

Data File : VW013130.D
Acq On : 18 Sep 2019 22:55
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Quant Time: Sep 19 08:00:06 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	305195	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	473596	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	409262	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	209345	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	144002	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	
35) Dibromofluoromethane	7.88	113	138581	53.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.86%	
50) Toluene-d8	10.32	98	552189	54.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.82%	
62) 4-Bromofluorobenzene	12.62	95	192764	53.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.62%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.01	85	50881	42.923	ug/l	97
3) Chloromethane	2.21	50	70019	47.427	ug/l	100
4) Vinyl Chloride	2.36	62	94014	43.037	ug/l	98
5) Bromomethane	2.77	94	64879	48.634	ug/l	98
6) Chloroethane	2.92	64	64269	47.970	ug/l	94
7) Trichlorofluoromethane	3.25	101	60614	39.679	ug/l	98
8) Diethyl Ether	3.67	74	69797	58.515	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	119684	51.657	ug/l	98
10) Methyl Iodide	4.27	142	170039	58.643	ug/l	94
11) Tert butyl alcohol	5.18	59	53379	283.400	ug/l #	85
12) 1,1-Dichloroethene	4.04	96	109445	51.953	ug/l	92
13) Acrolein	3.89	56	48692	233.877	ug/l	97
14) Allyl chloride	4.67	41	204552	51.147	ug/l	90
15) Acrylonitrile	5.36	53	184173	302.311	ug/l	99
16) Acetone	4.12	43	148029	241.350	ug/l	97
17) Carbon Disulfide	4.39	76	188337	44.862	ug/l	99
18) Methyl Acetate	4.67	43	90028	56.062	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	246128	59.188	ug/l	99
20) Methylene Chloride	4.91	84	138759	62.200	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	122095	54.114	ug/l	94
22) Diisopropyl ether	6.31	45	479229	57.681	ug/l	96
23) Vinyl Acetate	6.25	43	1388967	279.125	ug/l	96
24) 1,1-Dichloroethane	6.21	63	260146	54.307	ug/l	99
25) 2-Butanone	7.17	43	236733	264.129	ug/l	96
26) 2,2-Dichloropropane	7.16	77	147897	48.521	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	156618	57.980	ug/l	92
28) Bromochloromethane	7.51	49	113605	56.345	ug/l	92
29) Tetrahydrofuran	7.52	42	150137	293.993	ug/l	96
30) Chloroform	7.67	83	261521	53.730	ug/l	100
31) Cyclohexane	7.95	56	185691	51.792	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	196615	49.052	ug/l	97
36) 1,1-Dichloropropene	8.08	75	176769	46.709	ug/l	97
37) Ethyl Acetate	7.25	43	103564	51.557	ug/l	95
38) Carbon Tetrachloride	8.07	117	171181	44.139	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	201408	48.568	ug/l	95
40) Benzene	8.32	78	551185	52.171	ug/l	99
41) Methacrylonitrile	7.48	41	66236	50.072	ug/l	91
42) 1,2-Dichloroethane	8.40	62	162933	46.006	ug/l	93
43) Isopropyl Acetate	8.42	43	202360	52.468	ug/l	97
44) Trichloroethene	9.09	130	151541	52.367	ug/l	85
45) 1,2-Dichloropropane	9.37	63	154269	54.960	ug/l	97
46) Dibromomethane	9.46	93	74297	55.248	ug/l	97
47) Bromodichloromethane	9.64	83	193070	51.183	ug/l	96
48) Methyl methacrylate	9.43	41	94524	52.221	ug/l	89
49) 1,4-Dioxane	9.46	88	25878	1148.409	ug/l #	77
51) 4-Methyl-2-Pentanone	10.21	43	536269	269.319	ug/l	95
52) Toluene	10.38	92	362084	53.935	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	196498	51.796	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	235627	54.283	ug/l	91
55) 1,1,2-Trichloroethane	10.79	97	118865	58.021	ug/l	98
56) Ethyl methacrylate	10.65	69	160619	58.247	ug/l	91
57) 1,3-Dichloropropane	10.93	76	202881	55.826	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	407408	275.419	ug/l	97
59) 2-Hexanone	10.97	43	363637	262.271	ug/l	94
60) Dibromochloromethane	11.13	129	136077	54.940	ug/l	98
61) 1,2-Dibromoethane	11.23	107	109363	58.519	ug/l	99
64) Tetrachloroethene	10.86	164	134486	55.237	ug/l	96
65) Chlorobenzene	11.66	112	406174	55.717	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	151103	54.089	ug/l	99
67) Ethyl Benzene	11.73	91	720258	53.497	ug/l	98
68) m/p-Xylenes	11.84	106	541760	110.149	ug/l	95
69) o-Xylene	12.16	106	261025	56.608	ug/l	95
70) Styrene	12.18	104	470783	57.394	ug/l	96
71) Bromoform	12.35	173	81821	55.759	ug/l #	98
73) Isopropylbenzene	12.46	105	732936	52.821	ug/l	100
74) N-amyl acetate	12.27	43	190336	53.323	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	141256	57.960	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	174589	95.211	ug/l #	100
77) Bromobenzene	12.74	156	178968	55.986	ug/l	93
78) n-propylbenzene	12.80	91	842699	51.629	ug/l	98
79) 2-Chlorotoluene	12.89	91	488842	52.099	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	616787	52.542	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	42920	53.097	ug/l	93
82) 4-Chlorotoluene	12.99	91	507809	51.293	ug/l	97
83) tert-Butylbenzene	13.21	119	562094	53.532	ug/l	95
84) 1,2,4-Trimethylbenzene	13.25	105	618626	53.329	ug/l	95
85) sec-Butylbenzene	13.38	105	746404	52.175	ug/l	99
86) p-Isopropyltoluene	13.49	119	695130	52.924	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	337390	53.316	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	332403	53.453	ug/l	99
89) n-Butylbenzene	13.82	91	629914	50.853	ug/l	99
90) Hexachloroethane	14.09	117	119335	50.700	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	312093	56.082	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	21936	49.173	ug/l	86

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

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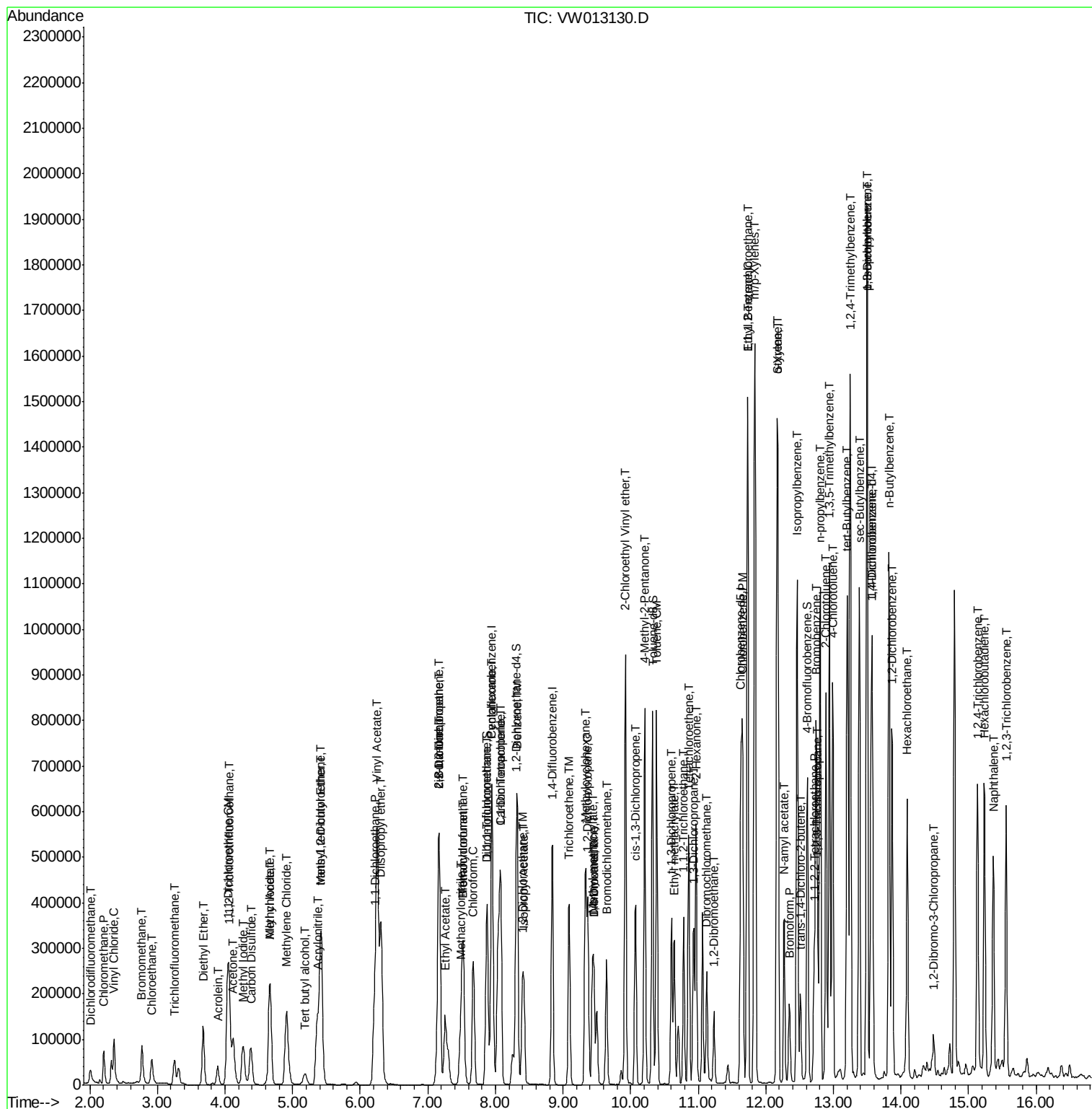
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	227117	57.226	ug/l	99
94) Hexachlorobutadiene	15.23	225	139482	49.646	ug/l	99
95) Naphthalene	15.36	128	422984	63.786	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	201150	57.336	ug/l	98

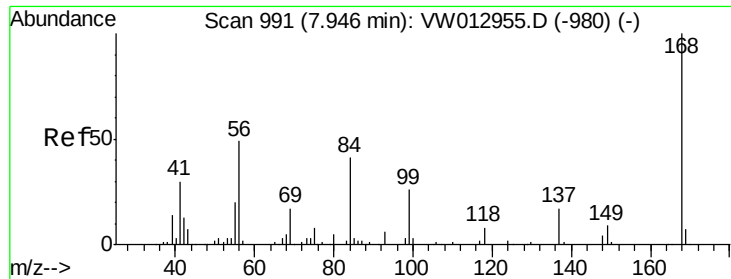
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

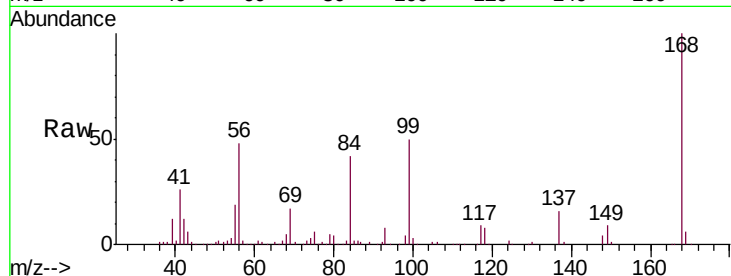
VSTDCCC050

Tgt Ion:168 Resp: 305195

Ion Ratio Lower Upper

168 100

99 50.1 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

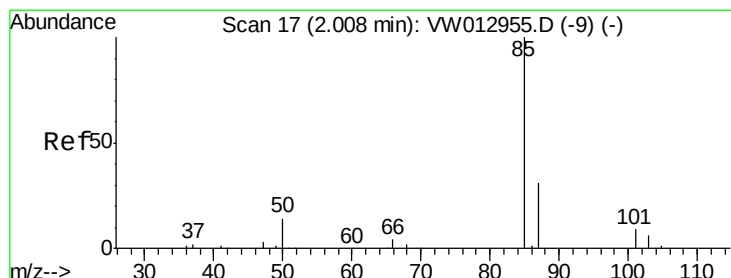
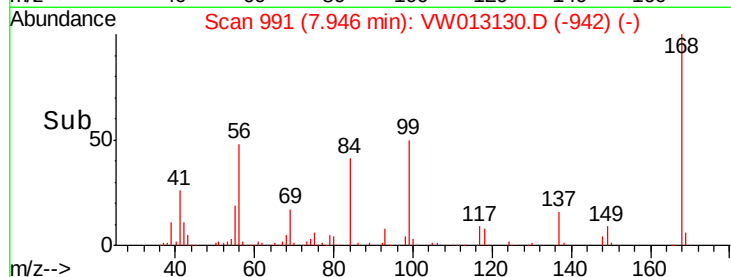
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 42.923 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013130.D

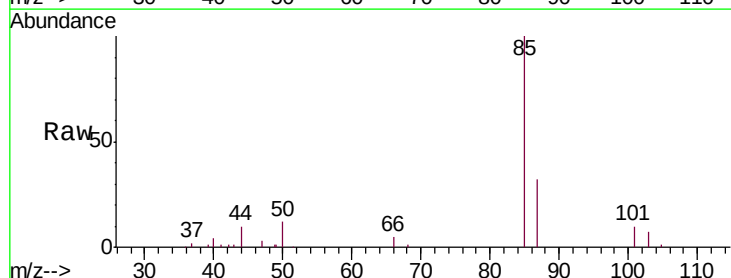
Acq: 18 Sep 2019 22:55

Tgt Ion: 85 Resp: 50881

Ion Ratio Lower Upper

85 100

87 32.3 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

20000

15000

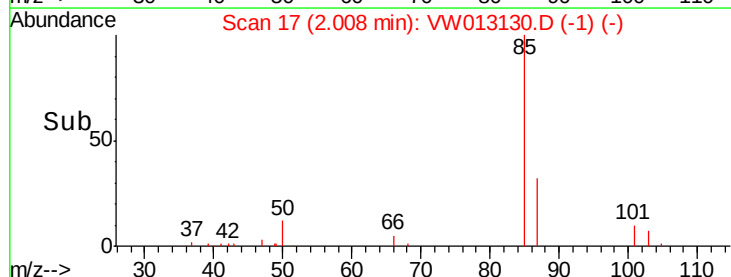
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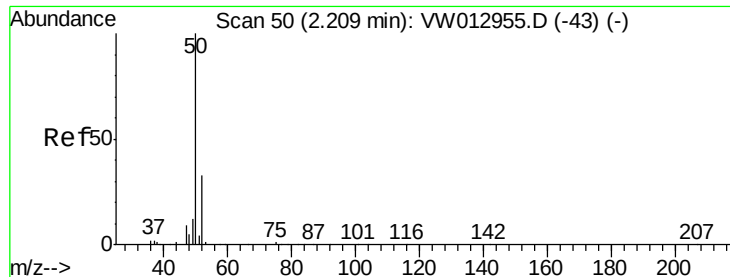
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 47.427 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

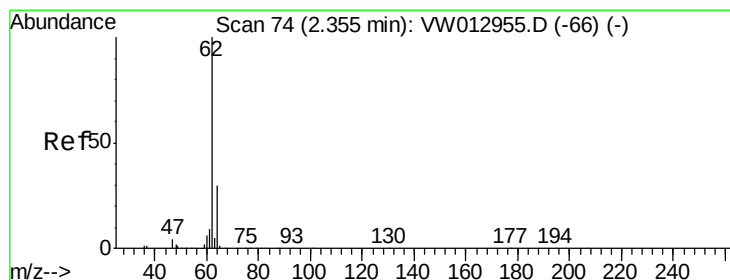
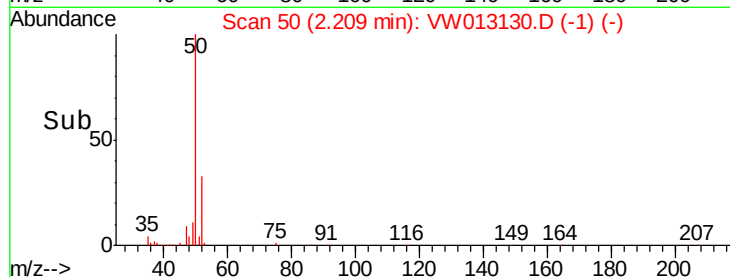
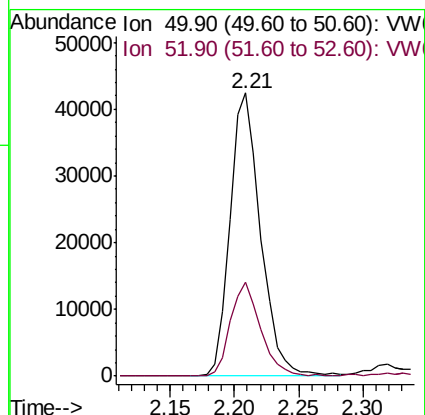
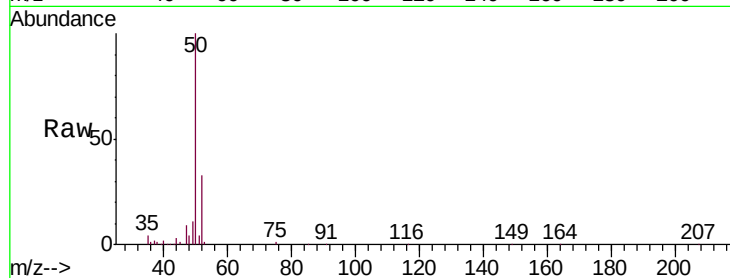
VSTDCCC050

Tgt Ion: 50 Resp: 70019

Ion Ratio Lower Upper

50 100

52 33.1 26.6 39.8



#4

Vinyl Chloride

Concen: 43.037 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW013130.D

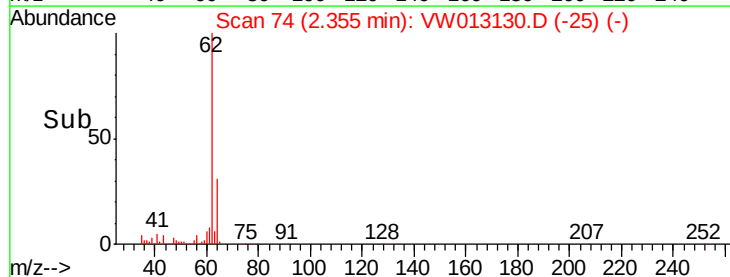
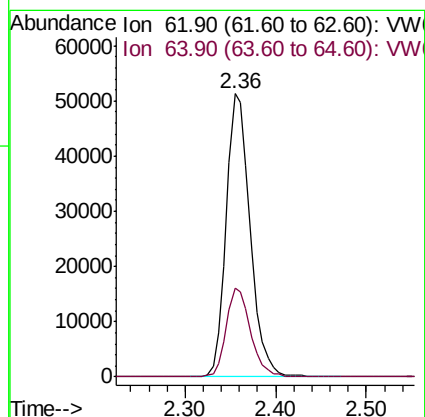
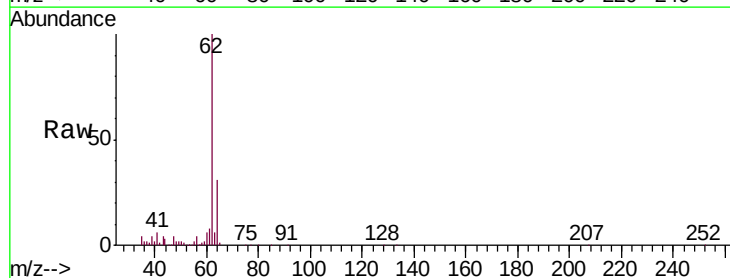
Acq: 18 Sep 2019 22:55

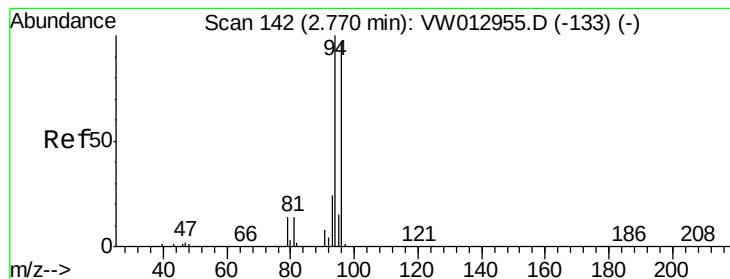
Tgt Ion: 62 Resp: 94014

Ion Ratio Lower Upper

62 100

64 31.2 24.2 36.4





#5

Bromomethane

Concen: 48.634 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

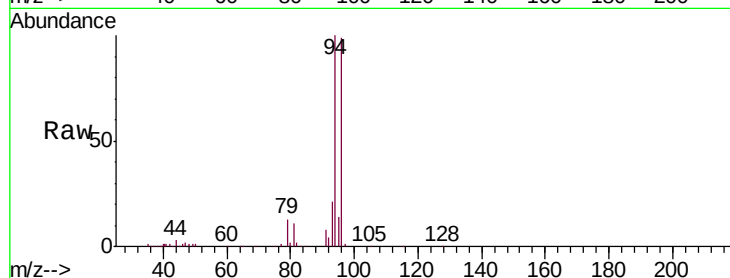
VSTDCCC050

Tgt Ion: 94 Resp: 64879

Ion Ratio Lower Upper

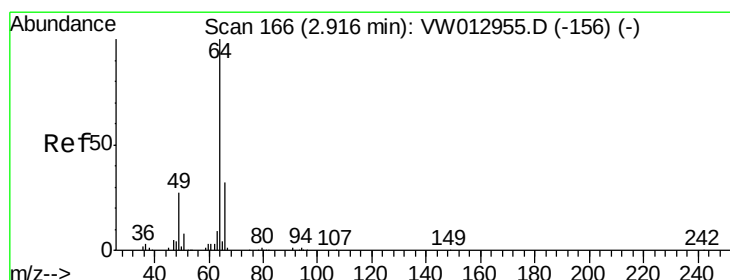
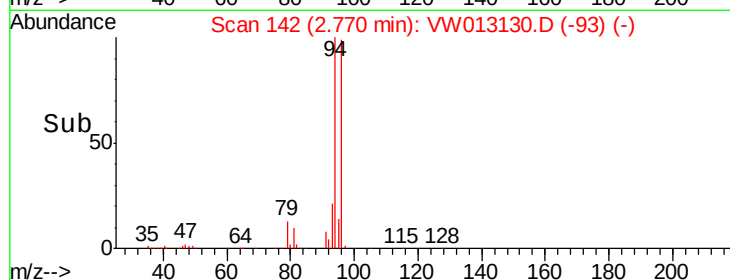
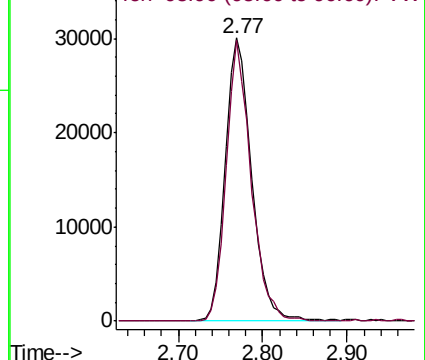
94 100

96 99.2 77.8 116.6



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 47.970 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW013130.D

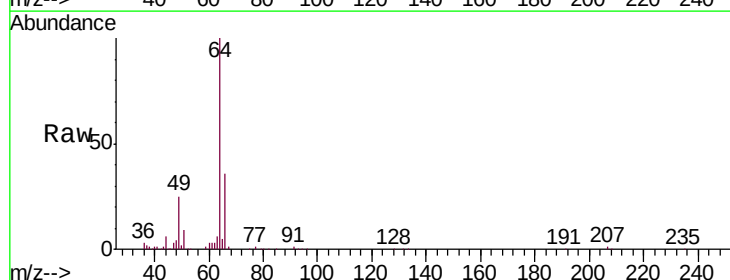
Acq: 18 Sep 2019 22:55

Tgt Ion: 64 Resp: 64269

Ion Ratio Lower Upper

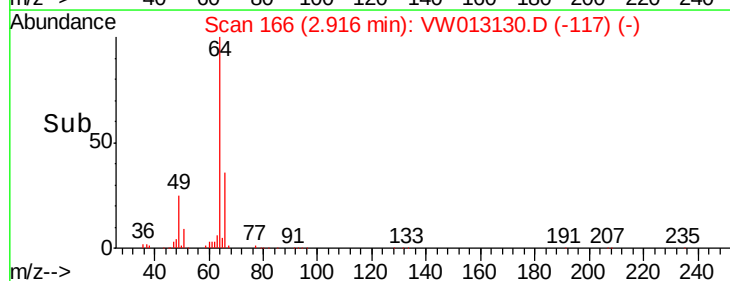
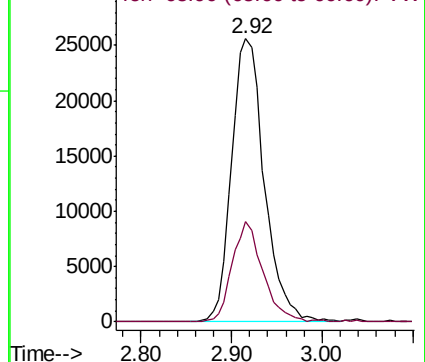
64 100

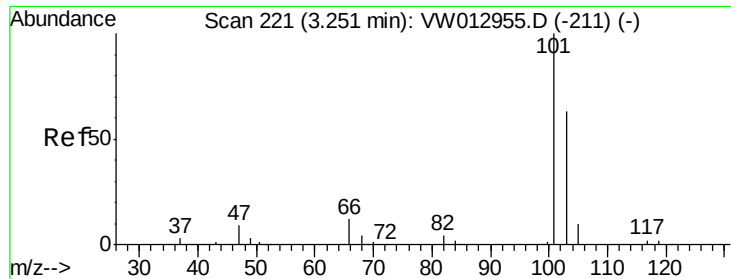
66 35.6 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



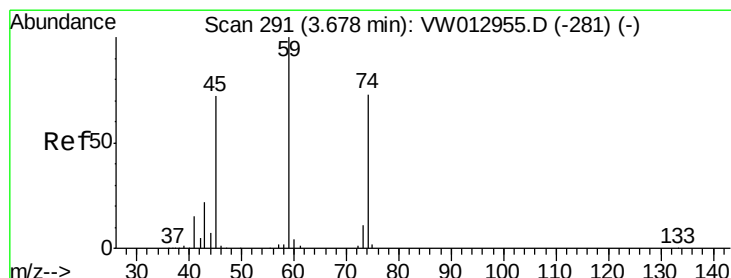
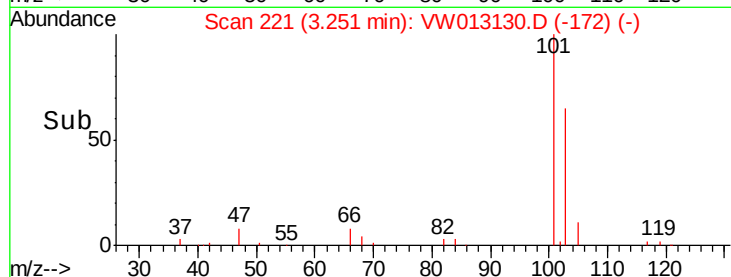
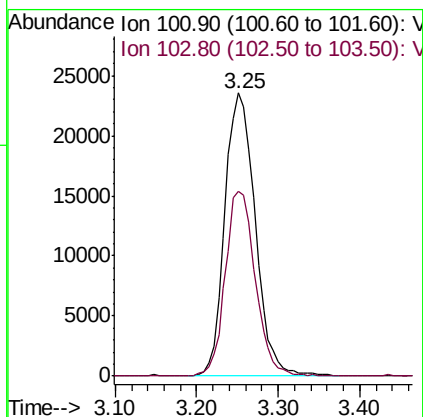
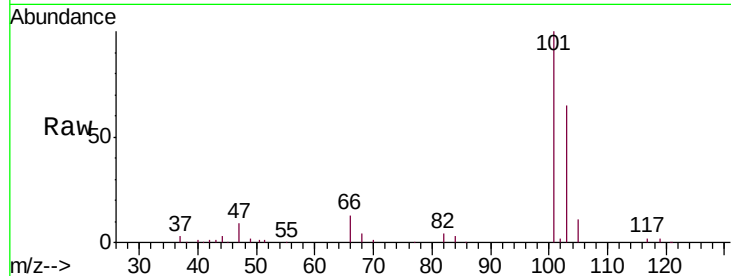


#7

Trichlorofluoromethane
 Concen: 39.679 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. 0.00 min
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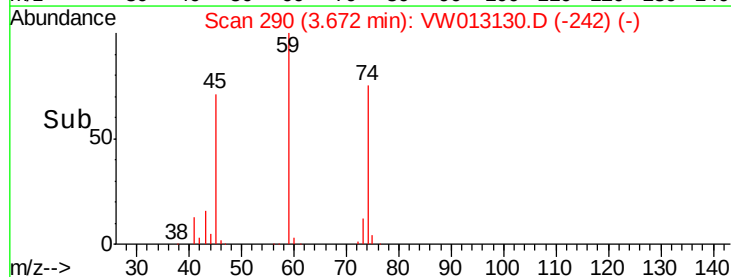
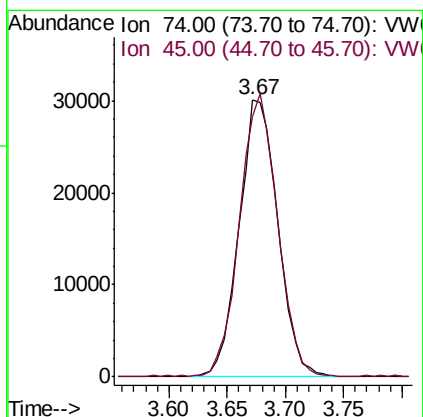
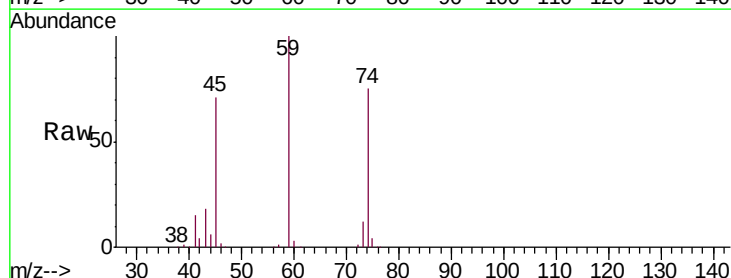
Tgt Ion: 101 Resp: 60614
 Ion Ratio Lower Upper
 101 100
 103 65.1 50.7 76.1

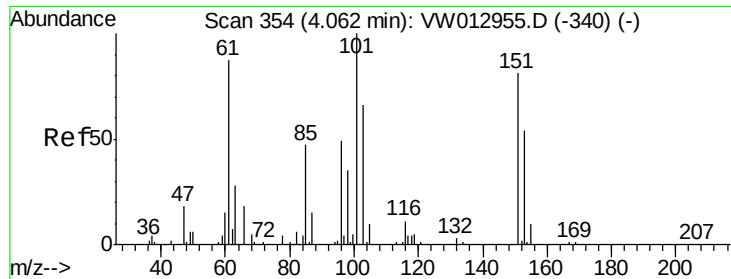


#8

Diethyl Ether
 Concen: 58.515 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

Tgt Ion: 74 Resp: 69797
 Ion Ratio Lower Upper
 74 100
 45 99.5 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.657 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW013130.D

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VSTDCCC050

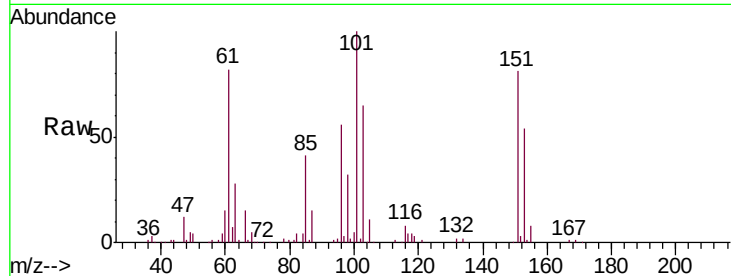
Tgt Ion:101 Resp: 119684

Ion Ratio Lower Upper

101 100

85 40.8 34.9 52.3

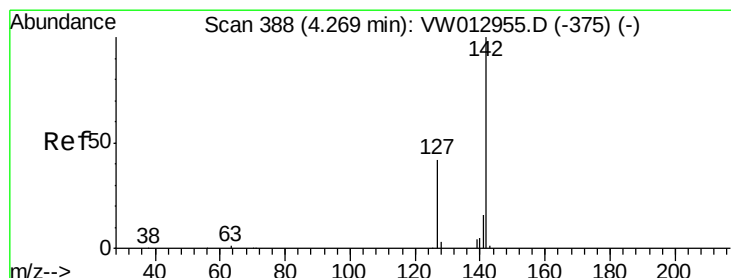
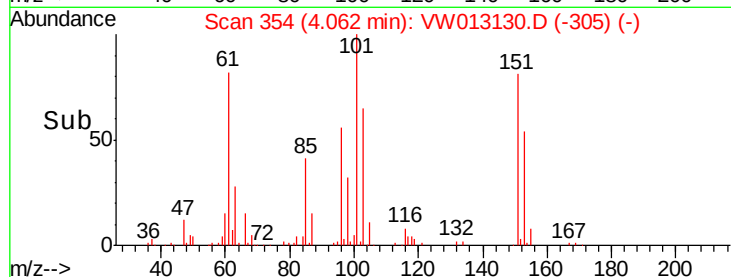
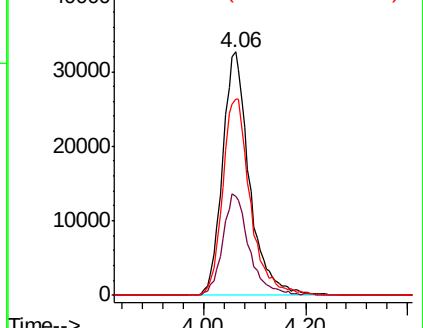
151 82.8 66.0 99.0



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: 58.643 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

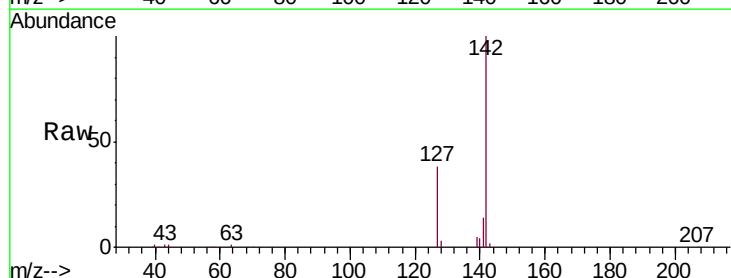
Tgt Ion:142 Resp: 170039

Ion Ratio Lower Upper

142 100

127 38.3 34.7 52.1

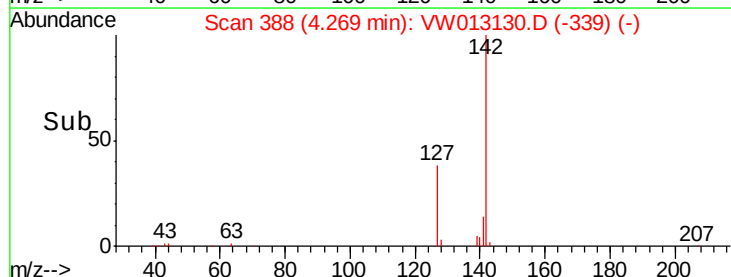
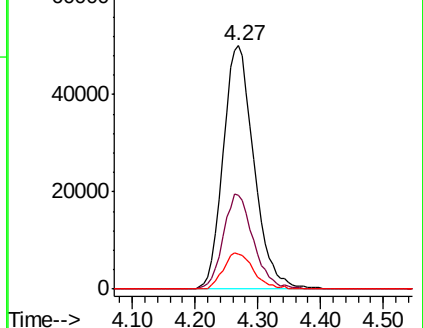
141 14.7 12.2 18.2

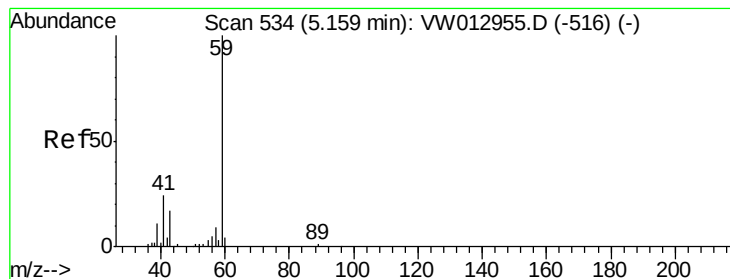


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



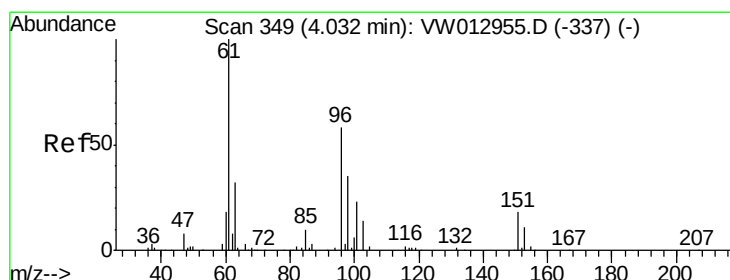
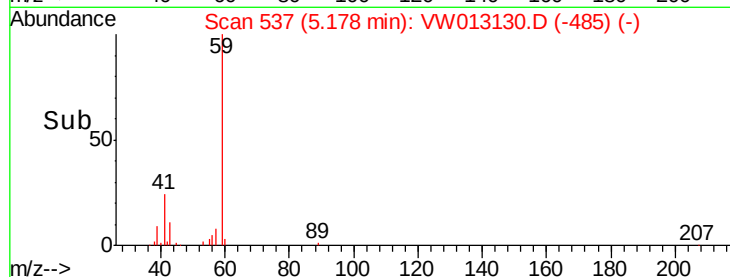
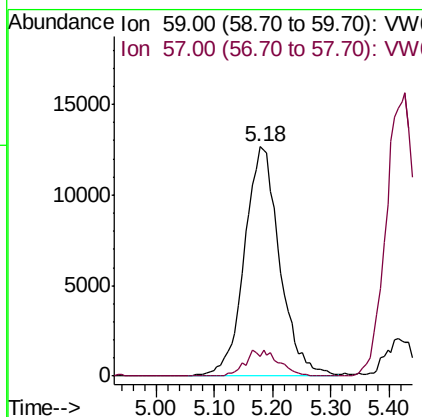
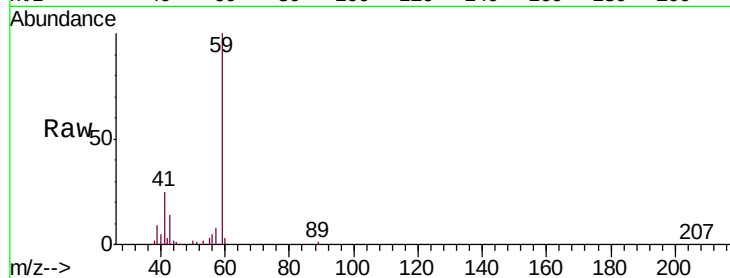


#11

Tert butyl alcohol
 Concen: 283.400 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.02 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

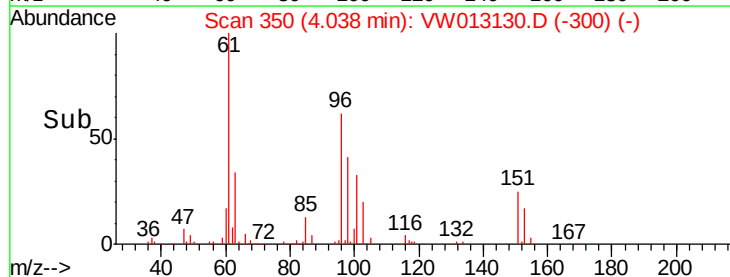
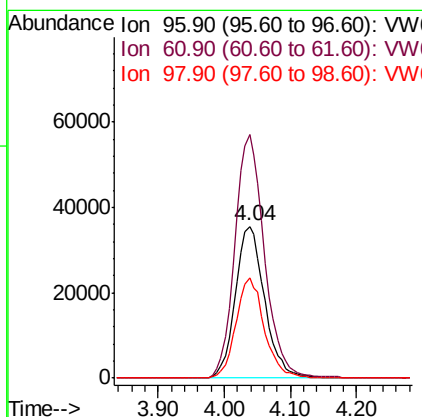
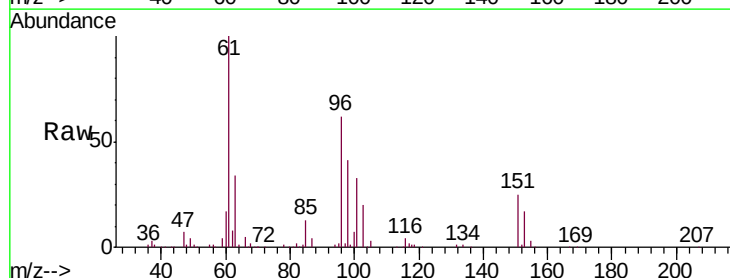
Tgt Ion: 59 Resp: 53379
 Ion Ratio Lower Upper
 59 100
 57 4.8 8.5 12.7#

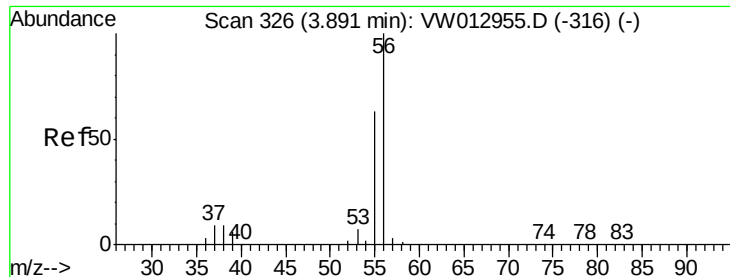


#12

1,1-Dichloroethene
 Concen: 51.953 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.01 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

Tgt Ion: 96 Resp: 109445
 Ion Ratio Lower Upper
 96 100
 61 160.3 137.9 206.9
 98 66.2 48.9 73.3





#13

Acrolein

Concen: 233.877 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

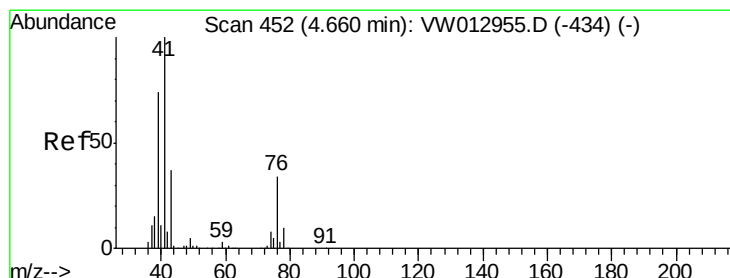
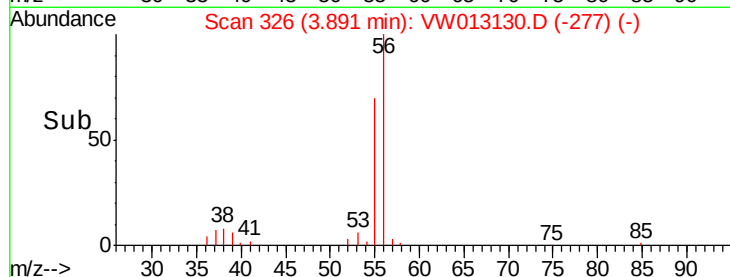
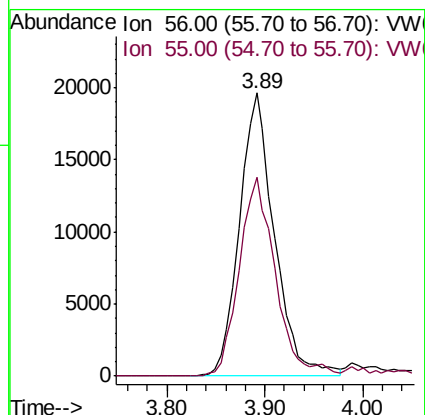
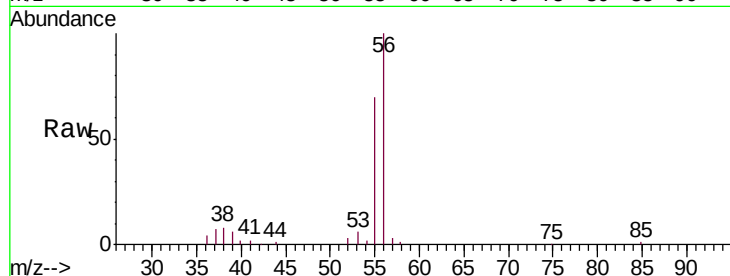
VSTDCCC050

Tgt Ion: 56 Resp: 48692

Ion Ratio Lower Upper

56 100

55 72.6 55.8 83.8



#14

Allyl chloride

Concen: 51.147 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

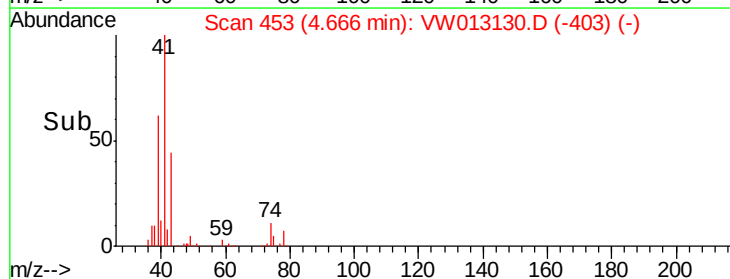
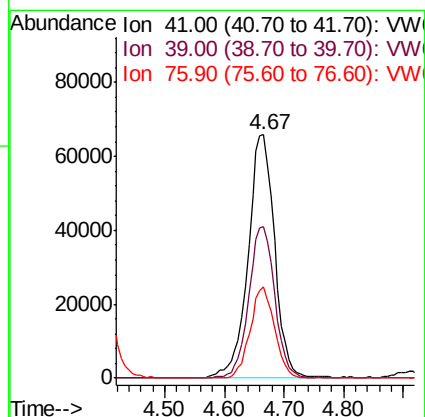
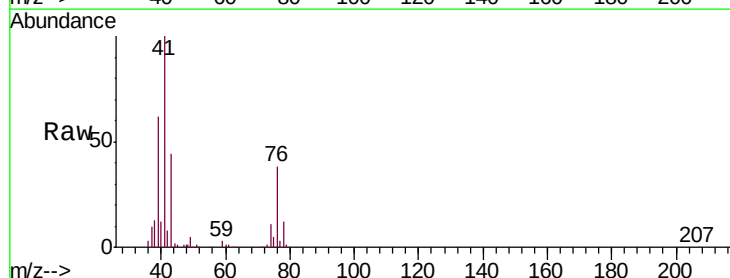
Tgt Ion: 41 Resp: 204552

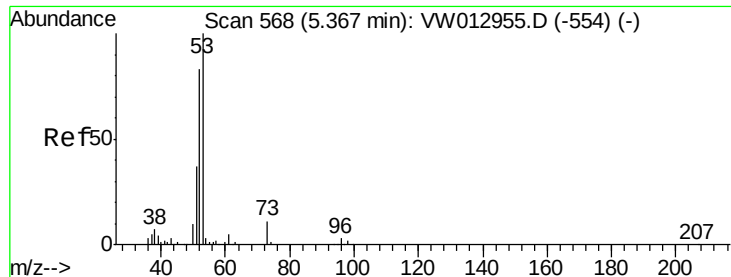
Ion Ratio Lower Upper

41 100

39 60.8 56.7 85.1

76 34.4 25.1 37.7





#15

Acrylonitrile

Concen: 302.311 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

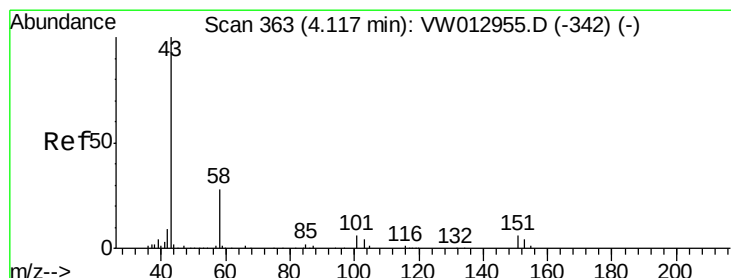
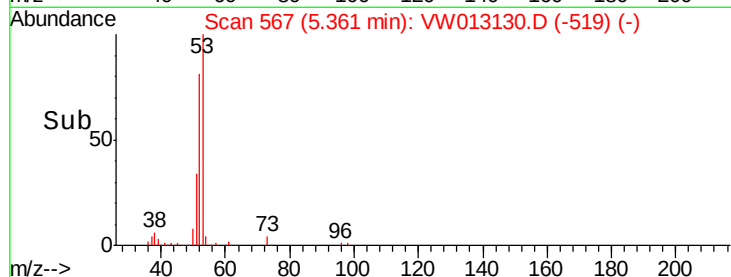
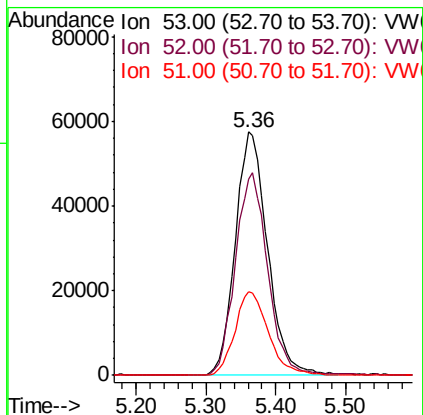
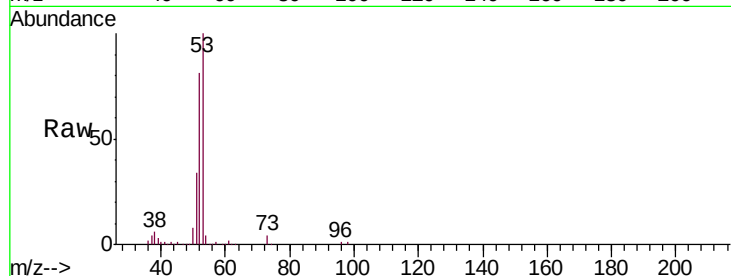
Tgt Ion: 53 Resp: 184173

Ion Ratio Lower Upper

53 100

52 83.6 66.6 100.0

51 35.8 29.8 44.8



#16

Acetone

Concen: 241.350 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW013130.D

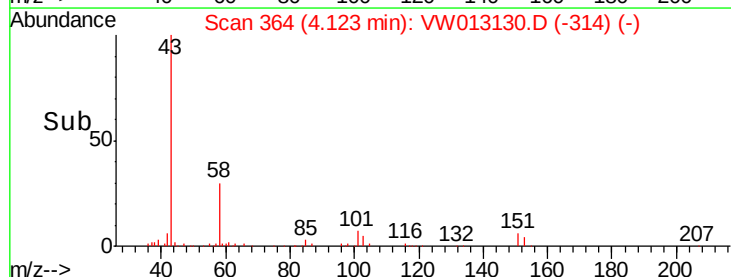
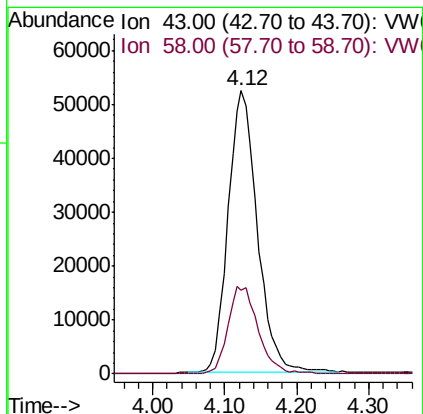
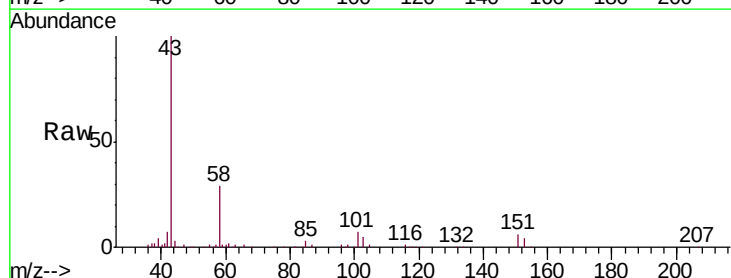
Acq: 18 Sep 2019 22:55

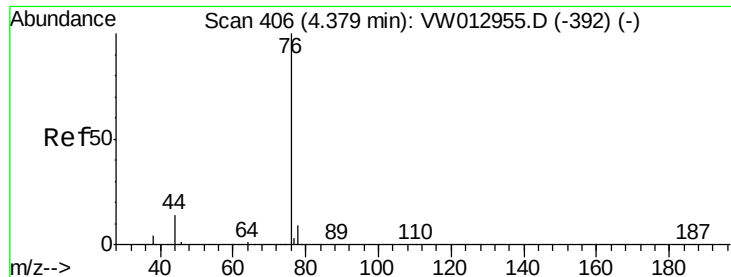
Tgt Ion: 43 Resp: 148029

Ion Ratio Lower Upper

43 100

58 29.6 22.3 33.5

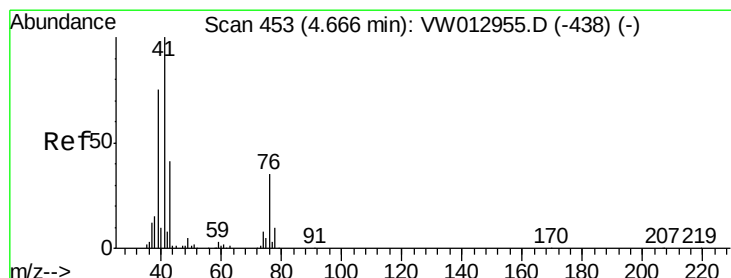
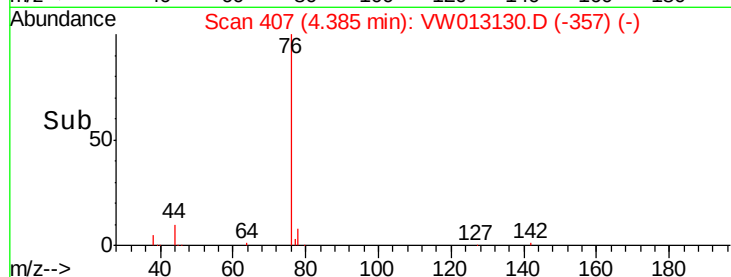
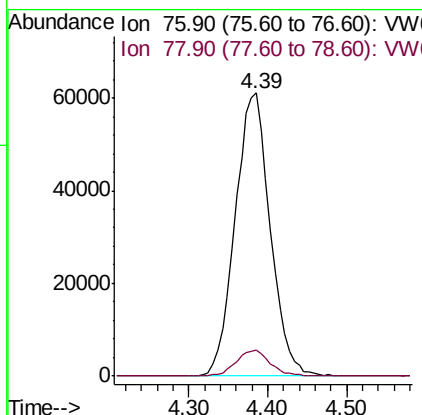
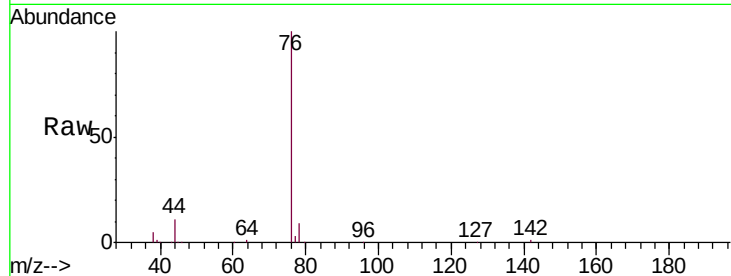




#17
Carbon Disulfide
Concen: 44.862 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.01 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

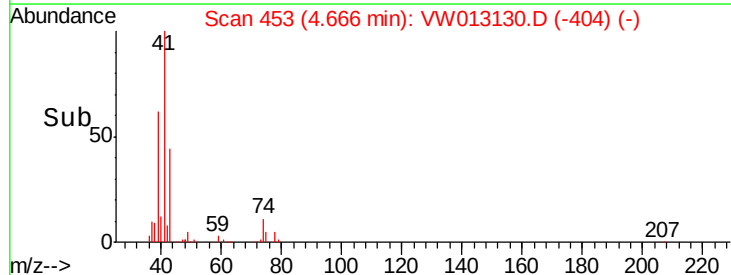
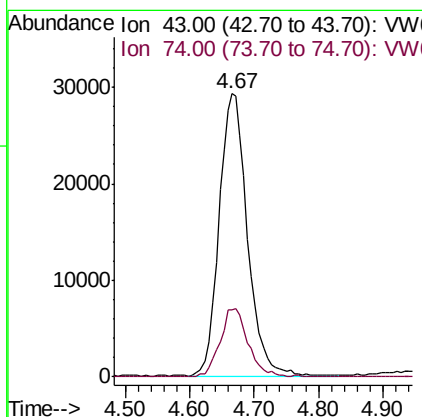
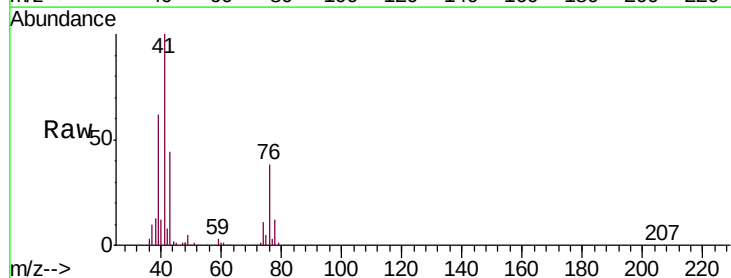
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

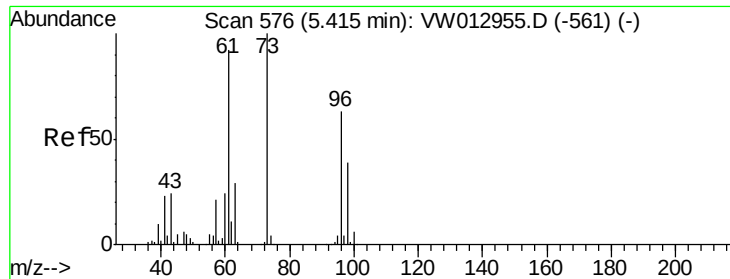
Tgt Ion: 76 Resp: 188337
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.4



#18
Methyl Acetate
Concen: 56.062 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Tgt Ion: 43 Resp: 90028
Ion Ratio Lower Upper
43 100
74 23.9 17.8 26.8

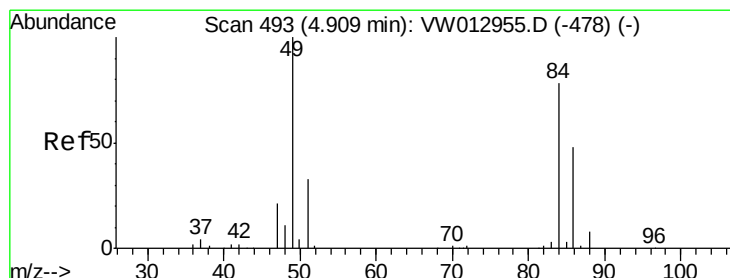
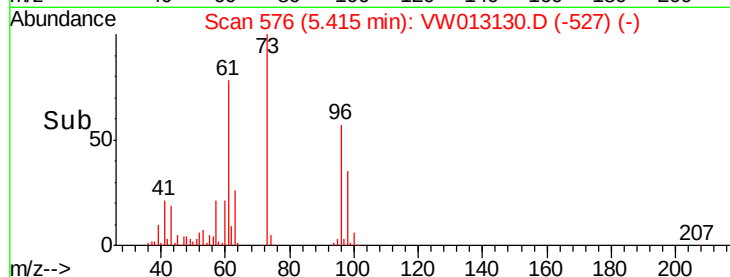
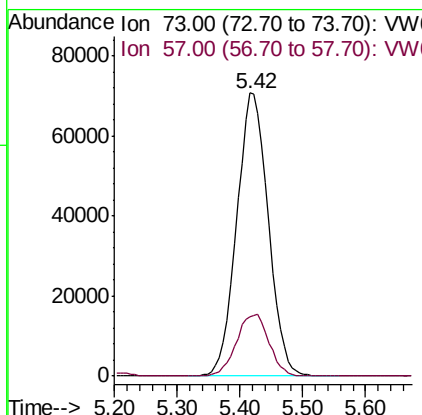
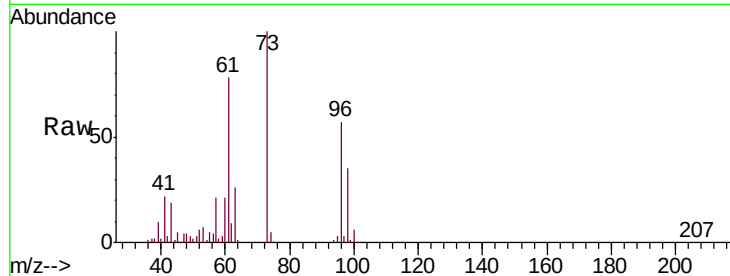




#19
Methyl tert-butyl Ether
Concen: 59.188 ug/l
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

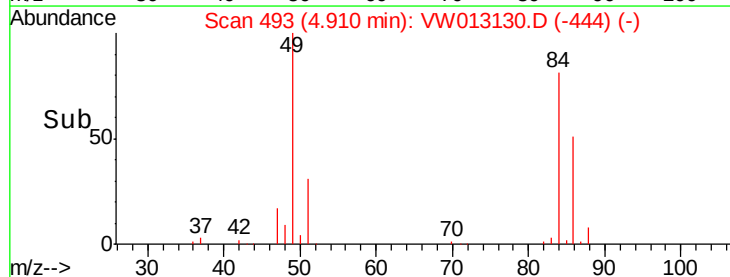
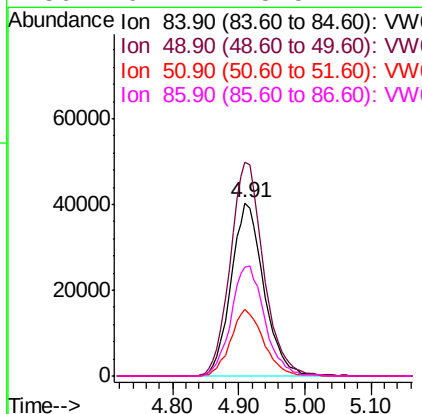
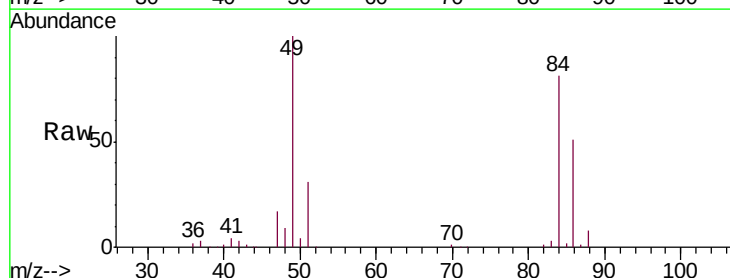
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

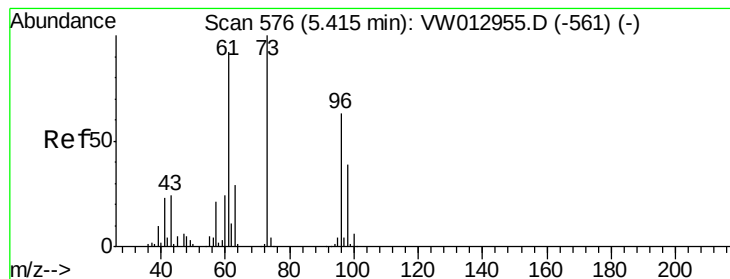
Tgt Ion: 73 Resp: 246128
Ion Ratio Lower Upper
73 100
57 20.9 16.4 24.6



#20
Methylene Chloride
Concen: 62.200 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Tgt Ion: 84 Resp: 138759
Ion Ratio Lower Upper
84 100
49 123.2 102.0 153.0
51 38.3 34.0 51.0
86 62.7 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 54.114 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

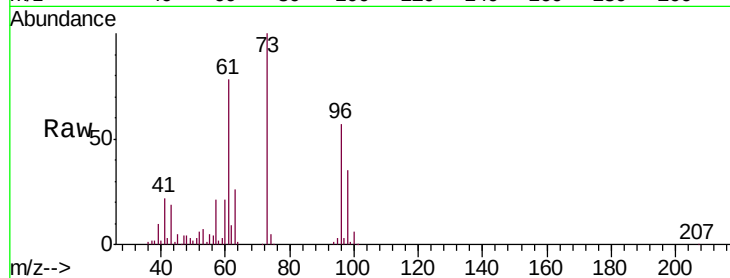
Tgt Ion: 96 Resp: 122095

Ion Ratio Lower Upper

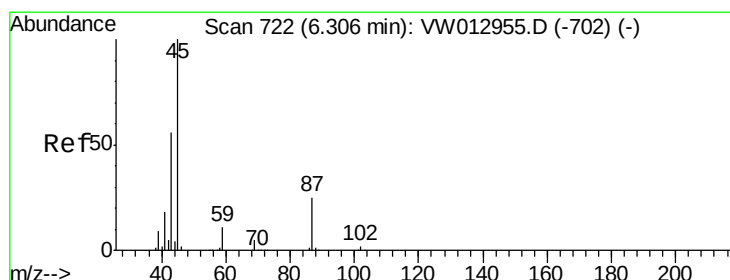
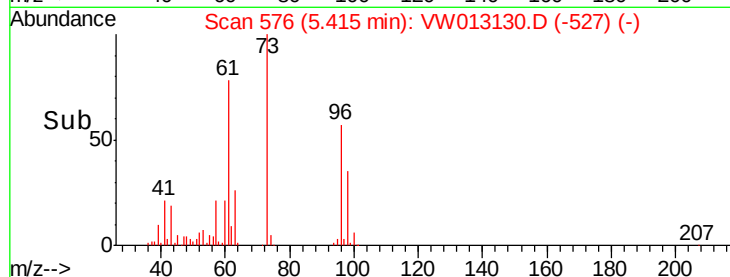
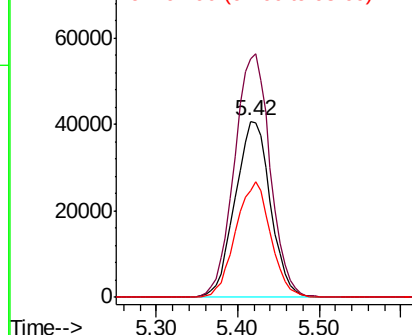
96 100

61 135.8 116.2 174.2

98 60.6 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: 57.681 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Tgt Ion: 45 Resp: 479229

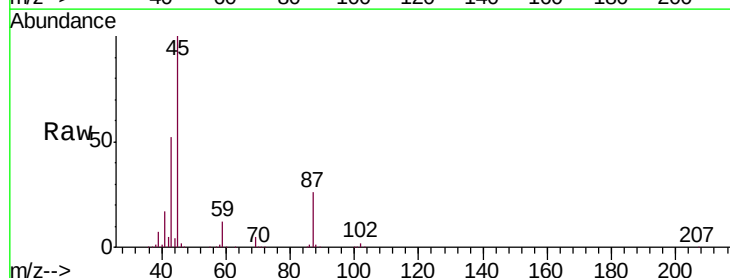
Ion Ratio Lower Upper

45 100

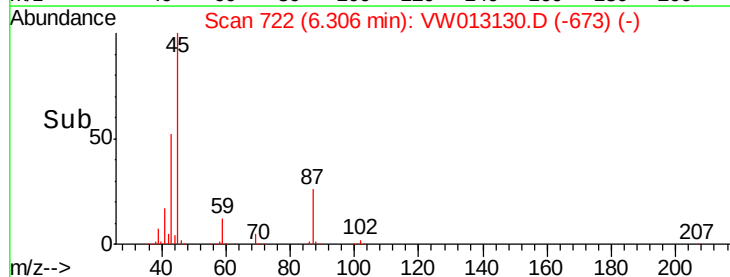
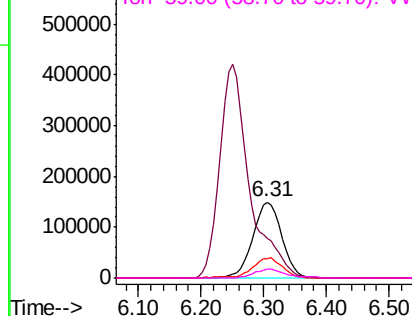
43 52.1 44.6 67.0

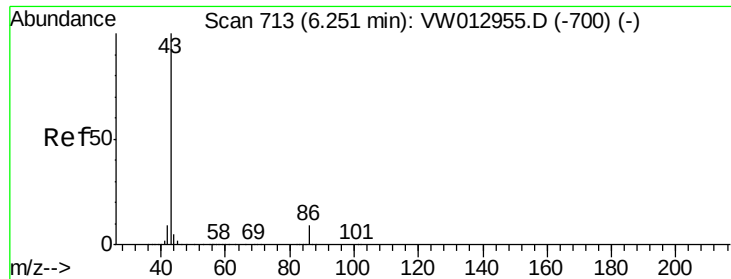
87 25.7 20.0 30.0

59 11.9 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

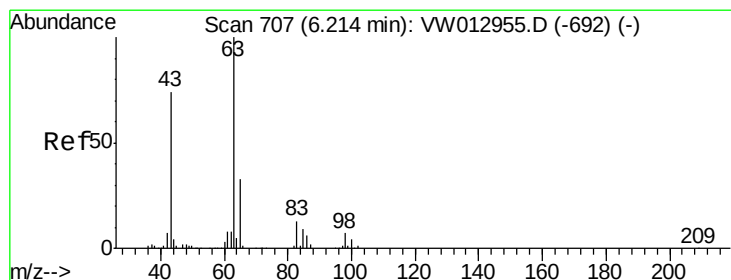
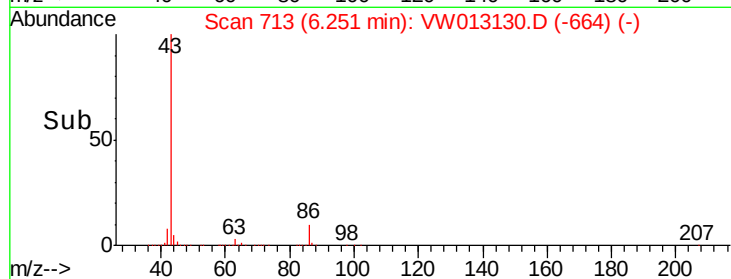
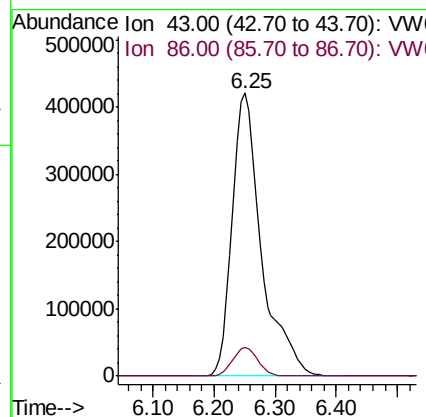
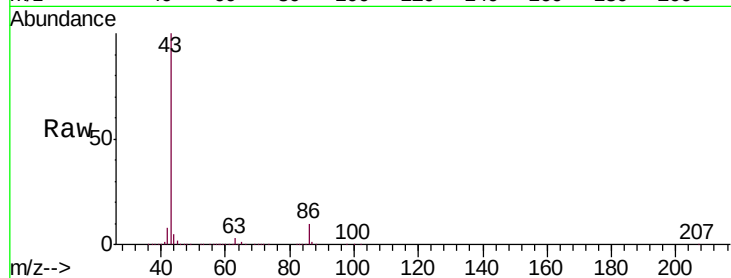




#23
 Vinyl Acetate
 Concen: 279.125 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

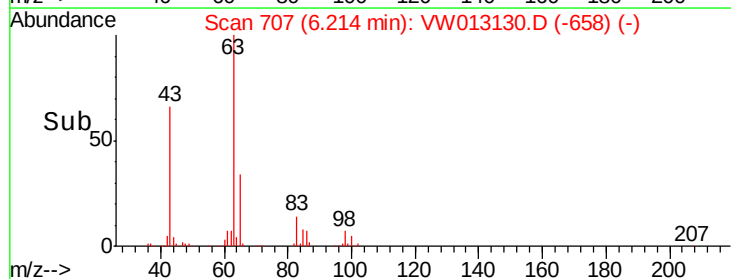
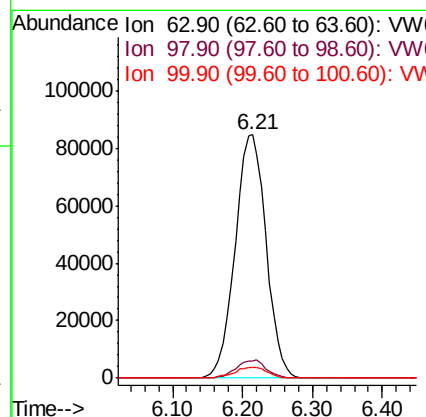
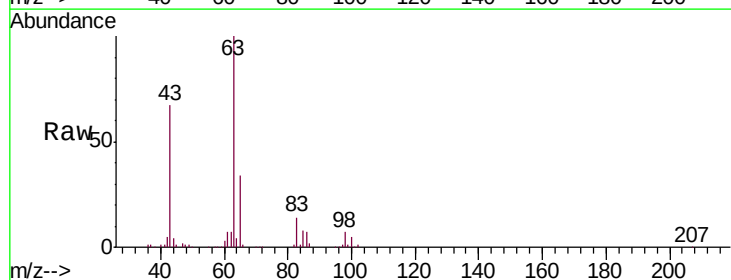
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

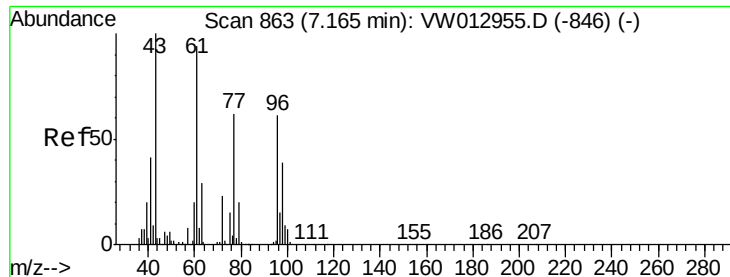
Tgt Ion: 43 Resp: 1388967
 Ion Ratio Lower Upper
 43 100
 86 10.3 7.0 10.6



#24
 1,1-Dichloroethane
 Concen: 54.307 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

Tgt Ion: 63 Resp: 260146
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.3 9.9
 100 4.5 1.8 5.5





#25

2-Butanone

Concen: 264.129 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

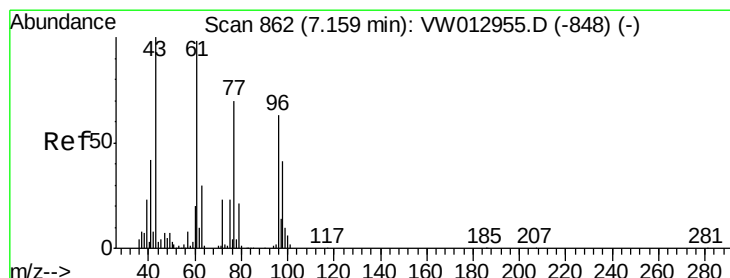
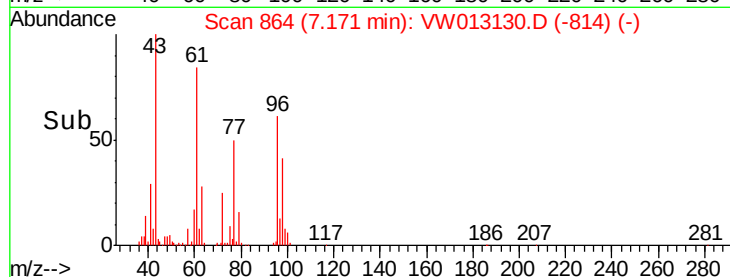
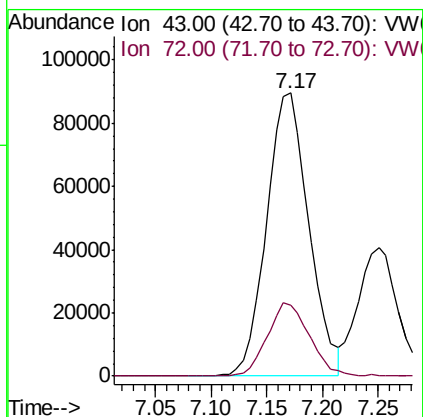
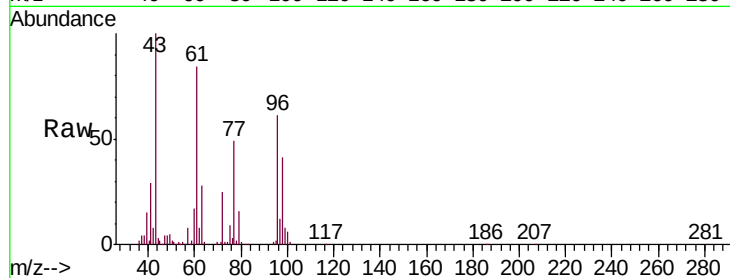
VSTDCCC050

Tgt Ion: 43 Resp: 236733

Ion Ratio Lower Upper

43 100

72 24.9 18.2 27.4



#26

2,2-Dichloropropane

Concen: 48.521 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW013130.D

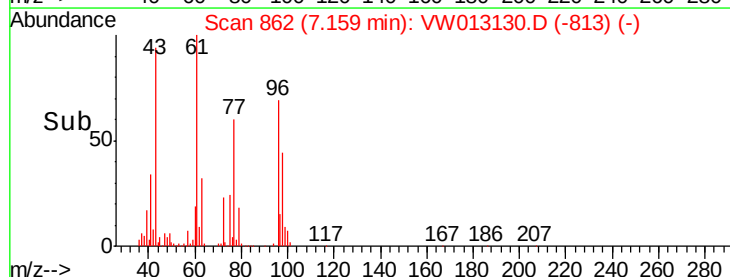
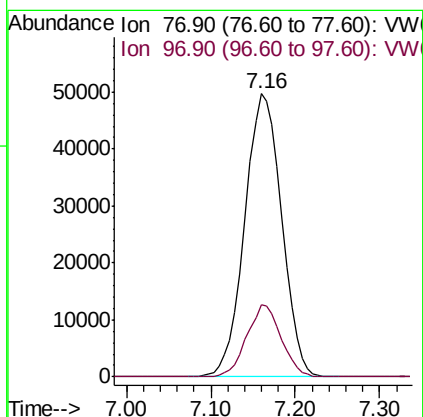
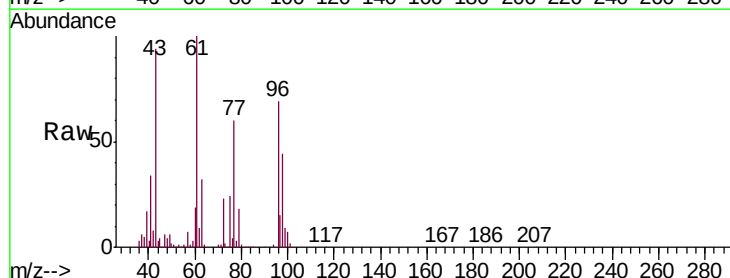
Acq: 18 Sep 2019 22:55

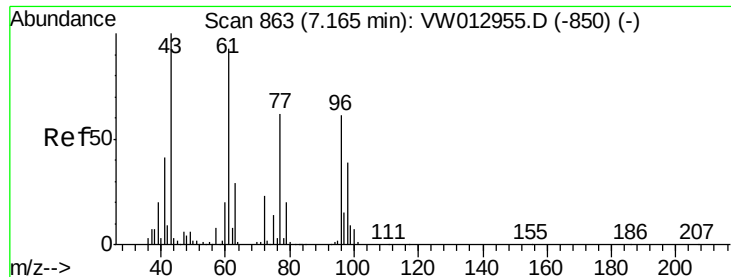
Tgt Ion: 77 Resp: 147897

Ion Ratio Lower Upper

77 100

97 23.8 10.7 32.1



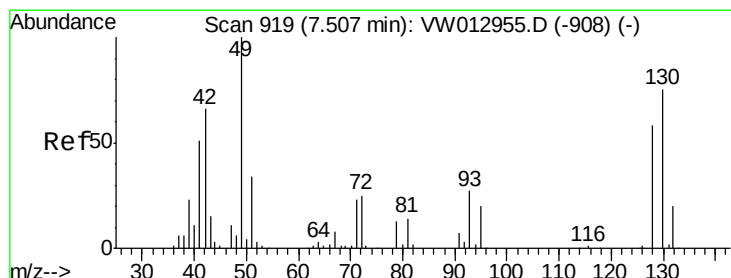
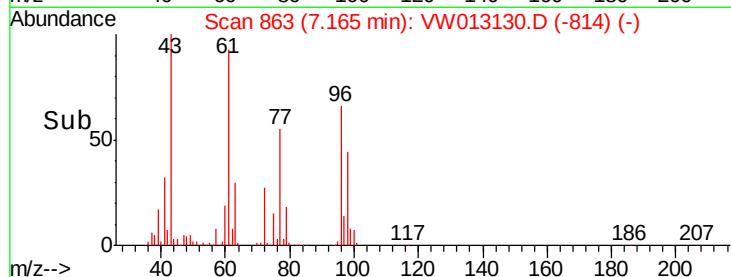
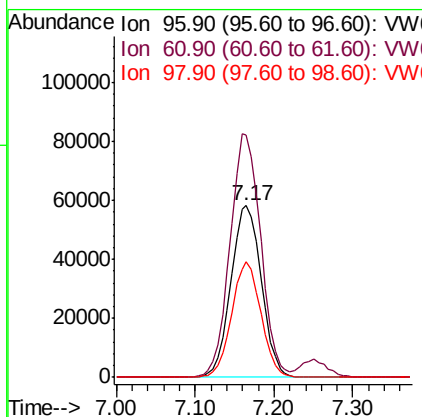
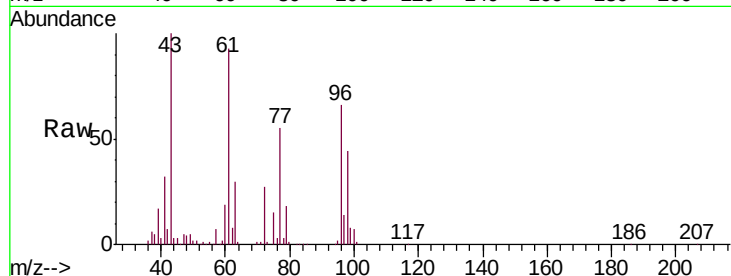


#27

cis-1,2-Dichloroethene
 Concen: 57.980 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

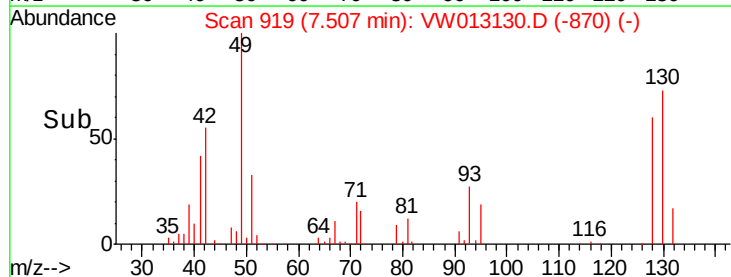
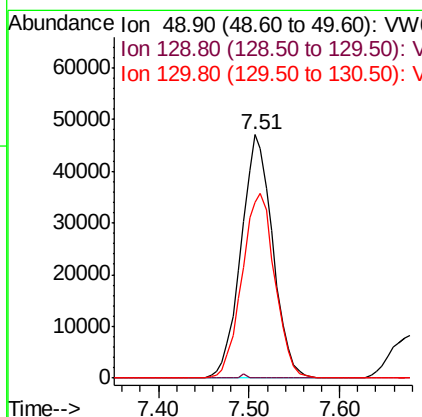
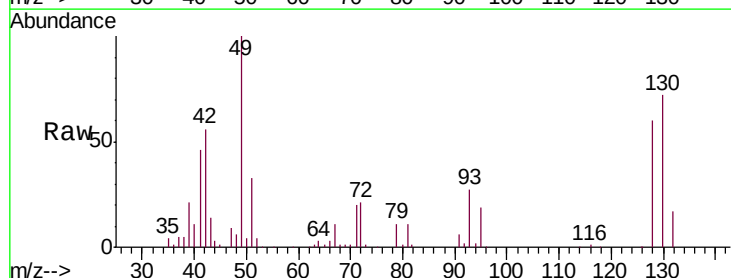
Tgt Ion: 96 Resp: 156618
 Ion Ratio Lower Upper
 96 100
 61 142.7 0.0 315.4
 98 64.8 0.0 131.0

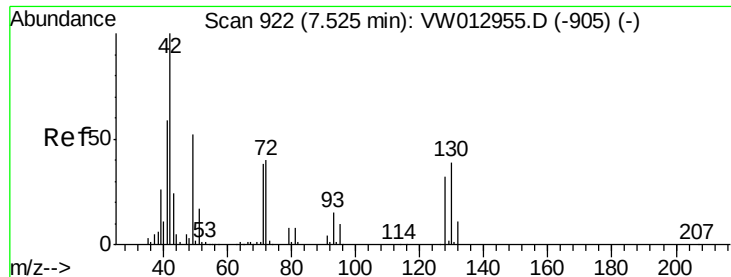


#28

Bromochloromethane
 Concen: 56.345 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

Tgt Ion: 49 Resp: 113605
 Ion Ratio Lower Upper
 49 100
 129 0.3 0.0 1.4
 130 78.6 57.8 86.6

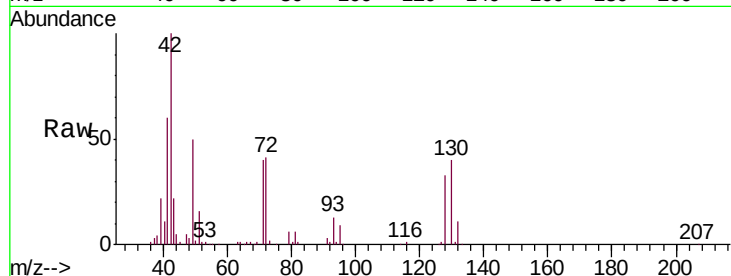




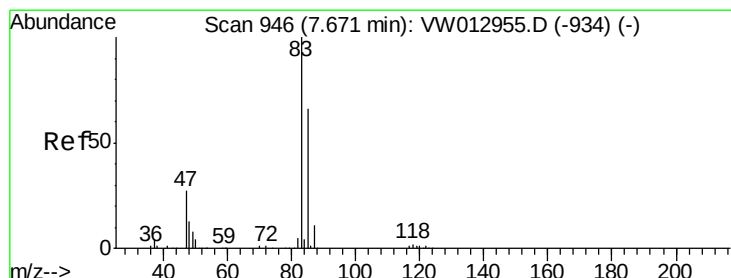
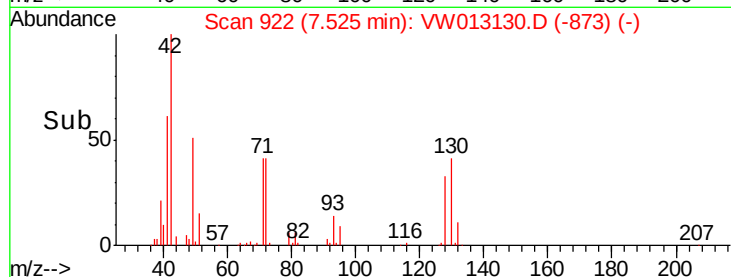
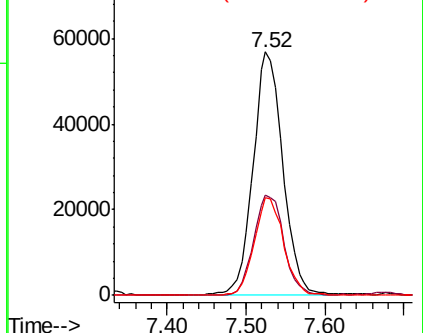
#29
Tetrahydrofuran
Concen: 293.993 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 150137
Ion Ratio Lower Upper
42 100
72 41.5 31.4 47.0
71 39.6 29.8 44.8

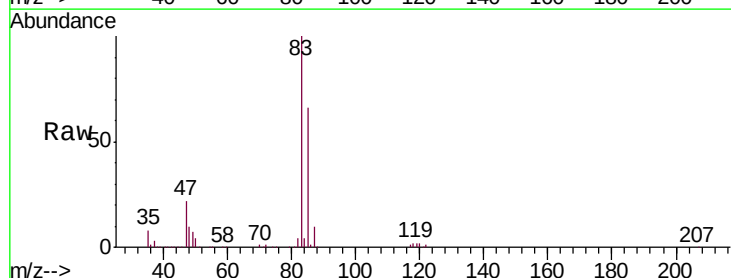


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

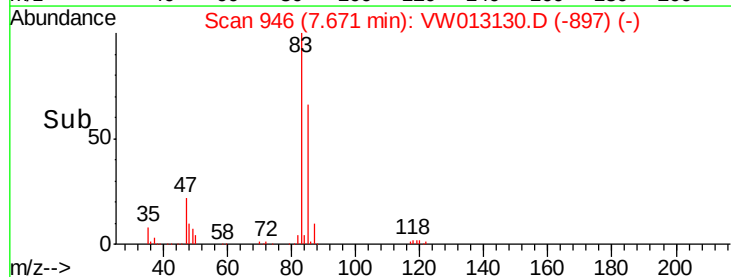
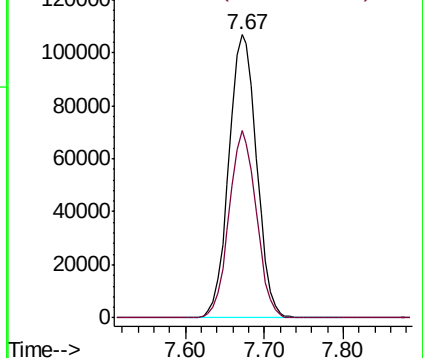


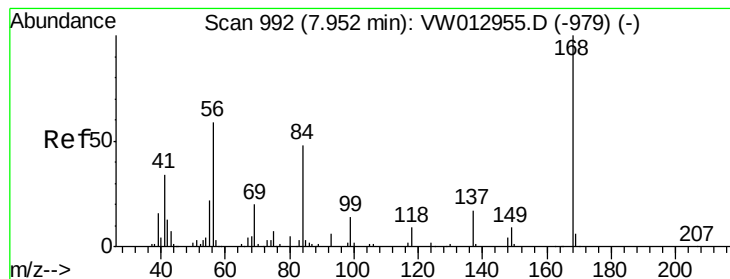
#30
Chloroform
Concen: 53.730 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Tgt Ion: 83 Resp: 261521
Ion Ratio Lower Upper
83 100
85 66.3 52.8 79.2



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





#31

Cyclohexane

Concen: 51.792 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

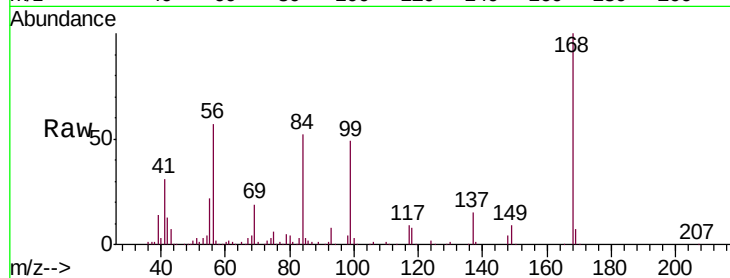
Tgt Ion: 56 Resp: 185691

Ion Ratio Lower Upper

56 100

69 33.0 27.0 40.6

84 90.1 66.2 99.2

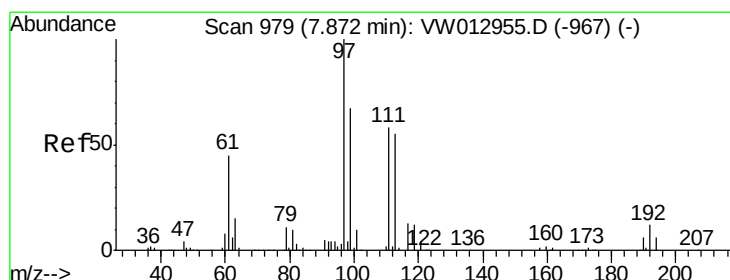
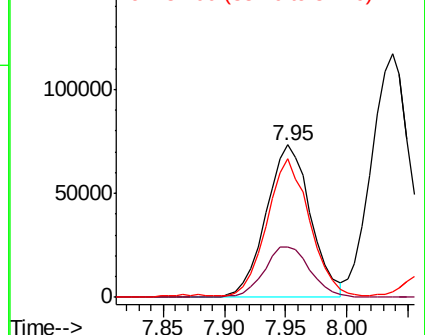
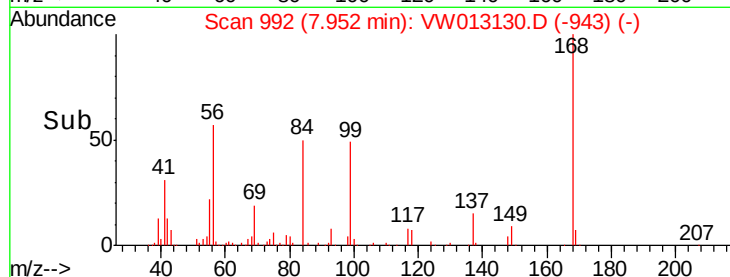


Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 49.052 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

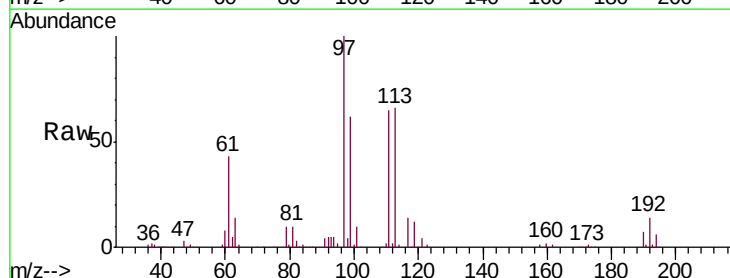
Tgt Ion: 97 Resp: 196615

Ion Ratio Lower Upper

97 100

99 64.5 53.0 79.4

61 42.5 36.5 54.7

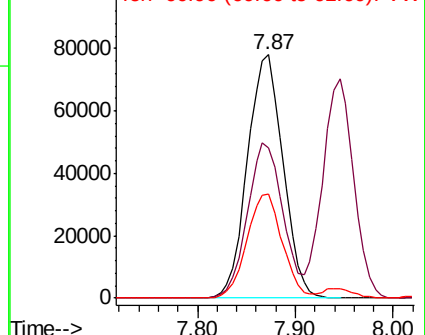
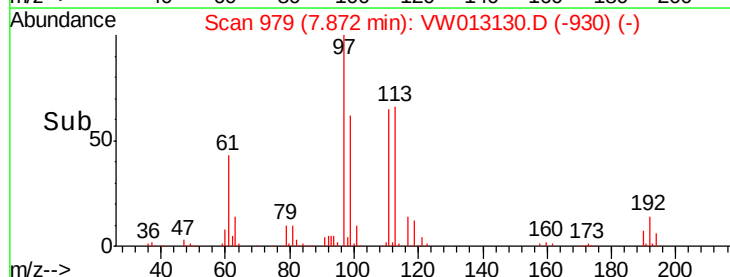


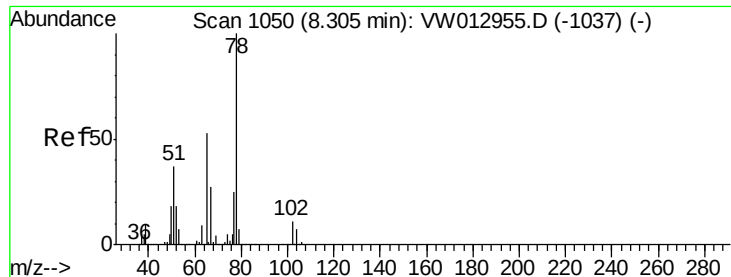
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW

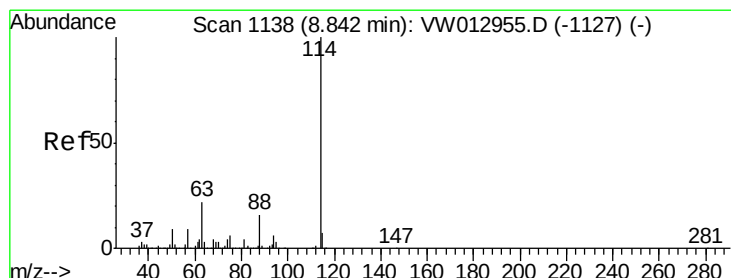
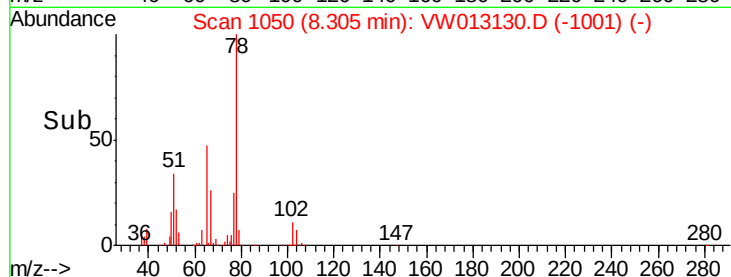
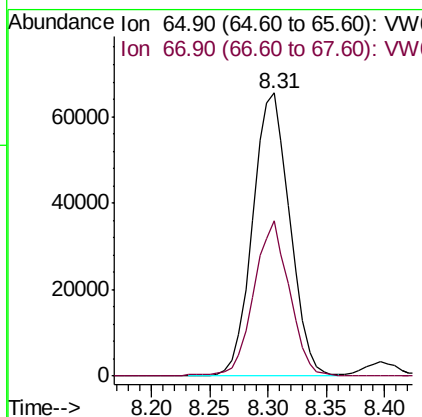
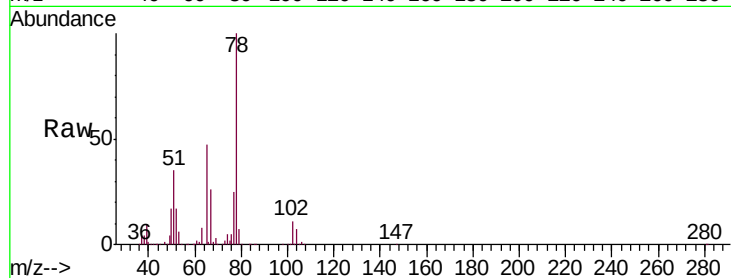




#33
 1,2-Dichloroethane-d4
 Concen: 51.088 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

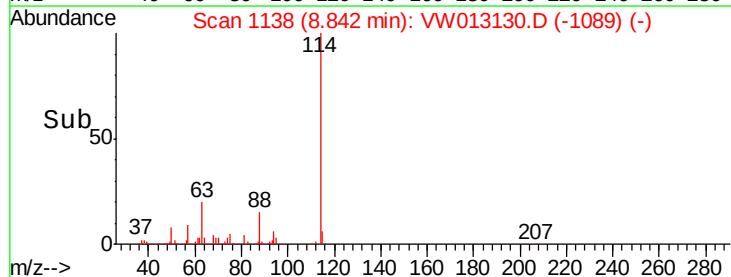
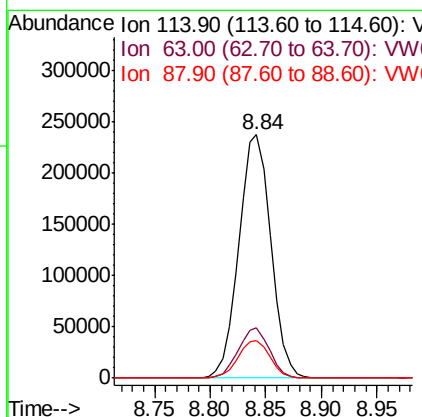
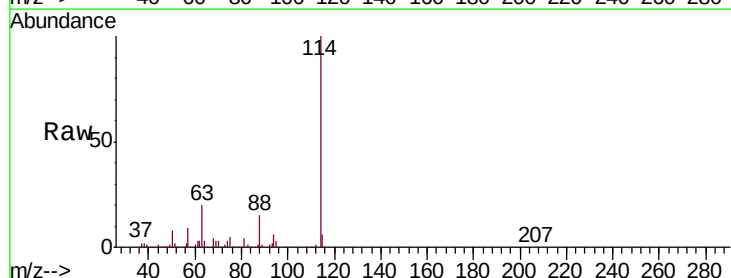
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

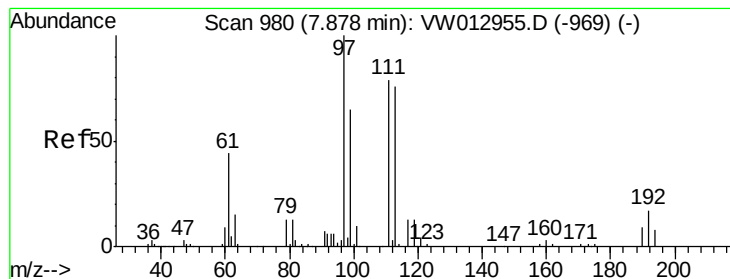
Tgt Ion: 65 Resp: 144002
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

Tgt Ion: 114 Resp: 473596
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 43.4
 88 15.4 0.0 31.6





#35

Dibromofluoromethane

Concen: 53.927 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

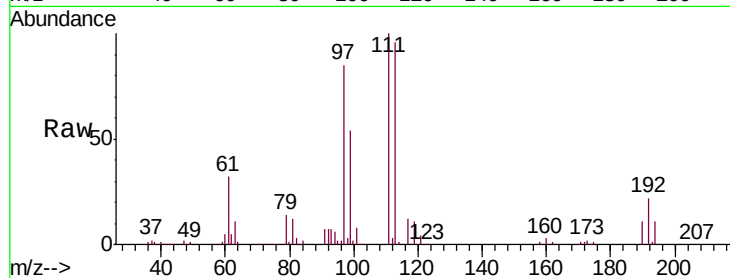
Tgt Ion:113 Resp: 138581

Ion Ratio Lower Upper

113 100

111 102.4 82.8 124.2

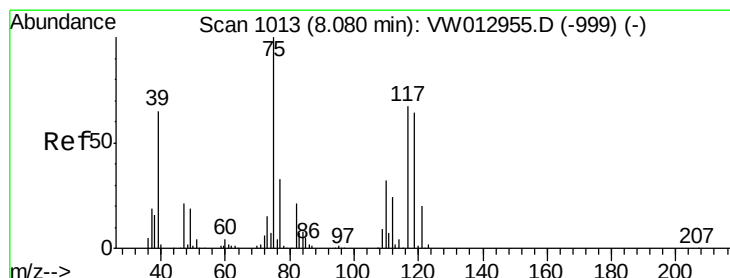
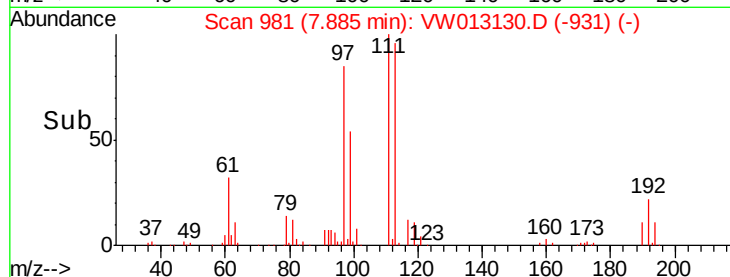
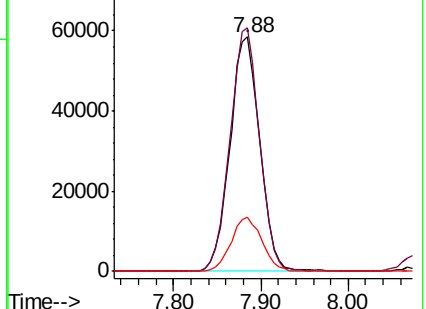
192 23.8 17.8 26.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 46.709 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

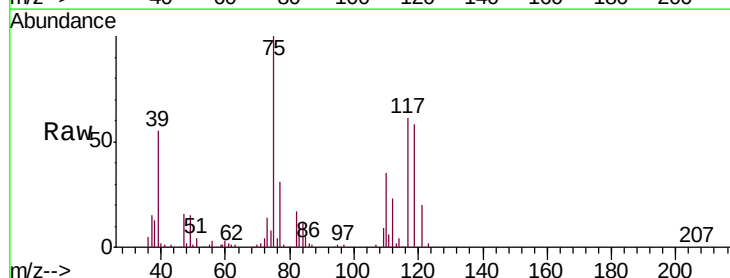
Tgt Ion: 75 Resp: 176769

Ion Ratio Lower Upper

75 100

110 34.7 16.4 49.1

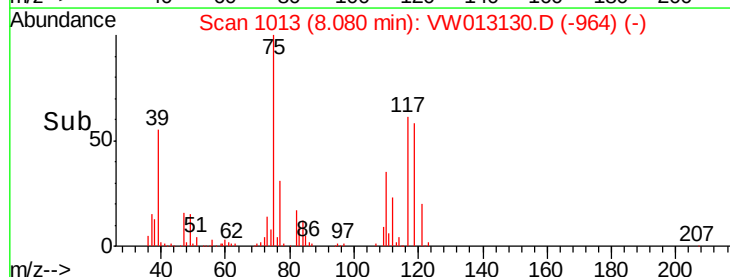
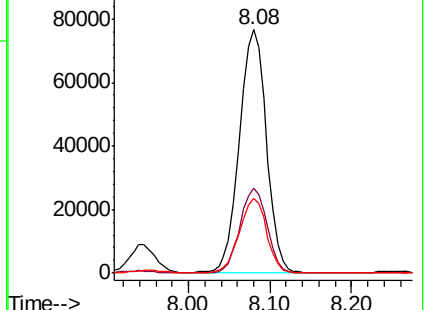
77 30.7 25.1 37.7

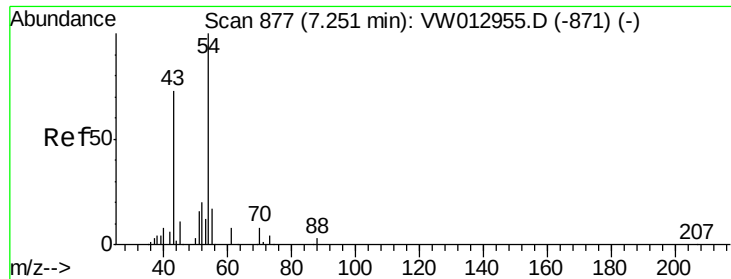


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

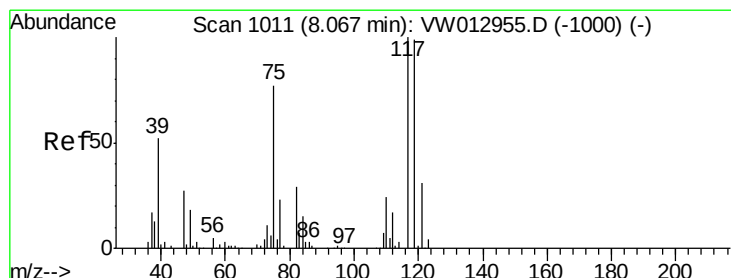
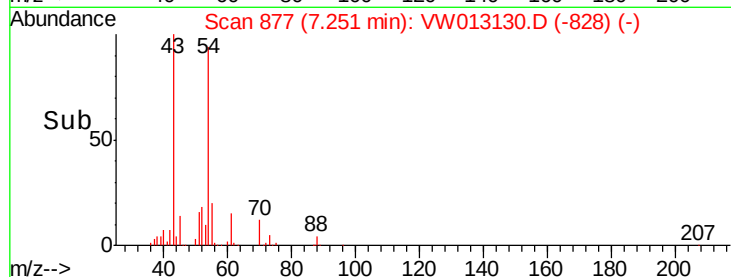
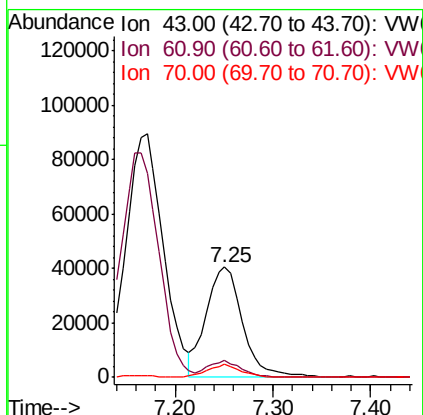
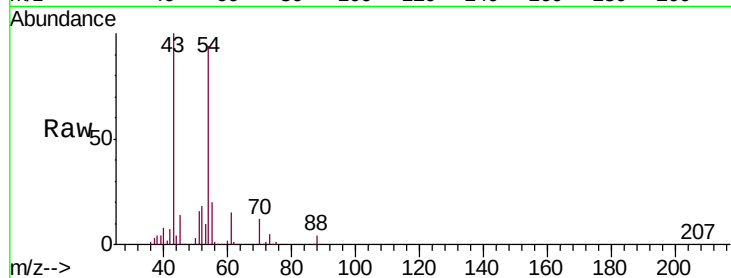




#37
 Ethyl Acetate
 Concen: 51.557 ug/l
 RT: 7.25 min Scan# 877
 Delta R.T. 0.00 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

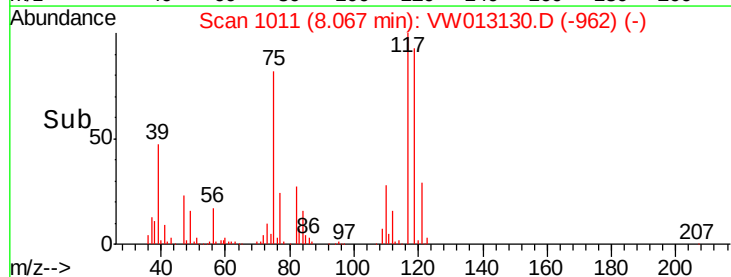
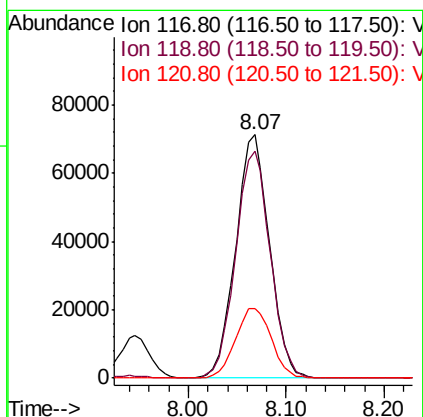
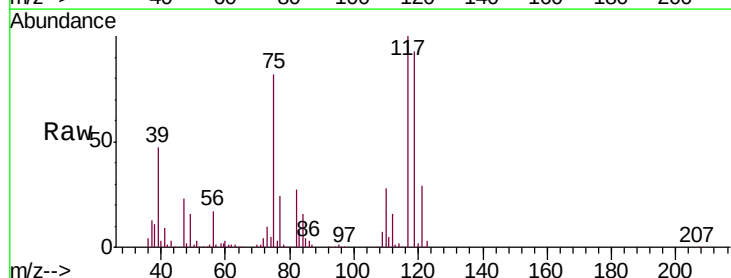
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

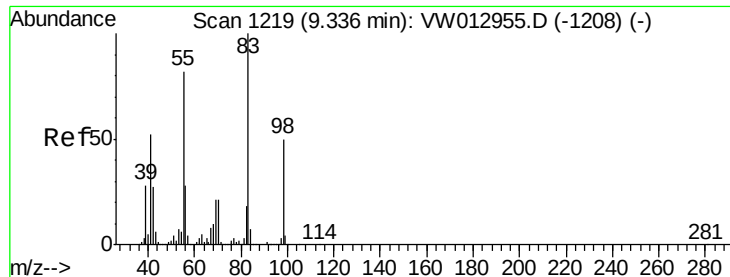
Tgt Ion: 43 Resp: 103564
 Ion Ratio Lower Upper
 43 100
 61 14.1 9.6 14.4
 70 10.9 7.6 11.4



#38
 Carbon Tetrachloride
 Concen: 44.139 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

Tgt Ion: 117 Resp: 171181
 Ion Ratio Lower Upper
 117 100
 119 93.3 79.4 119.0
 121 28.8 24.6 36.8

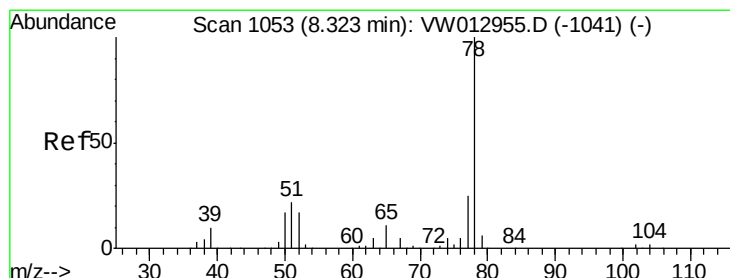
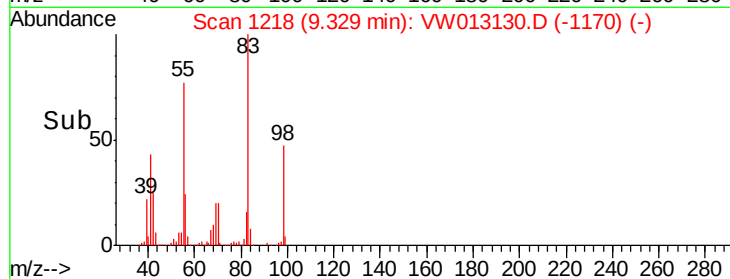
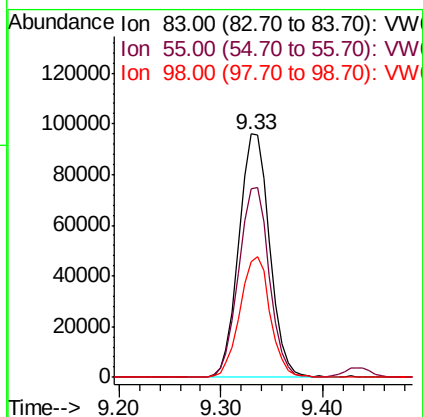
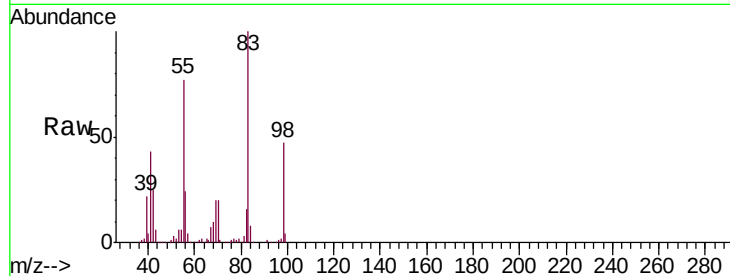




#39
Methylcyclohexane
Concen: 48.568 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

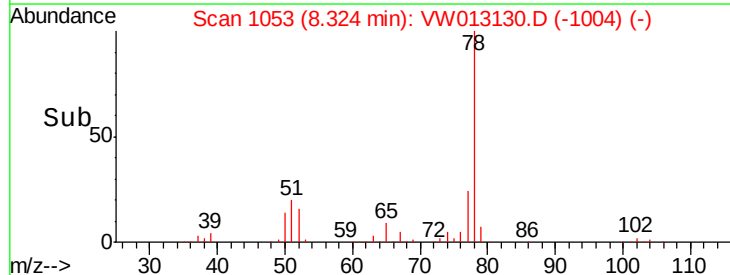
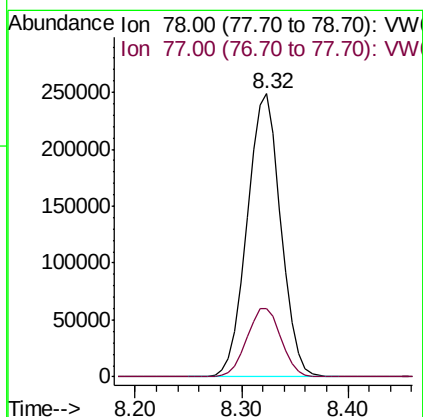
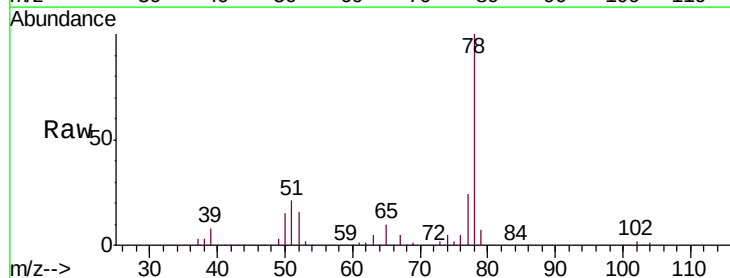
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

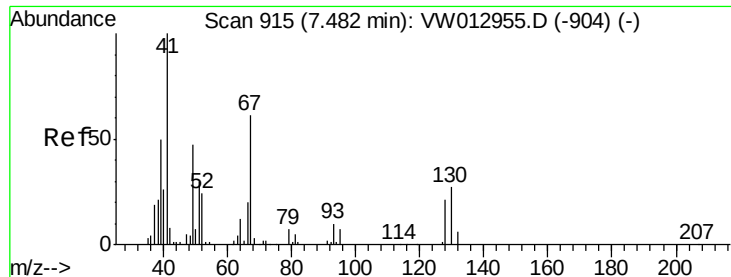
Tgt Ion: 83 Resp: 201408
Ion Ratio Lower Upper
83 100
55 77.4 65.9 98.9
98 47.4 39.6 59.4



#40
Benzene
Concen: 52.171 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Tgt Ion: 78 Resp: 551185
Ion Ratio Lower Upper
78 100
77 24.1 19.6 29.4

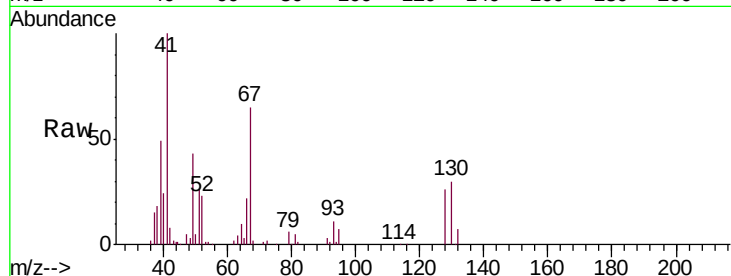




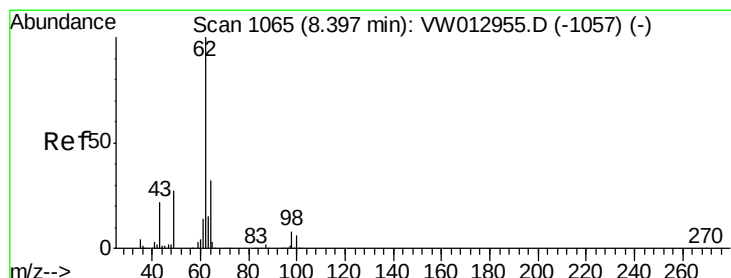
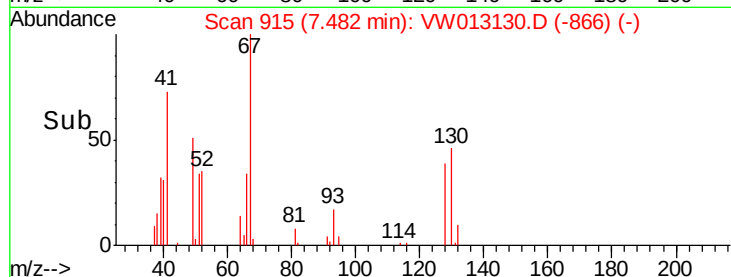
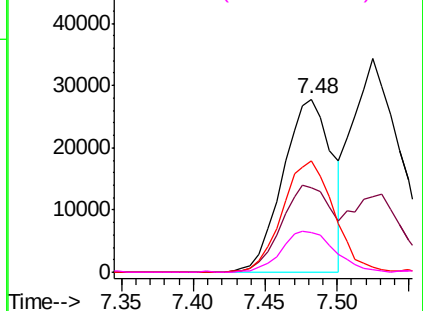
#41
Methacrylonitrile
Concen: 50.072 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	66236
Ion	Ratio	Lower	Upper
41	100		
39	51.2	48.2	72.4
67	67.3	47.5	71.3
52	26.3	21.0	31.4

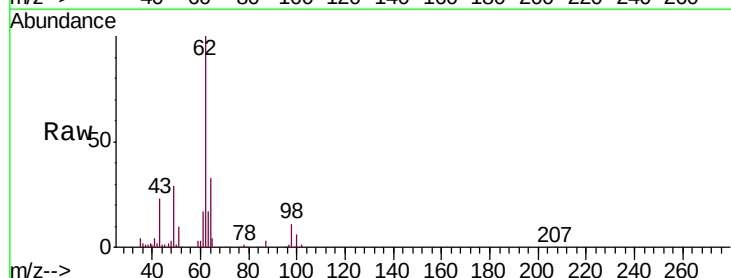


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

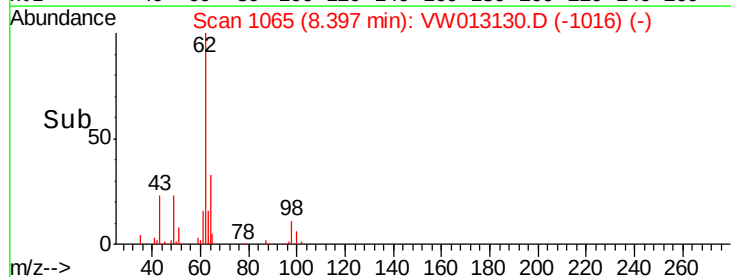
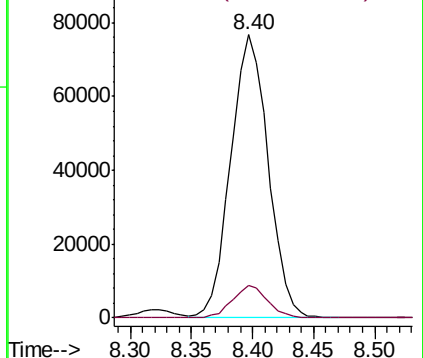


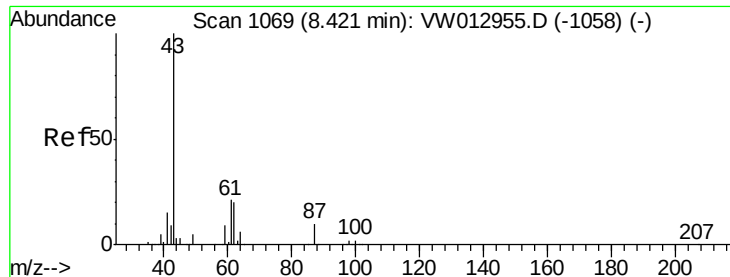
#42
1,2-Dichloroethane
Concen: 46.006 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Tgt Ion:	62	Resp:	162933
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	16.8



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





#43

Isopropyl Acetate

Concen: 52.468 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

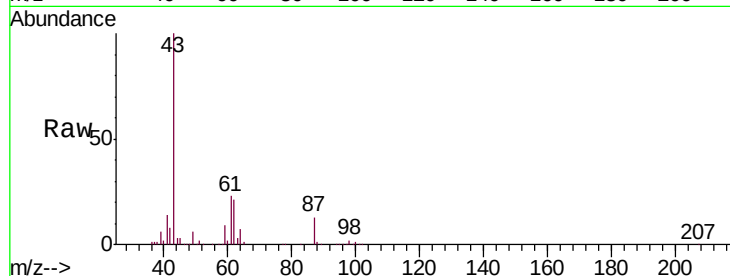
Tgt Ion: 43 Resp: 202360

Ion Ratio Lower Upper

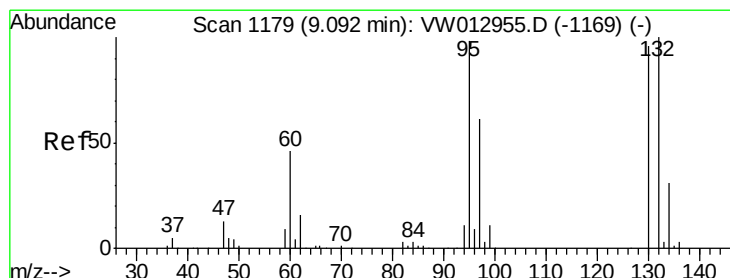
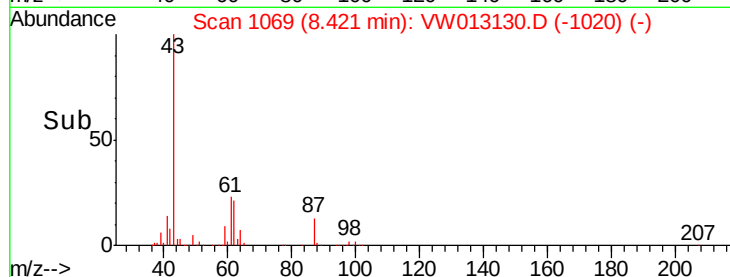
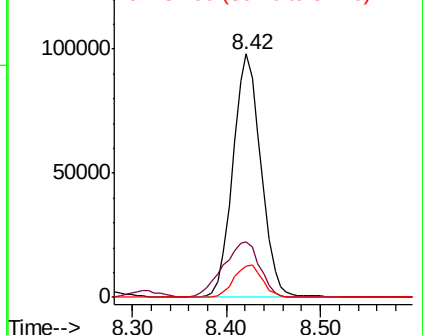
43 100

61 29.7 22.7 34.1

87 13.5 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: 52.367 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW013130.D

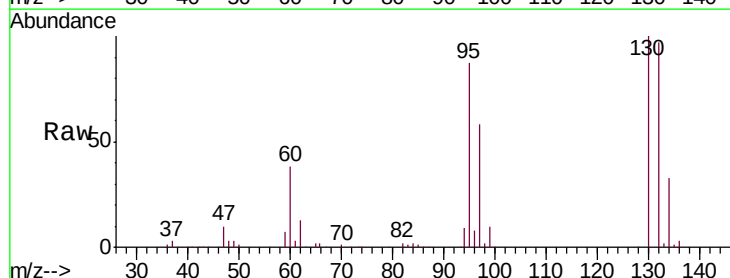
Acq: 18 Sep 2019 22:55

Tgt Ion: 130 Resp: 151541

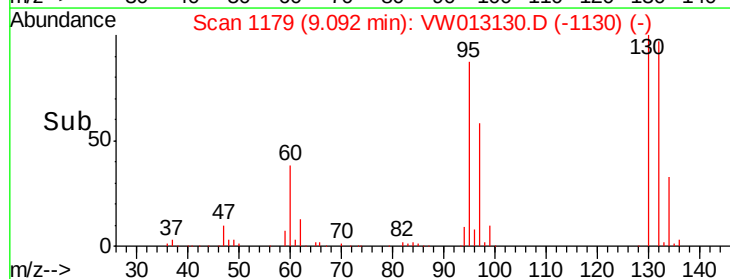
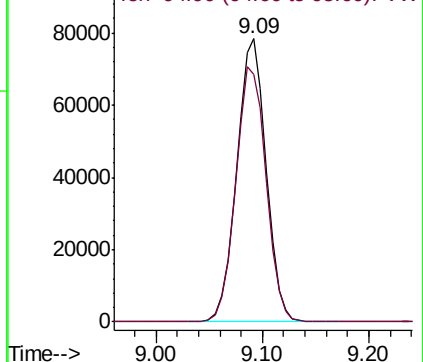
Ion Ratio Lower Upper

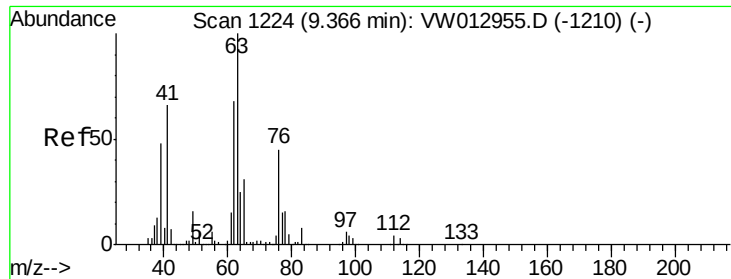
130 100

95 87.3 0.0 204.4



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

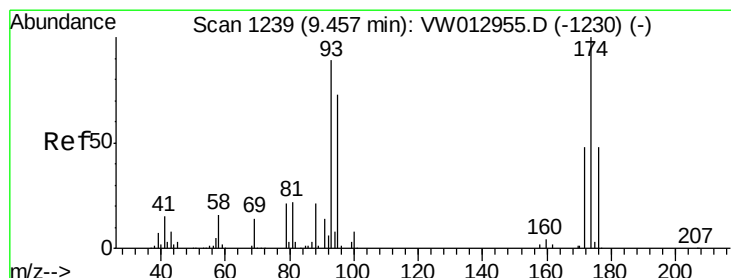
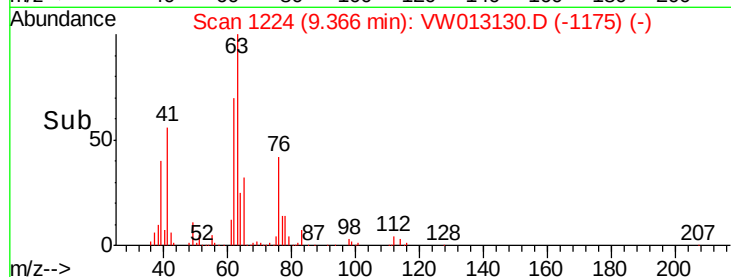
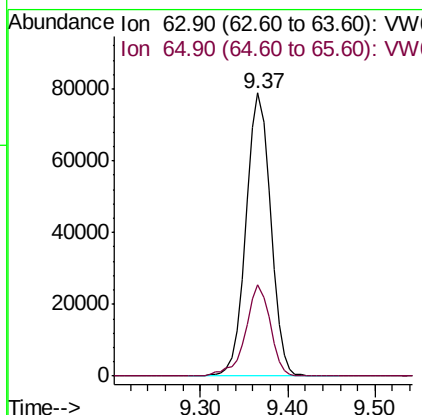
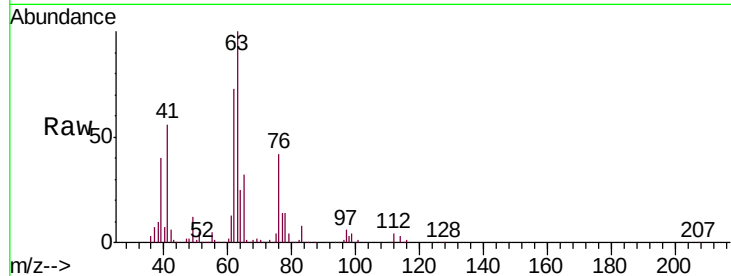




#45
 1,2-Dichloropropane
 Concen: 54.960 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

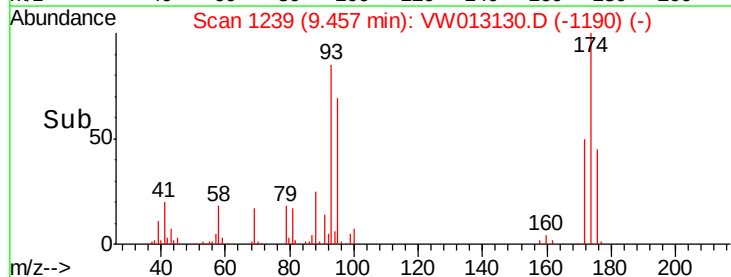
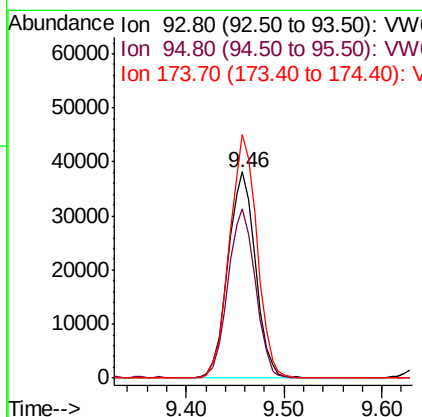
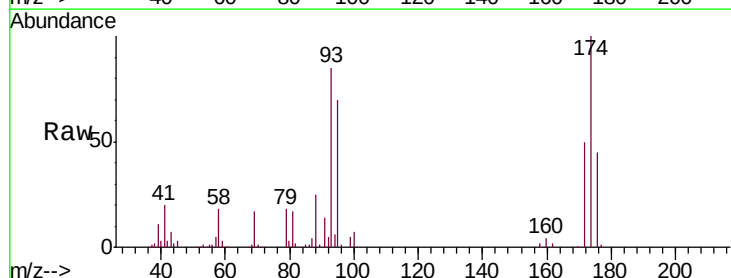
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

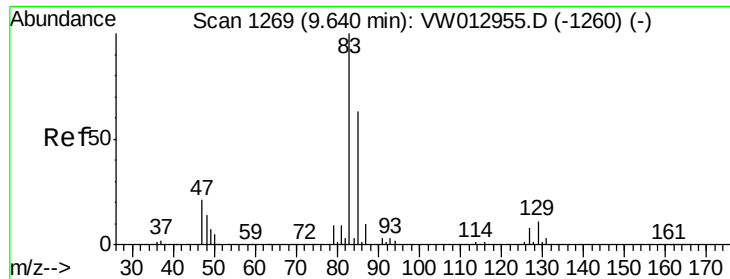
Tgt Ion: 63 Resp: 154269
 Ion Ratio Lower Upper
 63 100
 65 32.5 24.6 37.0



#46
 Dibromomethane
 Concen: 55.248 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

Tgt Ion: 93 Resp: 74297
 Ion Ratio Lower Upper
 93 100
 95 82.2 67.0 100.4
 174 117.7 90.5 135.7





#47

Bromodichloromethane

Concen: 51.183 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

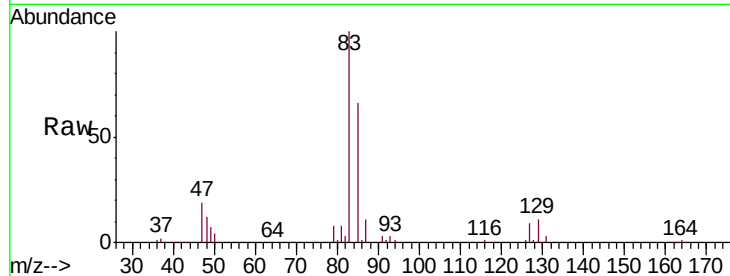
Tgt Ion: 83 Resp: 193070

Ion Ratio Lower Upper

83 100

85 66.3 50.6 75.8

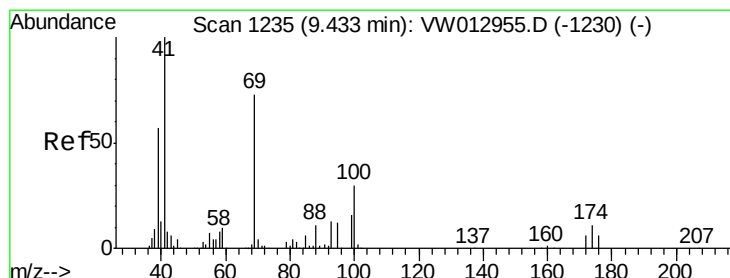
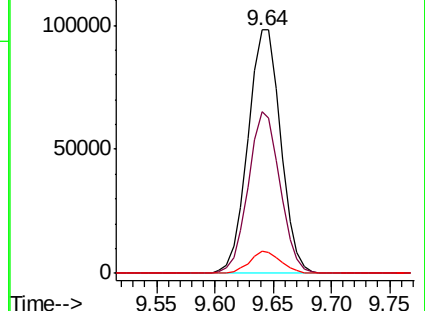
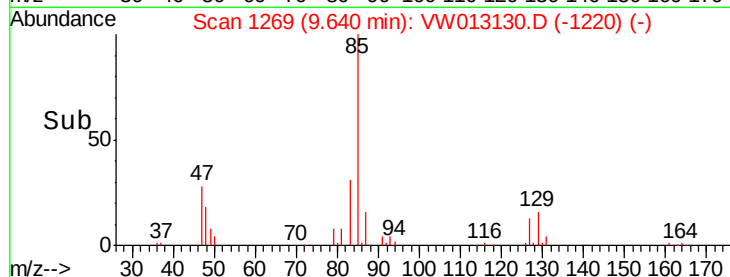
127 8.9 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 52.221 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

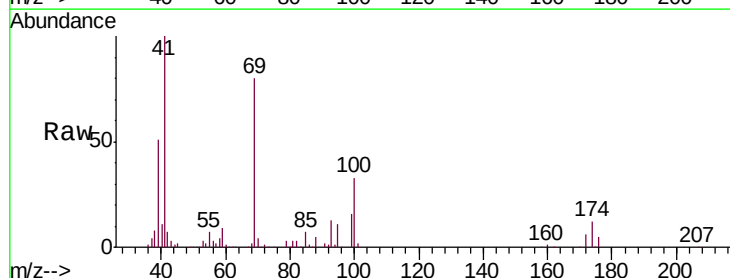
Tgt Ion: 41 Resp: 94524

Ion Ratio Lower Upper

41 100

69 88.7 62.8 94.2

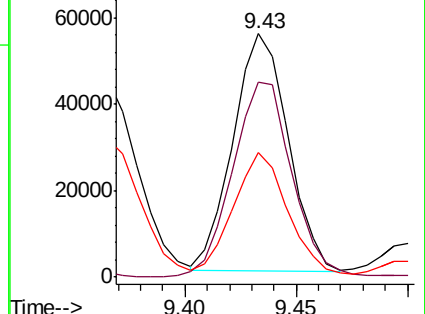
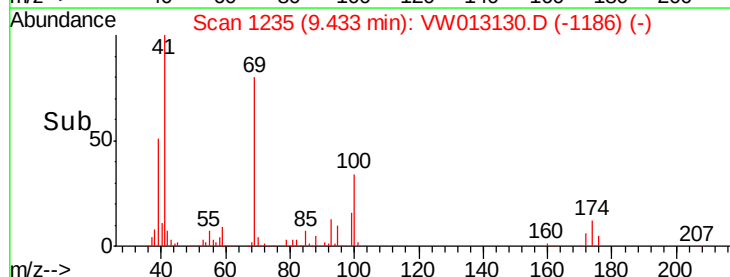
39 53.4 48.5 72.7

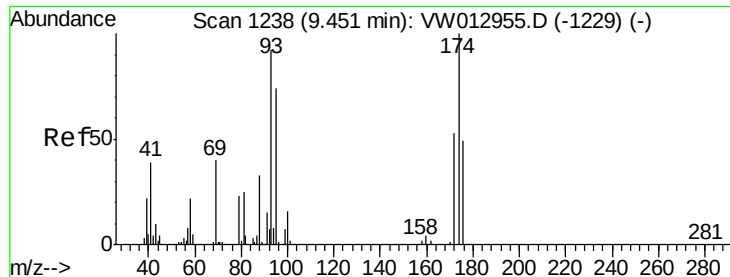


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1148.409 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

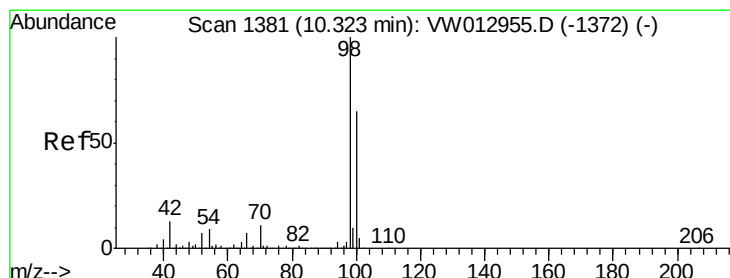
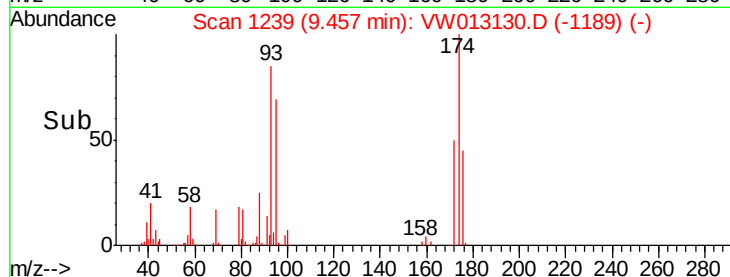
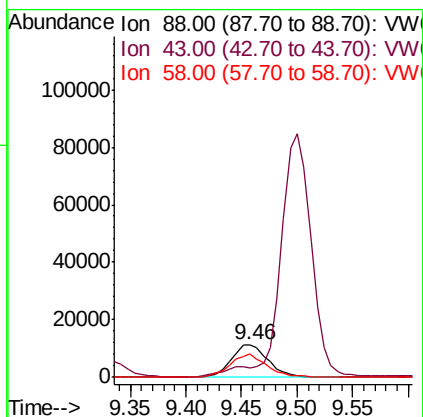
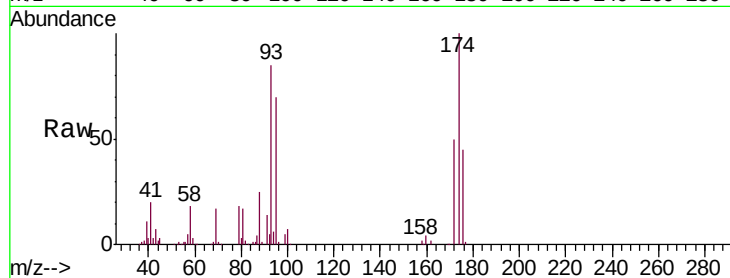
Tgt Ion: 88 Resp: 25878

Ion Ratio Lower Upper

88 100

43 0.0 31.3 46.9#

58 73.4 60.2 90.2



#50

Toluene-d8

Concen: 54.912 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013130.D

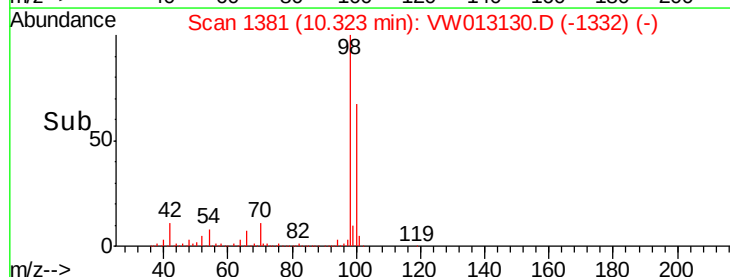
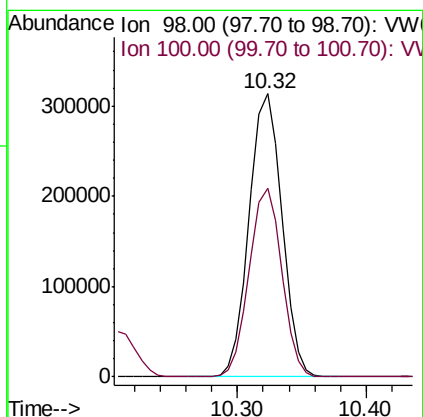
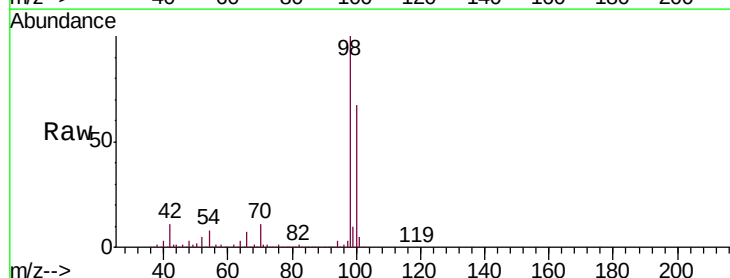
Acq: 18 Sep 2019 22:55

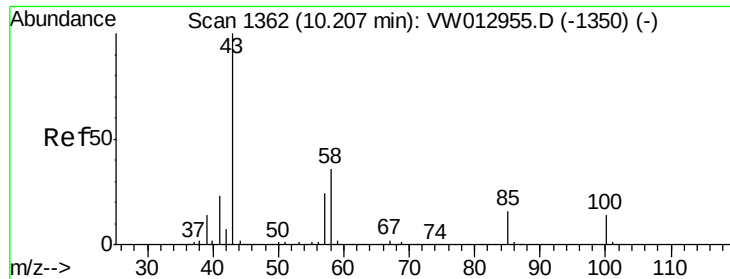
Tgt Ion: 98 Resp: 552189

Ion Ratio Lower Upper

98 100

100 66.1 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 269.319 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

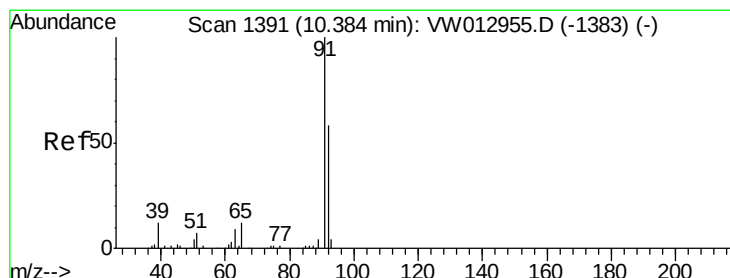
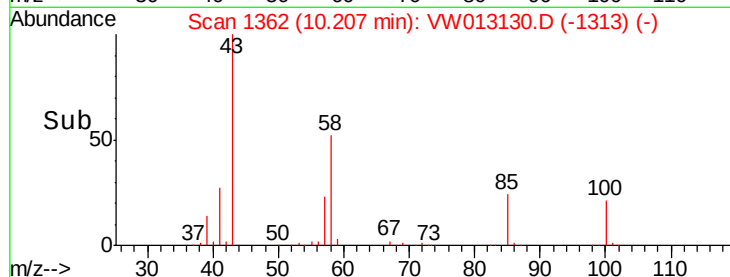
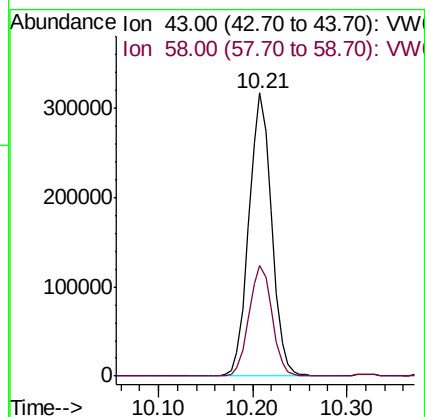
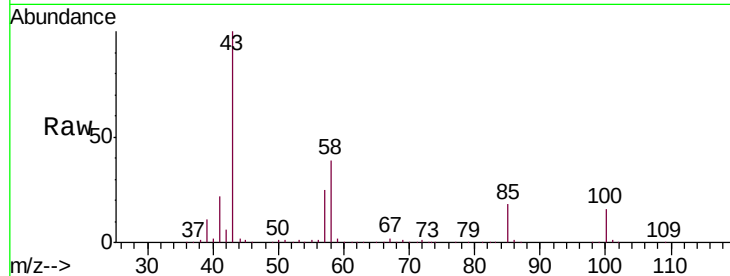
VSTDCCC050

Tgt Ion: 43 Resp: 536269

Ion Ratio Lower Upper

43 100

58 39.6 29.5 44.3



#52

Toluene

Concen: 53.935 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013130.D

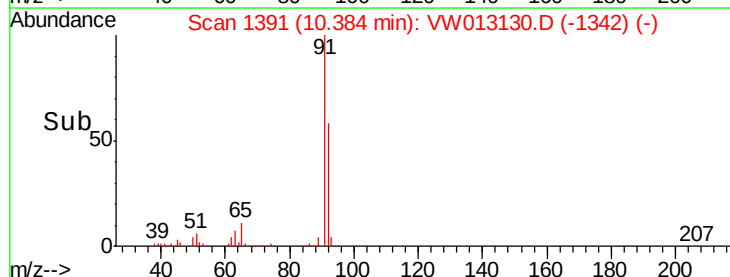
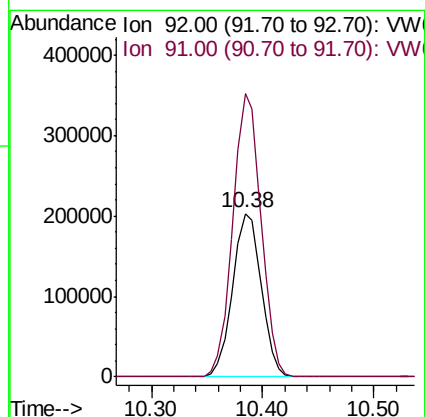
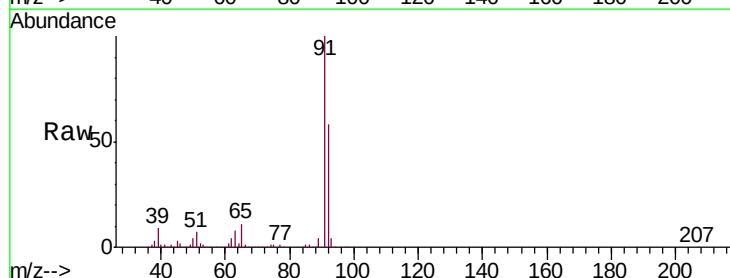
Acq: 18 Sep 2019 22:55

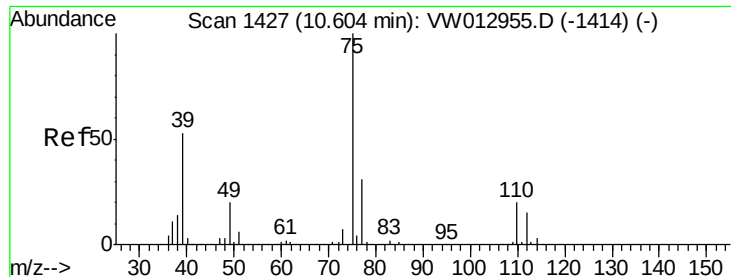
Tgt Ion: 92 Resp: 362084

Ion Ratio Lower Upper

92 100

91 170.6 137.5 206.3





#53

t-1,3-Dichloropropene

Concen: 51.796 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

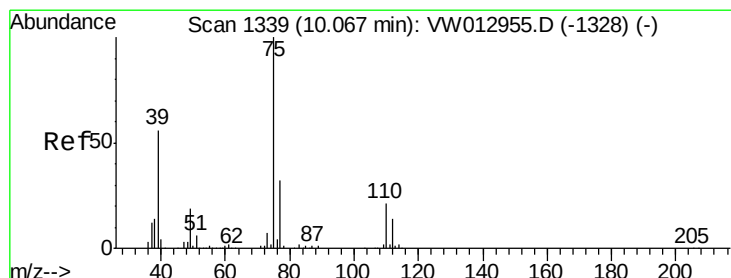
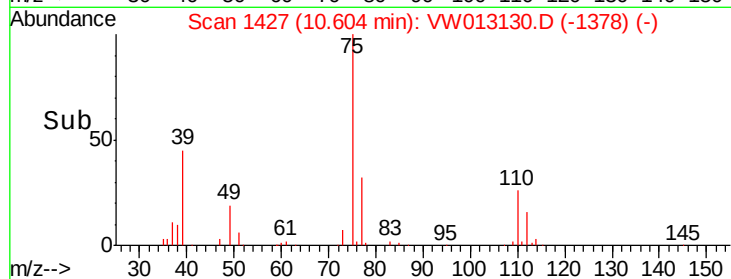
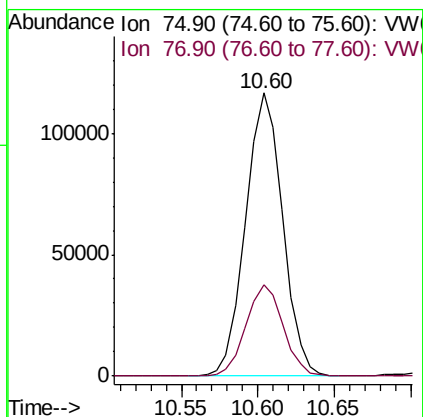
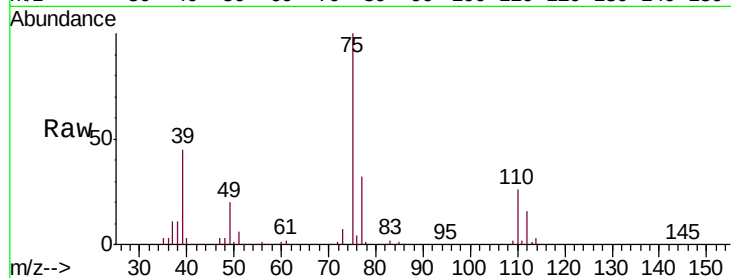
VSTDCCC050

Tgt Ion: 75 Resp: 196498

Ion Ratio Lower Upper

75 100

77 32.3 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 54.283 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

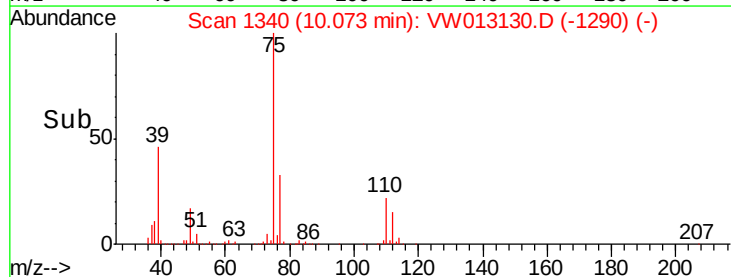
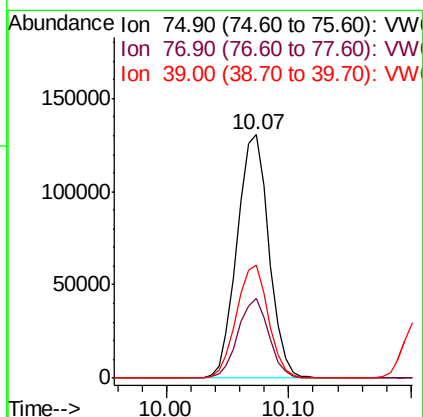
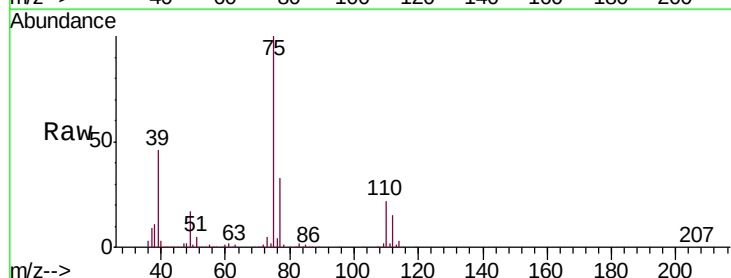
Tgt Ion: 75 Resp: 235627

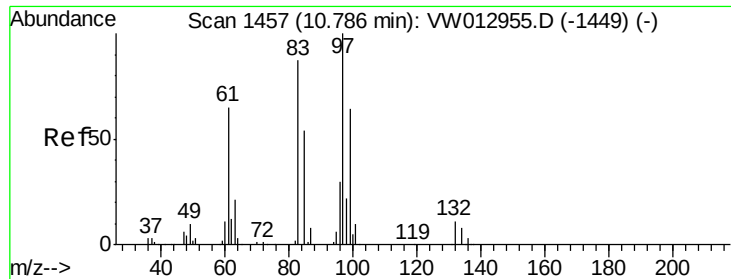
Ion Ratio Lower Upper

75 100

77 32.8 25.5 38.3

39 46.5 45.0 67.6

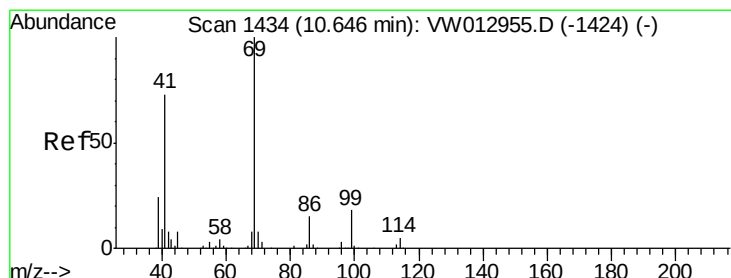
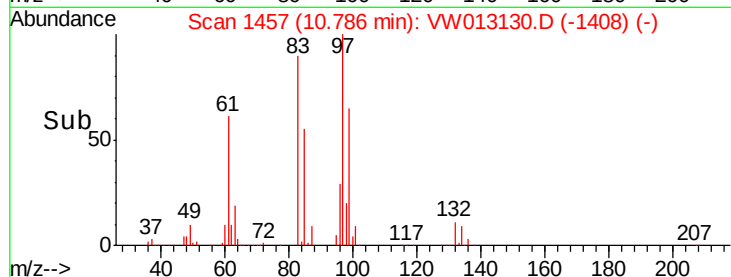
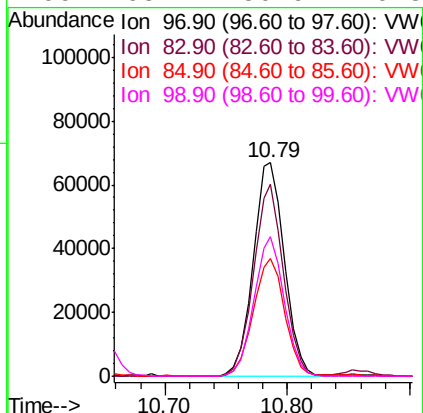
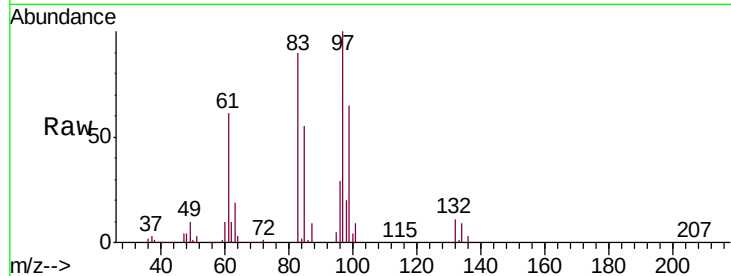




#55
 1,1,2-Trichloroethane
 Concen: 58.021 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

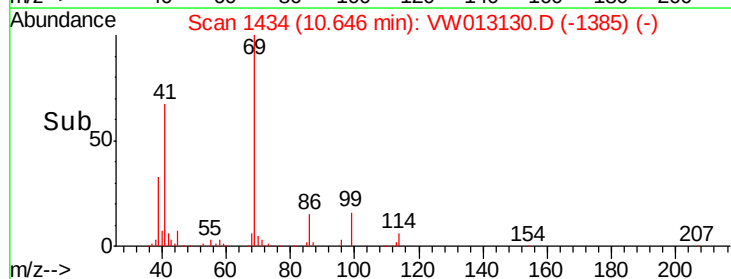
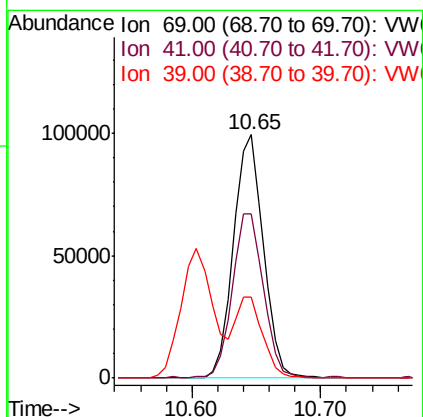
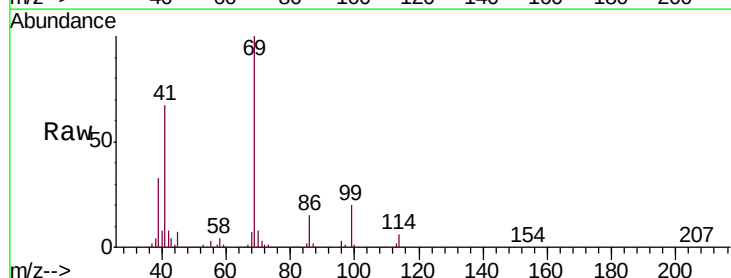
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

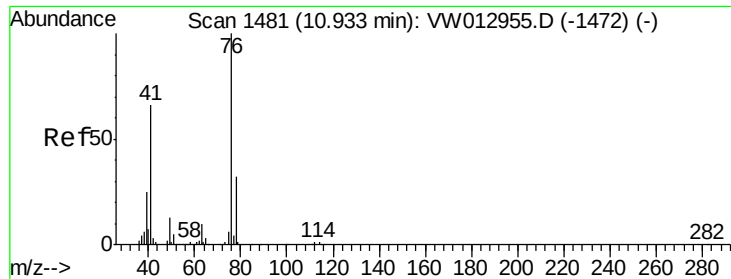
Tgt Ion:	97	Resp:	118865
Ion	Ratio	Lower	Upper
97	100		
83	89.7	69.4	104.0
85	54.8	43.3	64.9
99	65.1	50.9	76.3



#56
 Ethyl methacrylate
 Concen: 58.247 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

Tgt Ion:	69	Resp:	160619
Ion	Ratio	Lower	Upper
69	100		
41	69.3	60.8	91.2
39	29.9	29.4	44.0

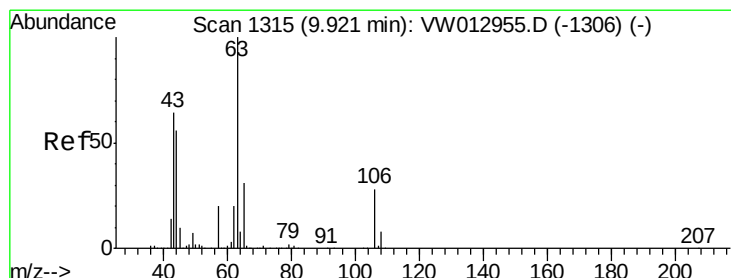
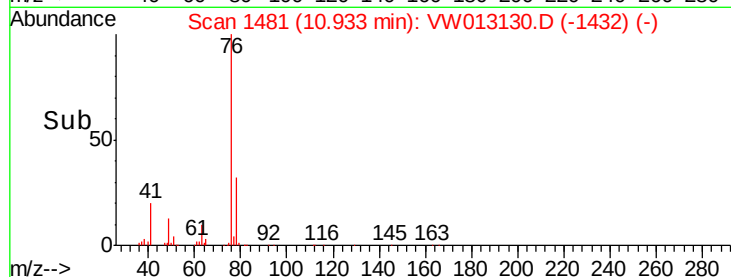
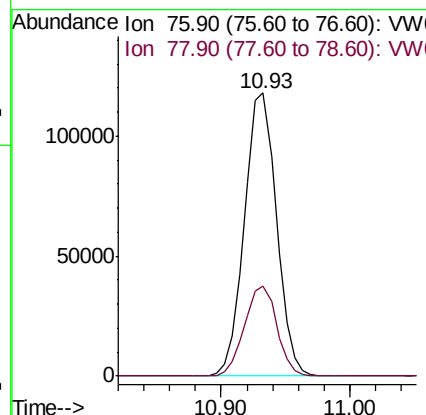
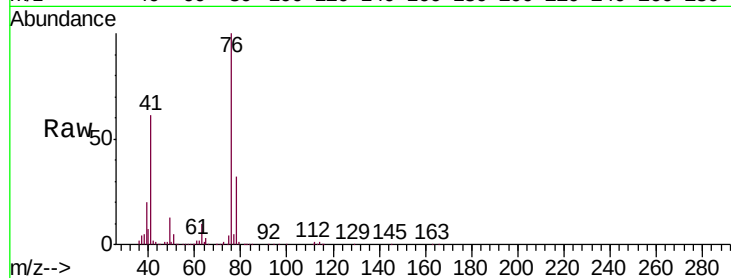




#57
 1,3-Dichloropropane
 Concen: 55.826 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

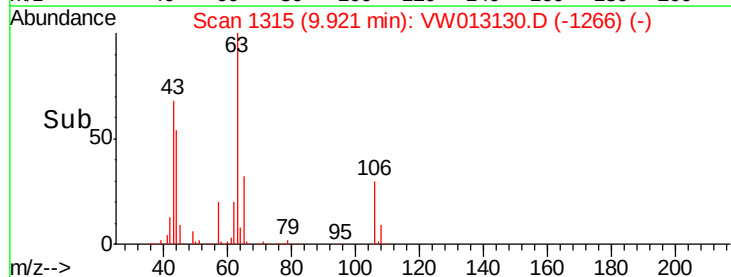
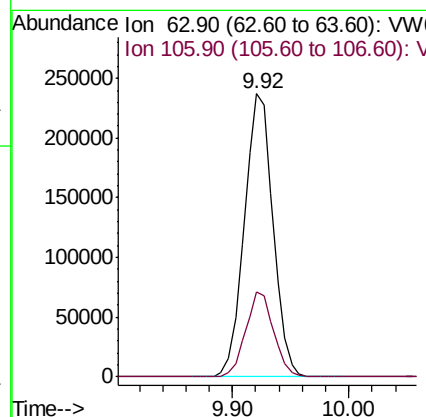
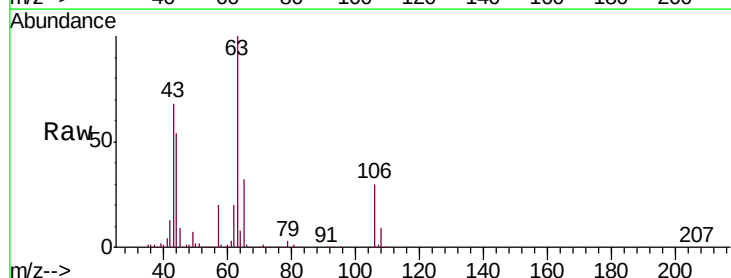
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

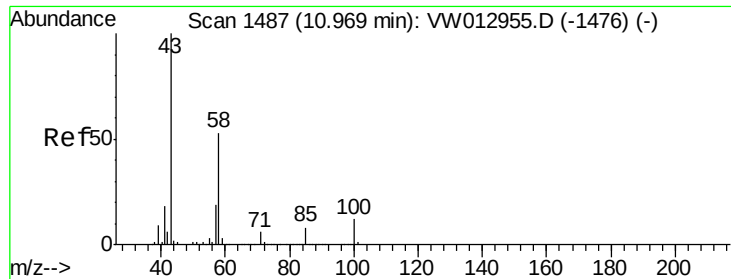
Tgt Ion: 76 Resp: 202881
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 275.419 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

Tgt Ion: 63 Resp: 407408
 Ion Ratio Lower Upper
 63 100
 106 29.2 22.2 33.2

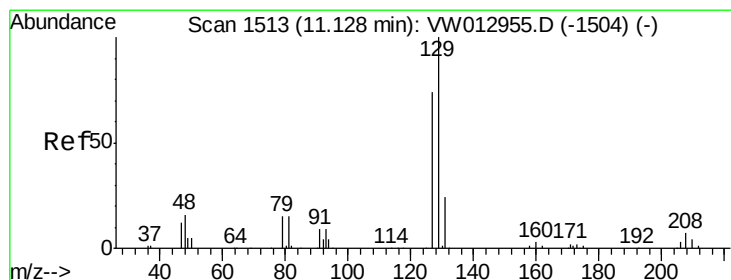
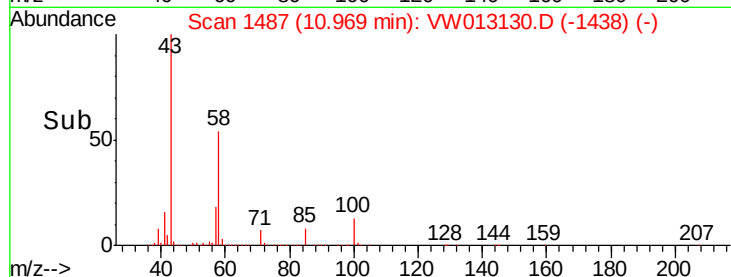
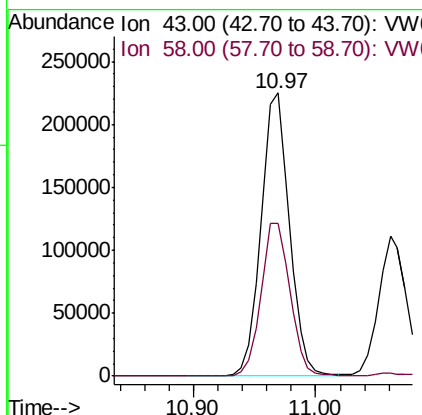
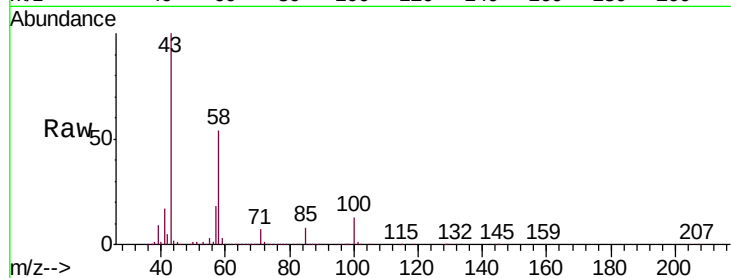




#59
2-Hexanone
Concen: 262.271 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

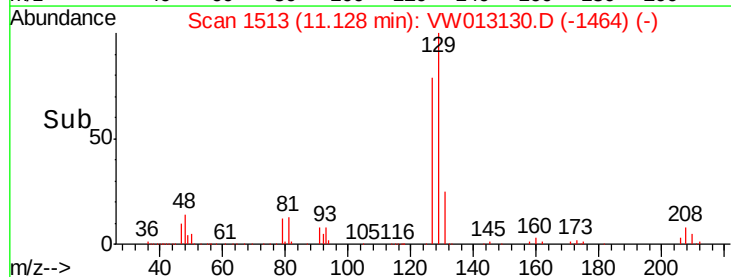
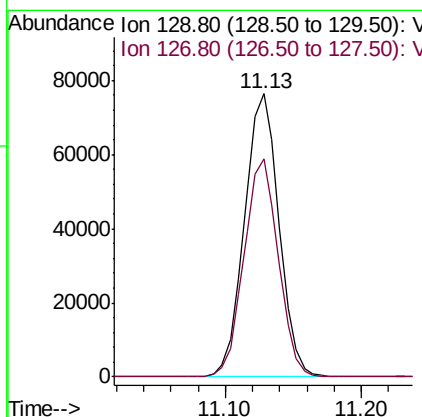
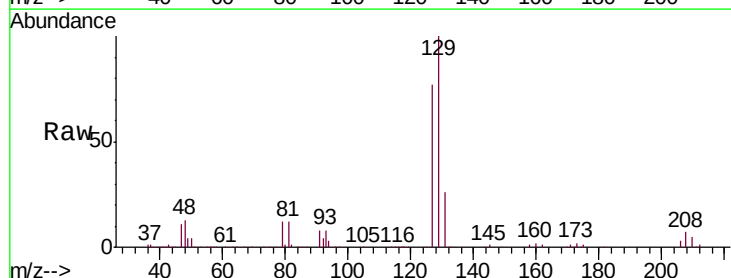
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

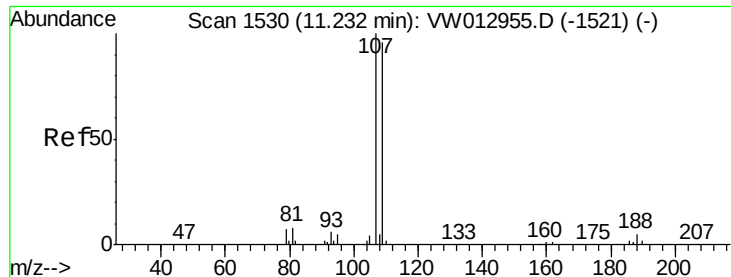
Tgt Ion: 43 Resp: 363637
Ion Ratio Lower Upper
43 100
58 55.4 25.8 77.3



#60
Dibromochloromethane
Concen: 54.940 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Tgt Ion: 129 Resp: 136077
Ion Ratio Lower Upper
129 100
127 76.5 37.4 112.2

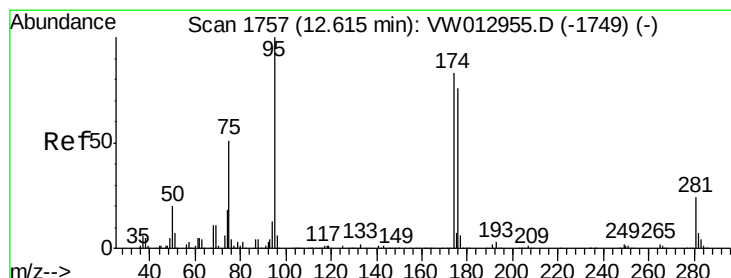
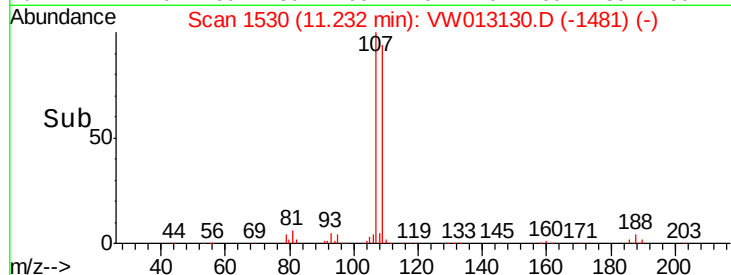
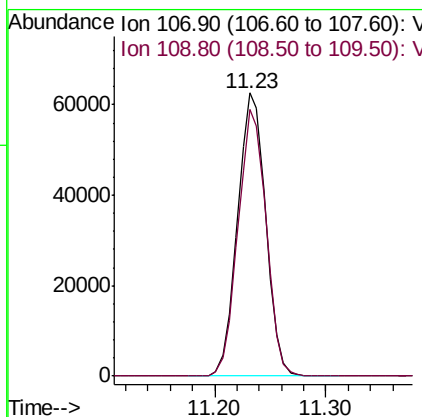
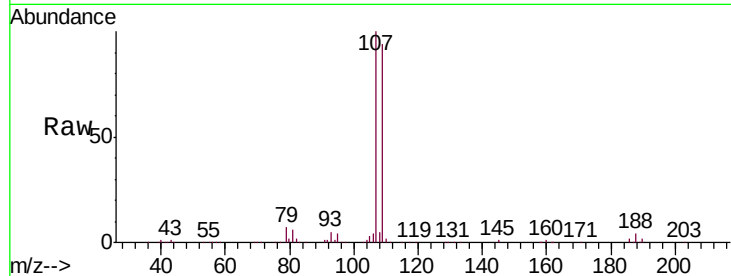




#61
 1,2-Dibromoethane
 Concen: 58.519 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

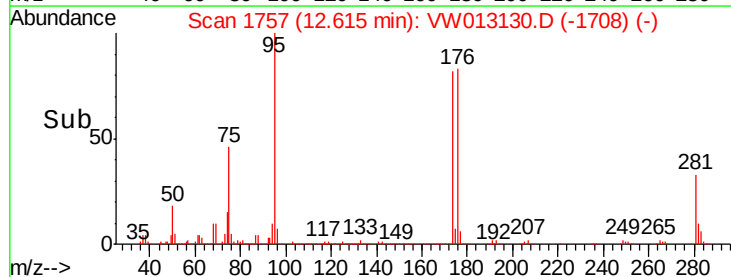
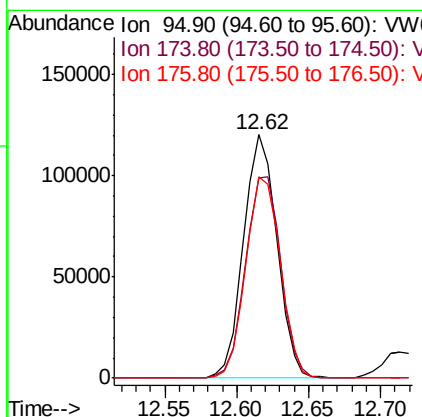
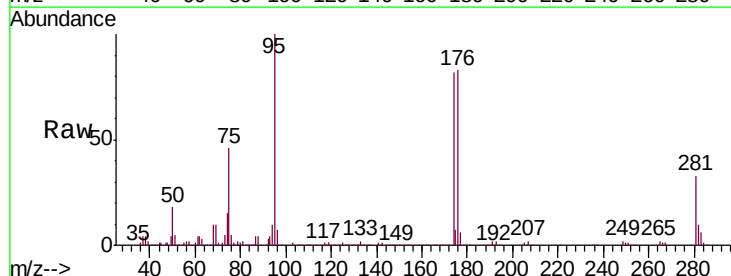
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

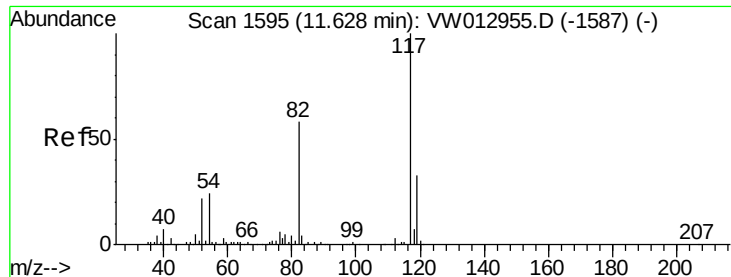
Tgt Ion: 107 Resp: 109363
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 53.311 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

Tgt Ion: 95 Resp: 192764
 Ion Ratio Lower Upper
 95 100
 174 87.3 0.0 170.4
 176 85.6 0.0 164.6

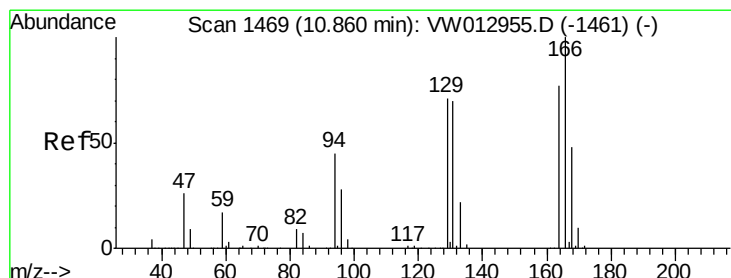
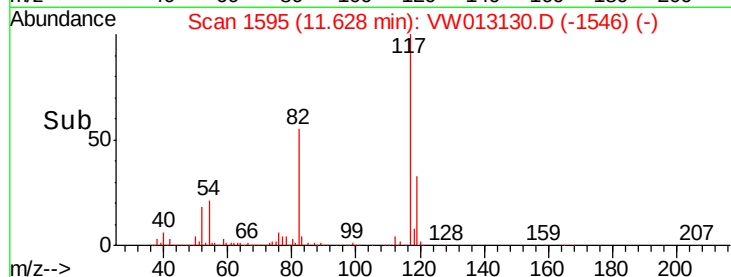
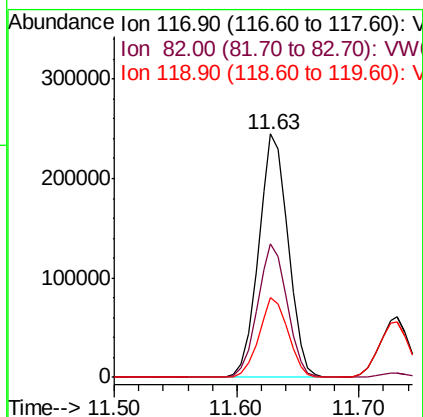
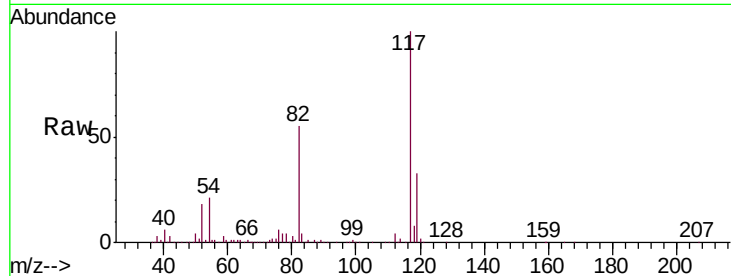




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

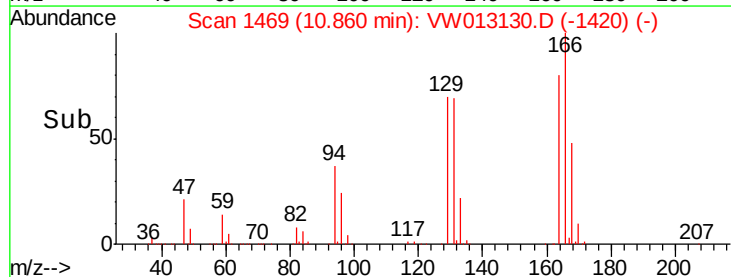
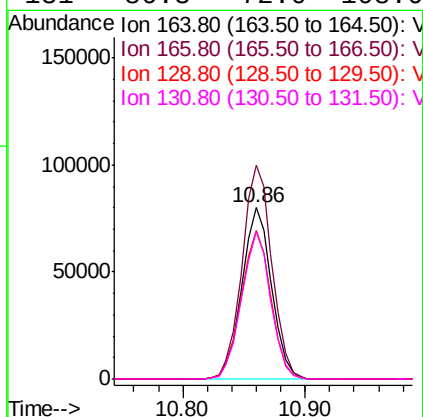
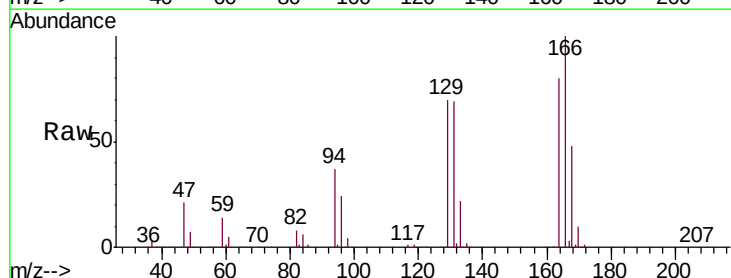
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

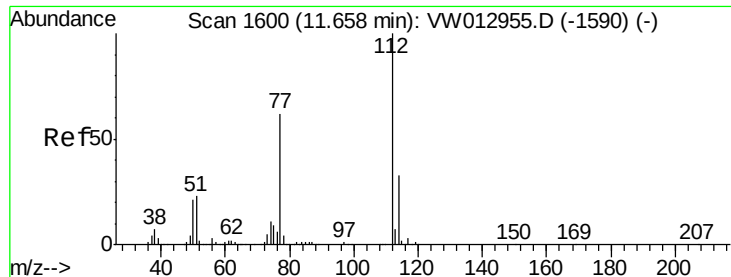
Tgt Ion:117 Resp: 409262
Ion Ratio Lower Upper
117 100
82 55.0 46.3 69.5
119 32.6 26.2 39.4



#64
Tetrachloroethene
Concen: 55.237 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Tgt Ion:164 Resp: 134486
Ion Ratio Lower Upper
164 100
166 124.7 103.3 154.9
129 87.1 73.8 110.8
131 86.3 72.0 108.0

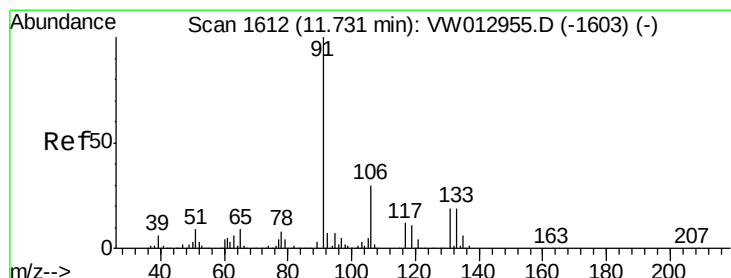
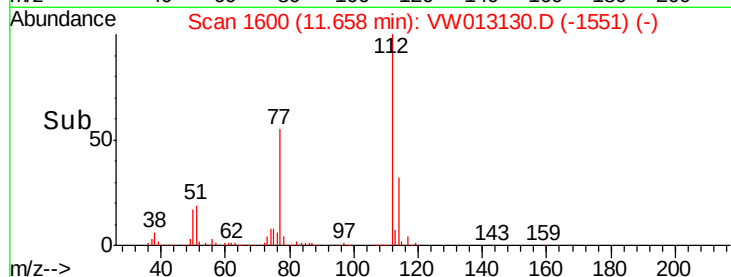
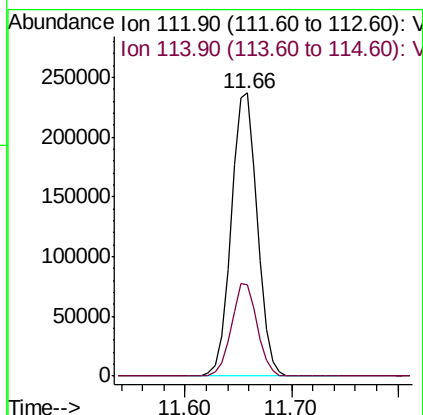
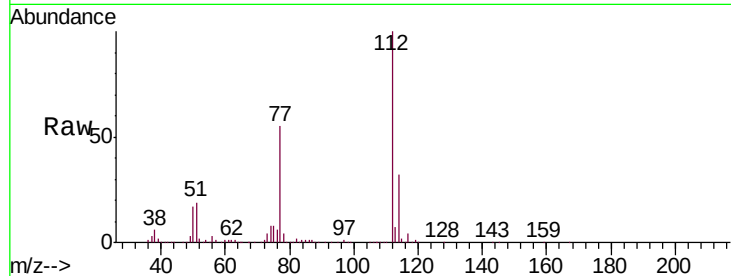




#65
Chlorobenzene
Concen: 55.717 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

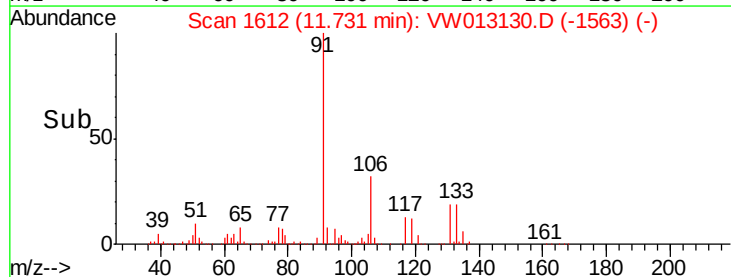
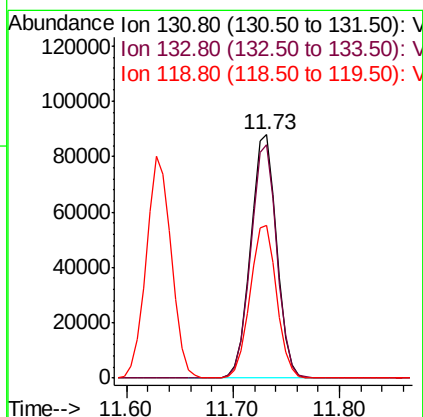
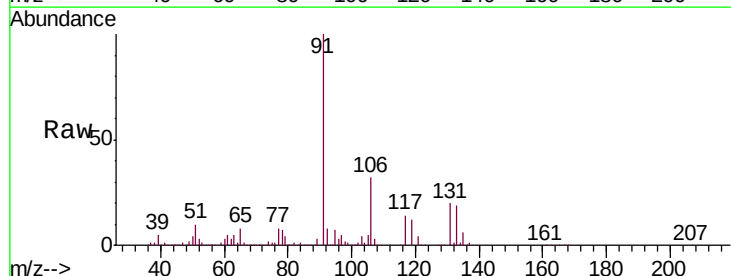
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

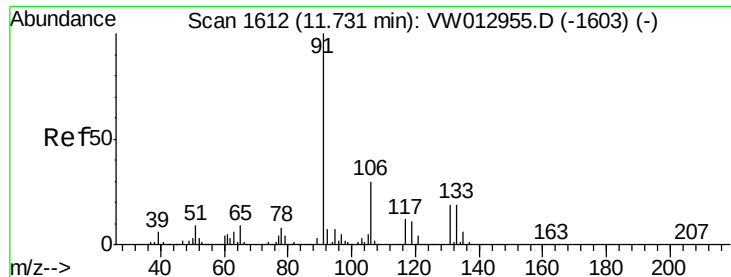
Tgt Ion:112 Resp: 406174
Ion Ratio Lower Upper
112 100
114 32.1 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 54.089 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Tgt Ion:131 Resp: 151103
Ion Ratio Lower Upper
131 100
133 96.0 47.9 143.8
119 64.1 30.9 92.7

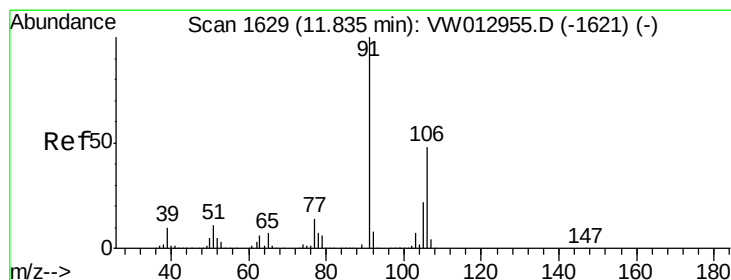
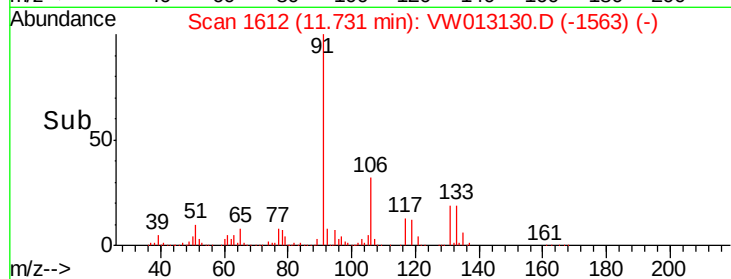
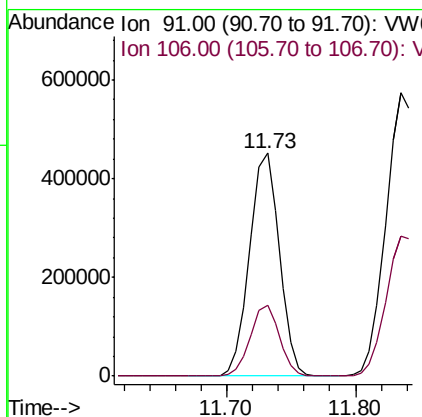
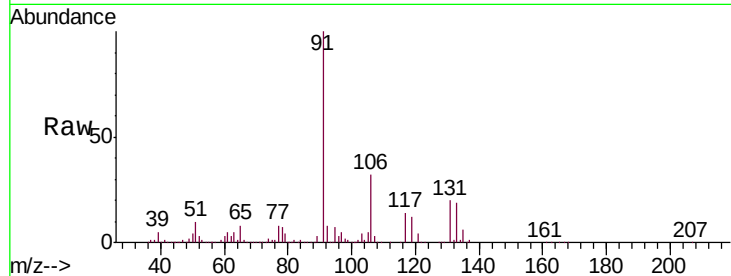




#67
Ethyl Benzene
Concen: 53.497 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

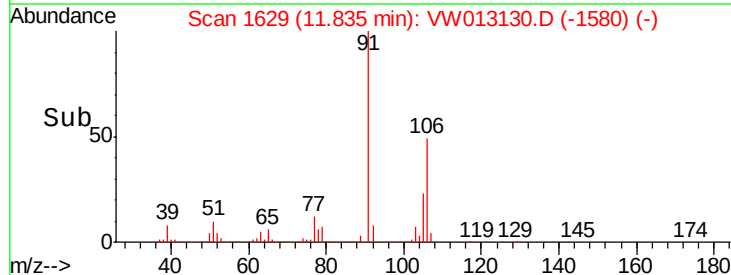
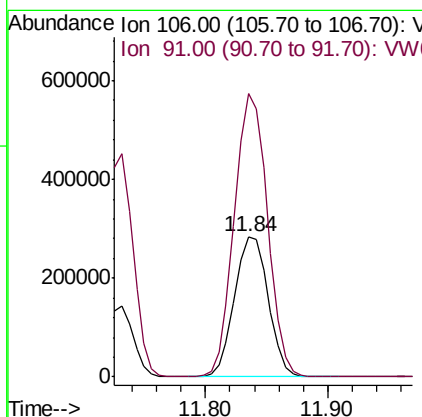
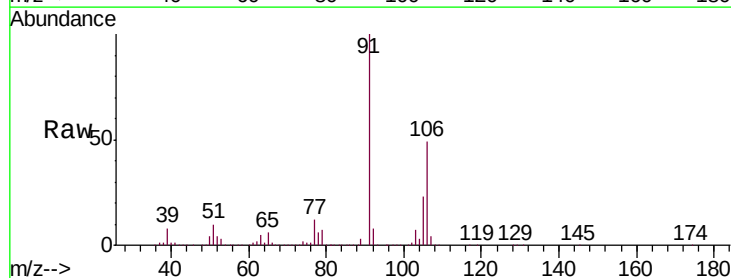
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

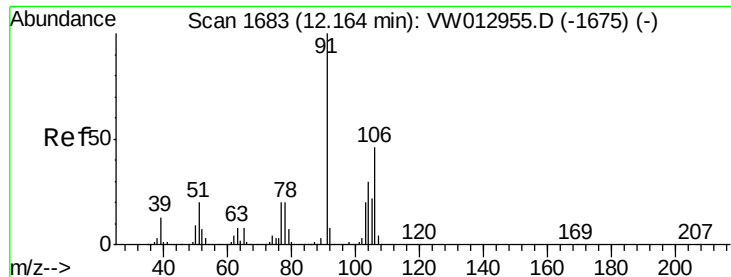
Tgt Ion: 91 Resp: 720258
Ion Ratio Lower Upper
91 100
106 31.7 24.3 36.5



#68
m/p-Xylenes
Concen: 110.149 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Tgt Ion: 106 Resp: 541760
Ion Ratio Lower Upper
106 100
91 199.4 165.8 248.8

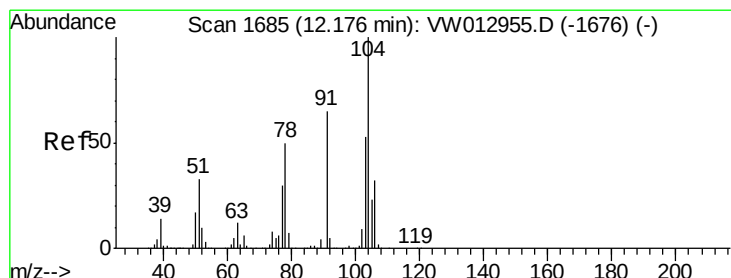
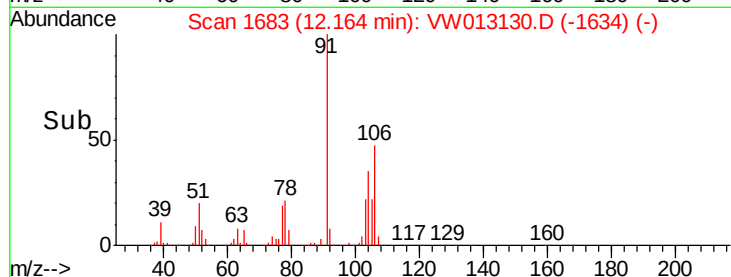
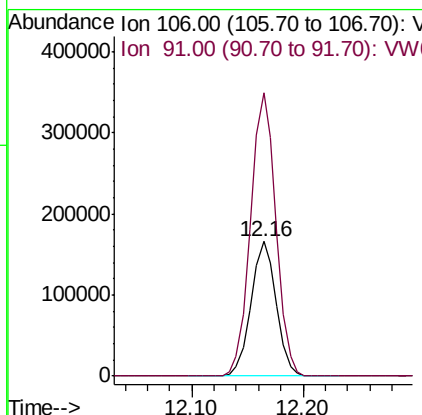
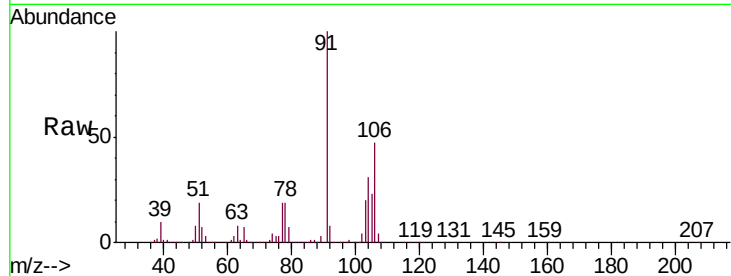




#69
o-Xylene
Concen: 56.608 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

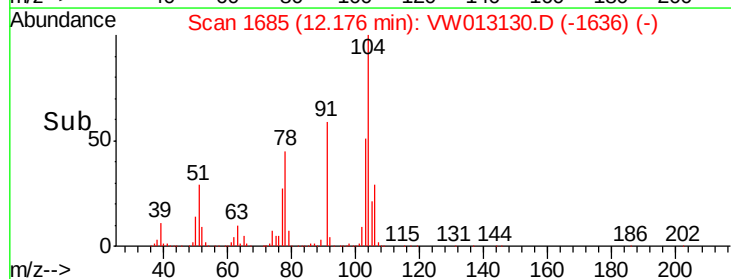
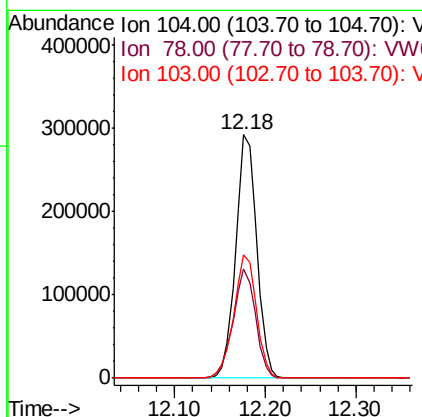
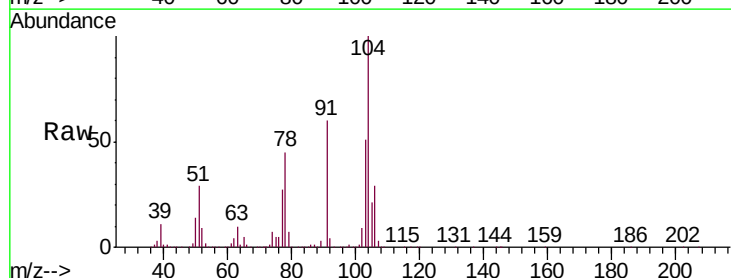
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

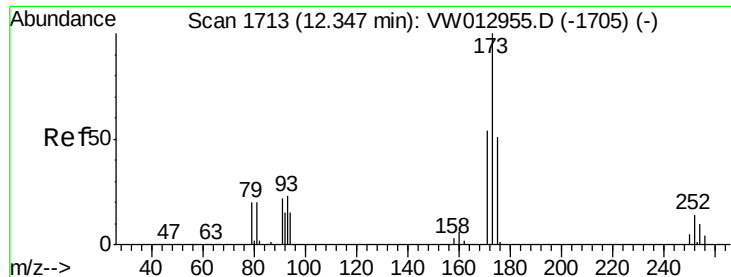
Tgt Ion:106 Resp: 261025
Ion Ratio Lower Upper
106 100
91 211.7 109.7 329.0



#70
Styrene
Concen: 57.394 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Tgt Ion:104 Resp: 470783
Ion Ratio Lower Upper
104 100
78 47.9 42.1 63.1
103 54.4 44.2 66.4





#71

Bromoform

Concen: 55.759 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

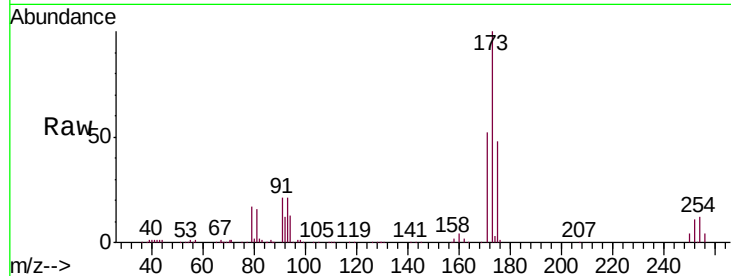
Tgt Ion:173 Resp: 81821

Ion Ratio Lower Upper

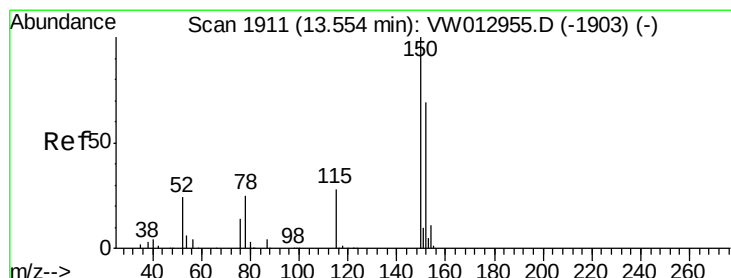
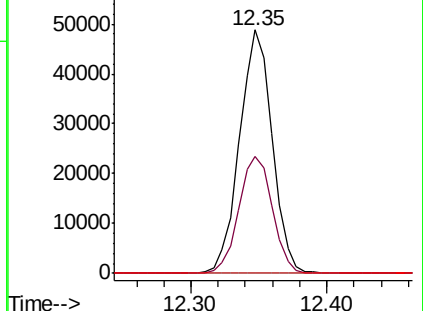
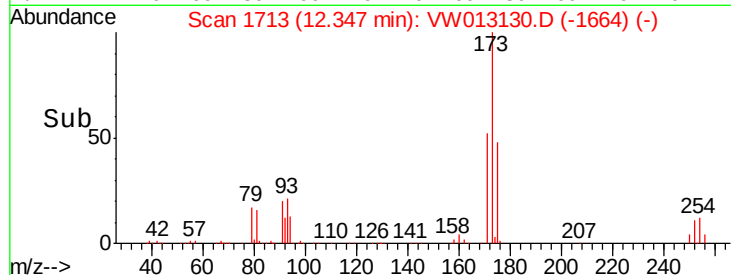
173 100

175 49.4 24.2 72.6

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

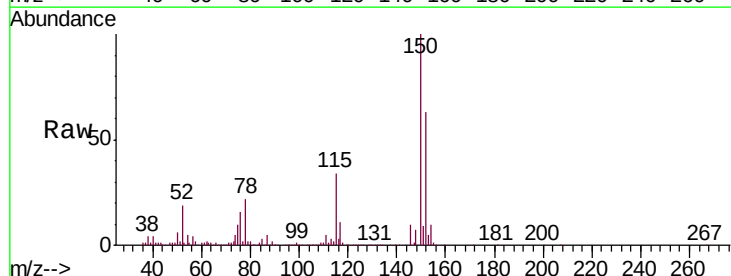
Tgt Ion:152 Resp: 209345

Ion Ratio Lower Upper

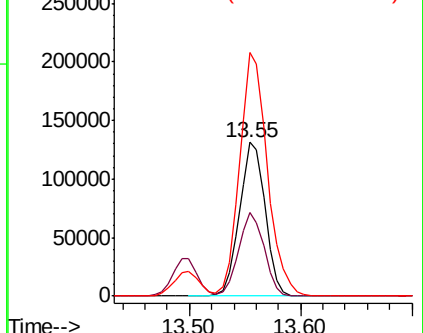
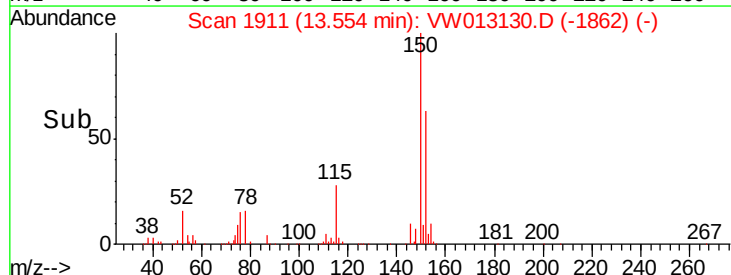
152 100

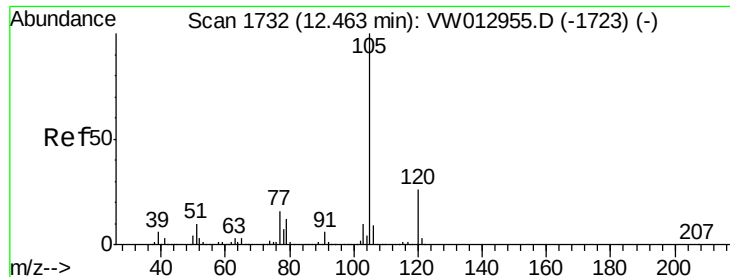
115 53.6 28.8 86.4

150 171.2 0.0 340.2



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





#73

Isopropylbenzene

Concen: 52.821 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

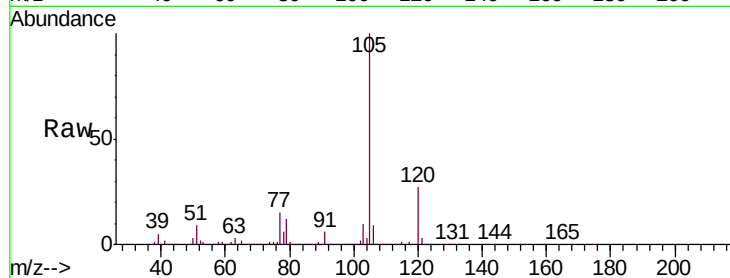
VSTDCCC050

Tgt Ion: 105 Resp: 732936

Ion Ratio Lower Upper

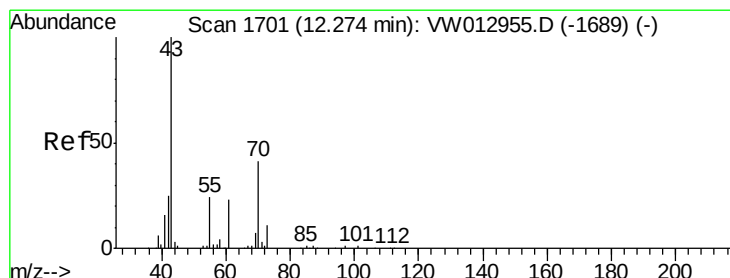
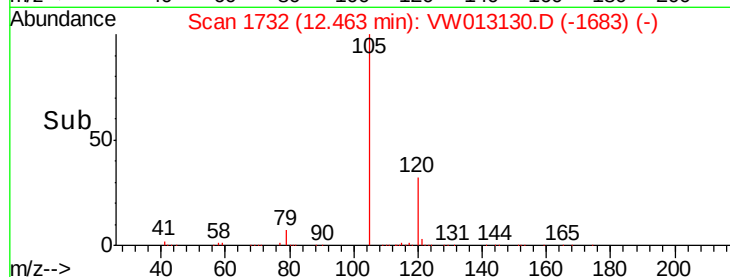
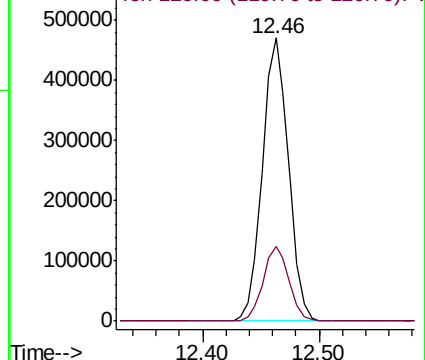
105 100

120 26.2 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.323 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Tgt Ion: 43 Resp: 190336

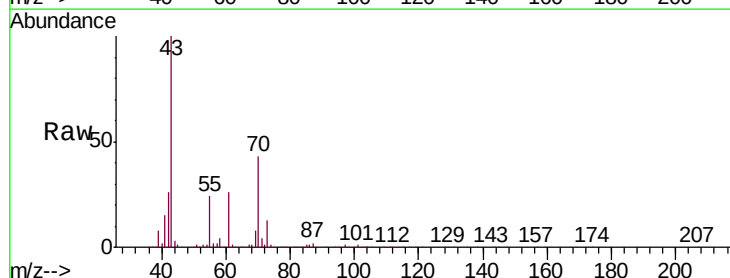
Ion Ratio Lower Upper

43 100

70 43.5 31.7 47.5

55 23.8 19.4 29.2

61 25.2 18.7 28.1

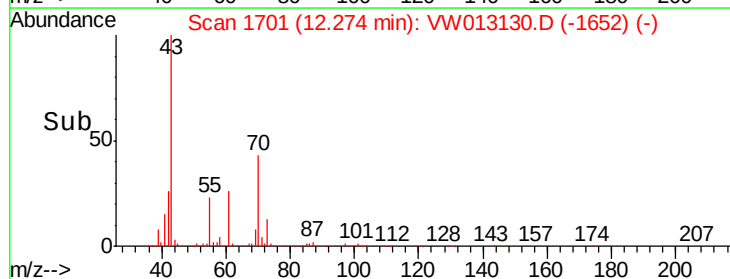
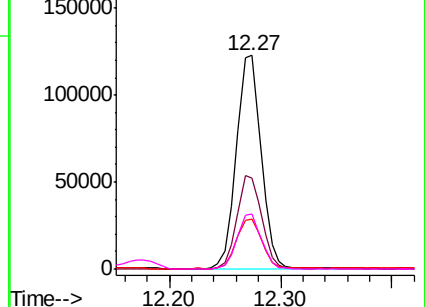


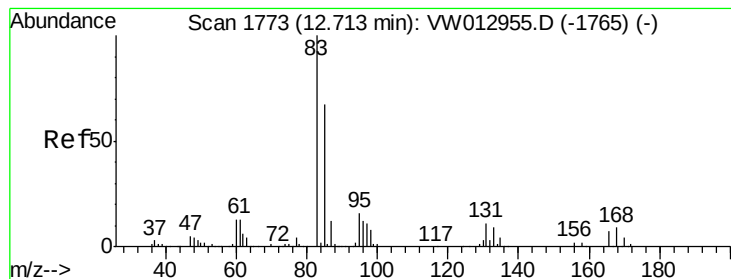
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 57.960 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

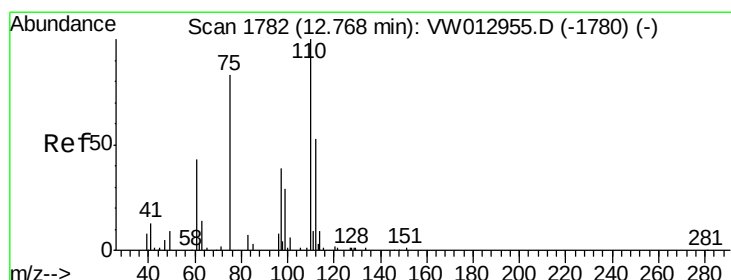
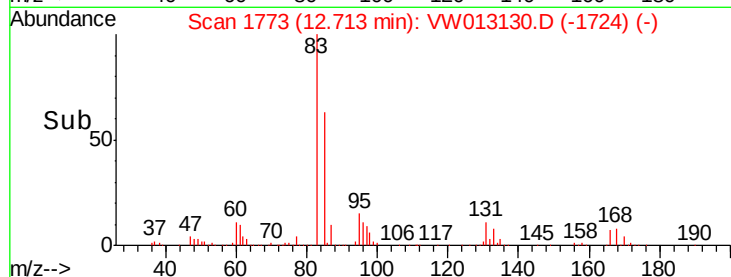
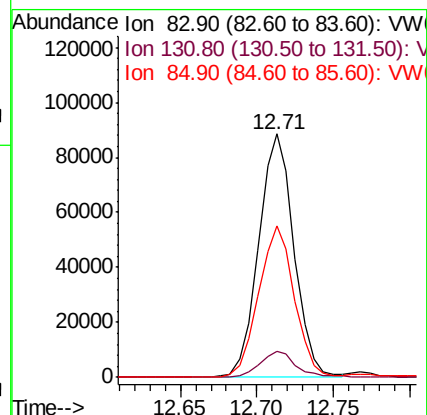
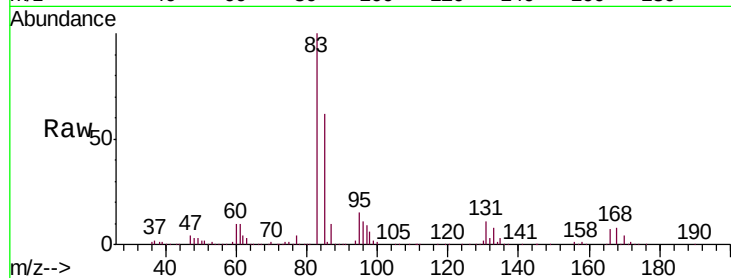
Tgt Ion: 83 Resp: 141256

Ion Ratio Lower Upper

83 100

131 10.8 5.7 17.1

85 63.5 31.4 94.3



#76

1,2,3-Trichloropropane

Concen: 95.211 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013130.D

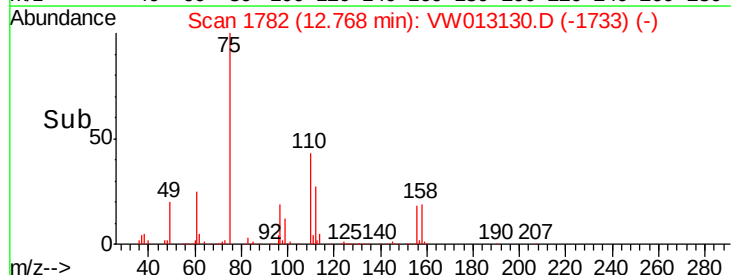
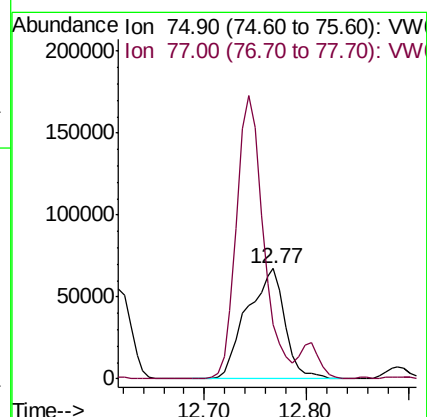
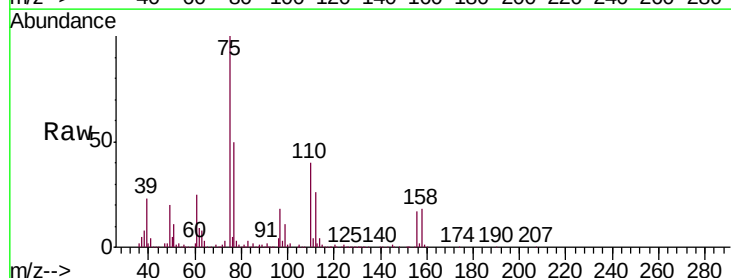
Acq: 18 Sep 2019 22:55

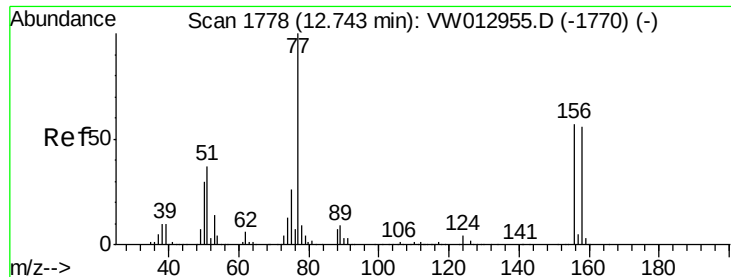
Tgt Ion: 75 Resp: 174589

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 55.986 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

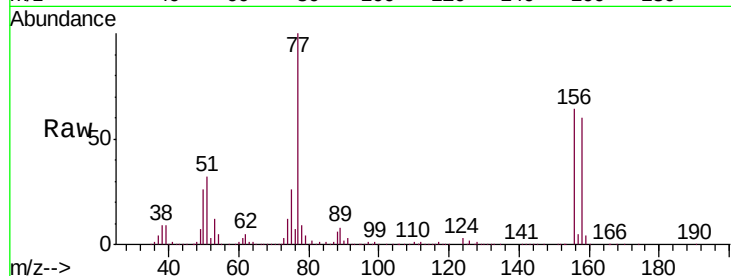
Tgt Ion: 156 Resp: 178968

Ion Ratio Lower Upper

156 100

77 177.0 95.2 285.6

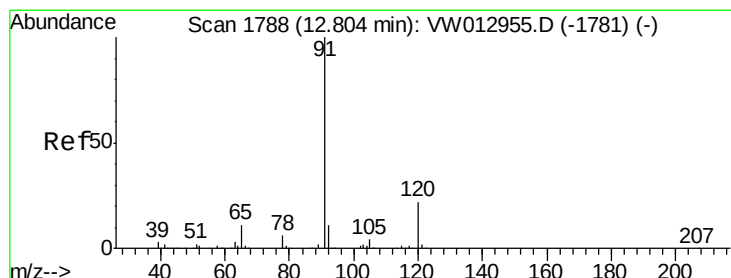
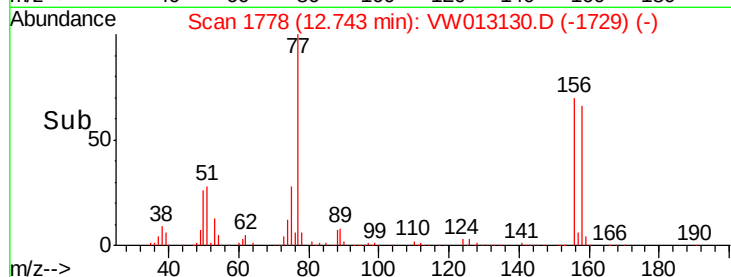
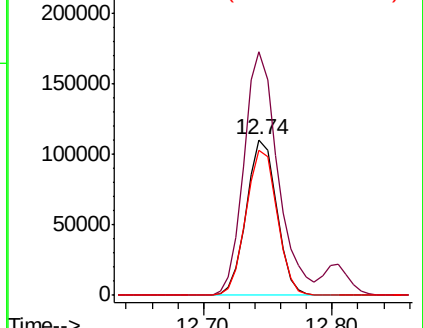
158 95.7 49.0 147.2



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: 51.629 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013130.D

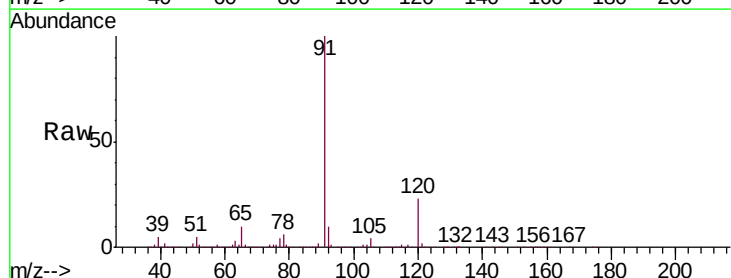
Acq: 18 Sep 2019 22:55

Tgt Ion: 91 Resp: 842699

Ion Ratio Lower Upper

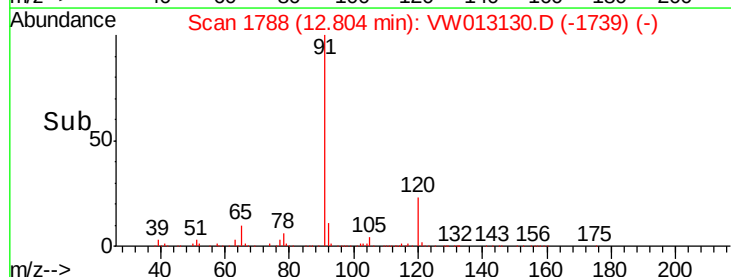
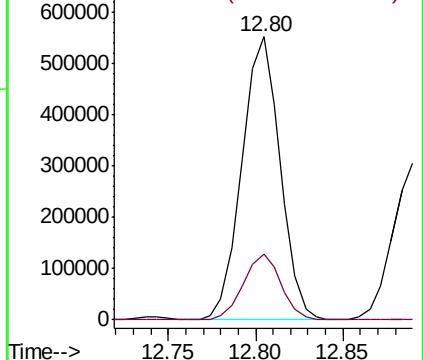
91 100

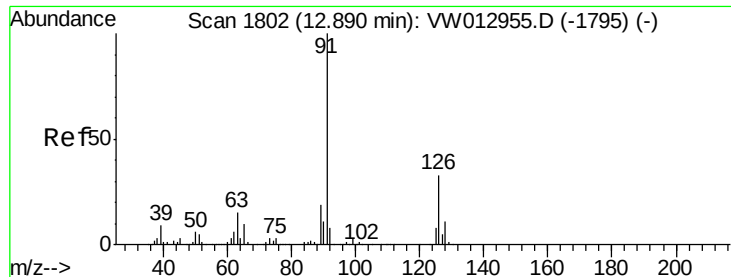
120 23.1 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.099 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

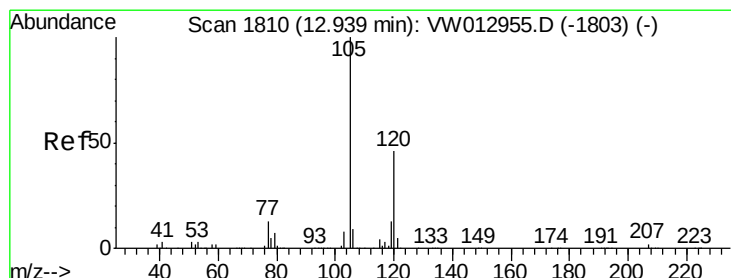
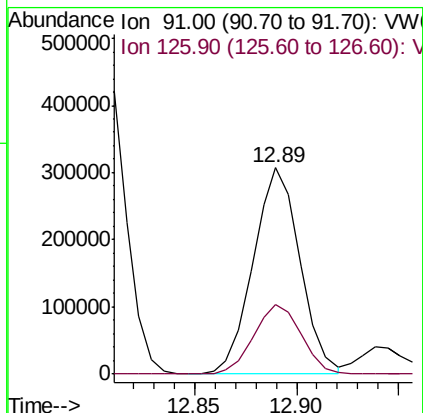
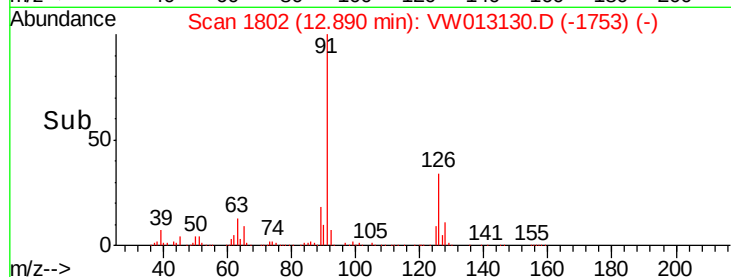
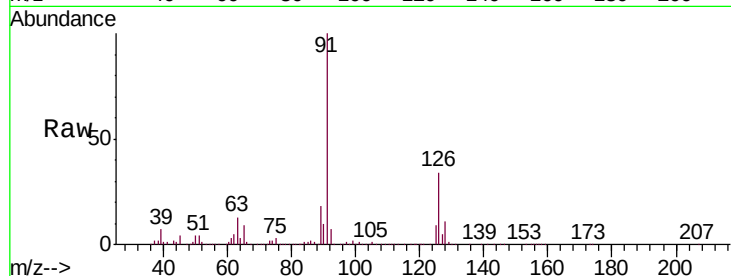
VSTDCCC050

Tgt Ion: 91 Resp: 488842

Ion Ratio Lower Upper

91 100

126 34.4 16.5 49.5



#80

1,3,5-Trimethylbenzene

Concen: 52.542 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW013130.D

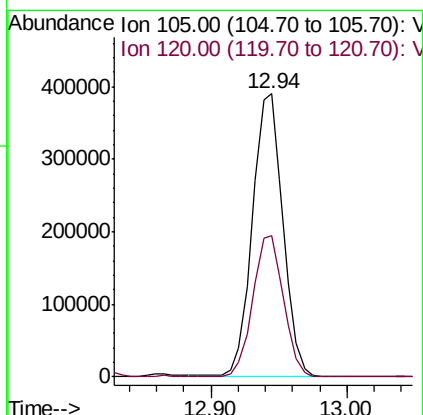
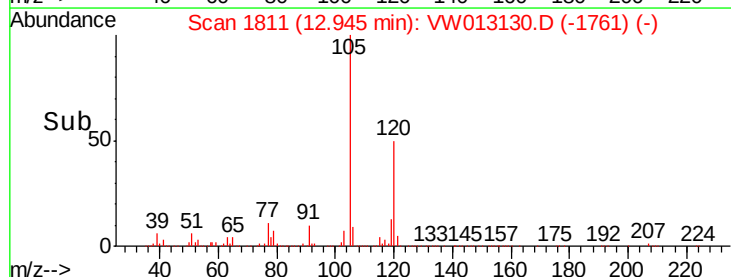
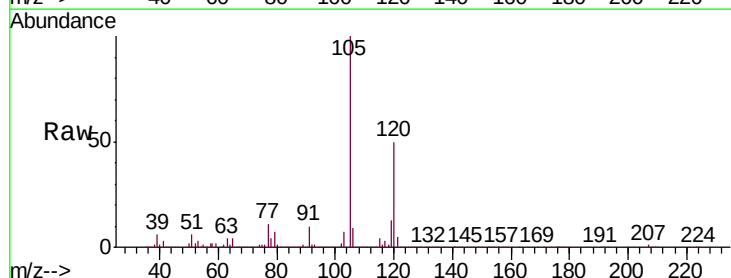
Acq: 18 Sep 2019 22:55

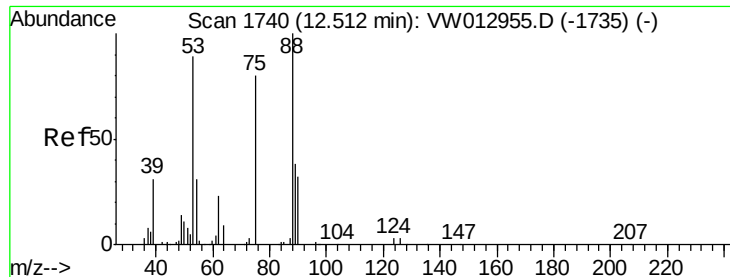
Tgt Ion: 105 Resp: 616787

Ion Ratio Lower Upper

105 100

120 50.2 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 53.097 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

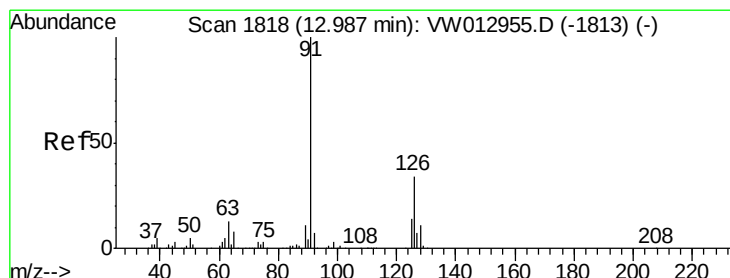
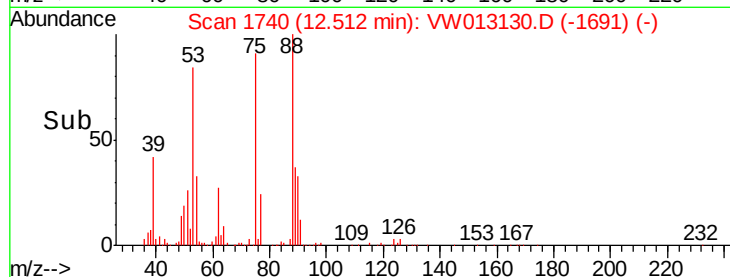
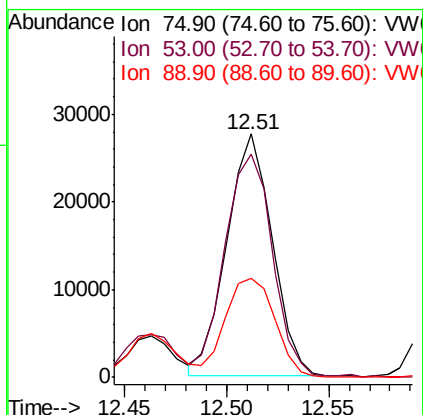
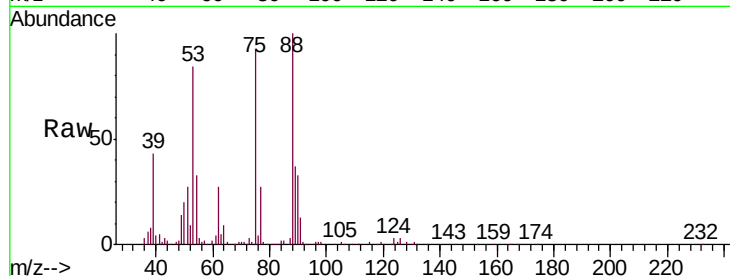
Tgt Ion: 75 Resp: 42920

Ion Ratio Lower Upper

75 100

53 97.7 85.6 128.4

89 44.5 37.2 55.8



#82

4-Chlorotoluene

Concen: 51.293 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW013130.D

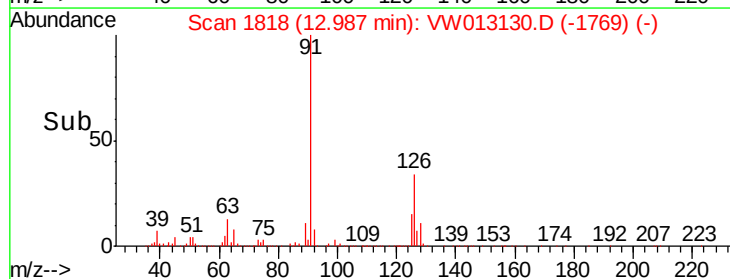
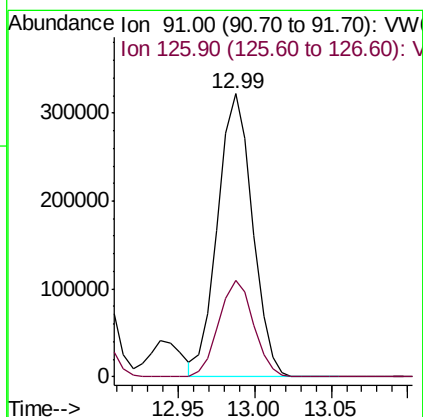
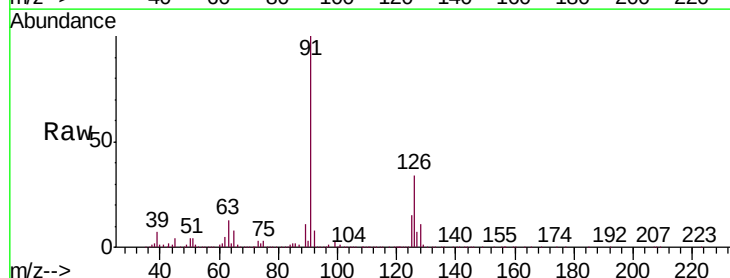
Acq: 18 Sep 2019 22:55

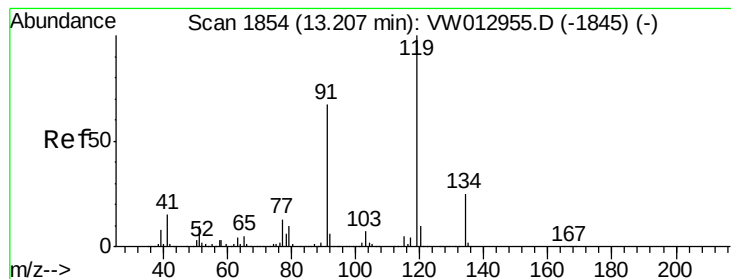
Tgt Ion: 91 Resp: 507809

Ion Ratio Lower Upper

91 100

126 34.1 16.1 48.3





#83

tert-Butylbenzene

Concen: 53.532 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

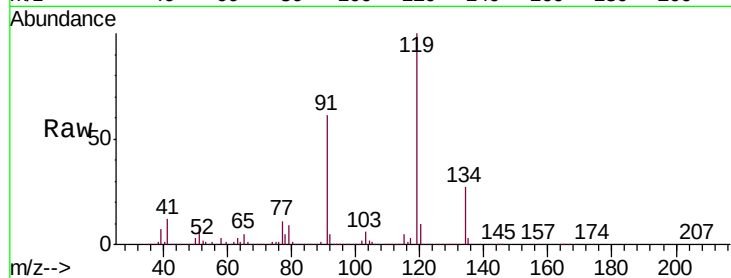
Tgt Ion:119 Resp: 562094

Ion Ratio Lower Upper

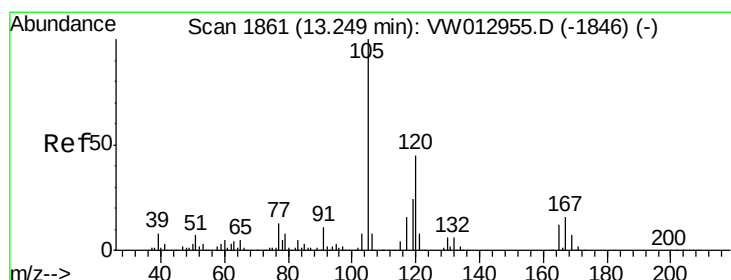
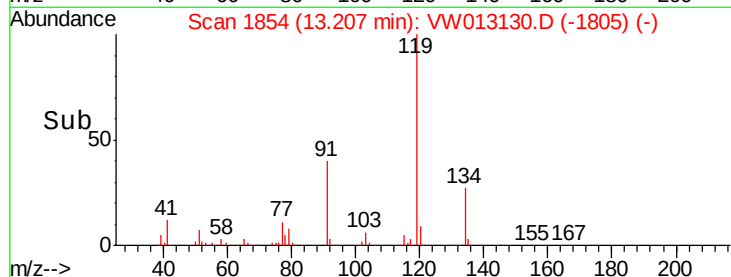
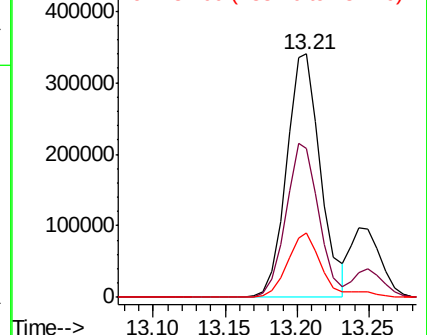
119 100

91 61.3 32.6 98.0

134 27.2 12.4 37.4



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 53.329 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VW013130.D

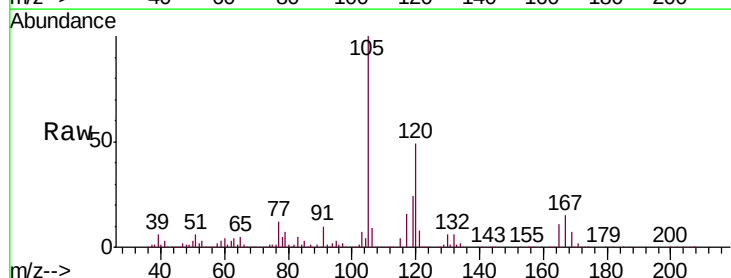
Acq: 18 Sep 2019 22:55

Tgt Ion:105 Resp: 618626

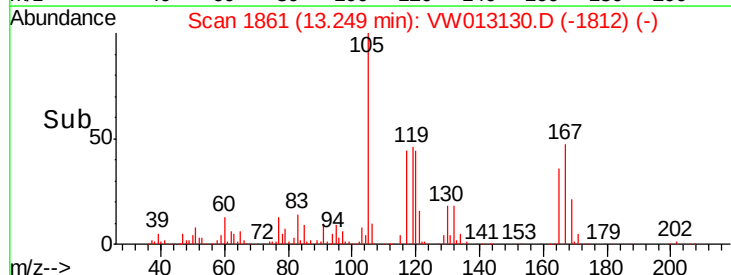
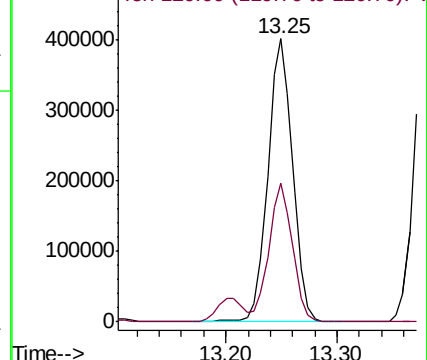
Ion Ratio Lower Upper

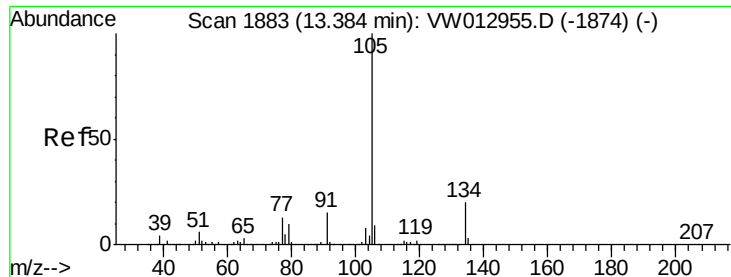
105 100

120 47.2 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

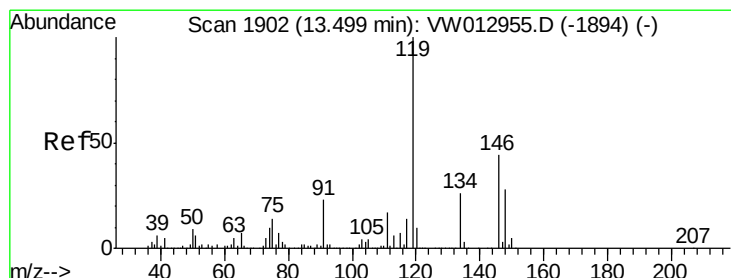
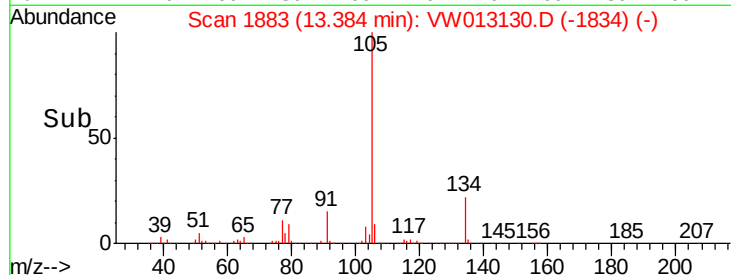
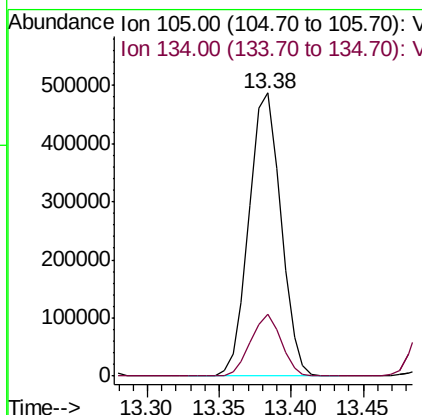
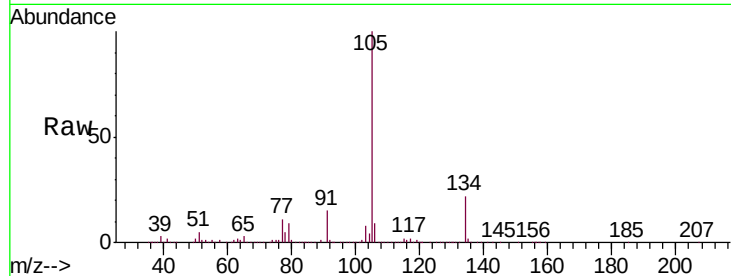




#85
 sec-Butylbenzene
 Concen: 52.175 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

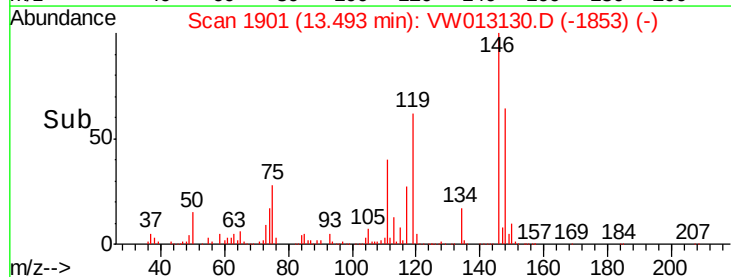
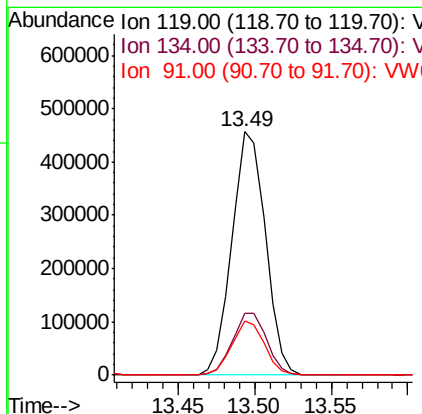
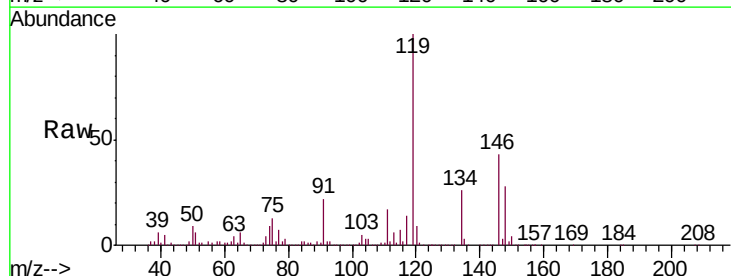
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

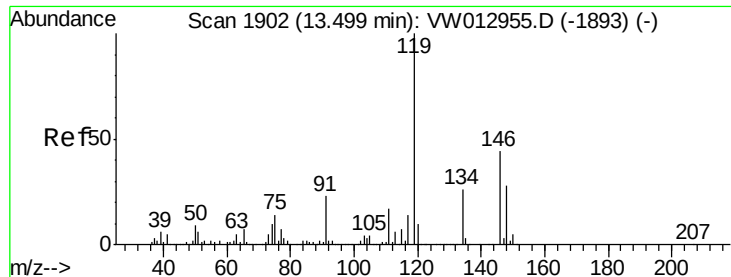
Tgt Ion:105 Resp: 746404
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 52.924 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

Tgt Ion:119 Resp: 695130
 Ion Ratio Lower Upper
 119 100
 134 26.1 12.8 38.3
 91 21.7 11.8 35.4

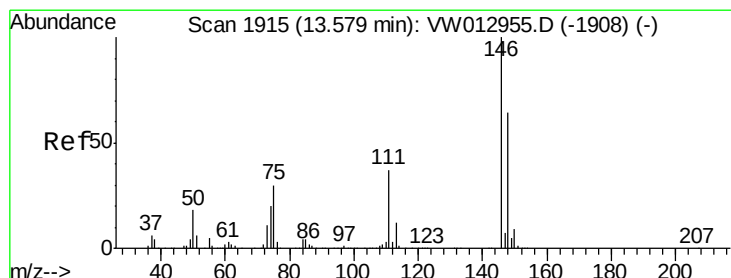
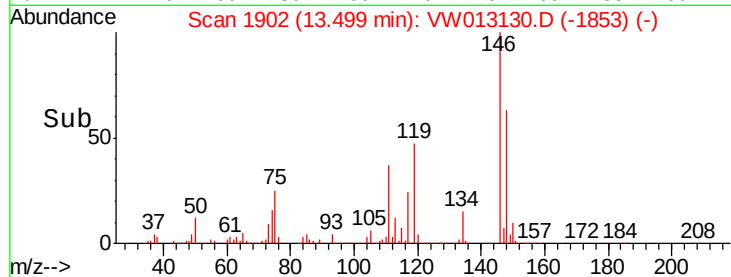
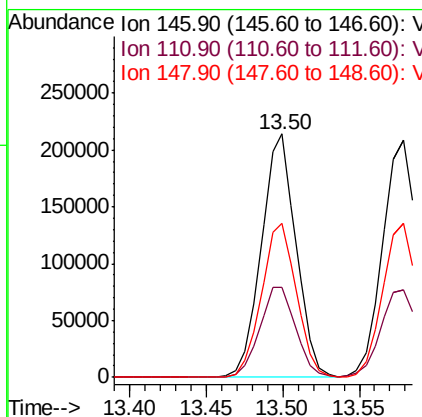
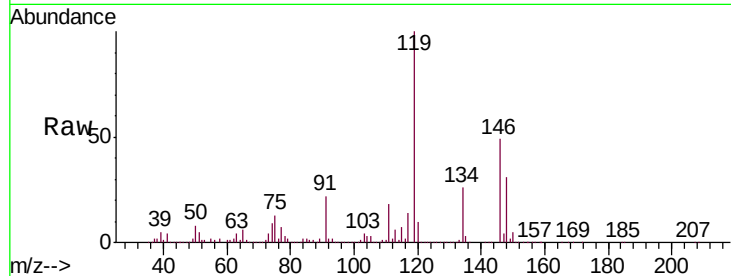




#87
 1,3-Dichlorobenzene
 Concen: 53.316 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

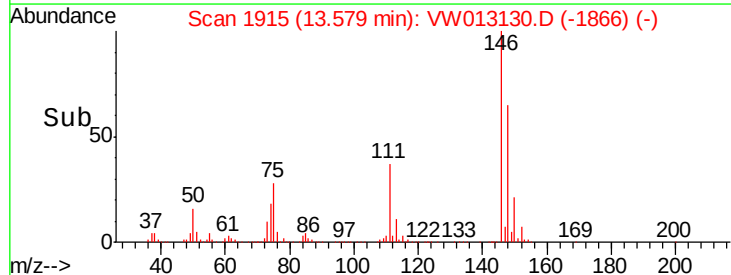
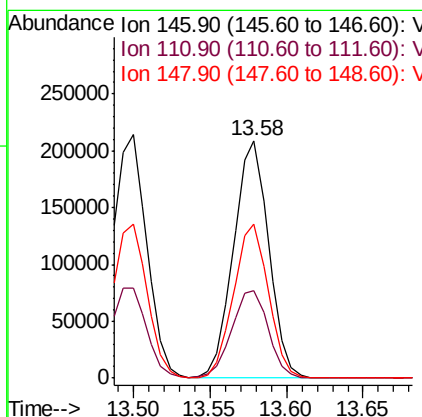
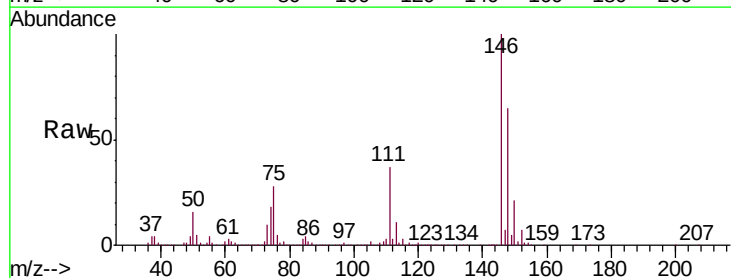
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

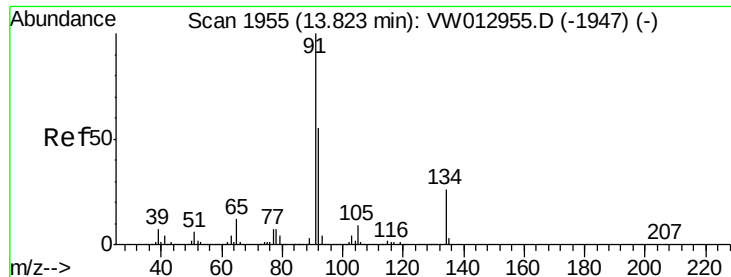
Tgt Ion:146 Resp: 337390
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.8 59.4
 148 63.9 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 53.453 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

Tgt Ion:146 Resp: 332403
 Ion Ratio Lower Upper
 146 100
 111 37.9 19.4 58.2
 148 64.4 31.9 95.5





#89

n-Butylbenzene

Concen: 50.853 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

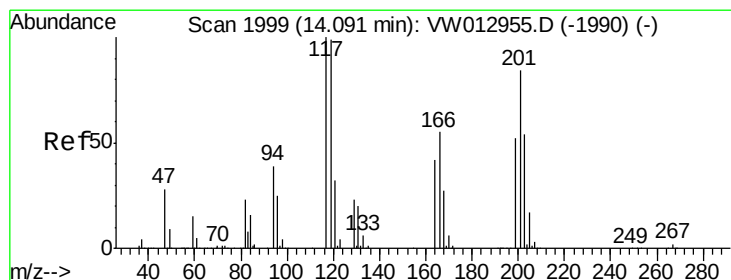
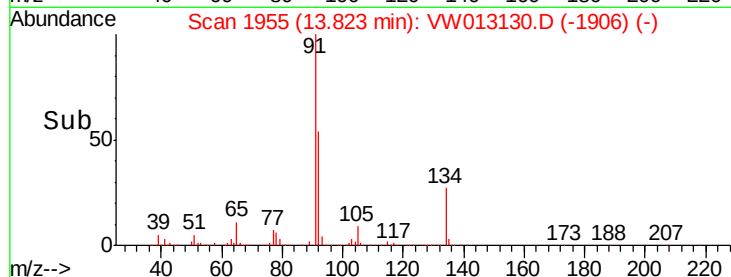
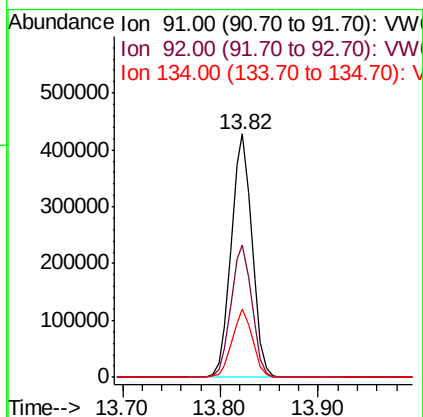
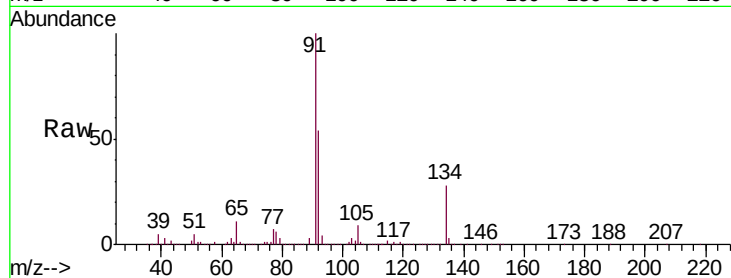
Tgt Ion: 91 Resp: 629914

Ion Ratio Lower Upper

91 100

92 54.8 27.2 81.5

134 27.4 13.1 39.1



#90

Hexachloroethane

Concen: 50.700 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW013130.D

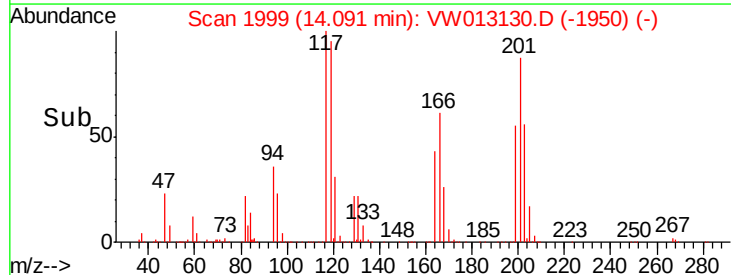
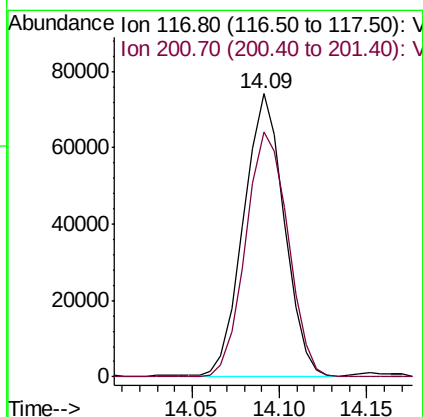
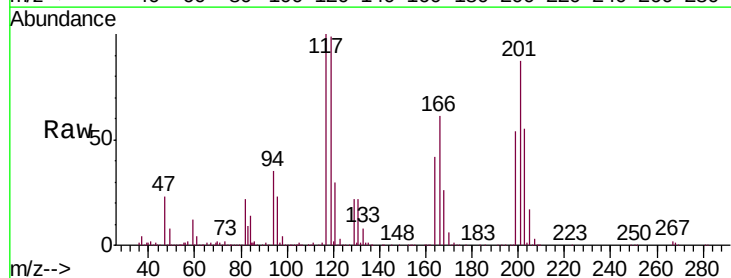
Acq: 18 Sep 2019 22:55

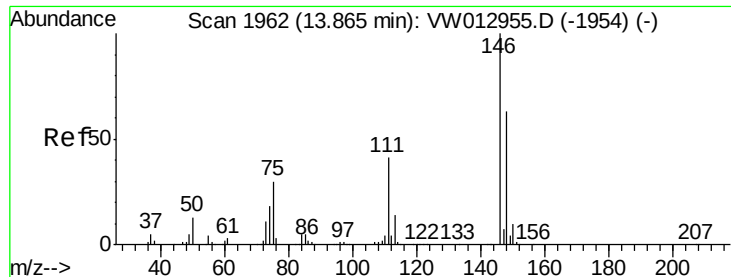
Tgt Ion: 117 Resp: 119335

Ion Ratio Lower Upper

117 100

201 90.4 45.3 135.9

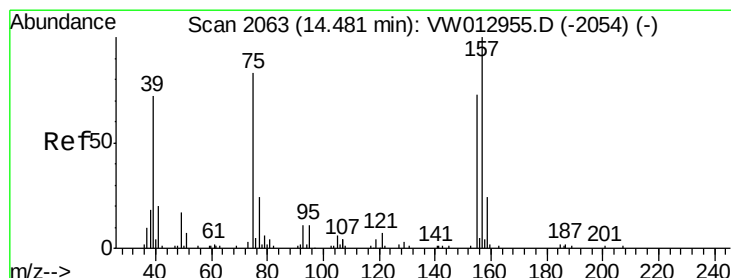
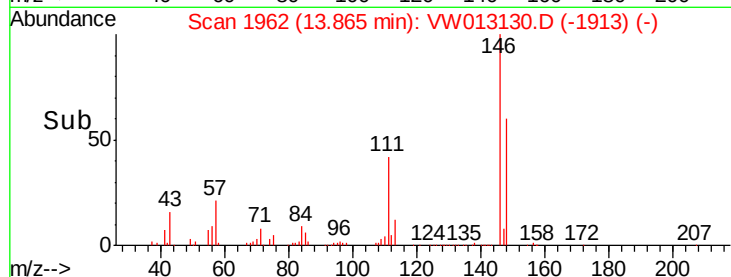
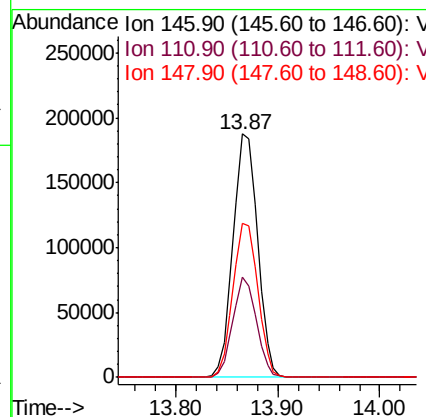
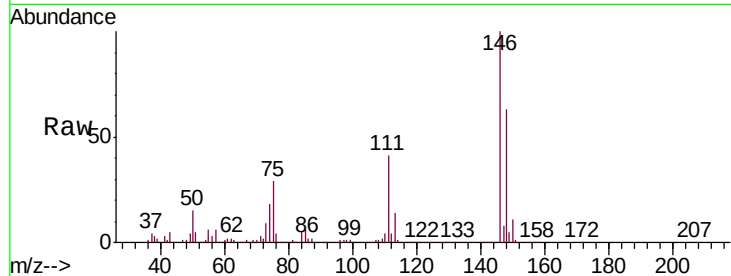




#91
 1,2-Dichlorobenzene
 Concen: 56.082 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. 0.00 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

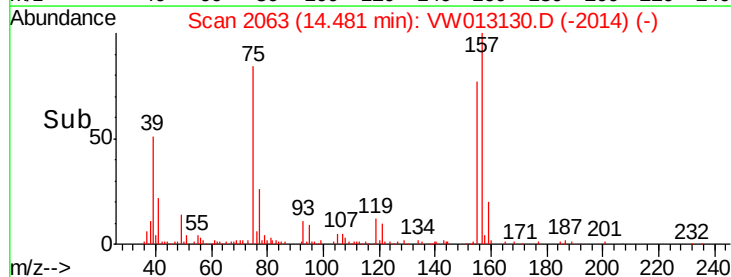
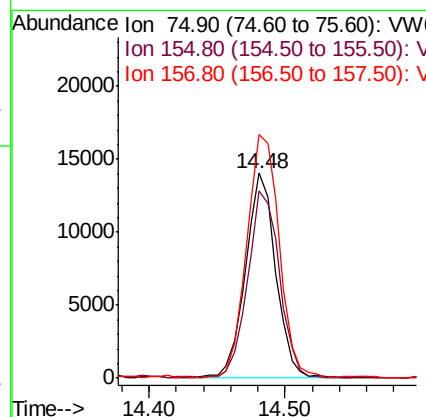
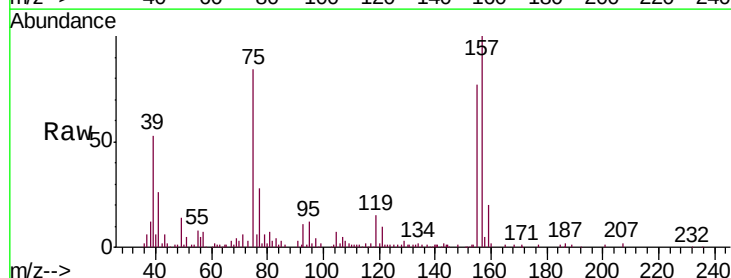
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

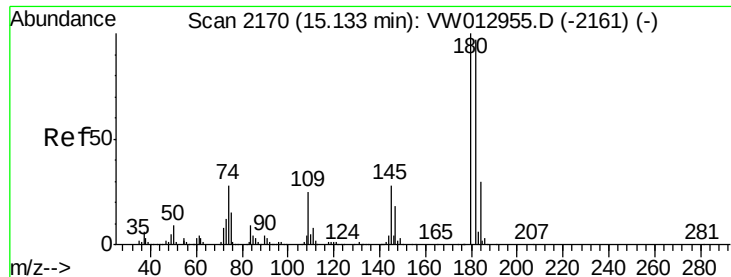
Tgt Ion: 146 Resp: 312093
 Ion Ratio Lower Upper
 146 100
 111 39.5 20.8 62.5
 148 63.9 32.7 98.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.173 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

Tgt Ion: 75 Resp: 21936
 Ion Ratio Lower Upper
 75 100
 155 95.8 43.3 129.9
 157 127.7 54.7 164.1

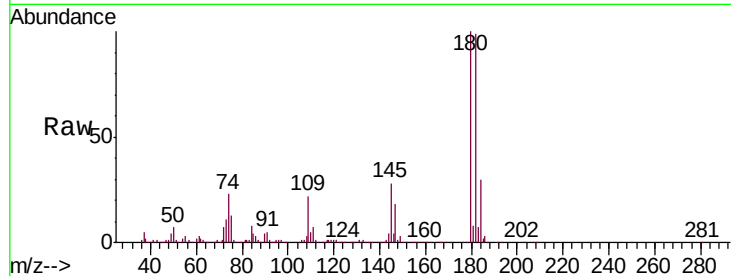




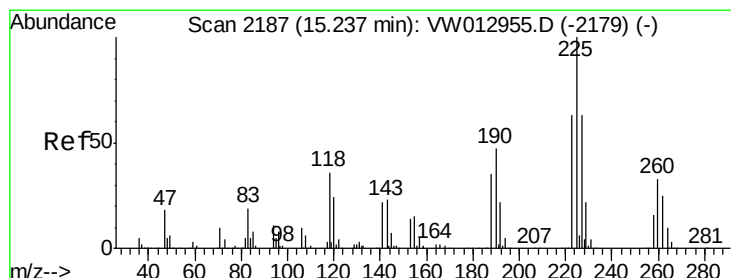
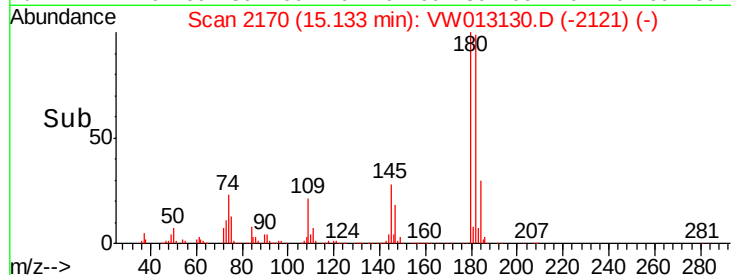
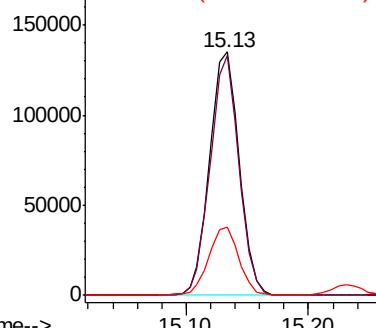
#93
 1,2,4-Trichlorobenzene
 Concen: 57.226 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 227117
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.4 142.2
 145 28.2 14.9 44.7

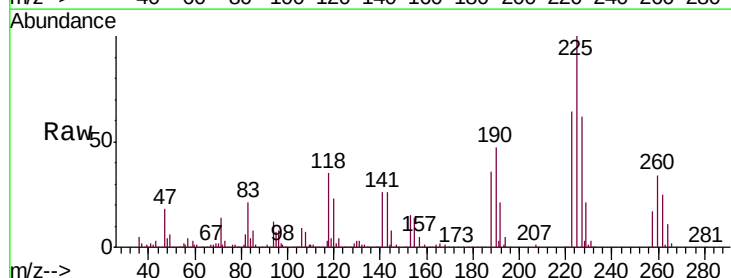


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

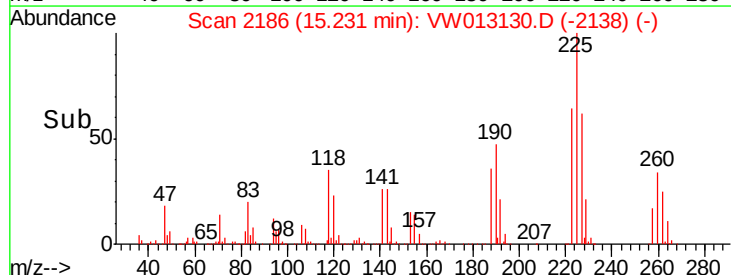
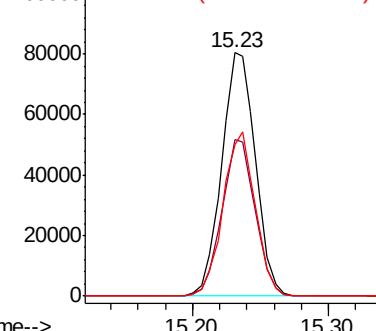


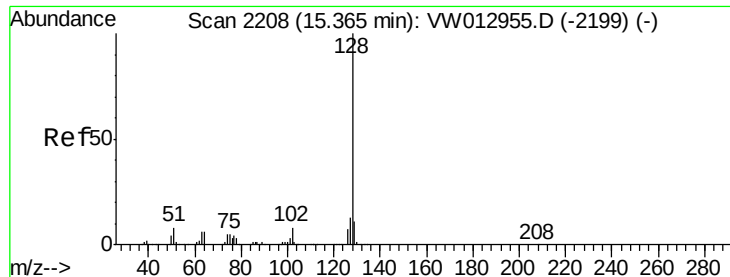
#94
 Hexachlorobutadiene
 Concen: 49.646 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

Tgt Ion:225 Resp: 139482
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.8 95.3
 227 64.7 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

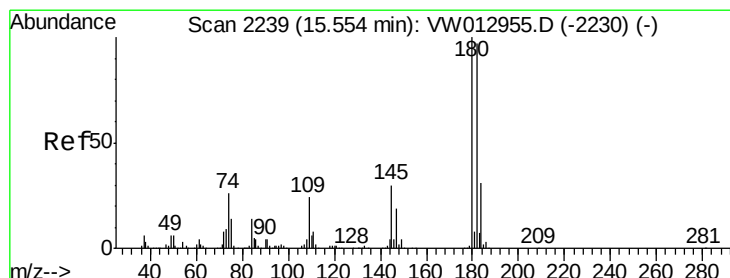
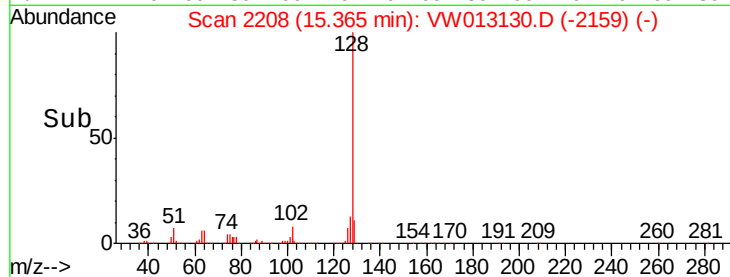
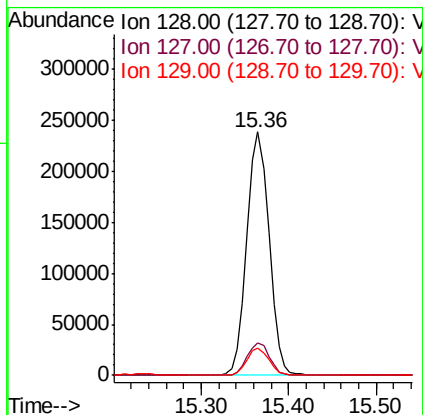
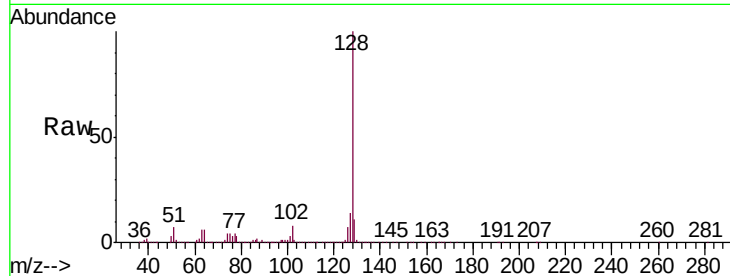




#95
Naphthalene
Concen: 63.786 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 422984
Ion Ratio Lower Upper
128 100
127 13.6 11.0 16.6
129 10.9 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 57.336 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Tgt Ion:180 Resp: 201150
Ion Ratio Lower Upper
180 100
182 97.2 47.6 142.8
145 31.0 15.4 46.2

