

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080419\
 Data File : VW011699.D
 Acq On : 04 Aug 2019 07:43
 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: Aug 05 01:09:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	191685	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	312732	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	276808	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	134078	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	135441	61.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.06%	
35) Dibromofluoromethane	7.88	113	103826	59.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.36%	
50) Toluene-d8	10.32	98	424370	59.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.16%	
62) 4-Bromofluorobenzene	12.62	95	149694	58.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.90%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	58967	55.198	ug/l	100
3) Chloromethane	2.20	50	91207	49.236	ug/l	99
4) Vinyl Chloride	2.36	62	115365	51.729	ug/l	99
5) Bromomethane	2.75	94	52334	42.395	ug/l	97
6) Chloroethane	2.90	64	62766	49.270	ug/l	96
7) Trichlorofluoromethane	3.24	101	54092	54.271	ug/l	93
8) Diethyl Ether	3.67	74	62820	55.589	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	106217	56.178	ug/l	99
10) Methyl Iodide	4.26	142	137516	51.467	ug/l	99
11) Tert butyl alcohol	5.17	59	50600	316.224	ug/l	99
12) 1,1-Dichloroethene	4.03	96	105217	52.706	ug/l	97
13) Acrolein	3.89	56	16496	104.449	ug/l	99
14) Allyl chloride	4.66	41	218962	51.569	ug/l	99
15) Acrylonitrile	5.36	53	182680	323.830	ug/l	99
16) Acetone	4.12	43	154320	220.408	ug/l	99
17) Carbon Disulfide	4.37	76	311170	49.802	ug/l	99
18) Methyl Acetate	4.67	43	129422	82.283	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	182962	57.755	ug/l	98
20) Methylene Chloride	4.91	84	117537	48.676	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	118432	55.027	ug/l	97
22) Diisopropyl ether	6.31	45	443044	55.344	ug/l	98
23) Vinyl Acetate	6.25	43	1306629	259.761	ug/l	99
24) 1,1-Dichloroethane	6.21	63	236521	55.167	ug/l	99
25) 2-Butanone	7.17	43	264738	288.959	ug/l	100
26) 2,2-Dichloropropane	7.16	77	105595	40.049	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	125405	52.942	ug/l	99
28) Bromochloromethane	7.51	49	108415	56.971	ug/l	98
29) Tetrahydrofuran	7.52	42	175062	334.283	ug/l	99
30) Chloroform	7.67	83	214764	54.297	ug/l	98
31) Cyclohexane	7.95	56	222246	54.003	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	168334	55.883	ug/l	99
36) 1,1-Dichloropropene	8.08	75	184199	56.645	ug/l	99
37) Ethyl Acetate	7.25	43	115128	61.537	ug/l	98
38) Carbon Tetrachloride	8.07	117	156478	56.210	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	210188	58.701	ug/l	97
40) Benzene	8.32	78	493018	54.127	ug/l	100
41) Methacrylonitrile	7.48	41	73219	65.470	ug/l	94
42) 1,2-Dichloroethane	8.40	62	163309	57.266	ug/l	100
43) Isopropyl Acetate	8.42	43	210901	61.296	ug/l	98
44) Trichloroethene	9.09	130	119525	54.597	ug/l	99
45) 1,2-Dichloropropane	9.37	63	133764	54.885	ug/l	99
46) Dibromomethane	9.46	93	64782	58.238	ug/l	99
47) Bromodichloromethane	9.64	83	159679	54.724	ug/l	96
48) Methyl methacrylate	9.43	41	103942	62.890	ug/l	97
49) 1,4-Dioxane	9.45	88	19541	1213.251	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	587702	328.387	ug/l	99
52) Toluene	10.38	92	301535	54.818	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	160437	52.636	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	187142	51.638	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	90511	57.348	ug/l	98
56) Ethyl methacrylate	10.65	69	140221	60.714	ug/l	98
57) 1,3-Dichloropropane	10.93	76	173509	58.109	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	360355	343.648	ug/l	100
59) 2-Hexanone	10.97	43	398248	315.165	ug/l	99
60) Dibromochloromethane	11.13	129	99537	56.816	ug/l	98
61) 1,2-Dibromoethane	11.23	107	88037	58.944	ug/l	98
64) Tetrachloroethene	10.86	164	116864	64.841	ug/l	99
65) Chlorobenzene	11.66	112	298314	53.604	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	106397	54.887	ug/l	100
67) Ethyl Benzene	11.73	91	582187	54.928	ug/l	99
68) m/p-Xylenes	11.84	106	422705	109.664	ug/l	99
69) o-Xylene	12.16	106	195978	54.714	ug/l	98
70) Styrene	12.18	104	341201	55.094	ug/l	100
71) Bromoform	12.35	173	57742	58.422	ug/l	98
73) Isopropylbenzene	12.46	105	553030	55.289	ug/l	99
74) N-amyl acetate	12.27	43	170042	54.300	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	115580	61.431	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	148427	104.622	ug/l #	100
77) Bromobenzene	12.74	156	120920	54.694	ug/l	98
78) n-propylbenzene	12.80	91	674090	55.375	ug/l	99
79) 2-Chlorotoluene	12.89	91	378959	54.037	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	458992	54.742	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	33394	54.248	ug/l	97
82) 4-Chlorotoluene	12.99	91	398265	54.126	ug/l	100
83) tert-Butylbenzene	13.21	119	393261	56.087	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	463538	54.881	ug/l	99
85) sec-Butylbenzene	13.38	105	567227	56.696	ug/l	100
86) p-Isopropyltoluene	13.50	119	502360	55.342	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	227425	52.462	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	226967	52.632	ug/l	100
89) n-Butylbenzene	13.82	91	490811	54.181	ug/l	99
90) Hexachloroethane	14.09	117	87374	54.434	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	209687	54.690	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20402	63.589	ug/l	99

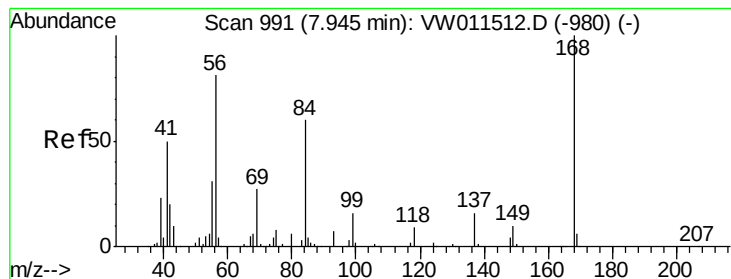
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	142194	52.622	ug/l	100
94) Hexachlorobutadiene	15.24	225	92900	55.129	ug/l	98
95) Naphthalene	15.36	128	301471	56.668	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	131013	55.312	ug/l	98

(#) = 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: VW011699.D

Acq: 04 Aug 2019 07:43

Instrument :

MSVOA_W

ClientSampleId :

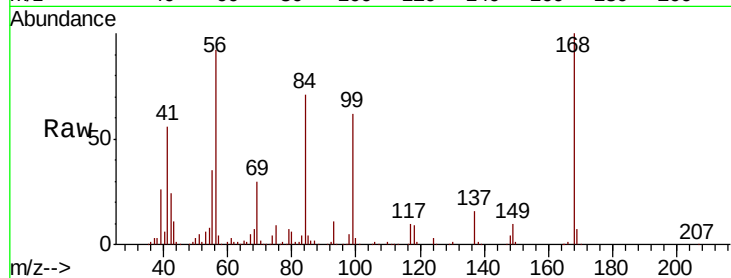
VSTDCCC050EC

Tot Ion:168 Resp: 191685

Ion Ratio Lower Upper

168 100

99 61.7 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

40000

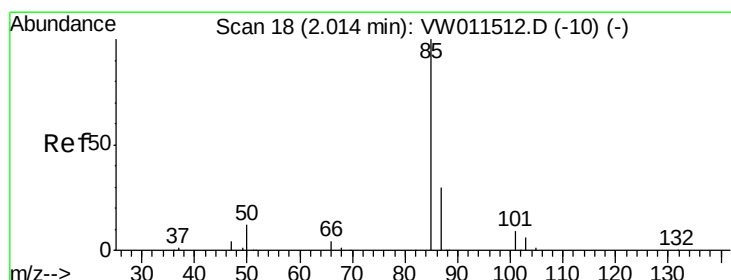
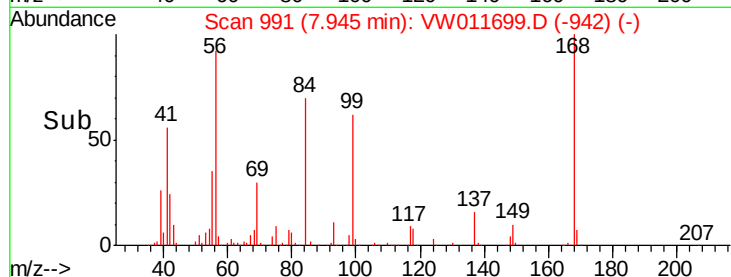
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 55.198 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW011699.D

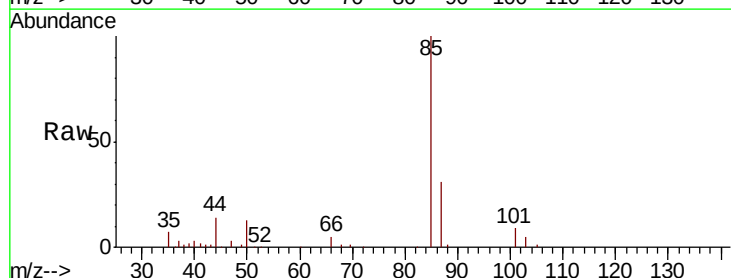
Acq: 04 Aug 2019 07:43

Tgt Ion: 85 Resp: 58967

Ion Ratio Lower Upper

85 100

87 30.3 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

20000

15000

10000

5000

0

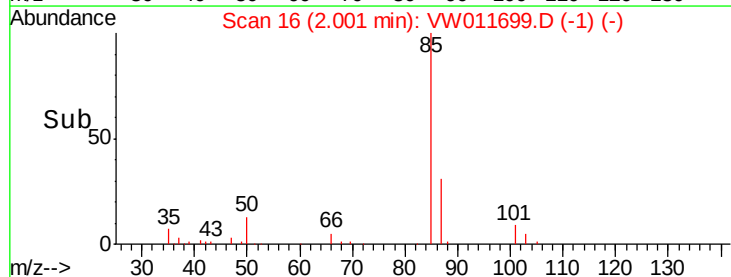
1.90

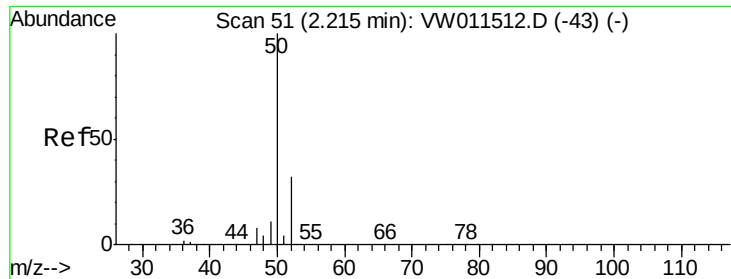
2.00

2.10

2.20

Time-->





#3

Chloromethane

Concen: 49.236 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW011699.D

Acq: 04 Aug 2019 07:43

Instrument :

MSVOA_W

ClientSampleId :

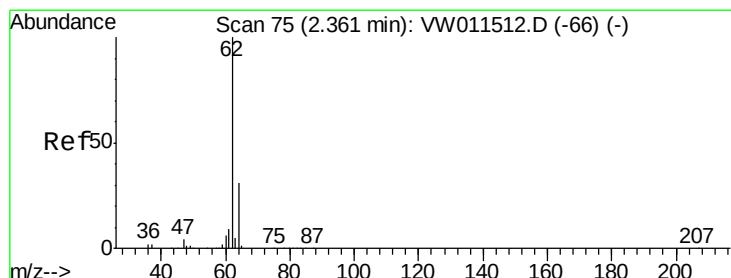
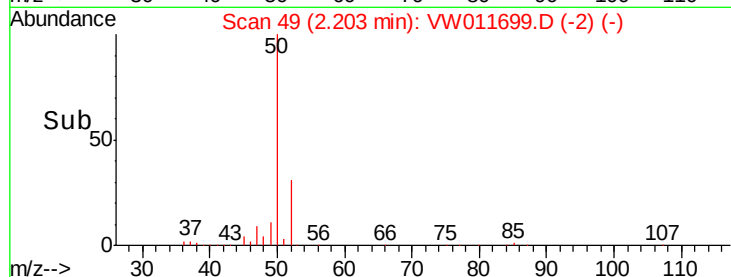
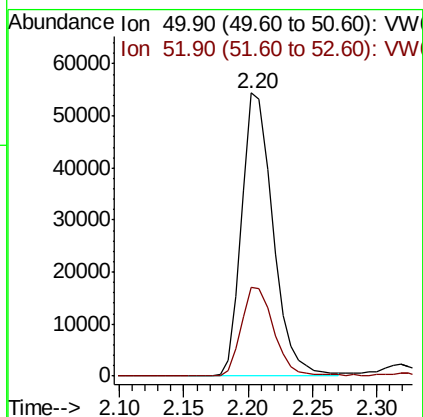
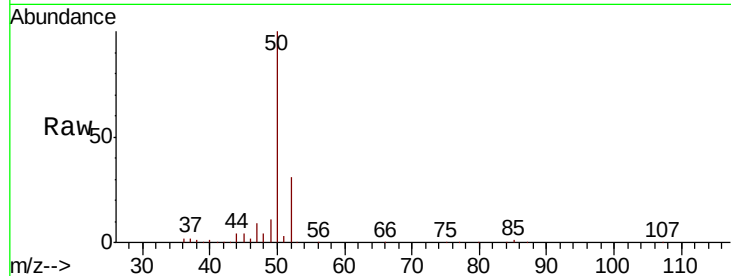
VSTDCCC050EC

Tot Ion: 50 Resp: 91207

Ion Ratio Lower Upper

50 100

52 31.2 25.4 38.2



#4

Vinyl Chloride

Concen: 51.729 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011699.D

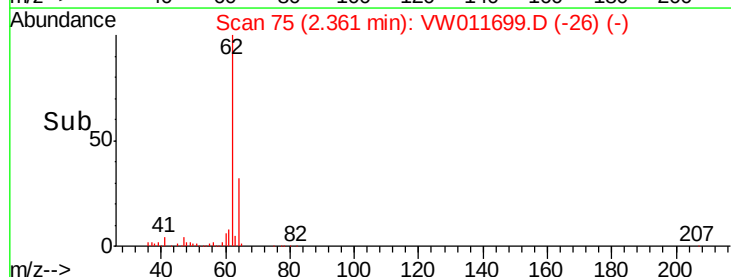
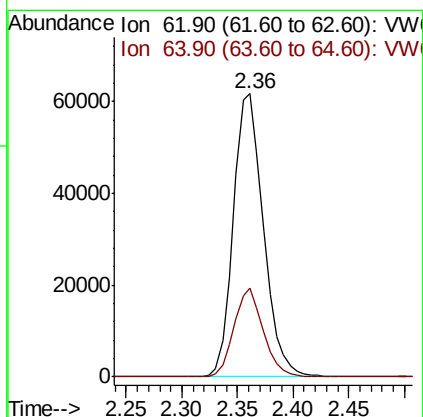
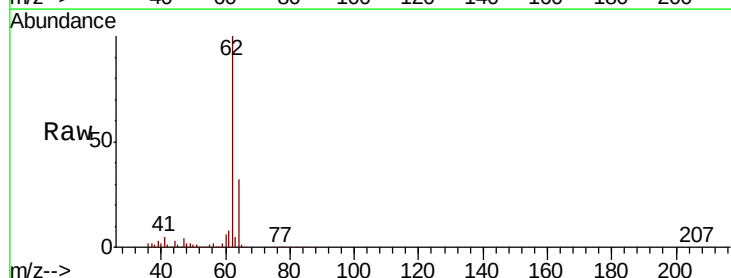
Acq: 04 Aug 2019 07:43

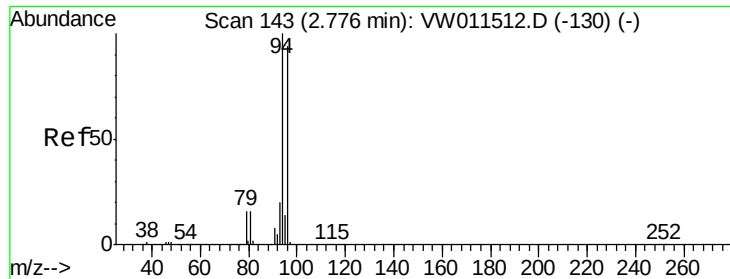
Tgt Ion: 62 Resp: 115365

Ion Ratio Lower Upper

62 100

64 31.5 25.0 37.4





#5

Bromomethane

Concen: 42.395 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.03 min

Lab File: VW011699.D

Acq: 04 Aug 2019 07:43

Instrument :

MSVOA_W

ClientSampleId :

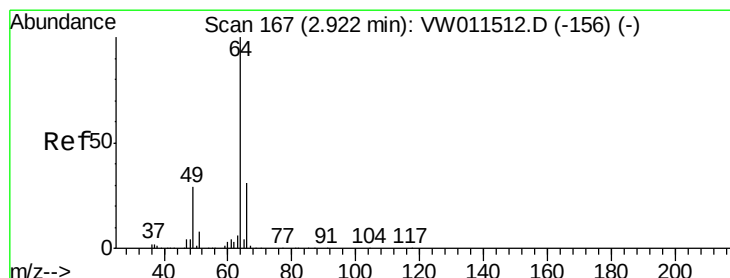
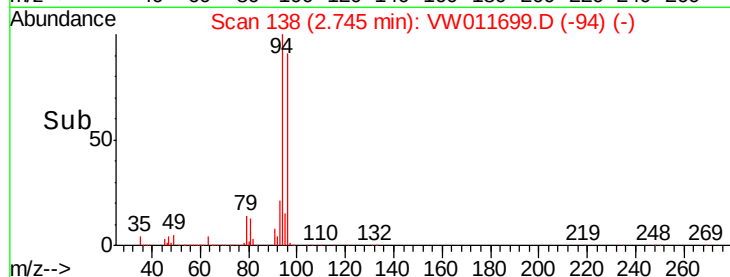
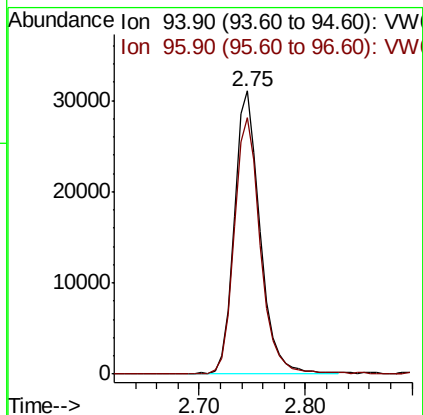
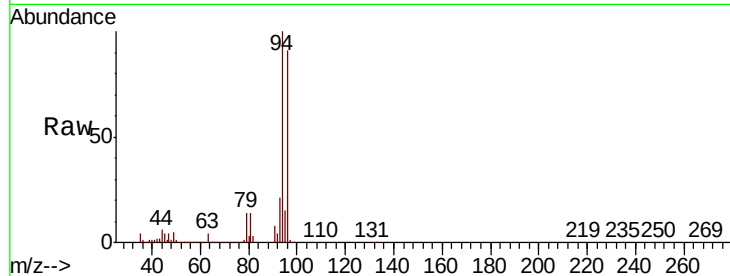
VSTDCCC050EC

Tot Ion: 94 Resp: 52334

Ion Ratio Lower Upper

94 100

96 90.6 75.0 112.6



#6

Chloroethane

Concen: 49.270 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.02 min

Lab File: VW011699.D

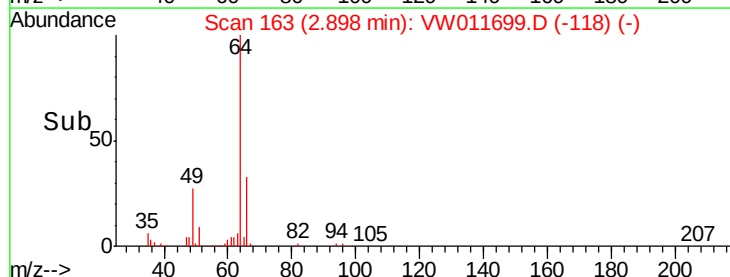
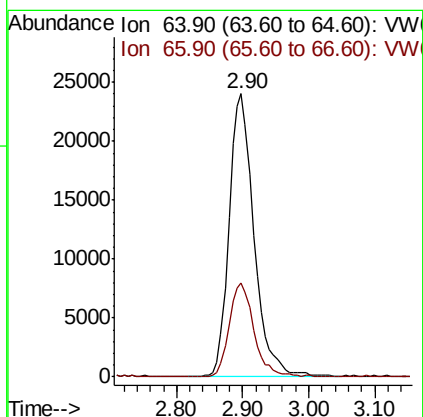
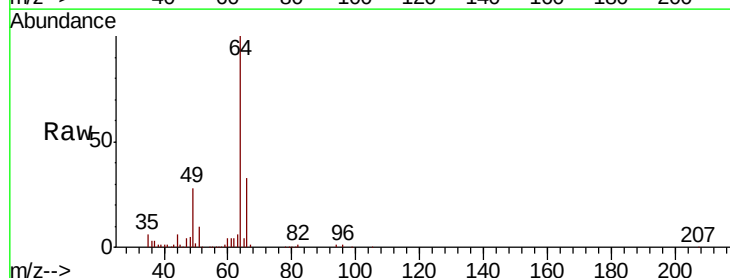
Acq: 04 Aug 2019 07:43

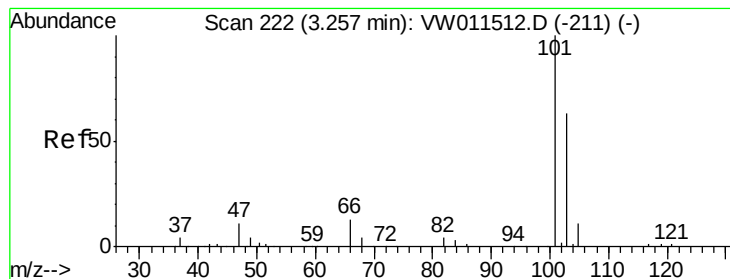
Tgt Ion: 64 Resp: 62766

Ion Ratio Lower Upper

64 100

66 33.0 24.6 36.8



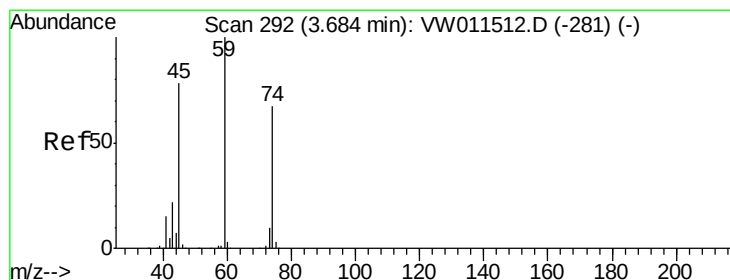
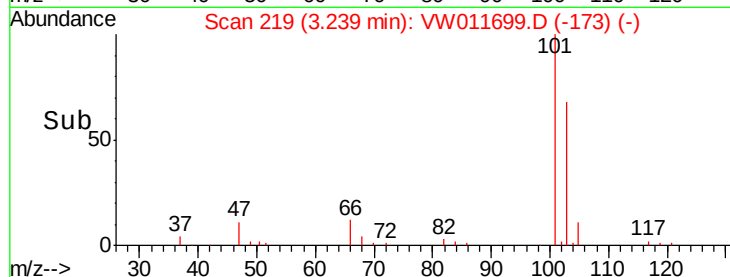
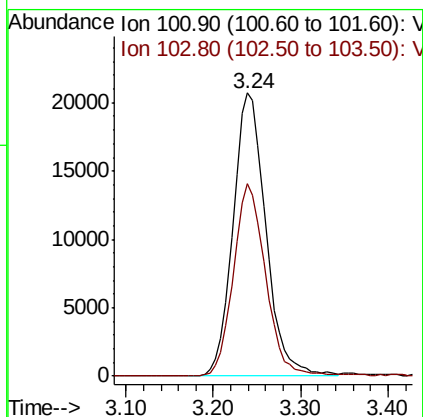
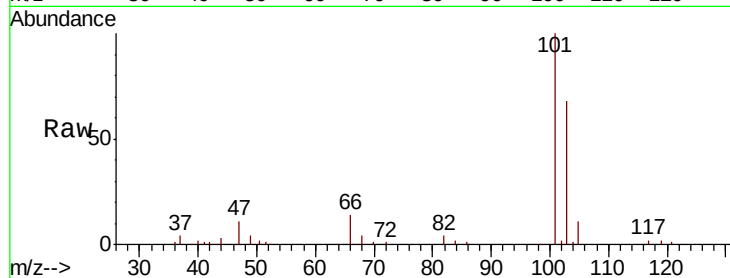


#7

Trichlorofluoromethane
 Concen: 54.271 ug/l
 RT: 3.24 min Scan# 219
 Delta R.T. -0.02 min
 Lab File: VW011699.D
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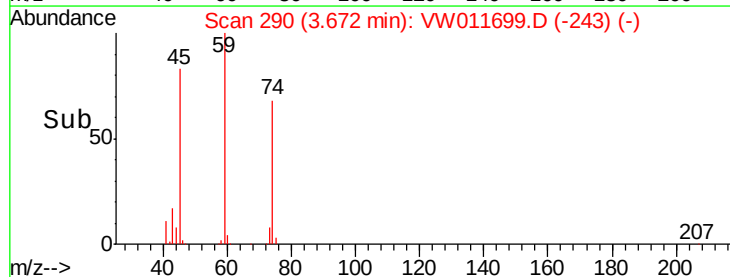
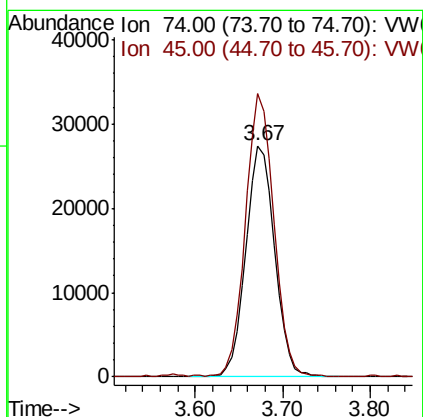
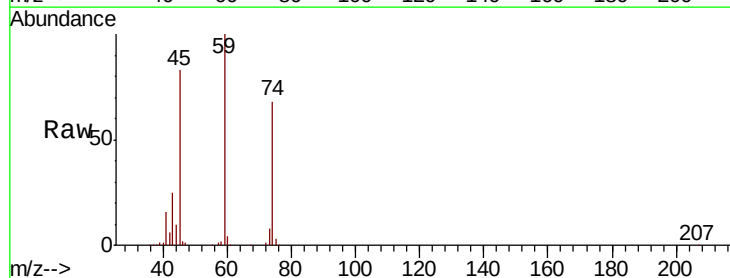
Tot Ion:101 Resp: 54092
 Ion Ratio Lower Upper
 101 100
 103 67.8 50.2 75.4

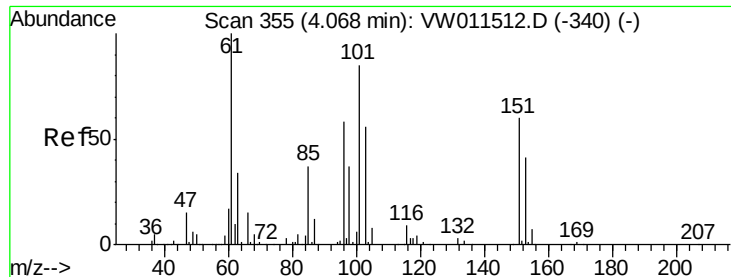


#8

Diethyl Ether
 Concen: 55.589 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW011699.D
 Acq: 04 Aug 2019 07:43

Tgt Ion: 74 Resp: 62820
 Ion Ratio Lower Upper
 74 100
 45 119.8 59.6 178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.178 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.02 min

Lab File: VW011699.D

Acq: 04 Aug 2019 07:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

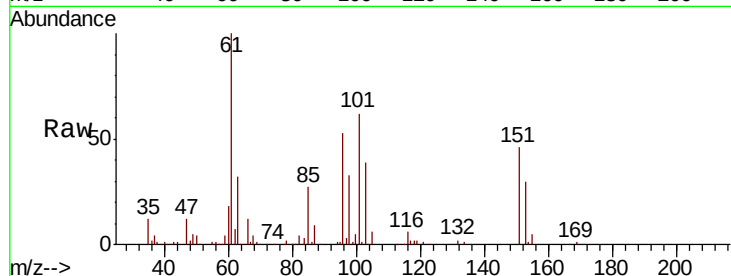
Tot Ion:101 Resp: 106217

Ion Ratio Lower Upper

101 100

85 45.1 36.6 54.8

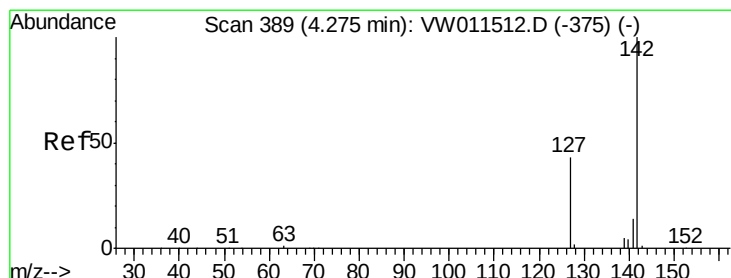
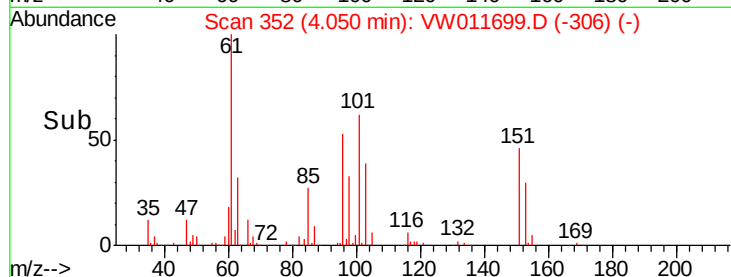
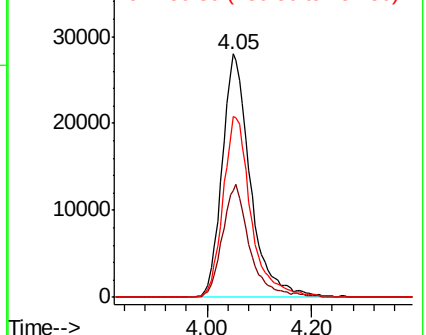
151 74.1 60.2 90.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.467 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW011699.D

Acq: 04 Aug 2019 07:43

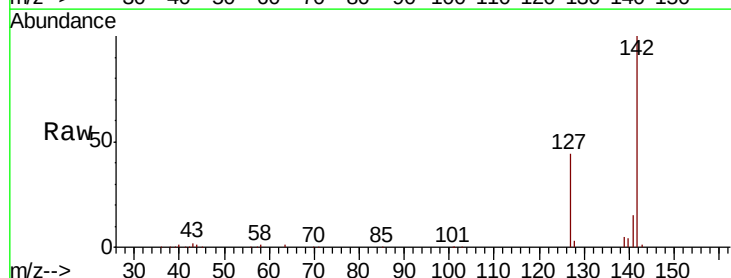
Tgt Ion:142 Resp: 137516

Ion Ratio Lower Upper

142 100

127 44.8 35.0 52.6

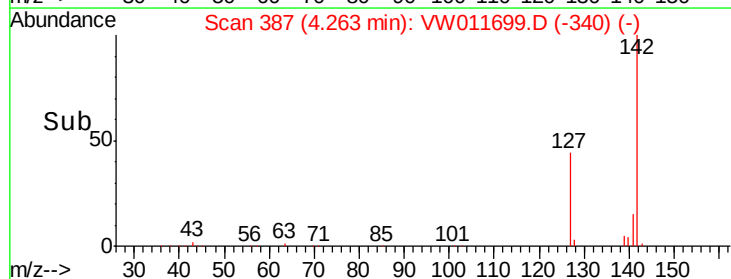
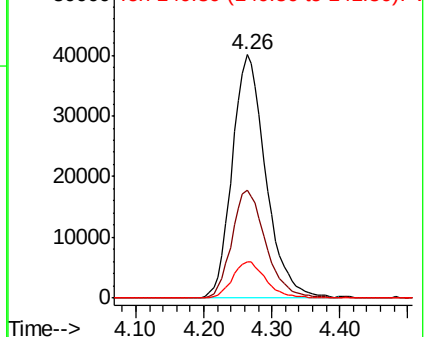
141 15.0 11.9 17.9

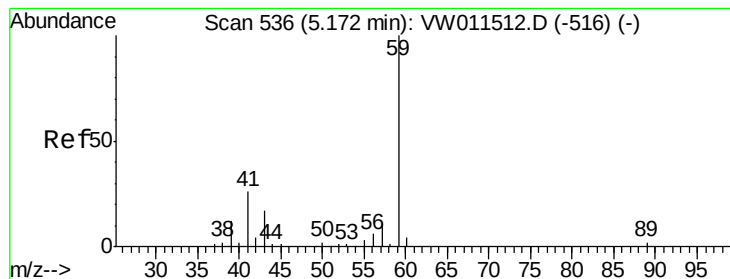


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



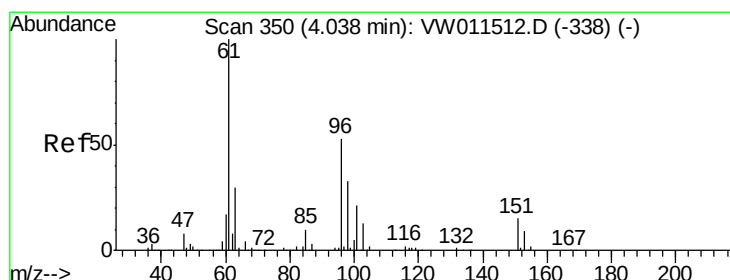
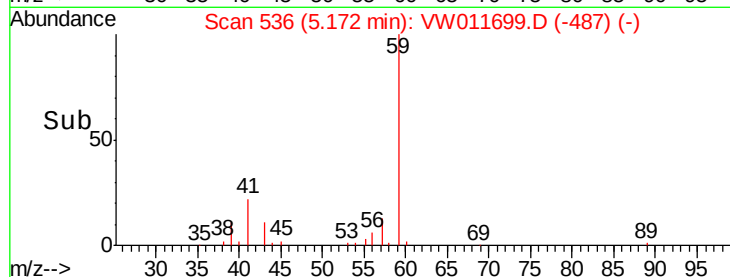
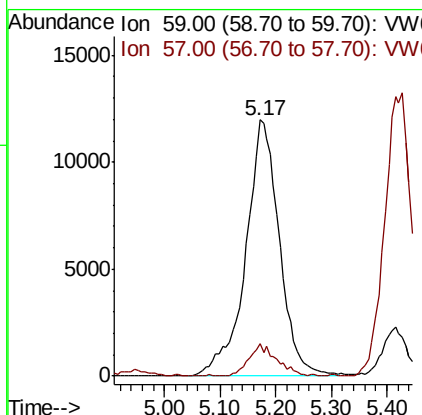
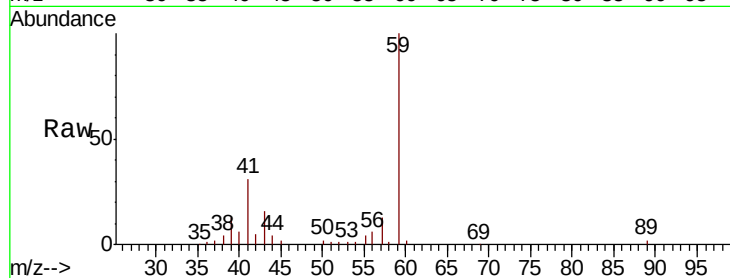


#11

Tert butyl alcohol
 Concen: 316.224 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VW011699.D
 Acq: 04 Aug 2019 07:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

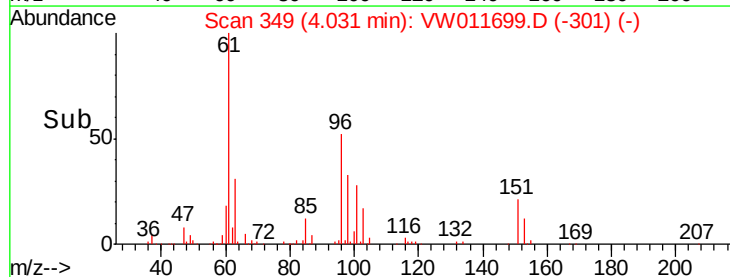
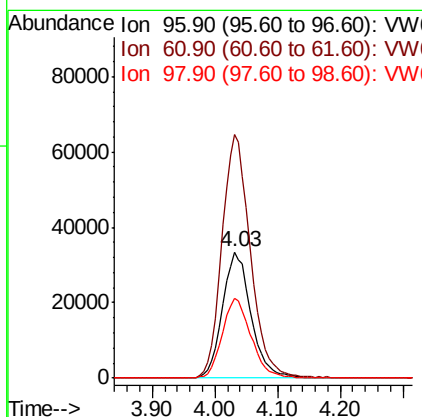
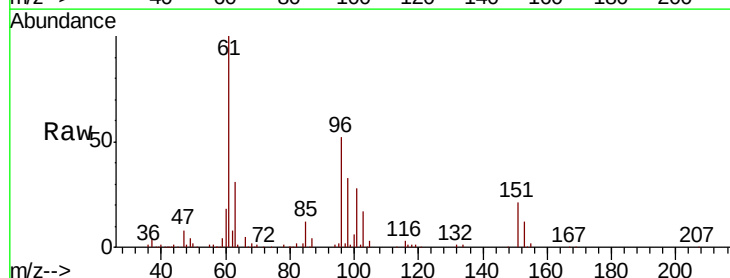
Tot Ion: 59 Resp: 50600
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.5 12.7

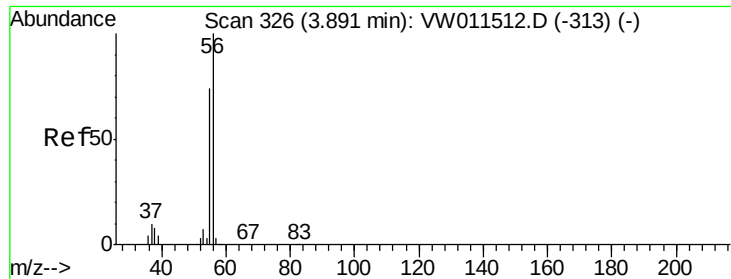


#12

1,1-Dichloroethene
 Concen: 52.706 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW011699.D
 Acq: 04 Aug 2019 07:43

Tgt Ion: 96 Resp: 105217
 Ion Ratio Lower Upper
 96 100
 61 192.8 149.9 224.9
 98 63.6 49.1 73.7

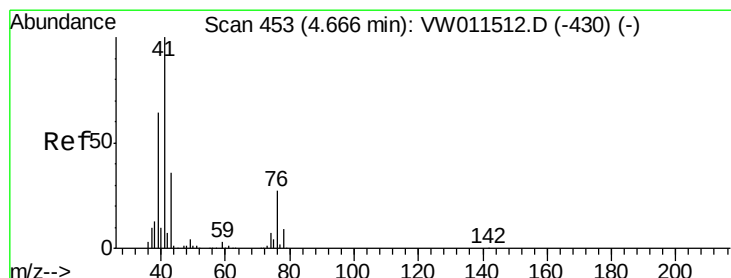
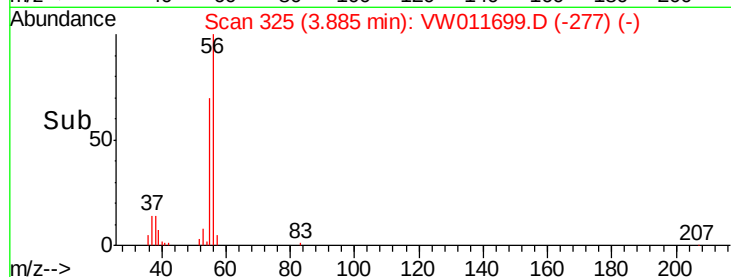
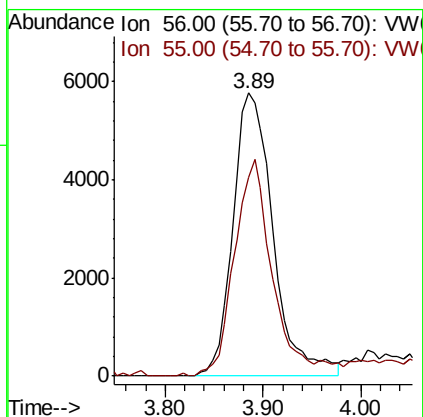
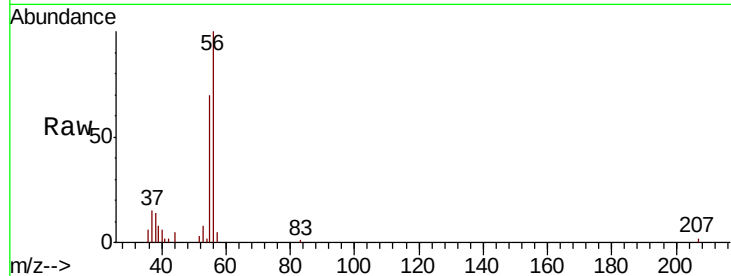




#13
 Acrolein
 Concen: 104.449 ug/l
 RT: 3.89 min Scan# 325
 Delta R.T. -0.01 min
 Lab File: VW011699.D
 Acq: 04 Aug 2019 07:43

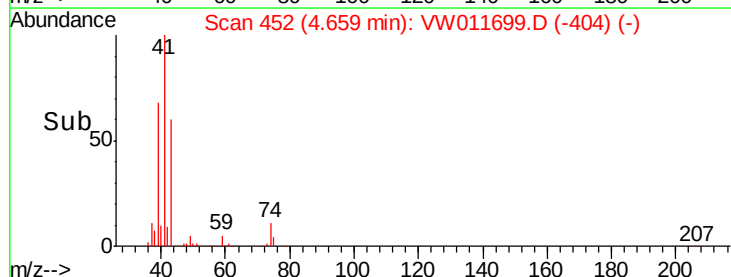
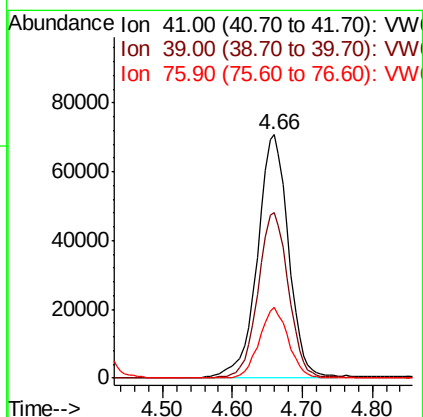
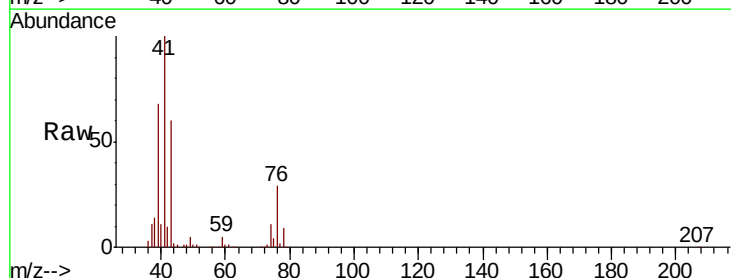
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

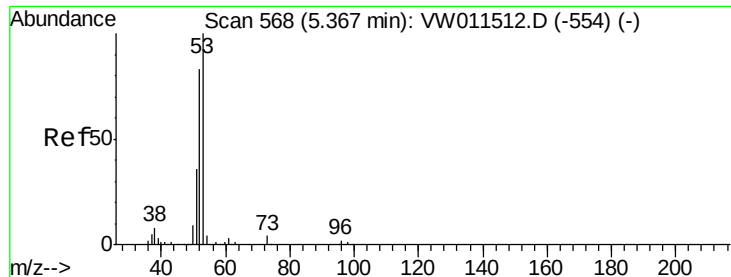
Tot Ion: 56 Resp: 16496
 Ion Ratio Lower Upper
 56 100
 55 70.6 56.0 84.0



#14
 Allyl chloride
 Concen: 51.569 ug/l
 RT: 4.66 min Scan# 452
 Delta R.T. -0.01 min
 Lab File: VW011699.D
 Acq: 04 Aug 2019 07:43

Tgt Ion: 41 Resp: 218962
 Ion Ratio Lower Upper
 41 100
 39 66.7 52.6 78.8
 76 26.9 22.0 33.0





#15

Acrylonitrile

Concen: 323.830 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW011699.D

Acq: 04 Aug 2019 07:43

Instrument :

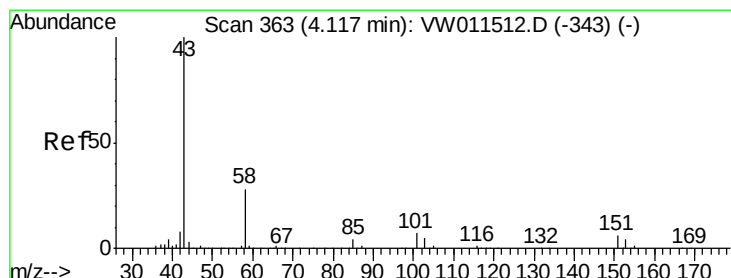
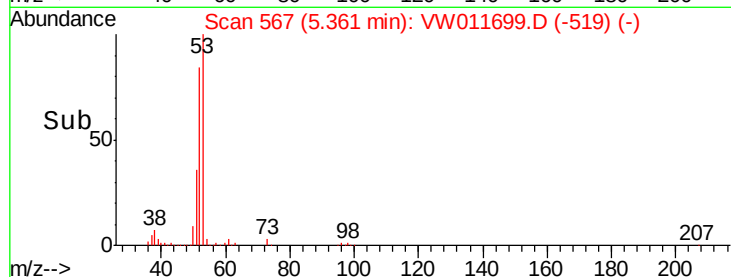
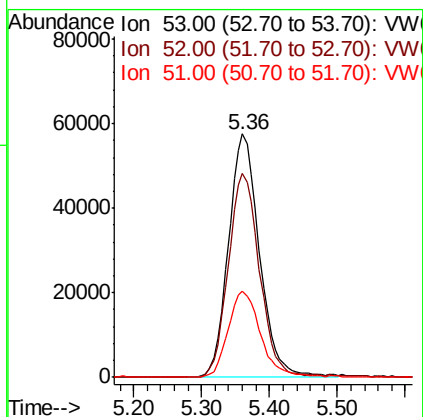
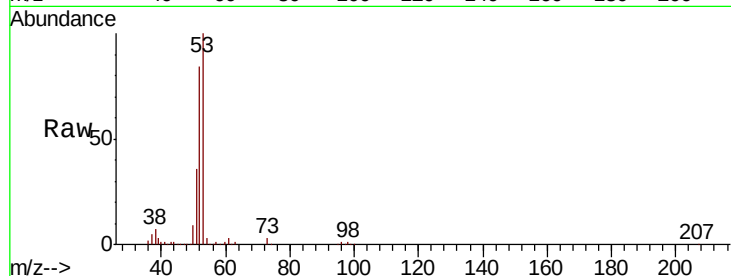
MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 53 Resp: 182680

Ion	Ratio	Lower	Upper
53	100		
52	84.4	67.2	100.8
51	37.0	30.0	45.0



#16

Acetone

Concen: 220.408 ug/l

RT: 4.12 min Scan# 363

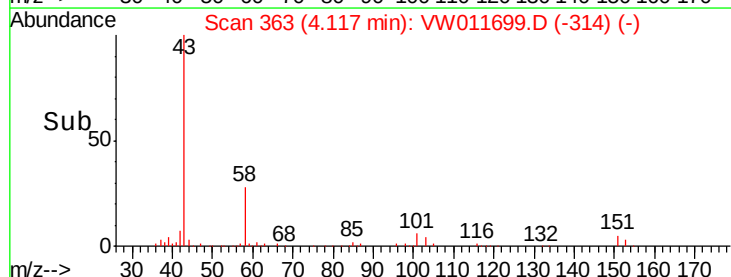
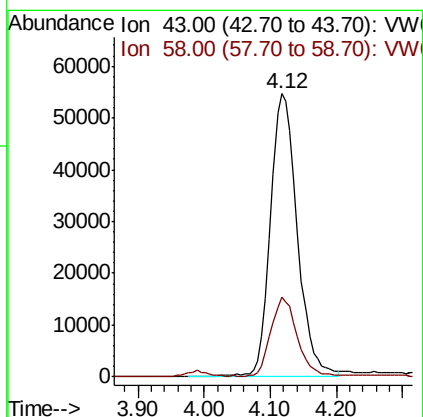
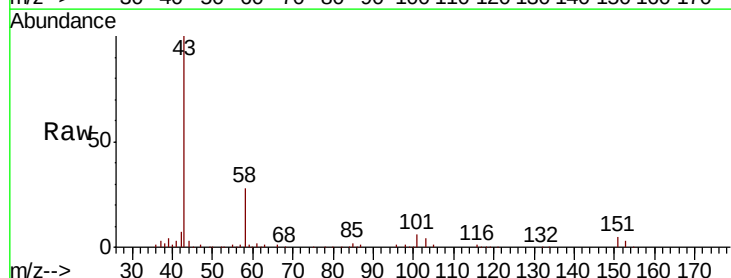
Delta R.T. -0.00 min

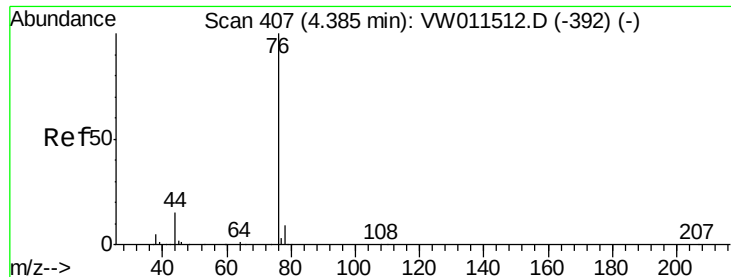
Lab File: VW011699.D

Acq: 04 Aug 2019 07:43

Tgt Ion: 43 Resp: 154320

Ion	Ratio	Lower	Upper
43	100		
58	27.6	22.3	33.5





#17

Carbon Disulfide

Concen: 49.802 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW011699.D

Acq: 04 Aug 2019 07:43

Instrument :

MSVOA_W

ClientSampleId :

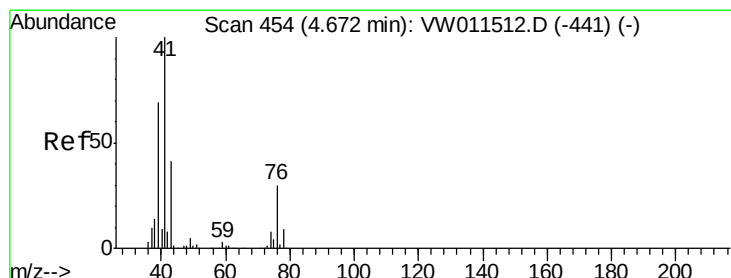
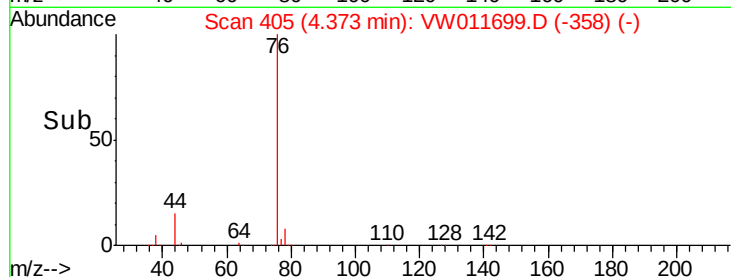
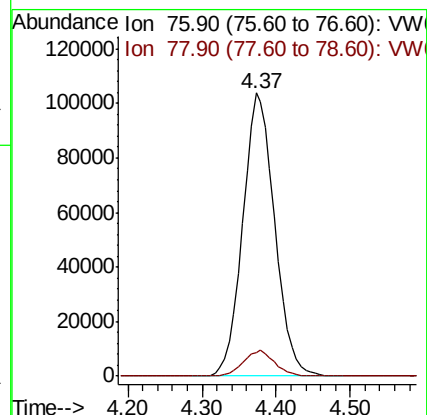
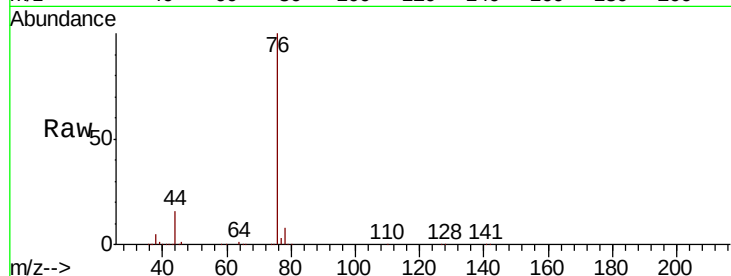
VSTDCCC050EC

Tot Ion: 76 Resp: 311170

Ion Ratio Lower Upper

76 100

78 8.4 7.1 10.7



#18

Methyl Acetate

Concen: 82.283 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW011699.D

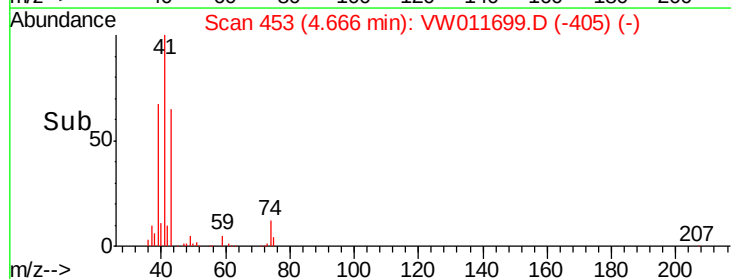
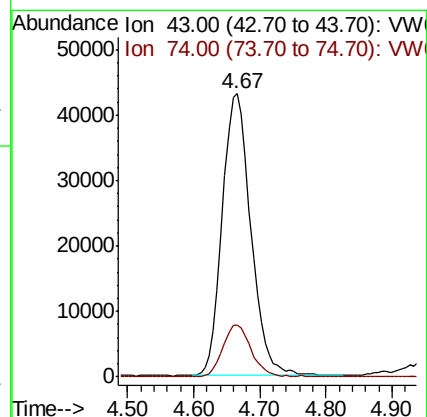
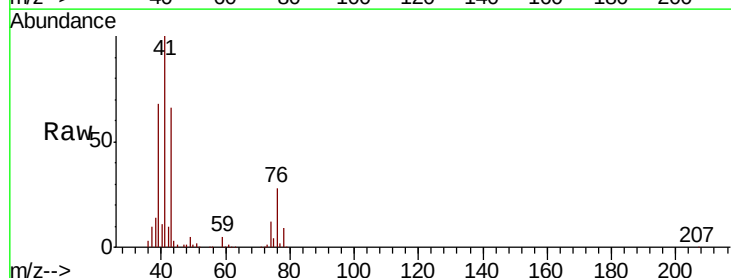
Acq: 04 Aug 2019 07:43

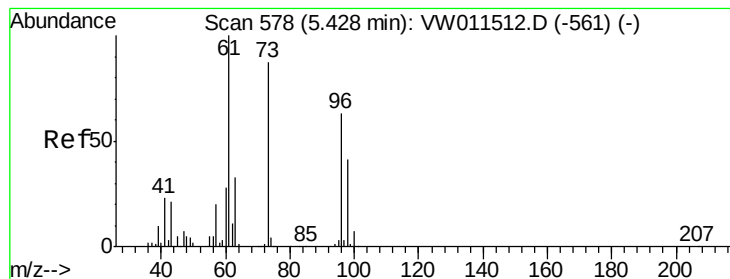
Tgt Ion: 43 Resp: 129422

Ion Ratio Lower Upper

43 100

74 18.3 15.9 23.9



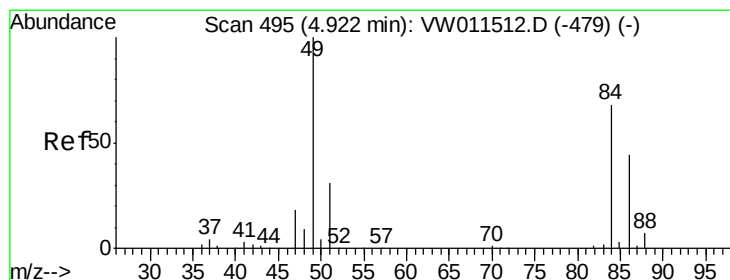
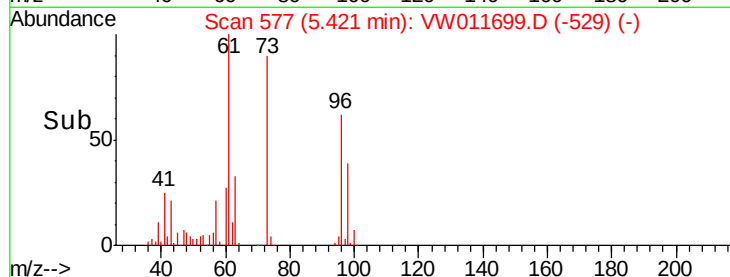
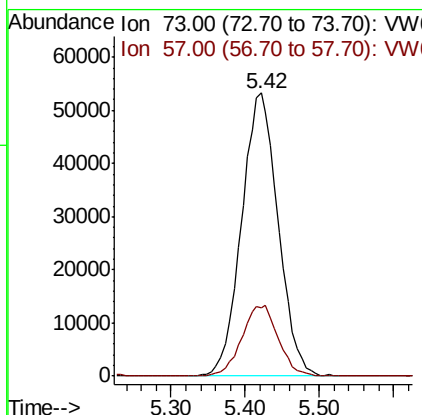
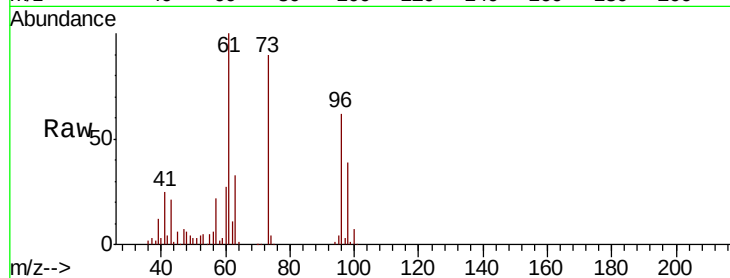


#19

Methyl tert-butyl Ether
 Concen: 57.755 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW011699.D
 Acq: 04 Aug 2019 07:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

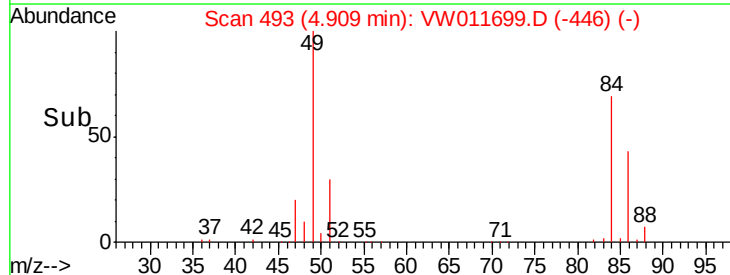
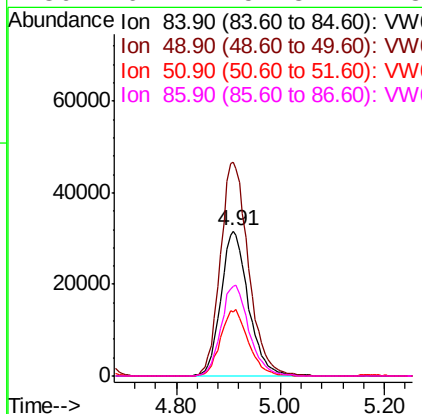
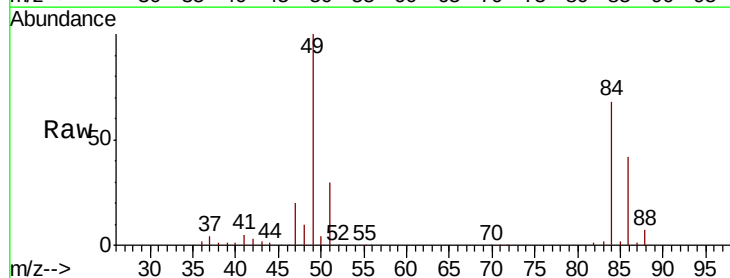
Tot Ion: 73 Resp: 182962
 Ion Ratio Lower Upper
 73 100
 57 24.0 18.4 27.6

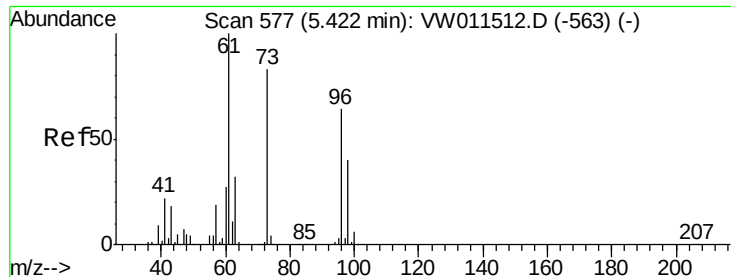


#20

Methylene Chloride
 Concen: 48.676 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW011699.D
 Acq: 04 Aug 2019 07:43

Tgt Ion: 84 Resp: 117537
 Ion Ratio Lower Upper
 84 100
 49 147.2 117.8 176.6
 51 44.0 37.0 55.4
 86 62.1 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 55.027 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW011699.D

Acq: 04 Aug 2019 07:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

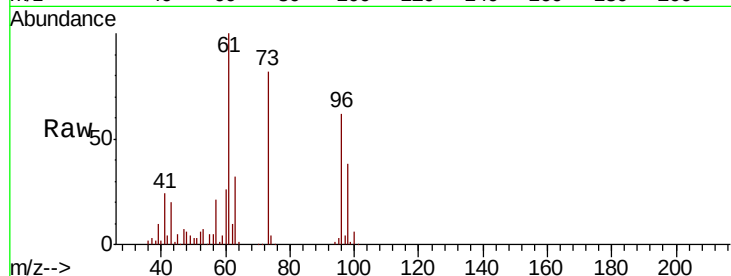
Tot Ion: 96 Resp: 118432

Ion Ratio Lower Upper

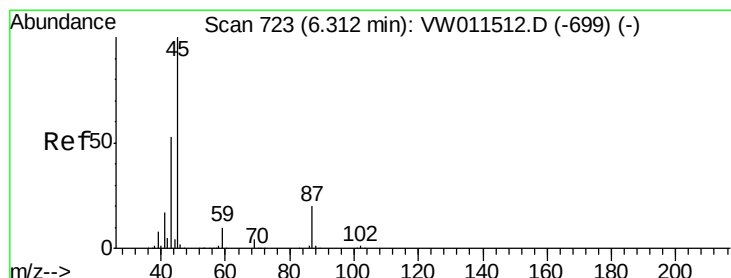
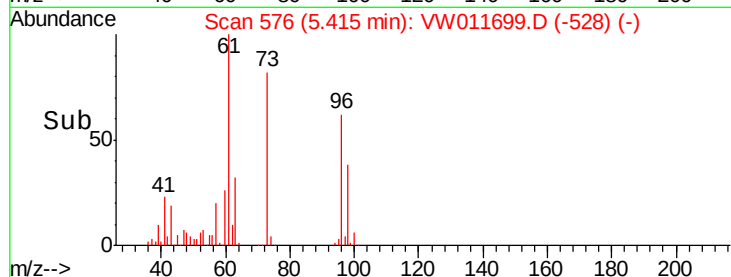
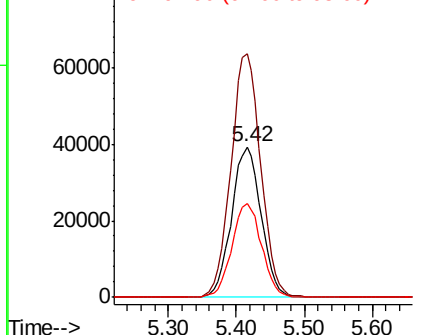
96 100

61 161.7 125.7 188.5

98 62.1 50.3 75.5



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: 55.344 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW011699.D

Acq: 04 Aug 2019 07:43

Tgt Ion: 45 Resp: 443044

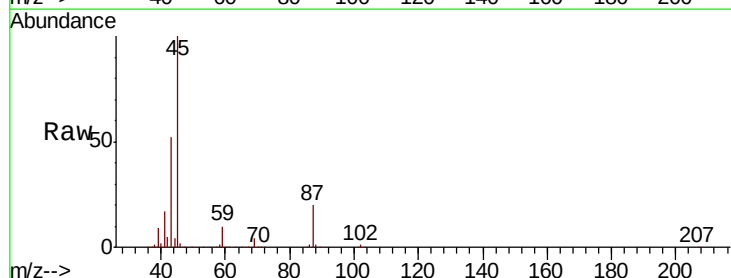
Ion Ratio Lower Upper

45 100

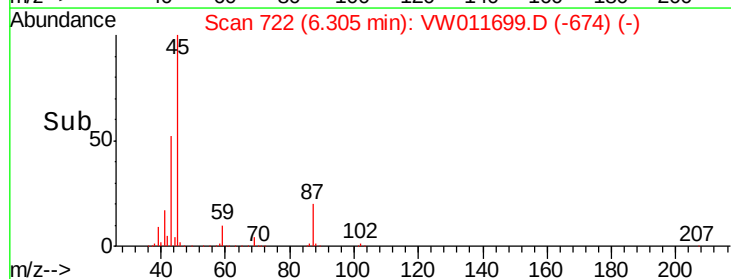
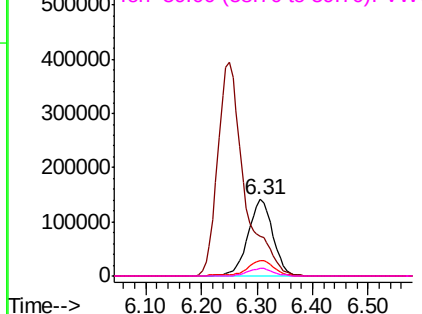
43 51.7 42.6 63.8

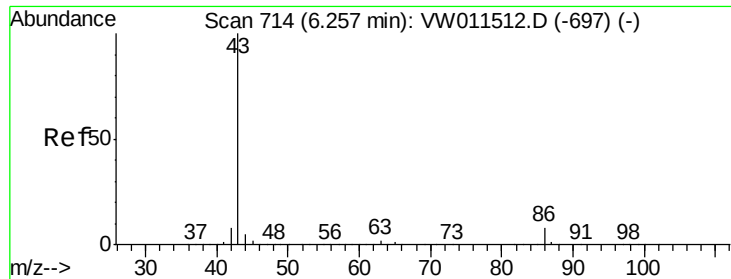
87 20.3 16.4 24.6

59 9.6 8.2 12.2



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: 259.761 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011699.D

Acq: 04 Aug 2019 07:43

Instrument :

MSVOA_W

ClientSampleId :

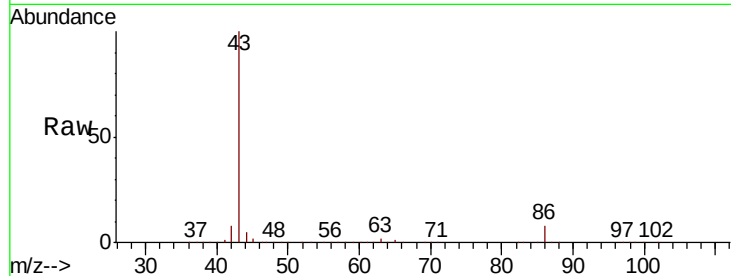
VSTDCCC050EC

Tot Ion: 43 Resp: 1306629

Ion Ratio Lower Upper

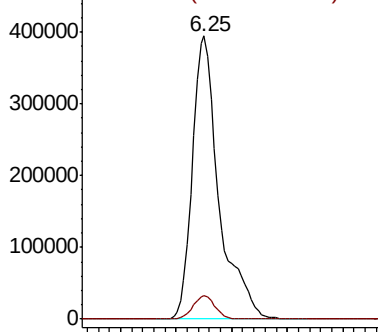
43 100

86 8.3 6.5 9.7

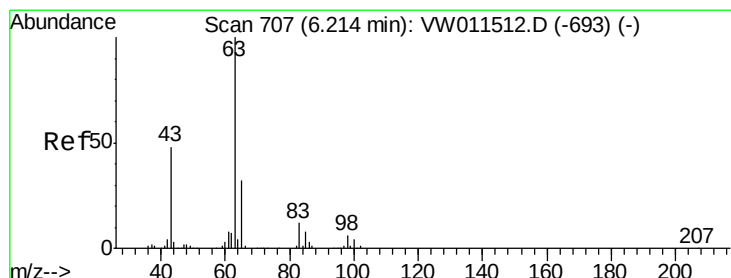
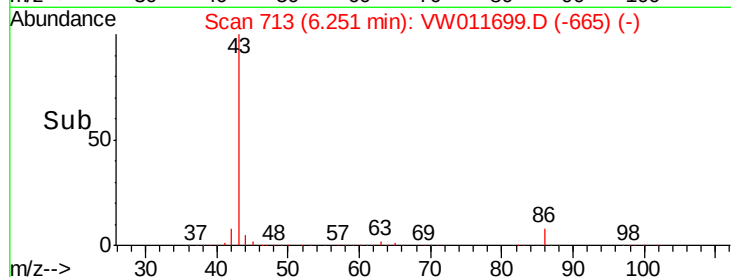


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 55.167 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW011699.D

Acq: 04 Aug 2019 07:43

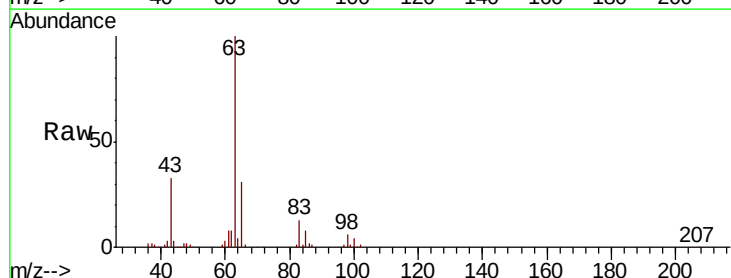
Tgt Ion: 63 Resp: 236521

Ion Ratio Lower Upper

63 100

98 6.4 2.9 8.8

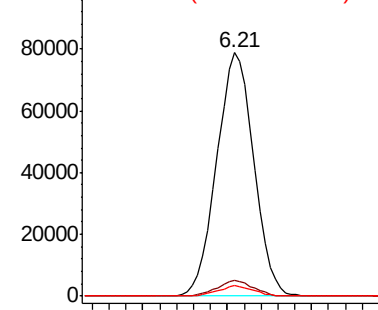
100 4.2 2.1 6.3



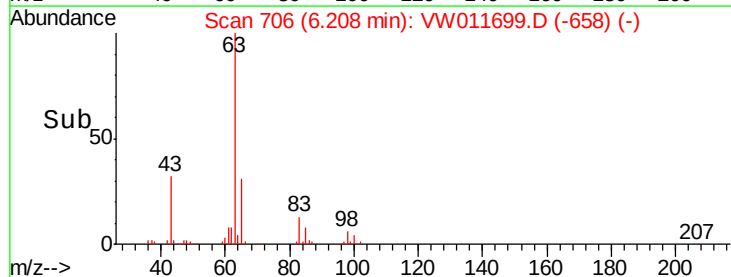
Abundance Ion 62.90 (62.60 to 63.60): VW

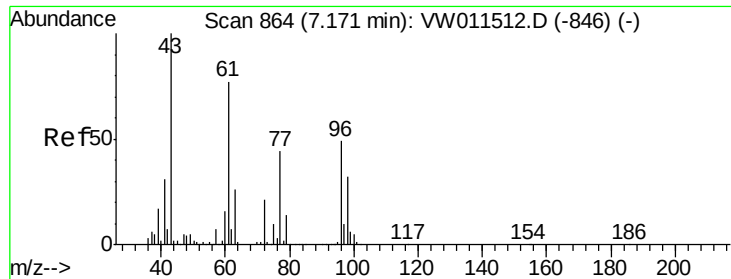
Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->

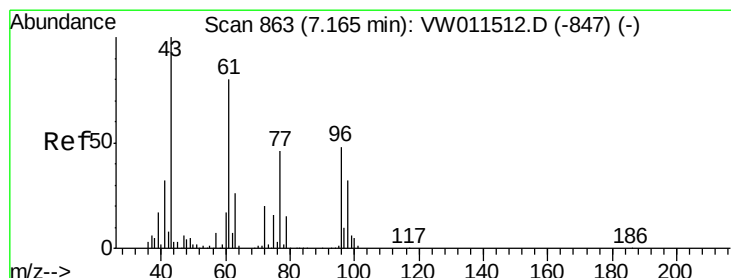
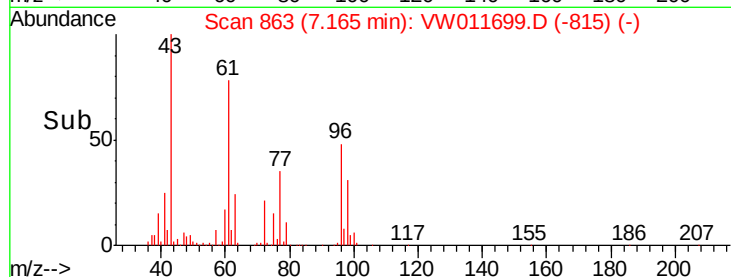
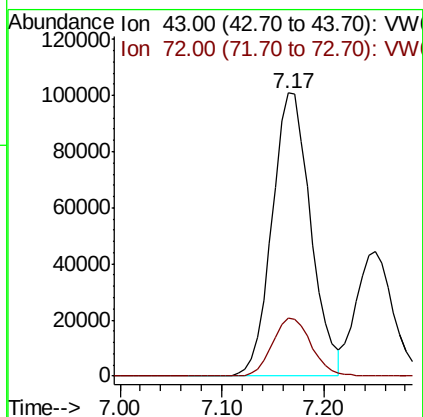
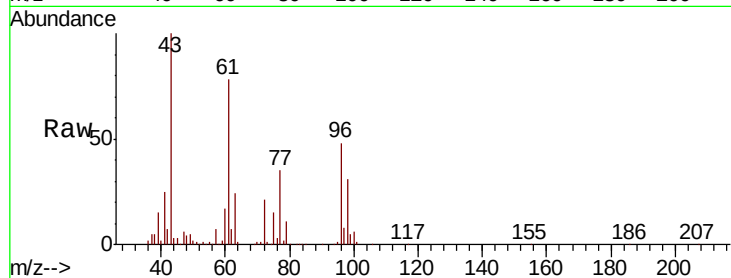




#25
 2-Butanone
 Concen: 288.959 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW011699.D
 Acq: 04 Aug 2019 07:43

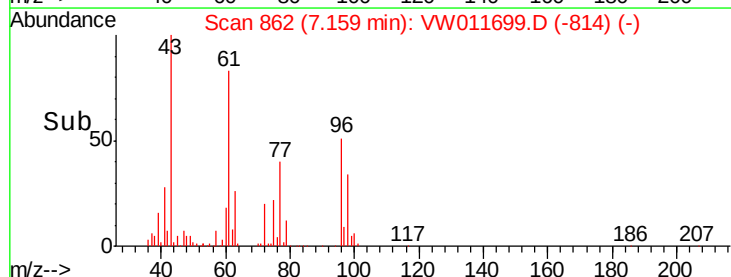
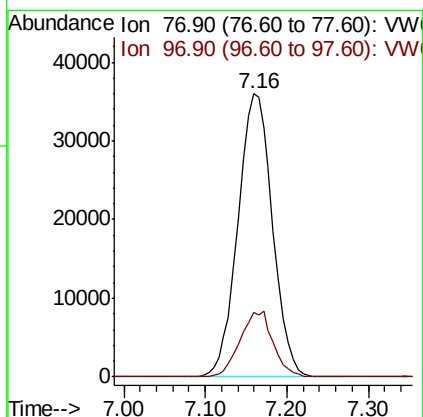
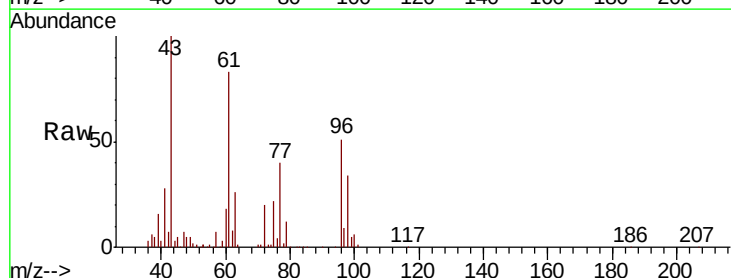
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

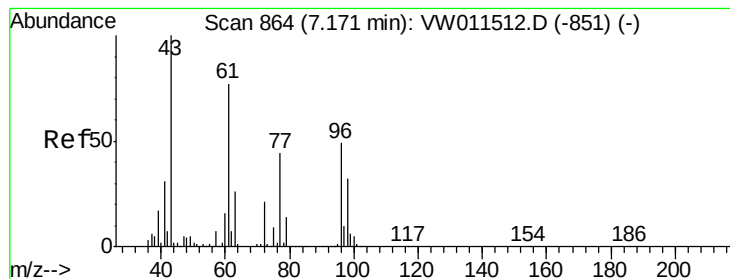
Tot Ion: 43 Resp: 264738
 Ion Ratio Lower Upper
 43 100
 72 20.5 16.6 24.8



#26
 2,2-Dichloropropane
 Concen: 40.049 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW011699.D
 Acq: 04 Aug 2019 07:43

Tgt Ion: 77 Resp: 105595
 Ion Ratio Lower Upper
 77 100
 97 22.3 10.8 32.4



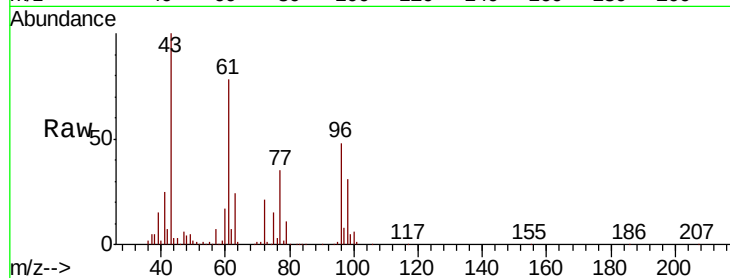


#27

cis-1,2-Dichloroethene
Concen: 52.942 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW011699.D
Acq: 04 Aug 2019 07:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	165.6	0.0	328.4
98	64.3	0.0	128.8

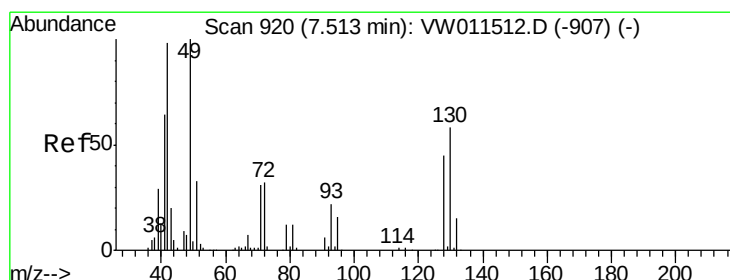
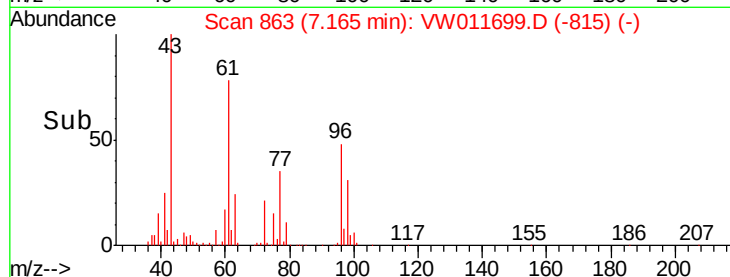
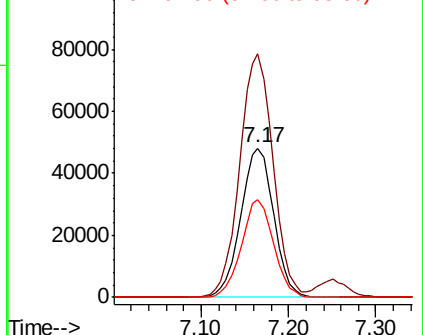


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

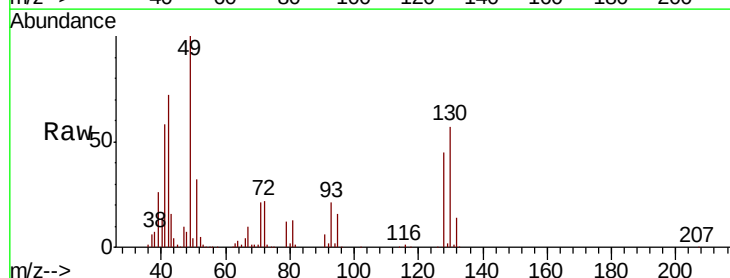
Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane
Concen: 56.971 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW011699.D
Acq: 04 Aug 2019 07:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	1.0
130	56.3	46.3	69.5

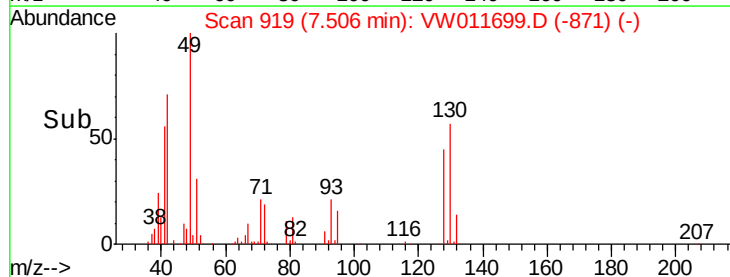
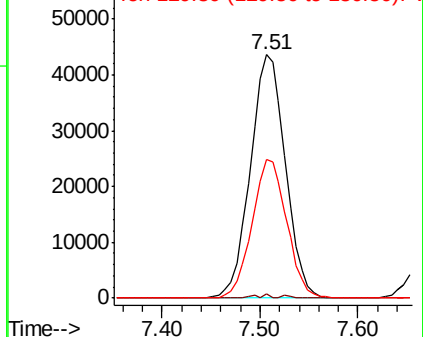


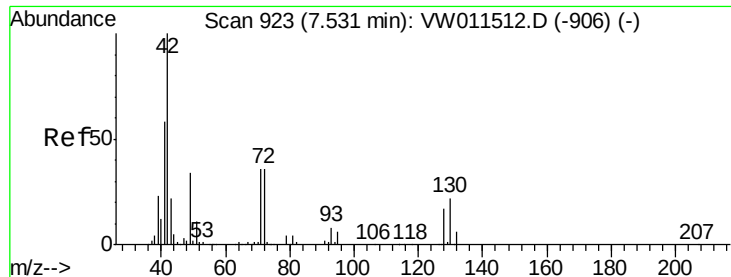
Abundance

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

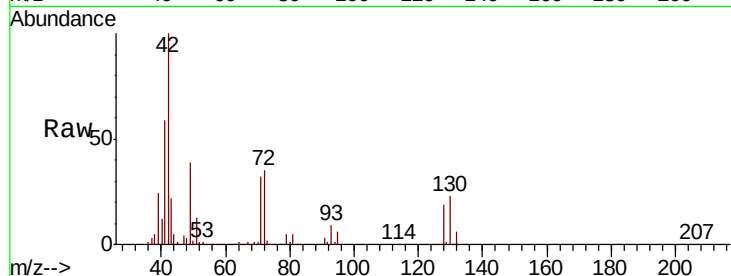




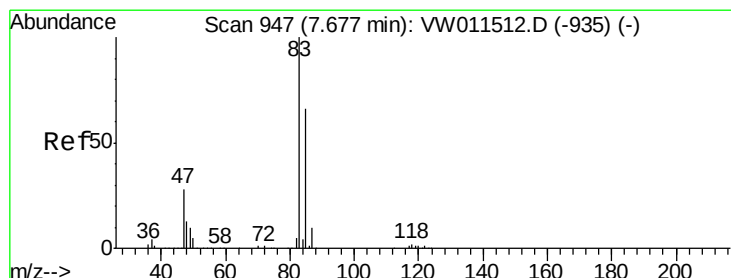
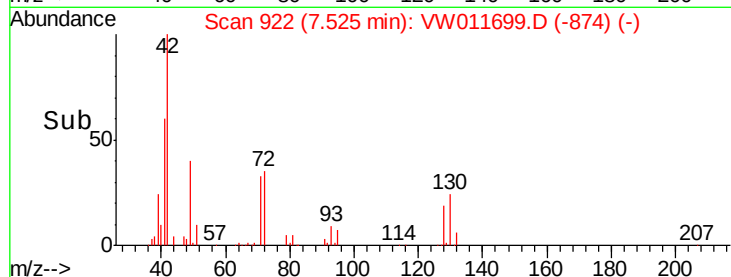
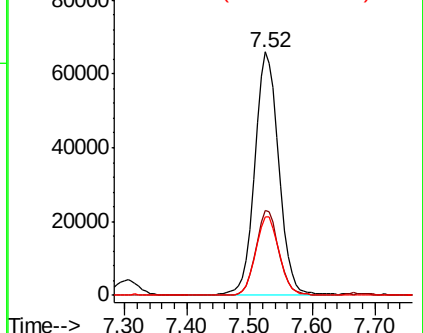
#29
Tetrahydrofuran
Concen: 334.283 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW011699.D
Acq: 04 Aug 2019 07:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 175062
Ion Ratio Lower Upper
42 100
72 33.4 27.1 40.7
71 31.8 26.2 39.4

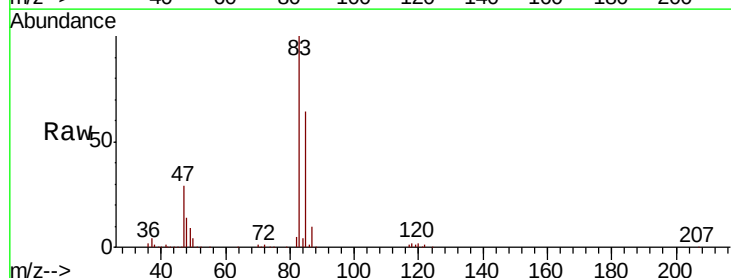


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

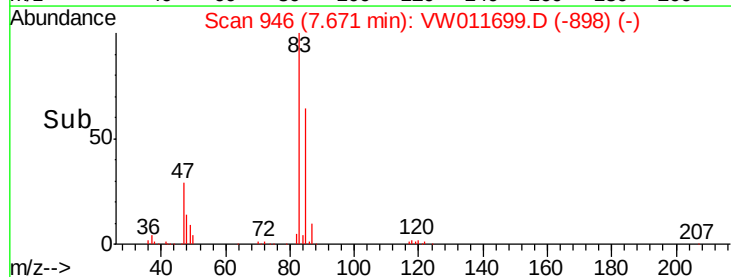
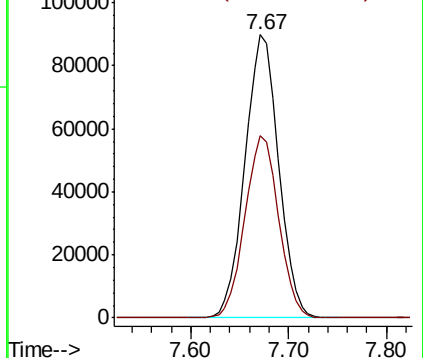


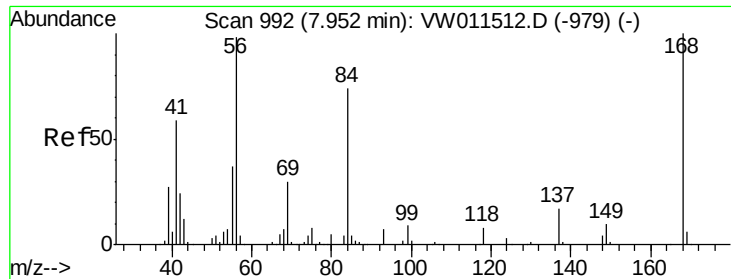
#30
Chloroform
Concen: 54.297 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011699.D
Acq: 04 Aug 2019 07:43

Tgt Ion: 83 Resp: 214764
Ion Ratio Lower Upper
83 100
85 64.2 52.5 78.7



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

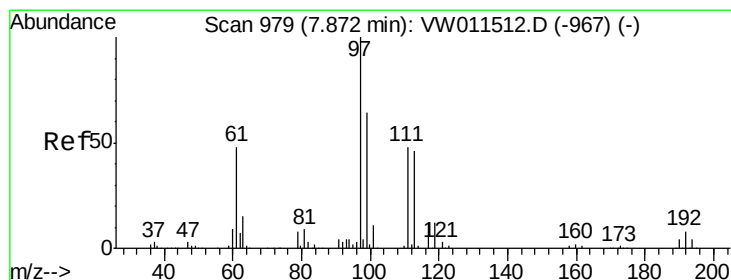
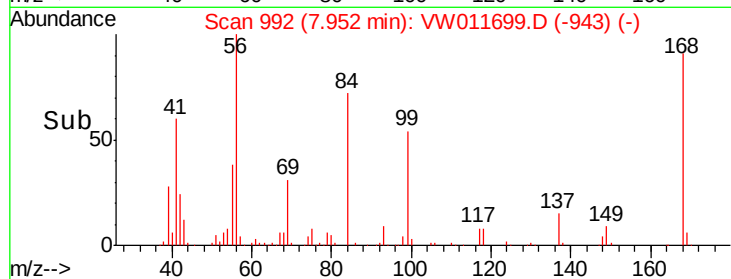
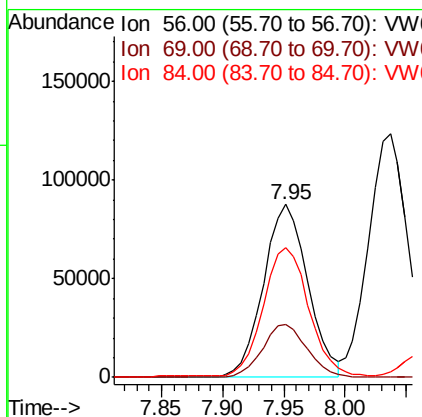
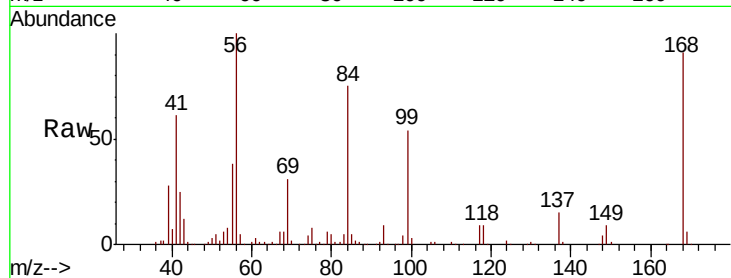




#31
Cyclohexane
Concen: 54.003 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011699.D
Acq: 04 Aug 2019 07:43

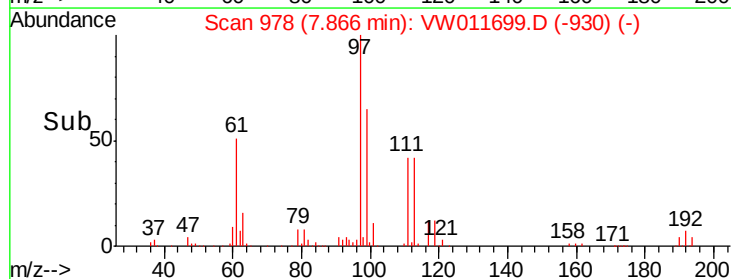
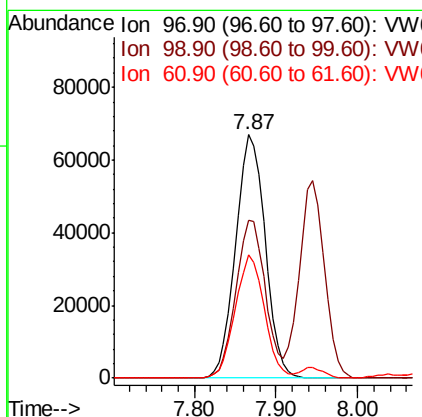
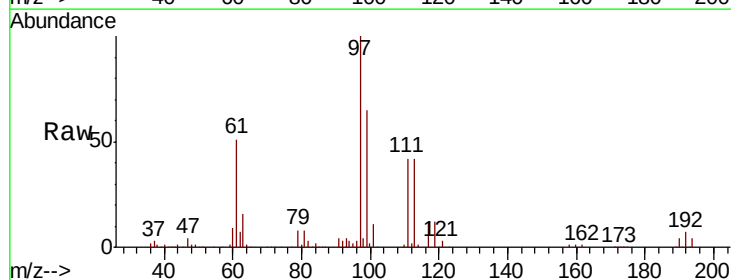
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

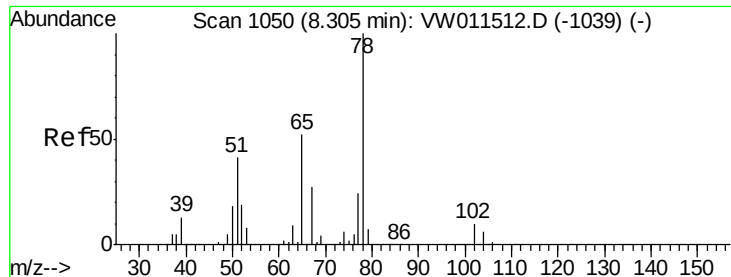
Tot Ion	Ratio	Lower	Upper
56	100		
69	30.6	24.3	36.5
84	73.4	60.4	90.6



#32
1,1,1-Trichloroethane
Concen: 55.883 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW011699.D
Acq: 04 Aug 2019 07:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.0	76.6
61	49.8	39.8	59.6

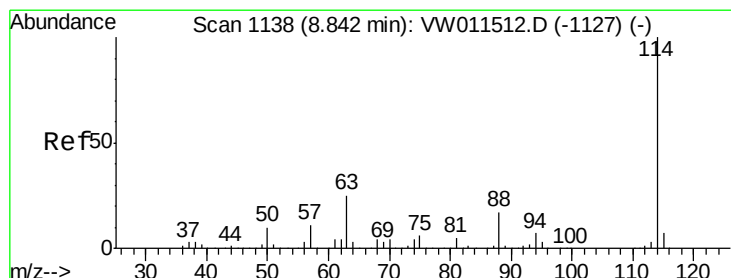
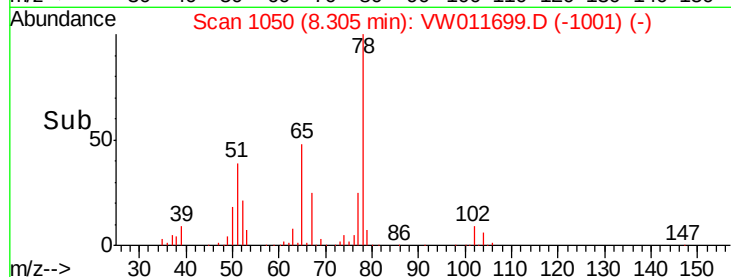
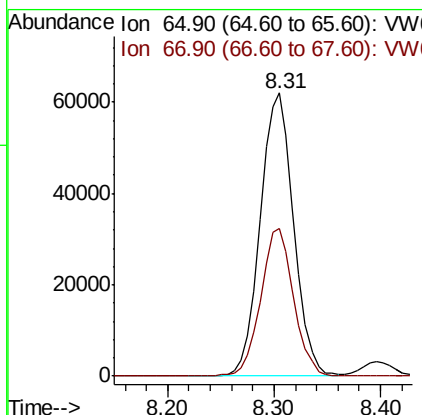
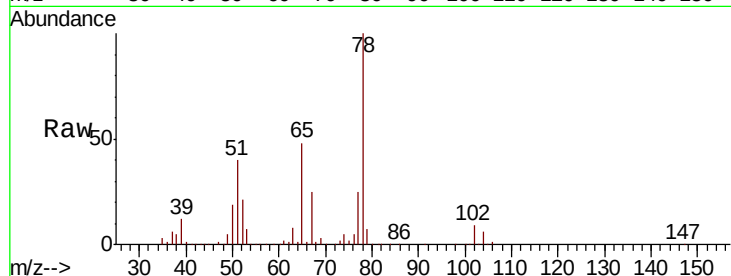




#33
 1,2-Dichloroethane-d4
 Concen: 61.534 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011699.D
 Acq: 04 Aug 2019 07:43

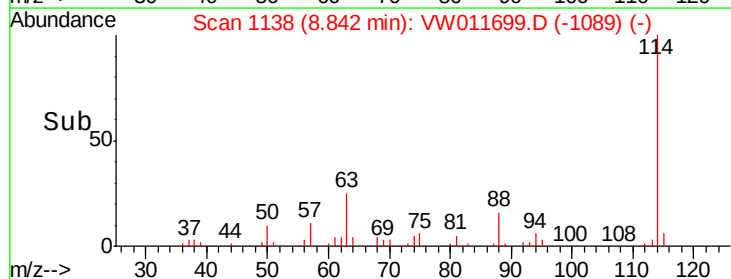
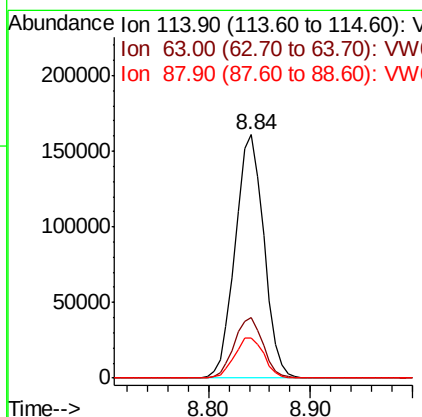
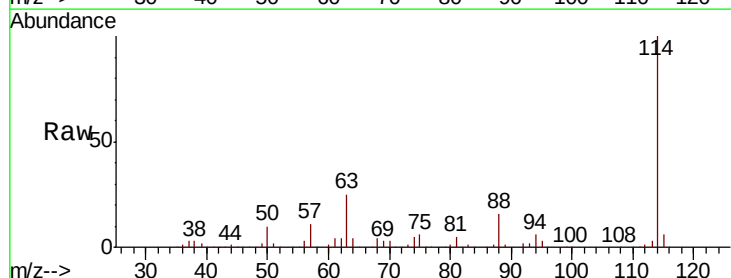
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

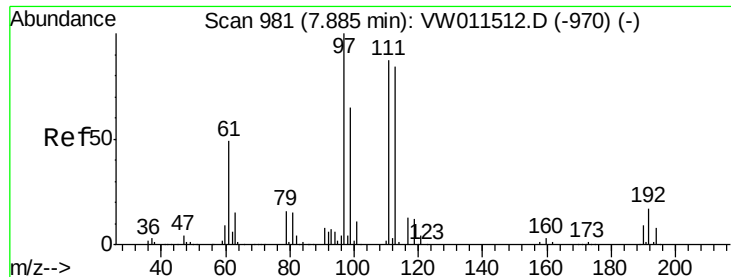
Tot Ion: 65 Resp: 135441
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011699.D
 Acq: 04 Aug 2019 07:43

Tgt Ion: 114 Resp: 312732
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 49.2
 88 16.3 0.0 33.8

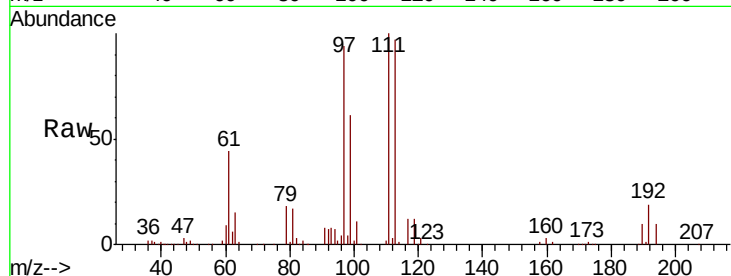




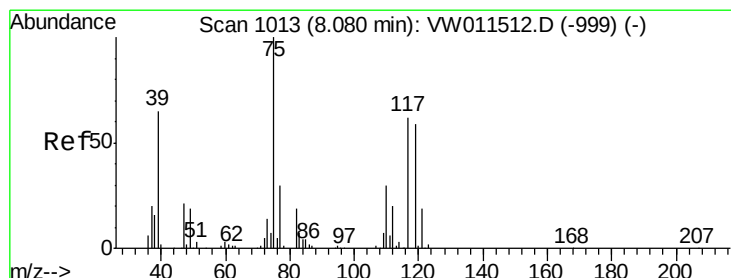
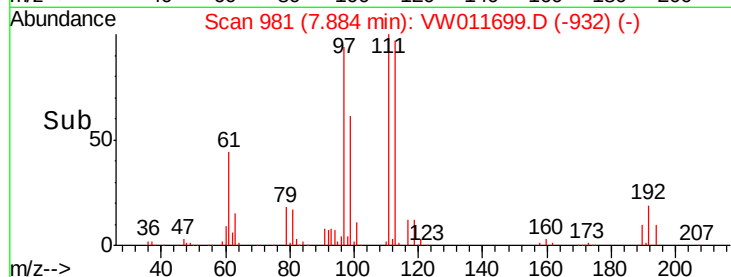
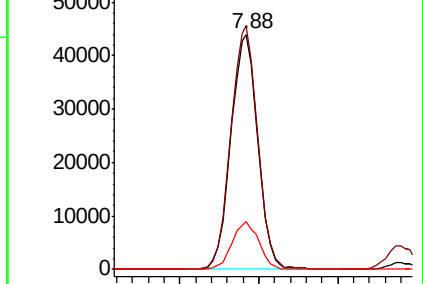
#35
 Dibromofluoromethane
 Concen: 59.178 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011699.D
 Acq: 04 Aug 2019 07:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:113 Resp: 103826
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.7 124.1
 192 20.1 16.1 24.1

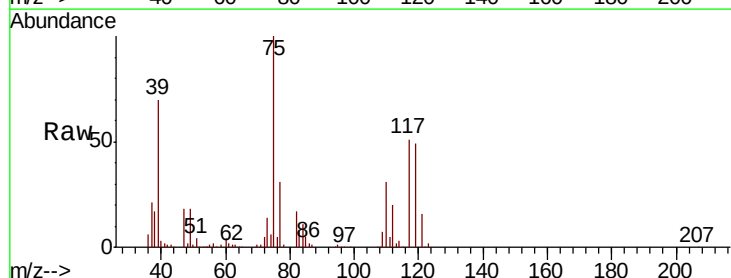


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

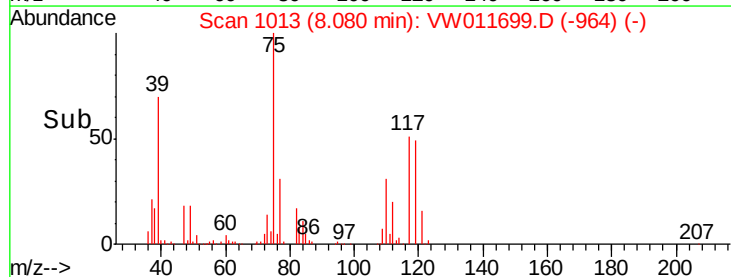
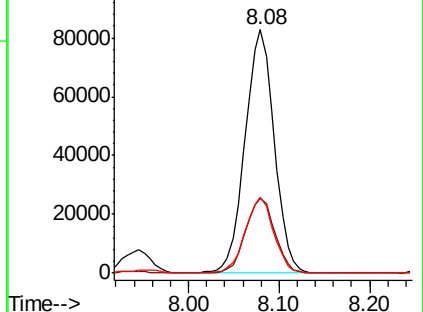


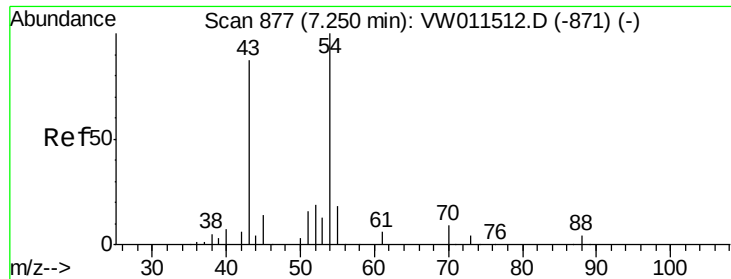
#36
 1,1-Dichloropropene
 Concen: 56.645 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW011699.D
 Acq: 04 Aug 2019 07:43

Tgt Ion: 75 Resp: 184199
 Ion Ratio Lower Upper
 75 100
 110 30.8 15.6 46.8
 77 30.5 24.3 36.5



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

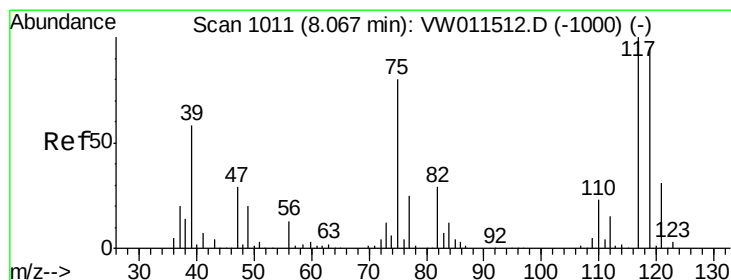
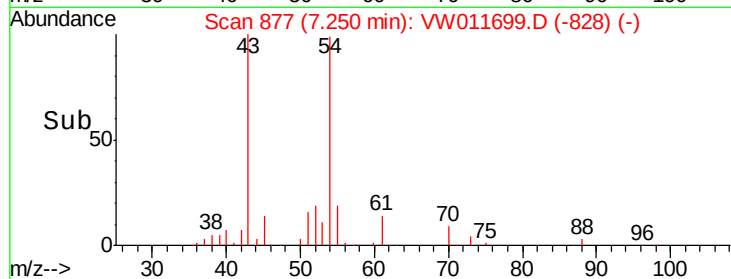
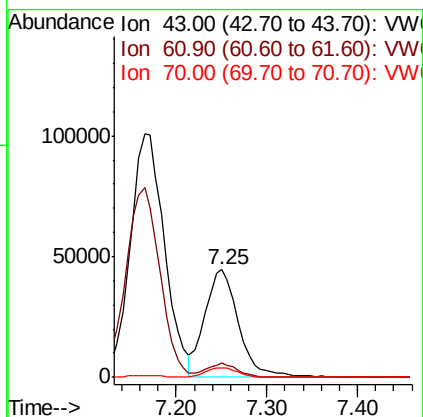
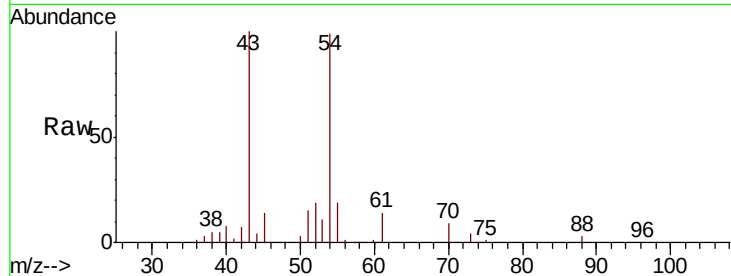




#37
Ethyl Acetate
Concen: 61.537 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011699.D
Acq: 04 Aug 2019 07:43

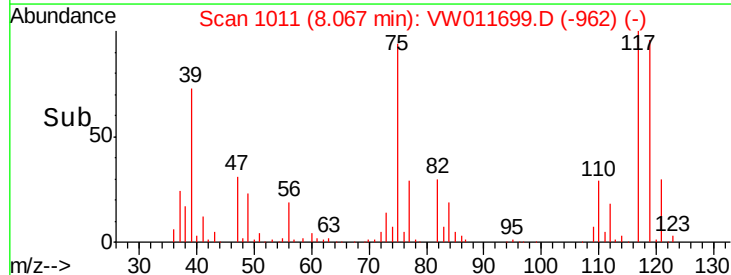
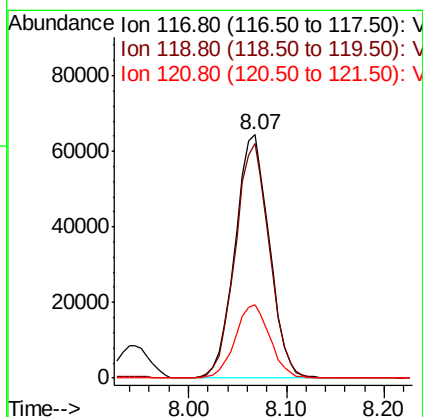
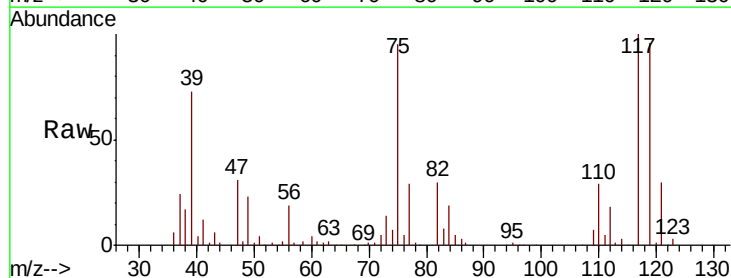
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

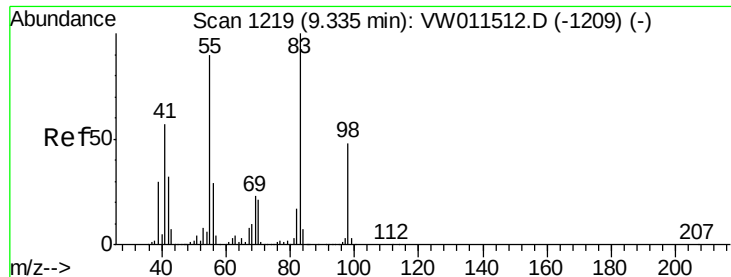
Tot Ion: 43 Resp: 115128
Ion Ratio Lower Upper
43 100
61 12.1 8.8 13.2
70 8.7 7.1 10.7



#38
Carbon Tetrachloride
Concen: 56.210 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011699.D
Acq: 04 Aug 2019 07:43

Tgt Ion: 117 Resp: 156478
Ion Ratio Lower Upper
117 100
119 96.4 75.8 113.6
121 30.4 24.7 37.1

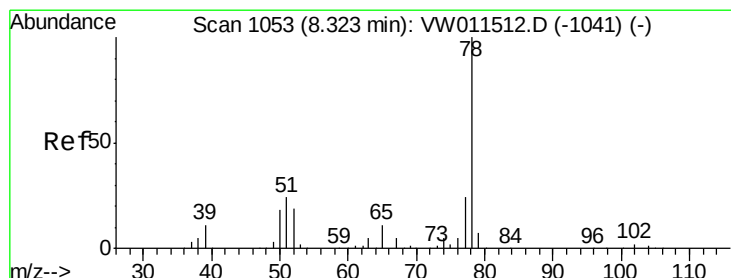
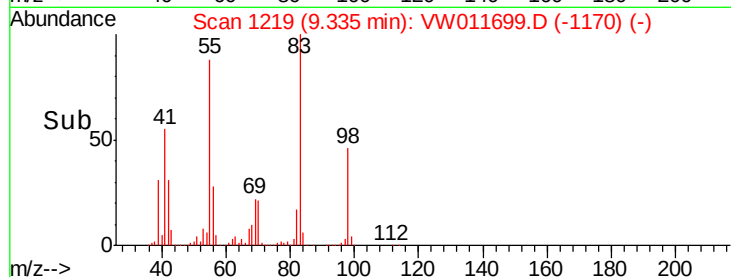
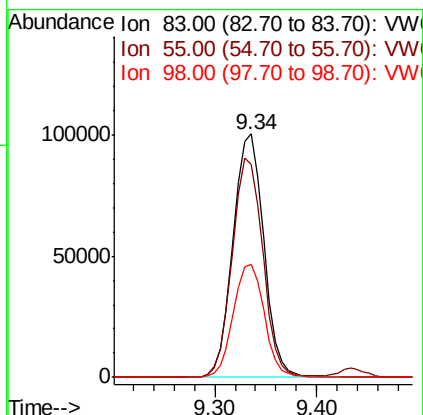
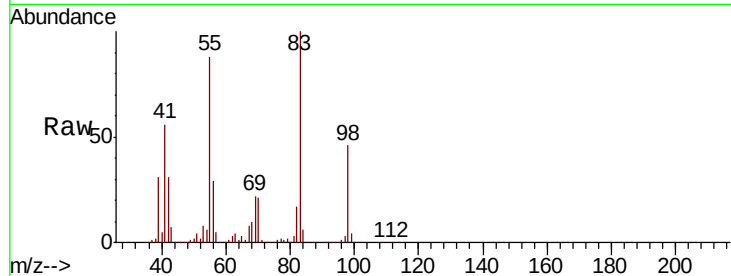




#39
Methylvlcyclohexane
Concen: 58.701 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011699.D
Acq: 04 Aug 2019 07:43

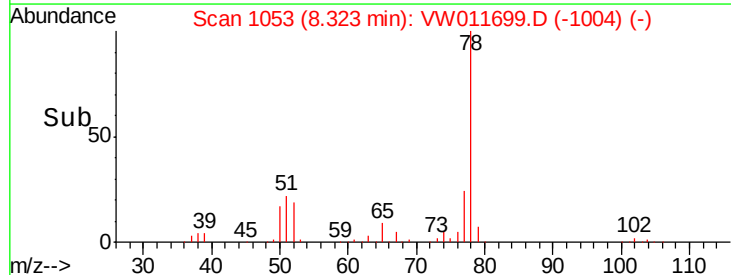
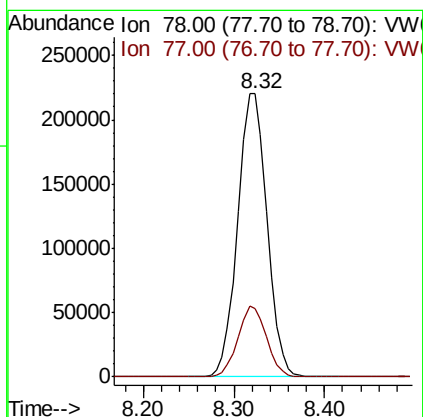
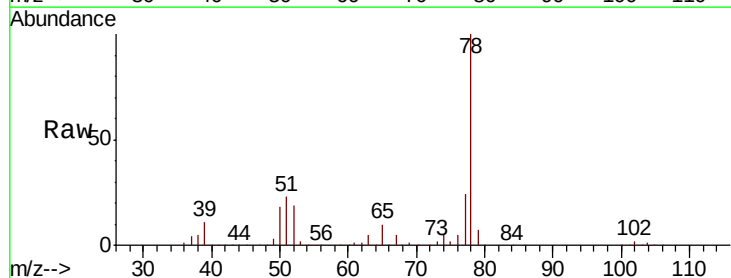
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

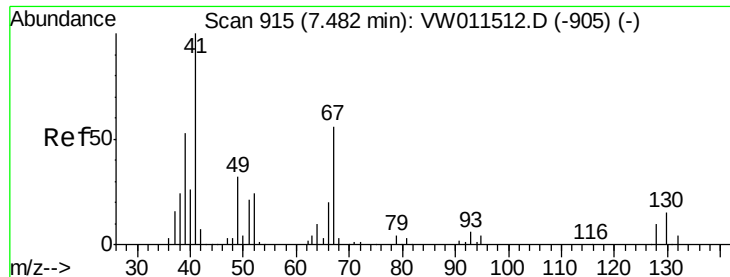
Tot Ion: 83 Resp: 210188
Ion Ratio Lower Upper
83 100
55 87.5 72.1 108.1
98 46.3 38.6 57.8



#40
Benzene
Concen: 54.127 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011699.D
Acq: 04 Aug 2019 07:43

Tgt Ion: 78 Resp: 493018
Ion Ratio Lower Upper
78 100
77 24.1 19.4 29.0





#41

Methacrylonitrile

Concen: 65.470 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW011699.D

Acq: 04 Aug 2019 07:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 73219

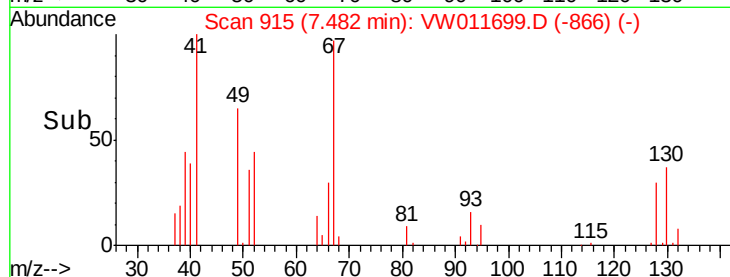
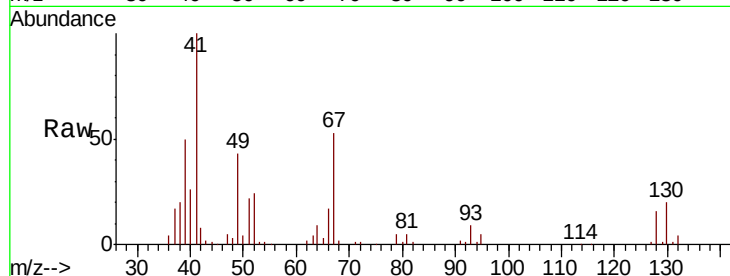
Ion Ratio Lower Upper

41 100

39 58.5 43.0 64.4

67 55.0 47.5 71.3

52 25.0 21.0 31.6

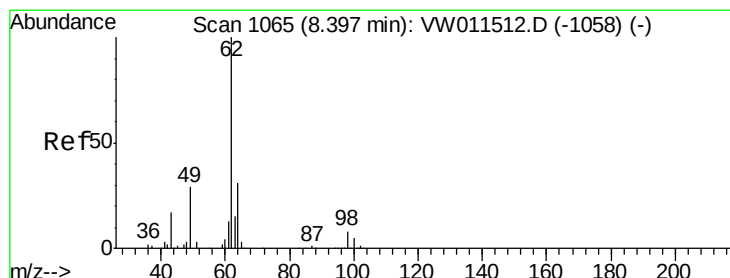
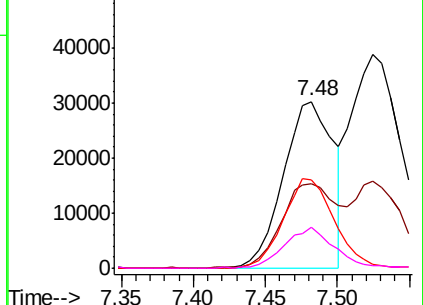


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 57.266 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW011699.D

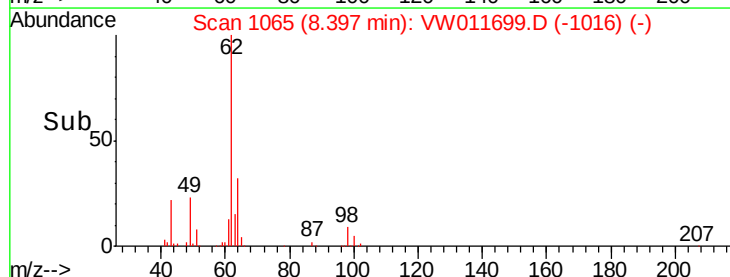
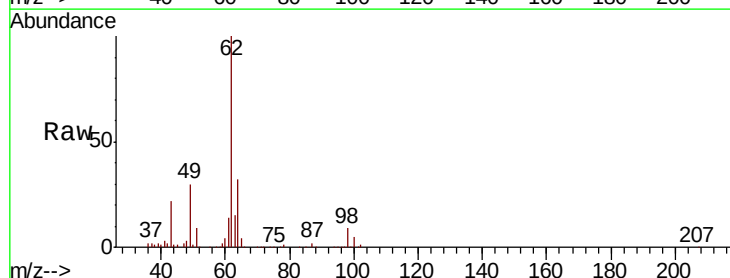
Acq: 04 Aug 2019 07:43

Tgt Ion: 62 Resp: 163309

Ion Ratio Lower Upper

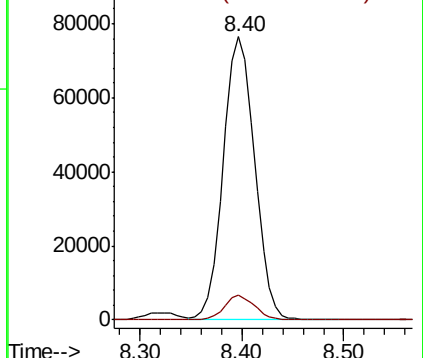
62 100

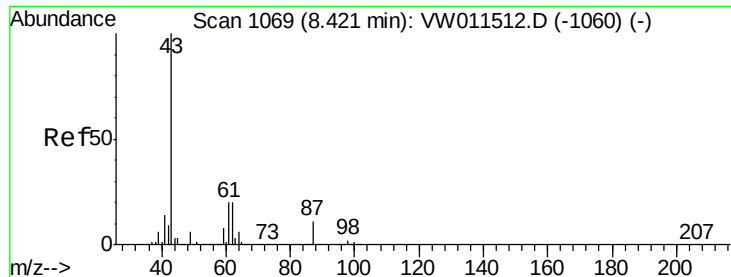
98 8.4 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 61.296 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011699.D

Acq: 04 Aug 2019 07:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

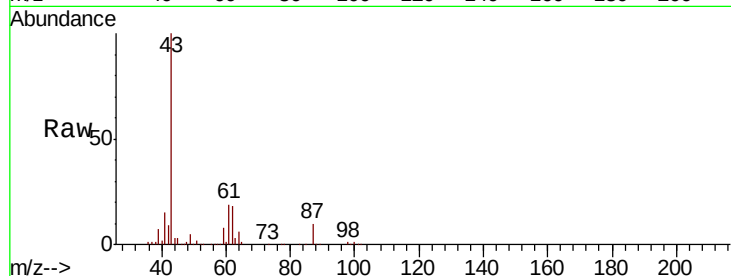
Tot Ion: 43 Resp: 210901

Ion Ratio Lower Upper

43 100

61 25.8 21.5 32.3

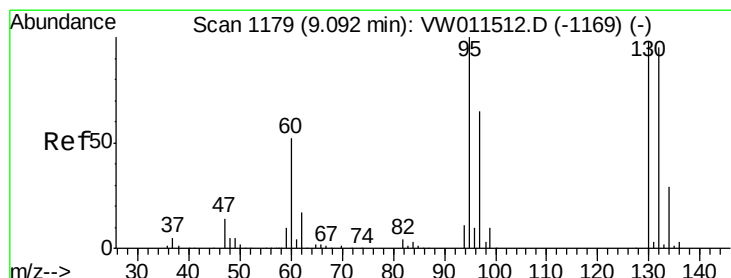
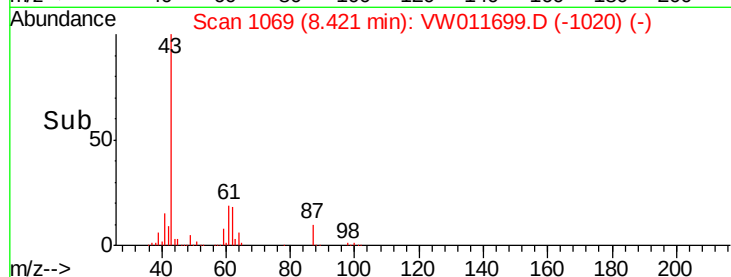
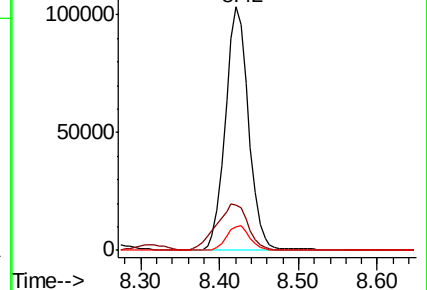
87 10.3 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 54.597 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW011699.D

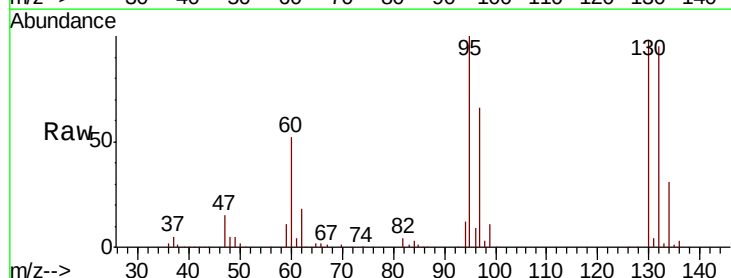
Acq: 04 Aug 2019 07:43

Tgt Ion: 130 Resp: 119525

Ion Ratio Lower Upper

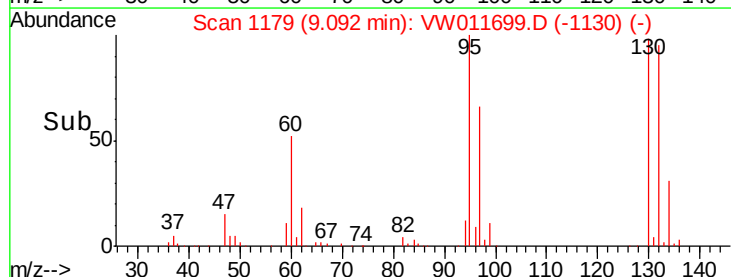
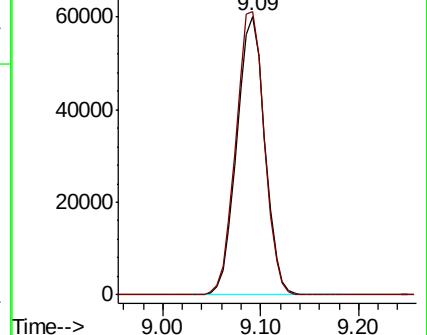
130 100

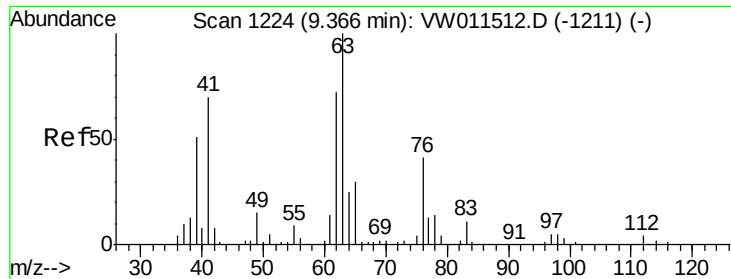
95 101.7 0.0 204.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

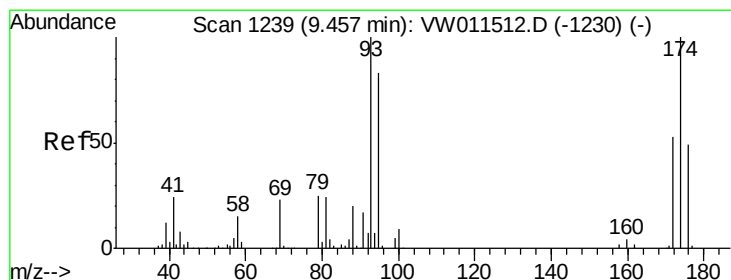
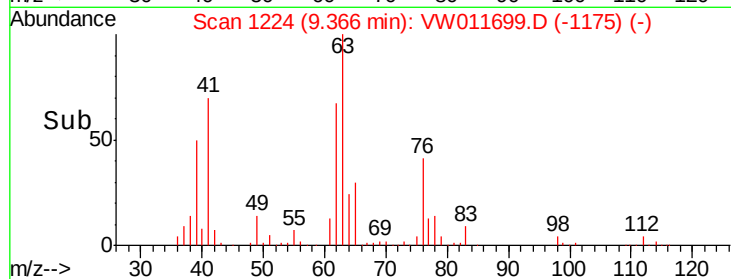
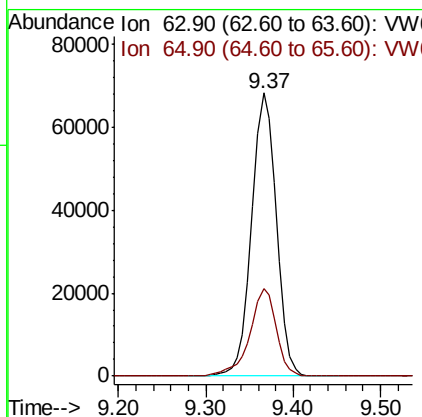
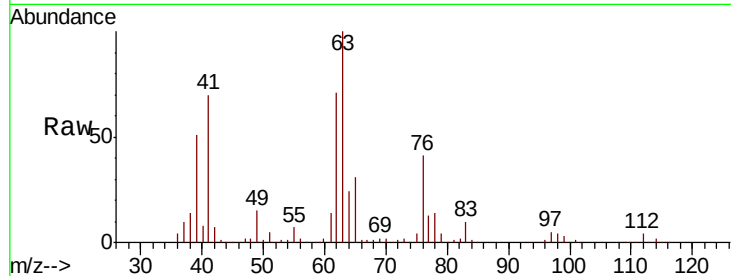




#45
 1,2-Dichloropropane
 Concen: 54.885 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011699.D
 Acq: 04 Aug 2019 07:43

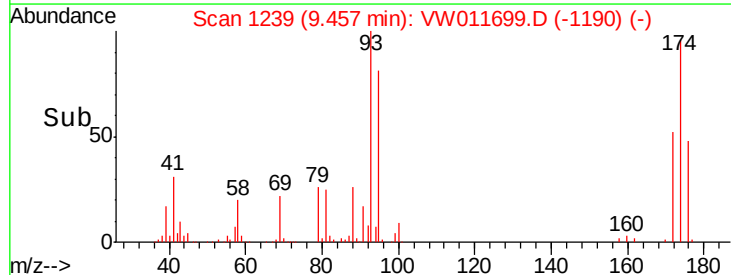
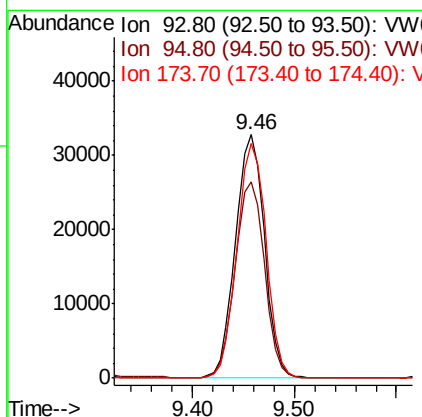
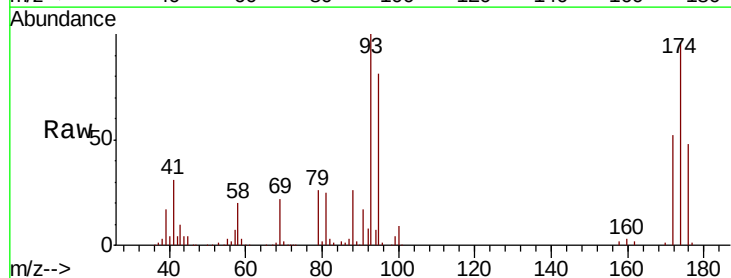
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

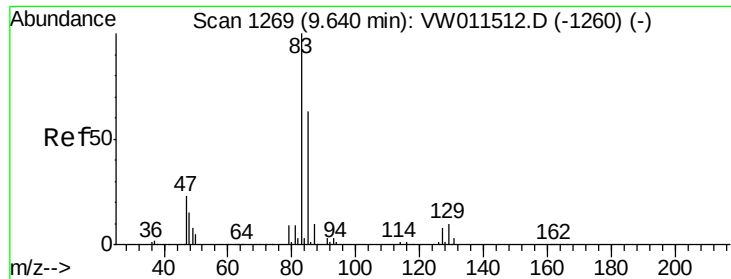
Tot Ion: 63 Resp: 133764
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.2 36.4



#46
 Dibromomethane
 Concen: 58.238 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW011699.D
 Acq: 04 Aug 2019 07:43

Tgt Ion: 93 Resp: 64782
 Ion Ratio Lower Upper
 93 100
 95 81.5 66.2 99.2
 174 96.6 78.2 117.4





#47

Bromodichloromethane

Concen: 54.724 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW011699.D

Acq: 04 Aug 2019 07:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

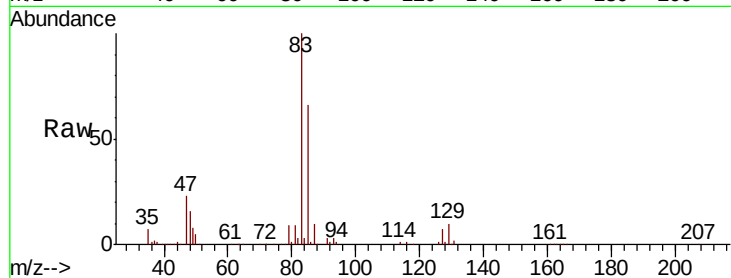
Tot Ion: 83 Resp: 159679

Ion Ratio Lower Upper

83 100

85 66.3 50.5 75.7

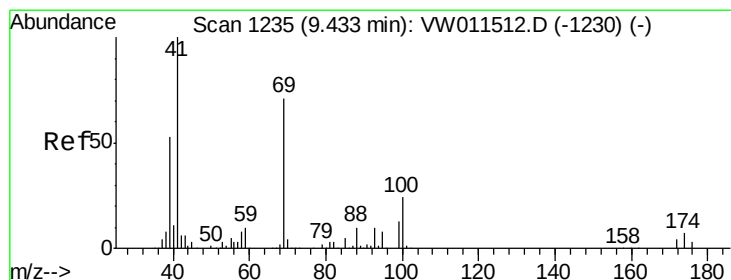
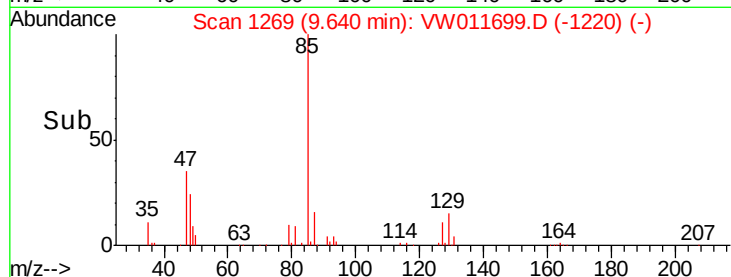
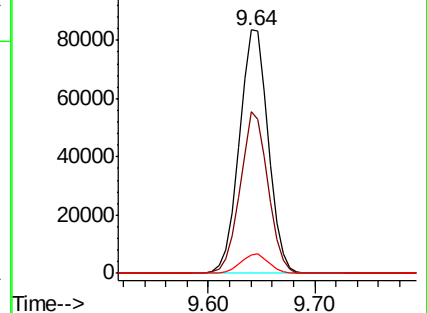
127 7.4 6.4 9.6



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: 62.890 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW011699.D

Acq: 04 Aug 2019 07:43

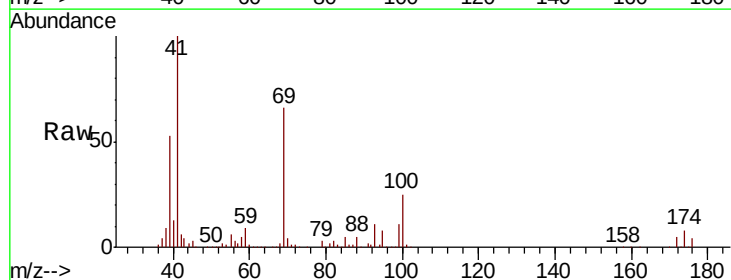
Tgt Ion: 41 Resp: 103942

Ion Ratio Lower Upper

41 100

69 70.6 57.1 85.7

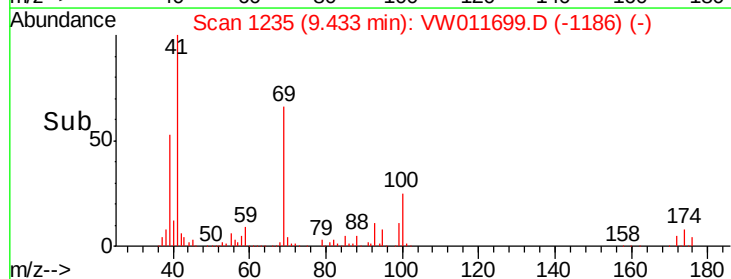
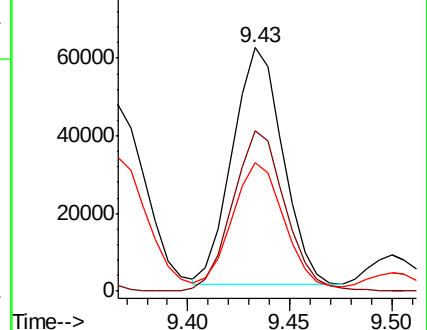
39 53.1 45.4 68.2

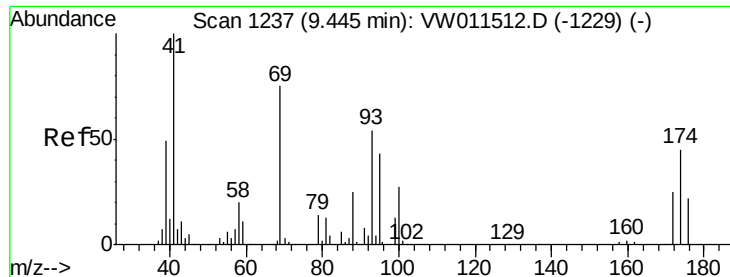


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1213.251 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW011699.D

Acq: 04 Aug 2019 07:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

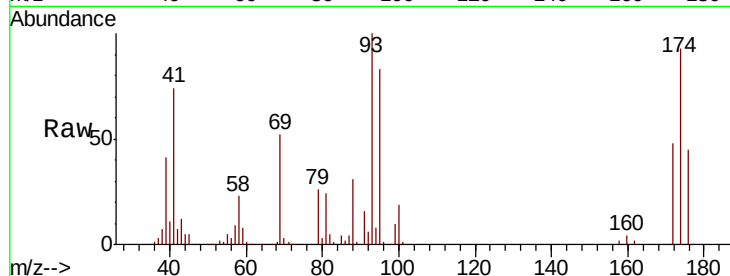
Tot Ion: 88 Resp: 19541

Ion Ratio Lower Upper

88 100

43 41.0 34.0 51.0

58 86.2 69.7 104.5

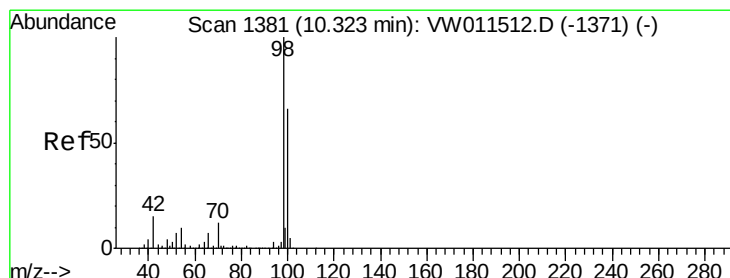
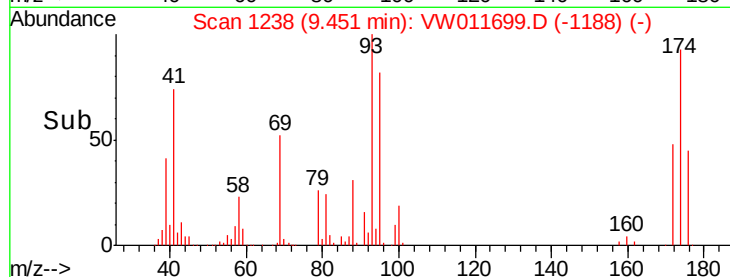
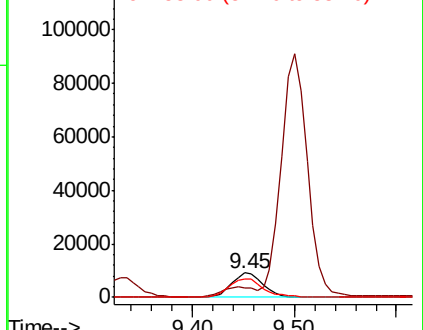


Abundance

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: 59.077 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011699.D

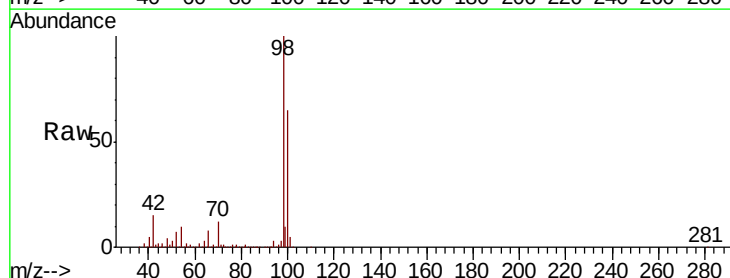
Acq: 04 Aug 2019 07:43

Tgt Ion: 98 Resp: 424370

Ion Ratio Lower Upper

98 100

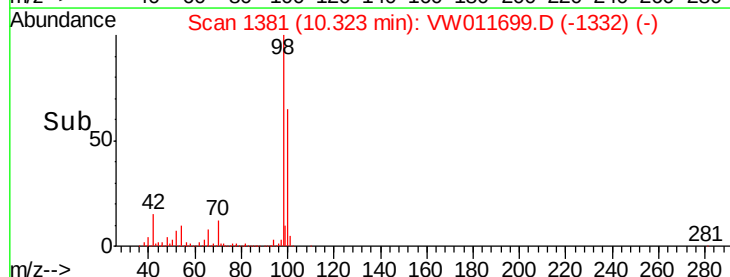
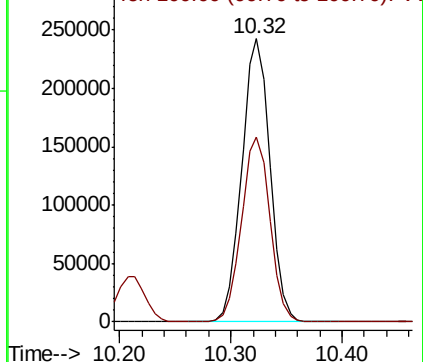
100 65.8 52.7 79.1

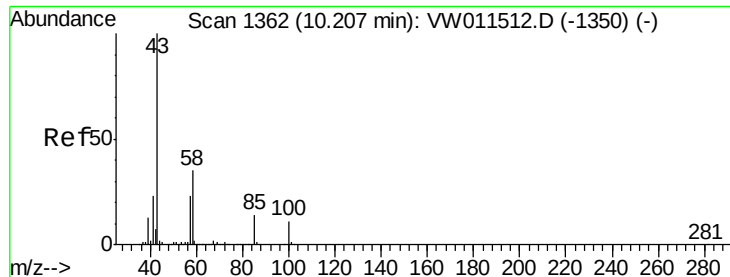


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

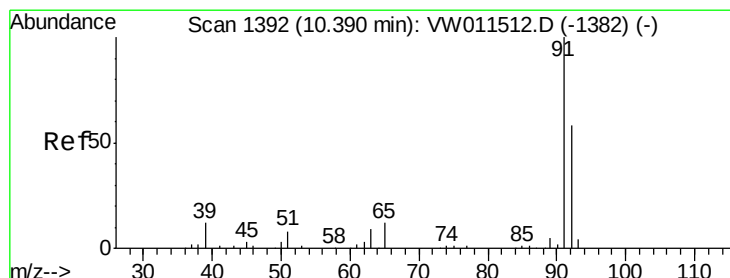
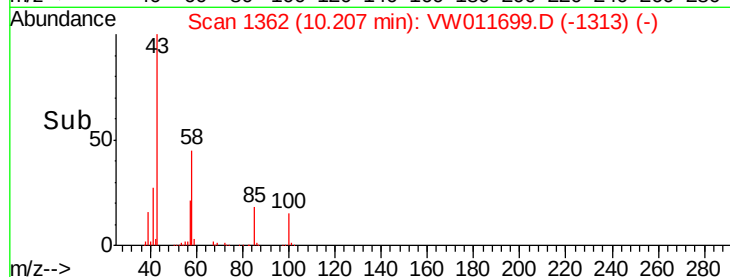
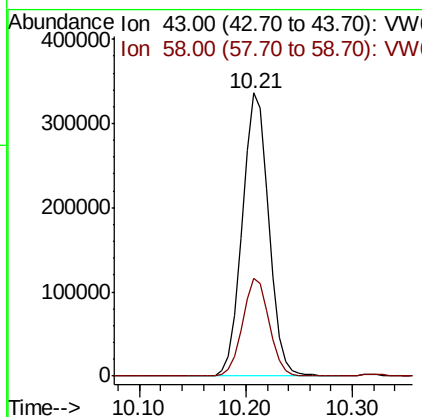
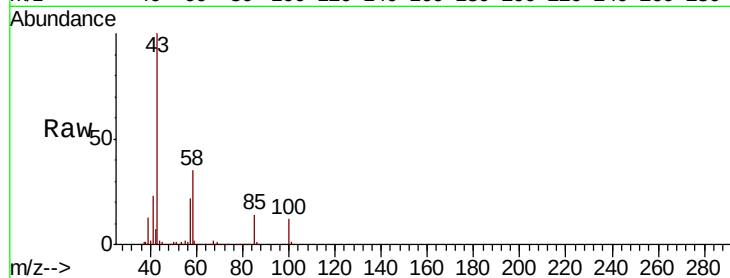




#51
 4-Methyl-2-Pentanone
 Concen: 328.387 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW011699.D
 Acq: 04 Aug 2019 07:43

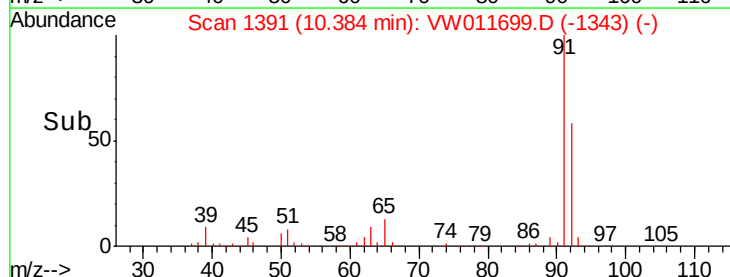
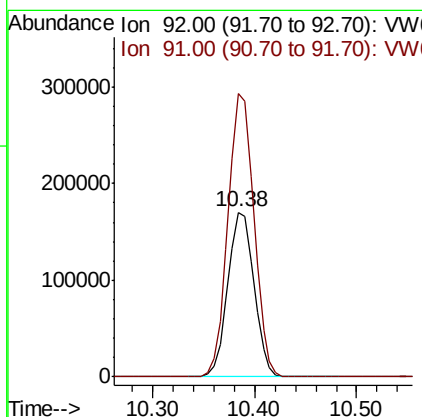
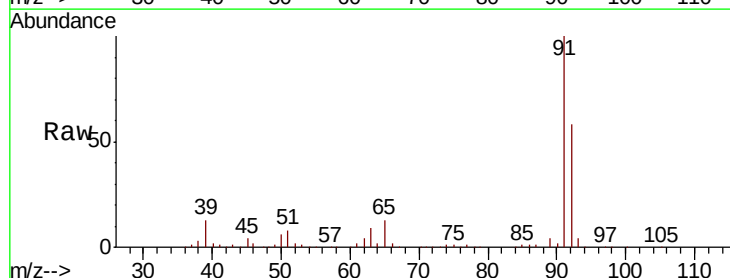
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

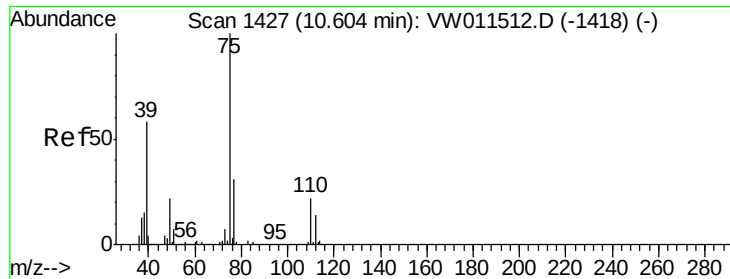
Tot Ion: 43 Resp: 587702
 Ion Ratio Lower Upper
 43 100
 58 34.6 28.2 42.2



#52
 Toluene
 Concen: 54.818 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VW011699.D
 Acq: 04 Aug 2019 07:43

Tgt Ion: 92 Resp: 301535
 Ion Ratio Lower Upper
 92 100
 91 171.5 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 52.636 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011699.D

Acq: 04 Aug 2019 07:43

Instrument :

MSVOA_W

ClientSampleId :

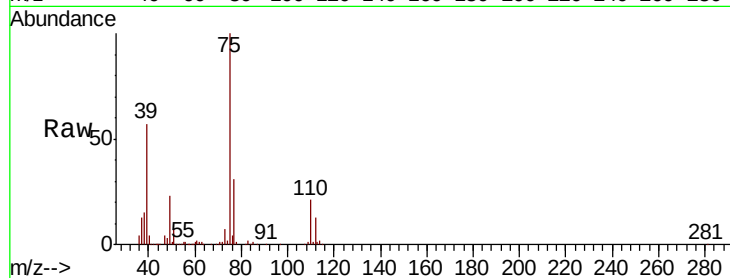
VSTDCCC050EC

Tot Ion: 75 Resp: 160437

Ion Ratio Lower Upper

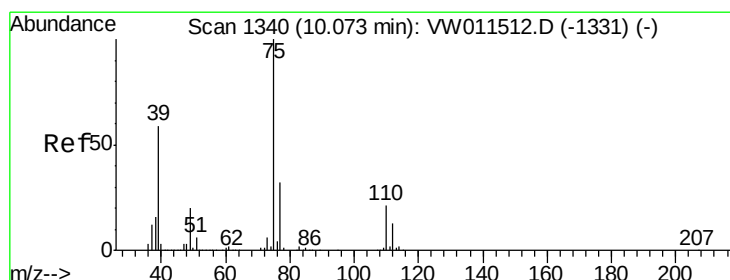
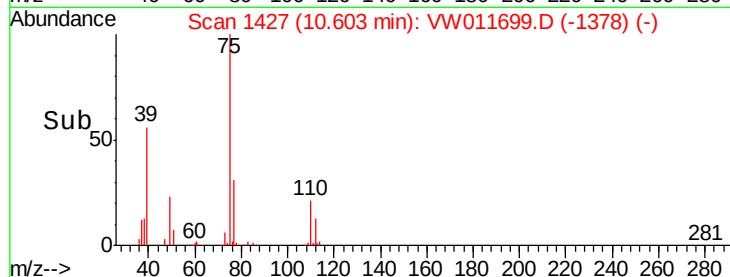
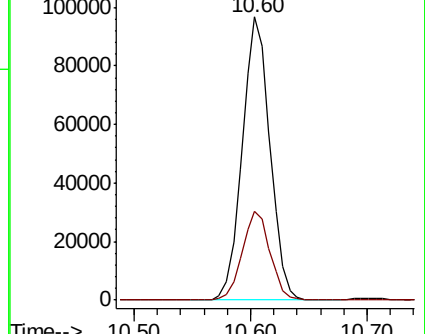
75 100

77 31.2 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 51.638 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW011699.D

Acq: 04 Aug 2019 07:43

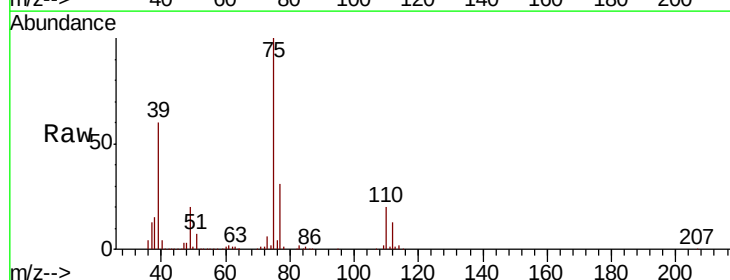
Tgt Ion: 75 Resp: 187142

Ion Ratio Lower Upper

75 100

77 31.2 25.6 38.4

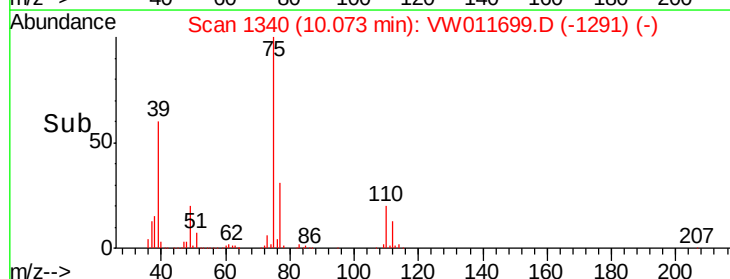
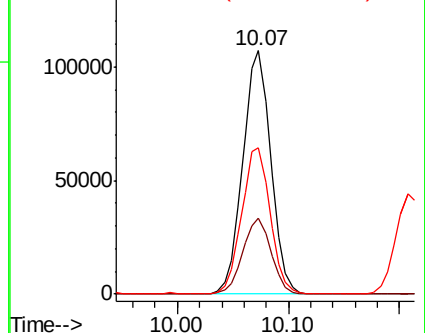
39 60.1 47.0 70.4

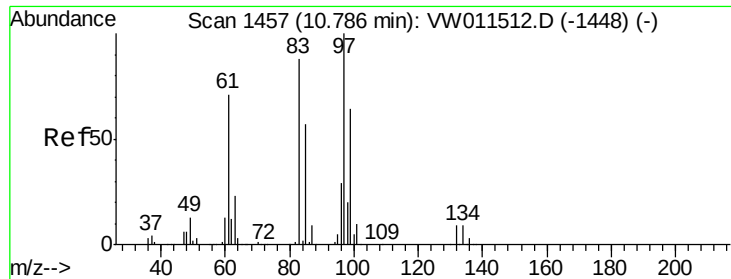


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

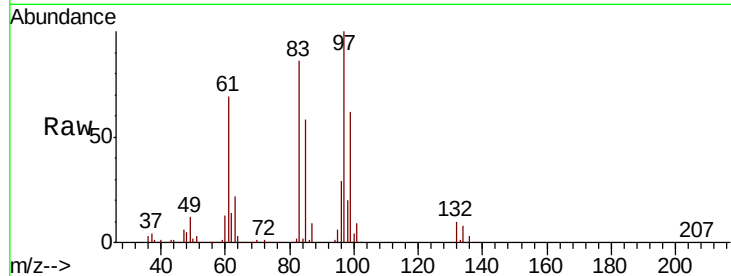




#55
 1,1,2-Trichloroethane
 Concen: 57.348 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011699.D
 Acq: 04 Aug 2019 07:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	90511
Ion	Ratio	Lower	Upper
97	100		
83	86.2	70.5	105.7
85	57.7	45.8	68.6
99	61.9	51.0	76.4



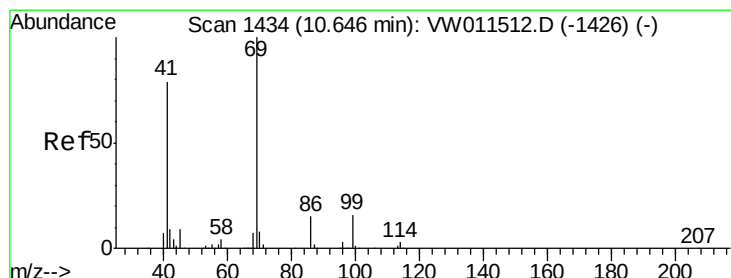
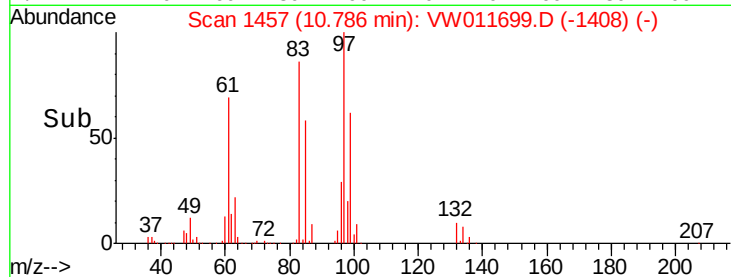
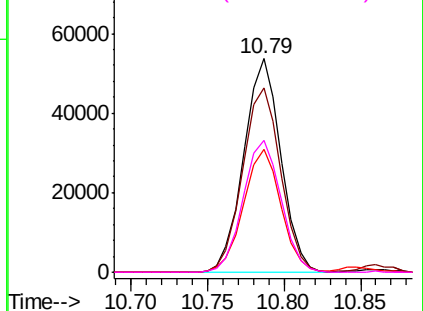
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

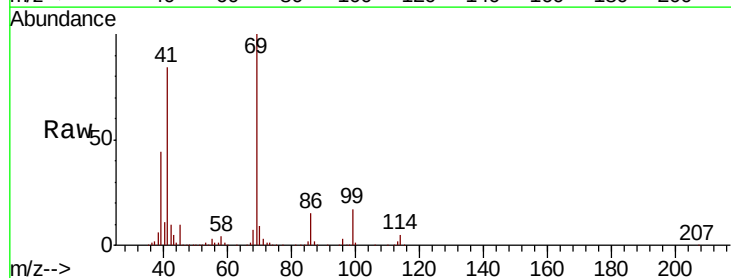
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 60.714 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011699.D
 Acq: 04 Aug 2019 07:43

Tgt Ion:	69	Resp:	140221
Ion	Ratio	Lower	Upper
69	100		
41	85.0	66.6	99.8
39	39.3	30.3	45.5

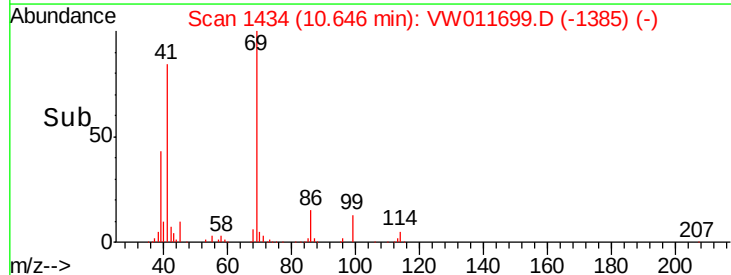
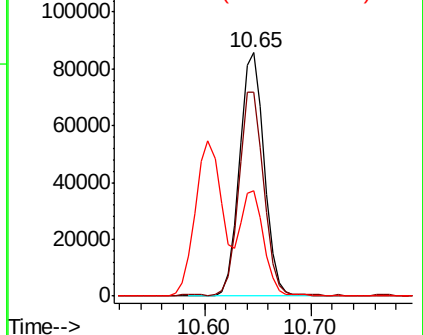


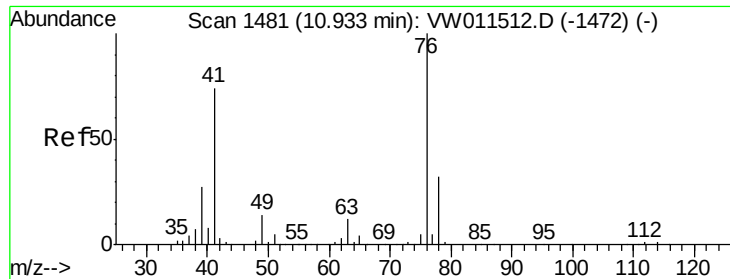
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

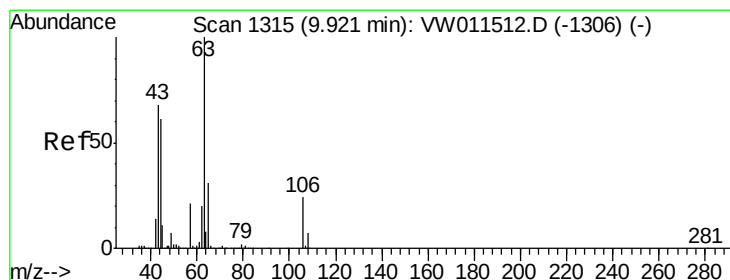
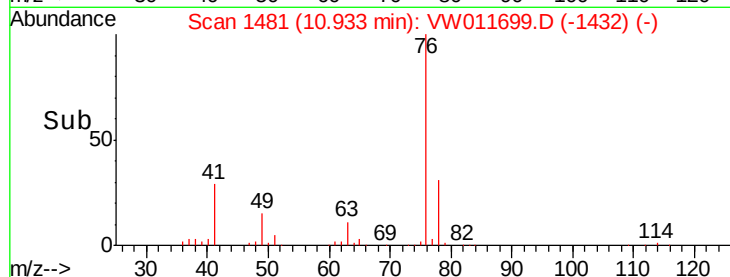
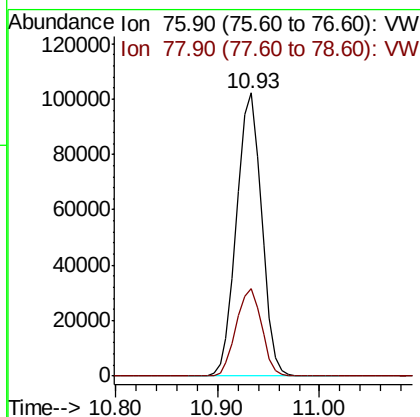
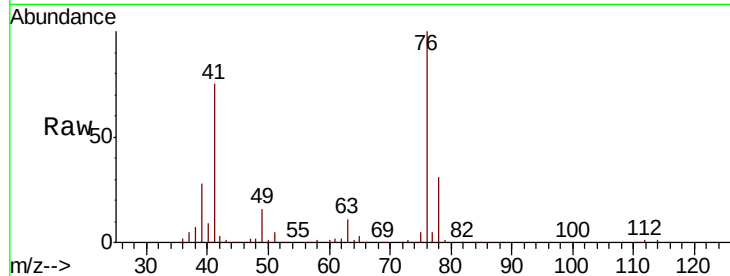




#57
 1,3-Dichloropropane
 Concen: 58.109 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011699.D
 Acq: 04 Aug 2019 07:43

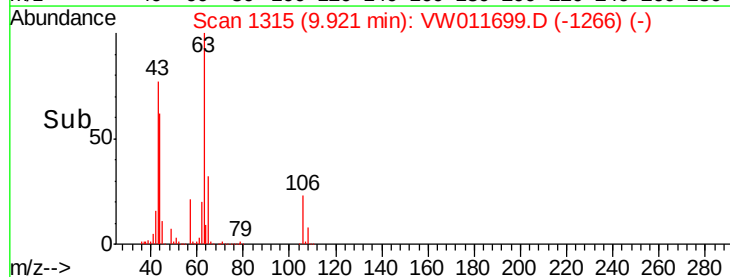
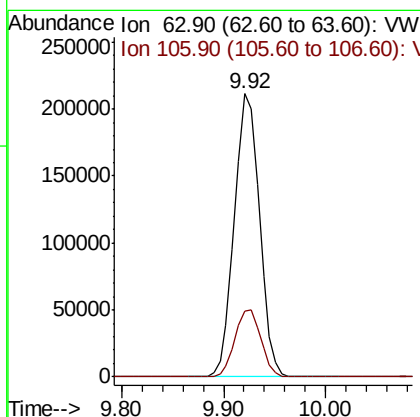
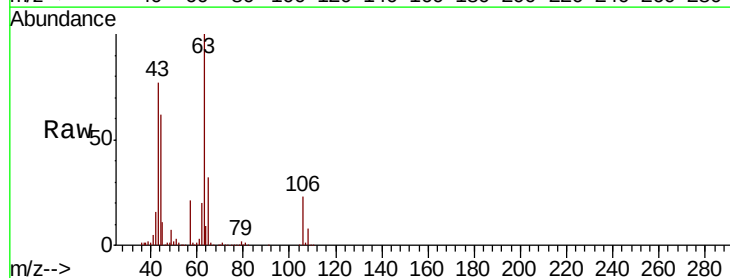
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

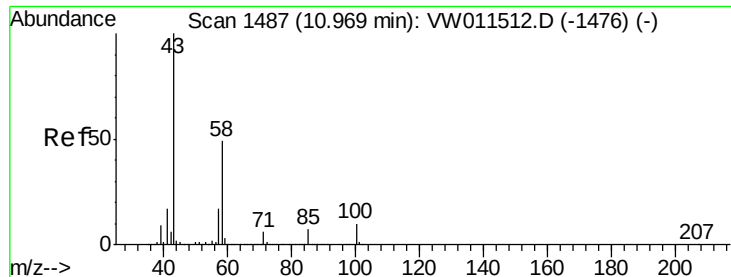
Tot Ion: 76 Resp: 173509
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 343.648 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW011699.D
 Acq: 04 Aug 2019 07:43

Tgt Ion: 63 Resp: 360355
 Ion Ratio Lower Upper
 63 100
 106 24.5 19.7 29.5

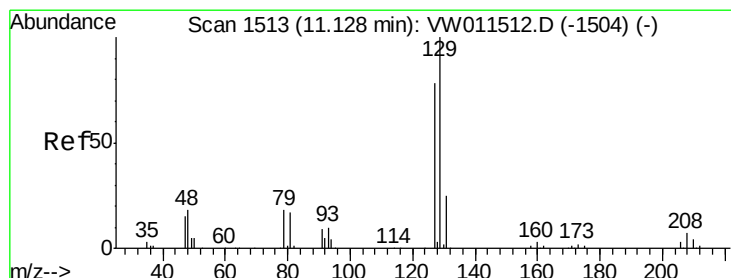
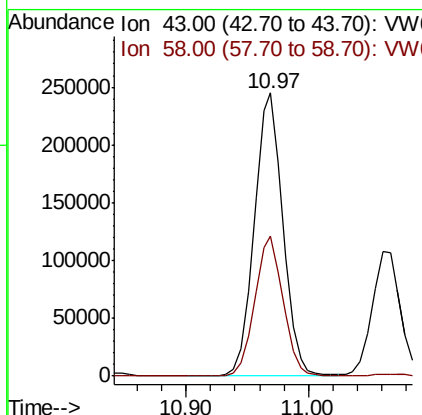
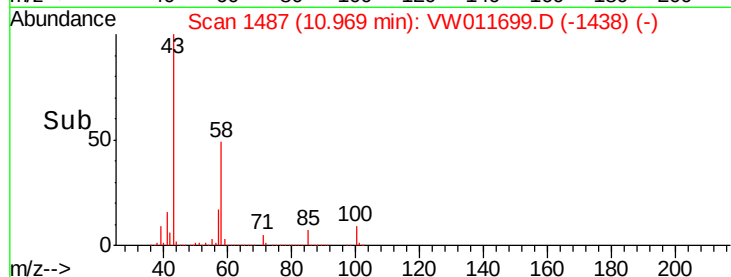
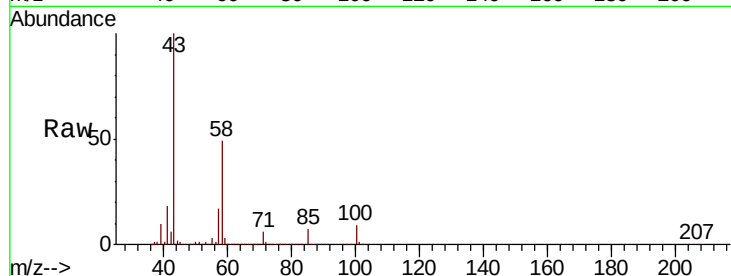




#59
2-Hexanone
Concen: 315.165 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011699.D
Acq: 04 Aug 2019 07:43

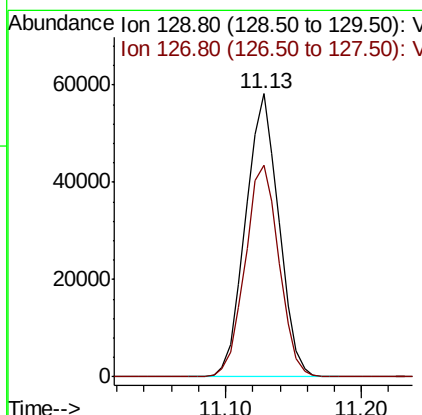
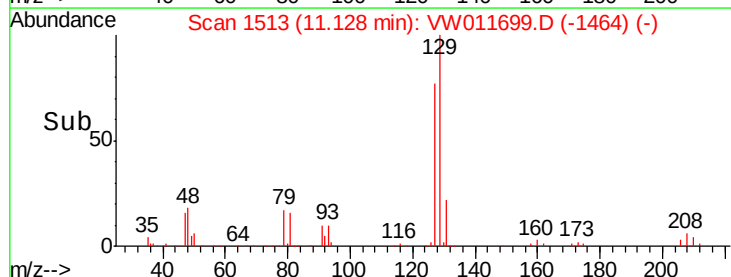
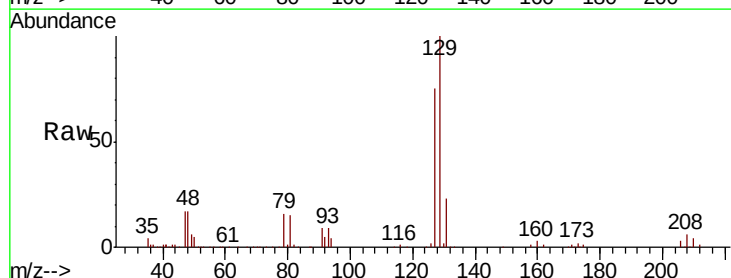
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

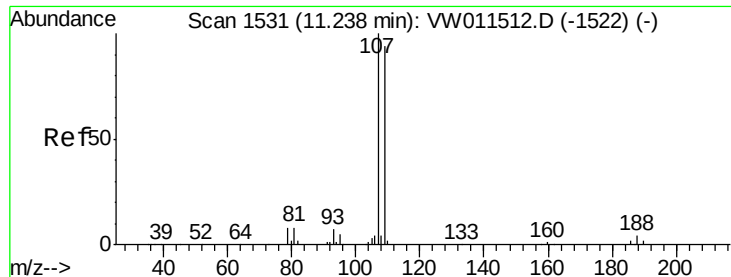
Tot Ion: 43 Resp: 398248
Ion Ratio Lower Upper
43 100
58 49.0 24.3 72.9



#60
Dibromochloromethane
Concen: 56.816 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011699.D
Acq: 04 Aug 2019 07:43

Tgt Ion: 129 Resp: 99537
Ion Ratio Lower Upper
129 100
127 76.5 38.9 116.7





#61

1,2-Dibromoethane

Concen: 58.944 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW011699.D

Acq: 04 Aug 2019 07:43

Instrument :

MSVOA_W

ClientSampleId :

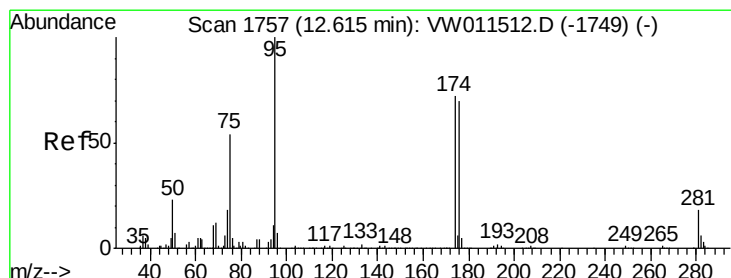
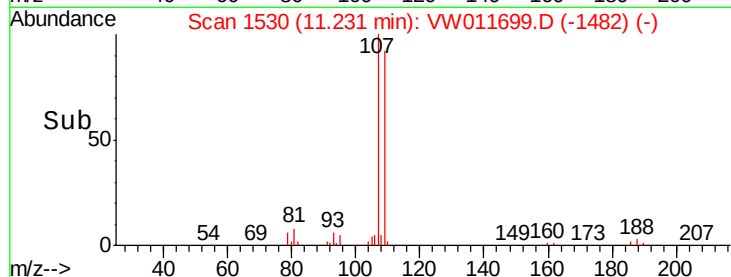
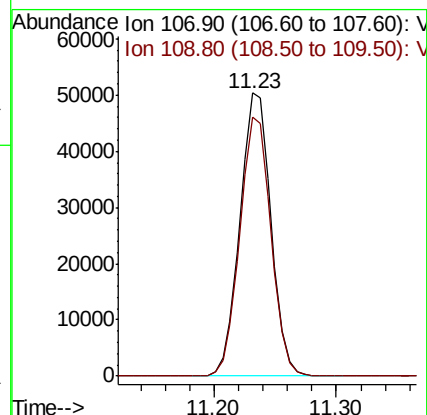
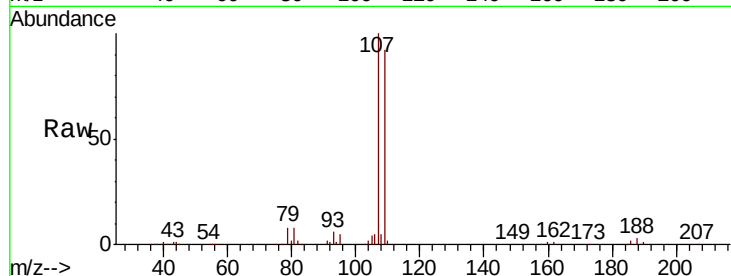
VSTDCCC050EC

Tot Ion:107 Resp: 88037

Ion Ratio Lower Upper

107 100

109 92.3 75.0 112.6



#62

4-Bromofluorobenzene

Concen: 58.451 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011699.D

Acq: 04 Aug 2019 07:43

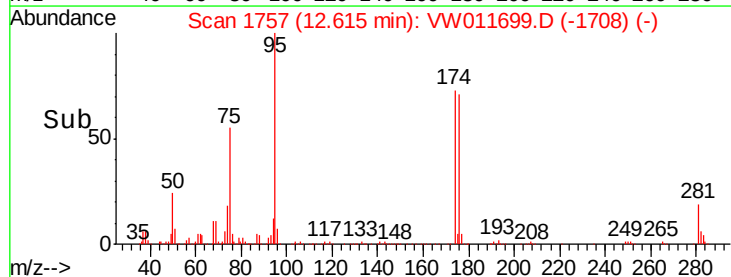
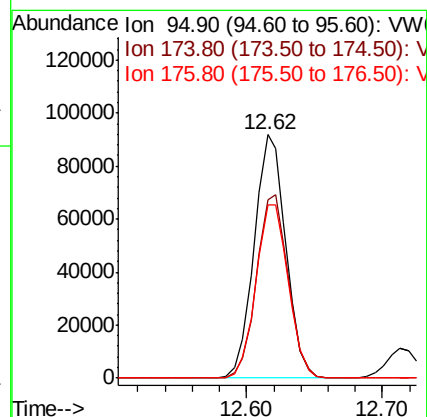
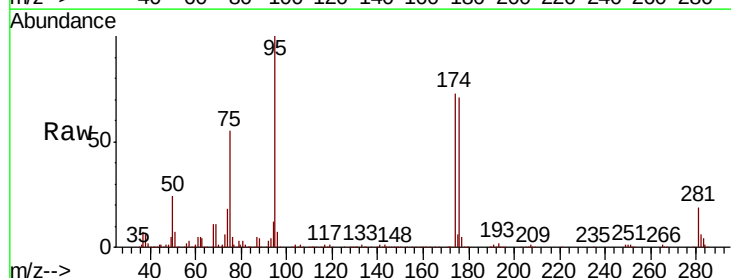
Tgt Ion: 95 Resp: 149694

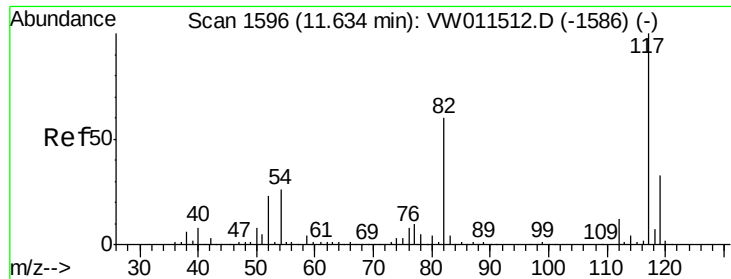
Ion Ratio Lower Upper

95 100

174 75.6 0.0 150.2

176 73.2 0.0 144.4

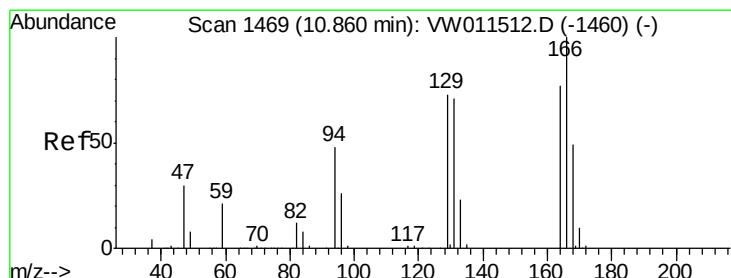
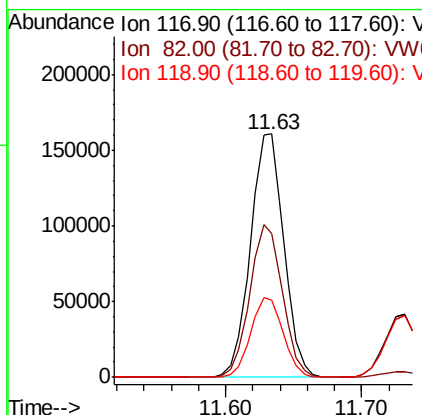
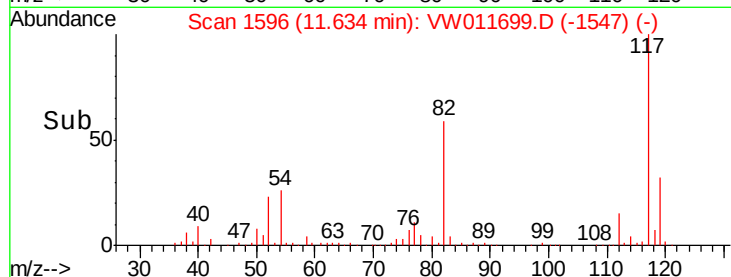
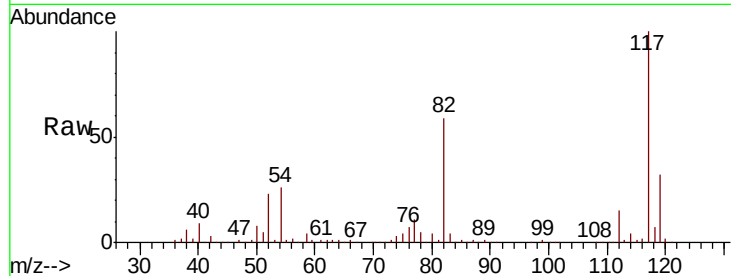




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011699.D
Acq: 04 Aug 2019 07:43

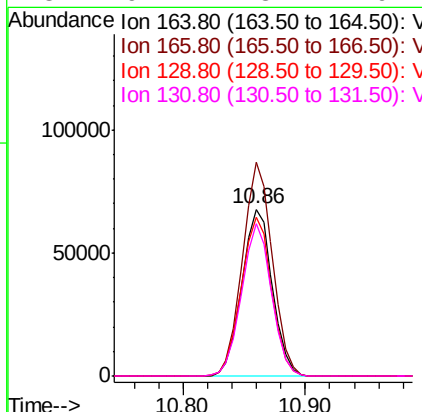
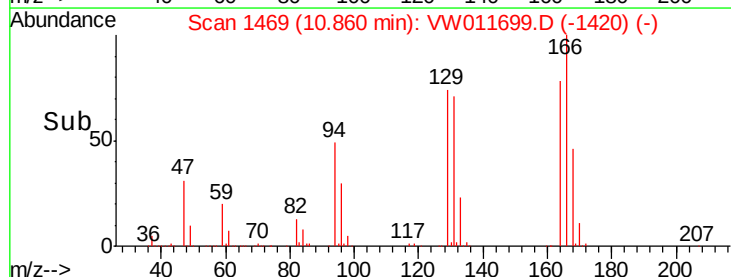
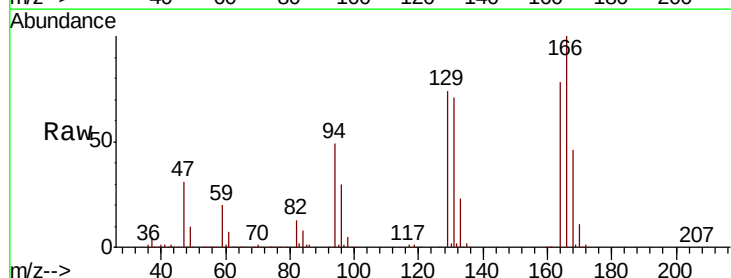
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

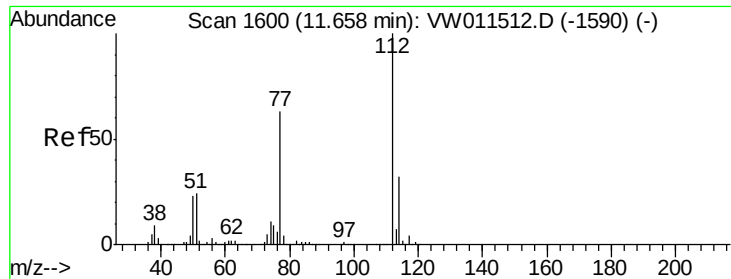
Tot Ion:117 Resp: 276808
Ion Ratio Lower Upper
117 100
82 59.0 47.9 71.9
119 31.9 26.2 39.2



#64
Tetrachloroethene
Concen: 64.841 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011699.D
Acq: 04 Aug 2019 07:43

Tgt Ion:164 Resp: 116864
Ion Ratio Lower Upper
164 100
166 128.1 103.5 155.3
129 95.0 75.2 112.8
131 91.4 73.4 110.2





#65

Chlorobenzene

Concen: 53.604 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW011699.D

Acq: 04 Aug 2019 07:43

Instrument :

MSVOA_W

ClientSampleId :

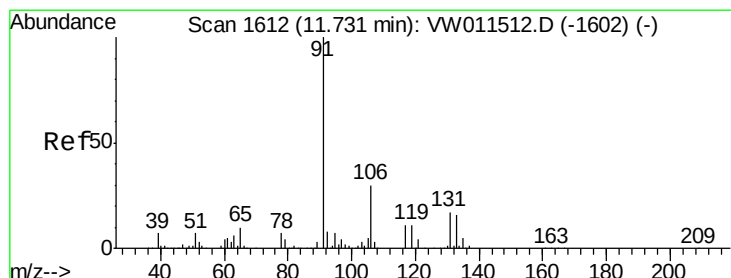
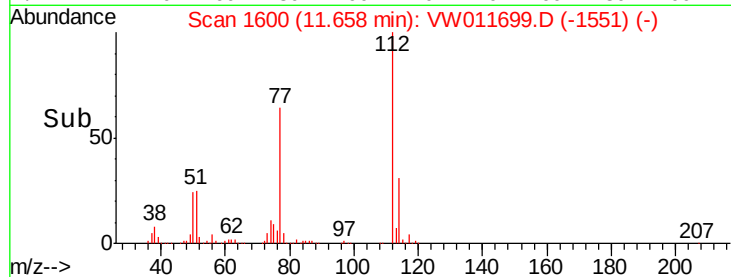
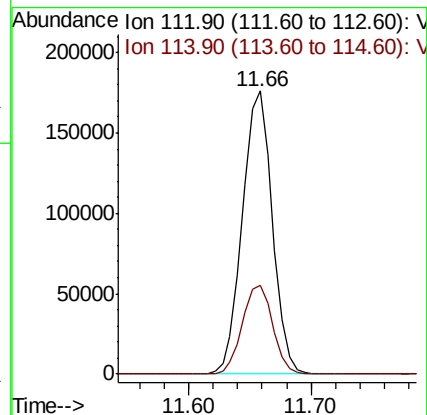
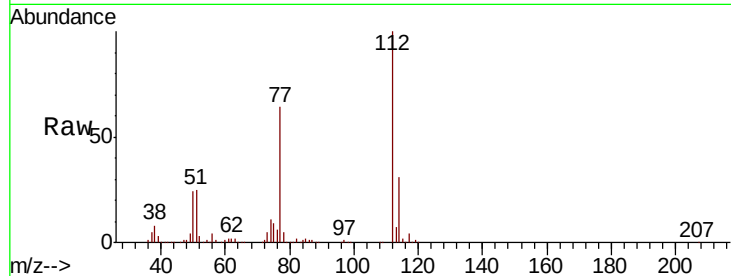
VSTDCCC050EC

Tot Ion:112 Resp: 298314

Ion Ratio Lower Upper

112 100

114 31.5 25.6 38.4



#66

1,1,1,2-Tetrachloroethane

Concen: 54.887 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW011699.D

Acq: 04 Aug 2019 07:43

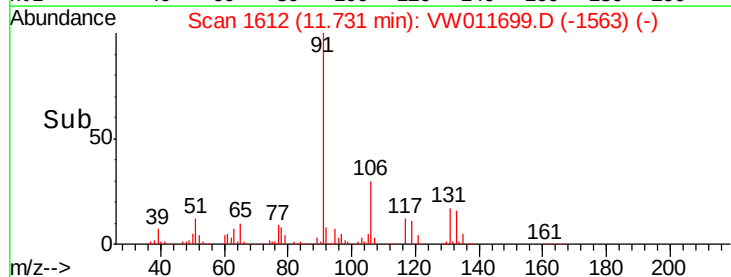
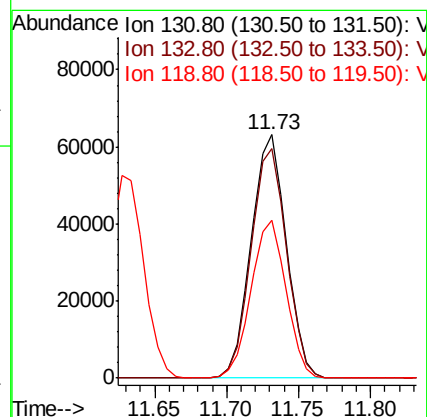
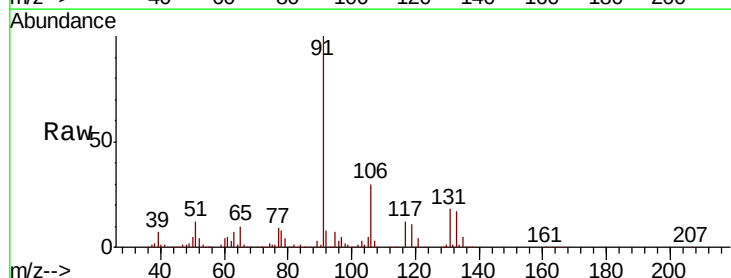
Tgt Ion:131 Resp: 106397

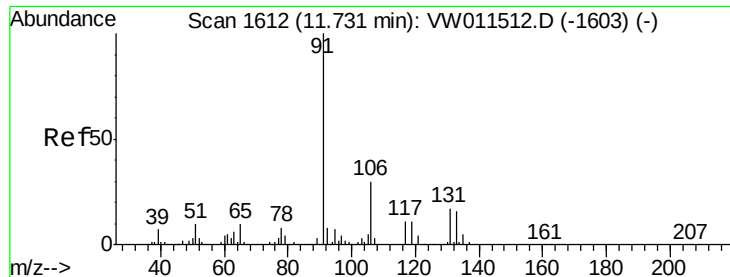
Ion Ratio Lower Upper

131 100

133 95.0 47.4 142.2

119 64.6 32.3 96.9

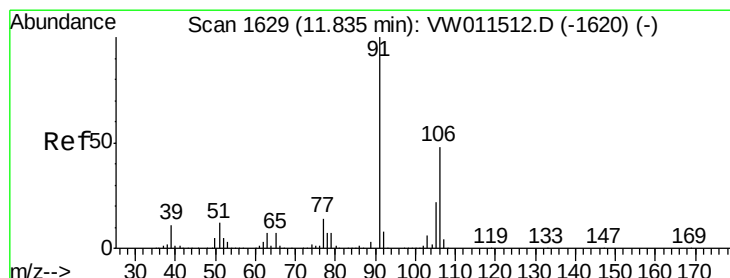
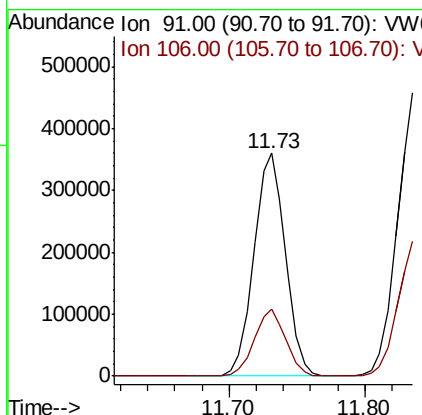
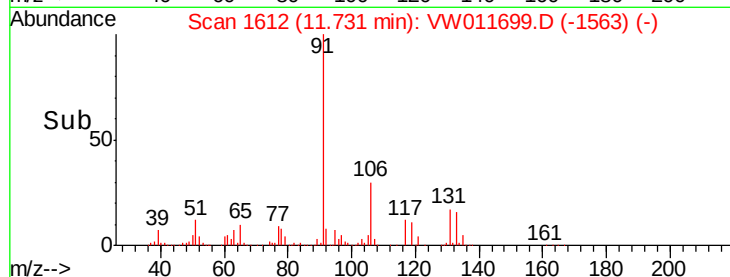
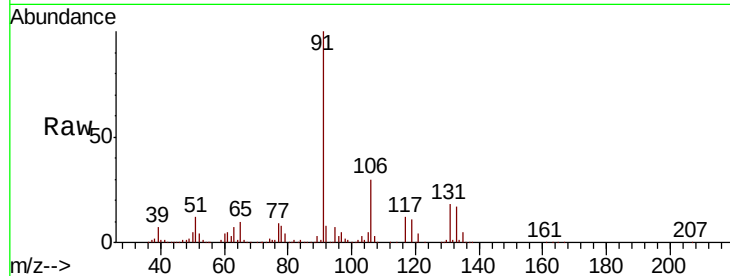




#67
Ethyl Benzene
Concen: 54.928 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011699.D
Acq: 04 Aug 2019 07:43

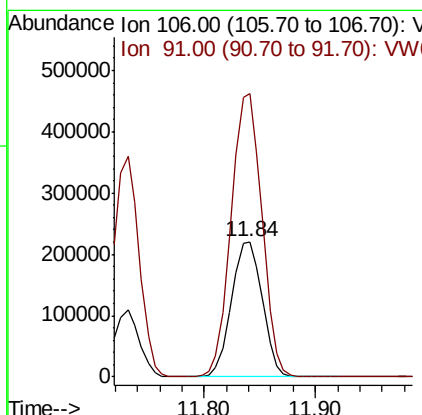
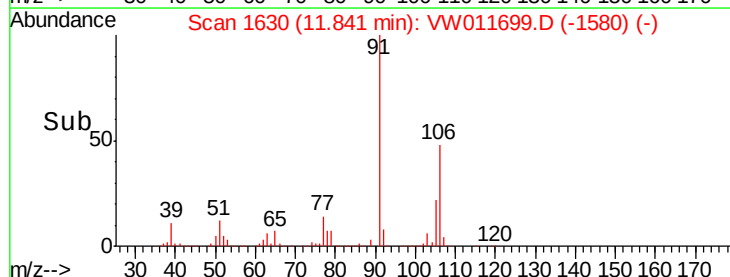
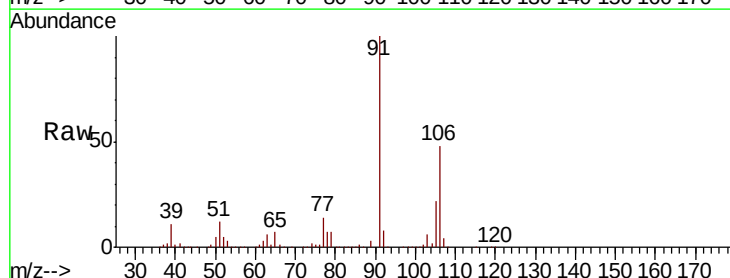
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

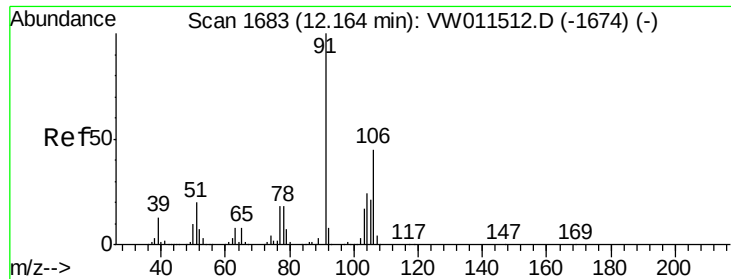
Tot Ion: 91 Resp: 582187
Ion Ratio Lower Upper
91 100
106 30.2 23.8 35.6



#68
m/p-Xylenes
Concen: 109.664 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011699.D
Acq: 04 Aug 2019 07:43

Tgt Ion: 106 Resp: 422705
Ion Ratio Lower Upper
106 100
91 209.4 168.2 252.2

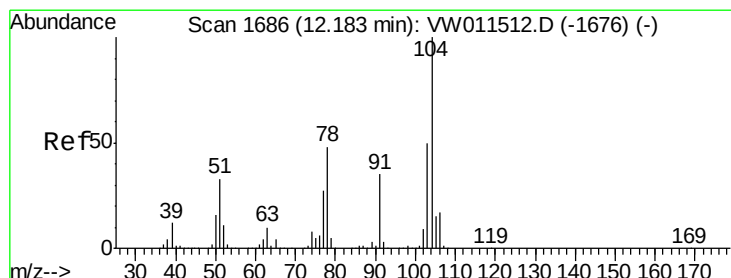
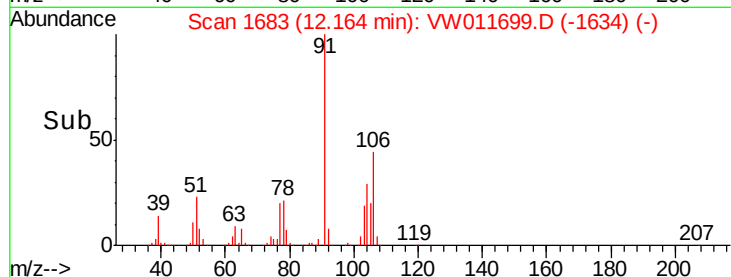
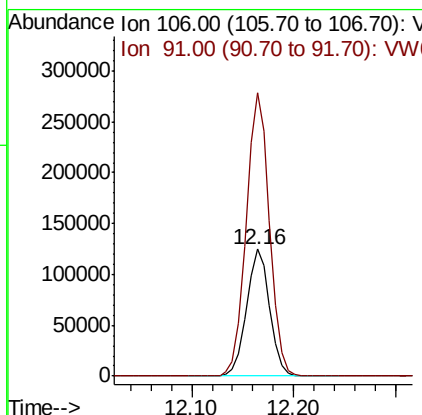
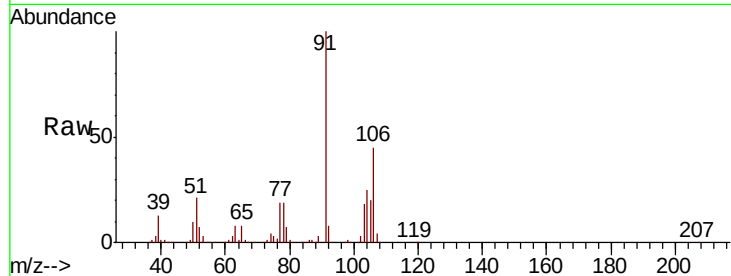




#69
o-Xylene
Concen: 54.714 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011699.D
Acq: 04 Aug 2019 07:43

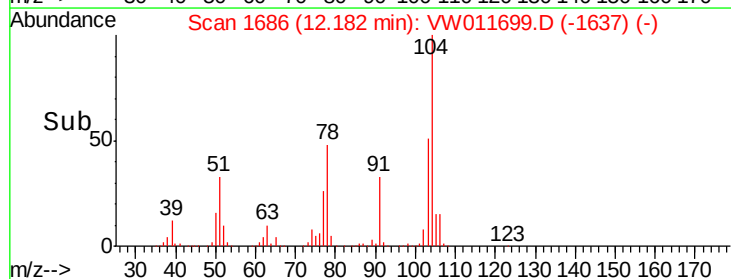
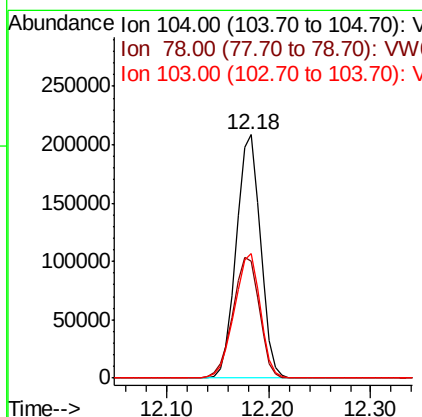
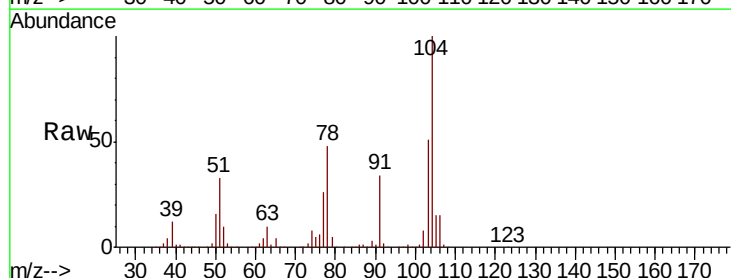
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

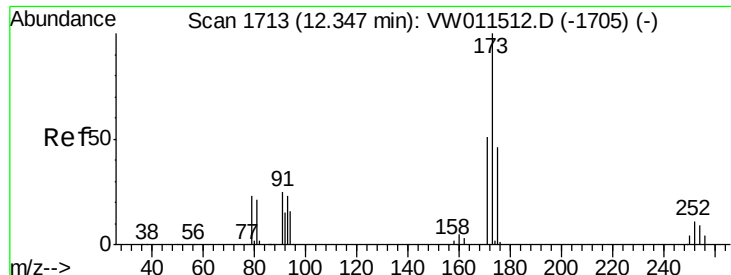
Tot Ion:106 Resp: 195978
Ion Ratio Lower Upper
106 100
91 224.0 110.5 331.5



#70
Styrene
Concen: 55.094 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011699.D
Acq: 04 Aug 2019 07:43

Tgt Ion:104 Resp: 341201
Ion Ratio Lower Upper
104 100
78 54.5 43.4 65.0
103 54.9 43.9 65.9





#71

Bromoform

Concen: 58.422 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011699.D

Acq: 04 Aug 2019 07:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

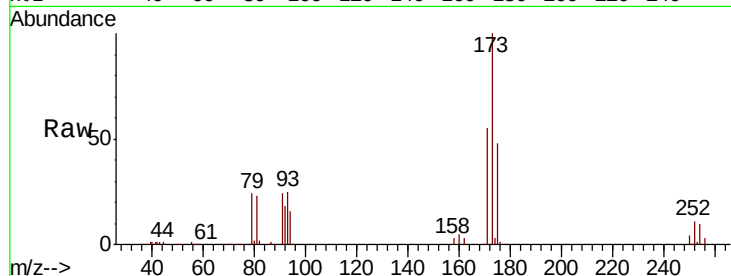
Tot Ion:173 Resp: 57742

Ion Ratio Lower Upper

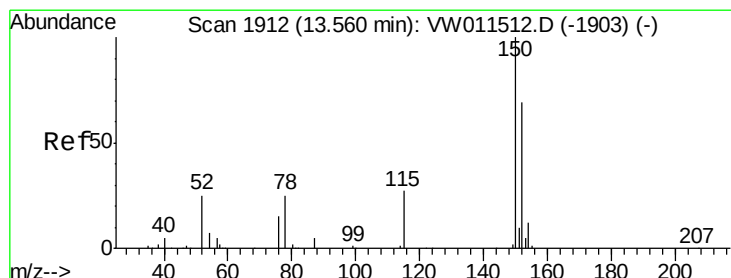
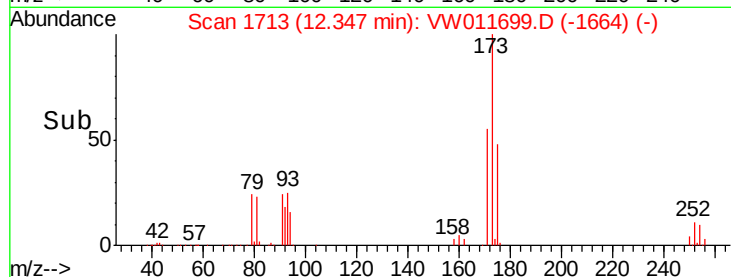
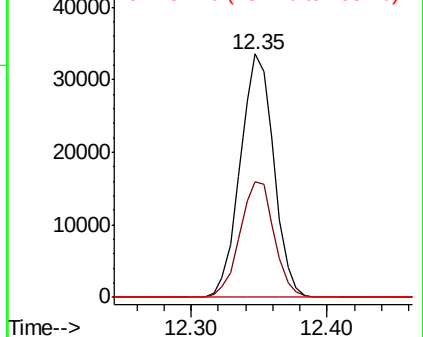
173 100

175 48.5 23.6 71.0

254 0.1 0.1 0.1



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011699.D

Acq: 04 Aug 2019 07:43

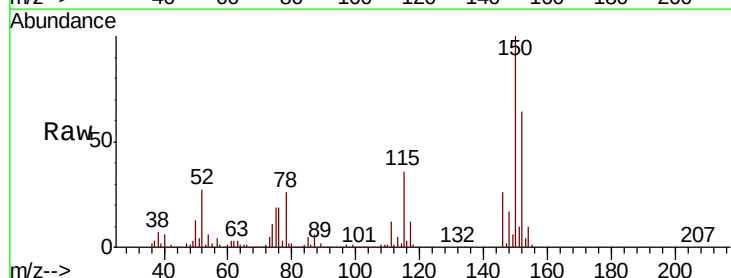
Tgt Ion:152 Resp: 134078

Ion Ratio Lower Upper

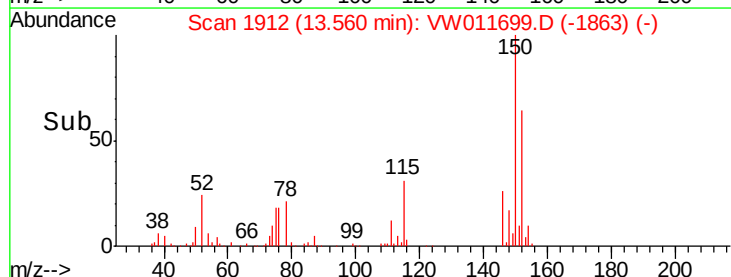
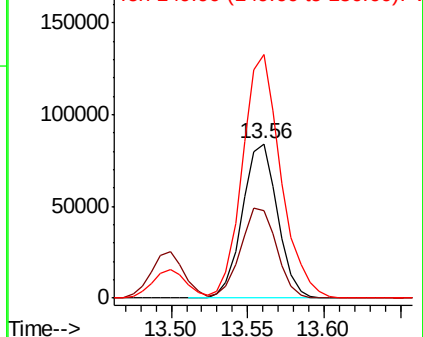
152 100

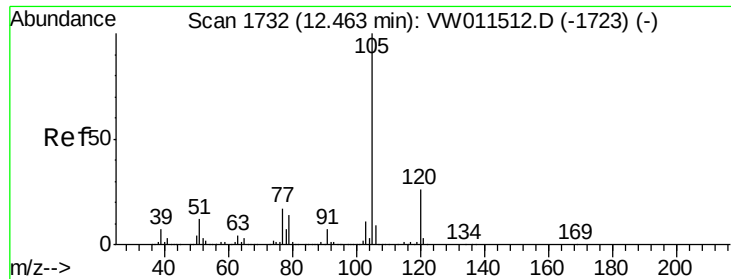
115 59.8 30.5 91.5

150 172.4 0.0 352.6



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





#73

Isopropylbenzene

Concen: 55.289 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011699.D

Acq: 04 Aug 2019 07:43

Instrument :

MSVOA_W

ClientSampleId :

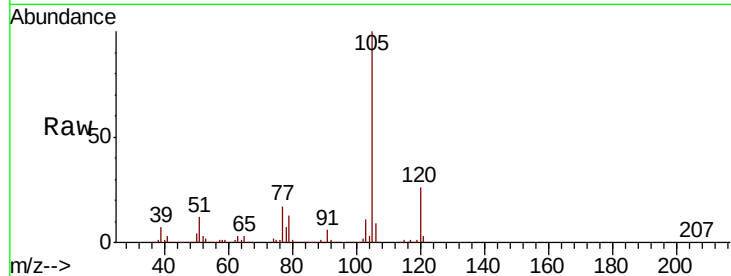
VSTDCCC050EC

Tot Ion:105 Resp: 553030

Ion Ratio Lower Upper

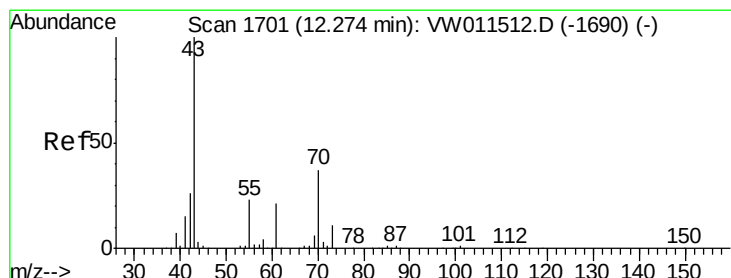
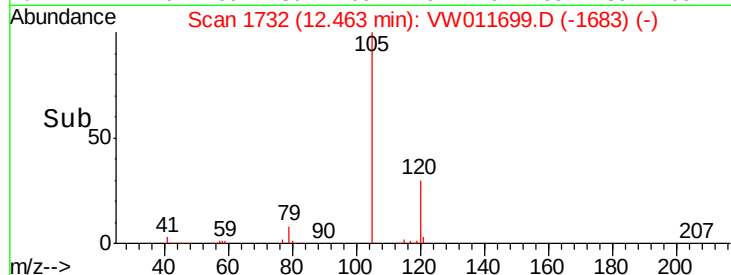
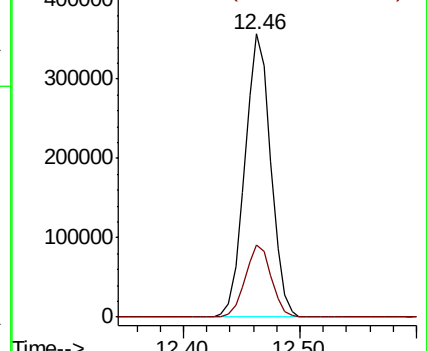
105 100

120 25.5 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.300 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011699.D

Acq: 04 Aug 2019 07:43

Tgt Ion: 43 Resp: 170042

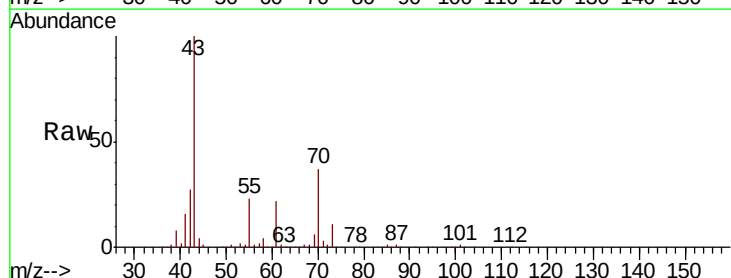
Ion Ratio Lower Upper

43 100

70 36.5 28.6 43.0

55 23.1 17.8 26.8

61 22.1 17.0 25.6

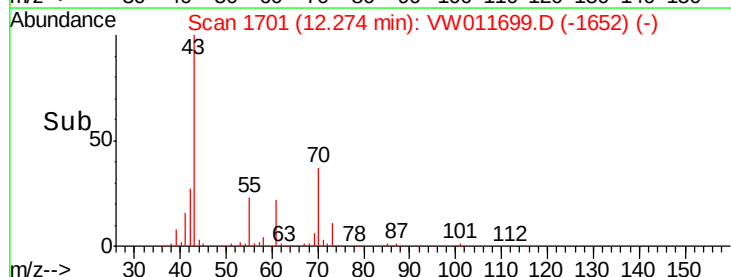
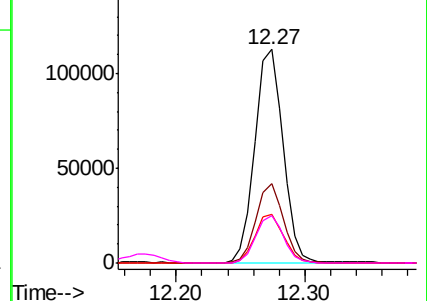


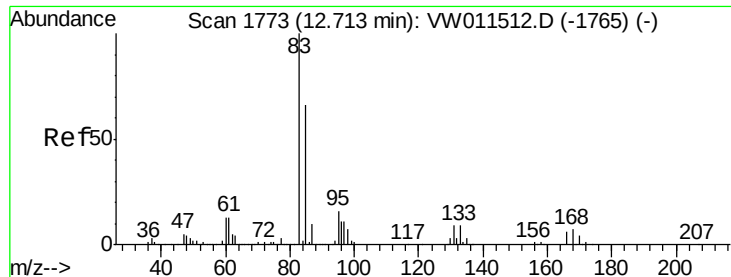
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 61.431 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011699.D

Acq: 04 Aug 2019 07:43

Instrument :

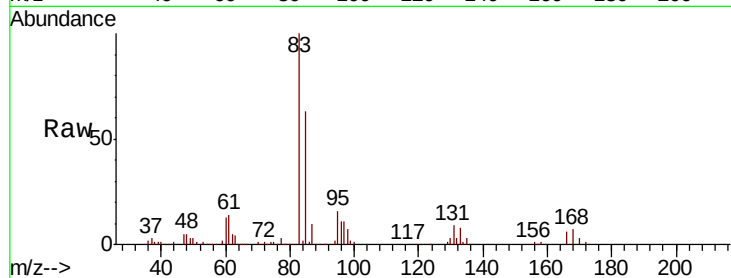
MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 115580

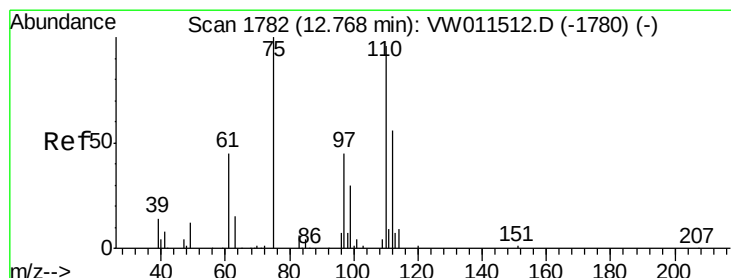
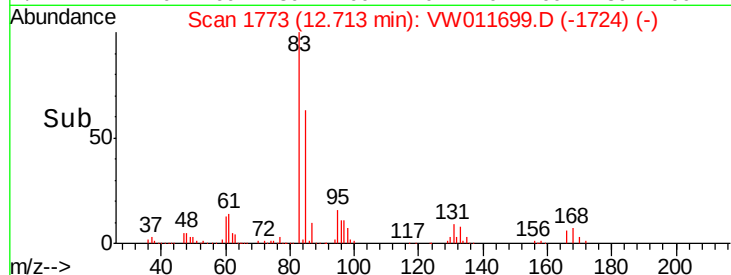
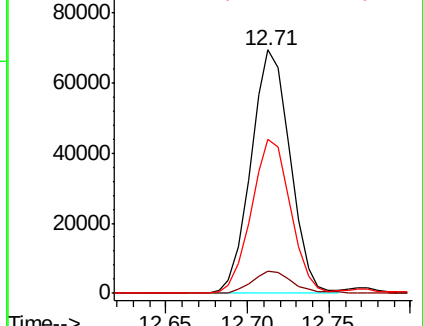
Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.9	14.6
85	63.3	31.8	95.4



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: 104.622 ug/l

RT: 12.77 min Scan# 1782

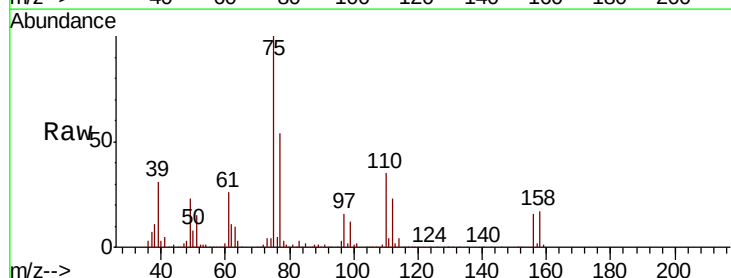
Delta R.T. -0.00 min

Lab File: VW011699.D

Acq: 04 Aug 2019 07:43

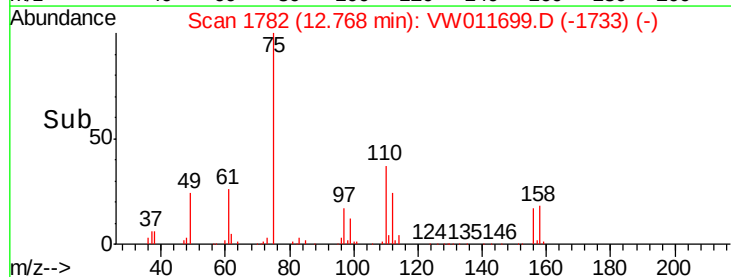
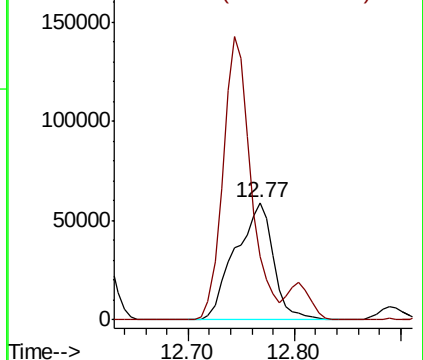
Tgt Ion: 75 Resp: 148427

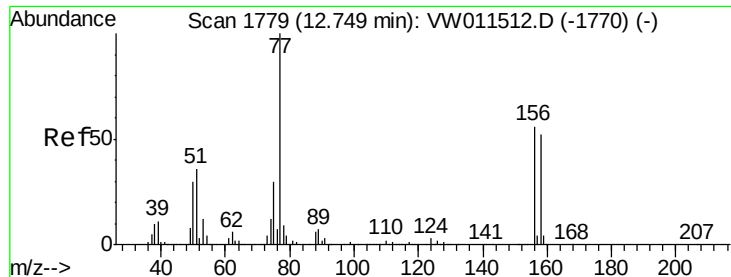
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 54.694 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW011699.D

Acq: 04 Aug 2019 07:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

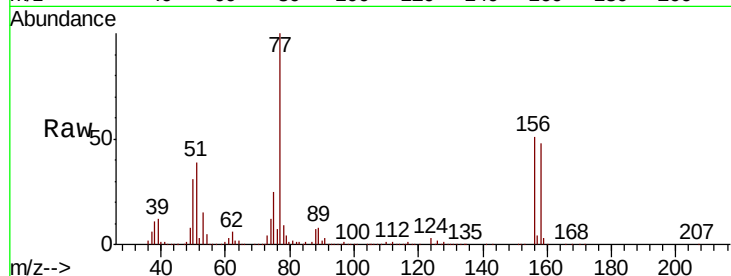
Tot Ion:156 Resp: 120920

Ion Ratio Lower Upper

156 100

77 216.7 106.5 319.4

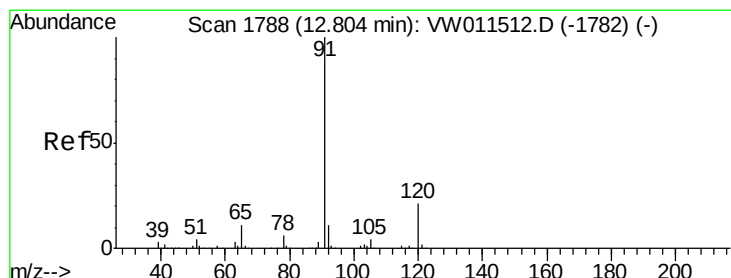
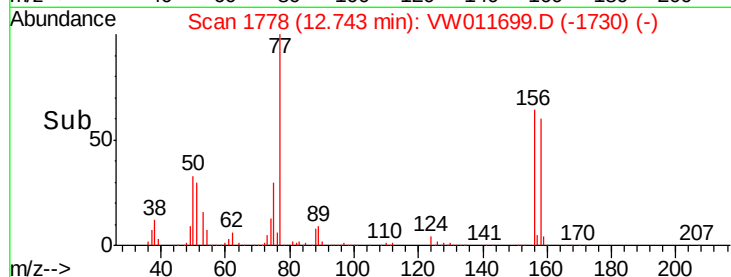
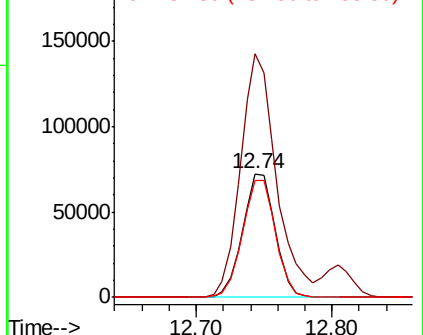
158 96.0 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.375 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW011699.D

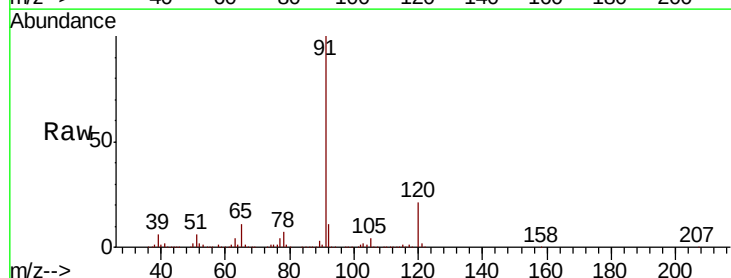
Acq: 04 Aug 2019 07:43

Tgt Ion: 91 Resp: 674090

Ion Ratio Lower Upper

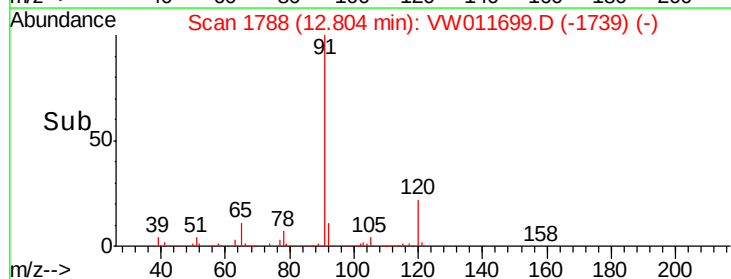
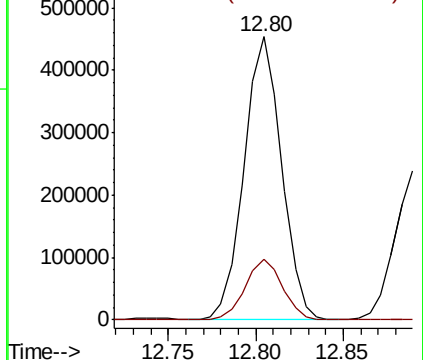
91 100

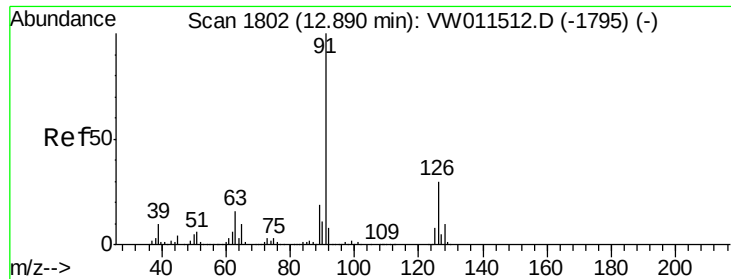
120 21.4 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.037 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW011699.D

Acq: 04 Aug 2019 07:43

Instrument :

MSVOA_W

ClientSampleId :

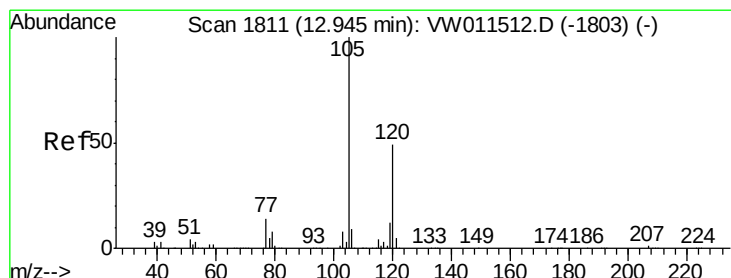
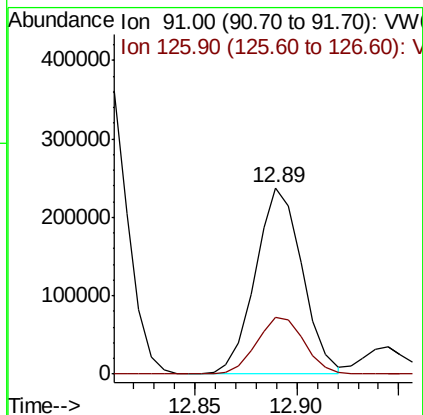
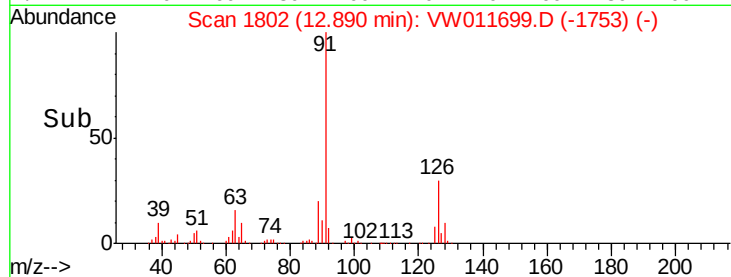
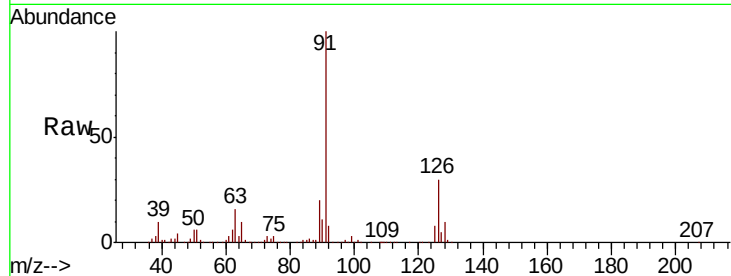
VSTDCCC050EC

Tot Ion: 91 Resp: 378959

Ion Ratio Lower Upper

91 100

126 31.4 15.7 47.1



#80

1,3,5-Trimethylbenzene

Concen: 54.742 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011699.D

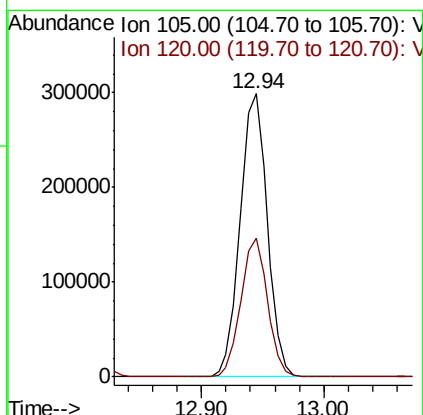
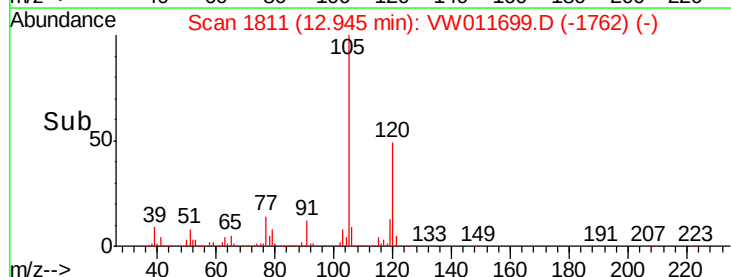
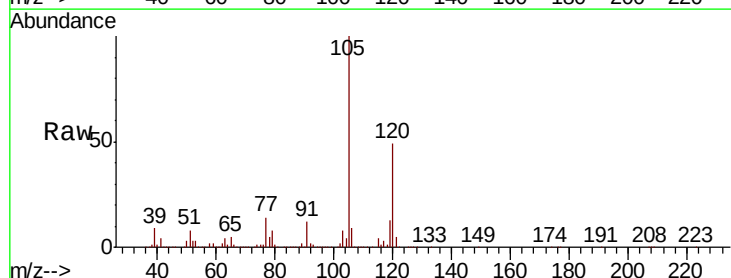
Acq: 04 Aug 2019 07:43

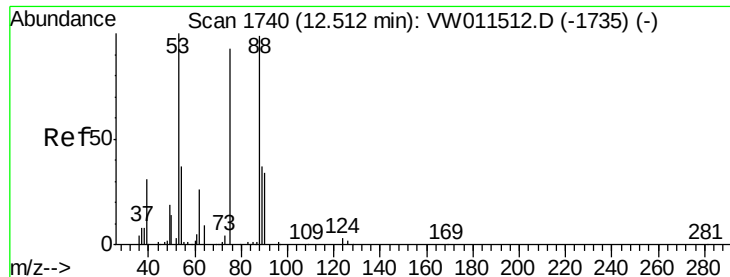
Tgt Ion:105 Resp: 458992

Ion Ratio Lower Upper

105 100

120 48.2 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 54.248 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW011699.D

Acq: 04 Aug 2019 07:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

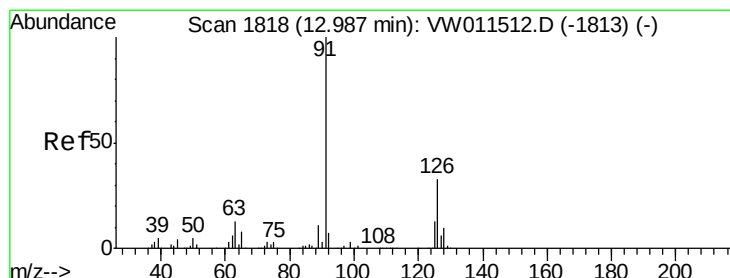
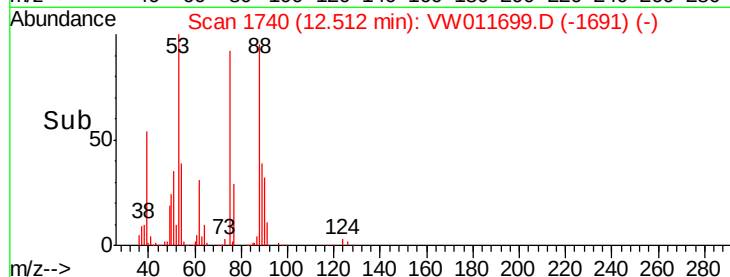
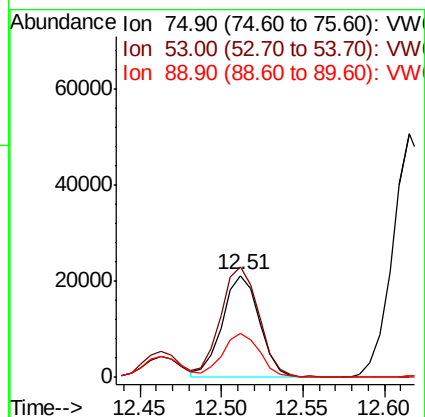
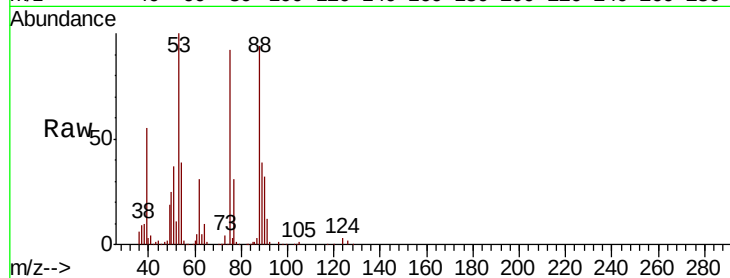
Tot Ion: 75 Resp: 33394

Ion Ratio Lower Upper

75 100

53 113.3 88.0 132.0

89 42.4 35.3 52.9



#82

4-Chlorotoluene

Concen: 54.126 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW011699.D

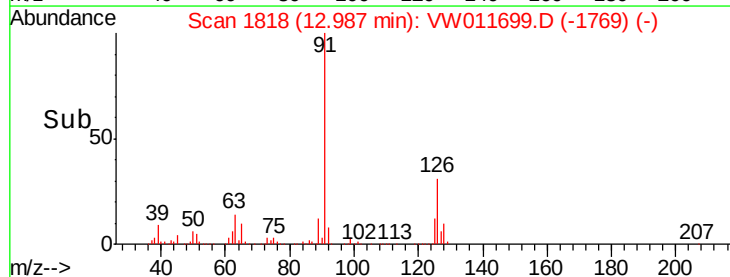
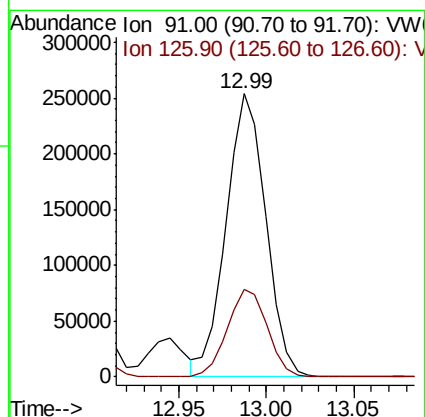
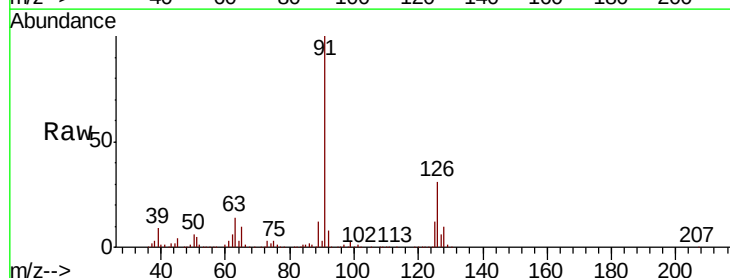
Acq: 04 Aug 2019 07:43

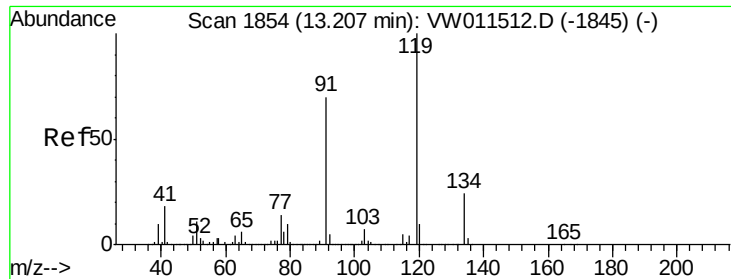
Tgt Ion: 91 Resp: 398265

Ion Ratio Lower Upper

91 100

126 31.3 15.6 46.8

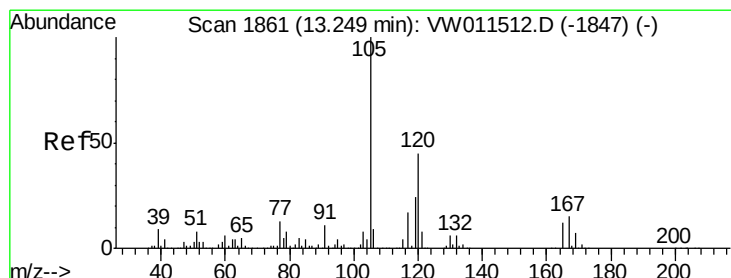
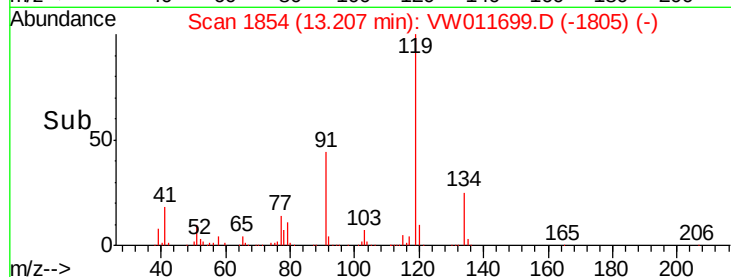
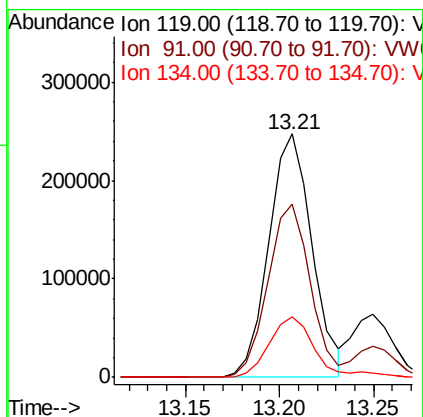
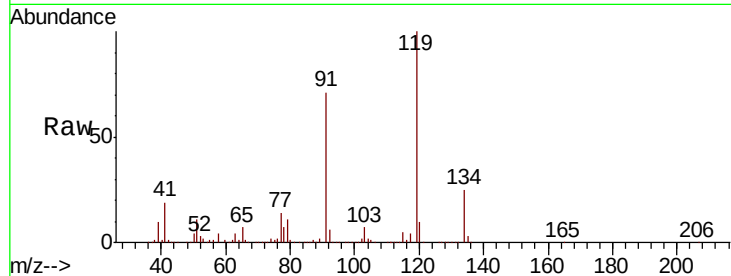




#83
 tert-Butylbenzene
 Concen: 56.087 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW011699.D
 Acq: 04 Aug 2019 07:43

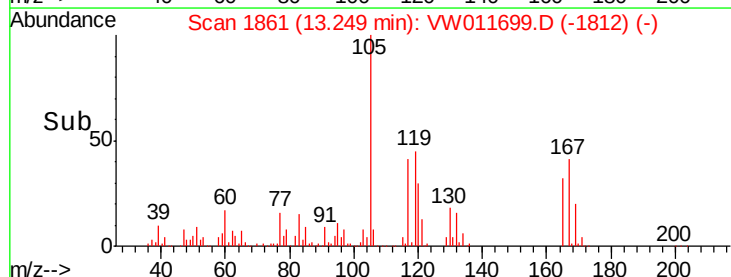
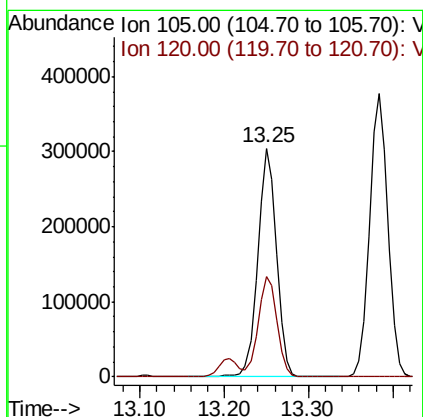
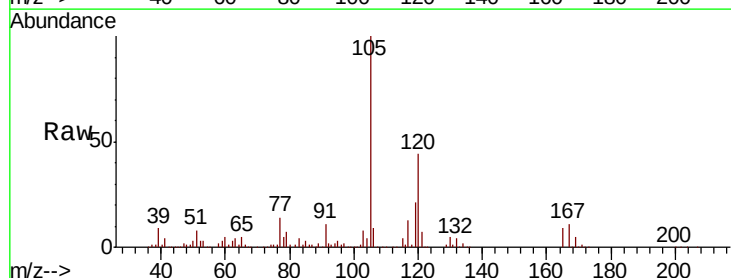
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

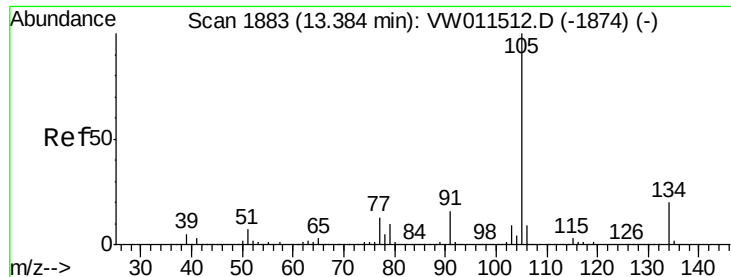
Tot Ion:119 Resp: 393261
 Ion Ratio Lower Upper
 119 100
 91 69.9 34.5 103.6
 134 25.0 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 54.881 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW011699.D
 Acq: 04 Aug 2019 07:43

Tgt Ion:105 Resp: 463538
 Ion Ratio Lower Upper
 105 100
 120 43.9 22.1 66.5

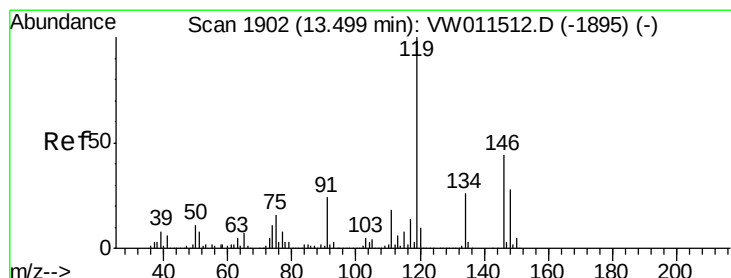
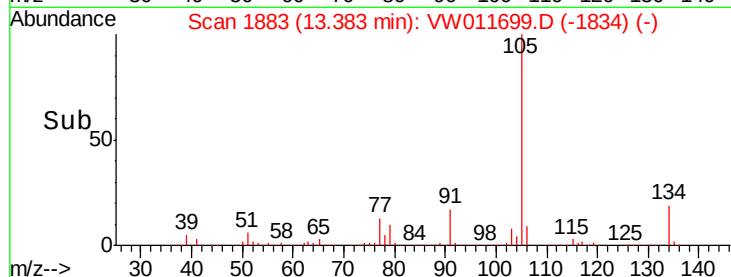
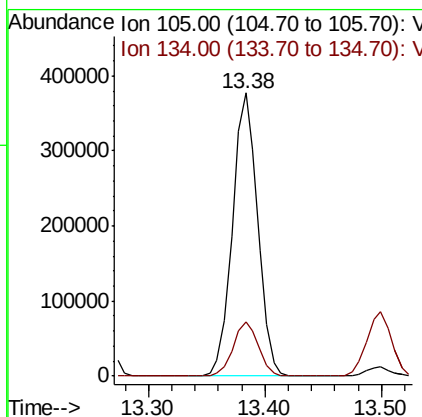
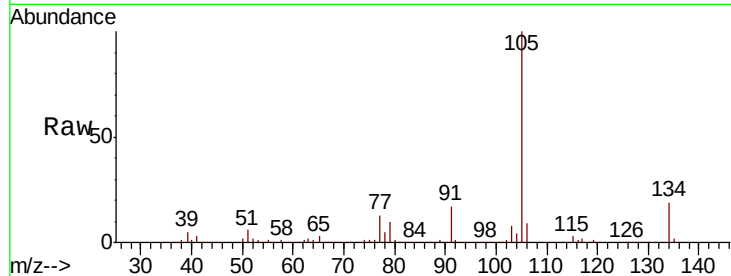




#85
 sec-Butylbenzene
 Concen: 56.696 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW011699.D
 Acq: 04 Aug 2019 07:43

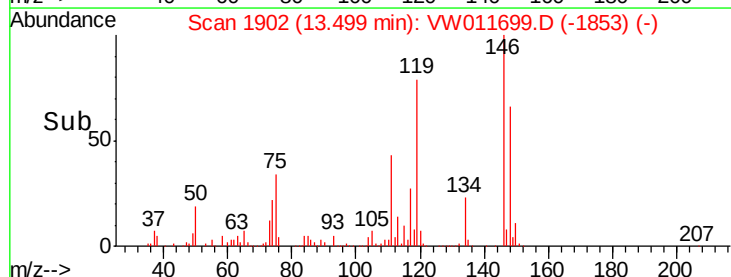
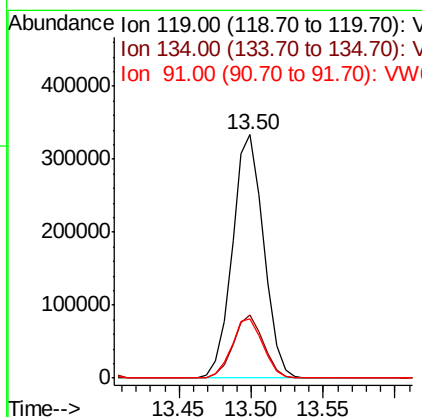
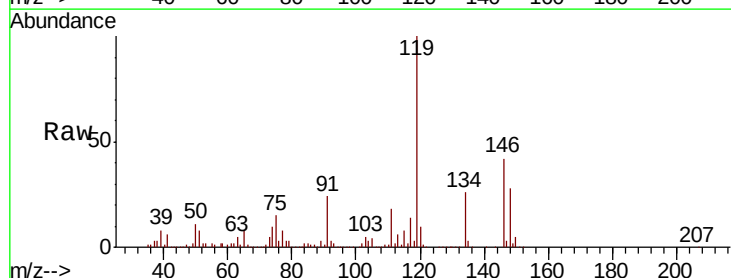
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

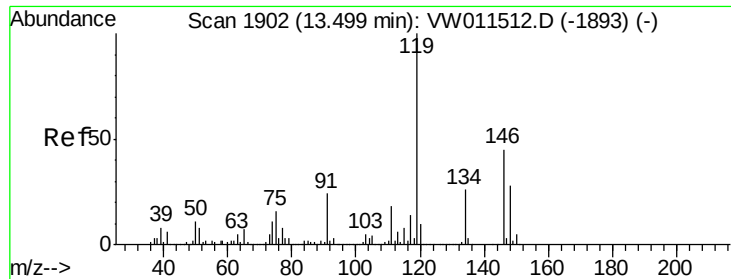
Tot Ion:105 Resp: 567227
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 55.342 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011699.D
 Acq: 04 Aug 2019 07:43

Tgt Ion:119 Resp: 502360
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.8 38.4
 91 24.8 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 52.462 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

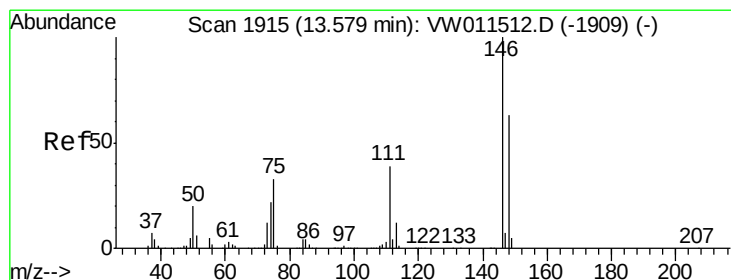
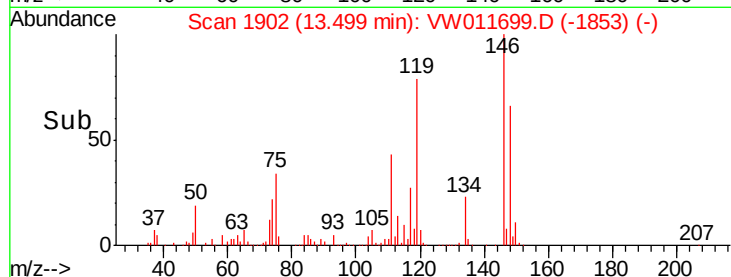
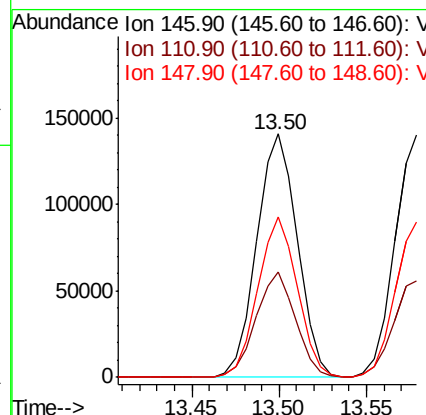
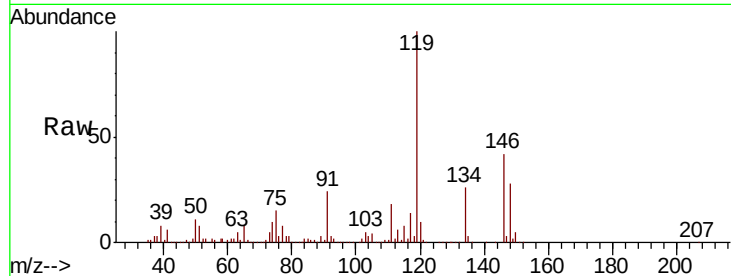
Lab File: VW011699.D

Acq: 04 Aug 2019 07:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:146 Resp: 227425

Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.5	61.6
148	63.9	31.8	95.3



#88

1,4-Dichlorobenzene

Concen: 52.632 ug/l

RT: 13.58 min Scan# 1915

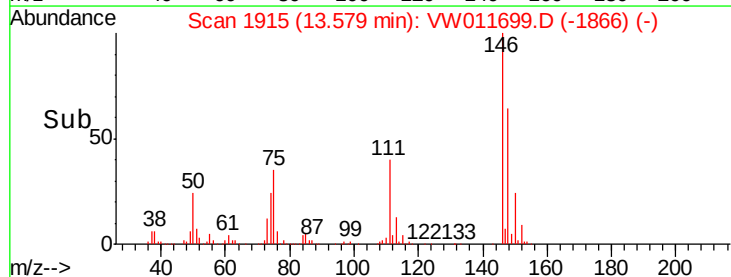
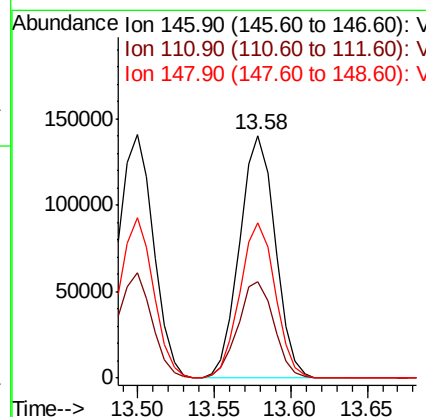
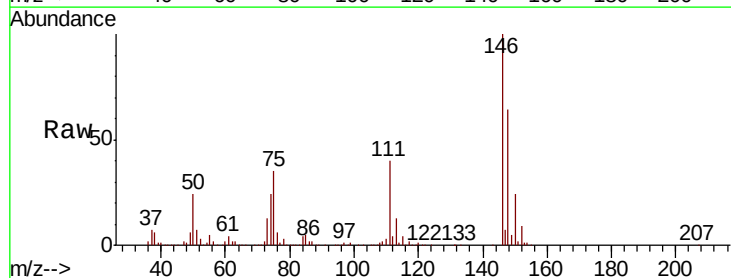
Delta R.T. -0.00 min

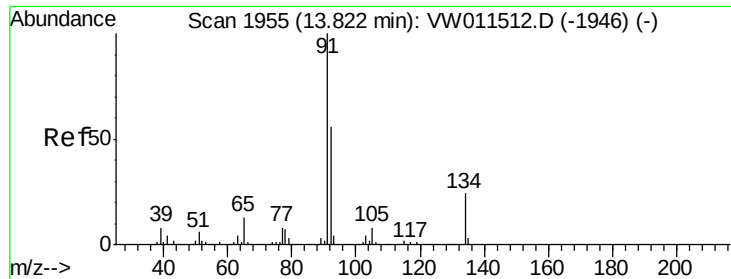
Lab File: VW011699.D

Acq: 04 Aug 2019 07:43

Tgt Ion:146 Resp: 226967

Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.1	60.2
148	64.0	31.9	95.9





#89

n-Butylbenzene

Concen: 54.181 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW011699.D

Acq: 04 Aug 2019 07:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

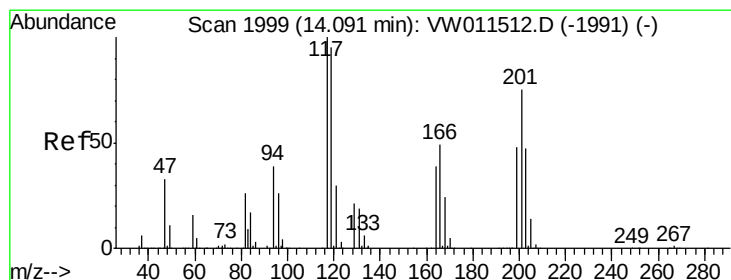
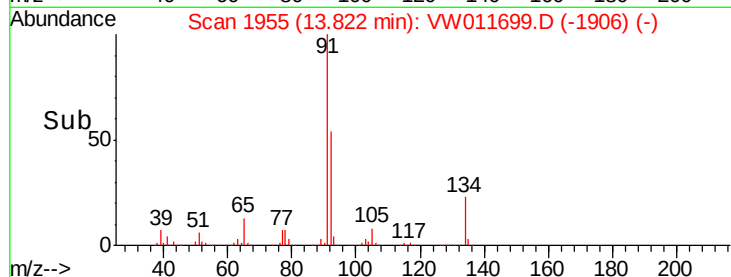
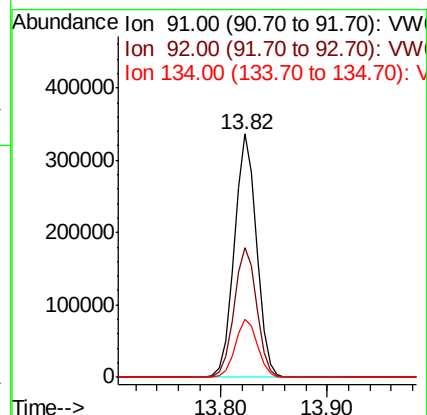
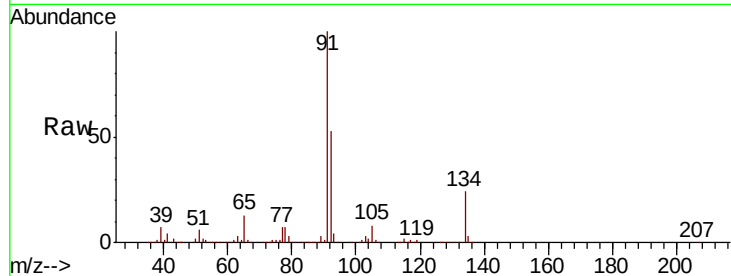
Tot Ion: 91 Resp: 490811

Ion Ratio Lower Upper

91 100

92 54.4 27.5 82.4

134 24.0 12.2 36.6



#90

Hexachloroethane

Concen: 54.434 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW011699.D

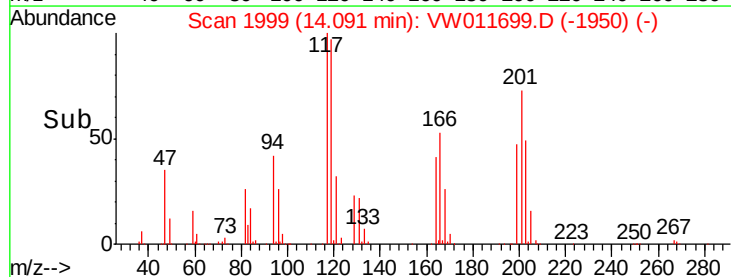
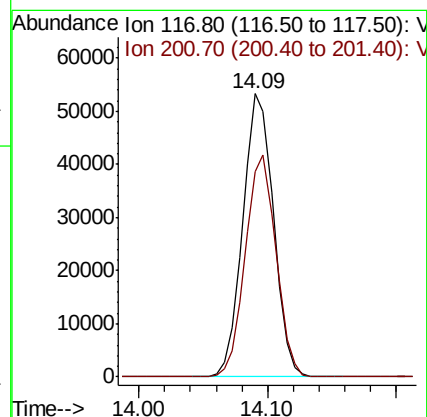
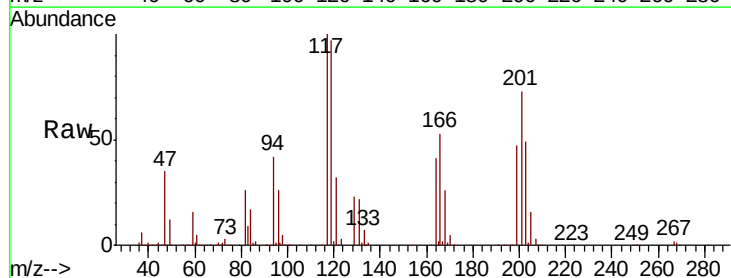
Acq: 04 Aug 2019 07:43

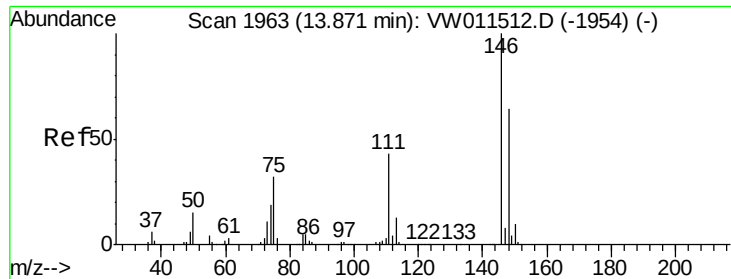
Tgt Ion: 117 Resp: 87374

Ion Ratio Lower Upper

117 100

201 78.5 39.4 118.2

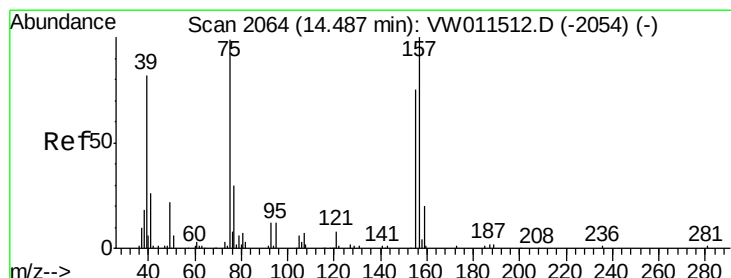
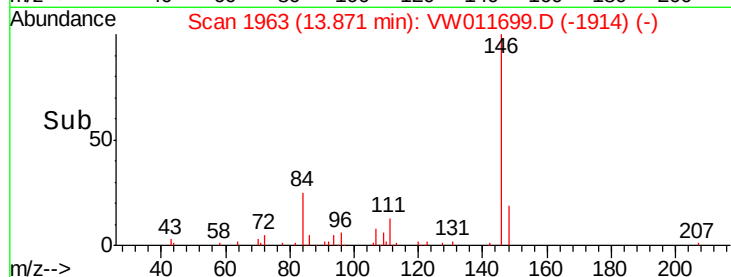
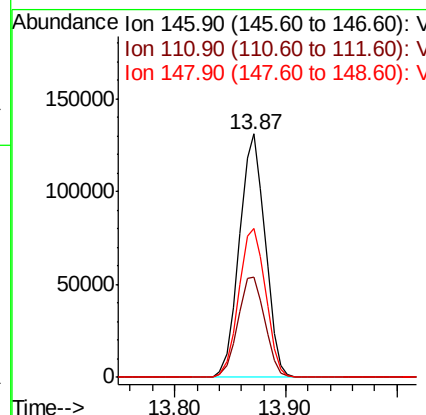
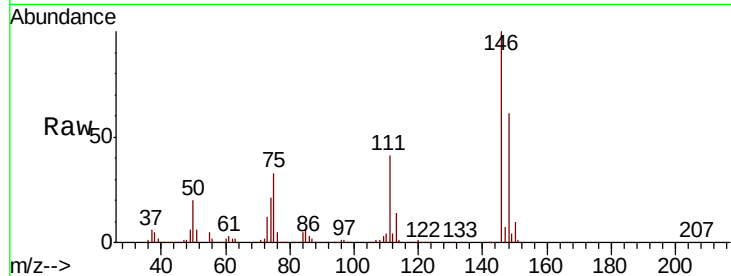




#91
 1,2-Dichlorobenzene
 Concen: 54.690 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011699.D
 Acq: 04 Aug 2019 07:43

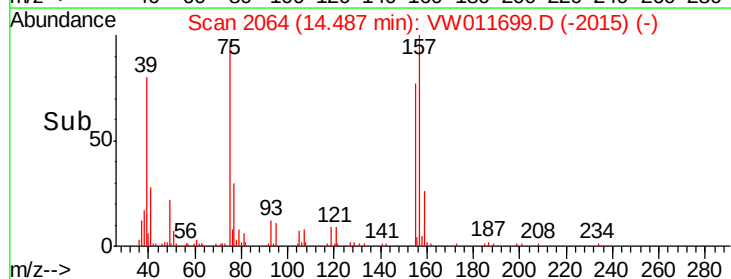
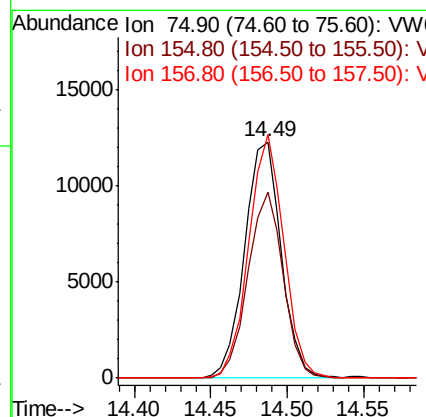
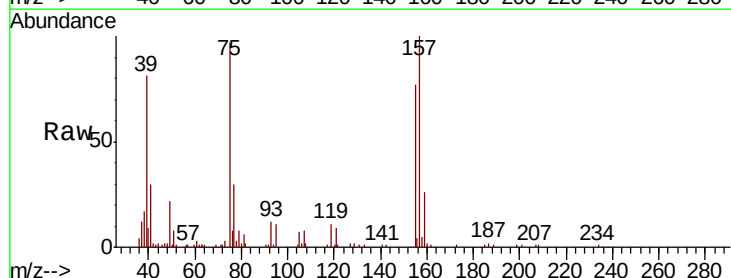
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

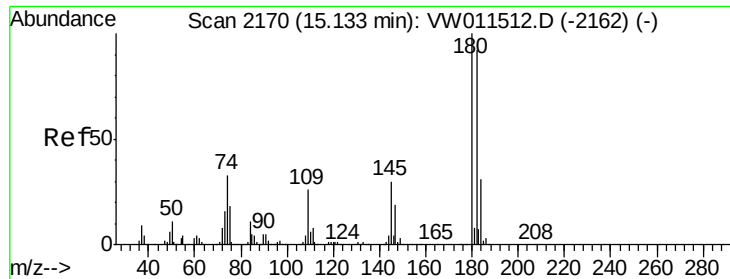
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.6	65.0
148	63.7	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 63.589 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011699.D
 Acq: 04 Aug 2019 07:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.0	38.2	114.6
157	98.8	48.9	146.7

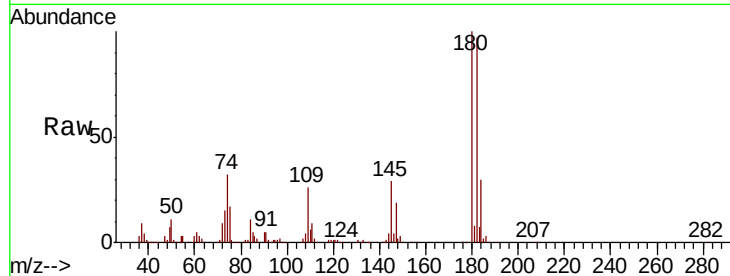




#93
 1,2,4-Trichlorobenzene
 Concen: 52.622 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011699.D
 Acq: 04 Aug 2019 07:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.4	142.2
145	30.5	15.4	46.1

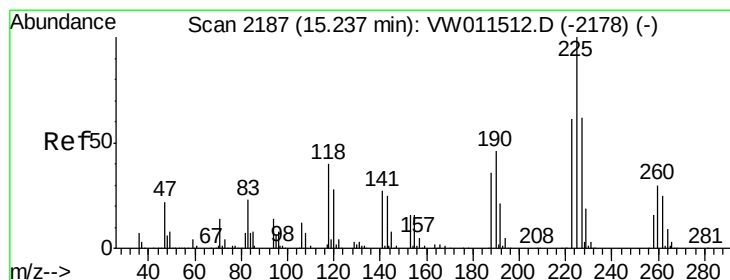
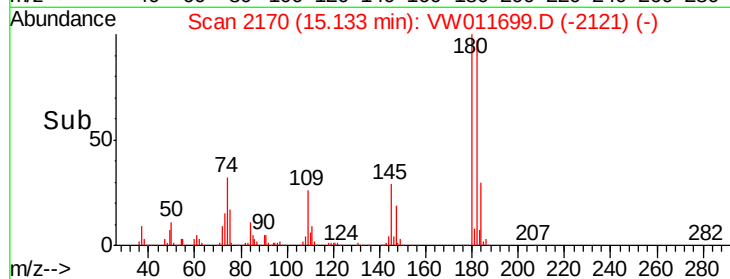
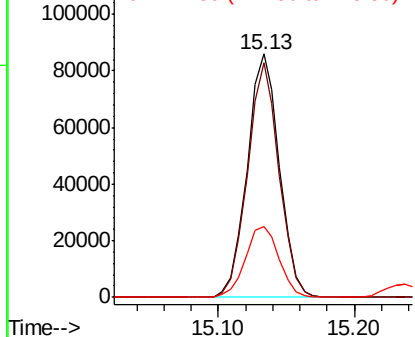


Abundance

Ion 179.80 (179.50 to 180.50): V

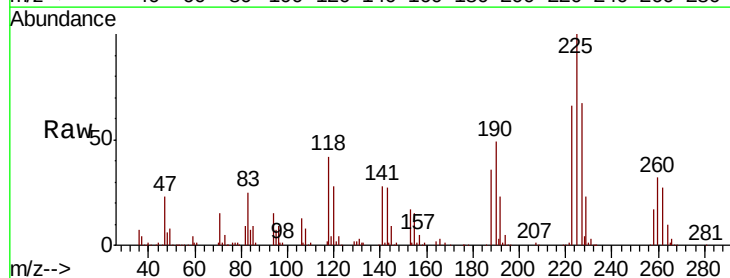
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 55.129 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011699.D
 Acq: 04 Aug 2019 07:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	30.8	92.3
227	64.0	31.6	94.7

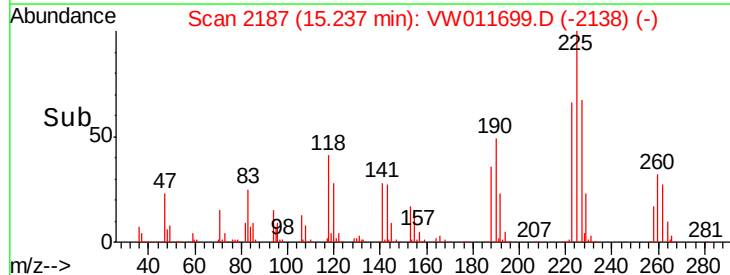
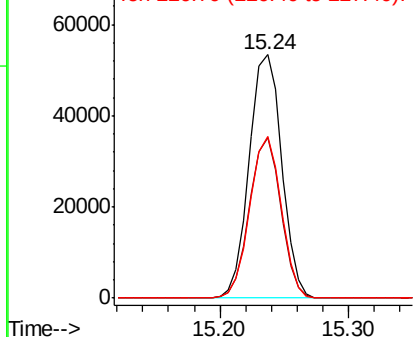


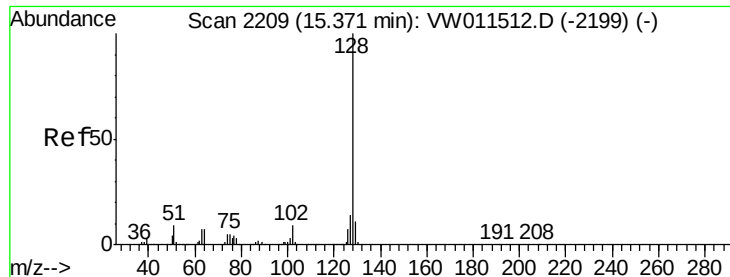
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

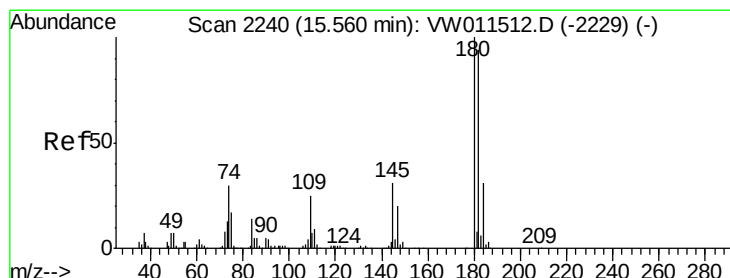
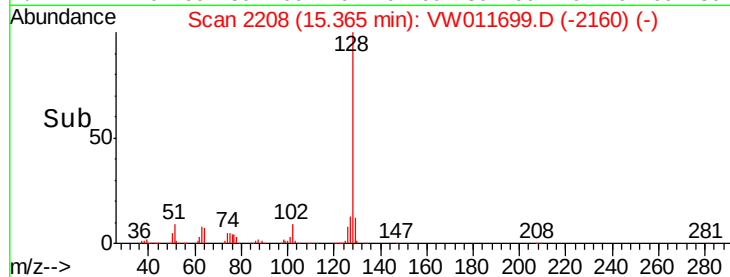
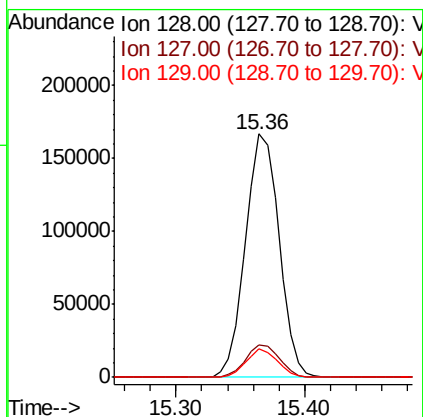
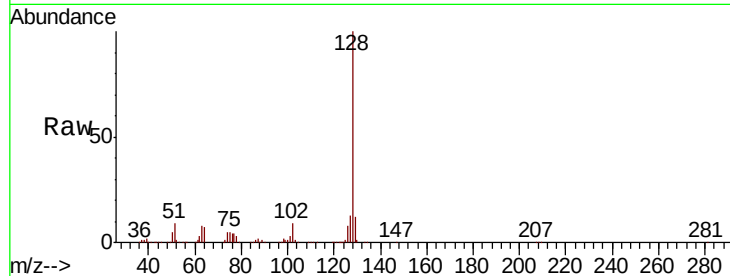




#95
Naphthalene
Concen: 56.668 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW011699.D
Acq: 04 Aug 2019 07:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 301471
Ion Ratio Lower Upper
128 100
127 13.4 10.6 16.0
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 55.312 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW011699.D
Acq: 04 Aug 2019 07:43

Tgt Ion:180 Resp: 131013
Ion Ratio Lower Upper
180 100
182 92.6 47.4 142.2
145 31.8 15.9 47.7

