

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091619\
 Data File : VW013056.D
 Acq On : 16 Sep 2019 22:26
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 17 07:25:08 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	331368	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	508908	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	421057	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	211222	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	151632	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
35) Dibromofluoromethane	7.88	113	136817	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
50) Toluene-d8	10.32	98	547096	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
62) 4-Bromofluorobenzene	12.62	95	191505	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	61886	48.674	ug/l	94
3) Chloromethane	2.21	50	84869	53.571	ug/l	99
4) Vinyl Chloride	2.35	62	108010	45.539	ug/l	99
5) Bromomethane	2.76	94	67447	46.565	ug/l	97
6) Chloroethane	2.91	64	72563	49.882	ug/l	96
7) Trichlorofluoromethane	3.25	101	67666	40.797	ug/l	98
8) Diethyl Ether	3.67	74	66848	51.616	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	122162	48.562	ug/l	97
10) Methyl Iodide	4.27	142	167581	53.230	ug/l	98
11) Tert butyl alcohol	5.17	59	58942	288.616	ug/l	99
12) 1,1-Dichloroethene	4.04	96	113332	49.549	ug/l	98
13) Acrolein	3.89	56	65445	291.232	ug/l	99
14) Allyl chloride	4.67	41	248634	57.259	ug/l	95
15) Acrylonitrile	5.35	53	189232	286.081	ug/l	100
16) Acetone	4.12	43	165126	248.541	ug/l	100
17) Carbon Disulfide	4.38	76	223515	49.036	ug/l	99
18) Methyl Acetate	4.66	43	100045	57.379	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	254765	56.426	ug/l	98
20) Methylene Chloride	4.92	84	143872	59.137	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	128666	52.522	ug/l	99
22) Diisopropyl ether	6.31	45	526776	58.396	ug/l	99
23) Vinyl Acetate	6.25	43	1552858	287.412	ug/l	99
24) 1,1-Dichloroethane	6.21	63	277152	53.287	ug/l	99
25) 2-Butanone	7.17	43	261095	268.301	ug/l	97
26) 2,2-Dichloropropane	7.16	77	171107	52.013	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	160172	54.612	ug/l	99
28) Bromochloromethane	7.51	49	127600	58.288	ug/l #	95
29) Tetrahydrofuran	7.52	42	160433	289.341	ug/l	97
30) Chloroform	7.67	83	269986	51.088	ug/l	96
31) Cyclohexane	7.95	56	208617	53.752	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	219807	50.506	ug/l	98
36) 1,1-Dichloropropene	8.08	75	196660	48.360	ug/l	98
37) Ethyl Acetate	7.25	43	109801	50.869	ug/l	99
38) Carbon Tetrachloride	8.07	117	192558	46.206	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	213687	47.953	ug/l	99
40) Benzene	8.32	78	567362	49.976	ug/l	100
41) Methacrylonitrile	7.48	41	72408	50.939	ug/l	95
42) 1,2-Dichloroethane	8.40	62	178691	46.954	ug/l	97
43) Isopropyl Acetate	8.42	43	217107	52.385	ug/l	99
44) Trichloroethene	9.09	130	149894	48.204	ug/l	93
45) 1,2-Dichloropropane	9.37	63	159576	52.906	ug/l	99
46) Dibromomethane	9.46	93	72954	50.485	ug/l	100
47) Bromodichloromethane	9.64	83	208539	51.448	ug/l	100
48) Methyl methacrylate	9.43	41	104749	53.854	ug/l	96
49) 1,4-Dioxane	9.45	88	23957	989.389	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	579720	270.939	ug/l	99
52) Toluene	10.38	92	369137	51.170	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	202785	49.744	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	243733	52.254	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	114681	52.094	ug/l	99
56) Ethyl methacrylate	10.65	69	158785	53.587	ug/l	98
57) 1,3-Dichloropropane	10.93	76	207446	53.122	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	428741	269.729	ug/l	99
59) 2-Hexanone	10.96	43	391975	263.093	ug/l	100
60) Dibromochloromethane	11.13	129	136349	51.230	ug/l	97
61) 1,2-Dibromoethane	11.23	107	105937	52.752	ug/l	99
64) Tetrachloroethene	10.86	164	132839	53.032	ug/l	97
65) Chlorobenzene	11.66	112	383607	51.148	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	146629	51.017	ug/l	99
67) Ethyl Benzene	11.73	91	718207	51.850	ug/l	100
68) m/p-Xylenes	11.83	106	525991	103.947	ug/l	100
69) o-Xylene	12.16	106	257760	54.334	ug/l	100
70) Styrene	12.18	104	461028	54.630	ug/l	98
71) Bromoform	12.35	173	81940	54.276	ug/l #	99
73) Isopropylbenzene	12.46	105	742095	53.005	ug/l	100
74) N-amyl acetate	12.27	43	203989	56.641	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	133535	54.305	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	175474	94.844	ug/l #	100
77) Bromobenzene	12.74	156	169681	52.609	ug/l	100
78) n-propylbenzene	12.80	91	865894	52.578	ug/l	100
79) 2-Chlorotoluene	12.89	91	497180	52.516	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	615740	51.986	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	44747	54.865	ug/l	96
82) 4-Chlorotoluene	12.99	91	516586	51.716	ug/l	99
83) tert-Butylbenzene	13.21	119	551290	52.036	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	612855	52.362	ug/l	98
85) sec-Butylbenzene	13.38	105	751804	52.085	ug/l	99
86) p-Isopropyltoluene	13.50	119	696799	52.580	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	331160	51.867	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	324519	51.721	ug/l	99
89) n-Butylbenzene	13.82	91	650637	52.060	ug/l	100
90) Hexachloroethane	14.09	117	121589	51.199	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	294053	52.371	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22835	50.733	ug/l	98

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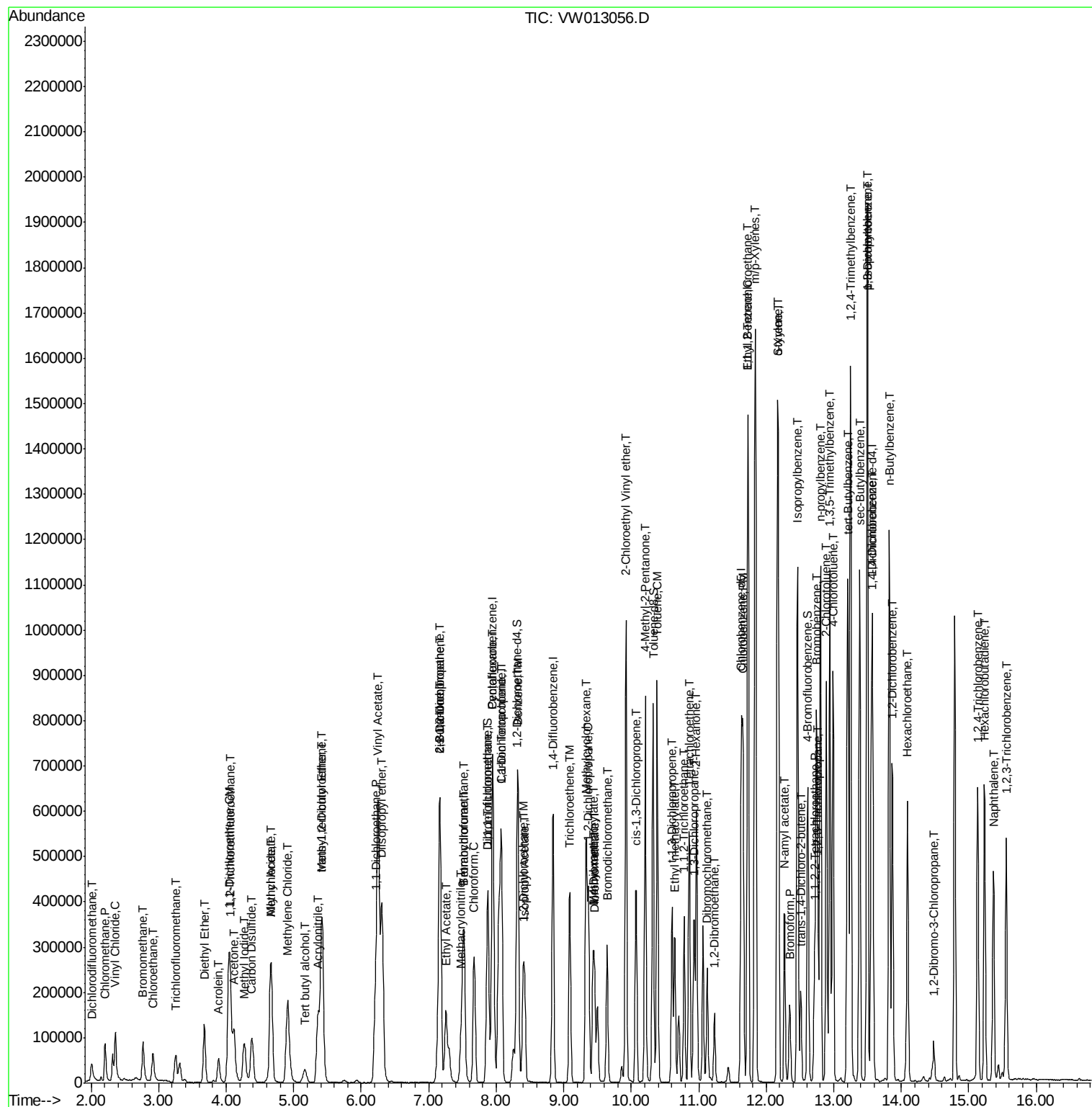
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	216377	54.036	ug/l	99
94) Hexachlorobutadiene	15.24	225	144489	50.971	ug/l	98
95) Naphthalene	15.36	128	397928	59.475	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	194324	54.898	ug/l	99

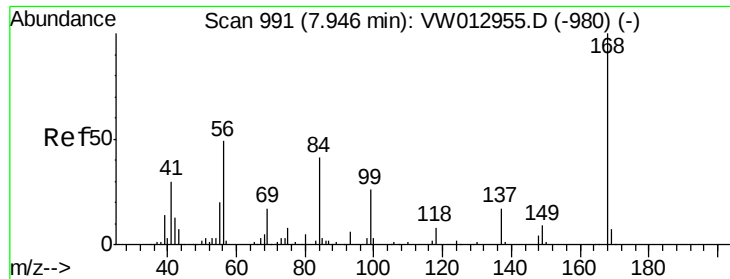
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013056.D

Acq: 16 Sep 2019 22:26

Instrument :

MSVOA_W

ClientSampleId :

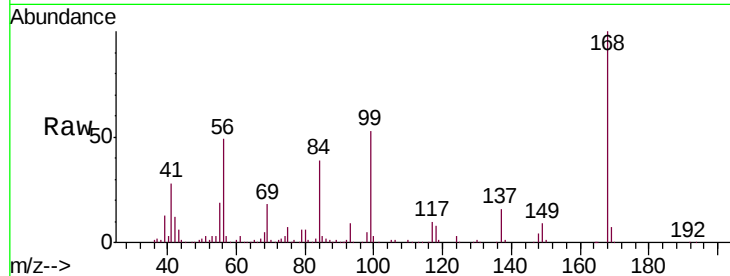
VSTDCCC050

Tgt Ion:168 Resp: 331368

Ion Ratio Lower Upper

168 100

99 52.7 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

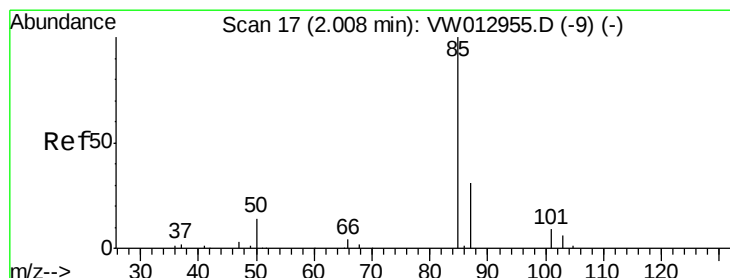
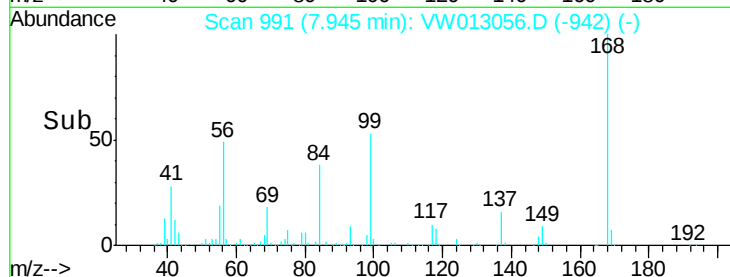
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 48.674 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013056.D

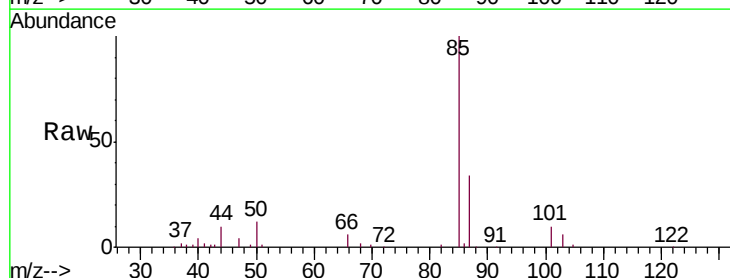
Acq: 16 Sep 2019 22:26

Tgt Ion: 85 Resp: 61886

Ion Ratio Lower Upper

85 100

87 33.9 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

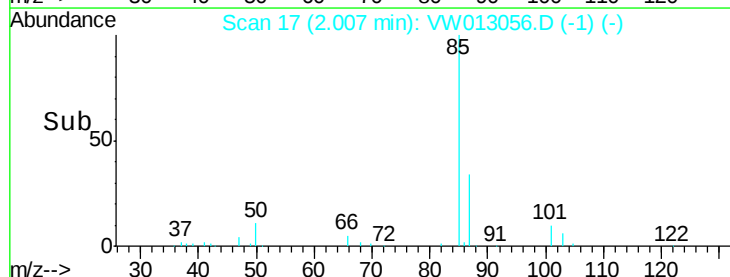
15000

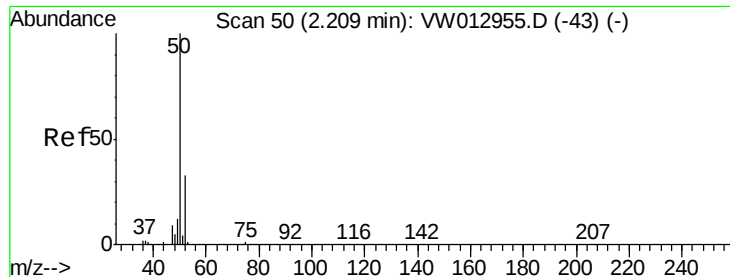
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 53.571 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Instrument :

MSVOA_W

ClientSampleId :

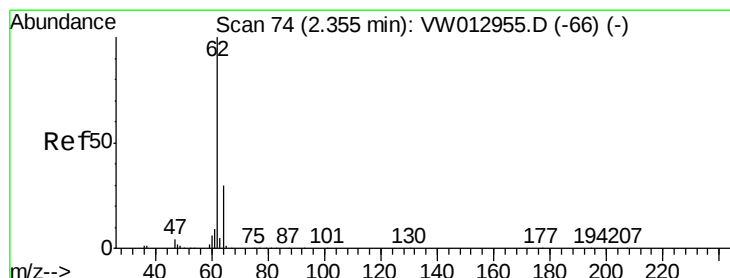
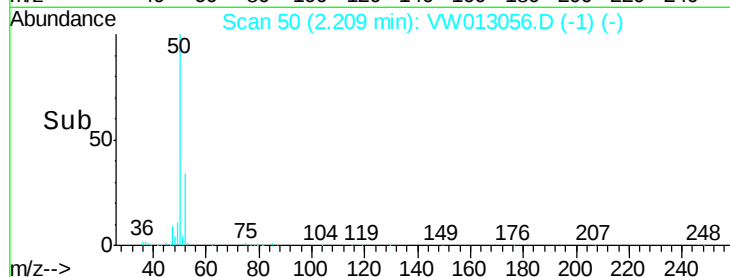
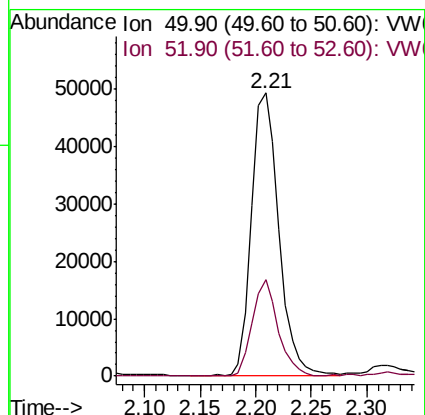
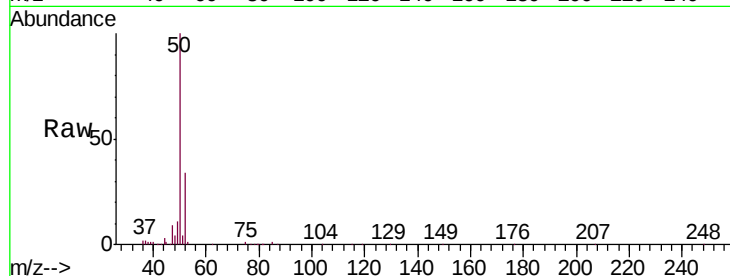
VSTDCCC050

Tgt Ion: 50 Resp: 84869

Ion Ratio Lower Upper

50 100

52 34.0 26.6 39.8



#4

Vinyl Chloride

Concen: 45.539 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW013056.D

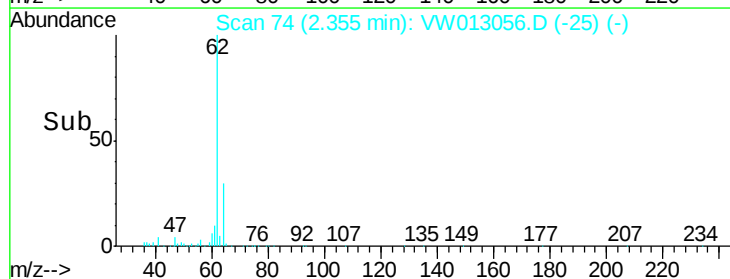
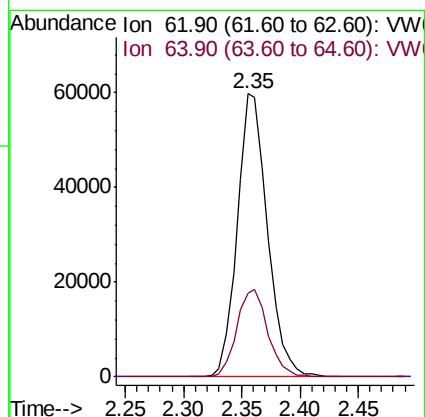
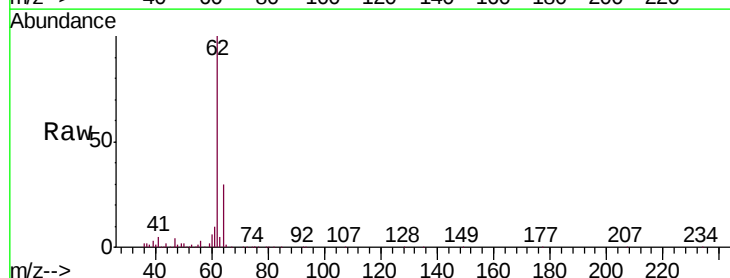
Acq: 16 Sep 2019 22:26

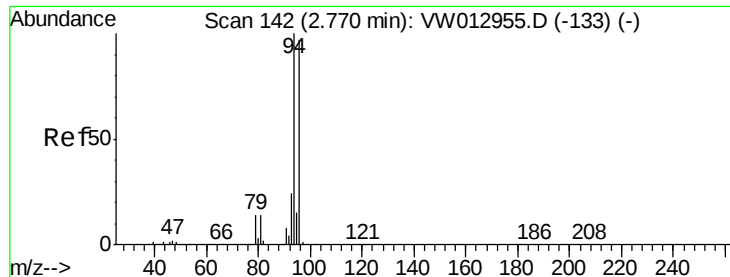
Tgt Ion: 62 Resp: 108010

Ion Ratio Lower Upper

62 100

64 29.6 24.2 36.4





#5

Bromomethane

Concen: 46.565 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Instrument :

MSVOA_W

ClientSampleId :

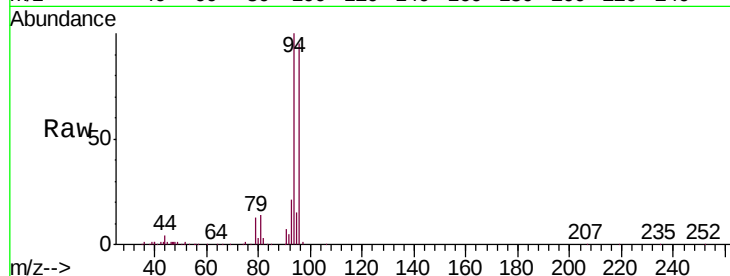
VSTDCCC050

Tgt Ion: 94 Resp: 67447

Ion Ratio Lower Upper

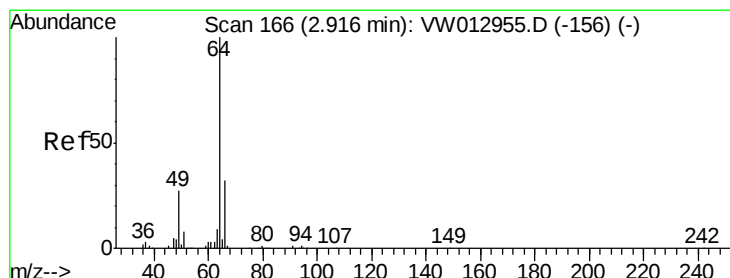
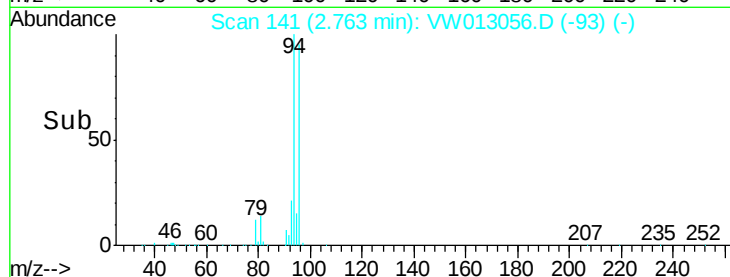
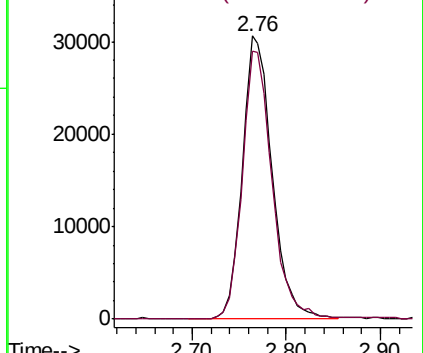
94 100

96 94.7 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: 49.882 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013056.D

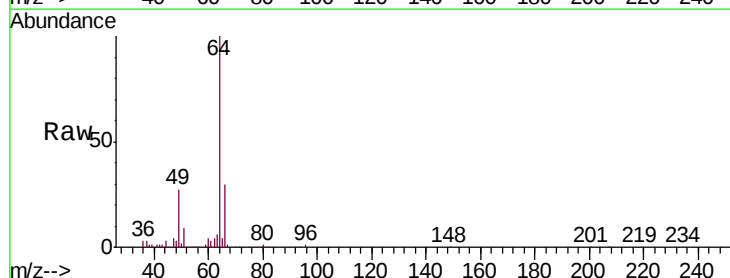
Acq: 16 Sep 2019 22:26

Tgt Ion: 64 Resp: 72563

Ion Ratio Lower Upper

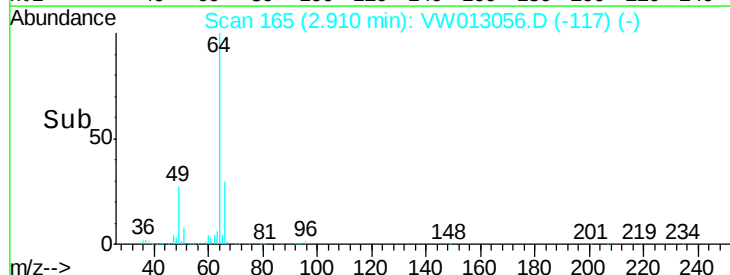
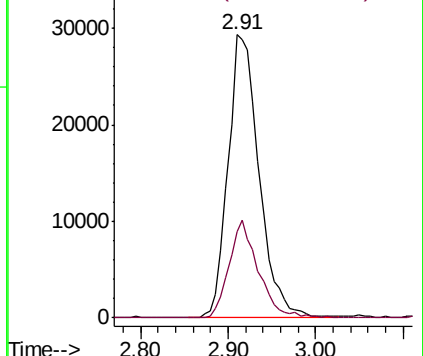
64 100

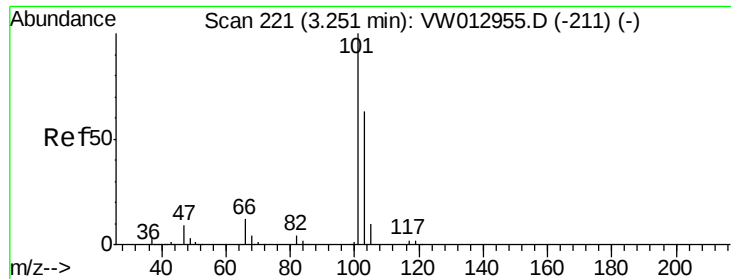
66 30.4 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



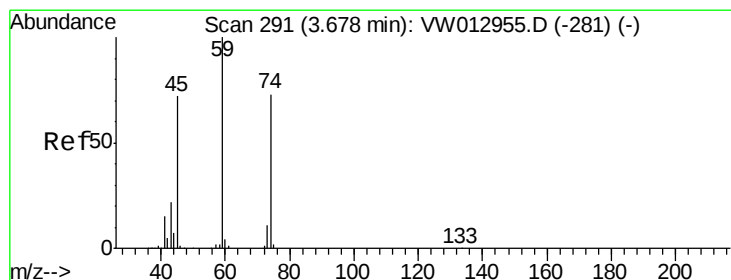
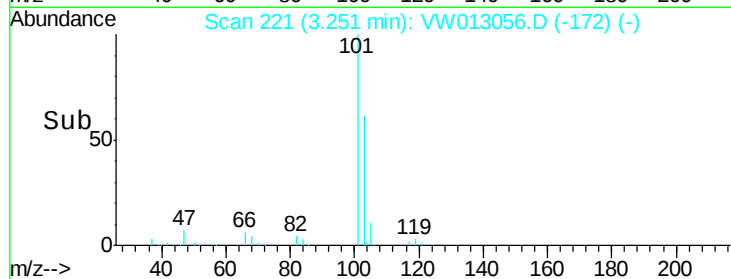
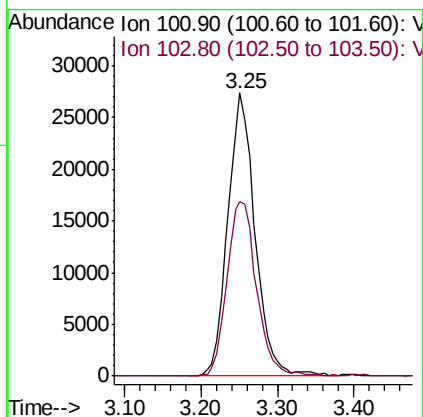
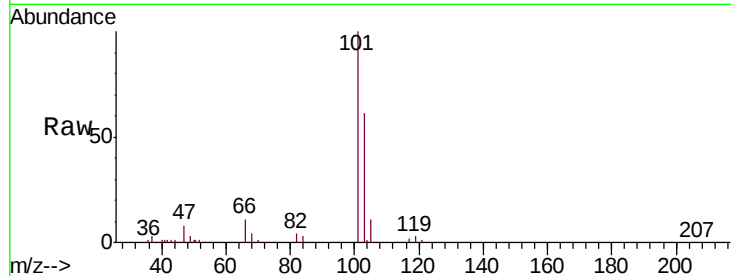


#7

Trichlorofluoromethane
 Concen: 40.797 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW013056.D
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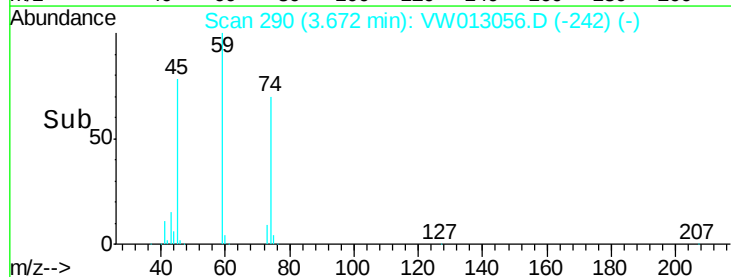
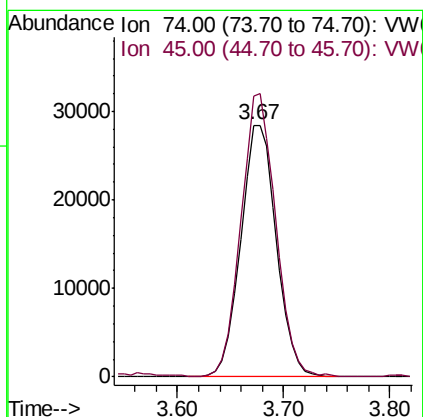
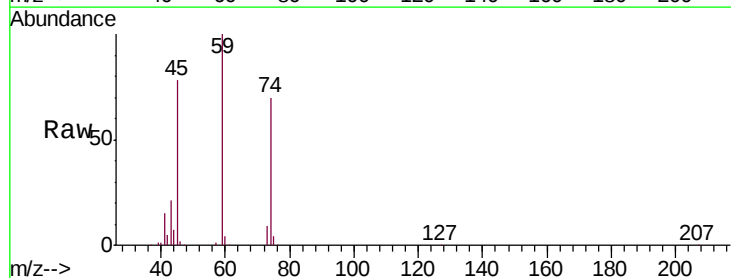
Tgt Ion:101 Resp: 67666
 Ion Ratio Lower Upper
 101 100
 103 61.5 50.7 76.1

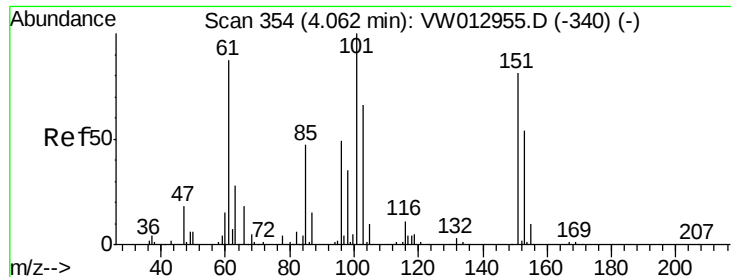


#8

Diethyl Ether
 Concen: 51.616 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW013056.D
 Acq: 16 Sep 2019 22:26

Tgt Ion: 74 Resp: 66848
 Ion Ratio Lower Upper
 74 100
 45 110.2 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.562 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

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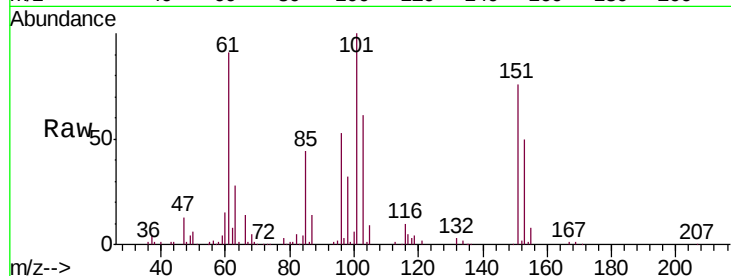
Tgt Ion:101 Resp: 122162

Ion Ratio Lower Upper

101 100

85 42.7 34.9 52.3

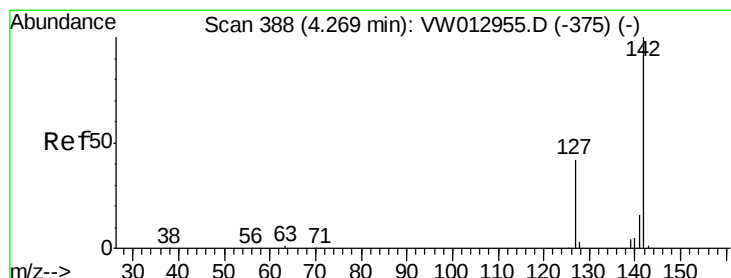
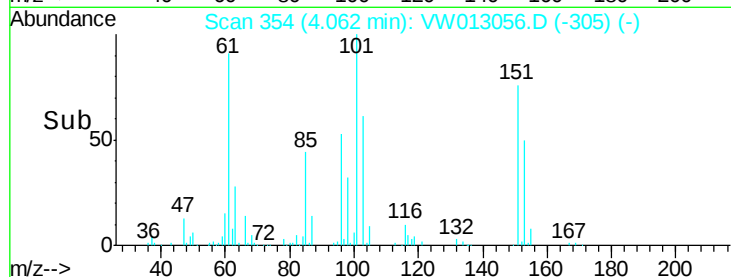
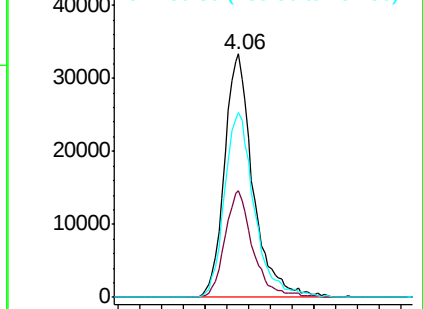
151 79.4 66.0 99.0



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: 53.230 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

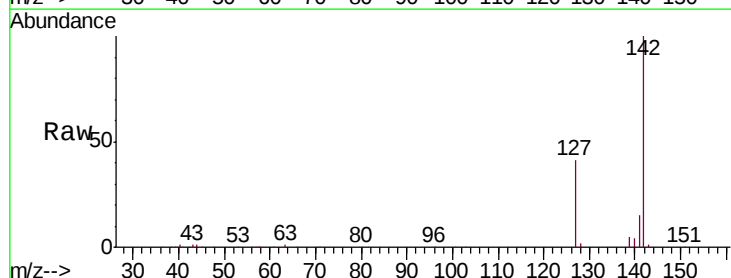
Tgt Ion:142 Resp: 167581

Ion Ratio Lower Upper

142 100

127 41.5 34.7 52.1

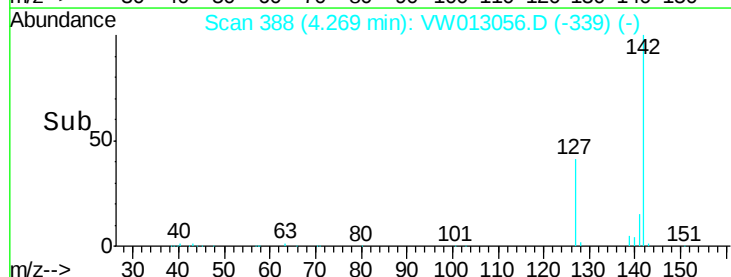
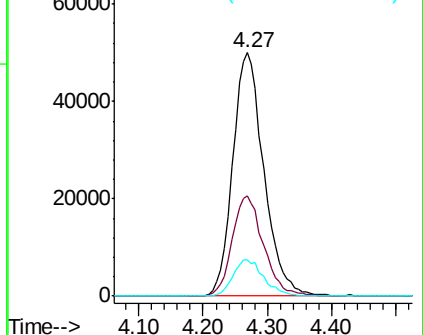
141 14.9 12.2 18.2

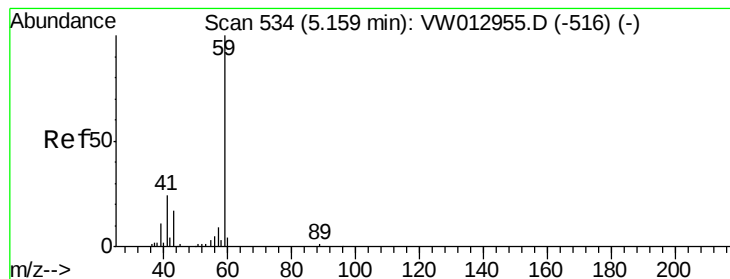


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



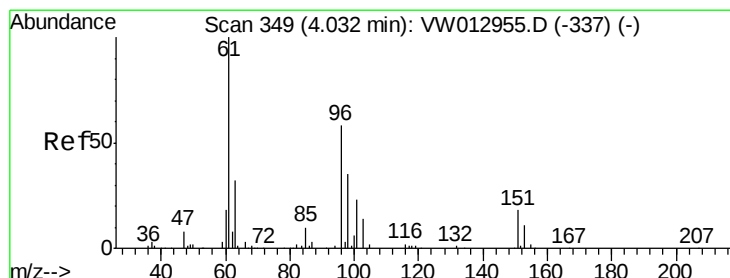
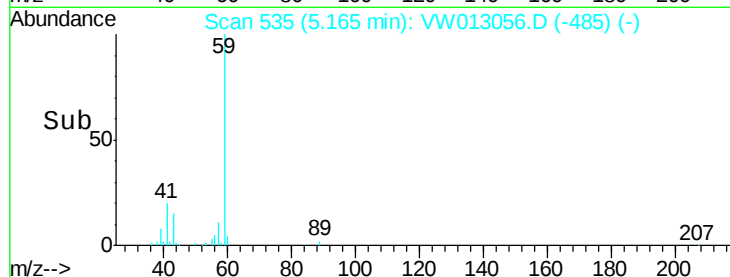
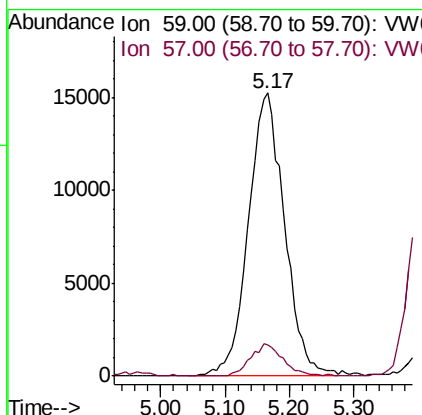
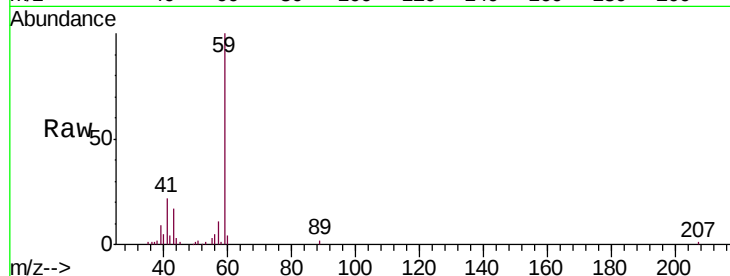


#11

Tert butyl alcohol
 Concen: 288.616 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. 0.01 min
 Lab File: VW013056.D
 Acq: 16 Sep 2019 22:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

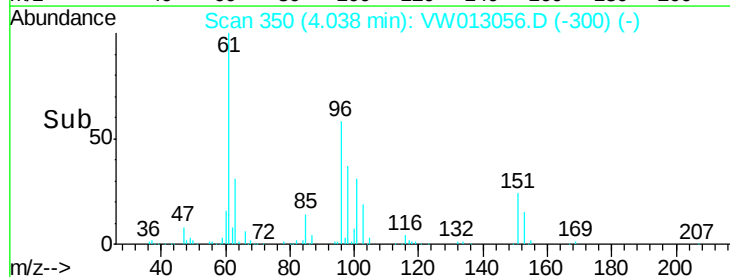
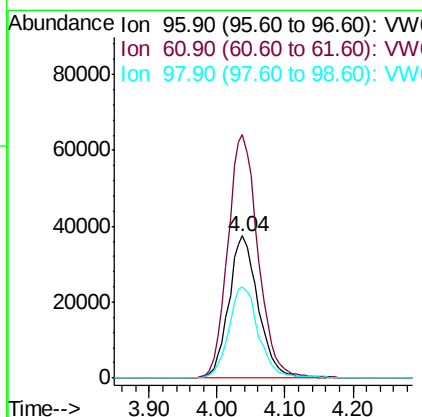
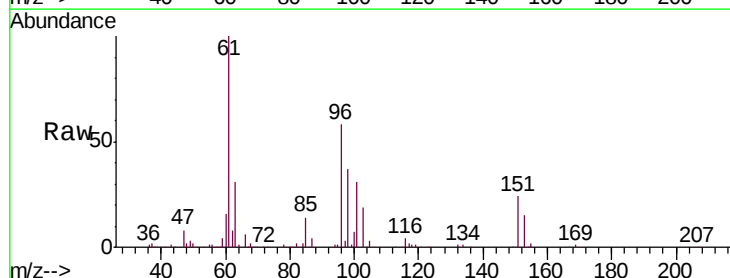
Tgt Ion: 59 Resp: 58942
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.5 12.7

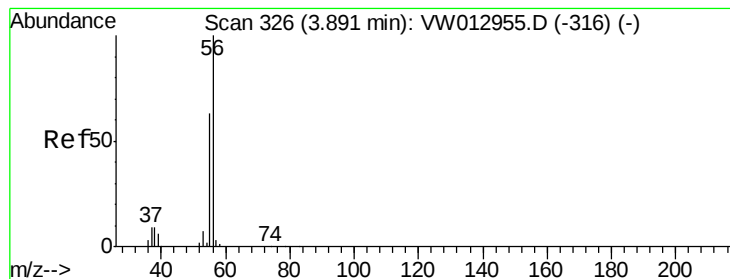


#12

1,1-Dichloroethene
 Concen: 49.549 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.01 min
 Lab File: VW013056.D
 Acq: 16 Sep 2019 22:26

Tgt Ion: 96 Resp: 113332
 Ion Ratio Lower Upper
 96 100
 61 171.0 137.9 206.9
 98 63.9 48.9 73.3





#13

Acrolein

Concen: 291.232 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Instrument :

MSVOA_W

ClientSampled :

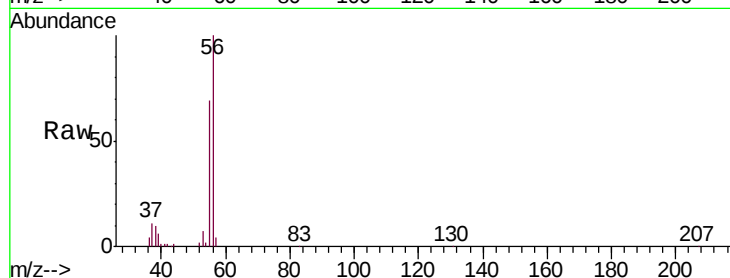
VSTDCCC050

Tgt Ion: 56 Resp: 65445

Ion Ratio Lower Upper

56 100

55 69.2 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.89

25000

20000

15000

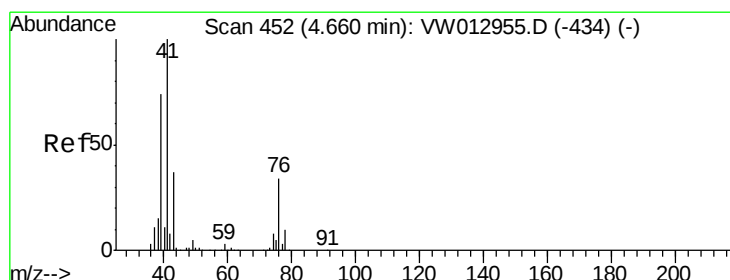
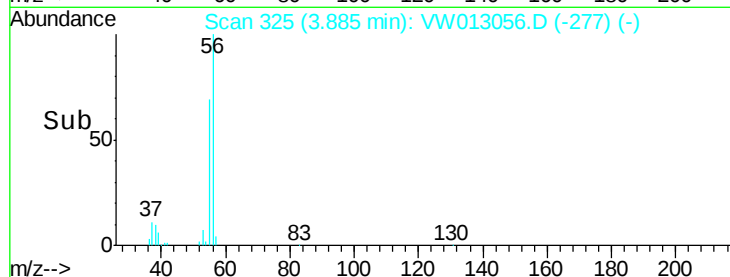
10000

5000

0

Time-->

3.80 3.90 4.00



#14

Allyl chloride

Concen: 57.259 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

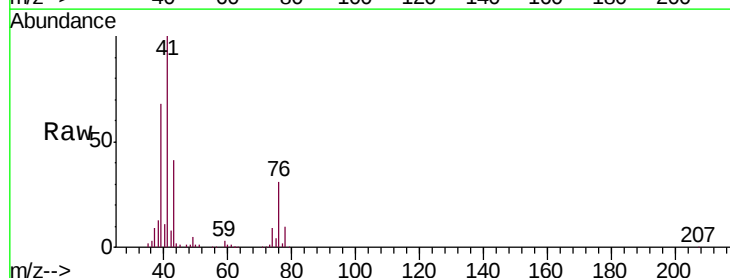
Tgt Ion: 41 Resp: 248634

Ion Ratio Lower Upper

41 100

39 65.7 56.7 85.1

76 30.6 25.1 37.7



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW

4.67

100000

80000

60000

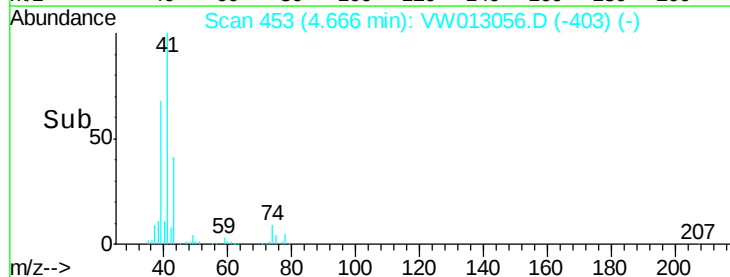
40000

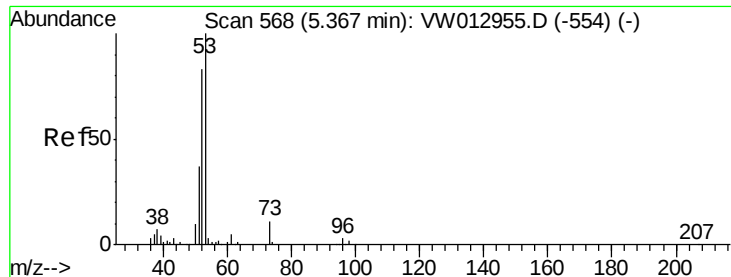
20000

0

Time-->

4.50 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 286.081 ug/l

RT: 5.35 min Scan# 566

Delta R.T. -0.01 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

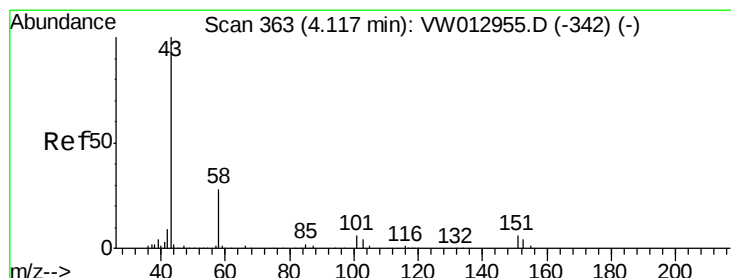
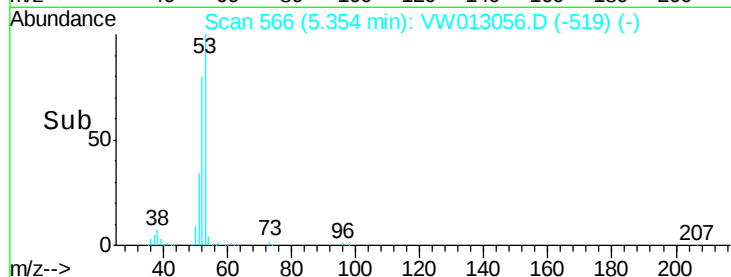
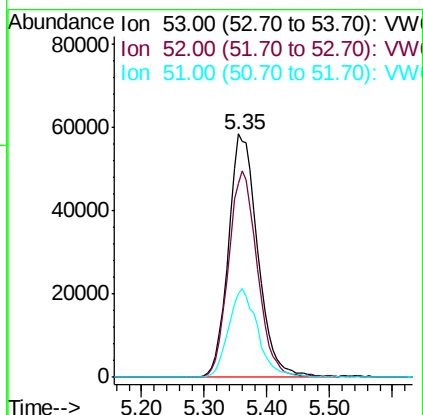
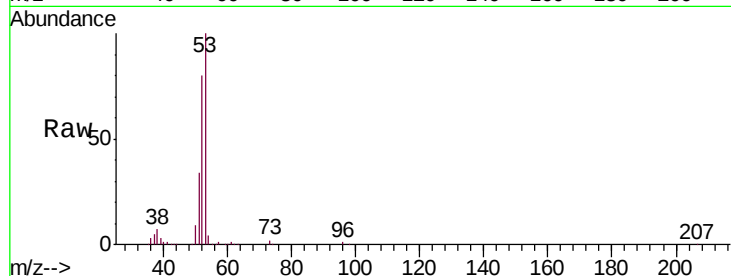
Tgt Ion: 53 Resp: 189232

Ion Ratio Lower Upper

53 100

52 83.3 66.6 100.0

51 36.5 29.8 44.8



#16

Acetone

Concen: 248.541 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW013056.D

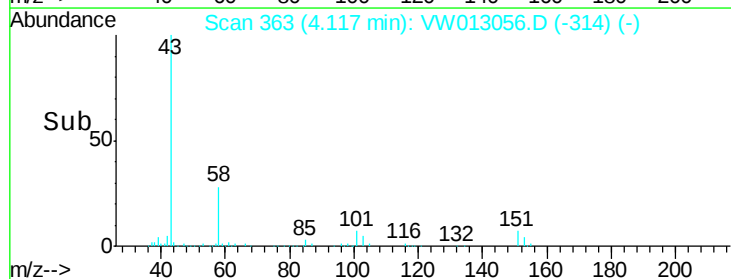
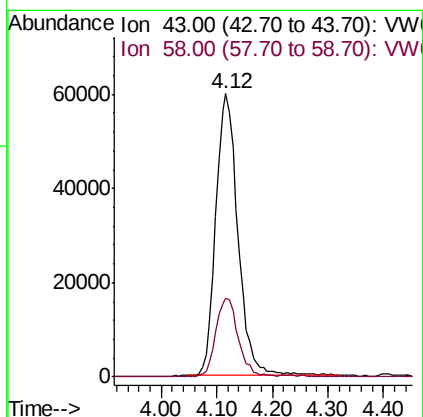
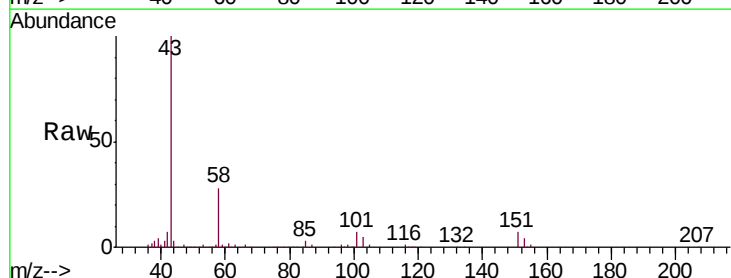
Acq: 16 Sep 2019 22:26

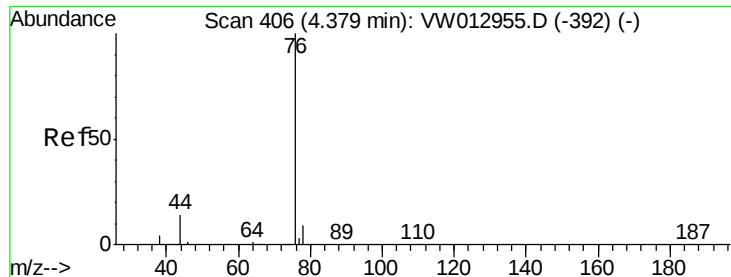
Tgt Ion: 43 Resp: 165126

Ion Ratio Lower Upper

43 100

58 28.0 22.3 33.5

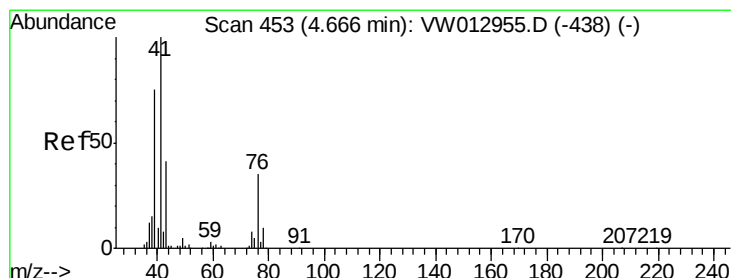
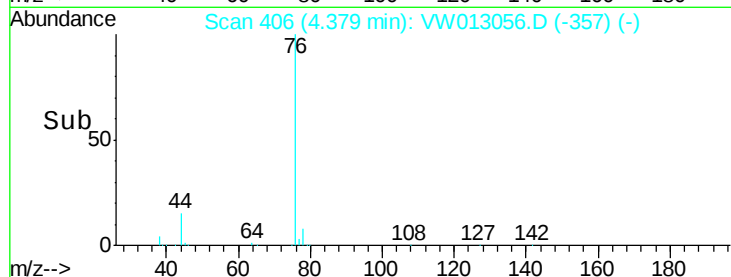
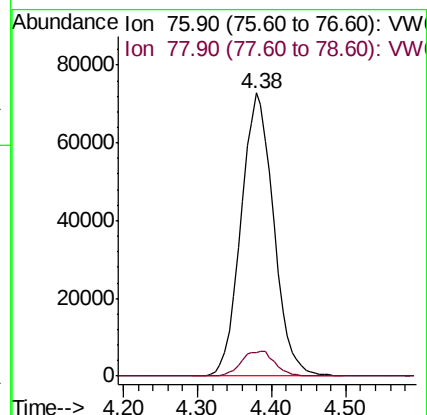
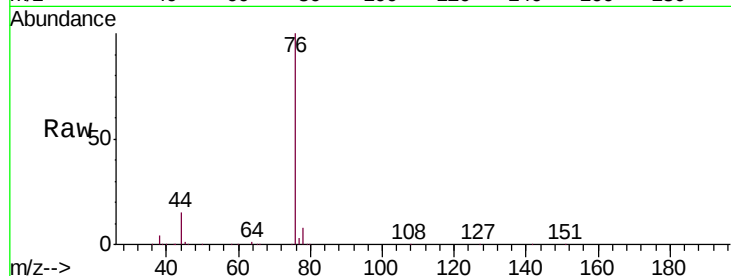




#17
Carbon Disulfide
Concen: 49.036 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

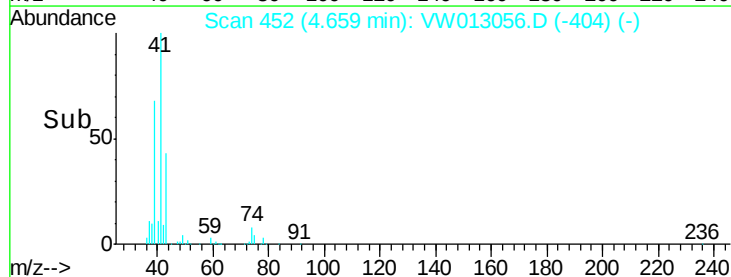
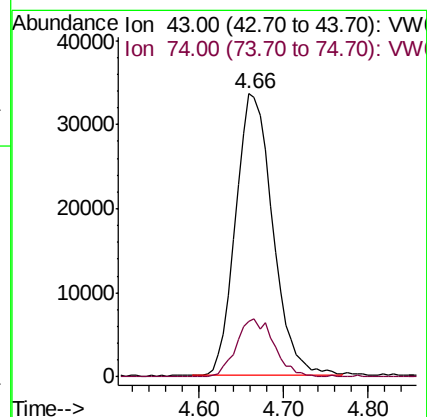
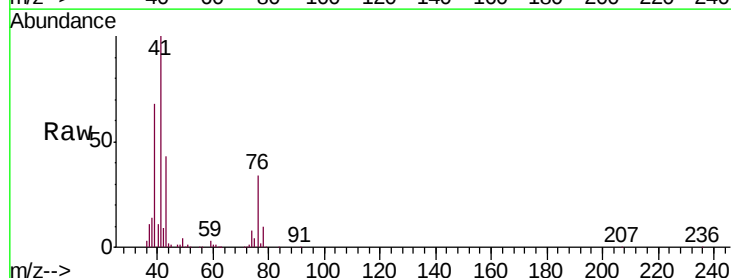
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

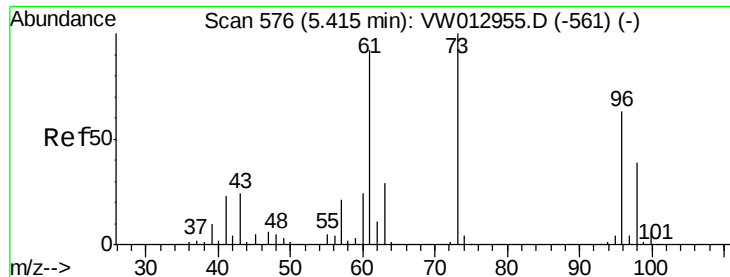
Tgt Ion: 76 Resp: 223515
Ion Ratio Lower Upper
76 100
78 8.2 7.0 10.4



#18
Methyl Acetate
Concen: 57.379 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Tgt Ion: 43 Resp: 100045
Ion Ratio Lower Upper
43 100
74 21.0 17.8 26.8

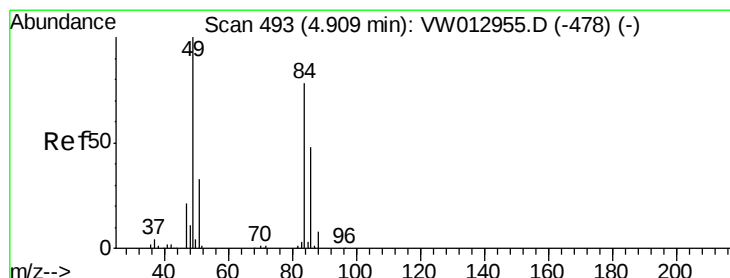
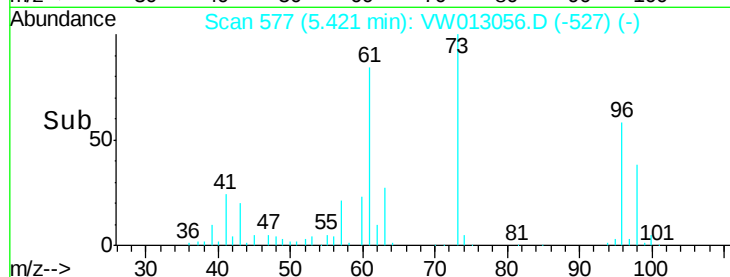
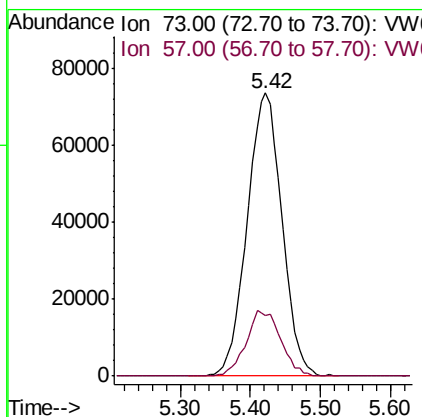
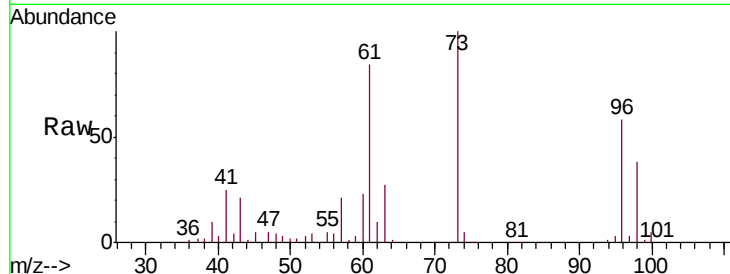




#19
Methyl tert-butyl Ether
Concen: 56.426 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

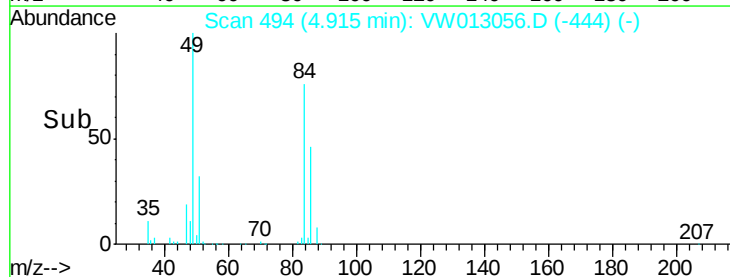
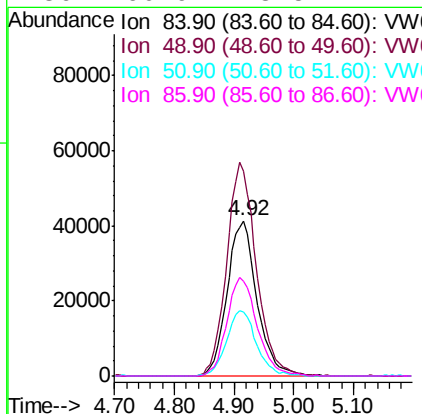
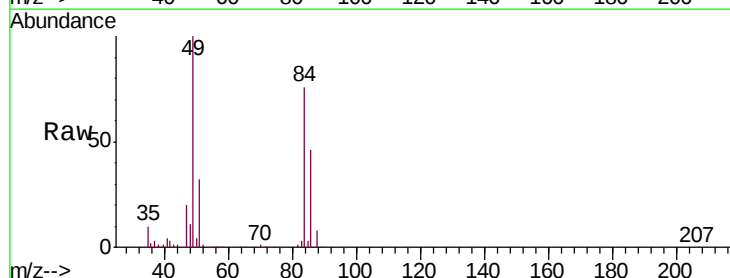
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

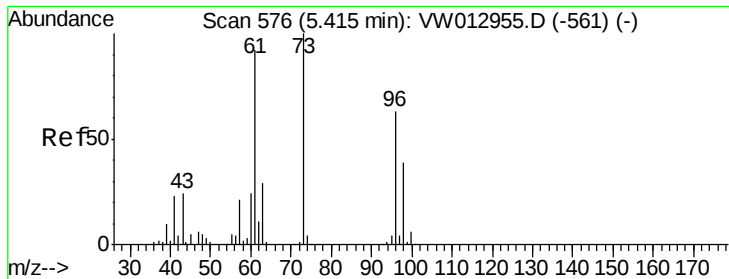
Tgt Ion: 73 Resp: 254765
Ion Ratio Lower Upper
73 100
57 21.4 16.4 24.6



#20
Methylene Chloride
Concen: 59.137 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Tgt Ion: 84 Resp: 143872
Ion Ratio Lower Upper
84 100
49 131.6 102.0 153.0
51 41.6 34.0 51.0
86 60.9 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 52.522 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

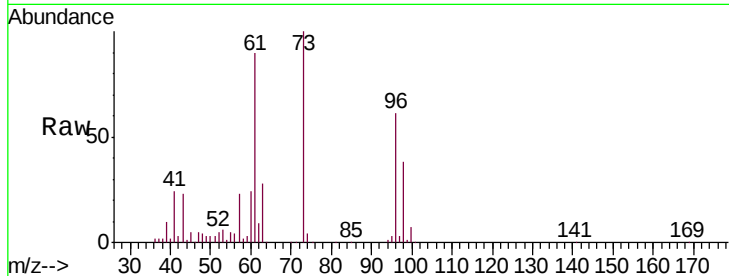
Tgt Ion: 96 Resp: 128666

Ion Ratio Lower Upper

96 100

61 147.3 116.2 174.2

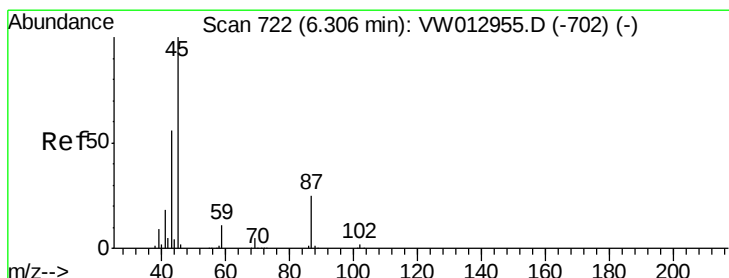
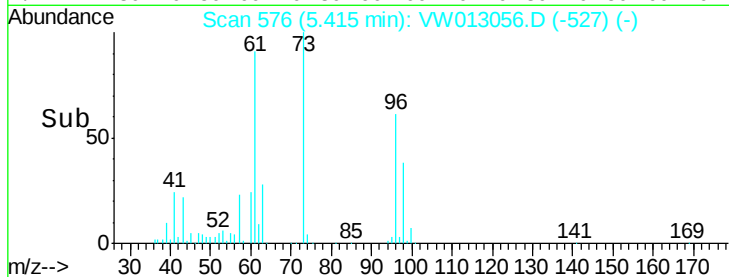
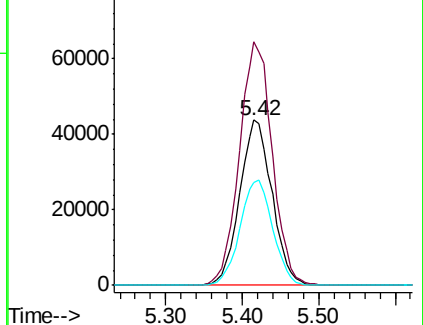
98 61.9 49.8 74.6



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: 58.396 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Tgt Ion: 45 Resp: 526776

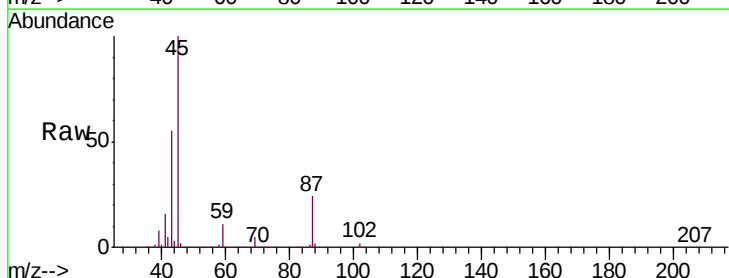
Ion Ratio Lower Upper

45 100

43 54.8 44.6 67.0

87 24.2 20.0 30.0

59 11.0 8.7 13.1

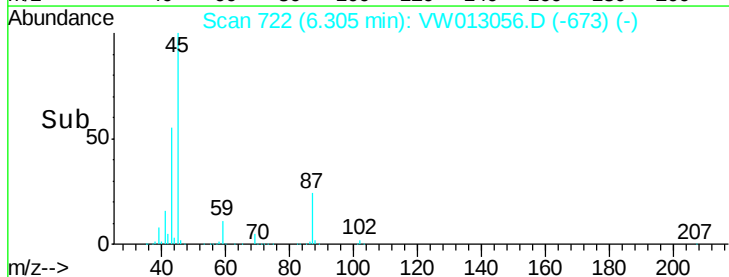
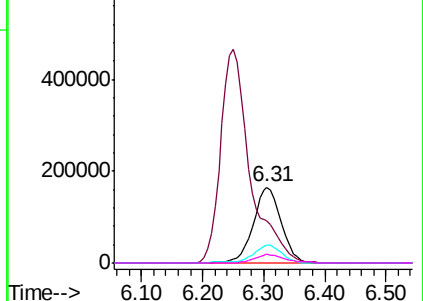


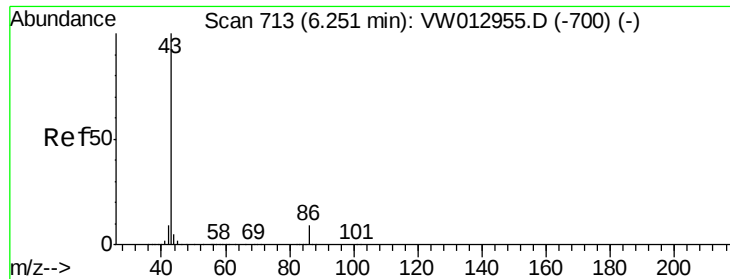
Abundance Ion 45.00 (44.70 to 45.70): VW

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

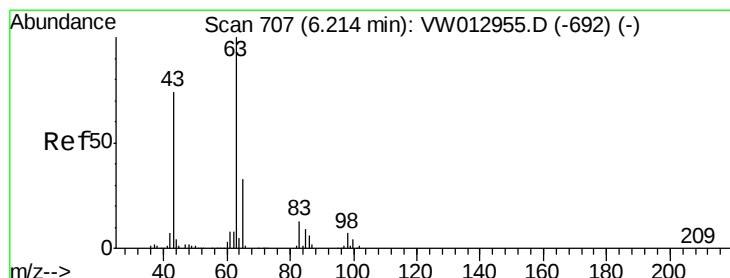
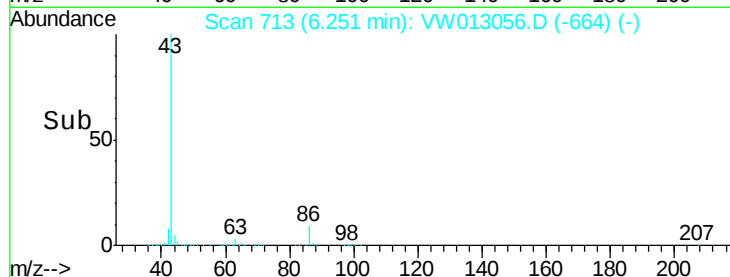
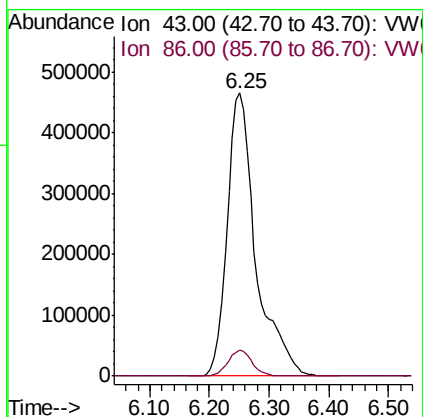
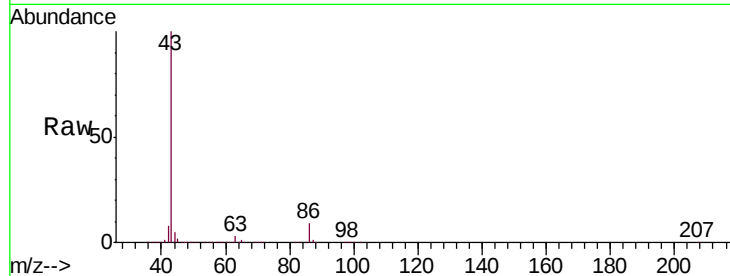




#23
 Vinyl Acetate
 Concen: 287.412 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW013056.D
 Acq: 16 Sep 2019 22:26

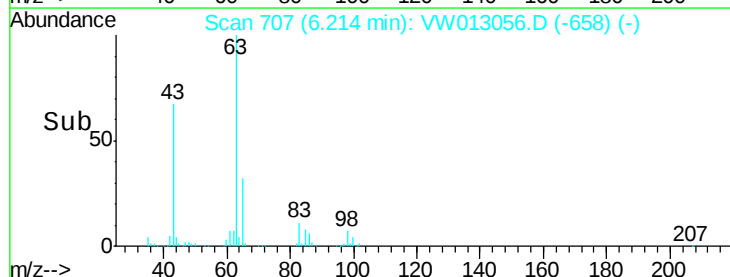
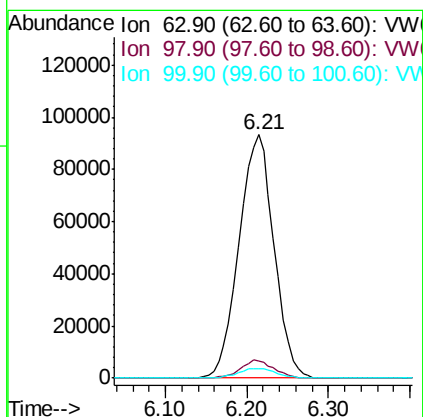
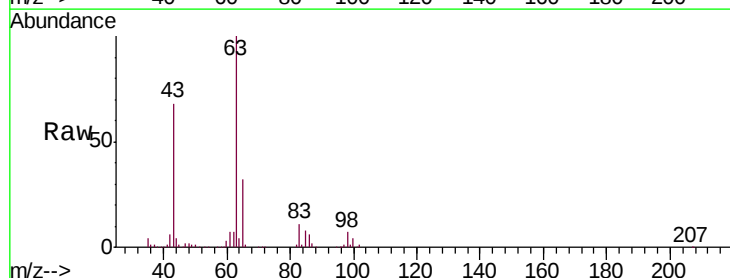
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

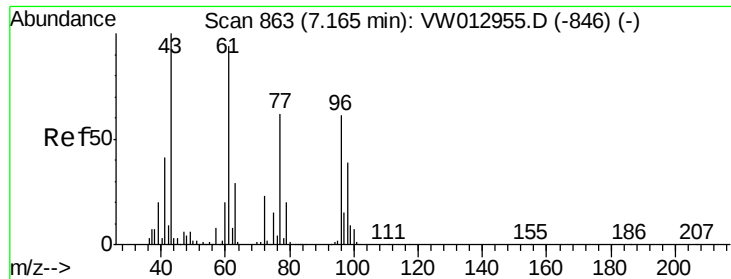
Tgt Ion: 43 Resp: 1552858
 Ion Ratio Lower Upper
 43 100
 86 9.2 7.0 10.6



#24
 1,1-Dichloroethane
 Concen: 53.287 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW013056.D
 Acq: 16 Sep 2019 22:26

Tgt Ion: 63 Resp: 277152
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.3 9.9
 100 4.1 1.8 5.5





#25

2-Butanone

Concen: 268.301 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Instrument :

MSVOA_W

ClientSampleId :

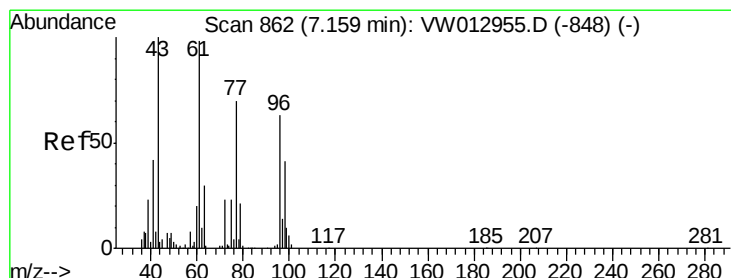
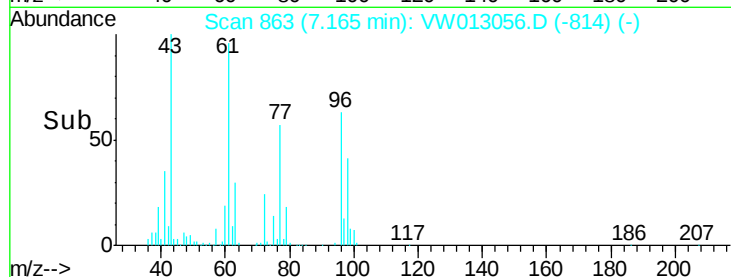
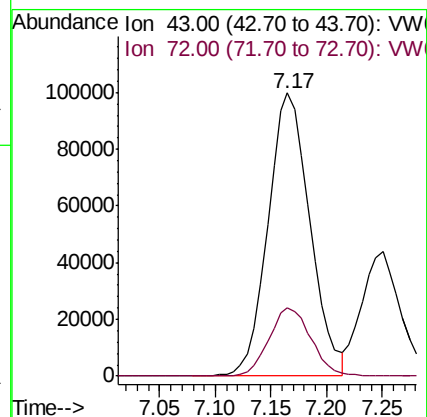
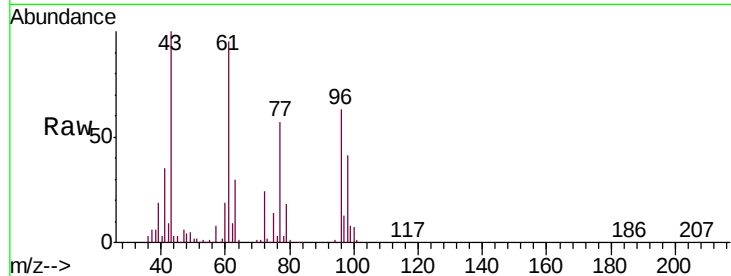
VSTDCCC050

Tgt Ion: 43 Resp: 261095

Ion Ratio Lower Upper

43 100

72 24.2 18.2 27.4



#26

2,2-Dichloropropane

Concen: 52.013 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW013056.D

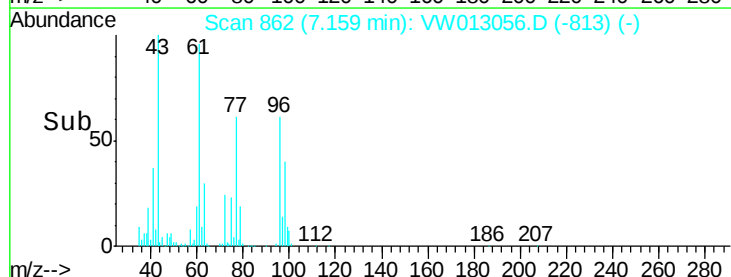
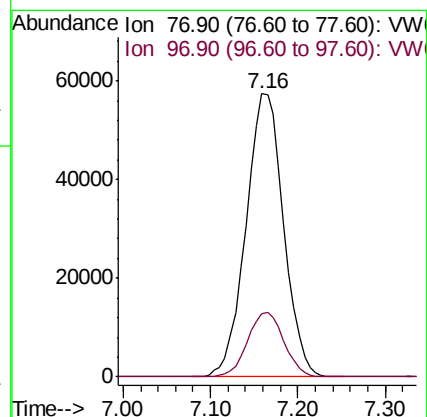
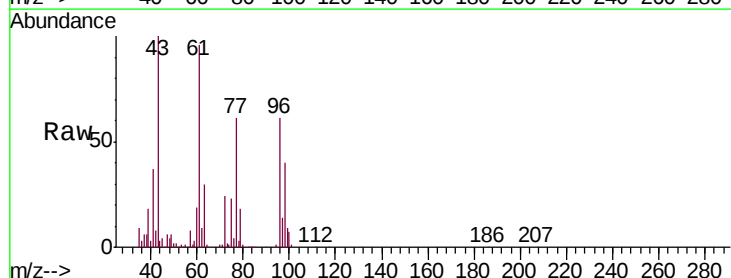
Acq: 16 Sep 2019 22:26

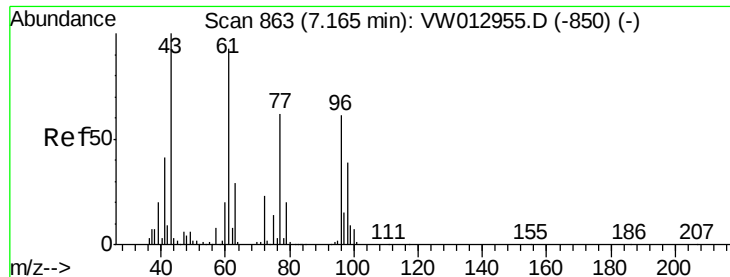
Tgt Ion: 77 Resp: 171107

Ion Ratio Lower Upper

77 100

97 22.1 10.7 32.1



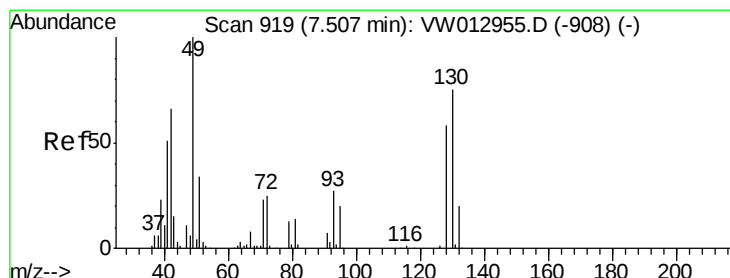
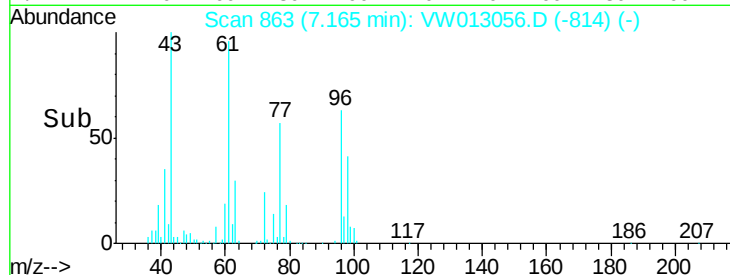
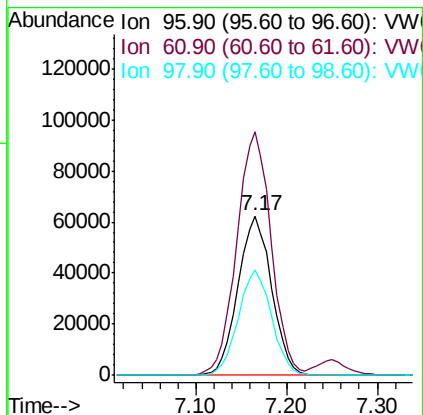
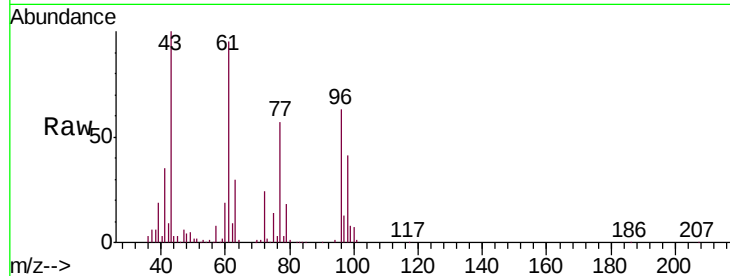


#27

cis-1,2-Dichloroethene
Concen: 54.612 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

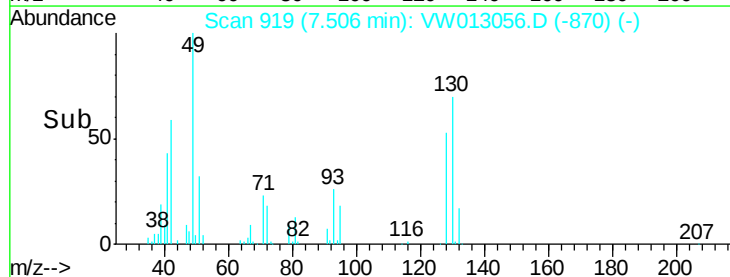
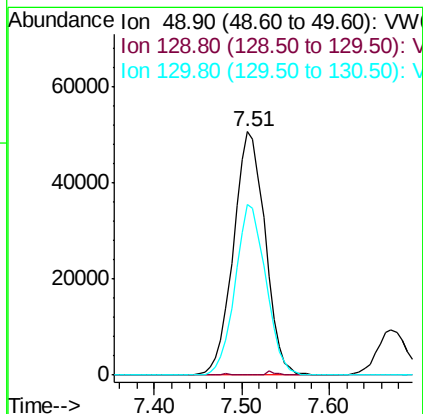
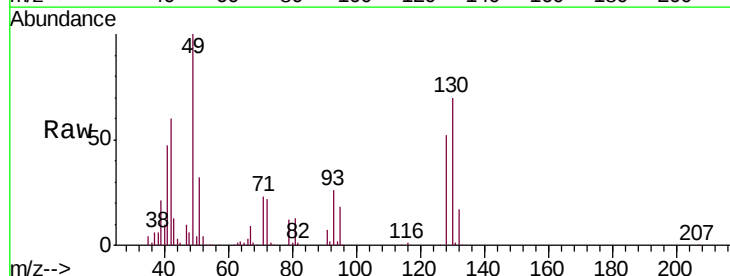
Tgt Ion: 96 Resp: 160172
Ion Ratio Lower Upper
96 100
61 156.6 0.0 315.4
98 65.5 0.0 131.0

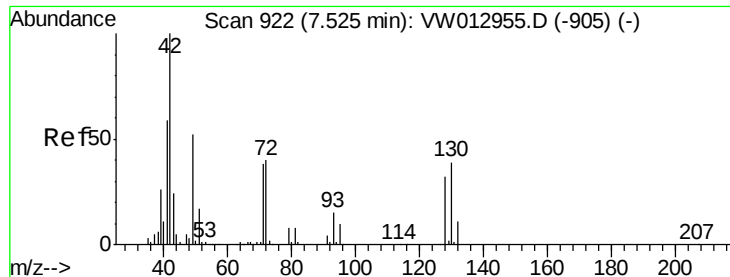


#28

Bromochloromethane
Concen: 58.288 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Tgt Ion: 49 Resp: 127600
Ion Ratio Lower Upper
49 100
129 0.0 0.0 1.4
130 68.1 57.8 86.6

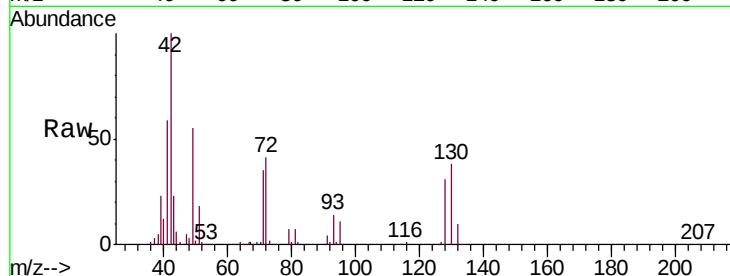




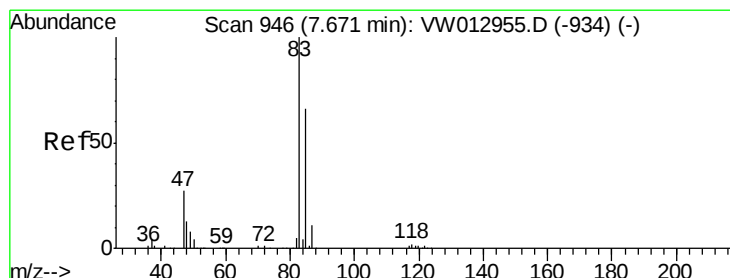
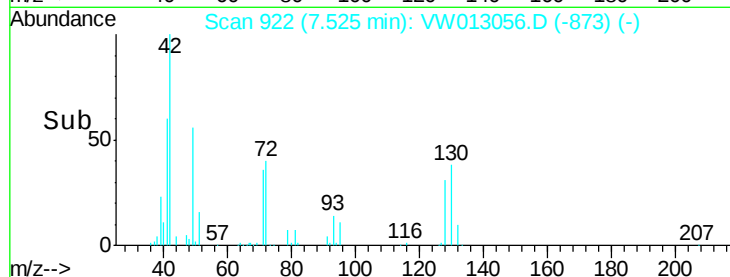
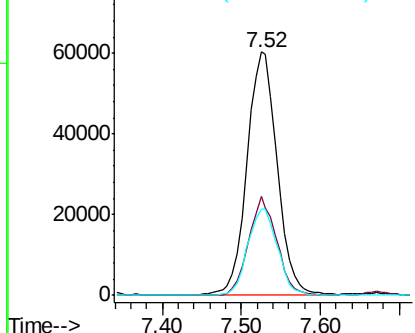
#29
Tetrahydrofuran
Concen: 289.341 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 160433
Ion Ratio Lower Upper
42 100
72 37.8 31.4 47.0
71 35.4 29.8 44.8

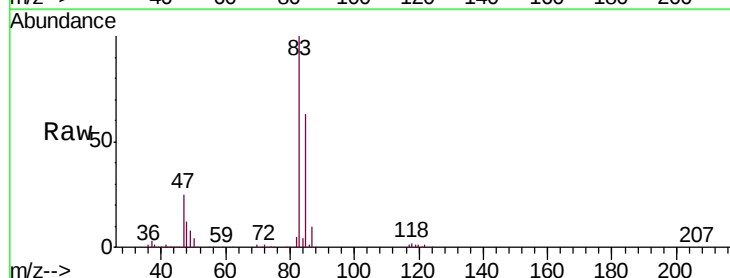


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

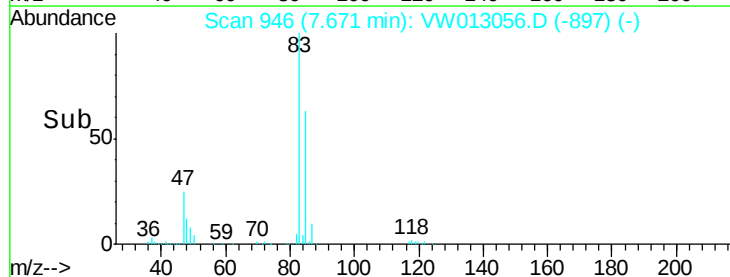
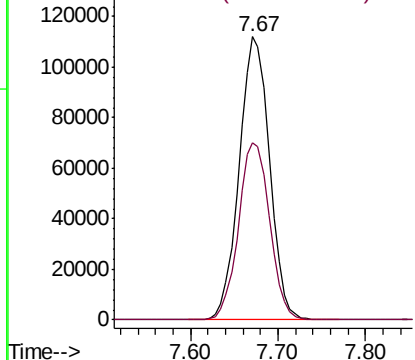


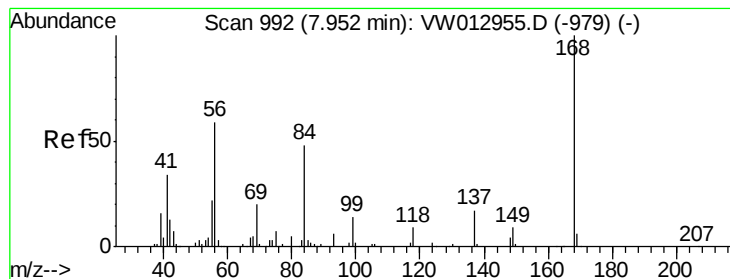
#30
Chloroform
Concen: 51.088 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Tgt Ion: 83 Resp: 269986
Ion Ratio Lower Upper
83 100
85 62.6 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: 53.752 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

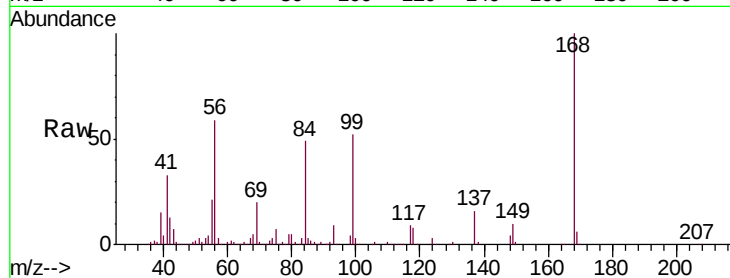
Tgt Ion: 56 Resp: 208617

Ion Ratio Lower Upper

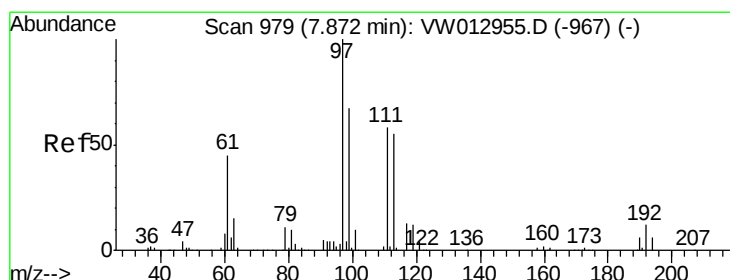
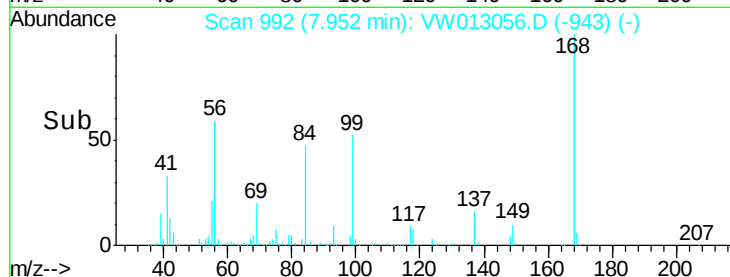
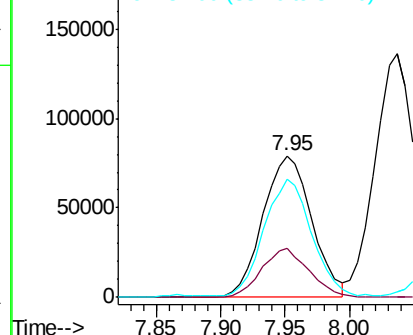
56 100

69 34.9 27.0 40.6

84 81.4 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: 50.506 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

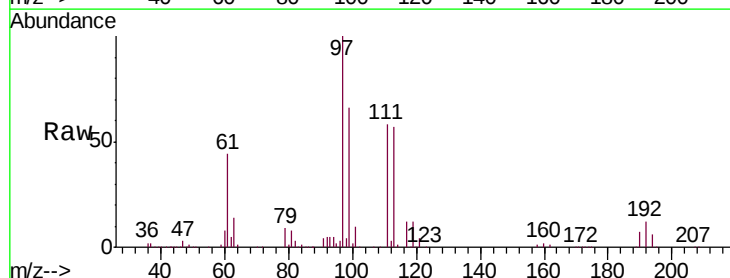
Tgt Ion: 97 Resp: 219807

Ion Ratio Lower Upper

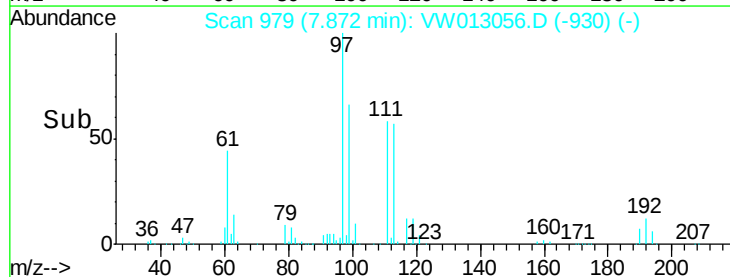
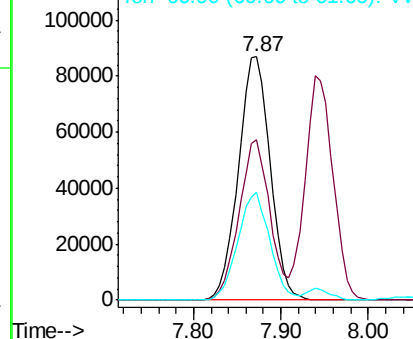
97 100

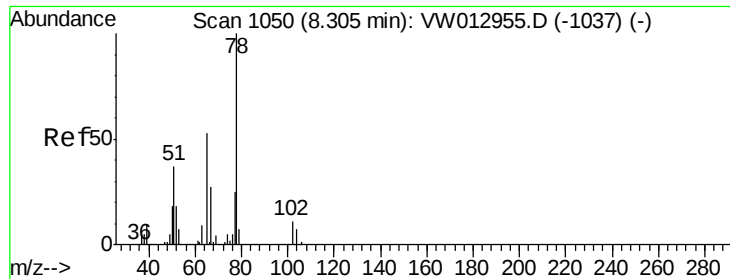
99 64.5 53.0 79.4

61 44.5 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

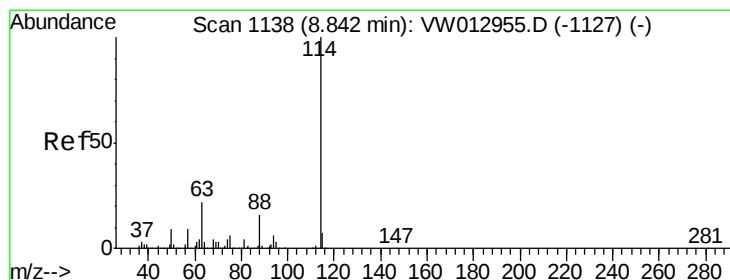
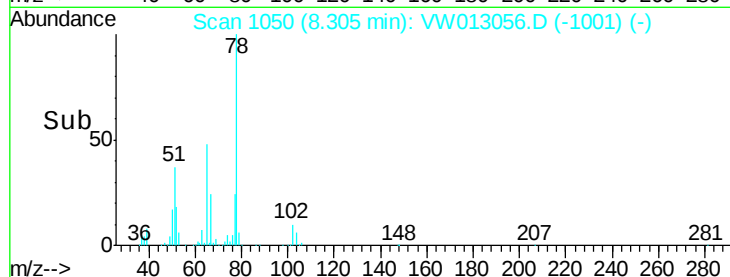
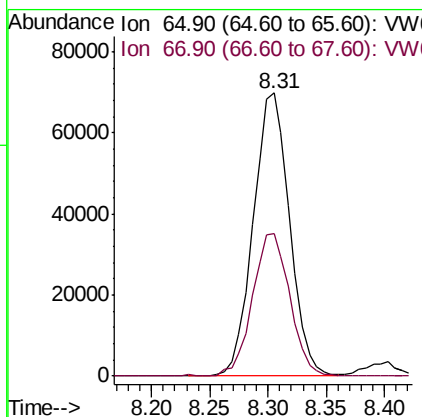
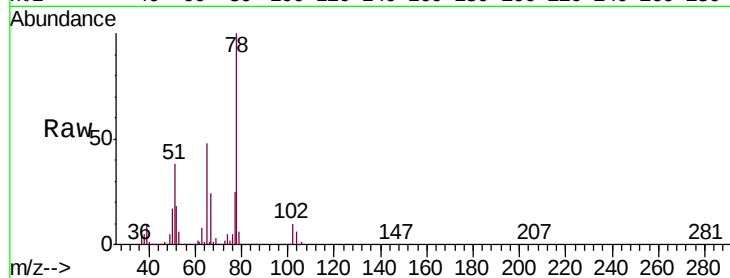




#33
 1,2-Dichloroethane-d4
 Concen: 49.546 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013056.D
 Acq: 16 Sep 2019 22:26

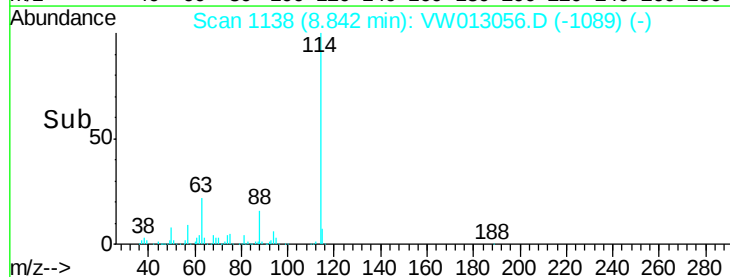
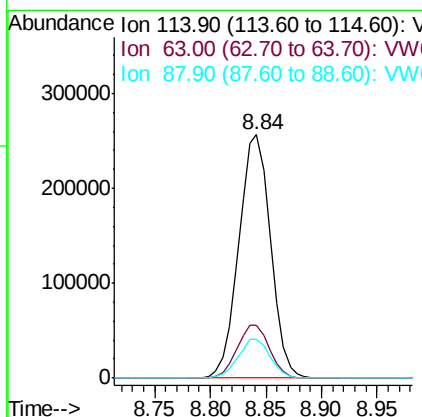
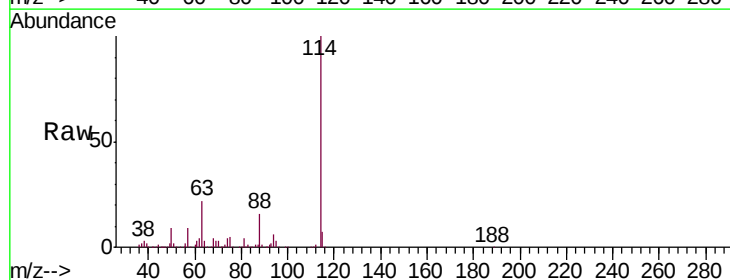
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

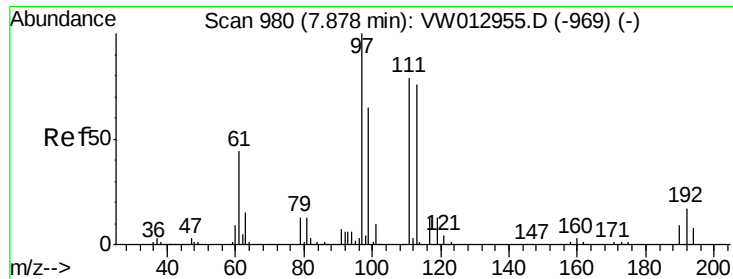
Tgt Ion: 65 Resp: 151632
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013056.D
 Acq: 16 Sep 2019 22:26

Tgt Ion: 114 Resp: 508908
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.4
 88 16.2 0.0 31.6

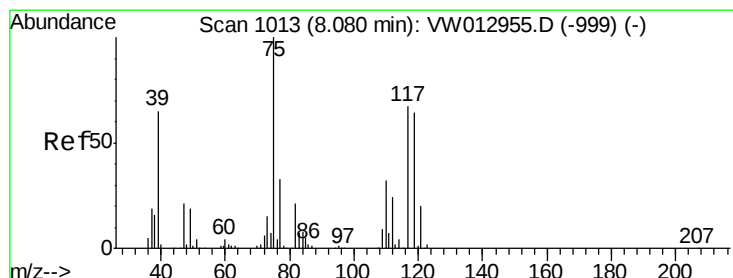
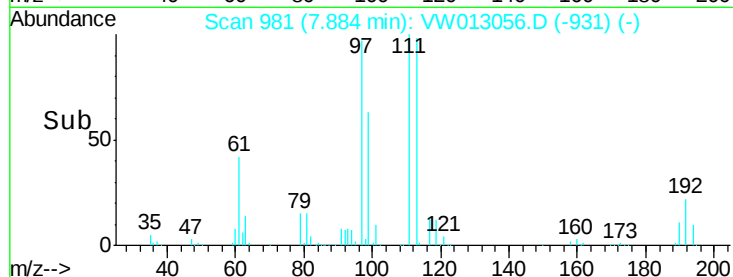
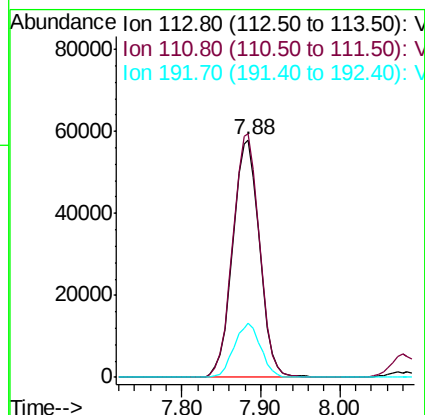
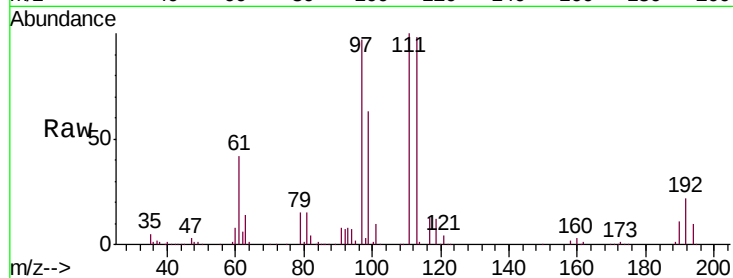




#35
 Dibromofluoromethane
 Concen: 49.546 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013056.D
 Acq: 16 Sep 2019 22:26

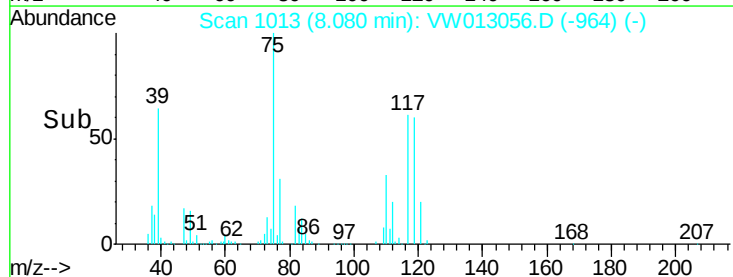
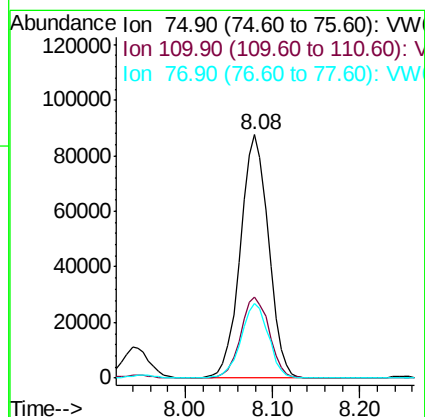
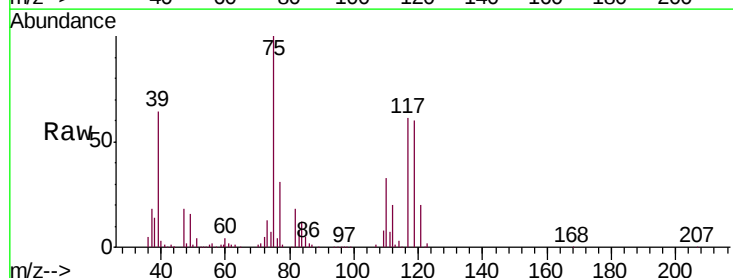
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

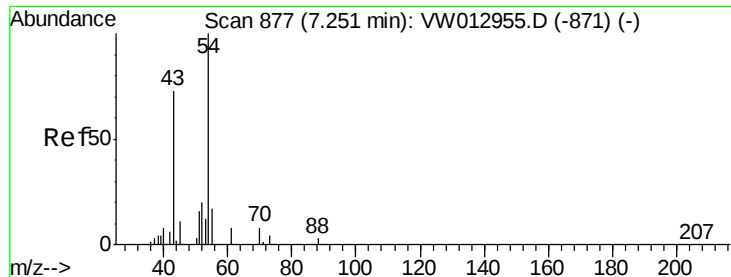
Tgt Ion: 113 Resp: 136817
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.8 124.2
 192 22.5 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 48.360 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013056.D
 Acq: 16 Sep 2019 22:26

Tgt Ion: 75 Resp: 196660
 Ion Ratio Lower Upper
 75 100
 110 33.8 16.4 49.1
 77 29.9 25.1 37.7

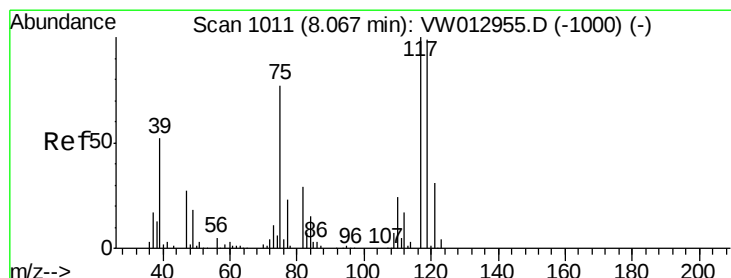
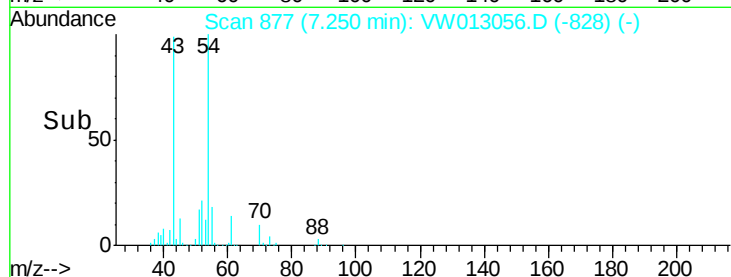
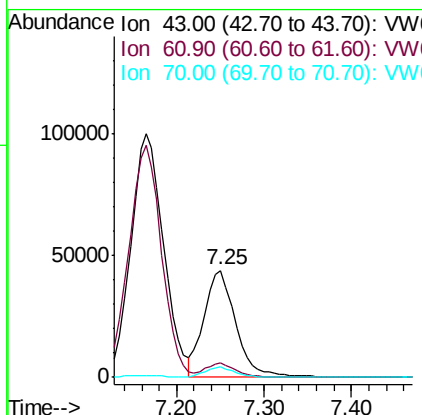
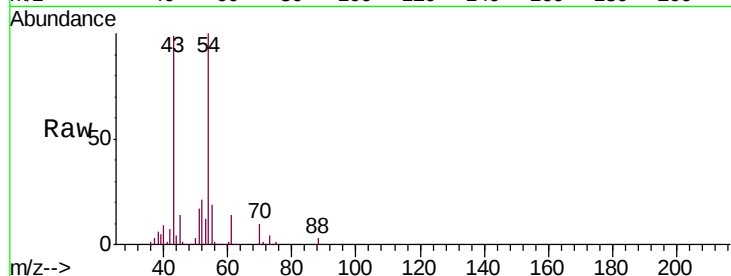




#37
Ethyl Acetate
 Concen: 50.869 ug/l
 RT: 7.25 min Scan# 877
 Delta R.T. -0.00 min
 Lab File: VW013056.D
 Acq: 16 Sep 2019 22:26

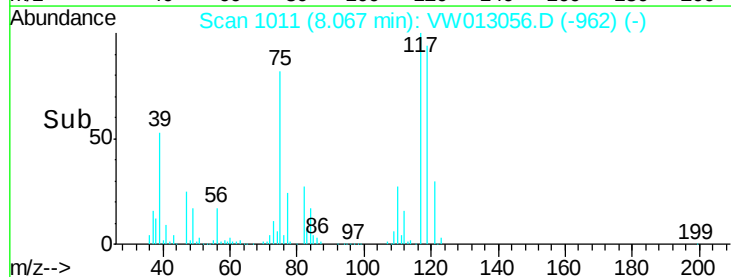
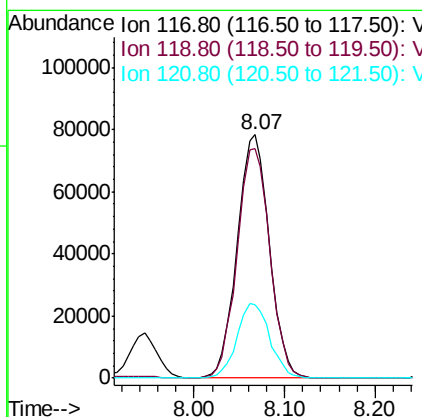
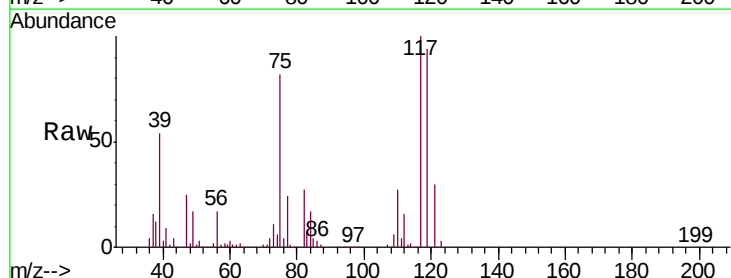
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

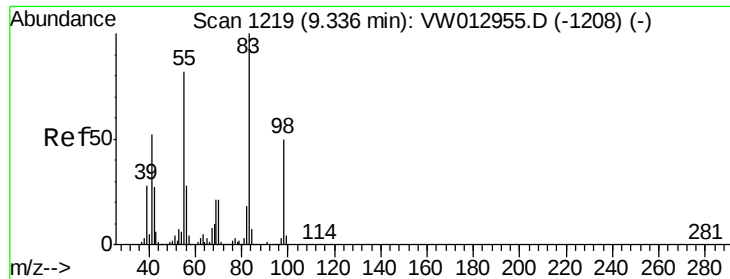
Tgt Ion: 43 Resp: 109801
 Ion Ratio Lower Upper
 43 100
 61 12.5 9.6 14.4
 70 9.3 7.6 11.4



#38
Carbon Tetrachloride
 Concen: 46.206 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VW013056.D
 Acq: 16 Sep 2019 22:26

Tgt Ion: 117 Resp: 192558
 Ion Ratio Lower Upper
 117 100
 119 94.0 79.4 119.0
 121 30.2 24.6 36.8

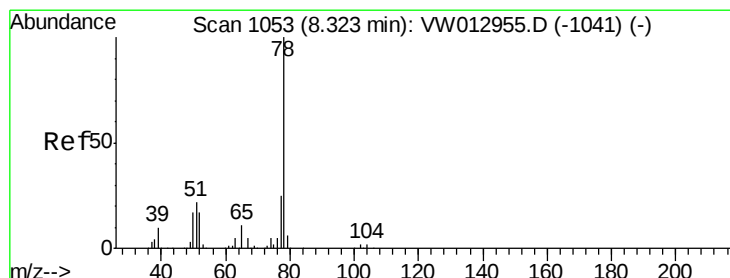
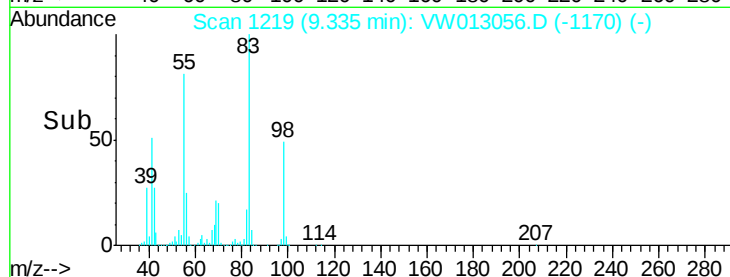
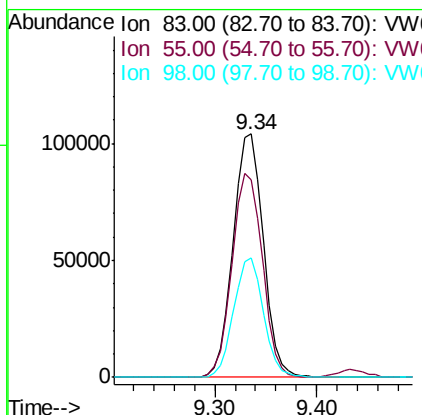
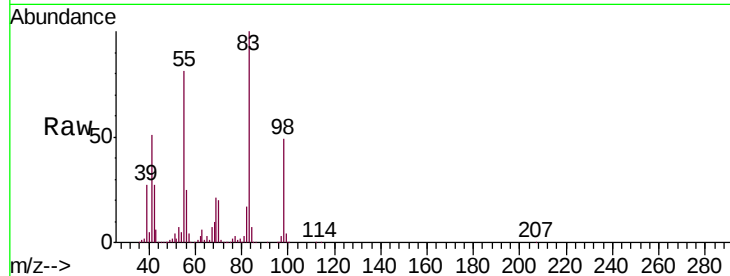




#39
Methylcyclohexane
Concen: 47.953 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

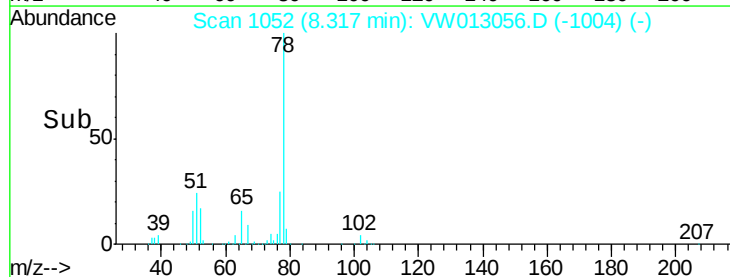
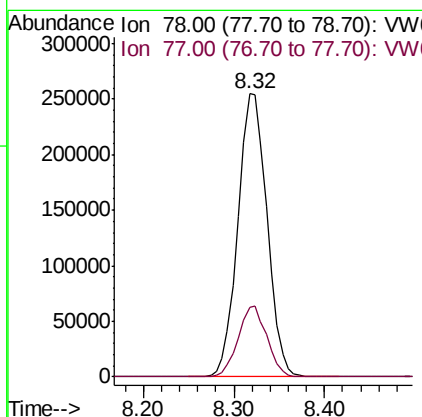
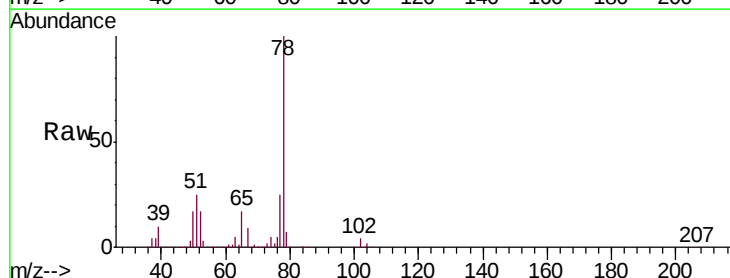
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

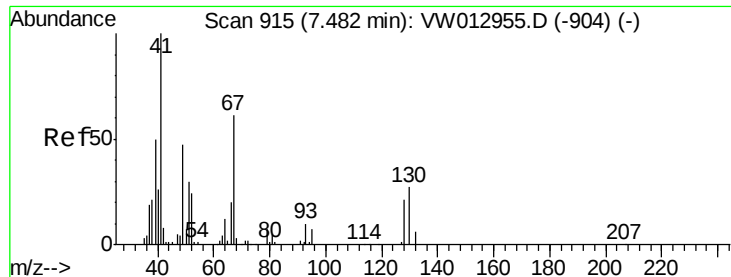
Tgt Ion: 83 Resp: 213687
Ion Ratio Lower Upper
83 100
55 81.1 65.9 98.9
98 48.9 39.6 59.4



#40
Benzene
Concen: 49.976 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Tgt Ion: 78 Resp: 567362
Ion Ratio Lower Upper
78 100
77 24.7 19.6 29.4





#41

Methacrylonitrile

Concen: 50.939 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 72408

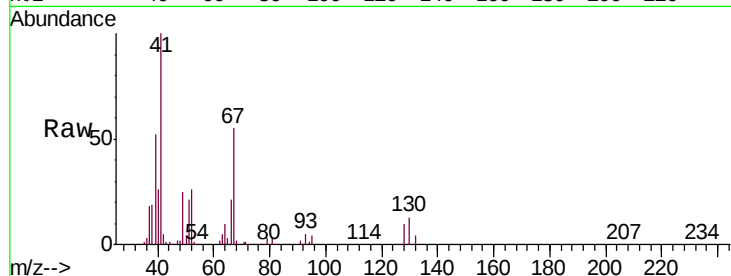
Ion Ratio Lower Upper

41 100

39 52.9 48.2 72.4

67 58.7 47.5 71.3

52 26.7 21.0 31.4

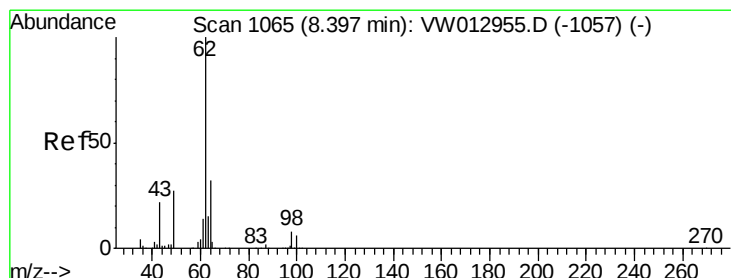
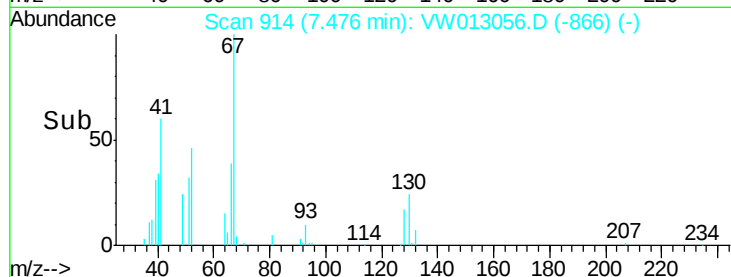
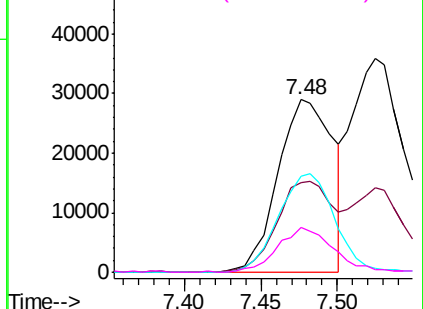


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 46.954 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013056.D

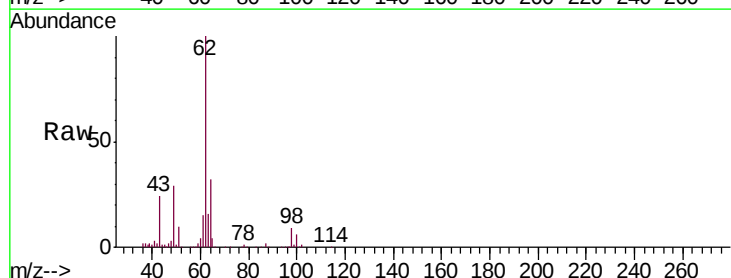
Acq: 16 Sep 2019 22:26

Tgt Ion: 62 Resp: 178691

Ion Ratio Lower Upper

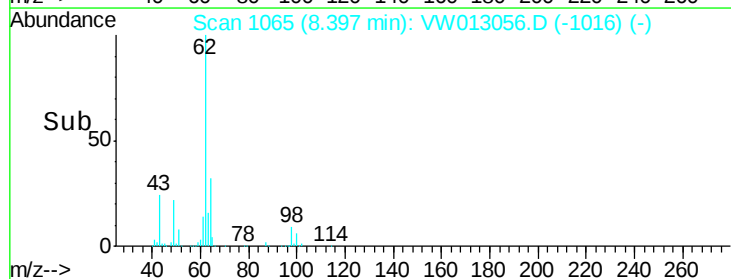
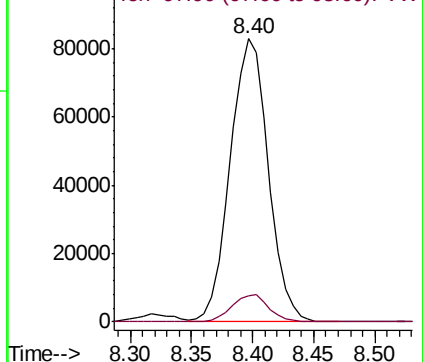
62 100

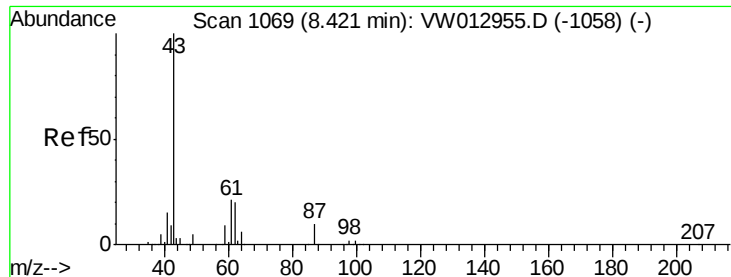
98 9.5 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 52.385 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

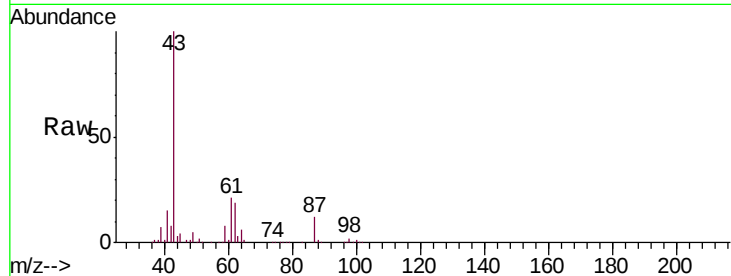
Tgt Ion: 43 Resp: 217107

Ion Ratio Lower Upper

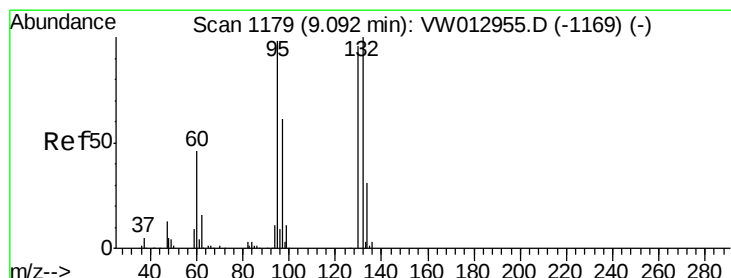
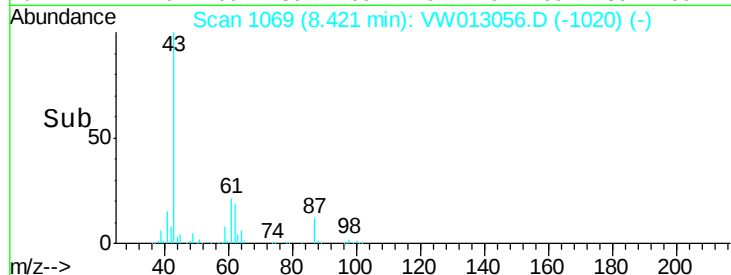
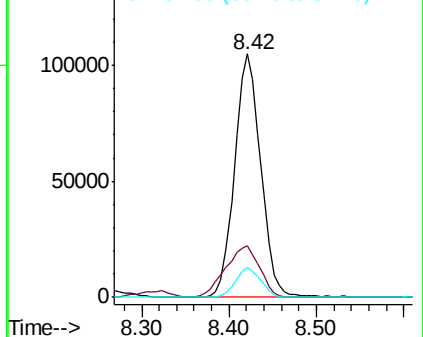
43 100

61 27.4 22.7 34.1

87 12.0 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: 48.204 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013056.D

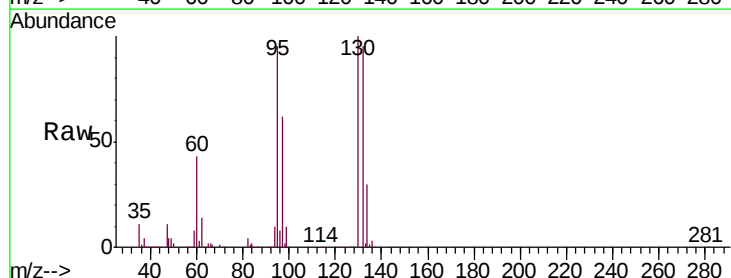
Acq: 16 Sep 2019 22:26

Tgt Ion: 130 Resp: 149894

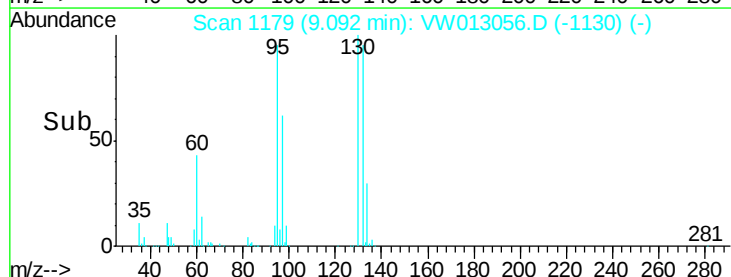
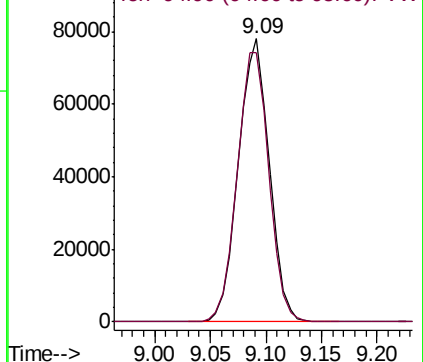
Ion Ratio Lower Upper

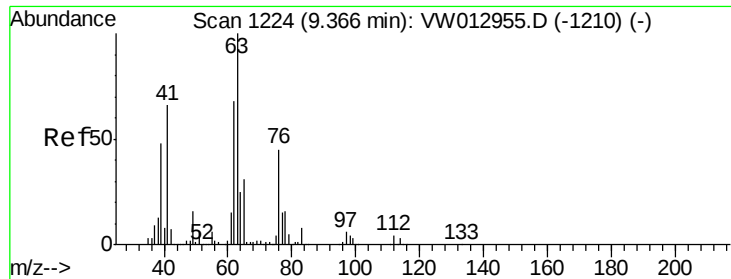
130 100

95 95.2 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: 52.906 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Instrument :

MSVOA_W

ClientSampleId :

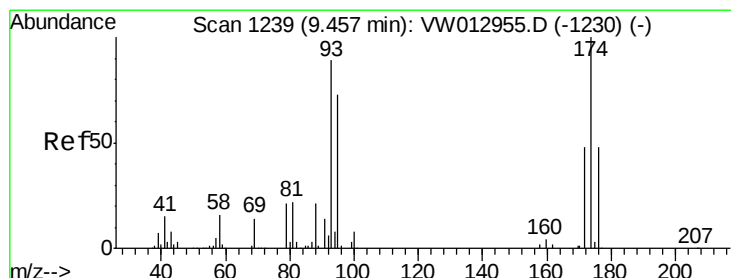
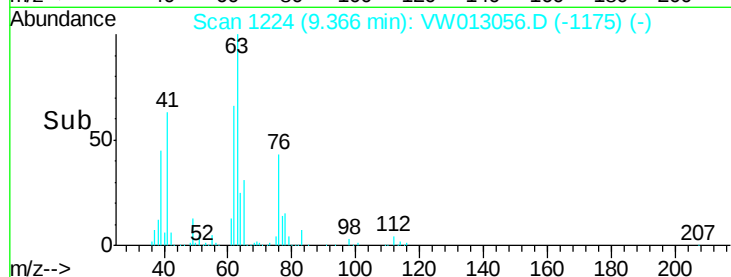
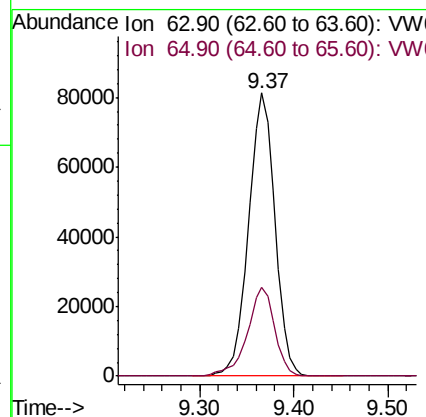
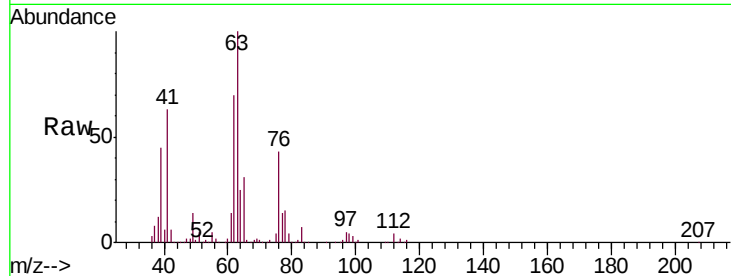
VSTDCCC050

Tgt Ion: 63 Resp: 159576

Ion Ratio Lower Upper

63 100

65 31.2 24.6 37.0



#46

Dibromomethane

Concen: 50.485 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

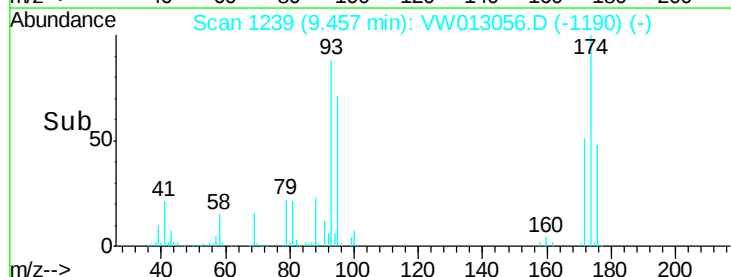
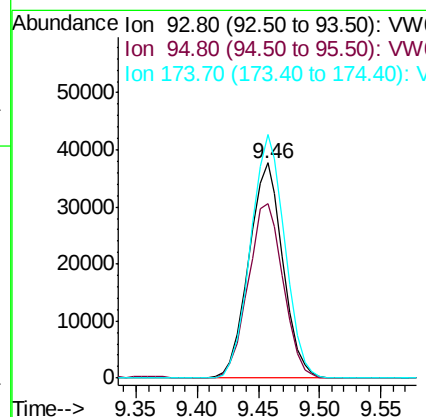
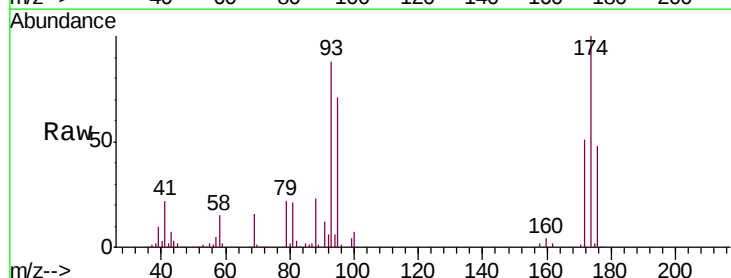
Tgt Ion: 93 Resp: 72954

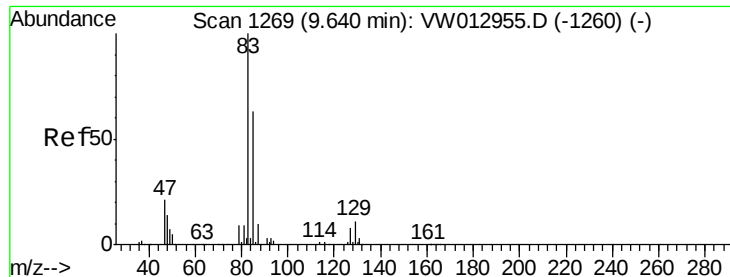
Ion Ratio Lower Upper

93 100

95 83.3 67.0 100.4

174 113.6 90.5 135.7





#47

Bromodichloromethane

Concen: 51.448 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

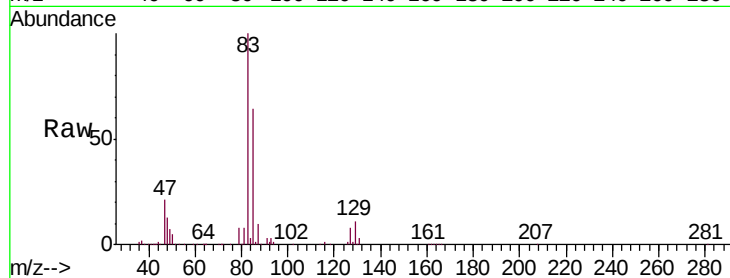
Tgt Ion: 83 Resp: 208539

Ion Ratio Lower Upper

83 100

85 63.5 50.6 75.8

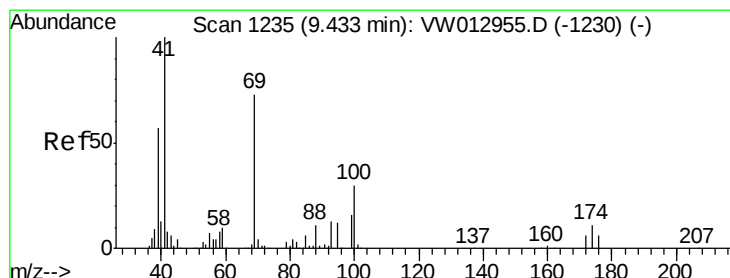
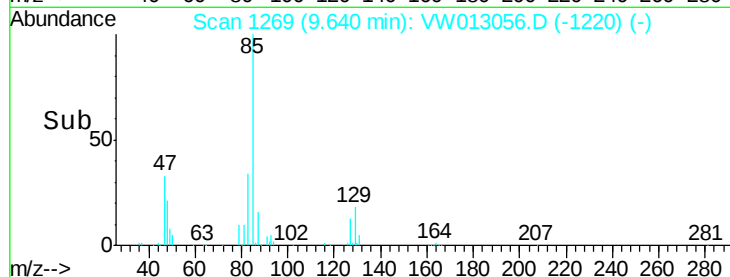
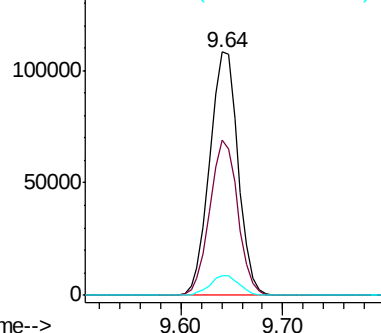
127 8.1 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 53.854 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

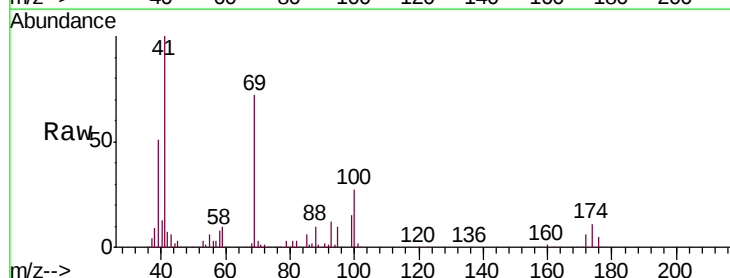
Tgt Ion: 41 Resp: 104749

Ion Ratio Lower Upper

41 100

69 76.7 62.8 94.2

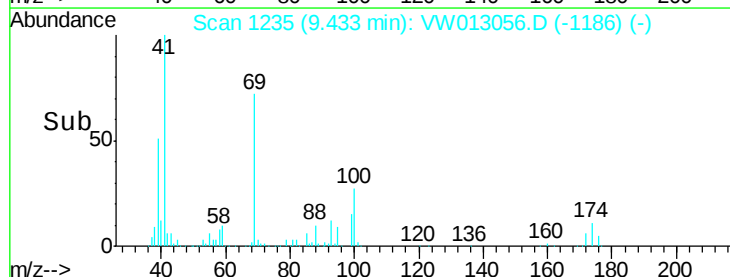
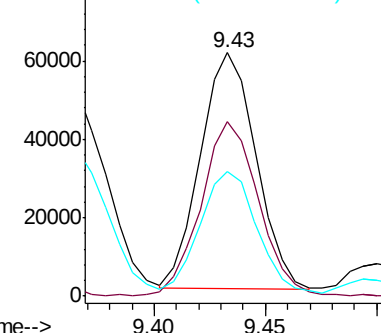
39 55.6 48.5 72.7

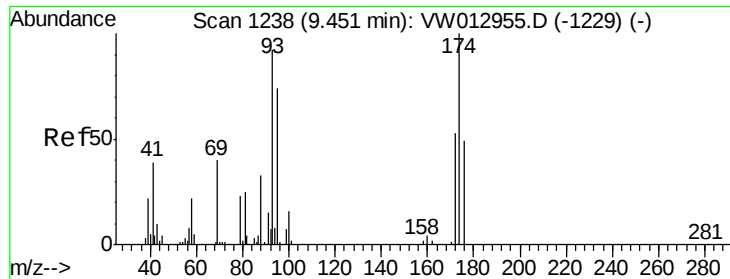


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

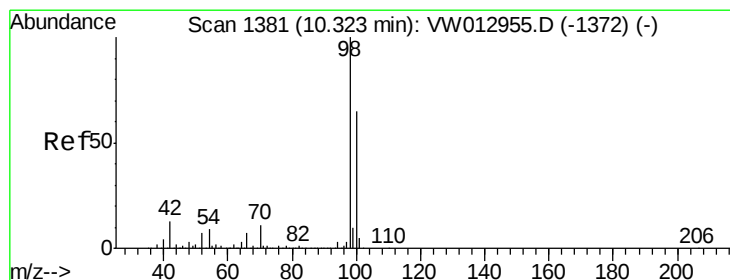
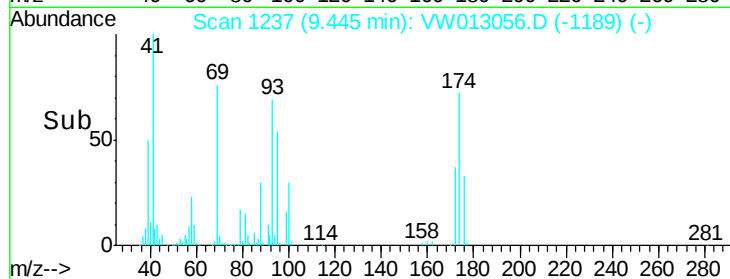
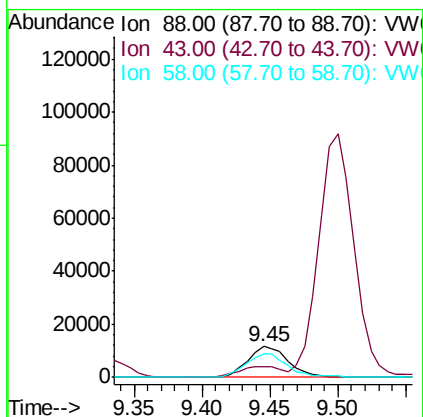
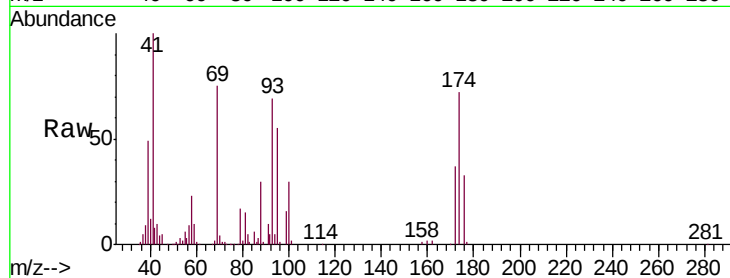




#49
 1,4-Dioxane
 Concen: 989.389 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. -0.01 min
 Lab File: VW013056.D
 Acq: 16 Sep 2019 22:26

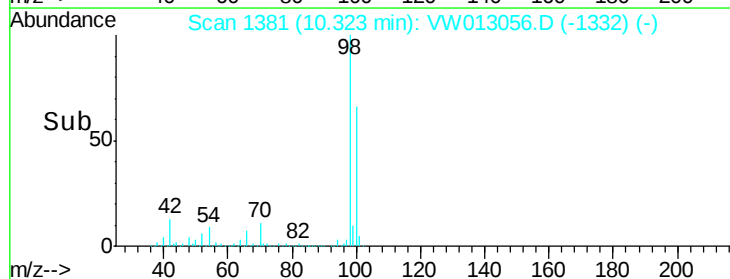
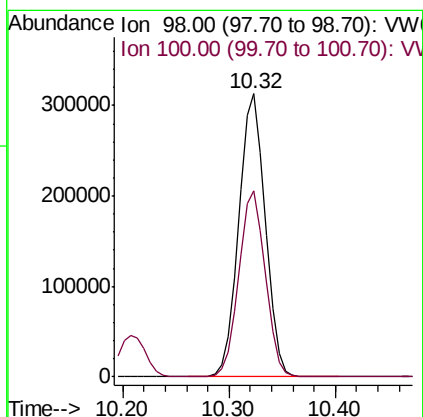
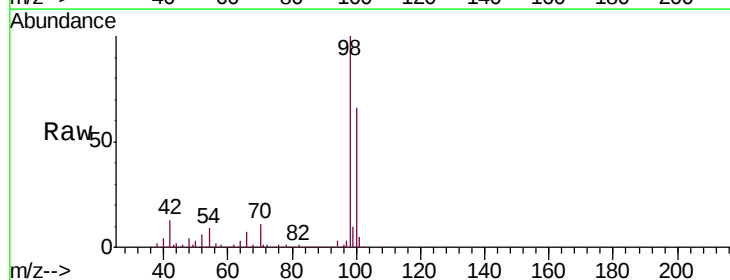
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

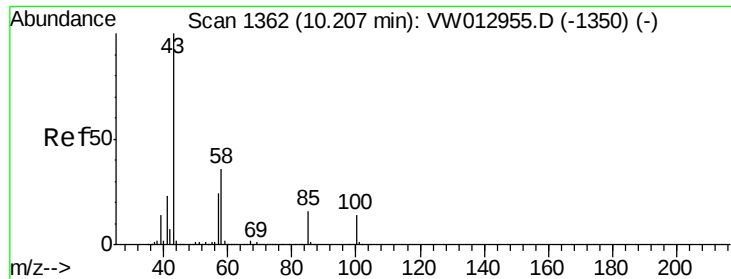
Tgt Ion: 88 Resp: 23957
 Ion Ratio Lower Upper
 88 100
 43 37.4 31.3 46.9
 58 80.9 60.2 90.2



#50
 Toluene-d8
 Concen: 50.631 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW013056.D
 Acq: 16 Sep 2019 22:26

Tgt Ion: 98 Resp: 547096
 Ion Ratio Lower Upper
 98 100
 100 65.8 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 270.939 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Instrument :

MSVOA_W

ClientSampleId :

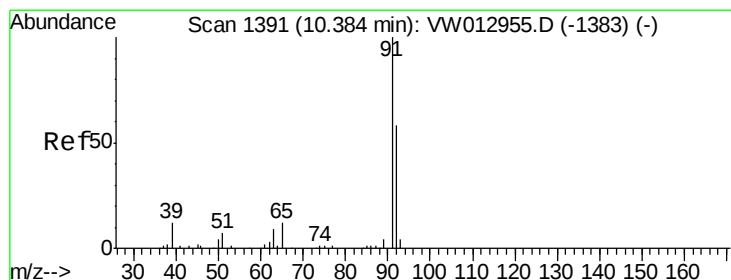
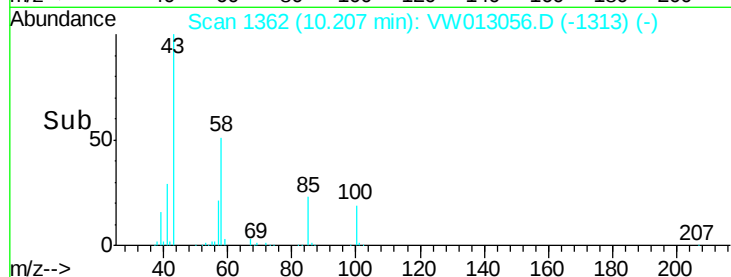
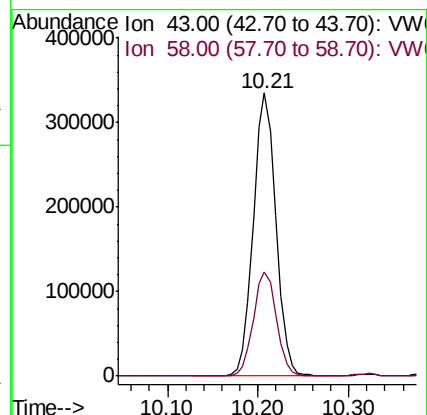
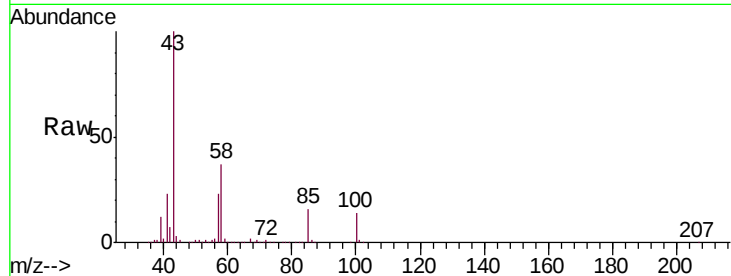
VSTDCCC050

Tgt Ion: 43 Resp: 579720

Ion Ratio Lower Upper

43 100

58 37.7 29.5 44.3



#52

Toluene

Concen: 51.170 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013056.D

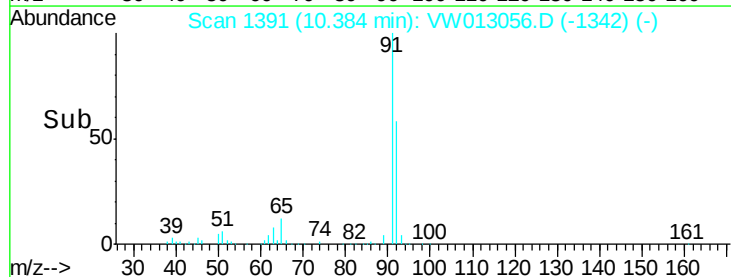
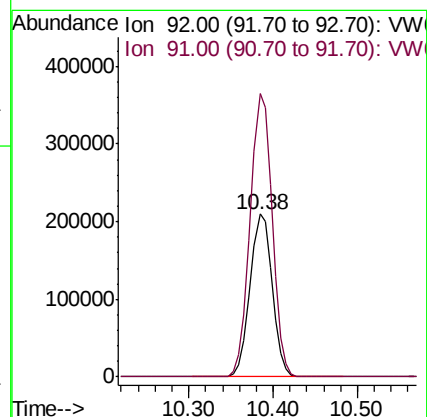
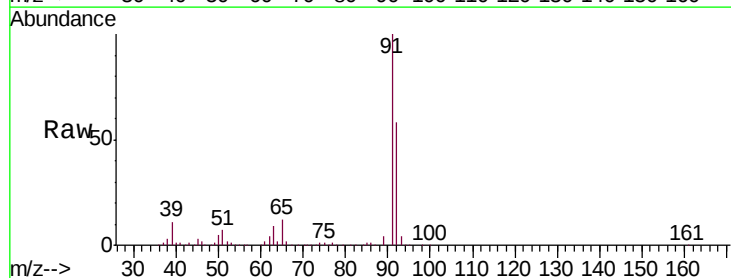
Acq: 16 Sep 2019 22:26

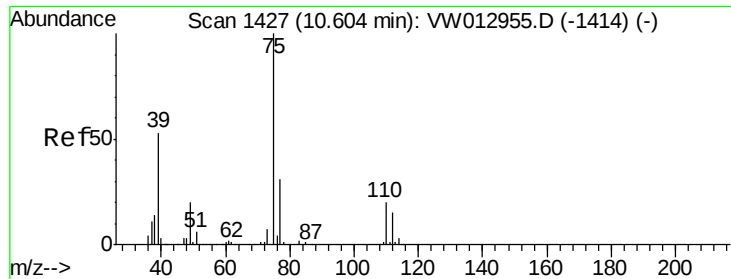
Tgt Ion: 92 Resp: 369137

Ion Ratio Lower Upper

92 100

91 173.2 137.5 206.3

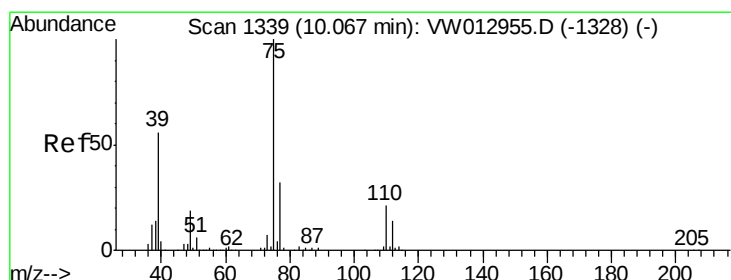
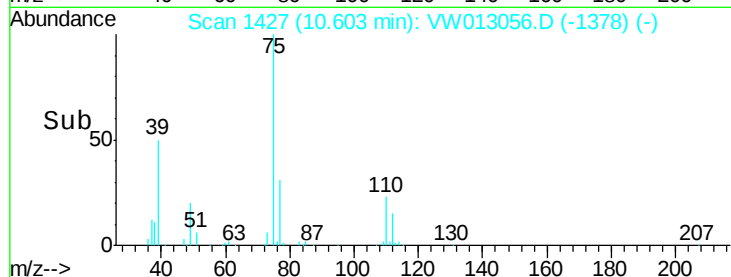
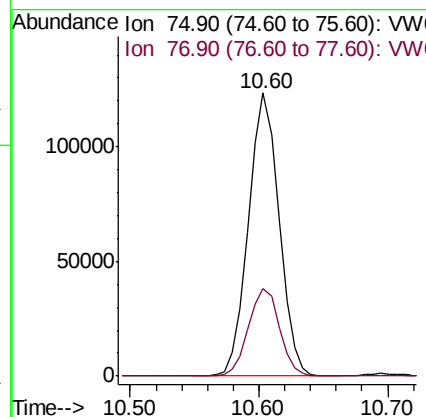
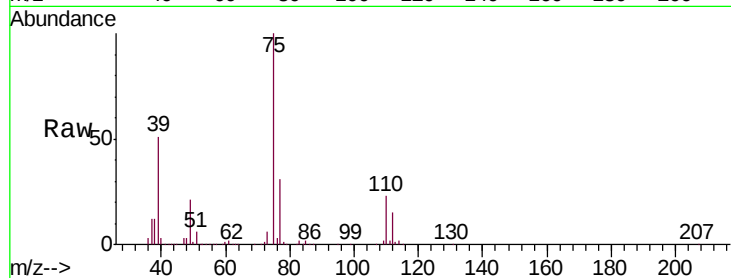




#53
t-1,3-Dichloropropene
Concen: 49.744 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

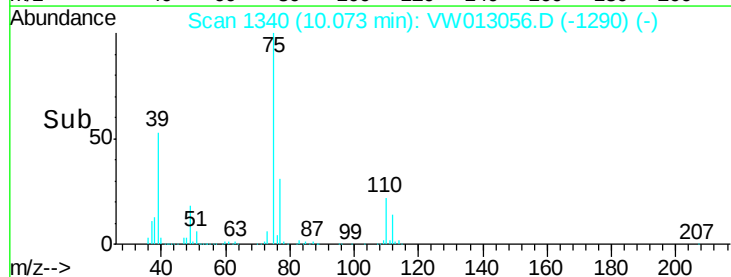
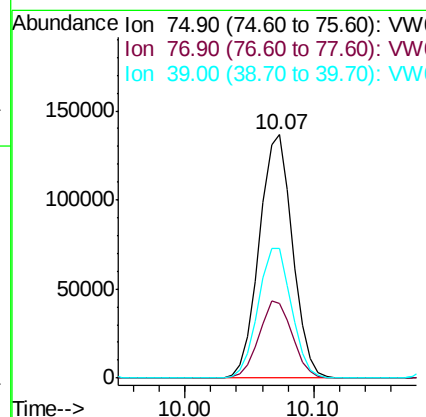
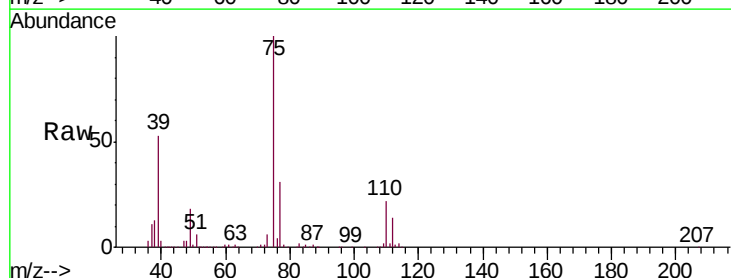
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

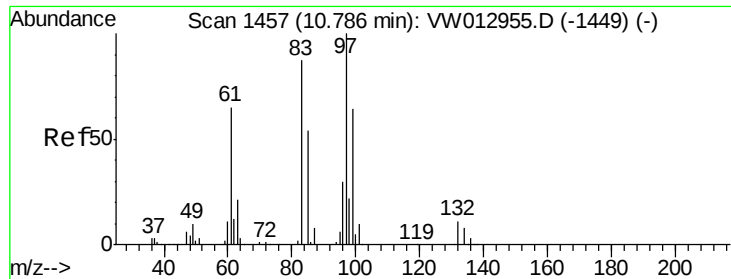
Tgt Ion: 75 Resp: 202785
Ion Ratio Lower Upper
75 100
77 30.9 24.6 37.0



#54
cis-1,3-Dichloropropene
Concen: 52.254 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.01 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Tgt Ion: 75 Resp: 243733
Ion Ratio Lower Upper
75 100
77 30.7 25.5 38.3
39 52.9 45.0 67.6

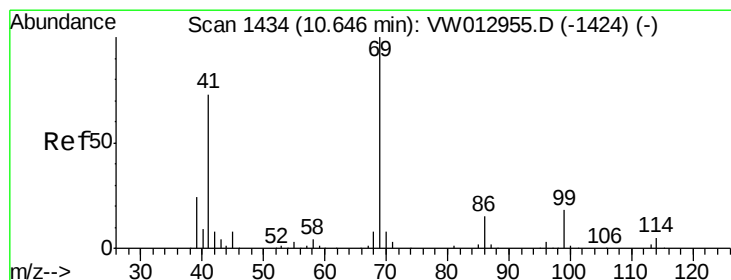
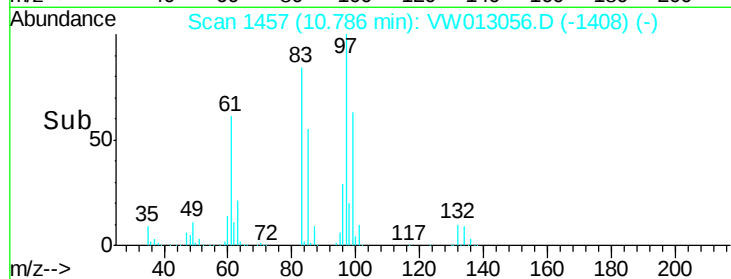
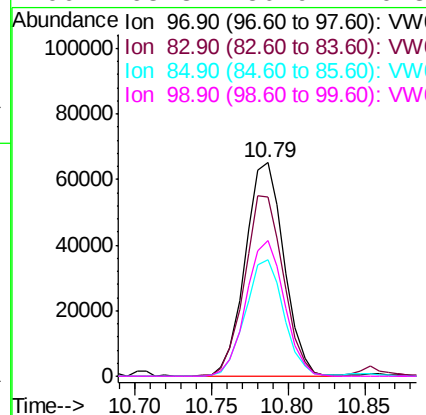
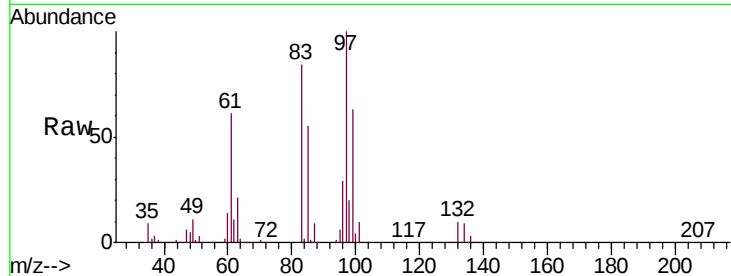




#55
 1,1,2-Trichloroethane
 Concen: 52.094 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013056.D
 Acq: 16 Sep 2019 22:26

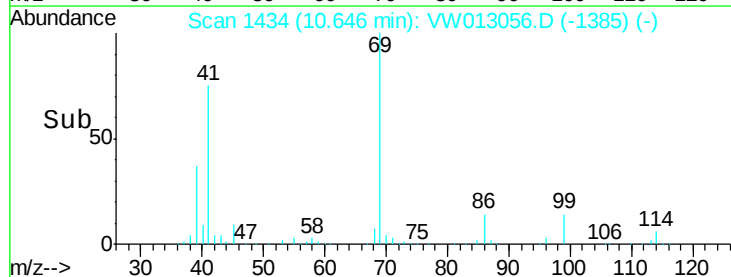
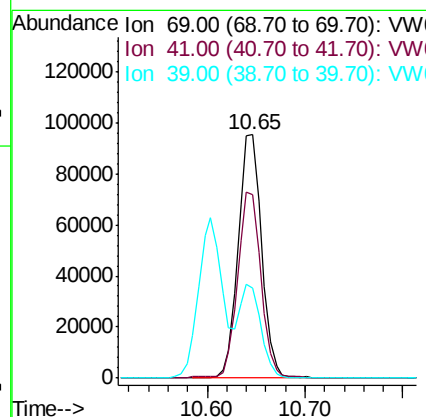
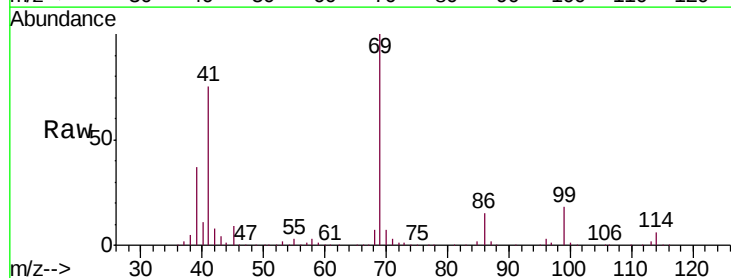
Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050

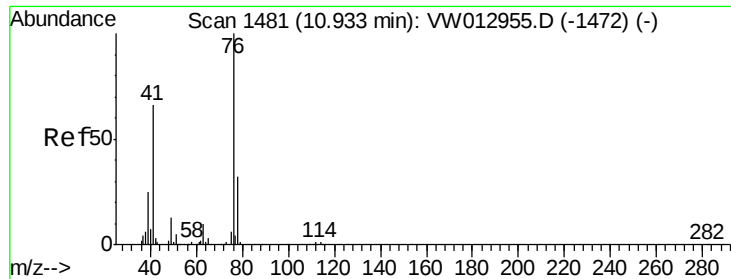
Tgt Ion:	97	Resp:	114681
Ion	Ratio	Lower	Upper
97	100		
83	84.2	69.4	104.0
85	54.6	43.3	64.9
99	63.3	50.9	76.3



#56
 Ethyl methacrylate
 Concen: 53.587 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW013056.D
 Acq: 16 Sep 2019 22:26

Tgt Ion:	69	Resp:	158785
Ion	Ratio	Lower	Upper
69	100		
41	75.2	60.8	91.2
39	33.7	29.4	44.0

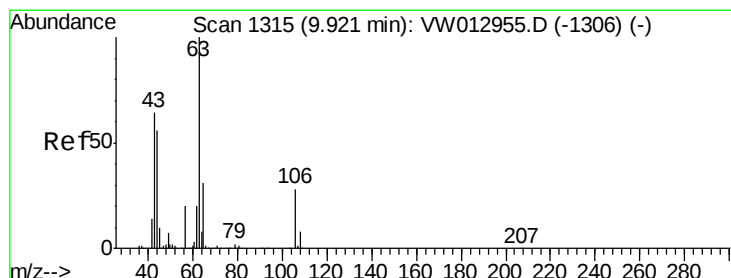
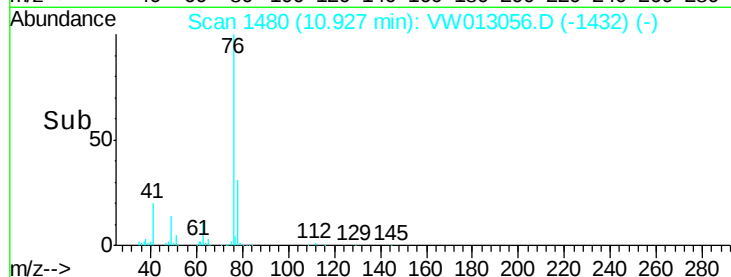
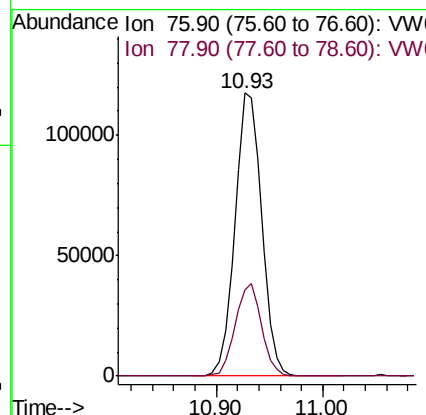
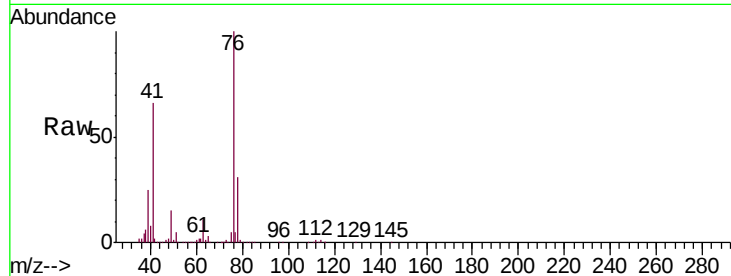




#57
 1,3-Dichloropropane
 Concen: 53.122 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VW013056.D
 Acq: 16 Sep 2019 22:26

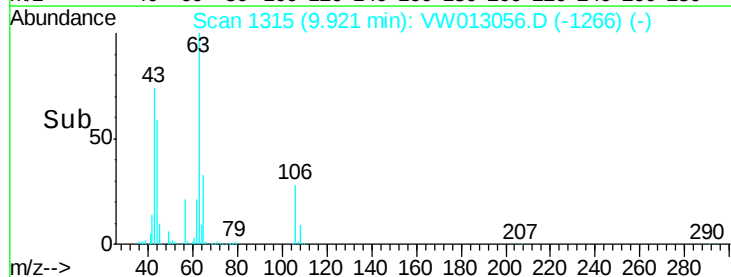
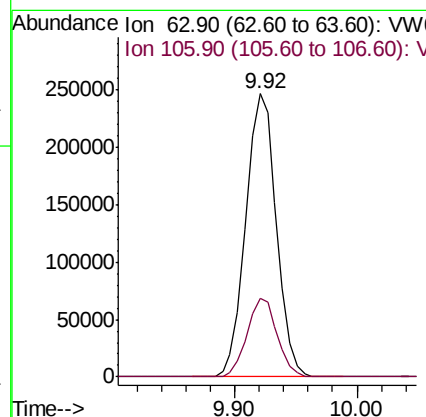
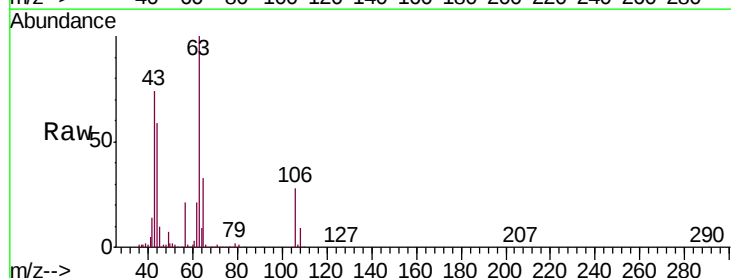
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

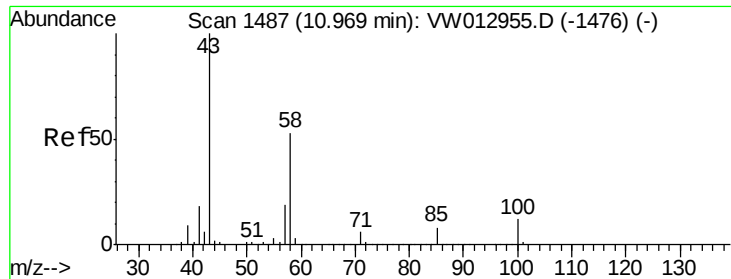
Tgt Ion: 76 Resp: 207446
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 269.729 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013056.D
 Acq: 16 Sep 2019 22:26

Tgt Ion: 63 Resp: 428741
 Ion Ratio Lower Upper
 63 100
 106 27.3 22.2 33.2

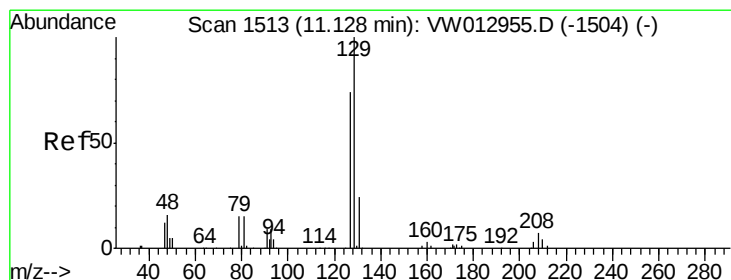
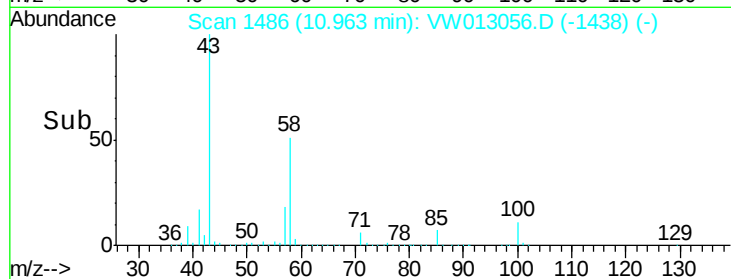
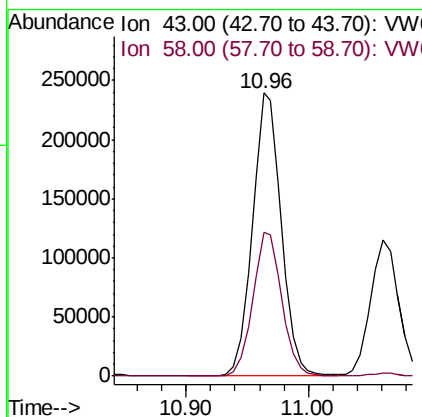
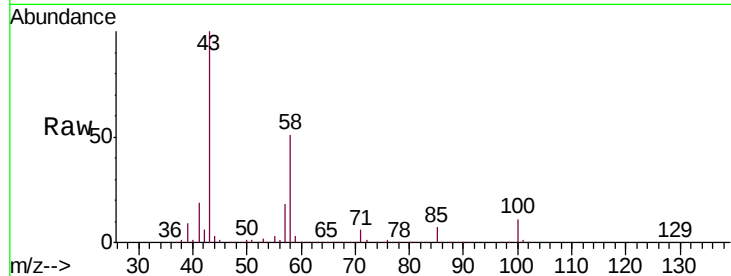




#59
2-Hexanone
Concen: 263.093 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

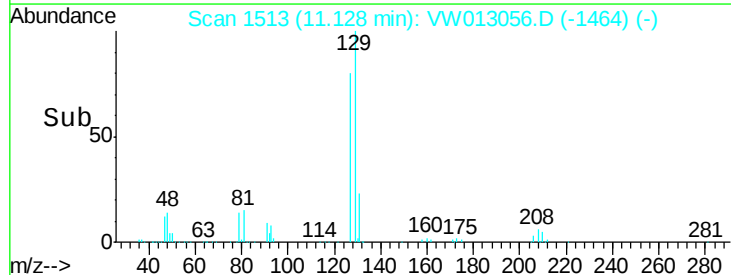
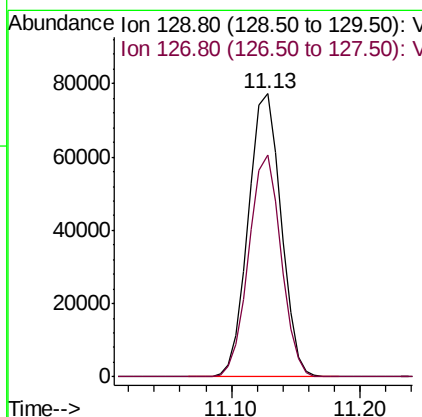
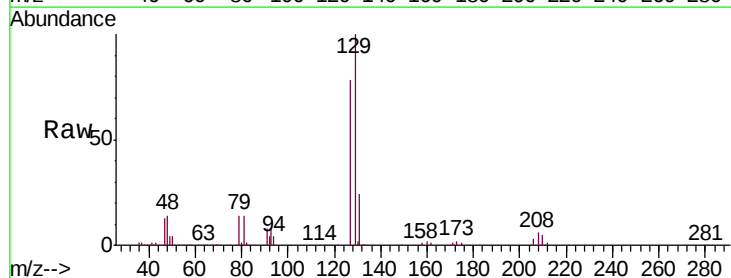
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

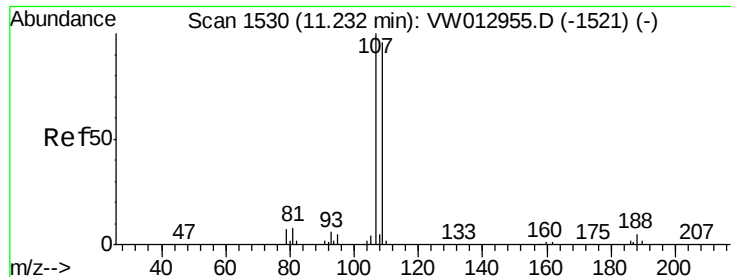
Tgt Ion: 43 Resp: 391975
Ion Ratio Lower Upper
43 100
58 51.4 25.8 77.3



#60
Dibromochloromethane
Concen: 51.230 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Tgt Ion: 129 Resp: 136349
Ion Ratio Lower Upper
129 100
127 77.0 37.4 112.2

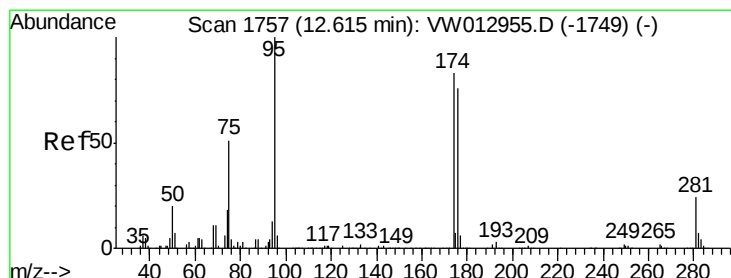
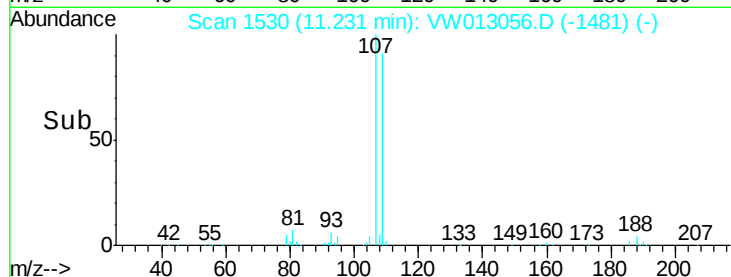
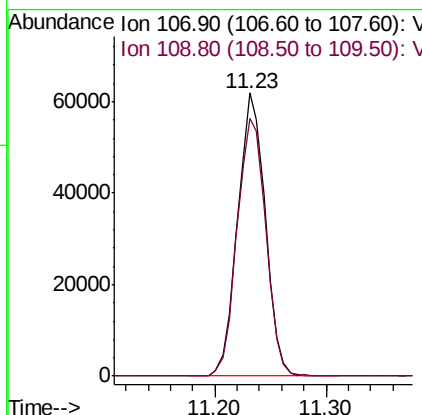
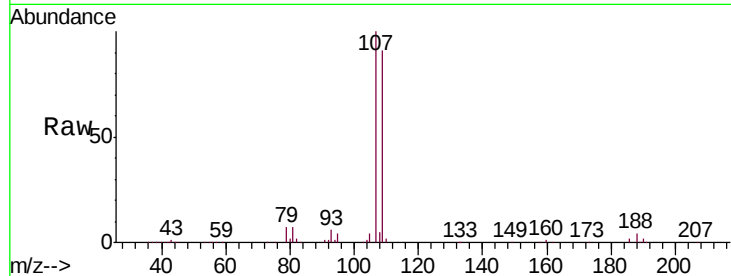




#61
 1,2-Dibromoethane
 Concen: 52.752 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013056.D
 Acq: 16 Sep 2019 22:26

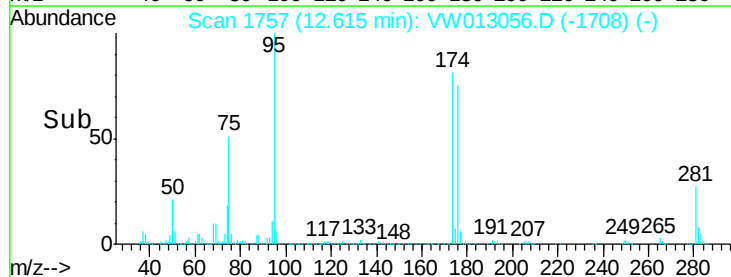
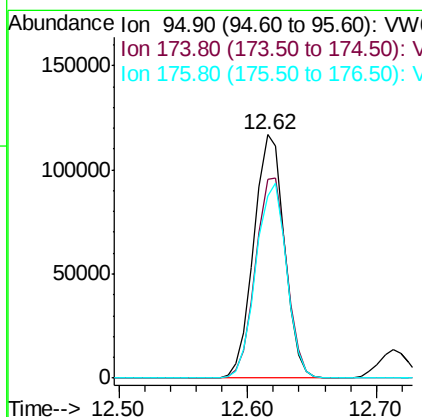
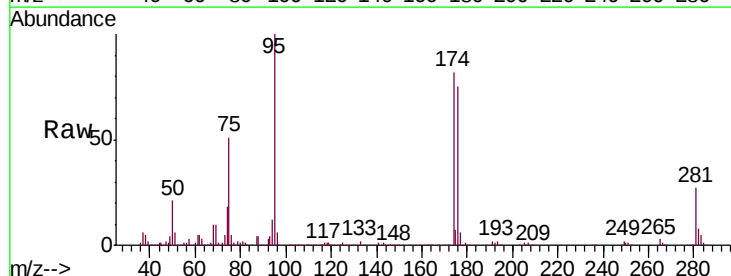
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

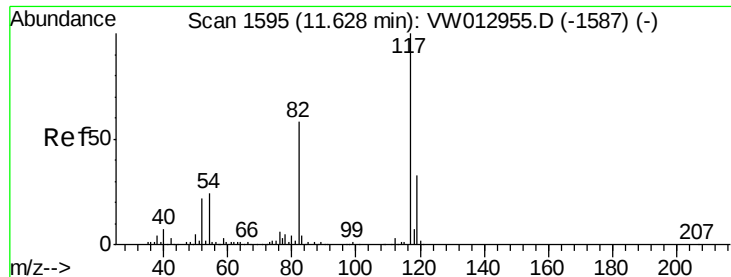
Tgt Ion: 107 Resp: 105937
 Ion Ratio Lower Upper
 107 100
 109 95.1 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 49.287 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013056.D
 Acq: 16 Sep 2019 22:26

Tgt Ion: 95 Resp: 191505
 Ion Ratio Lower Upper
 95 100
 174 83.7 0.0 170.4
 176 80.3 0.0 164.6

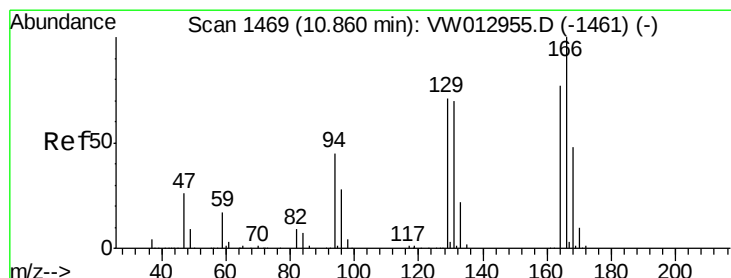
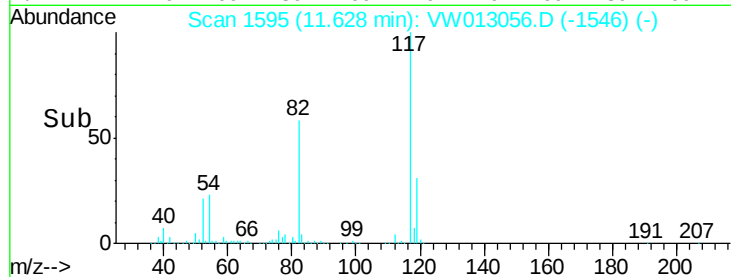
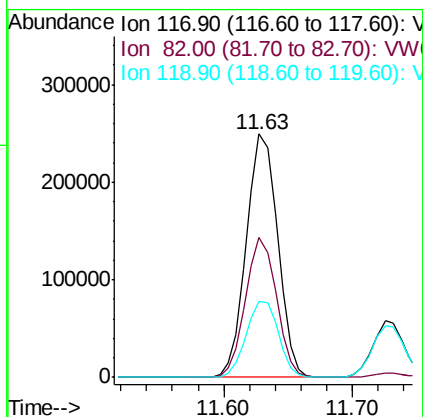
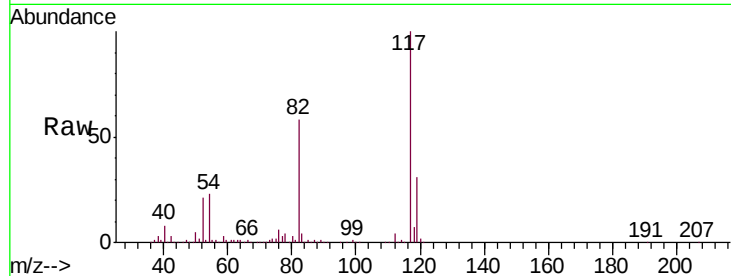




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

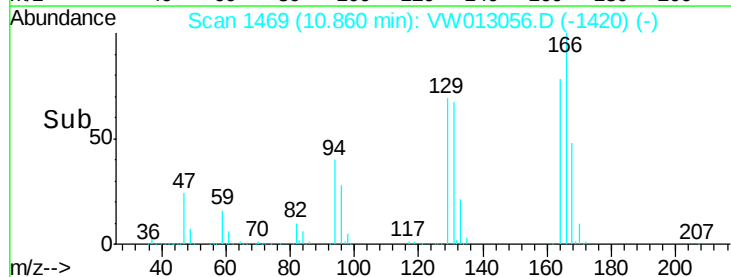
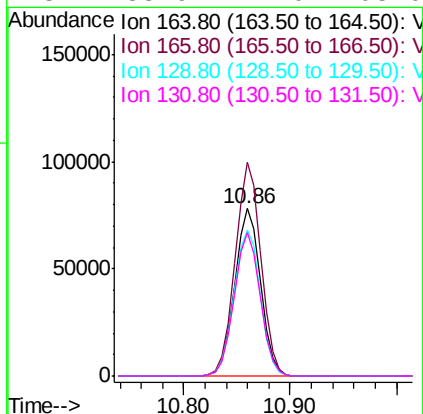
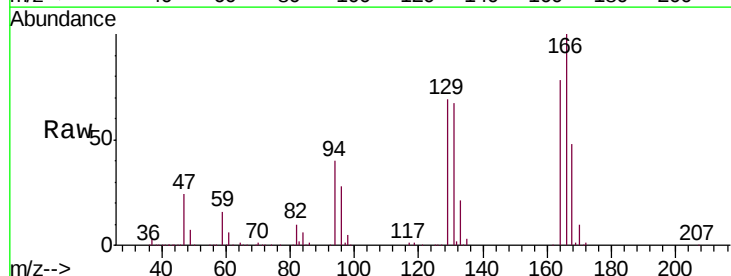
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

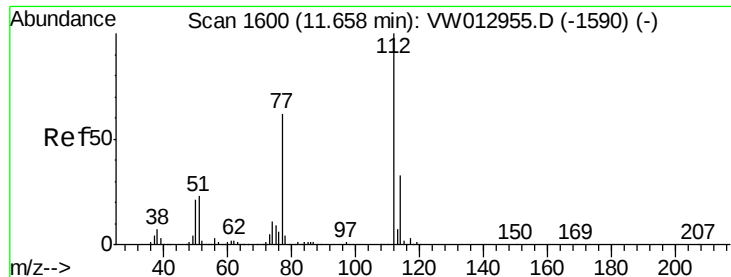
Tgt Ion:117 Resp: 421057
Ion Ratio Lower Upper
117 100
82 57.6 46.3 69.5
119 31.4 26.2 39.4



#64
Tetrachloroethene
Concen: 53.032 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Tgt Ion:164 Resp: 132839
Ion Ratio Lower Upper
164 100
166 127.8 103.3 154.9
129 87.5 73.8 110.8
131 85.9 72.0 108.0

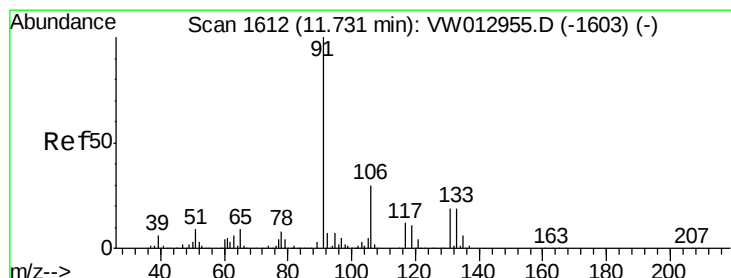
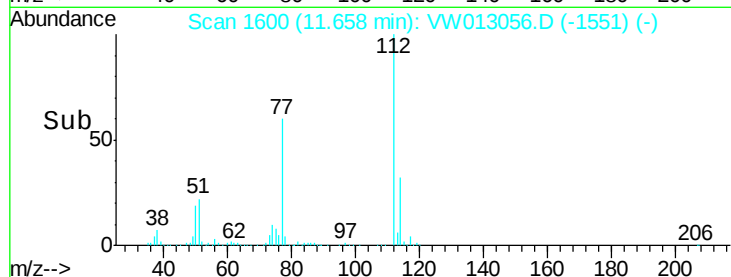
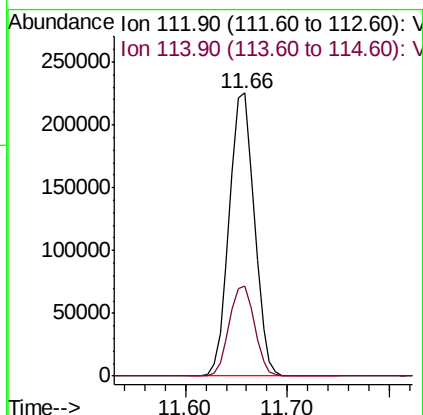
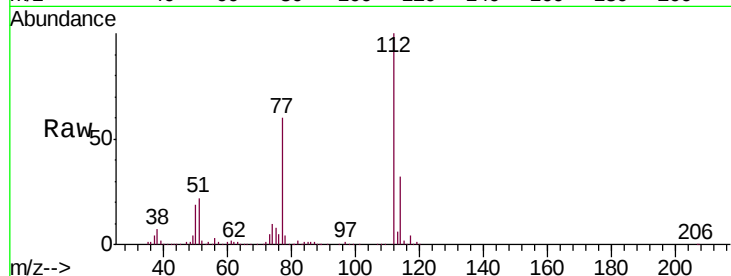




#65
Chlorobenzene
Concen: 51.148 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

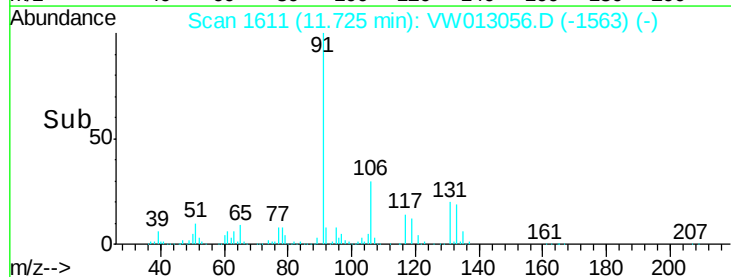
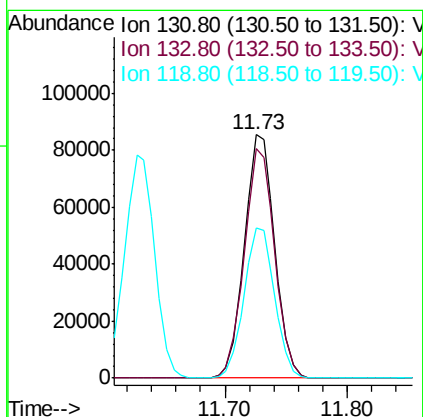
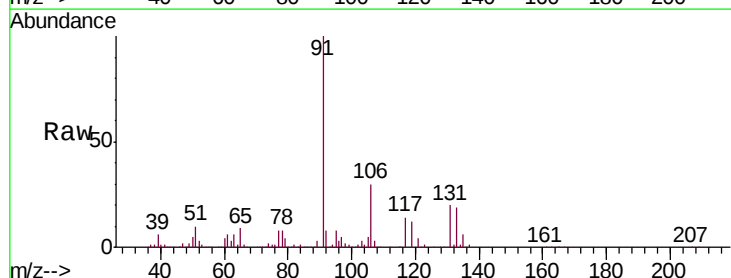
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

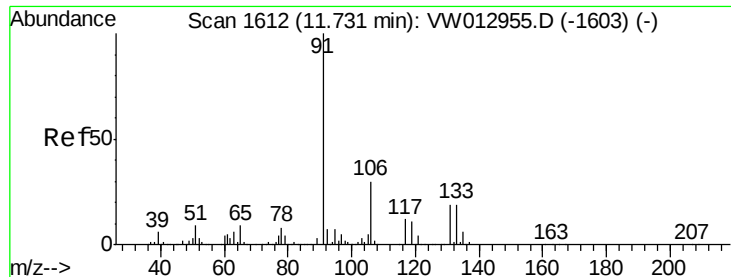
Tgt Ion:112 Resp: 383607
Ion Ratio Lower Upper
112 100
114 31.9 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 51.017 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Tgt Ion:131 Resp: 146629
Ion Ratio Lower Upper
131 100
133 94.5 47.9 143.8
119 62.5 30.9 92.7

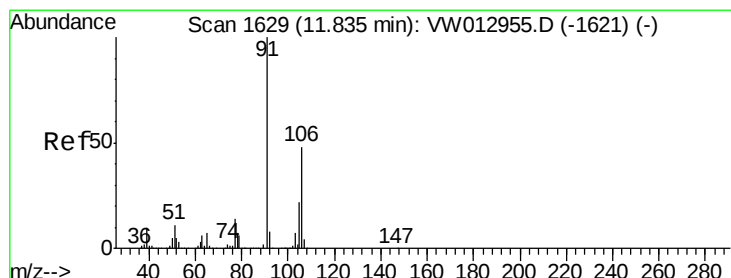
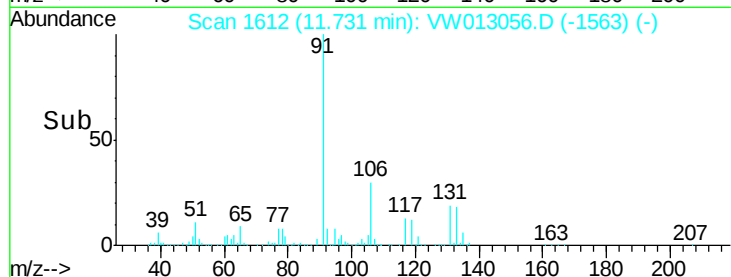
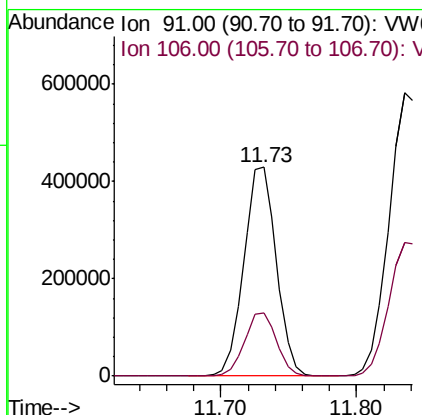
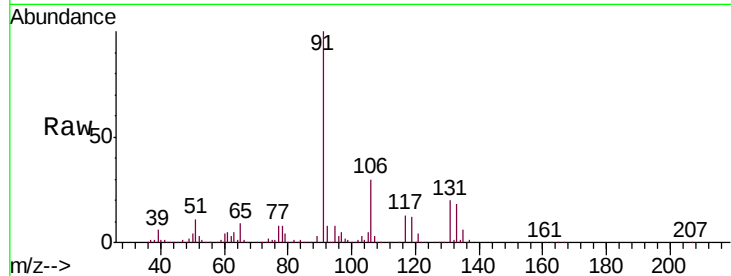




#67
Ethyl Benzene
Concen: 51.850 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

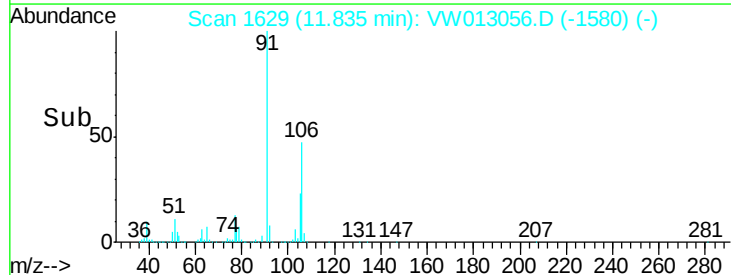
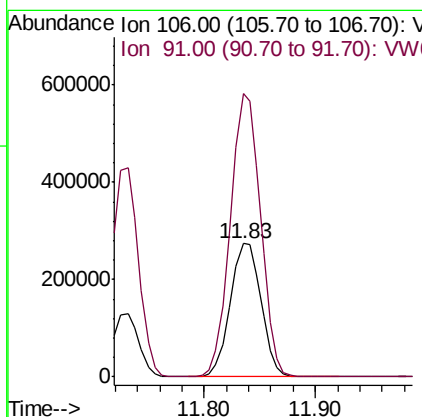
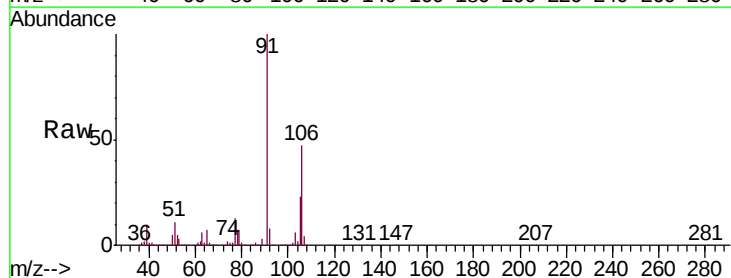
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

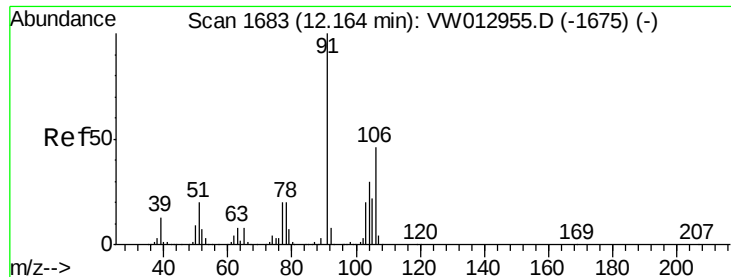
Tgt Ion: 91 Resp: 718207
Ion Ratio Lower Upper
91 100
106 30.1 24.3 36.5



#68
m/p-Xylenes
Concen: 103.947 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Tgt Ion: 106 Resp: 525991
Ion Ratio Lower Upper
106 100
91 207.9 165.8 248.8

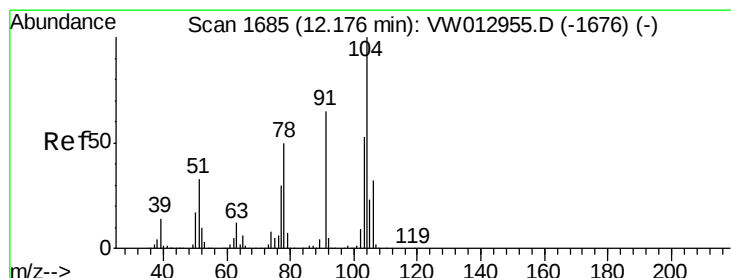
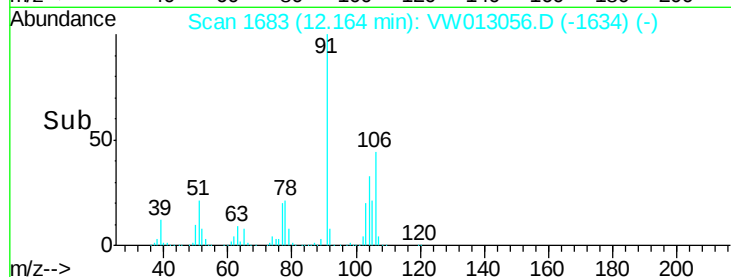
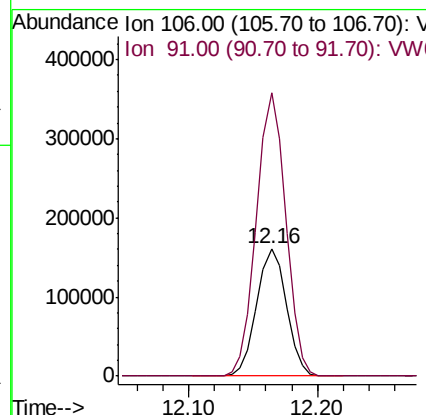
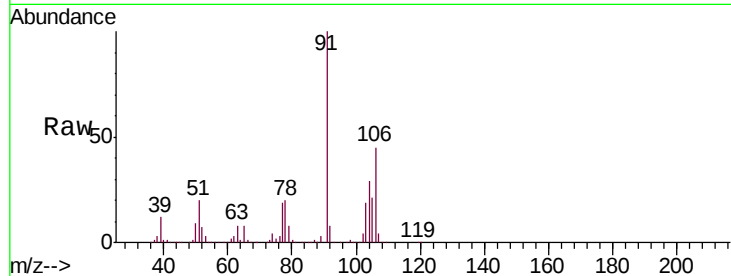




#69
o-Xylene
Concen: 54.334 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

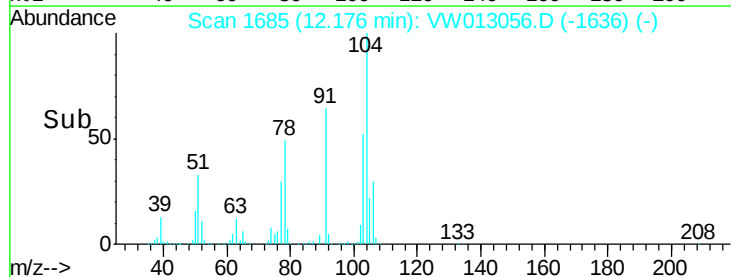
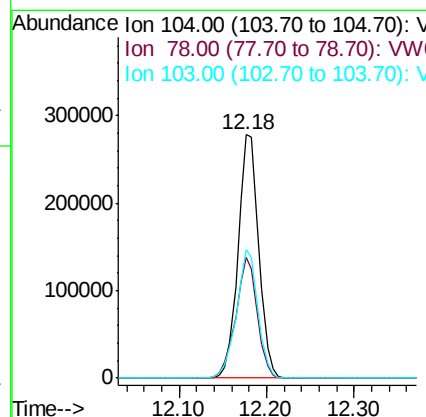
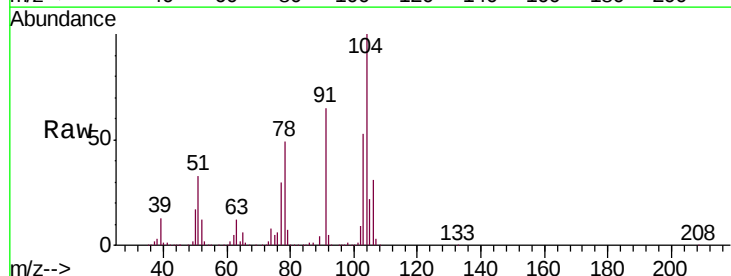
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

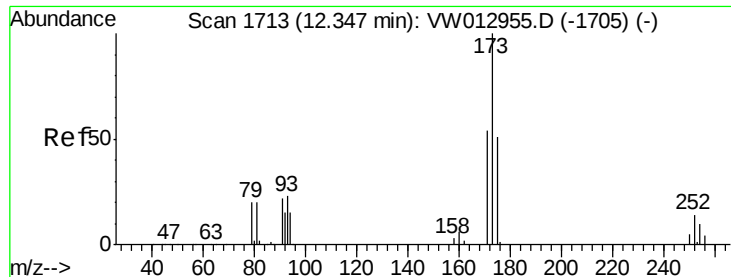
Tgt Ion:106 Resp: 257760
Ion Ratio Lower Upper
106 100
91 219.1 109.7 329.0



#70
Styrene
Concen: 54.630 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Tgt Ion:104 Resp: 461028
Ion Ratio Lower Upper
104 100
78 51.3 42.1 63.1
103 54.3 44.2 66.4





#71

Bromoform

Concen: 54.276 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

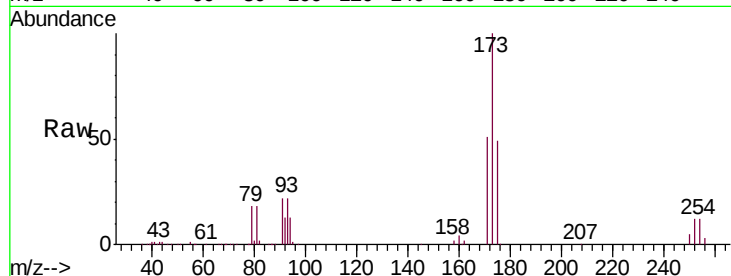
Tgt Ion:173 Resp: 81940

Ion Ratio Lower Upper

173 100

175 47.9 24.2 72.6

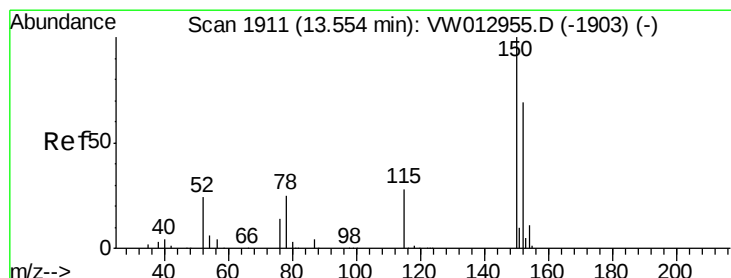
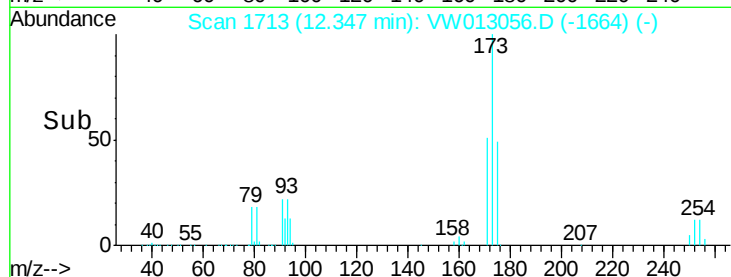
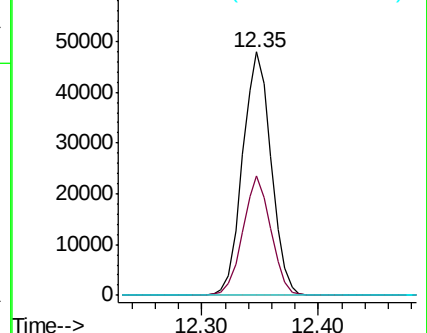
254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

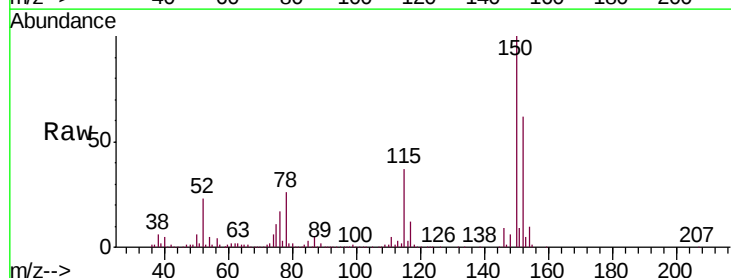
Tgt Ion:152 Resp: 211222

Ion Ratio Lower Upper

152 100

115 58.3 28.8 86.4

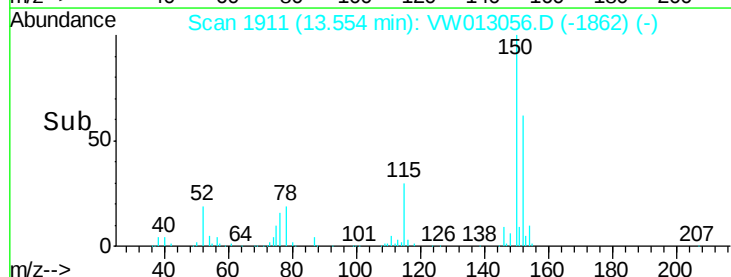
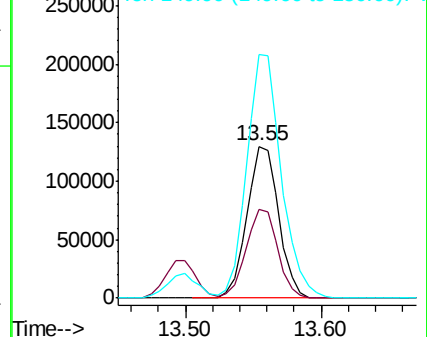
150 174.4 0.0 340.2

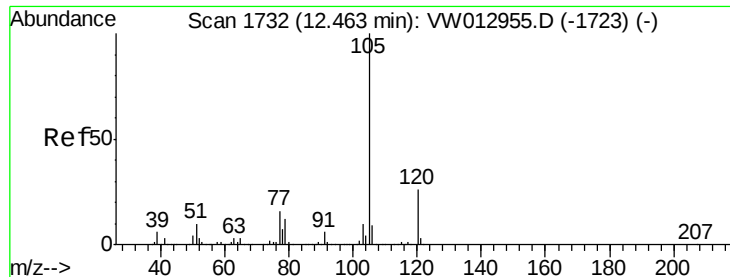


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.005 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Instrument :

MSVOA_W

ClientSampleId :

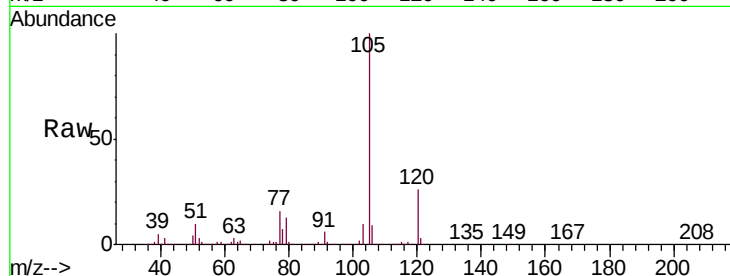
VSTDCCC050

Tgt Ion: 105 Resp: 742095

Ion Ratio Lower Upper

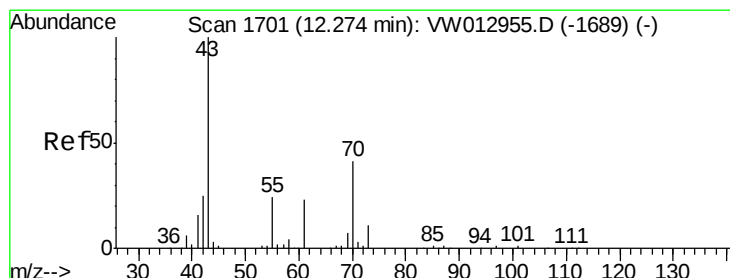
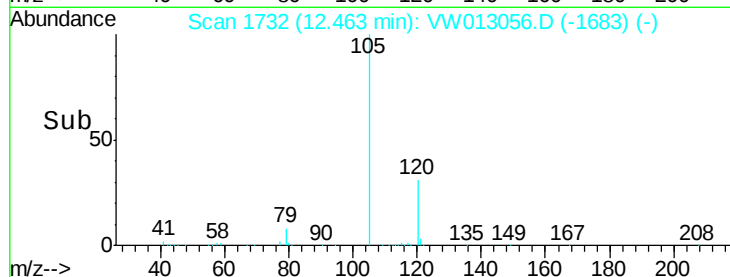
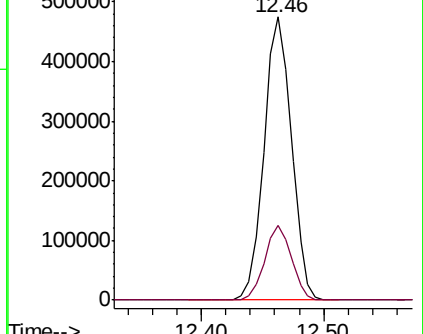
105 100

120 25.8 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: 56.641 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Tgt Ion: 43 Resp: 203989

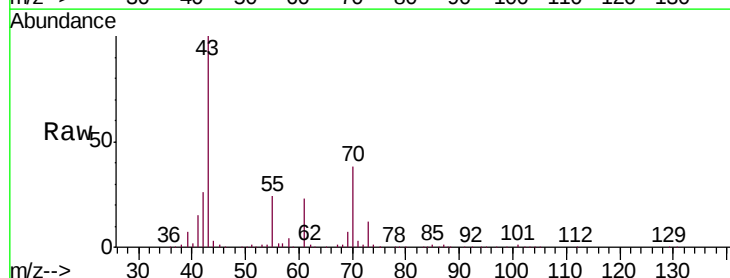
Ion Ratio Lower Upper

43 100

70 38.7 31.7 47.5

55 22.6 19.4 29.2

61 22.9 18.7 28.1

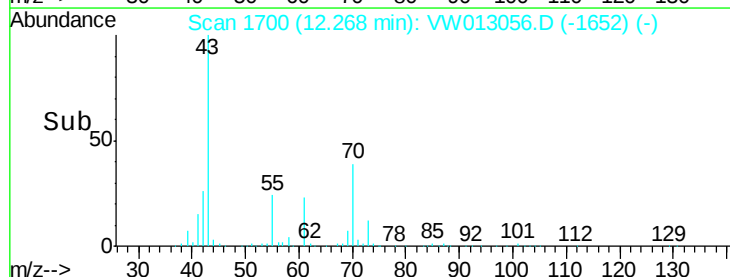
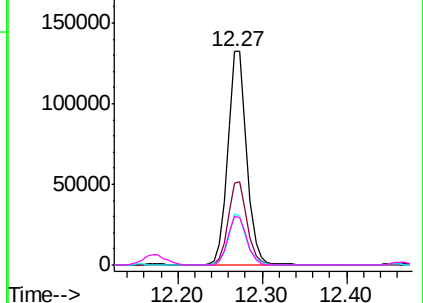


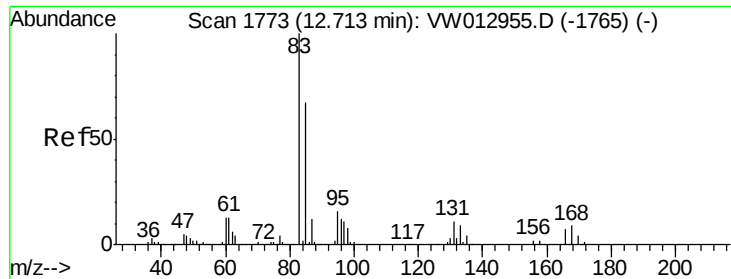
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 54.305 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

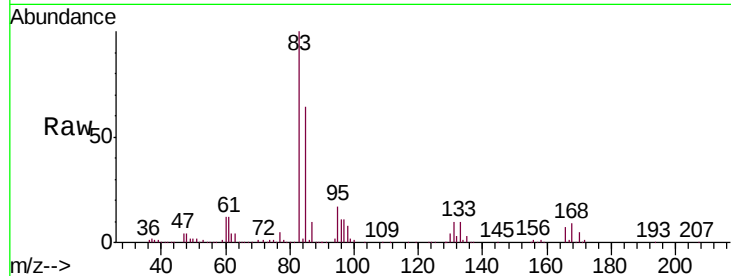
Tgt Ion: 83 Resp: 133535

Ion Ratio Lower Upper

83 100

131 11.2 5.7 17.1

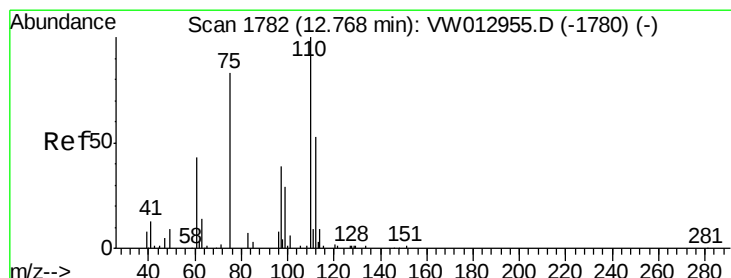
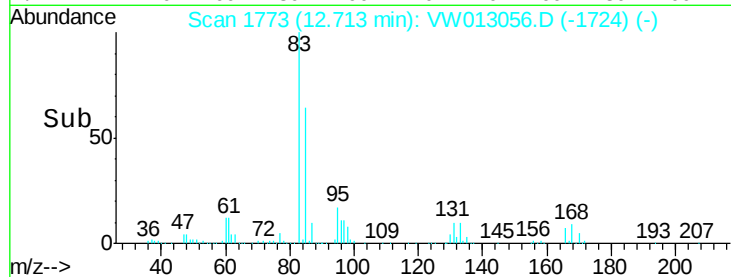
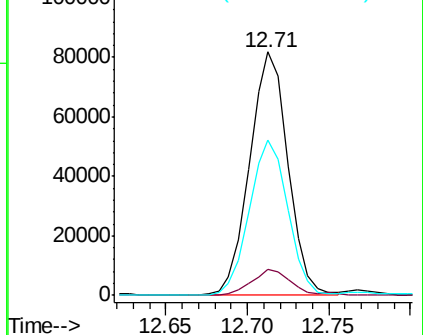
85 64.2 31.4 94.3



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 94.844 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013056.D

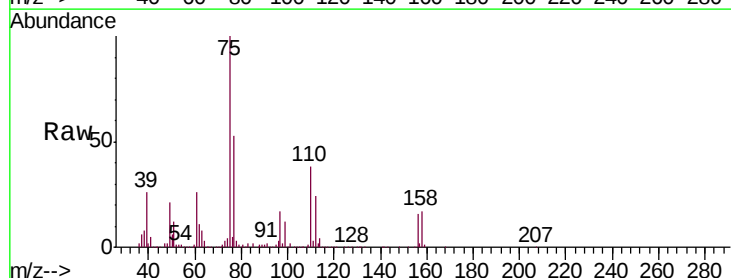
Acq: 16 Sep 2019 22:26

Tgt Ion: 75 Resp: 175474

Ion Ratio Lower Upper

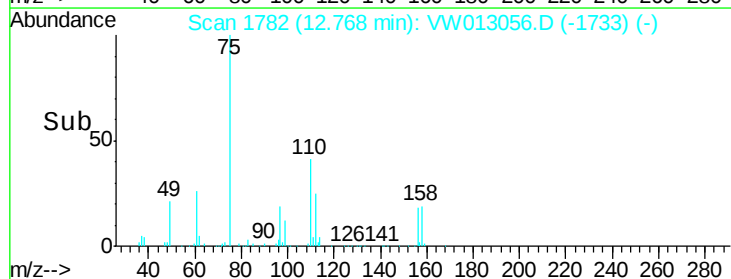
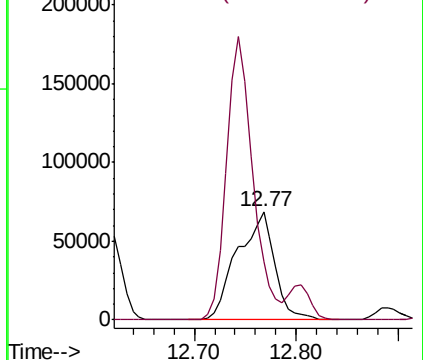
75 100

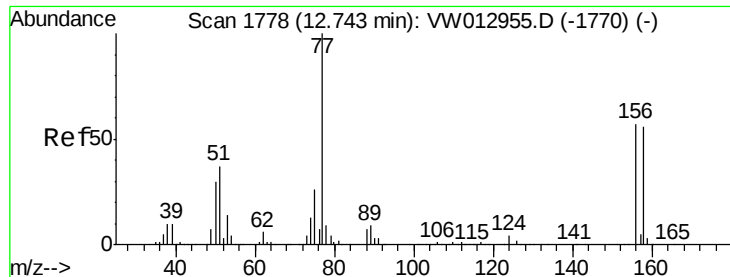
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 52.609 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

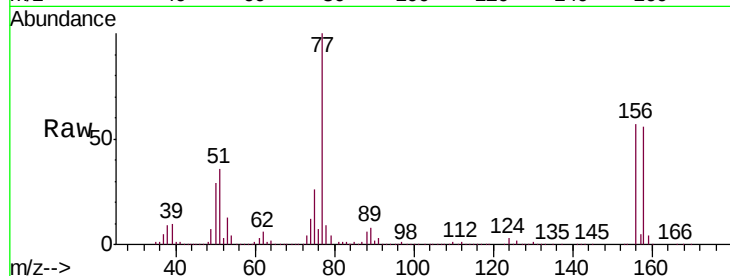
Tgt Ion:156 Resp: 169681

Ion Ratio Lower Upper

156 100

77 191.0 95.2 285.6

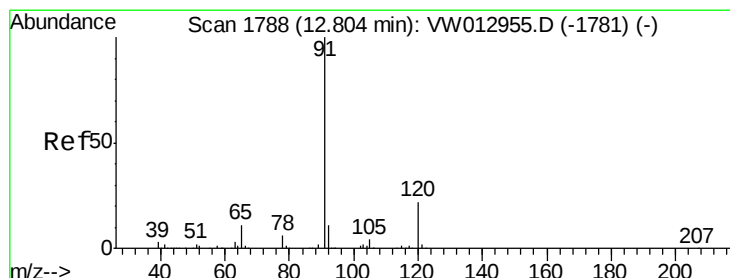
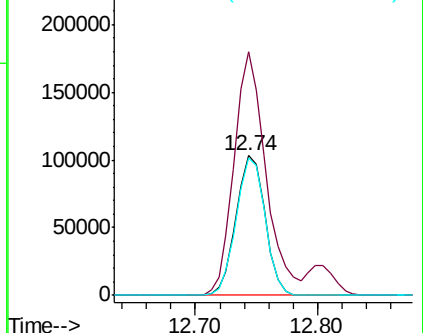
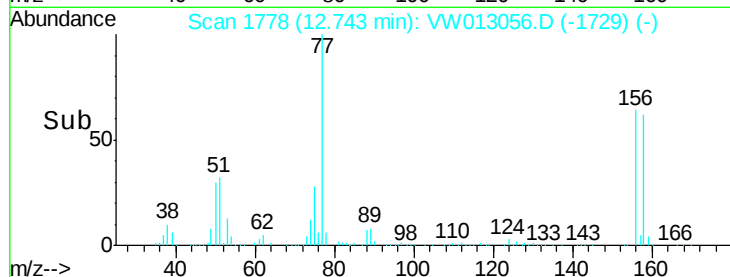
158 98.2 49.0 147.2



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: 52.578 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013056.D

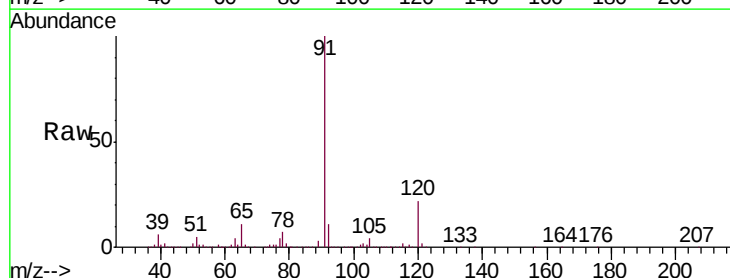
Acq: 16 Sep 2019 22:26

Tgt Ion: 91 Resp: 865894

Ion Ratio Lower Upper

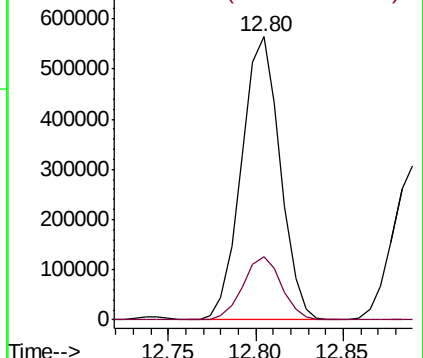
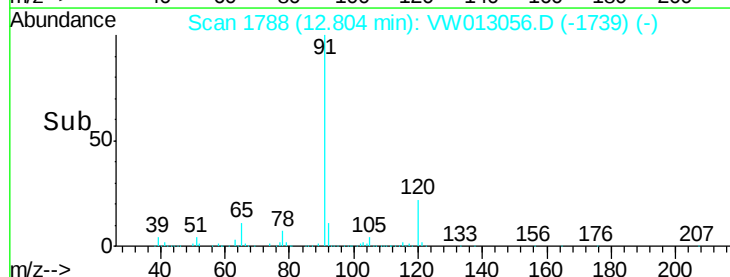
91 100

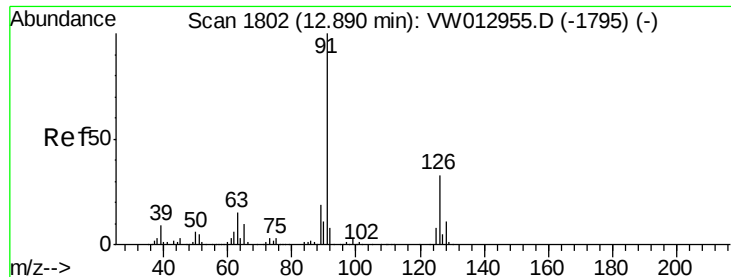
120 22.3 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.516 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Instrument :

MSVOA_W

ClientSampleId :

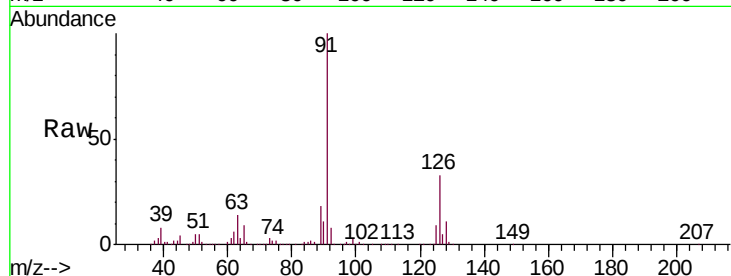
VSTDCCC050

Tgt Ion: 91 Resp: 497180

Ion Ratio Lower Upper

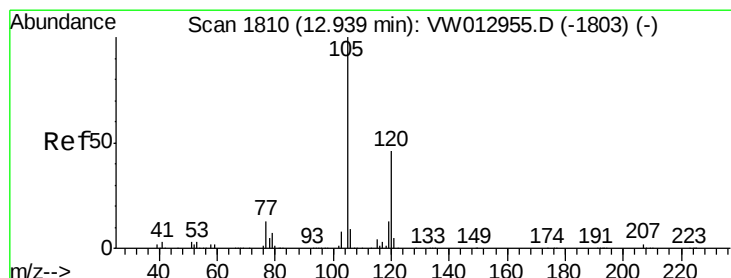
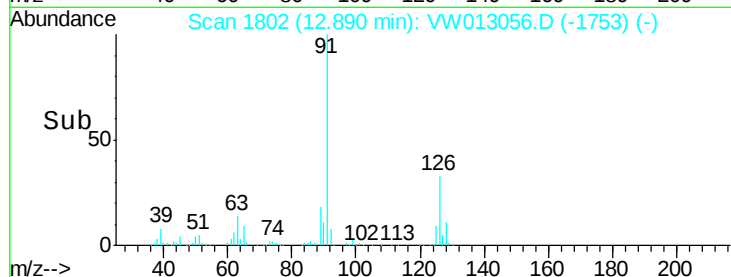
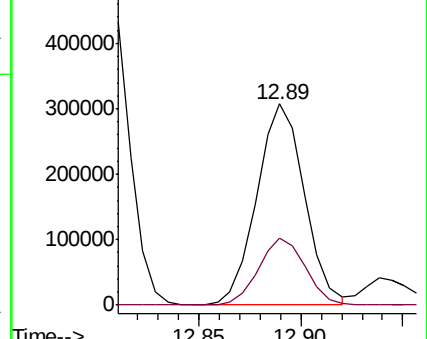
91 100

126 32.8 16.5 49.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 51.986 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW013056.D

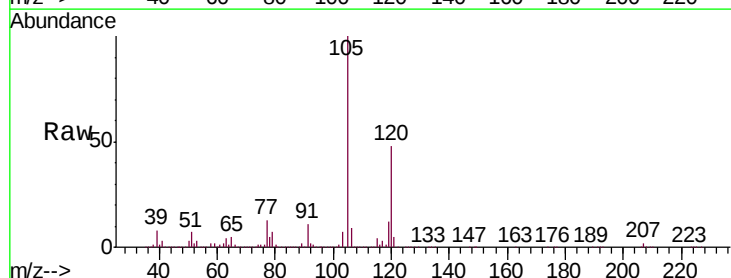
Acq: 16 Sep 2019 22:26

Tgt Ion: 105 Resp: 615740

Ion Ratio Lower Upper

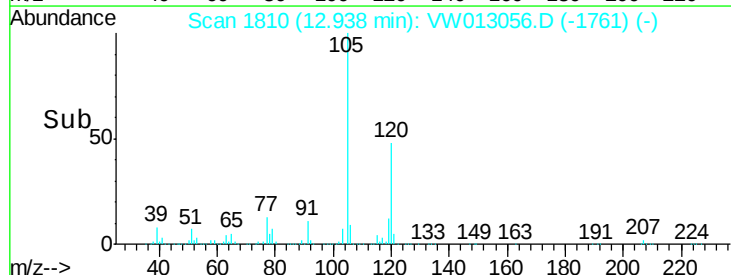
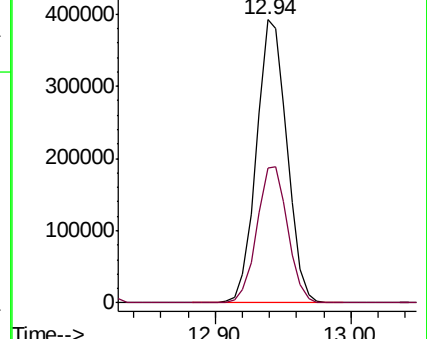
105 100

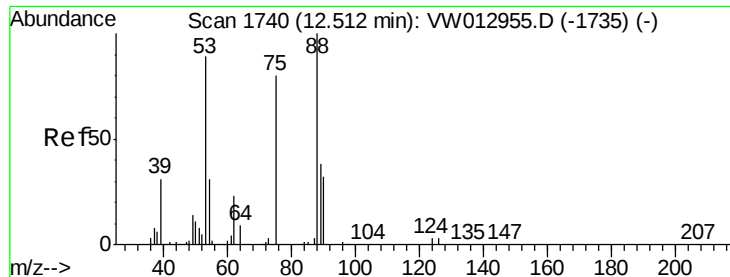
120 48.6 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 54.865 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

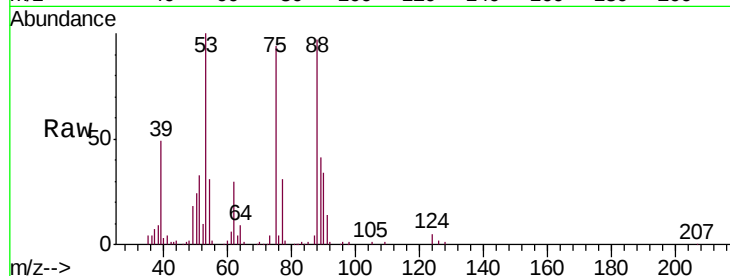
Tgt Ion: 75 Resp: 44747

Ion Ratio Lower Upper

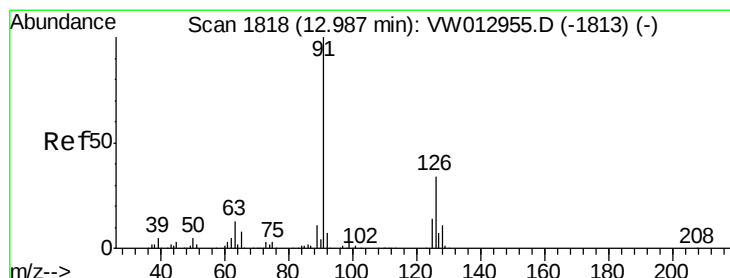
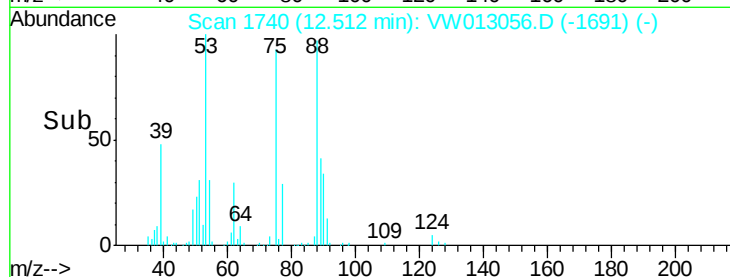
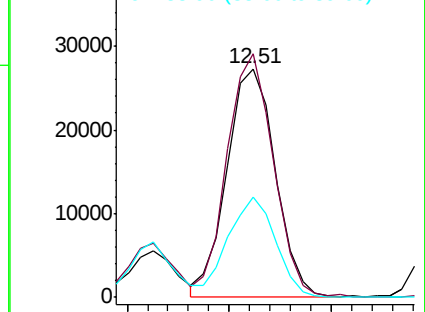
75 100

53 103.2 85.6 128.4

89 44.0 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 51.716 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW013056.D

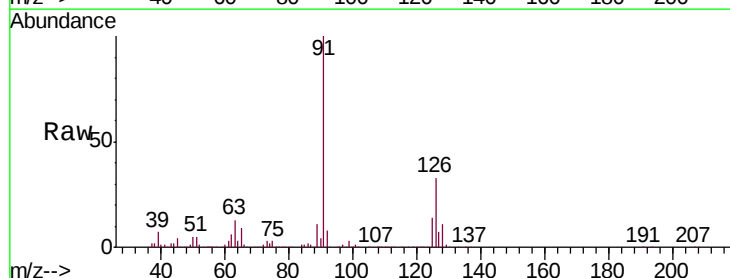
Acq: 16 Sep 2019 22:26

Tgt Ion: 91 Resp: 516586

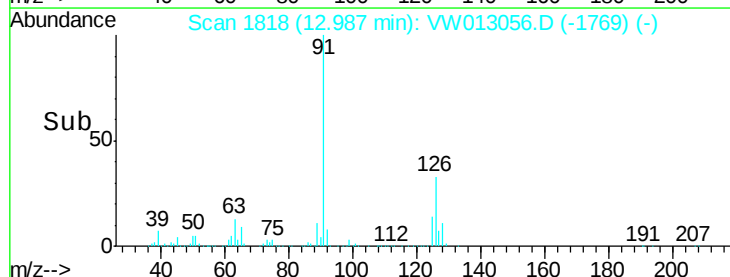
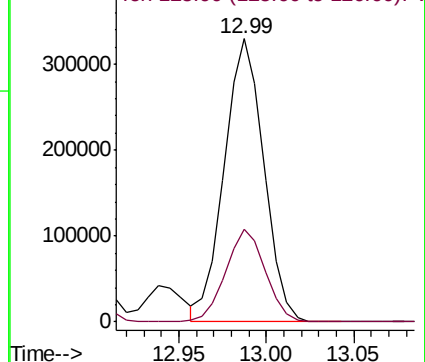
Ion Ratio Lower Upper

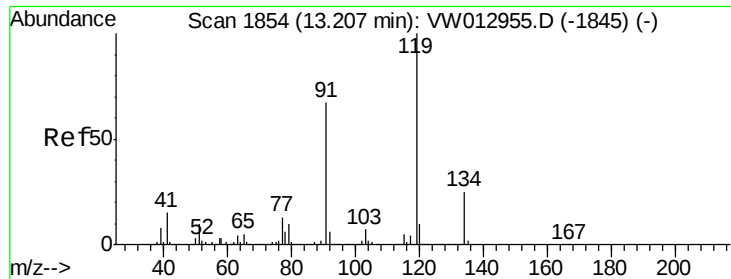
91 100

126 32.8 16.1 48.3



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 125.90 (125.60 to 126.60): V

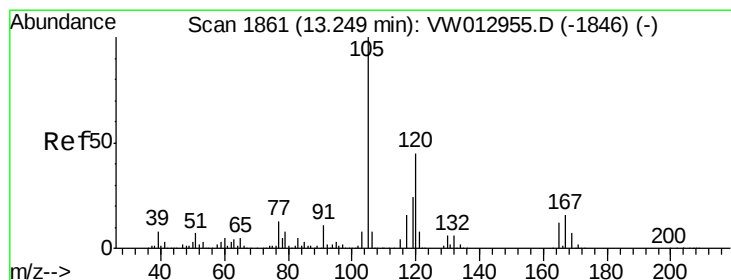
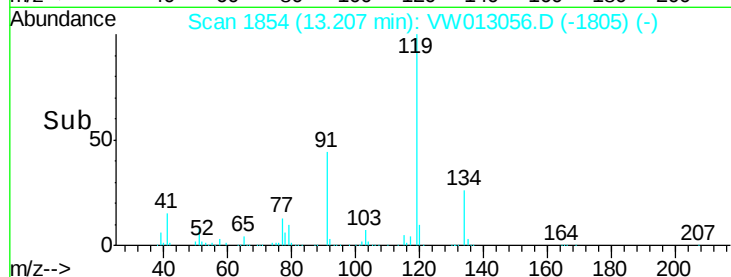
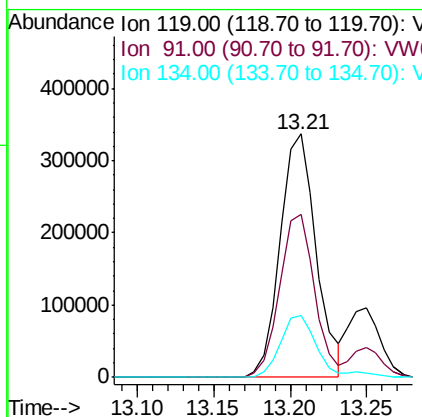
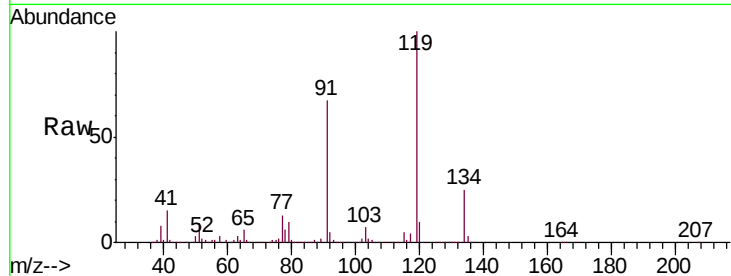




#83
 tert-Butylbenzene
 Concen: 52.036 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013056.D
 Acq: 16 Sep 2019 22:26

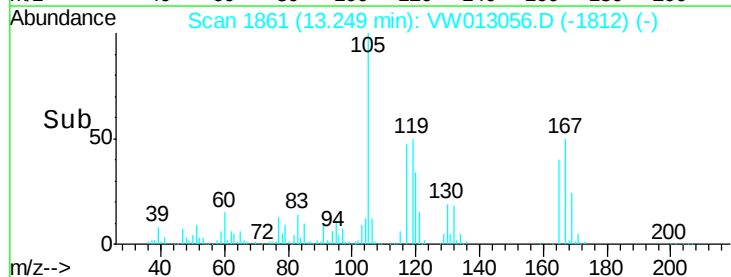
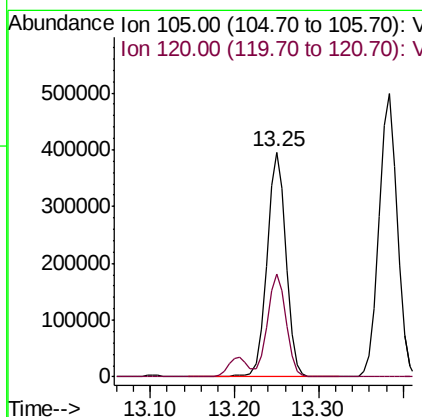
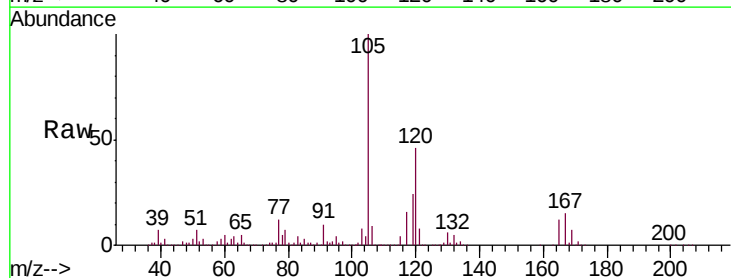
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

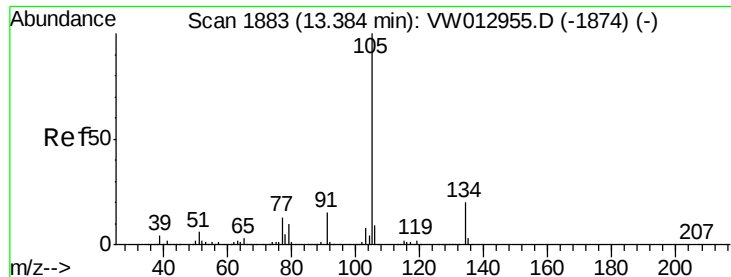
Tgt Ion:119 Resp: 551290
 Ion Ratio Lower Upper
 119 100
 91 65.0 32.6 98.0
 134 25.2 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 52.362 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013056.D
 Acq: 16 Sep 2019 22:26

Tgt Ion:105 Resp: 612855
 Ion Ratio Lower Upper
 105 100
 120 44.8 21.9 65.7





#85

sec-Butylbenzene

Concen: 52.085 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Instrument :

MSVOA_W

ClientSampleId :

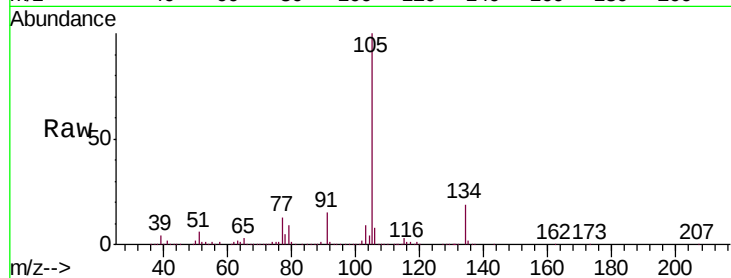
VSTDCCC050

Tgt Ion:105 Resp: 751804

Ion Ratio Lower Upper

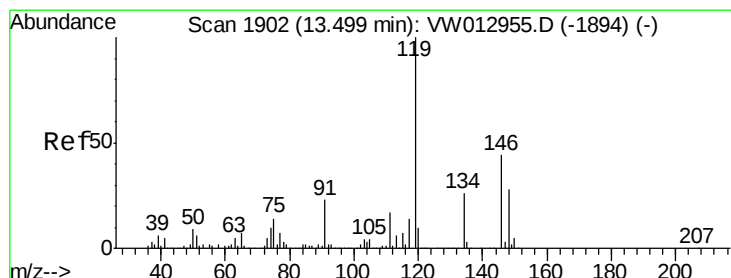
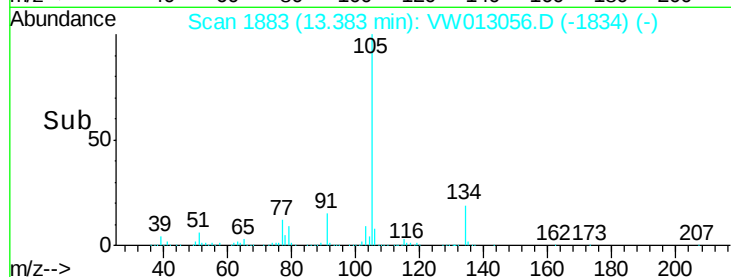
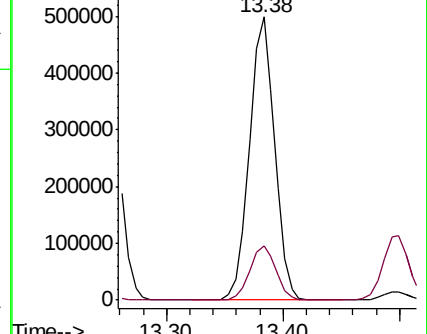
105 100

134 20.0 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.580 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

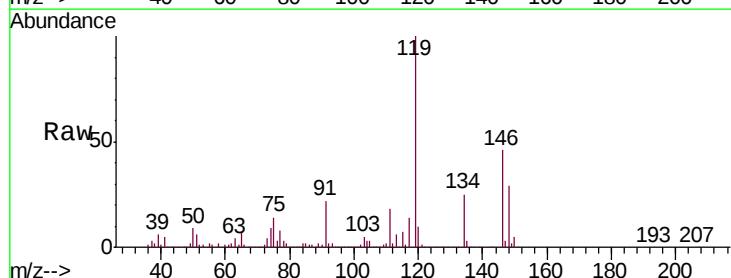
Tgt Ion:119 Resp: 696799

Ion Ratio Lower Upper

119 100

134 25.4 12.8 38.3

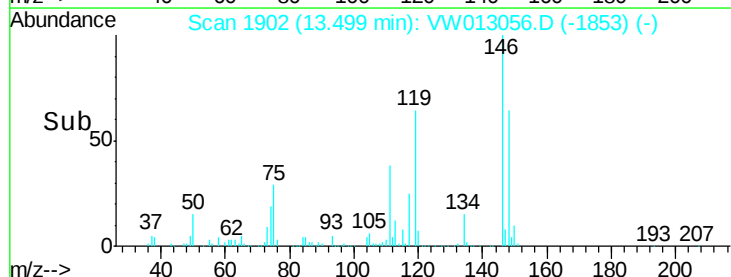
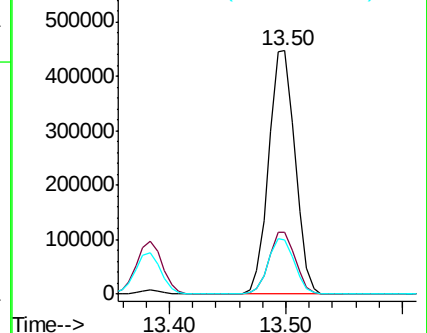
91 22.7 11.8 35.4

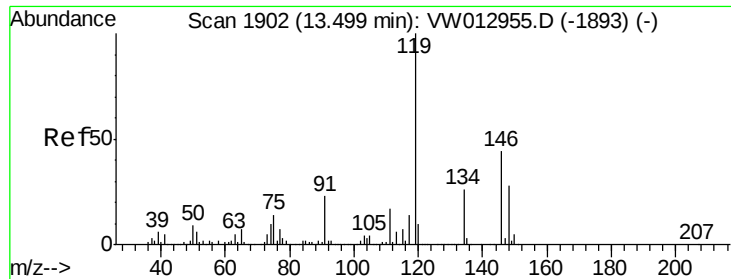


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

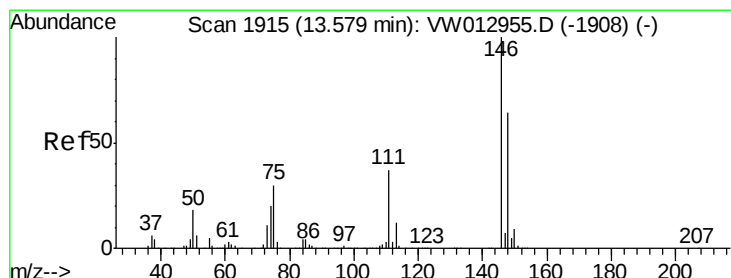
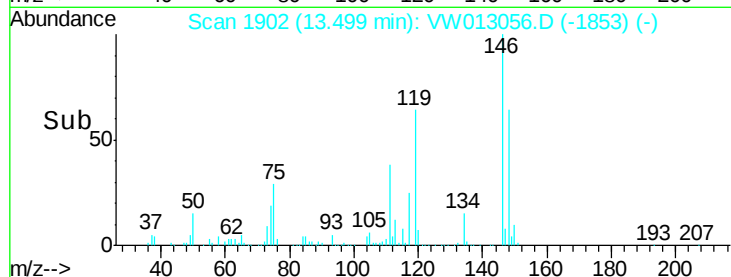
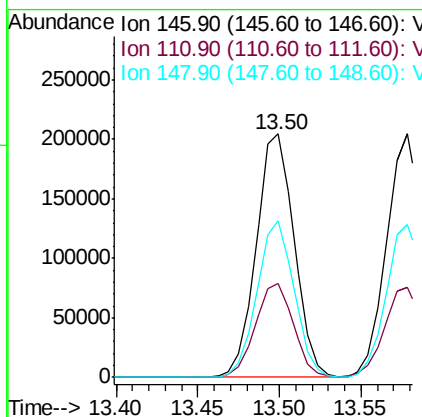
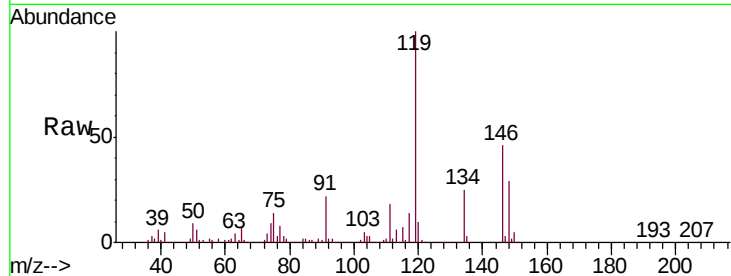




#87
 1,3-Dichlorobenzene
 Concen: 51.867 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013056.D
 Acq: 16 Sep 2019 22:26

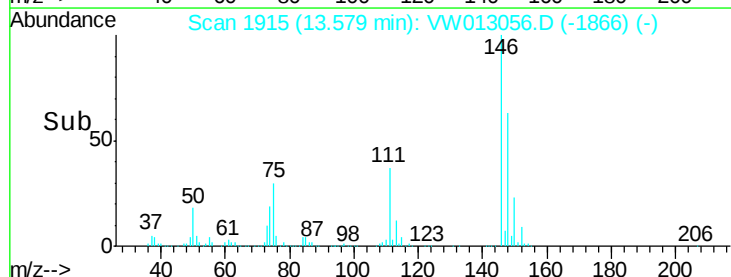
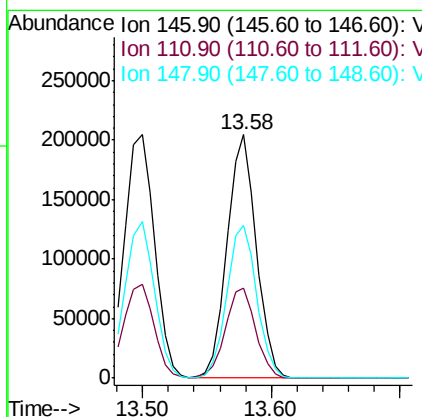
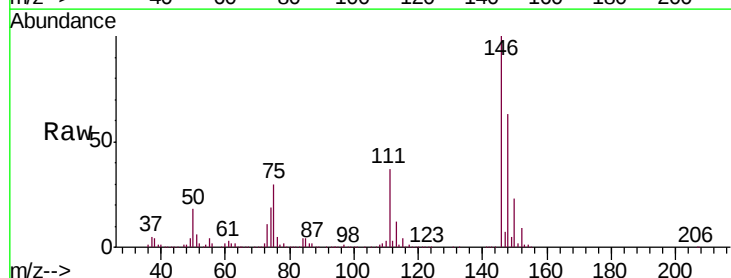
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

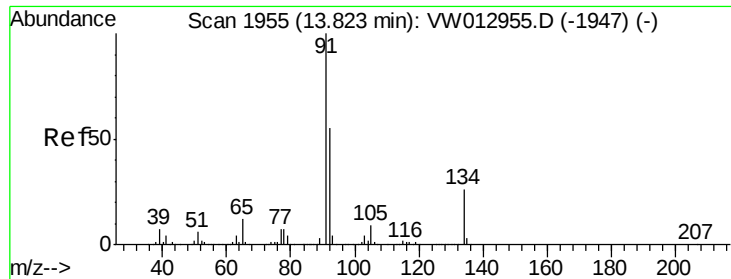
Tgt Ion:146 Resp: 331160
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.8 59.4
 148 62.8 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 51.721 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013056.D
 Acq: 16 Sep 2019 22:26

Tgt Ion:146 Resp: 324519
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.4 58.2
 148 64.4 31.9 95.5





#89

n-Butylbenzene

Concen: 52.060 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

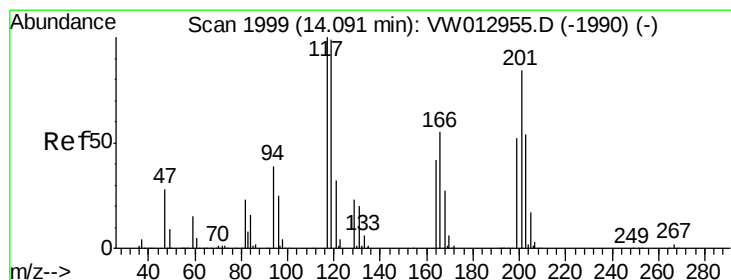
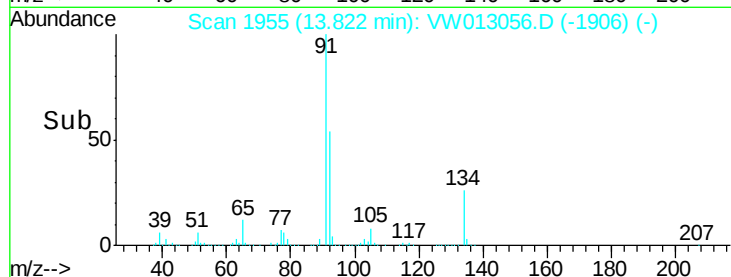
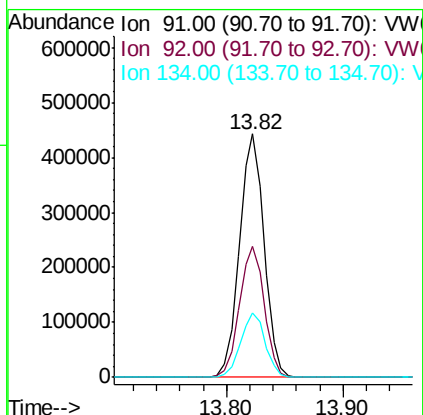
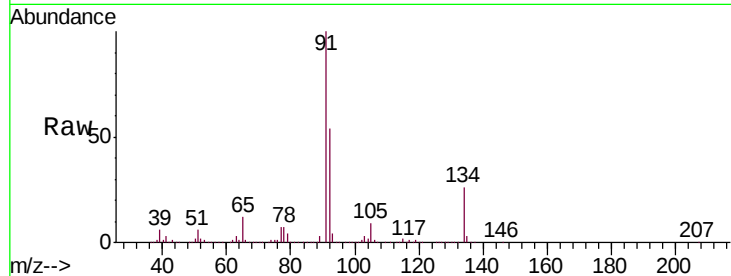
Tgt Ion: 91 Resp: 650637

Ion Ratio Lower Upper

91 100

92 54.5 27.2 81.5

134 26.4 13.1 39.1



#90

Hexachloroethane

Concen: 51.199 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013056.D

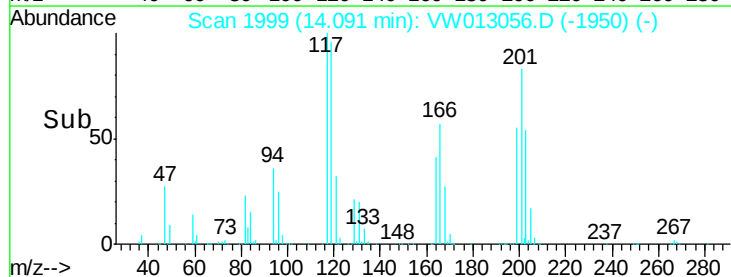
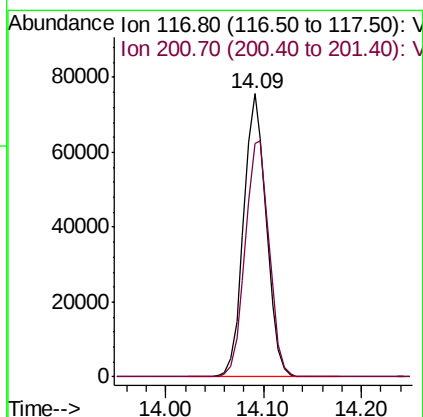
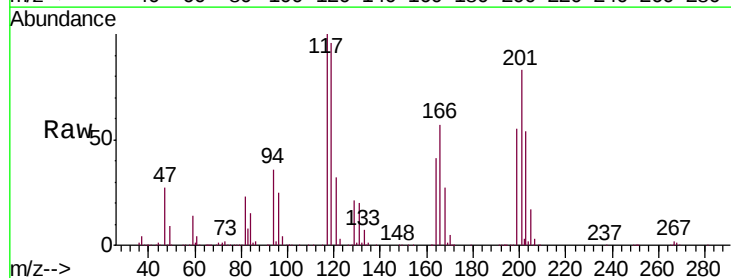
Acq: 16 Sep 2019 22:26

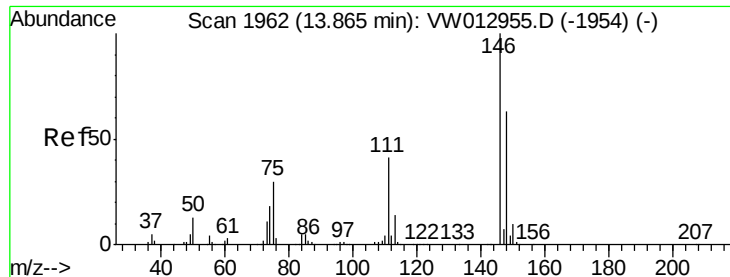
Tgt Ion: 117 Resp: 121589

Ion Ratio Lower Upper

117 100

201 88.0 45.3 135.9

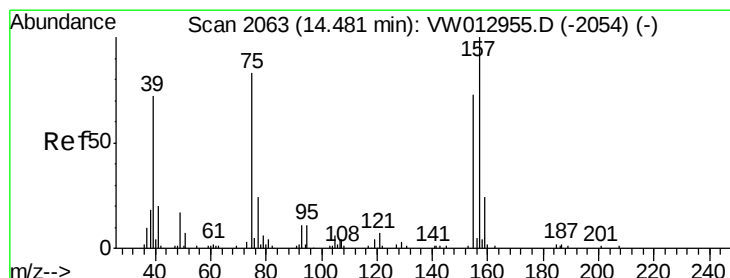
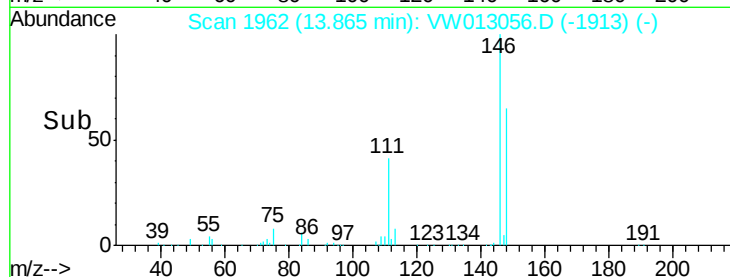
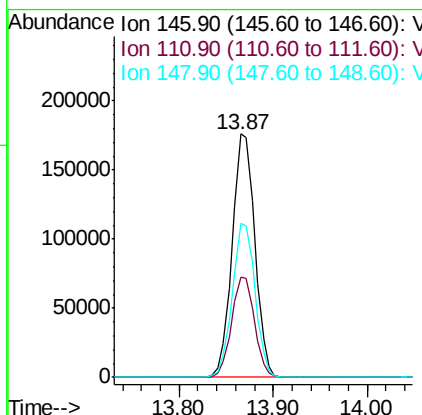
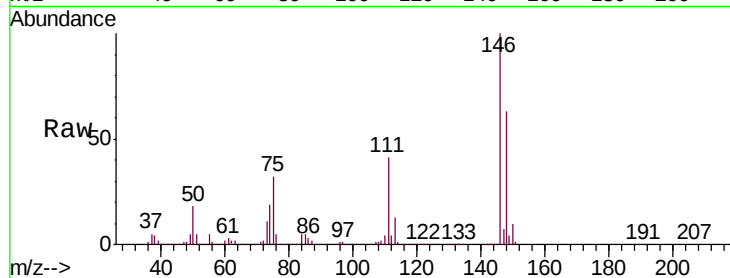




#91
 1,2-Dichlorobenzene
 Concen: 52.371 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.00 min
 Lab File: VW013056.D
 Acq: 16 Sep 2019 22:26

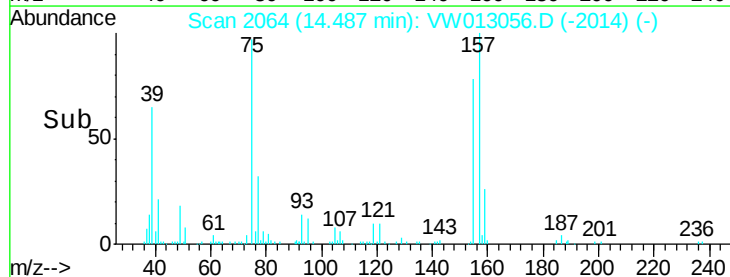
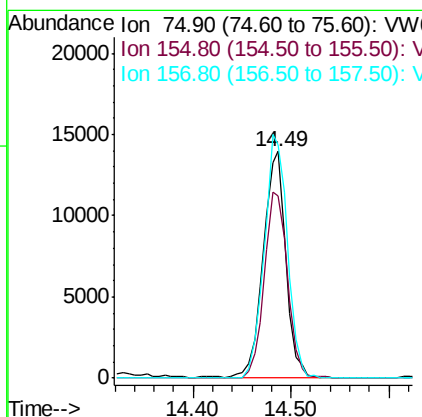
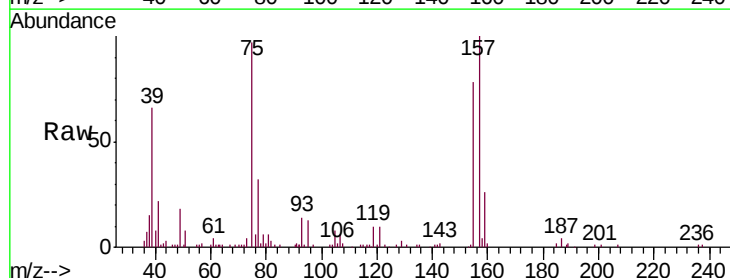
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

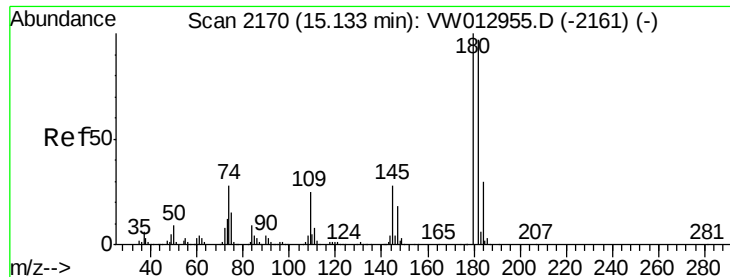
Tgt Ion:146 Resp: 294053
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.8 62.5
 148 63.5 32.7 98.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.733 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013056.D
 Acq: 16 Sep 2019 22:26

Tgt Ion: 75 Resp: 22835
 Ion Ratio Lower Upper
 75 100
 155 83.6 43.3 129.9
 157 109.1 54.7 164.1

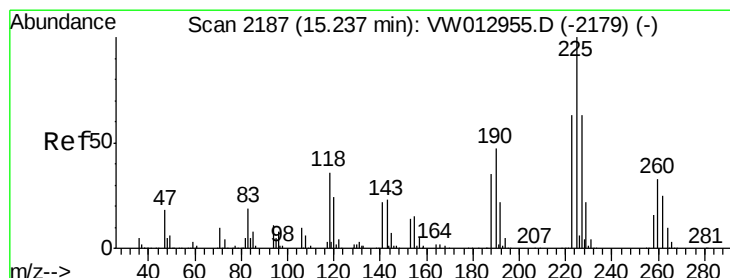
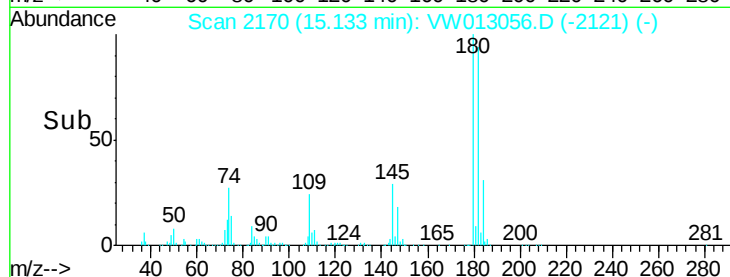
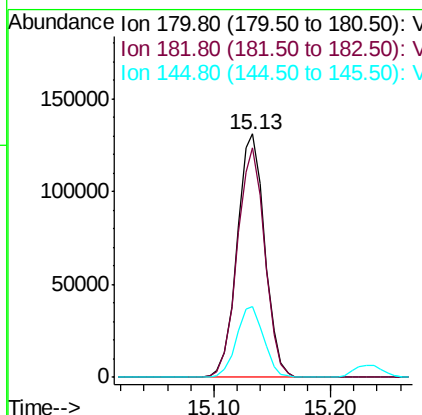
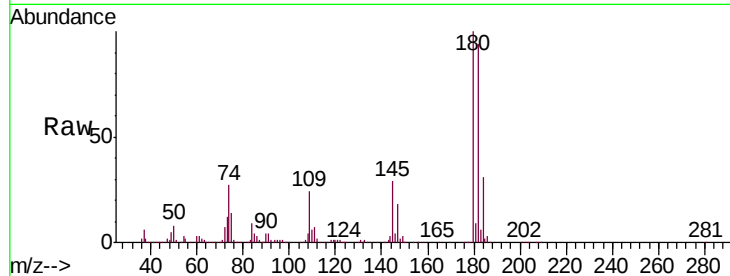




#93
 1,2,4-Trichlorobenzene
 Concen: 54.036 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013056.D
 Acq: 16 Sep 2019 22:26

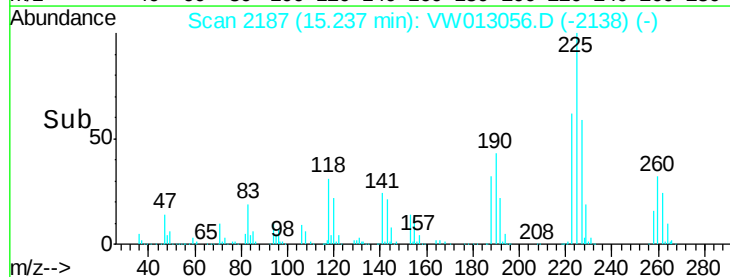
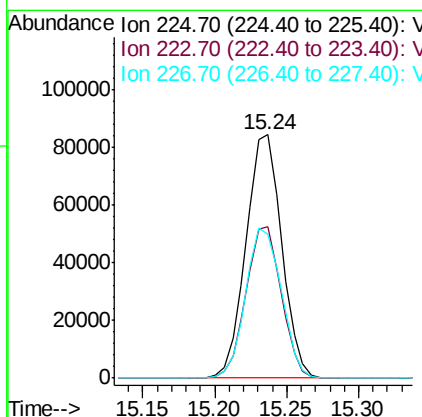
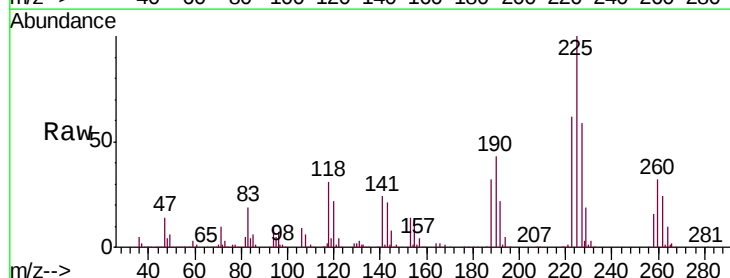
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

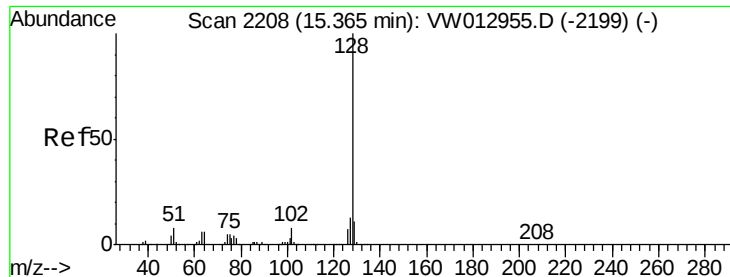
Tgt Ion:180 Resp: 216377
 Ion Ratio Lower Upper
 180 100
 182 94.0 47.4 142.2
 145 28.7 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 50.971 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013056.D
 Acq: 16 Sep 2019 22:26

Tgt Ion:225 Resp: 144489
 Ion Ratio Lower Upper
 225 100
 223 61.7 31.8 95.3
 227 61.5 31.3 93.8

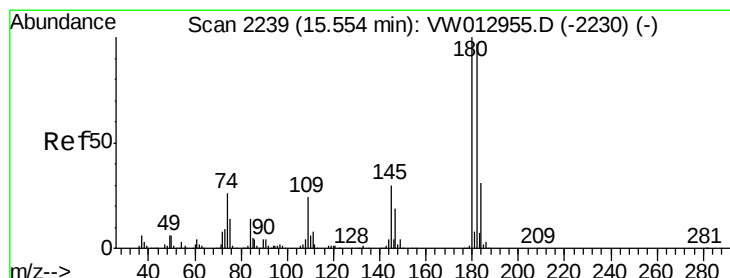
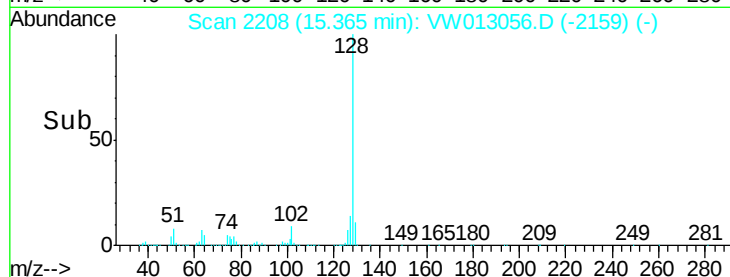
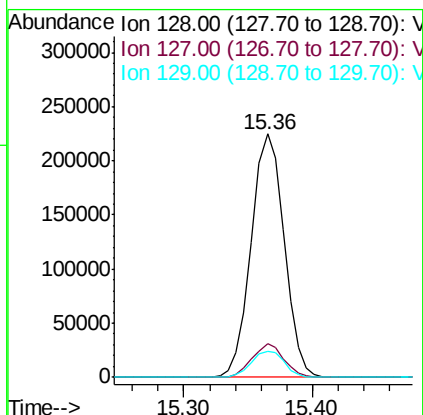
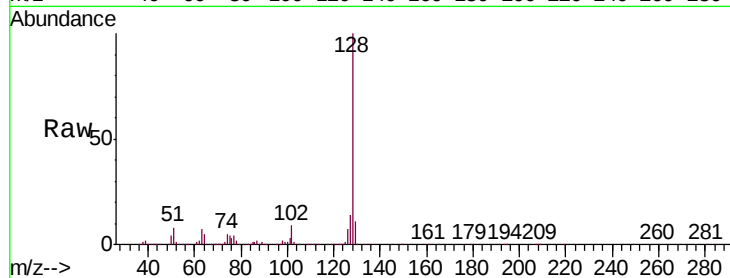




#95
Naphthalene
Concen: 59.475 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 397928
Ion Ratio Lower Upper
128 100
127 13.2 11.0 16.6
129 10.9 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 54.898 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Tgt Ion:180 Resp: 194324
Ion Ratio Lower Upper
180 100
182 96.7 47.6 142.8
145 31.4 15.4 46.2

