

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072419\
 Data File : VW011442.D
 Acq On : 23 Jul 2019 19:34
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 24 06:38:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	220705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	359761	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	318877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	154572	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	119628	43.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.28%	
35) Dibromofluoromethane	7.88	113	97288	45.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.74%	
50) Toluene-d8	10.32	98	383548	44.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.50%	
62) 4-Bromofluorobenzene	12.62	95	143054	45.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.06%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.01	85	63932	38.840	ug/l	98
3) Chloromethane	2.21	50	97916	46.165	ug/l	98
4) Vinyl Chloride	2.36	62	120883	43.544	ug/l	97
5) Bromomethane	2.77	94	63738	45.691	ug/l	97
6) Chloroethane	2.92	64	69548	46.512	ug/l	99
7) Trichlorofluoromethane	3.25	101	54079	54.835	ug/l	96
8) Diethyl Ether	3.68	74	64887	47.551	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	108905	46.102	ug/l	99
10) Methyl Iodide	4.27	142	152732	47.009	ug/l	99
11) Tert butyl alcohol	5.17	59	47616	231.909	ug/l	98
12) 1,1-Dichloroethene	4.04	96	112683	45.959	ug/l	91
13) Acrolein	3.89	56	42303	258.740	ug/l	97
14) Allyl chloride	4.66	41	237532	53.127	ug/l	98
15) Acrylonitrile	5.36	53	172354	248.006	ug/l	99
16) Acetone	4.12	43	191336	286.743	ug/l	100
17) Carbon Disulfide	4.38	76	333619	44.883	ug/l	99
18) Methyl Acetate	4.67	43	84803	44.536	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	189729	51.000	ug/l	100
20) Methylene Chloride	4.92	84	127721	48.520	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	122498	48.083	ug/l	96
22) Diisopropyl ether	6.31	45	475240	49.420	ug/l	99
23) Vinyl Acetate	6.25	43	1548852	260.258	ug/l	100
24) 1,1-Dichloroethane	6.21	63	251566	49.819	ug/l	100
25) 2-Butanone	7.17	43	272280	259.947	ug/l	99
26) 2,2-Dichloropropane	7.17	77	136723	52.088	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	134874	49.077	ug/l	98
28) Bromochloromethane	7.51	49	108710	47.346	ug/l	99
29) Tetrahydrofuran	7.52	42	164495	239.503	ug/l	100
30) Chloroform	7.68	83	227158	48.575	ug/l	99
31) Cyclohexane	7.95	56	235693	43.874	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	172717	48.552	ug/l	99
36) 1,1-Dichloropropene	8.08	75	184455	48.147	ug/l	99
37) Ethyl Acetate	7.25	43	113485	49.302	ug/l	99
38) Carbon Tetrachloride	8.06	117	160089	49.293	ug/l	95

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 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	217540	46.848	ug/l	98
40) Benzene	8.32	78	520223	49.134	ug/l	99
41) Methacrylonitrile	7.48	41	68795	52.256	ug/l	92
42) 1,2-Dichloroethane	8.40	62	166614	48.510	ug/l	100
43) Isopropyl Acetate	8.42	43	210393	48.413	ug/l	99
44) Trichloroethene	9.09	130	123659	48.535	ug/l	98
45) 1,2-Dichloropropane	9.37	63	143343	49.996	ug/l	98
46) Dibromomethane	9.46	93	65860	48.900	ug/l	99
47) Bromodichloromethane	9.65	83	169728	49.252	ug/l	98
48) Methyl methacrylate	9.43	41	102562	49.055	ug/l	98
49) 1,4-Dioxane	9.45	88	20998	934.036	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	548424	241.580	ug/l	100
52) Toluene	10.38	92	316389	49.261	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	179801	49.017	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	210171	48.678	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	93842	49.114	ug/l	97
56) Ethyl methacrylate	10.65	69	142013	48.819	ug/l	98
57) 1,3-Dichloropropane	10.93	76	177089	49.013	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	320891	237.943	ug/l	100
59) 2-Hexanone	10.97	43	390056	247.757	ug/l	99
60) Dibromochloromethane	11.13	129	103971	49.623	ug/l	100
61) 1,2-Dibromoethane	11.23	107	88068	48.660	ug/l	100
64) Tetrachloroethene	10.86	164	102864	47.806	ug/l	99
65) Chlorobenzene	11.66	112	318904	49.190	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	113042	49.521	ug/l	99
67) Ethyl Benzene	11.73	91	610589	49.197	ug/l	99
68) m/p-Xylenes	11.84	106	442140	98.454	ug/l	100
69) o-Xylene	12.16	106	207605	49.048	ug/l	100
70) Styrene	12.18	104	365552	50.042	ug/l	100
71) Bromoform	12.35	173	58723	48.384	ug/l #	100
73) Isopropylbenzene	12.46	105	581071	50.288	ug/l	100
74) N-amyl acetate	12.27	43	193101	47.984	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	113537	47.935	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	150945	84.503	ug/l #	100
77) Bromobenzene	12.75	156	127952	49.343	ug/l	99
78) n-propylbenzene	12.80	91	705303	49.551	ug/l	100
79) 2-Chlorotoluene	12.89	91	400600	48.908	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	489062	49.821	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	36491	46.205	ug/l	99
82) 4-Chlorotoluene	12.99	91	424138	49.715	ug/l	100
83) tert-Butylbenzene	13.21	119	409777	50.053	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	490112	49.723	ug/l	99
85) sec-Butylbenzene	13.38	105	587261	49.712	ug/l	100
86) p-Isopropyltoluene	13.50	119	529438	49.968	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	247427	49.593	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	244866	48.740	ug/l	98
89) n-Butylbenzene	13.82	91	520425	49.237	ug/l	99
90) Hexachloroethane	14.10	117	94878	49.003	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	220722	48.765	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19066	45.381	ug/l	97

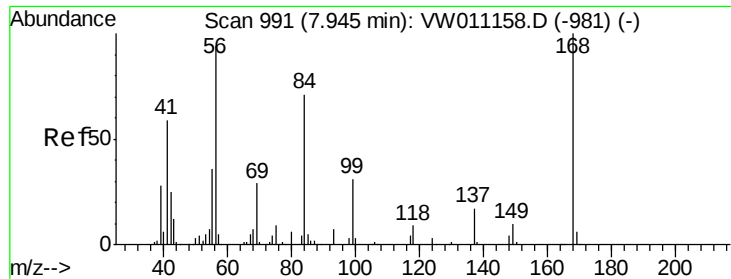
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072419\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	152426	48.893	ug/l	98
94) Hexachlorobutadiene	15.24	225	94548	49.399	ug/l	99
95) Naphthalene	15.37	128	291567	48.805	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	134037	48.716	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

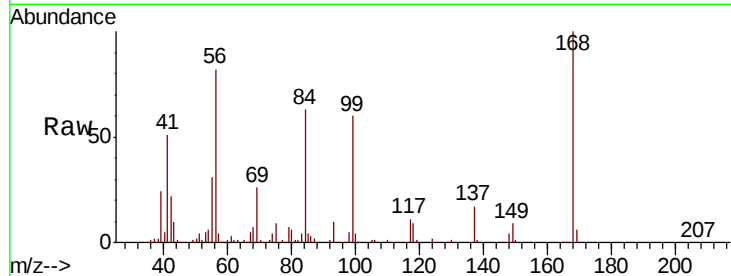
VSTDCCC050

Tot Ion:168 Resp: 220705

Ion Ratio Lower Upper

168 100

99 60.4 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

120000

100000

80000

60000

40000

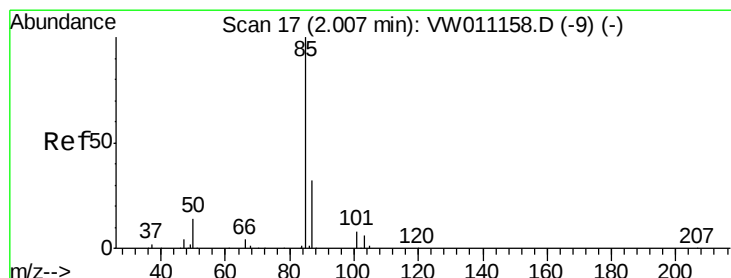
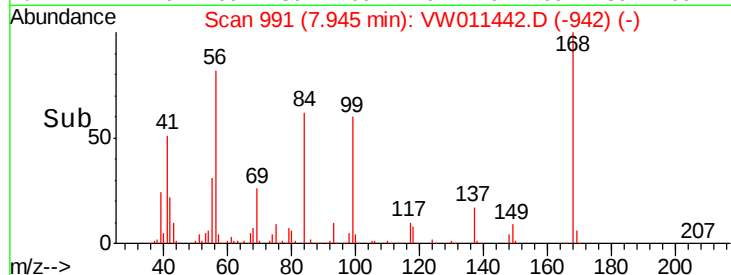
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 38.840 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011442.D

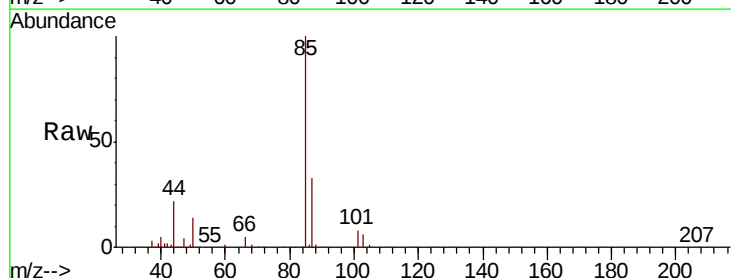
Acq: 23 Jul 2019 19:34

Tgt Ion: 85 Resp: 63932

Ion Ratio Lower Upper

85 100

87 33.1 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

25000

20000

15000

10000

5000

0

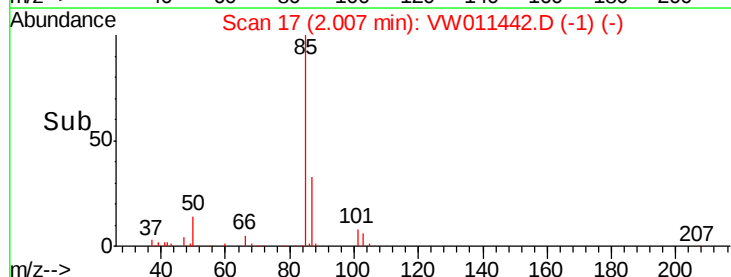
1.90

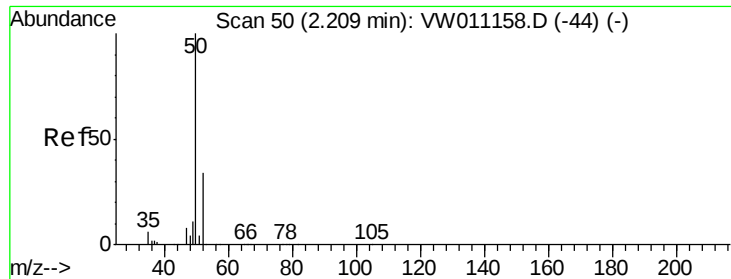
2.00

2.10

2.20

Time-->





#3

Chloromethane

Concen: 46.165 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

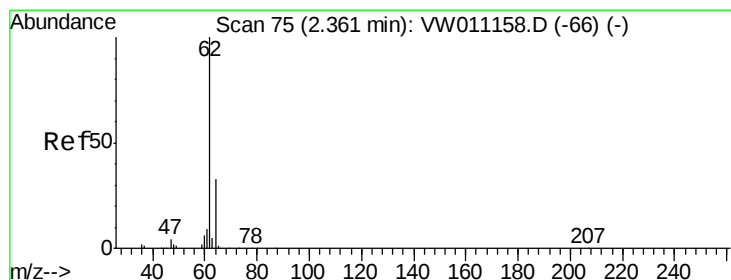
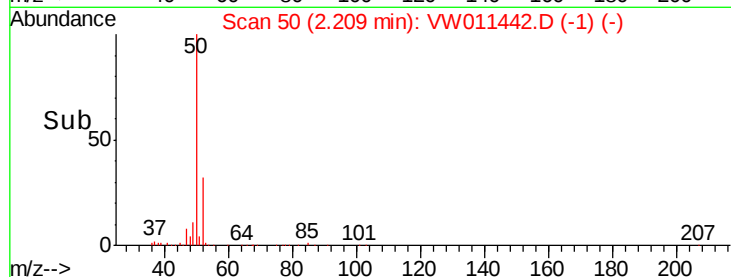
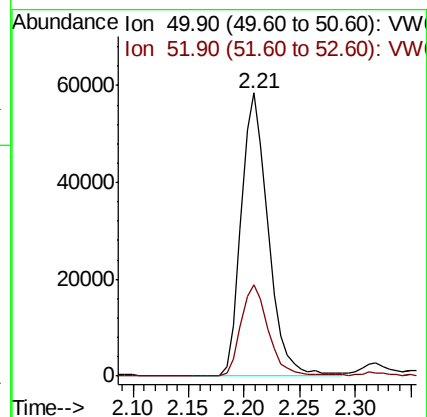
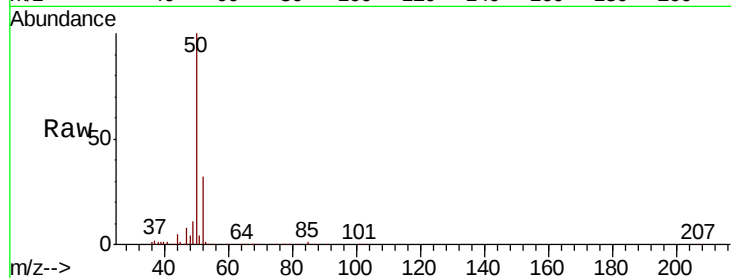
VSTDCCC050

Tot Ion: 50 Resp: 97916

Ion Ratio Lower Upper

50 100

52 32.5 26.9 40.3



#4

Vinyl Chloride

Concen: 43.544 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW011442.D

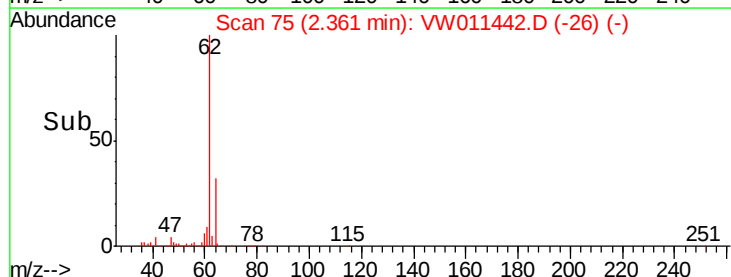
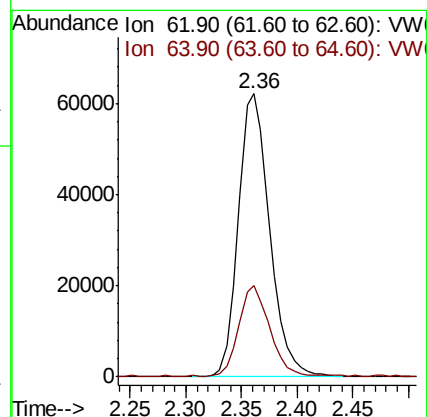
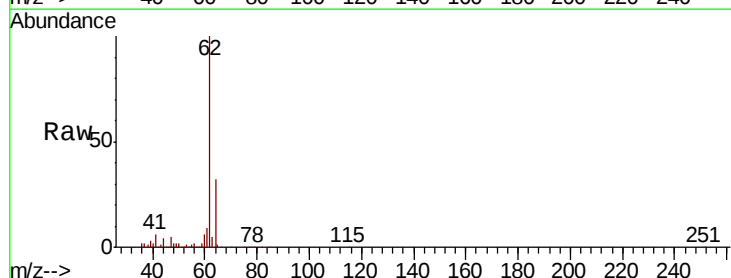
Acq: 23 Jul 2019 19:34

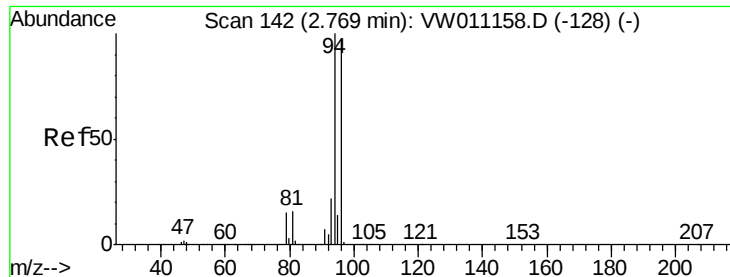
Tgt Ion: 62 Resp: 120883

Ion Ratio Lower Upper

62 100

64 31.6 26.6 40.0





#5

Bromomethane

Concen: 45.691 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

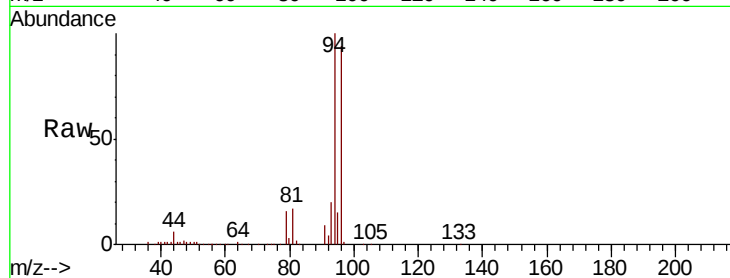
VSTDCCC050

Tot Ion: 94 Resp: 63738

Ion Ratio Lower Upper

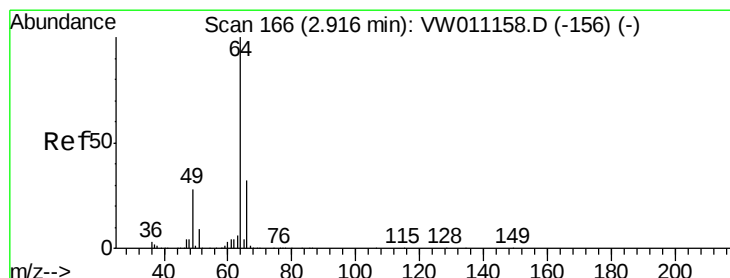
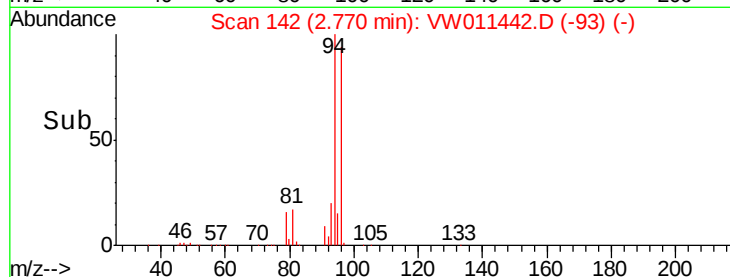
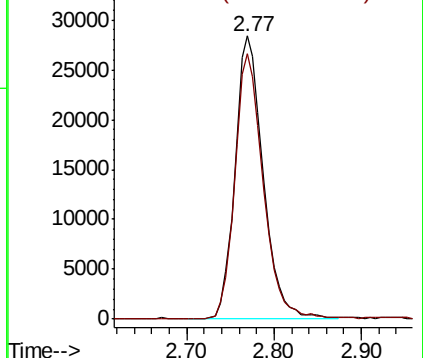
94 100

96 93.9 77.4 116.0



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 46.512 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW011442.D

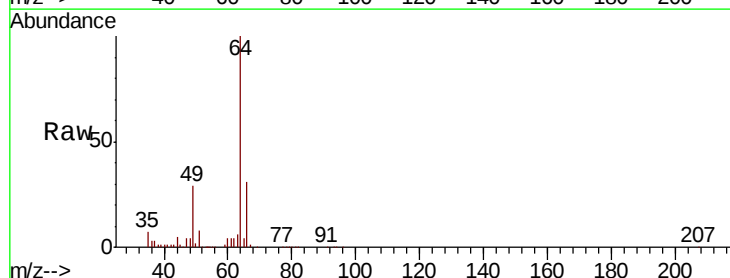
Acq: 23 Jul 2019 19:34

Tgt Ion: 64 Resp: 69548

Ion Ratio Lower Upper

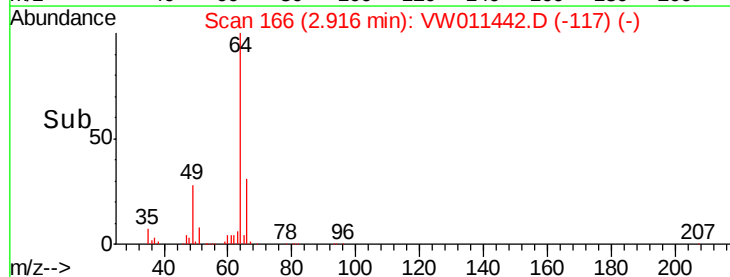
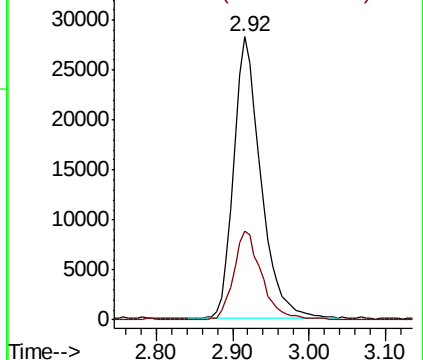
64 100

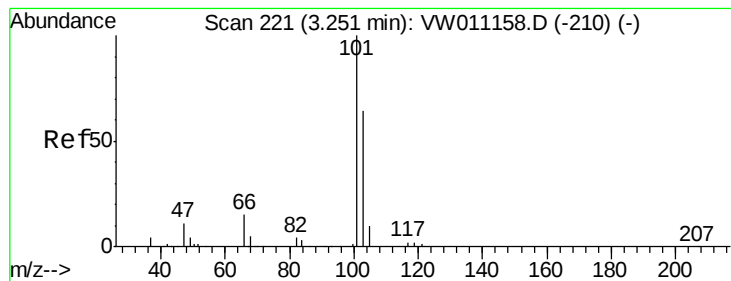
66 31.5 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



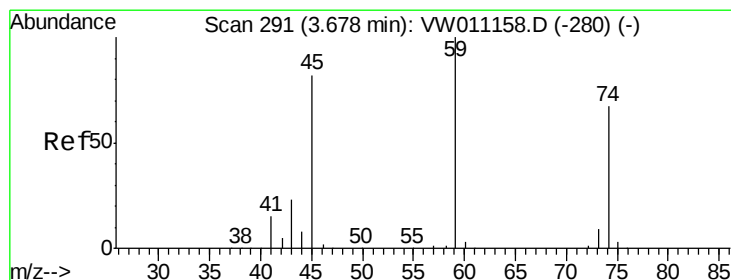
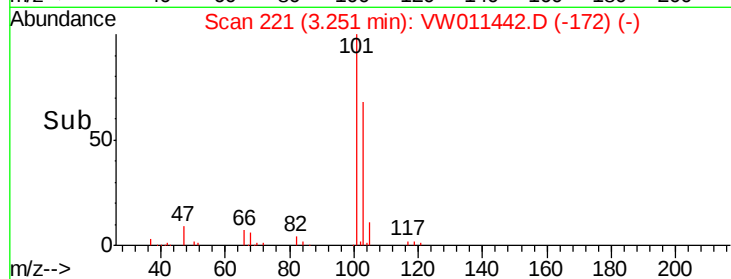
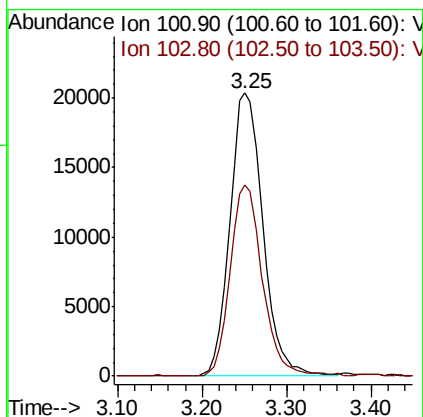
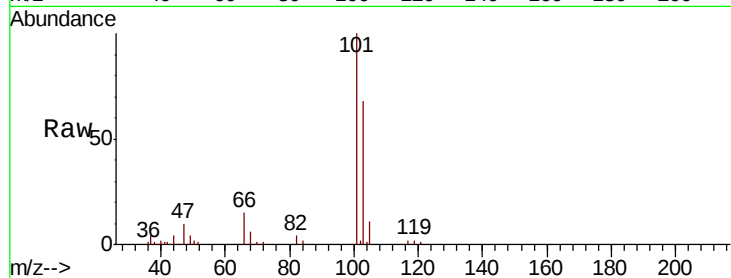


#7

Trichlorofluoromethane
 Concen: 54.835 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VW011442.D
 Acq: 23 Jul 2019 19:34

Instrument :
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 VSTDCCC050

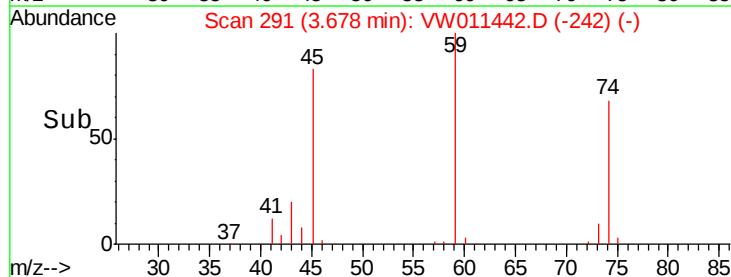
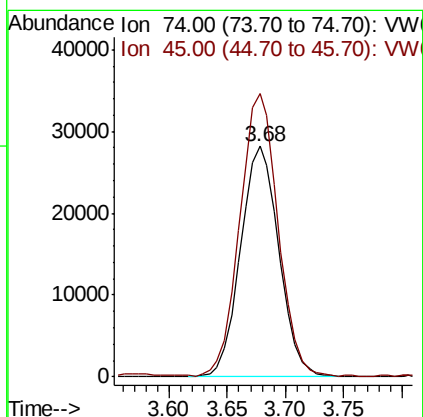
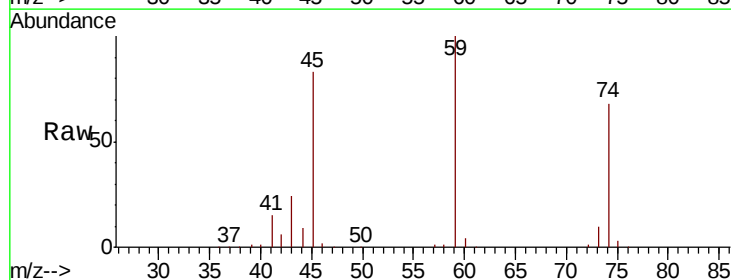
Tot Ion:101 Resp: 54079
 Ion Ratio Lower Upper
 101 100
 103 67.6 51.3 76.9

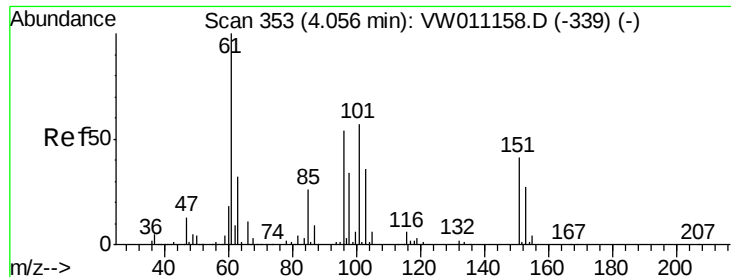


#8

Diethyl Ether
 Concen: 47.551 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW011442.D
 Acq: 23 Jul 2019 19:34

Tgt Ion: 74 Resp: 64887
 Ion Ratio Lower Upper
 74 100
 45 121.7 59.9 179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.102 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

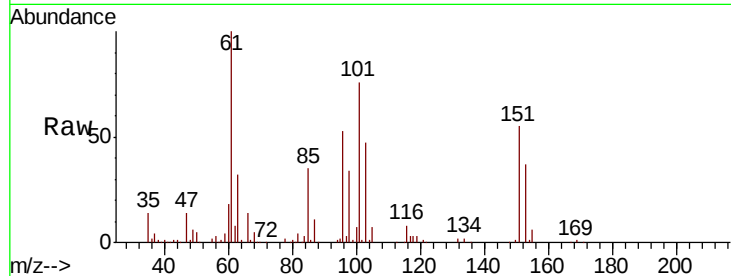
Tot Ion:101 Resp: 108905

Ion Ratio Lower Upper

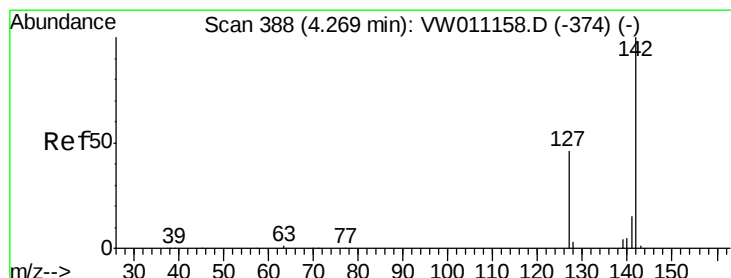
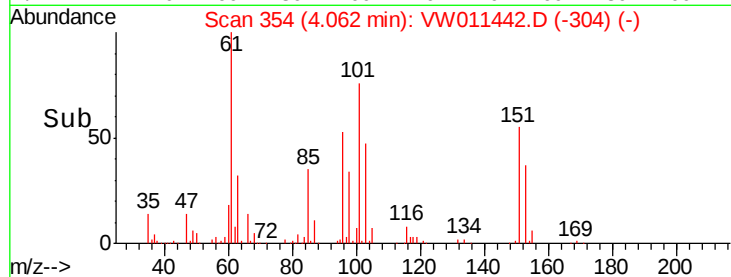
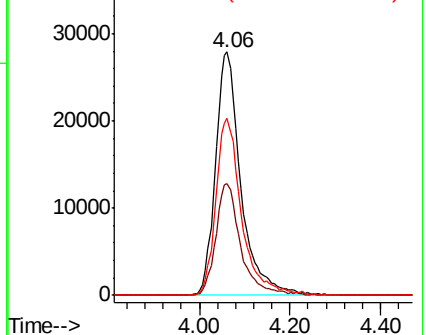
101 100

85 44.6 36.5 54.7

151 73.9 59.1 88.7



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: 47.009 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

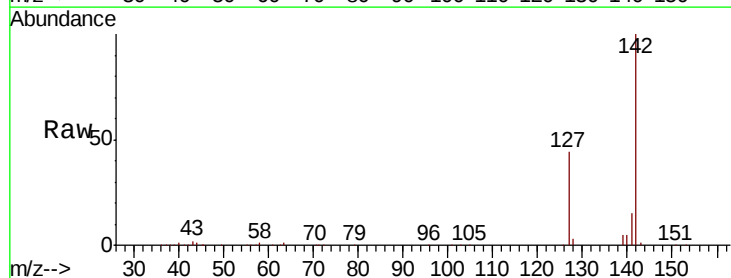
Tgt Ion:142 Resp: 152732

Ion Ratio Lower Upper

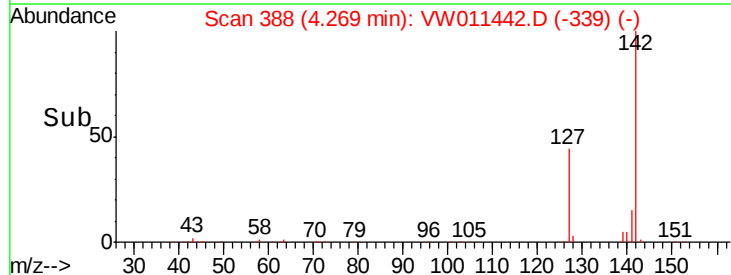
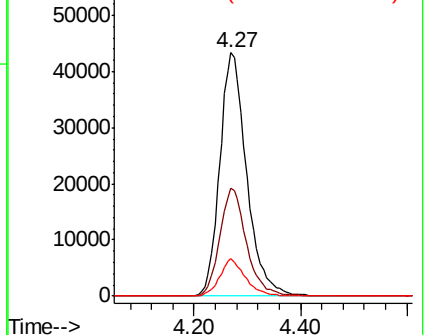
142 100

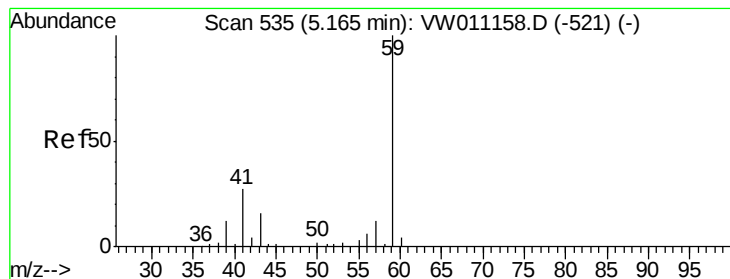
127 44.0 35.7 53.5

141 14.5 11.5 17.3



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



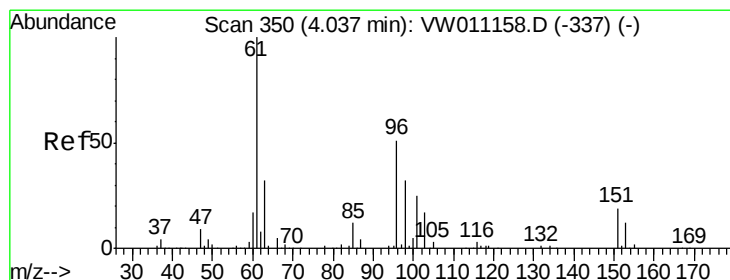
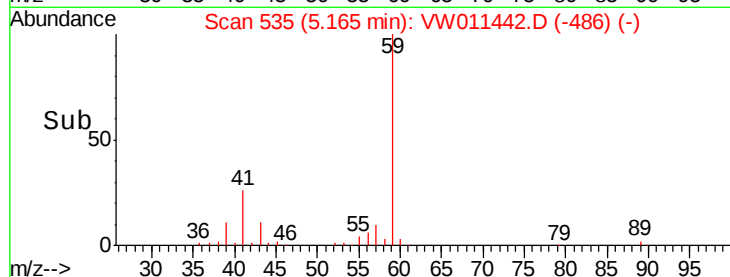
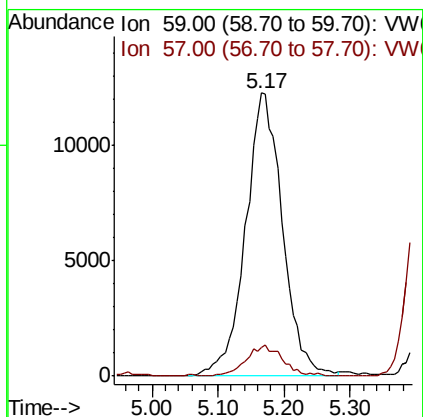
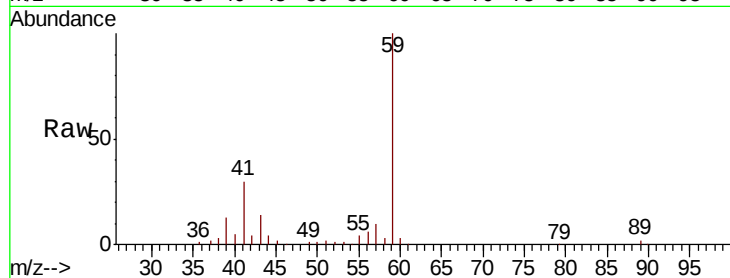


#11

Tert butyl alcohol
 Concen: 231.909 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VW011442.D
 Acq: 23 Jul 2019 19:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

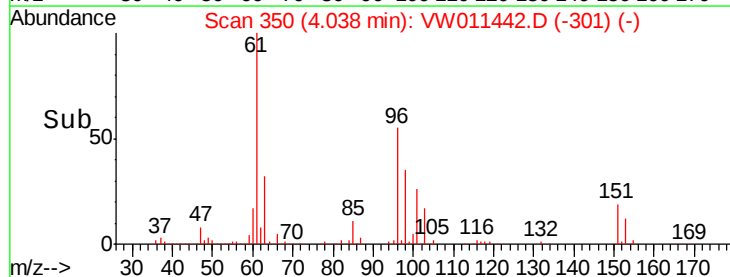
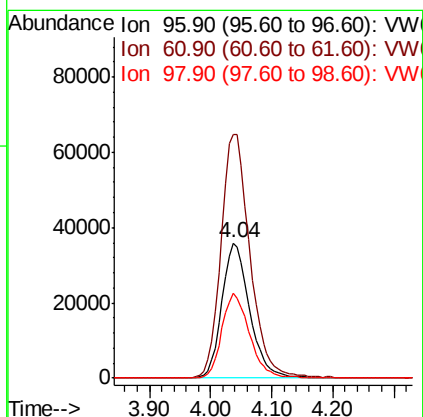
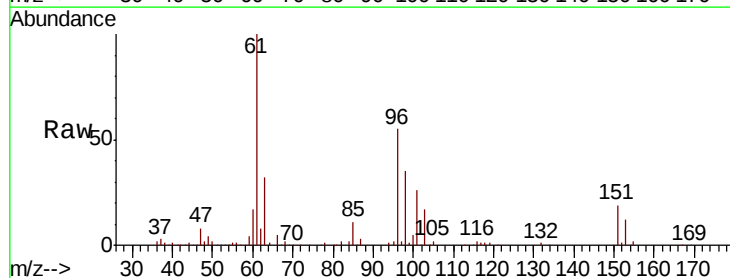
Tot Ion: 59 Resp: 47616
 Ion Ratio Lower Upper
 59 100
 57 10.5 9.0 13.6

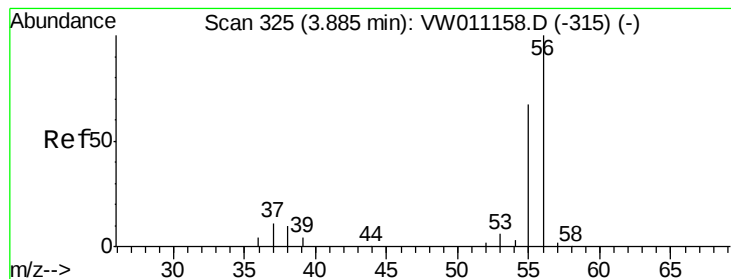


#12

1,1-Dichloroethene
 Concen: 45.959 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW011442.D
 Acq: 23 Jul 2019 19:34

Tgt Ion: 96 Resp: 112683
 Ion Ratio Lower Upper
 96 100
 61 180.5 157.7 236.5
 98 62.5 50.9 76.3





#13

Acrolein

Concen: 258.740 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

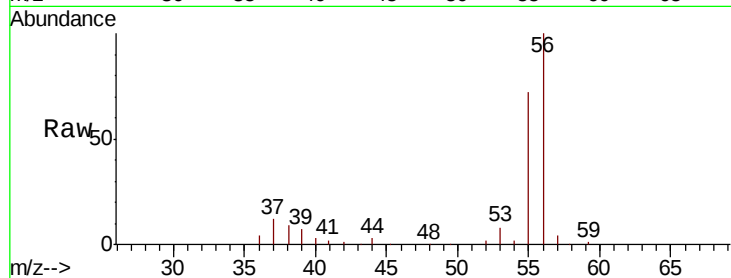
VSTDCCC050

Tot Ion: 56 Resp: 42303

Ion Ratio Lower Upper

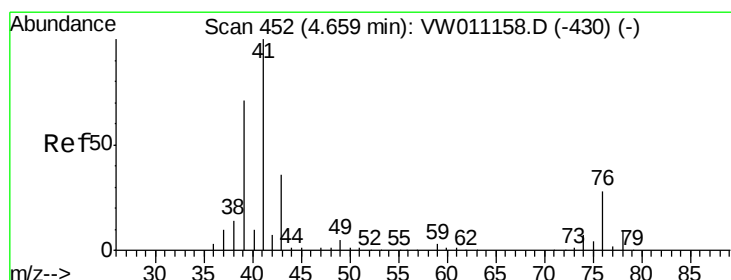
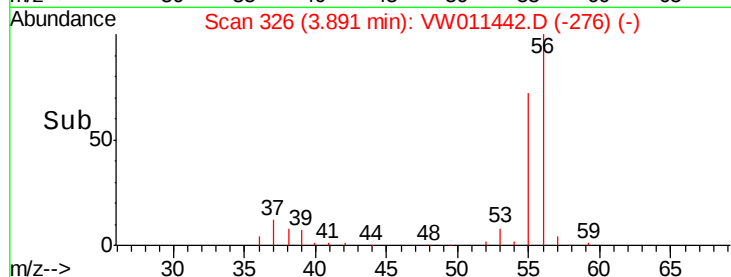
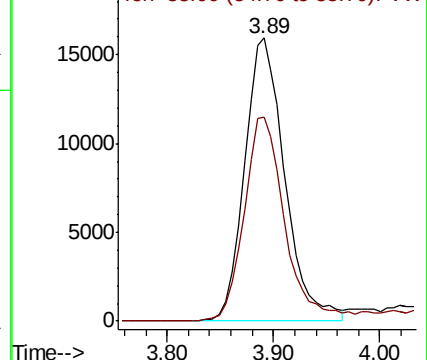
56 100

55 73.0 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 53.127 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

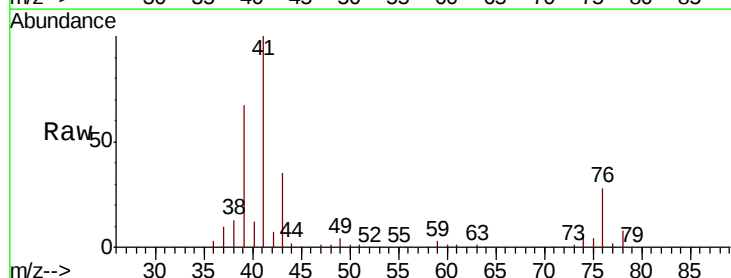
Tgt Ion: 41 Resp: 237532

Ion Ratio Lower Upper

41 100

39 66.3 55.1 82.7

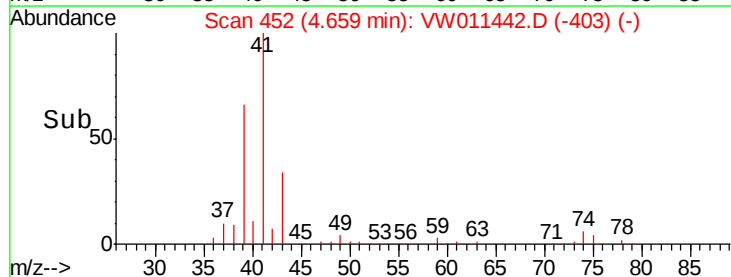
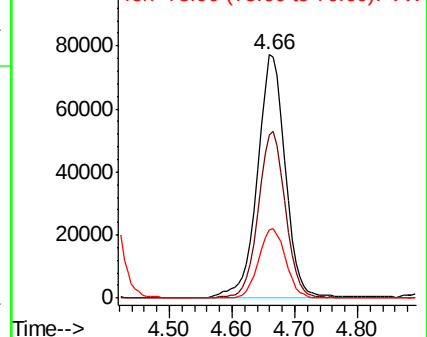
76 27.7 22.5 33.7

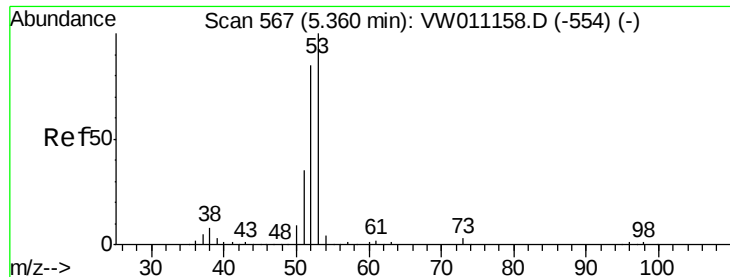


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 248.006 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

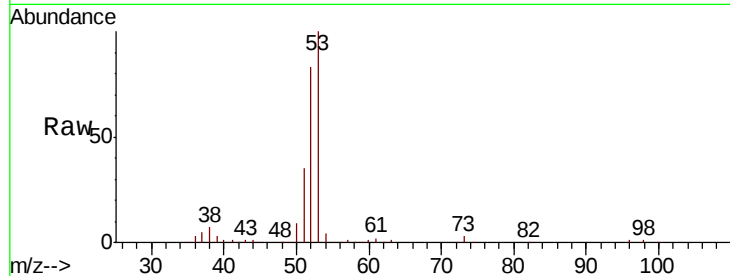
Tot Ion: 53 Resp: 172354

Ion Ratio Lower Upper

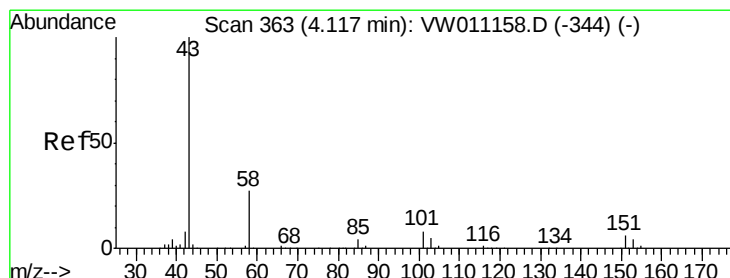
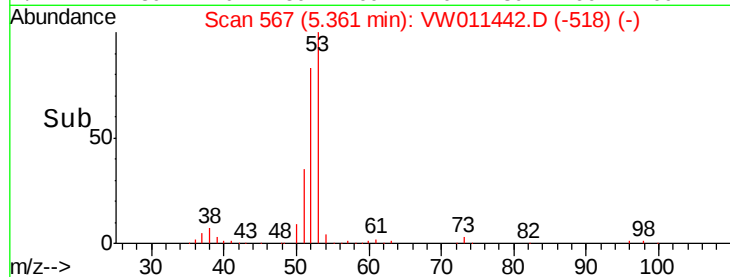
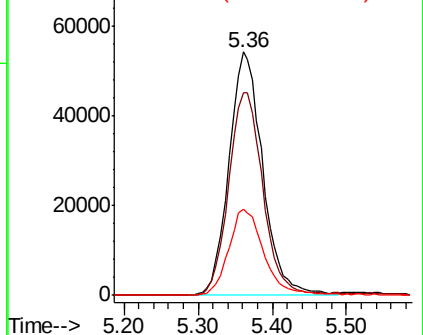
53 100

52 84.3 66.2 99.4

51 36.8 29.1 43.7



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 286.743 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011442.D

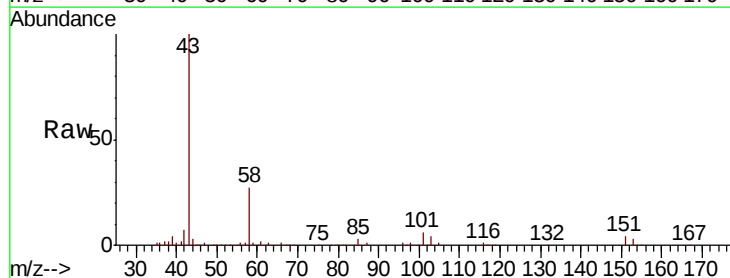
Acq: 23 Jul 2019 19:34

Tgt Ion: 43 Resp: 191336

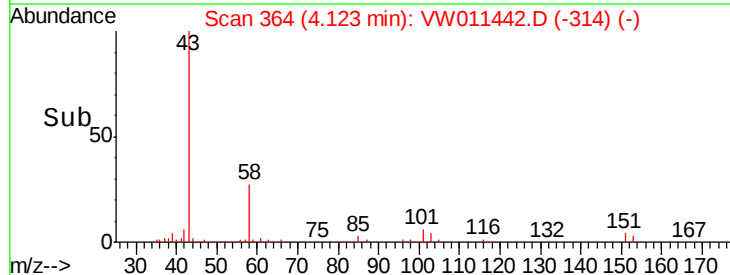
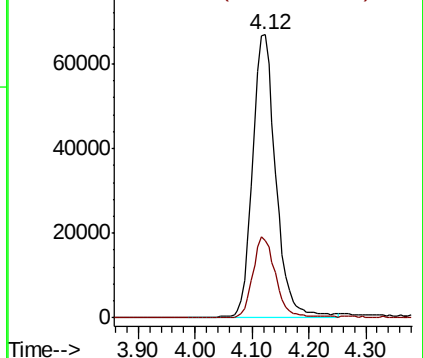
Ion Ratio Lower Upper

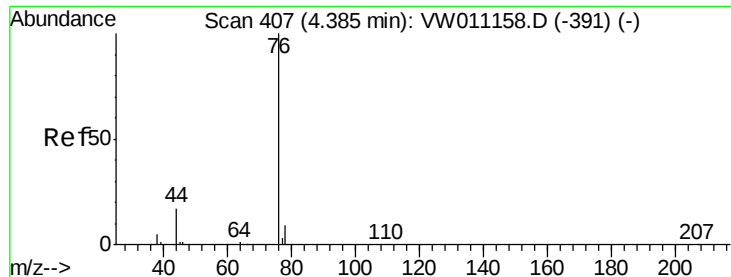
43 100

58 27.2 21.8 32.6



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

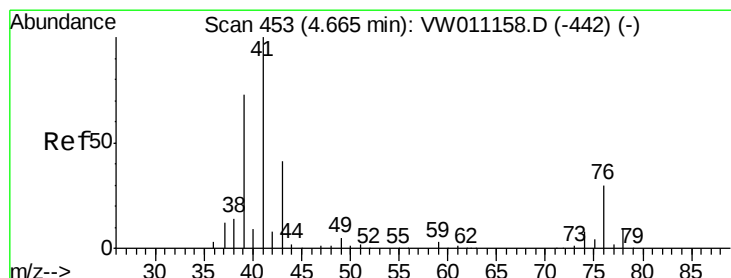
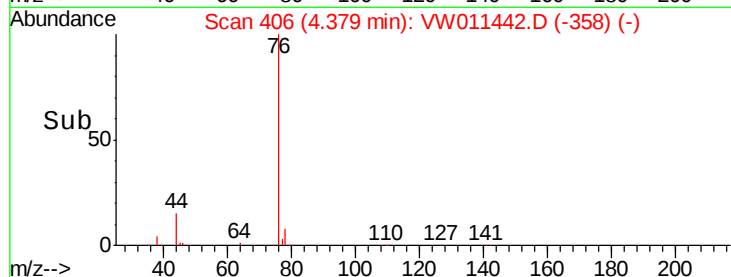
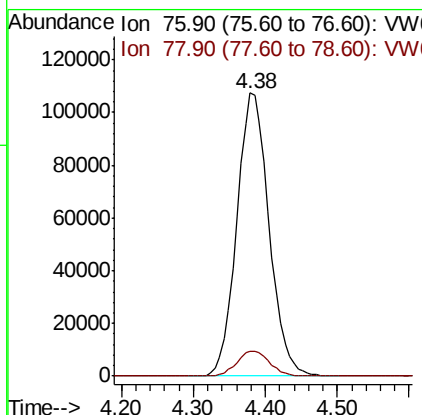
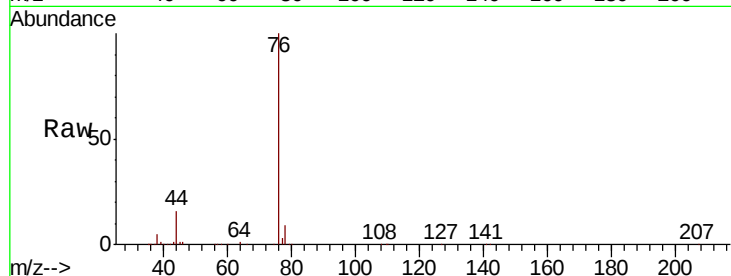




#17
Carbon Disulfide
Concen: 44.883 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

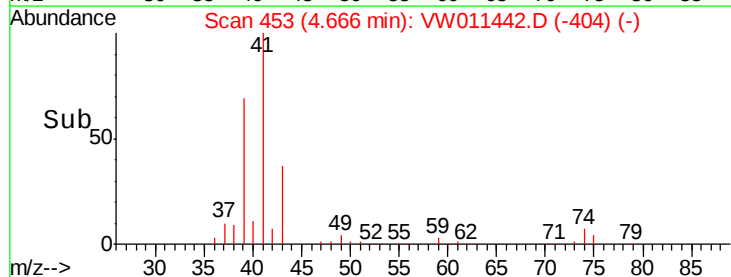
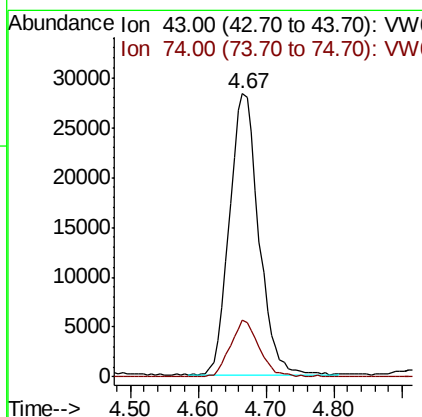
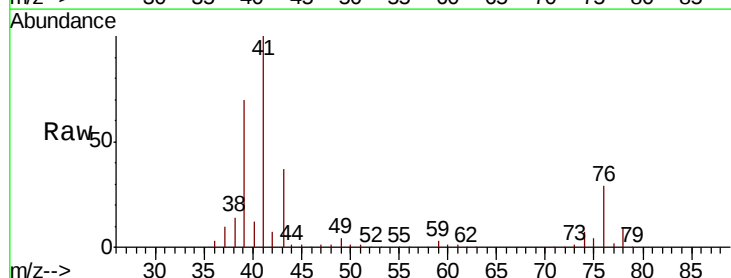
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

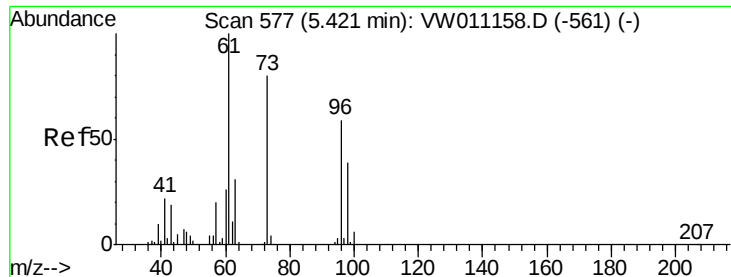
Tot Ion: 76 Resp: 333619
Ion Ratio Lower Upper
76 100
78 8.6 7.1 10.7



#18
Methyl Acetate
Concen: 44.536 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Tgt Ion: 43 Resp: 84803
Ion Ratio Lower Upper
43 100
74 19.7 15.7 23.5

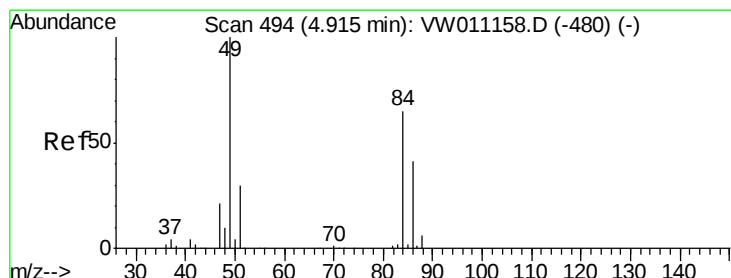
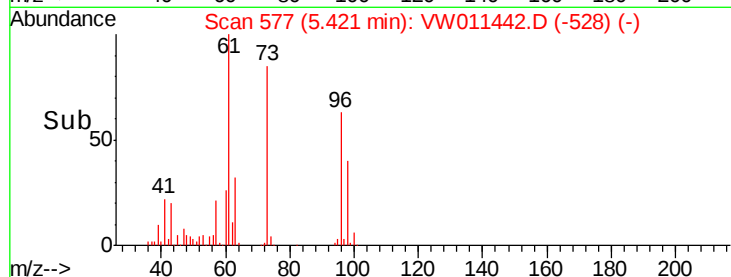
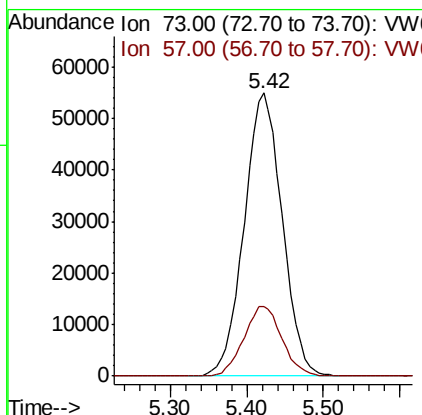
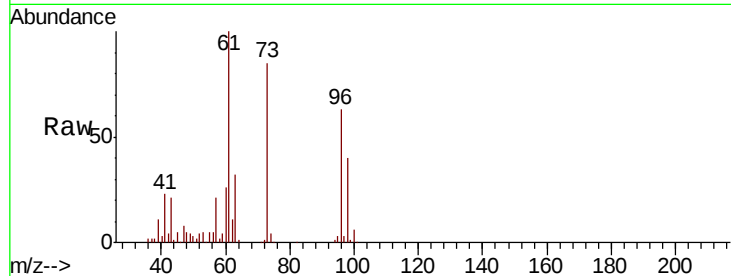




#19
Methyl tert-butyl Ether
Concen: 51.000 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

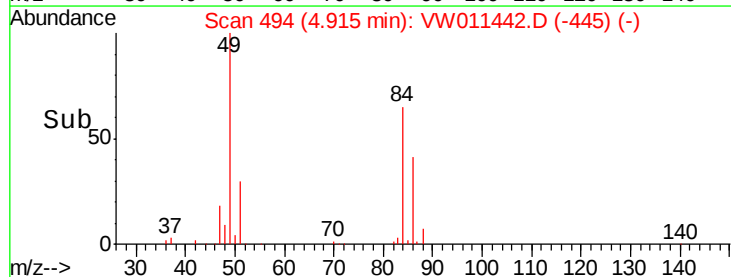
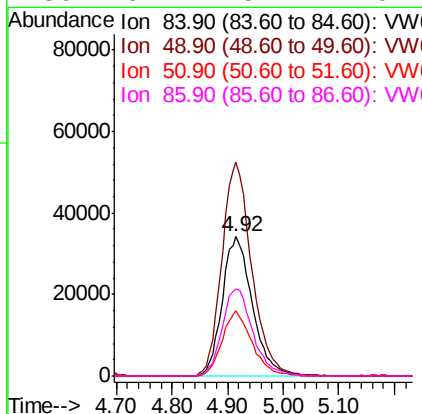
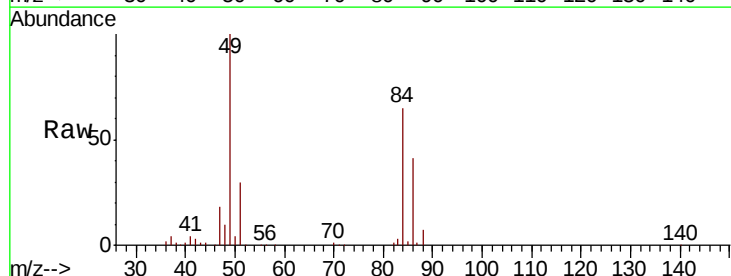
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

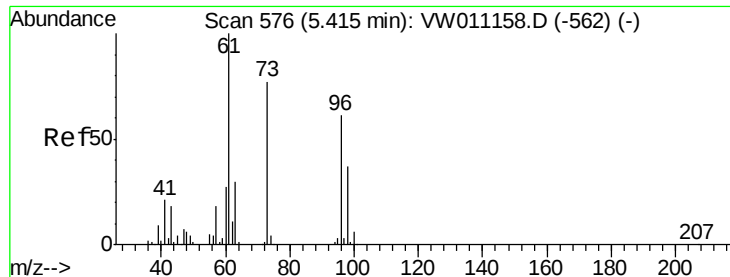
Tot Ion: 73 Resp: 189729
Ion Ratio Lower Upper
73 100
57 24.6 19.7 29.5



#20
Methylene Chloride
Concen: 48.520 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Tgt Ion: 84 Resp: 127721
Ion Ratio Lower Upper
84 100
49 153.5 123.8 185.6
51 46.6 37.4 56.2
86 62.7 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 48.083 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

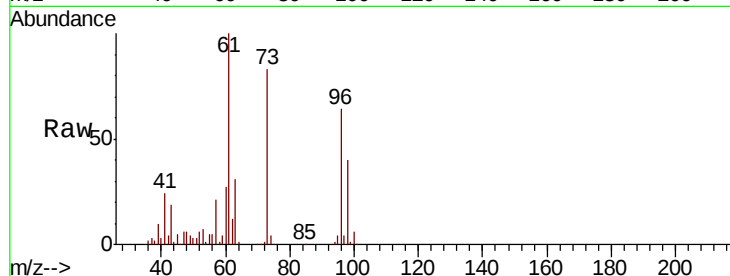
Tot Ion: 96 Resp: 122498

Ion Ratio Lower Upper

96 100

61 157.2 132.2 198.2

98 62.1 49.4 74.0

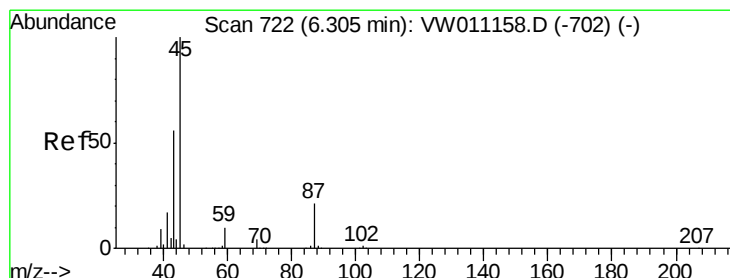
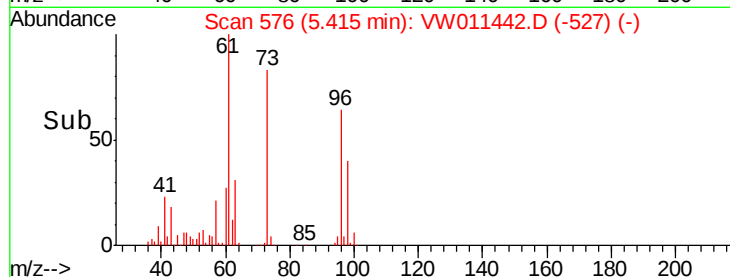
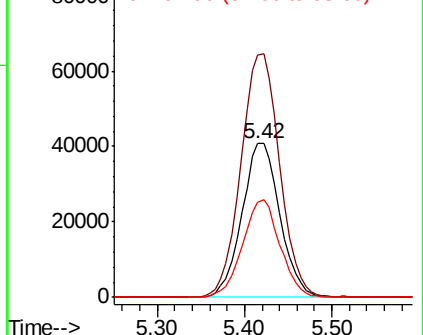


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 49.420 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Tgt Ion: 45 Resp: 475240

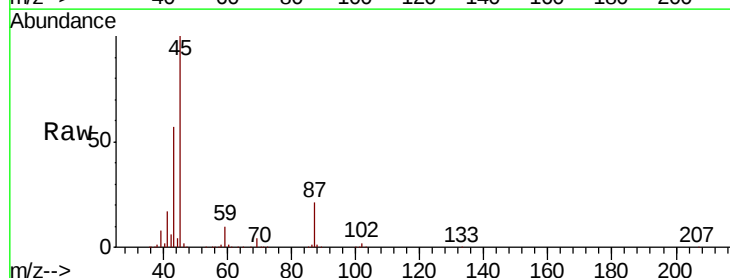
Ion Ratio Lower Upper

45 100

43 56.4 44.6 66.8

87 20.4 17.3 25.9

59 10.4 8.2 12.2



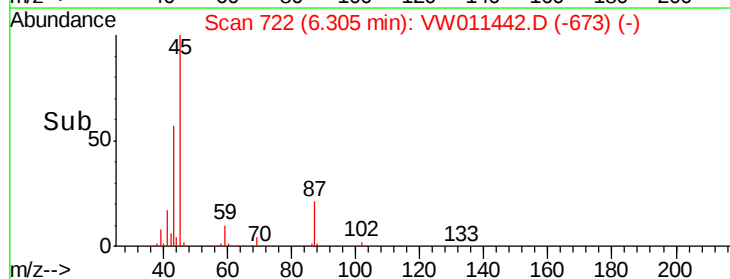
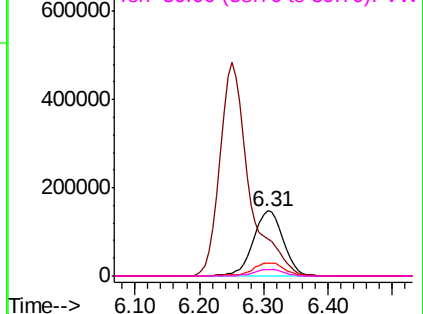
Abundance

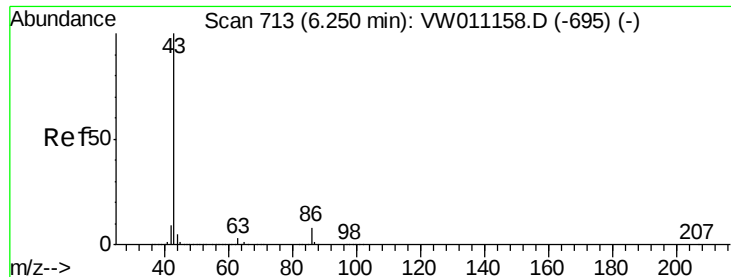
Ion 45.00 (44.70 to 45.70): VW

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: 260.258 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Instrument :

MSVOA_W

ClientSampled :

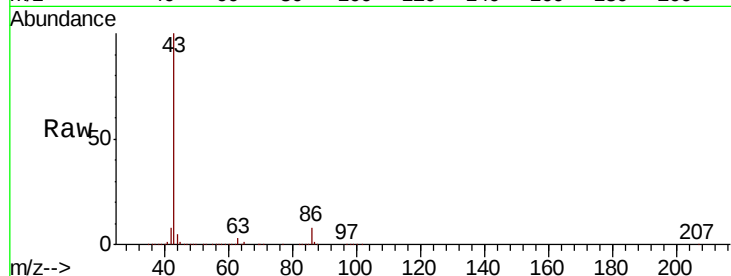
VSTDCCC050

Tot Ion: 43 Resp: 1548852

Ion Ratio Lower Upper

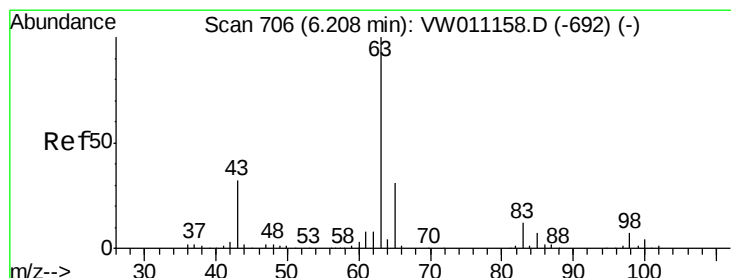
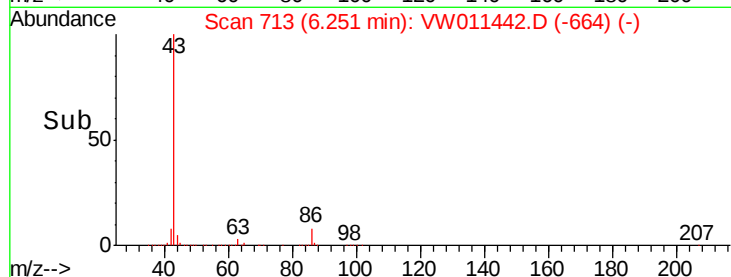
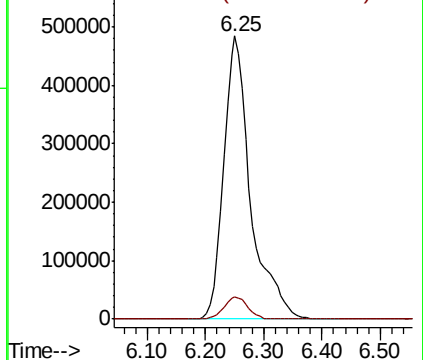
43 100

86 8.1 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 49.819 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

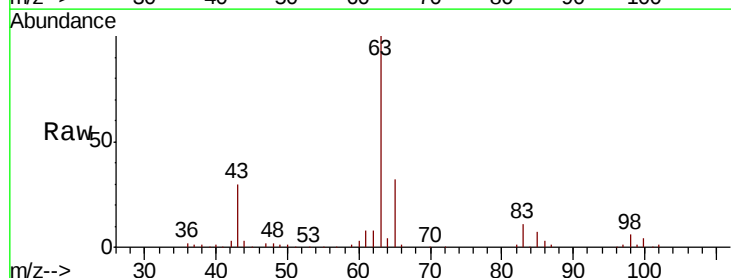
Tgt Ion: 63 Resp: 251566

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.9

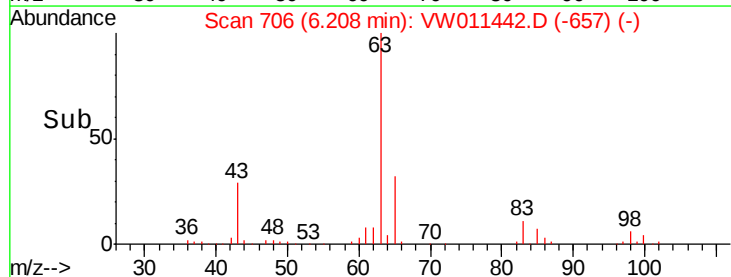
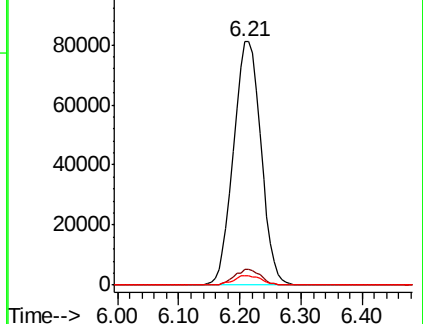
100 4.0 2.1 6.2

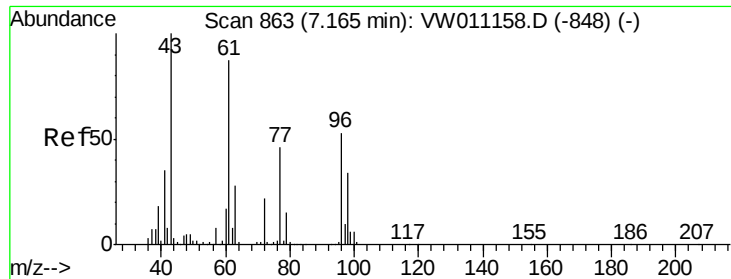


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 259.947 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

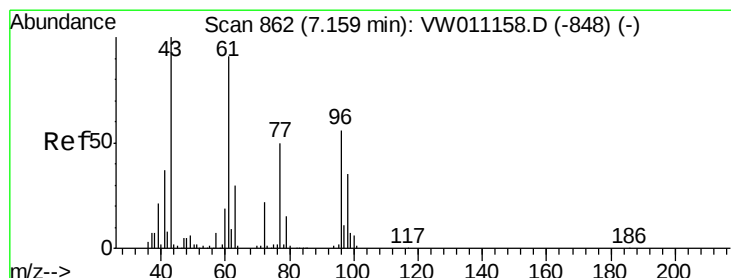
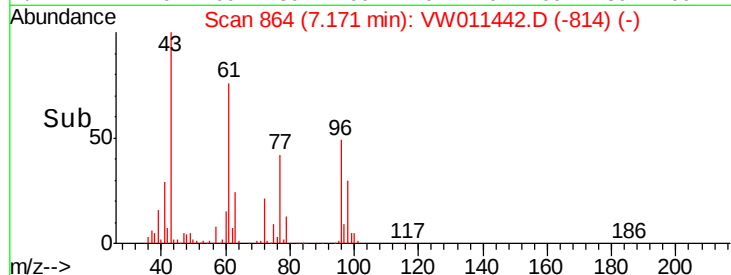
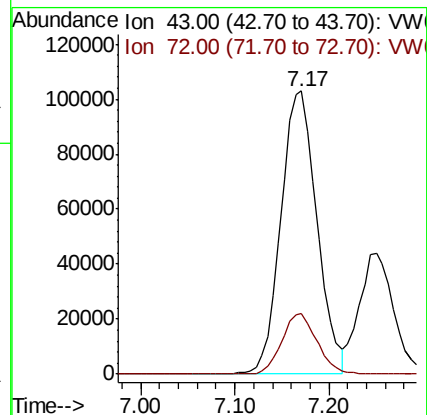
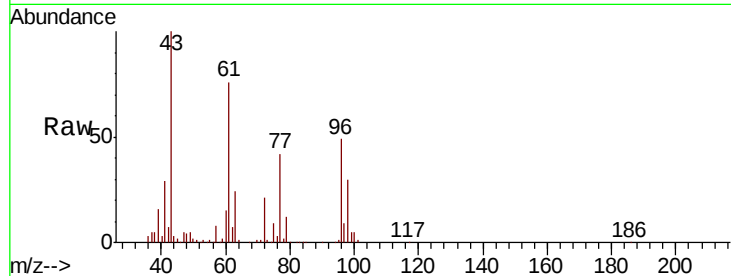
VSTDCCC050

Tot Ion: 43 Resp: 272280

Ion Ratio Lower Upper

43 100

72 21.4 17.6 26.4



#26

2,2-Dichloropropane

Concen: 52.088 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW011442.D

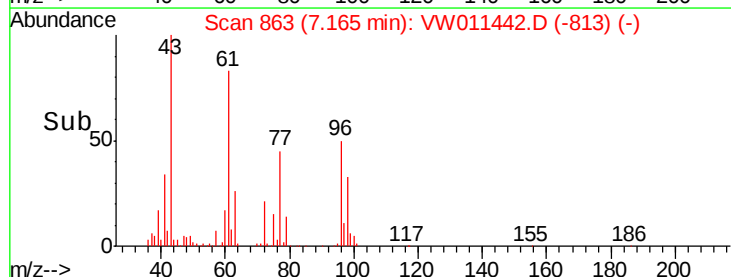
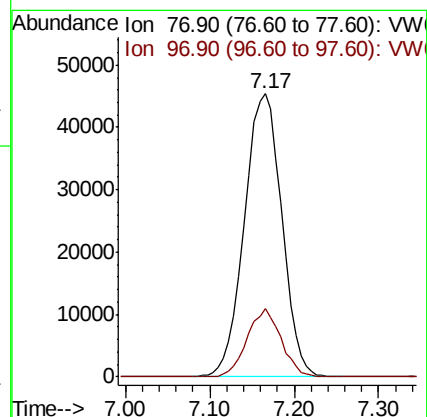
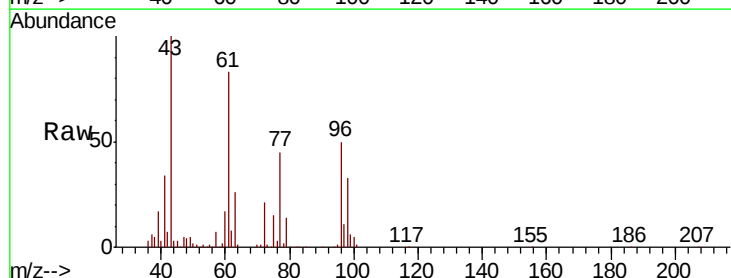
Acq: 23 Jul 2019 19:34

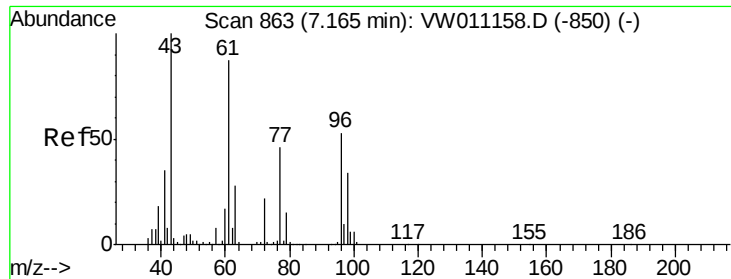
Tgt Ion: 77 Resp: 136723

Ion Ratio Lower Upper

77 100

97 21.8 11.2 33.5



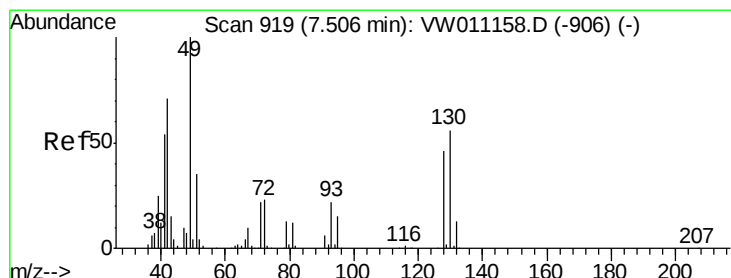
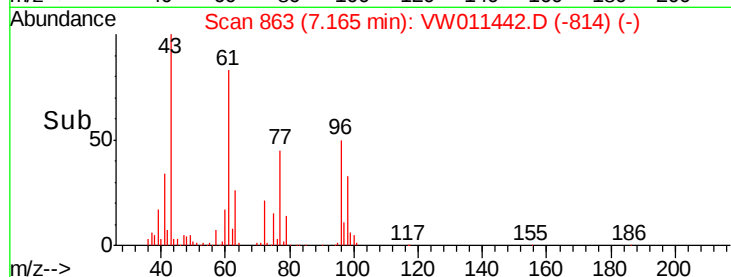
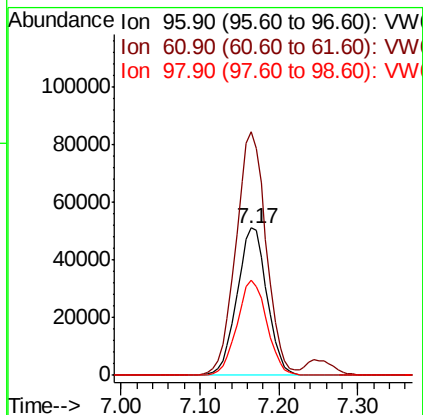
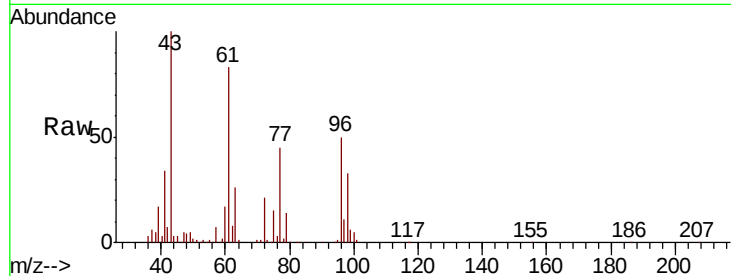


#27

cis-1,2-Dichloroethene
Concen: 49.077 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

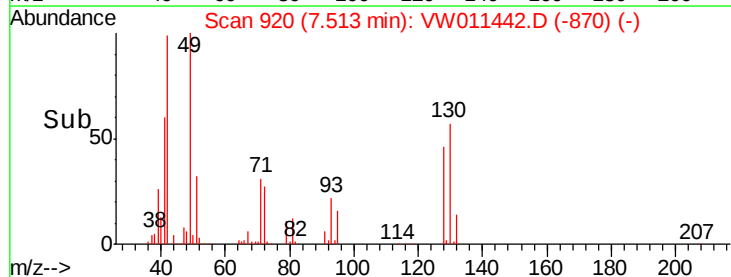
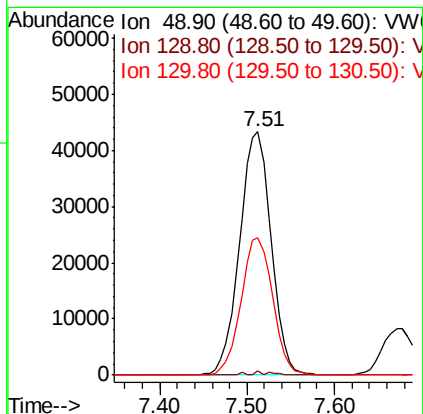
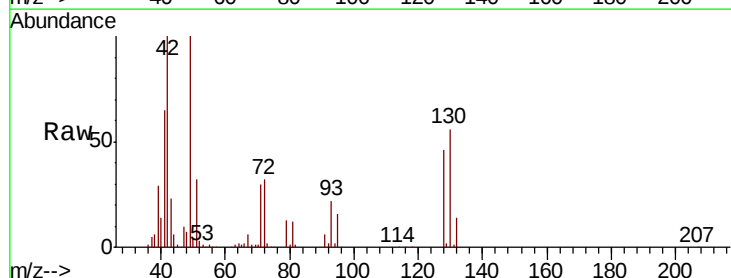
Tot Ion: 96 Resp: 134874
Ion Ratio Lower Upper
96 100
61 166.7 0.0 325.6
98 64.1 0.0 128.2

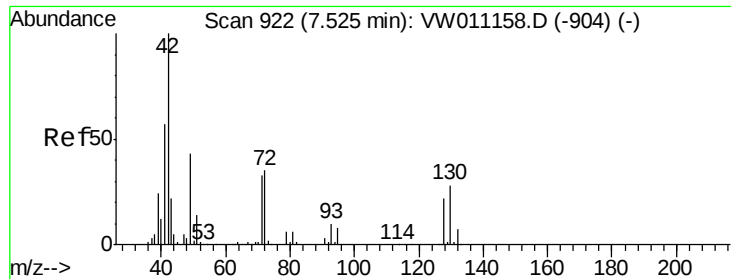


#28

Bromochloromethane
Concen: 47.346 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Tgt Ion: 49 Resp: 108710
Ion Ratio Lower Upper
49 100
129 0.2 0.0 1.4
130 56.7 45.8 68.8

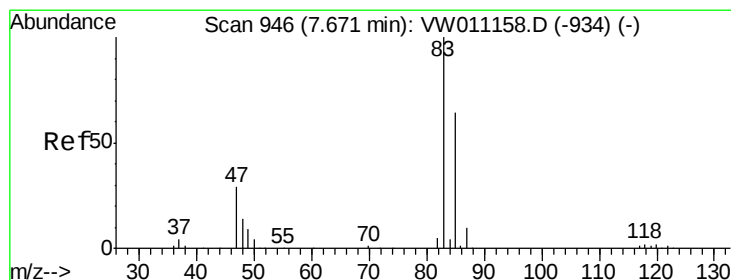
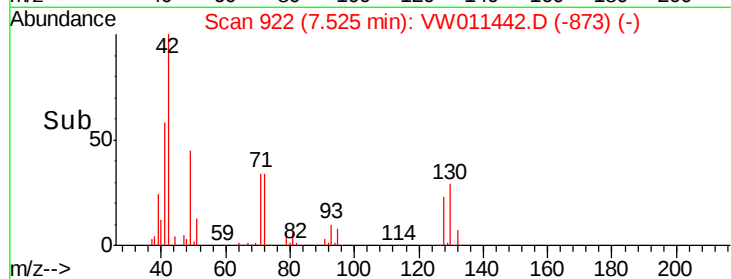
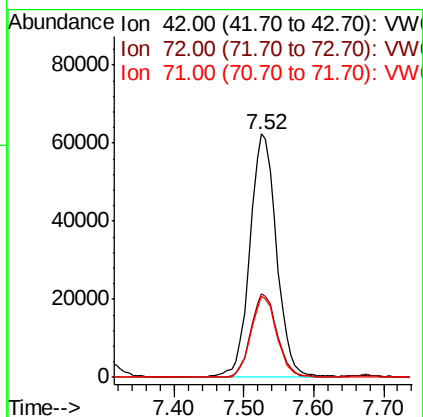
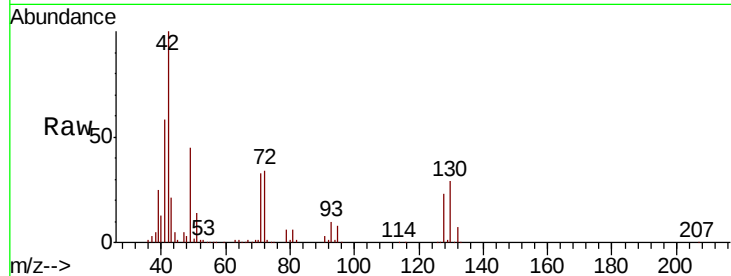




#29
Tetrahydrofuran
Concen: 239.503 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

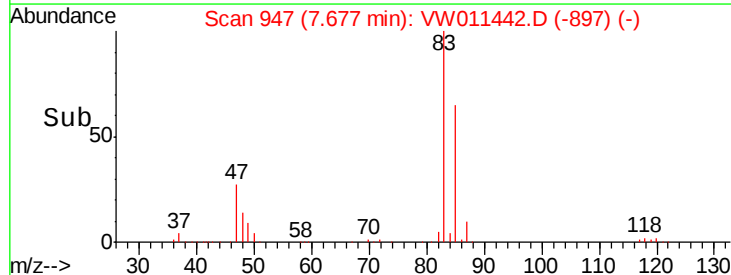
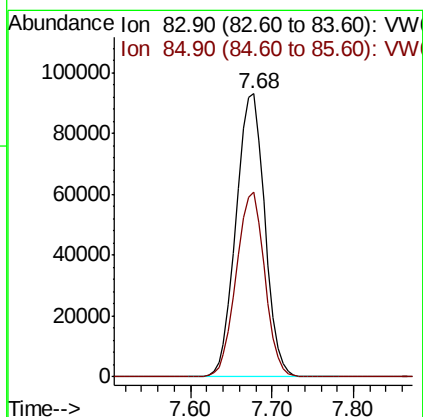
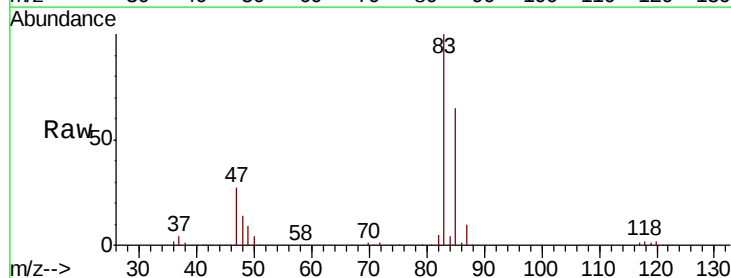
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

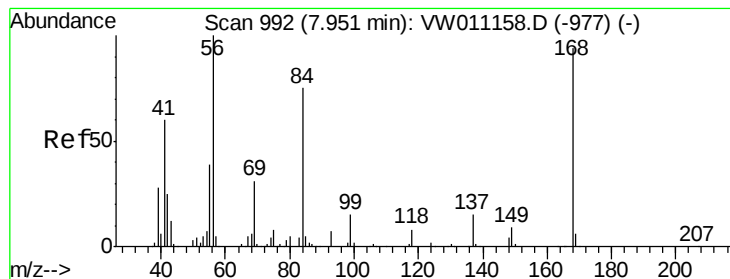
Tot Ion: 42 Resp: 164495
Ion Ratio Lower Upper
42 100
72 34.0 27.4 41.2
71 32.4 25.9 38.9



#30
Chloroform
Concen: 48.575 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Tgt Ion: 83 Resp: 227158
Ion Ratio Lower Upper
83 100
85 65.2 51.4 77.2





#31

Cyclohexane

Concen: 43.874 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

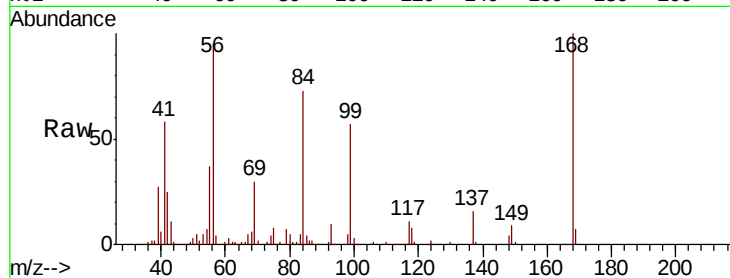
Tot Ion: 56 Resp: 235693

Ion Ratio Lower Upper

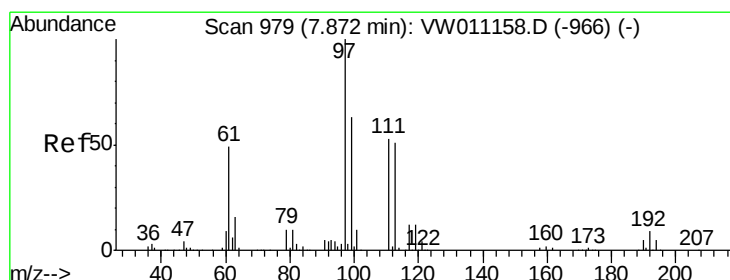
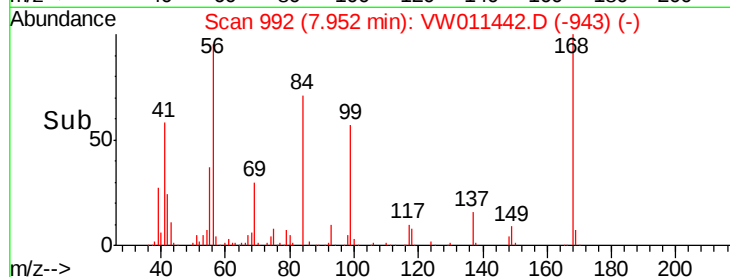
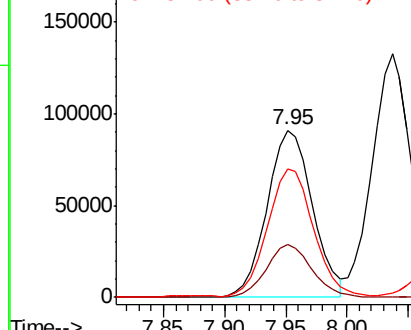
56 100

69 31.3 24.6 36.8

84 75.8 60.1 90.1



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



#32

1,1,1-Trichloroethane

Concen: 48.552 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

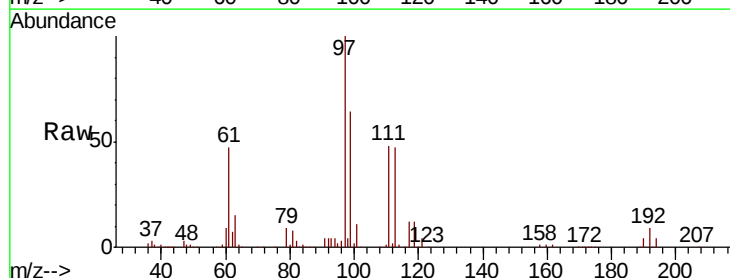
Tgt Ion: 97 Resp: 172717

Ion Ratio Lower Upper

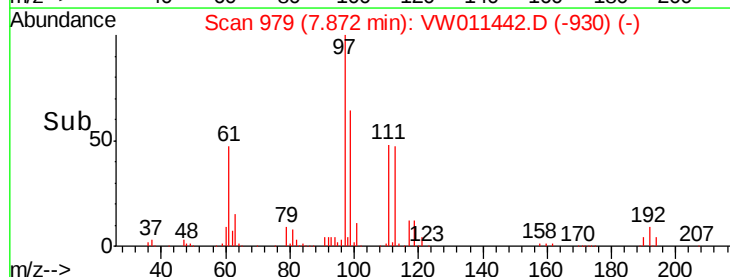
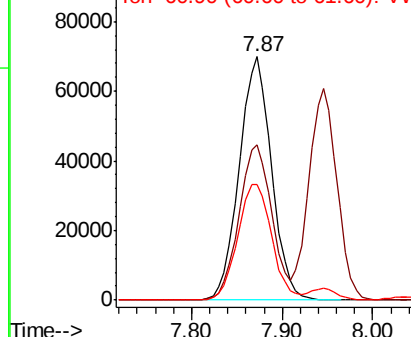
97 100

99 64.7 51.0 76.4

61 50.0 40.4 60.6



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

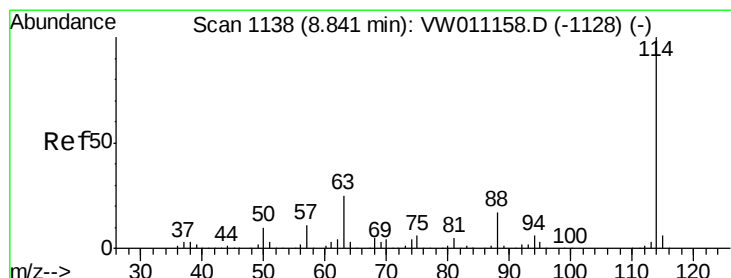
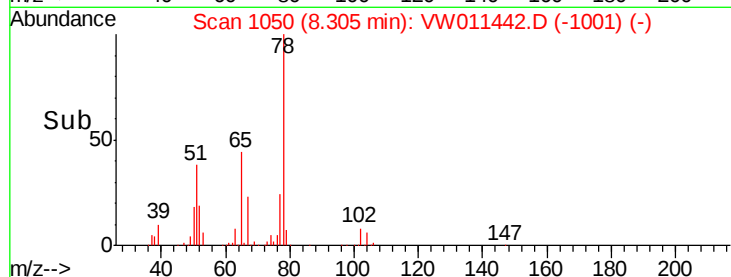
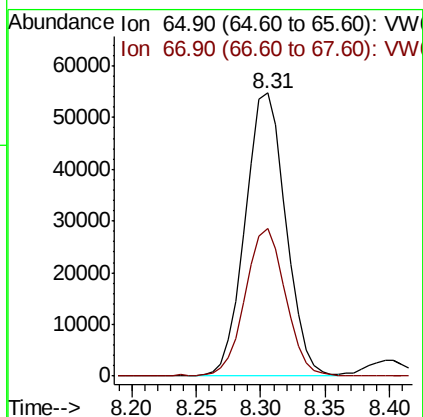
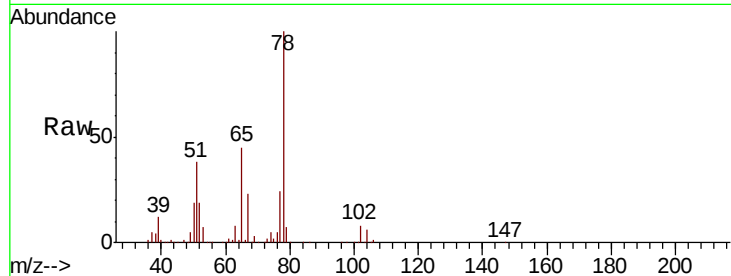




#33
 1,2-Dichloroethane-d4
 Concen: 43.137 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011442.D
 Acq: 23 Jul 2019 19:34

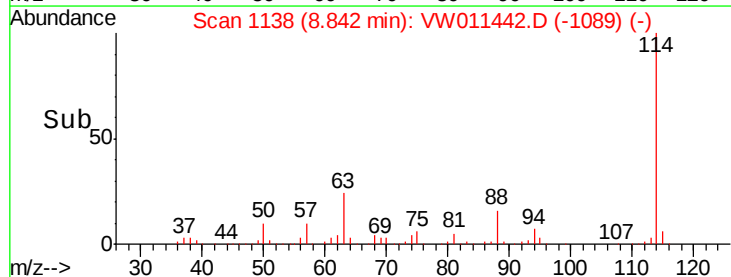
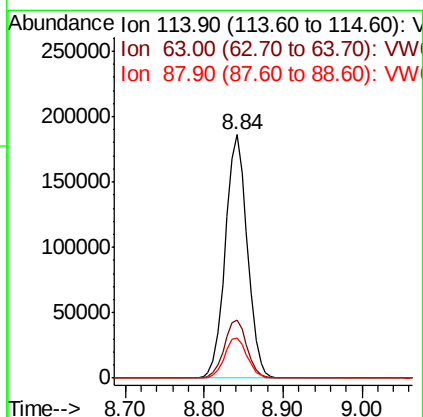
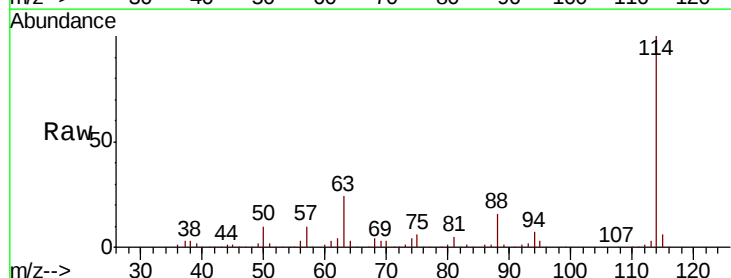
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

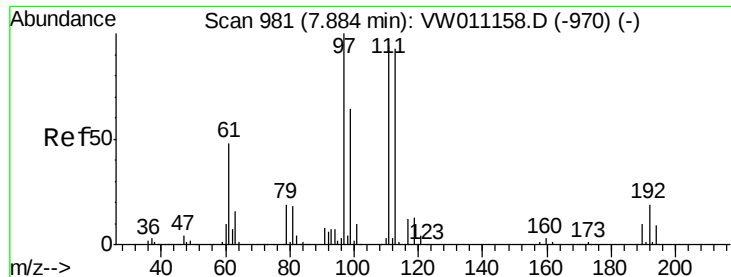
Tot Ion: 65 Resp: 119628
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011442.D
 Acq: 23 Jul 2019 19:34

Tgt Ion: 114 Resp: 359761
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 50.8
 88 16.4 0.0 34.2

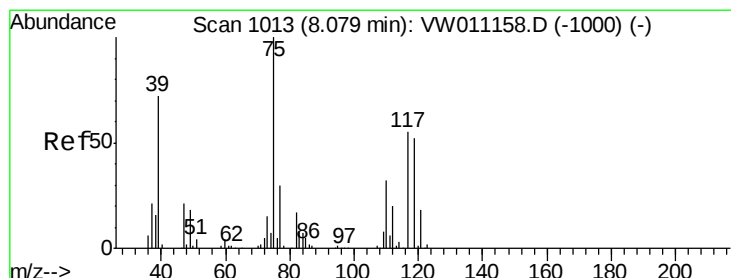
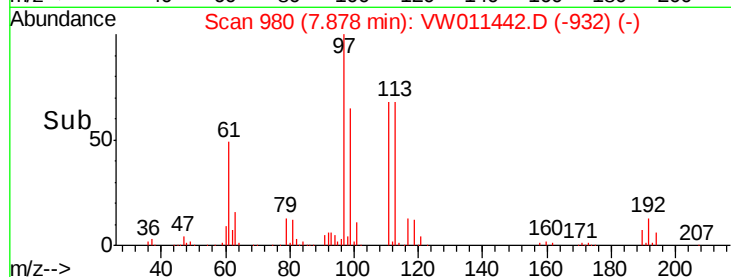
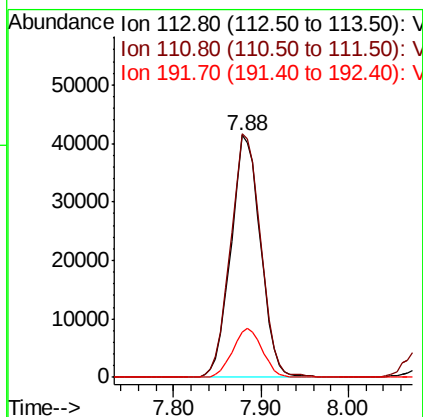
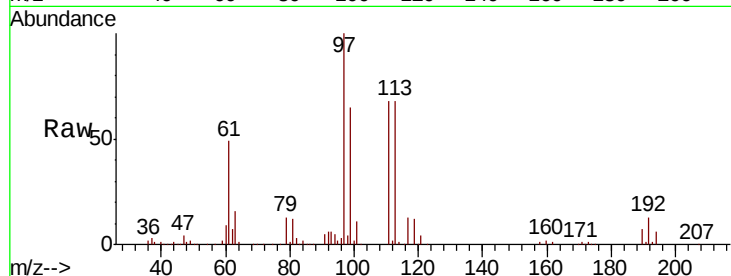




#35
 Dibromofluoromethane
 Concen: 45.370 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011442.D
 Acq: 23 Jul 2019 19:34

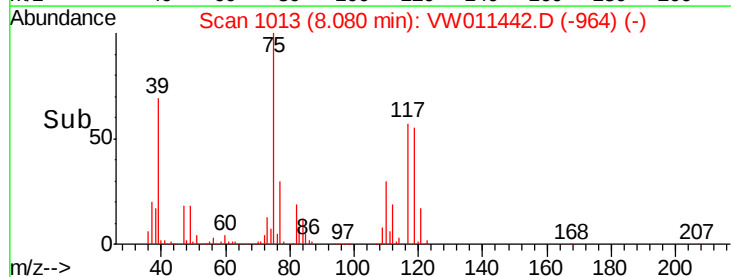
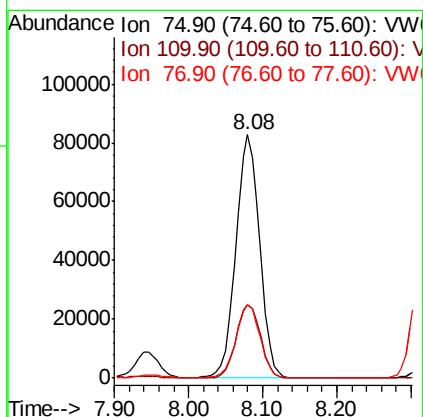
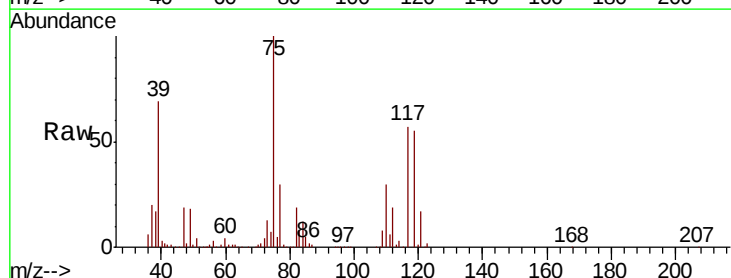
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

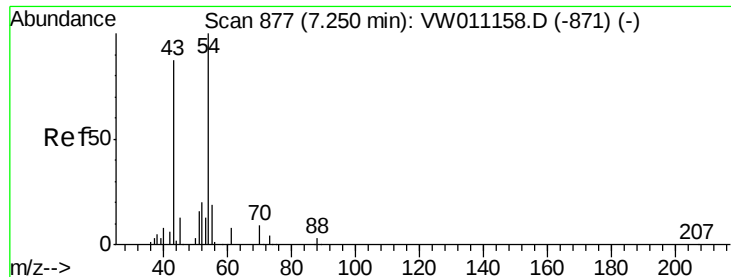
Tot Ion:113 Resp: 97288
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.4 123.6
 192 20.4 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 48.147 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW011442.D
 Acq: 23 Jul 2019 19:34

Tgt Ion: 75 Resp: 184455
 Ion Ratio Lower Upper
 75 100
 110 31.2 15.9 47.6
 77 30.9 24.6 36.8

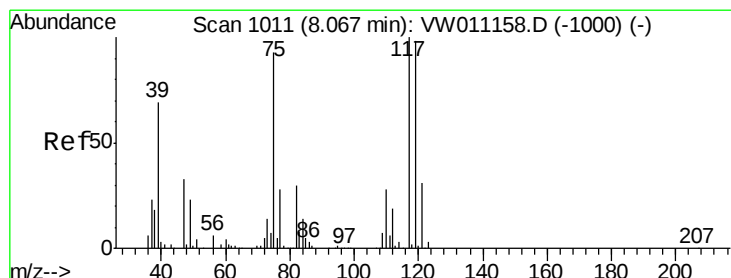
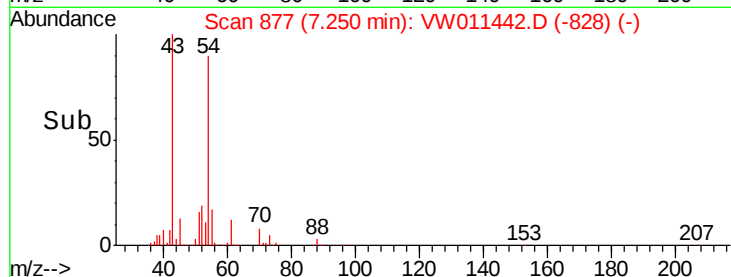
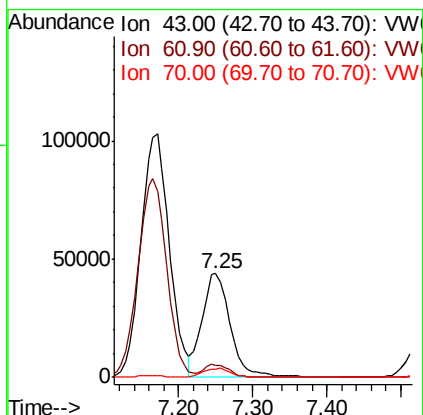
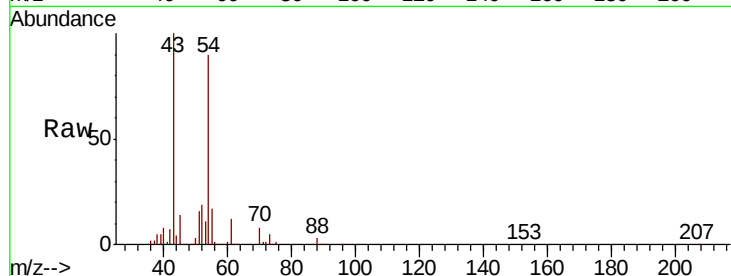




#37
Ethyl Acetate
Concen: 49.302 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

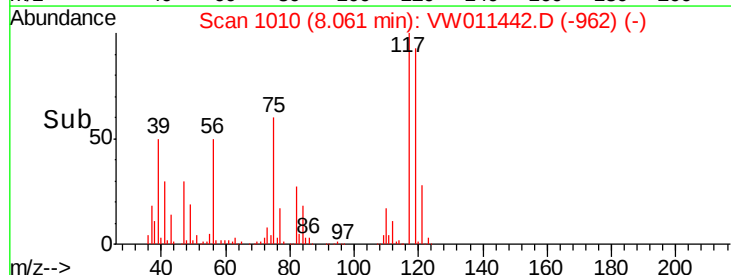
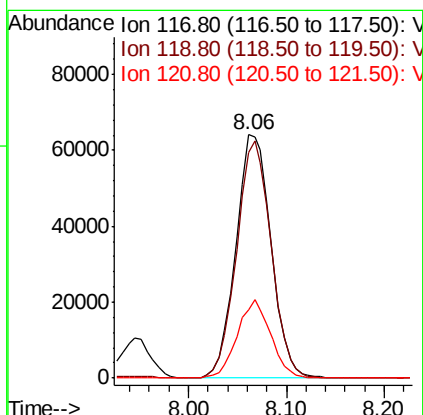
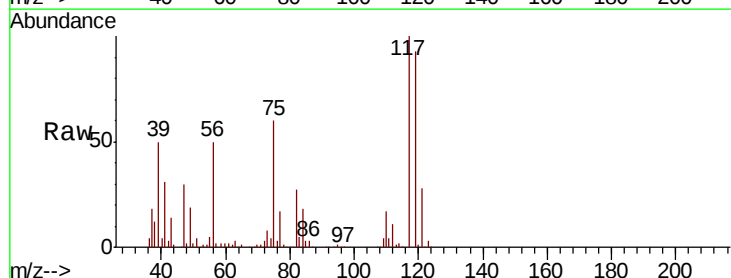
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

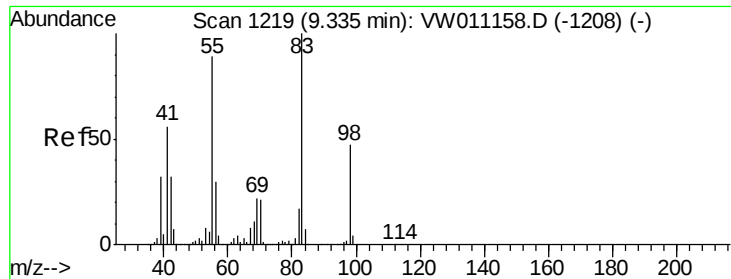
Tot Ion: 43 Resp: 113485
Ion Ratio Lower Upper
43 100
61 11.6 9.5 14.3
70 8.6 7.1 10.7



#38
Carbon Tetrachloride
Concen: 49.293 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Tgt Ion: 117 Resp: 160089
Ion Ratio Lower Upper
117 100
119 92.8 78.1 117.1
121 28.3 25.1 37.7

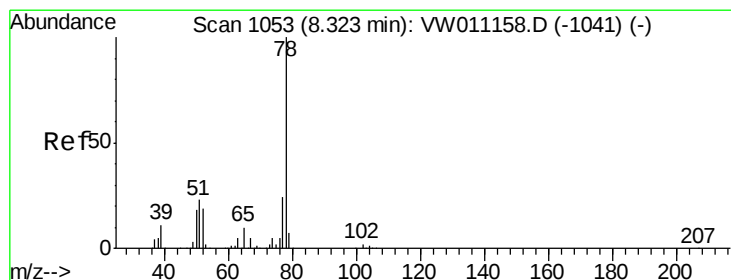
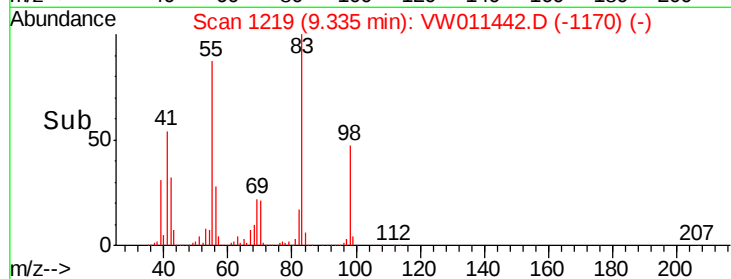
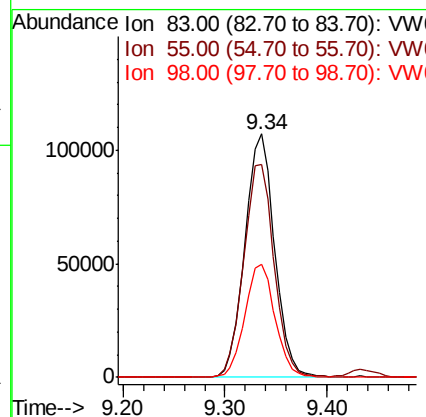
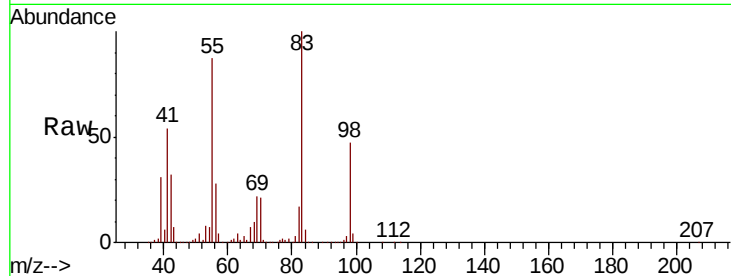




#39
Methvlcvclohexane
Concen: 46.848 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

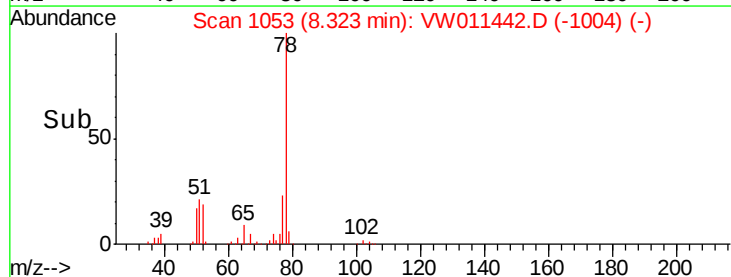
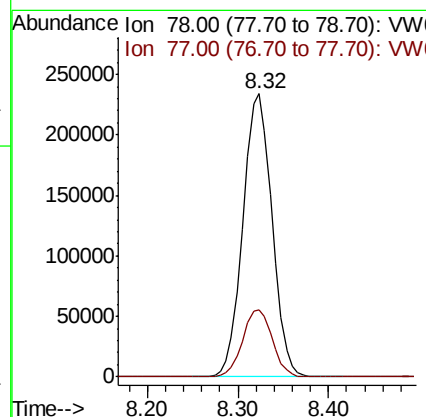
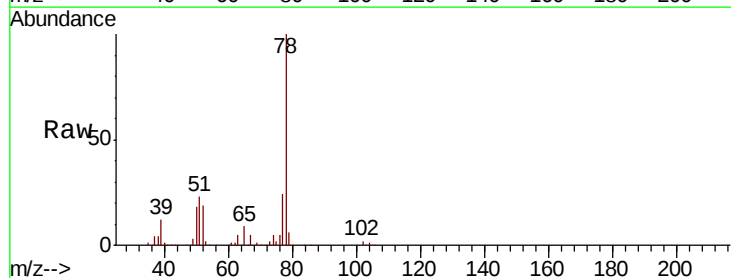
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

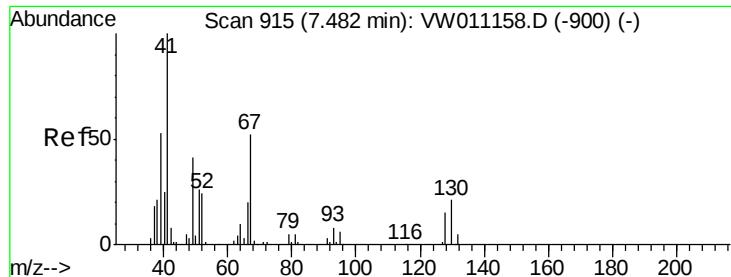
Tot Ion: 83 Resp: 217540
Ion Ratio Lower Upper
83 100
55 87.1 71.2 106.8
98 46.5 37.5 56.3



#40
Benzene
Concen: 49.134 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Tgt Ion: 78 Resp: 520223
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.6

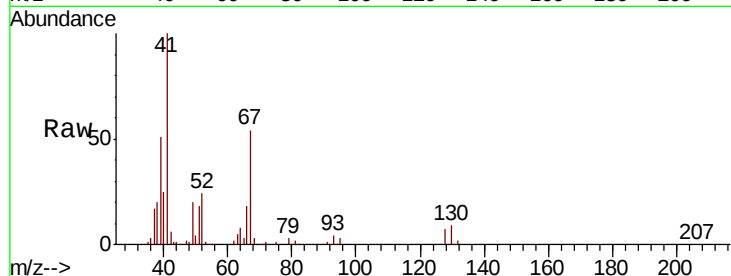




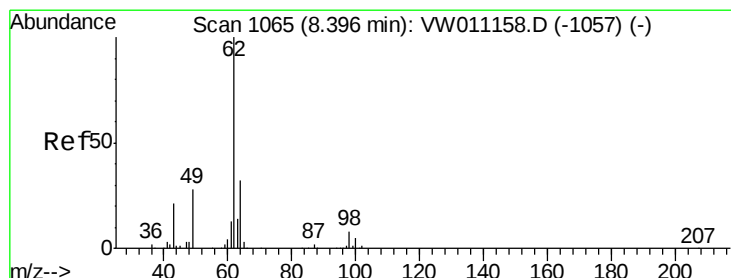
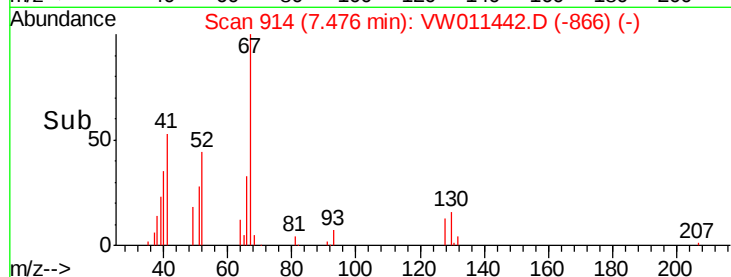
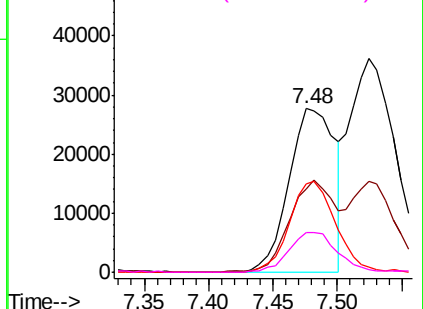
#41
Methacrylonitrile
Concen: 52.256 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	68795
Ion	Ratio	Lower	Upper
41	100		
39	53.5	48.0	72.0
67	56.0	49.7	74.5
52	26.1	23.4	35.0

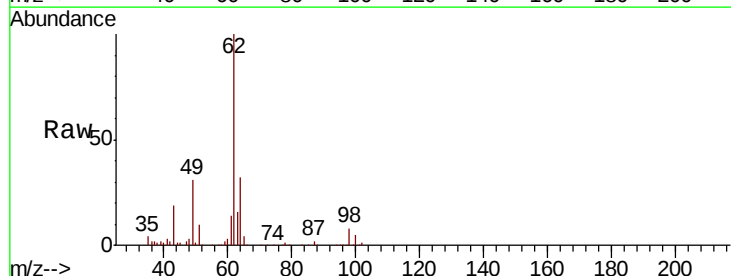


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

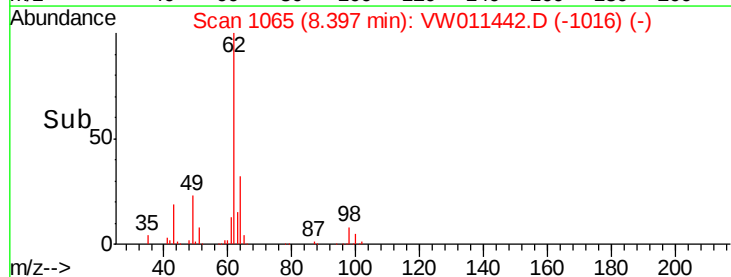
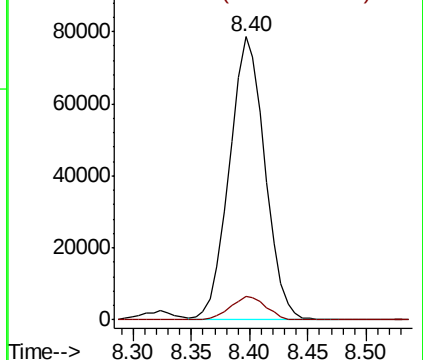


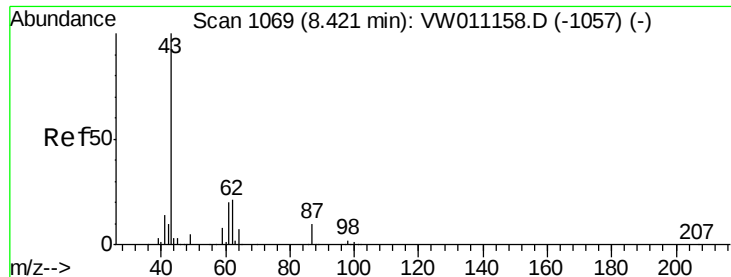
#42
1,2-Dichloroethane
Concen: 48.510 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Tgt Ion:	62	Resp:	166614
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: 48.413 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

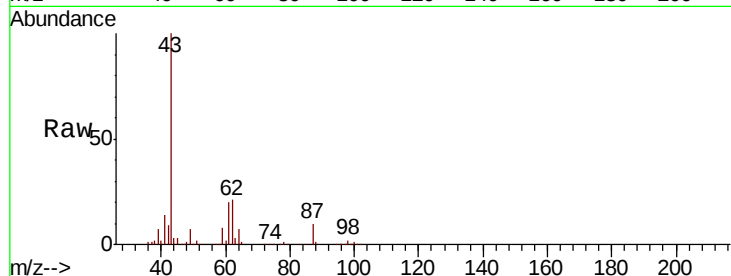
Tot Ion: 43 Resp: 210393

Ion Ratio Lower Upper

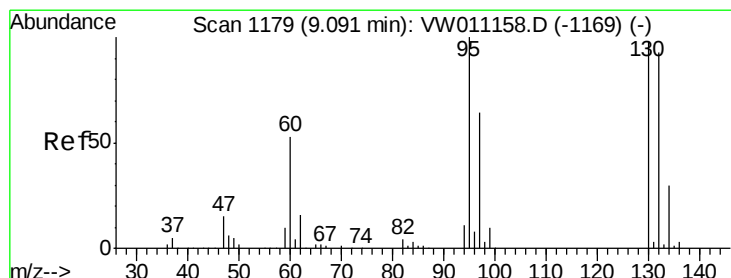
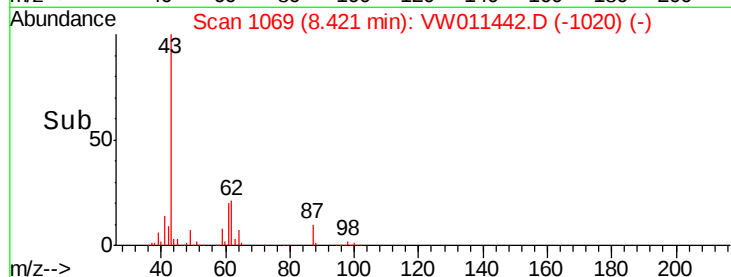
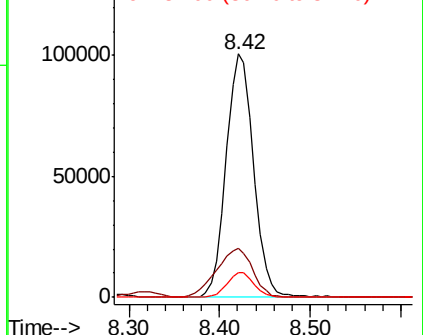
43 100

61 26.8 20.7 31.1

87 10.1 8.1 12.1



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



#44

Trichloroethene

Concen: 48.535 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW011442.D

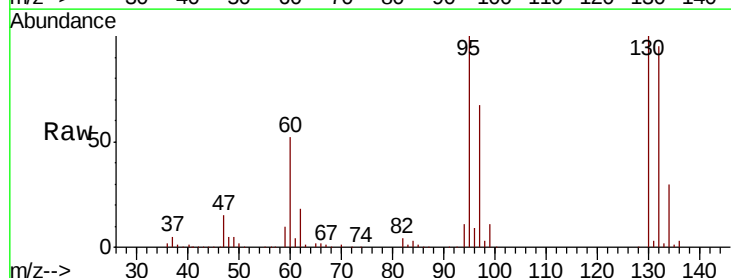
Acq: 23 Jul 2019 19:34

Tgt Ion: 130 Resp: 123659

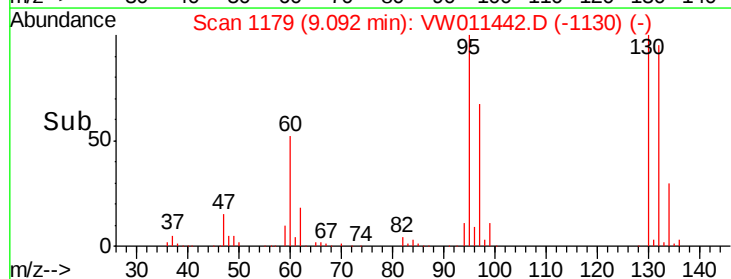
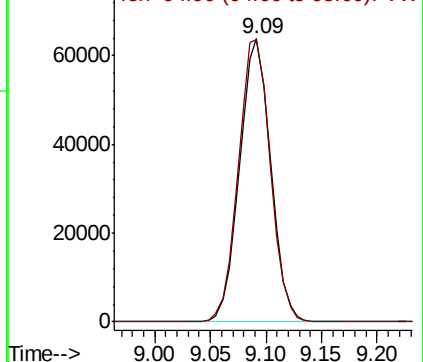
Ion Ratio Lower Upper

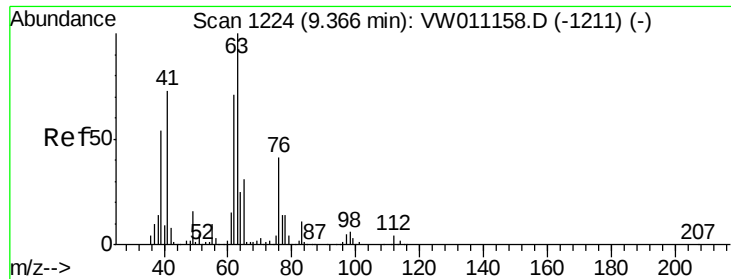
130 100

95 99.6 0.0 203.6



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

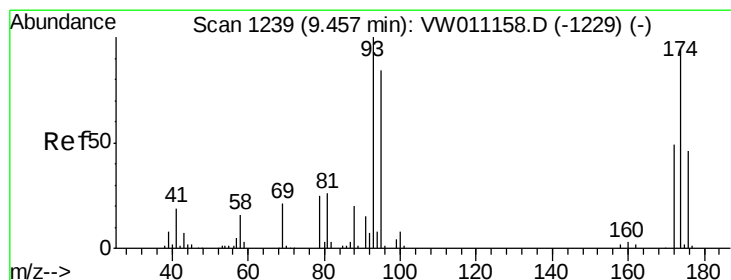
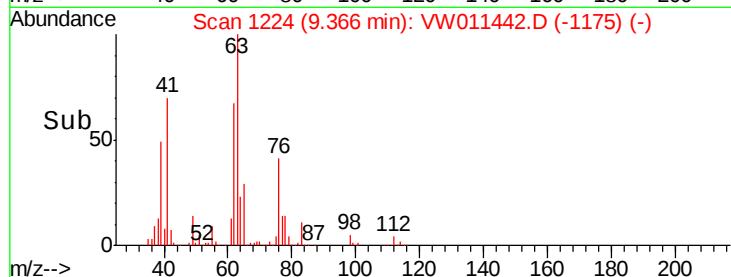
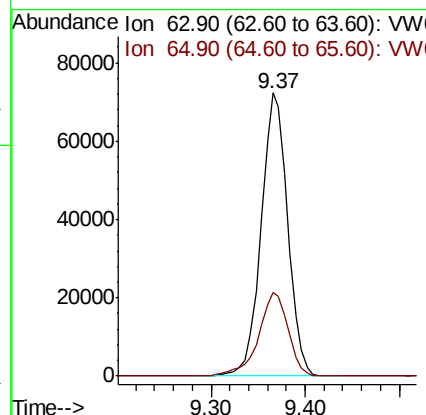
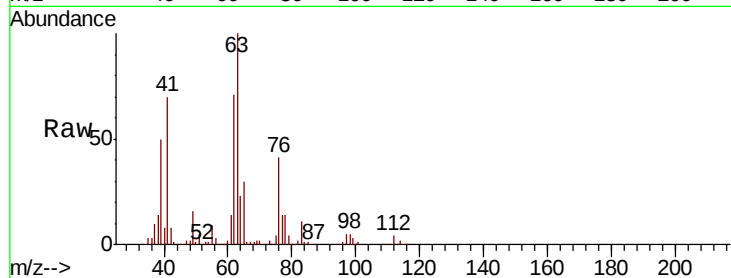




#45
 1,2-Dichloropropane
 Concen: 49.996 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011442.D
 Acq: 23 Jul 2019 19:34

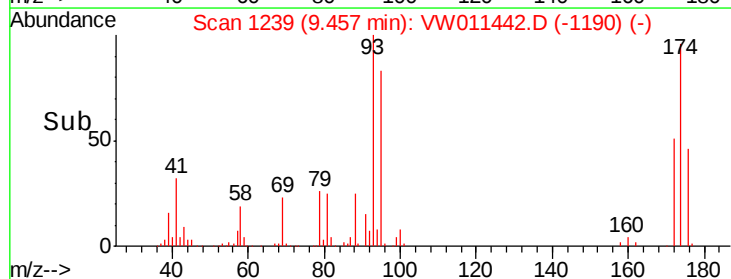
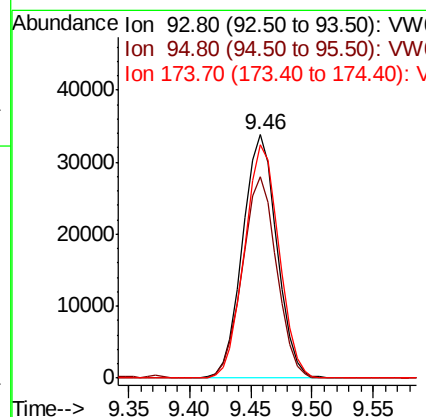
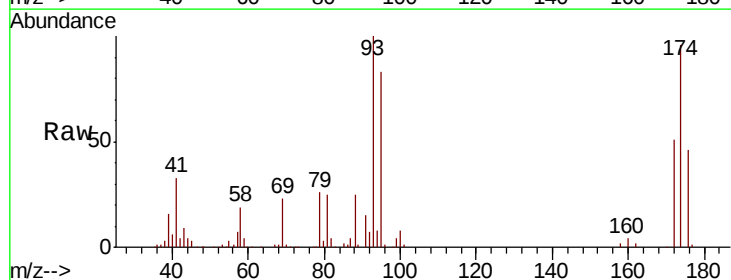
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 143343
 Ion Ratio Lower Upper
 63 100
 65 29.6 24.4 36.6



#46
 Dibromomethane
 Concen: 48.900 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW011442.D
 Acq: 23 Jul 2019 19:34

Tgt Ion: 93 Resp: 65860
 Ion Ratio Lower Upper
 93 100
 95 82.9 67.2 100.8
 174 96.6 76.3 114.5





#47

Bromodichloromethane

Concen: 49.252 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

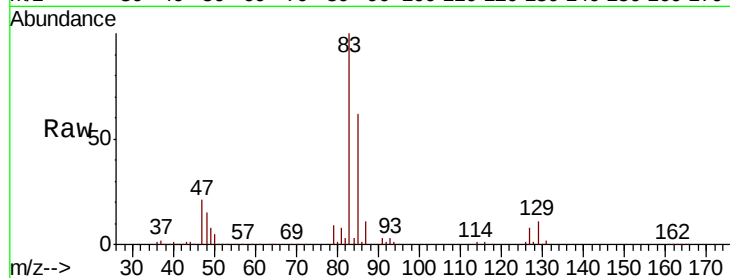
Tot Ion: 83 Resp: 169728

Ion Ratio Lower Upper

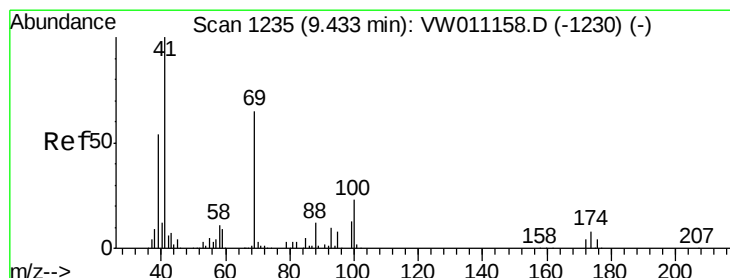
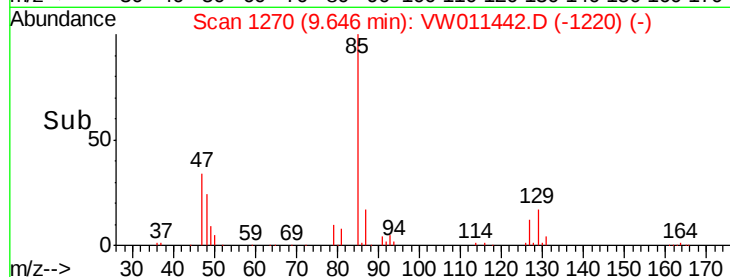
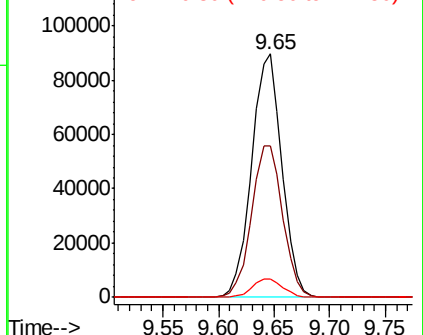
83 100

85 62.2 51.0 76.4

127 7.5 6.0 9.0



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: 49.055 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

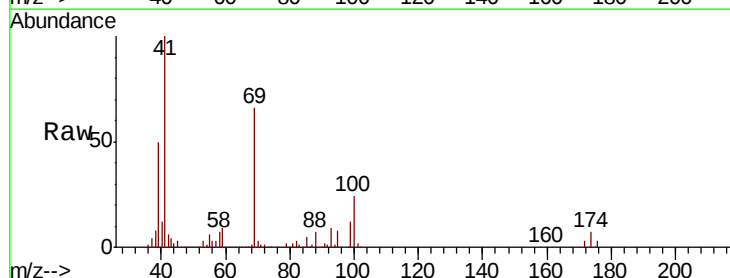
Tgt Ion: 41 Resp: 102562

Ion Ratio Lower Upper

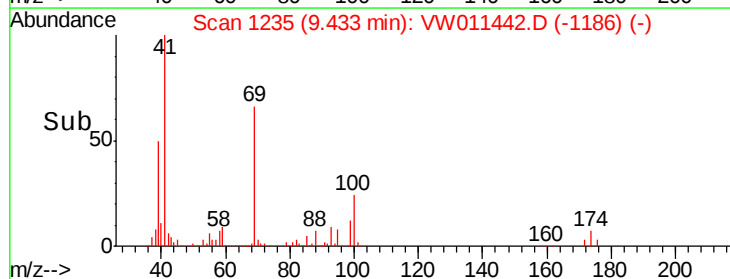
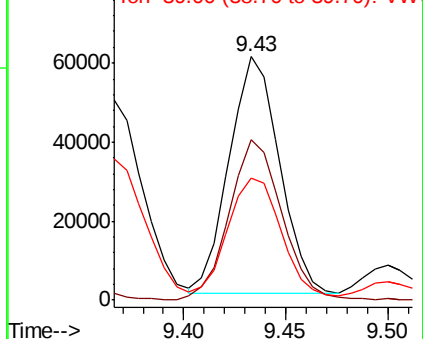
41 100

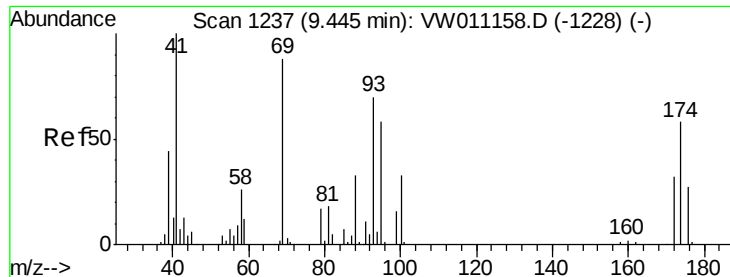
69 70.2 56.0 84.0

39 51.4 43.5 65.3



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: 934.036 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

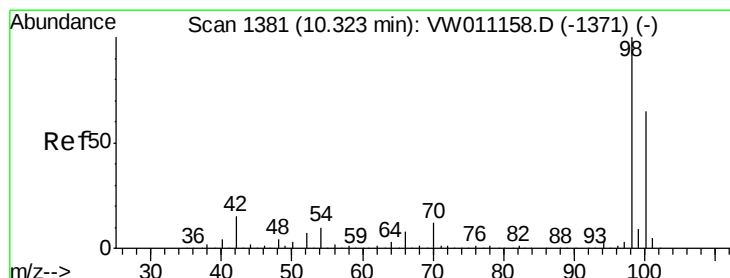
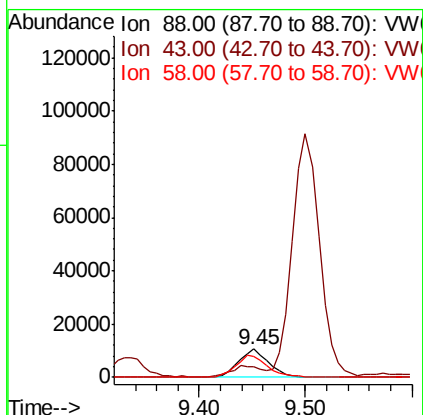
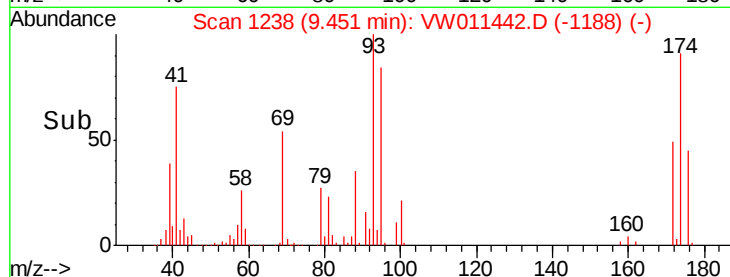
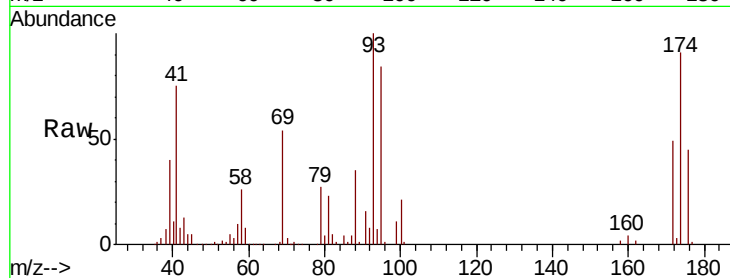
Tot Ion: 88 Resp: 20998

Ion Ratio Lower Upper

88 100

43 39.5 33.4 50.0

58 86.3 64.5 96.7



#50

Toluene-d8

Concen: 44.250 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011442.D

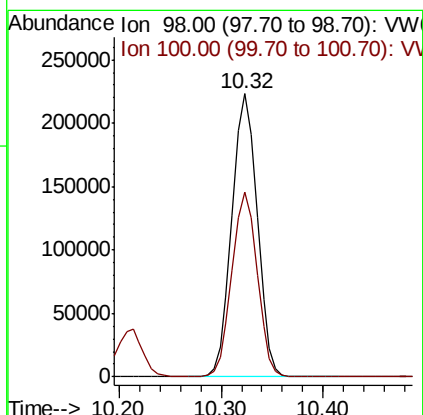
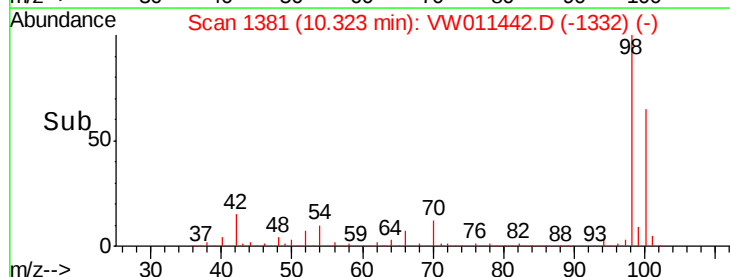
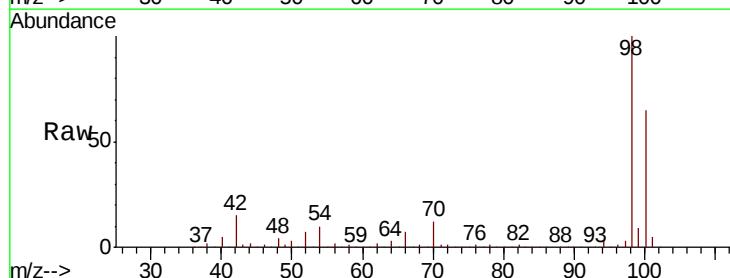
Acq: 23 Jul 2019 19:34

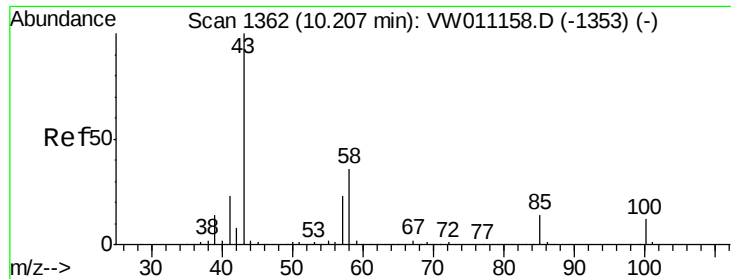
Tgt Ion: 98 Resp: 383548

Ion Ratio Lower Upper

98 100

100 65.3 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 241.580 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

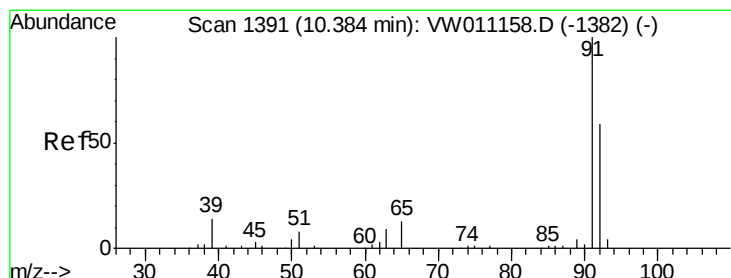
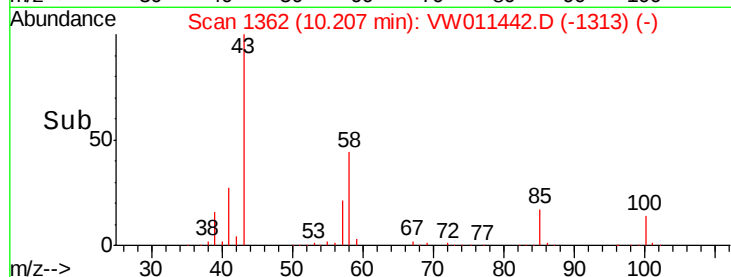
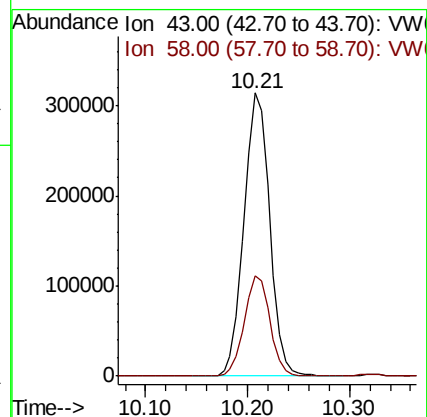
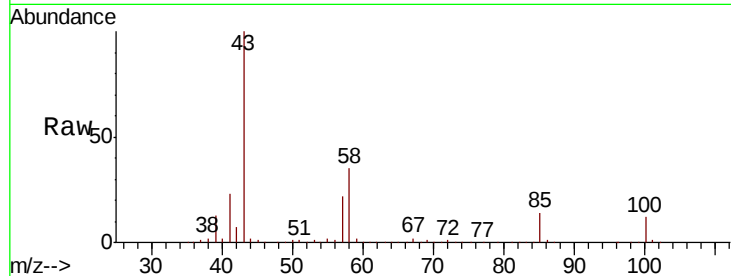
VSTDCCC050

Tot Ion: 43 Resp: 548424

Ion Ratio Lower Upper

43 100

58 35.4 28.2 42.2



#52

Toluene

Concen: 49.261 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011442.D

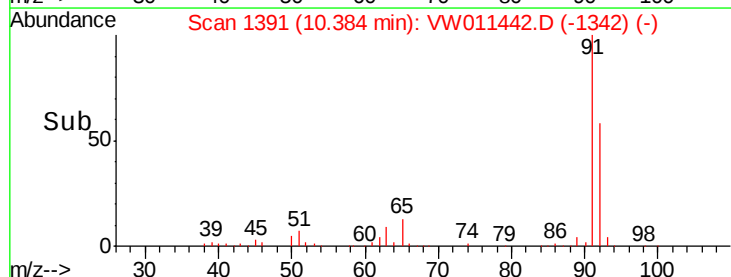
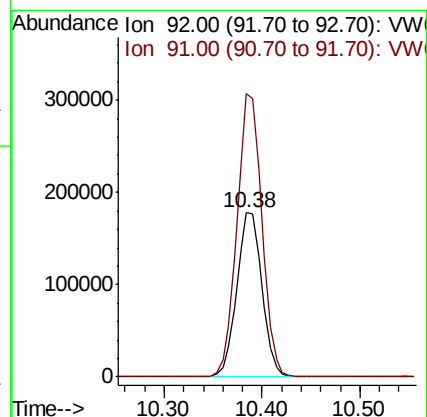
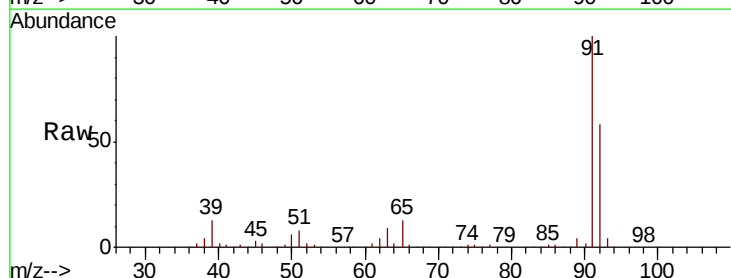
Acq: 23 Jul 2019 19:34

Tgt Ion: 92 Resp: 316389

Ion Ratio Lower Upper

92 100

91 171.5 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 49.017 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

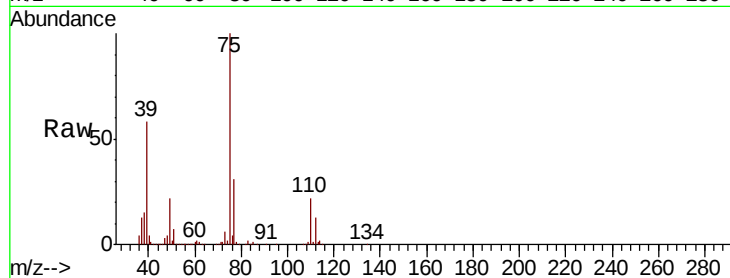
VSTDCCC050

Tot Ion: 75 Resp: 179801

Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

120000

100000

80000

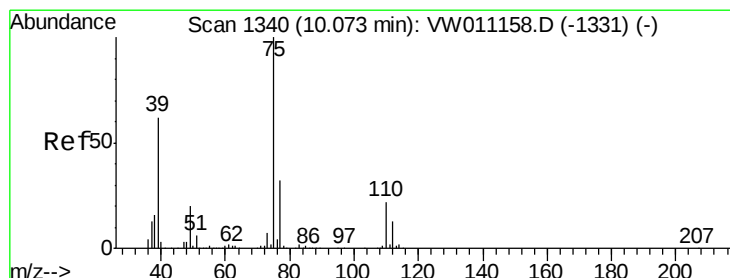
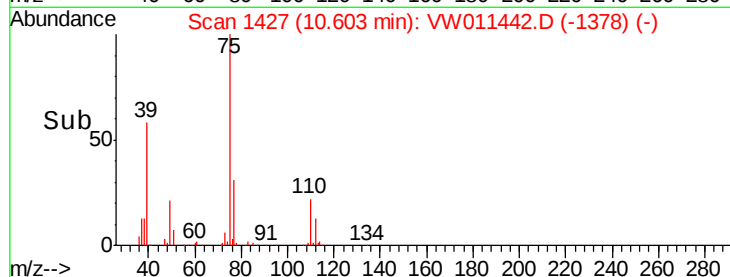
60000

40000

20000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 48.678 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

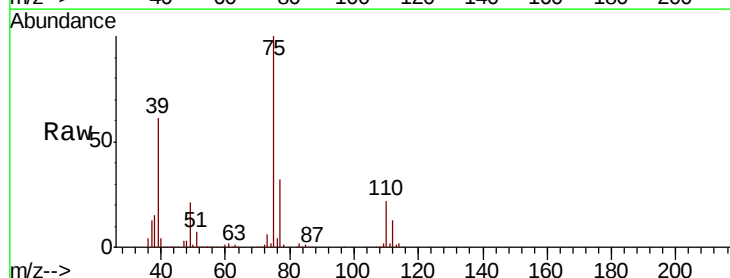
Tgt Ion: 75 Resp: 210171

Ion Ratio Lower Upper

75 100

77 31.8 25.7 38.5

39 60.5 49.8 74.8



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

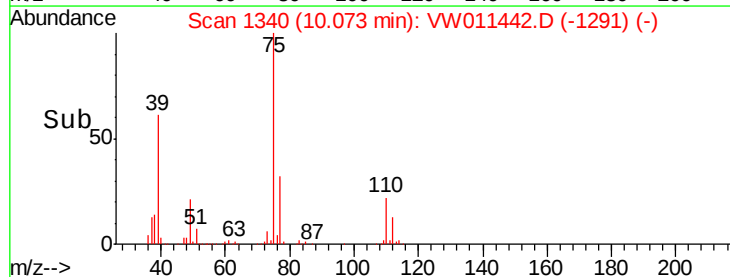
150000

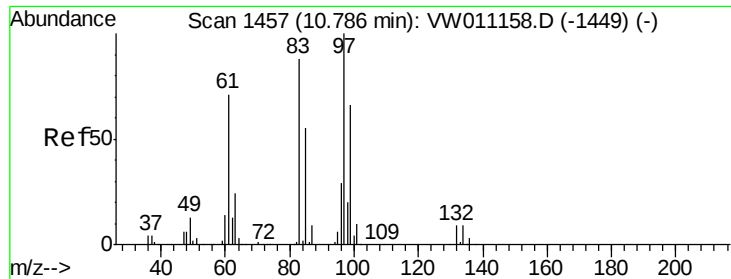
100000

50000

0

Time--> 10.00 10.10



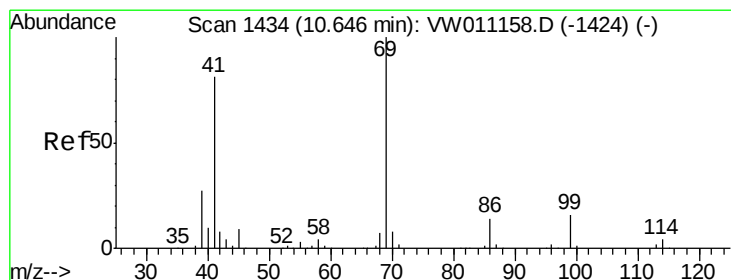
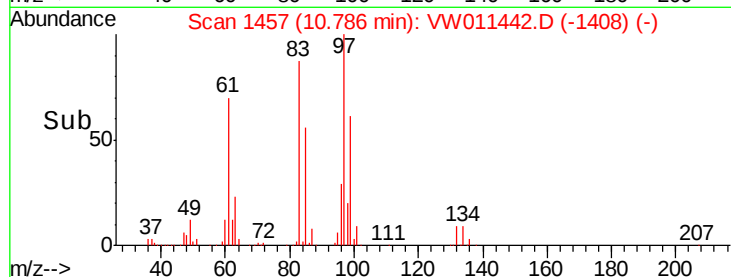
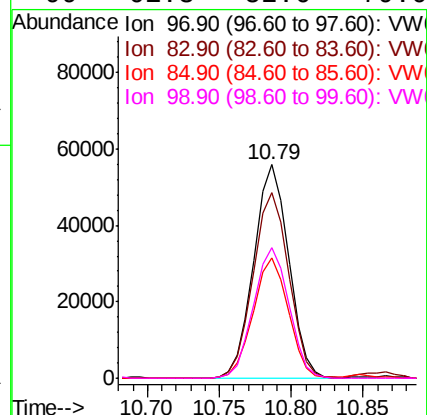
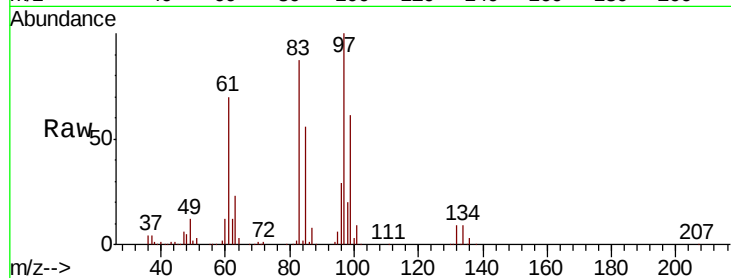


#55
 1,1,2-Trichloroethane
 Concen: 49.114 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011442.D
 Acq: 23 Jul 2019 19:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 93842

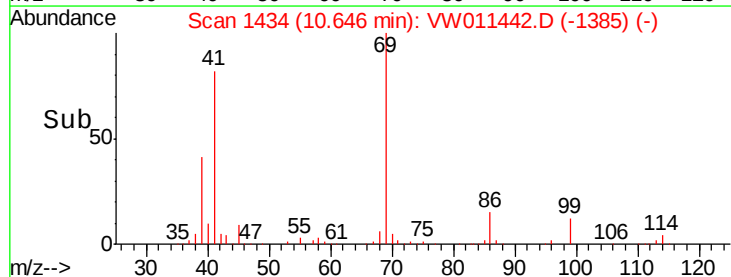
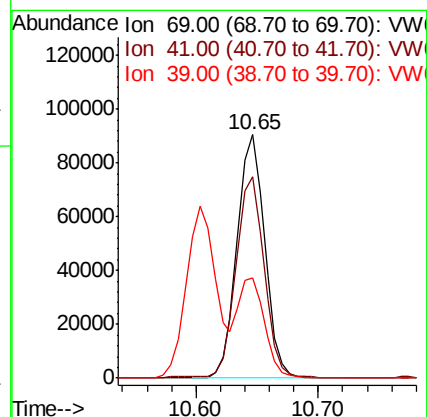
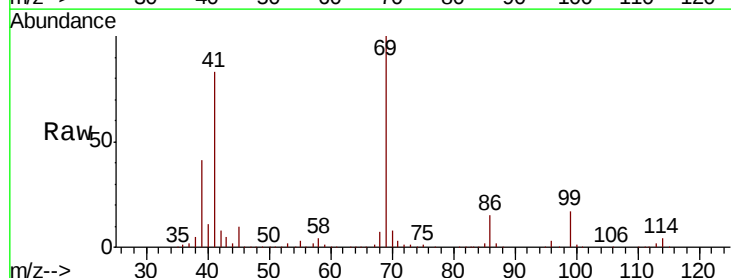
Ion	Ratio	Lower	Upper
97	100		
83	87.0	70.2	105.4
85	56.2	44.2	66.2
99	61.3	52.6	79.0

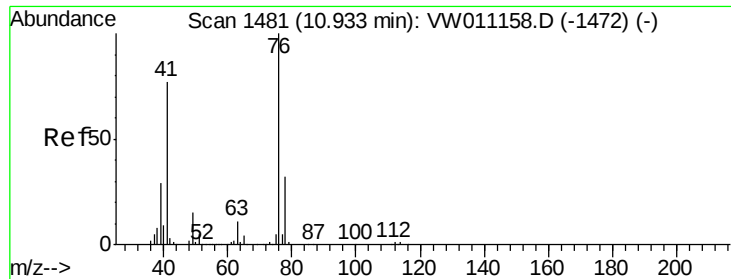


#56
 Ethyl methacrylate
 Concen: 48.819 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011442.D
 Acq: 23 Jul 2019 19:34

Tgt Ion: 69 Resp: 142013

Ion	Ratio	Lower	Upper
69	100		
41	84.3	66.5	99.7
39	38.9	32.5	48.7

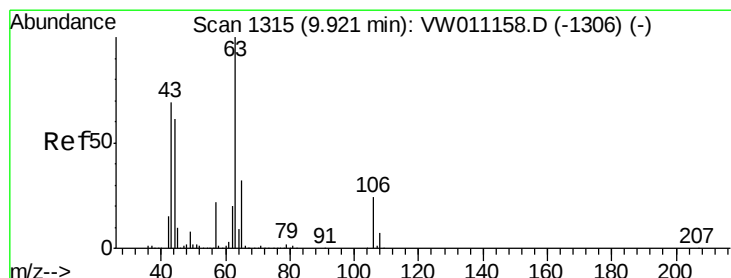
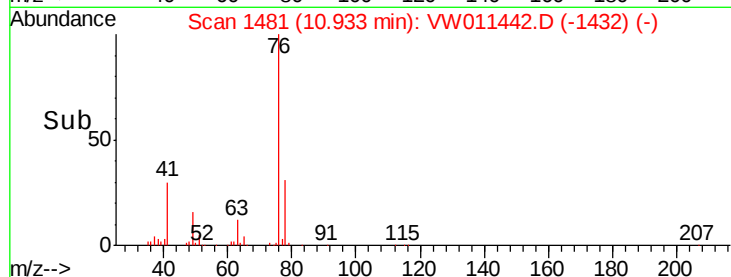
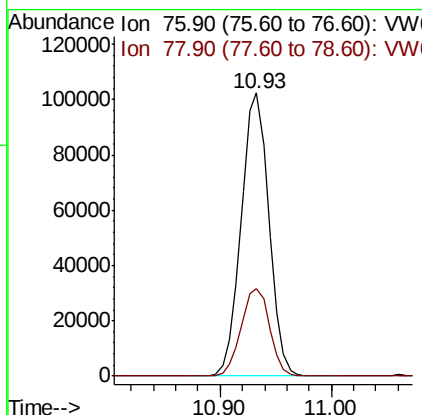
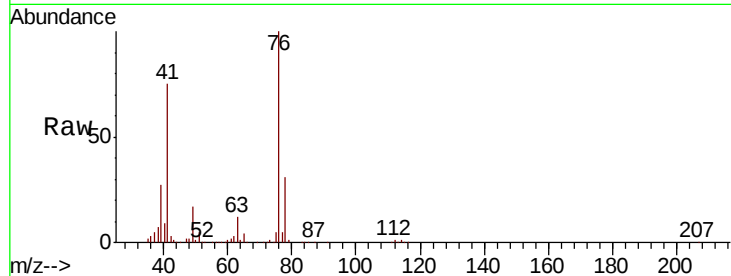




#57
 1,3-Dichloropropane
 Concen: 49.013 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011442.D
 Acq: 23 Jul 2019 19:34

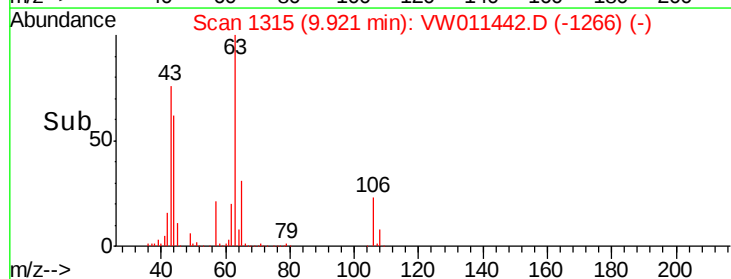
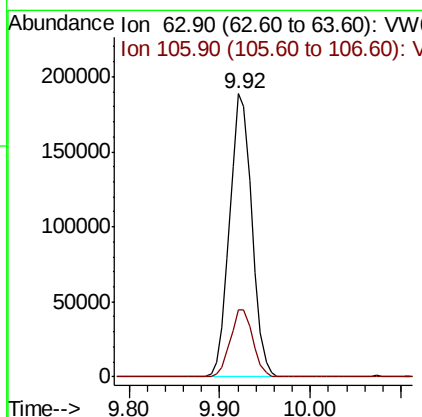
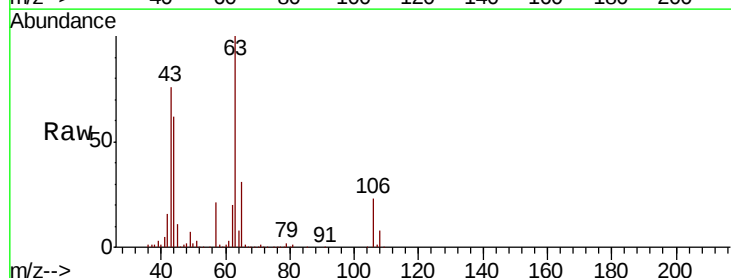
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

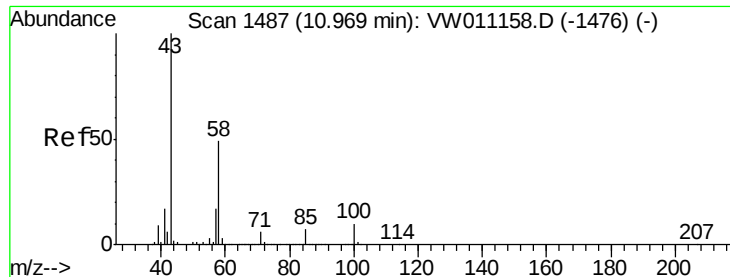
Tot Ion: 76 Resp: 177089
 Ion Ratio Lower Upper
 76 100
 78 31.8 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 237.943 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011442.D
 Acq: 23 Jul 2019 19:34

Tgt Ion: 63 Resp: 320891
 Ion Ratio Lower Upper
 63 100
 106 24.1 19.4 29.0

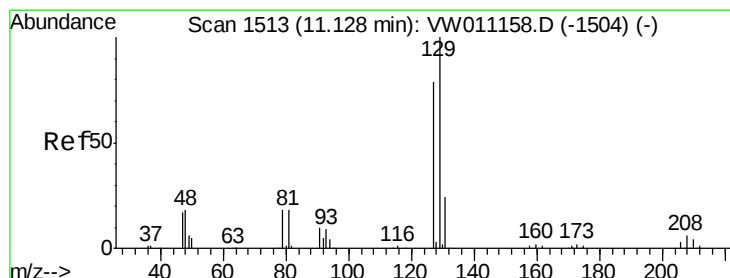
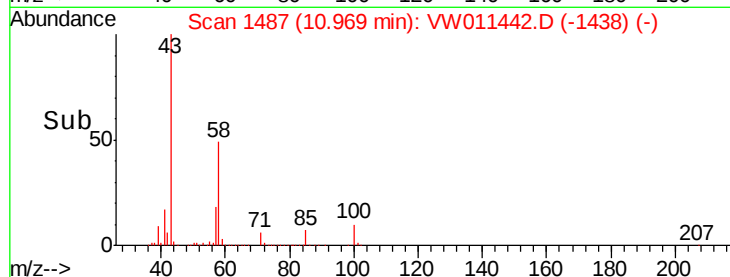
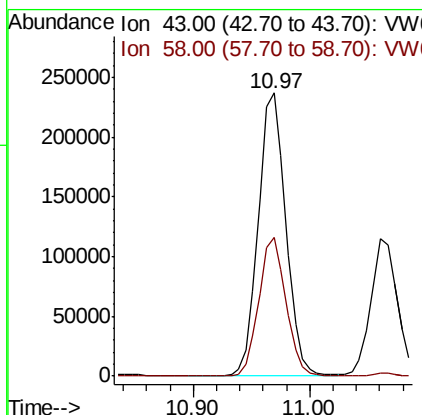
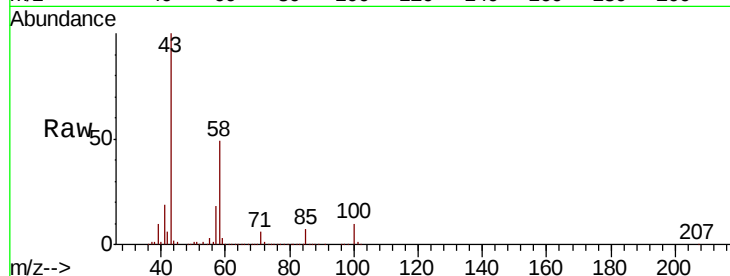




#59
2-Hexanone
Concen: 247.757 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

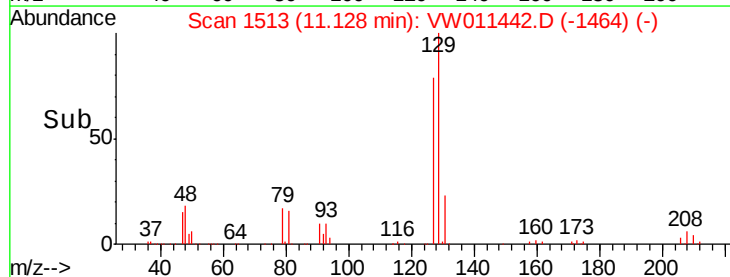
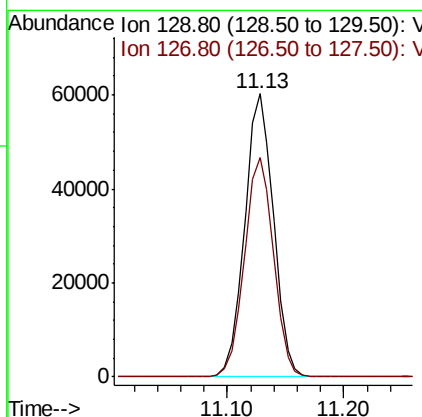
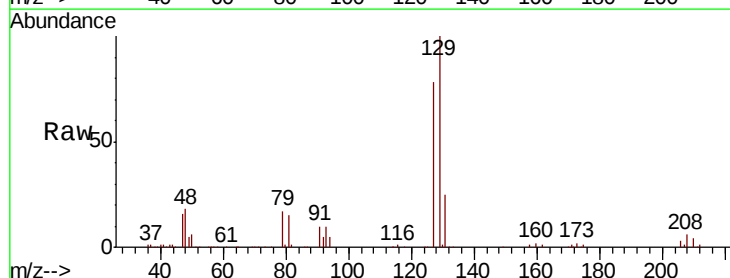
Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

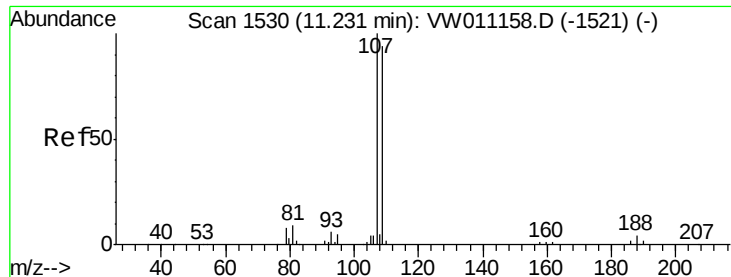
Tot Ion: 43 Resp: 390056
Ion Ratio Lower Upper
43 100
58 48.4 24.4 73.4



#60
Dibromochloromethane
Concen: 49.623 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Tgt Ion: 129 Resp: 103971
Ion Ratio Lower Upper
129 100
127 78.5 39.1 117.3





#61

1,2-Dibromoethane

Concen: 48.660 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

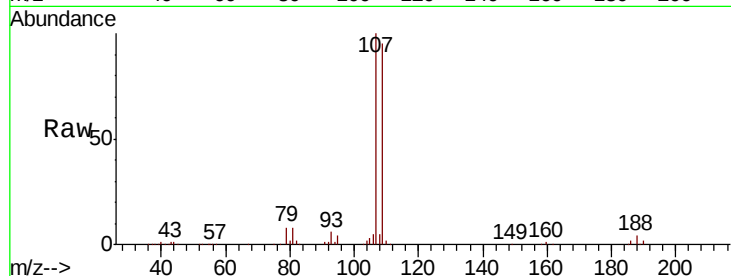
VSTDCCC050

Tot Ion:107 Resp: 88068

Ion Ratio Lower Upper

107 100

109 94.4 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

60000

50000

40000

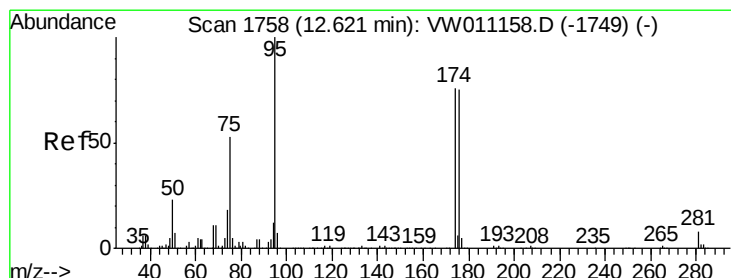
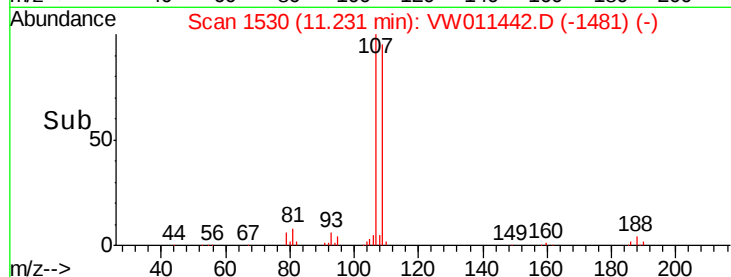
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 45.028 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

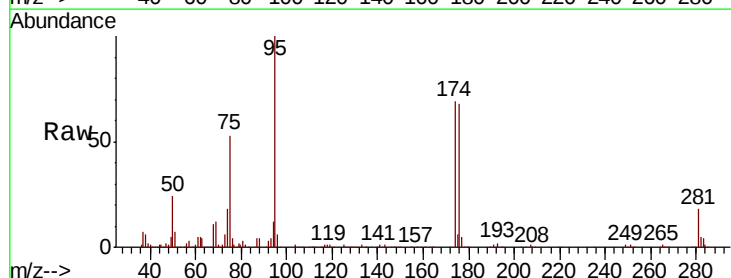
Tgt Ion: 95 Resp: 143054

Ion Ratio Lower Upper

95 100

174 74.0 0.0 147.6

176 72.3 0.0 144.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

120000

100000

80000

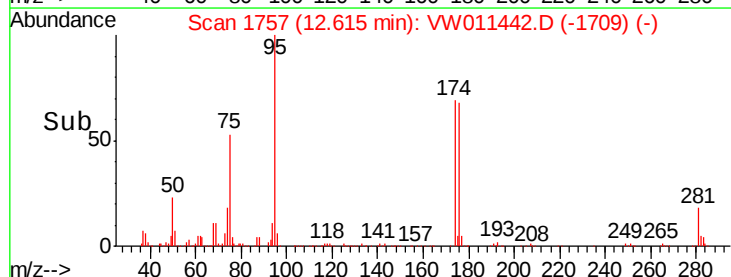
60000

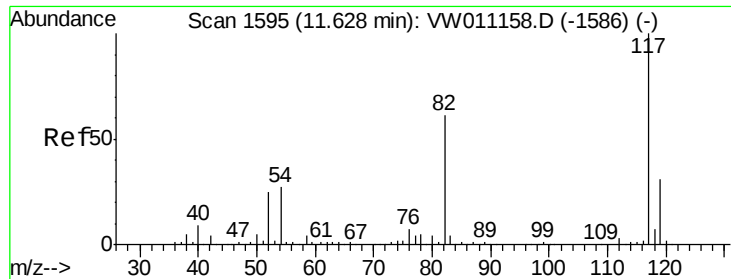
40000

20000

0

Time-->

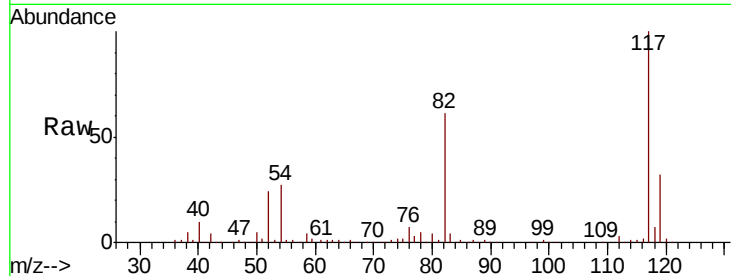




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.8	48.9	73.3
119	31.8	25.0	37.6

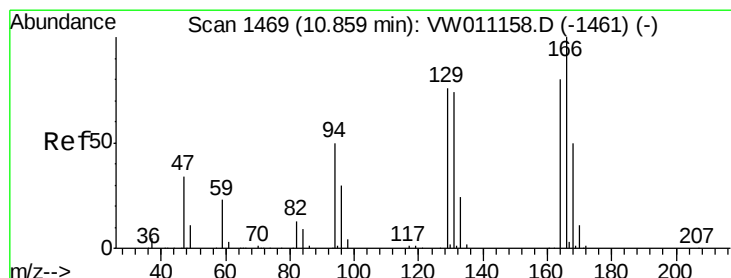
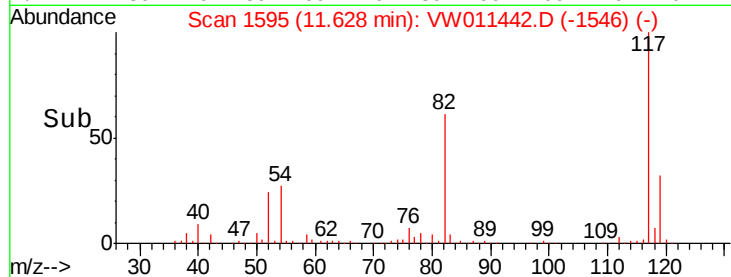
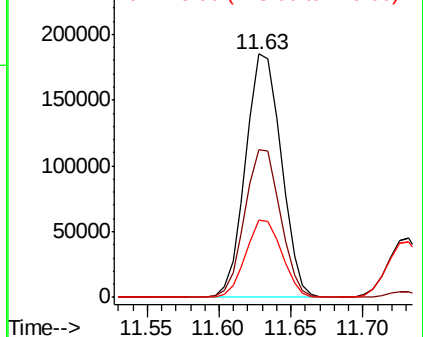


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 47.806 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.2	99.7	149.5
129	95.1	76.2	114.2
131	90.5	74.0	111.0

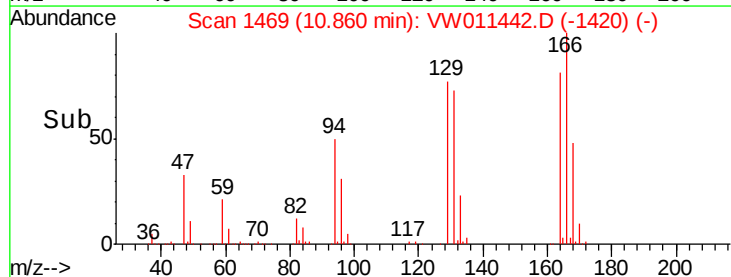
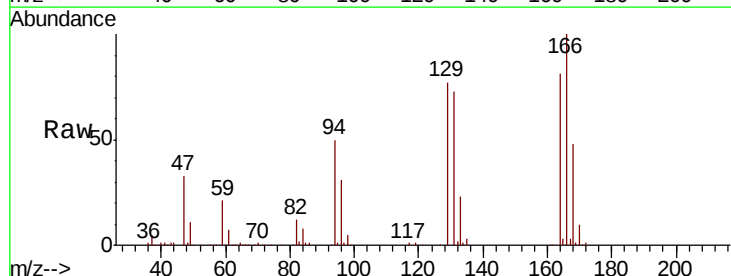
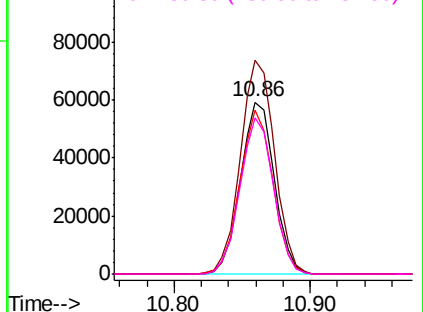
Abundance

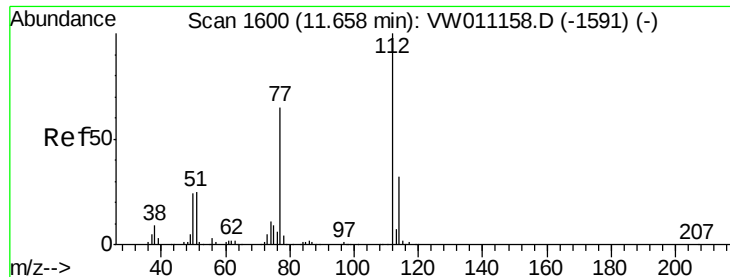
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

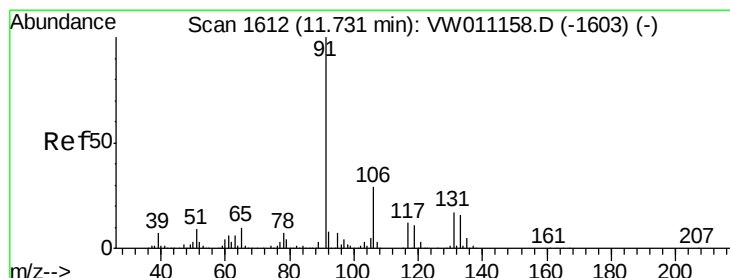
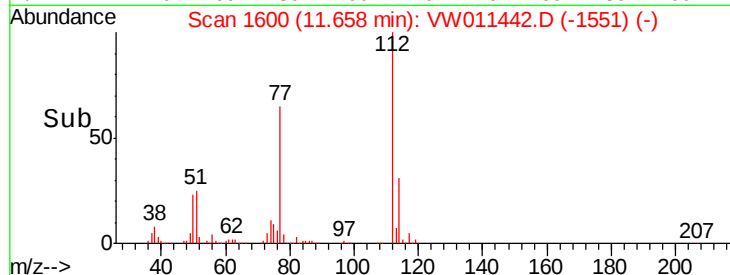
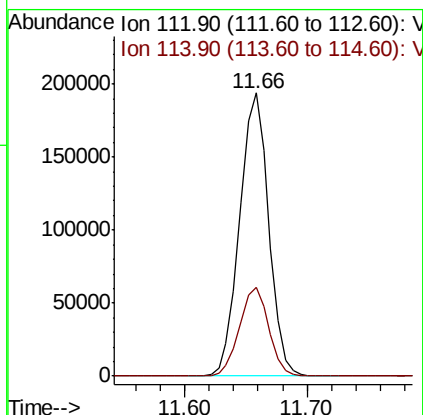
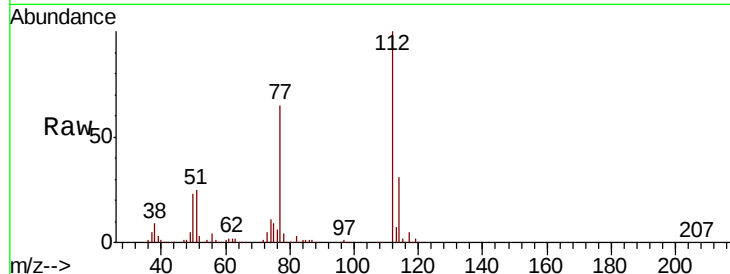




#65
Chlorobenzene
Concen: 49.190 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

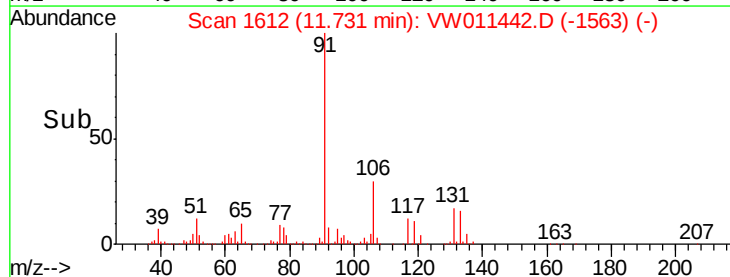
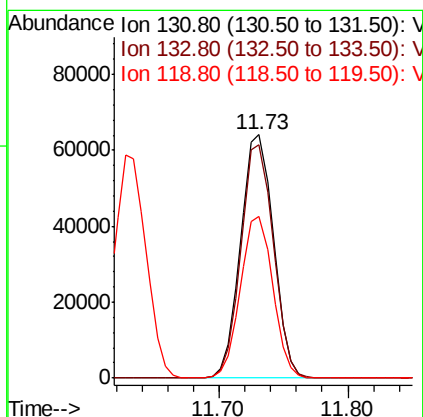
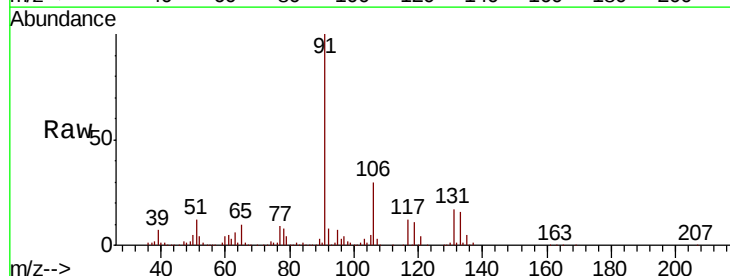
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

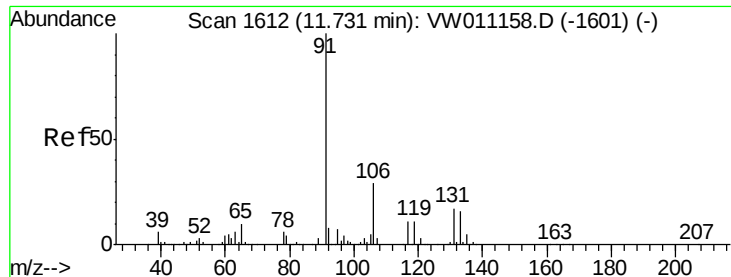
Tot Ion:112 Resp: 318904
Ion Ratio Lower Upper
112 100
114 31.5 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 49.521 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Tgt Ion:131 Resp: 113042
Ion Ratio Lower Upper
131 100
133 95.1 47.9 143.8
119 65.5 33.1 99.2

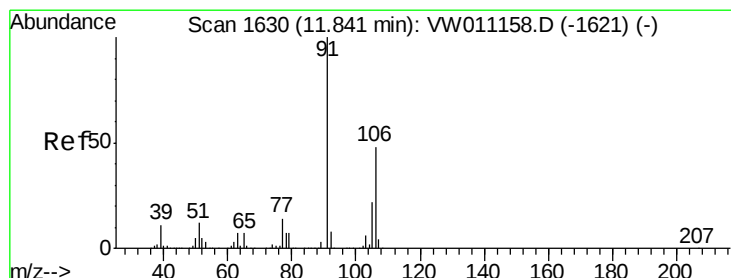
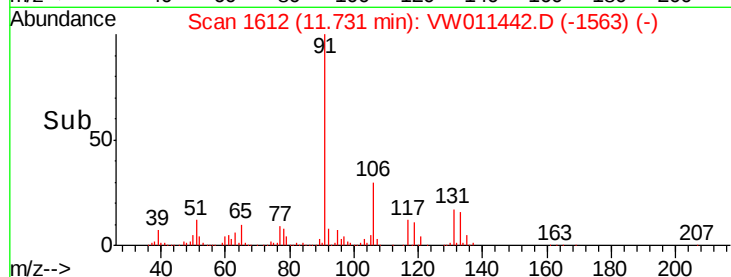
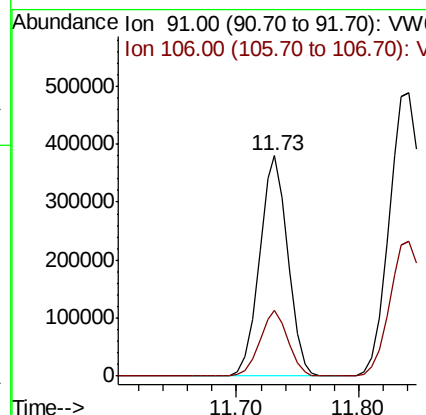
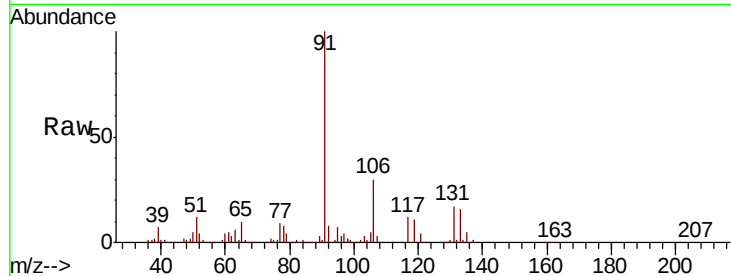




#67
Ethyl Benzene
Concen: 49.197 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

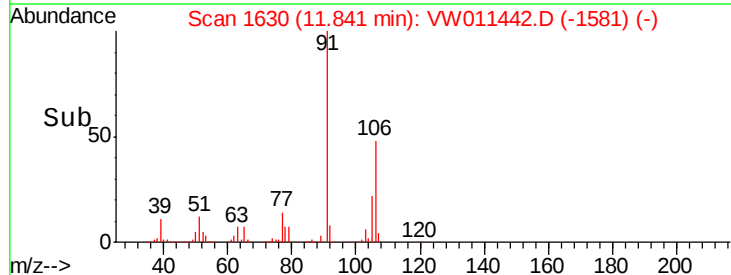
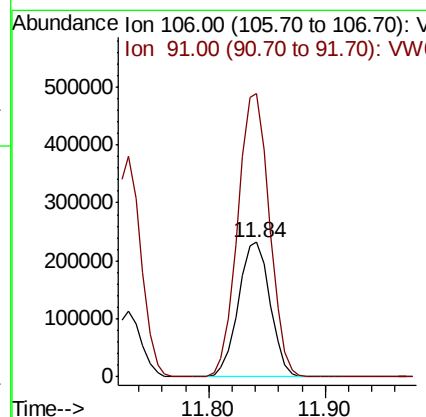
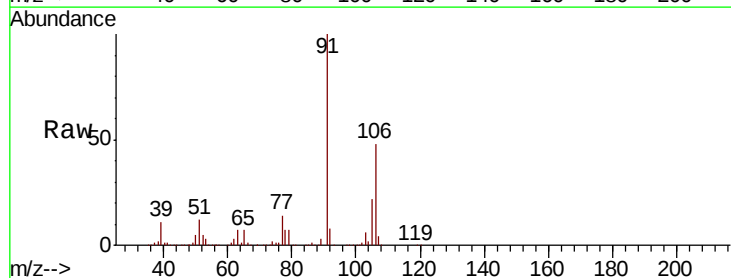
Instrument :
MSVOA_W
ClientSampleID :
VSTDCCC050

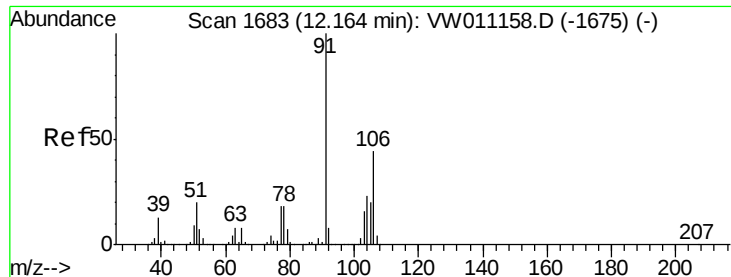
Tot Ion: 91 Resp: 610589
Ion Ratio Lower Upper
91 100
106 29.8 23.5 35.3



#68
m/p-Xylenes
Concen: 98.454 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Tgt Ion: 106 Resp: 442140
Ion Ratio Lower Upper
106 100
91 209.9 167.7 251.5

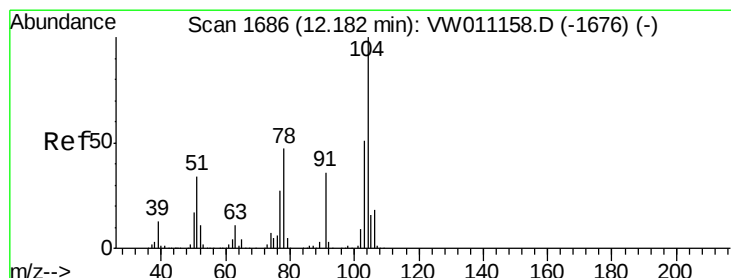
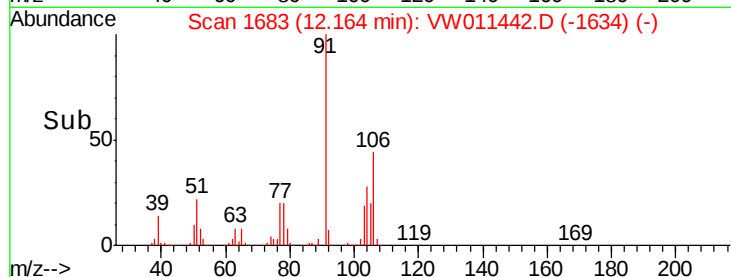
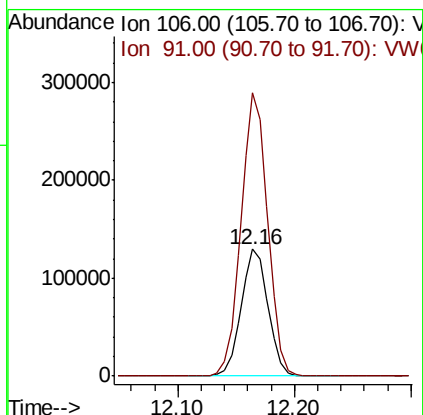
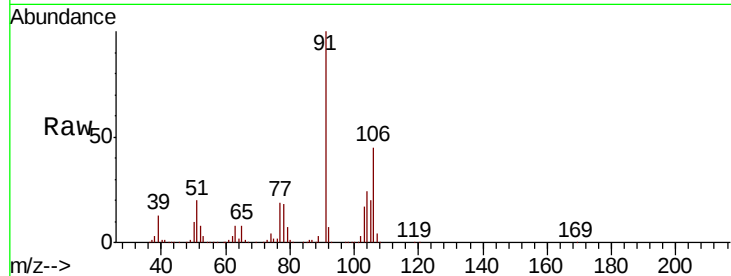




#69
o-Xylene
Concen: 49.048 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

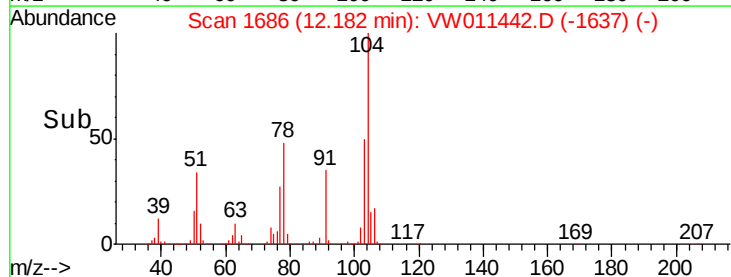
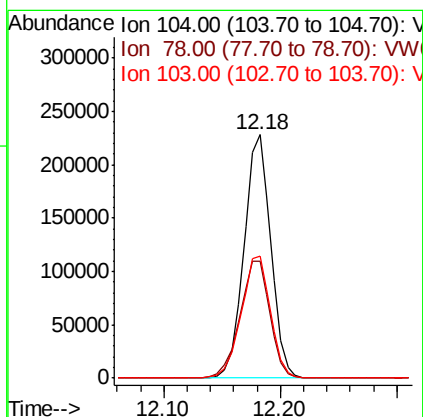
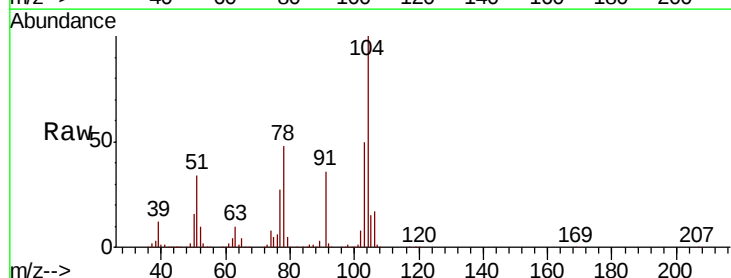
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

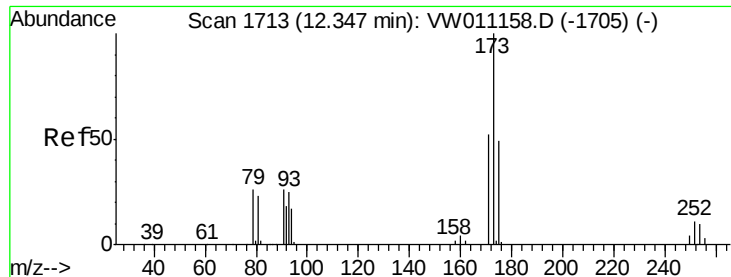
Tot Ion:106 Resp: 207605
Ion Ratio Lower Upper
106 100
91 221.0 110.7 332.1



#70
Styrene
Concen: 50.042 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Tgt Ion:104 Resp: 365552
Ion Ratio Lower Upper
104 100
78 53.6 43.1 64.7
103 54.8 44.1 66.1





#71

Bromoform

Concen: 48.384 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

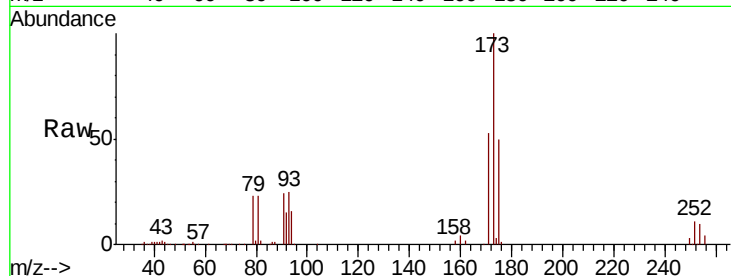
Tot Ion:173 Resp: 58723

Ion Ratio Lower Upper

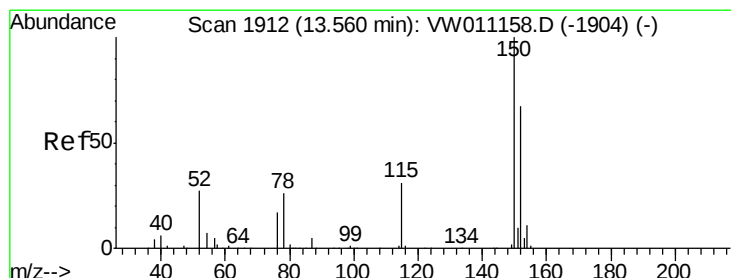
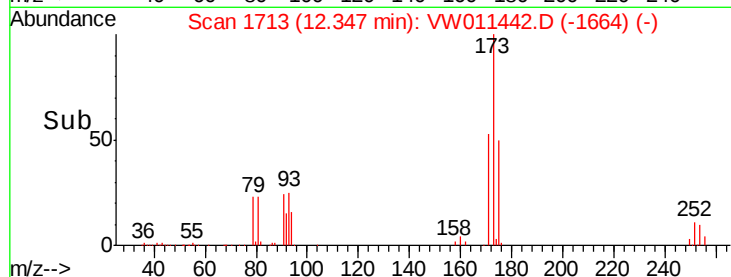
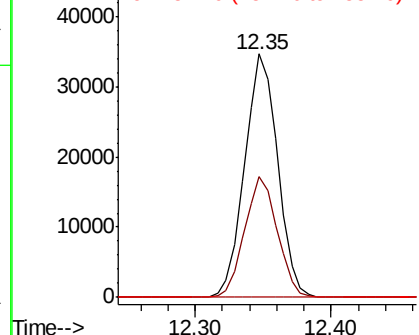
173 100

175 49.3 24.8 74.3

254 0.0 0.0 0.0#



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: VW011442.D

Acq: 23 Jul 2019 19:34

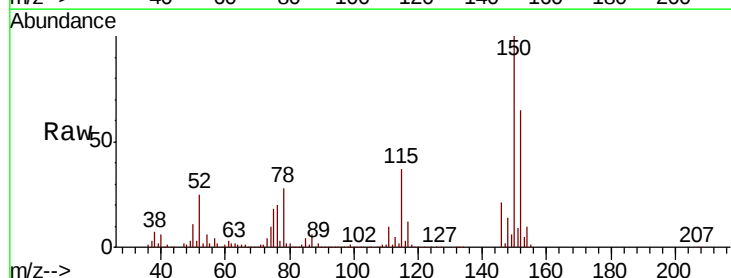
Tgt Ion:152 Resp: 154572

Ion Ratio Lower Upper

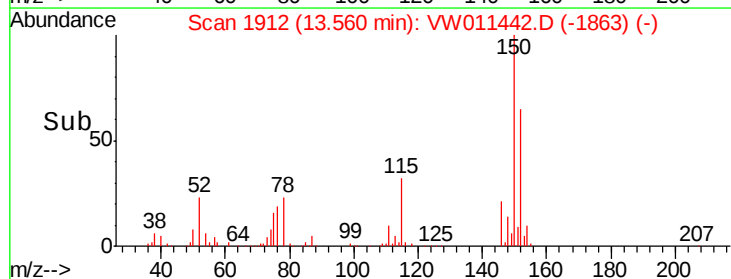
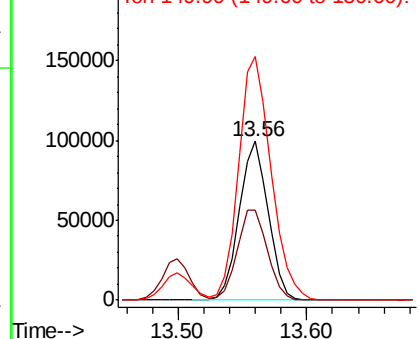
152 100

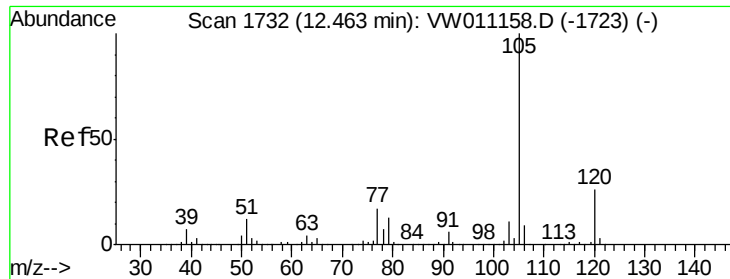
115 60.0 30.1 90.3

150 172.5 0.0 346.0



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: 50.288 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

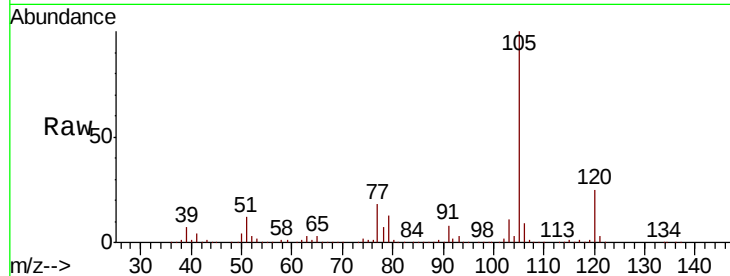
VSTDCCC050

Tot Ion:105 Resp: 581071

Ion Ratio Lower Upper

105 100

120 25.4 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

400000

300000

200000

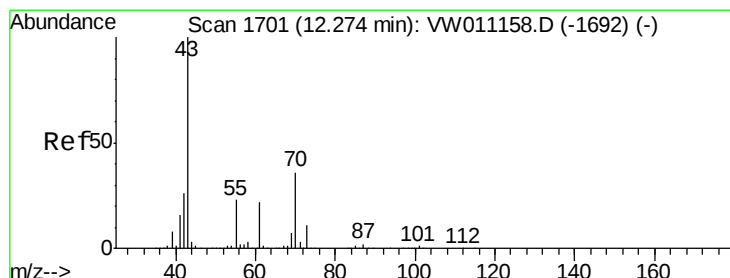
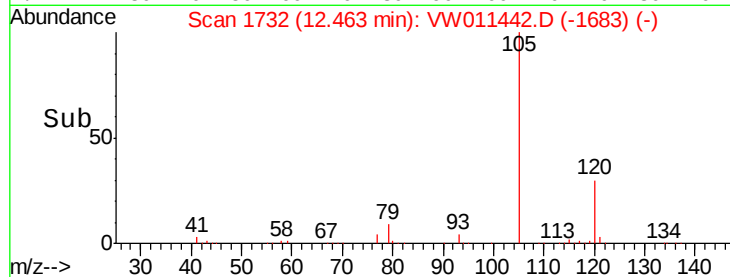
100000

0

Time-->

12.40

12.50



#74

N-ethyl acetate

Concen: 47.984 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Tgt Ion: 43 Resp: 193101

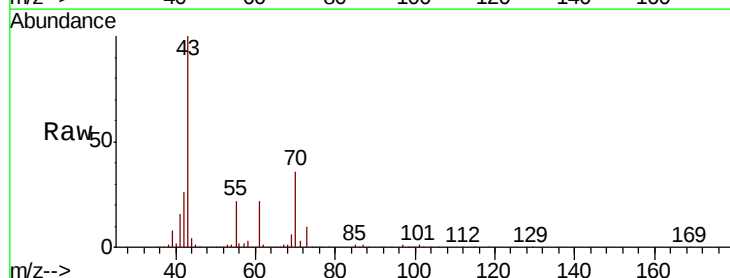
Ion Ratio Lower Upper

43 100

70 35.9 28.5 42.7

55 22.2 18.1 27.1

61 21.8 17.2 25.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

12.27

200000

150000

100000

50000

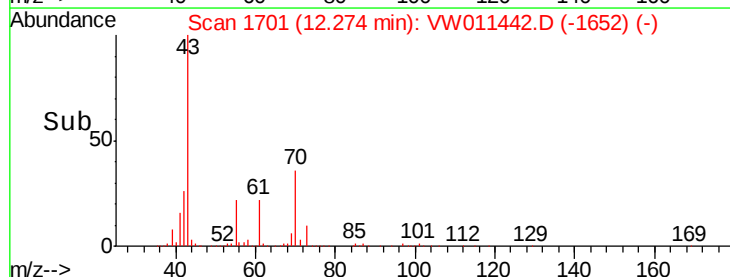
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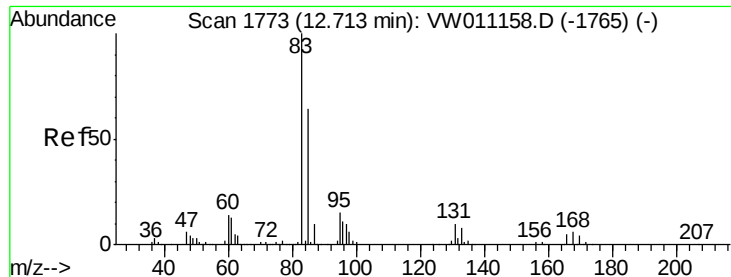
Time-->

12.20

12.30

12.40





#75

1,1,2,2-Tetrachloroethane

Concen: 47.935 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

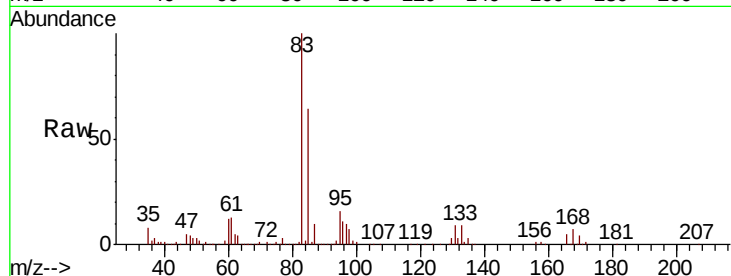
Tot Ion: 83 Resp: 113537

Ion Ratio Lower Upper

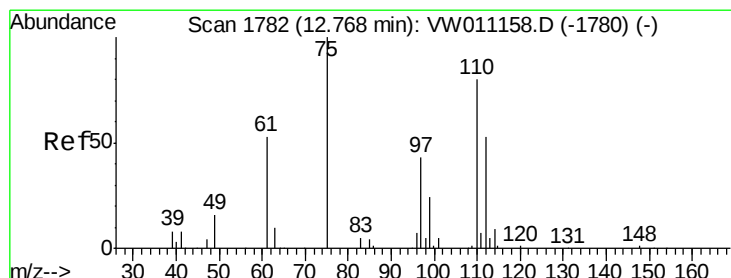
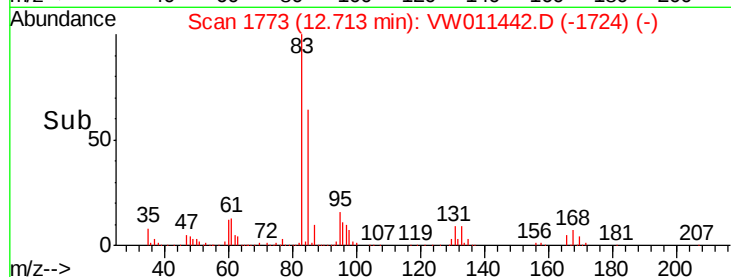
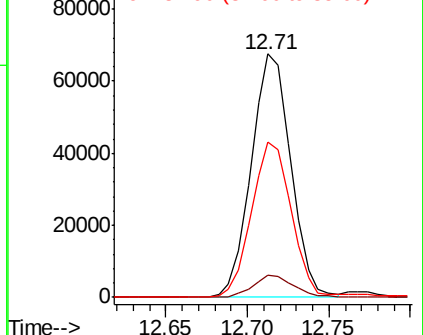
83 100

131 9.5 5.0 15.0

85 64.0 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 84.503 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011442.D

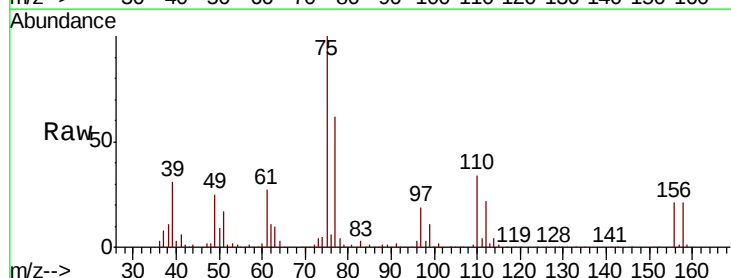
Acq: 23 Jul 2019 19:34

Tgt Ion: 75 Resp: 150945

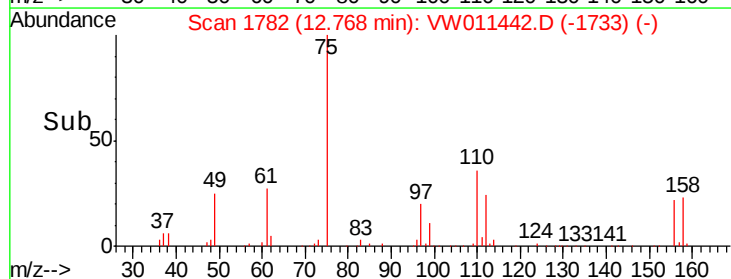
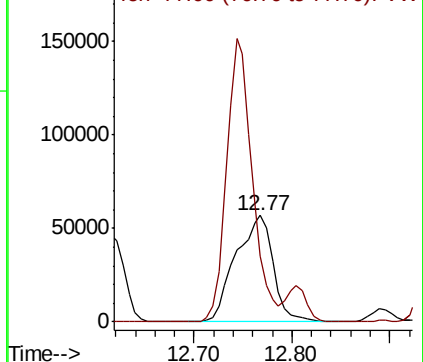
Ion Ratio Lower Upper

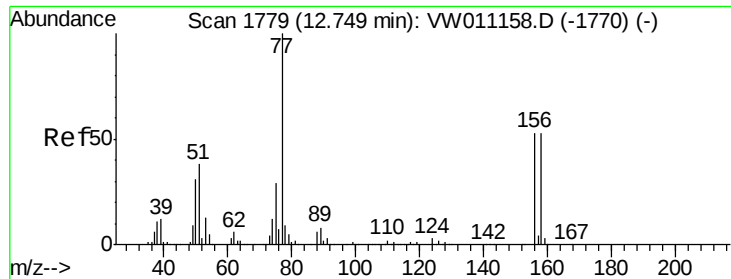
75 100

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

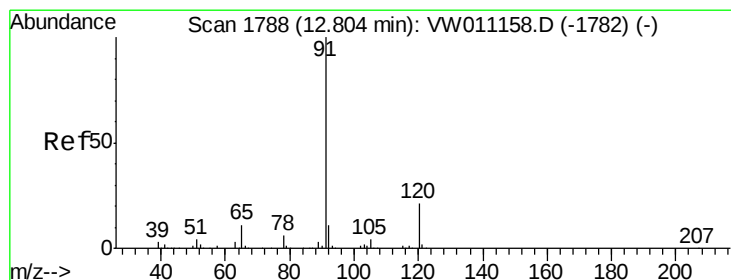
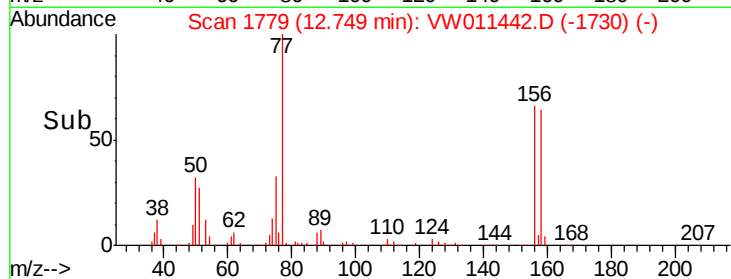
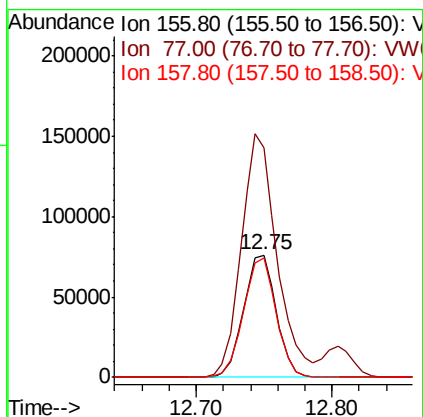
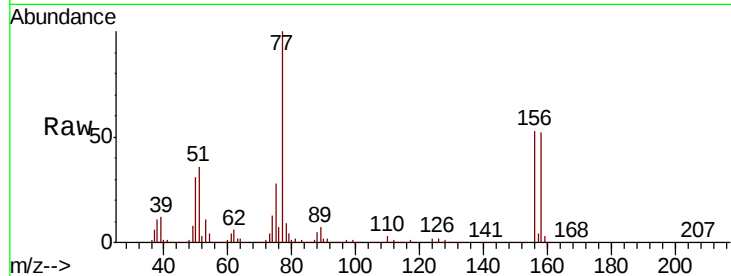




#77
Bromobenzene
Concen: 49.343 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

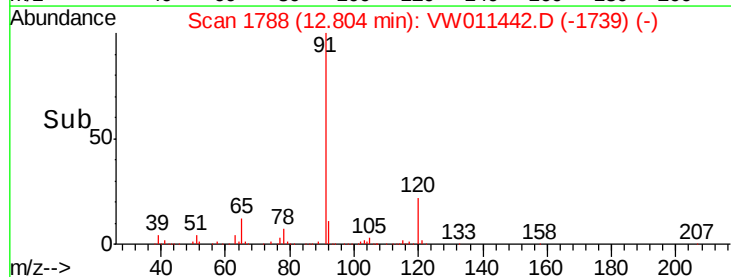
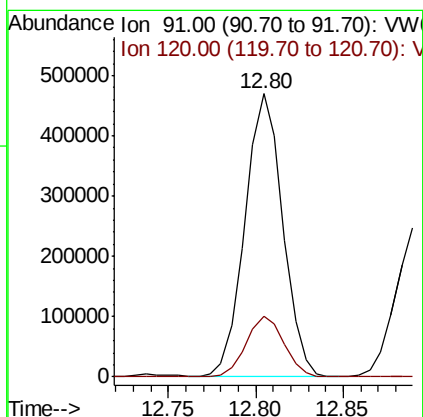
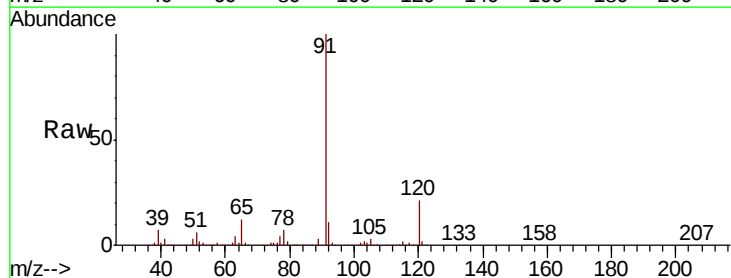
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

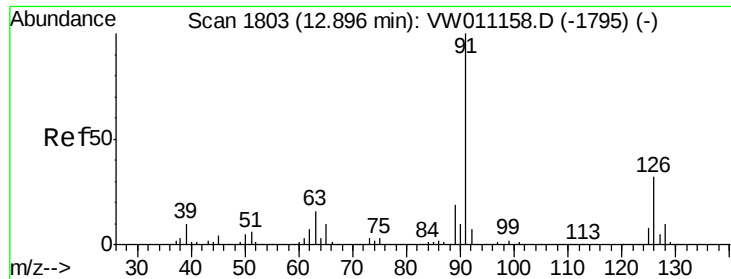
Tot Ion:156 Resp: 127952
Ion Ratio Lower Upper
156 100
77 215.7 109.0 327.0
158 97.1 48.8 146.3



#78
n-propylbenzene
Concen: 49.551 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Tgt Ion: 91 Resp: 705303
Ion Ratio Lower Upper
91 100
120 21.5 10.8 32.3

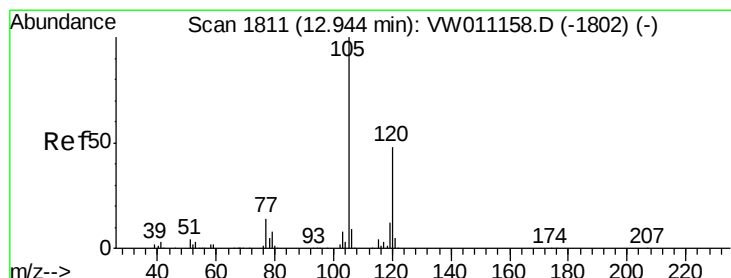
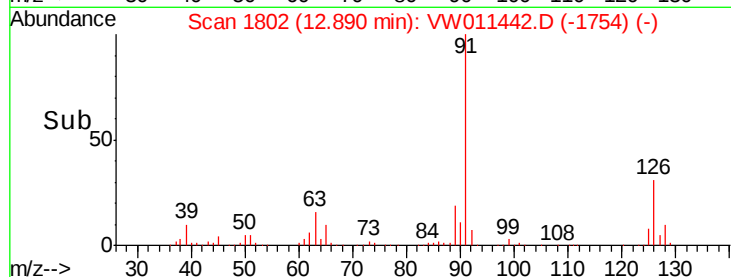
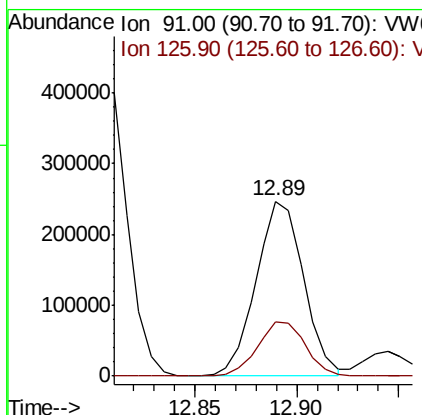
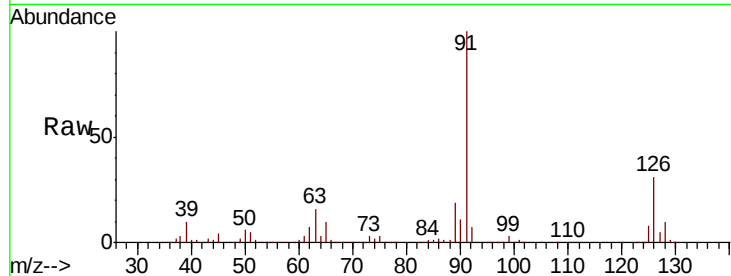




#79
 2-Chlorotoluene
 Concen: 48.908 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.01 min
 Lab File: VW011442.D
 Acq: 23 Jul 2019 19:34

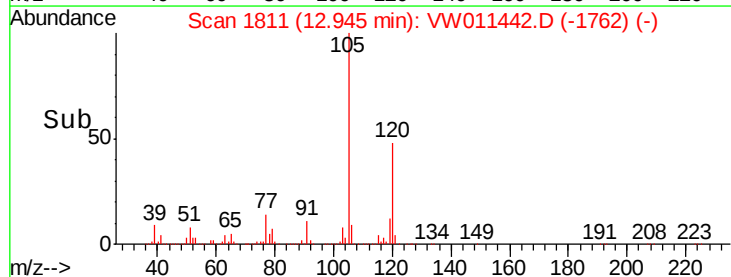
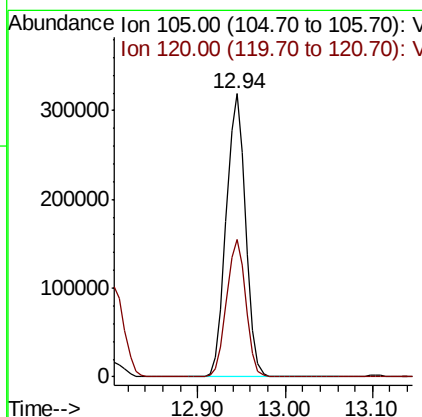
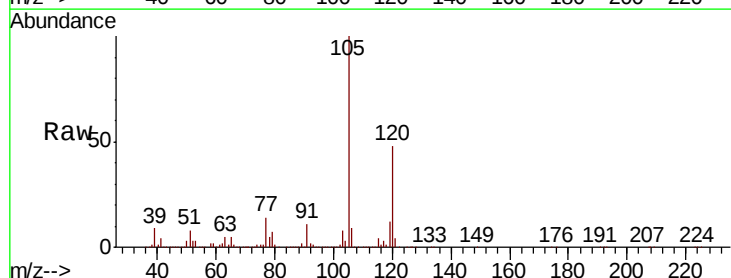
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

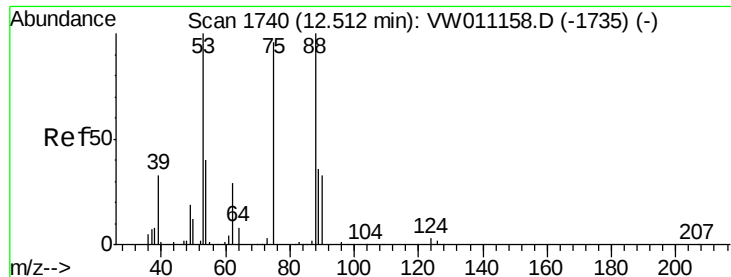
Tot Ion: 91 Resp: 400600
 Ion Ratio Lower Upper
 91 100
 126 31.5 15.8 47.3



#80
 1,3,5-Trimethylbenzene
 Concen: 49.821 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW011442.D
 Acq: 23 Jul 2019 19:34

Tgt Ion:105 Resp: 489062
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 46.205 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

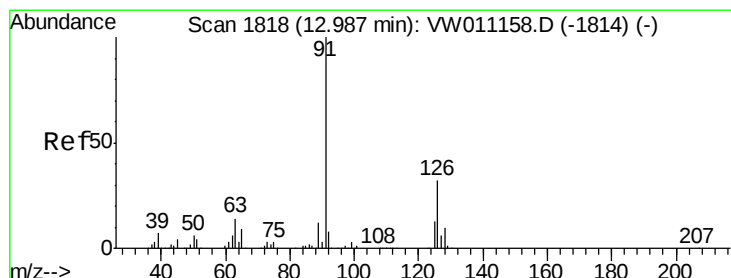
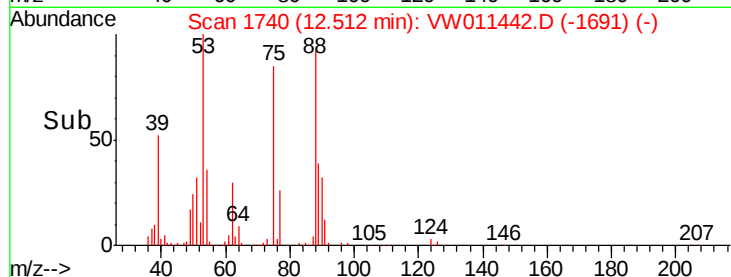
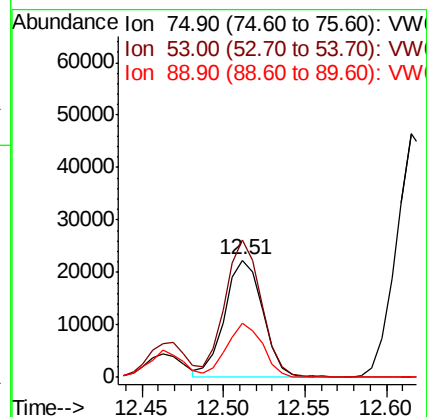
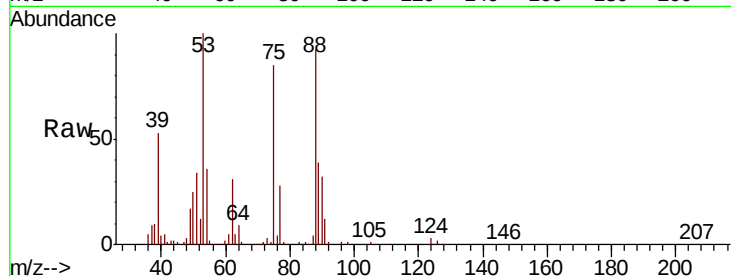
Tot Ion: 75 Resp: 36491

Ion Ratio Lower Upper

75 100

53 110.4 89.8 134.6

89 43.4 34.3 51.5



#82

4-Chlorotoluene

Concen: 49.715 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW011442.D

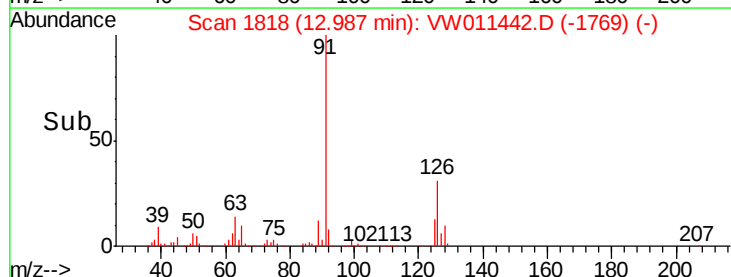
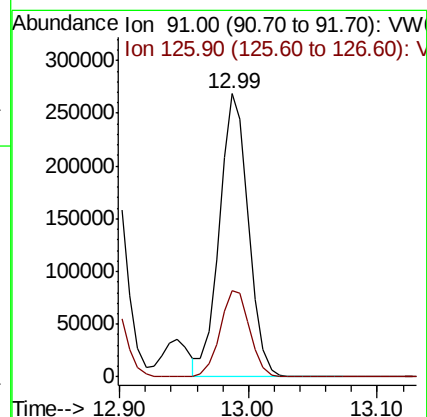
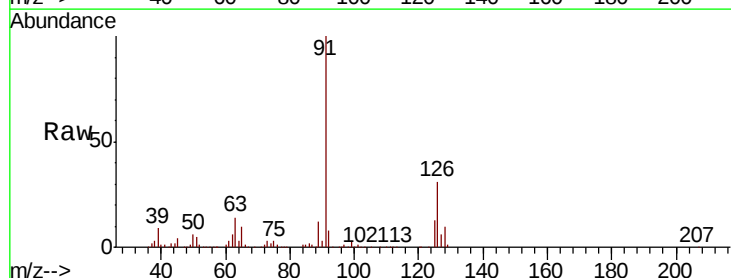
Acq: 23 Jul 2019 19:34

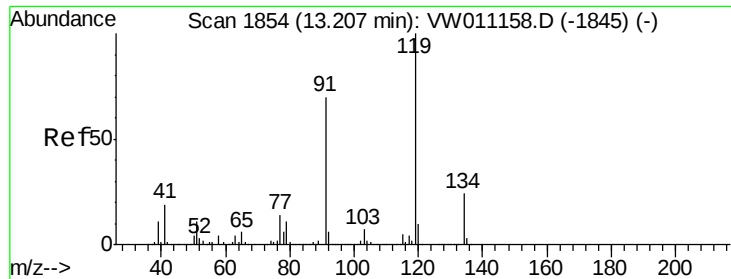
Tgt Ion: 91 Resp: 424138

Ion Ratio Lower Upper

91 100

126 31.3 15.7 47.1

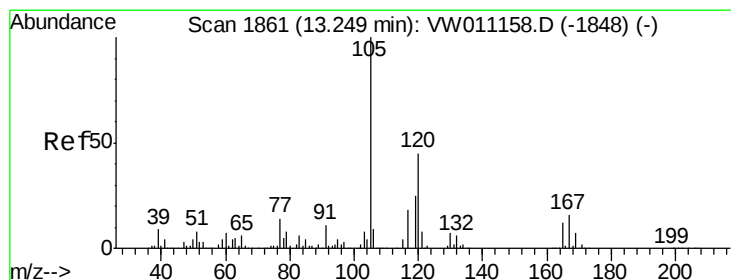
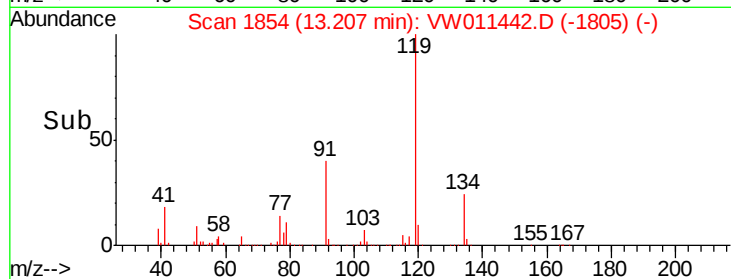
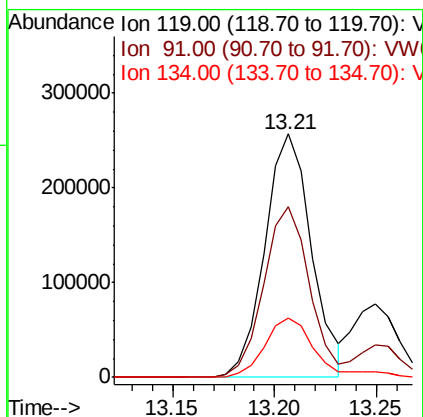
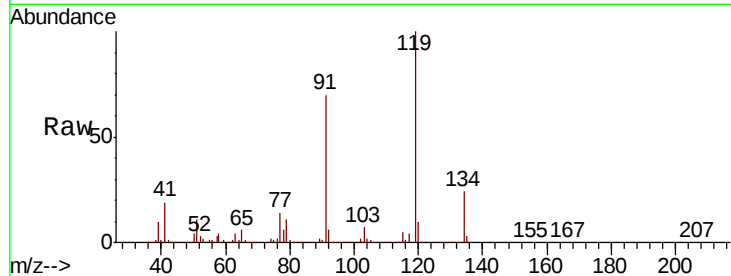




#83
tert-Butylbenzene
Concen: 50.053 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

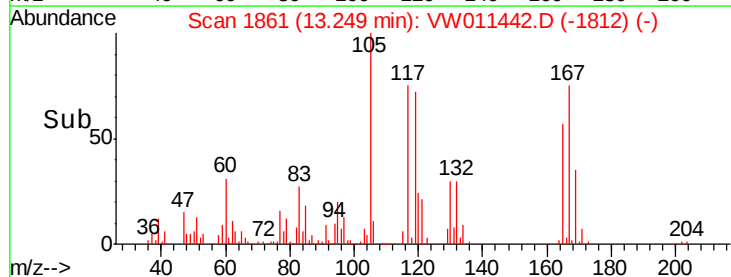
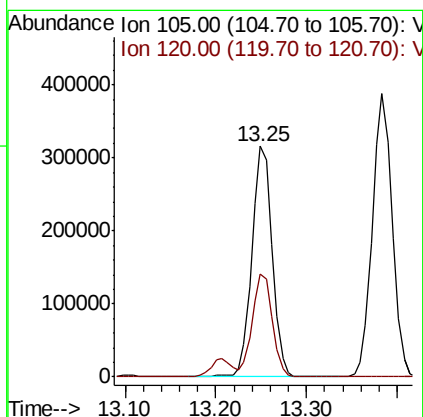
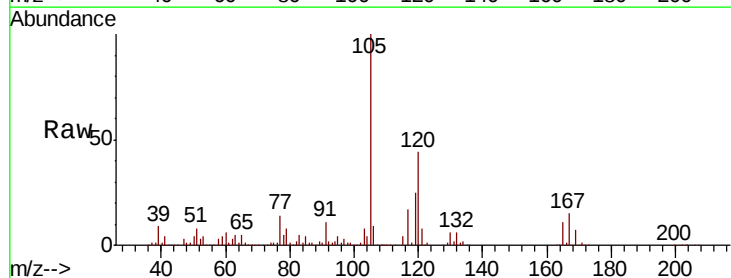
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

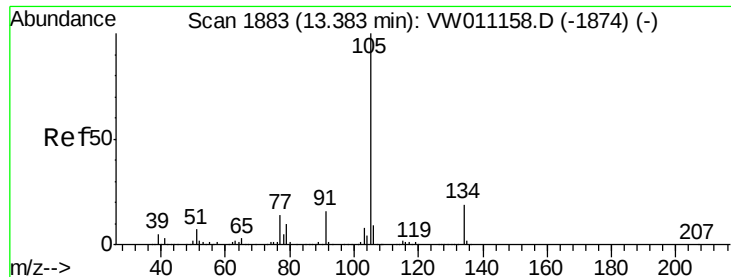
Tot Ion:119 Resp: 409777
Ion Ratio Lower Upper
119 100
91 68.7 35.4 106.3
134 26.7 13.4 40.2



#84
1,2,4-Trimethylbenzene
Concen: 49.723 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Tgt Ion:105 Resp: 490112
Ion Ratio Lower Upper
105 100
120 43.9 22.3 66.9





#85

sec-Butylbenzene

Concen: 49.712 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

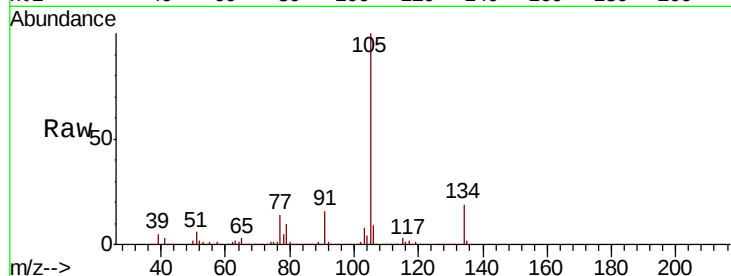
VSTDCCC050

Tot Ion:105 Resp: 587261

Ion Ratio Lower Upper

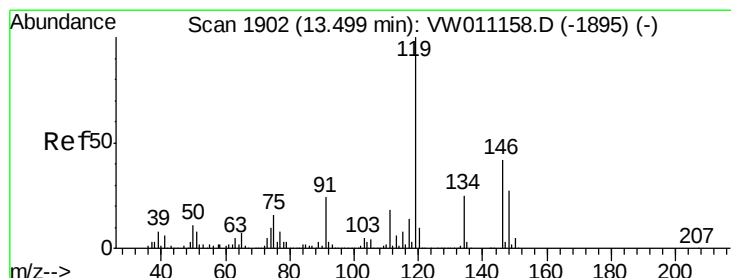
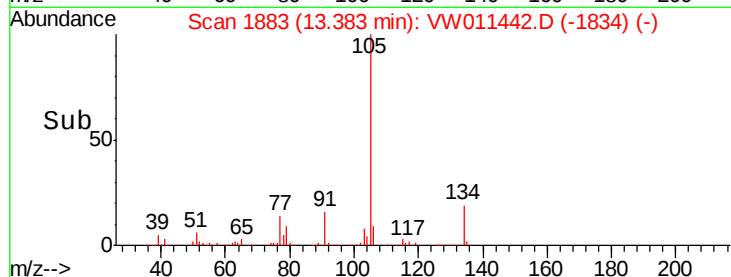
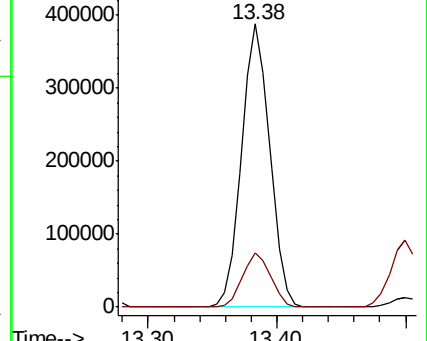
105 100

134 19.3 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.968 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

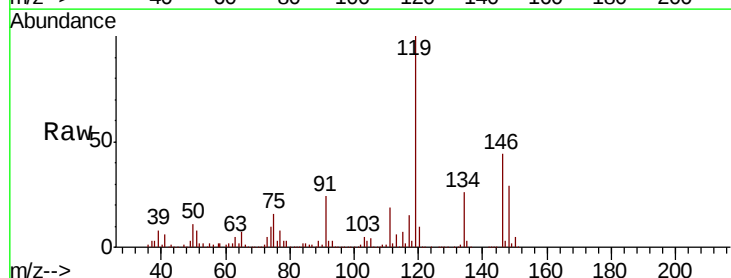
Tgt Ion:119 Resp: 529438

Ion Ratio Lower Upper

119 100

134 25.5 12.9 38.6

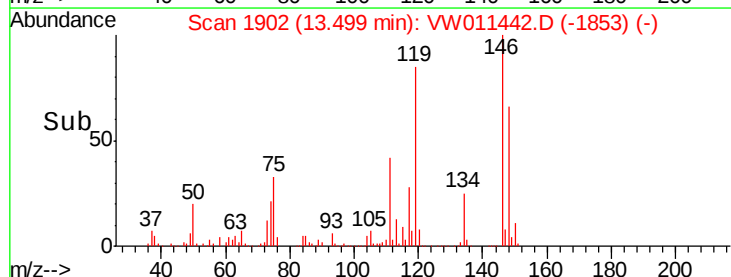
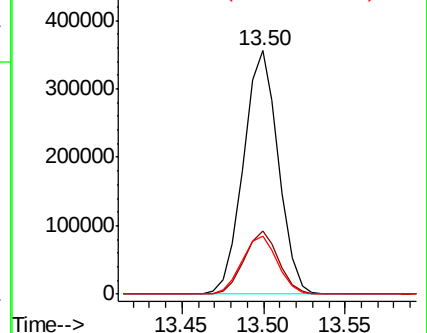
91 24.2 12.3 36.8

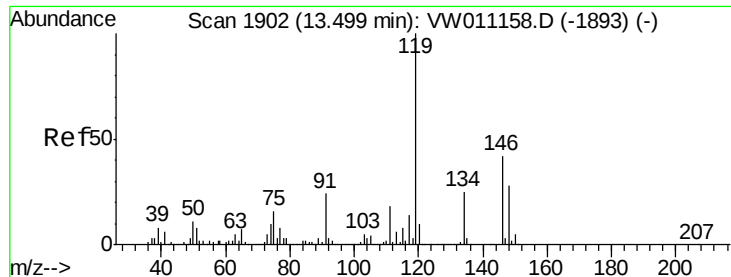


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.593 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

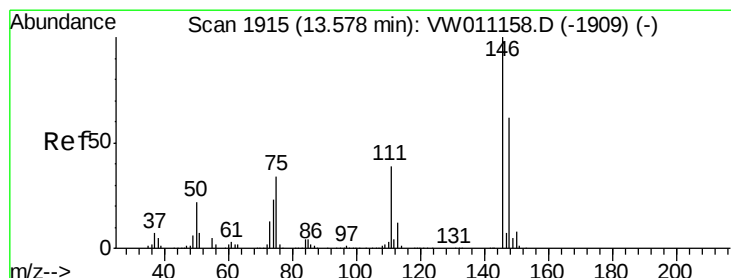
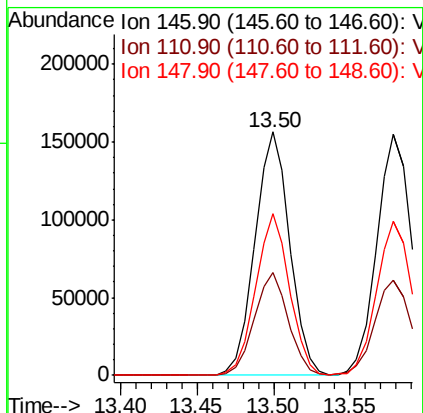
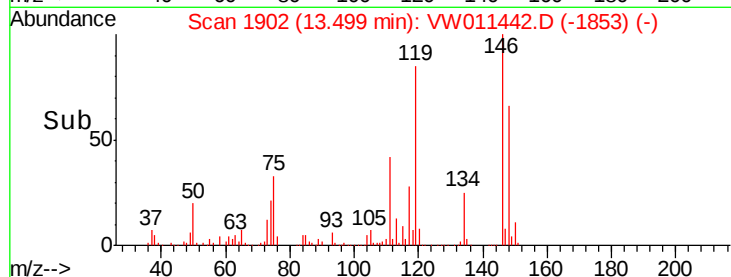
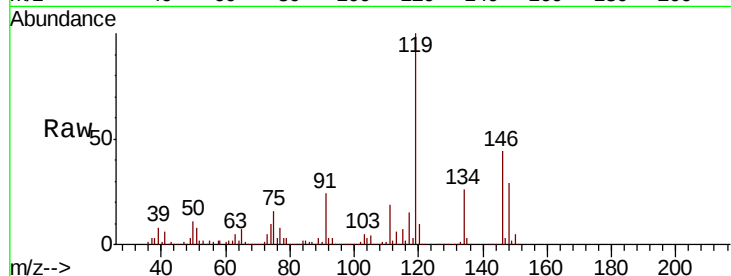
Tot Ion:146 Resp: 247427

Ion Ratio Lower Upper

146 100

111 41.4 21.1 63.1

148 64.4 32.6 97.7



#88

1,4-Dichlorobenzene

Concen: 48.740 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

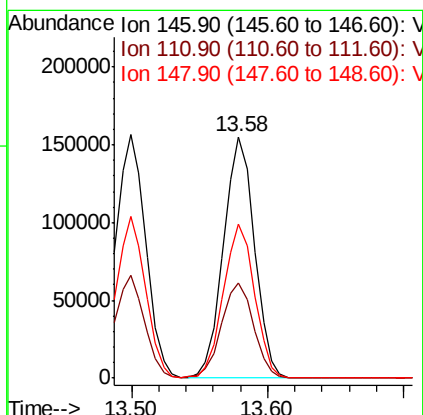
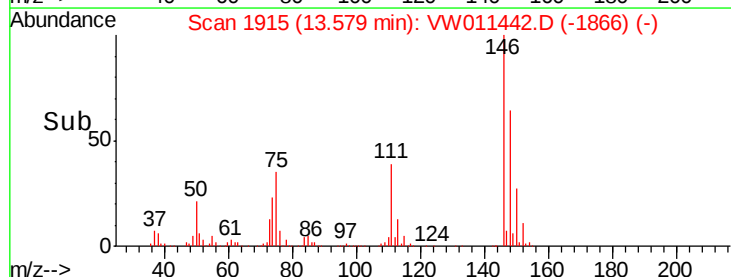
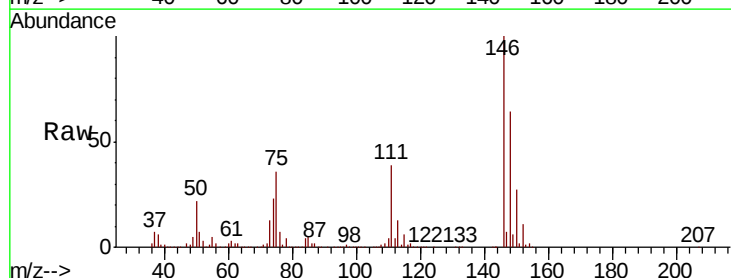
Tgt Ion:146 Resp: 244866

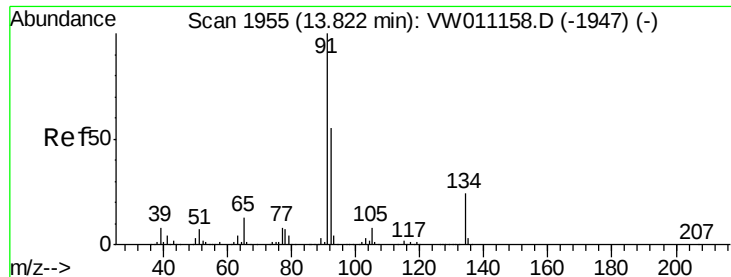
Ion Ratio Lower Upper

146 100

111 40.7 19.9 59.7

148 64.5 31.5 94.5

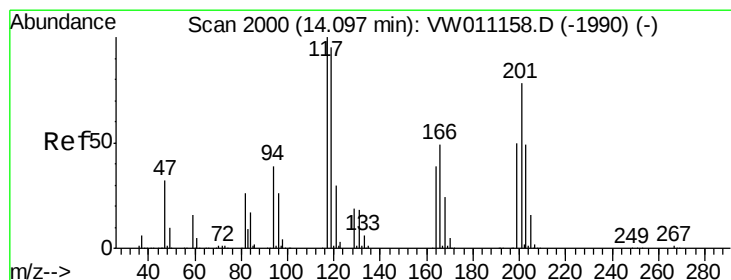
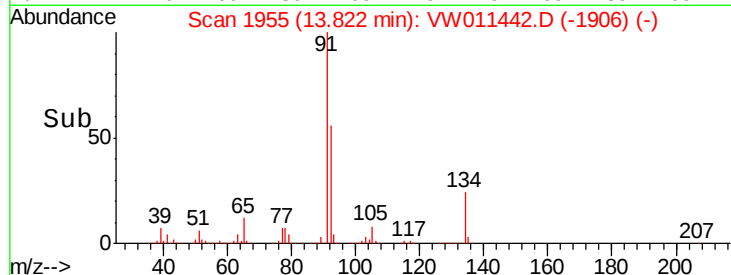
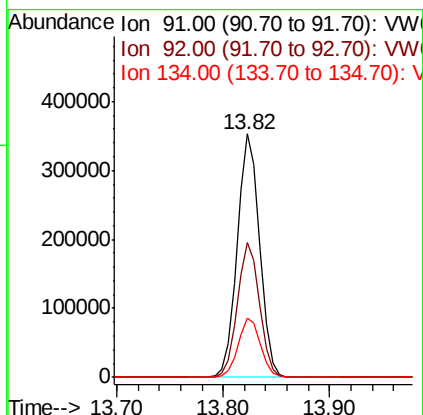
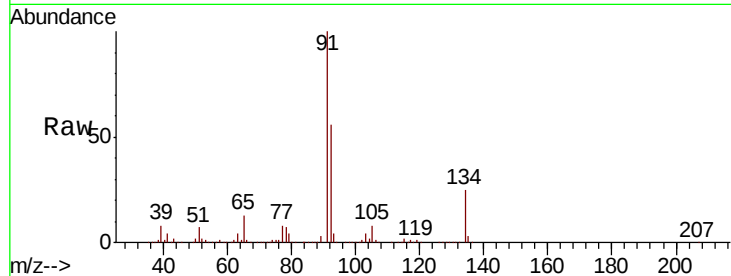




#89
n-Butylbenzene
Concen: 49.237 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

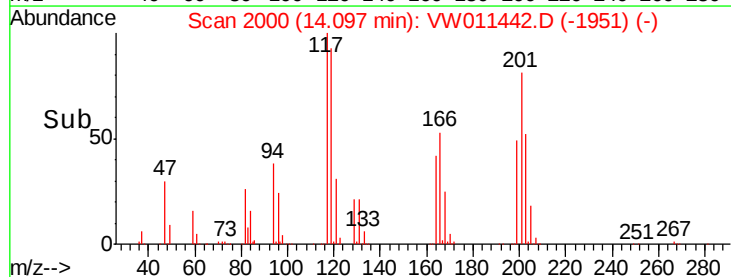
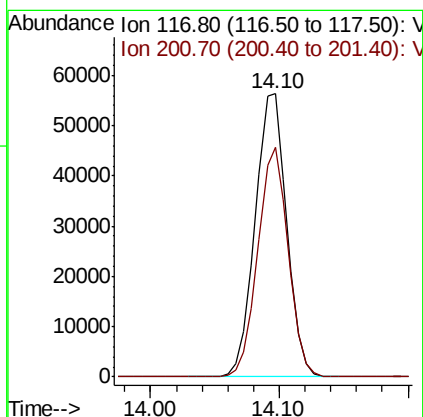
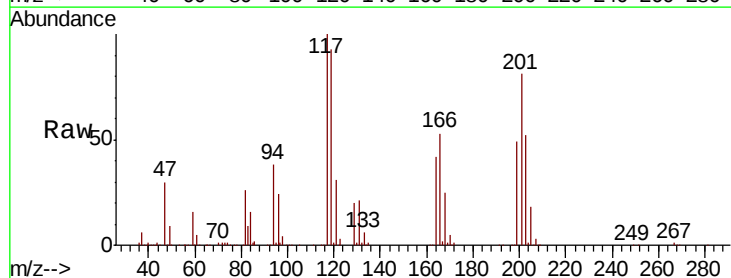
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

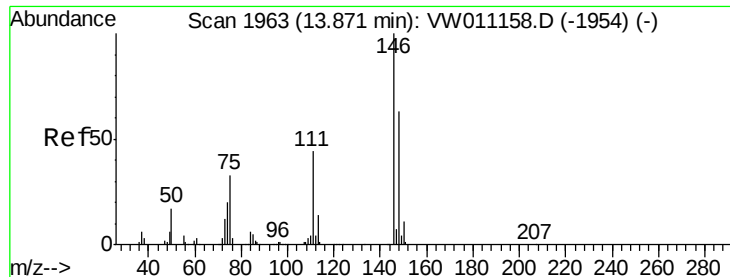
Tot Ion: 91 Resp: 520425
Ion Ratio Lower Upper
91 100
92 54.7 26.9 80.7
134 24.5 12.2 36.4



#90
Hexachloroethane
Concen: 49.003 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Tgt Ion: 117 Resp: 94878
Ion Ratio Lower Upper
117 100
201 78.2 38.3 114.8

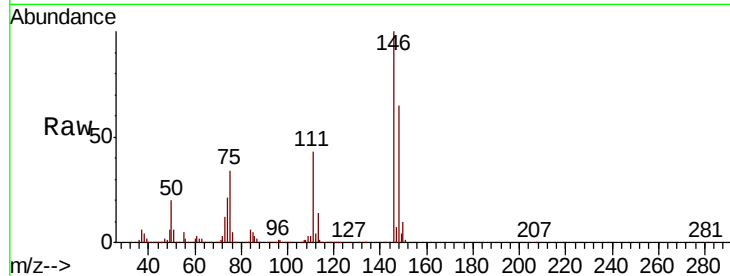




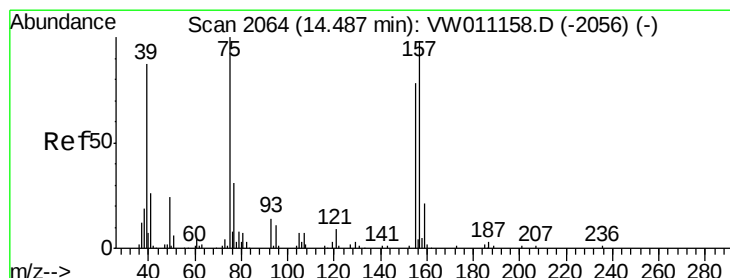
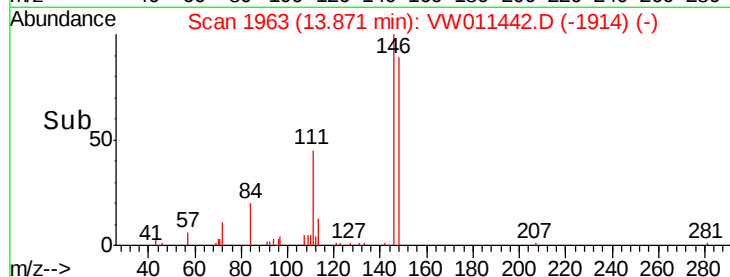
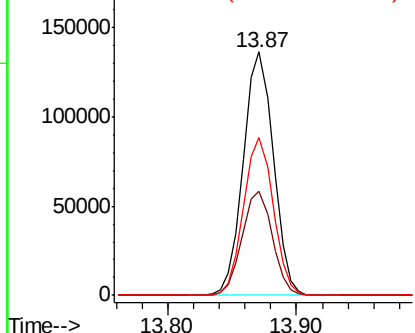
#91
 1,2-Dichlorobenzene
 Concen: 48.765 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011442.D
 Acq: 23 Jul 2019 19:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 220722
 Ion Ratio Lower Upper
 146 100
 111 42.9 21.6 65.0
 148 64.1 31.9 95.5

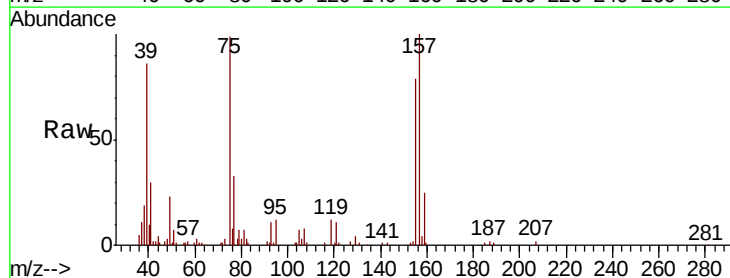


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

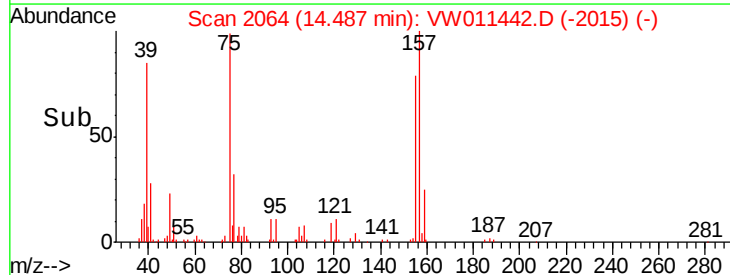
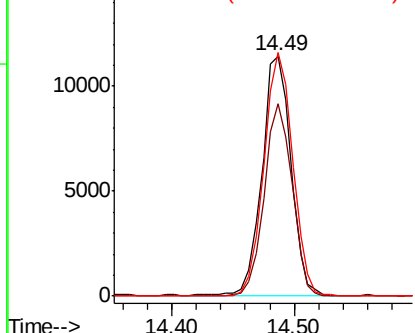


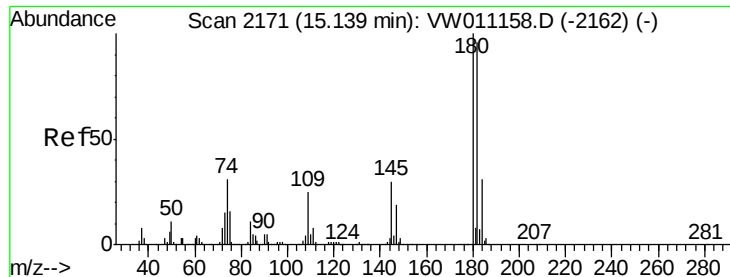
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.381 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011442.D
 Acq: 23 Jul 2019 19:34

Tgt Ion: 75 Resp: 19066
 Ion Ratio Lower Upper
 75 100
 155 76.5 37.1 111.3
 157 99.6 48.5 145.6



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

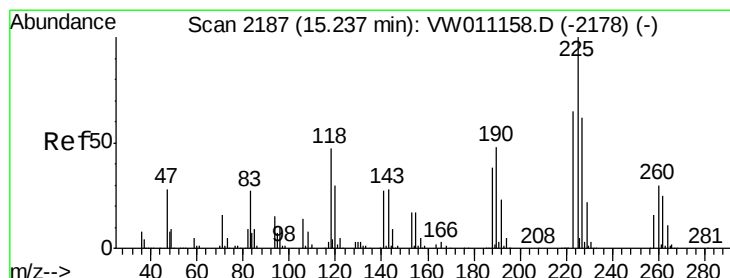
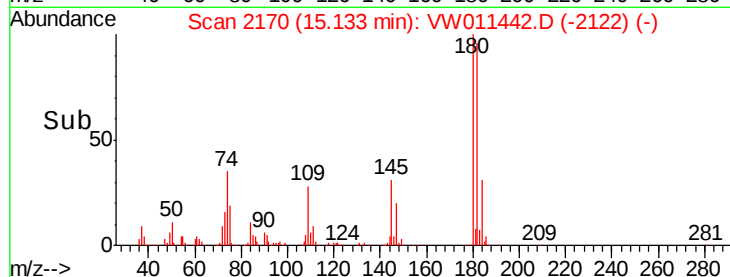
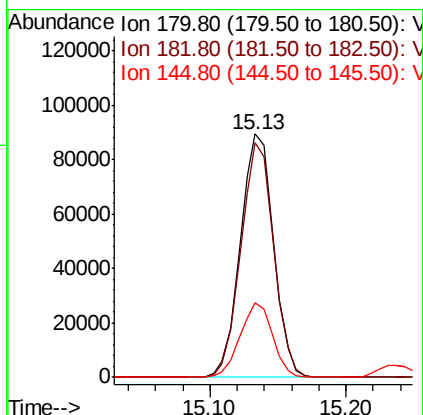
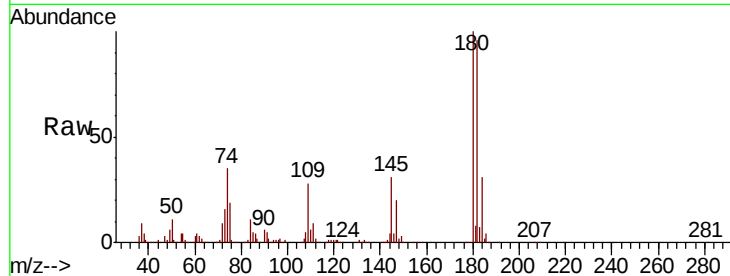




#93
 1,2,4-Trichlorobenzene
 Concen: 48.893 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW011442.D
 Acq: 23 Jul 2019 19:34

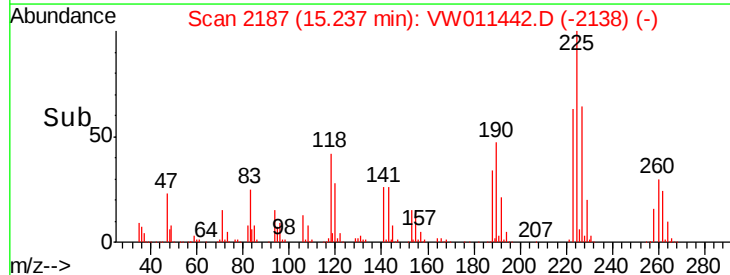
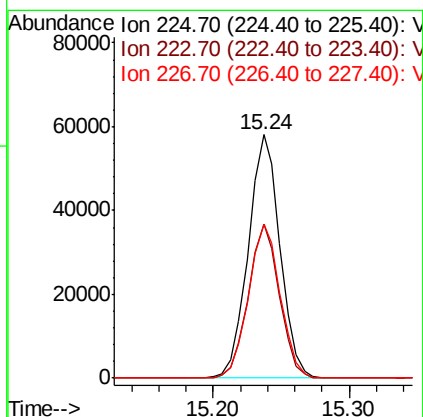
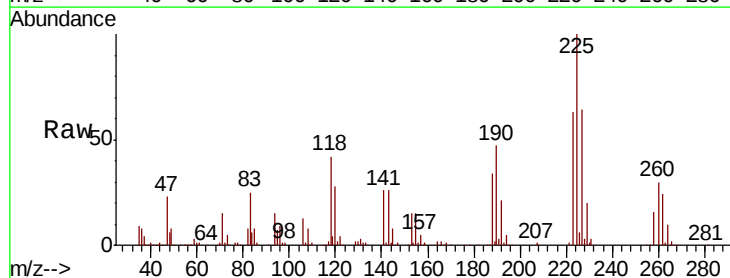
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

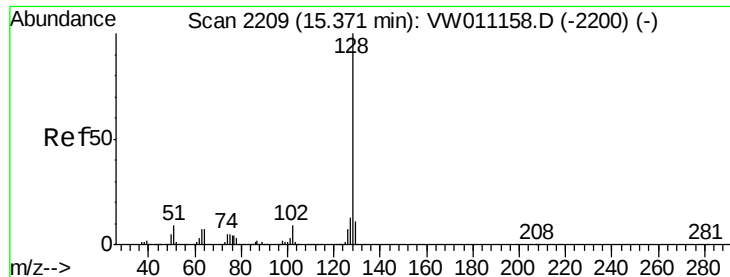
Tot Ion:180 Resp: 152426
 Ion Ratio Lower Upper
 180 100
 182 95.1 48.3 144.9
 145 30.0 15.5 46.5



#94
 Hexachlorobutadiene
 Concen: 49.399 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011442.D
 Acq: 23 Jul 2019 19:34

Tgt Ion:225 Resp: 94548
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.6 95.0
 227 63.2 32.0 96.0

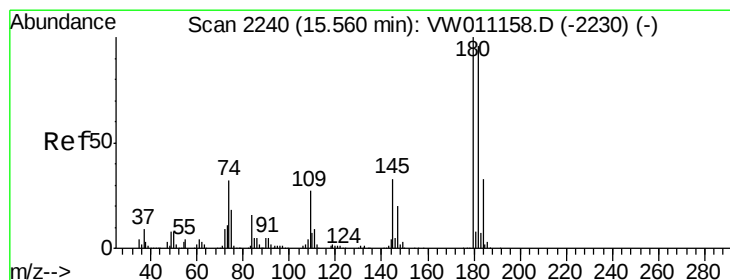
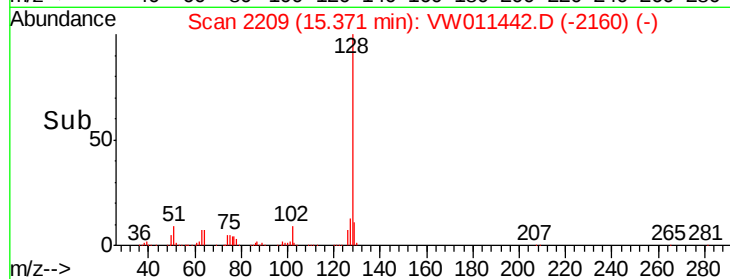
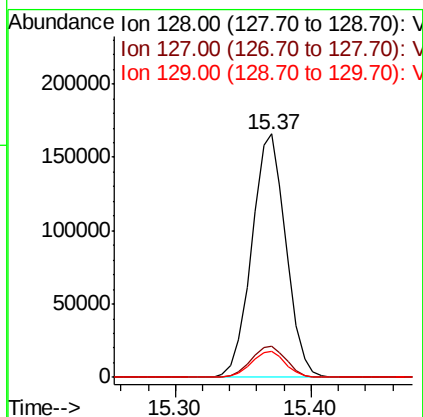
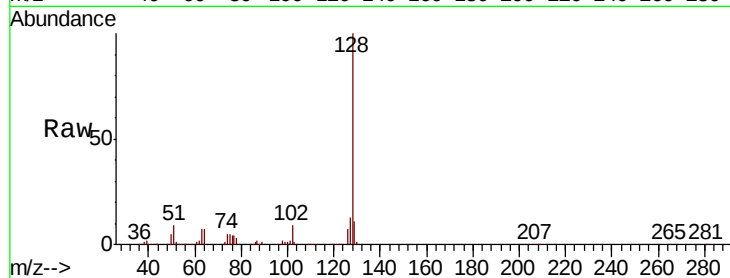




#95
Naphthalene
Concen: 48.805 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 291567
Ion Ratio Lower Upper
128 100
127 13.4 10.6 16.0
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 48.716 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Tgt Ion:180 Resp: 134037
Ion Ratio Lower Upper
180 100
182 95.8 47.6 142.8
145 32.1 16.5 49.5

