

Data File : VW013104.D
Acq On : 18 Sep 2019 10:55
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Quant Time: Sep 19 07:50:51 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	355524	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	518328	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	443996	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	223270	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	139282	42.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.84%	
35) Dibromofluoromethane	7.88	113	136014	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
50) Toluene-d8	10.32	98	554817	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
62) 4-Bromofluorobenzene	12.62	95	190912	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	64068	46.794	ug/l	96
3) Chloromethane	2.21	50	76509	44.153	ug/l	98
4) Vinyl Chloride	2.36	62	110145	43.284	ug/l	98
5) Bromomethane	2.78	94	67979	43.744	ug/l	99
6) Chloroethane	2.92	64	69978	44.837	ug/l	96
7) Trichlorofluoromethane	3.25	101	72827	40.925	ug/l	100
8) Diethyl Ether	3.68	74	66621	47.946	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.07	101	129921	48.137	ug/l	99
10) Methyl Iodide	4.27	142	174035	51.524	ug/l	95
11) Tert butyl alcohol	5.20	59	44857	197.914	ug/l #	93
12) 1,1-Dichloroethene	4.04	96	120996	49.305	ug/l	96
13) Acrolein	3.89	56	51854	213.188	ug/l	99
14) Allyl chloride	4.66	41	214716	46.088	ug/l	92
15) Acrylonitrile	5.37	53	163563	230.474	ug/l	99
16) Acetone	4.14	43	154545	214.103	ug/l	99
17) Carbon Disulfide	4.38	76	218341	44.646	ug/l	99
18) Methyl Acetate	4.67	43	76027	40.641	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	226863	46.832	ug/l	97
20) Methylene Chloride	4.92	84	138236	52.355	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	130945	49.820	ug/l	98
22) Diisopropyl ether	6.31	45	466655	48.216	ug/l	96
23) Vinyl Acetate	6.25	43	1336379	230.539	ug/l	96
24) 1,1-Dichloroethane	6.21	63	263055	47.141	ug/l	97
25) 2-Butanone	7.17	43	217068	207.903	ug/l	95
26) 2,2-Dichloropropane	7.16	77	166737	46.805	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	158199	50.274	ug/l	93
28) Bromochloromethane	7.51	49	113685	48.403	ug/l	92
29) Tetrahydrofuran	7.53	42	132578	222.858	ug/l	97
30) Chloroform	7.67	83	264996	46.737	ug/l	97
31) Cyclohexane	7.95	56	207915	49.601	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	210081	44.992	ug/l	97
36) 1,1-Dichloropropene	8.08	75	191820	46.312	ug/l	97
37) Ethyl Acetate	7.25	43	93706	42.623	ug/l	96
38) Carbon Tetrachloride	8.06	117	186978	44.052	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	221268	48.752	ug/l	95
40) Benzene	8.32	78	568048	49.127	ug/l	99
41) Methacrylonitrile	7.48	41	56359	38.928	ug/l	92
42) 1,2-Dichloroethane	8.40	62	161187	41.585	ug/l	94
43) Isopropyl Acetate	8.42	43	181492	42.996	ug/l	96
44) Trichloroethene	9.09	130	156741	49.490	ug/l	89
45) 1,2-Dichloropropane	9.37	63	150790	49.084	ug/l	99
46) Dibromomethane	9.46	93	71976	48.903	ug/l	98
47) Bromodichloromethane	9.64	83	197191	47.764	ug/l	96
48) Methyl methacrylate	9.43	41	84309	42.558	ug/l	90
49) 1,4-Dioxane	9.46	88	20021	811.811	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	469664	215.514	ug/l	95
52) Toluene	10.38	92	370684	50.451	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	197127	47.477	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	232780	48.999	ug/l	92
55) 1,1,2-Trichloroethane	10.79	97	113182	50.479	ug/l	99
56) Ethyl methacrylate	10.65	69	149216	49.442	ug/l	89
57) 1,3-Dichloropropane	10.93	76	195135	49.061	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	403885	249.474	ug/l	98
59) 2-Hexanone	10.97	43	330979	218.115	ug/l	96
60) Dibromochloromethane	11.13	129	130951	48.308	ug/l	95
61) 1,2-Dibromoethane	11.23	107	99520	48.656	ug/l	99
64) Tetrachloroethene	10.86	164	132003	49.976	ug/l	96
65) Chlorobenzene	11.66	112	400750	50.673	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	149620	49.368	ug/l	98
67) Ethyl Benzene	11.73	91	737200	50.472	ug/l	98
68) m/p-Xylenes	11.84	106	553681	103.766	ug/l	95
69) o-Xylene	12.16	106	262665	52.507	ug/l	94
70) Styrene	12.18	104	463036	52.033	ug/l	97
71) Bromoform	12.35	173	78656	49.409	ug/l #	99
73) Isopropylbenzene	12.46	105	738375	49.894	ug/l	99
74) N-amyl acetate	12.27	43	172210	45.236	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	127521	49.061	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	162114	82.894	ug/l #	100
77) Bromobenzene	12.74	156	173172	50.794	ug/l	95
78) n-propylbenzene	12.80	91	872647	50.129	ug/l	98
79) 2-Chlorotoluene	12.89	91	490955	49.061	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	625757	49.981	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	42032	48.755	ug/l	93
82) 4-Chlorotoluene	12.99	91	516318	48.900	ug/l	96
83) tert-Butylbenzene	13.21	119	563865	50.351	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	622717	50.334	ug/l	97
85) sec-Butylbenzene	13.38	105	779172	51.068	ug/l	100
86) p-Isopropyltoluene	13.50	119	709927	50.680	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	343216	50.854	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	338326	51.012	ug/l	98
89) n-Butylbenzene	13.82	91	660890	50.026	ug/l	99
90) Hexachloroethane	14.09	117	123057	49.021	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	303784	51.184	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19913	41.854	ug/l	92

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	223111	52.711	ug/l	99
94) Hexachlorobutadiene	15.24	225	141783	47.317	ug/l	97
95) Naphthalene	15.36	128	369039	52.180	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	190337	50.870	ug/l	100

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

Data File : VW013104.D

Acq On : 18 Sep 2019 10:55

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ALS Vial      : 2      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

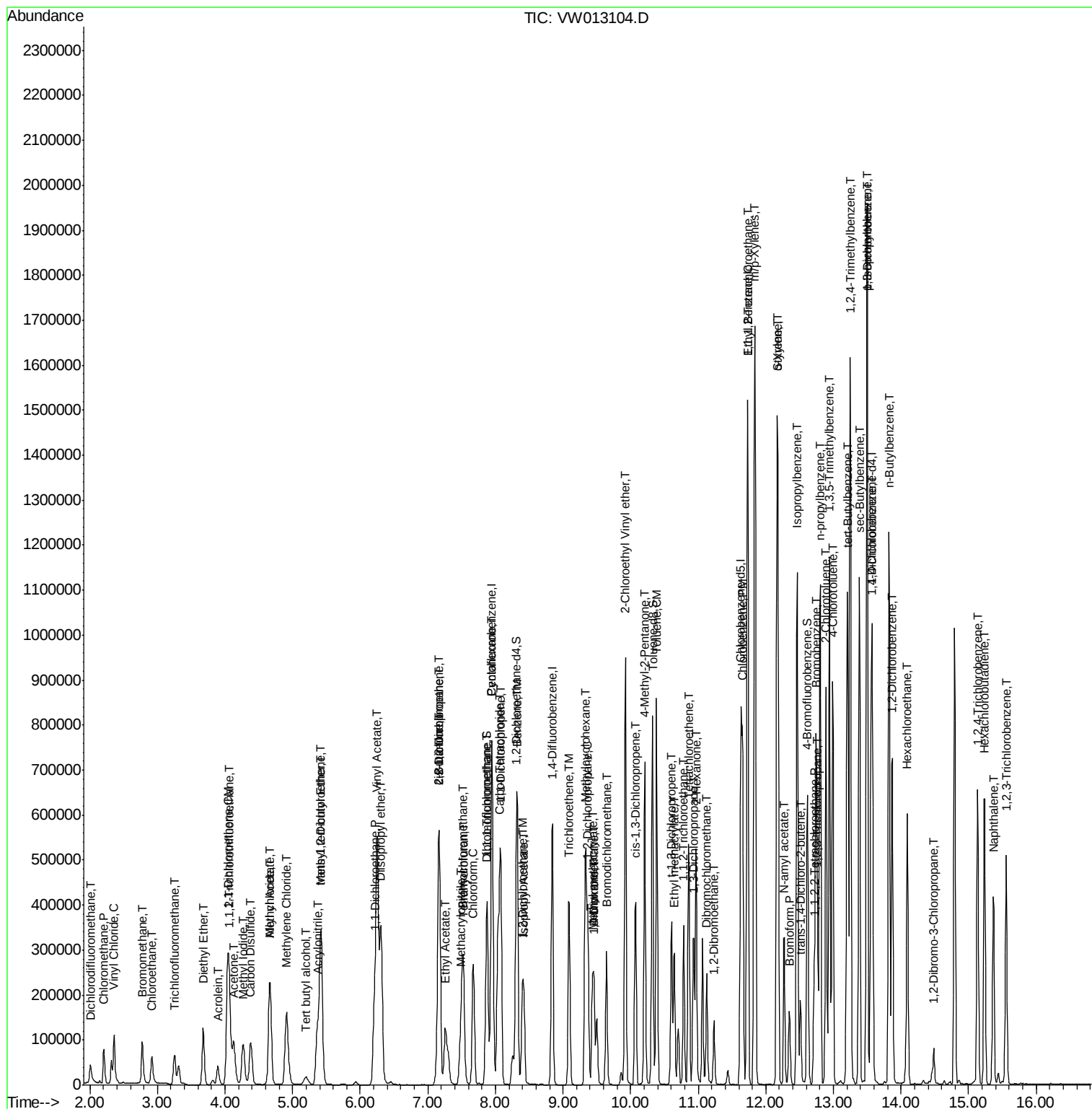
Quant Time: Sep 19 07:50:51 2019

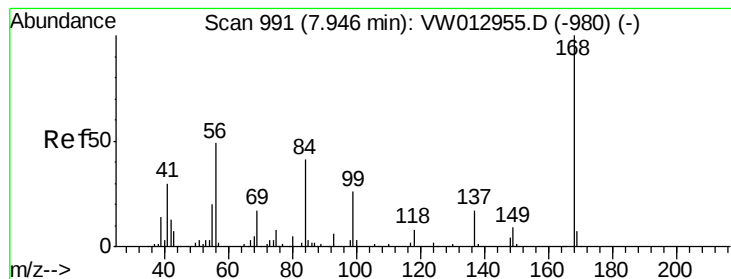
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA W\METHOD\82W091419S.M

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QLast Update : Fri Sep 13 17:26:01 2019

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

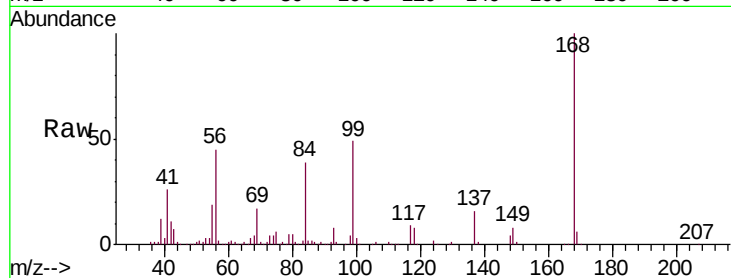
VSTDCCC050

Tgt Ion:168 Resp: 355524

Ion Ratio Lower Upper

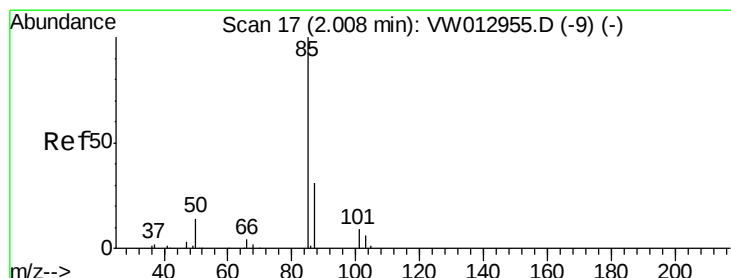
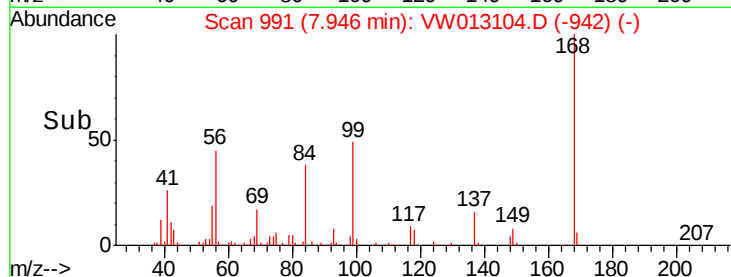
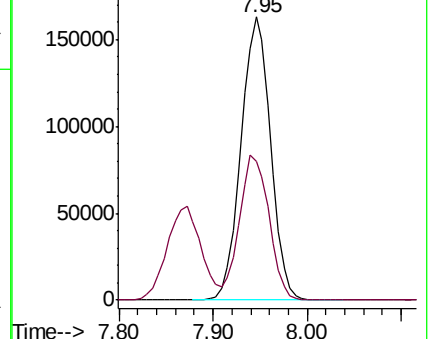
168 100

99 49.2 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 46.794 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013104.D

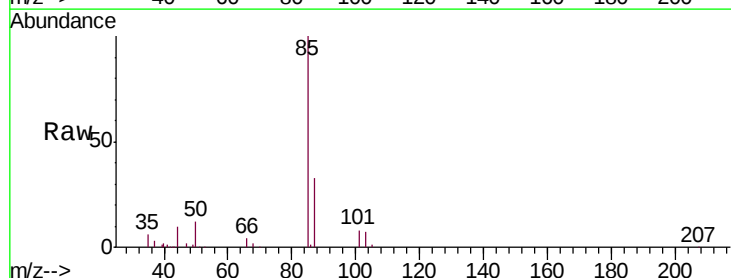
Acq: 18 Sep 2019 10:55

Tgt Ion: 85 Resp: 64068

Ion Ratio Lower Upper

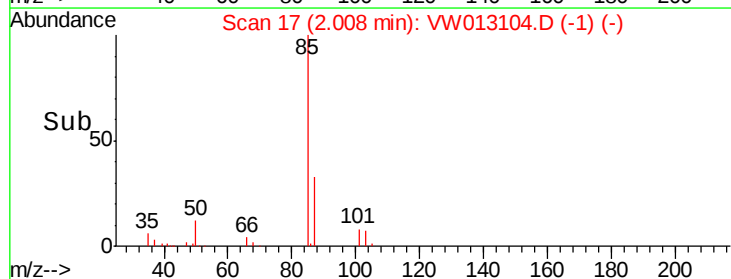
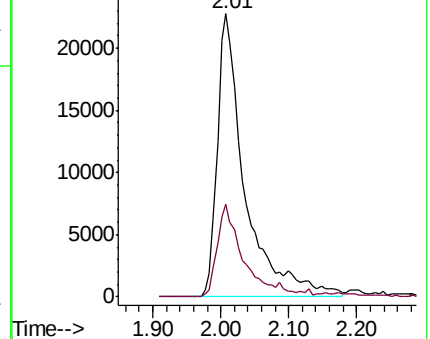
85 100

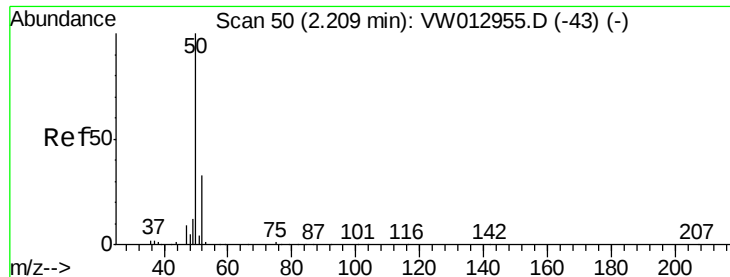
87 32.9 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 44.153 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

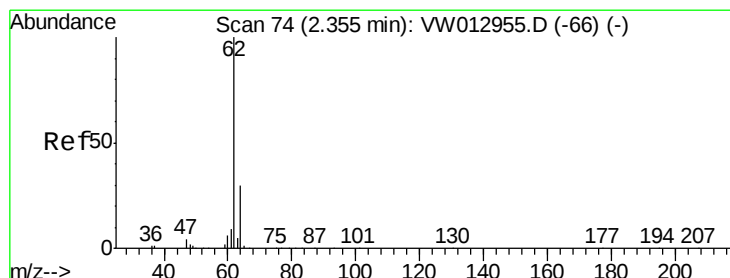
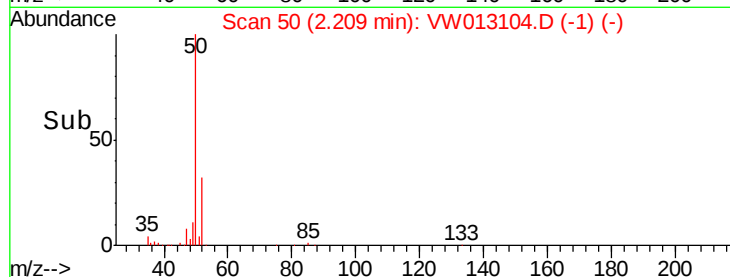
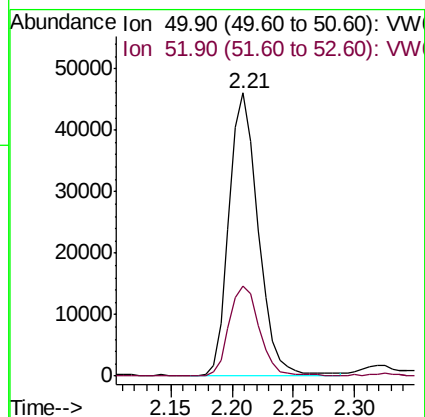
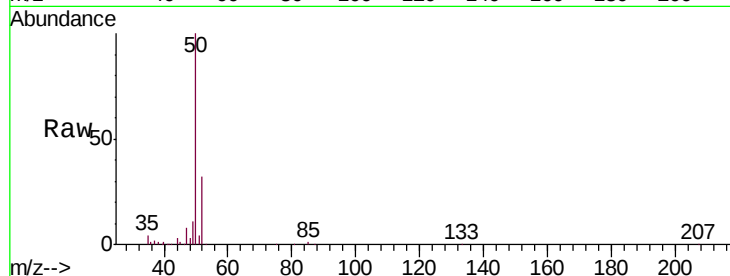
VSTDCCC050

Tgt Ion: 50 Resp: 76509

Ion Ratio Lower Upper

50 100

52 31.9 26.6 39.8



#4

Vinyl Chloride

Concen: 43.284 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW013104.D

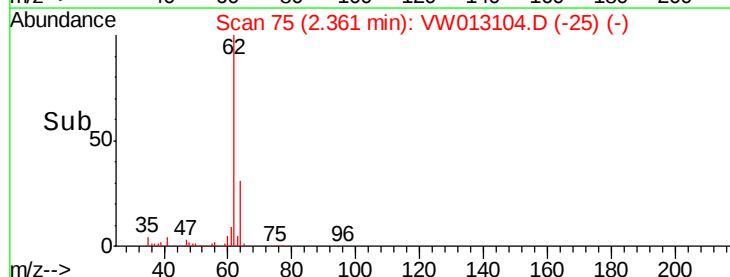
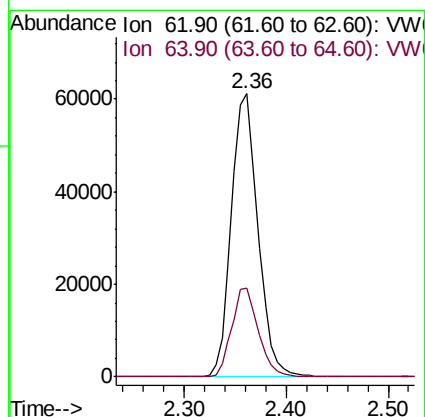
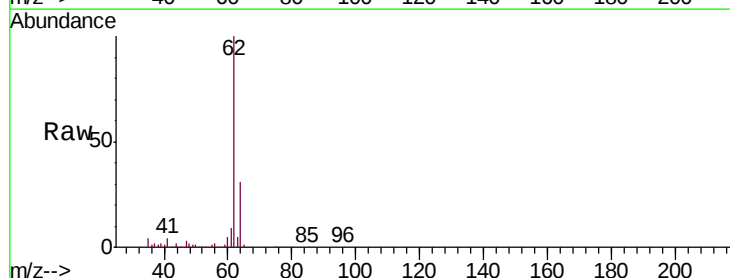
Acq: 18 Sep 2019 10:55

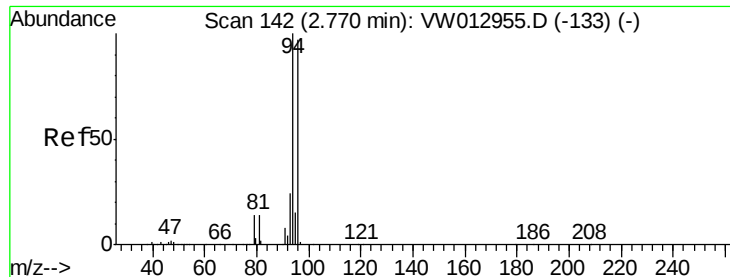
Tgt Ion: 62 Resp: 110145

Ion Ratio Lower Upper

62 100

64 31.3 24.2 36.4





#5

Bromomethane

Concen: 43.744 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

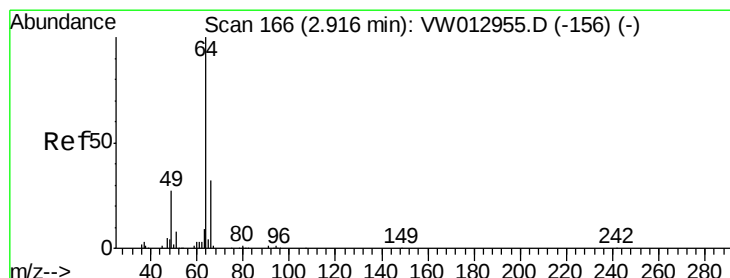
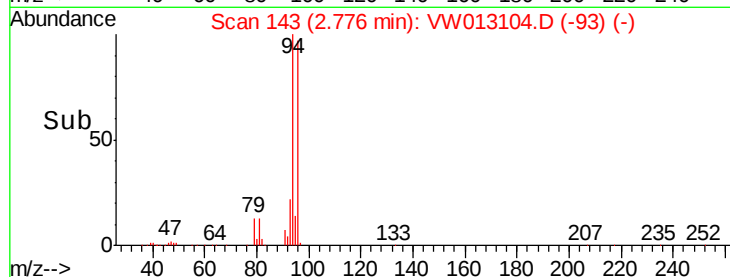
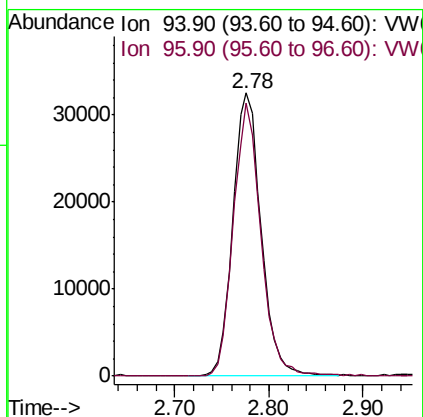
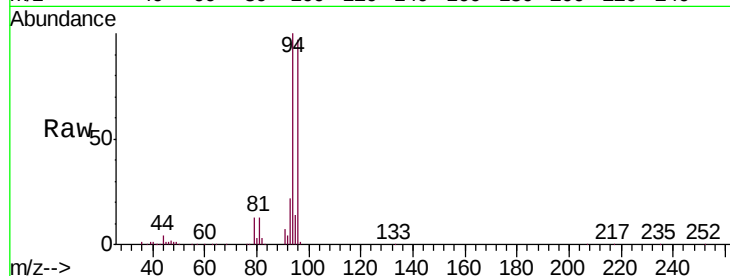
VSTDCCC050

Tgt Ion: 94 Resp: 67979

Ion Ratio Lower Upper

94 100

96 96.5 77.8 116.6



#6

Chloroethane

Concen: 44.837 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW013104.D

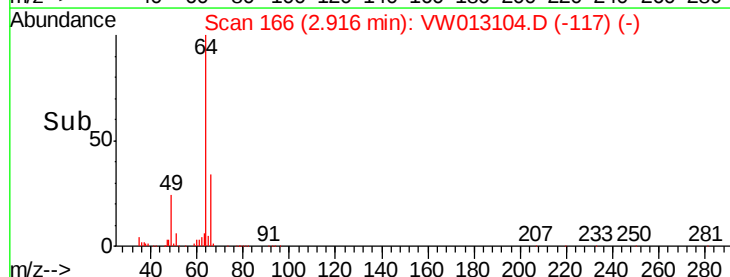
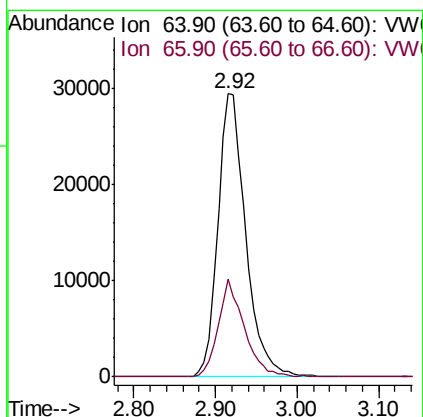
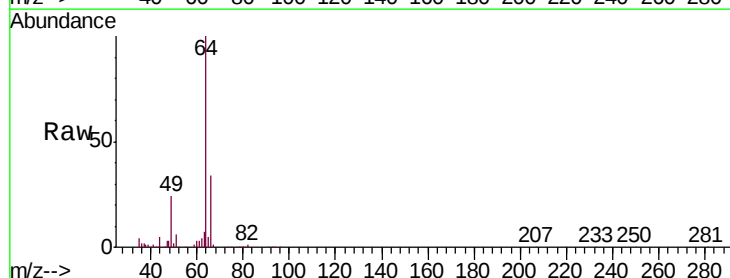
Acq: 18 Sep 2019 10:55

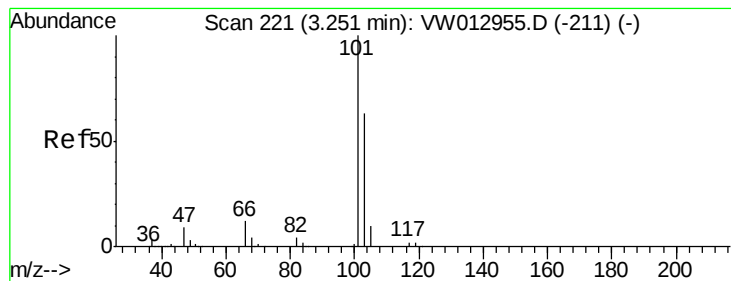
Tgt Ion: 64 Resp: 69978

Ion Ratio Lower Upper

64 100

66 34.4 25.9 38.9



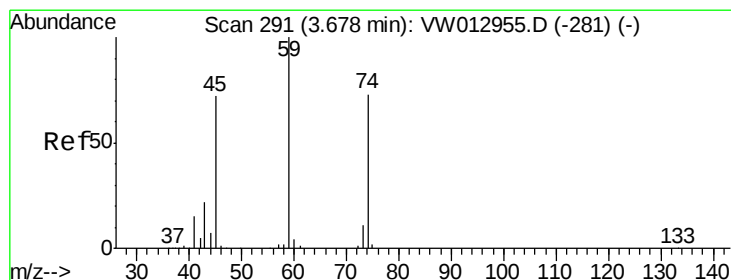
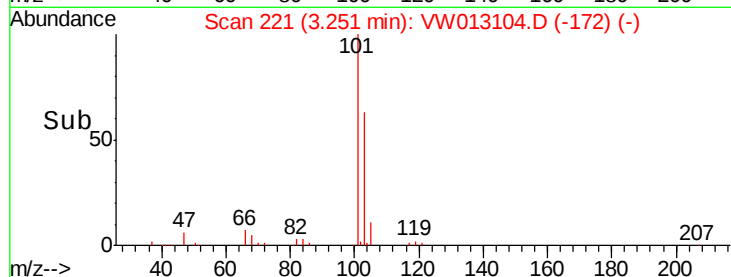
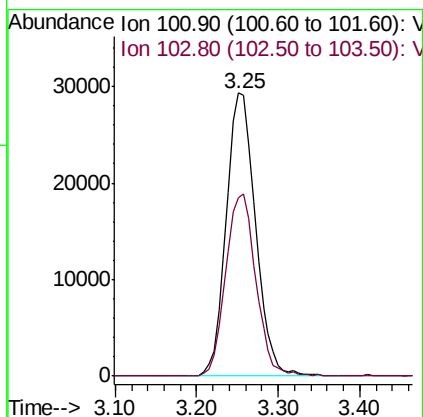
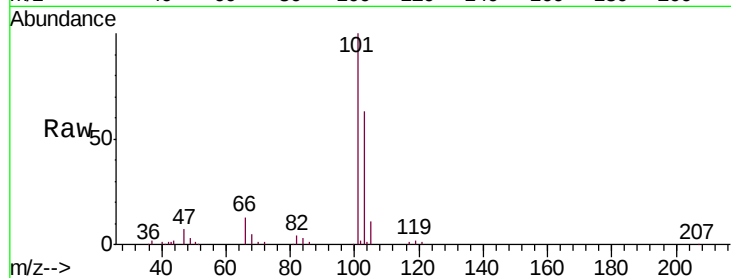


#7

Trichlorofluoromethane
 Concen: 40.925 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VW013104.D
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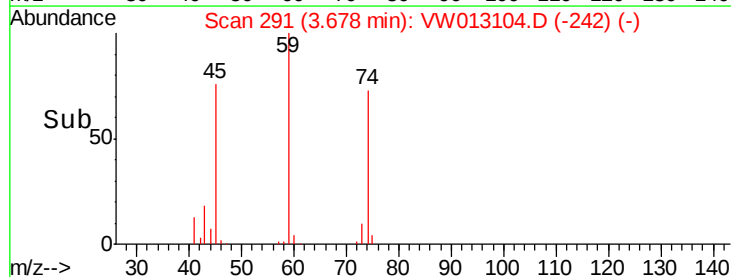
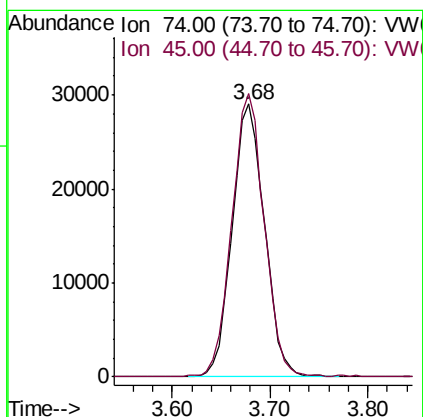
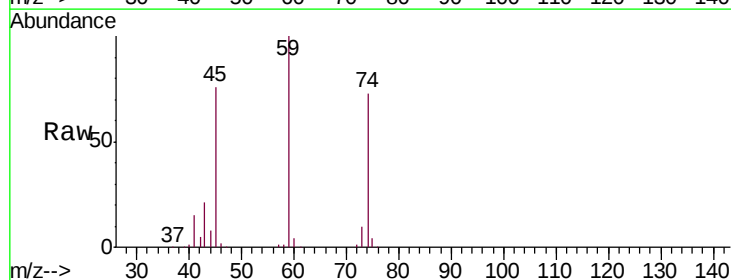
Tgt Ion:101 Resp: 72827
 Ion Ratio Lower Upper
 101 100
 103 63.2 50.7 76.1

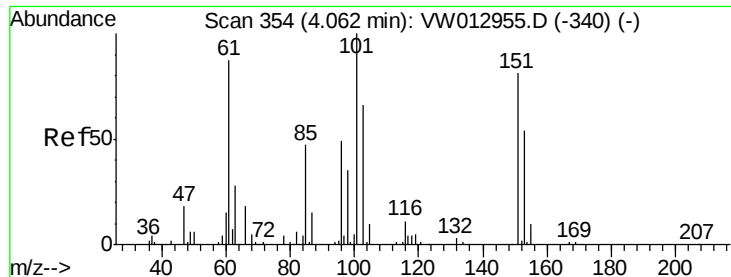


#8

Diethyl Ether
 Concen: 47.946 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW013104.D
 Acq: 18 Sep 2019 10:55

Tgt Ion: 74 Resp: 66621
 Ion Ratio Lower Upper
 74 100
 45 104.3 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.137 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Instrument :

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VSTDCCC050

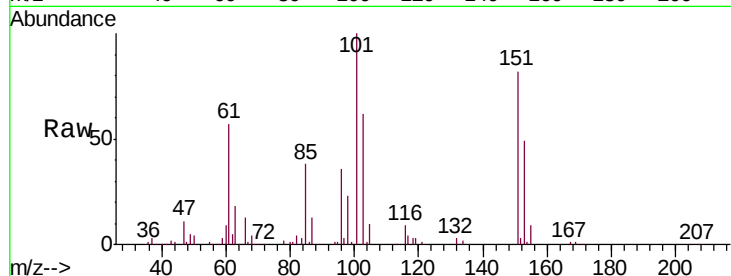
Tgt Ion:101 Resp: 129921

Ion Ratio Lower Upper

101 100

85 42.5 34.9 52.3

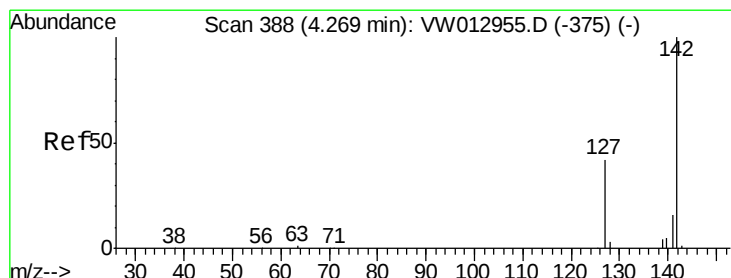
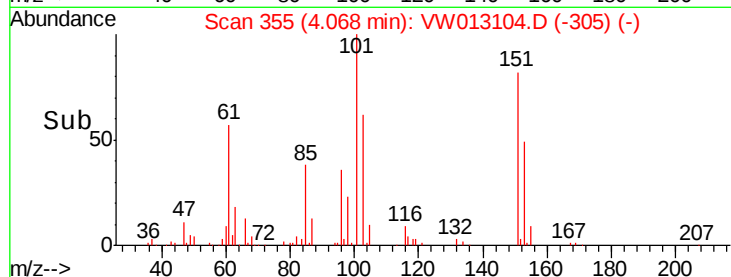
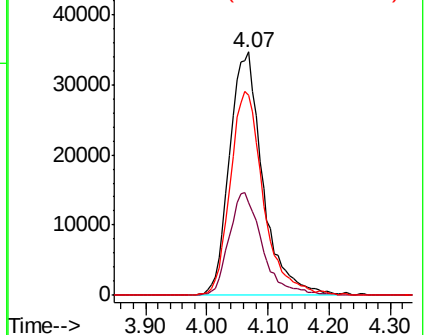
151 82.9 66.0 99.0



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: 51.524 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

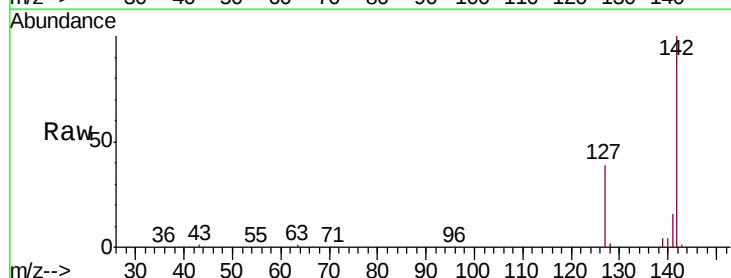
Tgt Ion:142 Resp: 174035

Ion Ratio Lower Upper

142 100

127 39.5 34.7 52.1

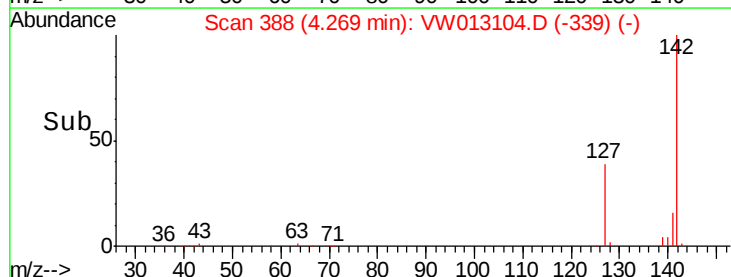
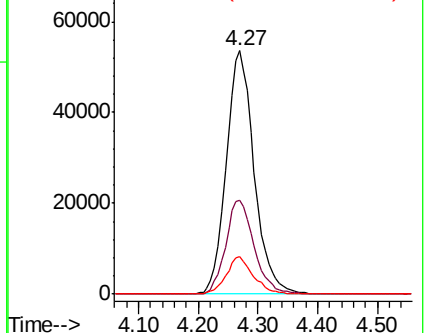
141 14.9 12.2 18.2

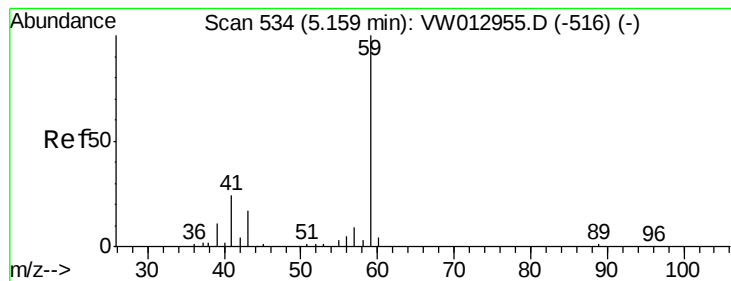


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



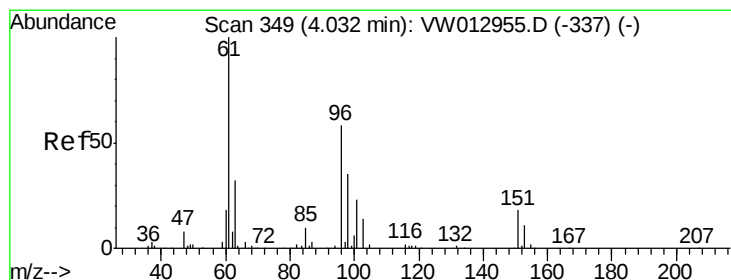
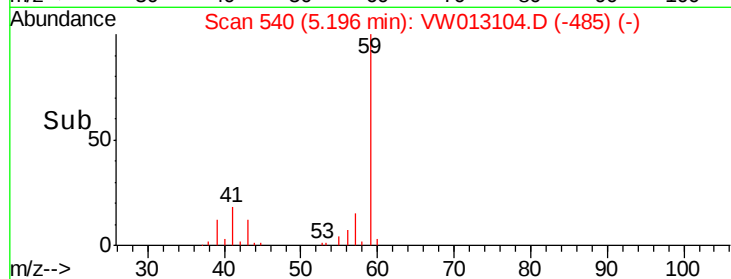
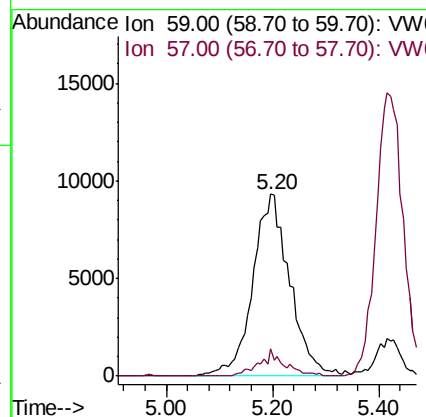
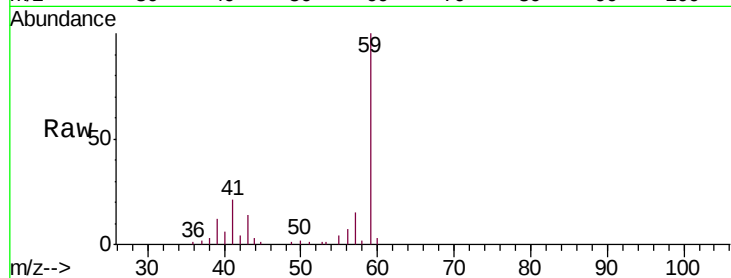


#11

Tert butyl alcohol
 Concen: 197.914 ug/l
 RT: 5.20 min Scan# 540
 Delta R.T. 0.04 min
 Lab File: VW013104.D
 Acq: 18 Sep 2019 10:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

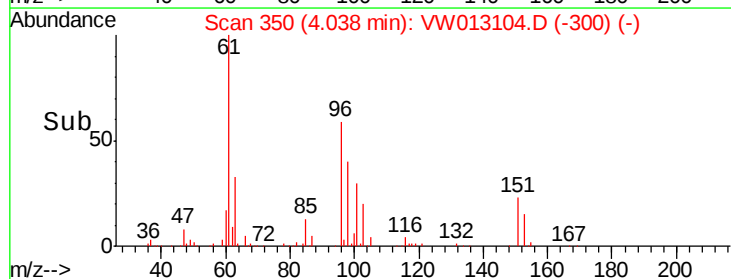
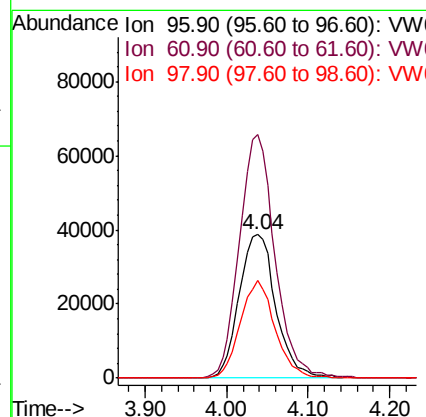
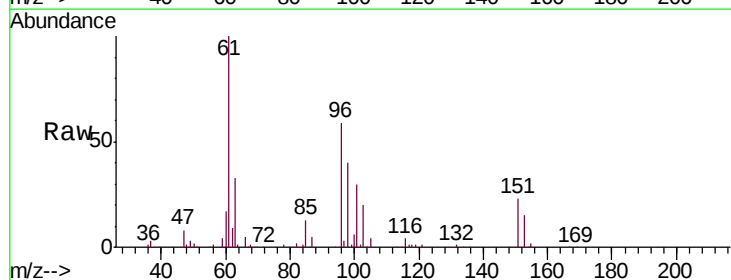
Tgt Ion: 59 Resp: 44857
 Ion Ratio Lower Upper
 59 100
 57 7.8 8.5 12.7#

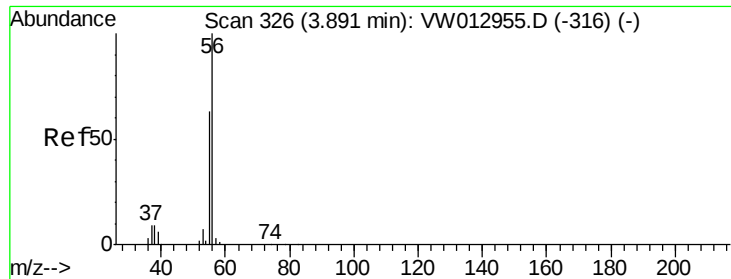


#12

1,1-Dichloroethene
 Concen: 49.305 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.01 min
 Lab File: VW013104.D
 Acq: 18 Sep 2019 10:55

Tgt Ion: 96 Resp: 120996
 Ion Ratio Lower Upper
 96 100
 61 169.5 137.9 206.9
 98 68.1 48.9 73.3





#13

Acrolein

Concen: 213.188 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

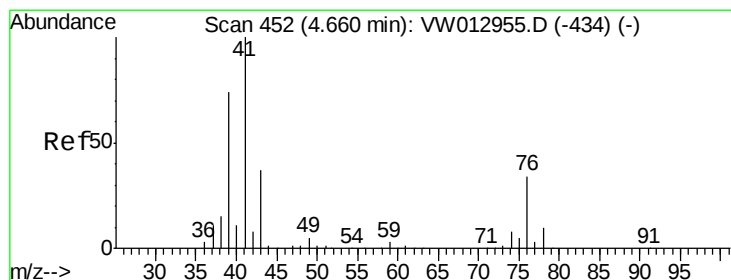
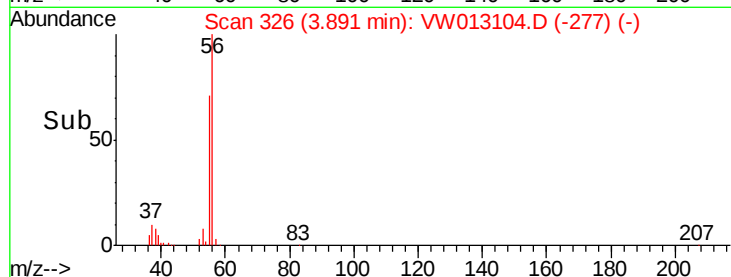
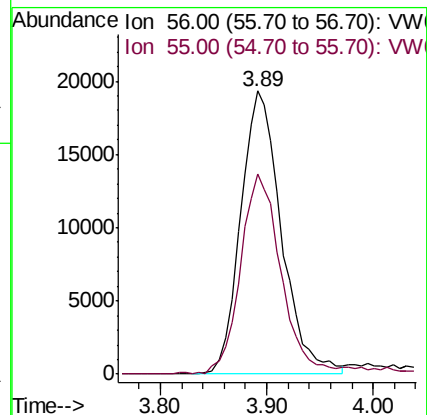
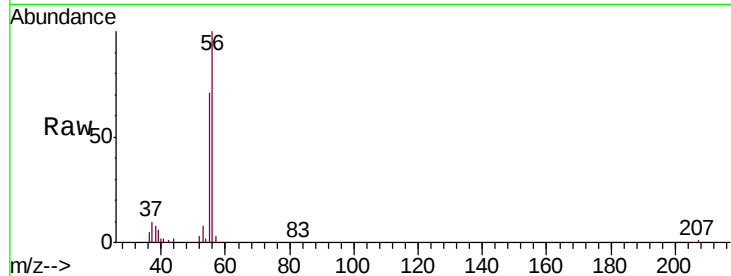
VSTDCCC050

Tgt Ion: 56 Resp: 51854

Ion Ratio Lower Upper

56 100

55 68.7 55.8 83.8



#14

Allyl chloride

Concen: 46.088 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

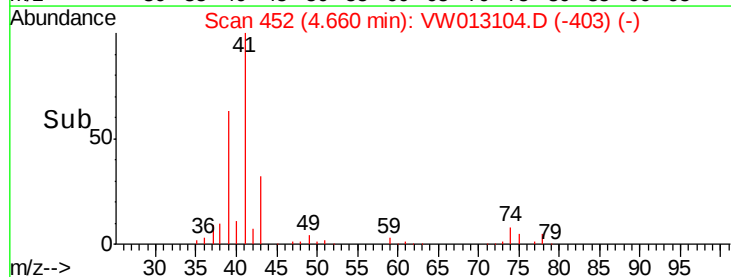
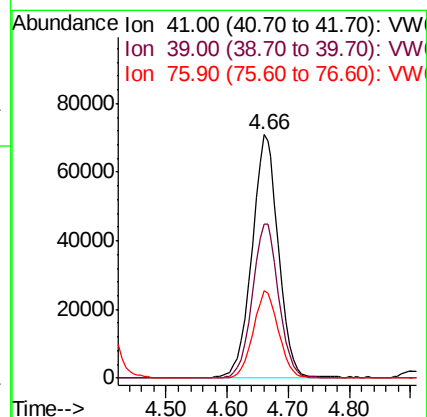
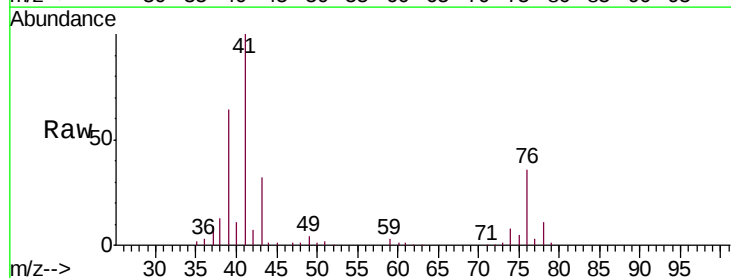
Tgt Ion: 41 Resp: 214716

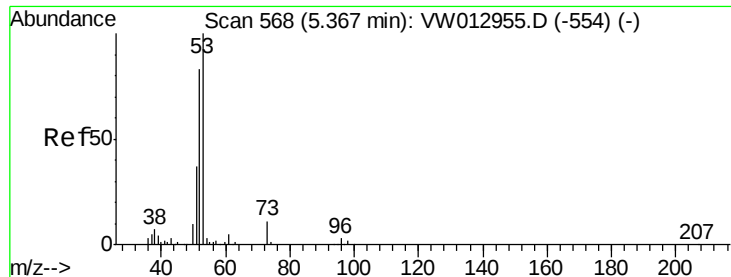
Ion Ratio Lower Upper

41 100

39 63.2 56.7 85.1

76 34.3 25.1 37.7





#15

Acrylonitrile

Concen: 230.474 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

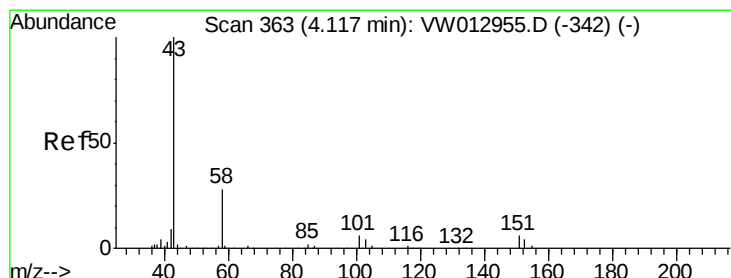
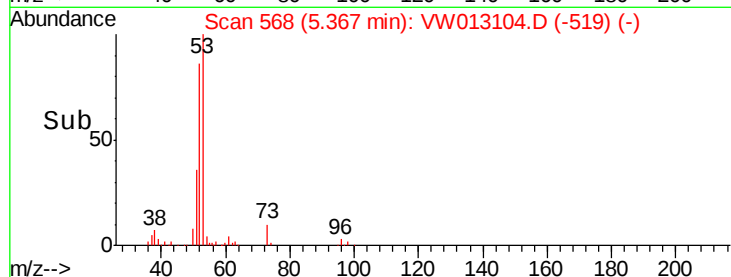
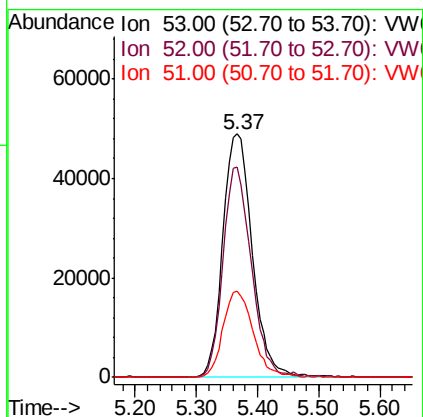
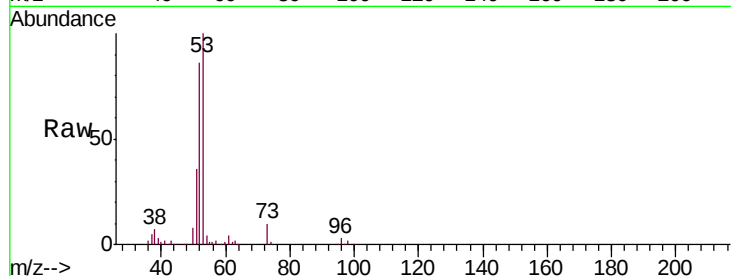
Tgt Ion: 53 Resp: 163563

Ion Ratio Lower Upper

53 100

52 82.8 66.6 100.0

51 36.1 29.8 44.8



#16

Acetone

Concen: 214.103 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW013104.D

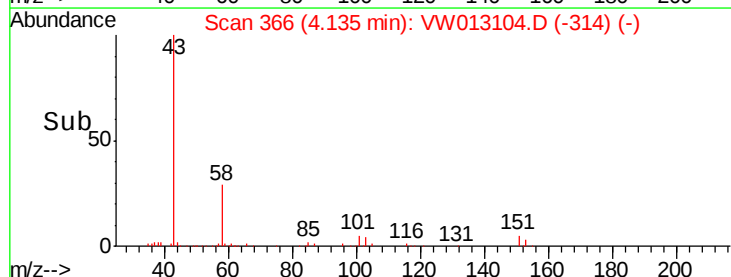
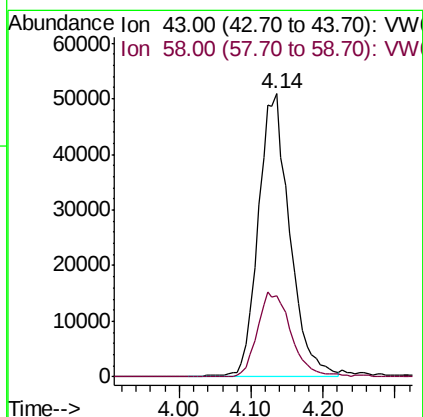
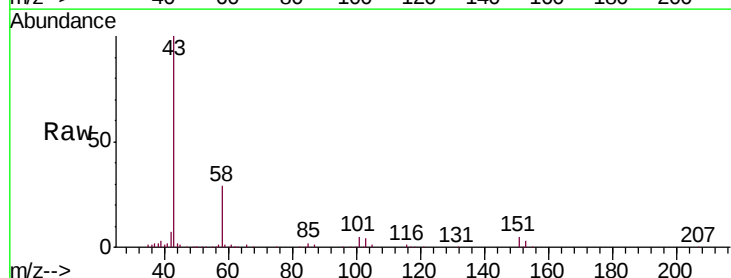
Acq: 18 Sep 2019 10:55

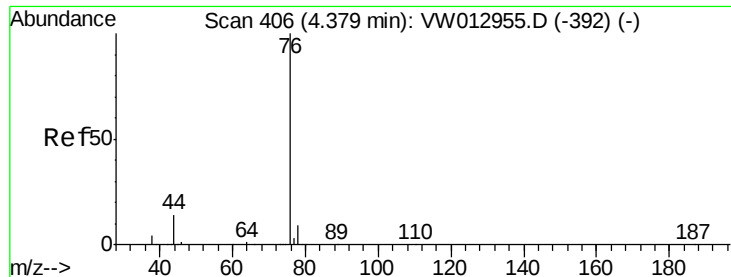
Tgt Ion: 43 Resp: 154545

Ion Ratio Lower Upper

43 100

58 28.4 22.3 33.5

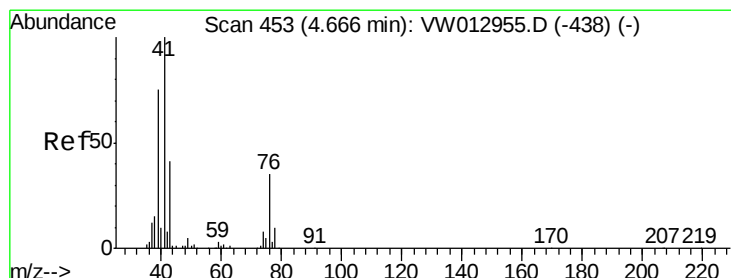
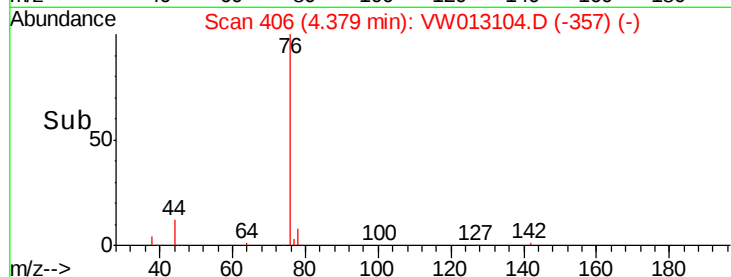
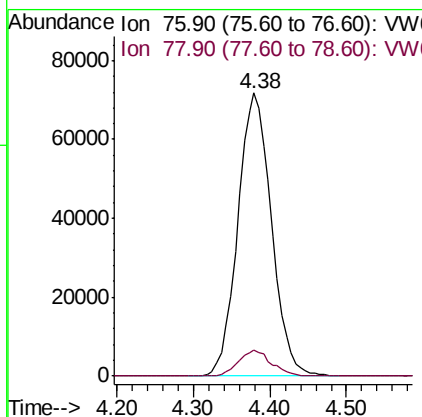
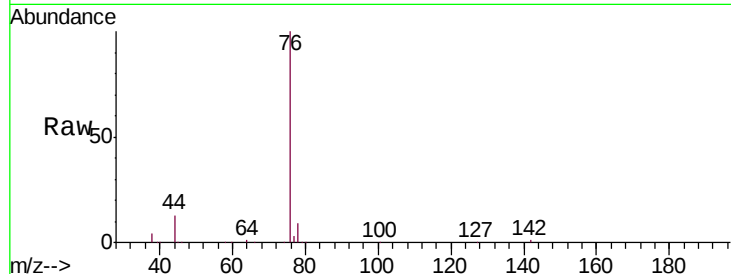




#17
Carbon Disulfide
Concen: 44.646 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

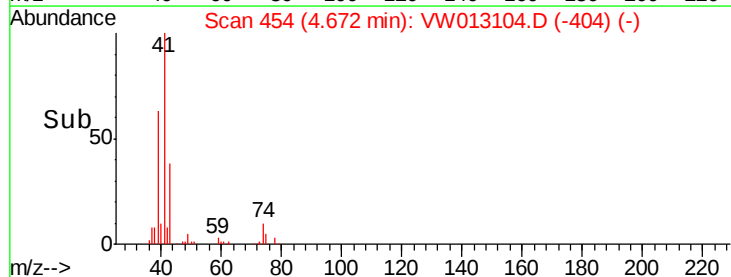
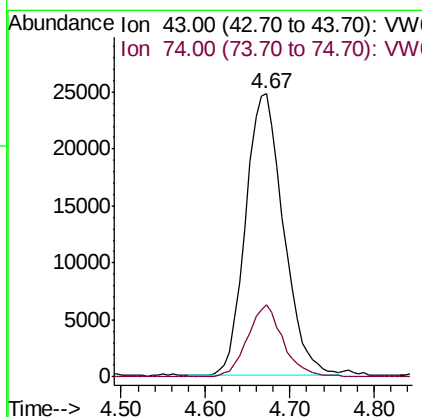
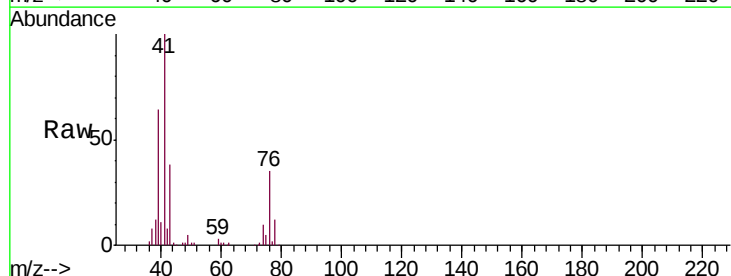
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

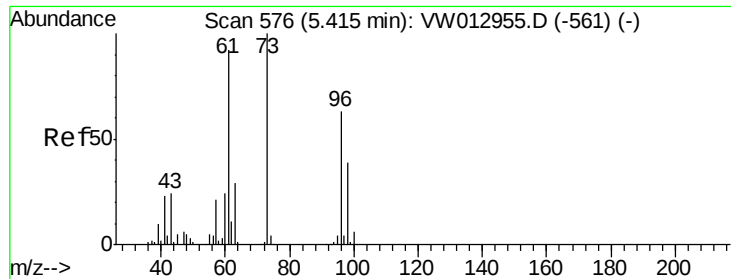
Tgt Ion: 76 Resp: 218341
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.4



#18
Methyl Acetate
Concen: 40.641 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Tgt Ion: 43 Resp: 76027
Ion Ratio Lower Upper
43 100
74 24.0 17.8 26.8

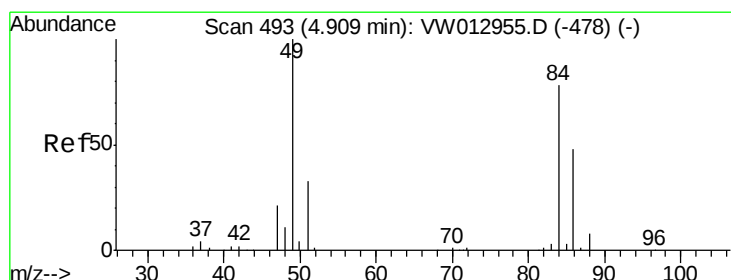
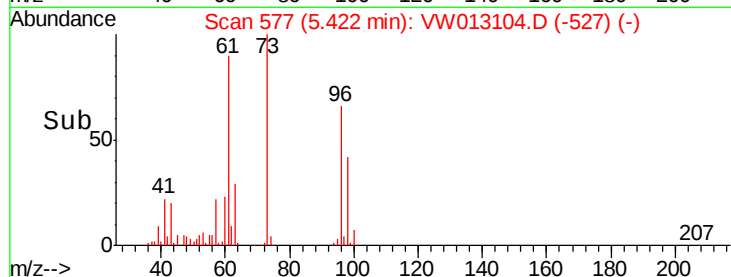
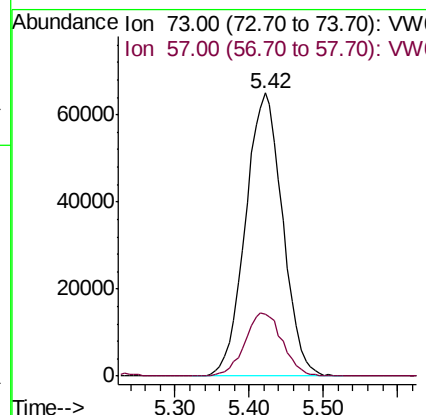
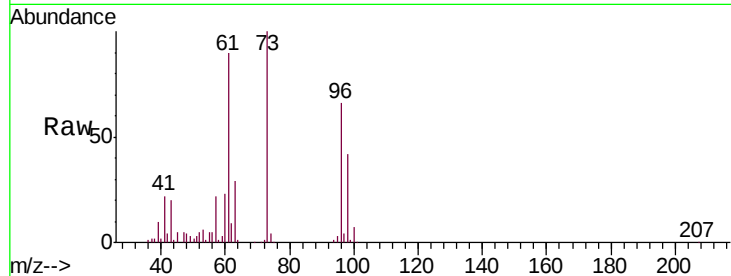




#19
Methyl tert-butyl Ether
Concen: 46.832 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

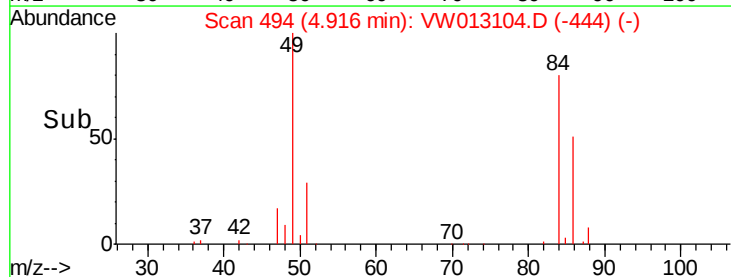
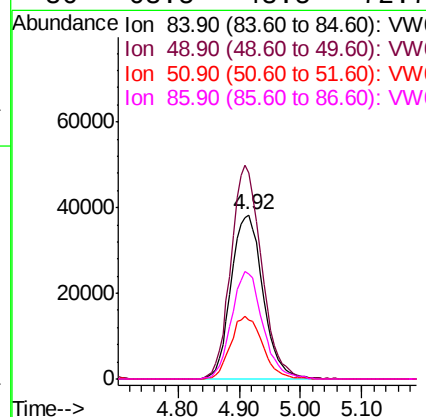
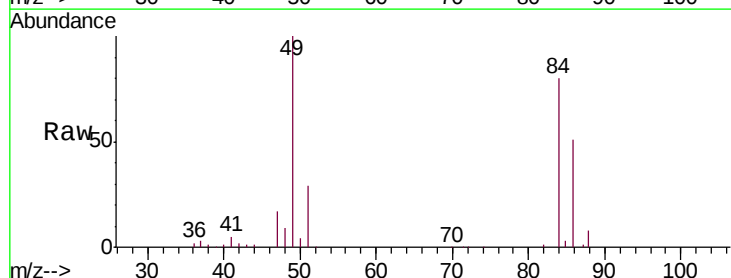
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

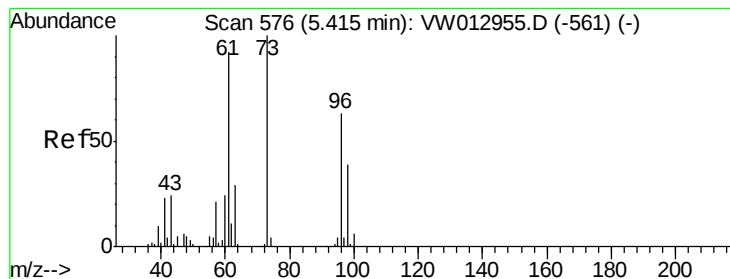
Tgt Ion: 73 Resp: 226863
Ion Ratio Lower Upper
73 100
57 22.1 16.4 24.6



#20
Methylene Chloride
Concen: 52.355 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Tgt Ion: 84 Resp: 138236
Ion Ratio Lower Upper
84 100
49 125.0 102.0 153.0
51 36.2 34.0 51.0
86 63.5 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 49.820 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

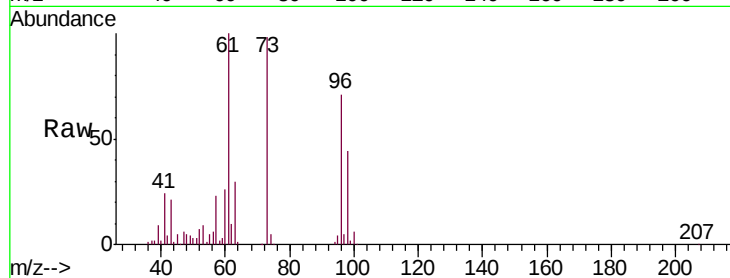
Tgt Ion: 96 Resp: 130945

Ion Ratio Lower Upper

96 100

61 141.8 116.2 174.2

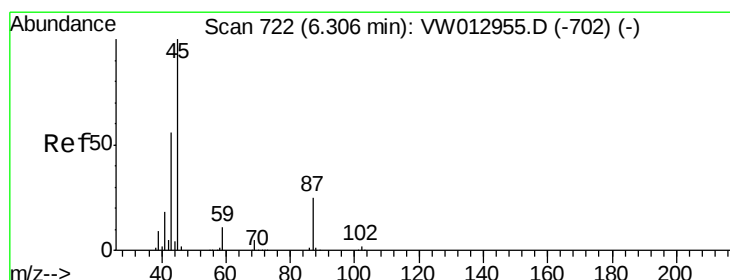
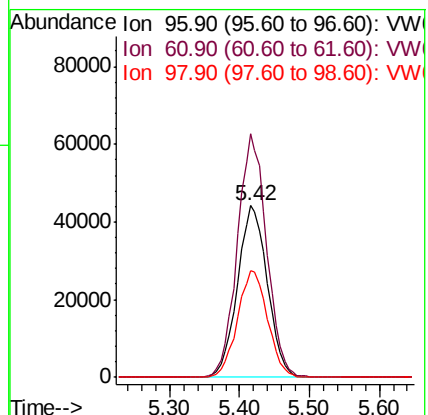
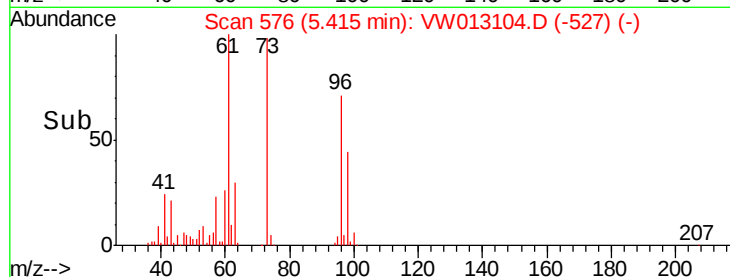
98 62.0 49.8 74.6



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 48.216 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Tgt Ion: 45 Resp: 466655

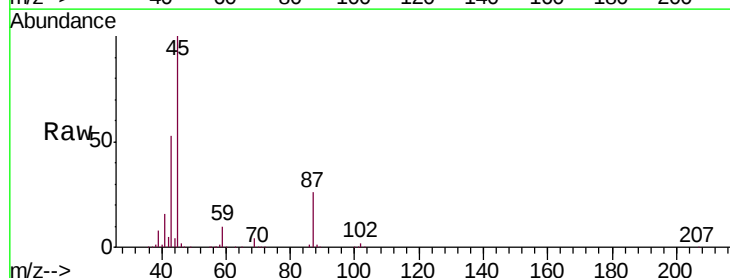
Ion Ratio Lower Upper

45 100

43 52.7 44.6 67.0

87 26.2 20.0 30.0

59 9.9 8.7 13.1

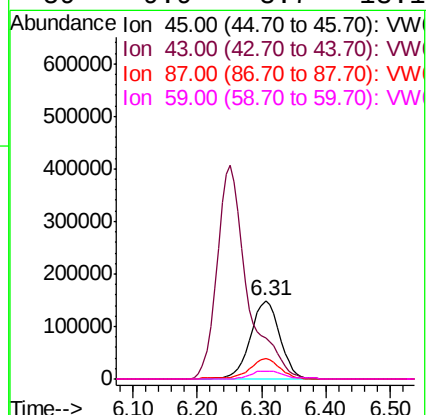
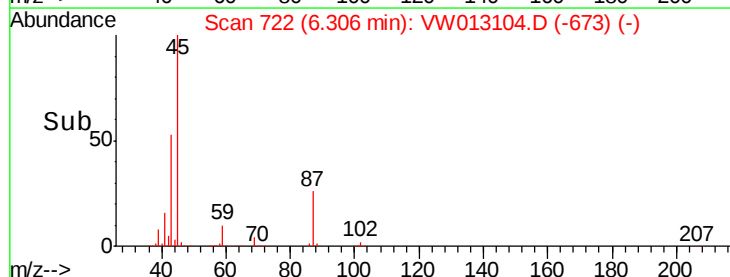


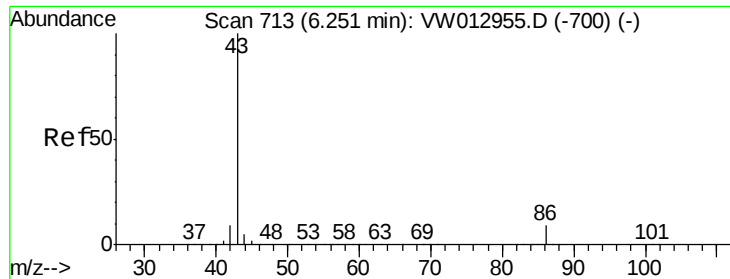
Abundance Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 230.539 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

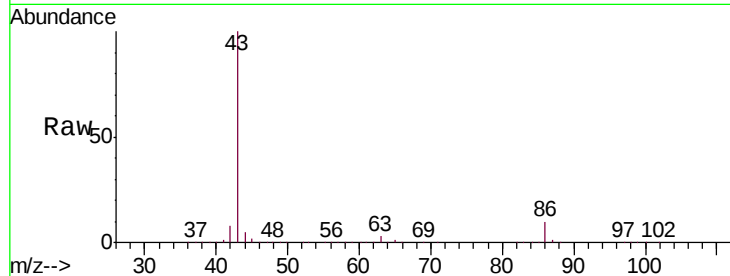
VSTDCCC050

Tgt Ion: 43 Resp: 1336379

Ion Ratio Lower Upper

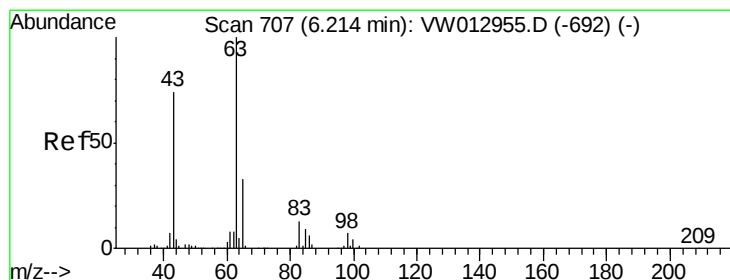
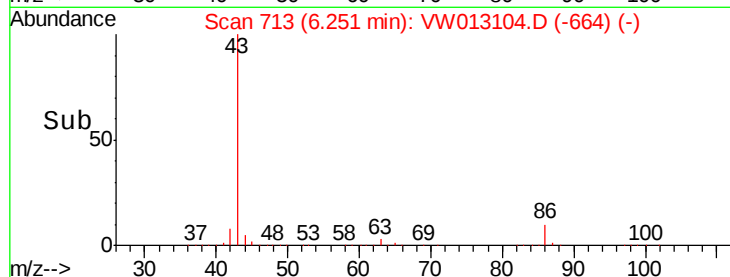
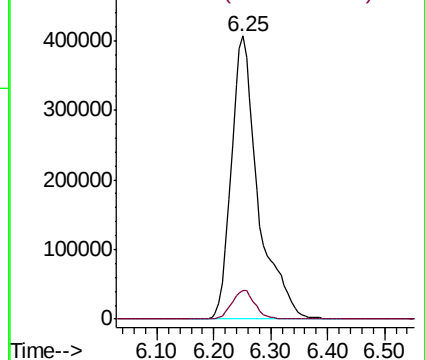
43 100

86 10.2 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: 47.141 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

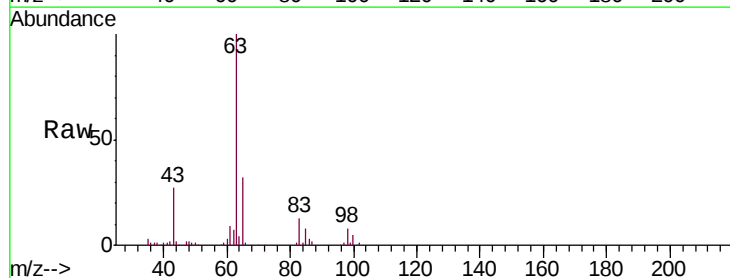
Tgt Ion: 63 Resp: 263055

Ion Ratio Lower Upper

63 100

98 7.5 3.3 9.9

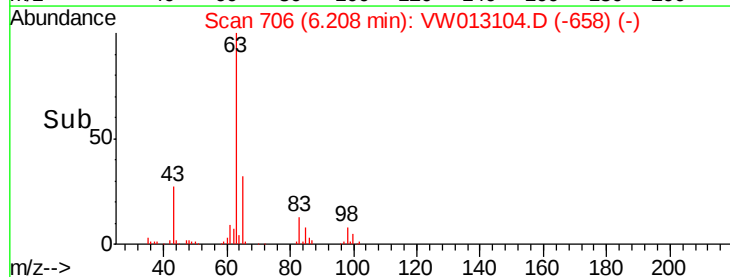
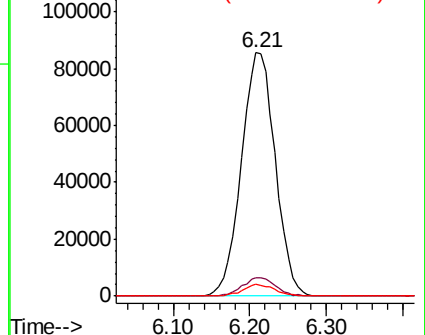
100 4.9 1.8 5.5

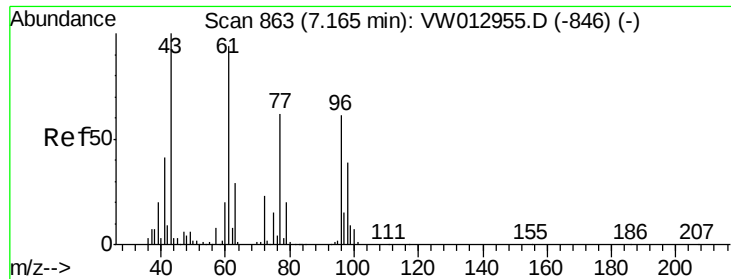


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 207.903 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

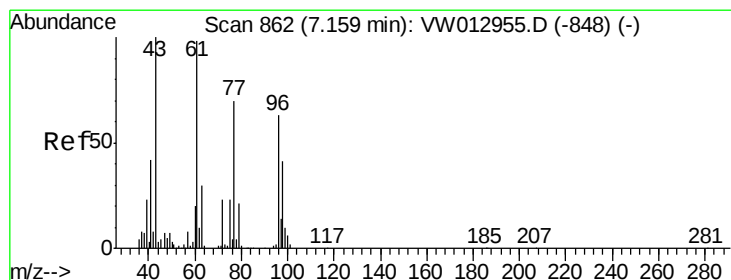
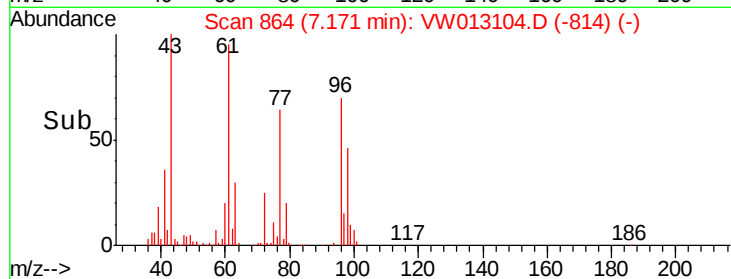
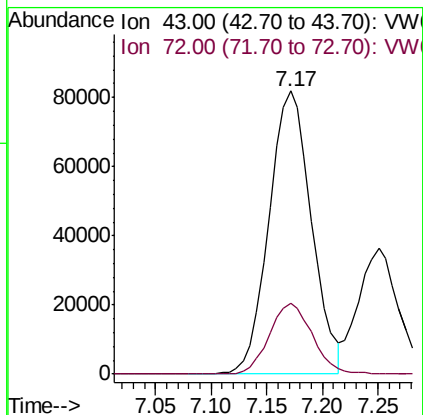
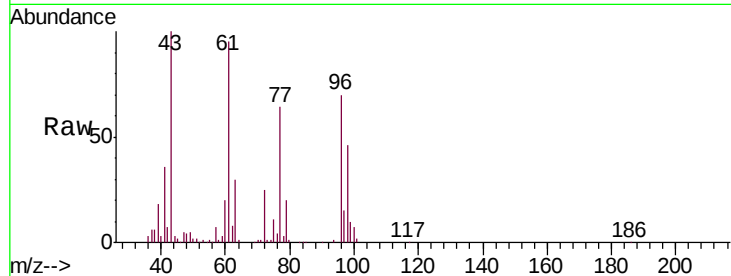
VSTDCCC050

Tgt Ion: 43 Resp: 217068

Ion Ratio Lower Upper

43 100

72 25.2 18.2 27.4



#26

2,2-Dichloropropane

Concen: 46.805 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW013104.D

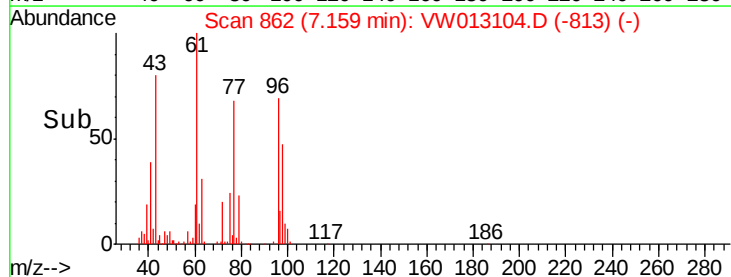
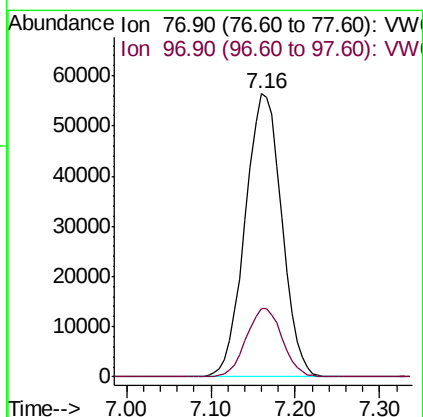
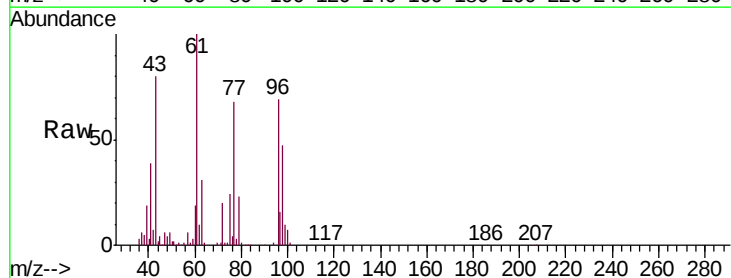
Acq: 18 Sep 2019 10:55

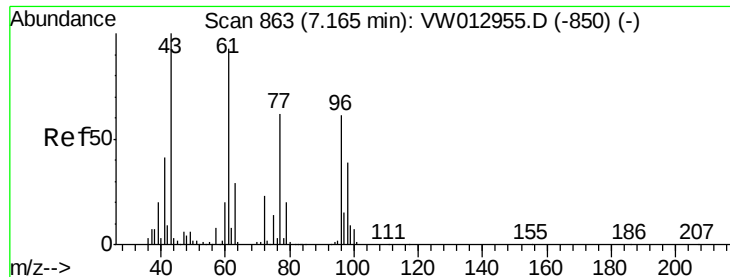
Tgt Ion: 77 Resp: 166737

Ion Ratio Lower Upper

77 100

97 23.9 10.7 32.1

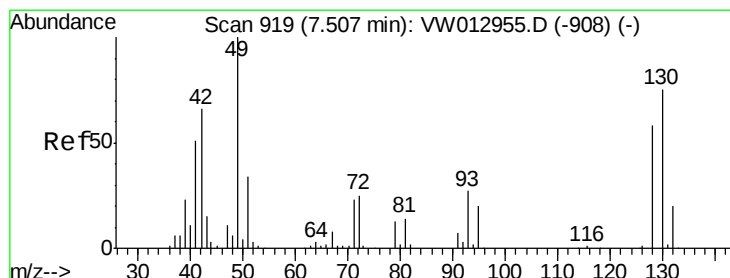
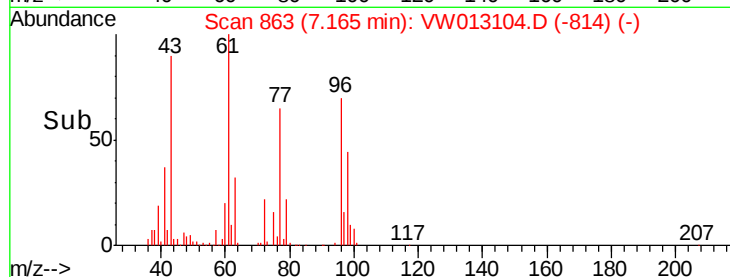
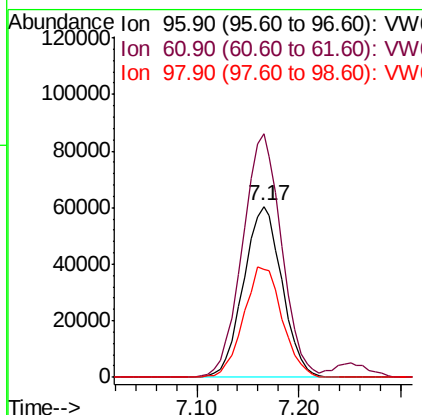
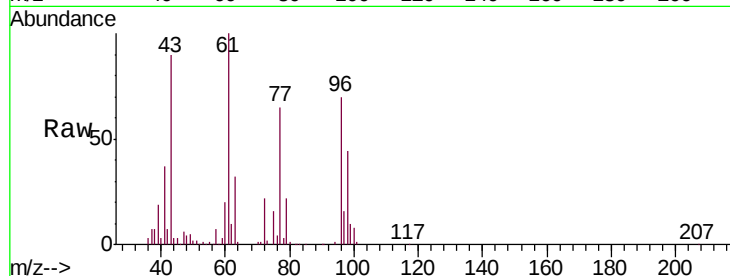




#27
 cis-1,2-Dichloroethene
 Concen: 50.274 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW013104.D
 Acq: 18 Sep 2019 10:55

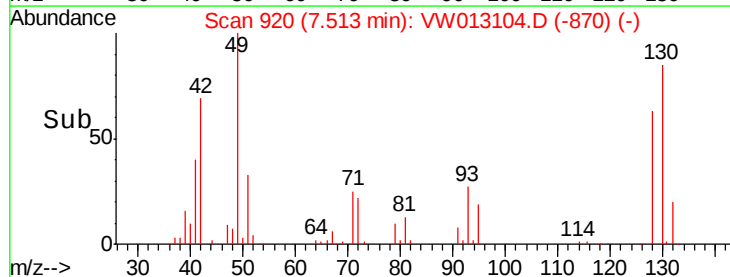
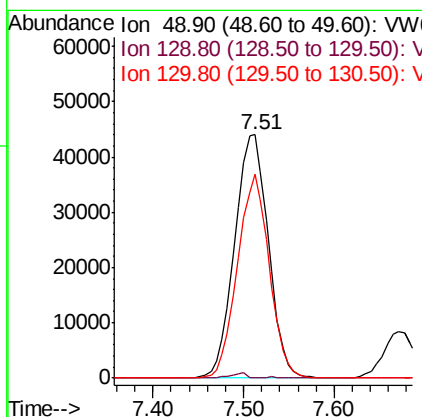
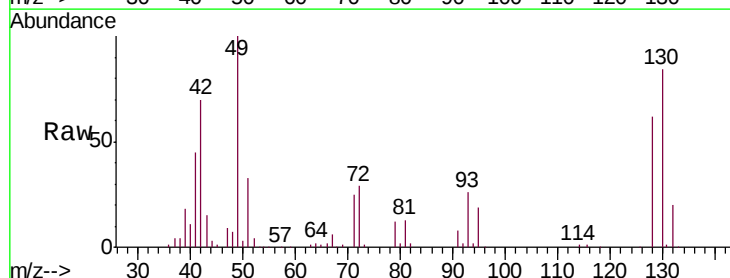
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

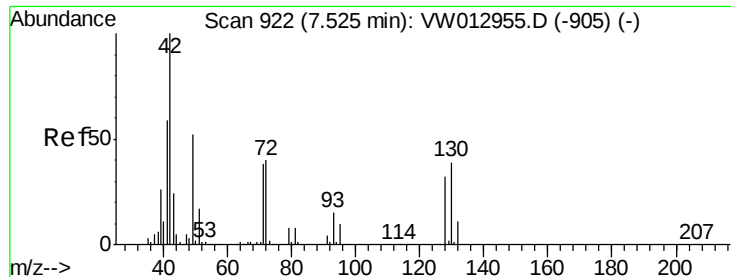
Tgt Ion: 96 Resp: 158199
 Ion Ratio Lower Upper
 96 100
 61 144.4 0.0 315.4
 98 64.9 0.0 131.0



#28
 Bromochloromethane
 Concen: 48.403 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW013104.D
 Acq: 18 Sep 2019 10:55

Tgt Ion: 49 Resp: 113685
 Ion Ratio Lower Upper
 49 100
 129 0.9 0.0 1.4
 130 78.8 57.8 86.6

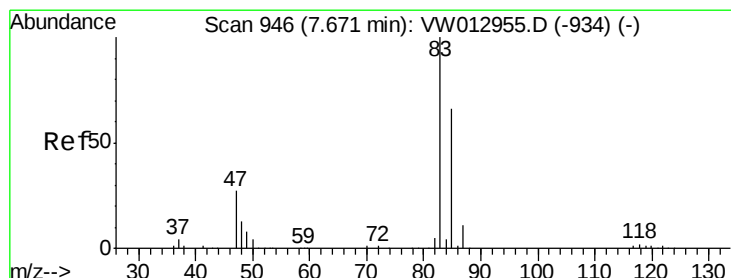
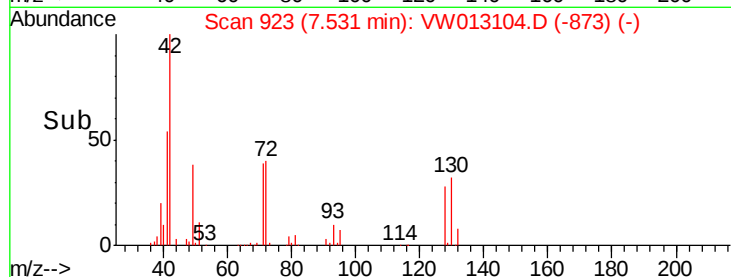
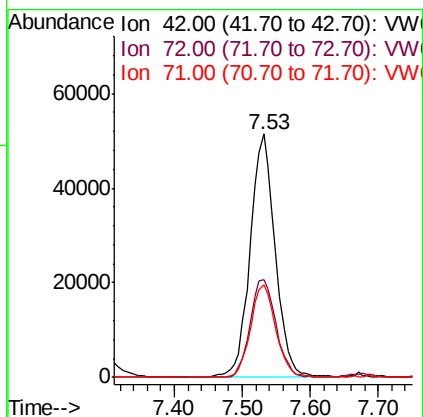
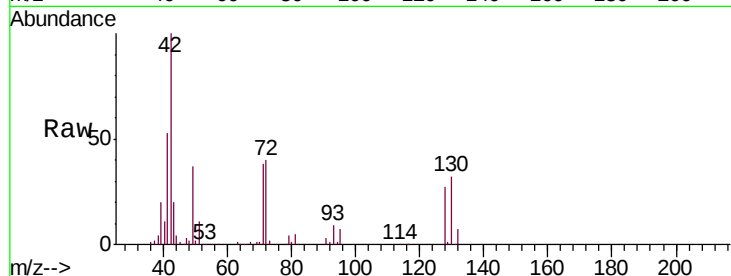




#29
Tetrahydrofuran
Concen: 222.858 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

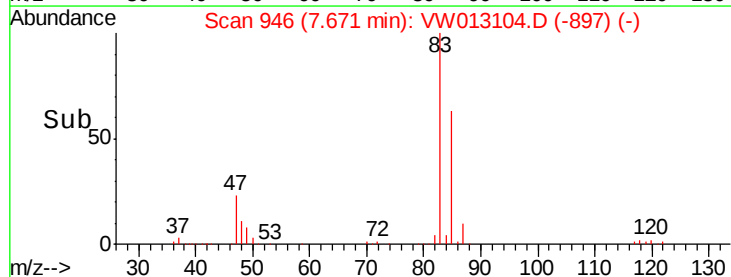
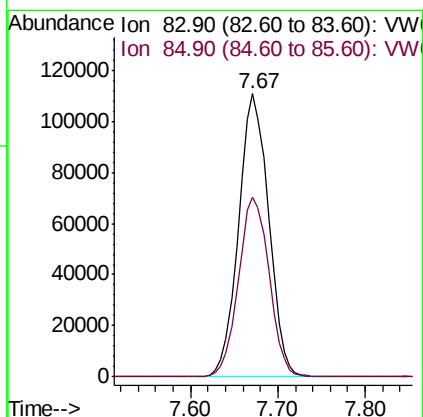
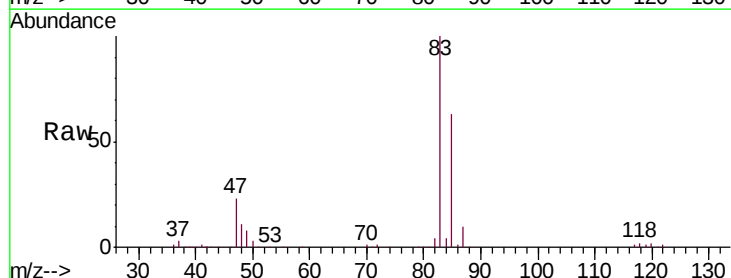
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

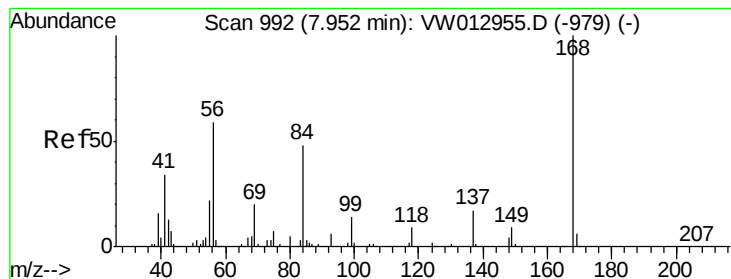
Tgt Ion: 42 Resp: 132578
Ion Ratio Lower Upper
42 100
72 41.7 31.4 47.0
71 38.4 29.8 44.8



#30
Chloroform
Concen: 46.737 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Tgt Ion: 83 Resp: 264996
Ion Ratio Lower Upper
83 100
85 63.4 52.8 79.2





#31

Cyclohexane

Concen: 49.601 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

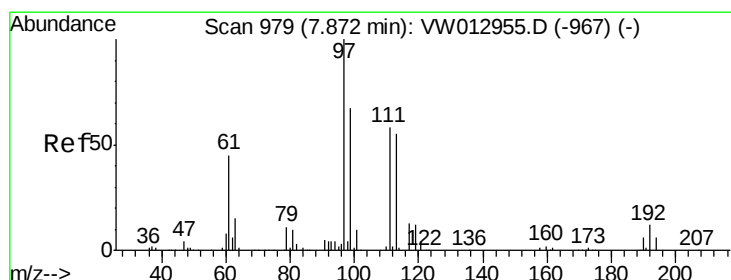
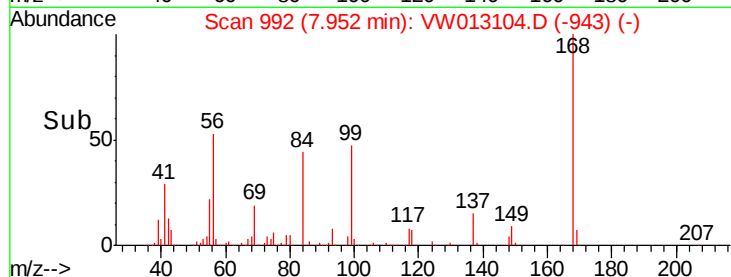
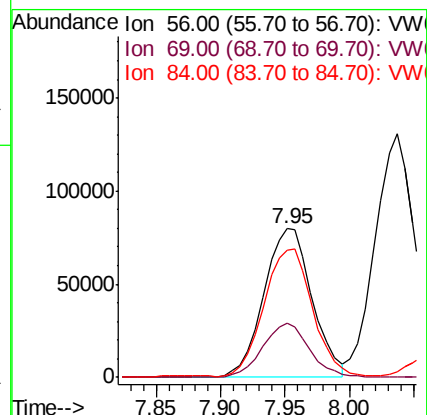
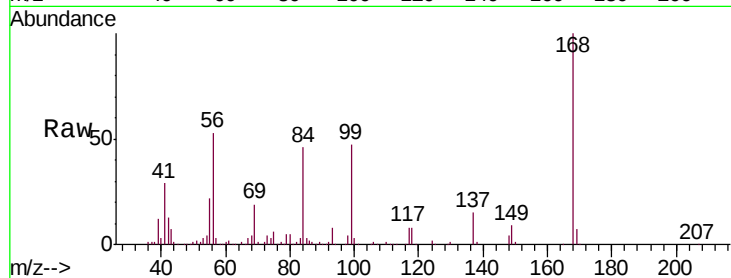
Tgt Ion: 56 Resp: 207915

Ion Ratio Lower Upper

56 100

69 36.4 27.0 40.6

84 84.5 66.2 99.2



#32

1,1,1-Trichloroethane

Concen: 44.992 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

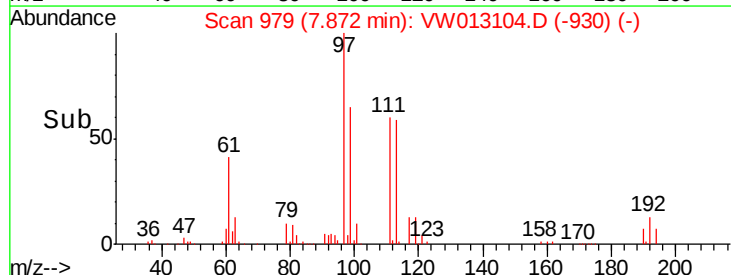
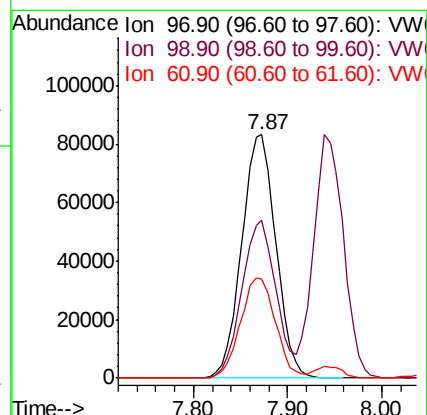
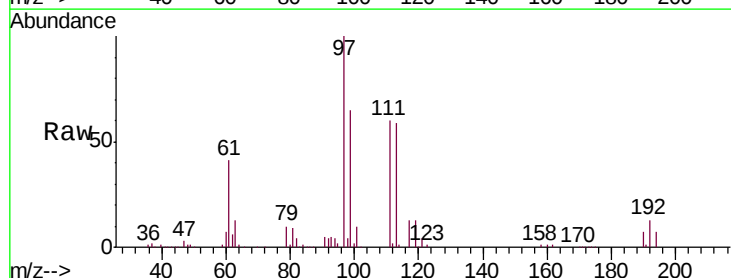
Tgt Ion: 97 Resp: 210081

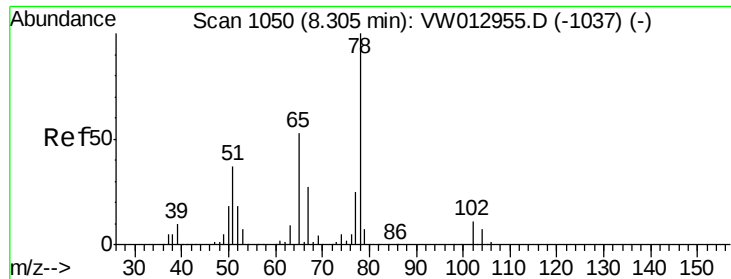
Ion Ratio Lower Upper

97 100

99 65.3 53.0 79.4

61 42.2 36.5 54.7





#33

1,2-Dichloroethane-d4

Concen: 42.419 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

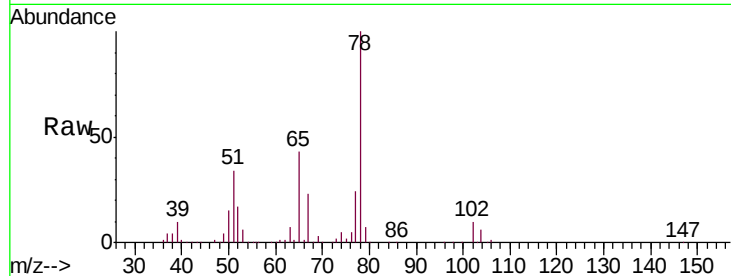
VSTDCCC050

Tgt Ion: 65 Resp: 139282

Ion Ratio Lower Upper

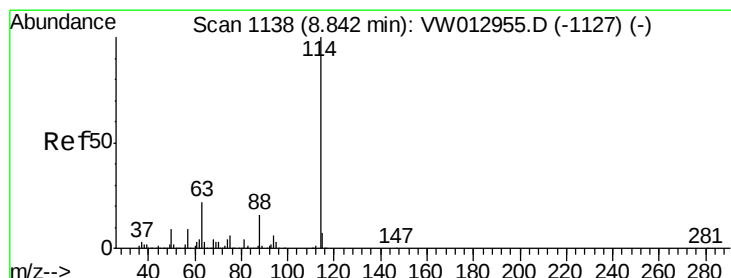
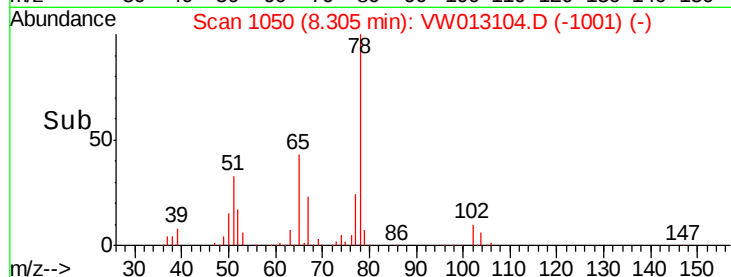
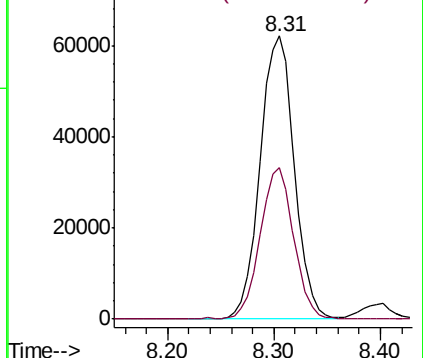
65 100

67 52.5 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

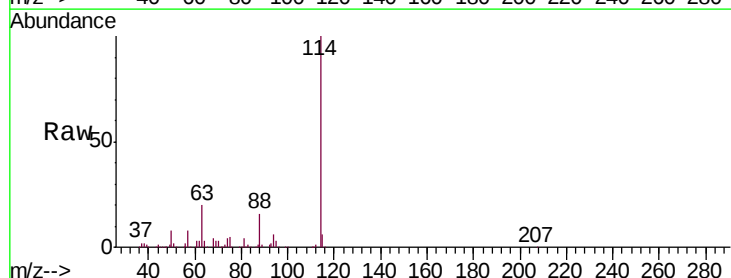
Tgt Ion: 114 Resp: 518328

Ion Ratio Lower Upper

114 100

63 20.0 0.0 43.4

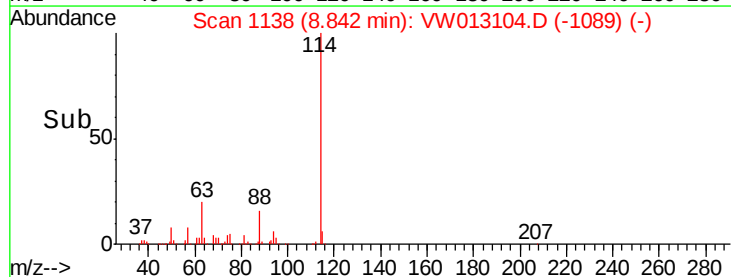
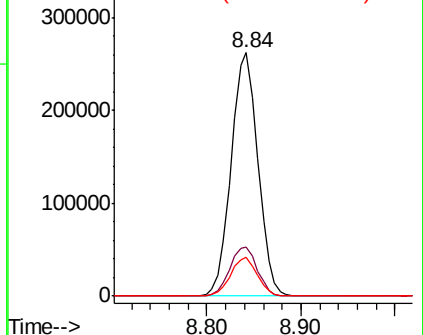
88 15.7 0.0 31.6

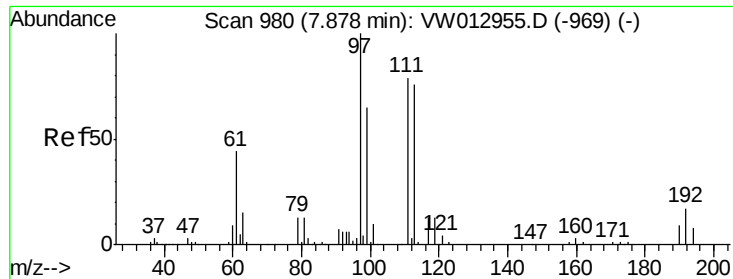


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

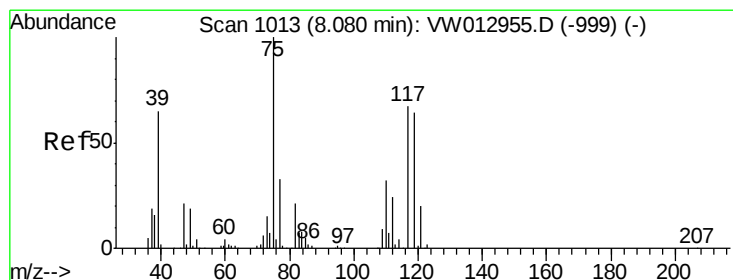
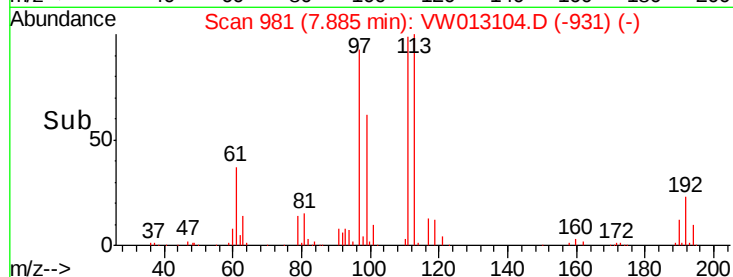
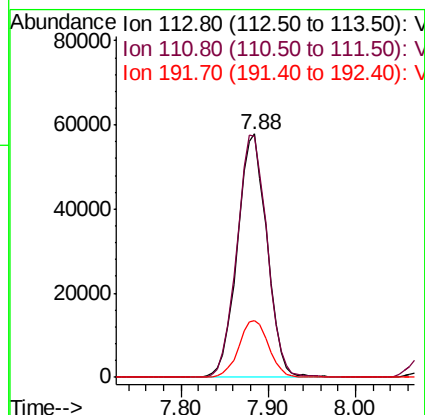
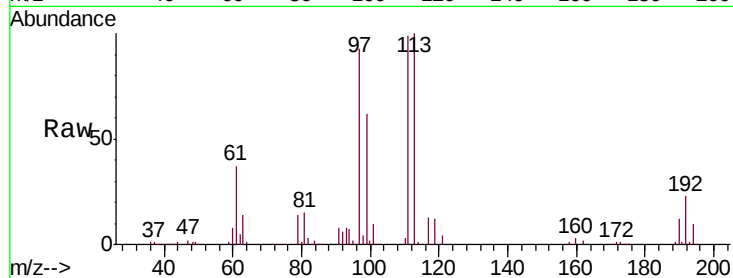




#35
 Dibromofluoromethane
 Concen: 48.360 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013104.D
 Acq: 18 Sep 2019 10:55

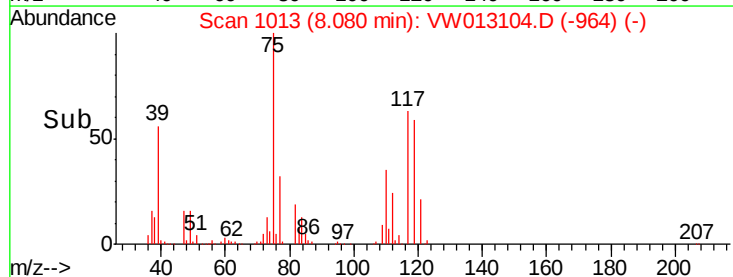
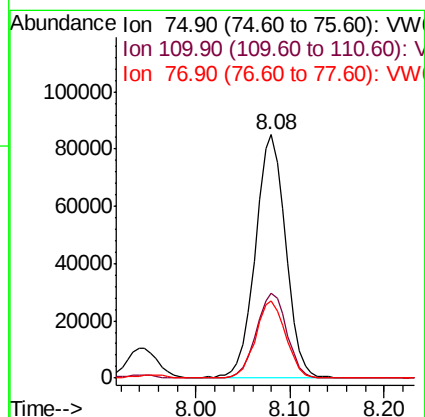
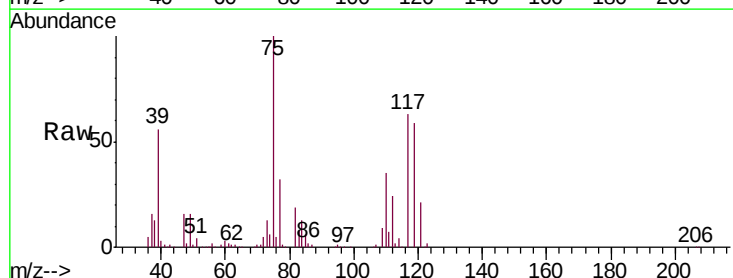
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

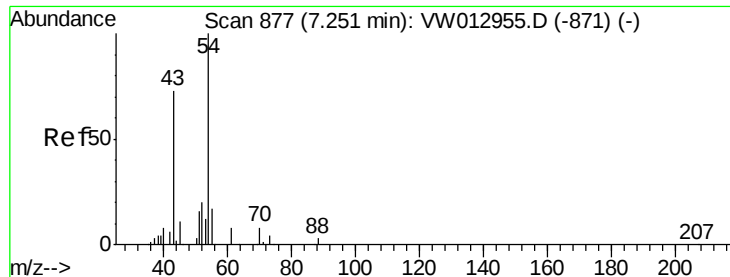
Tgt Ion: 113 Resp: 136014
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.8 124.2
 192 23.5 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 46.312 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW013104.D
 Acq: 18 Sep 2019 10:55

Tgt Ion: 75 Resp: 191820
 Ion Ratio Lower Upper
 75 100
 110 35.4 16.4 49.1
 77 31.7 25.1 37.7

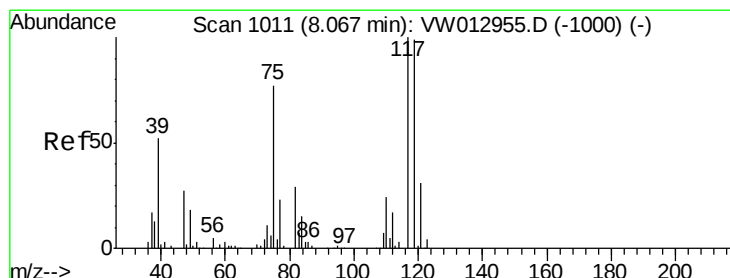
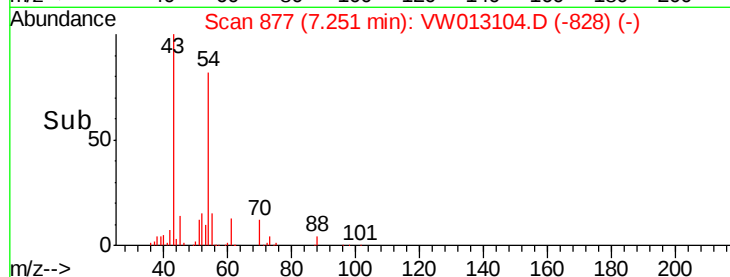
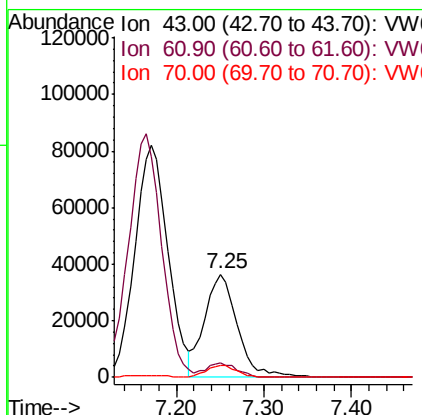
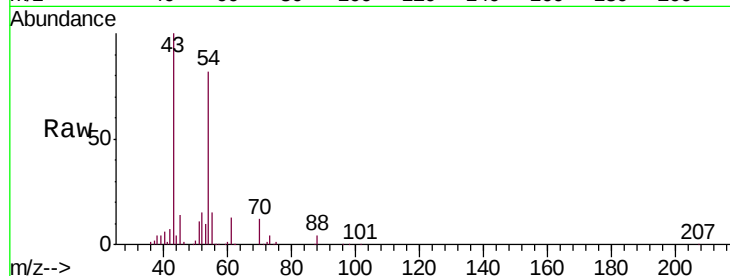




#37
Ethyl Acetate
Concen: 42.623 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

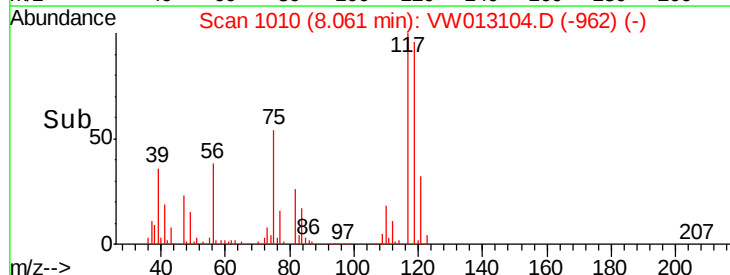
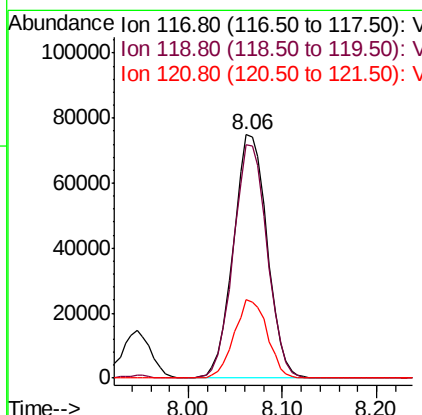
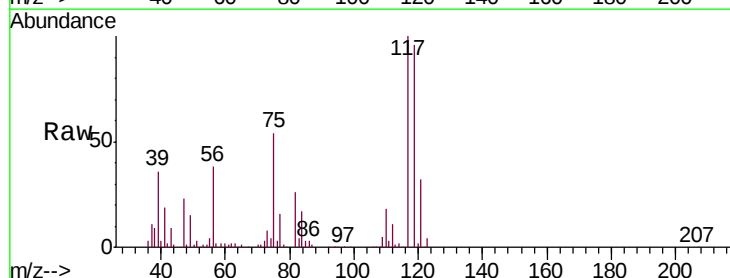
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

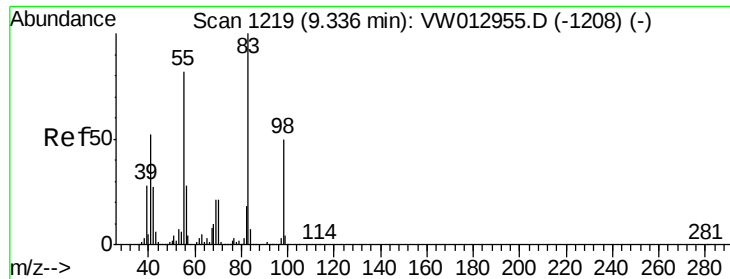
Tgt Ion: 43 Resp: 93706
Ion Ratio Lower Upper
43 100
61 13.3 9.6 14.4
70 11.1 7.6 11.4



#38
Carbon Tetrachloride
Concen: 44.052 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Tgt Ion: 117 Resp: 186978
Ion Ratio Lower Upper
117 100
119 96.0 79.4 119.0
121 32.0 24.6 36.8

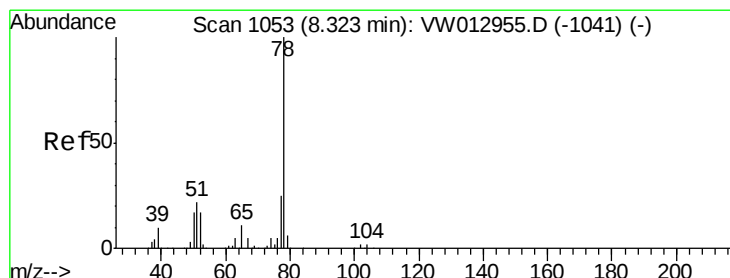
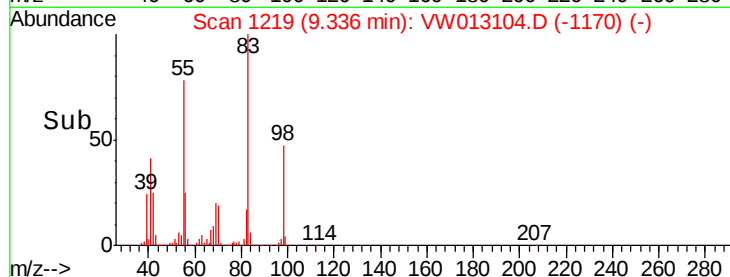
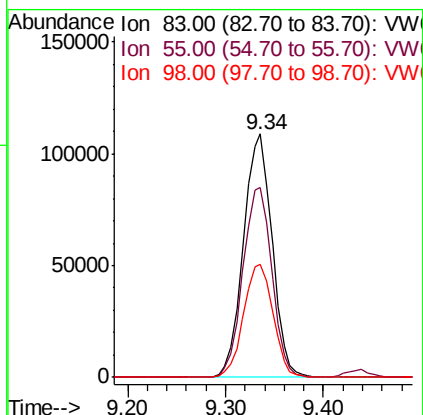
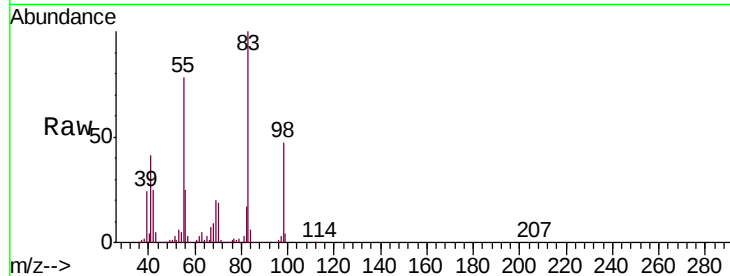




#39
Methylcyclohexane
Concen: 48.752 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

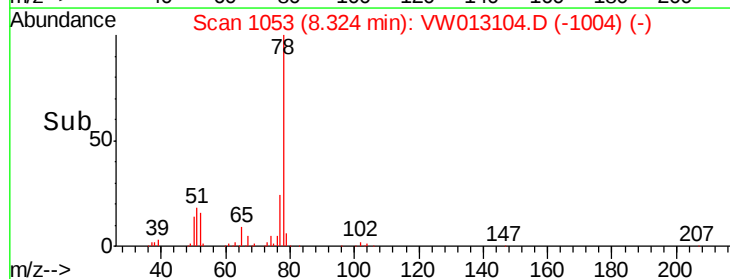
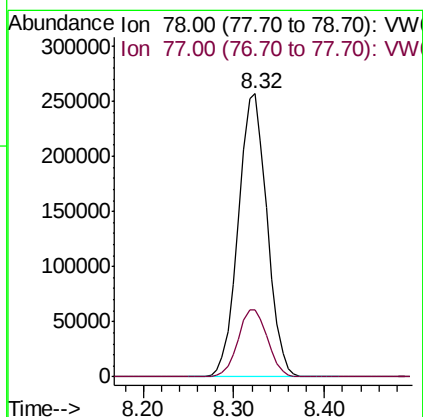
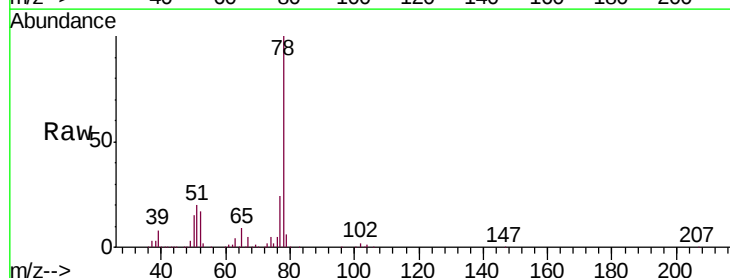
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

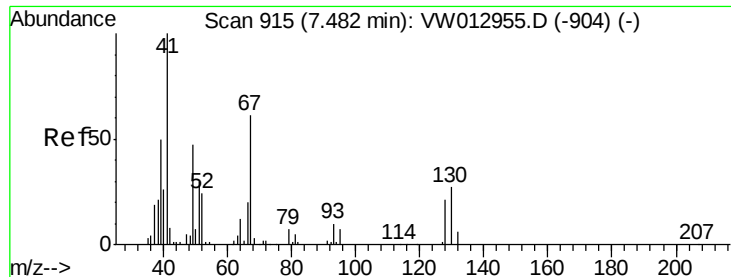
Tgt Ion: 83 Resp: 221268
Ion Ratio Lower Upper
83 100
55 77.8 65.9 98.9
98 46.7 39.6 59.4



#40
Benzene
Concen: 49.127 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Tgt Ion: 78 Resp: 568048
Ion Ratio Lower Upper
78 100
77 23.9 19.6 29.4

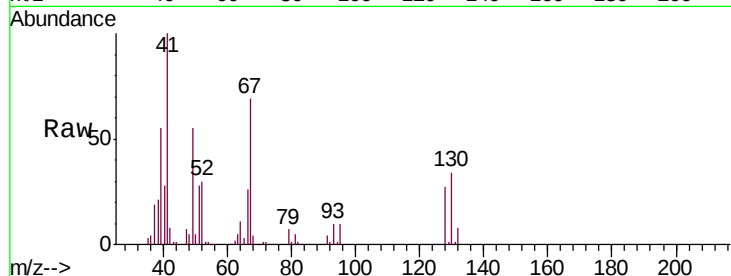




#41
Methacrylonitrile
Concen: 38.928 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	56359
Ion	Ratio	Lower	Upper
41	100		
39	57.9	48.2	72.4
67	69.4	47.5	71.3
52	29.8	21.0	31.4



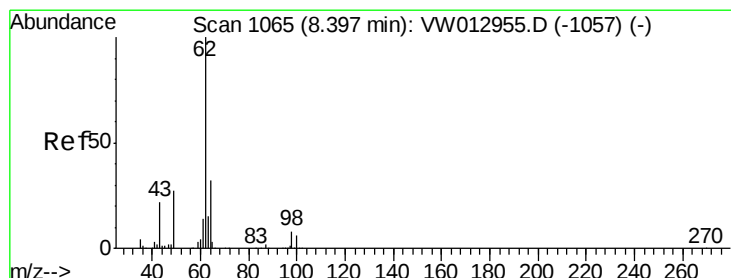
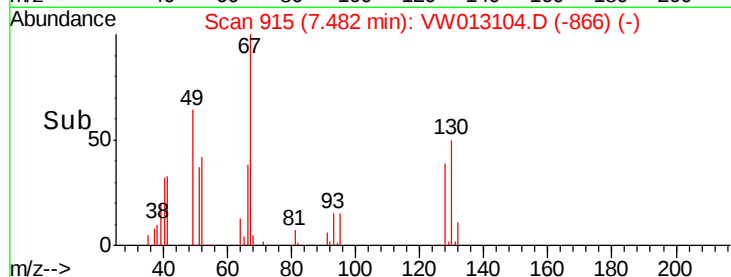
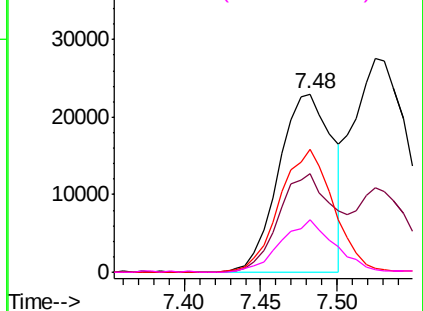
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

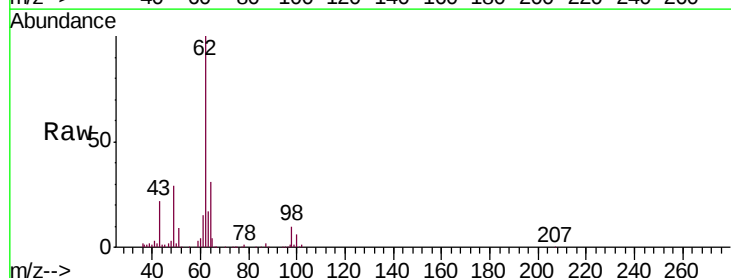
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 41.585 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

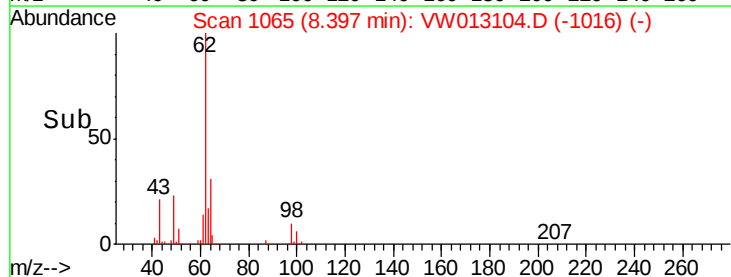
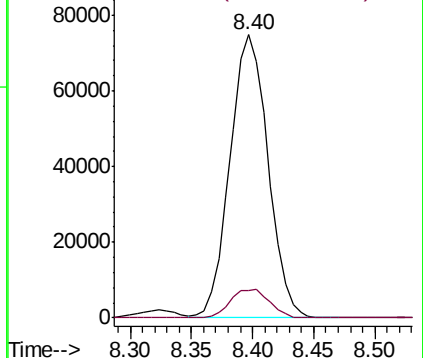
Tgt Ion:	62	Resp:	161187
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	16.8

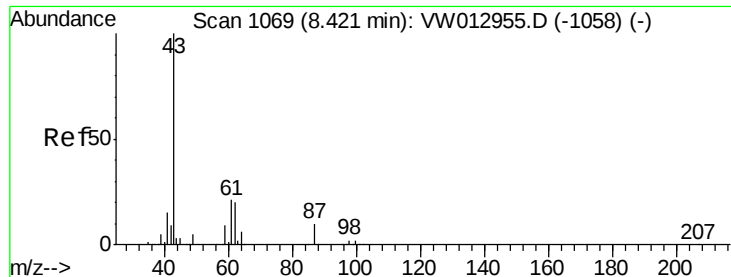


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 42.996 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

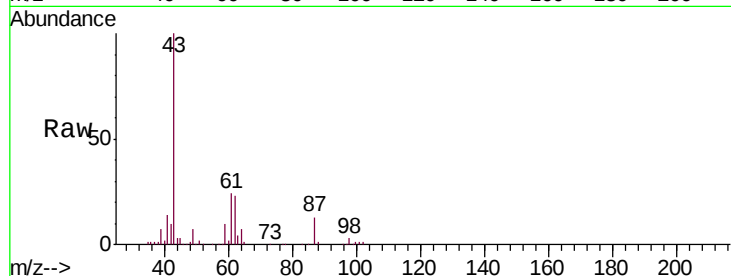
Tgt Ion: 43 Resp: 181492

Ion Ratio Lower Upper

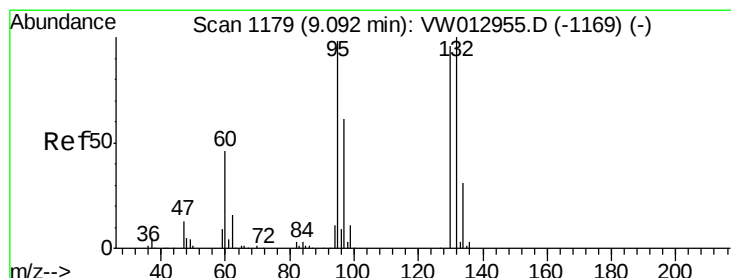
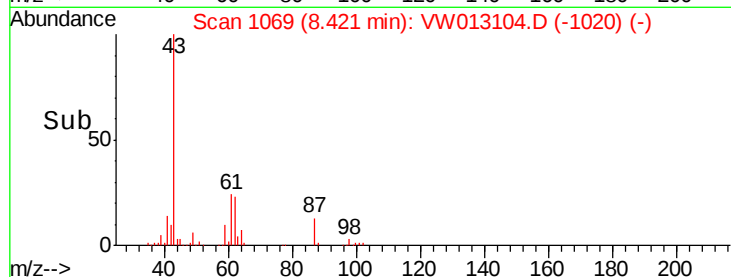
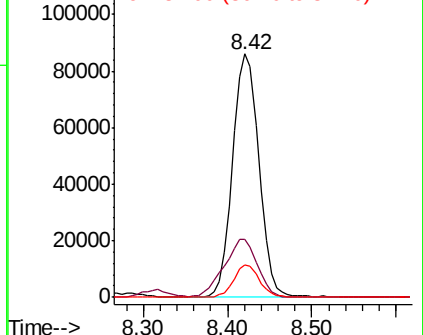
43 100

61 30.6 22.7 34.1

87 13.1 9.4 14.2



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



#44

Trichloroethene

Concen: 49.490 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW013104.D

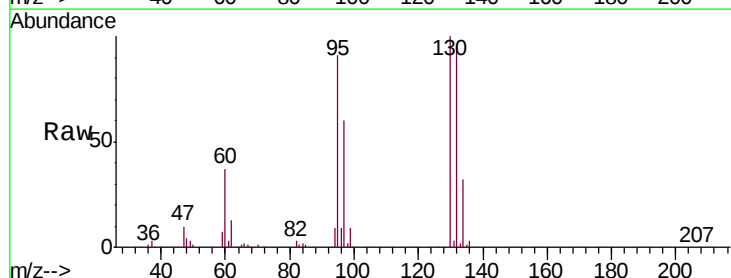
Acq: 18 Sep 2019 10:55

Tgt Ion: 130 Resp: 156741

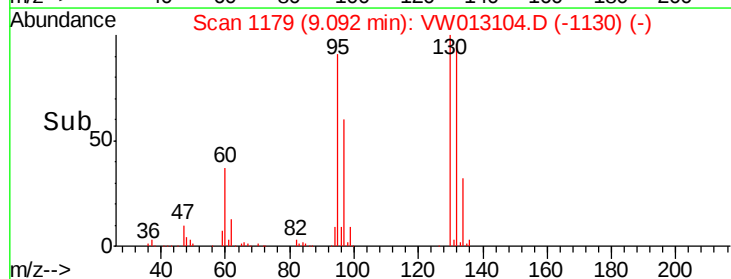
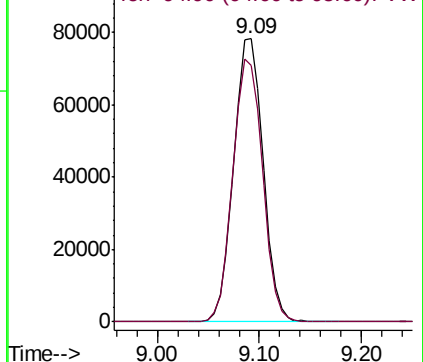
Ion Ratio Lower Upper

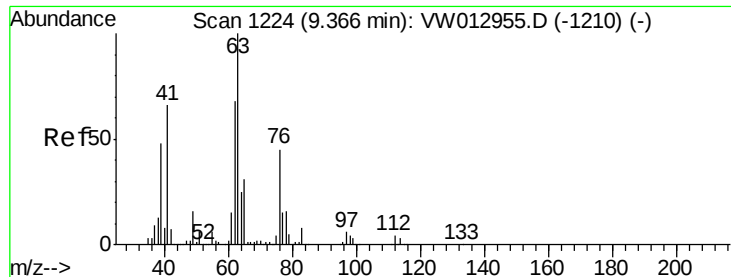
130 100

95 90.6 0.0 204.4



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





#45

1,2-Dichloropropane

Concen: 49.084 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

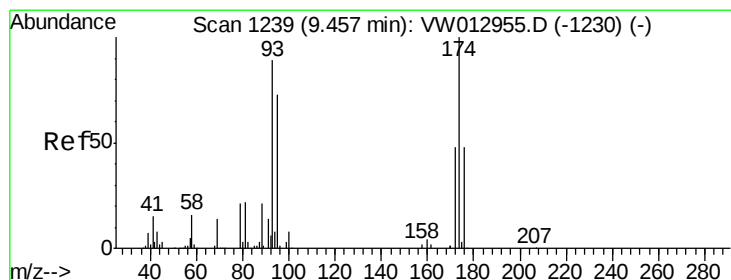
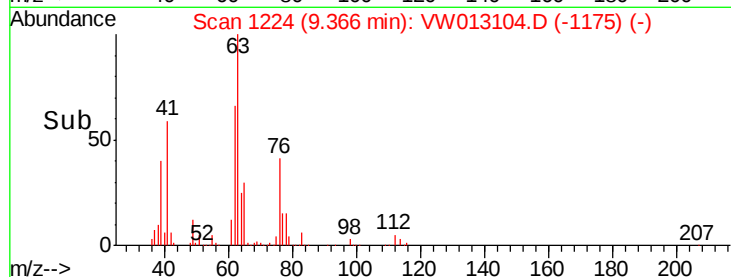
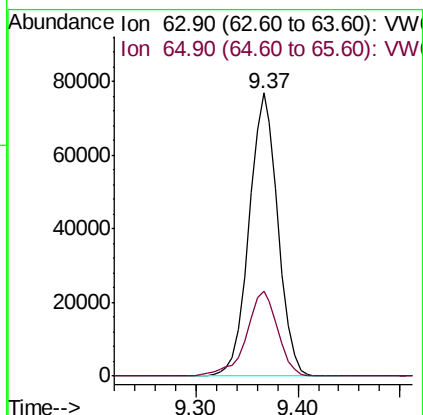
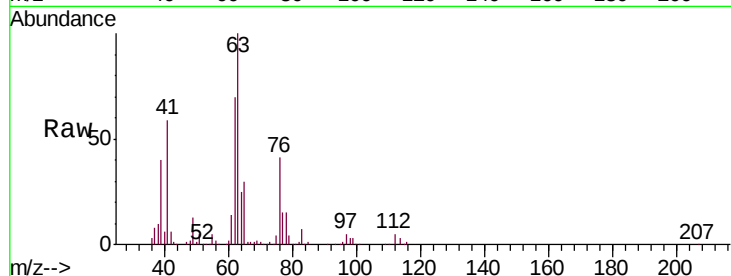
VSTDCCC050

Tgt Ion: 63 Resp: 150790

Ion Ratio Lower Upper

63 100

65 30.2 24.6 37.0



#46

Dibromomethane

Concen: 48.903 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

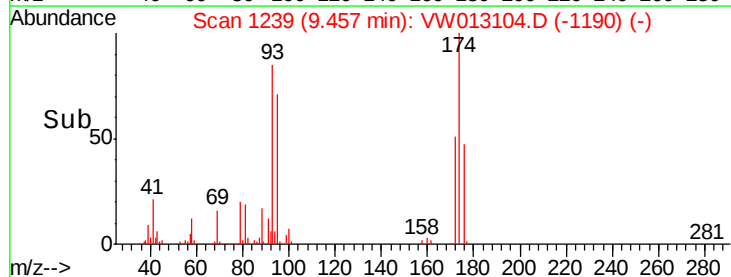
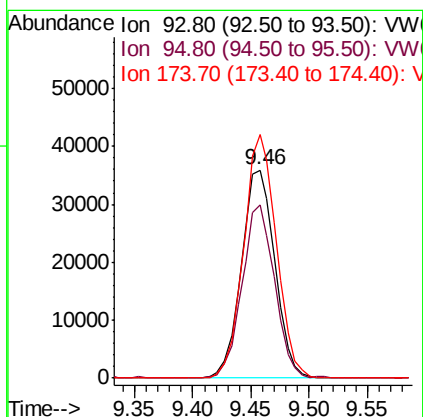
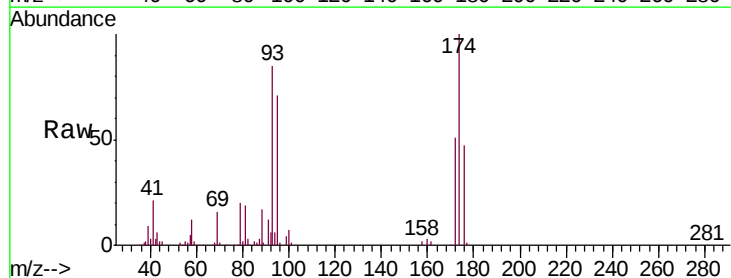
Tgt Ion: 93 Resp: 71976

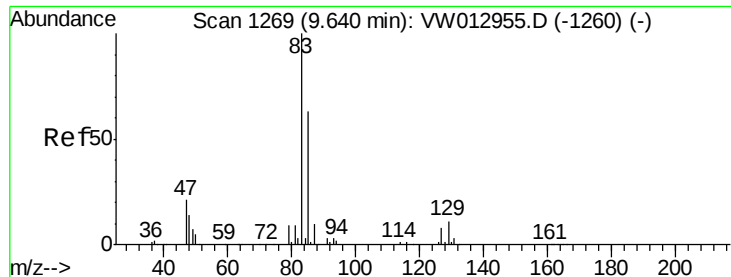
Ion Ratio Lower Upper

93 100

95 81.0 67.0 100.4

174 114.4 90.5 135.7





#47

Bromodichloromethane

Concen: 47.764 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

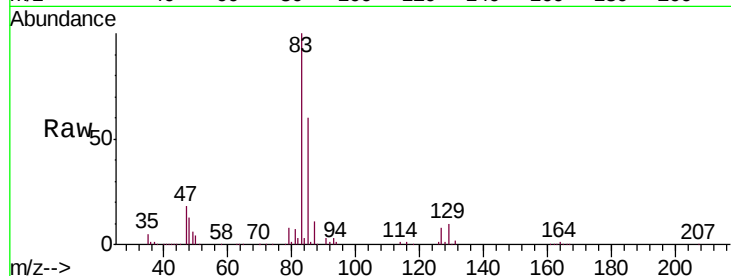
Tgt Ion: 83 Resp: 197191

Ion Ratio Lower Upper

83 100

85 59.9 50.6 75.8

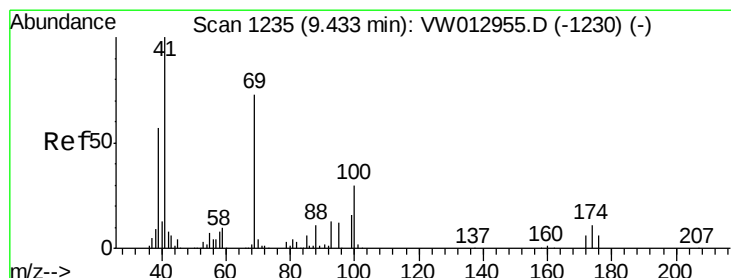
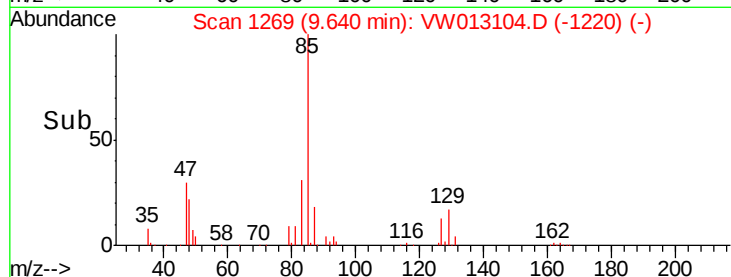
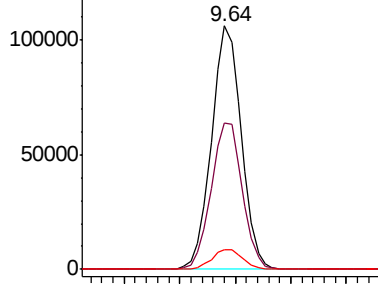
127 8.0 6.7 10.1



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): VW



#48

Methyl methacrylate

Concen: 42.558 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

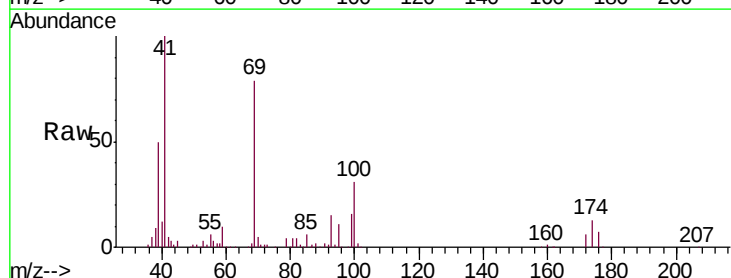
Tgt Ion: 41 Resp: 84309

Ion Ratio Lower Upper

41 100

69 87.7 62.8 94.2

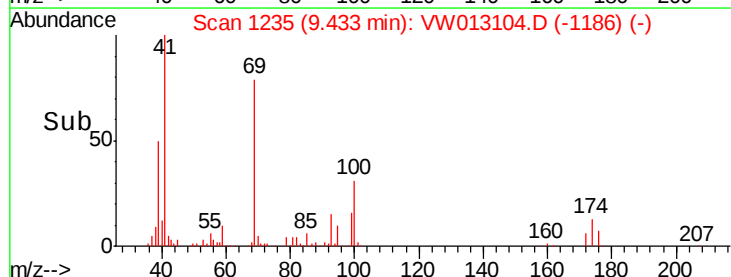
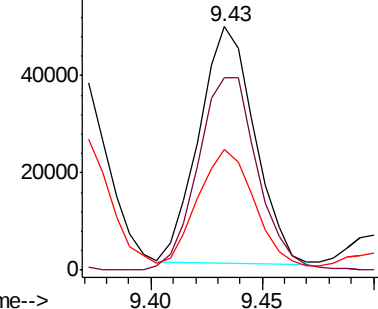
39 53.0 48.5 72.7

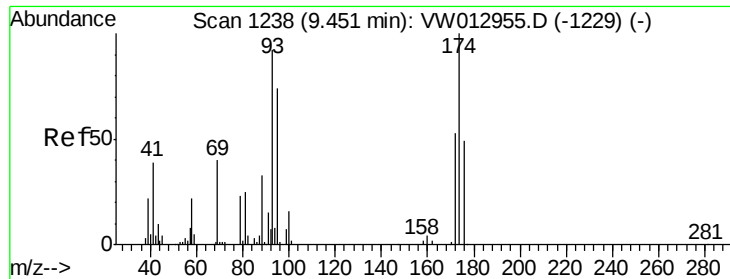


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

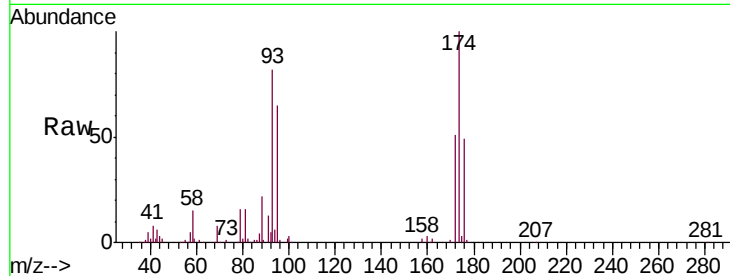




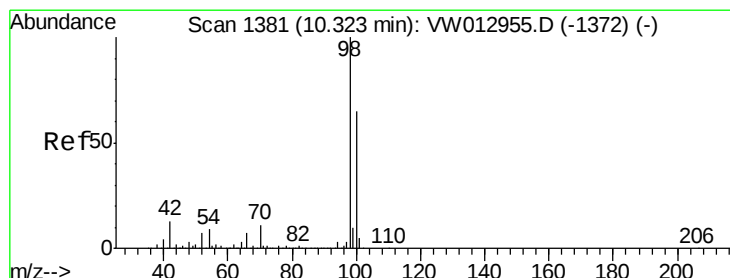
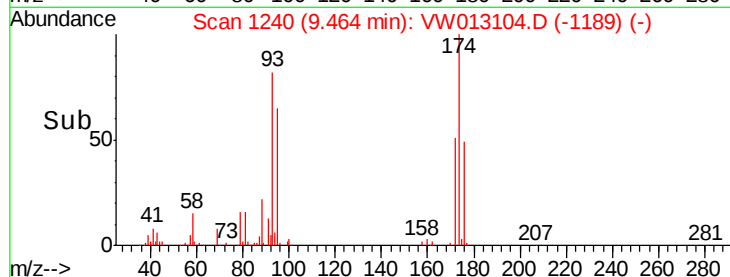
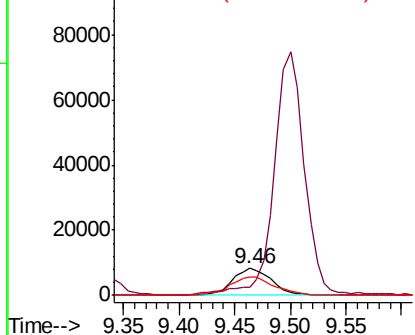
#49
1,4-Dioxane
Concen: 811.811 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.01 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 20021
Ion Ratio Lower Upper
88 100
43 0.0 31.3 46.9#
58 78.2 60.2 90.2

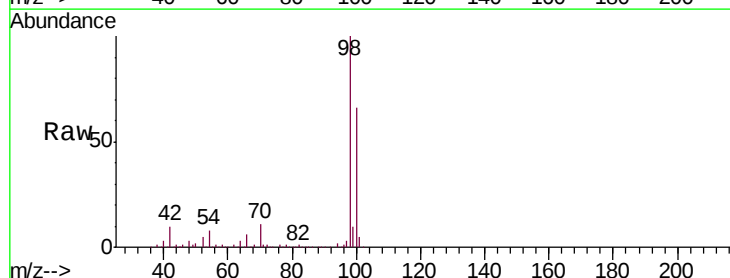


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

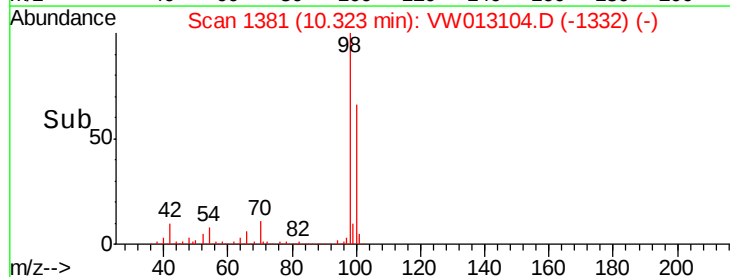
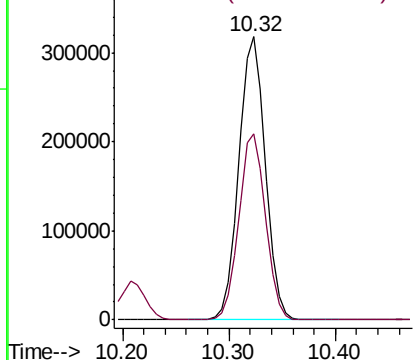


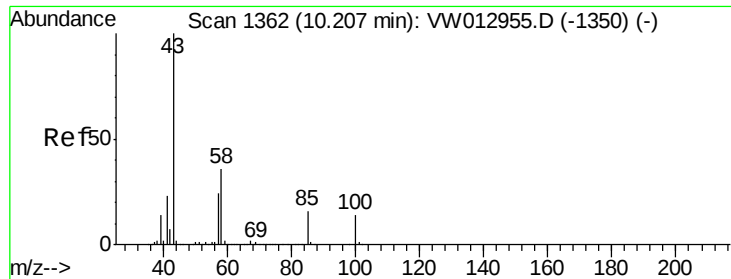
#50
Toluene-d8
Concen: 50.412 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Tgt Ion: 98 Resp: 554817
Ion Ratio Lower Upper
98 100
100 66.4 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 215.514 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

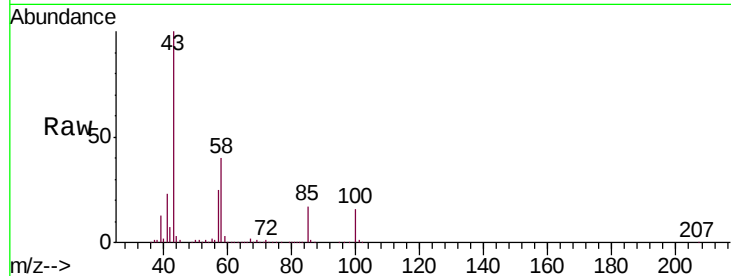
VSTDCCC050

Tgt Ion: 43 Resp: 469664

Ion Ratio Lower Upper

43 100

58 39.7 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

250000

200000

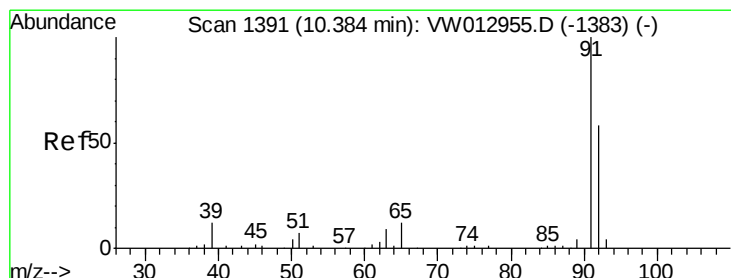
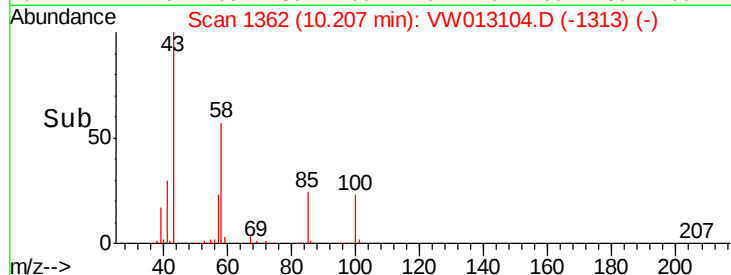
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 50.451 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013104.D

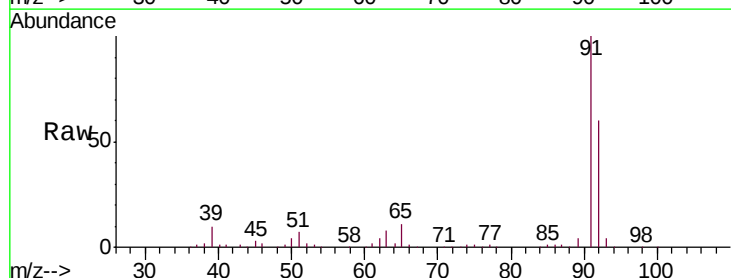
Acq: 18 Sep 2019 10:55

Tgt Ion: 92 Resp: 370684

Ion Ratio Lower Upper

92 100

91 169.6 137.5 206.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.38

400000

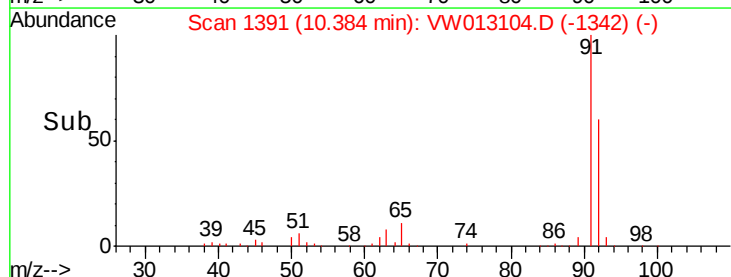
300000

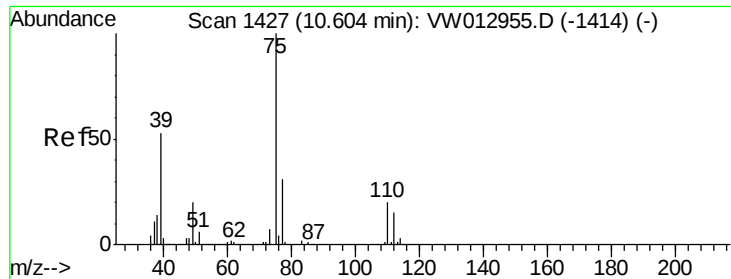
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 47.477 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

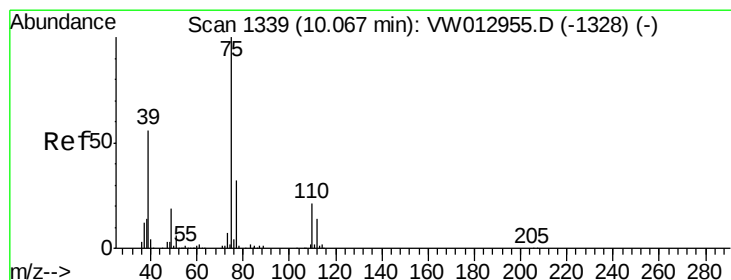
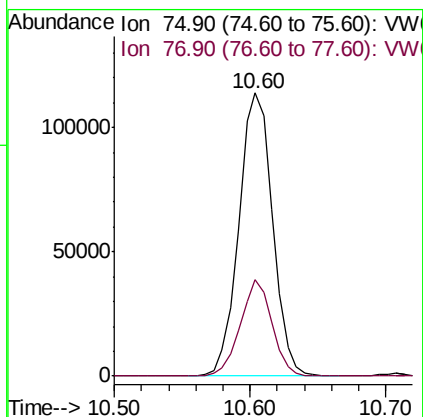
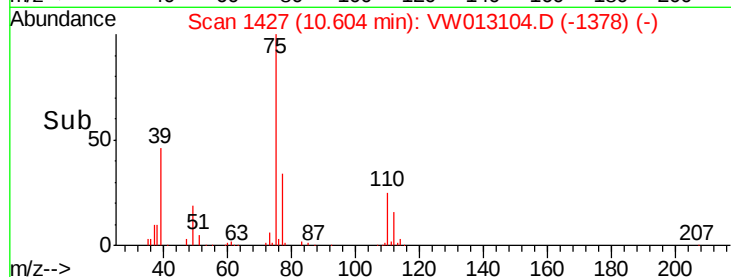
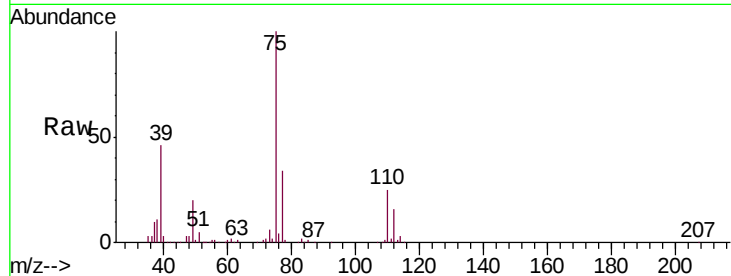
VSTDCCC050

Tgt Ion: 75 Resp: 197127

Ion Ratio Lower Upper

75 100

77 33.7 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 48.999 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

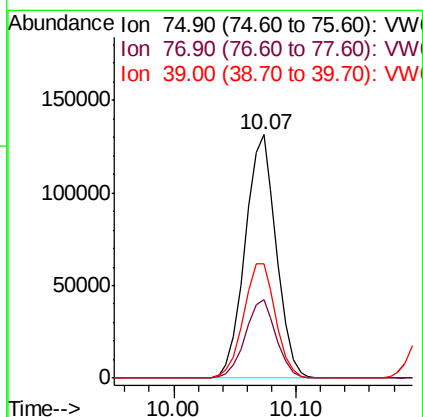
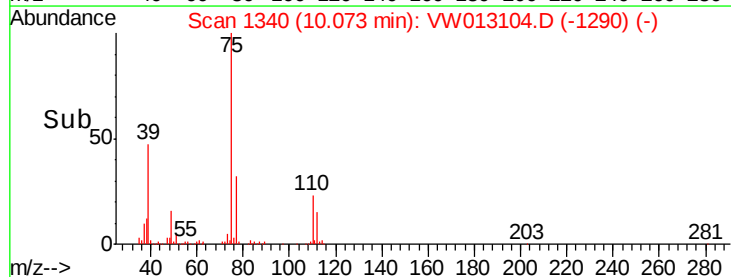
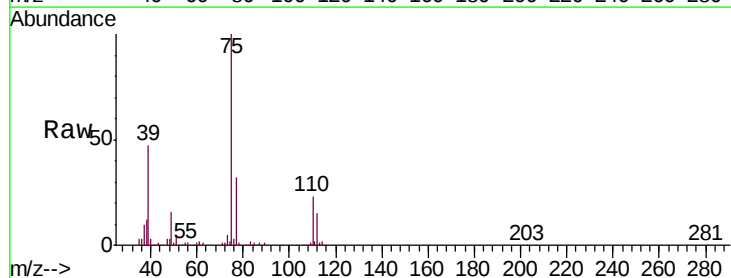
Tgt Ion: 75 Resp: 232780

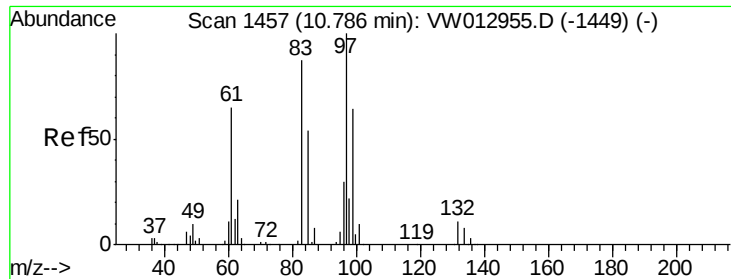
Ion Ratio Lower Upper

75 100

77 32.4 25.5 38.3

39 47.0 45.0 67.6

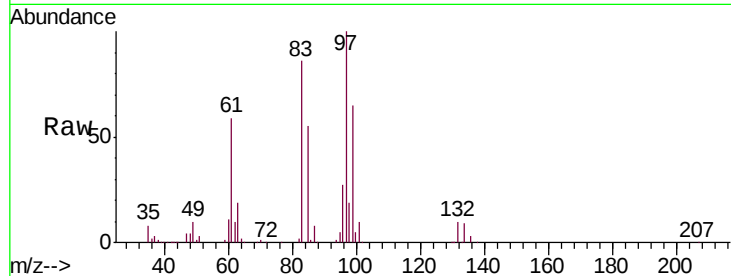




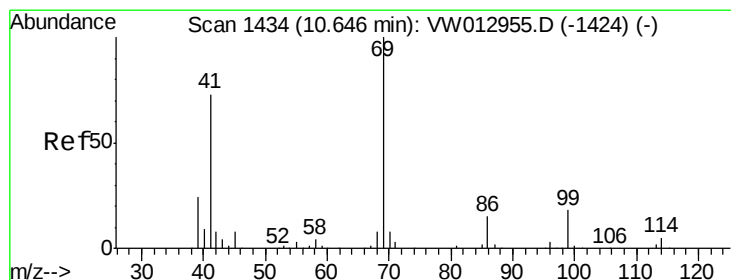
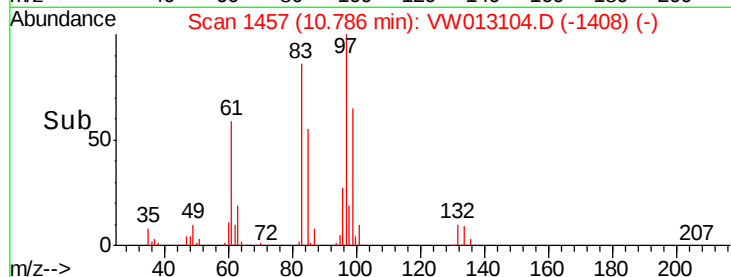
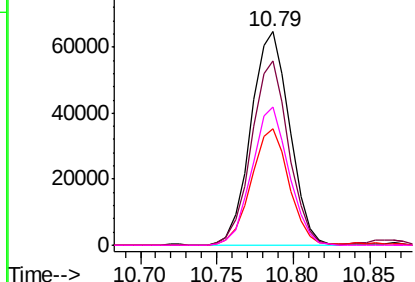
#55
 1,1,2-Trichloroethane
 Concen: 50.479 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013104.D
 Acq: 18 Sep 2019 10:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 97 Resp: 113182
 Ion Ratio Lower Upper
 97 100
 83 86.5 69.4 104.0
 85 54.6 43.3 64.9
 99 64.8 50.9 76.3

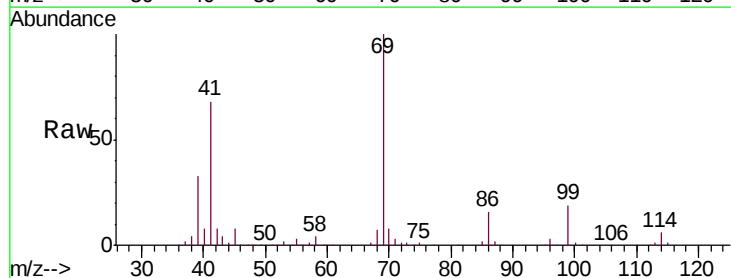


Abundance Ion 96.90 (96.60 to 97.60): VW
 100000 Ion 82.90 (82.60 to 83.60): VW
 80000 Ion 84.90 (84.60 to 85.60): VW
 60000 Ion 98.90 (98.60 to 99.60): VW
 40000
 20000
 0

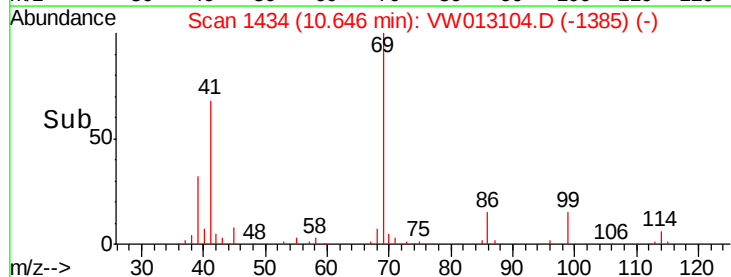
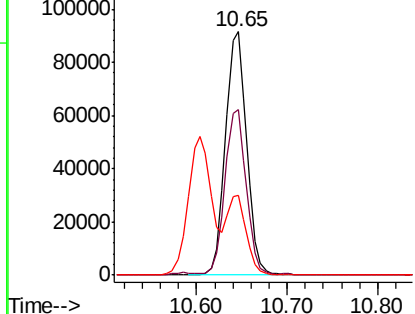


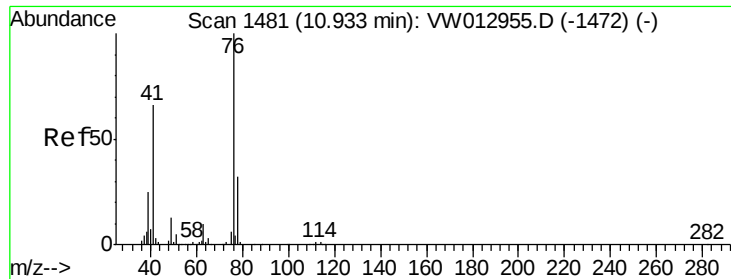
#56
 Ethyl methacrylate
 Concen: 49.442 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW013104.D
 Acq: 18 Sep 2019 10:55

Tgt Ion: 69 Resp: 149216
 Ion Ratio Lower Upper
 69 100
 41 67.6 60.8 91.2
 39 29.4 29.4 44.0



Abundance Ion 69.00 (68.70 to 69.70): VW
 120000 Ion 41.00 (40.70 to 41.70): VW
 100000 Ion 39.00 (38.70 to 39.70): VW
 80000
 60000
 40000
 20000
 0

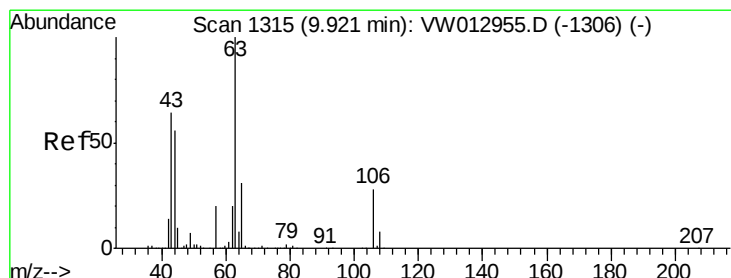
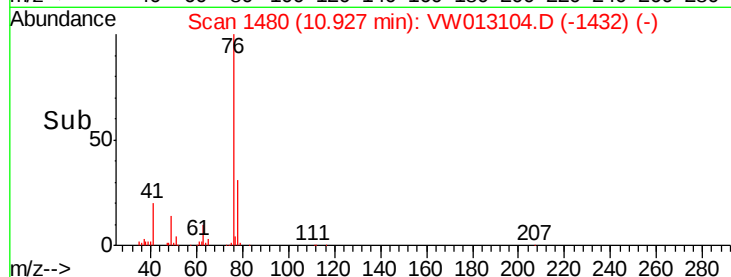
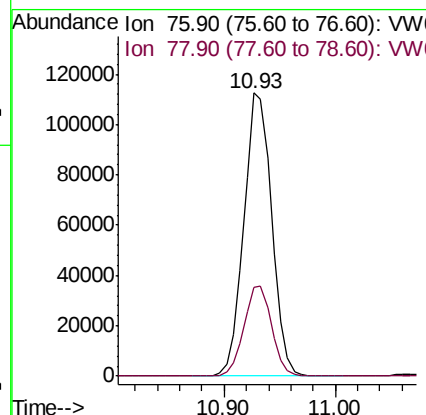
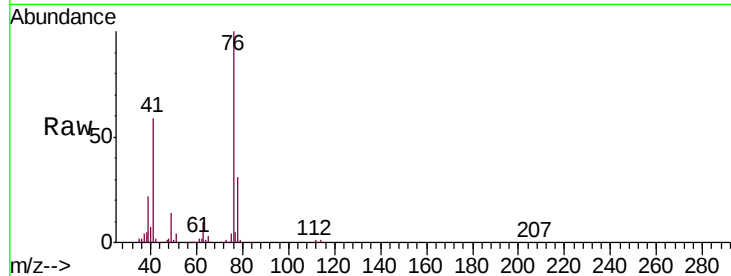




#57
 1,3-Dichloropropane
 Concen: 49.061 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VW013104.D
 Acq: 18 Sep 2019 10:55

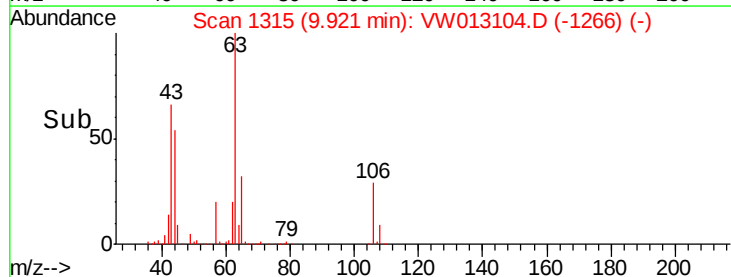
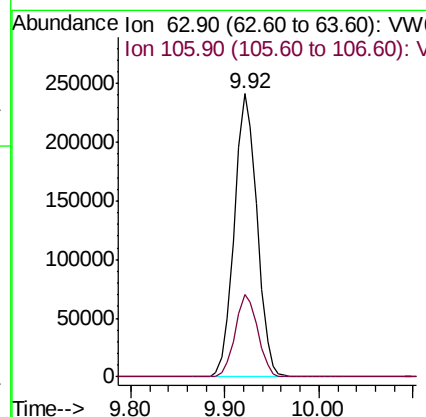
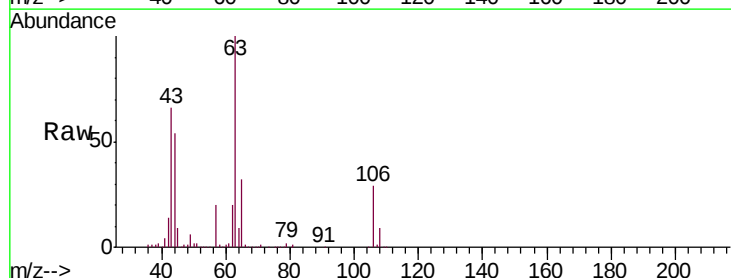
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

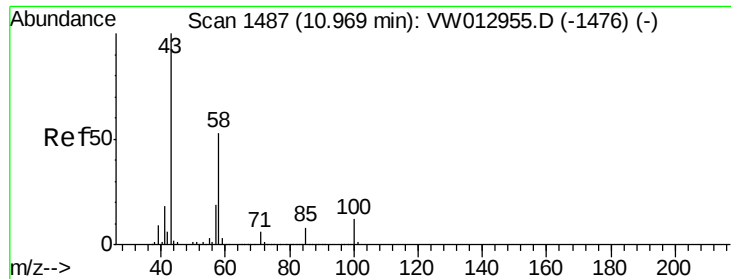
Tgt Ion: 76 Resp: 195135
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 249.474 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013104.D
 Acq: 18 Sep 2019 10:55

Tgt Ion: 63 Resp: 403885
 Ion Ratio Lower Upper
 63 100
 106 28.9 22.2 33.2

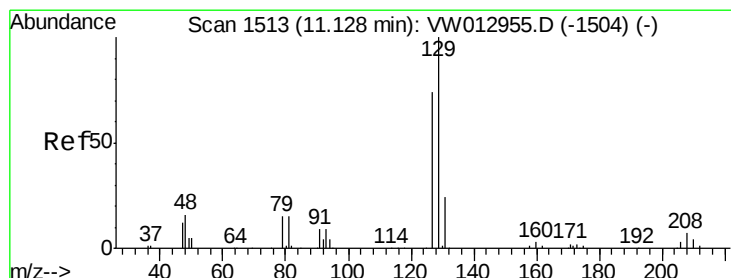
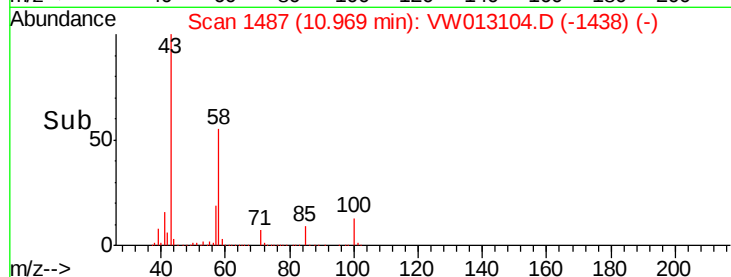
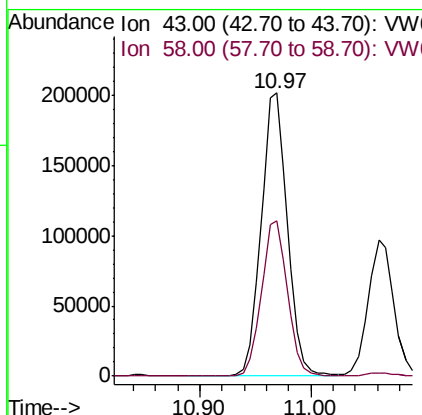
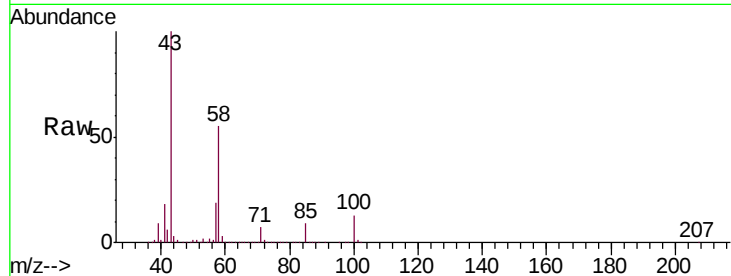




#59
2-Hexanone
Concen: 218.115 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

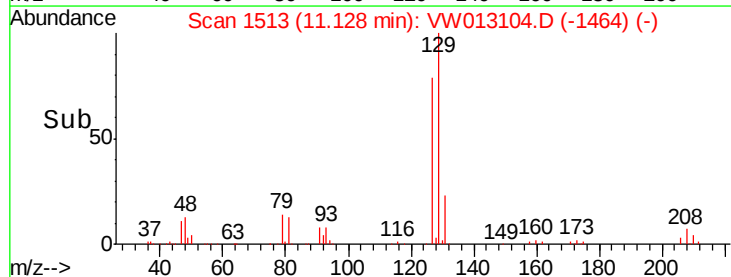
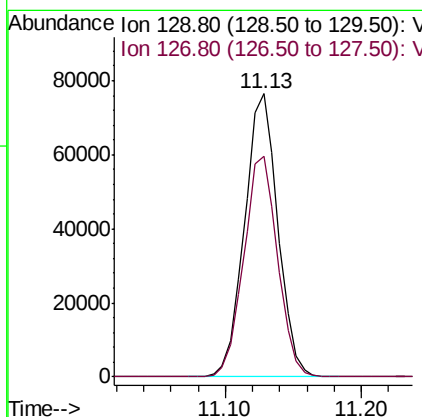
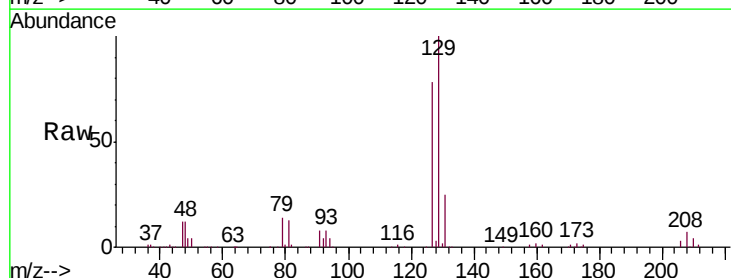
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

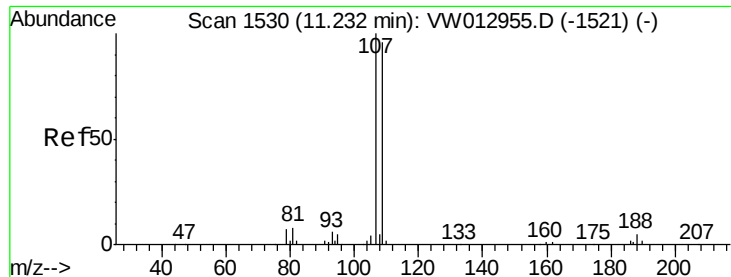
Tgt Ion: 43 Resp: 330979
Ion Ratio Lower Upper
43 100
58 54.6 25.8 77.3



#60
Dibromochloromethane
Concen: 48.308 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Tgt Ion: 129 Resp: 130951
Ion Ratio Lower Upper
129 100
127 79.1 37.4 112.2

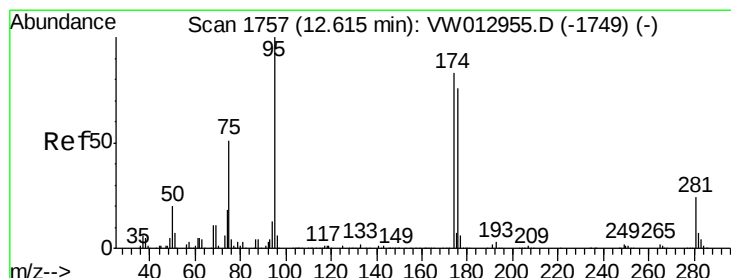
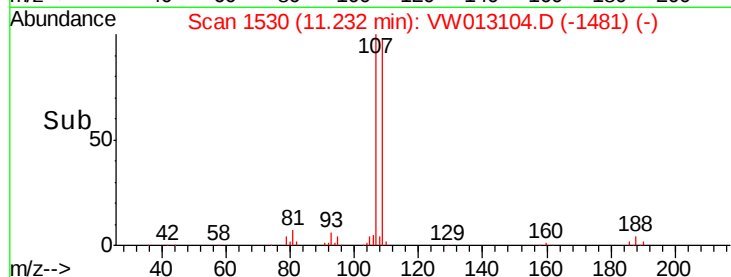
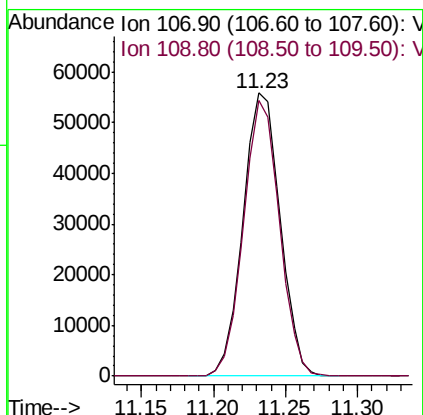
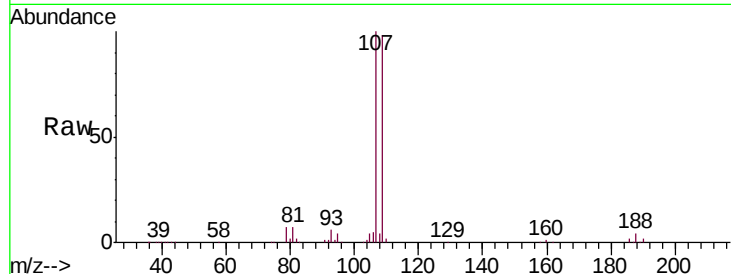




#61
 1,2-Dibromoethane
 Concen: 48.656 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW013104.D
 Acq: 18 Sep 2019 10:55

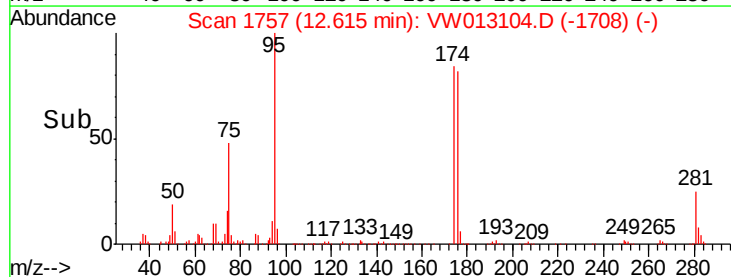
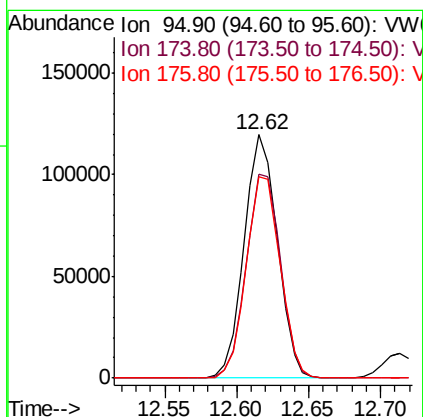
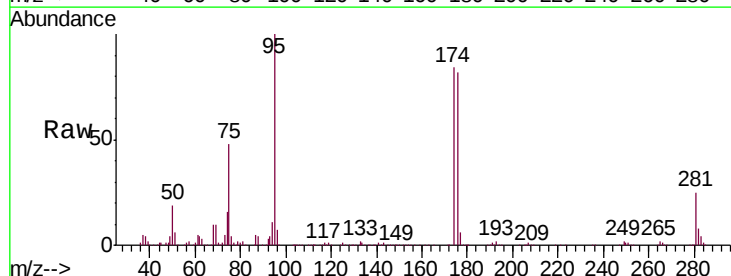
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

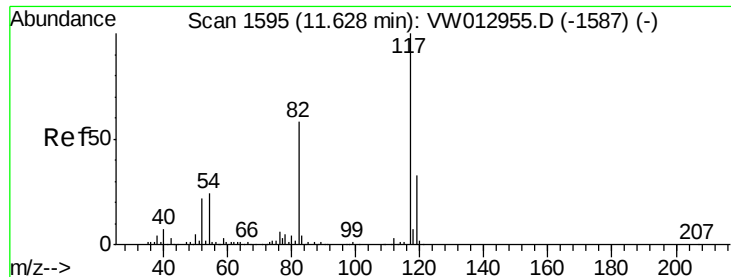
Tgt Ion: 107 Resp: 99520
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 48.242 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013104.D
 Acq: 18 Sep 2019 10:55

Tgt Ion: 95 Resp: 190912
 Ion Ratio Lower Upper
 95 100
 174 86.4 0.0 170.4
 176 84.6 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: VW013104.D

Acq: 18 Sep 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

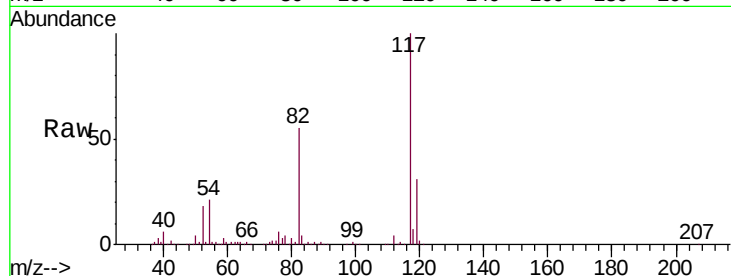
Tgt Ion:117 Resp: 443996

Ion Ratio Lower Upper

117 100

82 55.4 46.3 69.5

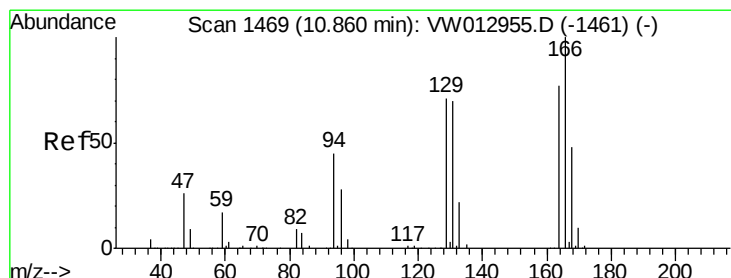
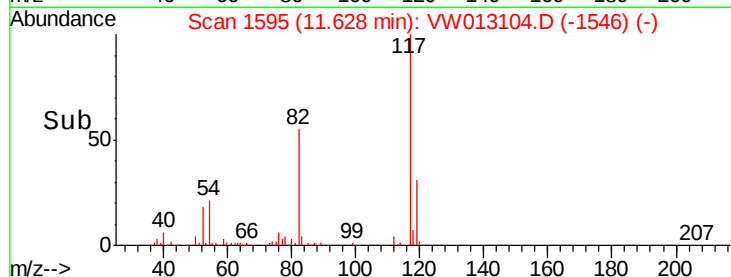
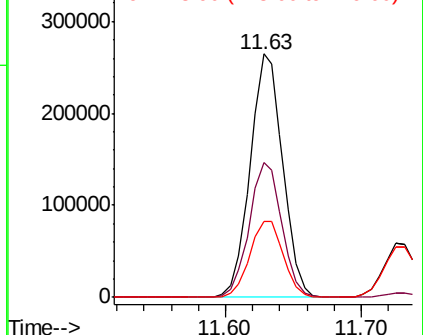
119 31.3 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 49.976 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Tgt Ion:164 Resp: 132003

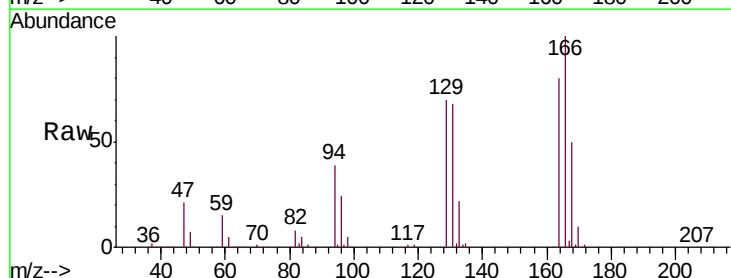
Ion Ratio Lower Upper

164 100

166 125.2 103.3 154.9

129 87.2 73.8 110.8

131 85.7 72.0 108.0

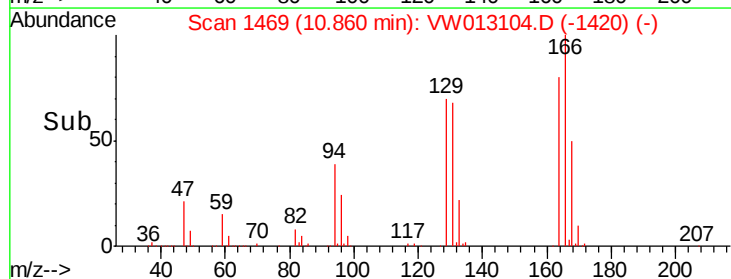
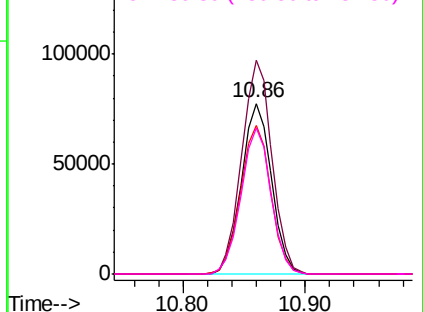


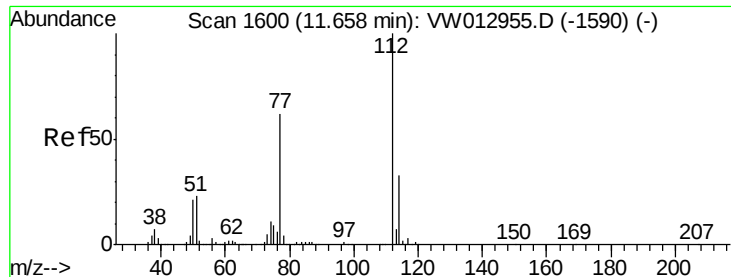
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

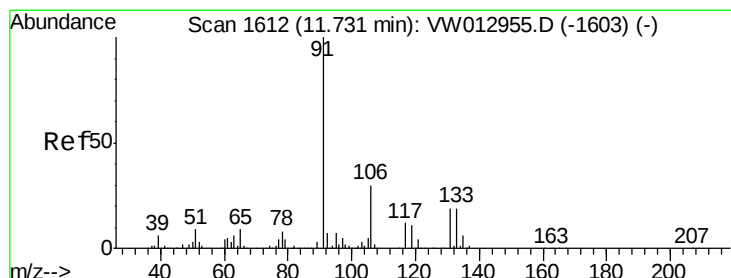
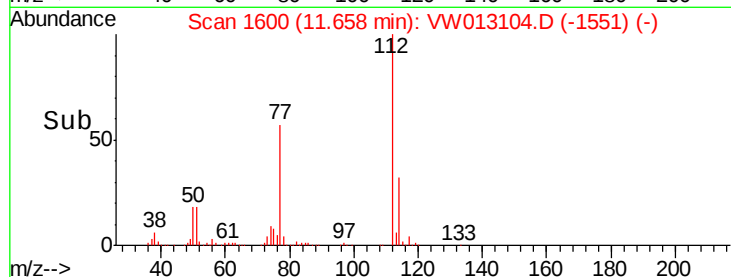
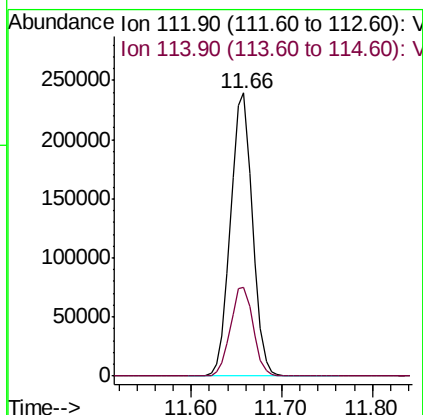
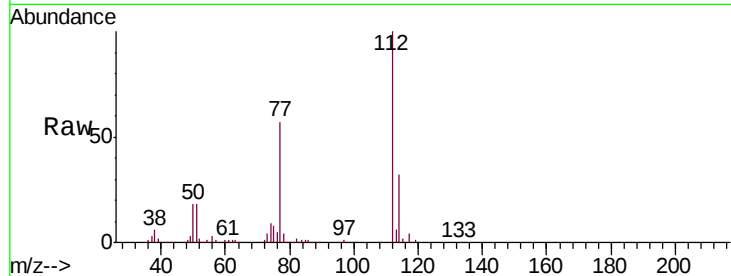




#65
Chlorobenzene
Concen: 50.673 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

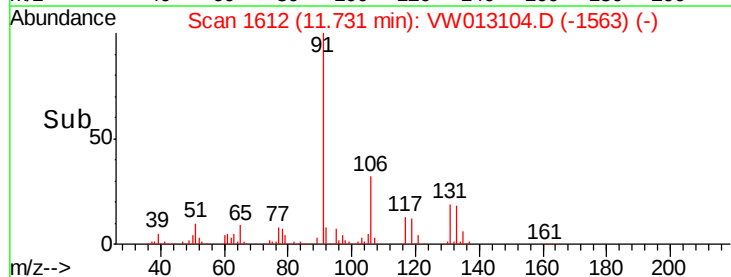
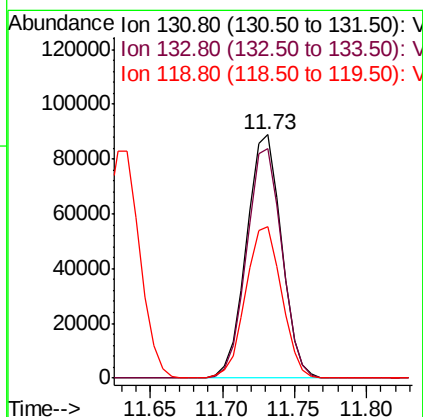
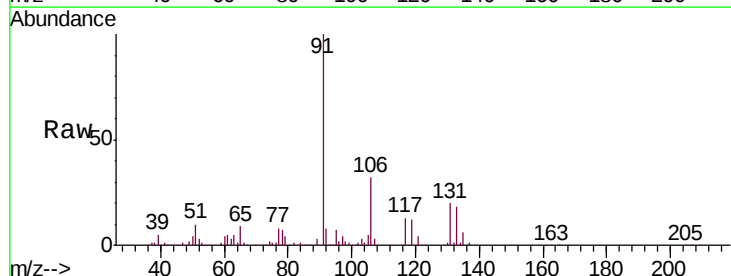
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

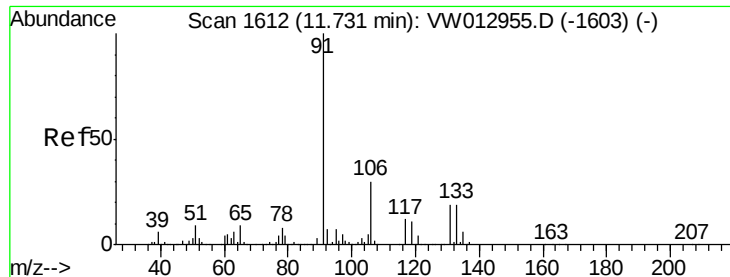
Tgt Ion:112 Resp: 400750
Ion Ratio Lower Upper
112 100
114 31.5 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 49.368 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Tgt Ion:131 Resp: 149620
Ion Ratio Lower Upper
131 100
133 94.7 47.9 143.8
119 63.9 30.9 92.7

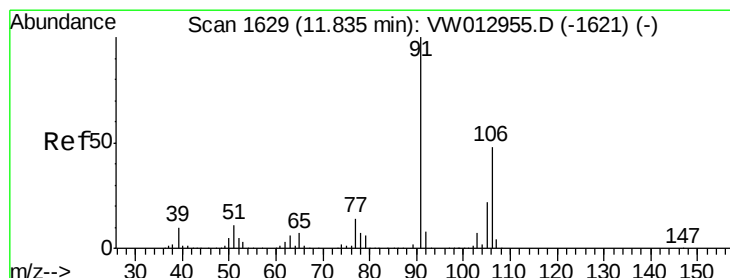
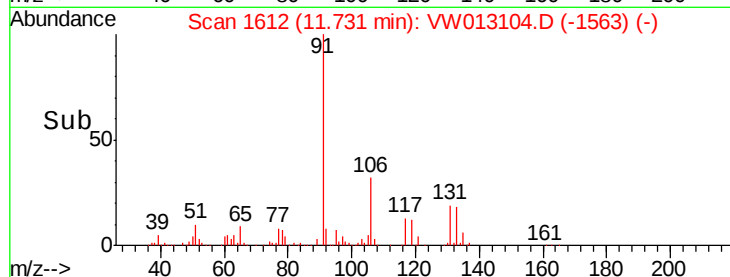
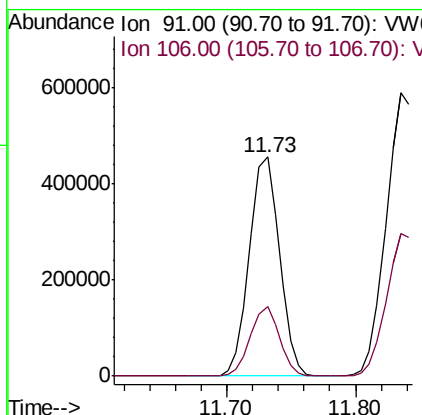
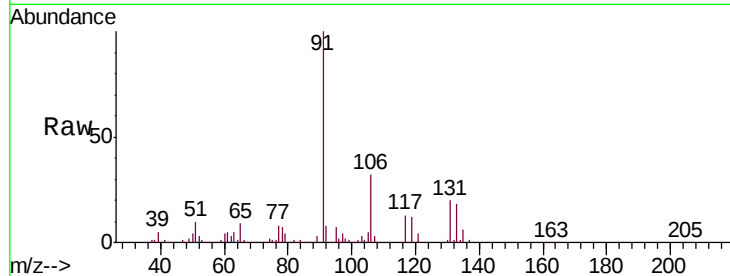




#67
Ethyl Benzene
Concen: 50.472 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

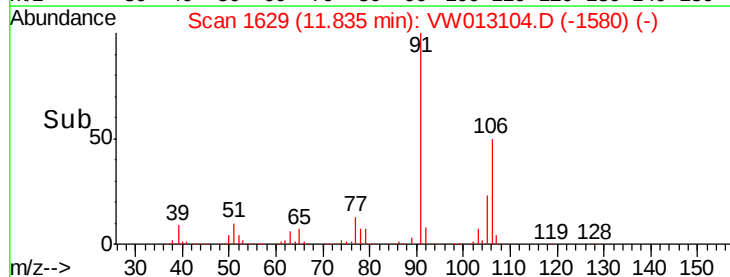
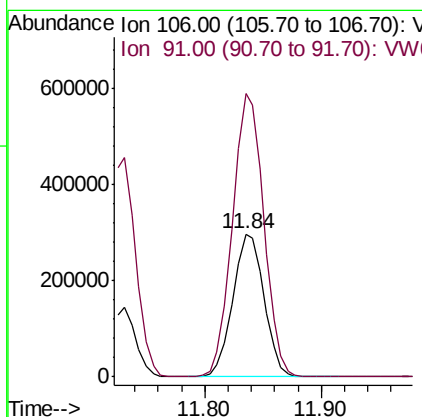
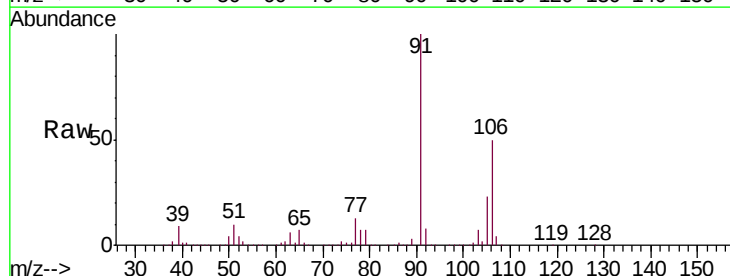
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

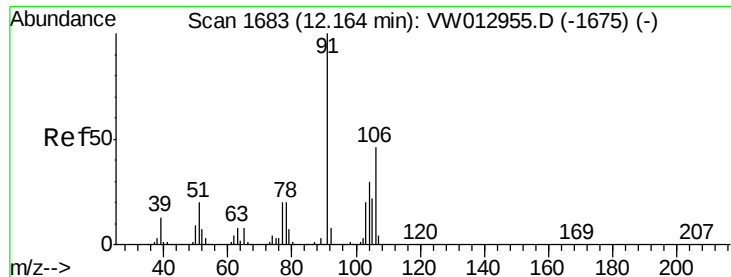
Tgt Ion: 91 Resp: 737200
Ion Ratio Lower Upper
91 100
106 31.6 24.3 36.5



#68
m/p-Xylenes
Concen: 103.766 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Tgt Ion: 106 Resp: 553681
Ion Ratio Lower Upper
106 100
91 199.2 165.8 248.8

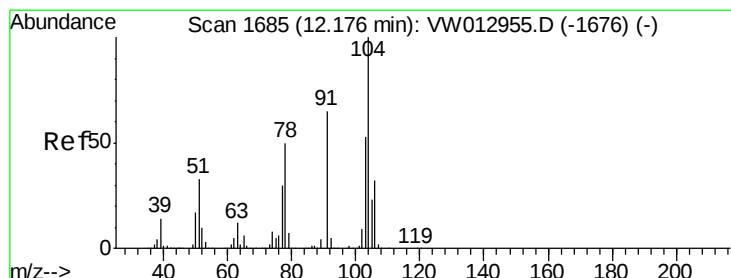
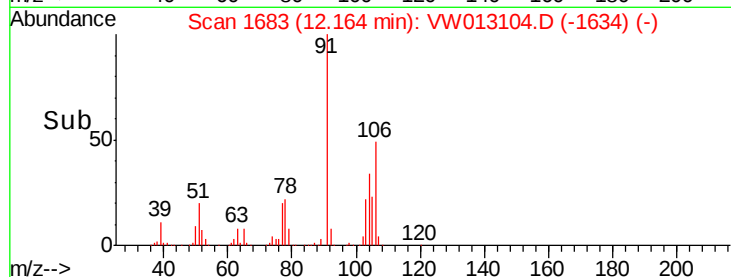
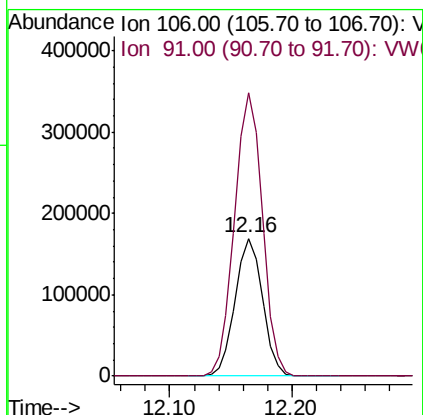
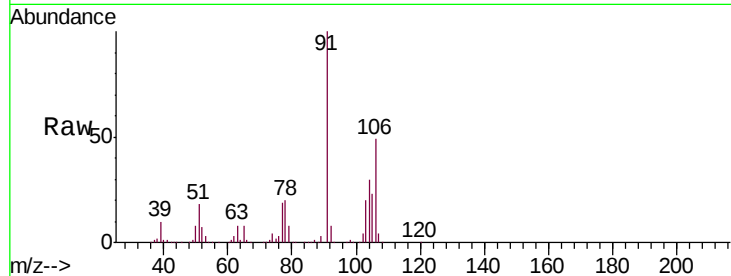




#69
o-Xylene
Concen: 52.507 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

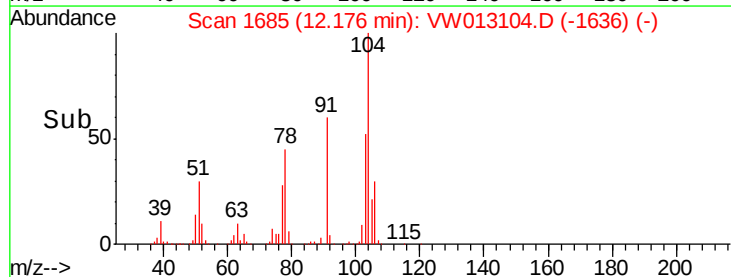
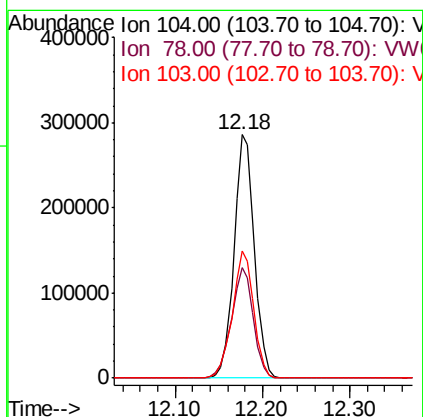
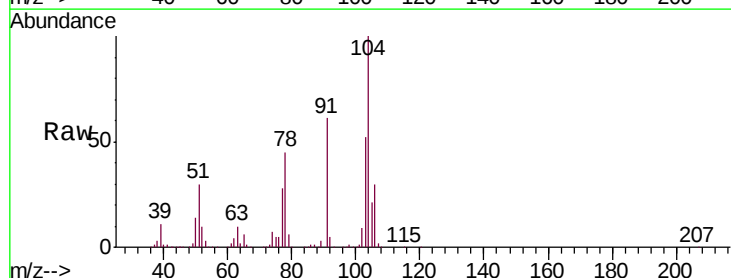
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

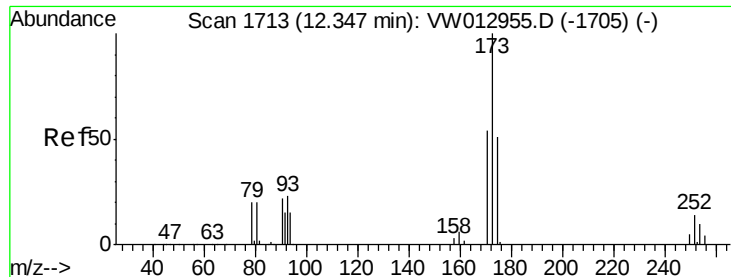
Tgt Ion:106 Resp: 262665
Ion Ratio Lower Upper
106 100
91 209.1 109.7 329.0



#70
Styrene
Concen: 52.033 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Tgt Ion:104 Resp: 463036
Ion Ratio Lower Upper
104 100
78 48.6 42.1 63.1
103 54.7 44.2 66.4

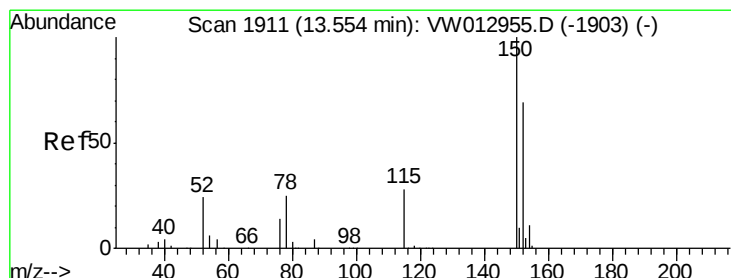
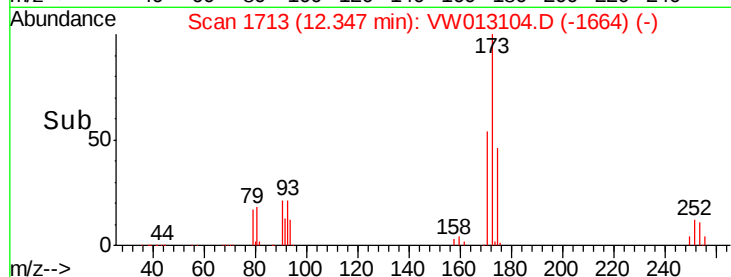
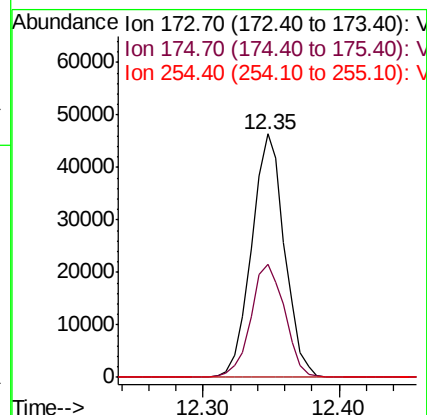
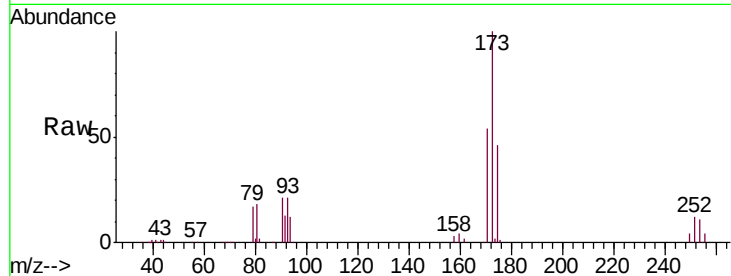




#71
Bromoform
Concen: 49.409 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

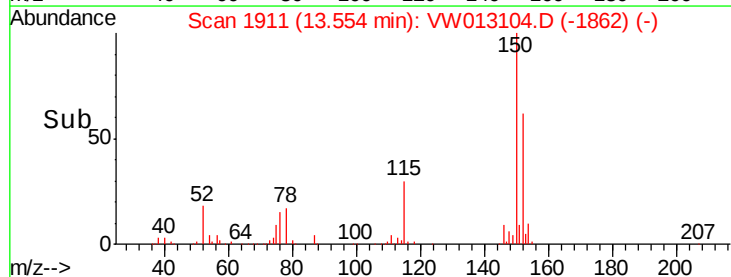
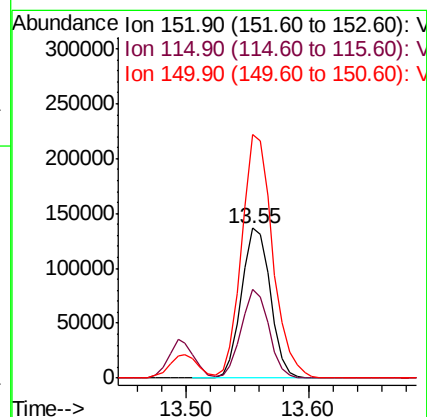
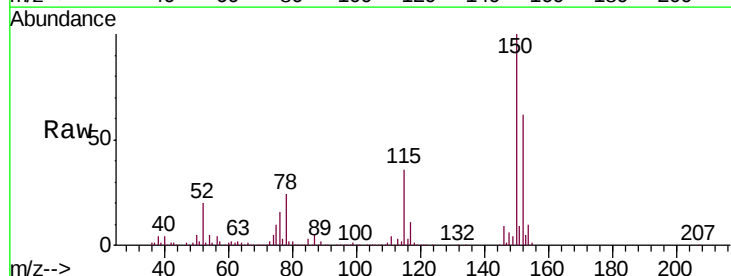
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

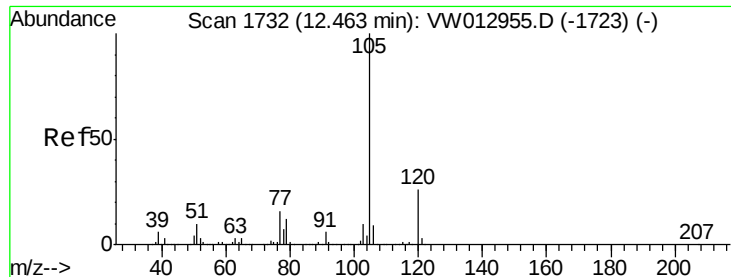
Tgt Ion:173 Resp: 78656
Ion Ratio Lower Upper
173 100
175 47.7 24.2 72.6
254 0.2 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Tgt Ion:152 Resp: 223270
Ion Ratio Lower Upper
152 100
115 56.4 28.8 86.4
150 173.5 0.0 340.2





#73

Isopropylbenzene

Concen: 49.894 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

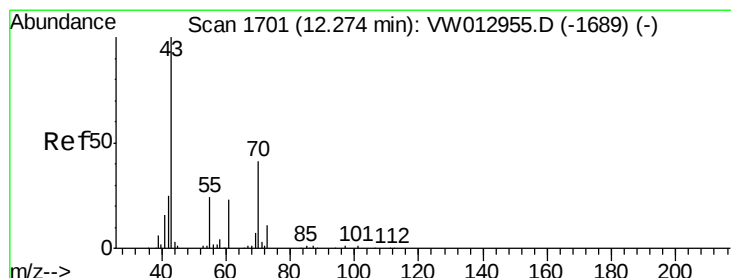
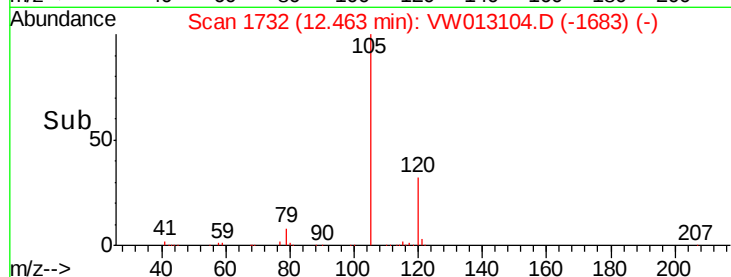
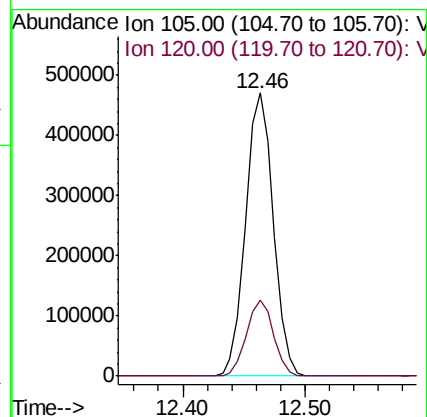
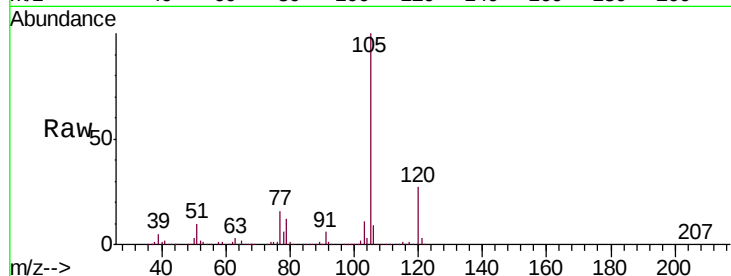
VSTDCCC050

Tgt Ion: 105 Resp: 738375

Ion Ratio Lower Upper

105 100

120 26.4 13.0 39.0



#74

N-ethyl acetate

Concen: 45.236 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Tgt Ion: 43 Resp: 172210

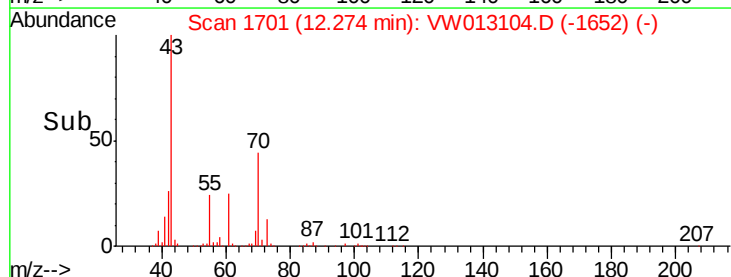
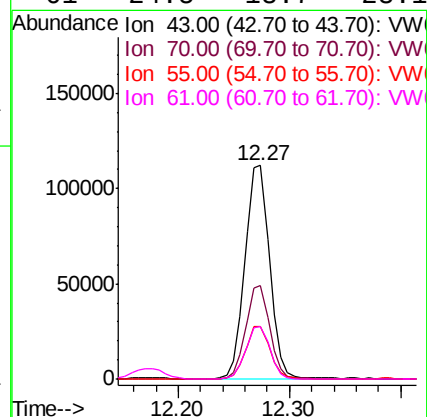
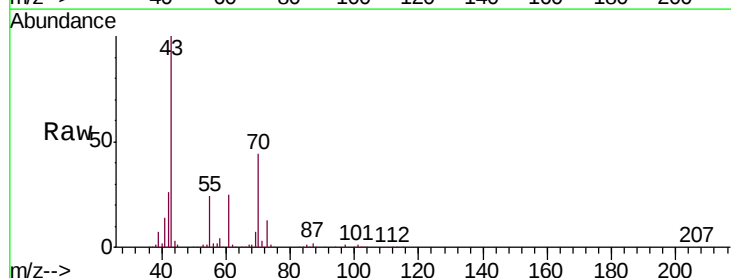
Ion Ratio Lower Upper

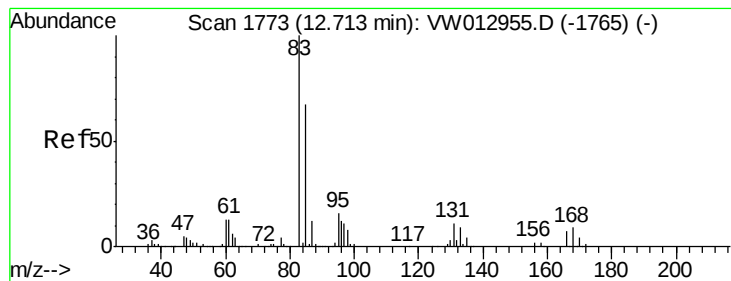
43 100

70 42.9 31.7 47.5

55 24.4 19.4 29.2

61 24.5 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 49.061 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

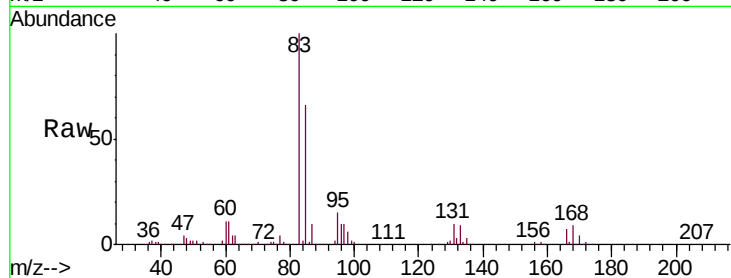
Tgt Ion: 83 Resp: 127521

Ion Ratio Lower Upper

83 100

131 10.9 5.7 17.1

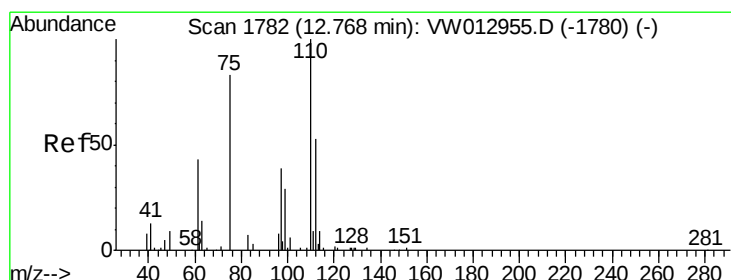
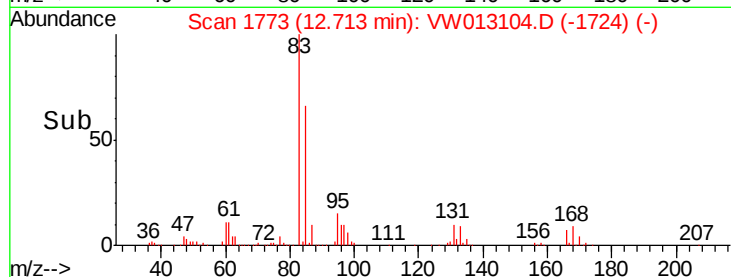
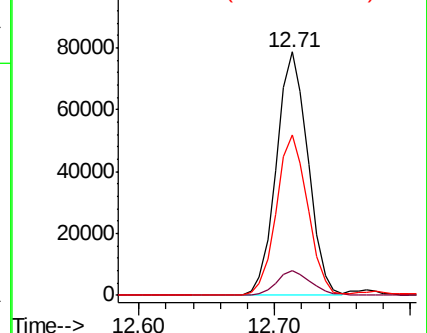
85 65.3 31.4 94.3



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: 82.894 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013104.D

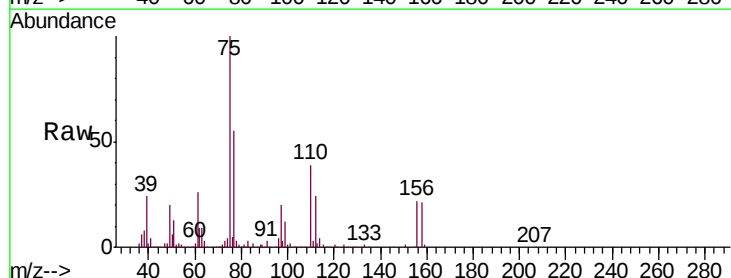
Acq: 18 Sep 2019 10:55

Tgt Ion: 75 Resp: 162114

Ion Ratio Lower Upper

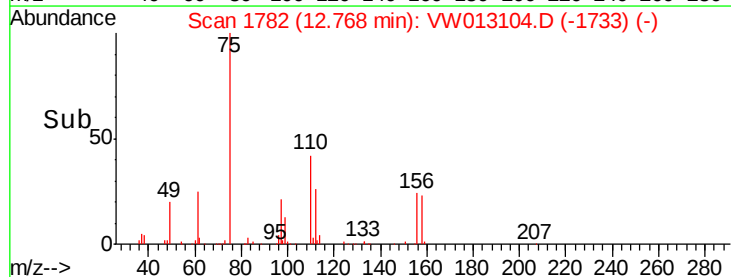
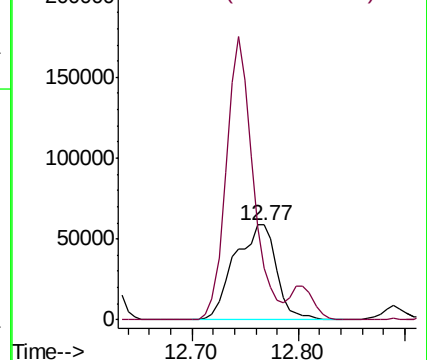
75 100

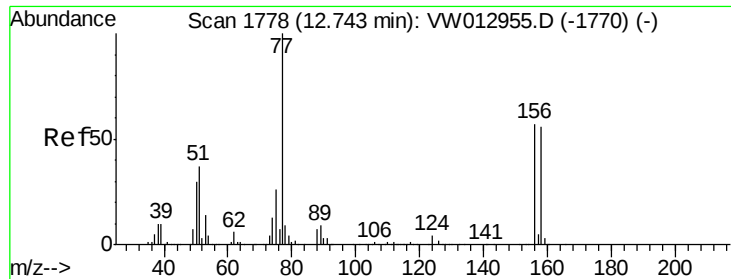
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 50.794 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

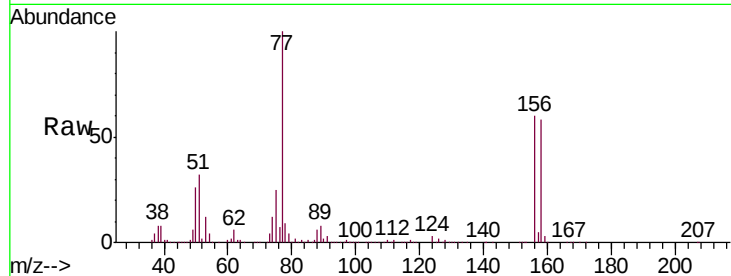
Tgt Ion:156 Resp: 173172

Ion Ratio Lower Upper

156 100

77 179.6 95.2 285.6

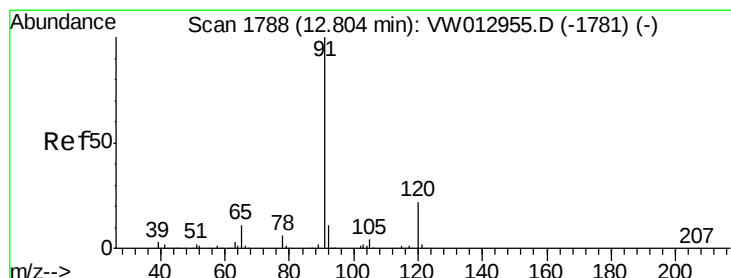
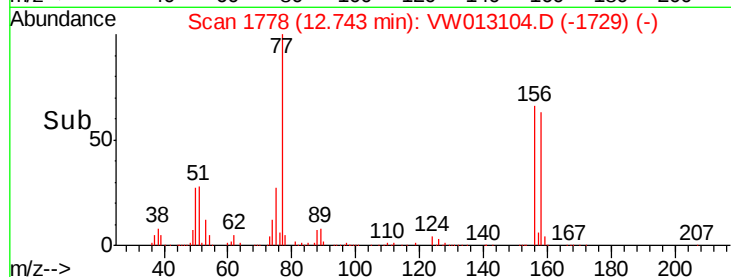
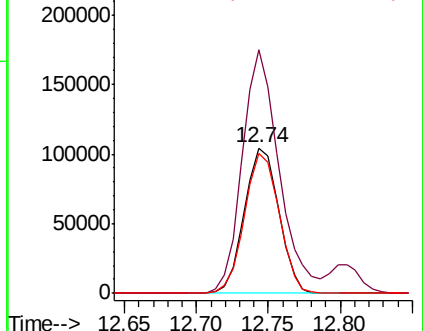
158 96.8 49.0 147.2



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: 50.129 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013104.D

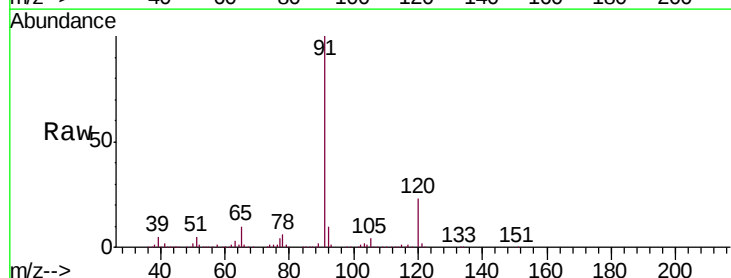
Acq: 18 Sep 2019 10:55

Tgt Ion: 91 Resp: 872647

Ion Ratio Lower Upper

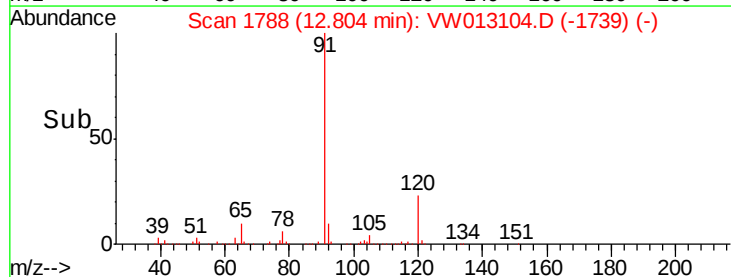
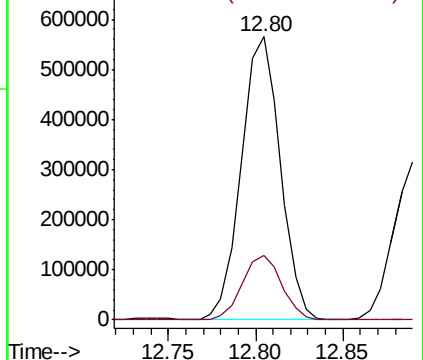
91 100

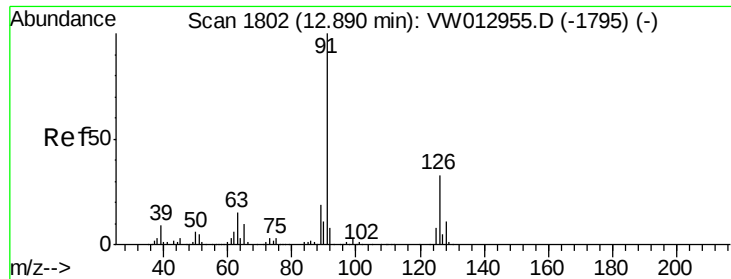
120 23.3 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

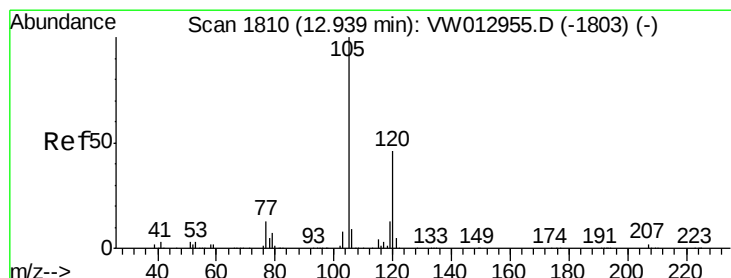
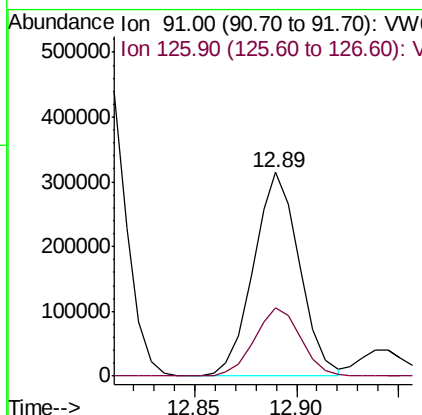
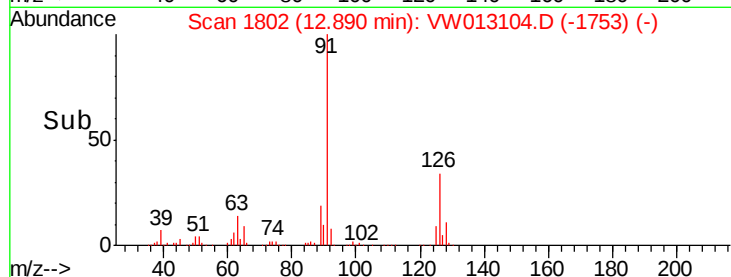
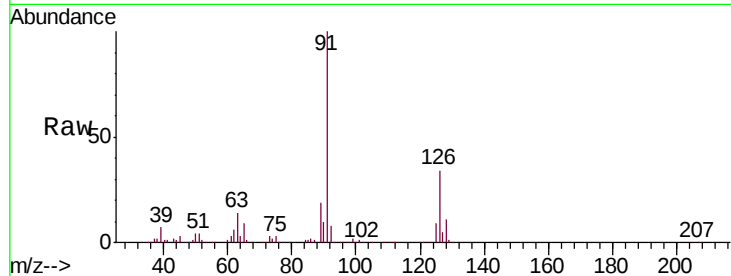




#79
2-Chlorotoluene
Concen: 49.061 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

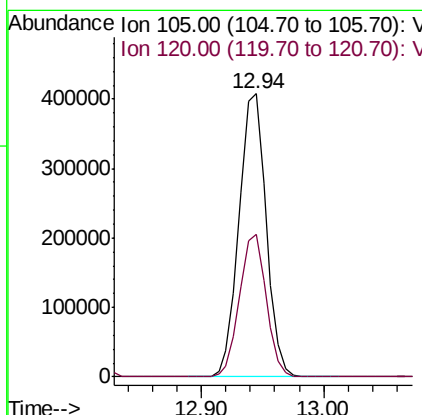
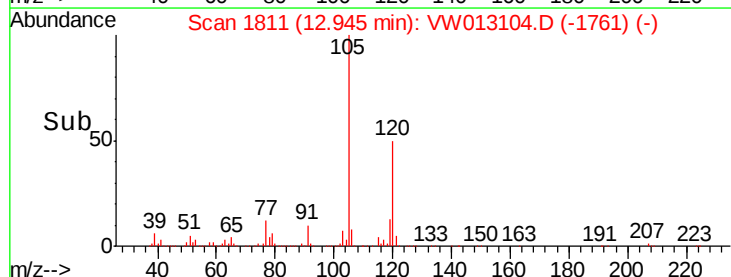
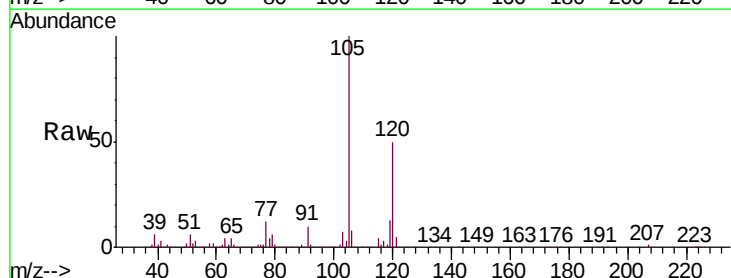
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

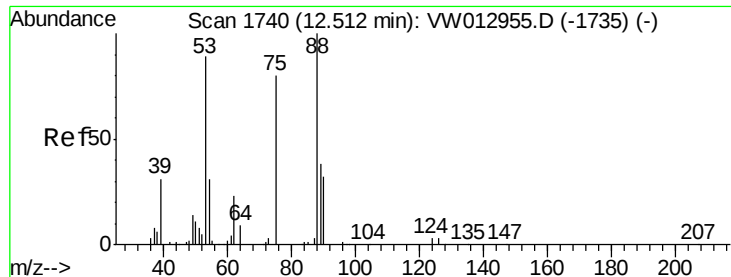
Tgt Ion: 91 Resp: 490955
Ion Ratio Lower Upper
91 100
126 33.8 16.5 49.5



#80
1,3,5-Trimethylbenzene
Concen: 49.981 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.01 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Tgt Ion: 105 Resp: 625757
Ion Ratio Lower Upper
105 100
120 49.8 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 48.755 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

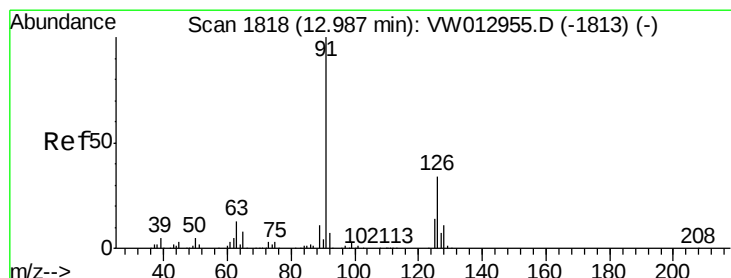
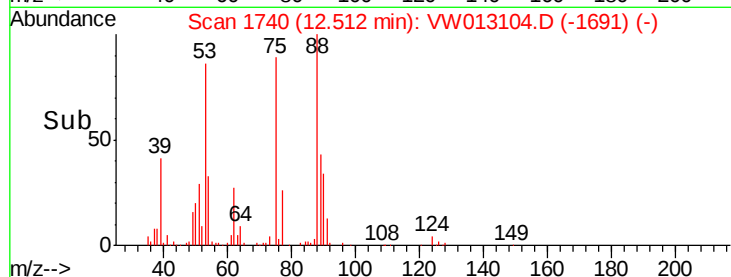
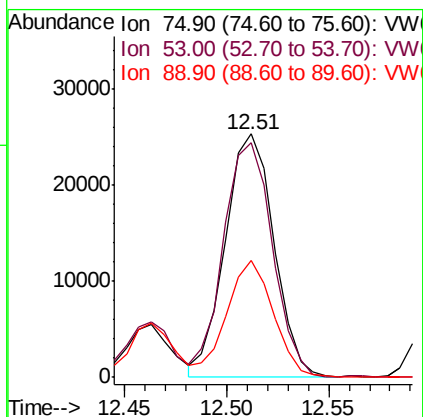
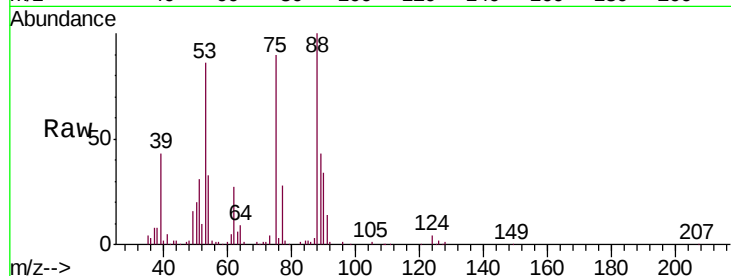
Tgt Ion: 75 Resp: 42032

Ion Ratio Lower Upper

75 100

53 96.3 85.6 128.4

89 46.2 37.2 55.8



#82

4-Chlorotoluene

Concen: 48.900 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW013104.D

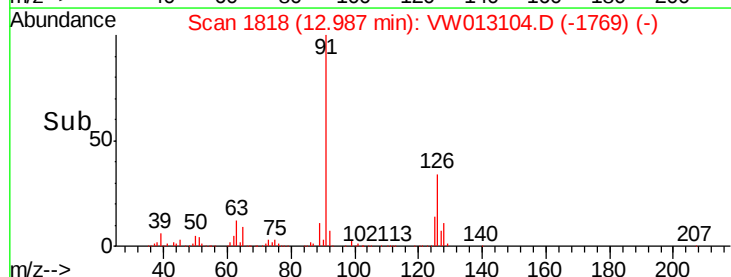
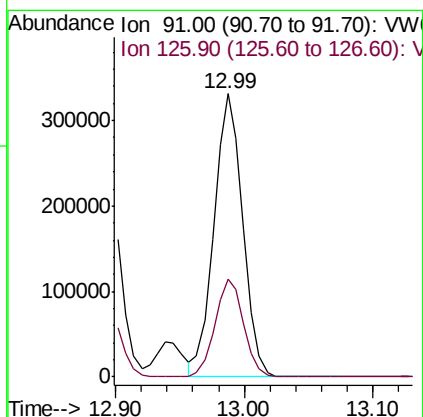
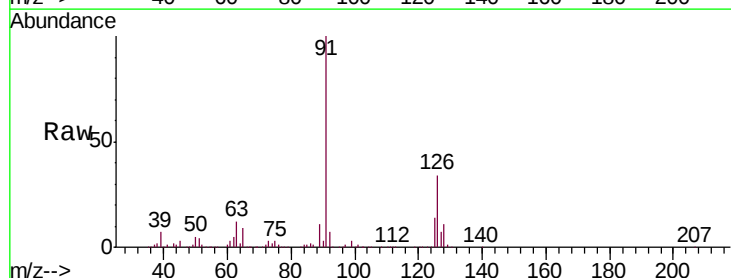
Acq: 18 Sep 2019 10:55

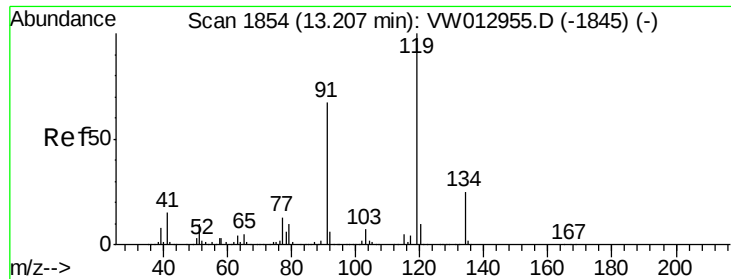
Tgt Ion: 91 Resp: 516318

Ion Ratio Lower Upper

91 100

126 34.4 16.1 48.3

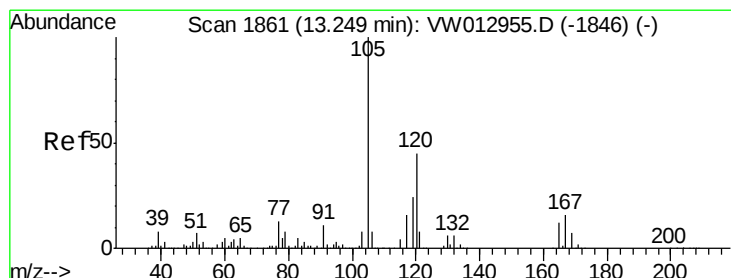
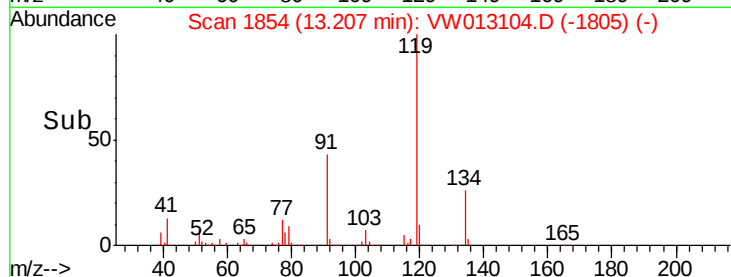
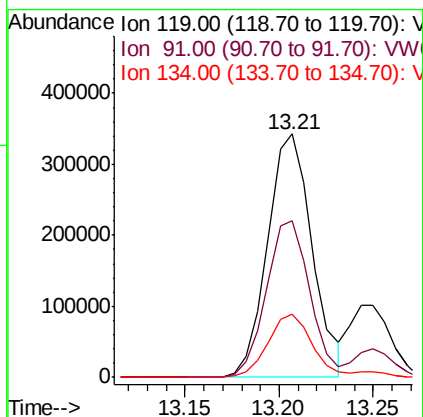
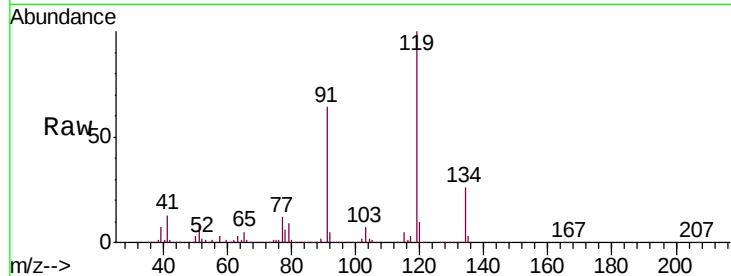




#83
tert-Butylbenzene
Concen: 50.351 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

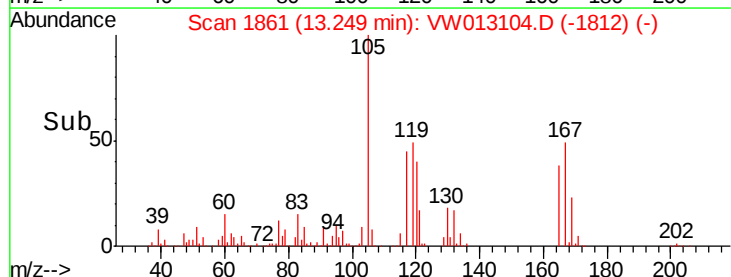
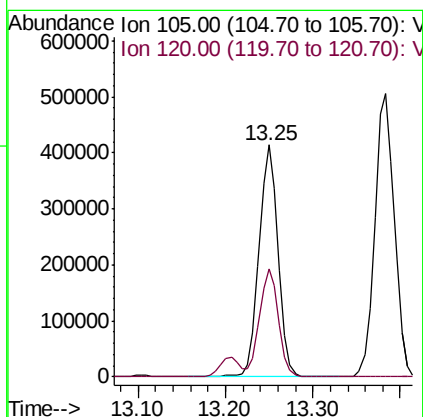
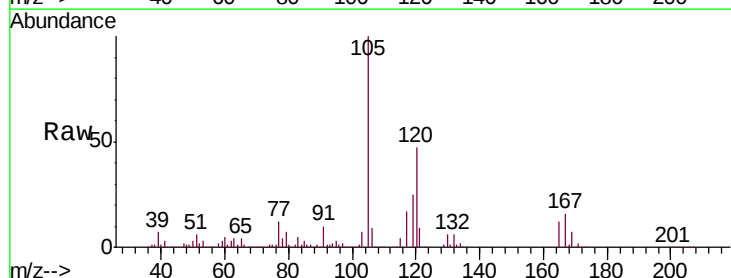
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

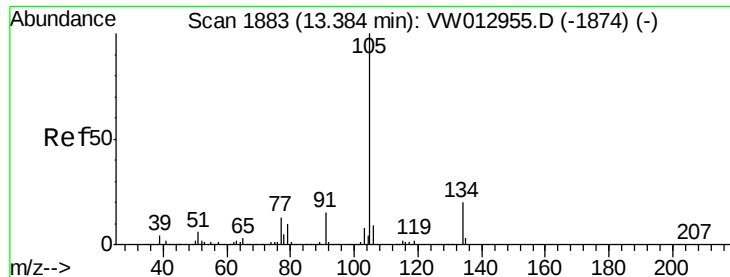
Tgt Ion:119 Resp: 563865
Ion Ratio Lower Upper
119 100
91 62.7 32.6 98.0
134 25.5 12.4 37.4



#84
1,2,4-Trimethylbenzene
Concen: 50.334 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Tgt Ion:105 Resp: 622717
Ion Ratio Lower Upper
105 100
120 45.6 21.9 65.7





#85

sec-Butylbenzene

Concen: 51.068 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

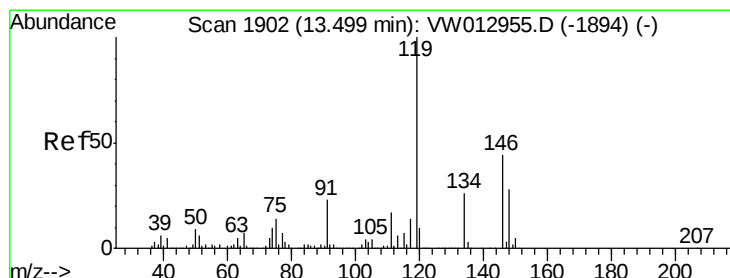
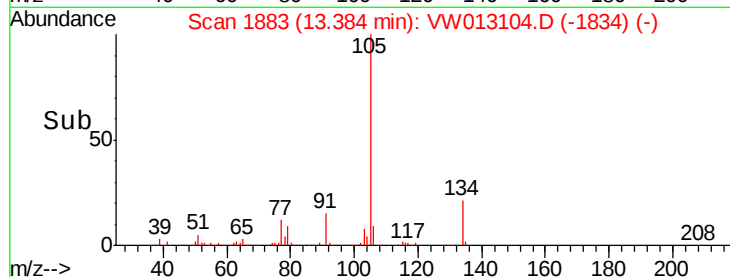
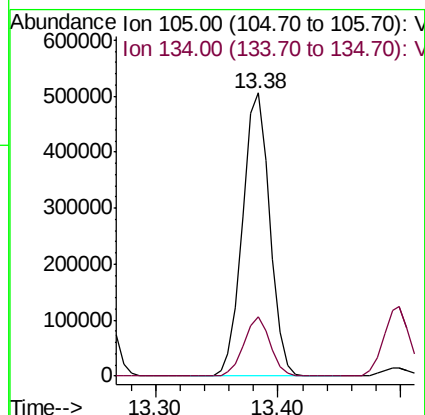
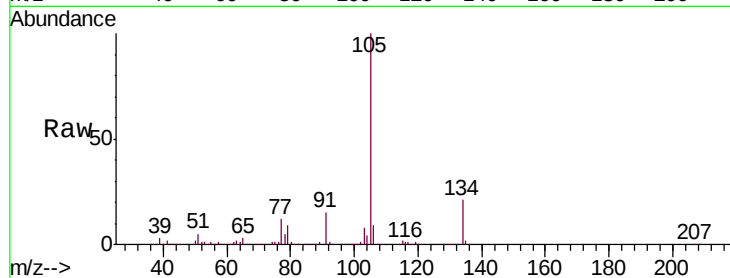
VSTDCCC050

Tgt Ion:105 Resp: 779172

Ion Ratio Lower Upper

105 100

134 20.3 10.2 30.4



#86

p-Isopropyltoluene

Concen: 50.680 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

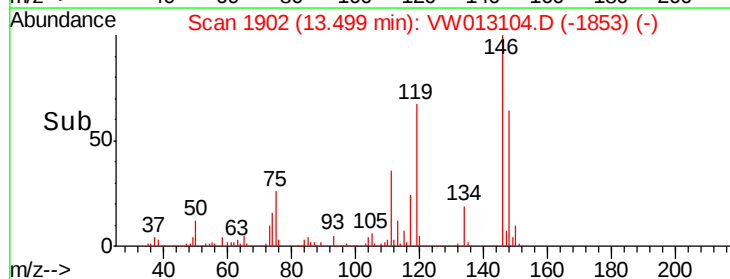
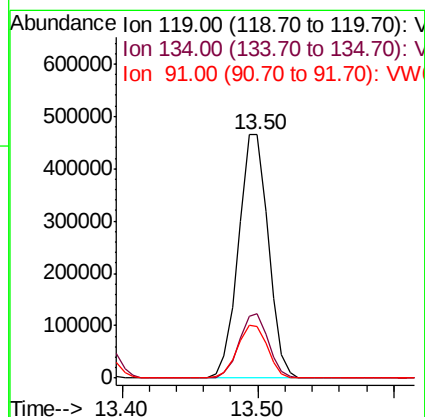
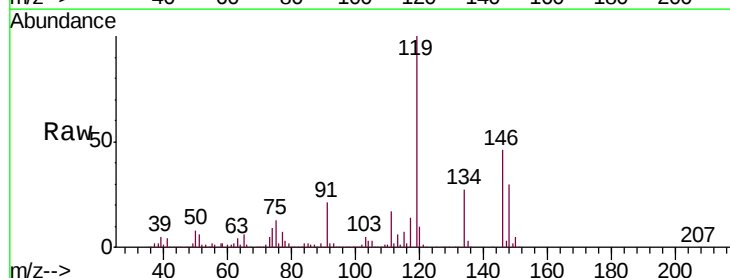
Tgt Ion:119 Resp: 709927

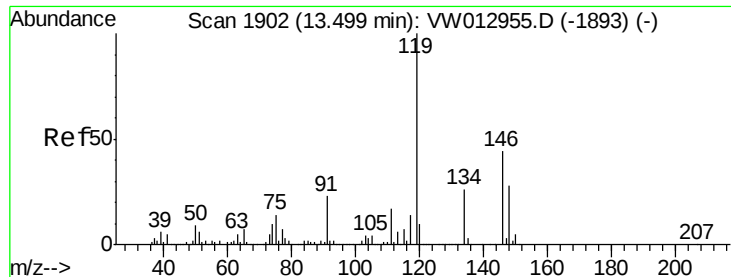
Ion Ratio Lower Upper

119 100

134 26.1 12.8 38.3

91 21.9 11.8 35.4

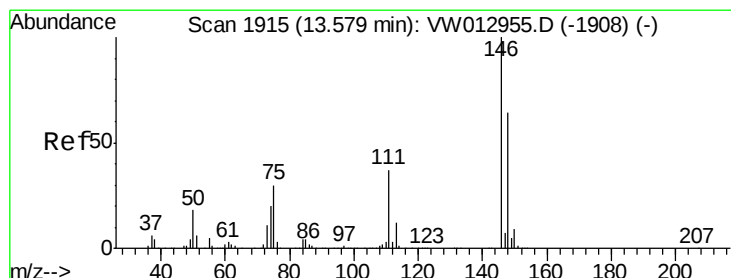
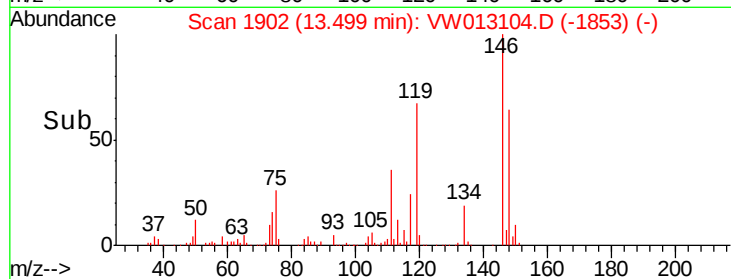
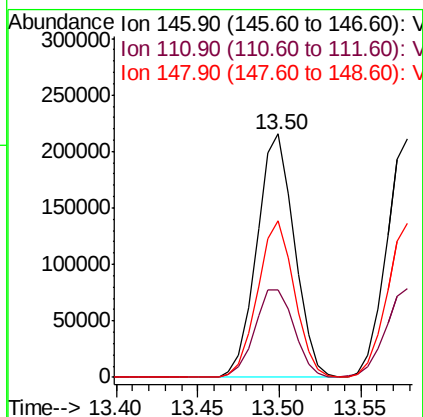
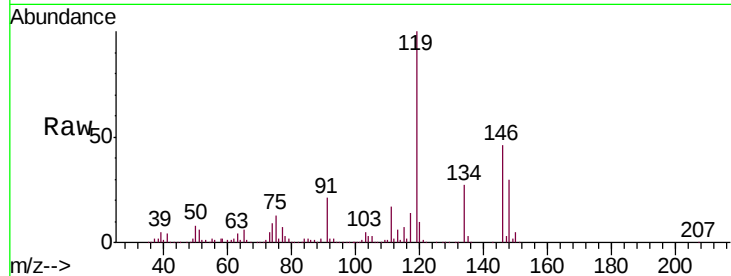




#87
 1,3-Dichlorobenzene
 Concen: 50.854 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013104.D
 Acq: 18 Sep 2019 10:55

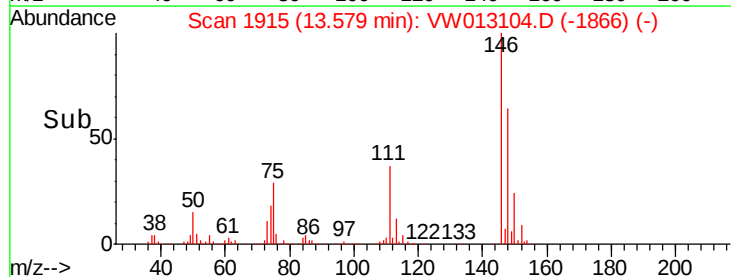
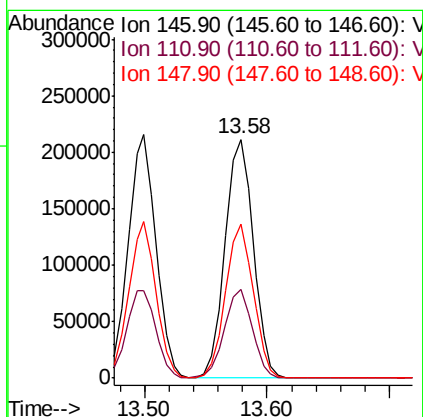
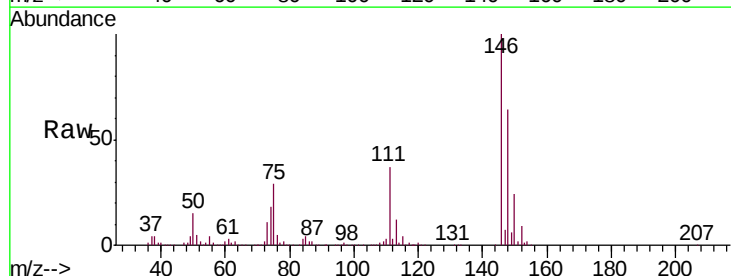
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

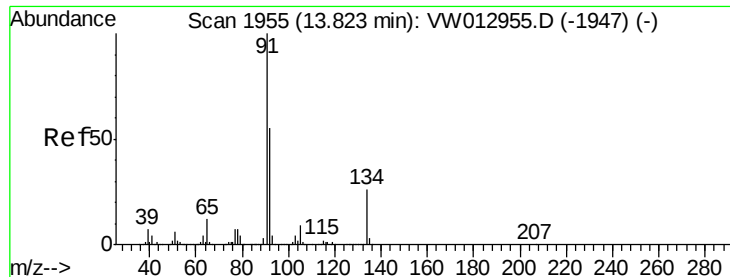
Tgt Ion:146 Resp: 343216
 Ion Ratio Lower Upper
 146 100
 111 37.9 19.8 59.4
 148 63.0 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 51.012 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013104.D
 Acq: 18 Sep 2019 10:55

Tgt Ion:146 Resp: 338326
 Ion Ratio Lower Upper
 146 100
 111 36.9 19.4 58.2
 148 63.2 31.9 95.5





#89

n-Butylbenzene

Concen: 50.026 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

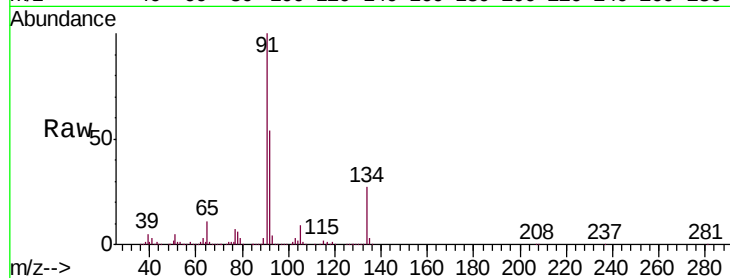
Tgt Ion: 91 Resp: 660890

Ion Ratio Lower Upper

91 100

92 55.1 27.2 81.5

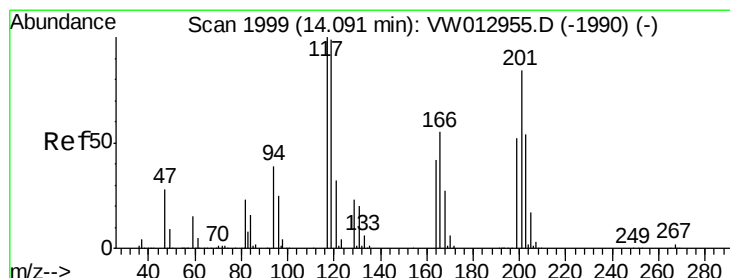
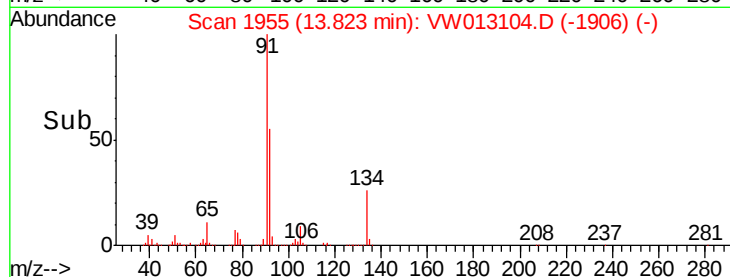
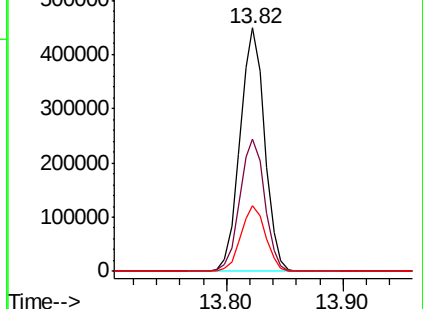
134 27.0 13.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 49.021 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW013104.D

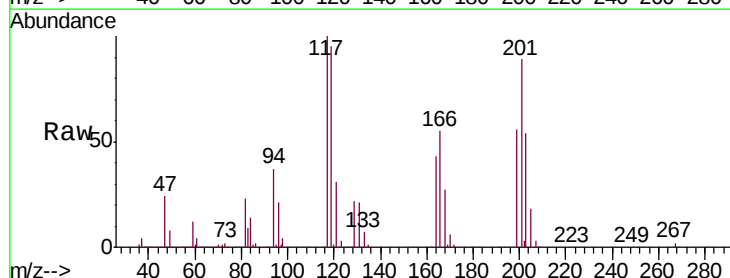
Acq: 18 Sep 2019 10:55

Tgt Ion: 117 Resp: 123057

Ion Ratio Lower Upper

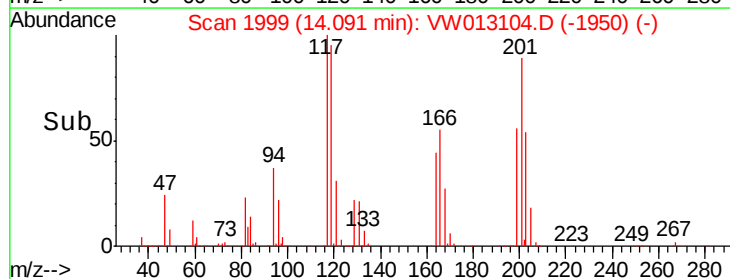
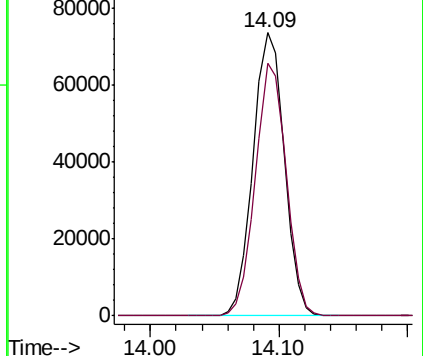
117 100

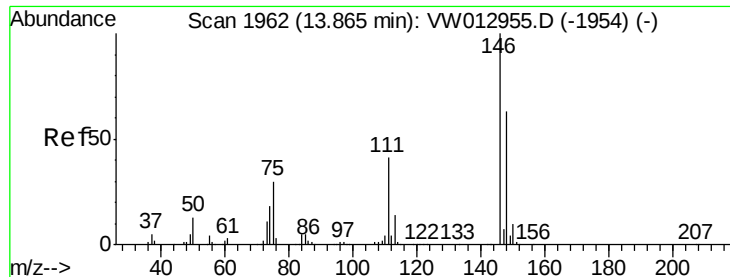
201 88.2 45.3 135.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

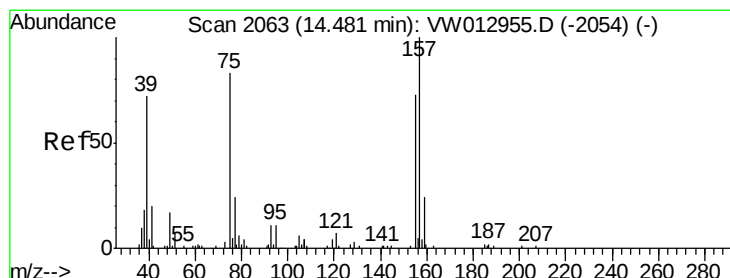
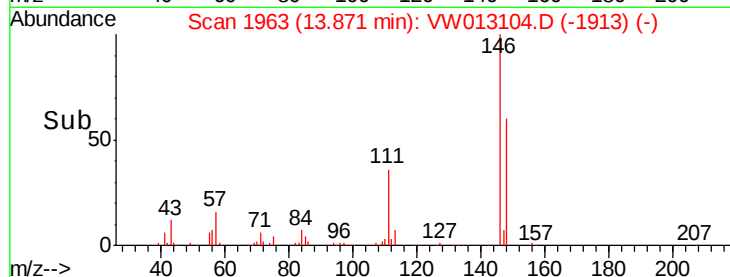
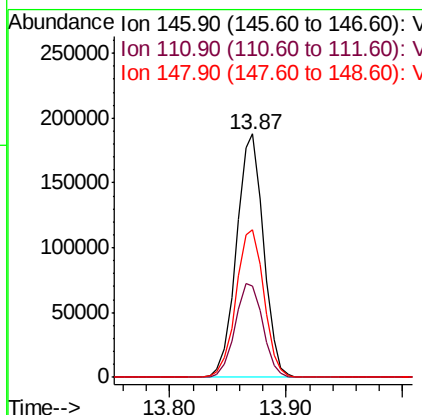
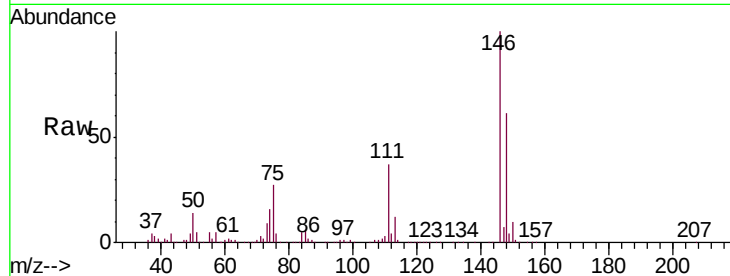




#91
 1,2-Dichlorobenzene
 Concen: 51.184 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW013104.D
 Acq: 18 Sep 2019 10:55

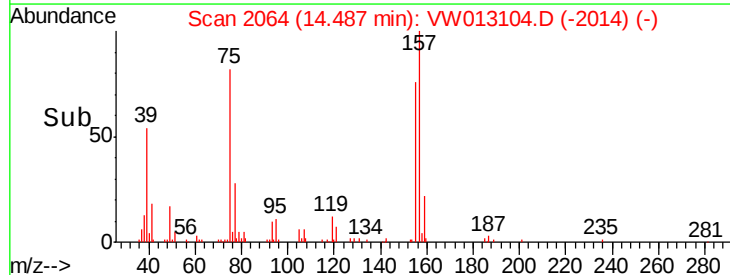
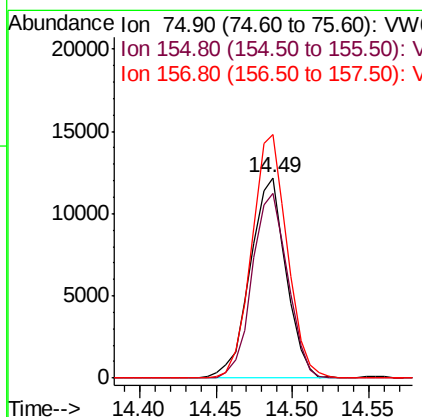
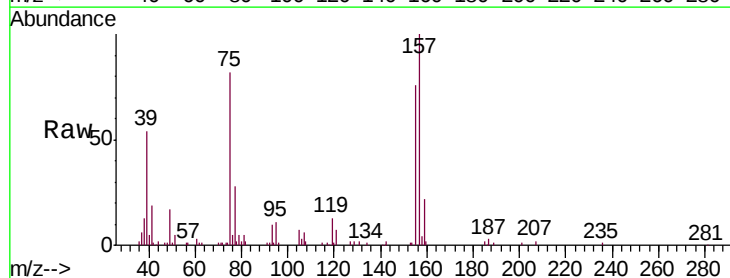
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

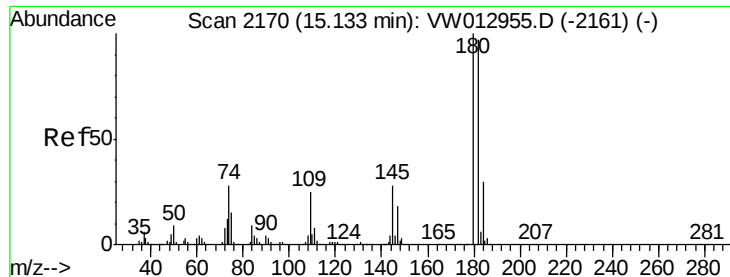
Tgt Ion: 146 Resp: 303784
 Ion Ratio Lower Upper
 146 100
 111 39.4 20.8 62.5
 148 62.8 32.7 98.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 41.854 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013104.D
 Acq: 18 Sep 2019 10:55

Tgt Ion: 75 Resp: 19913
 Ion Ratio Lower Upper
 75 100
 155 90.9 43.3 129.9
 157 119.8 54.7 164.1

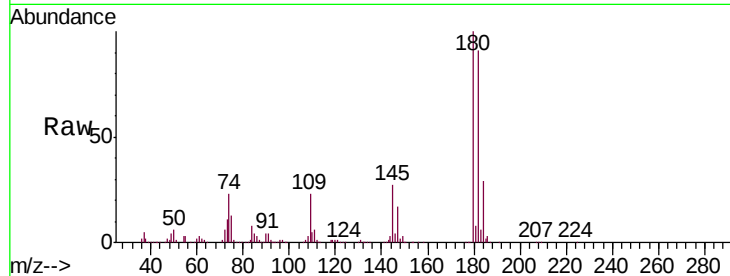




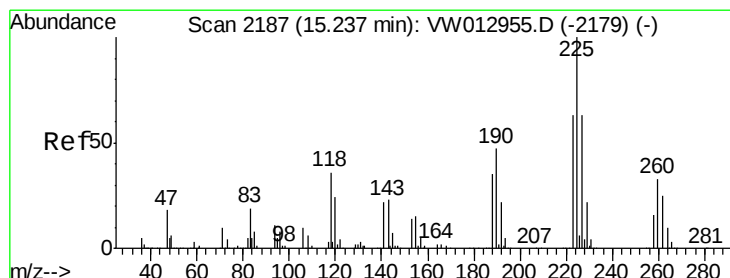
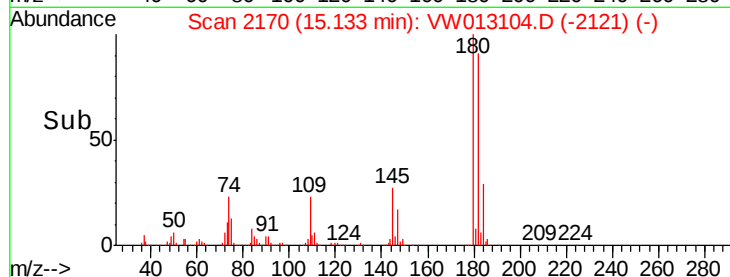
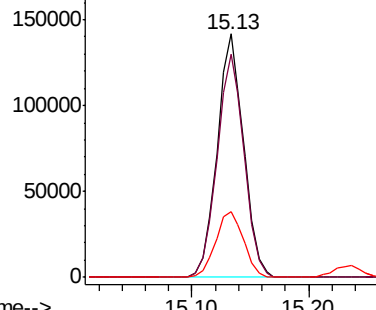
#93
 1,2,4-Trichlorobenzene
 Concen: 52.711 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013104.D
 Acq: 18 Sep 2019 10:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.4	142.2
145	28.7	14.9	44.7

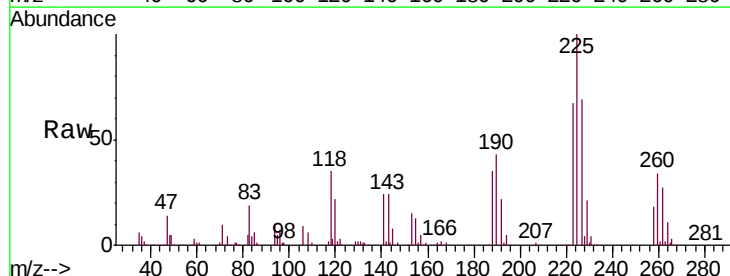


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

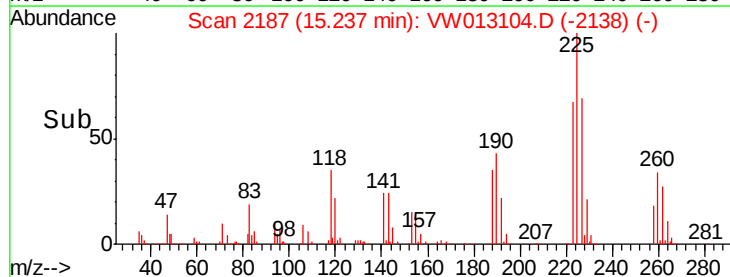
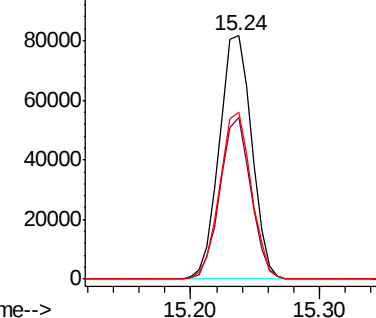


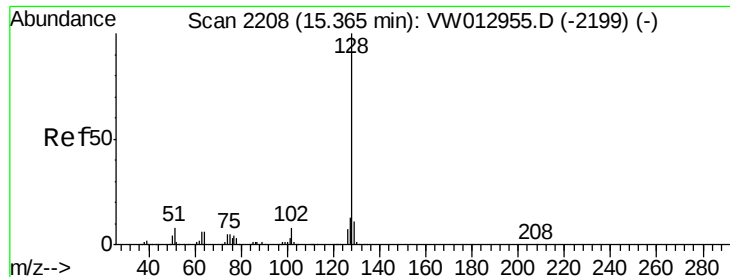
#94
 Hexachlorobutadiene
 Concen: 47.317 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW013104.D
 Acq: 18 Sep 2019 10:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.8	95.3
227	66.6	31.3	93.8



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

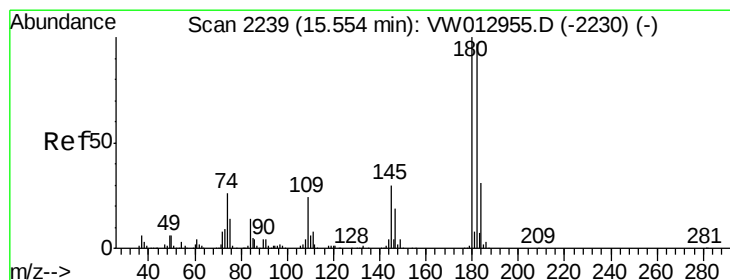
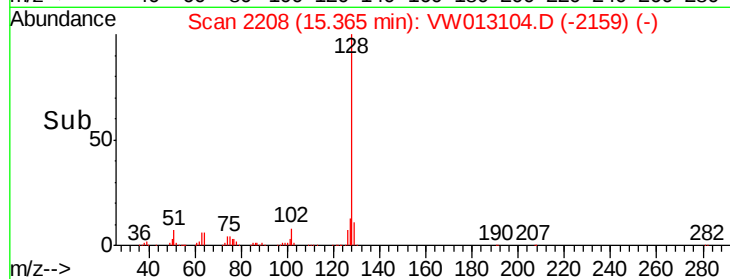
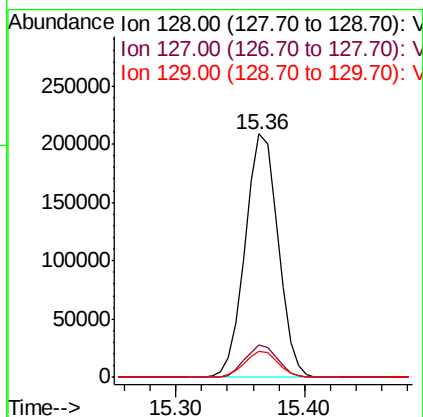
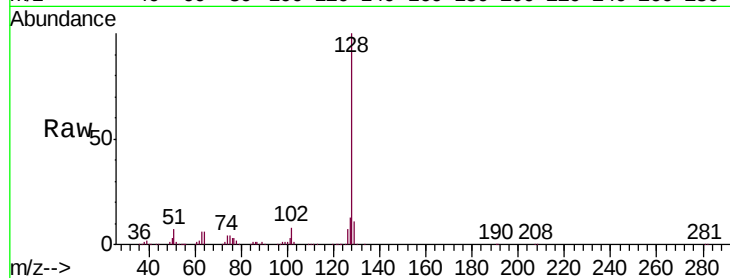




#95
Naphthalene
Concen: 52.180 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 369039
Ion Ratio Lower Upper
128 100
127 13.1 11.0 16.6
129 10.8 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 50.870 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Tgt Ion:180 Resp: 190337
Ion Ratio Lower Upper
180 100
182 95.2 47.6 142.8
145 30.2 15.4 46.2

