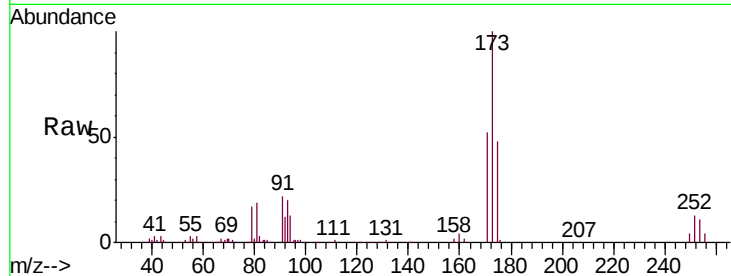
Tgt Ion:173 Resp: 74684

Ion Ratio Lower Upper

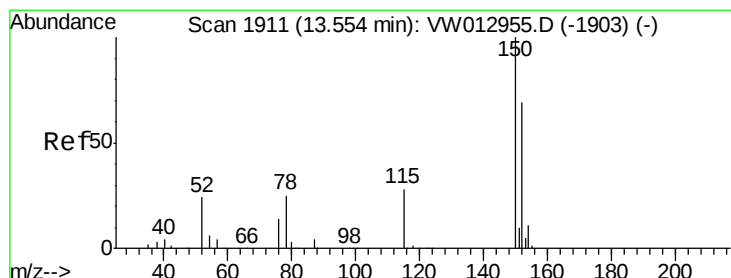
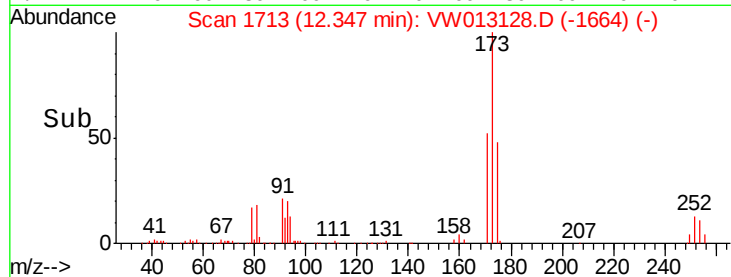
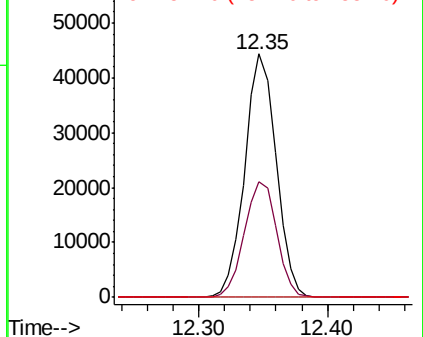
173 100

175 49.1 24.2 72.6

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.01 min

Lab File: VW013128.D

Acq: 18 Sep 2019 21:37

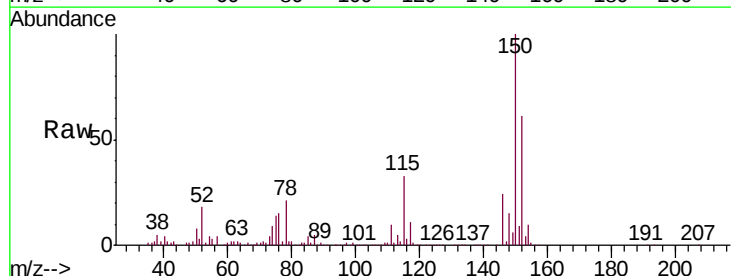
Tgt Ion:152 Resp: 238415

Ion Ratio Lower Upper

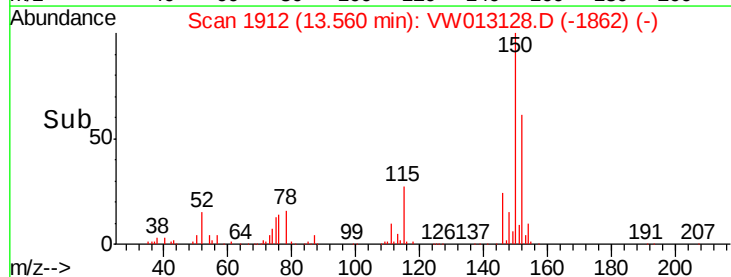
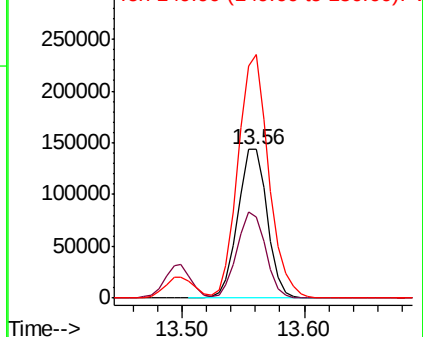
152 100

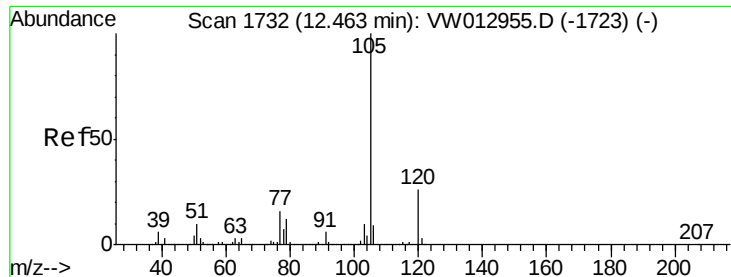
115 56.2 28.8 86.4

150 170.9 0.0 340.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 45.208 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013128.D

Acq: 18 Sep 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

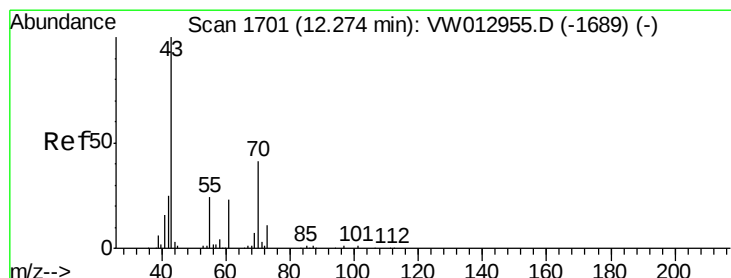
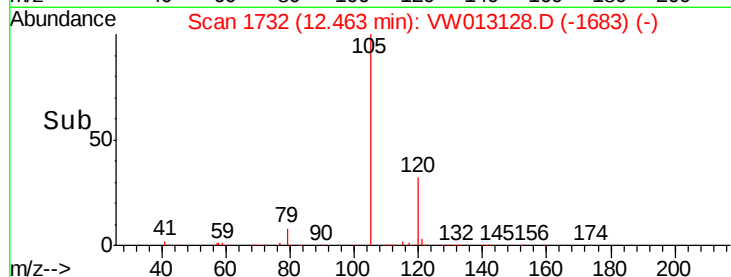
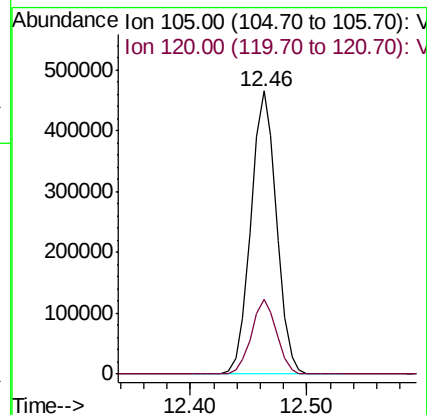
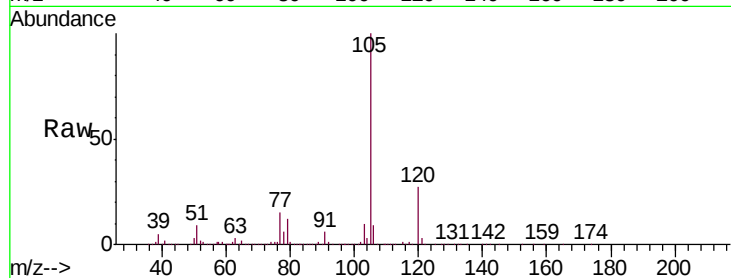
VSTDCCC050EC

Tgt Ion:105 Resp: 714419

Ion Ratio Lower Upper

105 100

120 26.1 13.0 39.0



#74

N-ethyl acetate

Concen: 44.135 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW013128.D

Acq: 18 Sep 2019 21:37

Tgt Ion: 43 Resp: 179414

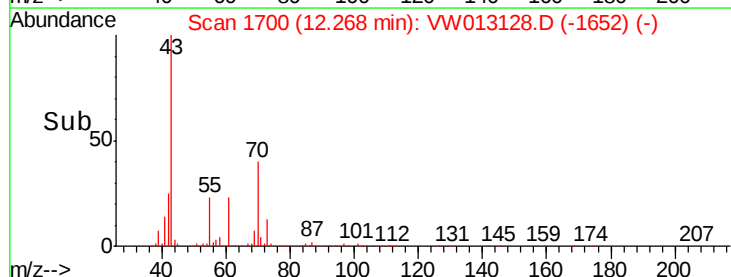
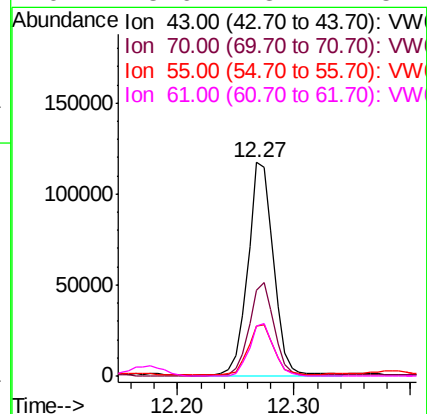
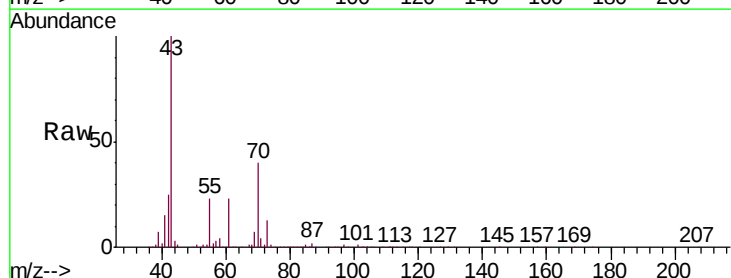
Ion Ratio Lower Upper

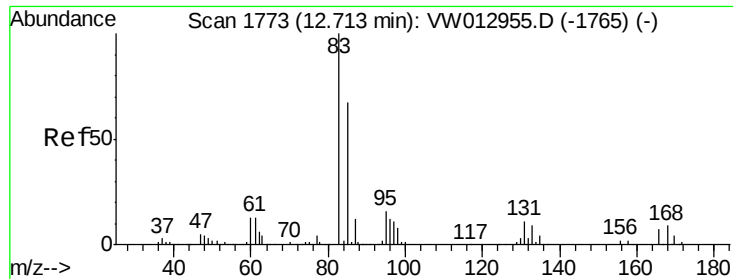
43 100

70 42.3 31.7 47.5

55 24.1 19.4 29.2

61 23.6 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 47.657 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013128.D

Acq: 18 Sep 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

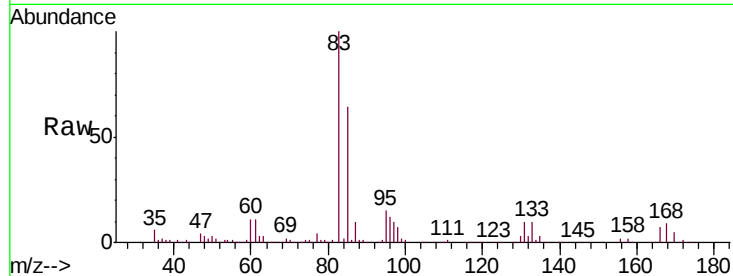
Tgt Ion: 83 Resp: 132274

Ion Ratio Lower Upper

83 100

131 11.0 5.7 17.1

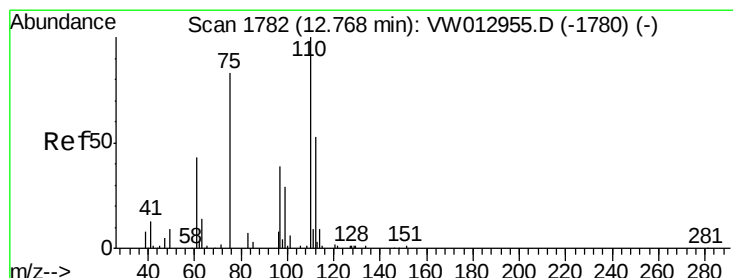
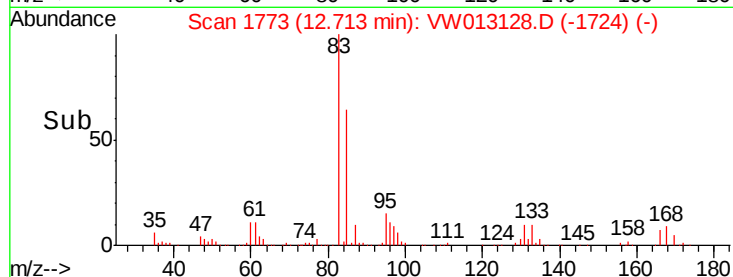
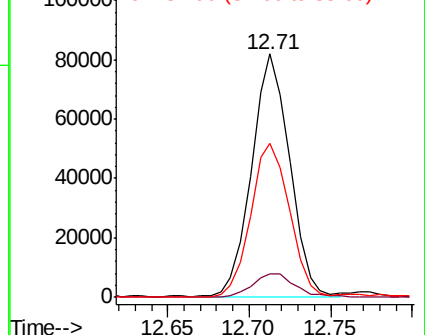
85 64.6 31.4 94.3



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: 79.619 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013128.D

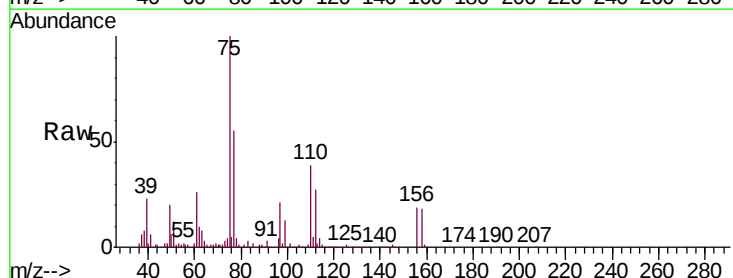
Acq: 18 Sep 2019 21:37

Tgt Ion: 75 Resp: 166270

Ion Ratio Lower Upper

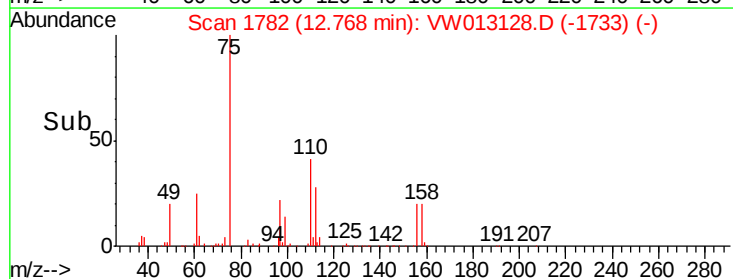
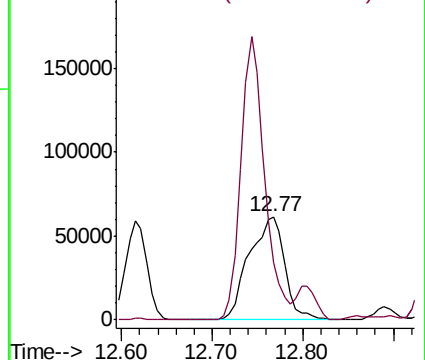
75 100

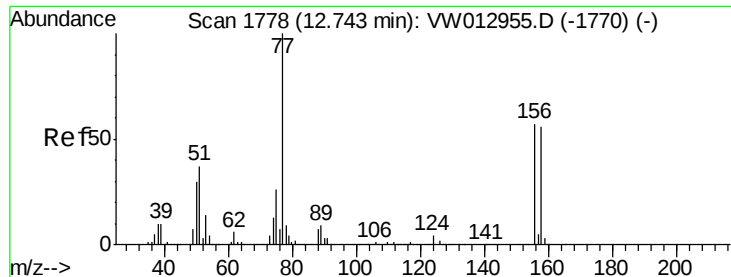
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 46.694 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013128.D

Acq: 18 Sep 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

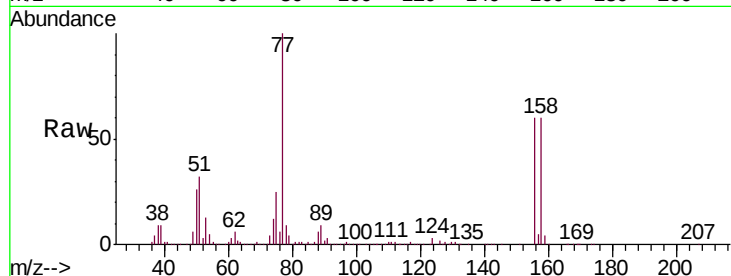
Tgt Ion:156 Resp: 169991

Ion Ratio Lower Upper

156 100

77 181.2 95.2 285.6

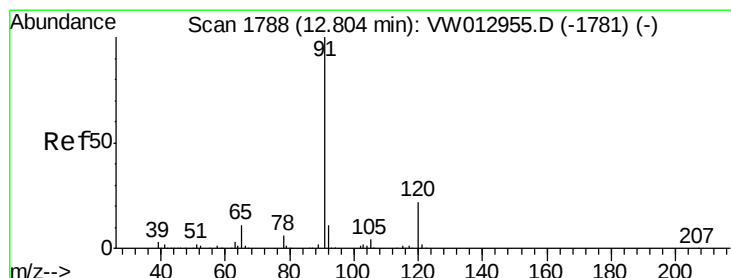
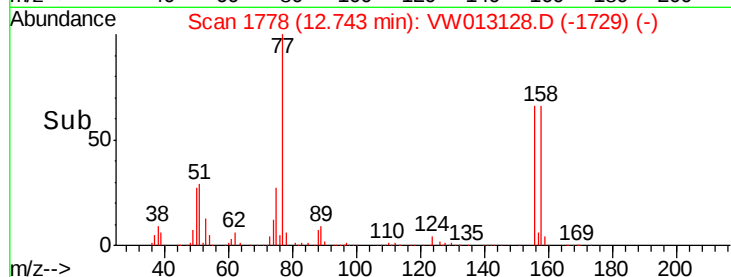
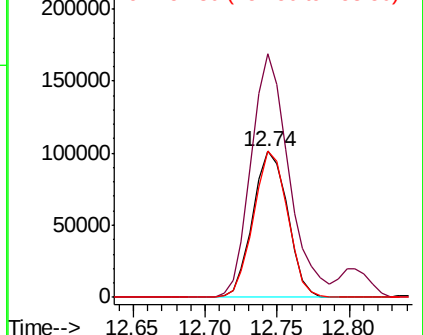
158 97.3 49.0 147.2



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: 44.492 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013128.D

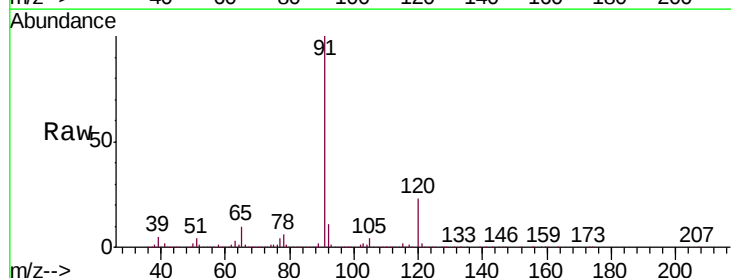
Acq: 18 Sep 2019 21:37

Tgt Ion: 91 Resp: 827064

Ion Ratio Lower Upper

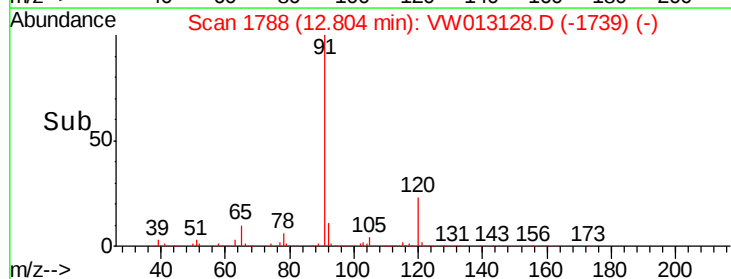
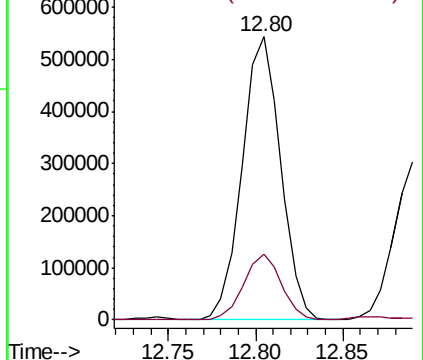
91 100

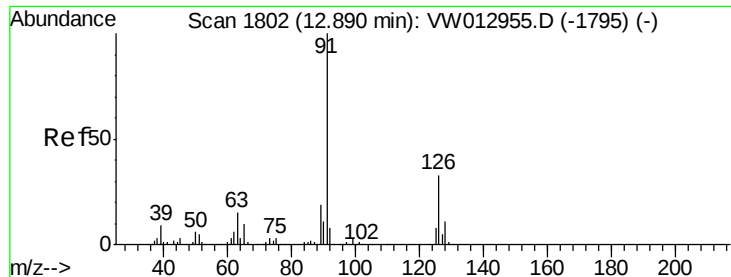
120 22.8 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

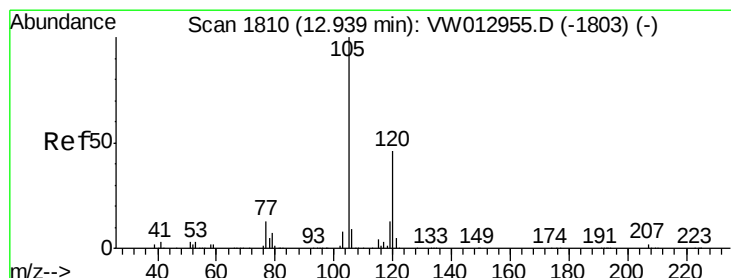
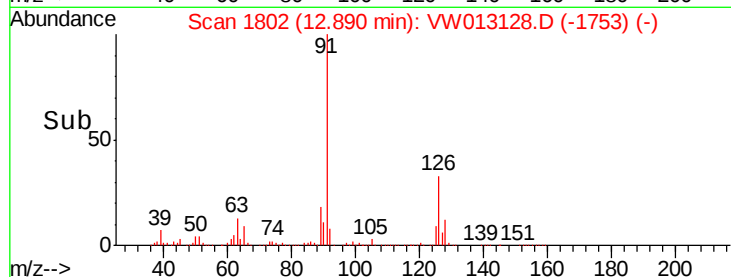
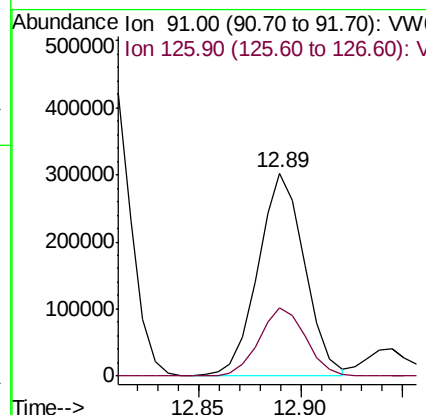
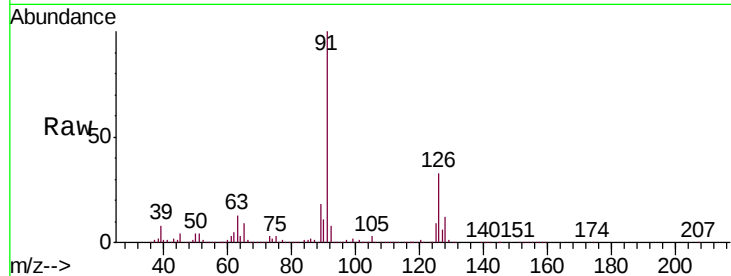




#79
 2-Chlorotoluene
 Concen: 44.641 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VW013128.D
 Acq: 18 Sep 2019 21:37

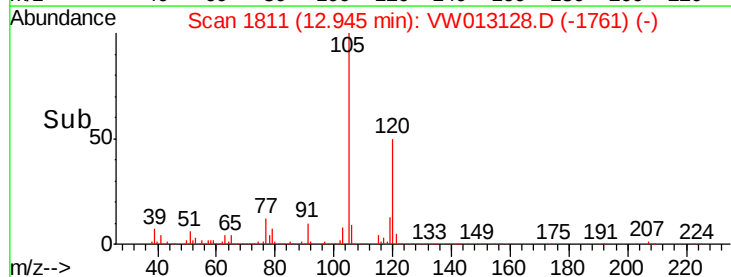
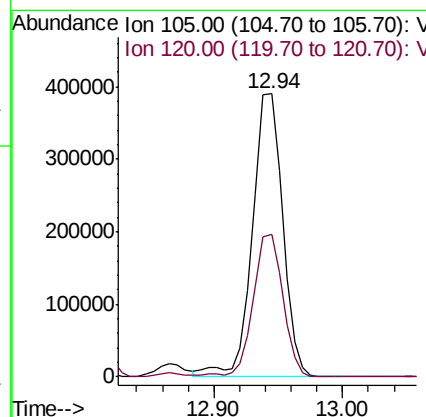
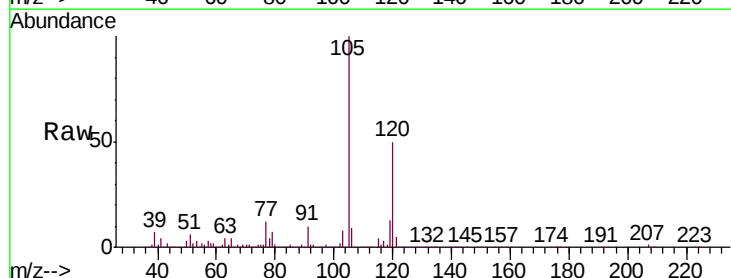
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

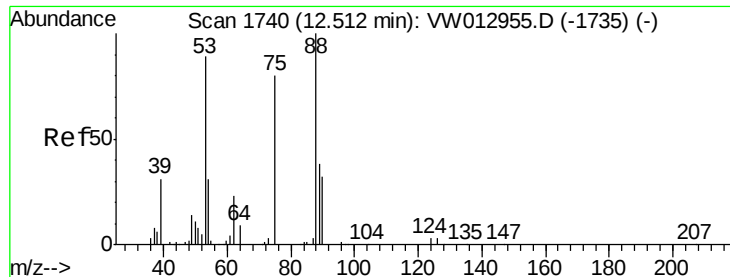
Tgt Ion: 91 Resp: 477031
 Ion Ratio Lower Upper
 91 100
 126 33.8 16.5 49.5



#80
 1,3,5-Trimethylbenzene
 Concen: 47.122 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.01 min
 Lab File: VW013128.D
 Acq: 18 Sep 2019 21:37

Tgt Ion: 105 Resp: 629983
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 42.552 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013128.D

Acq: 18 Sep 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

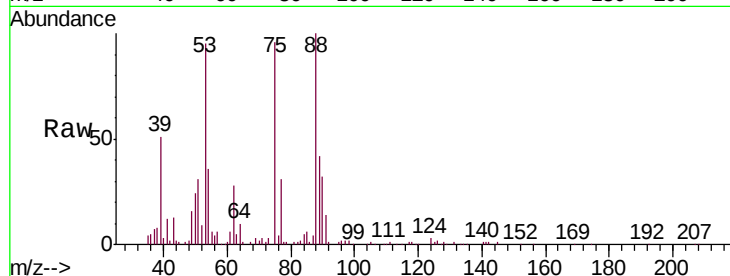
Tgt Ion: 75 Resp: 39173

Ion Ratio Lower Upper

75 100

53 96.2 85.6 128.4

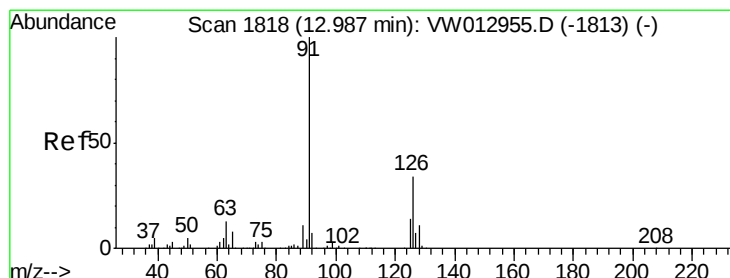
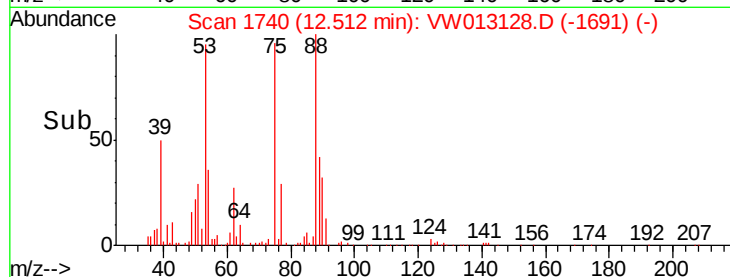
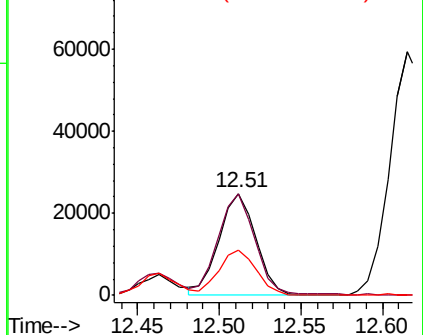
89 44.8 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 44.029 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW013128.D

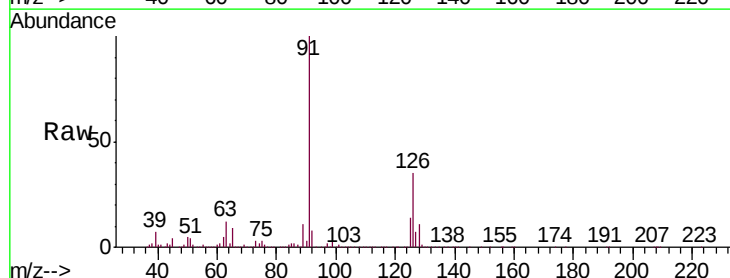
Acq: 18 Sep 2019 21:37

Tgt Ion: 91 Resp: 496424

Ion Ratio Lower Upper

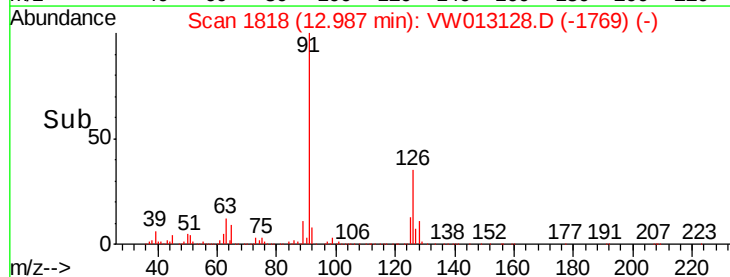
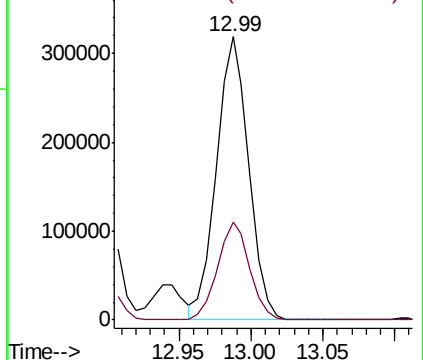
91 100

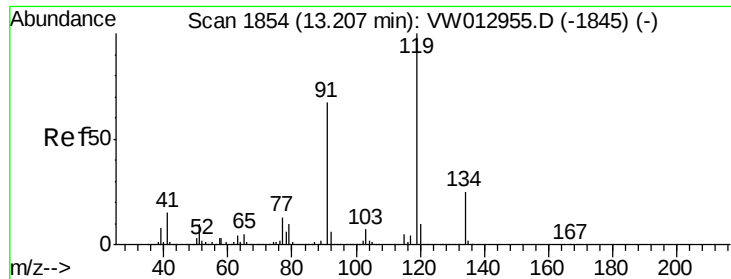
126 34.5 16.1 48.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): VW

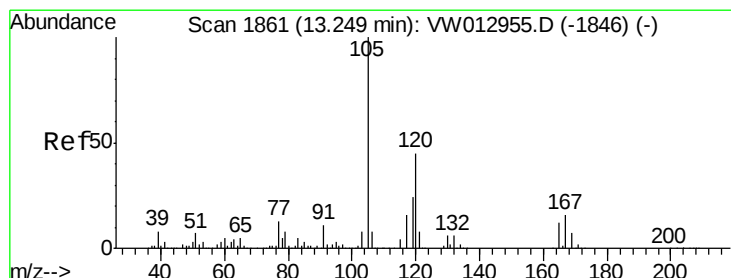
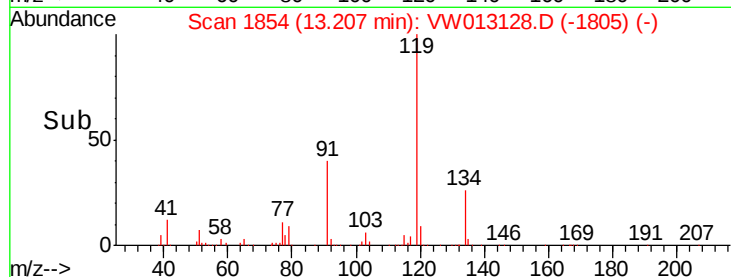
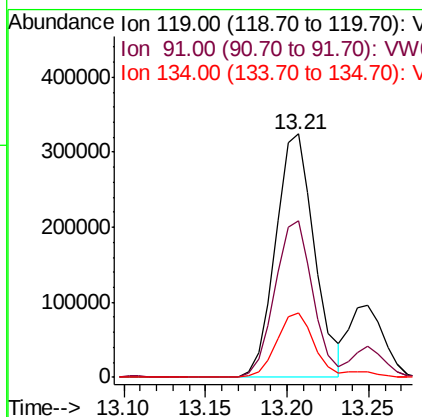
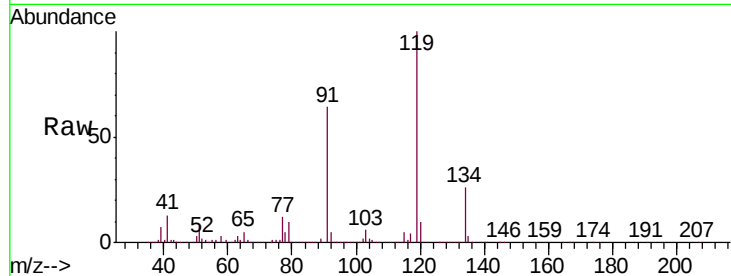




#83
 tert-Butylbenzene
 Concen: 44.968 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013128.D
 Acq: 18 Sep 2019 21:37

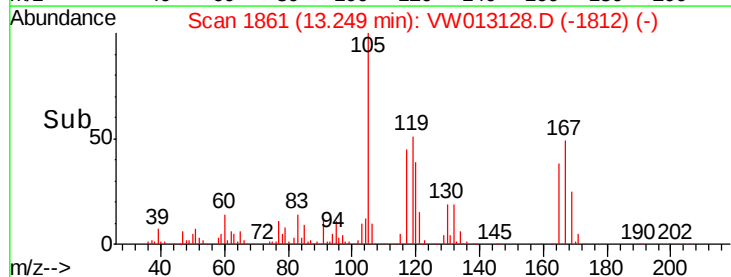
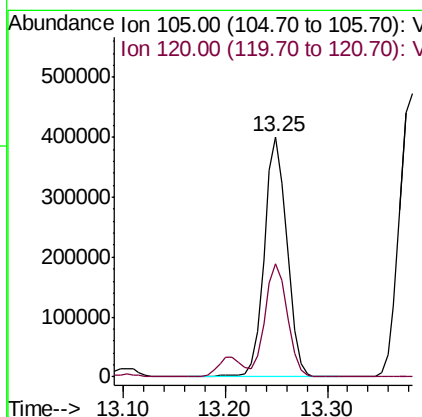
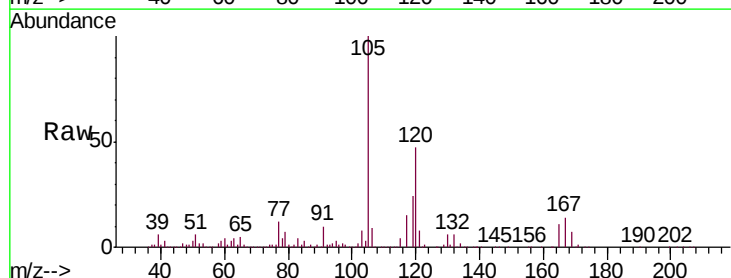
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

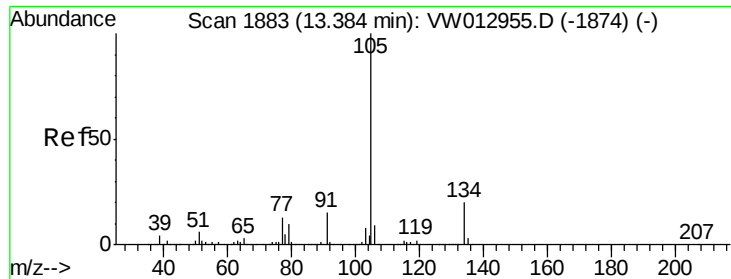
Tgt Ion:119 Resp: 537734
 Ion Ratio Lower Upper
 119 100
 91 62.6 32.6 98.0
 134 25.7 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 46.666 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013128.D
 Acq: 18 Sep 2019 21:37

Tgt Ion:105 Resp: 616506
 Ion Ratio Lower Upper
 105 100
 120 46.3 21.9 65.7

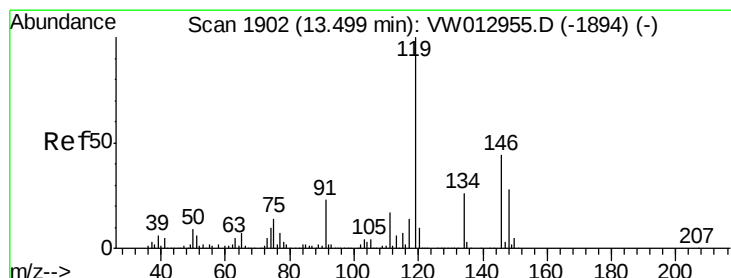
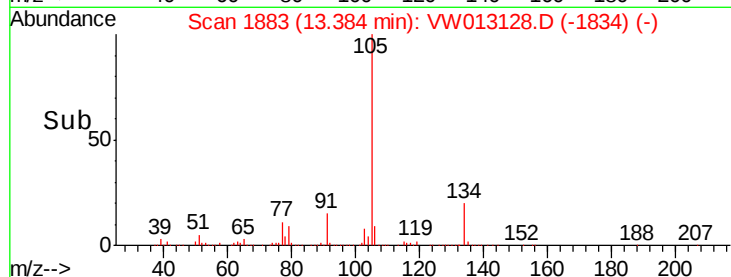
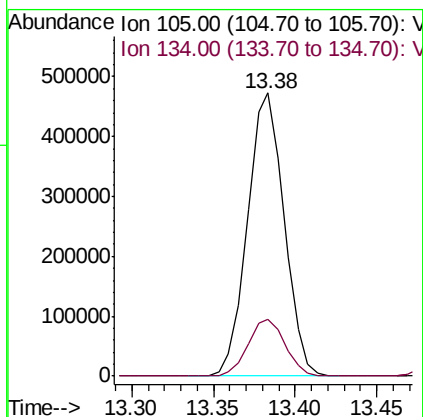
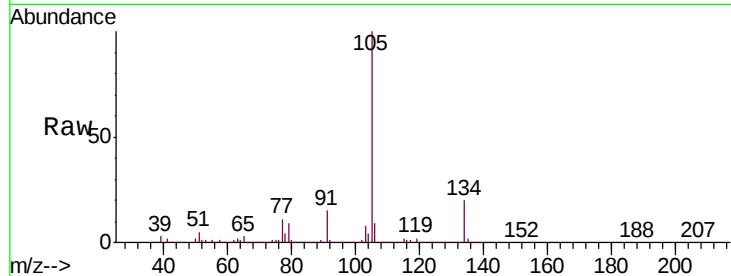




#85
 sec-Butylbenzene
 Concen: 45.323 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013128.D
 Acq: 18 Sep 2019 21:37

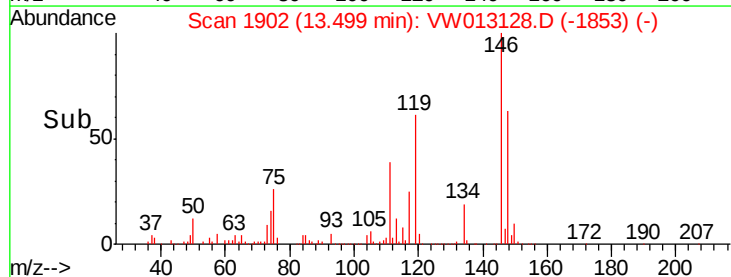
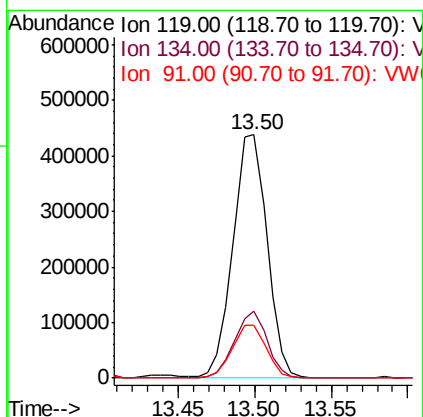
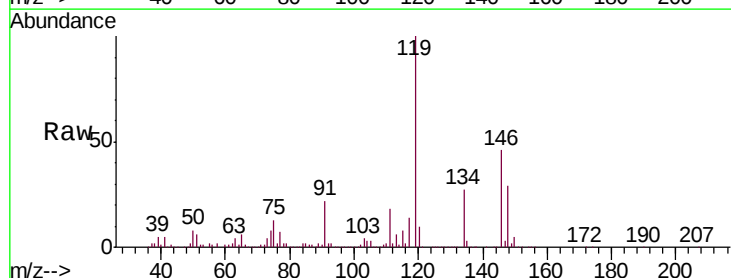
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

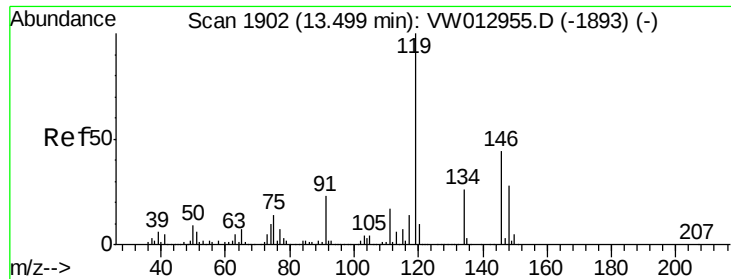
Tgt Ion:105 Resp: 738414
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 45.335 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013128.D
 Acq: 18 Sep 2019 21:37

Tgt Ion:119 Resp: 678141
 Ion Ratio Lower Upper
 119 100
 134 26.2 12.8 38.3
 91 21.5 11.8 35.4

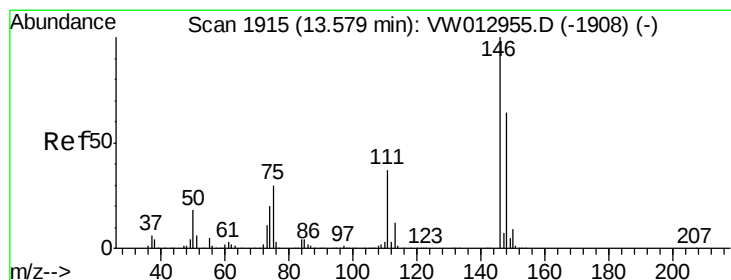
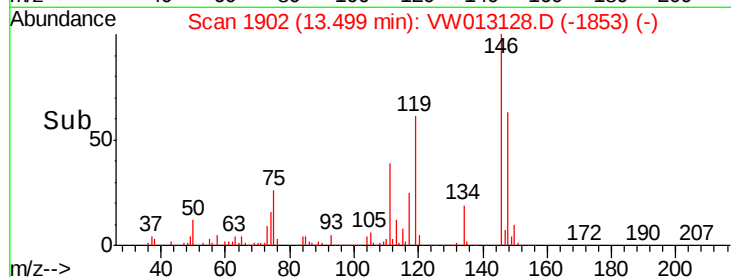
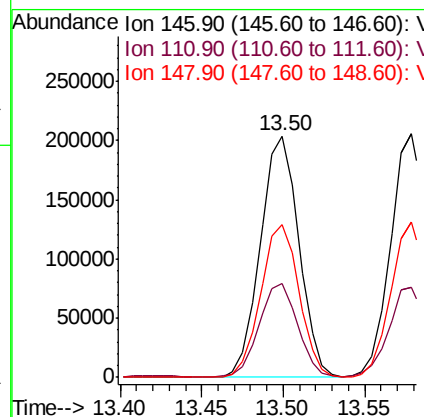
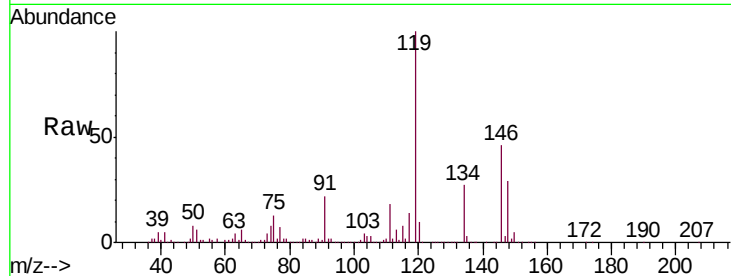




#87
 1,3-Dichlorobenzene
 Concen: 46.283 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013128.D
 Acq: 18 Sep 2019 21:37

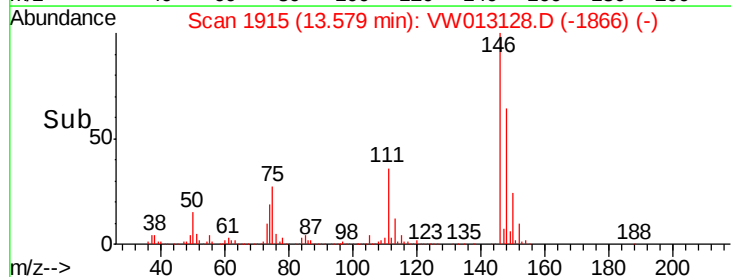
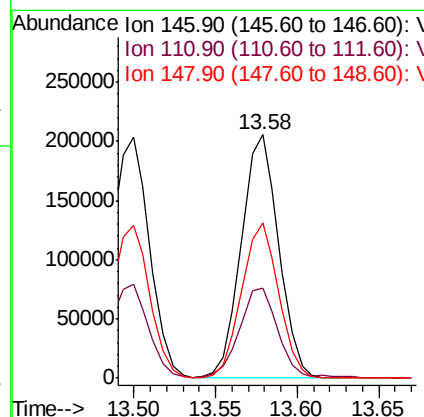
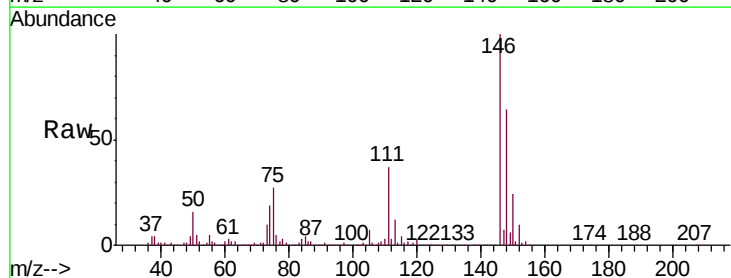
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

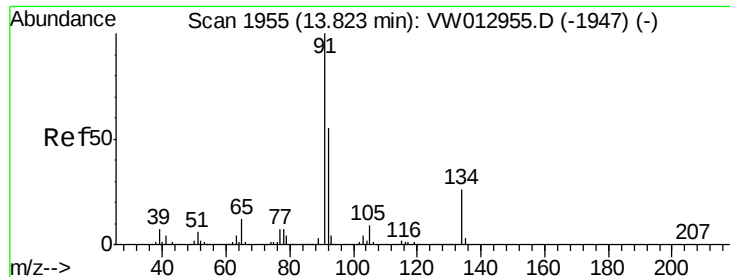
Tgt Ion:146 Resp: 333554
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.8 59.4
 148 63.1 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 46.272 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013128.D
 Acq: 18 Sep 2019 21:37

Tgt Ion:146 Resp: 327709
 Ion Ratio Lower Upper
 146 100
 111 37.8 19.4 58.2
 148 63.6 31.9 95.5





#89

n-Butylbenzene

Concen: 44.353 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013128.D

Acq: 18 Sep 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

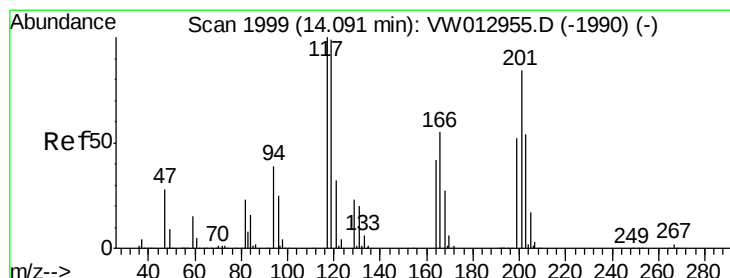
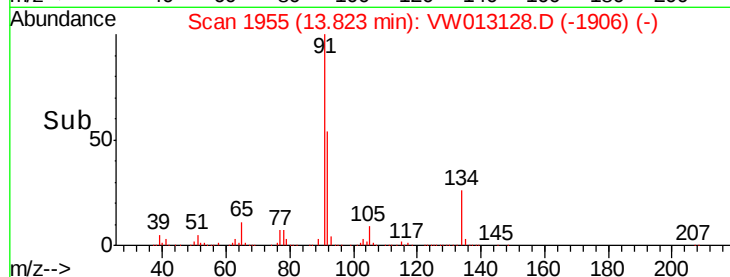
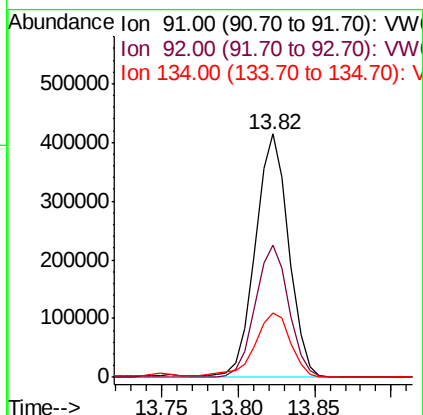
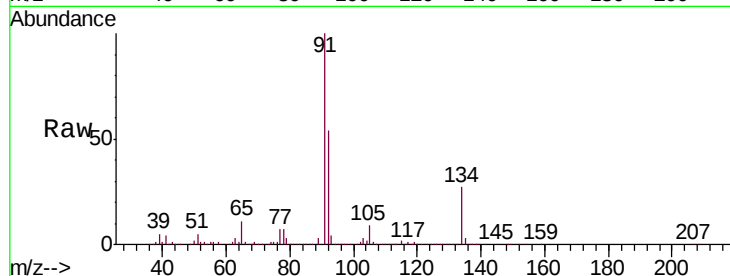
Tgt Ion: 91 Resp: 625684

Ion Ratio Lower Upper

91 100

92 54.7 27.2 81.5

134 29.1 13.1 39.1



#90

Hexachloroethane

Concen: 42.312 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013128.D

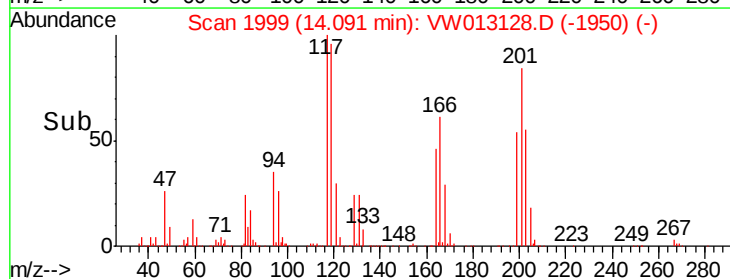
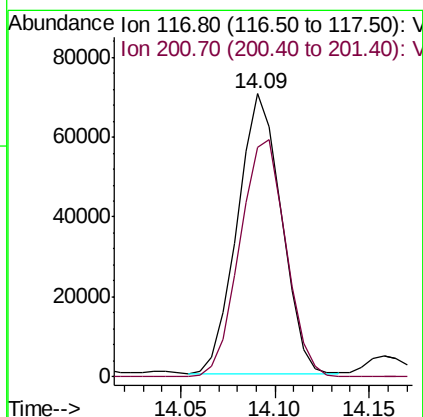
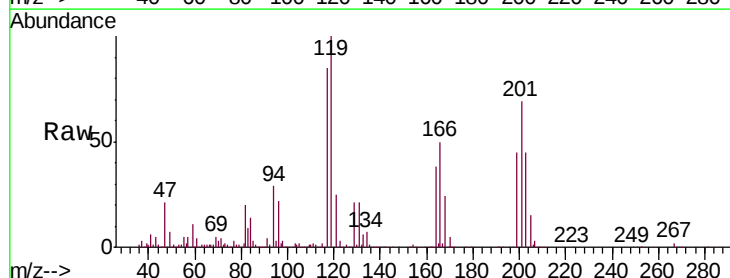
Acq: 18 Sep 2019 21:37

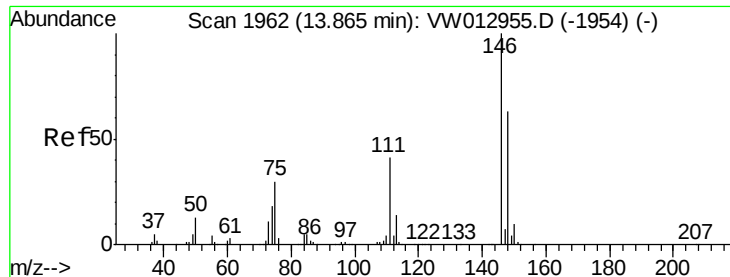
Tgt Ion: 117 Resp: 113422

Ion Ratio Lower Upper

117 100

201 88.6 45.3 135.9





#91

1,2-Dichlorobenzene

Concen: 46.639 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.01 min

Lab File: VW013128.D

Acq: 18 Sep 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

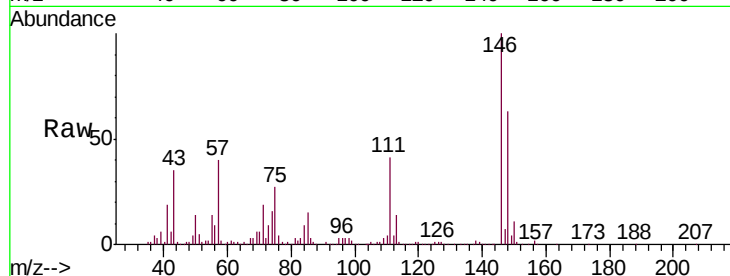
Tgt Ion:146 Resp: 295587

Ion Ratio Lower Upper

146 100

111 41.1 20.8 62.5

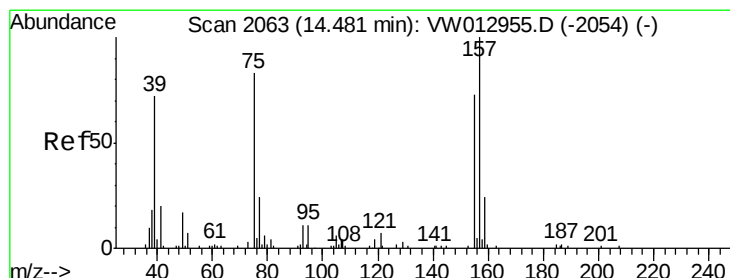
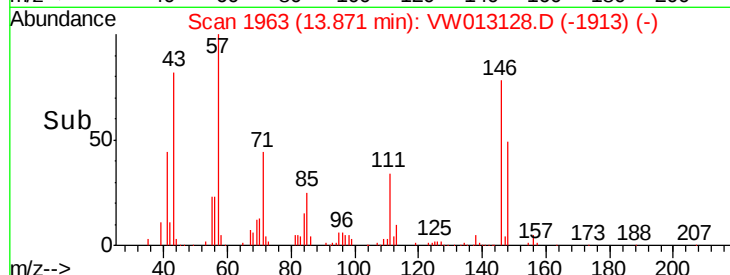
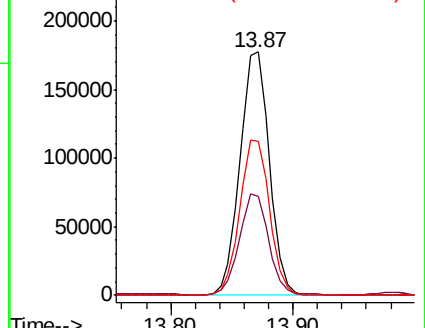
148 64.5 32.7 98.1



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 37.868 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.01 min

Lab File: VW013128.D

Acq: 18 Sep 2019 21:37

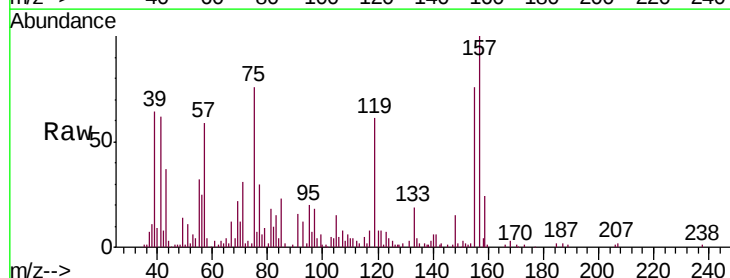
Tgt Ion: 75 Resp: 19239

Ion Ratio Lower Upper

75 100

155 98.4 43.3 129.9

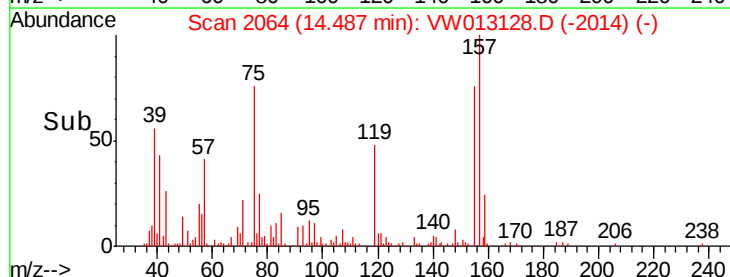
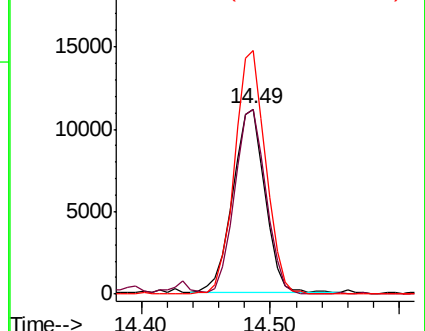
157 128.4 54.7 164.1

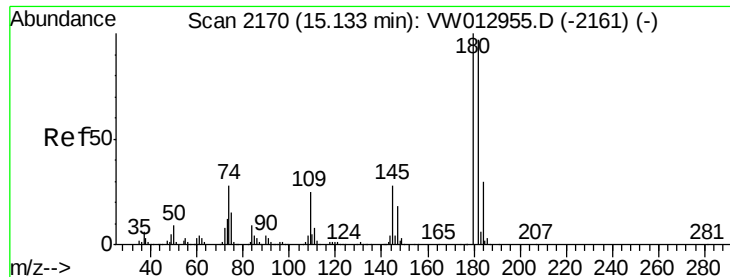


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

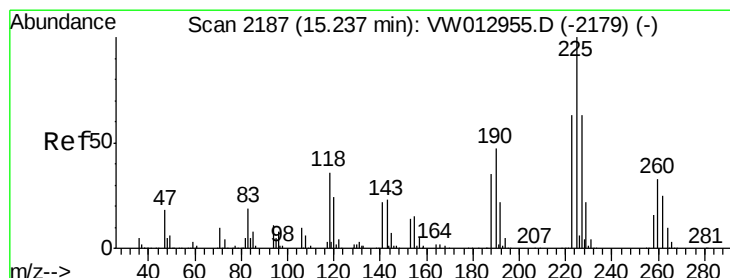
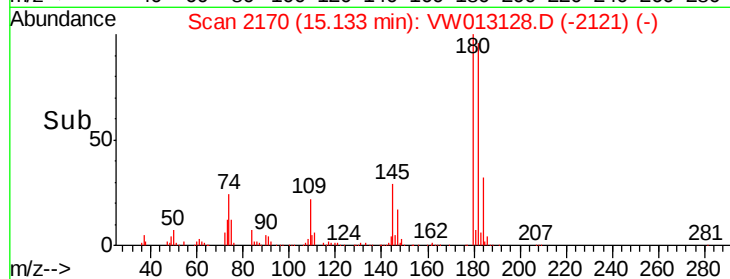
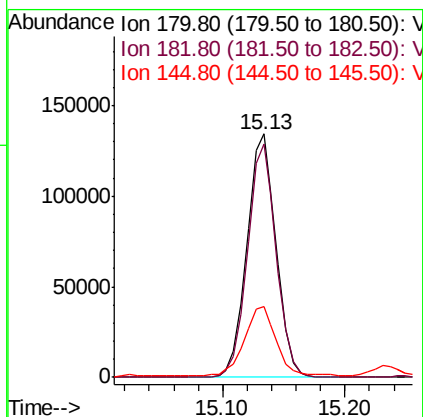
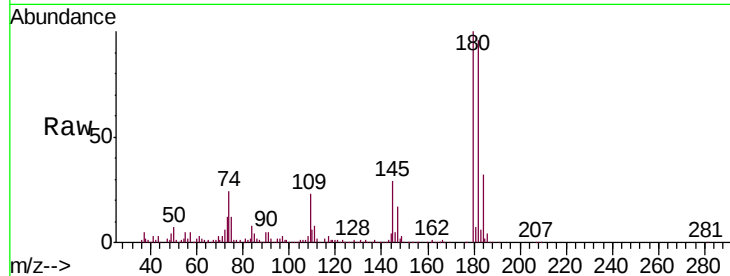




#93
 1,2,4-Trichlorobenzene
 Concen: 48.911 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013128.D
 Acq: 18 Sep 2019 21:37

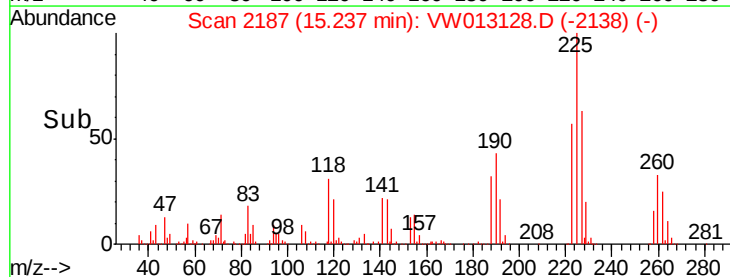
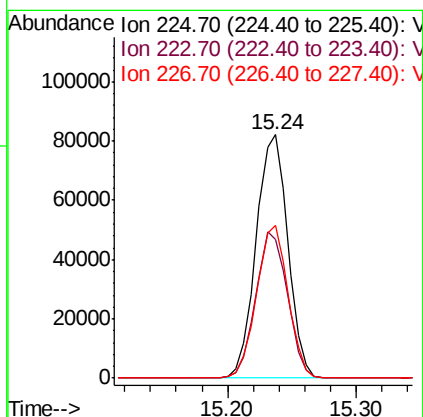
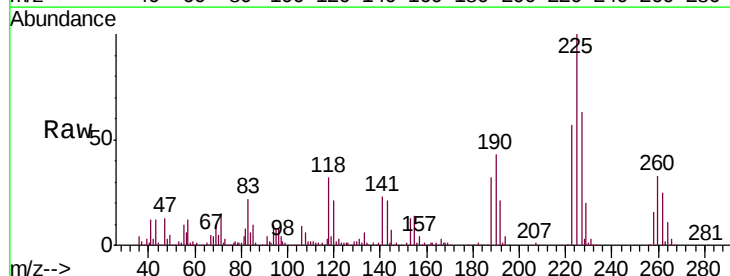
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

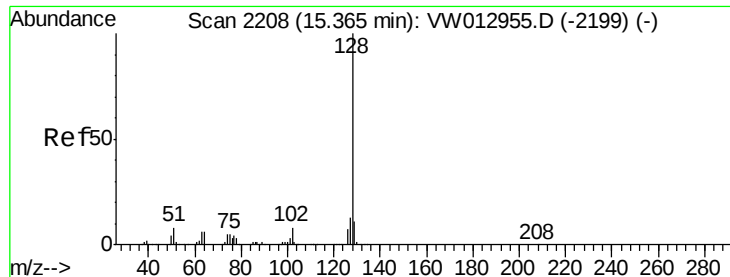
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.4	142.2
145	33.5	14.9	44.7



#94
 Hexachlorobutadiene
 Concen: 43.567 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013128.D
 Acq: 18 Sep 2019 21:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.3	31.8	95.3
227	62.2	31.3	93.8

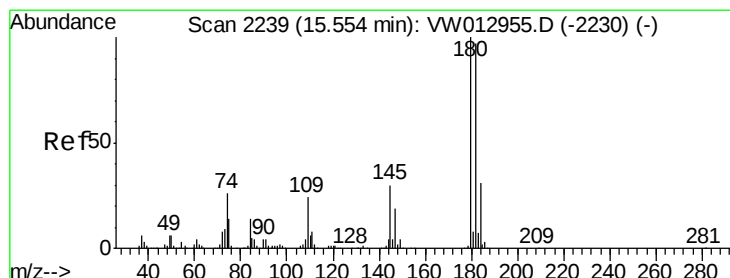
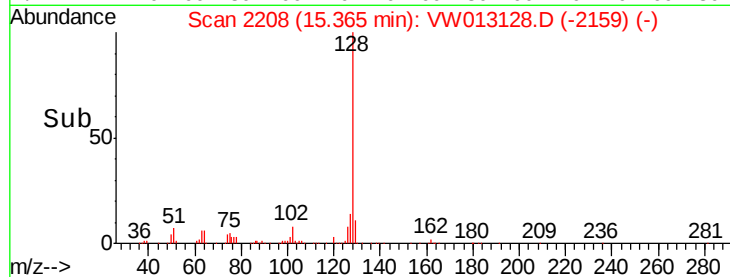
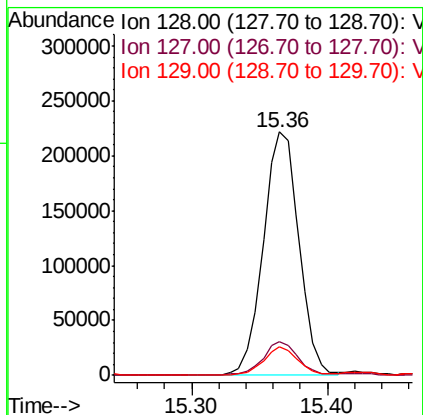
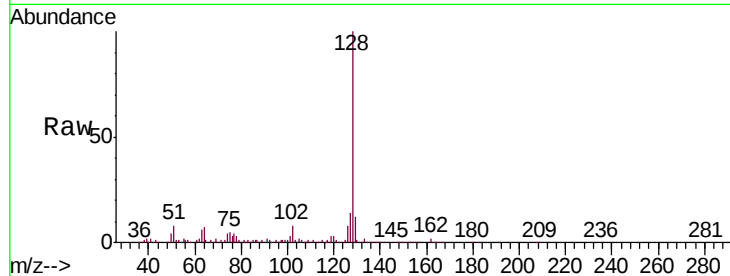




#95
Naphthalene
Concen: 53.706 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013128.D
Acq: 18 Sep 2019 21:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.6	11.0	16.6
129	11.3	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 49.258 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013128.D
Acq: 18 Sep 2019 21:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.6	142.8
145	37.7	15.4	46.2

