

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091019\
 Data File : VW012904.D
 Acq On : 11 Sep 2019 07:30
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 11 08:26:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	182995	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	286881	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	257468	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	131489	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	105438	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
35) Dibromofluoromethane	7.88	113	86673	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
50) Toluene-d8	10.32	98	342988	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
62) 4-Bromofluorobenzene	12.62	95	122199	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	39602	39.919	ug/l	99
3) Chloromethane	2.21	50	57156	47.407	ug/l	92
4) Vinyl Chloride	2.35	62	68396	46.267	ug/l	97
5) Bromomethane	2.73	94	37383	46.569	ug/l	96
6) Chloroethane	2.90	64	45818	51.939	ug/l	98
7) Trichlorofluoromethane	3.24	101	43710	42.848	ug/l	97
8) Diethyl Ether	3.67	74	44501	51.903	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.06	101	70593	44.096	ug/l	96
10) Methyl Iodide	4.26	142	105100	52.151	ug/l	99
11) Tert butyl alcohol	5.16	59	40854	261.151	ug/l	99
12) 1,1-Dichloroethene	4.03	96	68535	45.351	ug/l	98
13) Acrolein	3.89	56	26958	162.388	ug/l	99
14) Allyl chloride	4.66	41	136163	43.556	ug/l	97
15) Acrylonitrile	5.36	53	117815	235.264	ug/l	100
16) Acetone	4.11	43	100532	180.354	ug/l	96
17) Carbon Disulfide	4.37	76	130511	40.686	ug/l	100
18) Methyl Acetate	4.66	43	68132	52.097	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	158147	52.767	ug/l	100
20) Methylene Chloride	4.91	84	89536	51.343	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	76407	49.551	ug/l	89
22) Diisopropyl ether	6.31	45	321336	51.826	ug/l	99
23) Vinyl Acetate	6.24	43	892823	227.215	ug/l	99
24) 1,1-Dichloroethane	6.21	63	169233	50.691	ug/l	99
25) 2-Butanone	7.17	43	157310	196.260	ug/l	99
26) 2,2-Dichloropropane	7.16	77	86247	40.903	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	97191	54.360	ug/l	95
28) Bromochloromethane	7.51	49	79541	51.888	ug/l	89
29) Tetrahydrofuran	7.52	42	101149	224.708	ug/l	95
30) Chloroform	7.67	83	174426	52.718	ug/l	99
31) Cyclohexane	7.95	56	117607	39.130	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	134476	50.141	ug/l	96
36) 1,1-Dichloropropene	8.08	75	114095	44.760	ug/l	99
37) Ethyl Acetate	7.25	43	69766	42.935	ug/l	99
38) Carbon Tetrachloride	8.06	117	117953	46.943	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	119613	41.781	ug/l	95
40) Benzene	8.32	78	349930	49.479	ug/l	99
41) Methacrylonitrile	7.48	41	42510	39.369	ug/l	94
42) 1,2-Dichloroethane	8.40	62	126451	50.804	ug/l	99
43) Isopropyl Acetate	8.42	43	136984	44.497	ug/l	97
44) Trichloroethene	9.09	130	92265	50.611	ug/l	91
45) 1,2-Dichloropropane	9.37	63	97678	49.797	ug/l	93
46) Dibromomethane	9.46	93	47793	51.454	ug/l	96
47) Bromodichloromethane	9.64	83	132759	51.951	ug/l	99
48) Methyl methacrylate	9.43	41	70302	47.786	ug/l	96
49) 1,4-Dioxane	9.45	88	16078	876.303	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	360989	223.468	ug/l	98
52) Toluene	10.38	92	225876	51.172	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	128745	48.995	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	145206	48.711	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	73115	52.578	ug/l	97
56) Ethyl methacrylate	10.65	69	101434	49.831	ug/l	98
57) 1,3-Dichloropropane	10.93	76	129845	50.472	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	263847	244.157	ug/l	96
59) 2-Hexanone	10.96	43	244643	207.293	ug/l	98
60) Dibromochloromethane	11.13	129	85794	52.459	ug/l	99
61) 1,2-Dibromoethane	11.23	107	66132	51.872	ug/l	99
64) Tetrachloroethene	10.86	164	88514	56.658	ug/l	96
65) Chlorobenzene	11.66	112	247060	50.770	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	97386	53.739	ug/l	98
67) Ethyl Benzene	11.73	91	457146	50.070	ug/l	99
68) m/p-Xylenes	11.83	106	333624	101.233	ug/l	98
69) o-Xylene	12.16	106	160393	51.587	ug/l	98
70) Styrene	12.18	104	288224	52.461	ug/l	99
71) Bromoform	12.35	173	51871	51.519	ug/l #	98
73) Isopropylbenzene	12.46	105	449826	47.698	ug/l	100
74) N-amyl acetate	12.27	43	125378	41.884	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	84079	44.393	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	109794	81.660	ug/l #	100
77) Bromobenzene	12.74	156	110098	51.529	ug/l	92
78) n-propylbenzene	12.80	91	529275	46.925	ug/l	100
79) 2-Chlorotoluene	12.89	91	317293	49.002	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	389167	48.972	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	24289	38.209	ug/l	97
82) 4-Chlorotoluene	12.99	91	329380	48.091	ug/l	98
83) tert-Butylbenzene	13.21	119	343705	48.915	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	397715	49.668	ug/l	100
85) sec-Butylbenzene	13.38	105	455251	46.691	ug/l	98
86) p-Isopropyltoluene	13.50	119	429474	48.222	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	210367	50.092	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	210733	50.428	ug/l	99
89) n-Butylbenzene	13.82	91	395083	45.694	ug/l	100
90) Hexachloroethane	14.09	117	76253	49.045	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	195077	51.608	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	15618	45.060	ug/l	99

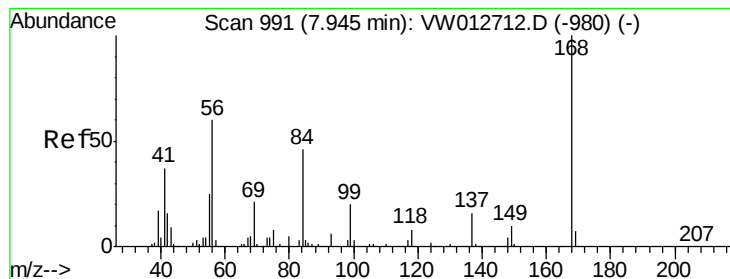
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	136037	51.692	ug/l	99
94) Hexachlorobutadiene	15.24	225	88990	48.854	ug/l	99
95) Naphthalene	15.36	128	244967	44.902	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	122703	52.821	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012904.D

Acq: 11 Sep 2019 07:30

Instrument :

MSVOA_W

ClientSampleId :

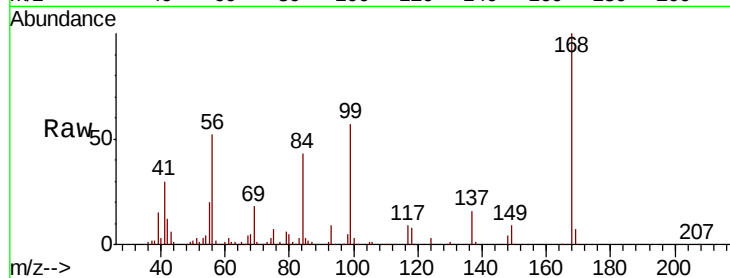
VSTDCCC050EC

Tgt Ion:168 Resp: 182995

Ion Ratio Lower Upper

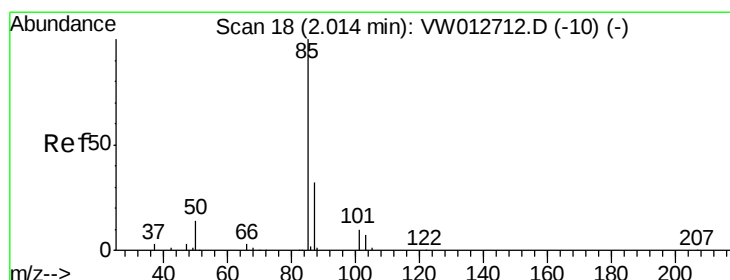
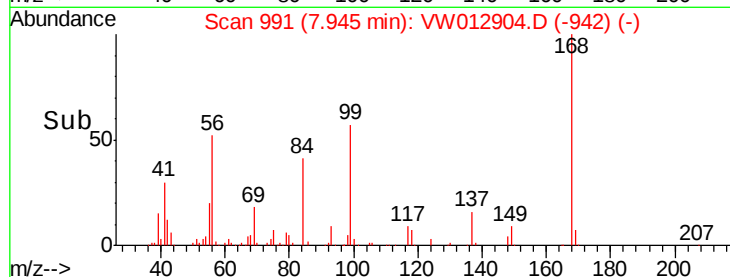
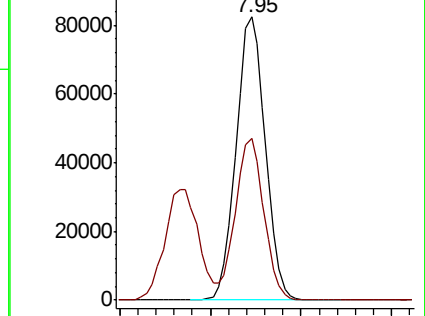
168 100

99 57.0 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 39.919 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012904.D

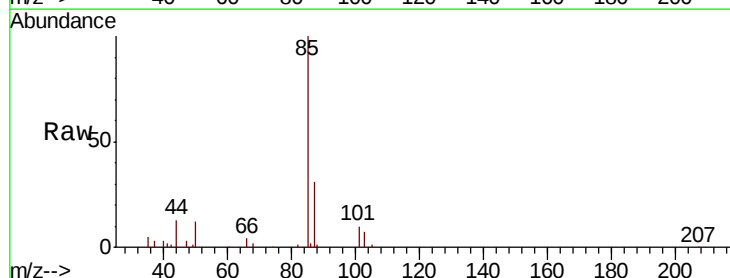
Acq: 11 Sep 2019 07:30

Tgt Ion: 85 Resp: 39602

Ion Ratio Lower Upper

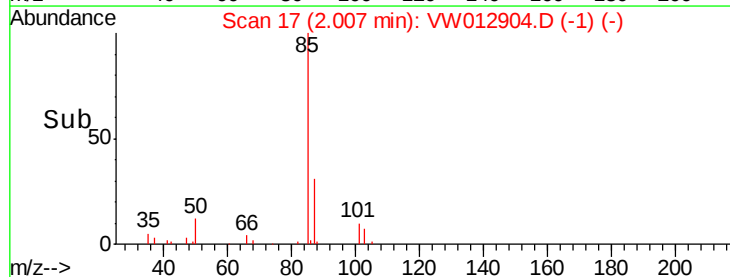
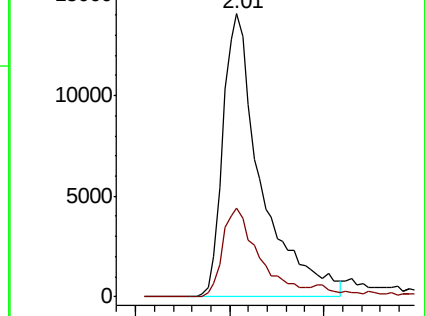
85 100

87 31.2 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 47.407 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW012904.D

Acq: 11 Sep 2019 07:30

Instrument :

MSVOA_W

ClientSampleId :

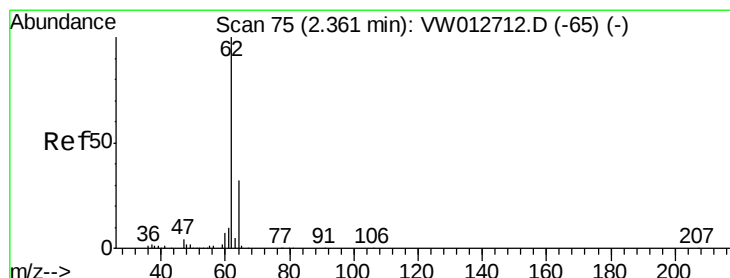
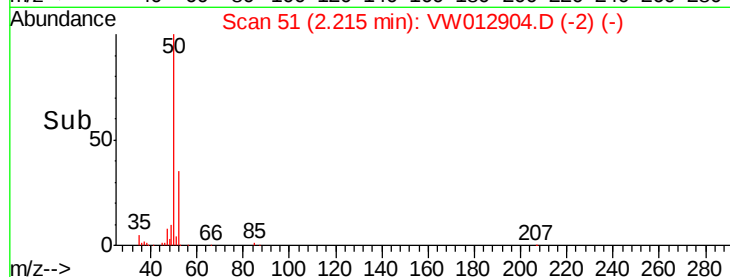
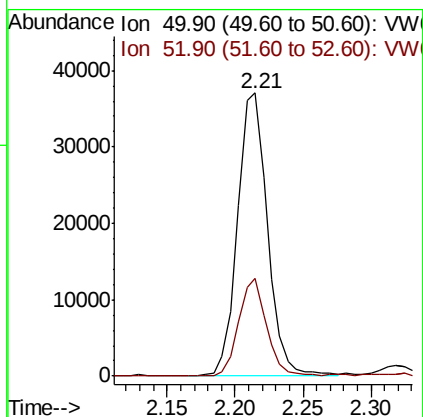
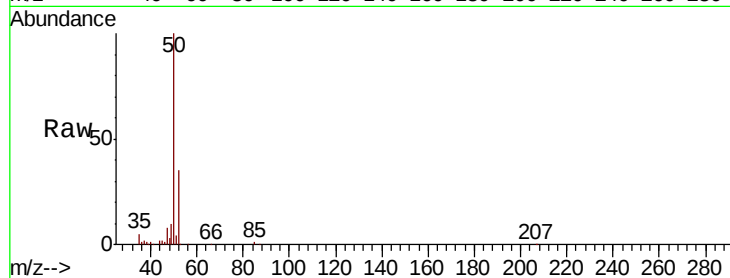
VSTDCCC050EC

Tgt Ion: 50 Resp: 57156

Ion Ratio Lower Upper

50 100

52 34.6 24.2 36.2



#4

Vinyl Chloride

Concen: 46.267 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012904.D

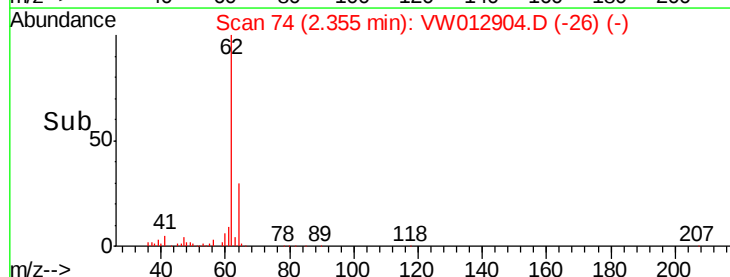
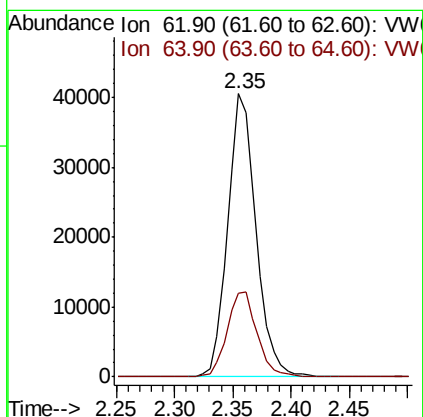
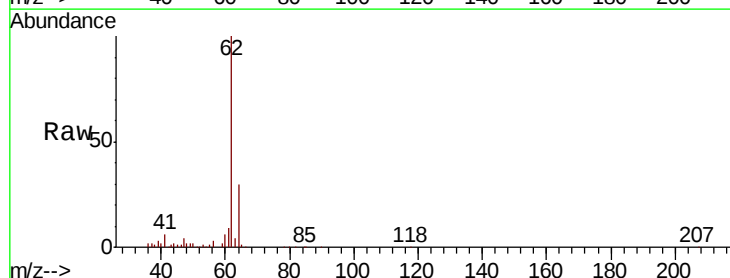
Acq: 11 Sep 2019 07:30

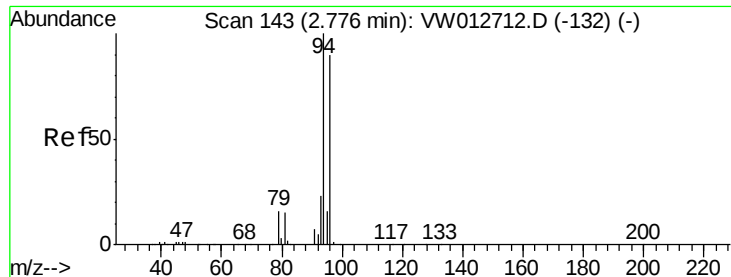
Tgt Ion: 62 Resp: 68396

Ion Ratio Lower Upper

62 100

64 29.7 25.3 37.9





#5

Bromomethane

Concen: 46.569 ug/l

RT: 2.73 min Scan# 135

Delta R.T. -0.05 min

Lab File: VW012904.D

Acq: 11 Sep 2019 07:30

Instrument :

MSVOA_W

ClientSampleId :

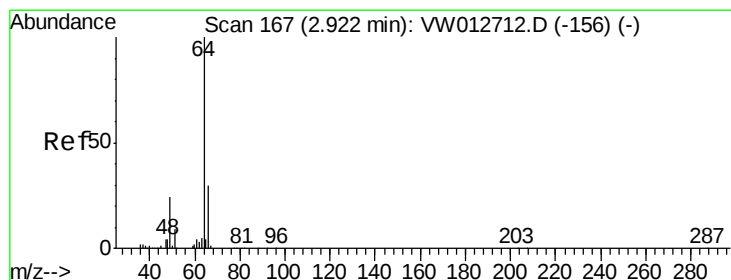
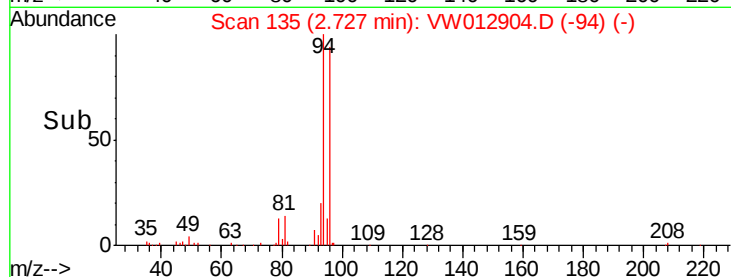
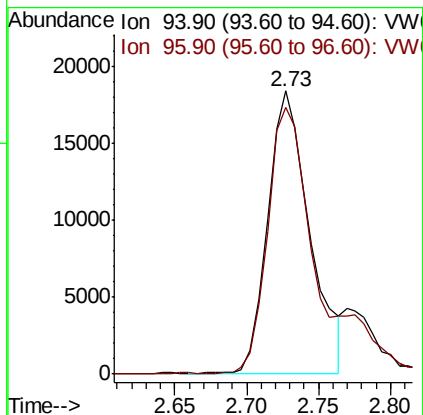
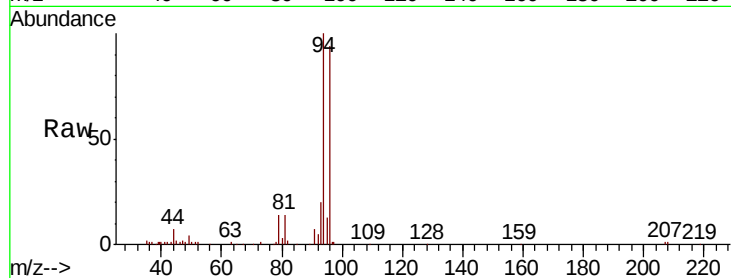
VSTDCCC050EC

Tgt Ion: 94 Resp: 37383

Ion Ratio Lower Upper

94 100

96 93.6 72.1 108.1



#6

Chloroethane

Concen: 51.939 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.02 min

Lab File: VW012904.D

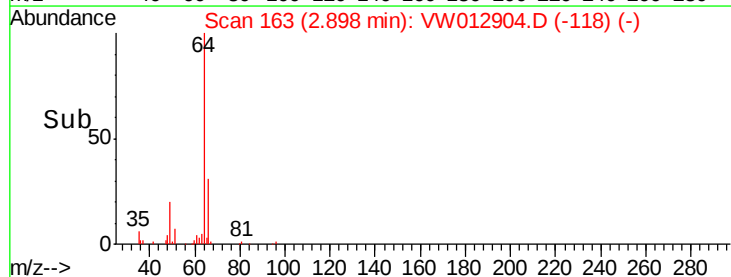
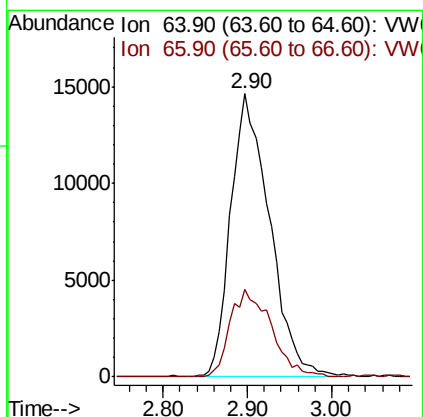
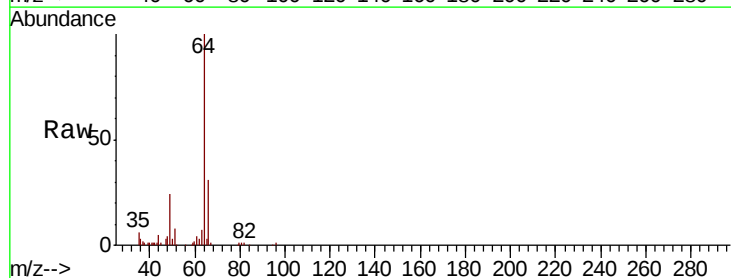
Acq: 11 Sep 2019 07:30

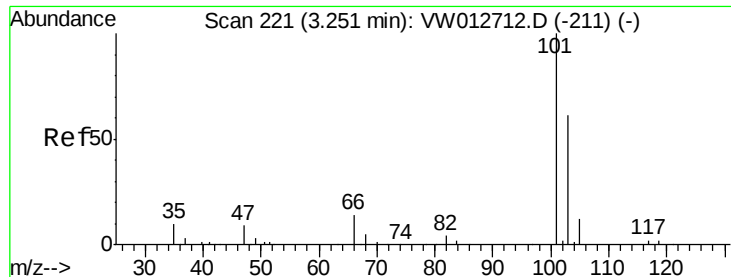
Tgt Ion: 64 Resp: 45818

Ion Ratio Lower Upper

64 100

66 30.8 23.8 35.6



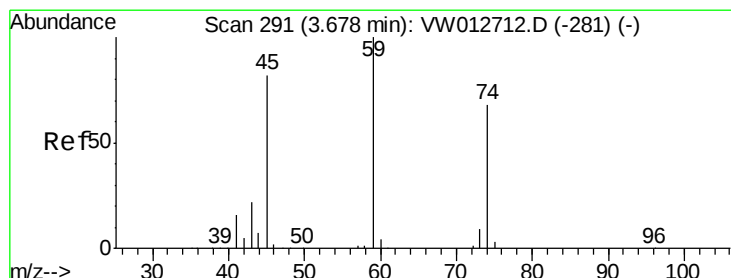
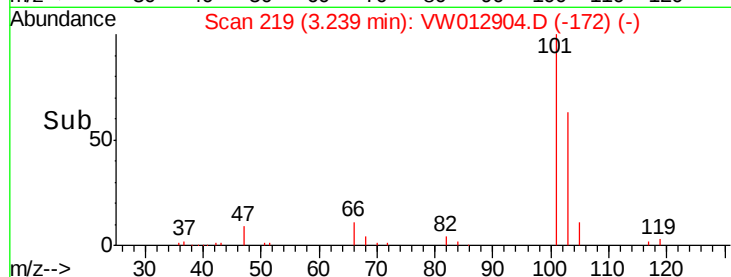
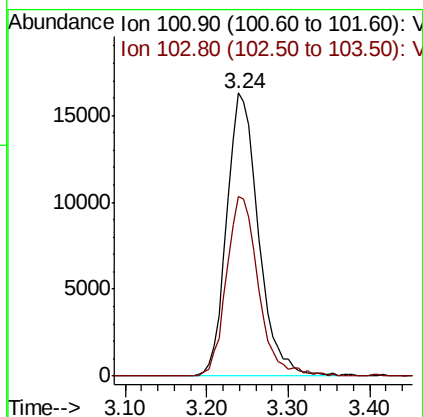
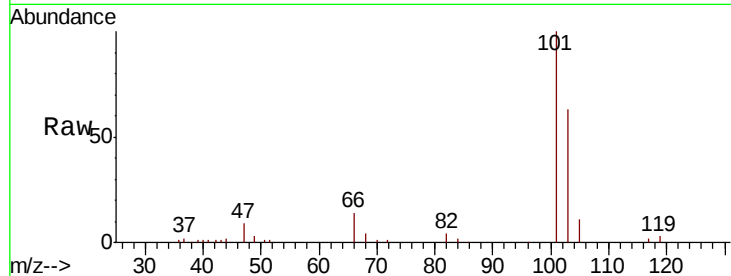


#7

Trichlorofluoromethane
 Concen: 42.848 ug/l
 RT: 3.24 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VW012904.D
 Acq: 11 Sep 2019 07:30

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

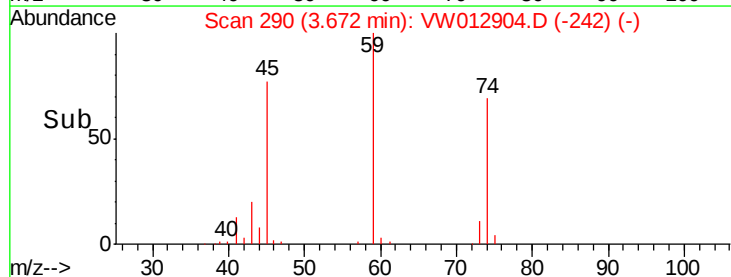
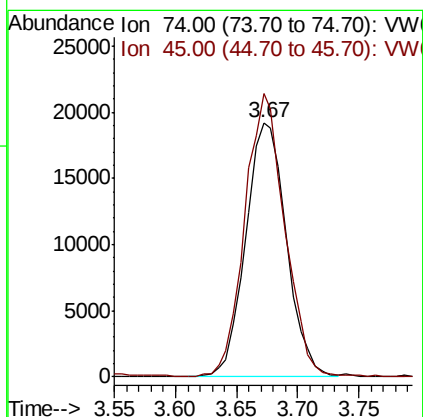
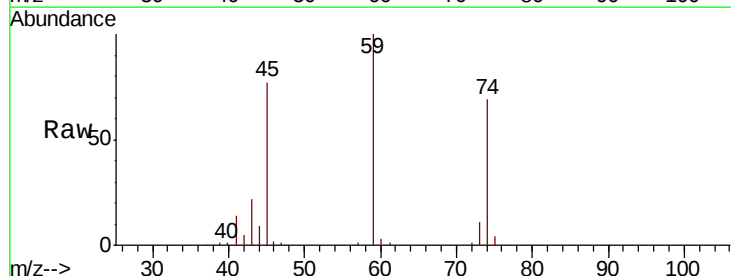
Tgt Ion:101 Resp: 43710
 Ion Ratio Lower Upper
 101 100
 103 63.5 49.0 73.4

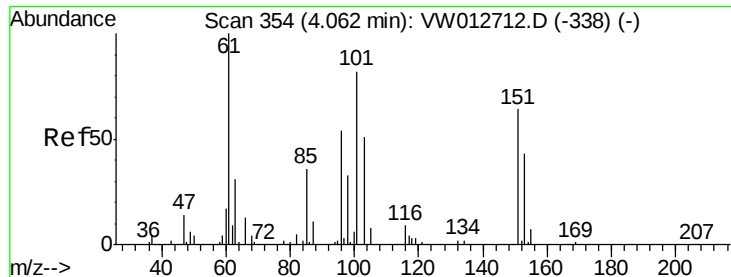


#8

Diethyl Ether
 Concen: 51.903 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW012904.D
 Acq: 11 Sep 2019 07:30

Tgt Ion: 74 Resp: 44501
 Ion Ratio Lower Upper
 74 100
 45 109.6 58.8 176.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.096 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012904.D

Acq: 11 Sep 2019 07:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

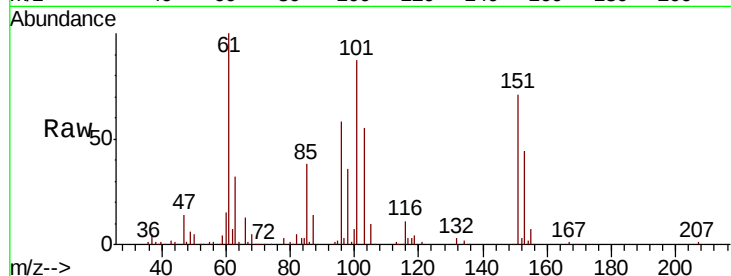
Tgt Ion:101 Resp: 70593

Ion Ratio Lower Upper

101 100

85 44.0 36.2 54.2

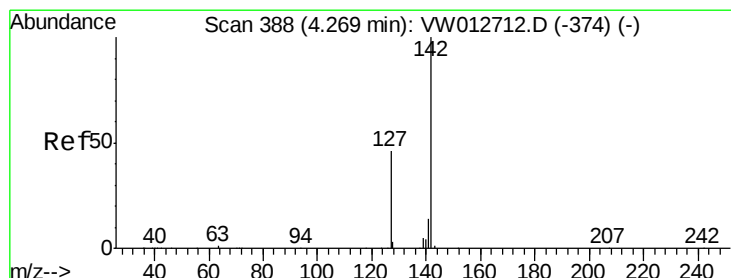
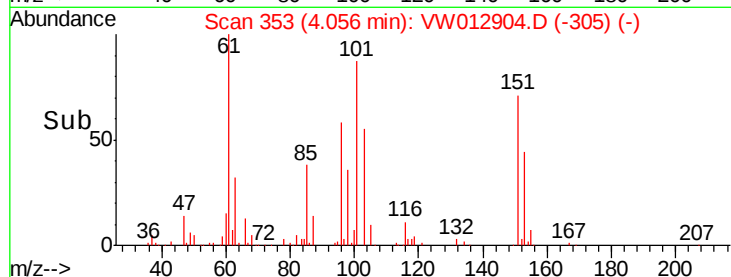
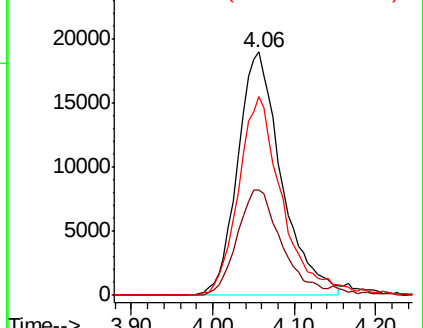
151 81.9 61.9 92.9



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: 52.151 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW012904.D

Acq: 11 Sep 2019 07:30

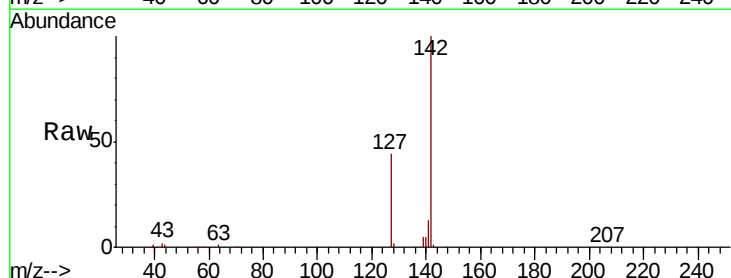
Tgt Ion:142 Resp: 105100

Ion Ratio Lower Upper

142 100

127 44.4 36.0 54.0

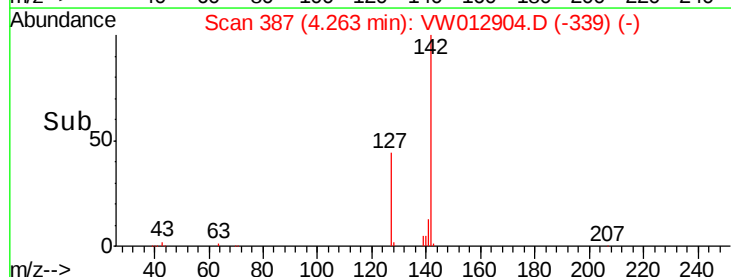
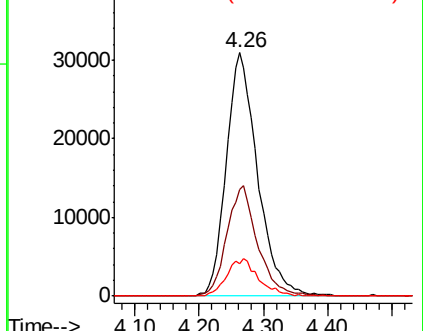
141 15.5 12.2 18.4

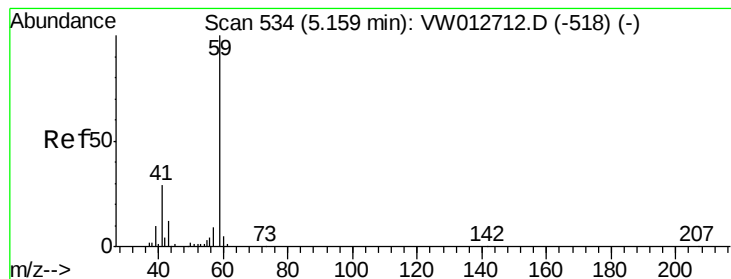


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



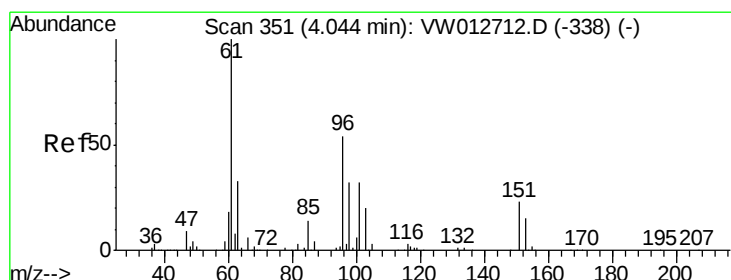
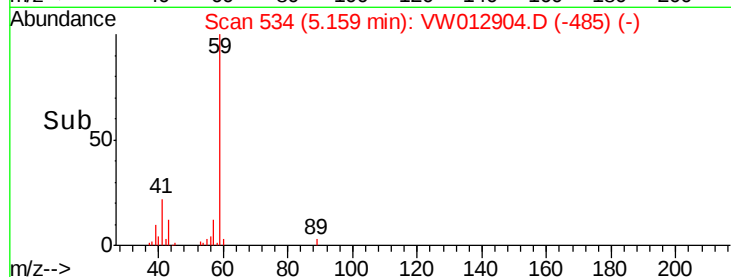
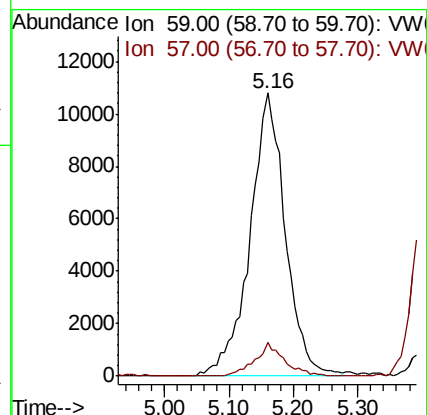
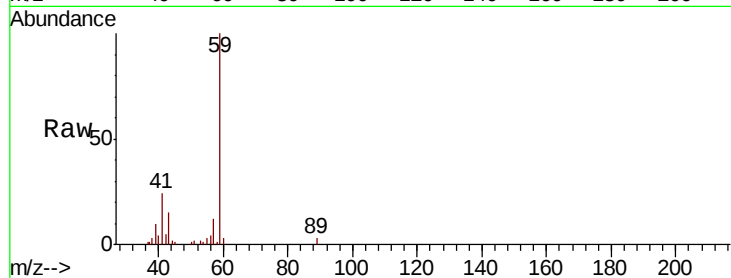


#11

Tert butyl alcohol
 Concen: 261.151 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: VW012904.D
 Acq: 11 Sep 2019 07:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

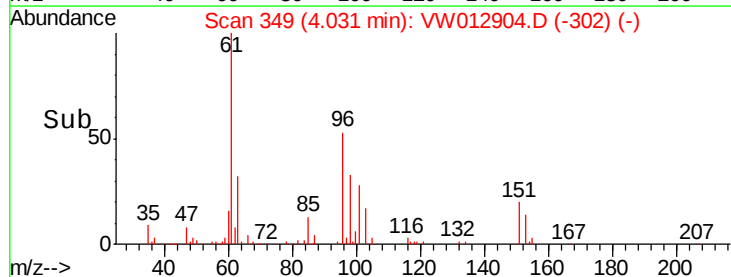
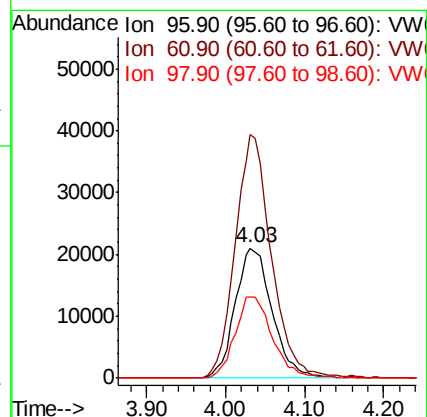
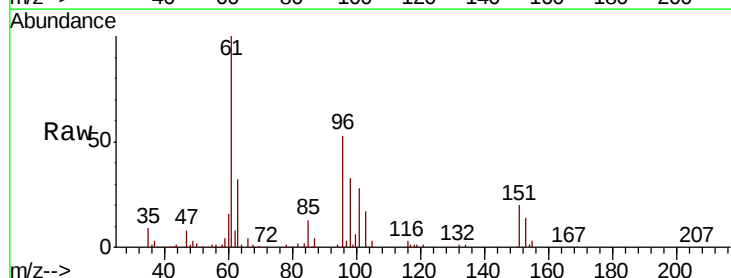
Tgt Ion: 59 Resp: 40854
 Ion Ratio Lower Upper
 59 100
 57 9.8 8.2 12.4

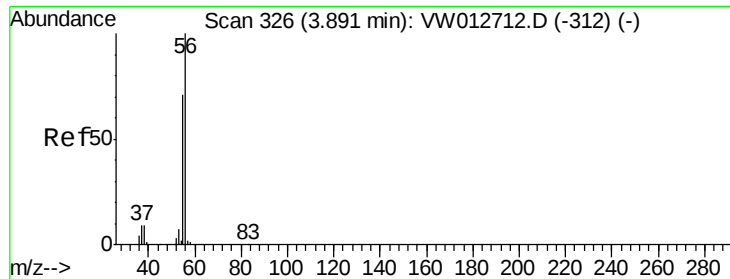


#12

1,1-Dichloroethene
 Concen: 45.351 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW012904.D
 Acq: 11 Sep 2019 07:30

Tgt Ion: 96 Resp: 68535
 Ion Ratio Lower Upper
 96 100
 61 187.2 147.8 221.6
 98 62.4 47.9 71.9





#13

Acrolein

Concen: 162.388 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW012904.D

Acq: 11 Sep 2019 07:30

Instrument :

MSVOA_W

ClientSampleId :

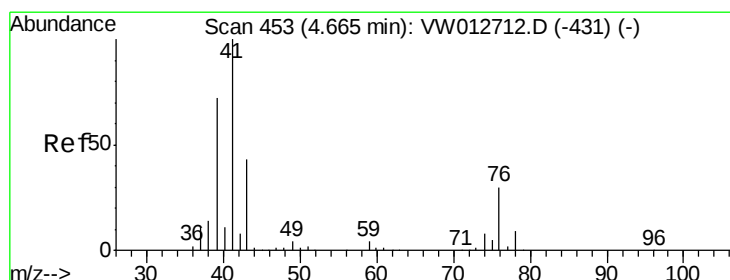
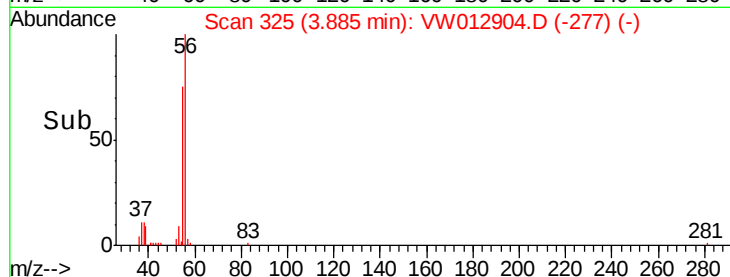
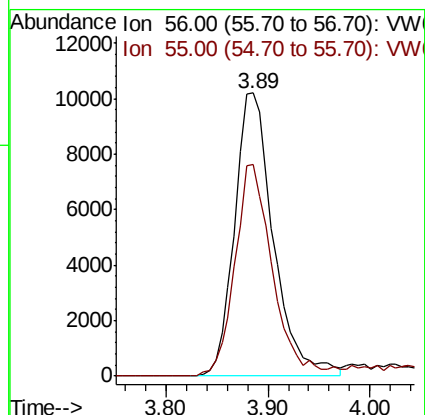
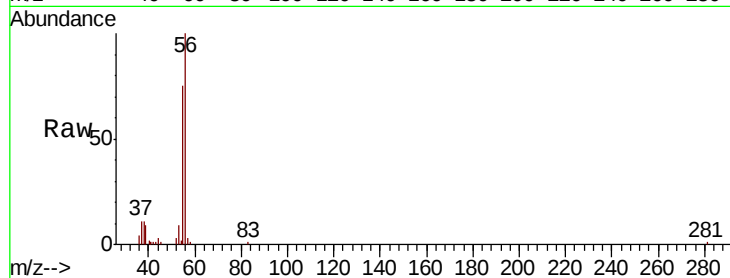
VSTDCCC050EC

Tgt Ion: 56 Resp: 26958

Ion Ratio Lower Upper

56 100

55 72.0 56.9 85.3



#14

Allyl chloride

Concen: 43.556 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012904.D

Acq: 11 Sep 2019 07:30

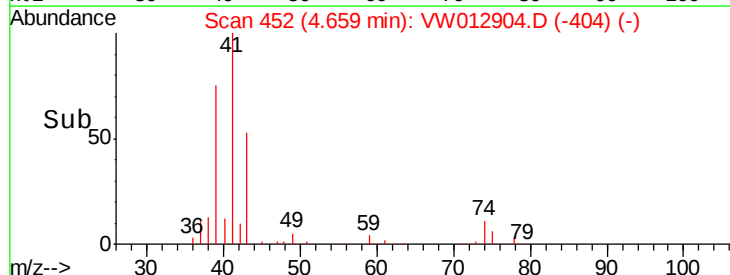
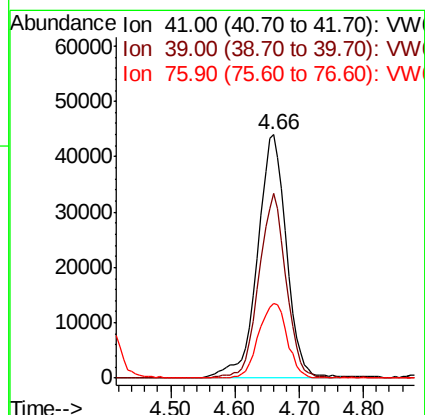
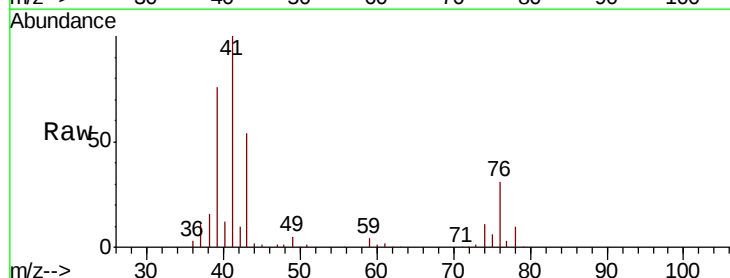
Tgt Ion: 41 Resp: 136163

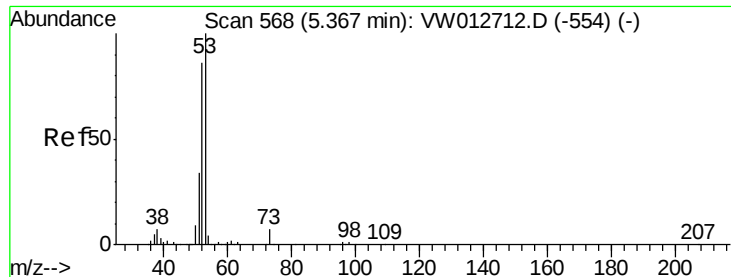
Ion Ratio Lower Upper

41 100

39 71.2 55.0 82.6

76 30.3 23.0 34.4





#15

Acrylonitrile

Concen: 235.264 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012904.D

Acq: 11 Sep 2019 07:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

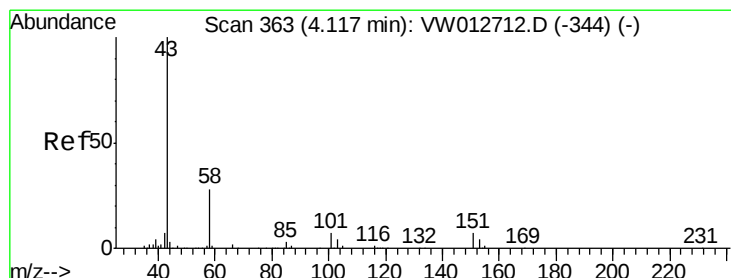
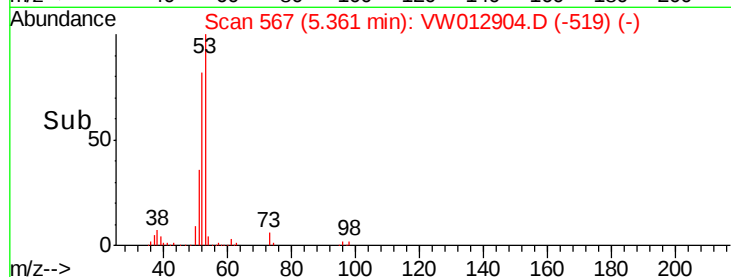
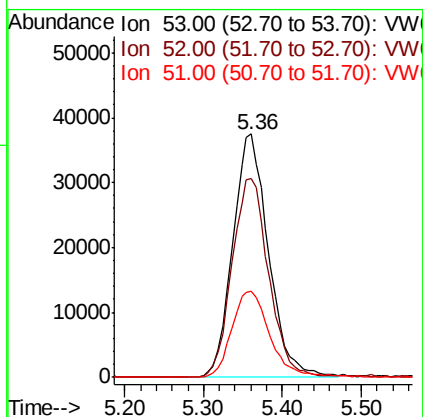
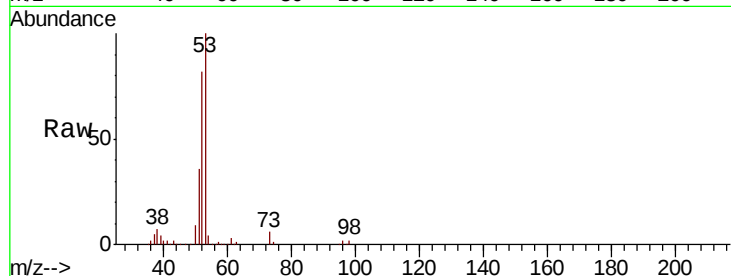
Tgt Ion: 53 Resp: 117815

Ion Ratio Lower Upper

53 100

52 83.6 67.0 100.4

51 38.1 29.8 44.8



#16

Acetone

Concen: 180.354 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW012904.D

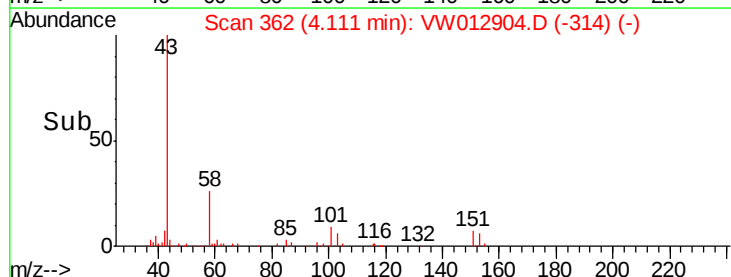
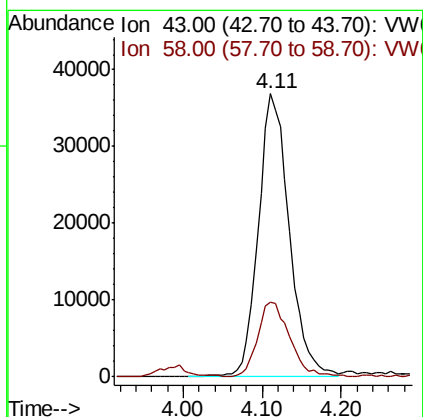
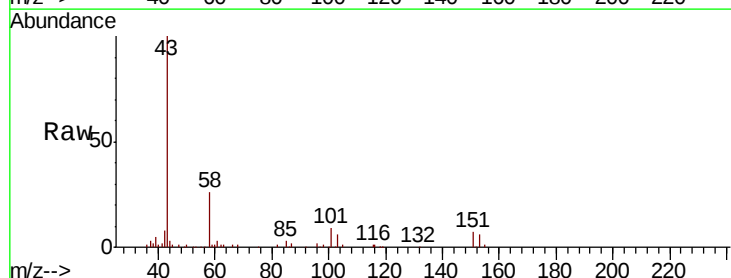
Acq: 11 Sep 2019 07:30

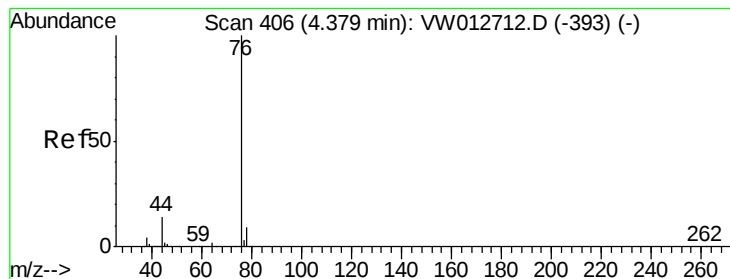
Tgt Ion: 43 Resp: 100532

Ion Ratio Lower Upper

43 100

58 25.9 22.6 33.8





#17

Carbon Disulfide

Concen: 40.686 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW012904.D

Acq: 11 Sep 2019 07:30

Instrument :

MSVOA_W

ClientSampleId :

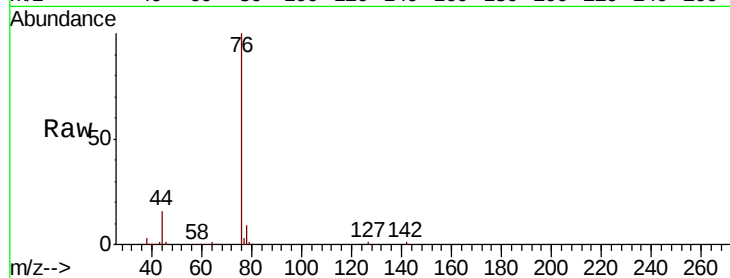
VSTDCCC050EC

Tgt Ion: 76 Resp: 130511

Ion Ratio Lower Upper

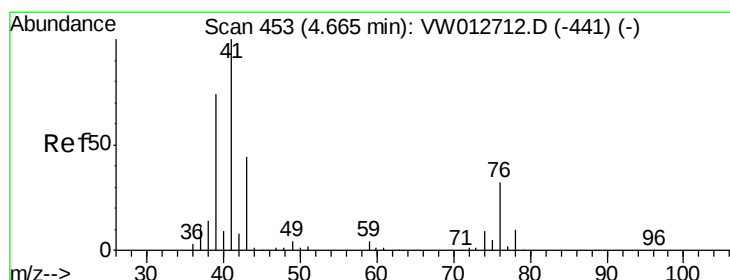
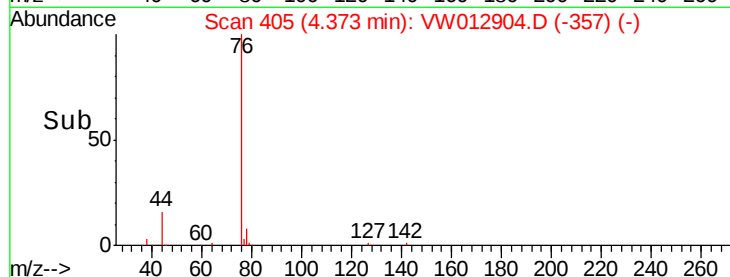
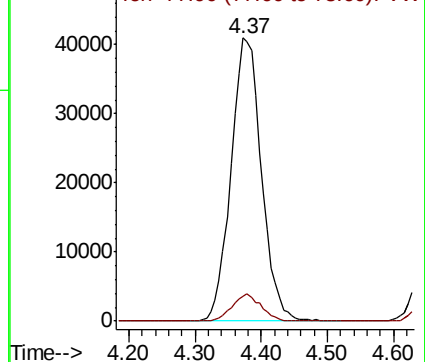
76 100

78 8.8 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 52.097 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012904.D

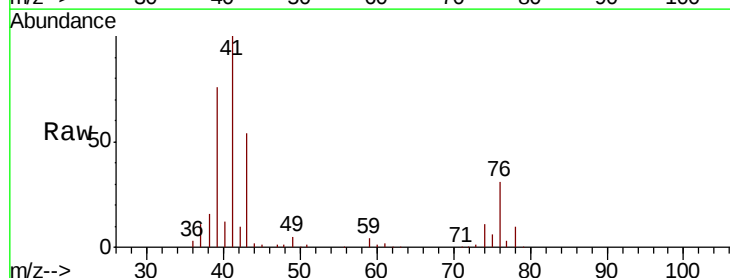
Acq: 11 Sep 2019 07:30

Tgt Ion: 43 Resp: 68132

Ion Ratio Lower Upper

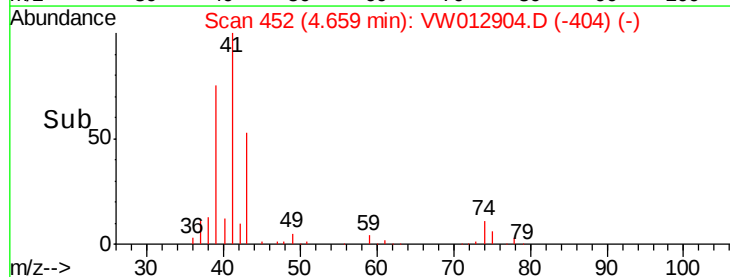
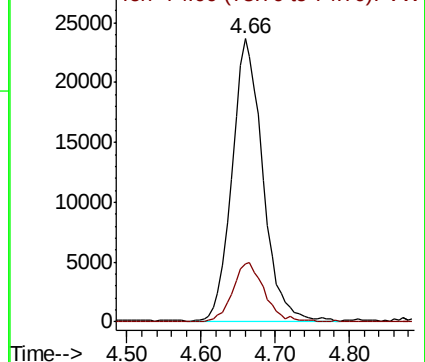
43 100

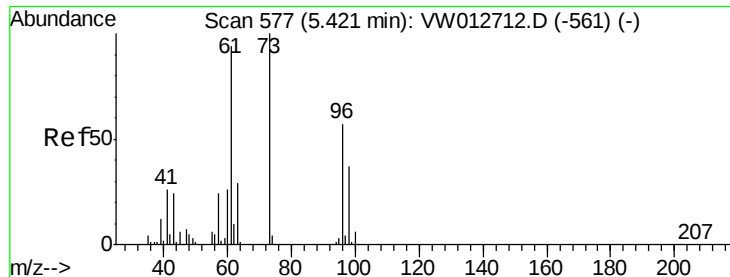
74 21.9 15.8 23.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

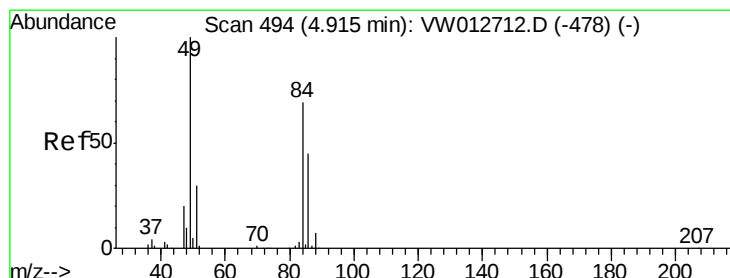
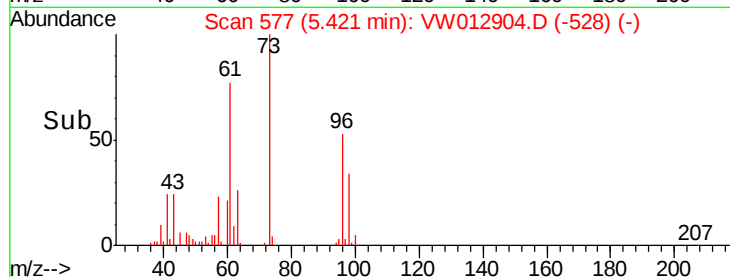
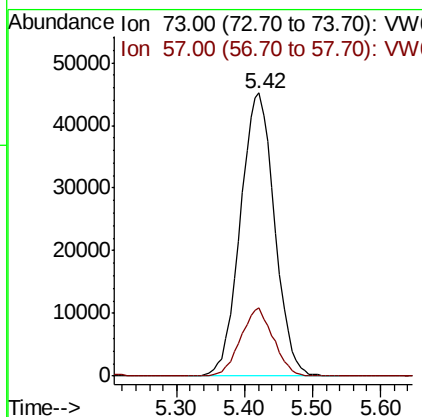
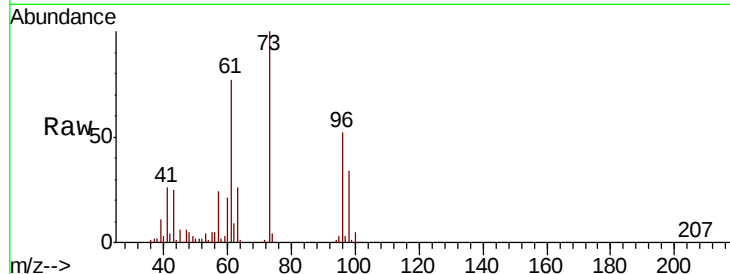




#19
Methyl tert-butyl Ether
Concen: 52.767 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW012904.D
Acq: 11 Sep 2019 07:30

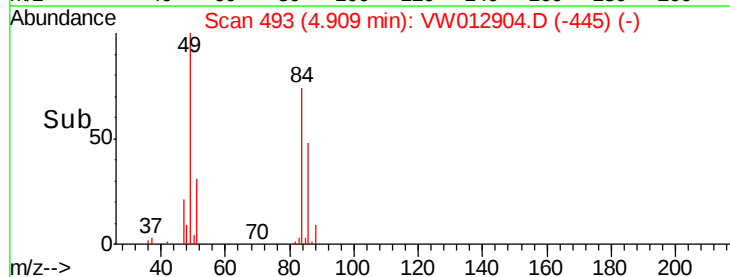
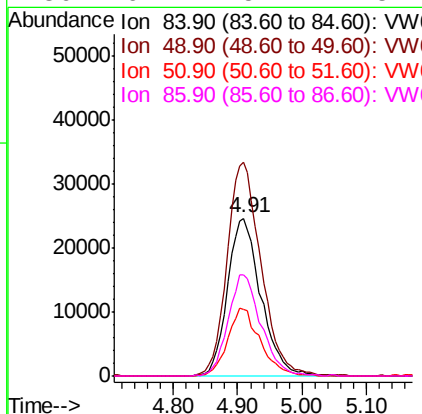
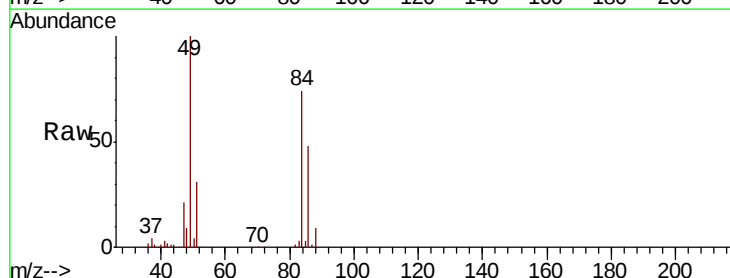
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

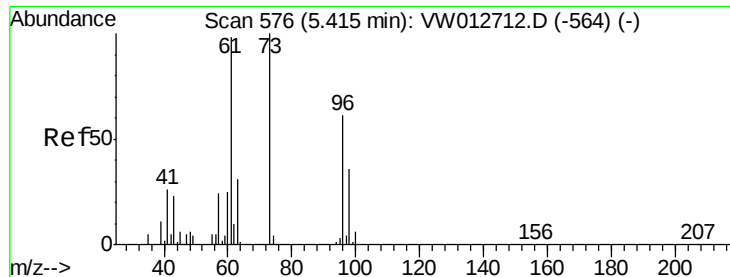
Tgt Ion: 73 Resp: 158147
Ion Ratio Lower Upper
73 100
57 23.9 19.2 28.8



#20
Methylene Chloride
Concen: 51.343 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012904.D
Acq: 11 Sep 2019 07:30

Tgt Ion: 84 Resp: 89536
Ion Ratio Lower Upper
84 100
49 135.2 115.4 173.0
51 41.8 34.9 52.3
86 64.4 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 49.551 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW012904.D

Acq: 11 Sep 2019 07:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

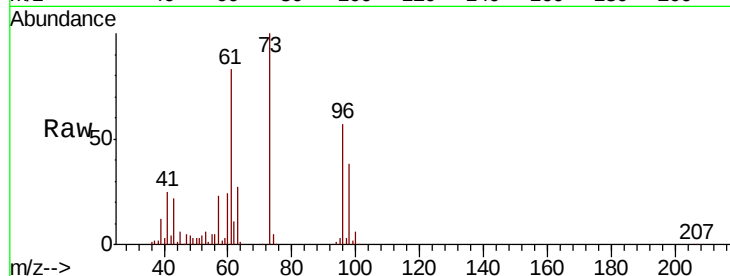
Tgt Ion: 96 Resp: 76407

Ion Ratio Lower Upper

96 100

61 146.2 129.2 193.8

98 66.4 48.0 72.0

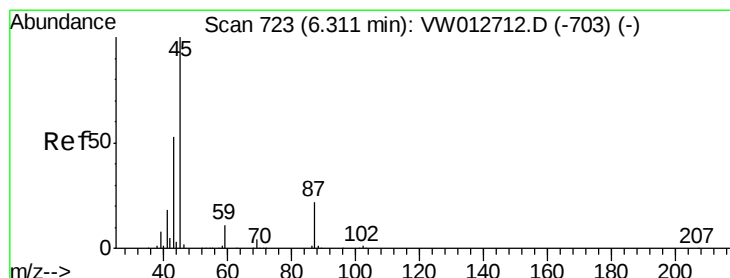
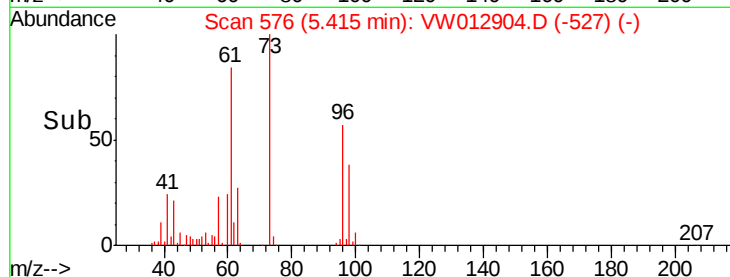
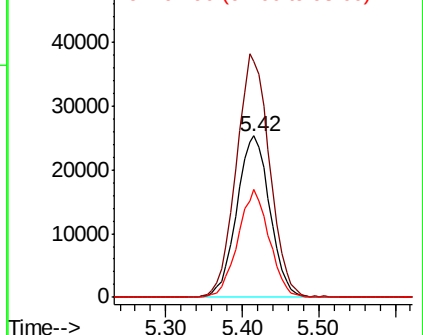


Abundance

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: 51.826 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW012904.D

Acq: 11 Sep 2019 07:30

Tgt Ion: 45 Resp: 321336

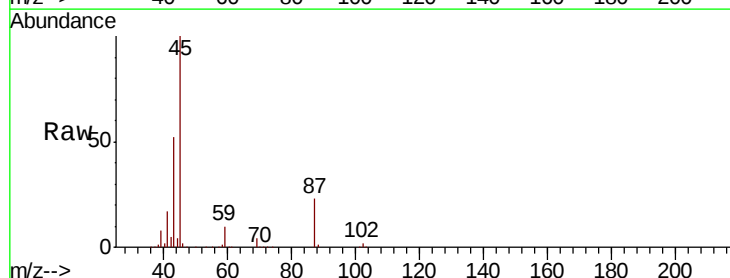
Ion Ratio Lower Upper

45 100

43 51.9 42.3 63.5

87 22.5 18.2 27.2

59 10.1 8.5 12.7



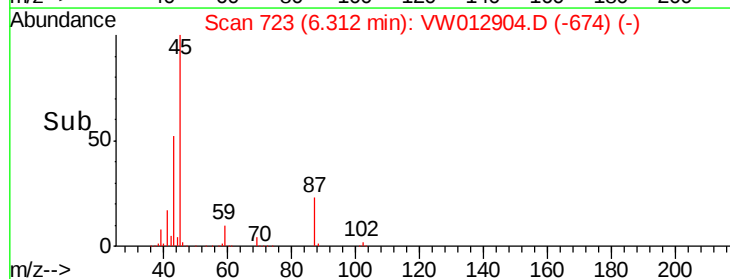
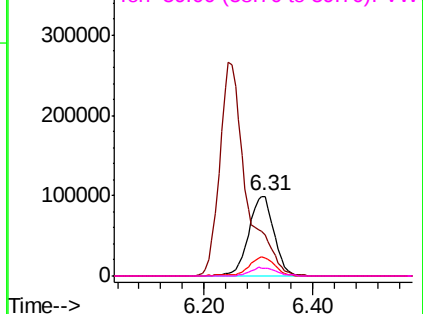
Abundance

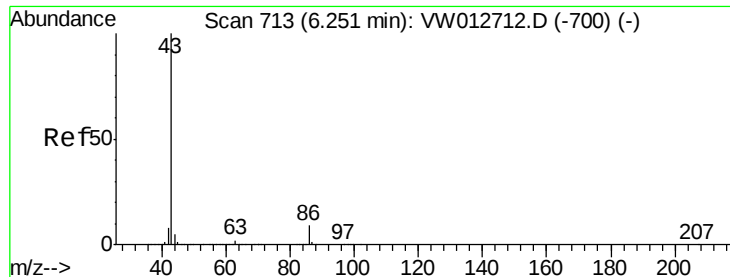
Ion 45.00 (44.70 to 45.70): VW

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

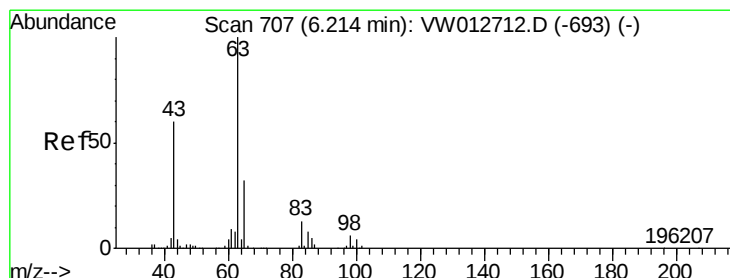
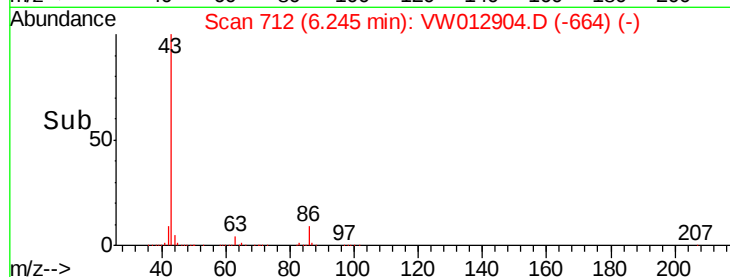
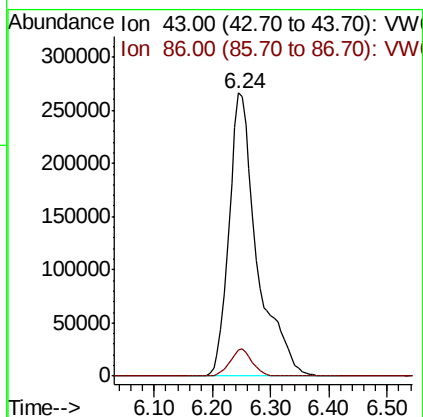
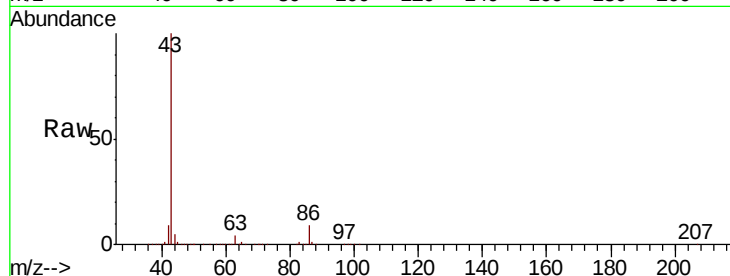




#23
 Vinyl Acetate
 Concen: 227.215 ug/l
 RT: 6.24 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VW012904.D
 Acq: 11 Sep 2019 07:30

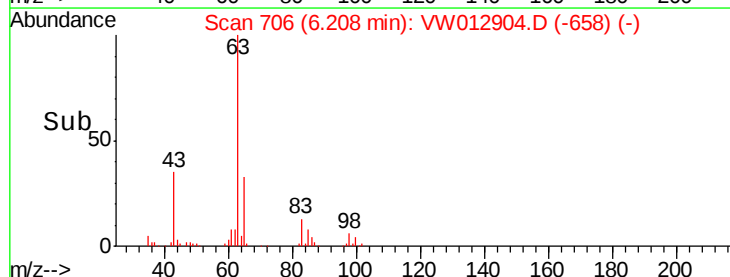
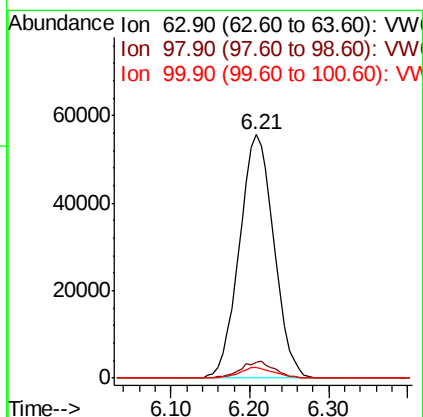
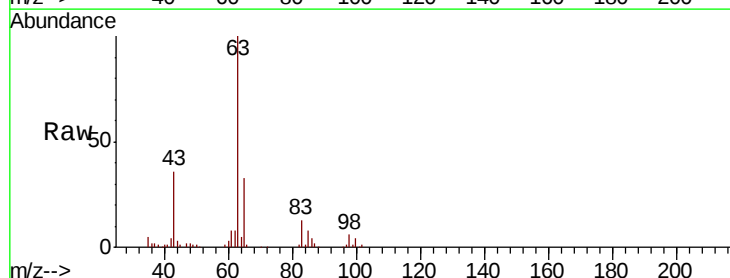
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

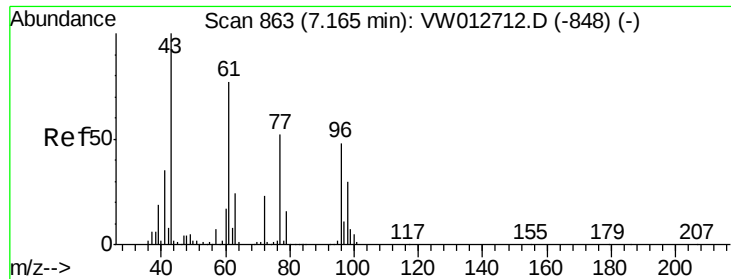
Tgt Ion: 43 Resp: 892823
 Ion Ratio Lower Upper
 43 100
 86 9.0 7.0 10.6



#24
 1,1-Dichloroethane
 Concen: 50.691 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW012904.D
 Acq: 11 Sep 2019 07:30

Tgt Ion: 63 Resp: 169233
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.1 9.3
 100 4.1 1.8 5.5

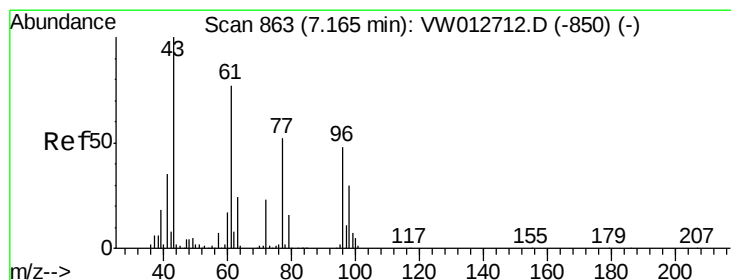
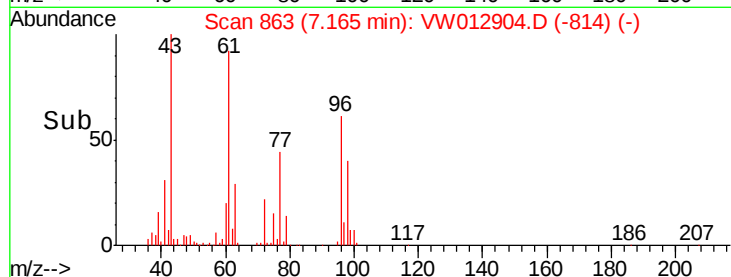
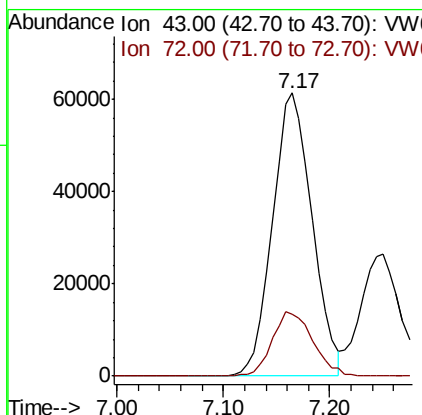
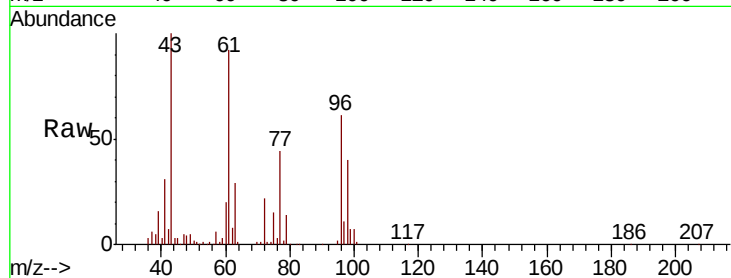




#25
 2-Butanone
 Concen: 196.260 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW012904.D
 Acq: 11 Sep 2019 07:30

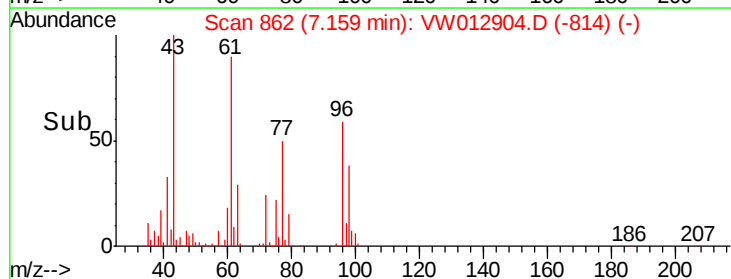
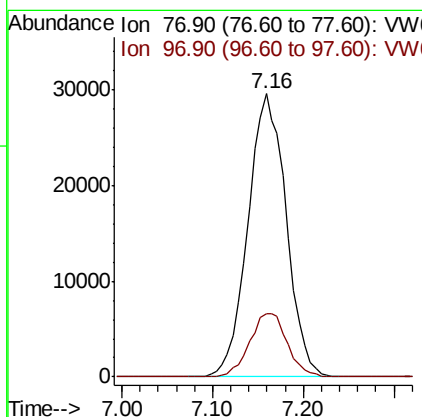
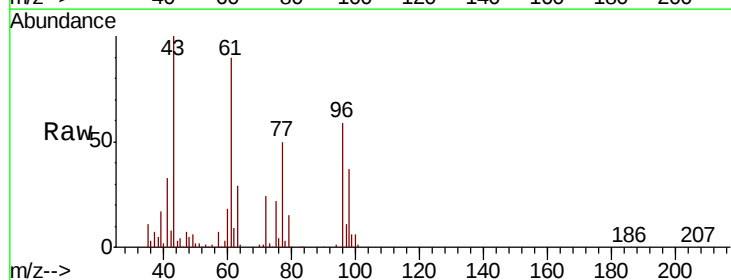
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

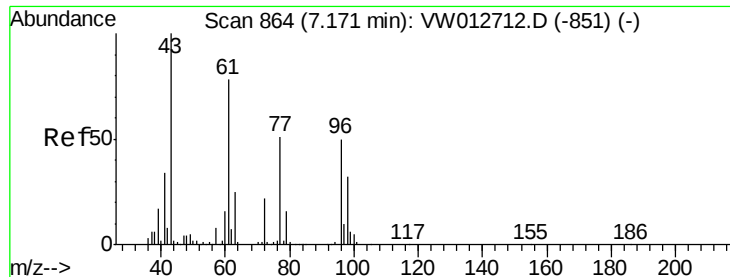
Tgt Ion: 43 Resp: 157310
 Ion Ratio Lower Upper
 43 100
 72 22.1 18.0 27.0



#26
 2,2-Dichloropropane
 Concen: 40.903 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW012904.D
 Acq: 11 Sep 2019 07:30

Tgt Ion: 77 Resp: 86247
 Ion Ratio Lower Upper
 77 100
 97 22.0 10.7 32.1



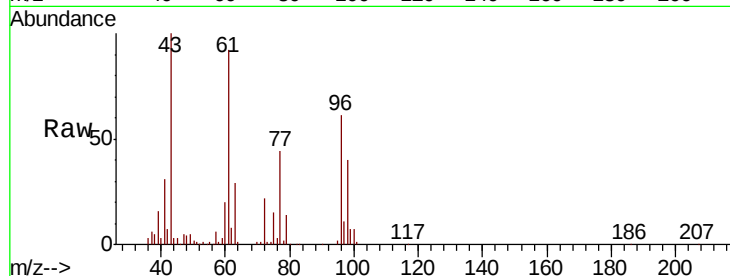


#27

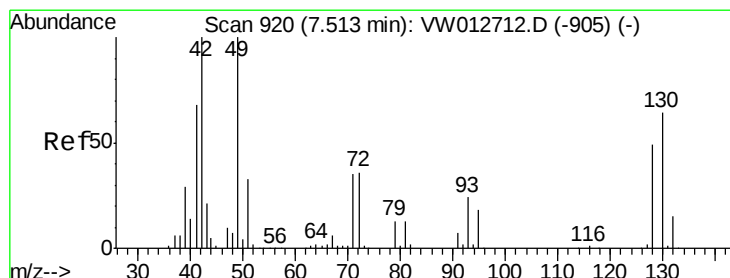
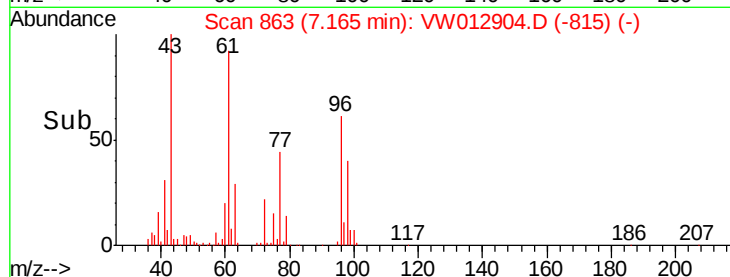
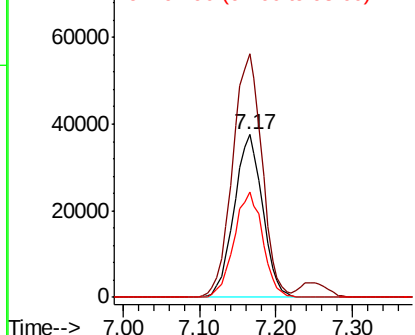
cis-1,2-Dichloroethene
 Concen: 54.360 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012904.D
 Acq: 11 Sep 2019 07:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 96 Resp: 97191
 Ion Ratio Lower Upper
 96 100
 61 153.9 0.0 325.8
 98 64.8 0.0 127.0



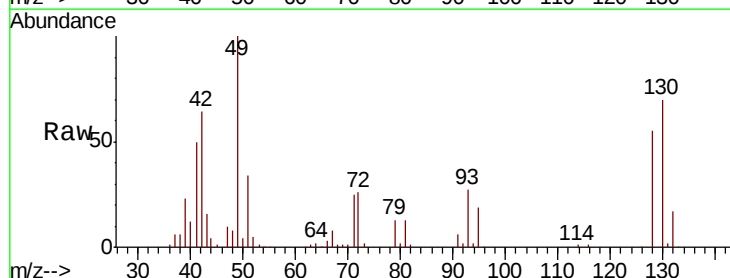
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



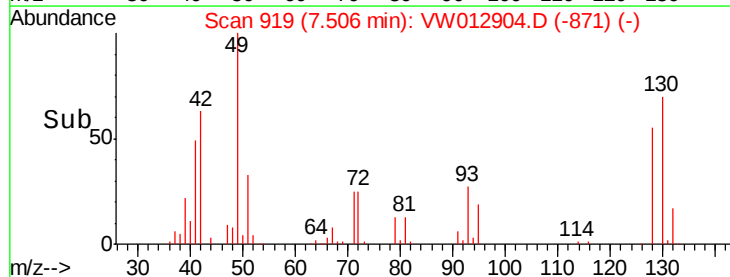
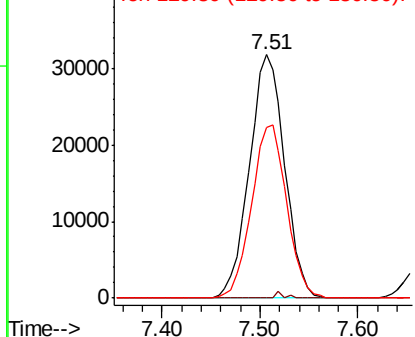
#28

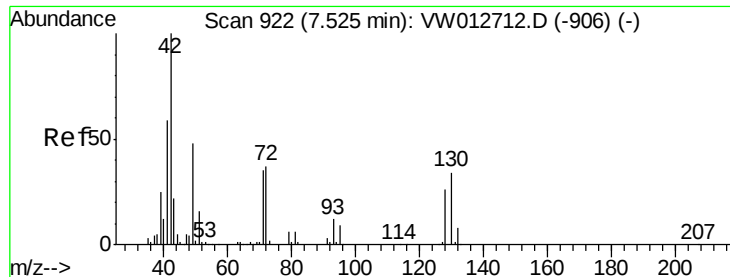
Bromochloromethane
 Concen: 51.888 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW012904.D
 Acq: 11 Sep 2019 07:30

Tgt Ion: 49 Resp: 79541
 Ion Ratio Lower Upper
 49 100
 129 0.7 0.0 0.8
 130 70.5 49.8 74.8



Abundance Ion 48.90 (48.60 to 49.60): VW
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

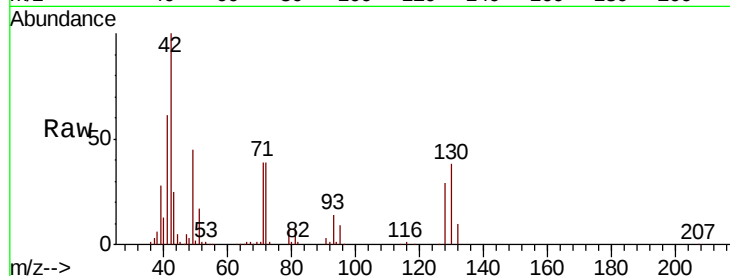




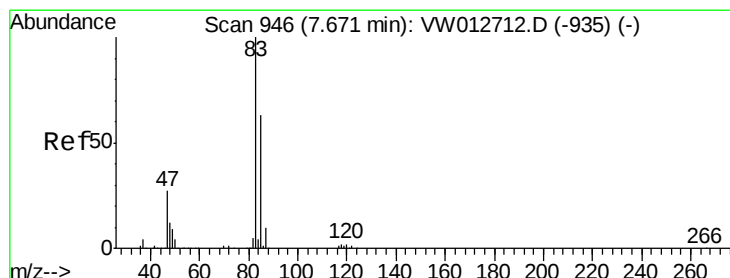
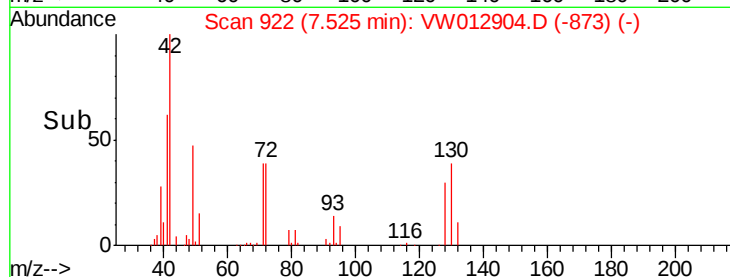
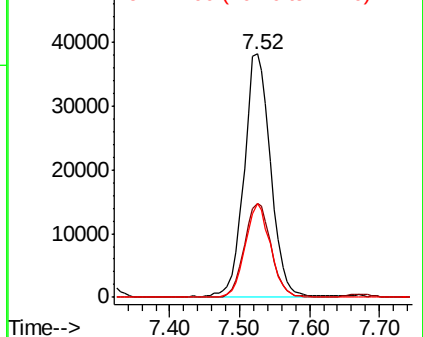
#29
Tetrahydrofuran
Concen: 224.708 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW012904.D
Acq: 11 Sep 2019 07:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 101149
Ion Ratio Lower Upper
42 100
72 38.5 28.4 42.6
71 36.5 27.1 40.7

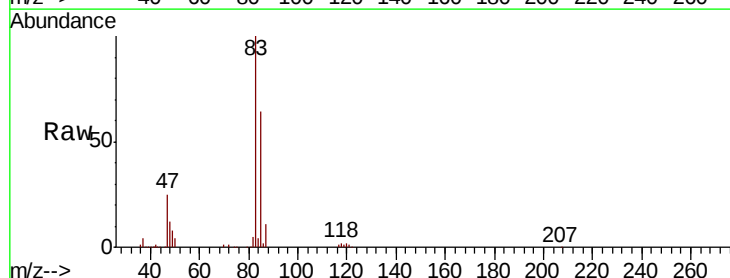


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

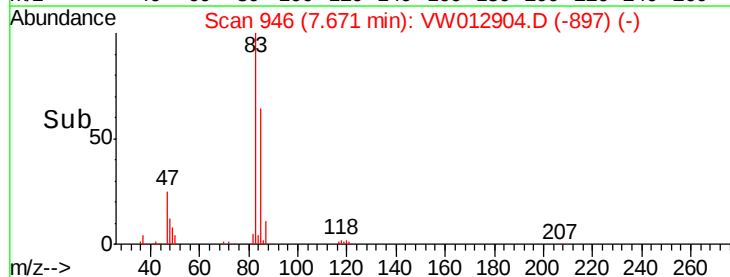
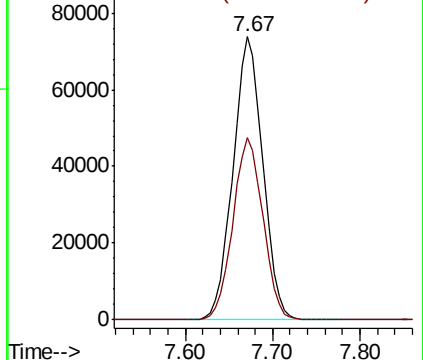


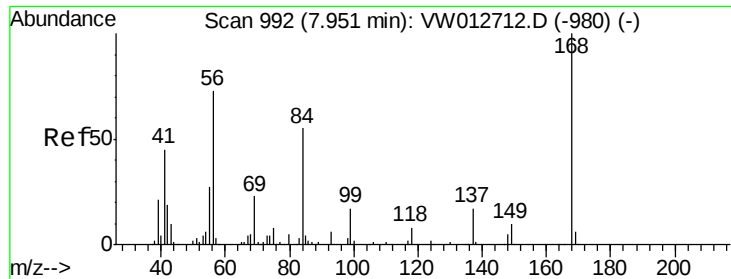
#30
Chloroform
Concen: 52.718 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW012904.D
Acq: 11 Sep 2019 07:30

Tgt Ion: 83 Resp: 174426
Ion Ratio Lower Upper
83 100
85 64.2 50.6 76.0



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

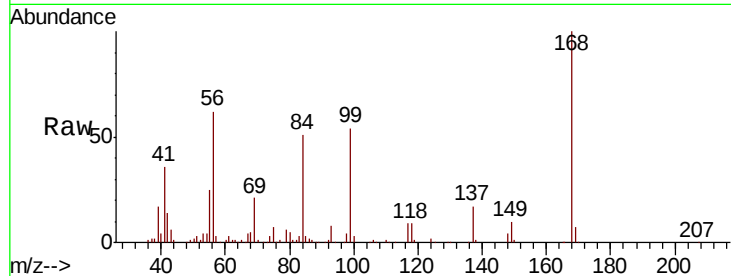




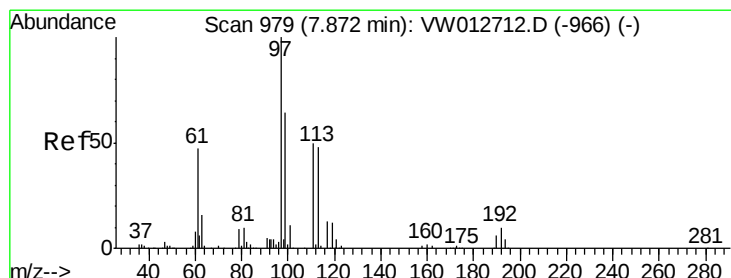
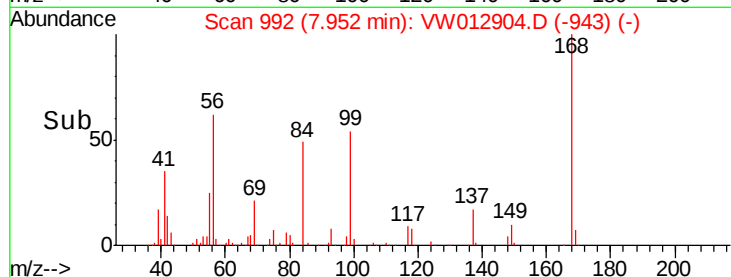
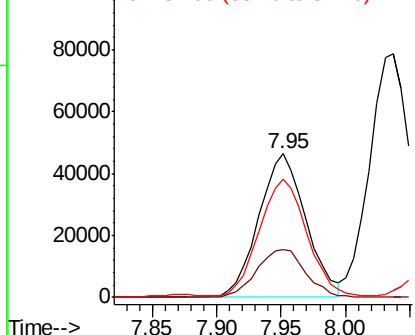
#31
Cyclohexane
Concen: 39.130 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW012904.D
Acq: 11 Sep 2019 07:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 117607
Ion Ratio Lower Upper
56 100
69 33.4 25.7 38.5
84 80.8 60.4 90.6

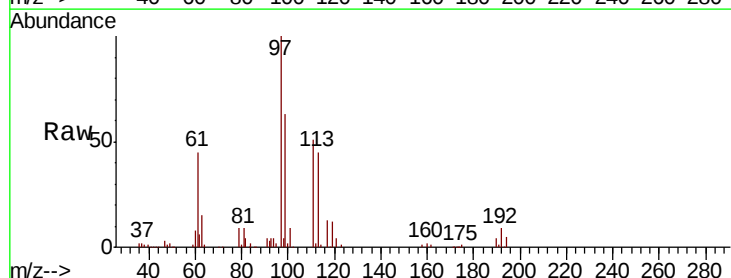


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

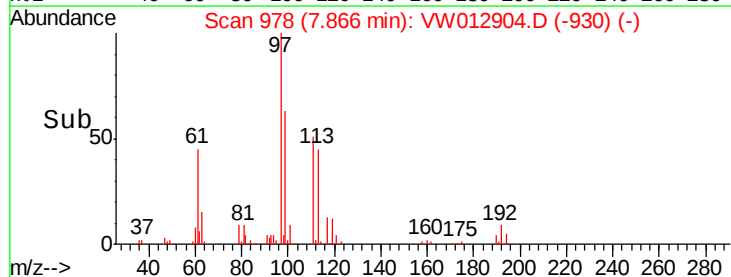
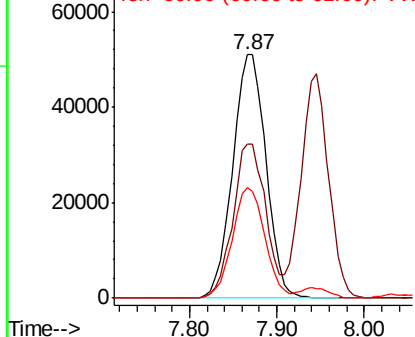


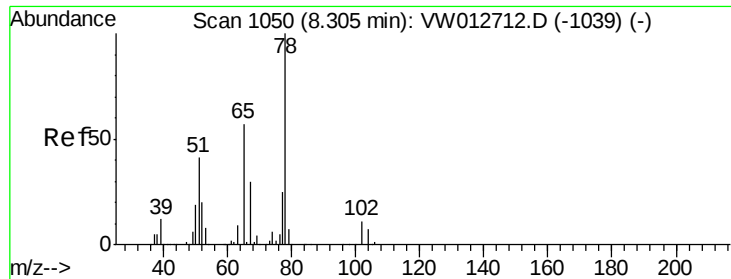
#32
1,1,1-Trichloroethane
Concen: 50.141 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW012904.D
Acq: 11 Sep 2019 07:30

Tgt Ion: 97 Resp: 134476
Ion Ratio Lower Upper
97 100
99 61.7 51.5 77.3
61 44.6 37.9 56.9



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

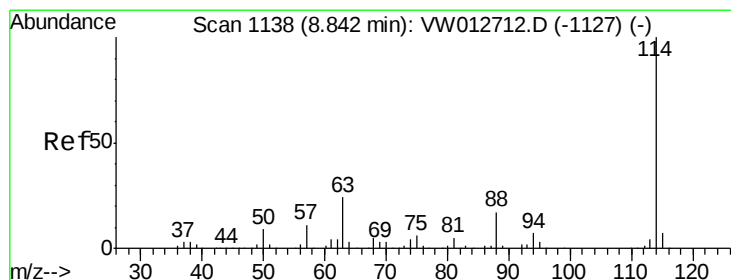
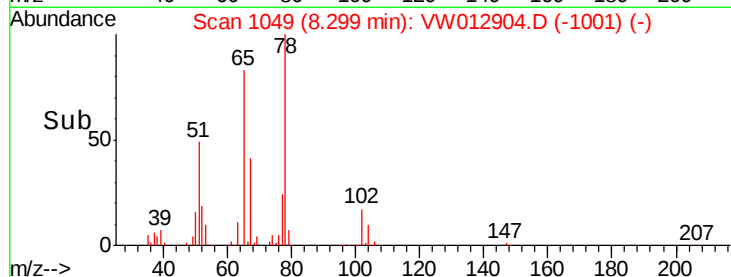
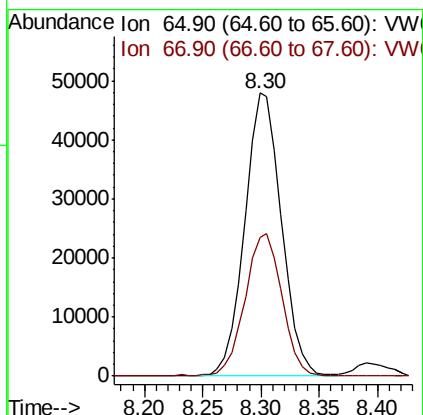
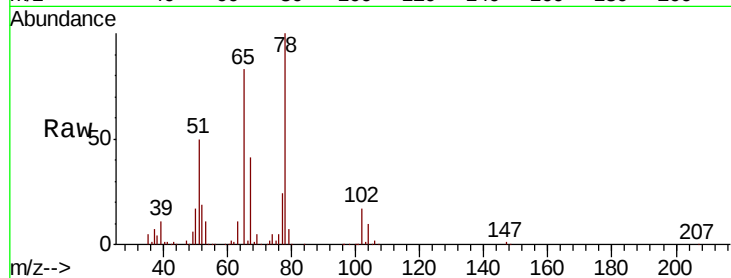




#33
 1,2-Dichloroethane-d4
 Concen: 51.568 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012904.D
 Acq: 11 Sep 2019 07:30

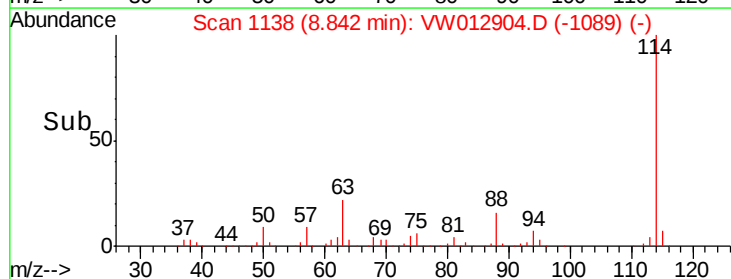
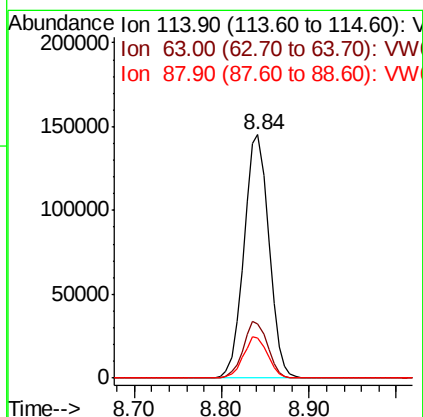
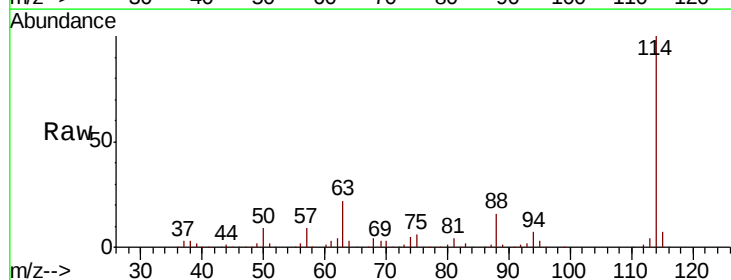
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 65 Resp: 105438
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012904.D
 Acq: 11 Sep 2019 07:30

Tgt Ion: 114 Resp: 286881
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 47.2
 88 16.5 0.0 34.0





#35

Dibromofluoromethane

Concen: 50.817 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012904.D

Acq: 11 Sep 2019 07:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

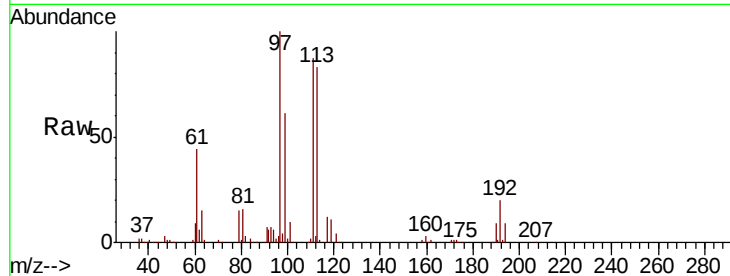
Tgt Ion:113 Resp: 86673

Ion Ratio Lower Upper

113 100

111 104.1 80.2 120.4

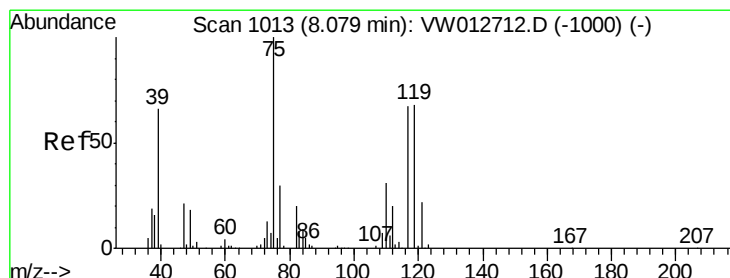
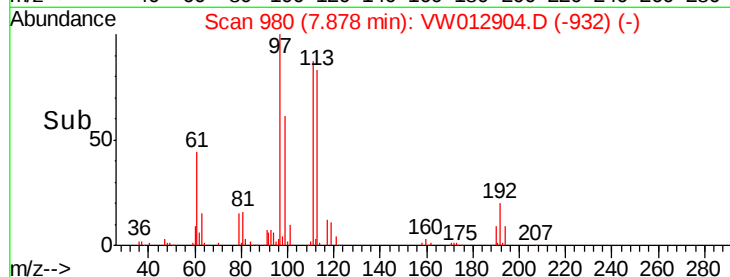
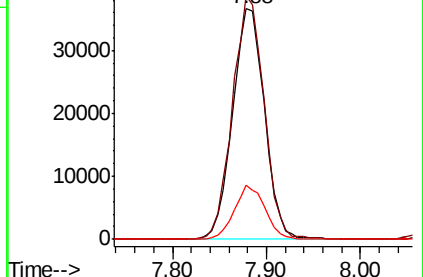
192 22.5 17.3 25.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 44.760 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW012904.D

Acq: 11 Sep 2019 07:30

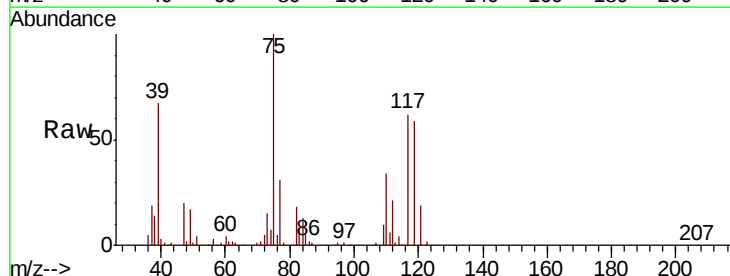
Tgt Ion: 75 Resp: 114095

Ion Ratio Lower Upper

75 100

110 33.0 15.9 47.7

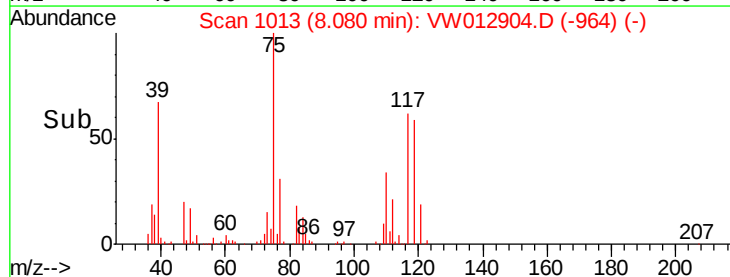
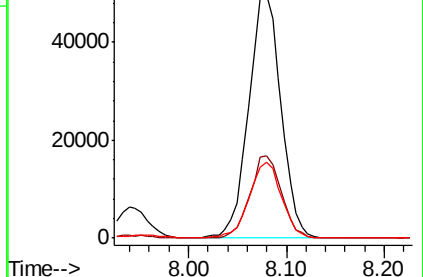
77 31.1 25.0 37.4

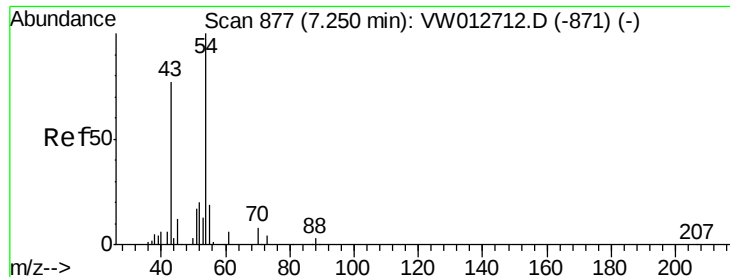


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

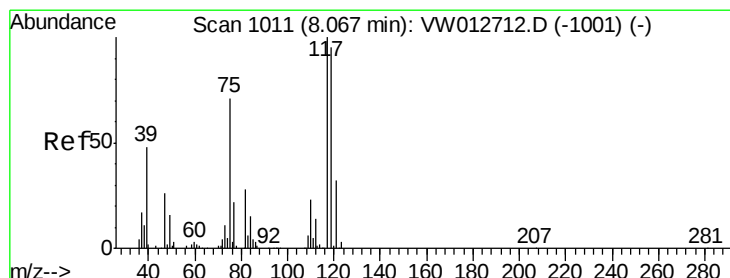
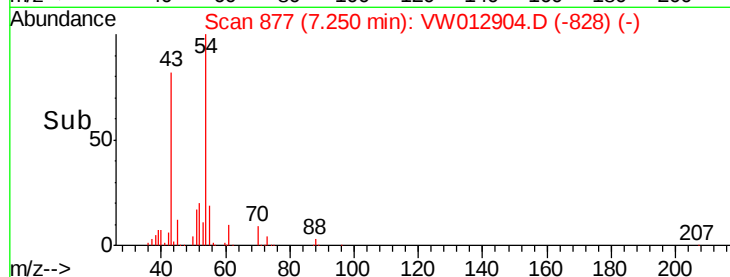
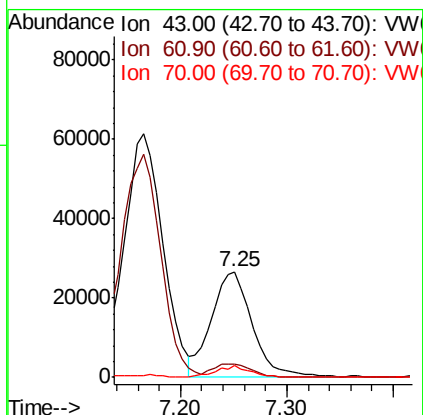
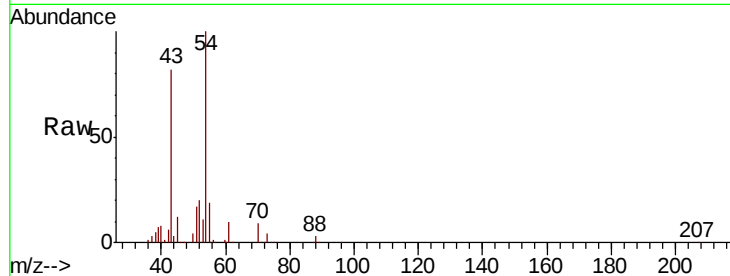




#37
 Ethyl Acetate
 Concen: 42.935 ug/l
 RT: 7.25 min Scan# 877
 Delta R.T. 0.00 min
 Lab File: VW012904.D
 Acq: 11 Sep 2019 07:30

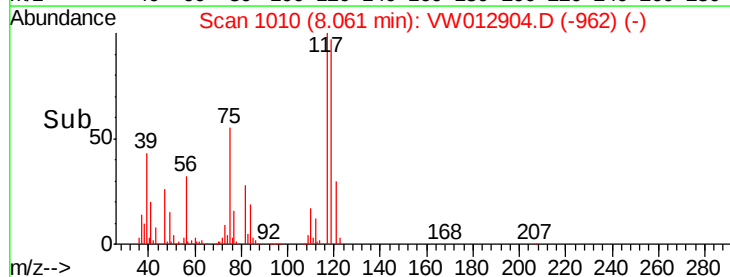
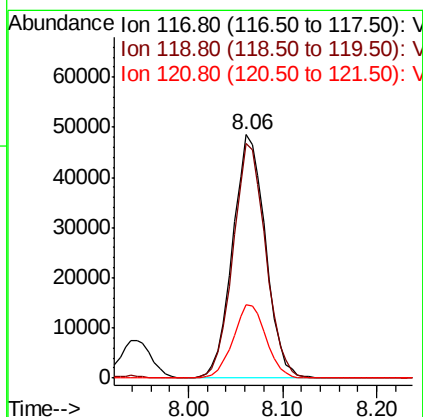
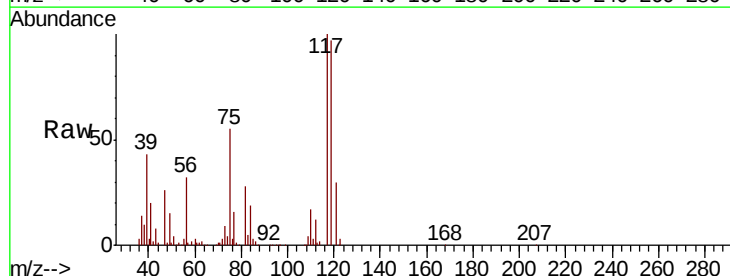
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

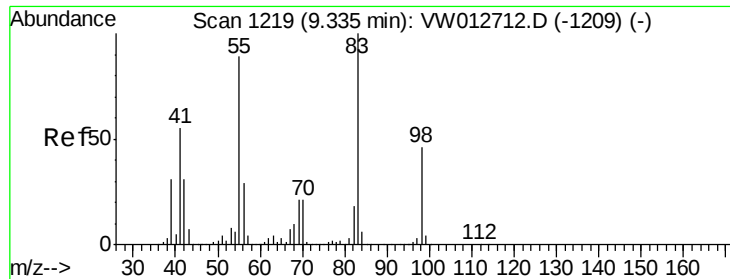
Tgt Ion: 43 Resp: 69766
 Ion Ratio Lower Upper
 43 100
 61 12.4 9.5 14.3
 70 9.4 7.0 10.6



#38
 Carbon Tetrachloride
 Concen: 46.943 ug/l
 RT: 8.06 min Scan# 1010
 Delta R.T. -0.01 min
 Lab File: VW012904.D
 Acq: 11 Sep 2019 07:30

Tgt Ion: 117 Resp: 117953
 Ion Ratio Lower Upper
 117 100
 119 96.6 76.2 114.2
 121 30.2 25.4 38.2

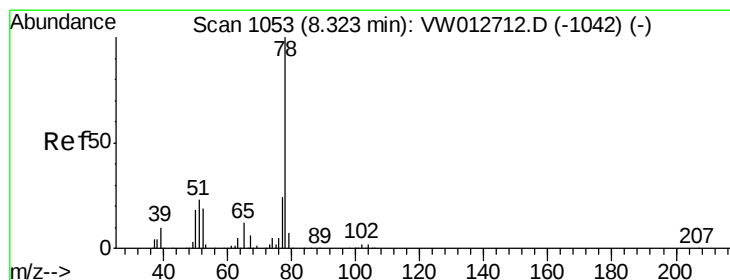
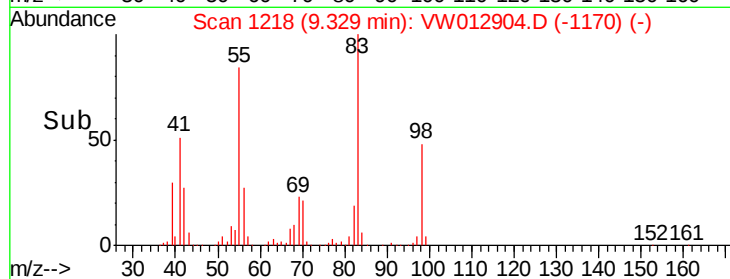
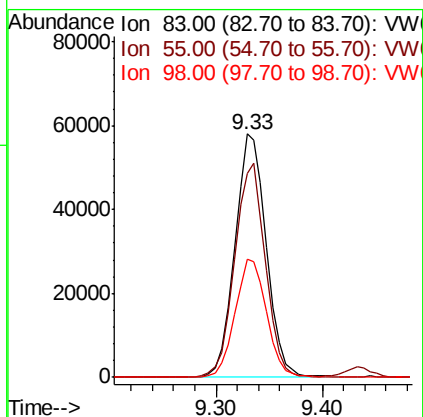
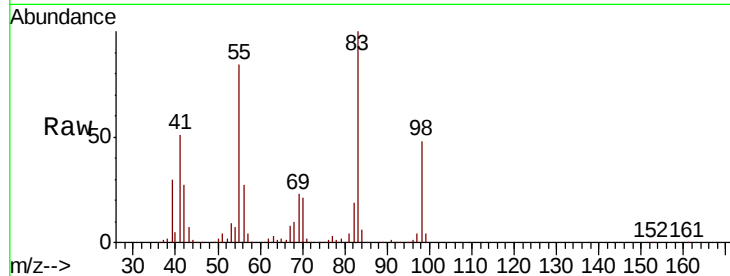




#39
Methylcyclohexane
Concen: 41.781 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW012904.D
Acq: 11 Sep 2019 07:30

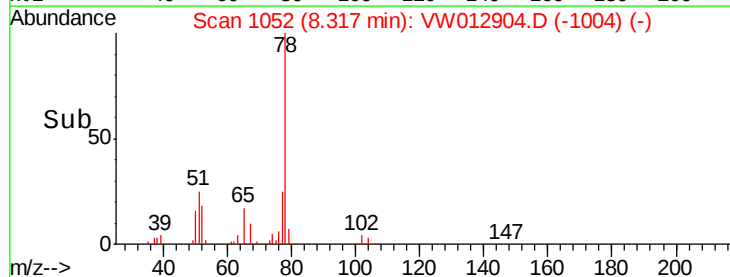
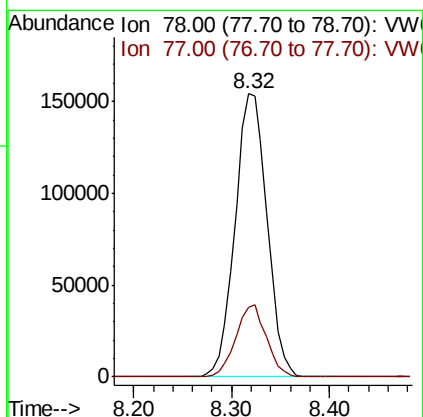
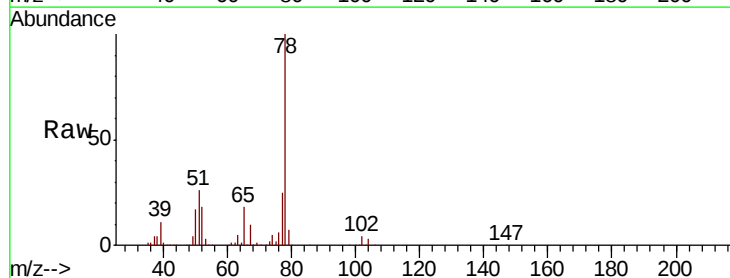
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

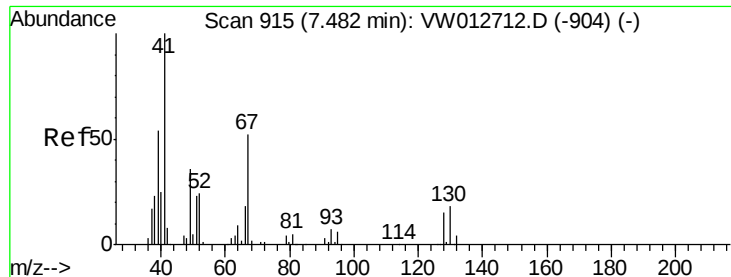
Tgt Ion: 83 Resp: 119613
Ion Ratio Lower Upper
83 100
55 83.4 71.0 106.4
98 48.4 36.9 55.3



#40
Benzene
Concen: 49.479 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW012904.D
Acq: 11 Sep 2019 07:30

Tgt Ion: 78 Resp: 349930
Ion Ratio Lower Upper
78 100
77 24.8 19.3 28.9

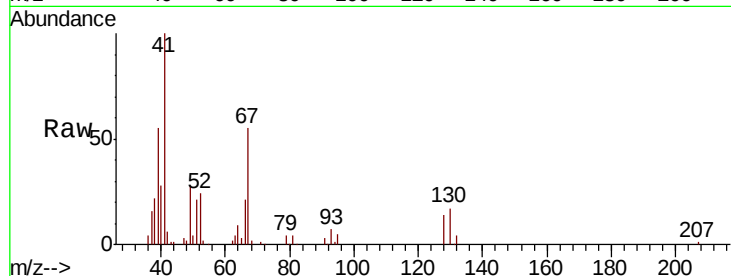




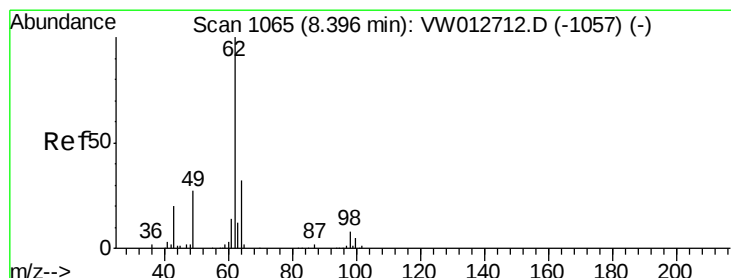
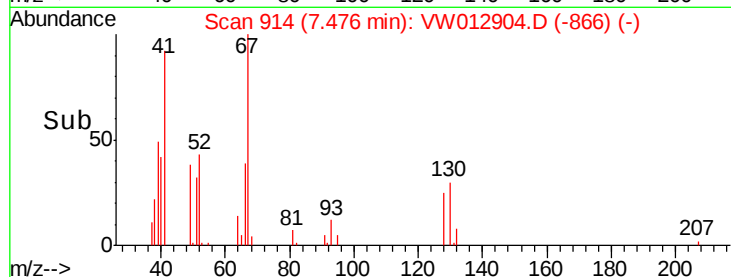
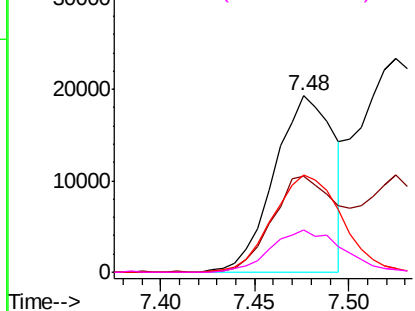
#41
Methacrylonitrile
Concen: 39.369 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW012904.D
Acq: 11 Sep 2019 07:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:	41	Resp:	42510
Ion	Ratio	Lower	Upper
41	100		
39	60.9	47.5	71.3
67	64.1	45.1	67.7
52	29.2	20.2	30.2

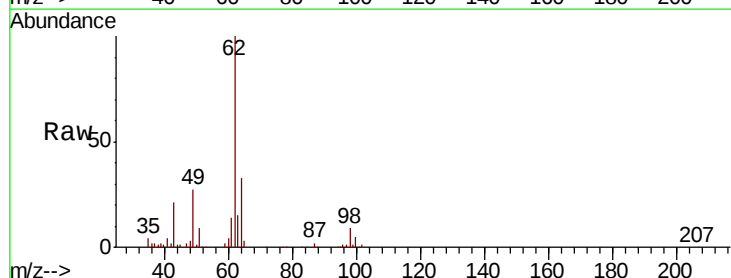


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

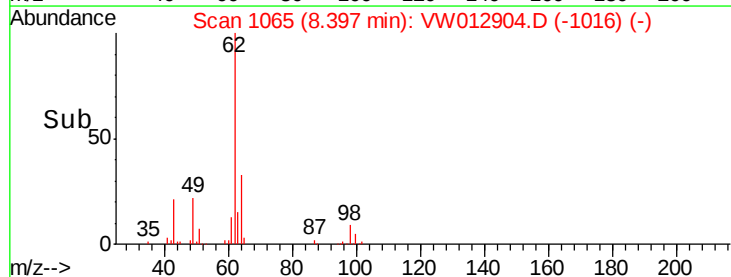
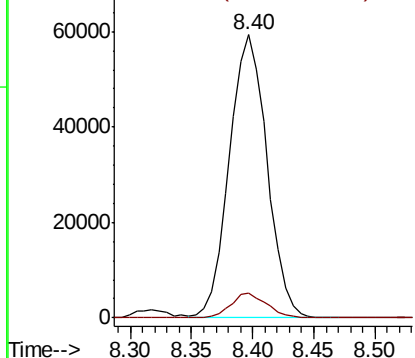


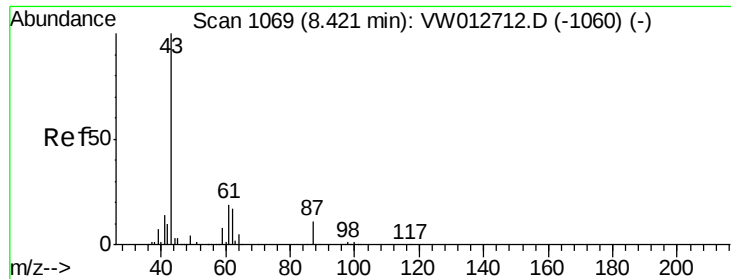
#42
1,2-Dichloroethane
Concen: 50.804 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW012904.D
Acq: 11 Sep 2019 07:30

Tgt Ion:	62	Resp:	126451
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.2



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

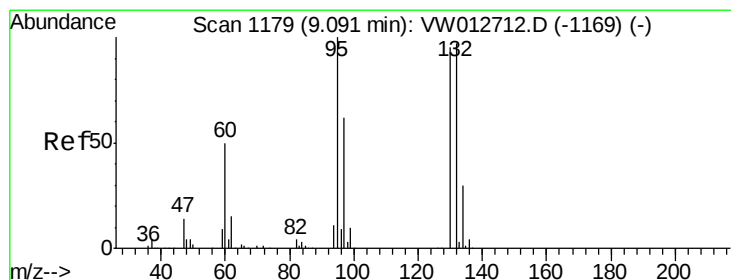
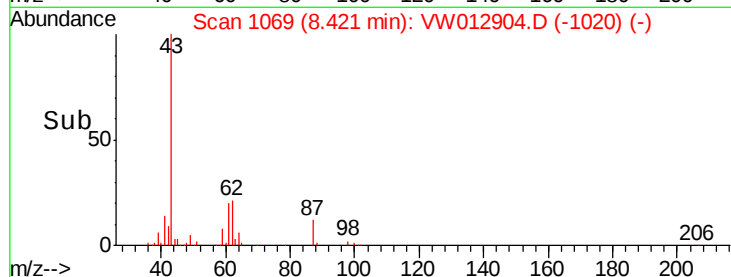
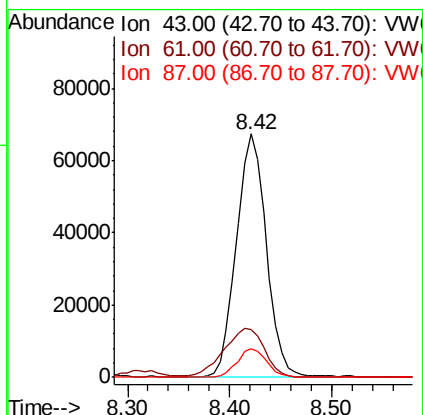
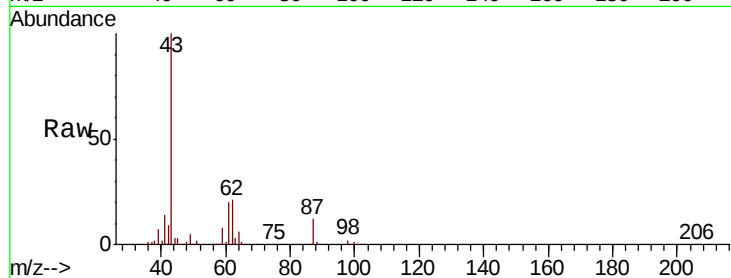




#43
Isopropyl Acetate
Concen: 44.497 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VW012904.D
Acq: 11 Sep 2019 07:30

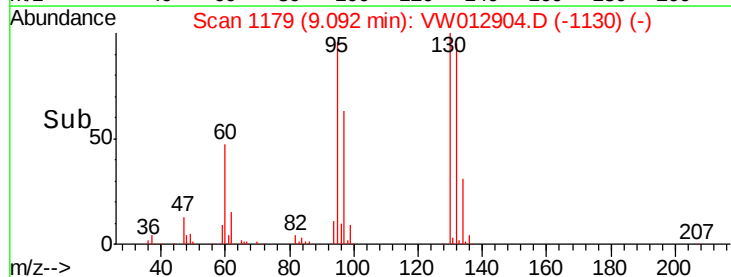
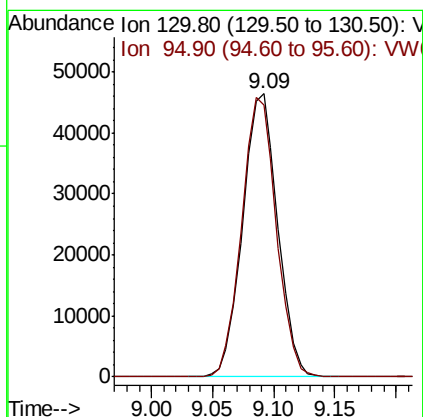
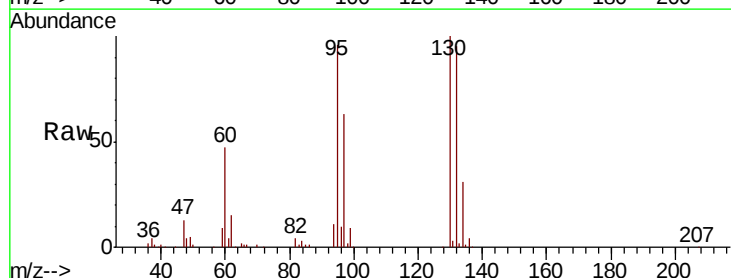
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

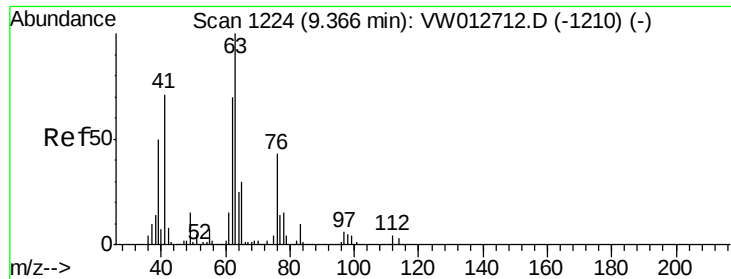
Tgt Ion: 43 Resp: 136984
Ion Ratio Lower Upper
43 100
61 27.5 20.6 30.8
87 11.6 8.6 13.0



#44
Trichloroethene
Concen: 50.611 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW012904.D
Acq: 11 Sep 2019 07:30

Tgt Ion: 130 Resp: 92265
Ion Ratio Lower Upper
130 100
95 96.2 0.0 210.6

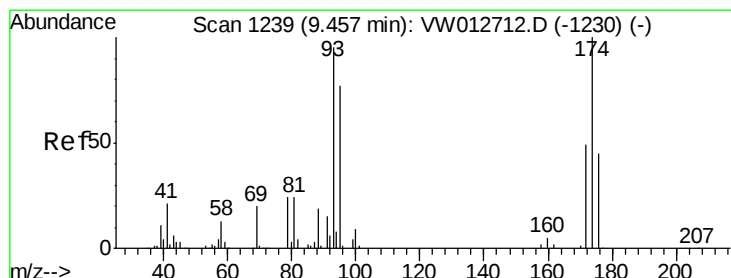
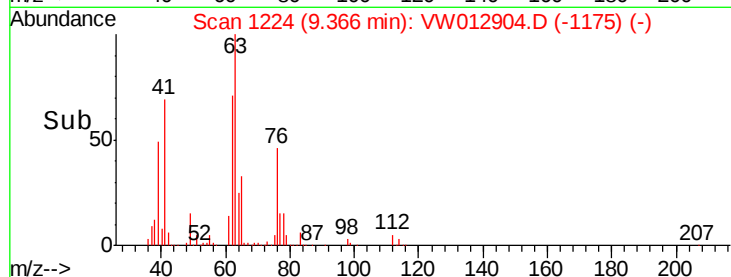
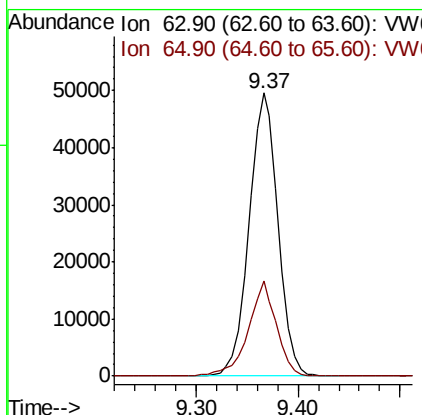
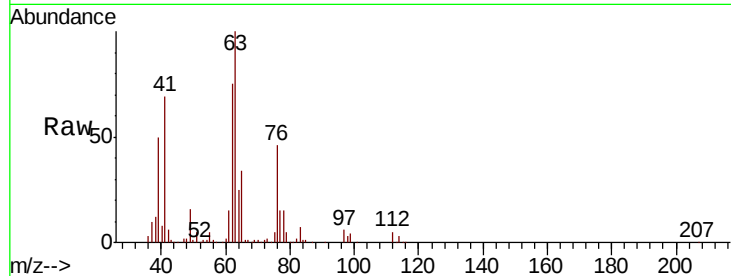




#45
 1,2-Dichloropropane
 Concen: 49.797 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW012904.D
 Acq: 11 Sep 2019 07:30

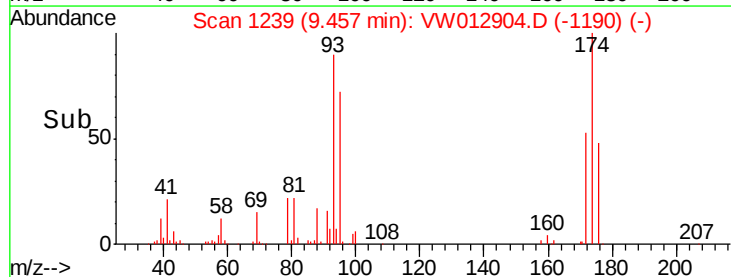
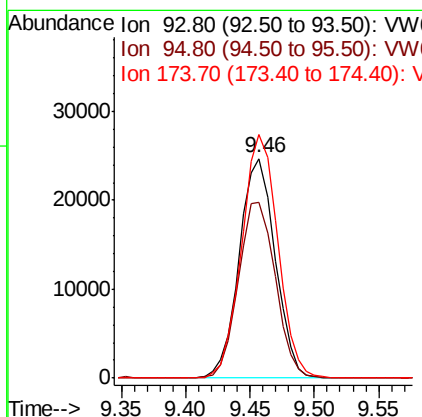
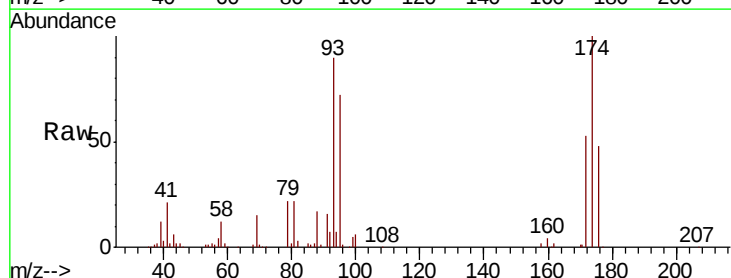
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

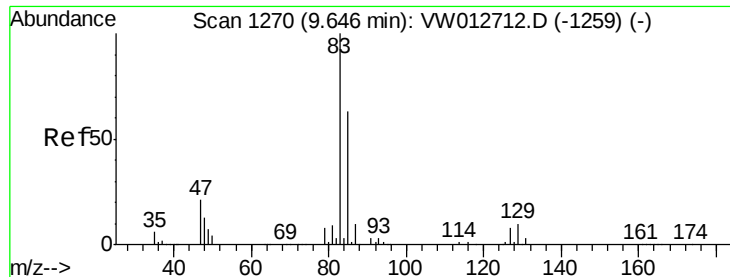
Tgt Ion: 63 Resp: 97678
 Ion Ratio Lower Upper
 63 100
 65 33.7 23.8 35.8



#46
 Dibromomethane
 Concen: 51.454 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW012904.D
 Acq: 11 Sep 2019 07:30

Tgt Ion: 93 Resp: 47793
 Ion Ratio Lower Upper
 93 100
 95 82.6 65.2 97.8
 174 111.2 84.2 126.4





#47

Bromodichloromethane

Concen: 51.951 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012904.D

Acq: 11 Sep 2019 07:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

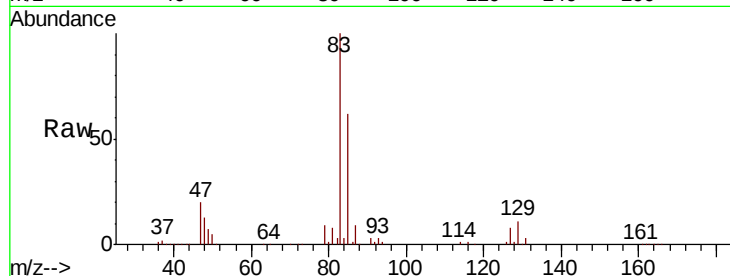
Tgt Ion: 83 Resp: 132759

Ion Ratio Lower Upper

83 100

85 61.7 50.2 75.2

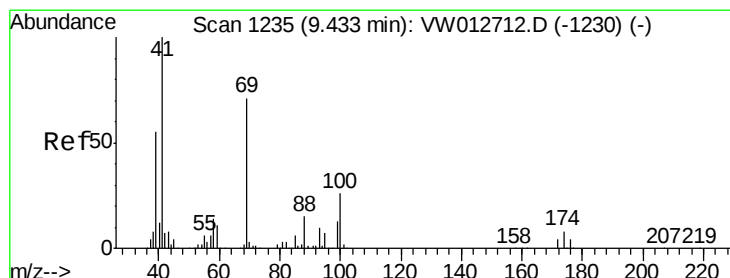
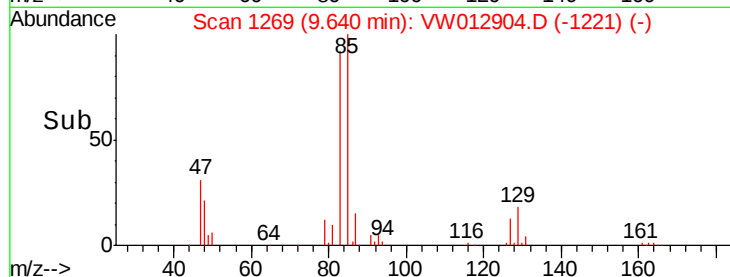
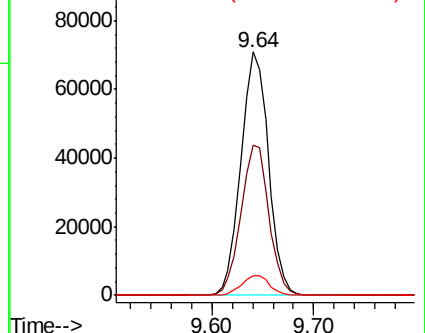
127 8.0 6.6 9.8



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: 47.786 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW012904.D

Acq: 11 Sep 2019 07:30

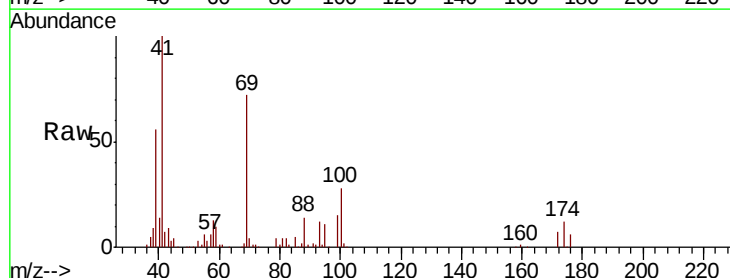
Tgt Ion: 41 Resp: 70302

Ion Ratio Lower Upper

41 100

69 71.7 59.8 89.8

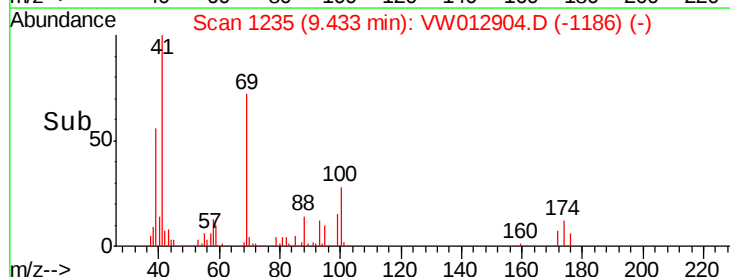
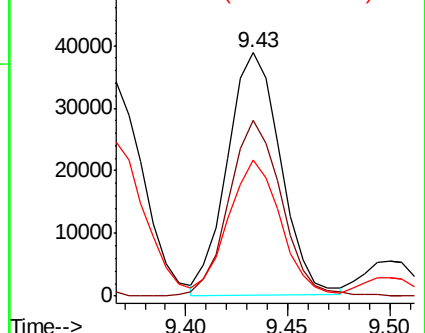
39 55.4 47.0 70.6

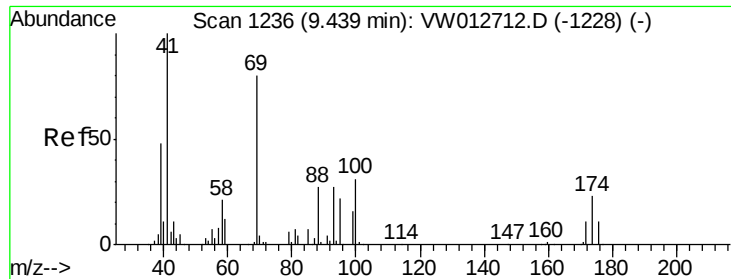


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

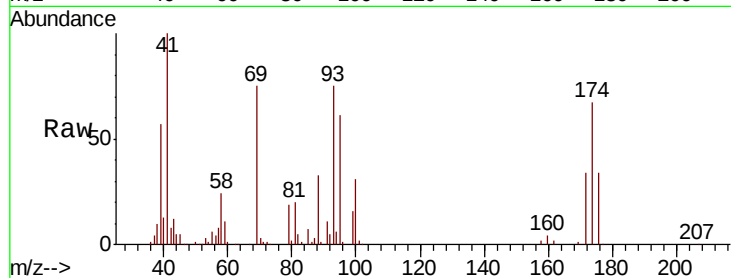




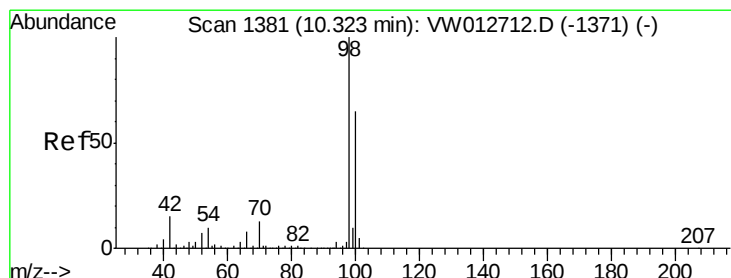
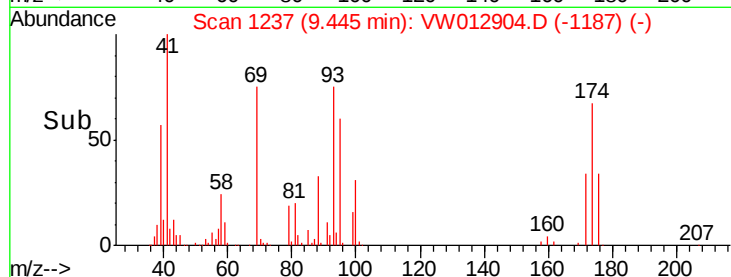
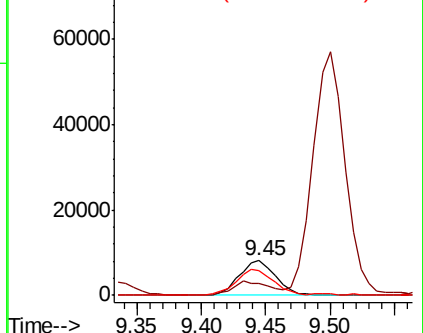
#49
 1,4-Dioxane
 Concen: 876.303 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. 0.01 min
 Lab File: VW012904.D
 Acq: 11 Sep 2019 07:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 88 Resp: 16078
 Ion Ratio Lower Upper
 88 100
 43 39.9 34.8 52.2
 58 77.0 64.1 96.1

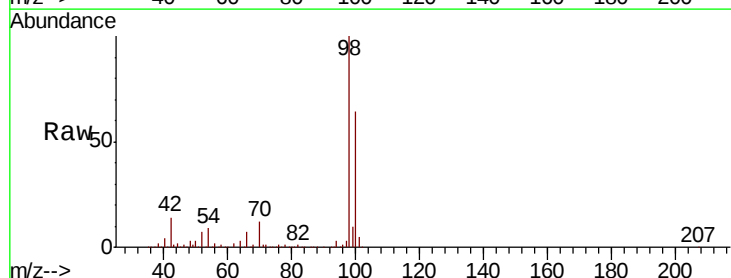


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

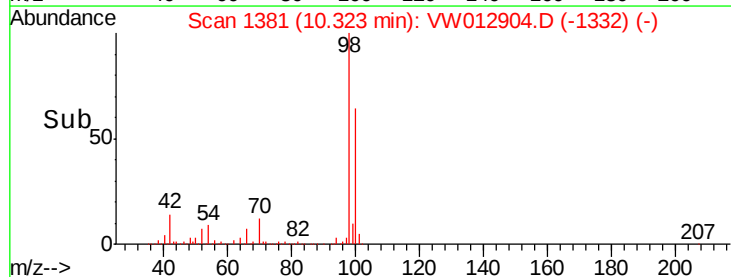
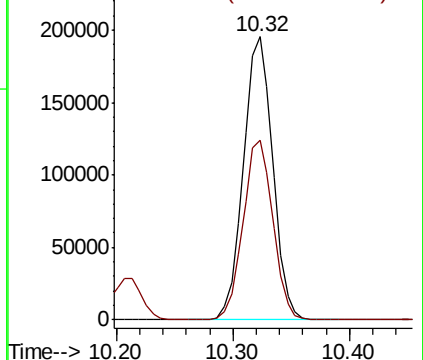


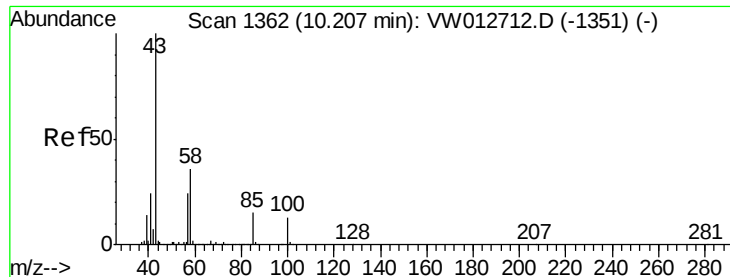
#50
 Toluene-d8
 Concen: 51.329 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW012904.D
 Acq: 11 Sep 2019 07:30

Tgt Ion: 98 Resp: 342988
 Ion Ratio Lower Upper
 98 100
 100 64.7 52.2 78.4



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

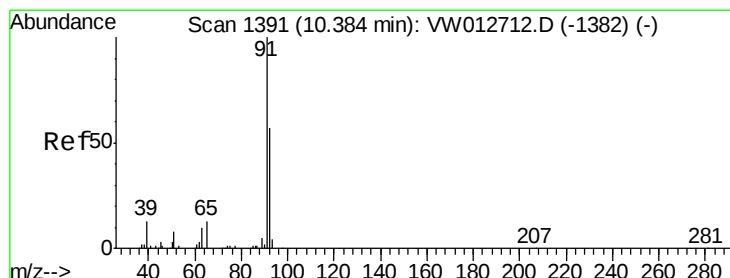
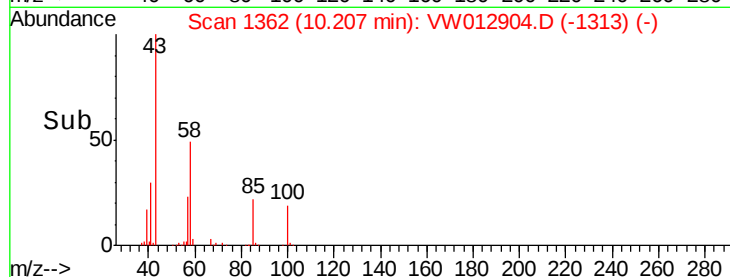
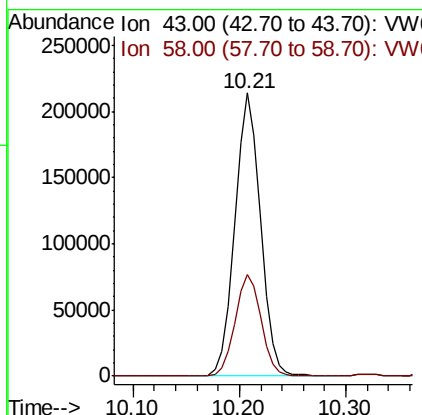
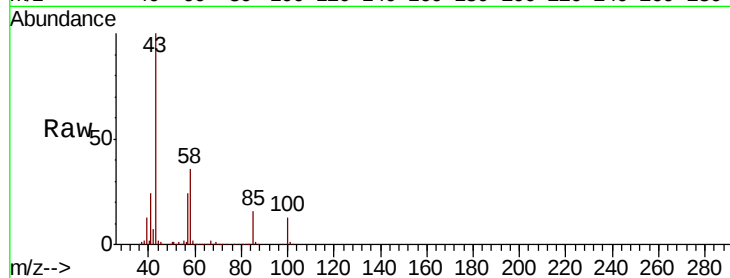




#51
 4-Methyl-2-Pentanone
 Concen: 223.468 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW012904.D
 Acq: 11 Sep 2019 07:30

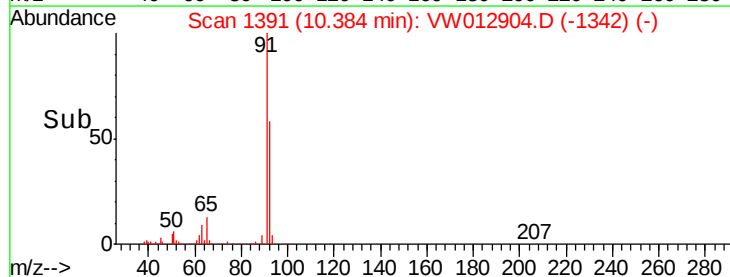
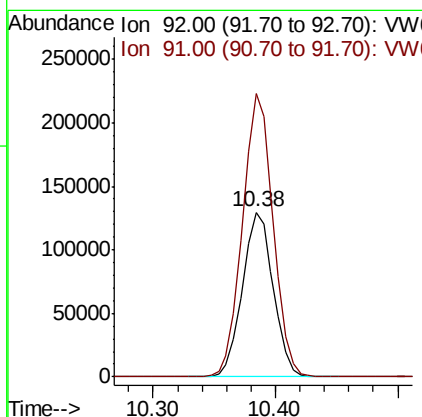
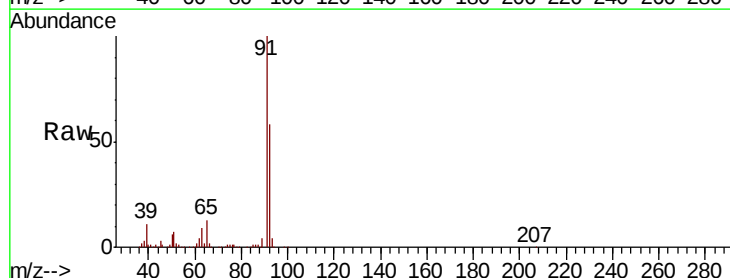
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

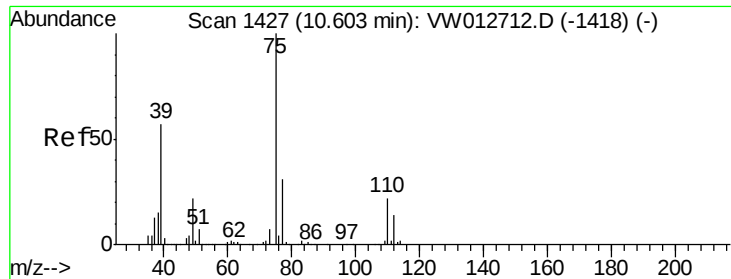
Tgt Ion: 43 Resp: 360989
 Ion Ratio Lower Upper
 43 100
 58 36.4 28.4 42.6



#52
 Toluene
 Concen: 51.172 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW012904.D
 Acq: 11 Sep 2019 07:30

Tgt Ion: 92 Resp: 225876
 Ion Ratio Lower Upper
 92 100
 91 171.1 137.0 205.4





#53

t-1,3-Dichloropropene

Concen: 48.995 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW012904.D

Acq: 11 Sep 2019 07:30

Instrument :

MSVOA_W

ClientSampleId :

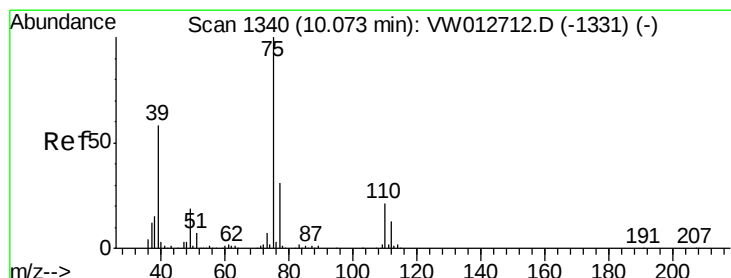
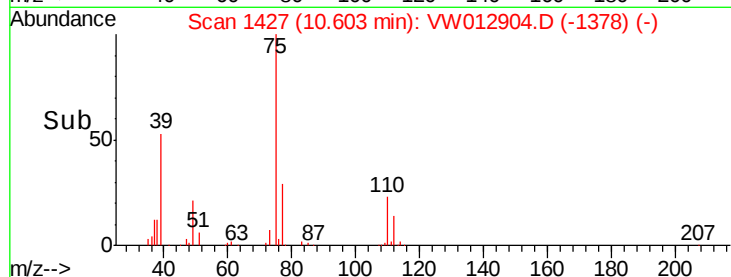
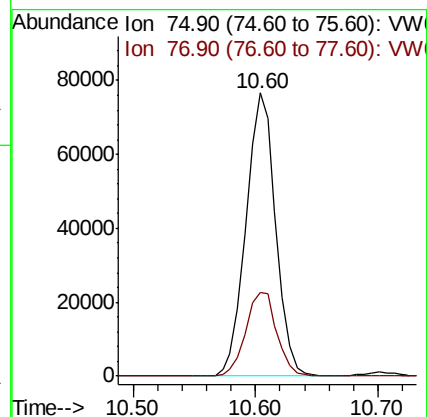
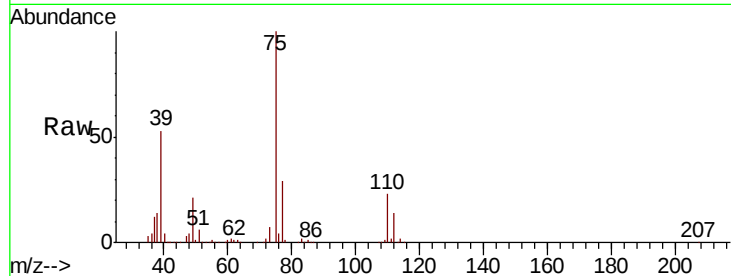
VSTDCCC050EC

Tgt Ion: 75 Resp: 128745

Ion Ratio Lower Upper

75 100

77 29.4 24.7 37.1



#54

cis-1,3-Dichloropropene

Concen: 48.711 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW012904.D

Acq: 11 Sep 2019 07:30

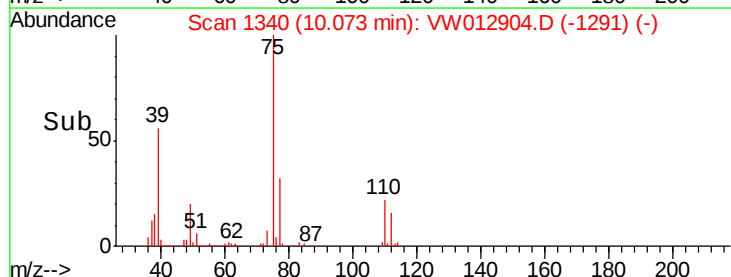
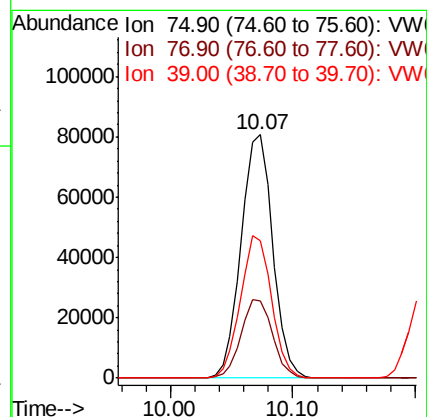
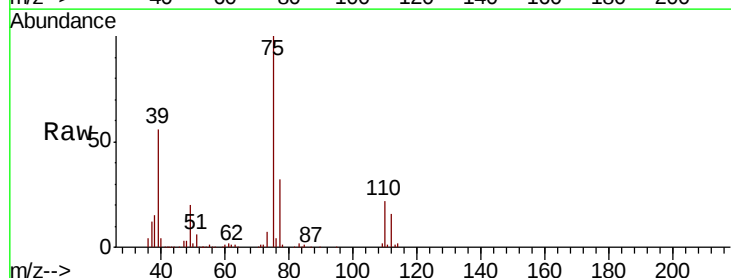
Tgt Ion: 75 Resp: 145206

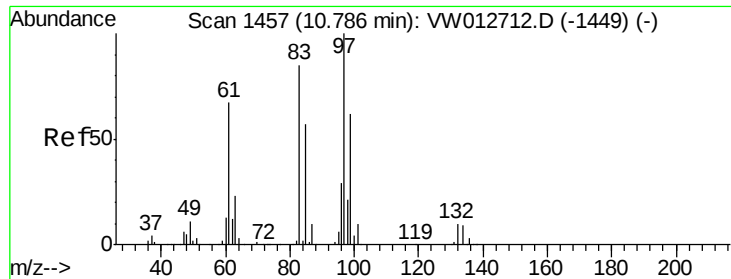
Ion Ratio Lower Upper

75 100

77 31.7 24.6 36.8

39 56.1 46.3 69.5

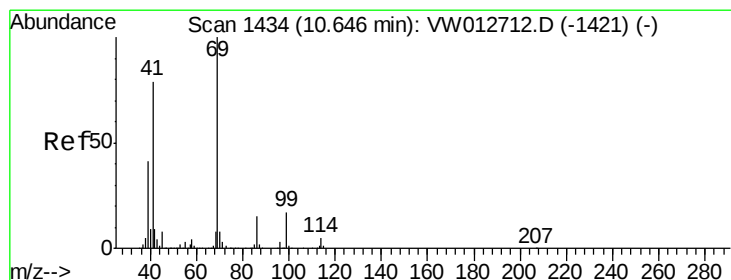
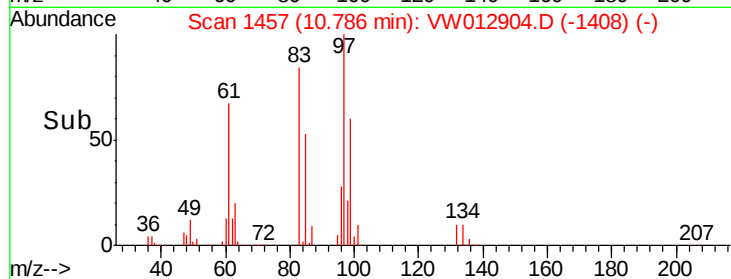
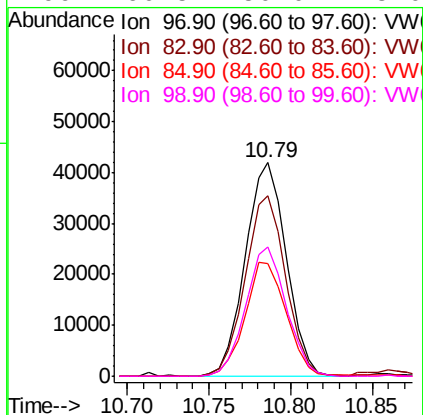
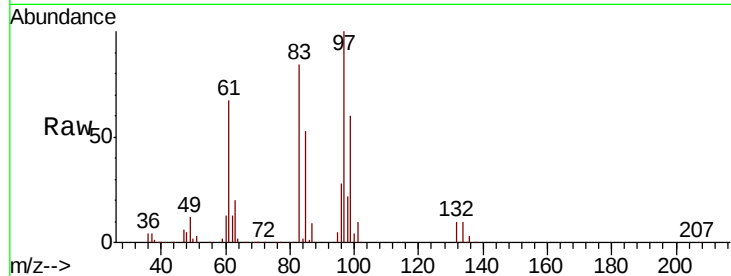




#55
 1,1,2-Trichloroethane
 Concen: 52.578 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW012904.D
 Acq: 11 Sep 2019 07:30

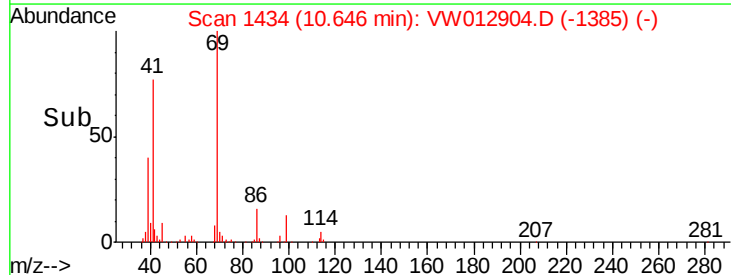
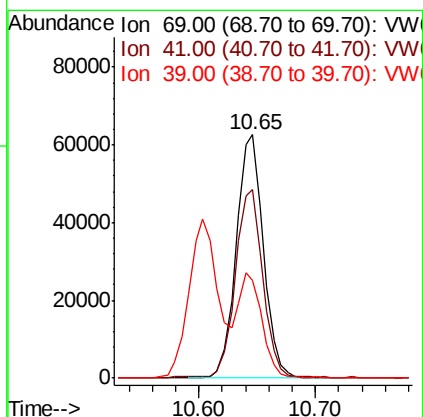
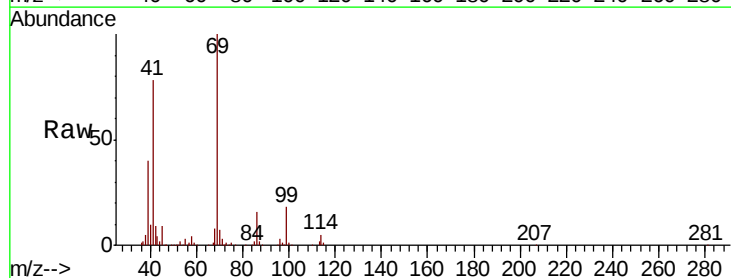
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

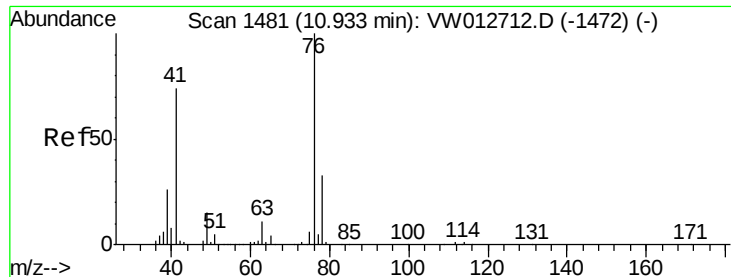
Tgt Ion:	97	Resp:	73115
Ion	Ratio	Lower	Upper
97	100		
83	84.5	68.1	102.1
85	52.5	45.3	67.9
99	60.5	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 49.831 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW012904.D
 Acq: 11 Sep 2019 07:30

Tgt Ion:	69	Resp:	101434
Ion	Ratio	Lower	Upper
69	100		
41	79.7	64.4	96.6
39	36.8	31.1	46.7





#57

1,3-Dichloropropane

Concen: 50.472 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW012904.D

Acq: 11 Sep 2019 07:30

Instrument :

MSVOA_W

ClientSampleId :

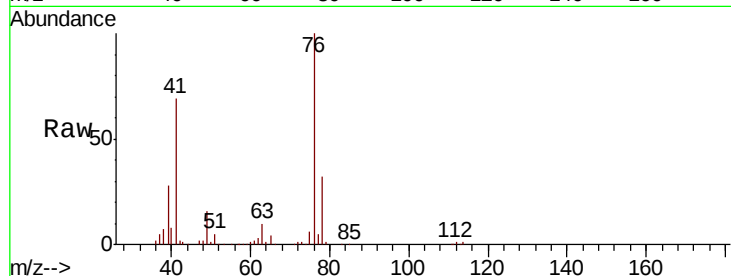
VSTDCCC050EC

Tgt Ion: 76 Resp: 129845

Ion Ratio Lower Upper

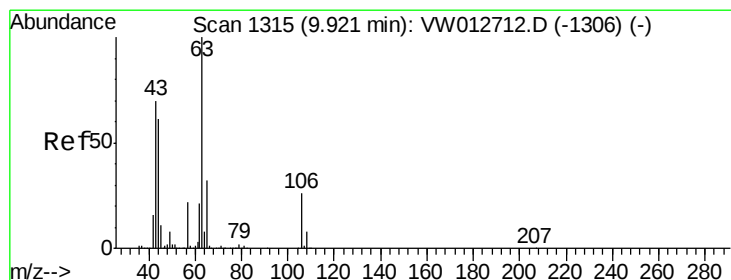
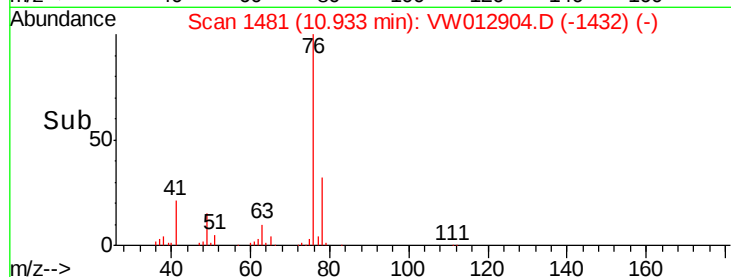
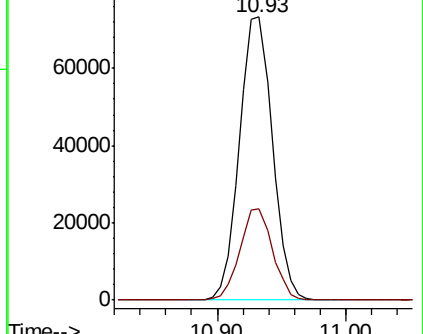
76 100

78 32.0 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#58

2-Chloroethyl Vinyl ether

Concen: 244.157 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW012904.D

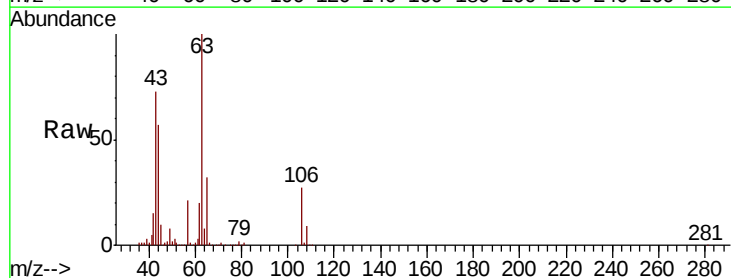
Acq: 11 Sep 2019 07:30

Tgt Ion: 63 Resp: 263847

Ion Ratio Lower Upper

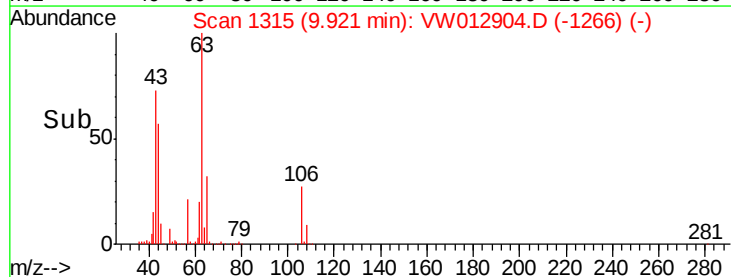
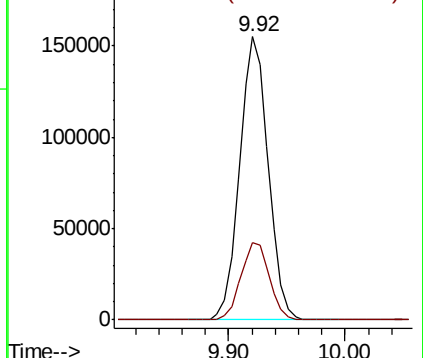
63 100

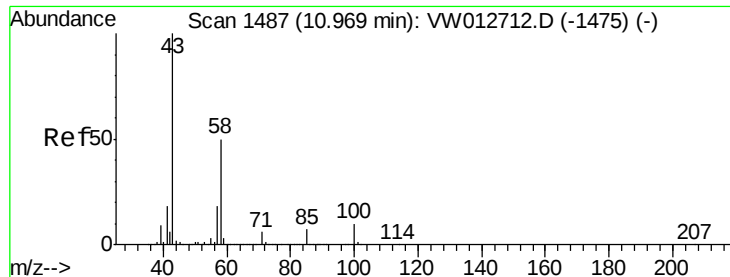
106 27.6 20.5 30.7



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

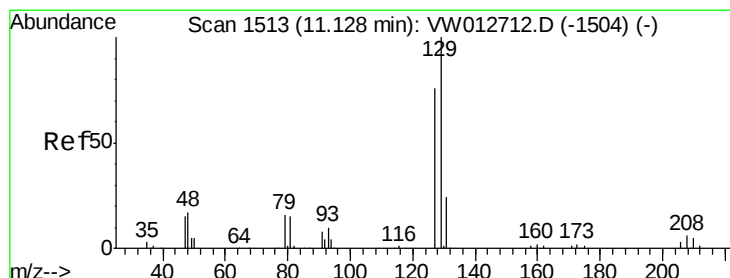
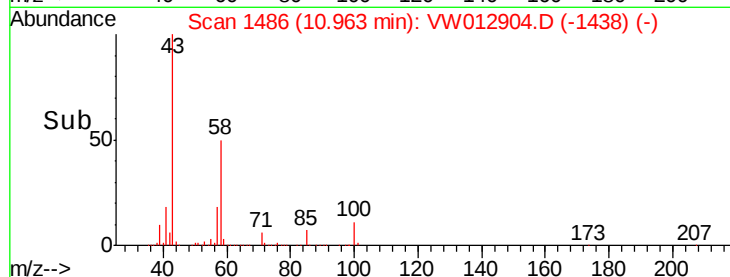
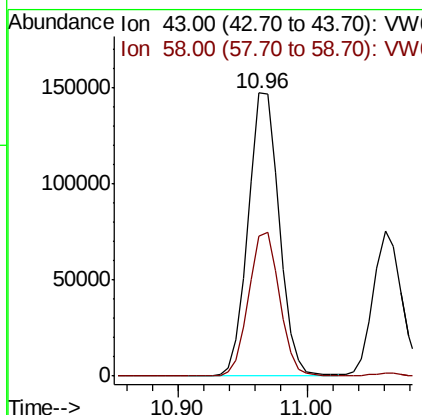
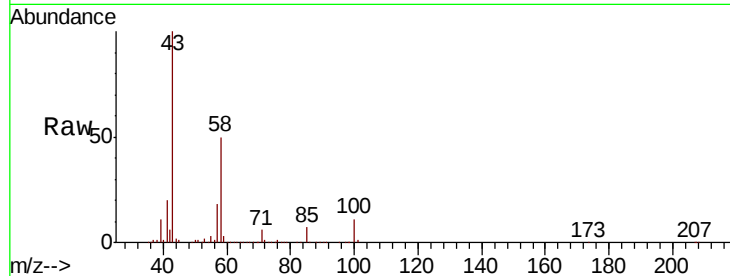




#59
2-Hexanone
Concen: 207.293 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW012904.D
Acq: 11 Sep 2019 07:30

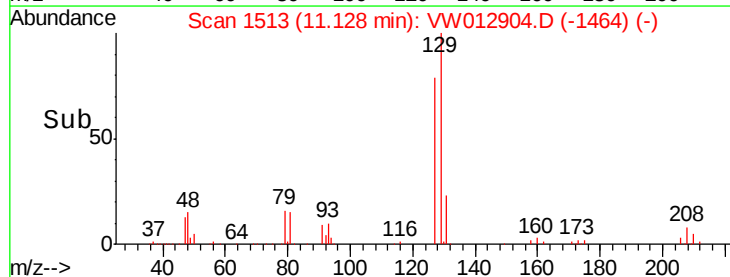
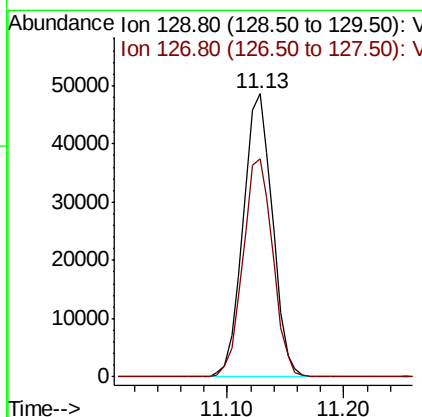
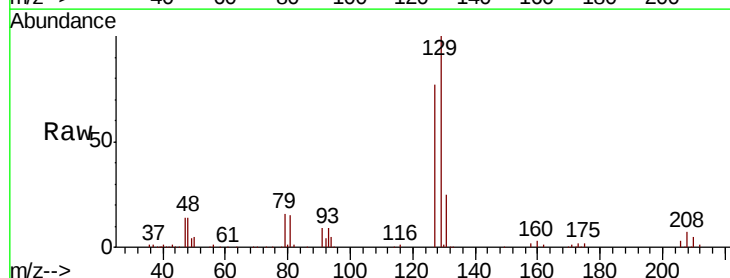
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

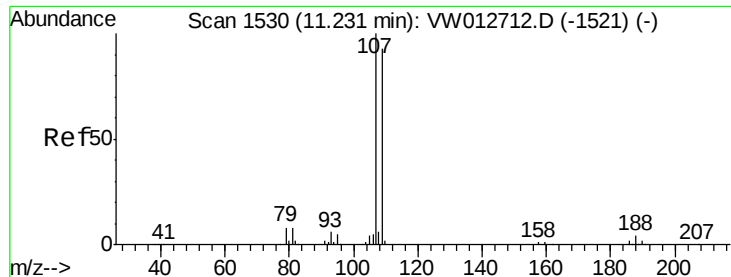
Tgt Ion: 43 Resp: 244643
Ion Ratio Lower Upper
43 100
58 50.8 24.7 74.1



#60
Dibromochloromethane
Concen: 52.459 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW012904.D
Acq: 11 Sep 2019 07:30

Tgt Ion: 129 Resp: 85794
Ion Ratio Lower Upper
129 100
127 78.2 38.6 115.8

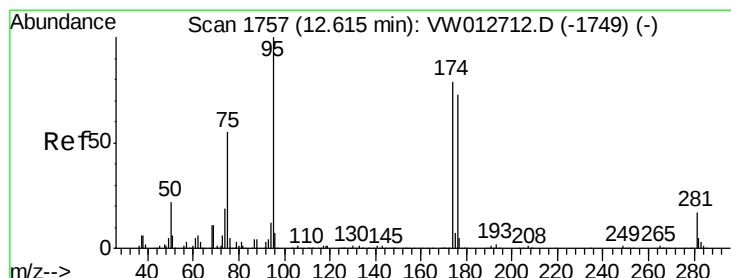
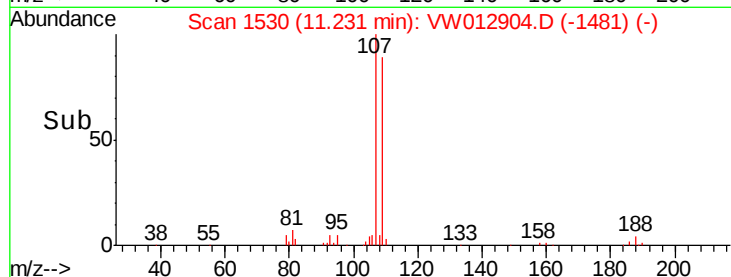
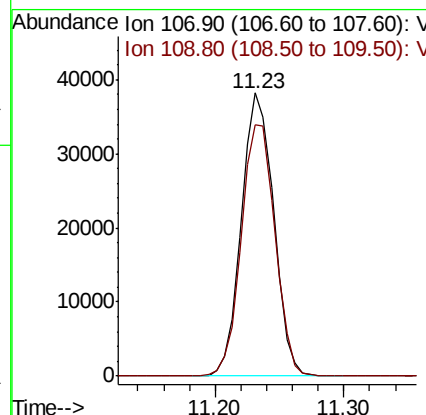
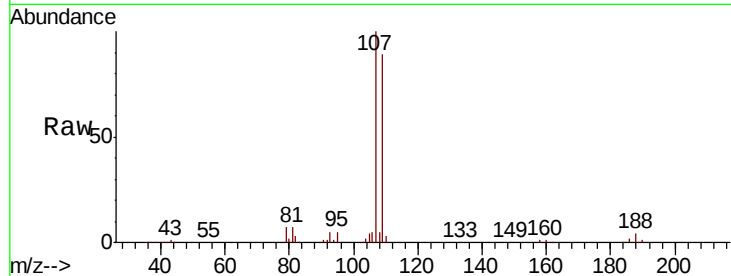




#61
 1,2-Dibromoethane
 Concen: 51.872 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW012904.D
 Acq: 11 Sep 2019 07:30

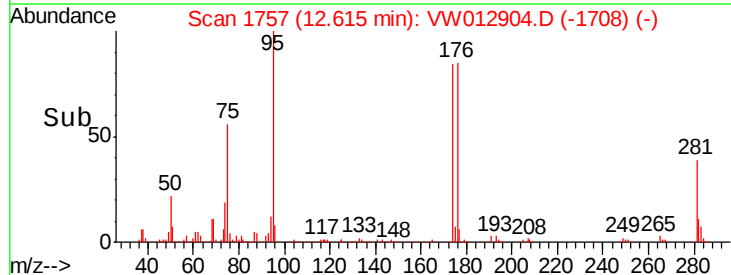
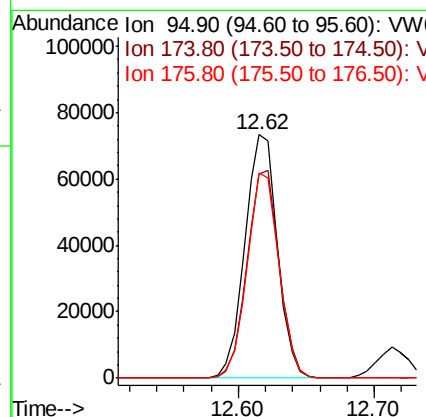
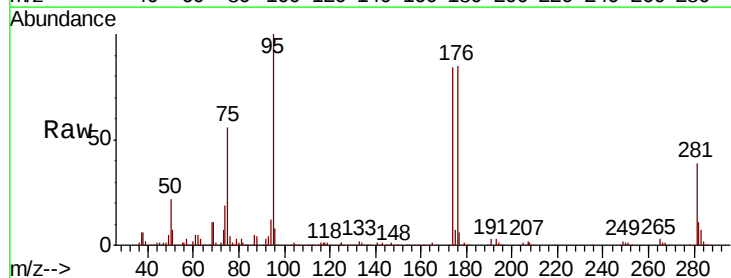
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

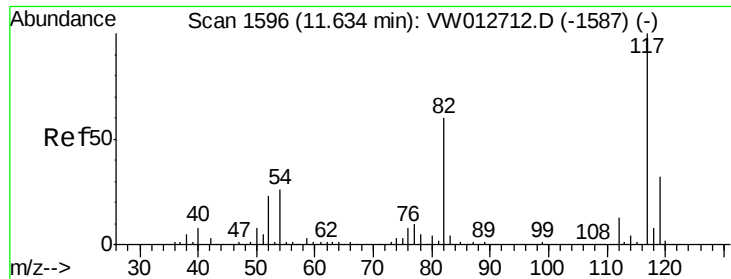
Tgt Ion: 107 Resp: 66132
 Ion Ratio Lower Upper
 107 100
 109 92.8 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 50.375 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW012904.D
 Acq: 11 Sep 2019 07:30

Tgt Ion: 95 Resp: 122199
 Ion Ratio Lower Upper
 95 100
 174 85.0 0.0 161.0
 176 83.0 0.0 156.4

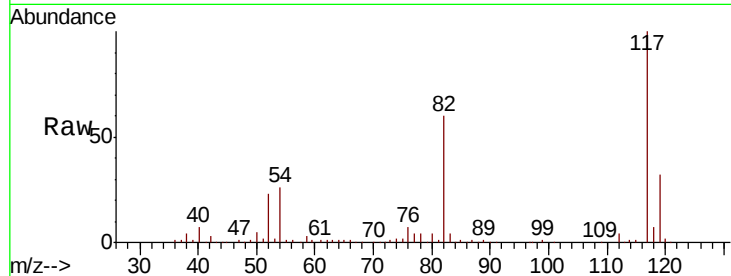




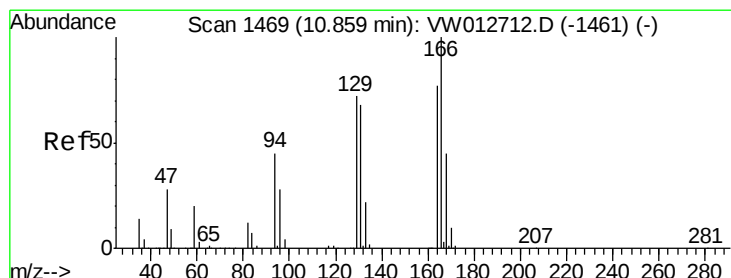
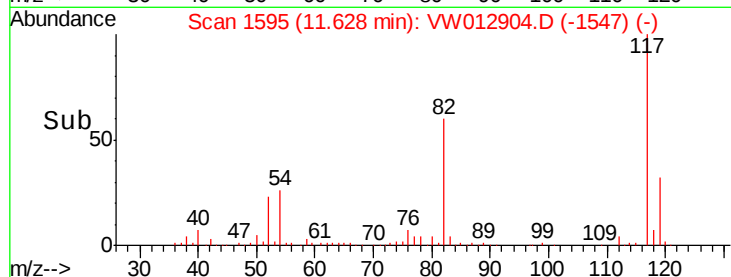
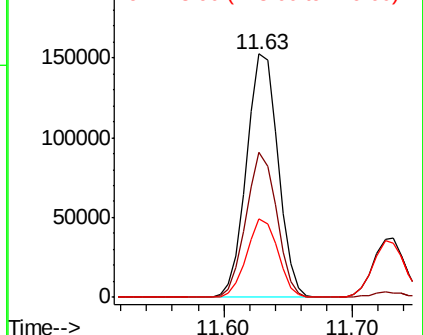
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012904.D
Acq: 11 Sep 2019 07:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 257468
Ion Ratio Lower Upper
117 100
82 59.6 48.2 72.4
119 32.2 25.8 38.6

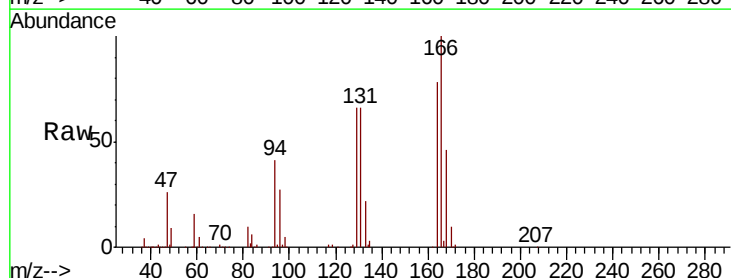


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

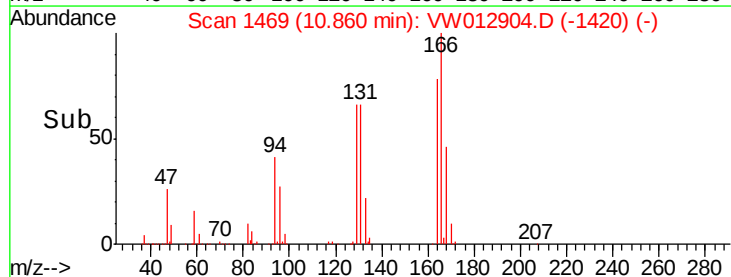
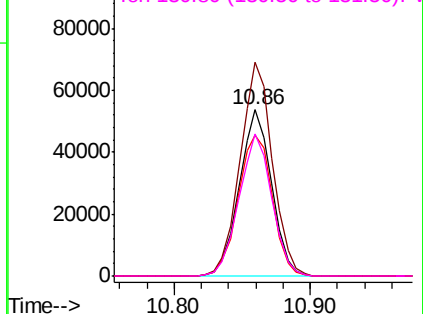


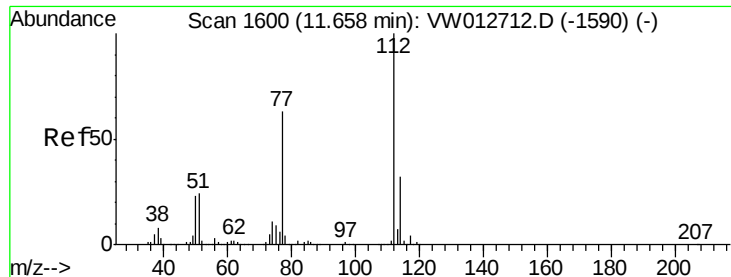
#64
Tetrachloroethene
Concen: 56.658 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW012904.D
Acq: 11 Sep 2019 07:30

Tgt Ion:164 Resp: 88514
Ion Ratio Lower Upper
164 100
166 128.8 103.6 155.4
129 85.3 74.6 112.0
131 85.3 70.6 106.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

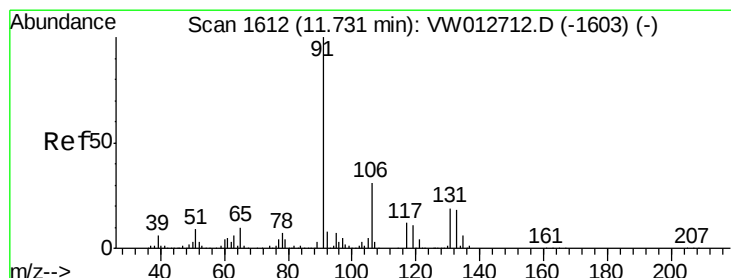
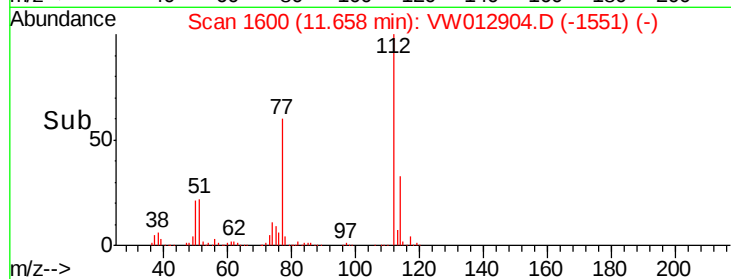
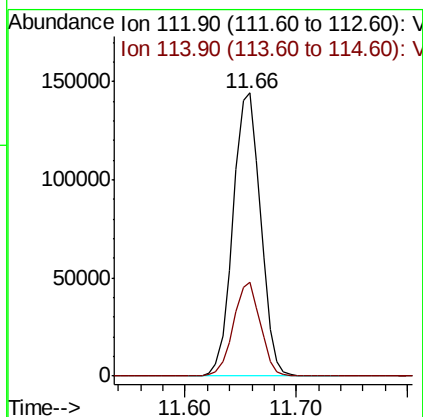
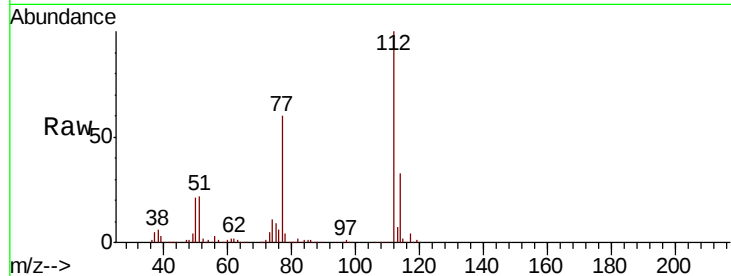




#65
Chlorobenzene
Concen: 50.770 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW012904.D
Acq: 11 Sep 2019 07:30

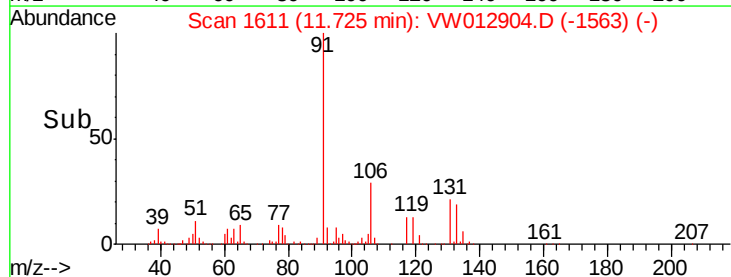
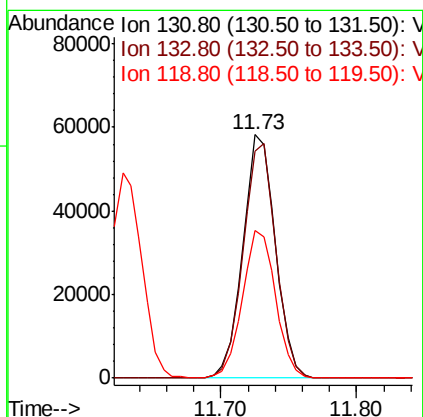
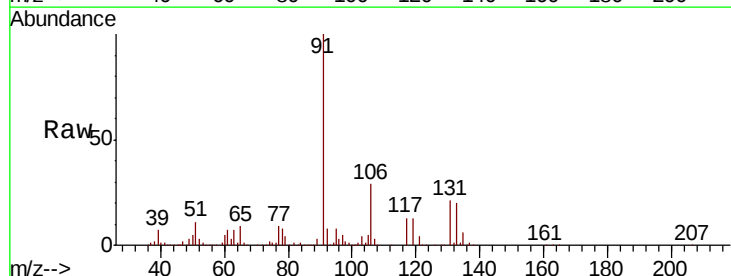
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

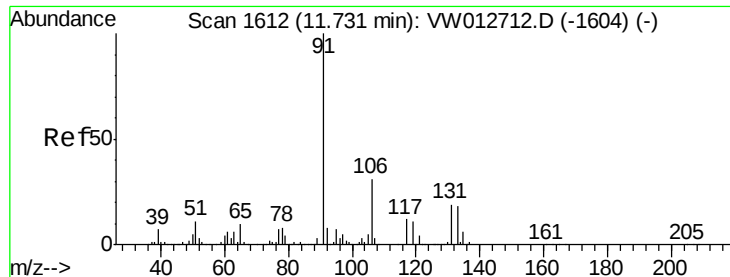
Tgt Ion:112 Resp: 247060
Ion Ratio Lower Upper
112 100
114 33.3 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 53.739 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW012904.D
Acq: 11 Sep 2019 07:30

Tgt Ion:131 Resp: 97386
Ion Ratio Lower Upper
131 100
133 97.3 47.6 142.8
119 62.0 30.6 92.0

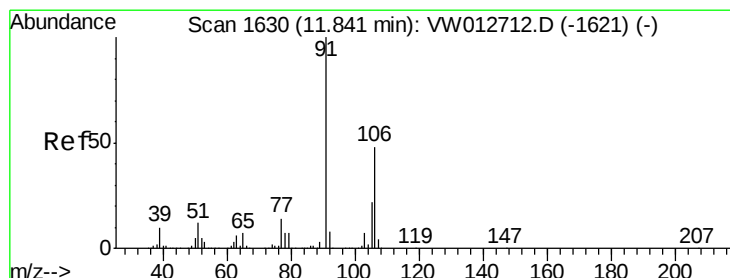
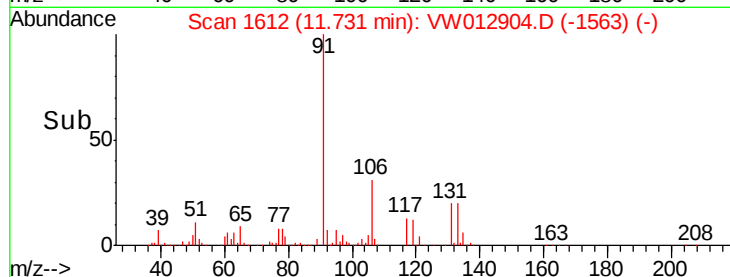
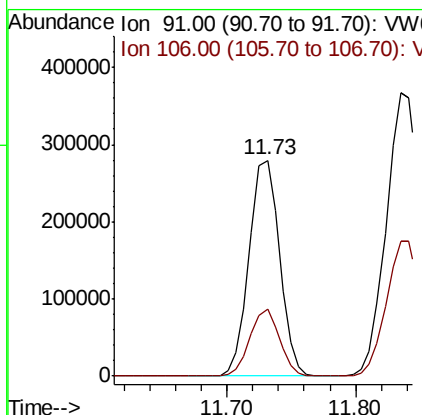
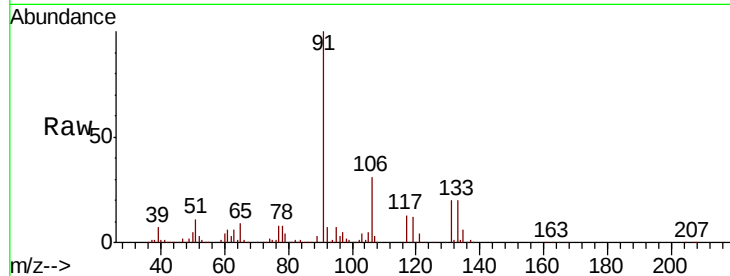




#67
Ethyl Benzene
Concen: 50.070 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012904.D
Acq: 11 Sep 2019 07:30

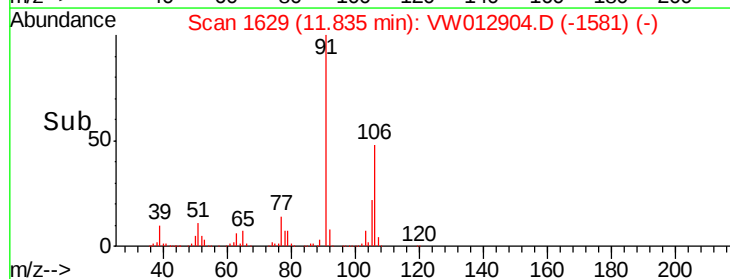
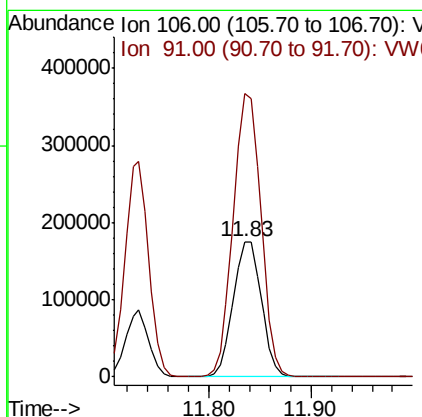
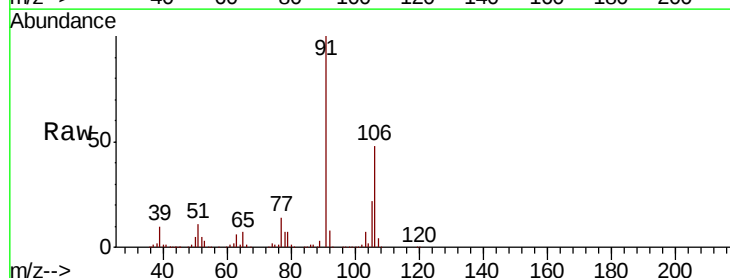
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

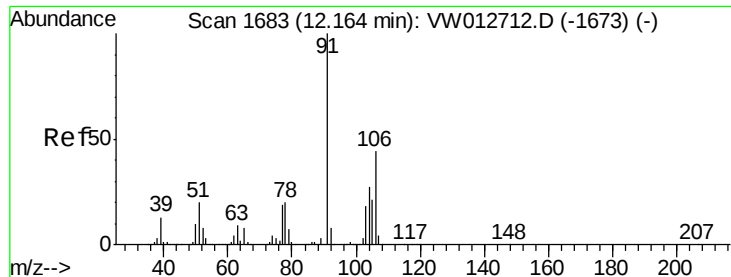
Tgt Ion: 91 Resp: 457146
Ion Ratio Lower Upper
91 100
106 31.0 24.4 36.6



#68
m/p-Xylenes
Concen: 101.233 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012904.D
Acq: 11 Sep 2019 07:30

Tgt Ion: 106 Resp: 333624
Ion Ratio Lower Upper
106 100
91 207.4 168.2 252.4

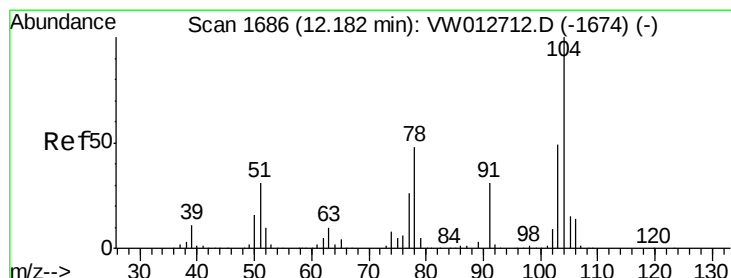
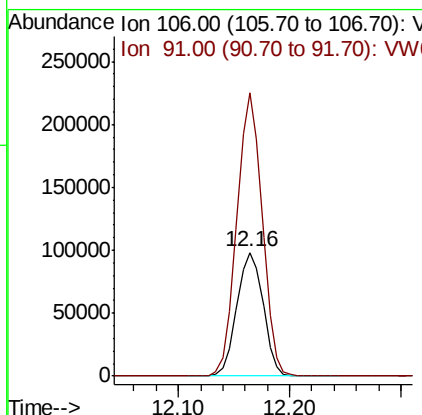
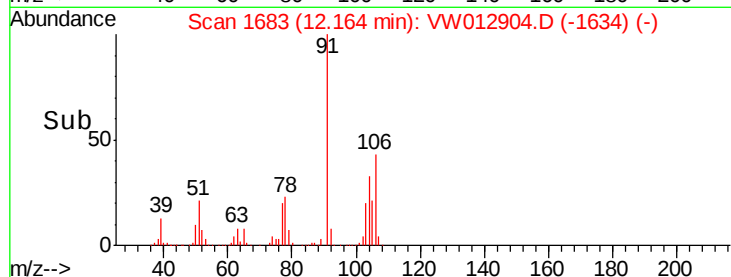
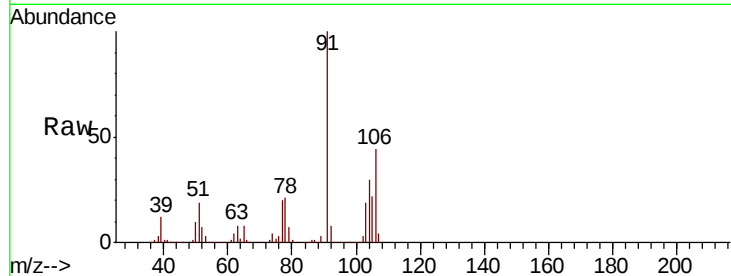




#69
o-Xylene
Concen: 51.587 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012904.D
Acq: 11 Sep 2019 07:30

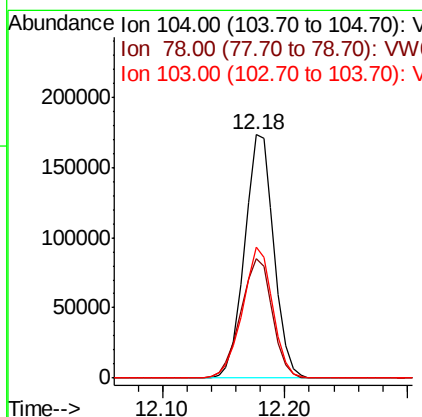
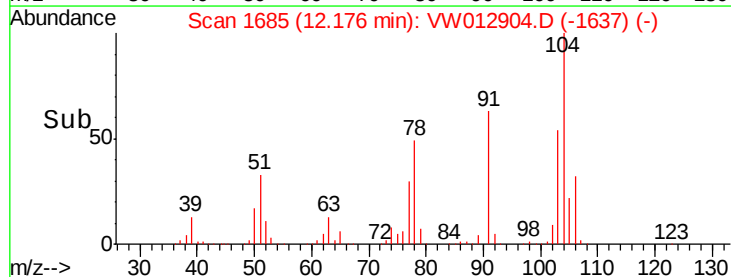
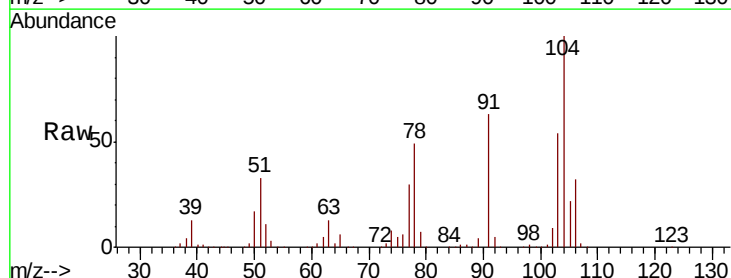
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

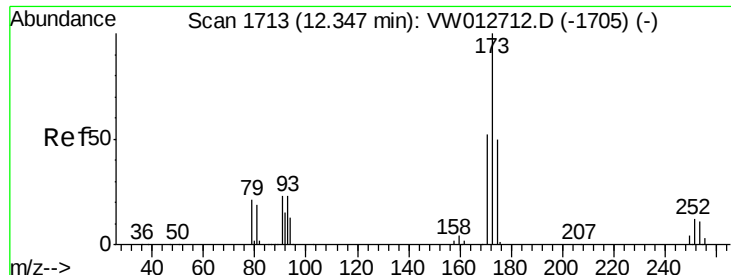
Tgt Ion:106 Resp: 160393
Ion Ratio Lower Upper
106 100
91 221.5 112.3 336.8



#70
Styrene
Concen: 52.461 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW012904.D
Acq: 11 Sep 2019 07:30

Tgt Ion:104 Resp: 288224
Ion Ratio Lower Upper
104 100
78 53.2 43.3 64.9
103 55.4 44.0 66.0

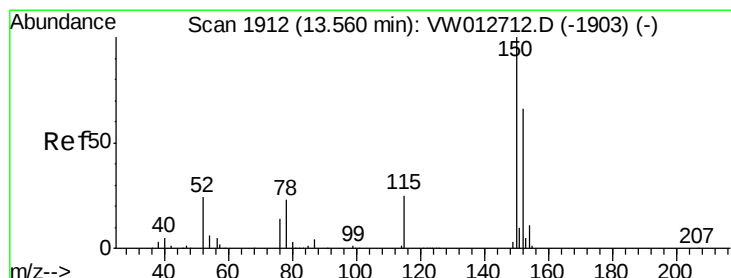
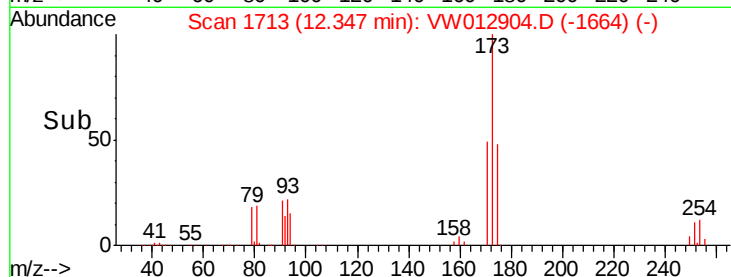
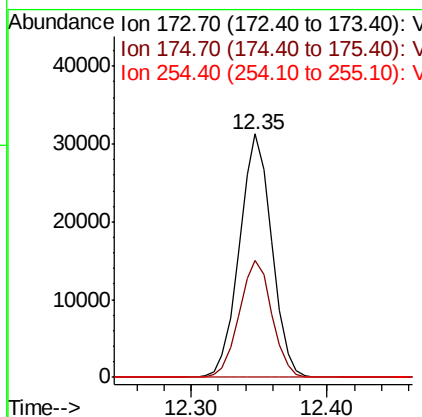
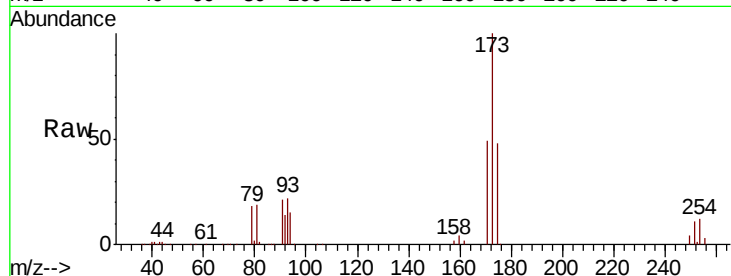




#71
Bromoform
Concen: 51.519 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW012904.D
Acq: 11 Sep 2019 07:30

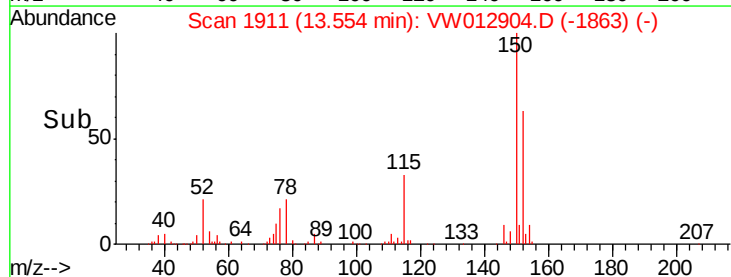
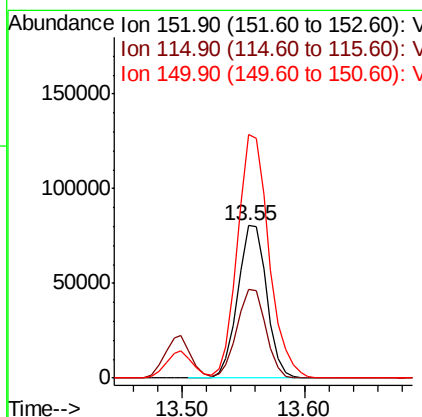
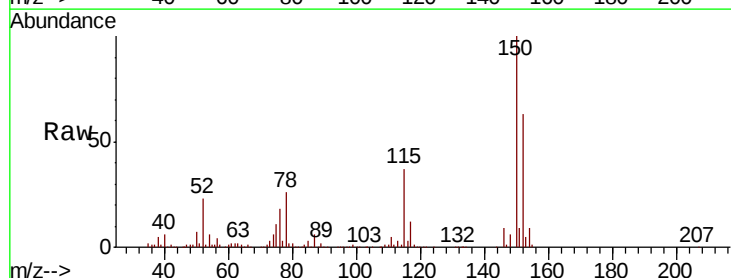
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

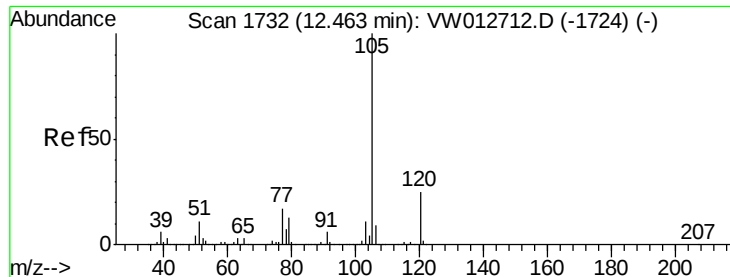
Tgt Ion:173 Resp: 51871
Ion Ratio Lower Upper
173 100
175 48.4 24.8 74.3
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012904.D
Acq: 11 Sep 2019 07:30

Tgt Ion:152 Resp: 131489
Ion Ratio Lower Upper
152 100
115 58.3 30.0 90.1
150 173.8 0.0 349.0





#73

Isopropylbenzene

Concen: 47.698 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW012904.D

Acq: 11 Sep 2019 07:30

Instrument :

MSVOA_W

ClientSampleId :

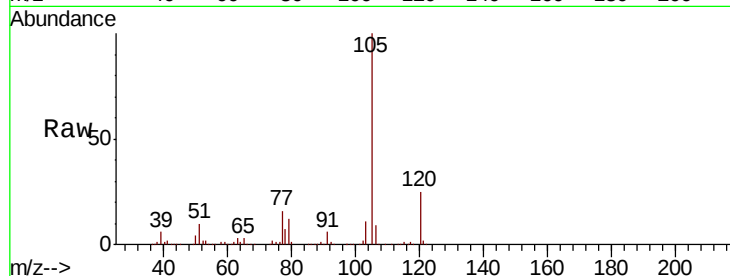
VSTDCCC050EC

Tgt Ion: 105 Resp: 449826

Ion Ratio Lower Upper

105 100

120 25.8 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

200000

100000

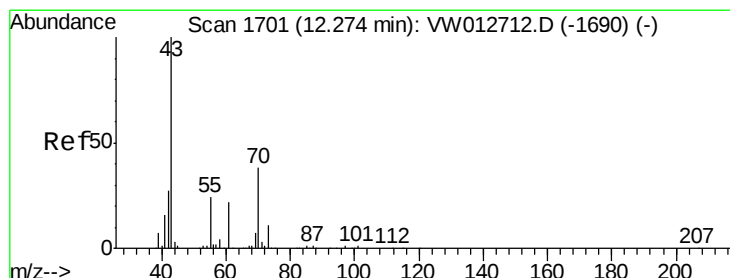
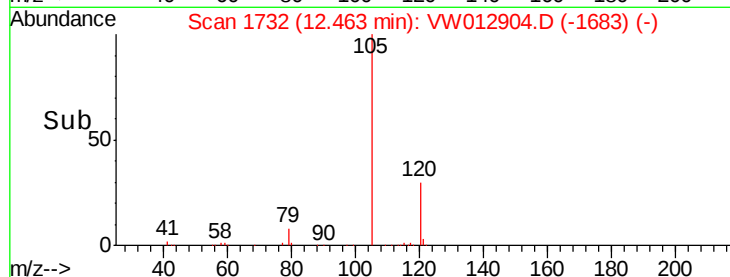
0

12.46

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 41.884 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW012904.D

Acq: 11 Sep 2019 07:30

Tgt Ion: 43 Resp: 125378

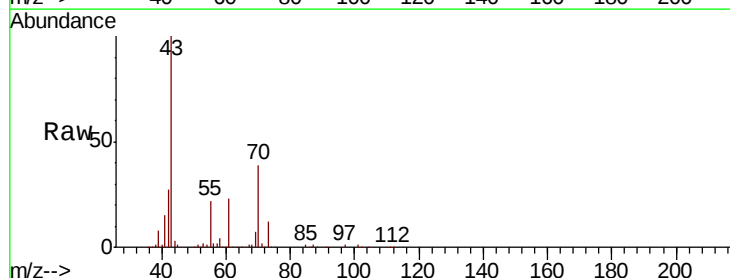
Ion Ratio Lower Upper

43 100

70 39.0 29.4 44.0

55 23.3 18.6 27.8

61 23.0 17.8 26.6



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

120000

100000

80000

60000

40000

20000

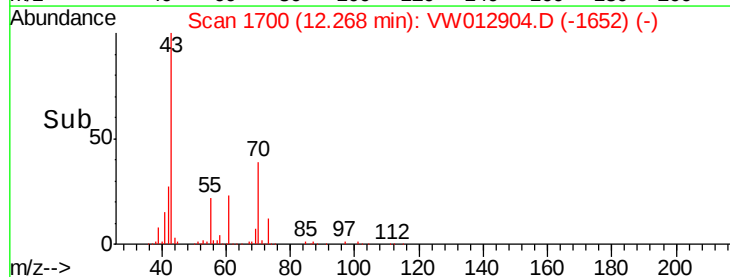
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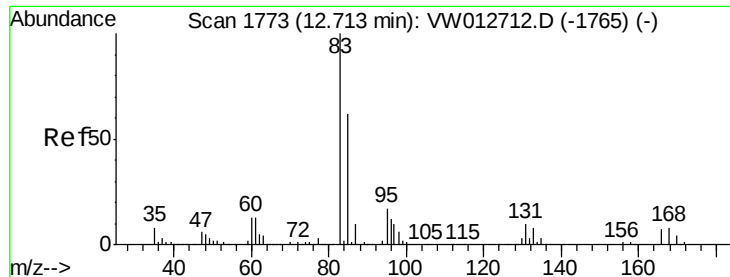
12.27

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 44.393 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012904.D

Acq: 11 Sep 2019 07:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

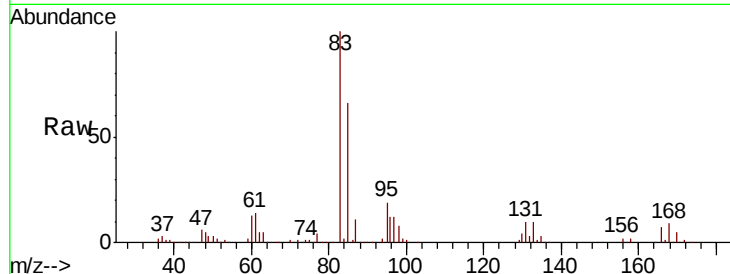
Tgt Ion: 83 Resp: 84079

Ion Ratio Lower Upper

83 100

131 11.2 5.1 15.4

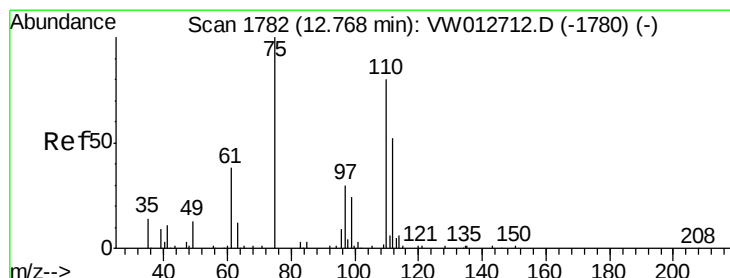
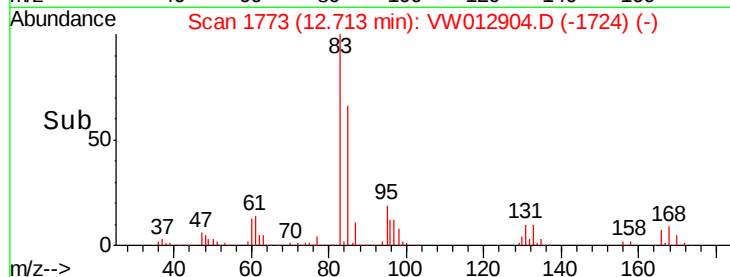
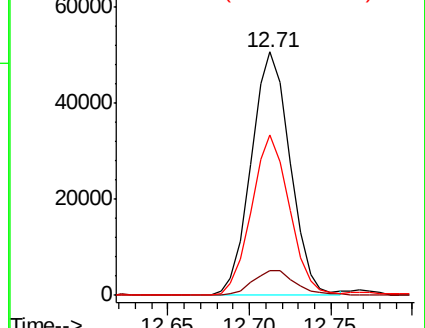
85 64.3 31.4 94.2



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: 81.660 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW012904.D

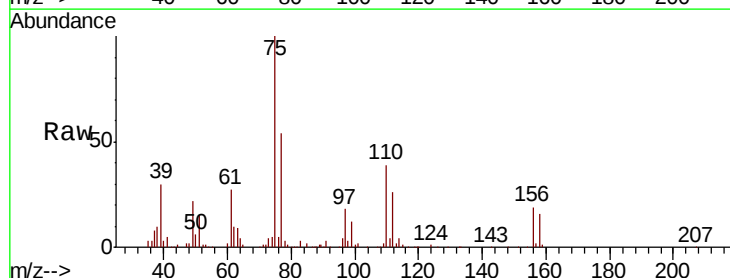
Acq: 11 Sep 2019 07:30

Tgt Ion: 75 Resp: 109794

Ion Ratio Lower Upper

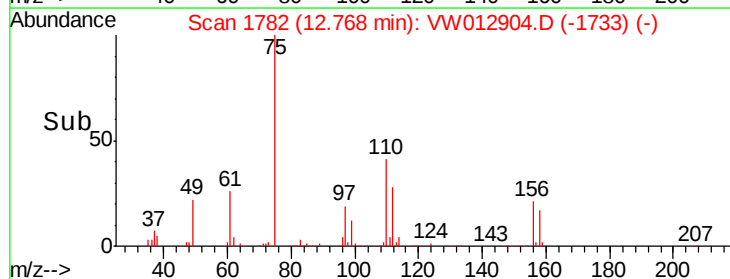
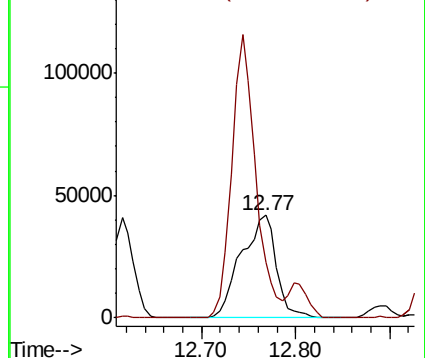
75 100

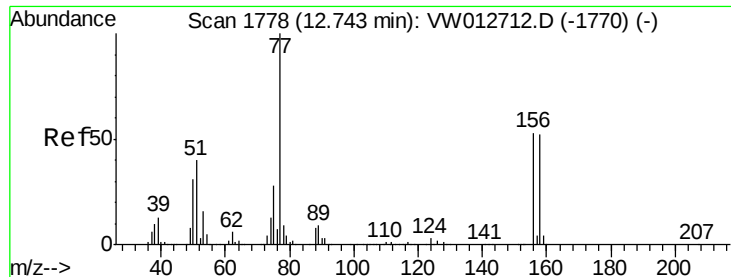
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 51.529 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW012904.D

Acq: 11 Sep 2019 07:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

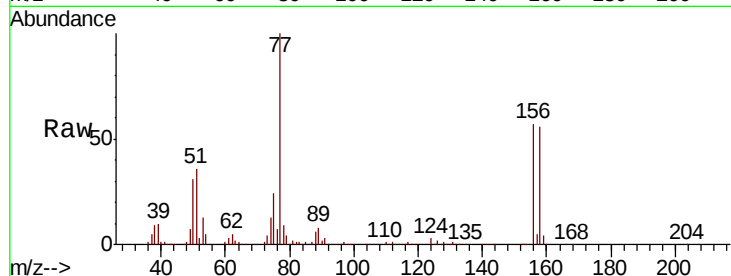
Tgt Ion:156 Resp: 110098

Ion Ratio Lower Upper

156 100

77 186.4 102.3 306.9

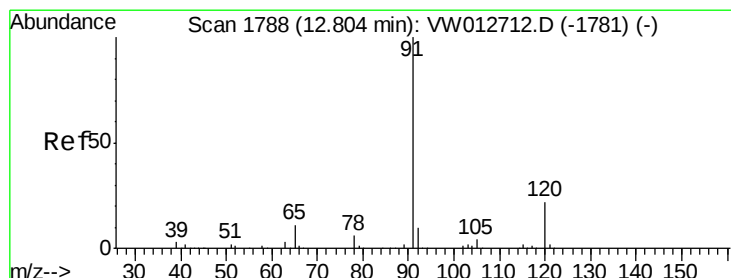
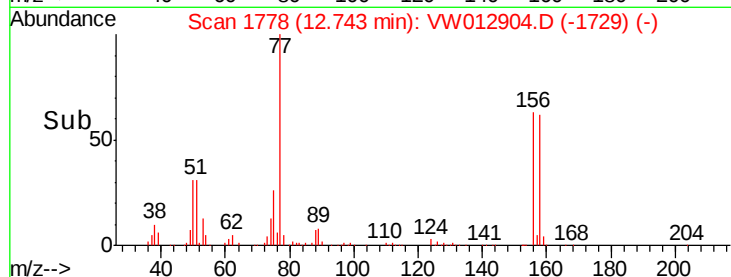
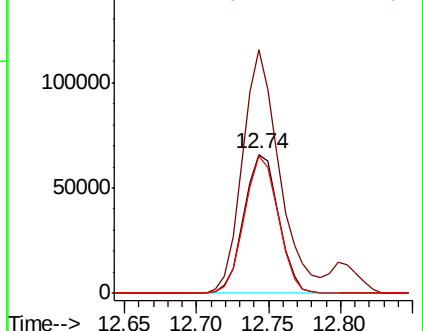
158 96.4 48.9 146.8



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: 46.925 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW012904.D

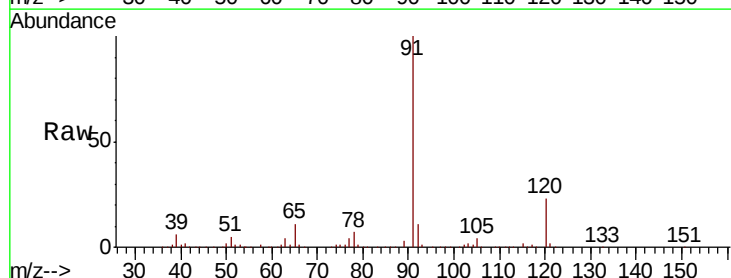
Acq: 11 Sep 2019 07:30

Tgt Ion: 91 Resp: 529275

Ion Ratio Lower Upper

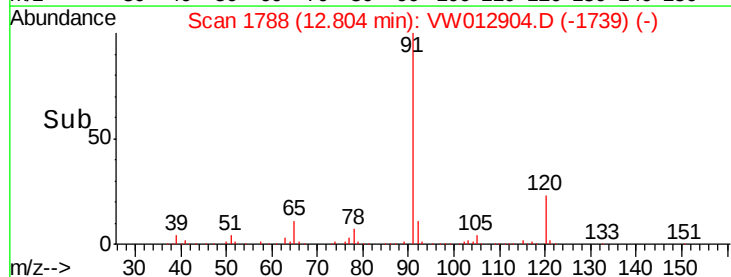
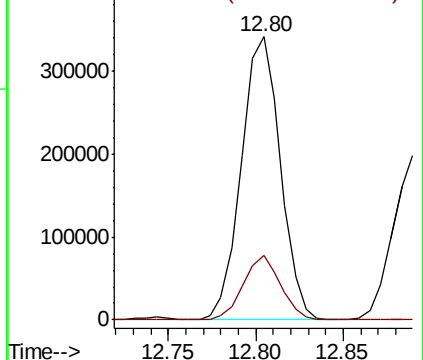
91 100

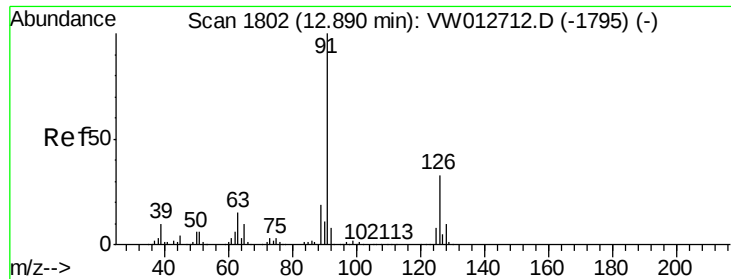
120 21.8 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.002 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW012904.D

Acq: 11 Sep 2019 07:30

Instrument :

MSVOA_W

ClientSampleId :

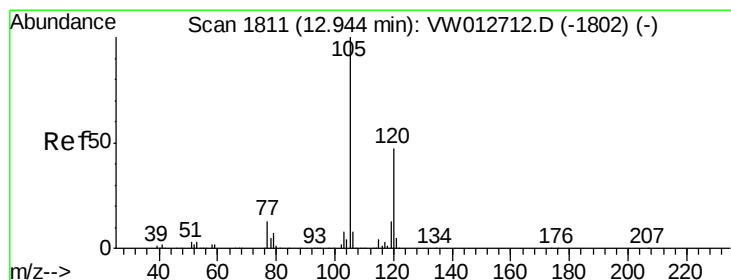
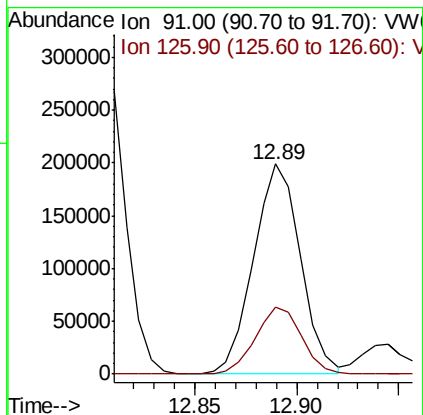
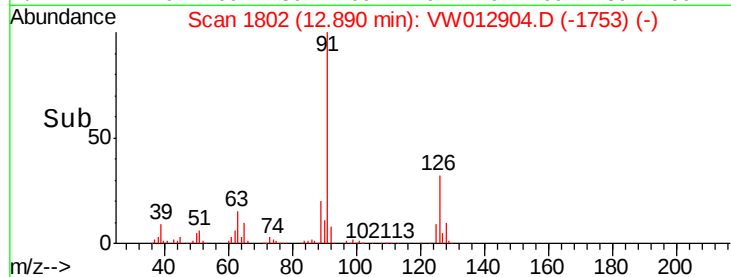
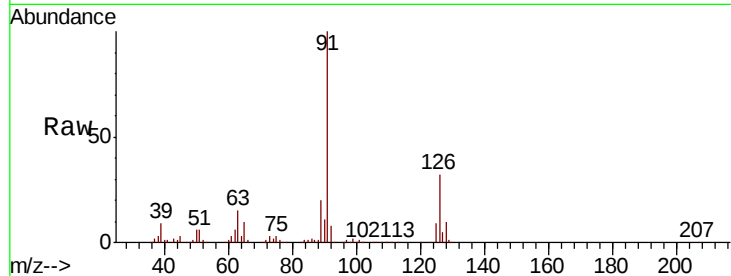
VSTDCCC050EC

Tgt Ion: 91 Resp: 317293

Ion Ratio Lower Upper

91 100

126 31.8 16.1 48.3



#80

1,3,5-Trimethylbenzene

Concen: 48.972 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.01 min

Lab File: VW012904.D

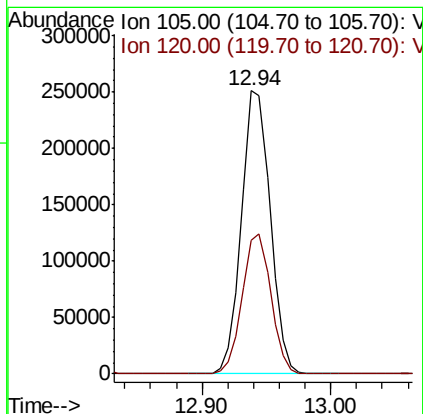
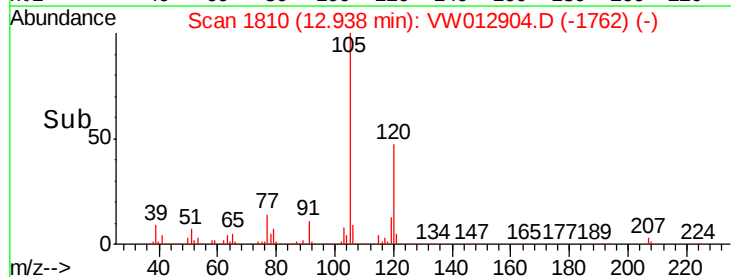
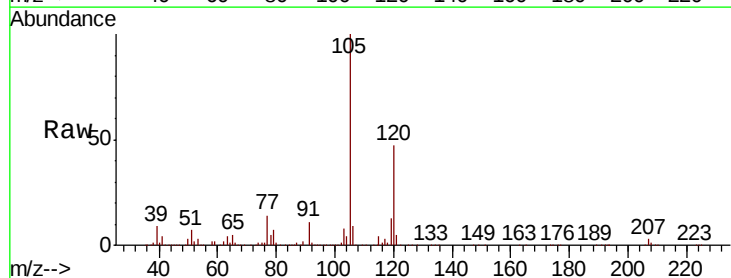
Acq: 11 Sep 2019 07:30

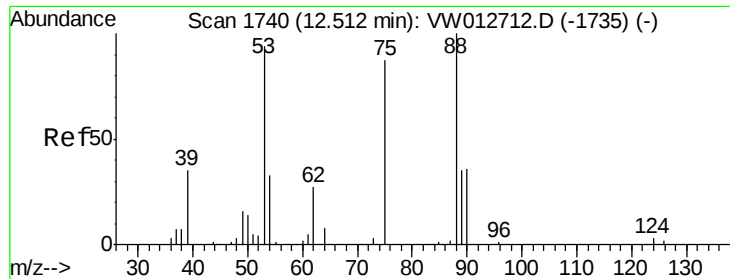
Tgt Ion: 105 Resp: 389167

Ion Ratio Lower Upper

105 100

120 48.9 23.9 71.8





#81

trans-1,4-Dichloro-2-butene

Concen: 38.209 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW012904.D

Acq: 11 Sep 2019 07:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

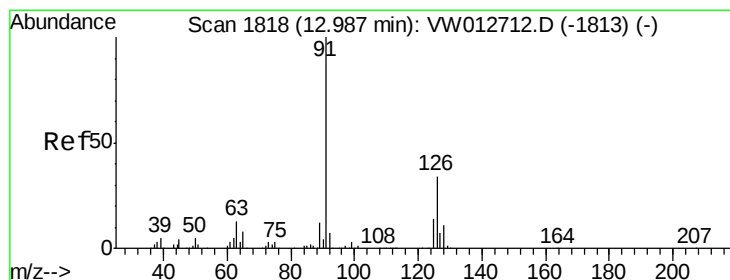
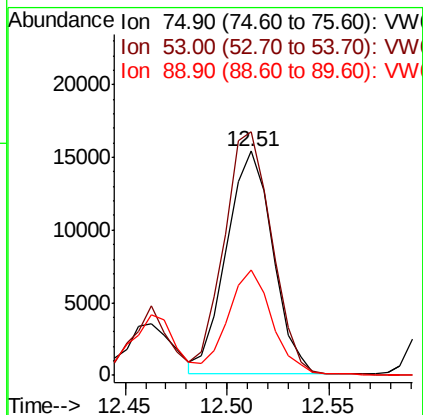
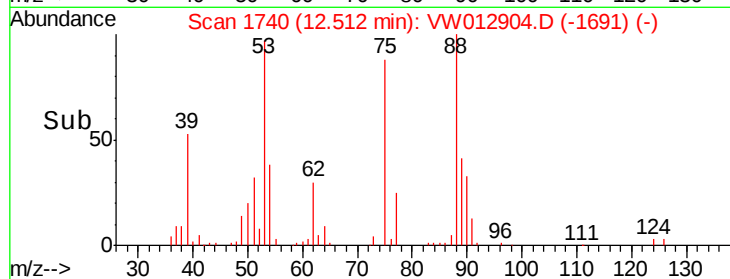
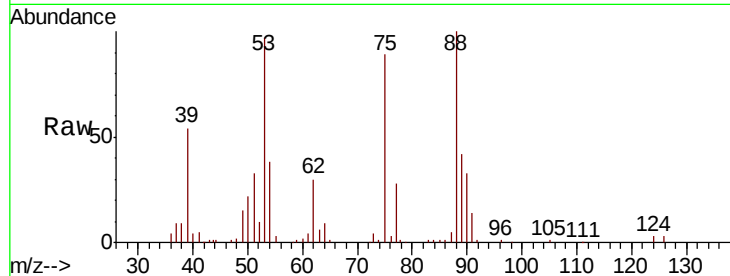
Tgt Ion: 75 Resp: 24289

Ion Ratio Lower Upper

75 100

53 113.3 87.6 131.4

89 45.0 35.5 53.3



#82

4-Chlorotoluene

Concen: 48.091 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW012904.D

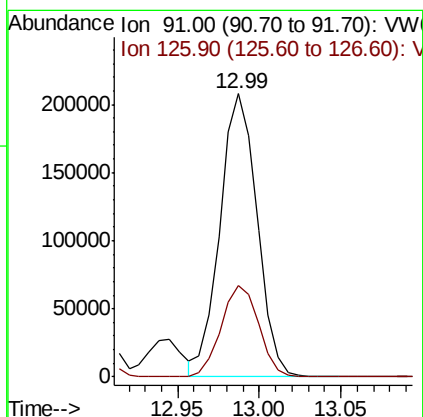
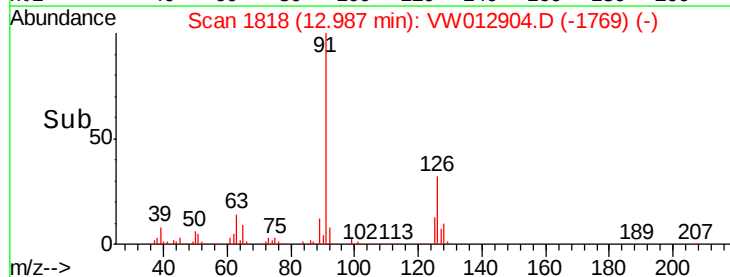
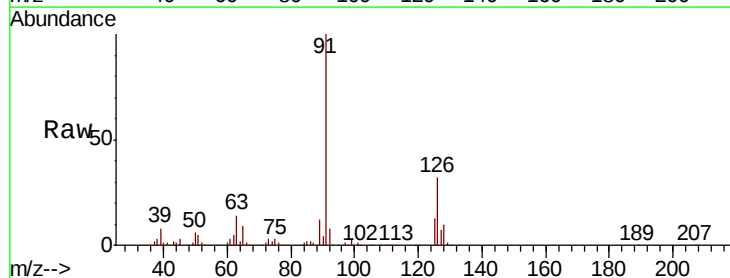
Acq: 11 Sep 2019 07:30

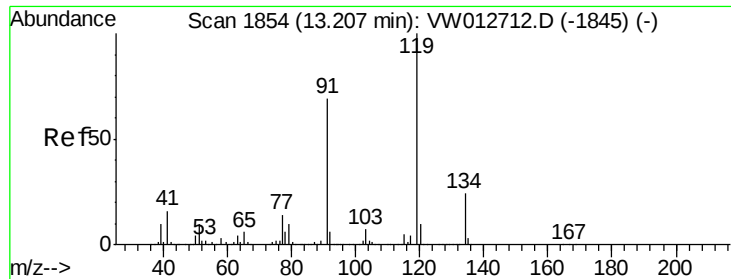
Tgt Ion: 91 Resp: 329380

Ion Ratio Lower Upper

91 100

126 32.7 15.9 47.6

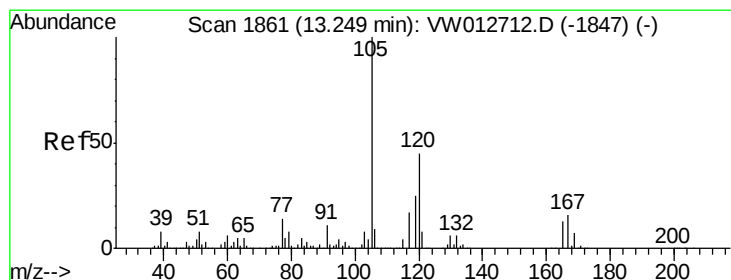
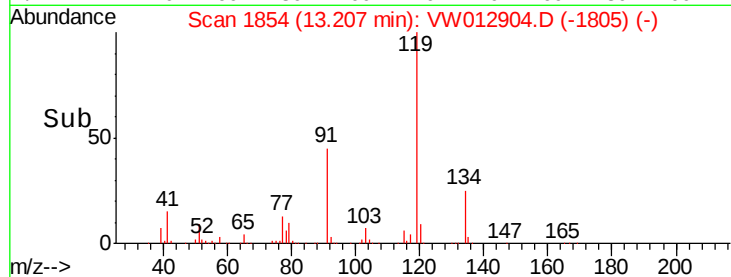
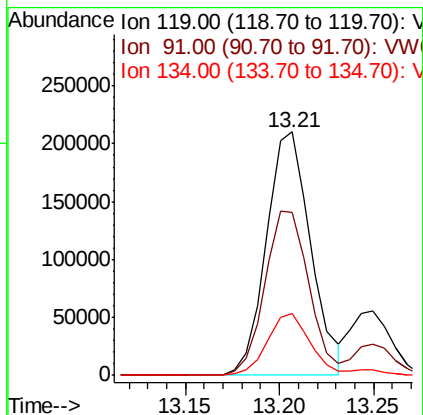
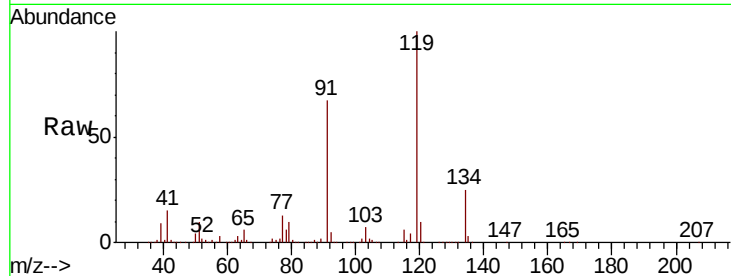




#83
 tert-Butylbenzene
 Concen: 48.915 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW012904.D
 Acq: 11 Sep 2019 07:30

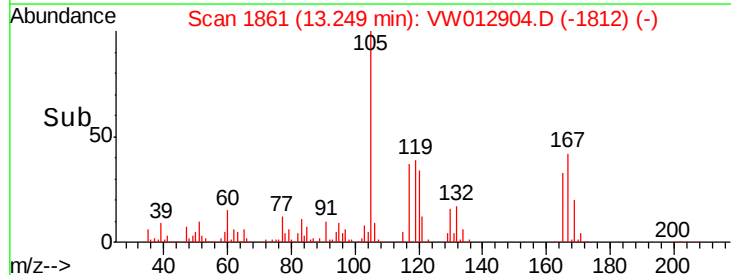
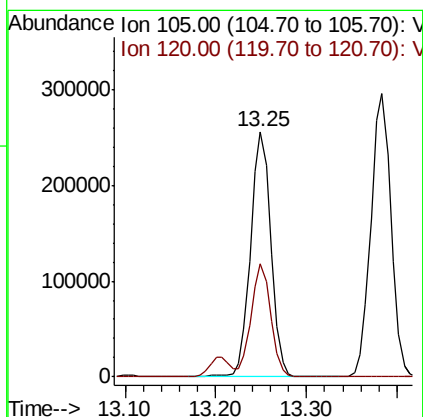
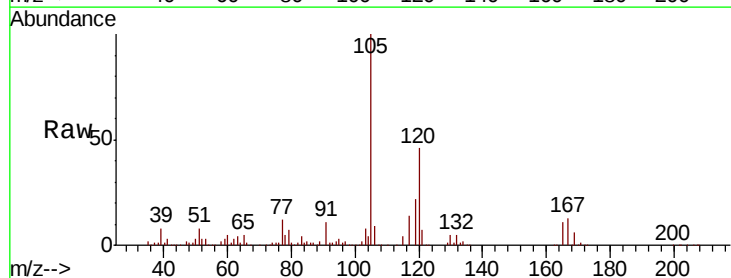
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

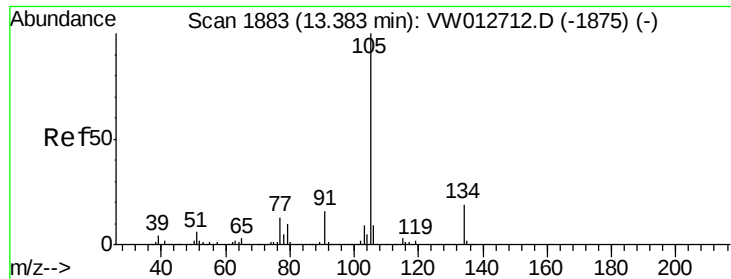
Tgt Ion:119 Resp: 343705
 Ion Ratio Lower Upper
 119 100
 91 67.0 34.2 102.5
 134 24.5 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 49.668 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW012904.D
 Acq: 11 Sep 2019 07:30

Tgt Ion:105 Resp: 397715
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.1 66.3





#85

sec-Butylbenzene

Concen: 46.691 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW012904.D

Acq: 11 Sep 2019 07:30

Instrument :

MSVOA_W

ClientSampleId :

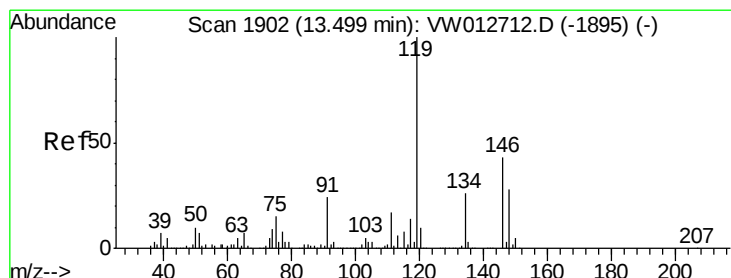
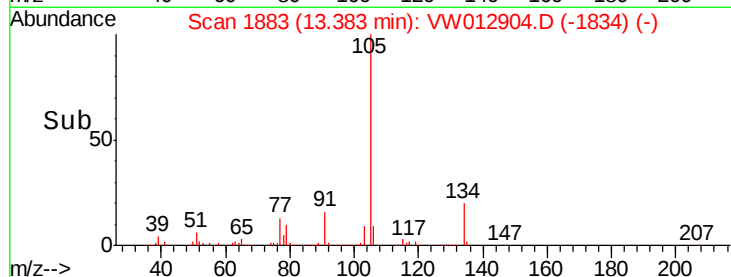
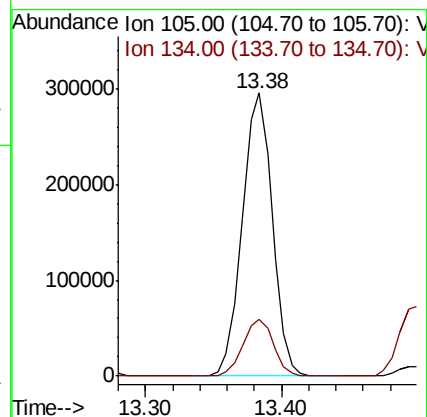
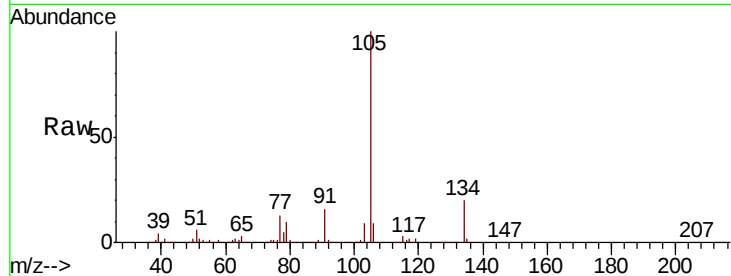
VSTDCCC050EC

Tgt Ion:105 Resp: 455251

Ion Ratio Lower Upper

105 100

134 20.5 9.8 29.3



#86

p-Isopropyltoluene

Concen: 48.222 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW012904.D

Acq: 11 Sep 2019 07:30

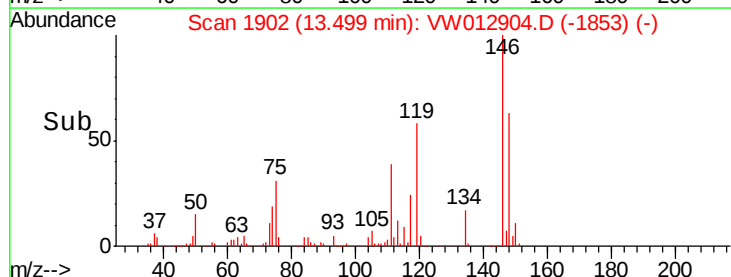
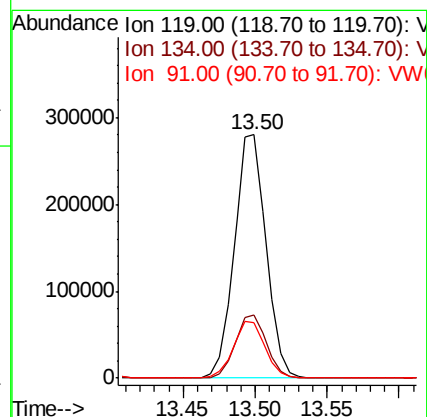
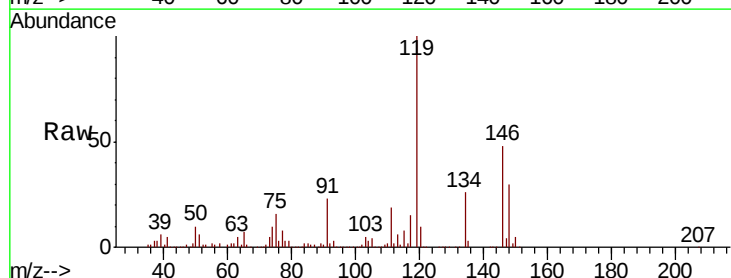
Tgt Ion:119 Resp: 429474

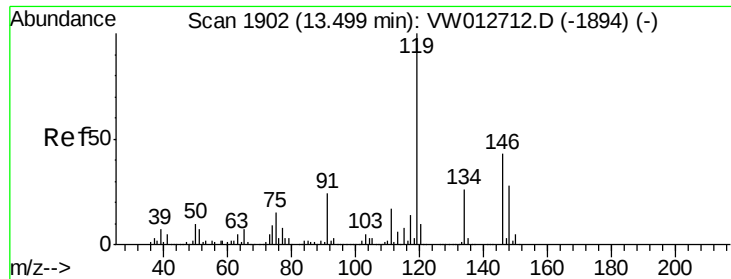
Ion Ratio Lower Upper

119 100

134 25.7 12.7 38.1

91 23.4 12.2 36.6

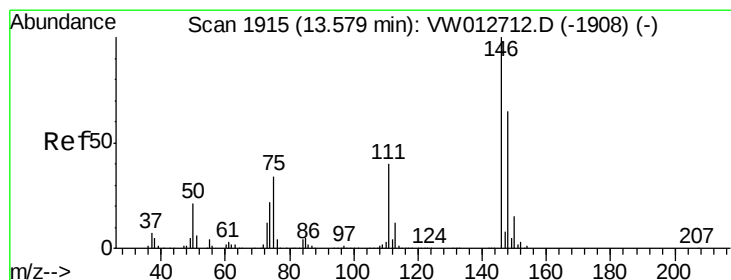
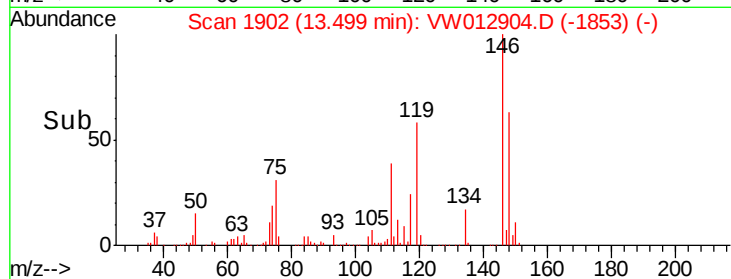
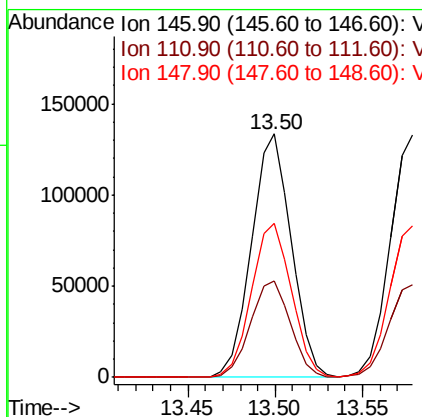
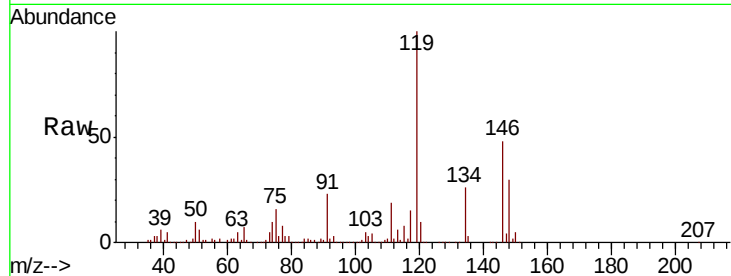




#87
 1,3-Dichlorobenzene
 Concen: 50.092 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW012904.D
 Acq: 11 Sep 2019 07:30

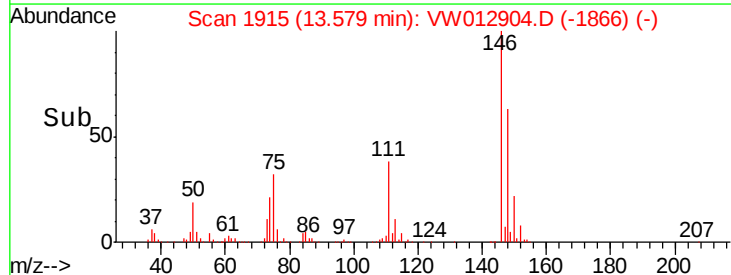
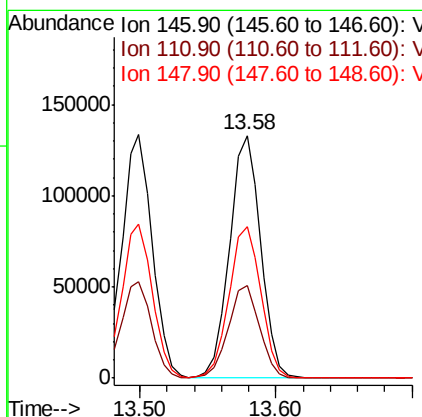
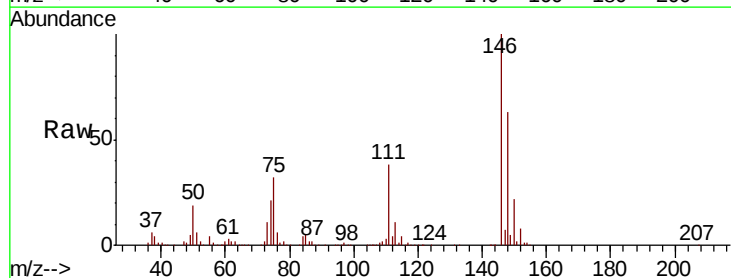
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

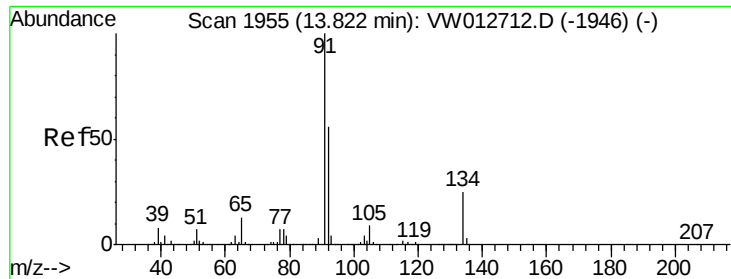
Tgt Ion:146 Resp: 210367
 Ion Ratio Lower Upper
 146 100
 111 39.9 20.4 61.2
 148 63.7 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 50.428 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW012904.D
 Acq: 11 Sep 2019 07:30

Tgt Ion:146 Resp: 210733
 Ion Ratio Lower Upper
 146 100
 111 38.5 20.0 60.0
 148 64.0 32.2 96.6





#89

n-Butylbenzene

Concen: 45.694 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW012904.D

Acq: 11 Sep 2019 07:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

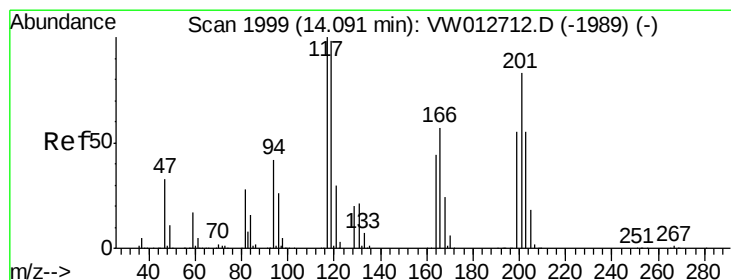
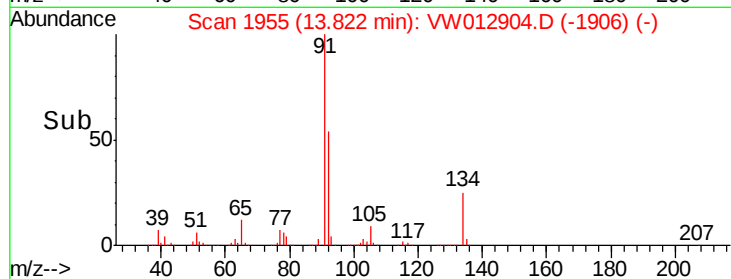
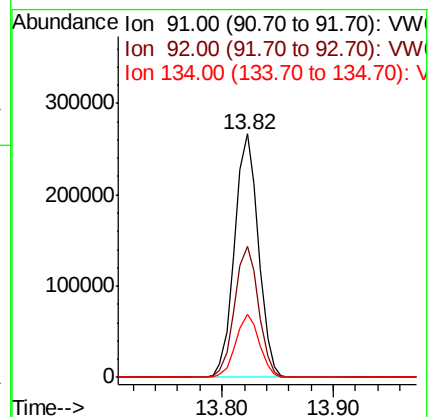
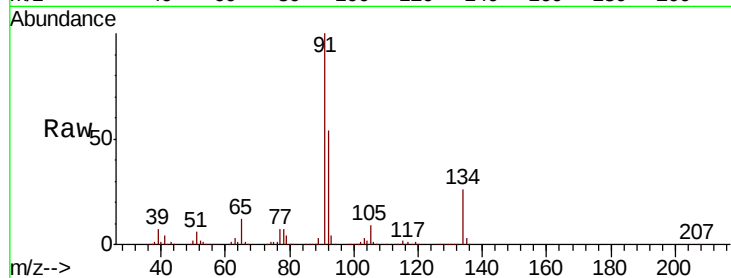
Tgt Ion: 91 Resp: 395083

Ion Ratio Lower Upper

91 100

92 54.1 27.2 81.5

134 25.7 12.7 38.1



#90

Hexachloroethane

Concen: 49.045 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW012904.D

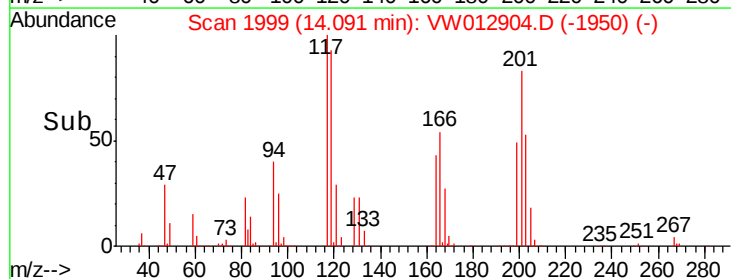
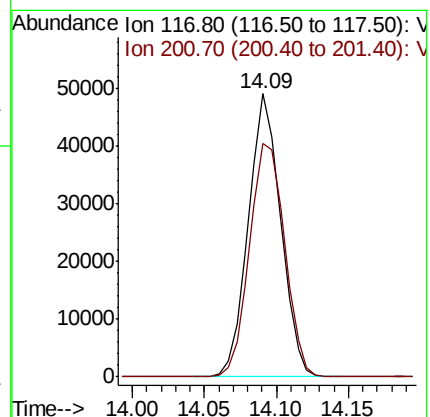
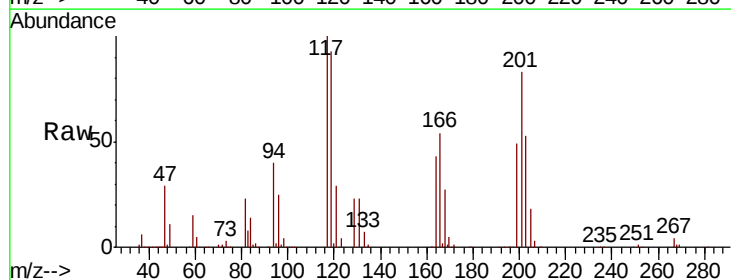
Acq: 11 Sep 2019 07:30

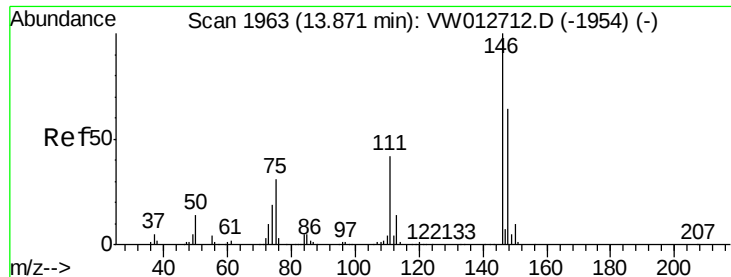
Tgt Ion: 117 Resp: 76253

Ion Ratio Lower Upper

117 100

201 89.8 42.8 128.4

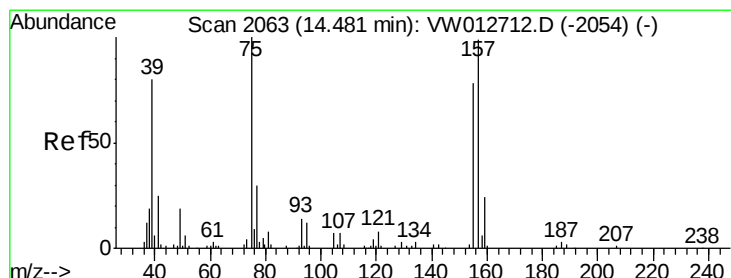
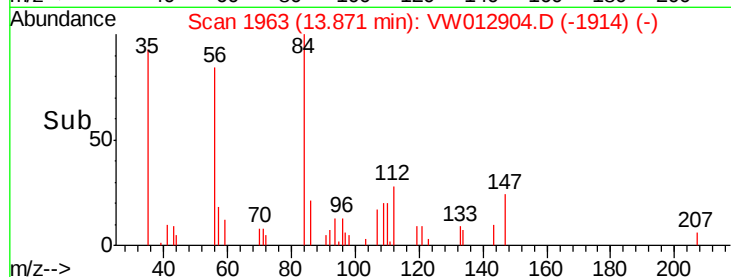
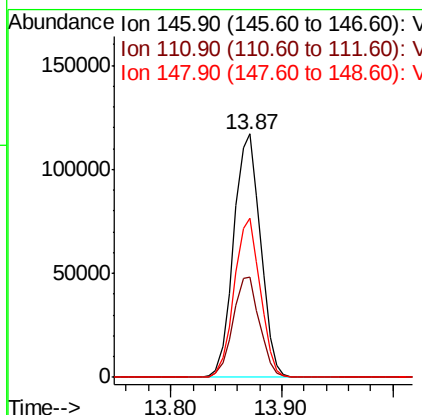
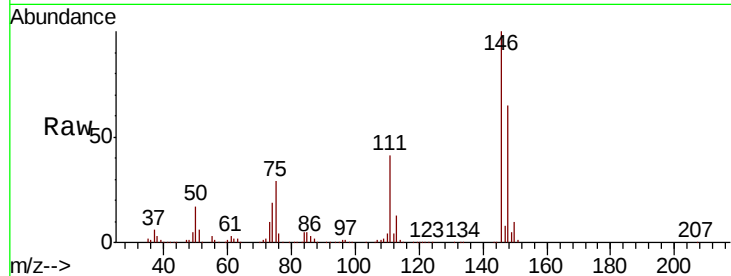




#91
 1,2-Dichlorobenzene
 Concen: 51.608 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW012904.D
 Acq: 11 Sep 2019 07:30

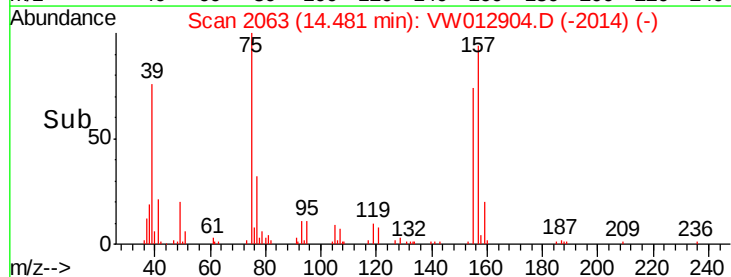
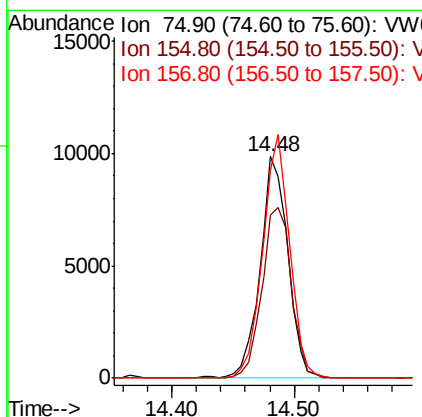
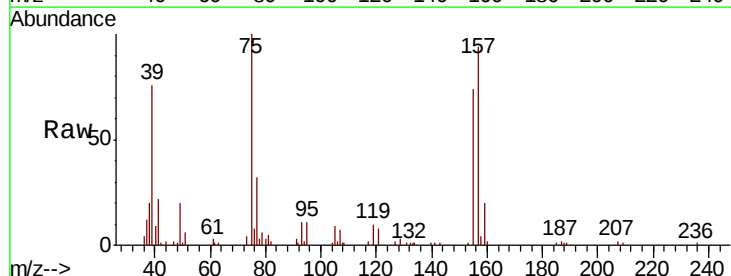
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

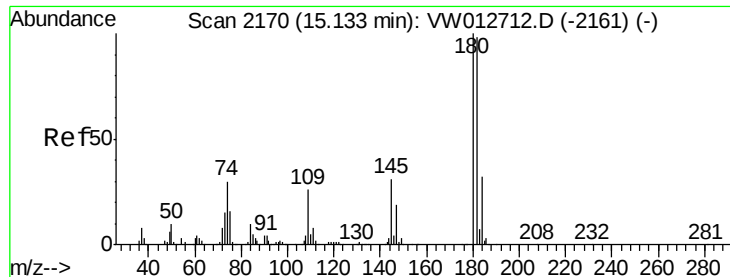
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.3	63.9
148	63.3	32.1	96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.060 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW012904.D
 Acq: 11 Sep 2019 07:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.0	40.6	122.0
157	106.0	52.5	157.5

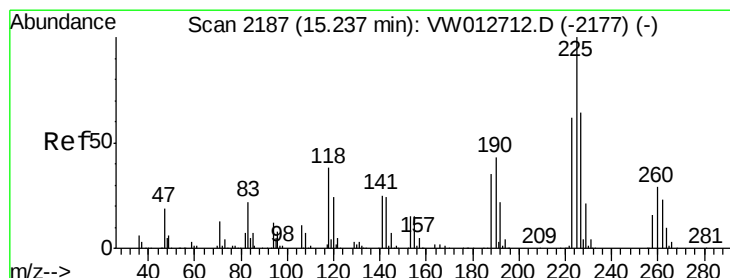
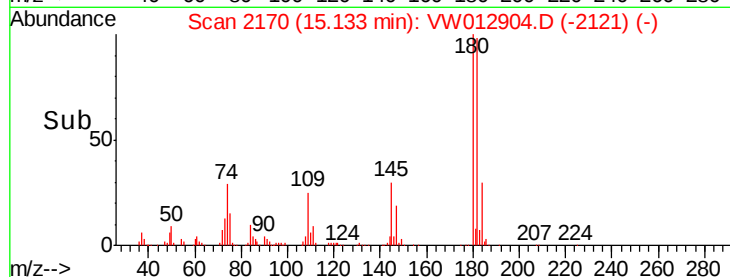
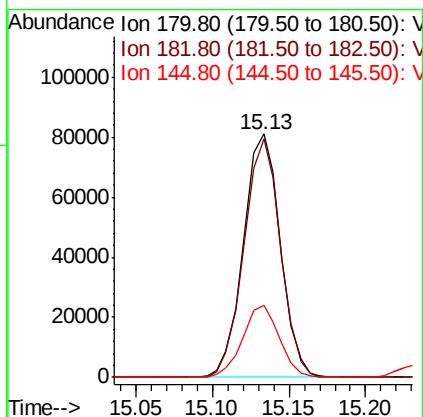
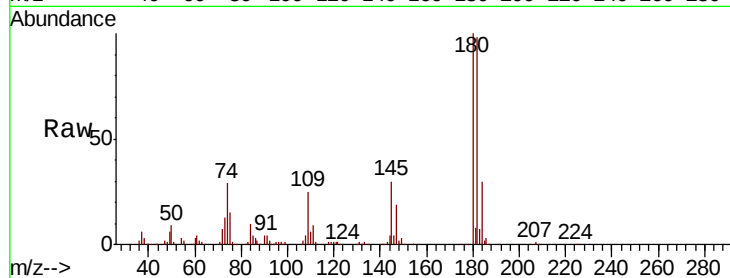




#93
 1,2,4-Trichlorobenzene
 Concen: 51.692 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW012904.D
 Acq: 11 Sep 2019 07:30

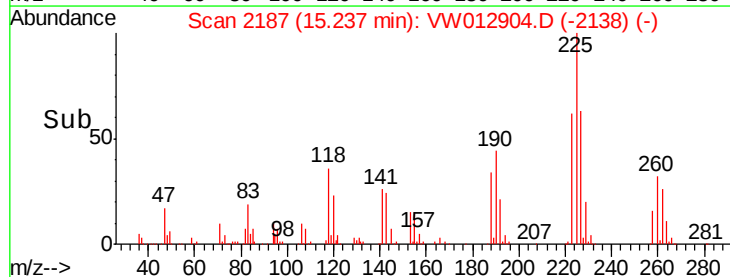
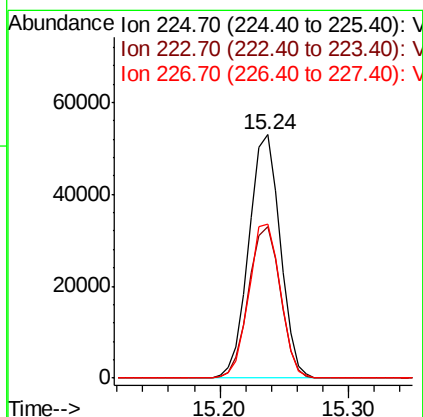
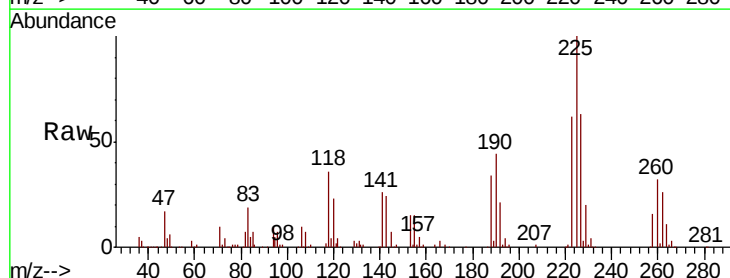
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

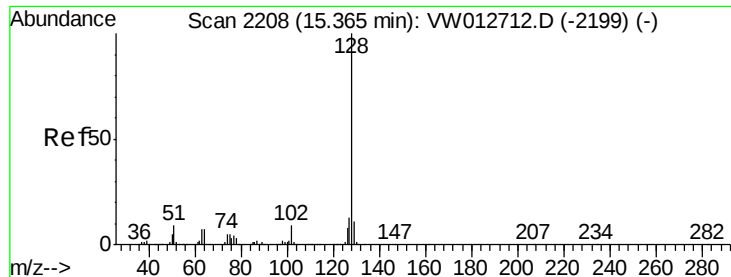
Tgt Ion:180 Resp: 136037
 Ion Ratio Lower Upper
 180 100
 182 96.6 48.7 146.1
 145 29.4 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 48.854 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW012904.D
 Acq: 11 Sep 2019 07:30

Tgt Ion:225 Resp: 88990
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.1 93.3
 227 63.8 31.4 94.2

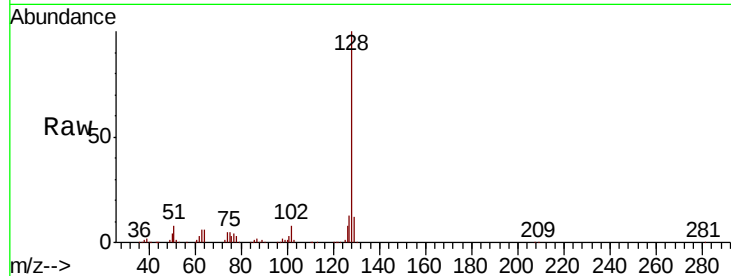




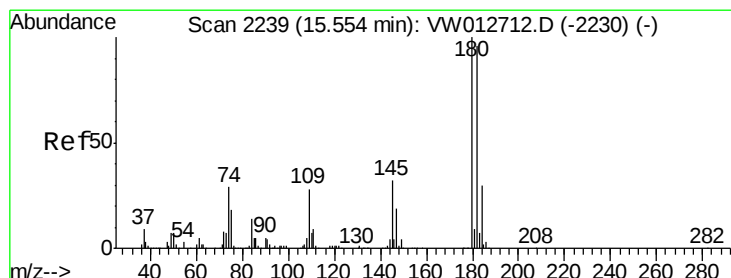
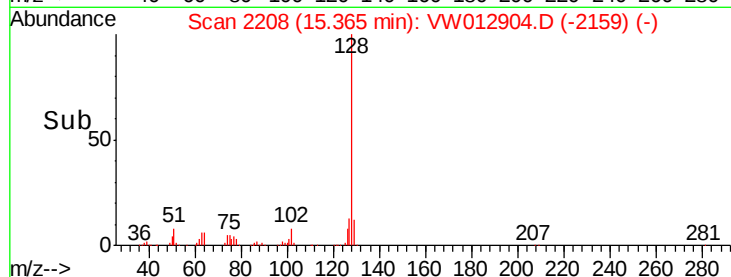
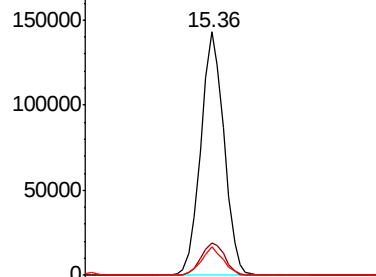
#95
Naphthalene
Concen: 44.902 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012904.D
Acq: 11 Sep 2019 07:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 244967
Ion Ratio Lower Upper
128 100
127 13.7 10.7 16.1
129 11.0 8.7 13.1

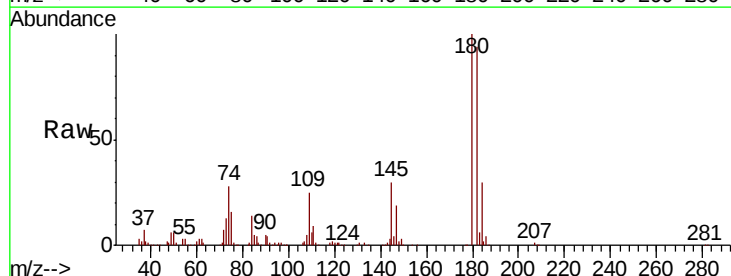


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 52.821 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW012904.D
Acq: 11 Sep 2019 07:30

Tgt Ion:180 Resp: 122703
Ion Ratio Lower Upper
180 100
182 93.9 47.8 143.3
145 30.7 15.4 46.2



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

