

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062819\
 Data File : VW011031.D
 Acq On : 27 Jun 2019 22:39
 Operator : SY/VA
 Sample : VW0627SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 28 08:33:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:55:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.94	168	203658	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	353381	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	321797	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	158466	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	148076	55.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.24%	
35) Dibromofluoromethane	7.88	113	110150	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
50) Toluene-d8	10.32	98	449190	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
62) 4-Bromofluorobenzene	12.62	95	166134	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	28589	18.622	ug/l	100
3) Chloromethane	2.20	50	39477	19.181	ug/l	98
4) Vinyl Chloride	2.36	62	47223	17.622	ug/l	100
5) Bromomethane	2.76	94	26077	19.550	ug/l	90
6) Chloroethane	2.91	64	25111	17.774	ug/l	98
7) Trichlorofluoromethane	3.24	101	12031	15.278	ug/l	95
8) Diethyl Ether	3.67	74	27597	22.128	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	39554	17.859	ug/l	99
10) Methyl Iodide	4.26	142	59449	19.185	ug/l	100
11) Tert butyl alcohol	5.17	59	19791	102.352	ug/l #	85
12) 1,1-Dichloroethene	4.04	96	40093	17.391	ug/l	96
13) Acrolein	3.89	56	15714	104.215	ug/l	98
14) Allyl chloride	4.66	41	67066	18.075	ug/l	98
15) Acrylonitrile	5.36	53	65946	107.377	ug/l	100
16) Acetone	4.12	43	65765	101.198	ug/l	96
17) Carbon Disulfide	4.38	76	114341	17.483	ug/l	100
18) Methyl Acetate	4.66	43	42095	25.006	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	70915	21.733	ug/l	95
20) Methylene Chloride	4.91	84	53956	20.435	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	45117	18.992	ug/l	100
22) Diisopropyl ether	6.31	45	186471	20.884	ug/l	97
23) Vinyl Acetate	6.25	43	538473	97.876	ug/l	100
24) 1,1-Dichloroethane	6.21	63	92225	19.568	ug/l	99
25) 2-Butanone	7.17	43	102192	103.452	ug/l	99
26) 2,2-Dichloropropane	7.16	77	39483	16.135	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	51383	20.089	ug/l	97
28) Bromochloromethane	7.51	49	47766	21.771	ug/l	98
29) Tetrahydrofuran	7.52	42	68947	112.122	ug/l	99
30) Chloroform	7.67	83	85667	20.007	ug/l	99
31) Cyclohexane	7.95	56	91113	17.891	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	60354	18.863	ug/l	100
36) 1,1-Dichloropropene	8.08	75	66530	17.516	ug/l	100
37) Ethyl Acetate	7.25	43	45203	20.458	ug/l	98
38) Carbon Tetrachloride	8.06	117	53148	16.992	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:55:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	78782	16.854	ug/l	96
40) Benzene	8.32	78	197477	18.903	ug/l	99
41) Methacrylonitrile	7.48	41	27934	20.779	ug/l	99
42) 1,2-Dichloroethane	8.40	62	68392	19.967	ug/l	100
43) Isopropyl Acetate	8.42	43	85873	20.544	ug/l	99
44) Trichloroethene	9.09	130	46225	18.309	ug/l	94
45) 1,2-Dichloropropane	9.37	63	54910	19.356	ug/l	99
46) Dibromomethane	9.46	93	26375	19.879	ug/l	100
47) Bromodichloromethane	9.64	83	63601	19.362	ug/l	100
48) Methyl methacrylate	9.43	41	40474	19.970	ug/l	96
49) 1,4-Dioxane	9.44	88	8905	399.183	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	227307	103.308	ug/l	100
52) Toluene	10.38	92	120188	18.792	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	64029	18.714	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	76865	18.832	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	37615	20.067	ug/l	98
56) Ethyl methacrylate	10.65	69	56081	19.979	ug/l	97
57) 1,3-Dichloropropane	10.93	76	71531	20.061	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	155091	109.202	ug/l	100
59) 2-Hexanone	10.97	43	158432	103.252	ug/l	99
60) Dibromochloromethane	11.13	129	37203	18.927	ug/l	99
61) 1,2-Dibromoethane	11.23	107	35618	20.297	ug/l	98
64) Tetrachloroethene	10.86	164	46729	21.101	ug/l	96
65) Chlorobenzene	11.66	112	121377	18.426	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	42030	18.793	ug/l	99
67) Ethyl Benzene	11.73	91	228411	18.104	ug/l	100
68) m/p-Xylenes	11.84	106	167315	36.547	ug/l	99
69) o-Xylene	12.16	106	78625	18.439	ug/l	99
70) Styrene	12.18	104	139233	18.790	ug/l	99
71) Bromoform	12.35	173	20513	18.814	ug/l #	100
73) Isopropylbenzene	12.46	105	213289	17.967	ug/l	100
74) N-amyl acetate	12.27	43	78328	19.647	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	45609	19.565	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	59507	35.569	ug/l #	100
77) Bromobenzene	12.75	156	50005	19.164	ug/l	99
78) n-propylbenzene	12.80	91	263313	17.911	ug/l	99
79) 2-Chlorotoluene	12.89	91	155110	18.468	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	183606	18.248	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	11898	17.993	ug/l	90
82) 4-Chlorotoluene	12.99	91	165514	18.911	ug/l	99
83) tert-Butylbenzene	13.21	119	151774	18.089	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	188697	18.554	ug/l	99
85) sec-Butylbenzene	13.38	105	217481	17.842	ug/l	100
86) p-Isopropyltoluene	13.50	119	194326	17.716	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	96956	18.784	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	96830	18.793	ug/l	99
89) n-Butylbenzene	13.82	91	192844	17.298	ug/l	99
90) Hexachloroethane	14.10	117	32194	17.154	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	87800	18.939	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7599	19.180	ug/l	97

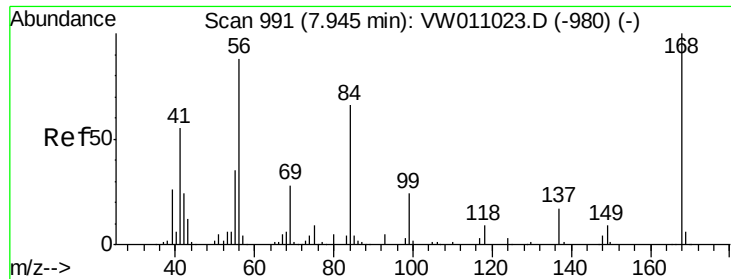
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062819\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	61372	18.816	ug/l	98
94) Hexachlorobutadiene	15.24	225	34871	17.627	ug/l	98
95) Naphthalene	15.37	128	122544	20.001	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	56881	19.530	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011031.D

Acq: 27 Jun 2019 22:39

Instrument :

MSVOA_W

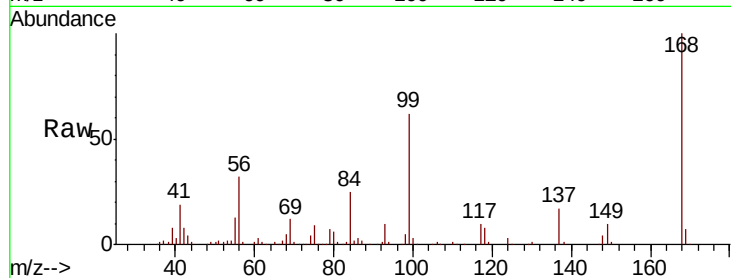
ClientSampleId :

Tot Ion:168 Resp: 203658

Ion Ratio Lower Upper

168 100

99 62.0 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.94

100000

80000

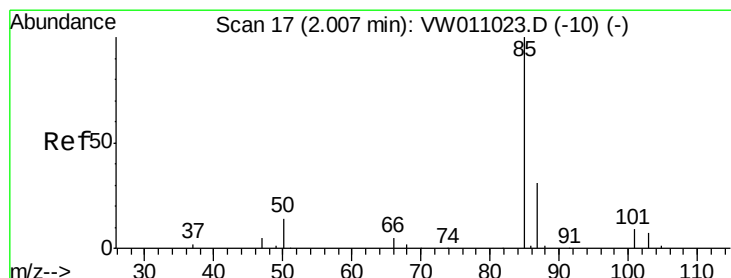
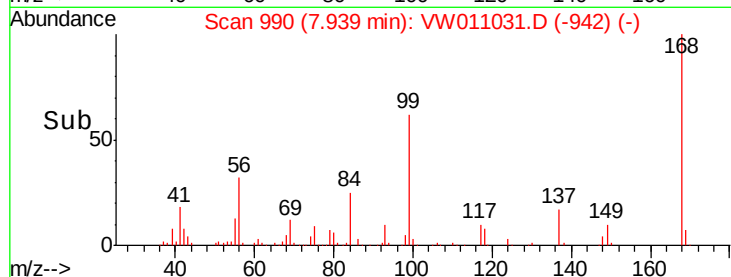
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 18.622 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW011031.D

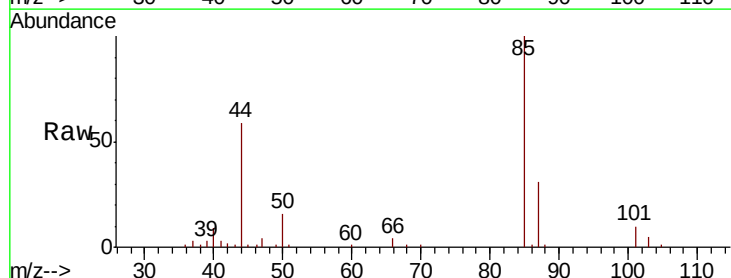
Acq: 27 Jun 2019 22:39

Tgt Ion: 85 Resp: 28589

Ion Ratio Lower Upper

85 100

87 31.2 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

12000

10000

8000

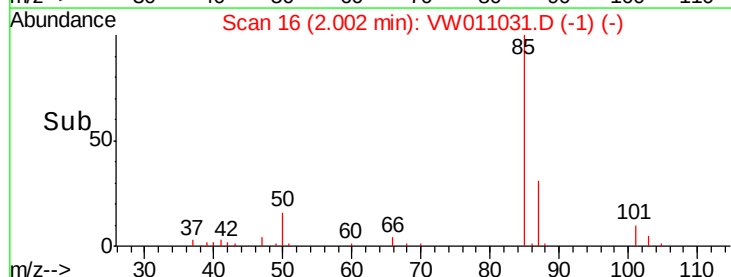
6000

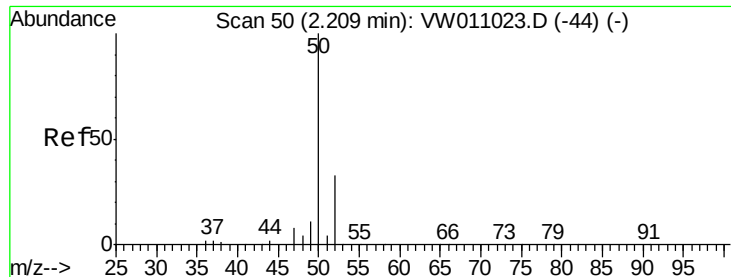
4000

2000

0

Time--> 1.90 2.00 2.10 2.20

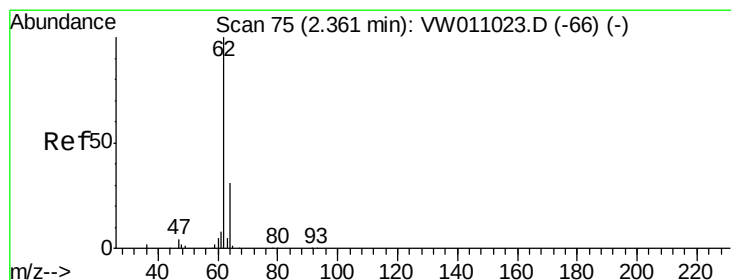
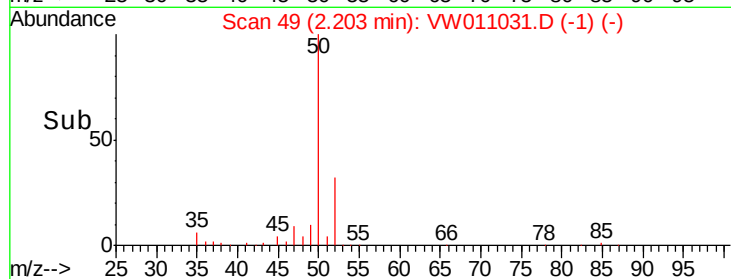
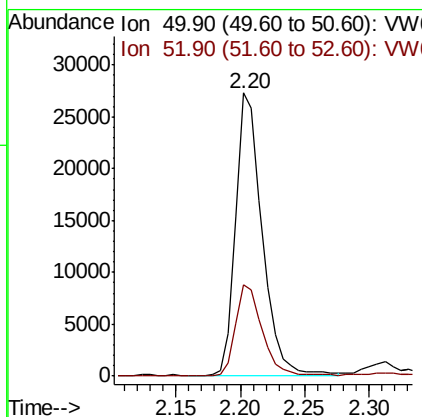
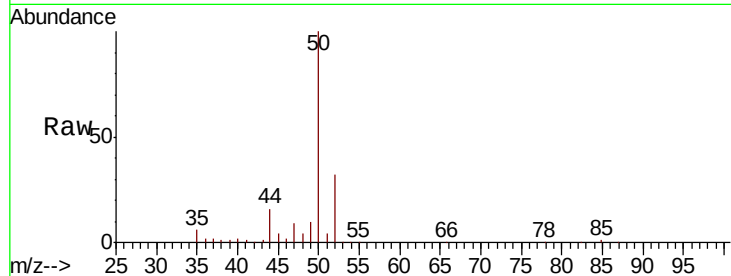




#3
Chloromethane
Concen: 19.181 ug/l
RT: 2.20 min Scan# 49
Delta R.T. -0.01 min
Lab File: VW011031.D
Acq: 27 Jun 2019 22:39

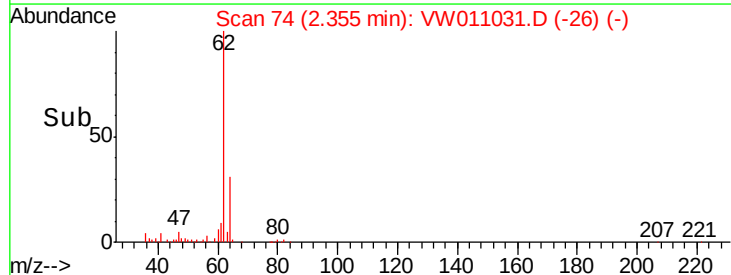
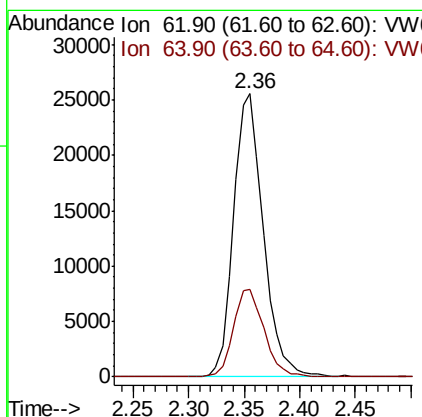
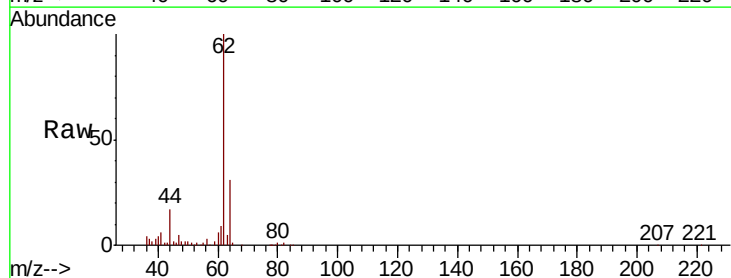
Instrument :
MSVOA_W
ClientSampleId :

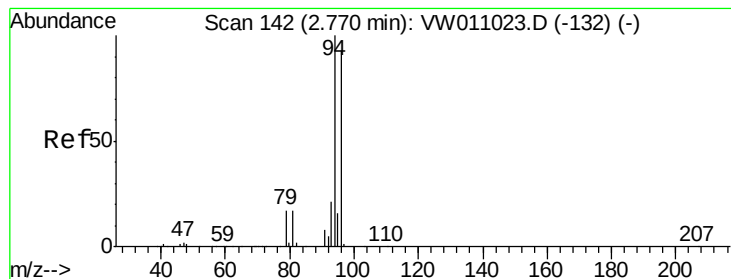
Tot Ion: 50 Resp: 39477
Ion Ratio Lower Upper
50 100
52 32.1 26.6 40.0



#4
Vinyl Chloride
Concen: 17.622 ug/l
RT: 2.36 min Scan# 74
Delta R.T. -0.01 min
Lab File: VW011031.D
Acq: 27 Jun 2019 22:39

Tgt Ion: 62 Resp: 47223
Ion Ratio Lower Upper
62 100
64 31.0 24.8 37.2





#5

Bromomethane

Concen: 19.550 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW011031.D

Acq: 27 Jun 2019 22:39

Instrument :

MSVOA_W

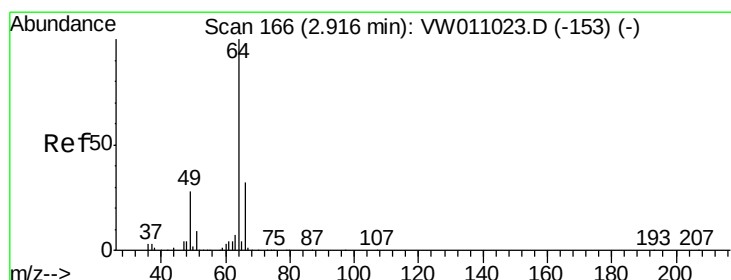
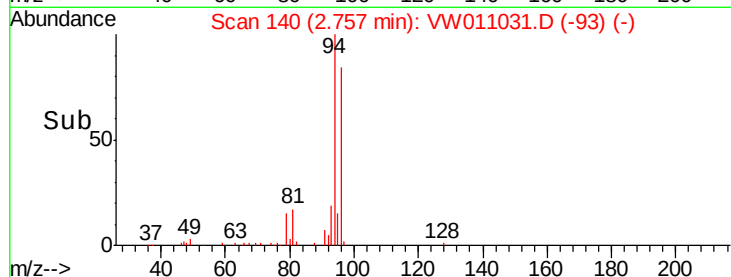
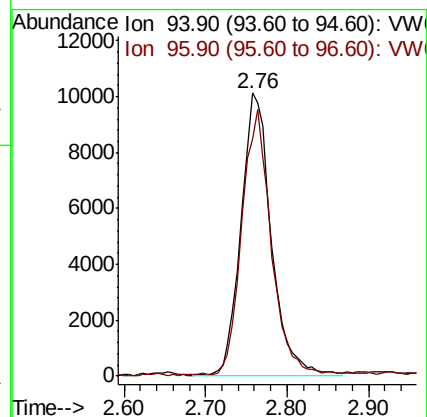
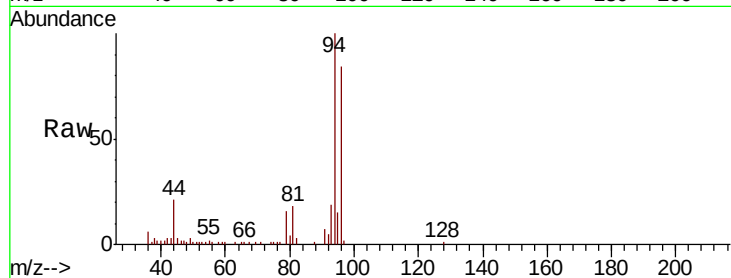
ClientSampleId :

Tot Ion: 94 Resp: 26077

Ion Ratio Lower Upper

94 100

96 83.0 74.2 111.2



#6

Chloroethane

Concen: 17.774 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011031.D

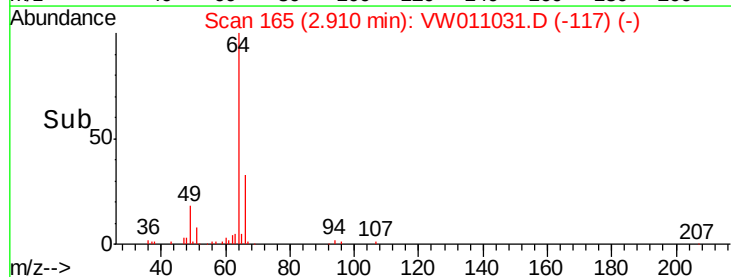
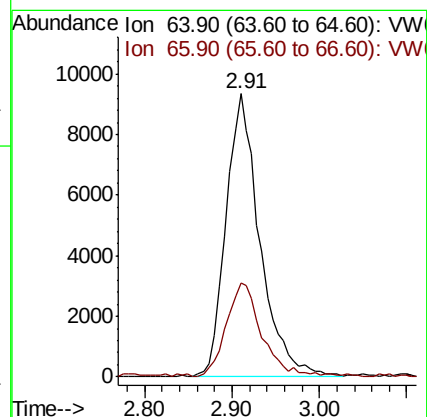
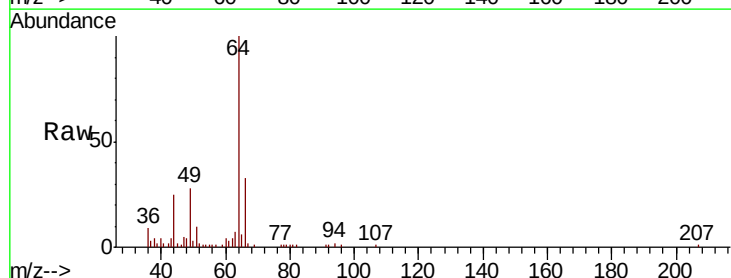
Acq: 27 Jun 2019 22:39

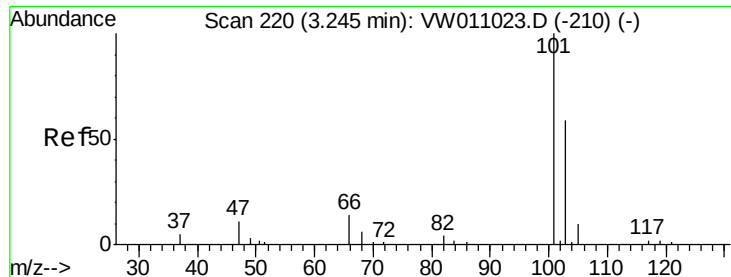
Tgt Ion: 64 Resp: 25111

Ion Ratio Lower Upper

64 100

66 33.0 25.7 38.5



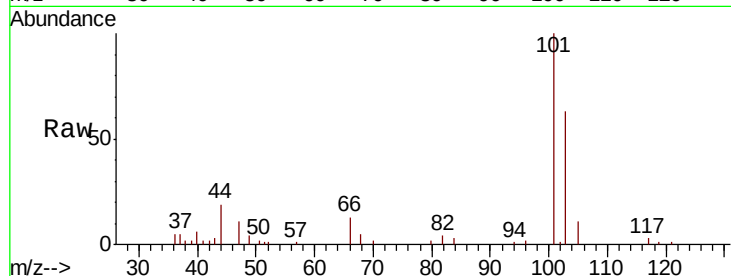


#7

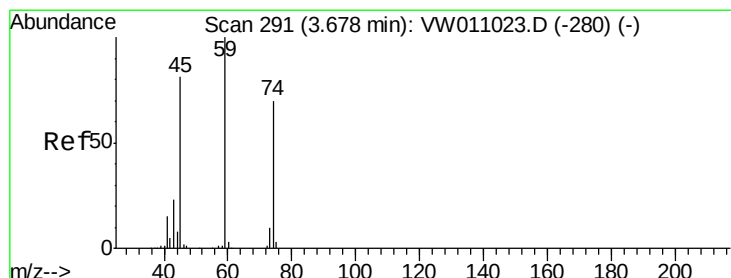
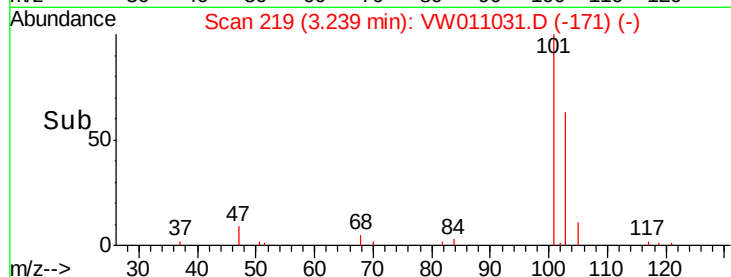
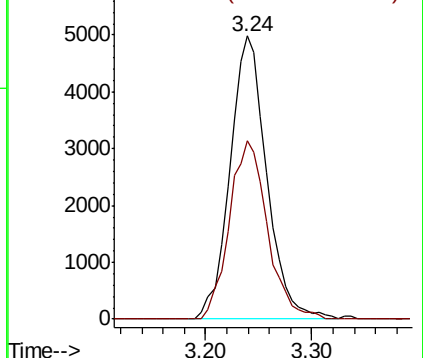
Trichlorofluoromethane
Concen: 15.278 ug/l
RT: 3.24 min Scan# 219
Delta R.T. -0.01 min
Lab File: VW011031.D
Acq: 27 Jun 2019 22:39

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:101 Resp: 12031
Ion Ratio Lower Upper
101 100
103 62.9 47.5 71.3



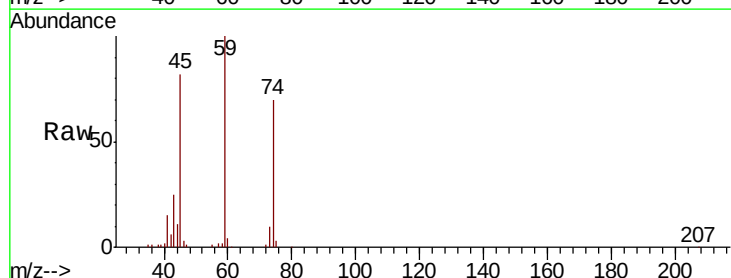
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



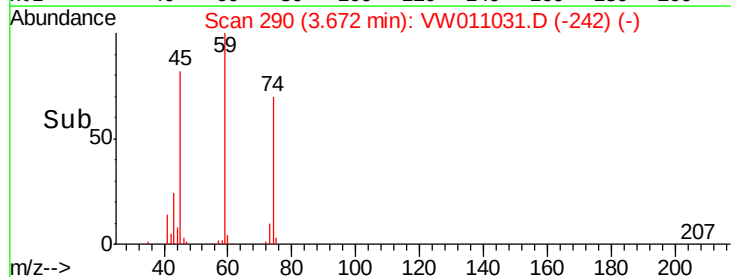
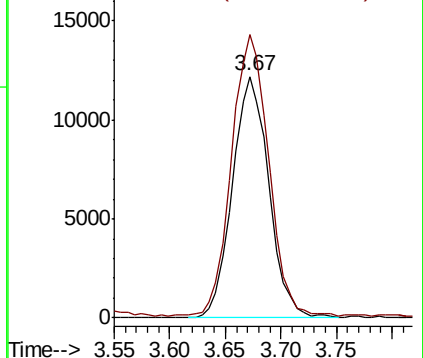
#8

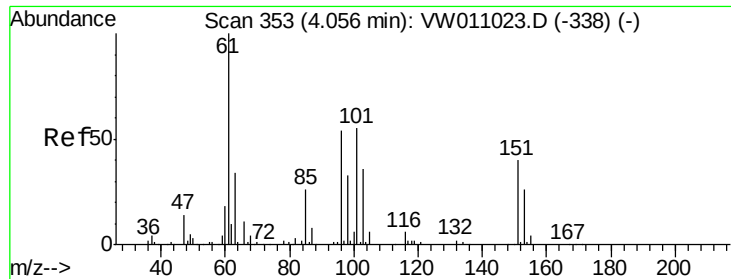
Diethyl Ether
Concen: 22.128 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW011031.D
Acq: 27 Jun 2019 22:39

Tgt Ion: 74 Resp: 27597
Ion Ratio Lower Upper
74 100
45 118.9 59.5 178.5



Abundance Ion 74.00 (73.70 to 74.70): VW
Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.859 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW011031.D

Acq: 27 Jun 2019 22:39

Instrument :

MSVOA_W

ClientSampleId :

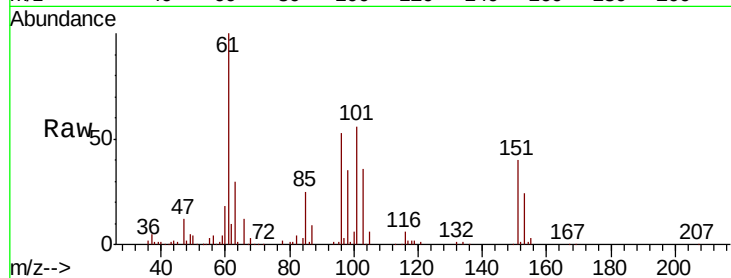
Tot Ion:101 Resp: 39554

Ion Ratio Lower Upper

101 100

85 46.5 36.6 55.0

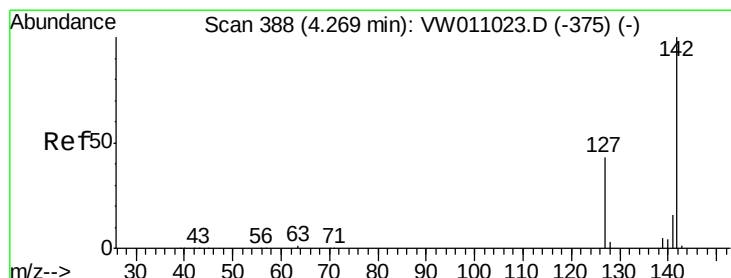
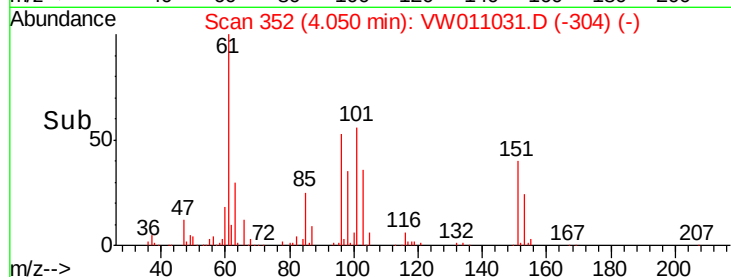
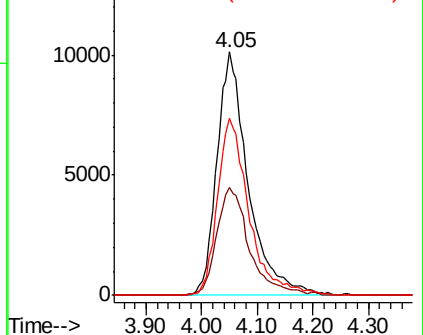
151 73.0 58.9 88.3



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: 19.185 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW011031.D

Acq: 27 Jun 2019 22:39

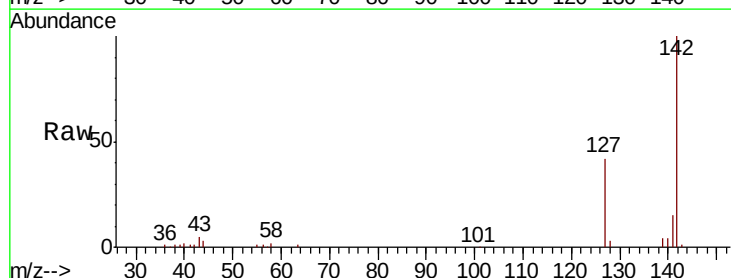
Tgt Ion:142 Resp: 59449

Ion Ratio Lower Upper

142 100

127 45.0 35.8 53.8

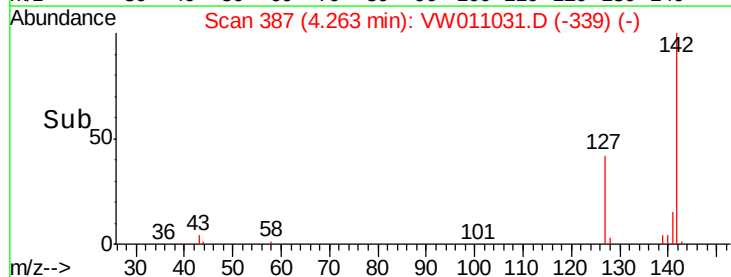
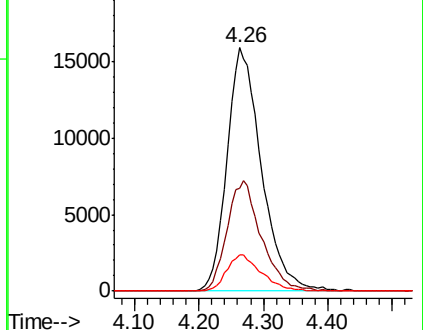
141 14.9 12.2 18.2

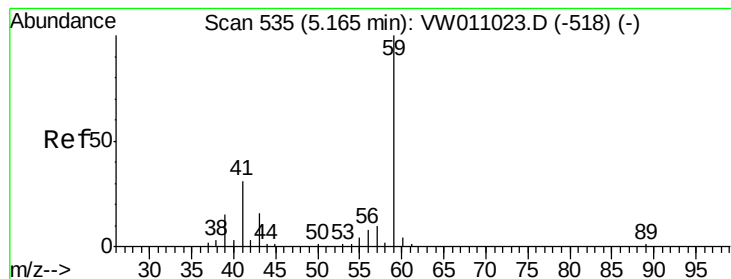


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



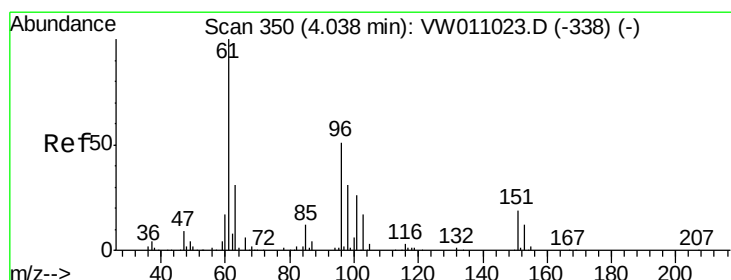
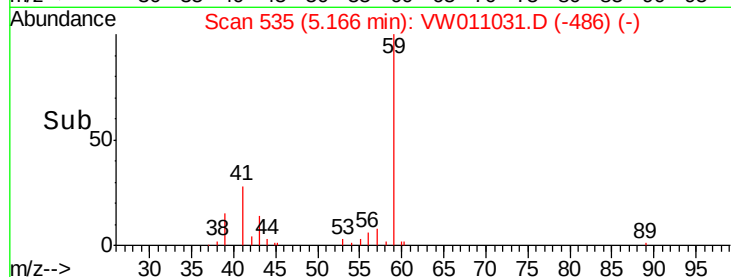
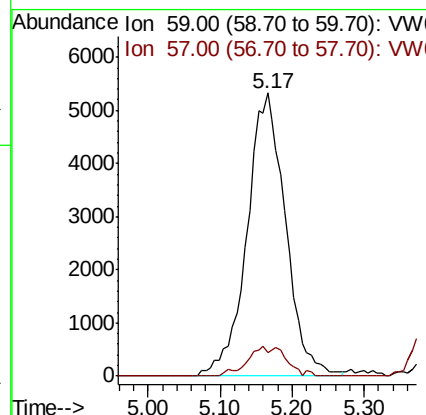
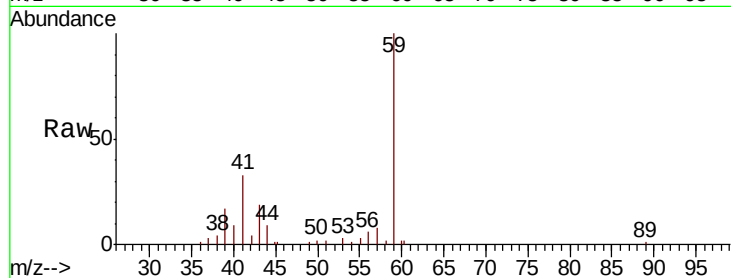


#11

Tert butyl alcohol
Concen: 102.352 ug/l
RT: 5.17 min Scan# 535
Delta R.T. 0.00 min
Lab File: VW011031.D
Acq: 27 Jun 2019 22:39

Instrument :
MSVOA_W
ClientSampled :

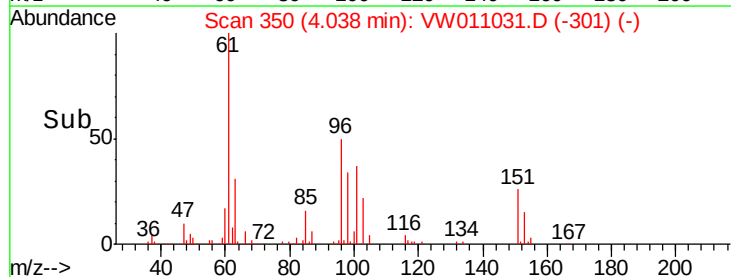
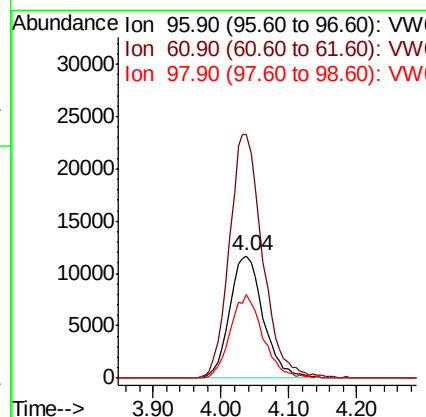
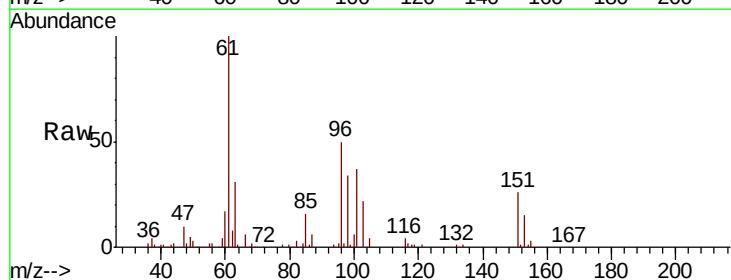
Tot Ion: 59 Resp: 19791
Ion Ratio Lower Upper
59 100
57 5.7 9.0 13.4#

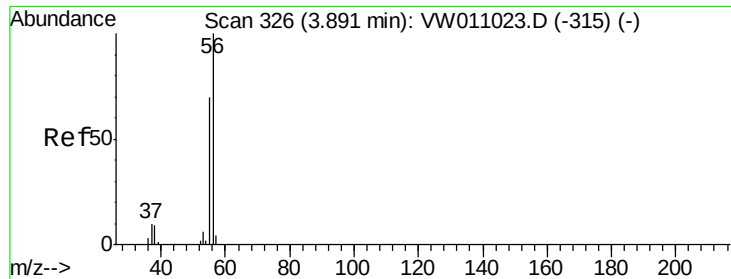


#12

1,1-Dichloroethene
Concen: 17.391 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW011031.D
Acq: 27 Jun 2019 22:39

Tgt Ion: 96 Resp: 40093
Ion Ratio Lower Upper
96 100
61 198.6 156.0 234.0
98 68.3 48.7 73.1





#13

Acrolein

Concen: 104.215 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW011031.D

Acq: 27 Jun 2019 22:39

Instrument :

MSVOA_W

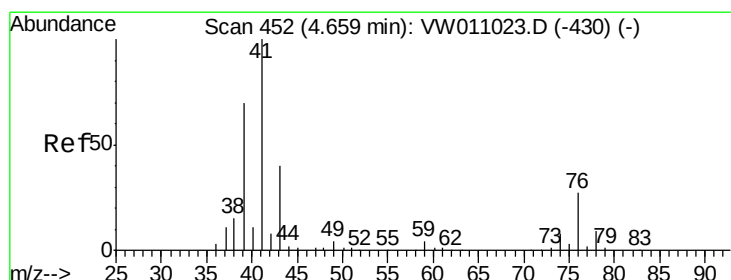
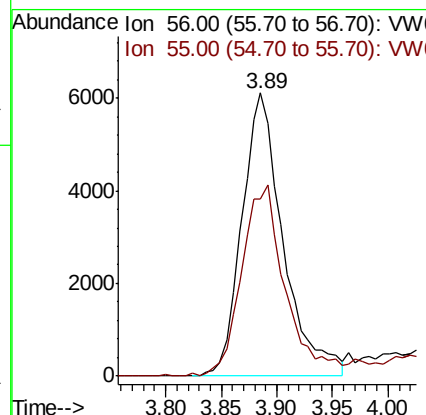
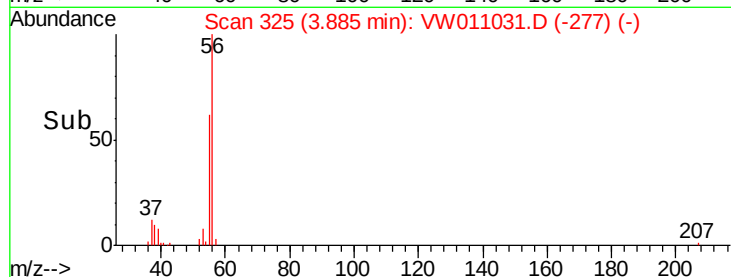
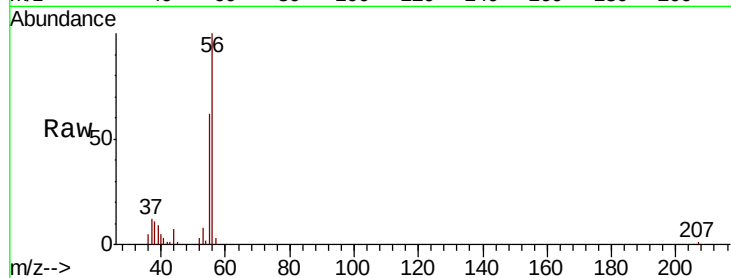
ClientSampleId :

Tot Ion: 56 Resp: 15714

Ion Ratio Lower Upper

56 100

55 71.3 55.7 83.5



#14

Allyl chloride

Concen: 18.075 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW011031.D

Acq: 27 Jun 2019 22:39

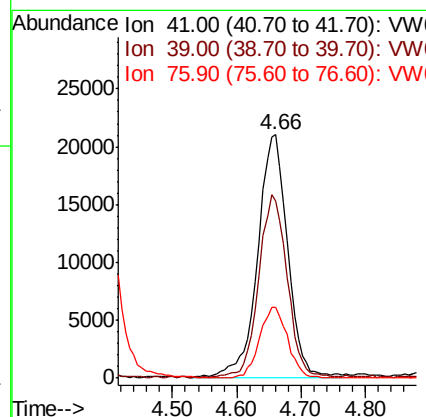
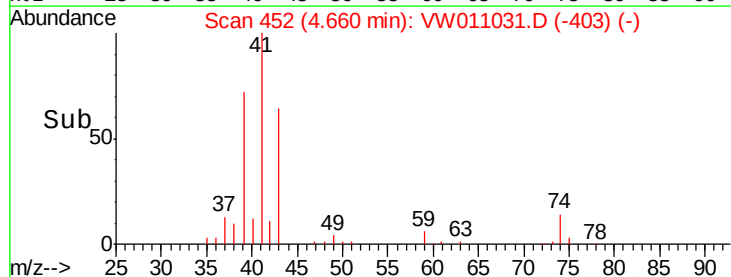
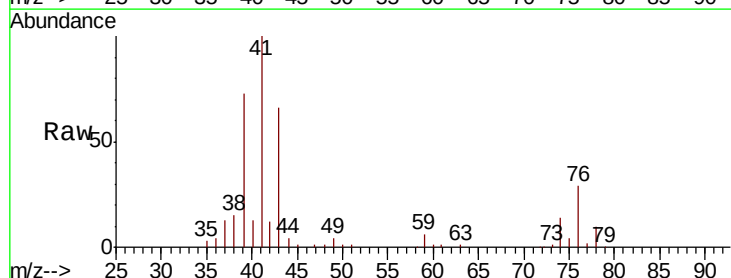
Tgt Ion: 41 Resp: 67066

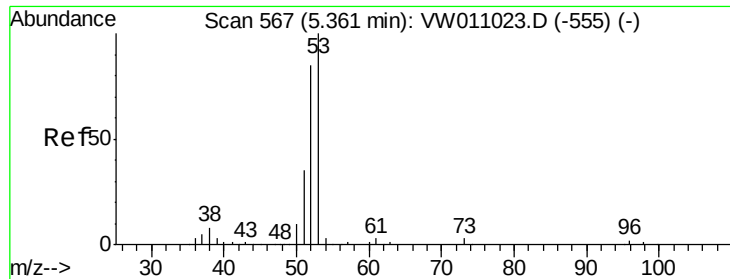
Ion Ratio Lower Upper

41 100

39 71.3 55.4 83.2

76 27.3 22.0 33.0





#15

Acrylonitrile

Concen: 107.377 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011031.D

Acq: 27 Jun 2019 22:39

Instrument :

MSVOA_W

ClientSampleId :

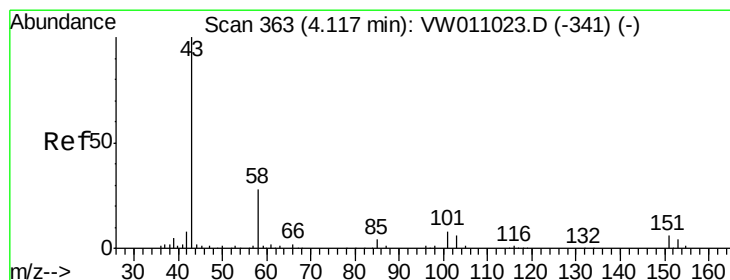
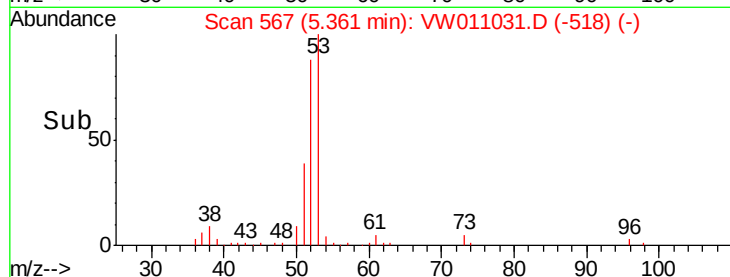
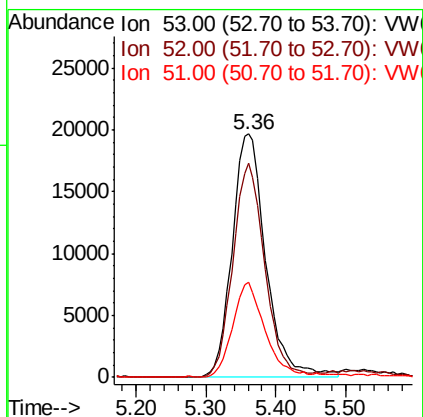
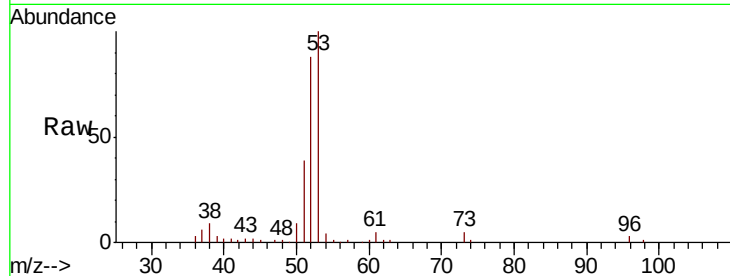
Tot Ion: 53 Resp: 65946

Ion Ratio Lower Upper

53 100

52 83.0 66.3 99.5

51 37.4 29.8 44.6



#16

Acetone

Concen: 101.198 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011031.D

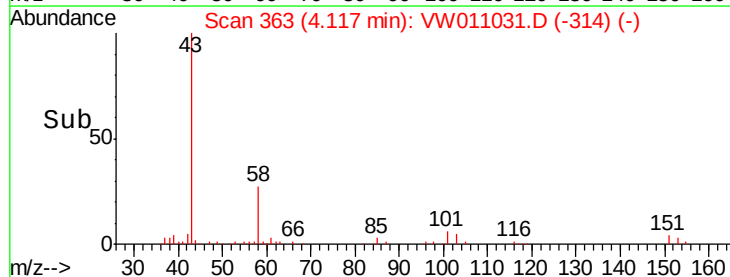
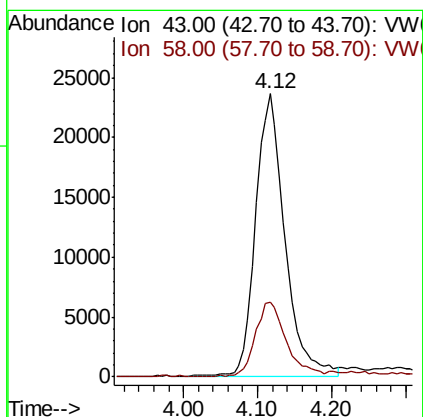
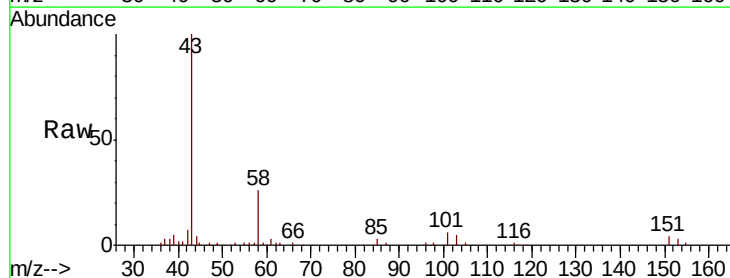
Acq: 27 Jun 2019 22:39

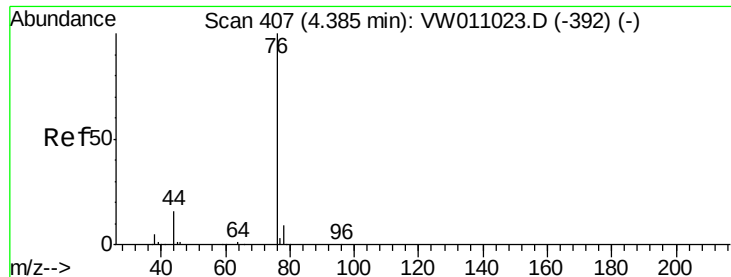
Tgt Ion: 43 Resp: 65765

Ion Ratio Lower Upper

43 100

58 25.9 22.5 33.7





#17

Carbon Disulfide

Concen: 17.483 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011031.D

Acq: 27 Jun 2019 22:39

Instrument :

MSVOA_W

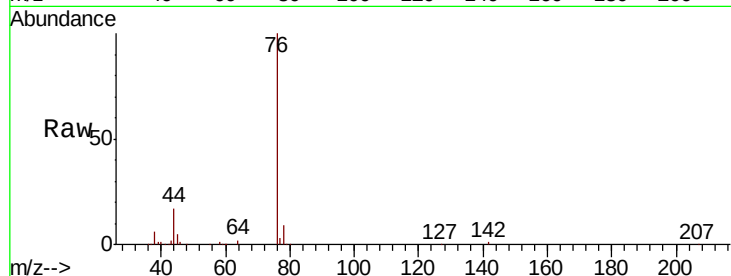
ClientSampleId :

Tot Ion: 76 Resp: 114341

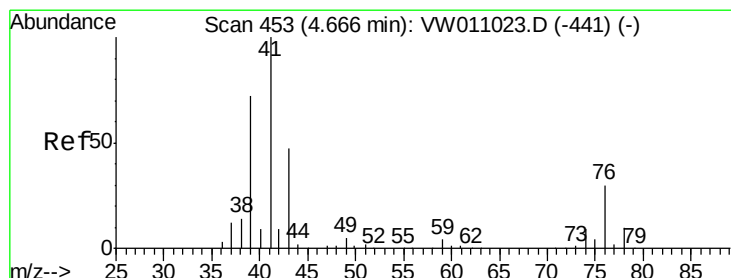
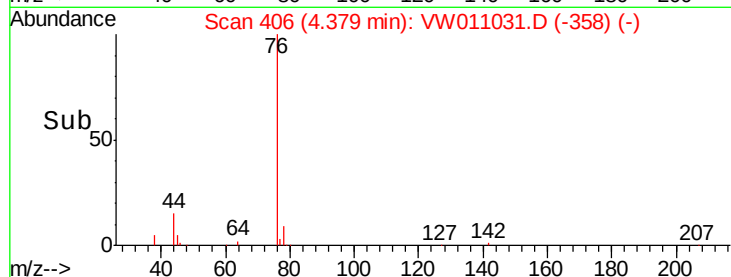
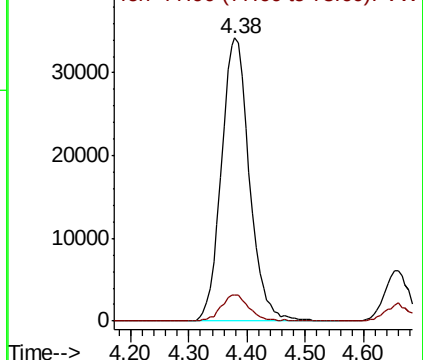
Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VW
Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 25.006 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011031.D

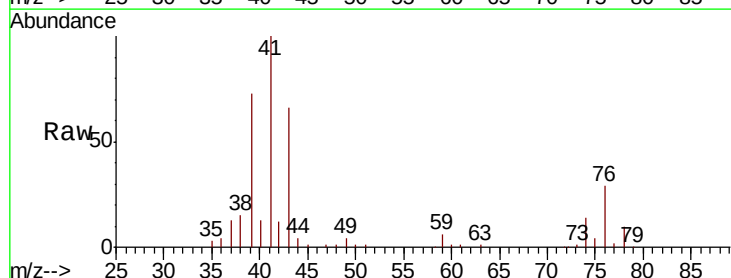
Acq: 27 Jun 2019 22:39

Tgt Ion: 43 Resp: 42095

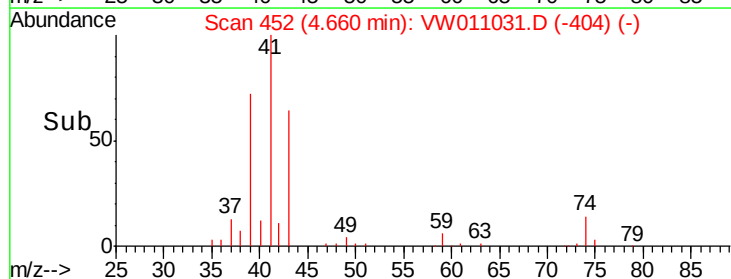
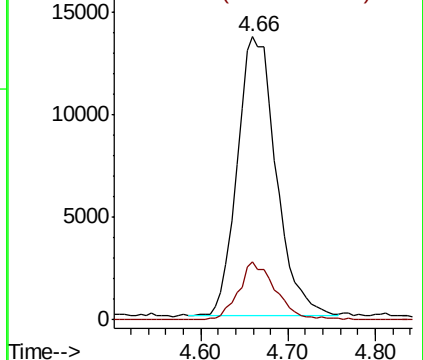
Ion Ratio Lower Upper

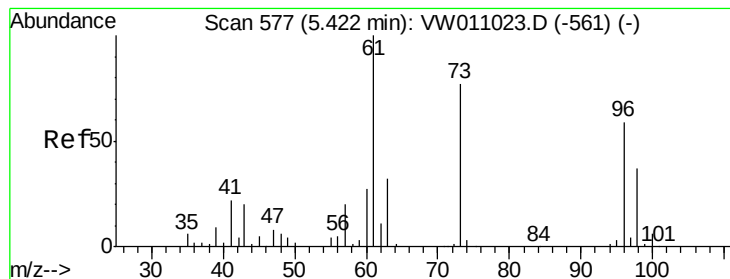
43 100

74 19.8 15.8 23.8



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 74.00 (73.70 to 74.70): VW



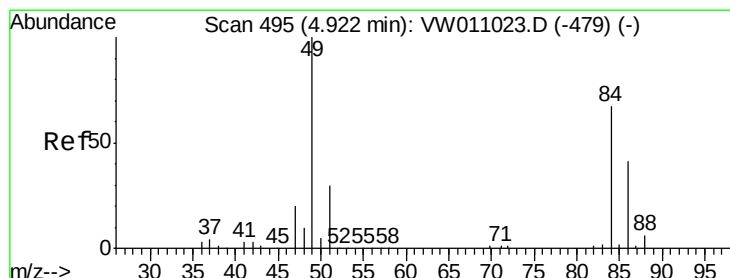
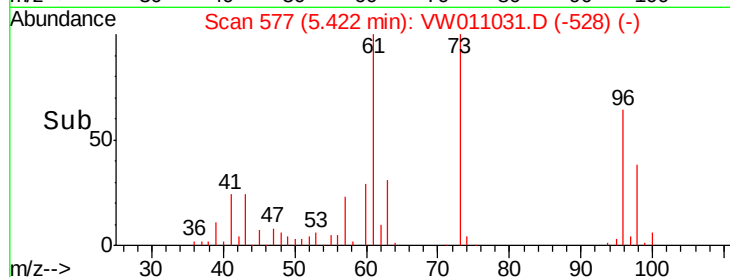
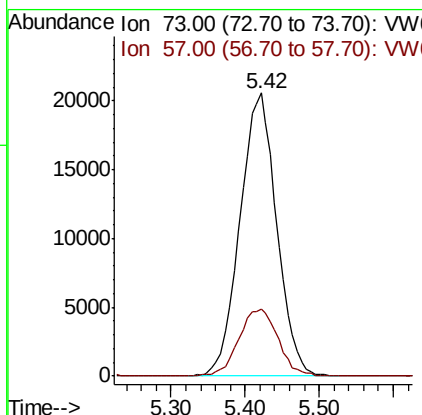
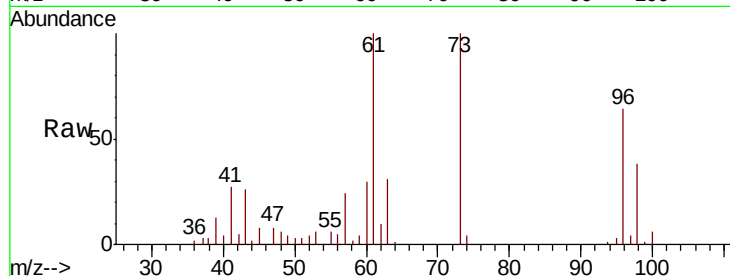


#19

Methyl tert-butyl Ether
 Concen: 21.733 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW011031.D
 Acq: 27 Jun 2019 22:39

Instrument :
 MSVOA_W
 ClientSampleId :

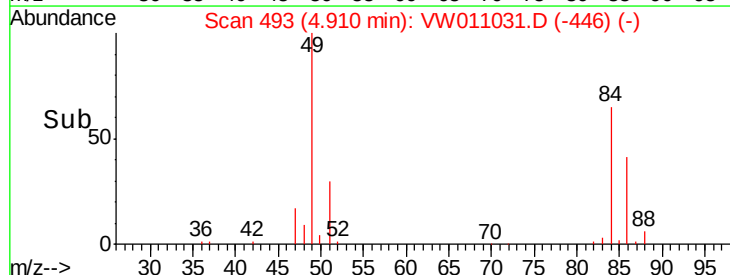
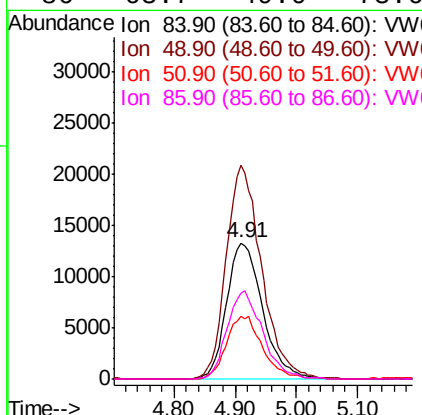
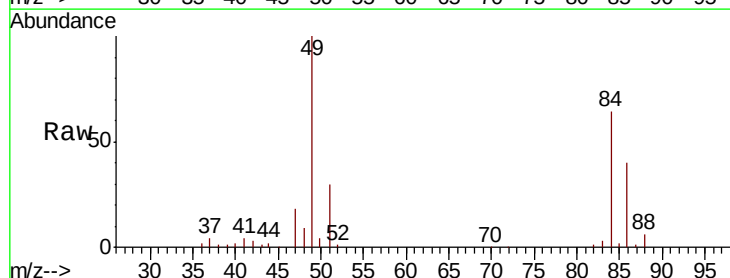
Tot Ion: 73 Resp: 70915
 Ion Ratio Lower Upper
 73 100
 57 23.5 20.8 31.2

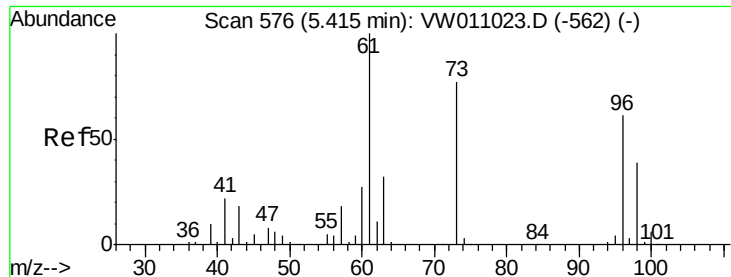


#20

Methylene Chloride
 Concen: 20.435 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW011031.D
 Acq: 27 Jun 2019 22:39

Tgt Ion: 84 Resp: 53956
 Ion Ratio Lower Upper
 84 100
 49 157.3 119.6 179.4
 51 46.7 35.6 53.4
 86 63.7 49.0 73.6





#21

trans-1,2-Dichloroethene

Concen: 18.992 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

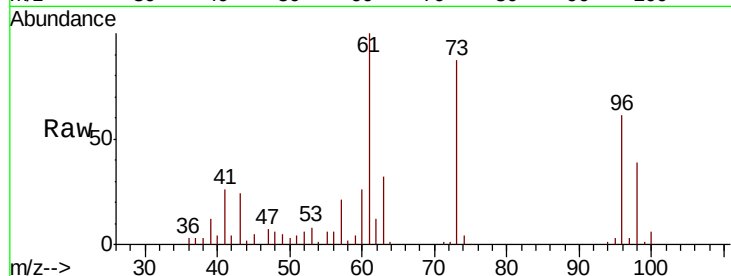
Lab File: VW011031.D

Acq: 27 Jun 2019 22:39

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 45117

Ion	Ratio	Lower	Upper
96	100		
61	163.6	131.0	196.4
98	63.8	50.8	76.2

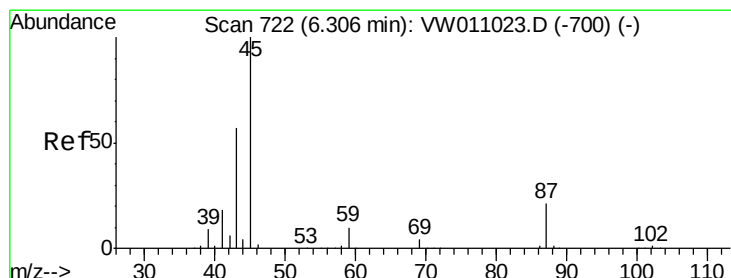
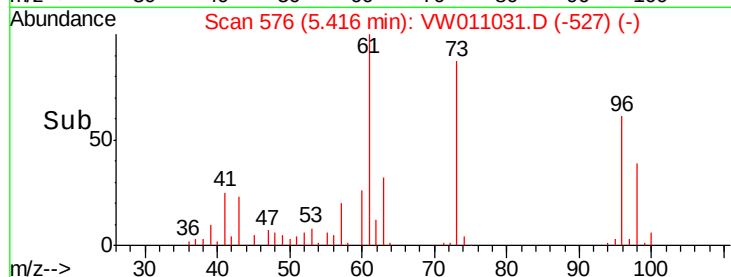
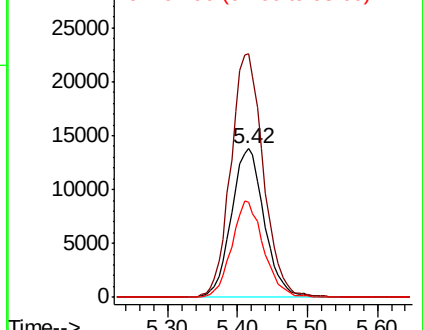


Abundance

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: 20.884 ug/l

RT: 6.31 min Scan# 722

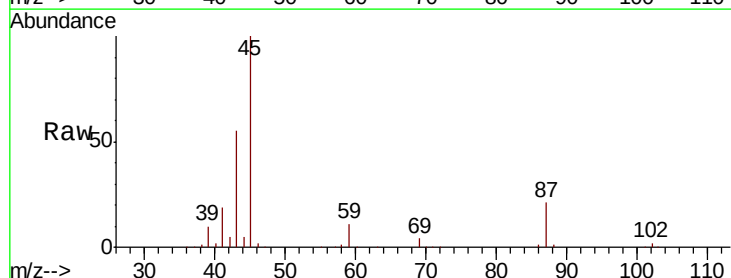
Delta R.T. 0.00 min

Lab File: VW011031.D

Acq: 27 Jun 2019 22:39

Tgt Ion: 45 Resp: 186471

Ion	Ratio	Lower	Upper
45	100		
43	54.5	45.8	68.6
87	21.1	17.1	25.7
59	10.8	8.2	12.4



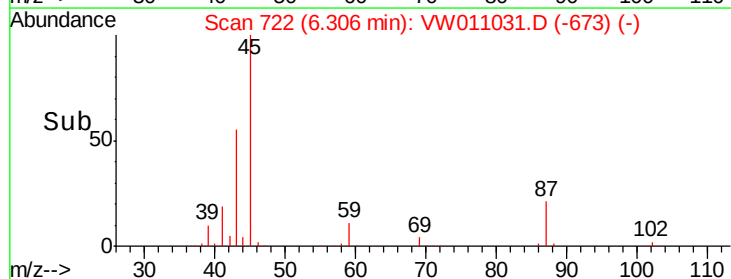
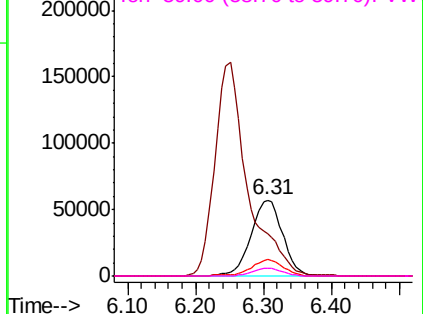
Abundance

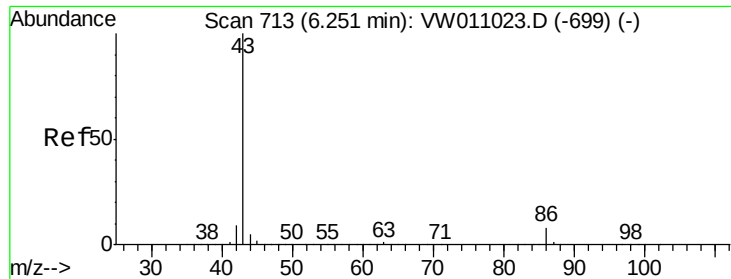
Ion 45.00 (44.70 to 45.70): VW

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: 97.876 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW011031.D

Acq: 27 Jun 2019 22:39

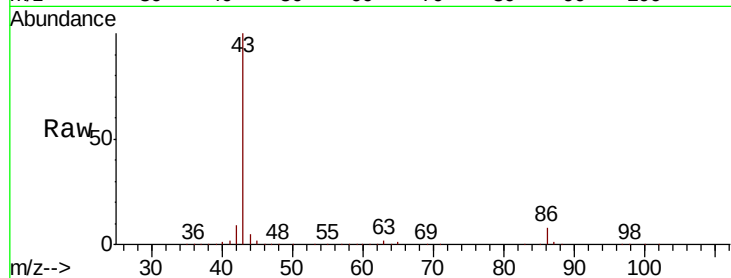
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 538473

Ion Ratio Lower Upper

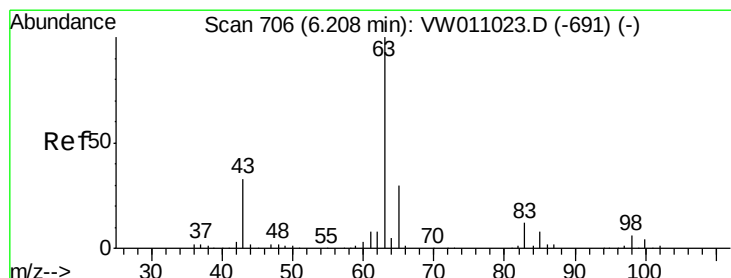
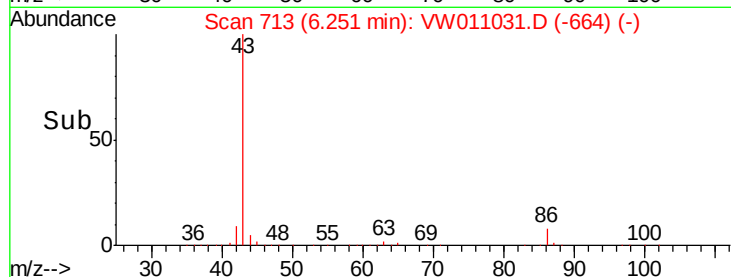
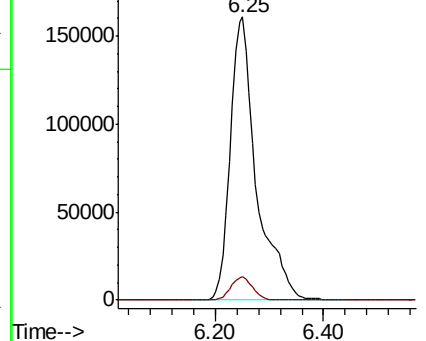
43 100

86 8.2 6.6 10.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 19.568 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011031.D

Acq: 27 Jun 2019 22:39

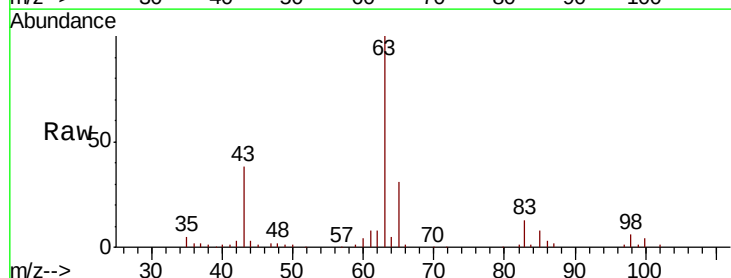
Tgt Ion: 63 Resp: 92225

Ion Ratio Lower Upper

63 100

98 5.7 3.1 9.4

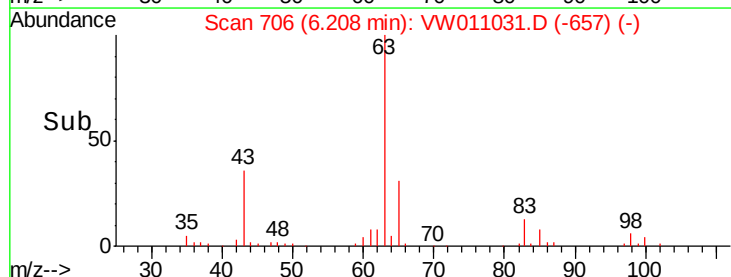
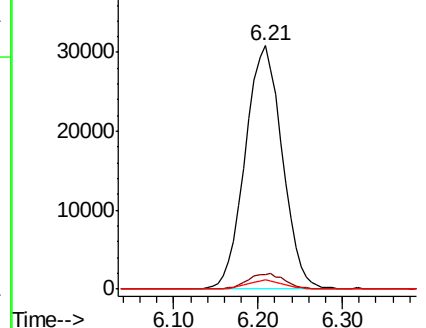
100 3.8 2.1 6.2

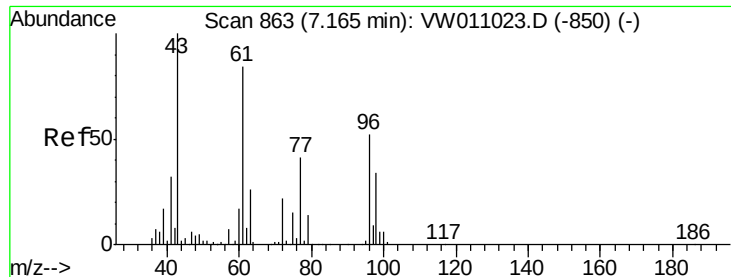


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

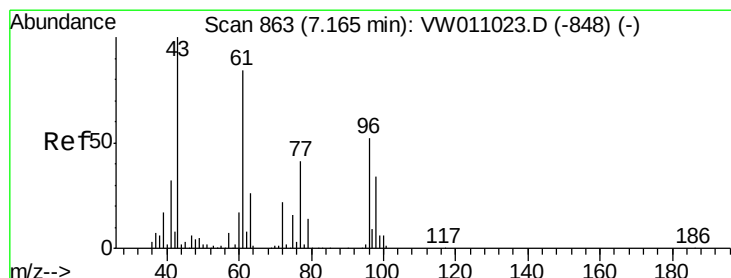
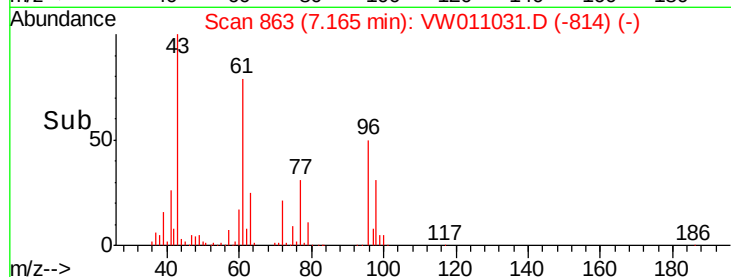
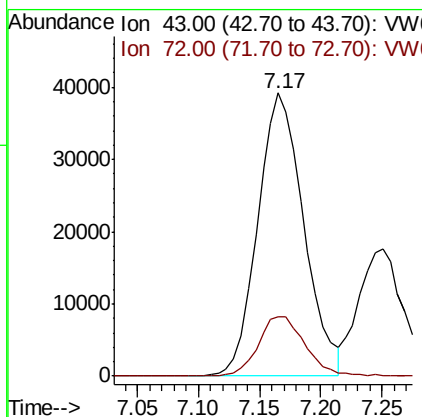
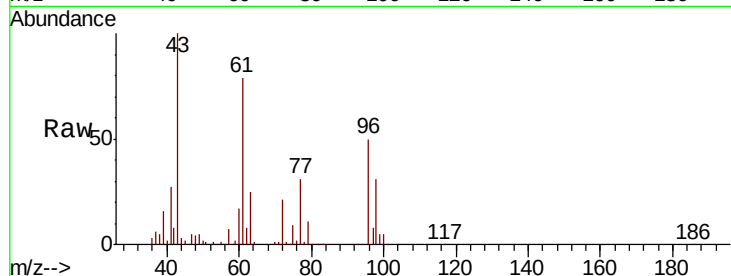




#25
2-Butanone
Concen: 103.452 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011031.D
Acq: 27 Jun 2019 22:39

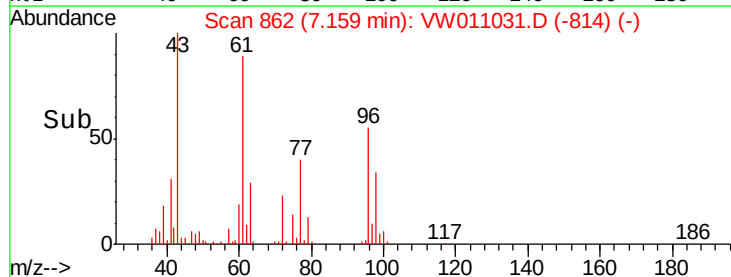
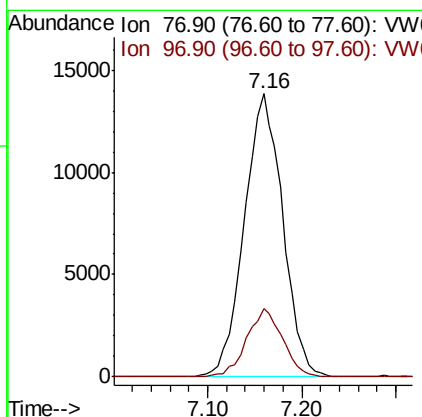
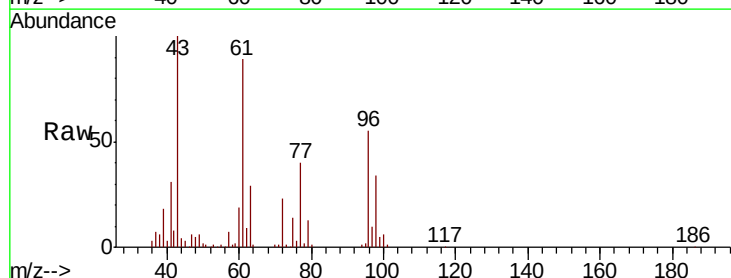
Instrument :
MSVOA_W
ClientSampled :

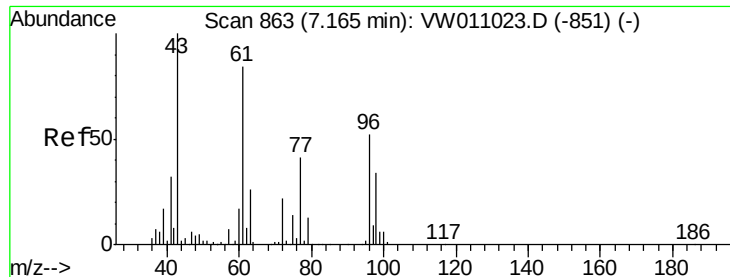
Tot Ion: 43 Resp: 102192
Ion Ratio Lower Upper
43 100
72 21.1 17.2 25.8



#26
2,2-Dichloropropane
Concen: 16.135 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW011031.D
Acq: 27 Jun 2019 22:39

Tgt Ion: 77 Resp: 39483
Ion Ratio Lower Upper
77 100
97 22.6 10.9 32.7



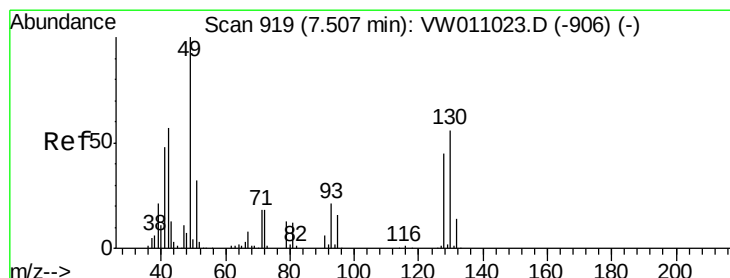
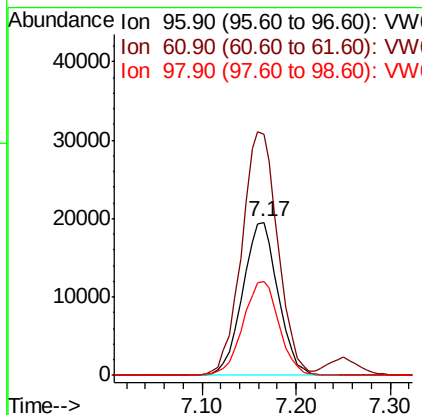
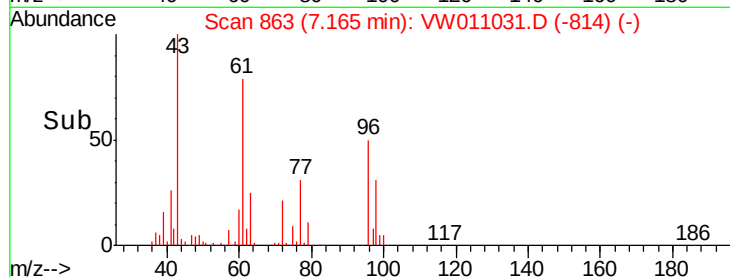
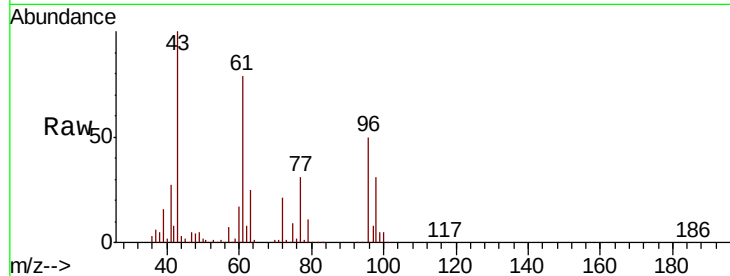


#27

cis-1,2-Dichloroethene
Concen: 20.089 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011031.D
Acq: 27 Jun 2019 22:39

Instrument :
MSVOA_W
ClientSampleId :

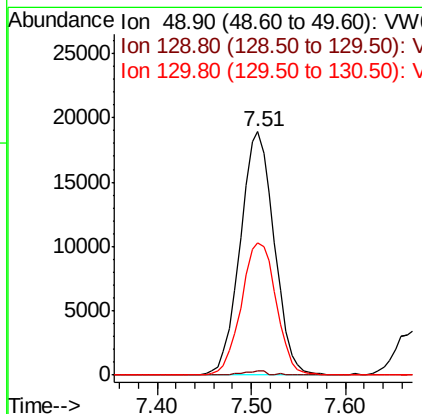
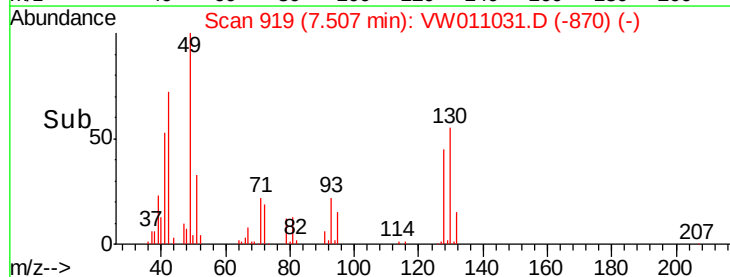
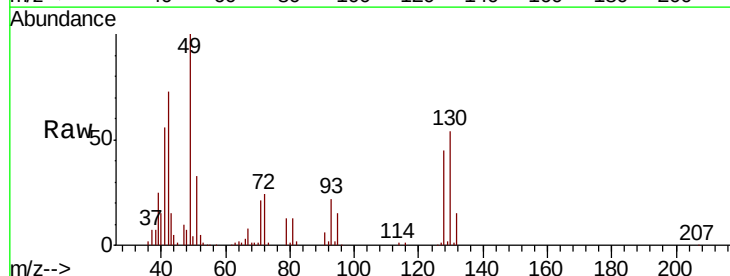
Tot Ion	96	Resp	51383
Ion	Ratio	Lower	Upper
96	100		
61	161.8	0.0	330.4
98	62.4	0.0	129.4

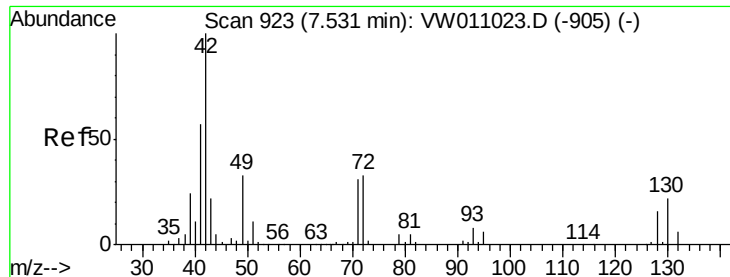


#28

Bromochloromethane
Concen: 21.771 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW011031.D
Acq: 27 Jun 2019 22:39

Tgt Ion	49	Resp	47766
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.4
130	56.0	46.1	69.1





#29

Tetrahydrofuran

Concen: 112.122 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW011031.D

Acq: 27 Jun 2019 22:39

Instrument :

MSVOA_W

ClientSampled :

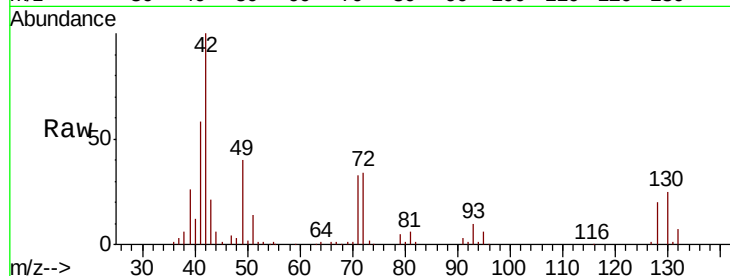
Tot Ion: 42 Resp: 68947

Ion Ratio Lower Upper

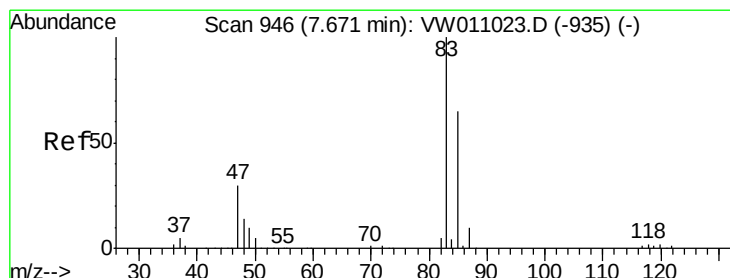
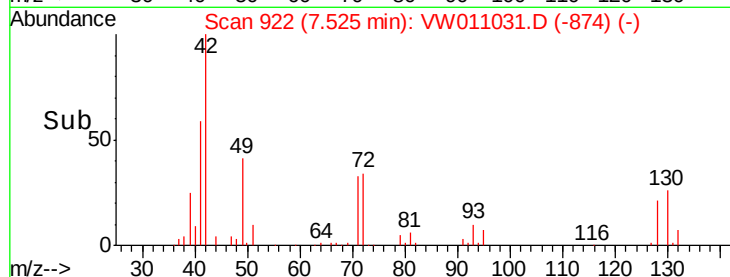
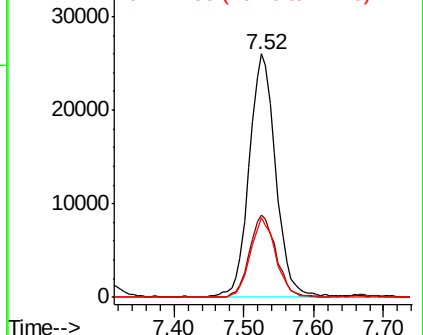
42 100

72 33.5 27.4 41.0

71 31.3 25.6 38.4



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



#30

Chloroform

Concen: 20.007 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW011031.D

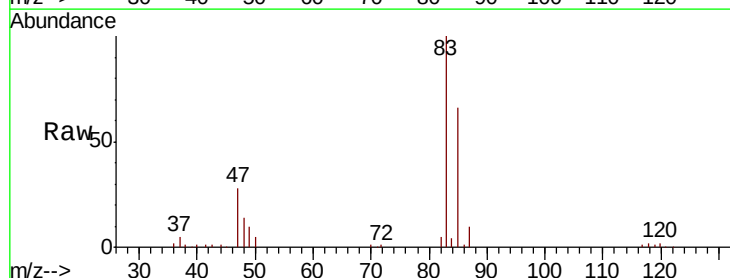
Acq: 27 Jun 2019 22:39

Tgt Ion: 83 Resp: 85667

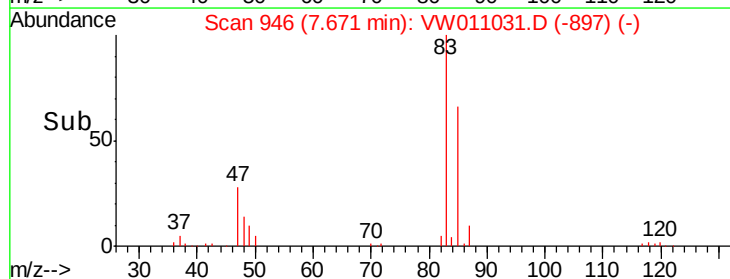
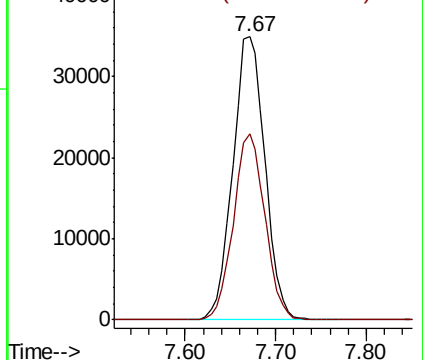
Ion Ratio Lower Upper

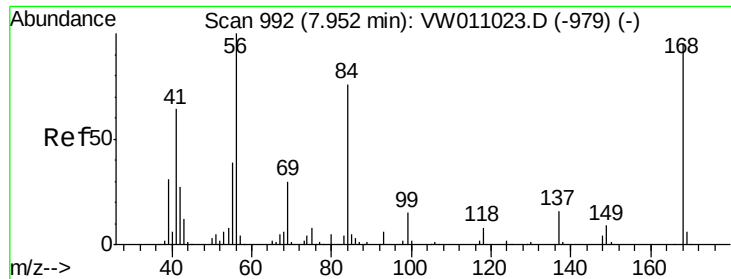
83 100

85 65.9 52.2 78.4



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

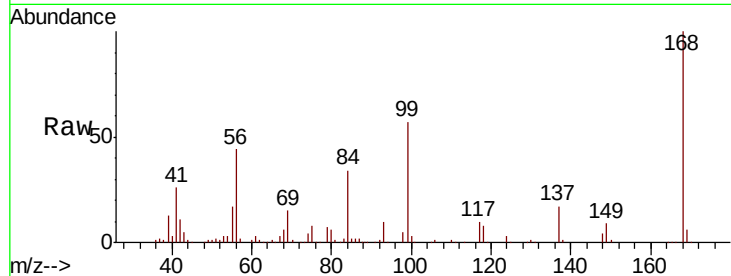




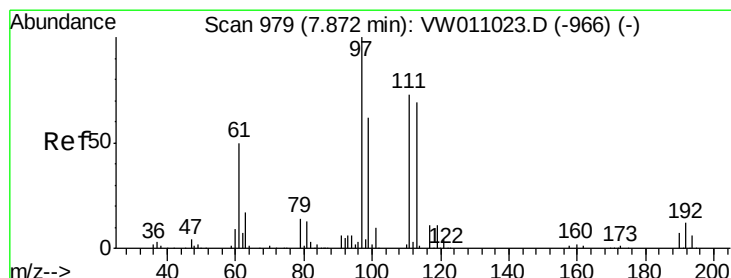
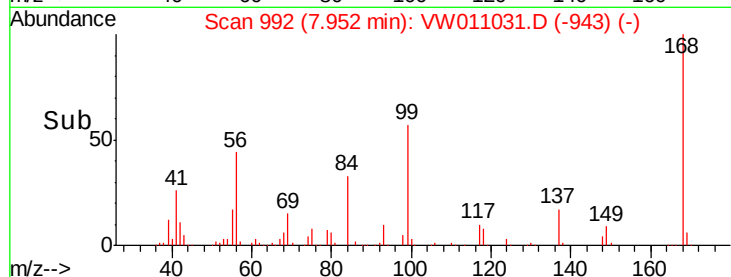
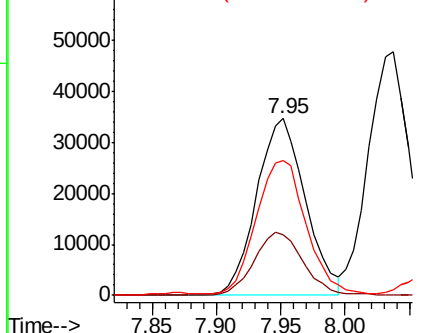
#31
Cyclohexane
Concen: 17.891 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW011031.D
Acq: 27 Jun 2019 22:39

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 91113
Ion Ratio Lower Upper
56 100
69 34.4 24.2 36.2
84 75.7 60.6 90.8

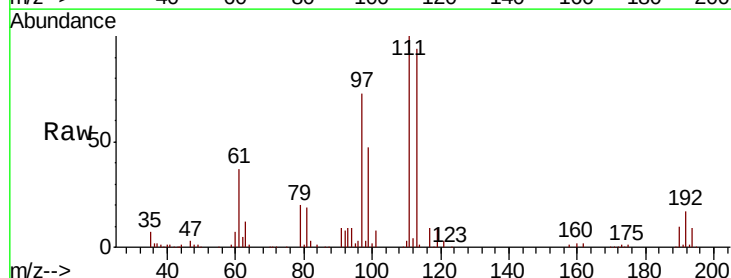


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

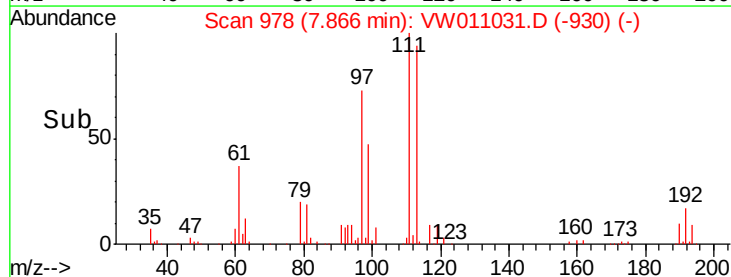
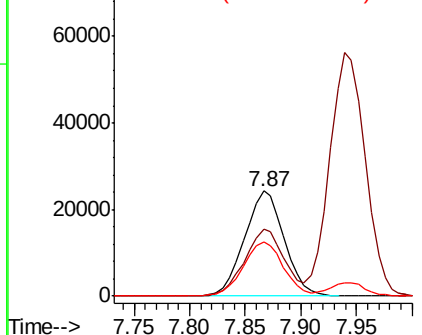


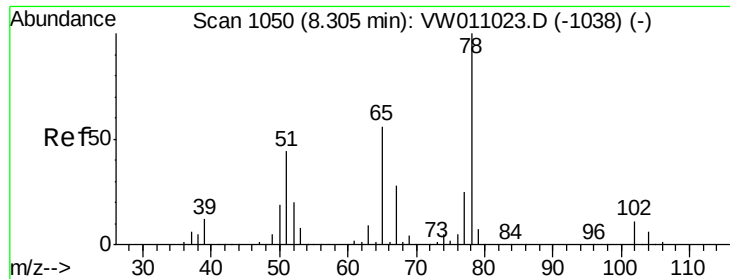
#32
1,1,1-Trichloroethane
Concen: 18.863 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW011031.D
Acq: 27 Jun 2019 22:39

Tgt Ion: 97 Resp: 60354
Ion Ratio Lower Upper
97 100
99 64.0 51.1 76.7
61 52.0 41.4 62.2



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: 55.618 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW011031.D

Acq: 27 Jun 2019 22:39

Instrument :

MSVOA_W

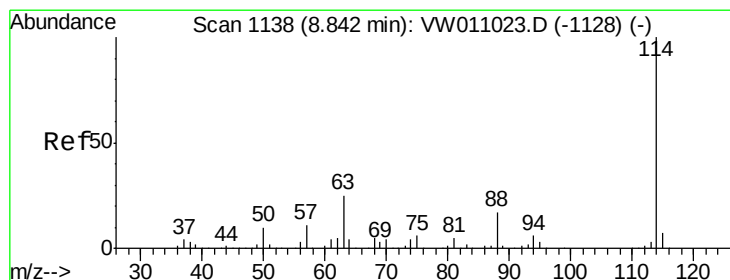
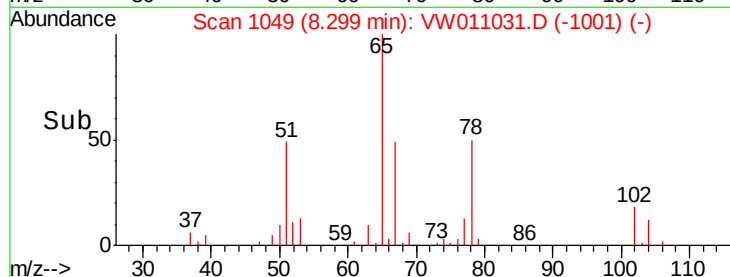
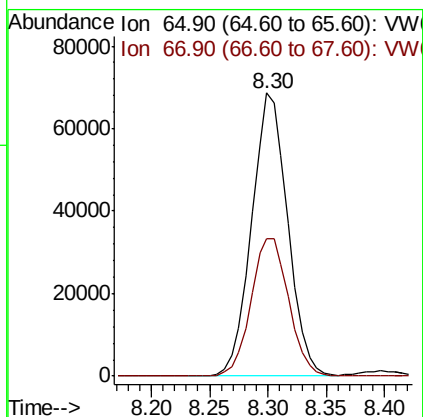
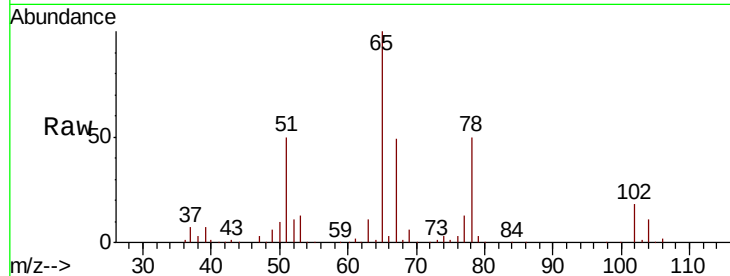
ClientSampled :

Tot Ion: 65 Resp: 148076

Ion Ratio Lower Upper

65 100

67 50.9 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW011031.D

Acq: 27 Jun 2019 22:39

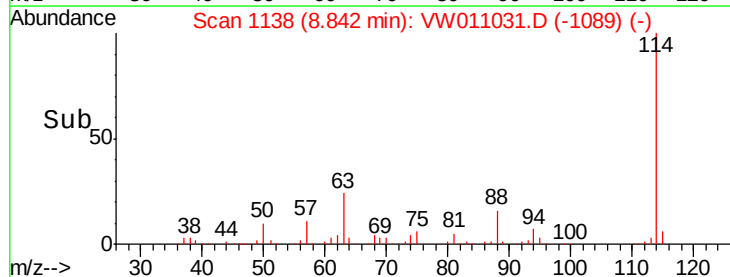
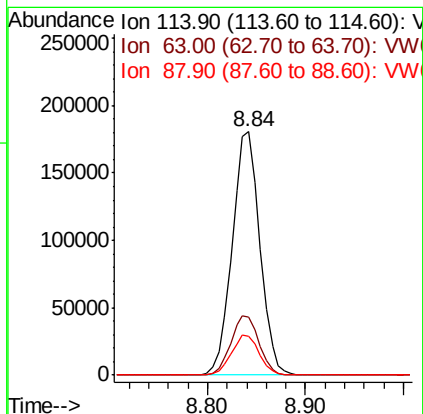
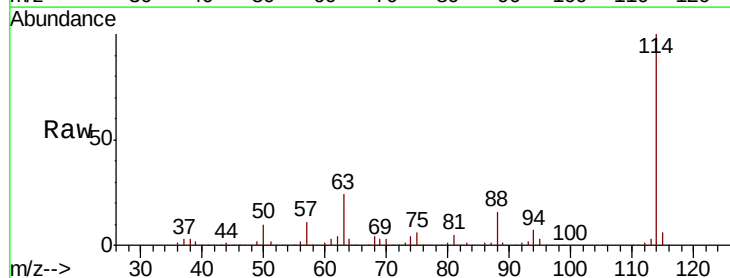
Tgt Ion: 114 Resp: 353381

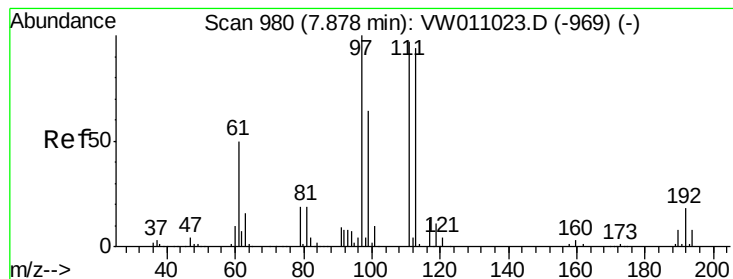
Ion Ratio Lower Upper

114 100

63 24.0 0.0 50.6

88 15.9 0.0 34.0





#35

Dibromofluoromethane

Concen: 51.045 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW011031.D

Acq: 27 Jun 2019 22:39

Instrument :

MSVOA_W

ClientSampleId :

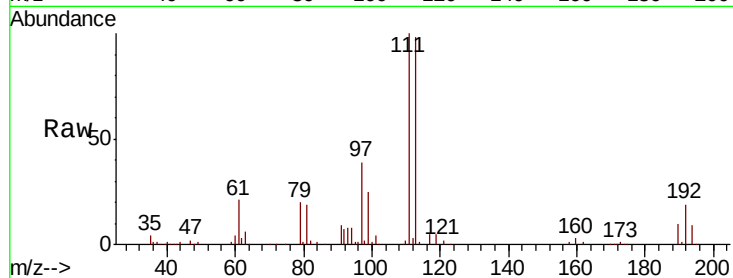
Tot Ion:113 Resp: 110150

Ion Ratio Lower Upper

113 100

111 104.3 83.8 125.6

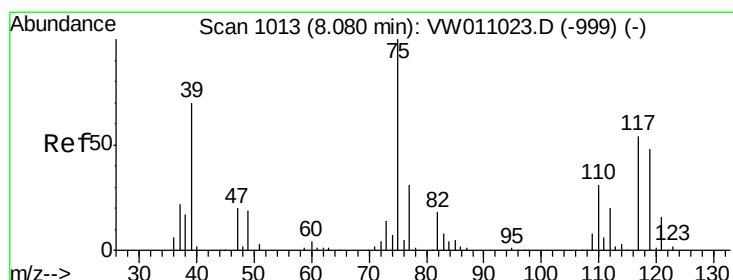
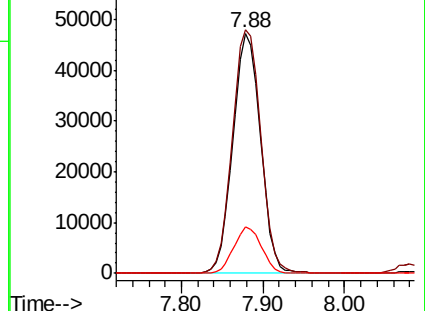
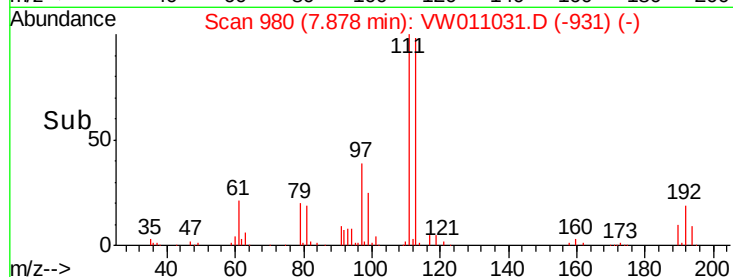
192 19.3 16.0 24.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 17.516 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW011031.D

Acq: 27 Jun 2019 22:39

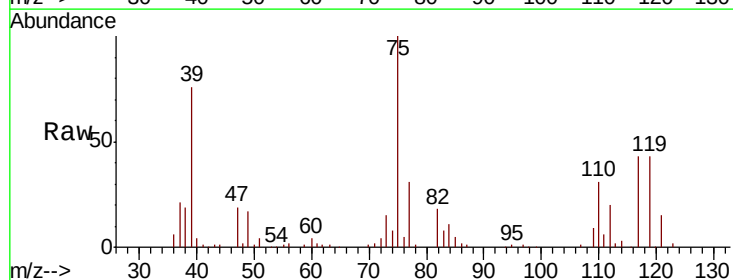
Tgt Ion: 75 Resp: 66530

Ion Ratio Lower Upper

75 100

110 31.1 15.5 46.5

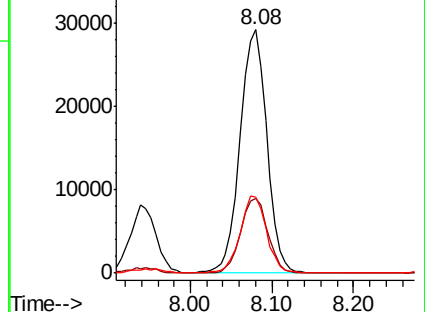
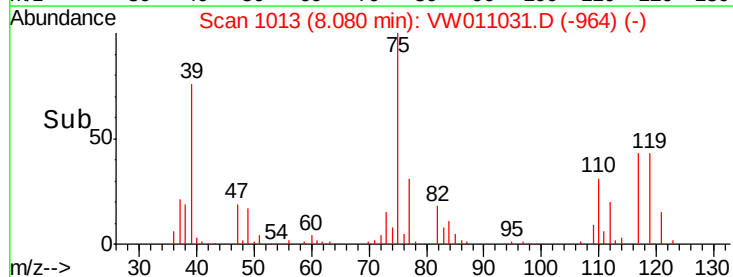
77 30.8 24.9 37.3

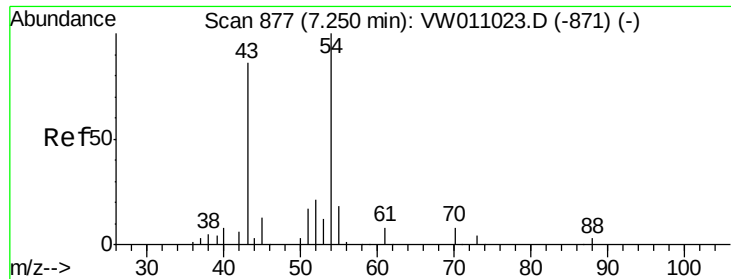


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

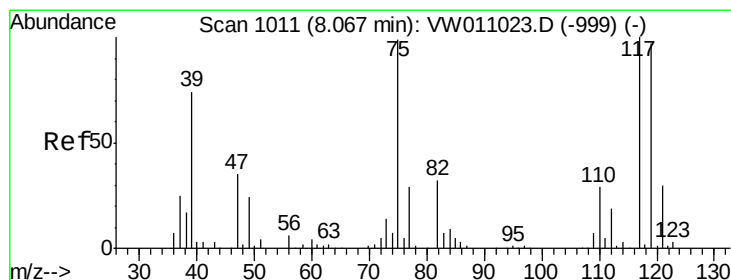
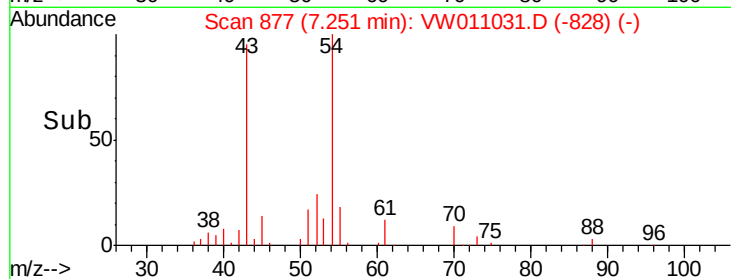
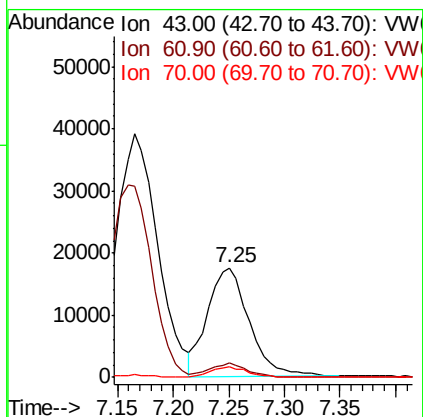
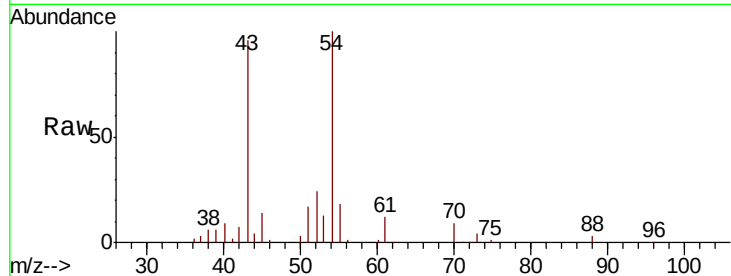




#37
Ethyl Acetate
Concen: 20.458 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011031.D
Acq: 27 Jun 2019 22:39

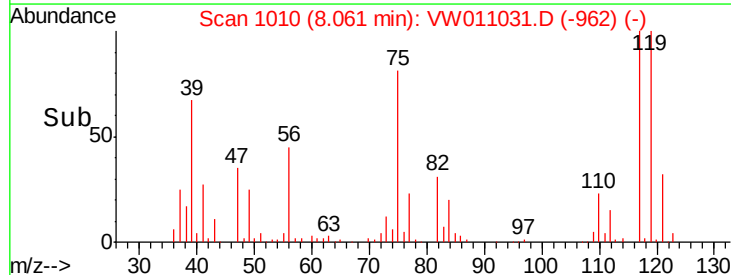
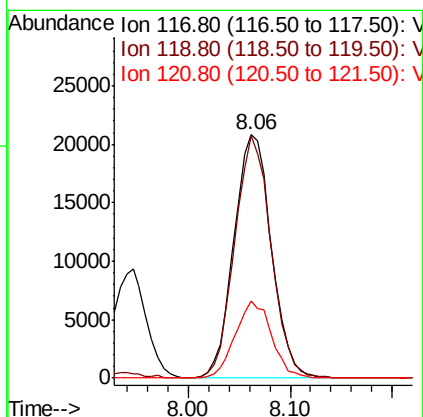
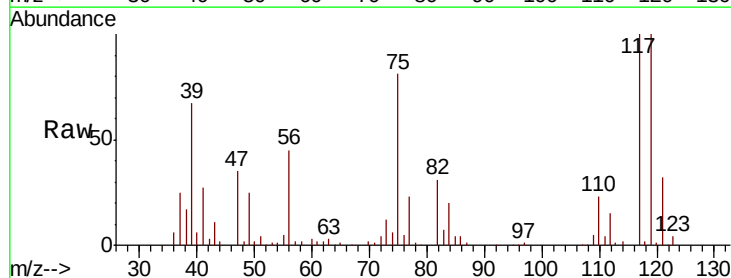
Instrument :
MSVOA_W
ClientSampled :

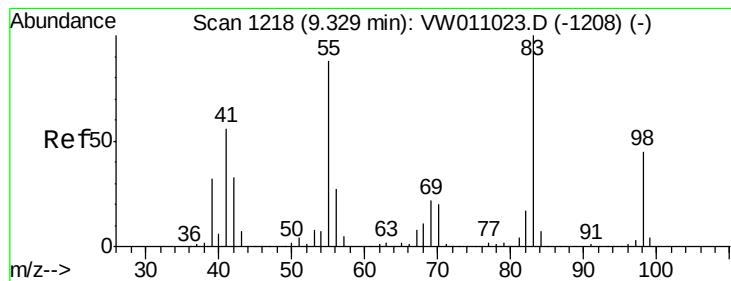
Tot Ion: 43 Resp: 45203
Ion Ratio Lower Upper
43 100
61 12.1 9.0 13.4
70 8.8 7.2 10.8



#38
Carbon Tetrachloride
Concen: 16.992 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011031.D
Acq: 27 Jun 2019 22:39

Tgt Ion: 117 Resp: 53148
Ion Ratio Lower Upper
117 100
119 99.5 77.7 116.5
121 31.9 23.9 35.9





#39

Methylvlcyclohexane

Concen: 16.854 ug/l

RT: 9.33 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VW011031.D

Acq: 27 Jun 2019 22:39

Instrument :

MSVOA_W

ClientSampleId :

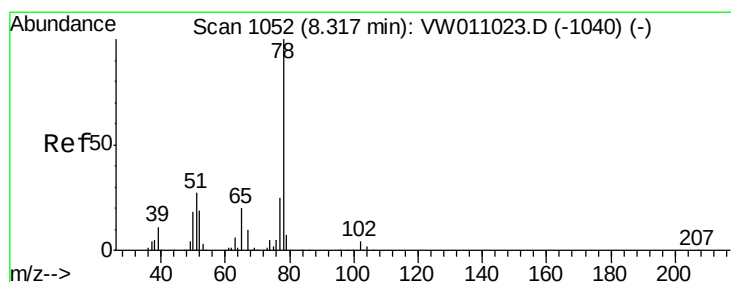
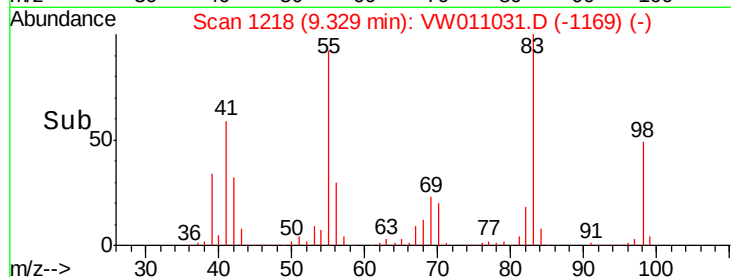
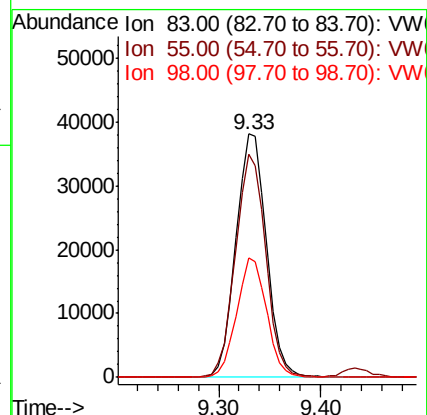
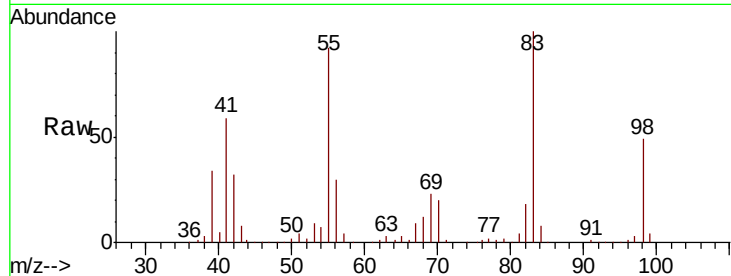
Tot Ion: 83 Resp: 78782

Ion Ratio Lower Upper

83 100

55 91.5 70.7 106.1

98 49.2 36.4 54.6



#40

Benzene

Concen: 18.903 ug/l

RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VW011031.D

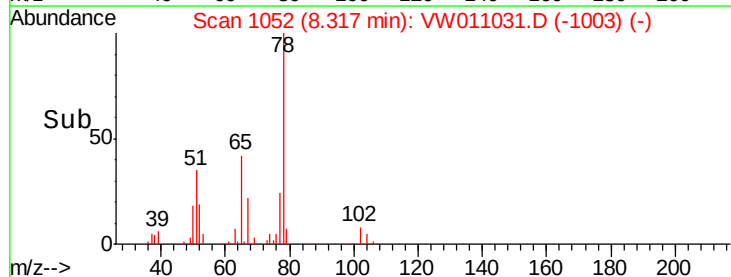
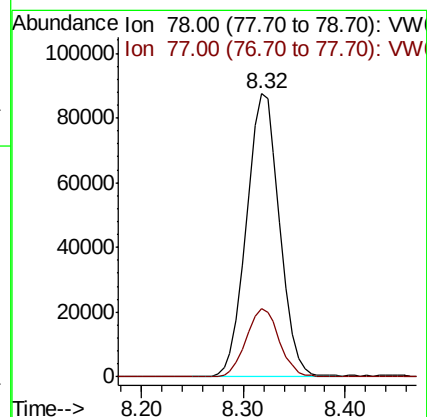
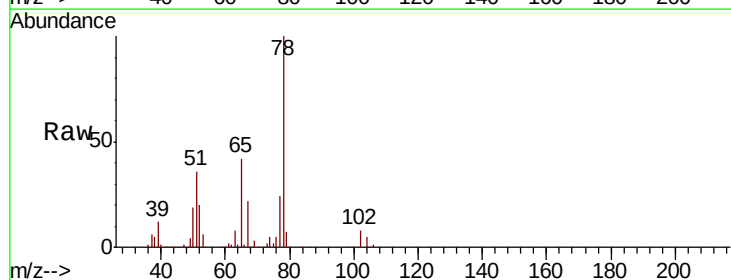
Acq: 27 Jun 2019 22:39

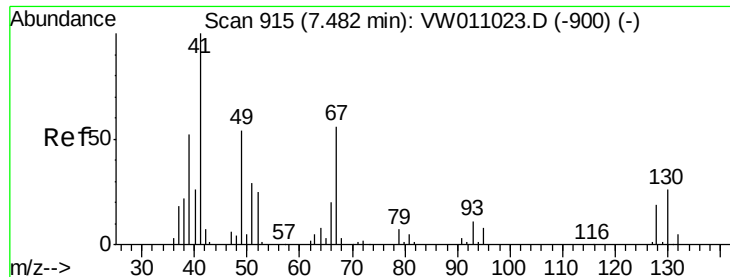
Tgt Ion: 78 Resp: 197477

Ion Ratio Lower Upper

78 100

77 24.3 19.7 29.5

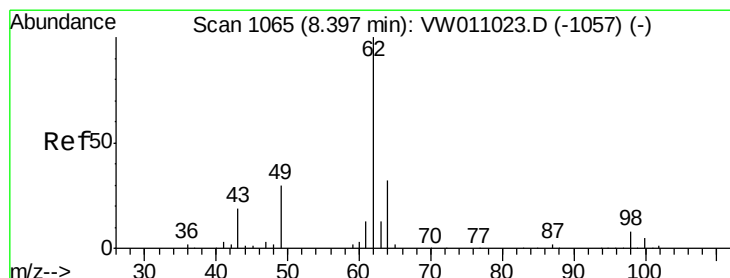
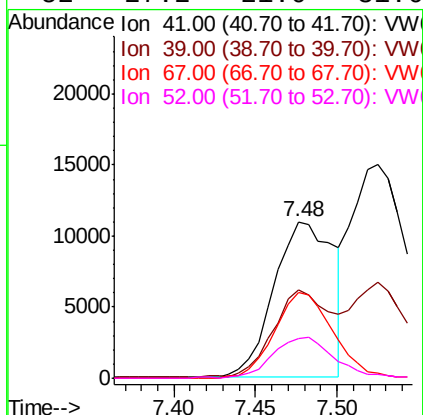
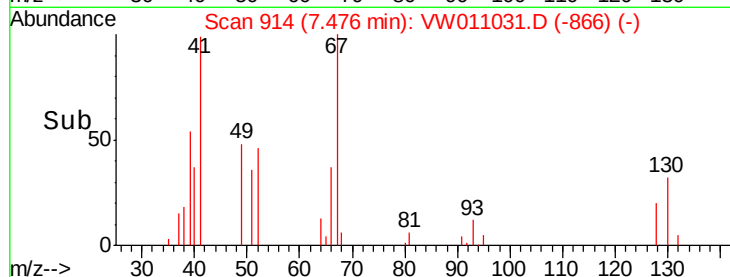
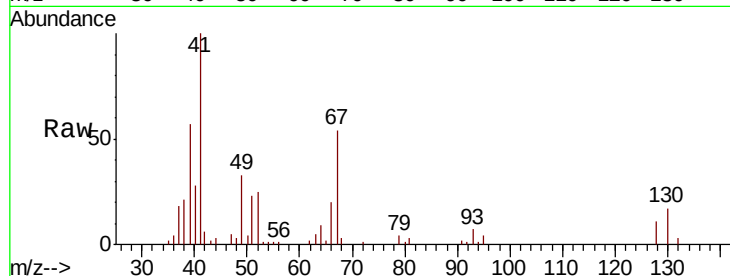




#41
Methacrylonitrile
Concen: 20.779 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW011031.D
Acq: 27 Jun 2019 22:39

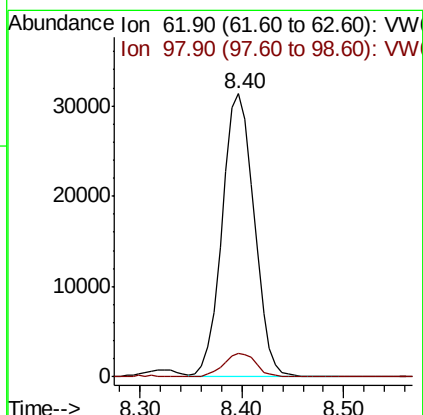
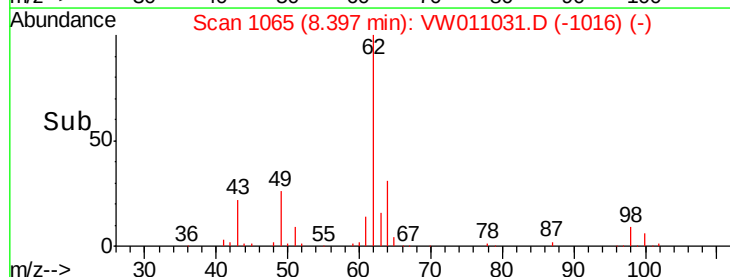
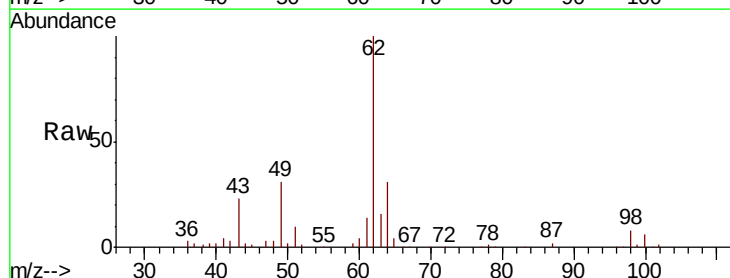
Instrument :
MSVOA_W
ClientSampled :

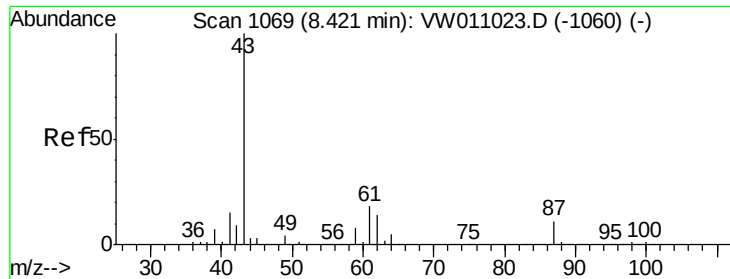
Tot Ion:	41	Resp:	27934
Ion	Ratio	Lower	Upper
41	100		
39	53.4	42.1	63.1
67	54.1	44.2	66.2
52	27.2	21.0	31.6



#42
1,2-Dichloroethane
Concen: 19.967 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011031.D
Acq: 27 Jun 2019 22:39

Tgt Ion:	62	Resp:	68392
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.8





#43

Isopropyl Acetate

Concen: 20.544 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011031.D

Acq: 27 Jun 2019 22:39

Instrument :

MSVOA_W

ClientSampled :

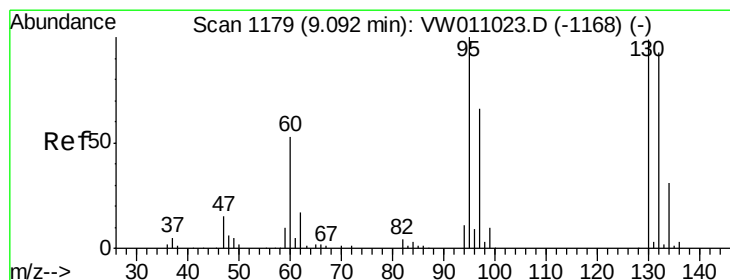
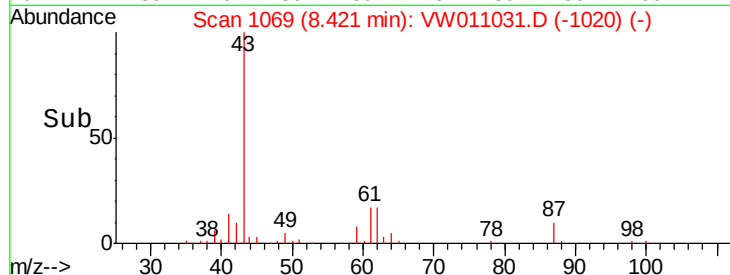
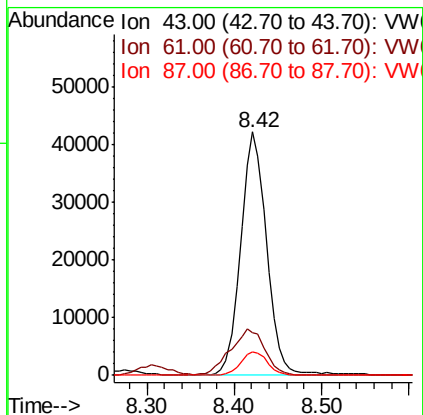
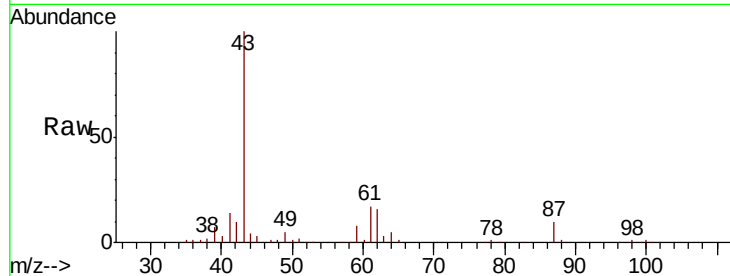
Tot Ion: 43 Resp: 85873

Ion Ratio Lower Upper

43 100

61 25.6 21.0 31.6

87 10.1 8.2 12.4



#44

Trichloroethene

Concen: 18.309 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW011031.D

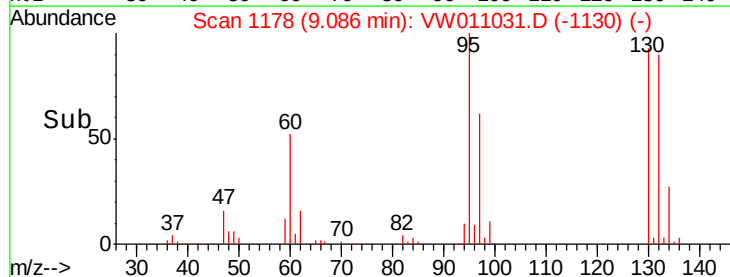
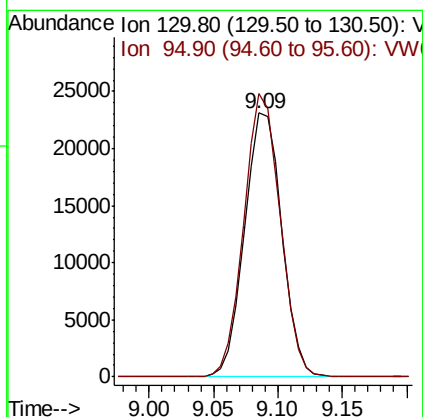
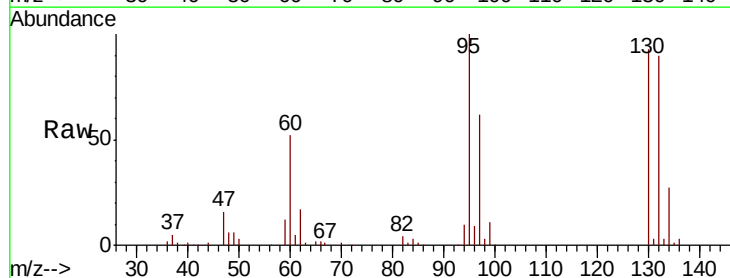
Acq: 27 Jun 2019 22:39

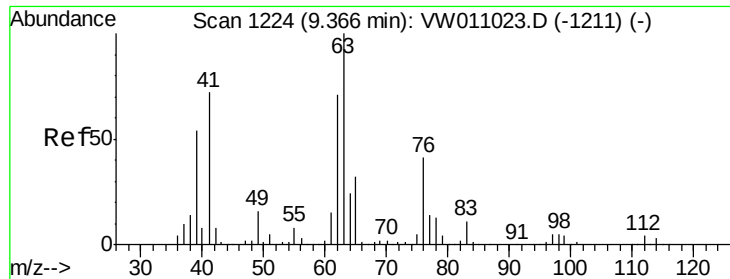
Tgt Ion: 130 Resp: 46225

Ion Ratio Lower Upper

130 100

95 107.2 0.0 202.0

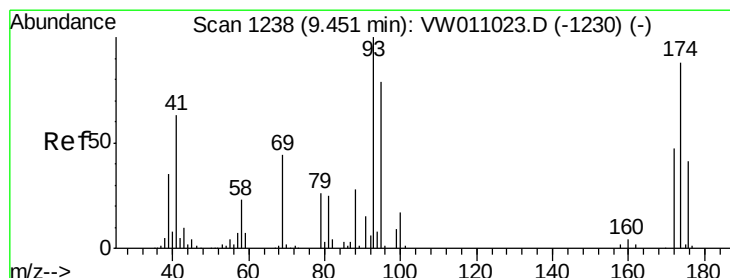
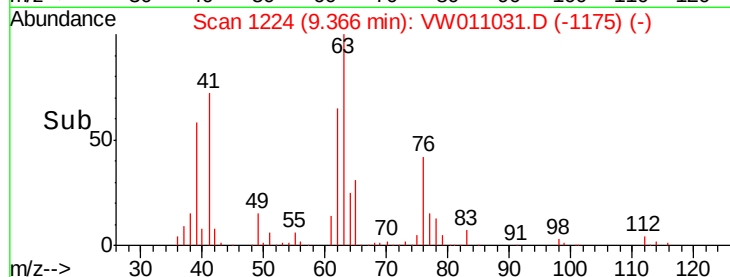
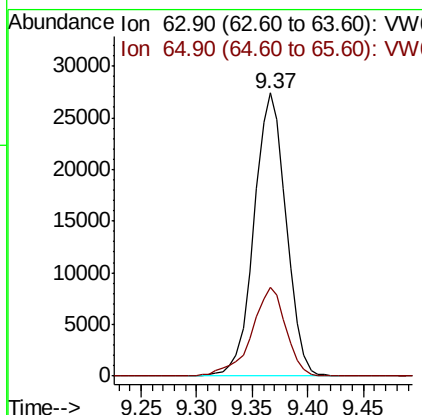
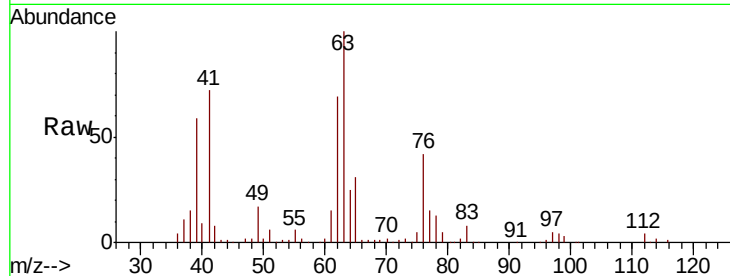




#45
 1,2-Dichloropropane
 Concen: 19.356 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011031.D
 Acq: 27 Jun 2019 22:39

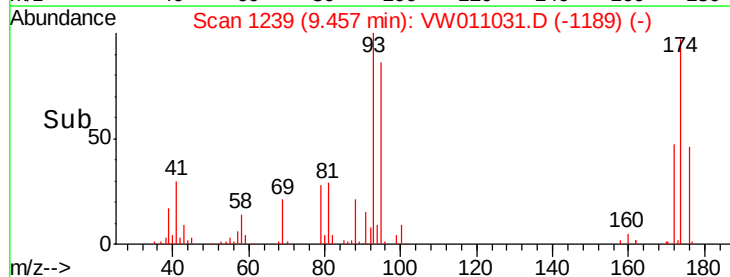
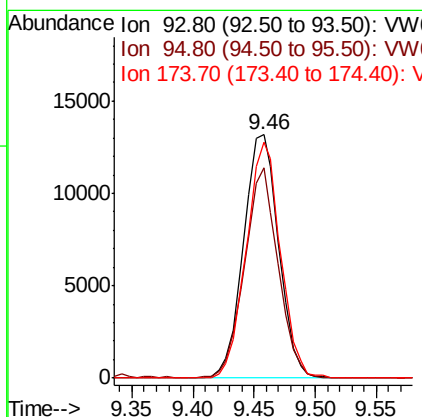
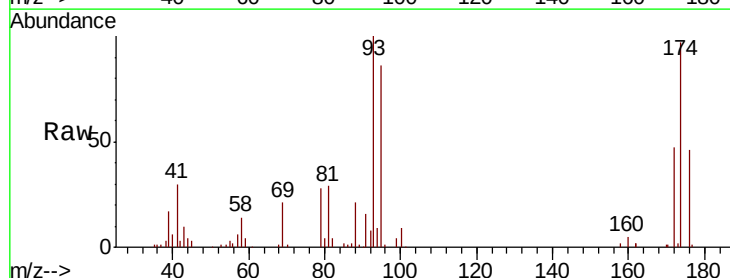
Instrument :
 MSVOA_W
 ClientSampleId :

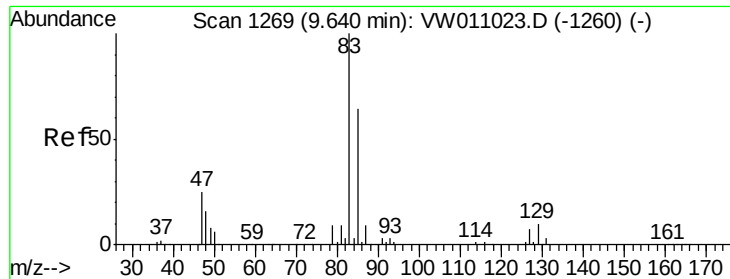
Tot Ion: 63 Resp: 54910
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.6 38.4



#46
 Dibromomethane
 Concen: 19.879 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.01 min
 Lab File: VW011031.D
 Acq: 27 Jun 2019 22:39

Tgt Ion: 93 Resp: 26375
 Ion Ratio Lower Upper
 93 100
 95 82.5 65.8 98.6
 174 94.2 75.4 113.0





#47

Bromodichloromethane

Concen: 19.362 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW011031.D

Acq: 27 Jun 2019 22:39

Instrument :

MSVOA_W

ClientSampleId :

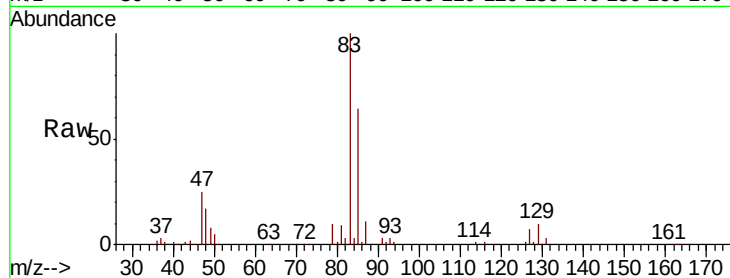
Tot Ion: 83 Resp: 63601

Ion Ratio Lower Upper

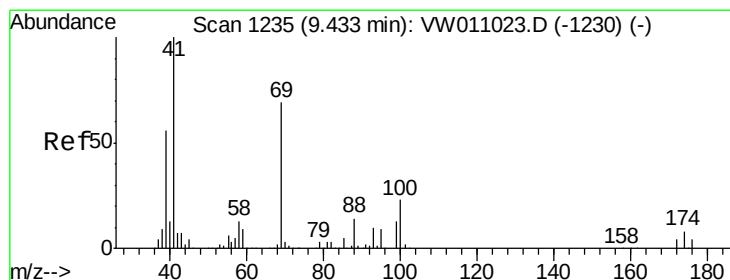
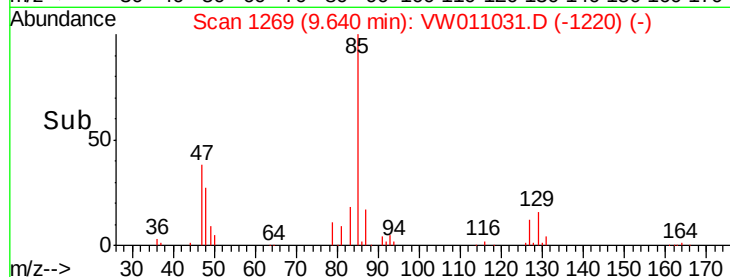
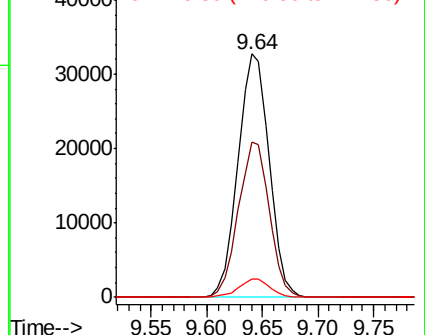
83 100

85 63.8 51.0 76.4

127 7.3 5.8 8.8



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 19.970 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW011031.D

Acq: 27 Jun 2019 22:39

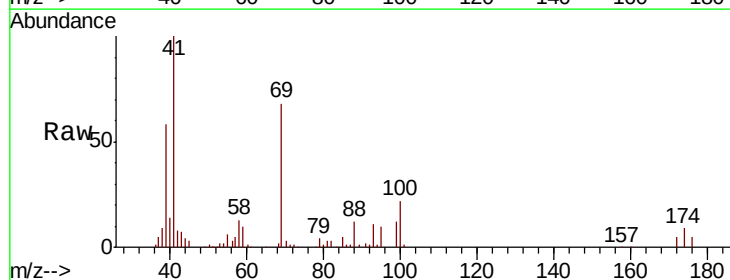
Tgt Ion: 41 Resp: 40474

Ion Ratio Lower Upper

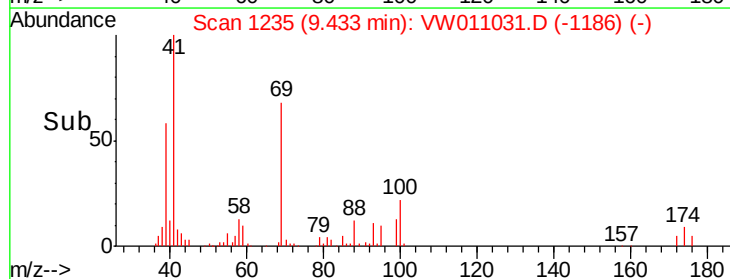
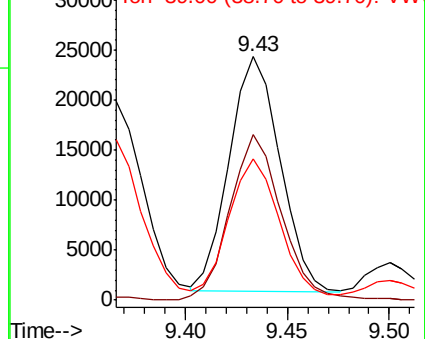
41 100

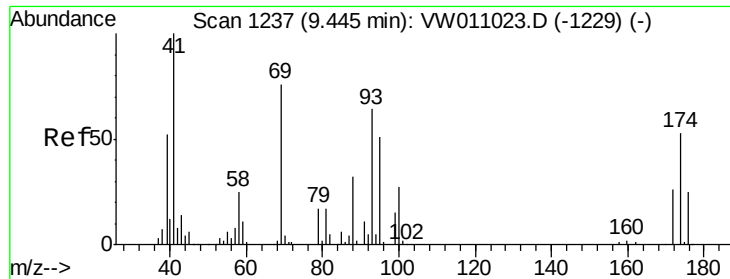
69 72.4 56.7 85.1

39 60.9 45.0 67.6



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 399.183 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.01 min

Lab File: VW011031.D

Acq: 27 Jun 2019 22:39

Instrument :

MSVOA_W

ClientSampleId :

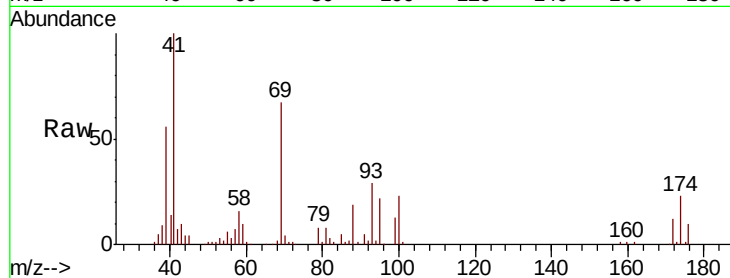
Tot Ion: 88 Resp: 8905

Ion Ratio Lower Upper

88 100

43 45.1 34.4 51.6

58 90.0 65.2 97.8

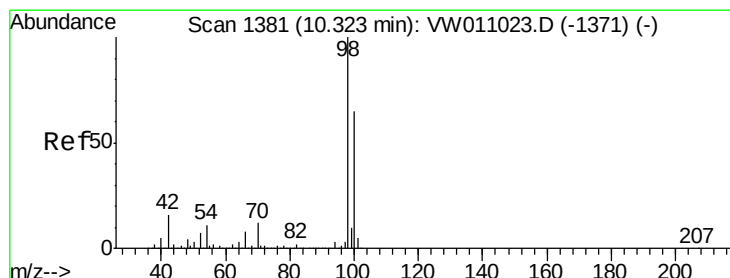
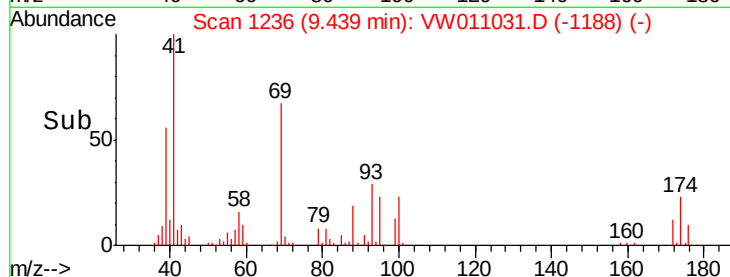
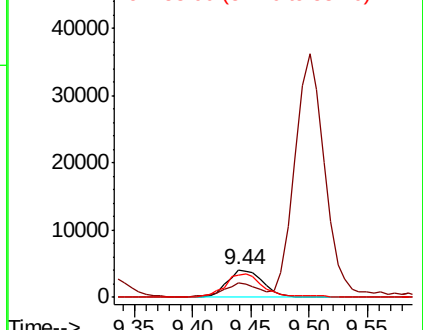


Abundance

Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 50.571 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011031.D

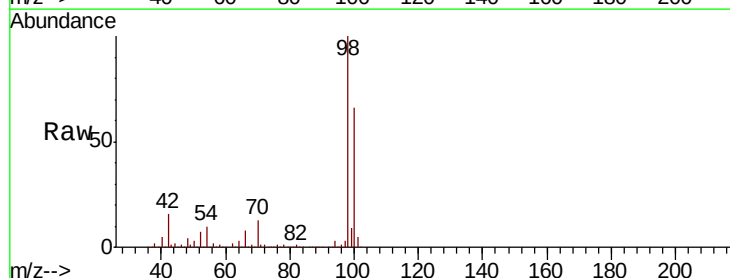
Acq: 27 Jun 2019 22:39

Tgt Ion: 98 Resp: 449190

Ion Ratio Lower Upper

98 100

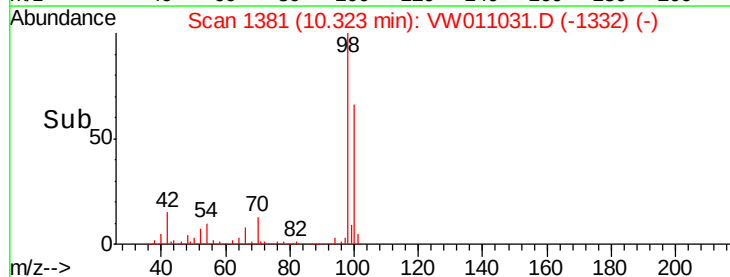
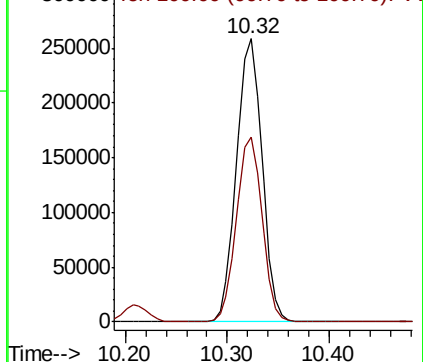
100 65.5 52.3 78.5

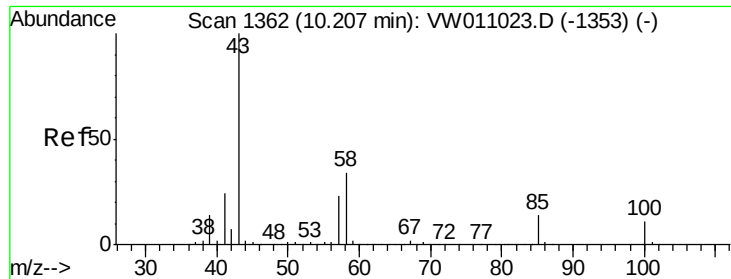


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

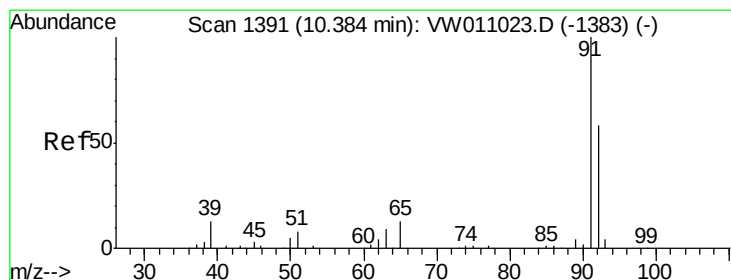
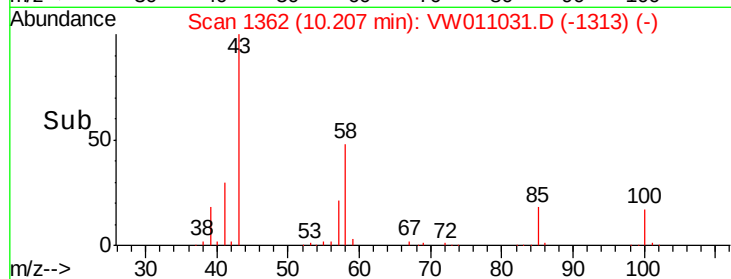
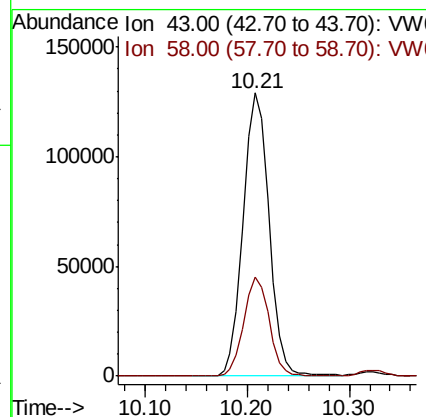
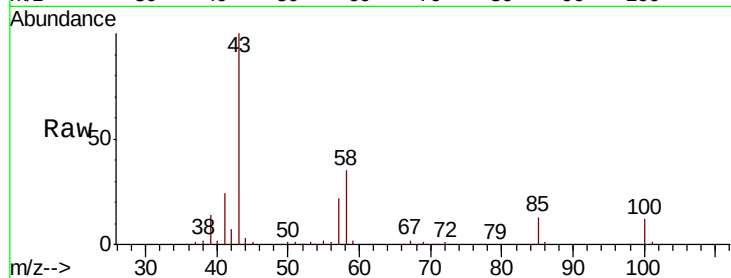




#51
4-Methyl-2-Pentanone
Concen: 103.308 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW011031.D
Acq: 27 Jun 2019 22:39

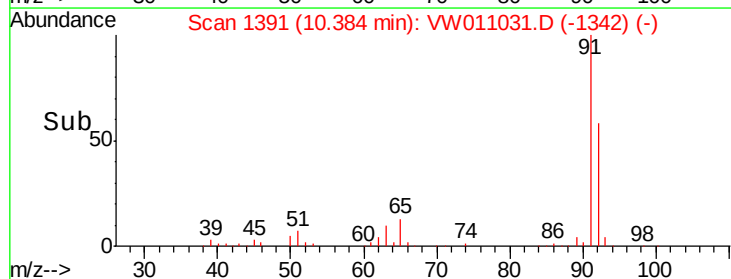
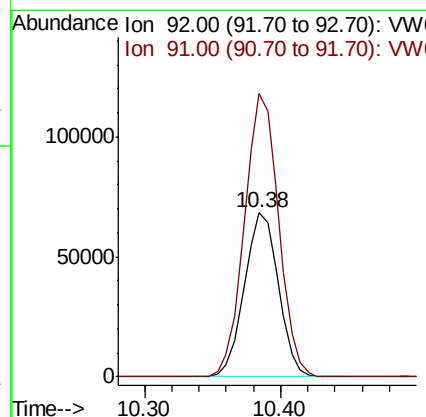
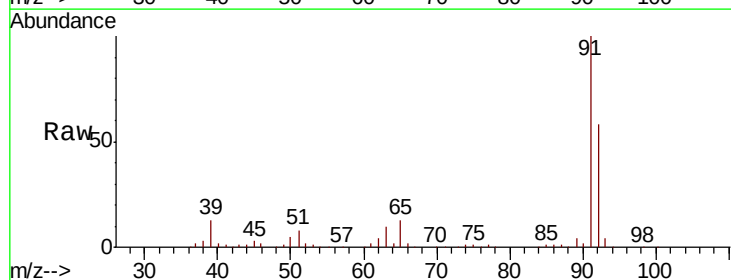
Instrument :
MSVOA_W
ClientSampled :

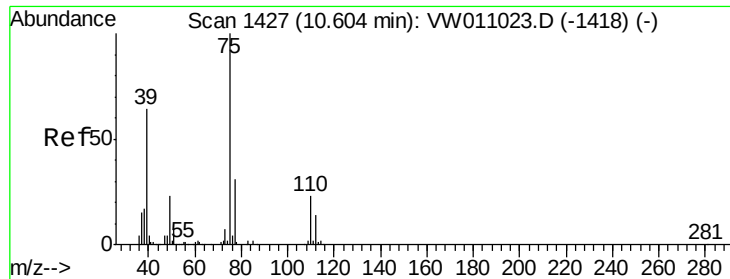
Tot Ion: 43 Resp: 227307
Ion Ratio Lower Upper
43 100
58 34.5 27.8 41.6



#52
Toluene
Concen: 18.792 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW011031.D
Acq: 27 Jun 2019 22:39

Tgt Ion: 92 Resp: 120188
Ion Ratio Lower Upper
92 100
91 172.3 136.9 205.3





#53

t-1,3-Dichloropropene

Concen: 18.714 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011031.D

Acq: 27 Jun 2019 22:39

Instrument :

MSVOA_W

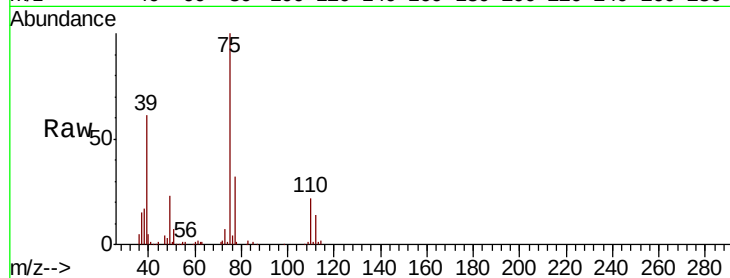
ClientSampleId :

Tot Ion: 75 Resp: 64029

Ion Ratio Lower Upper

75 100

77 31.6 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

40000

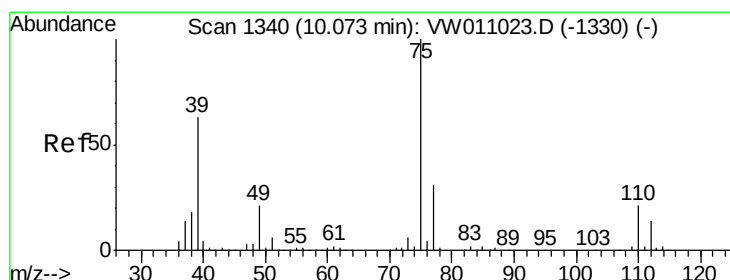
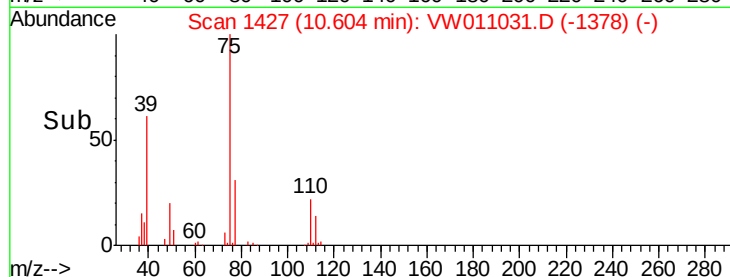
30000

20000

10000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 18.832 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011031.D

Acq: 27 Jun 2019 22:39

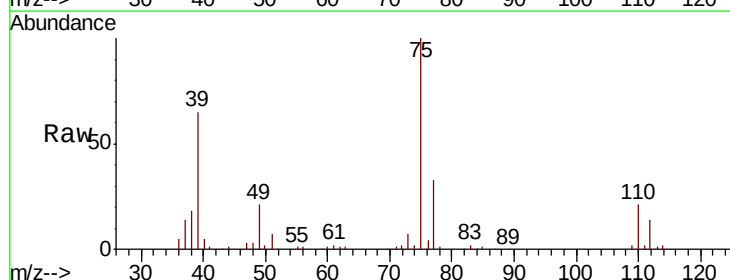
Tgt Ion: 75 Resp: 76865

Ion Ratio Lower Upper

75 100

77 32.7 24.8 37.2

39 64.8 50.0 75.0



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

10.07

50000

40000

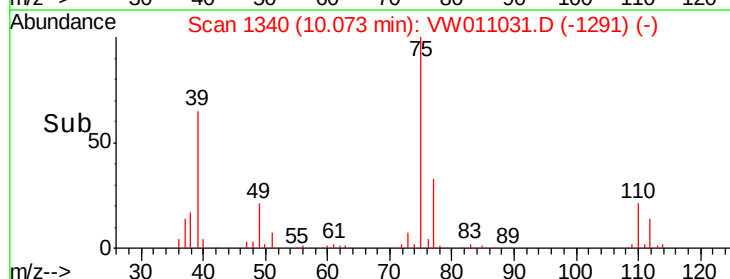
30000

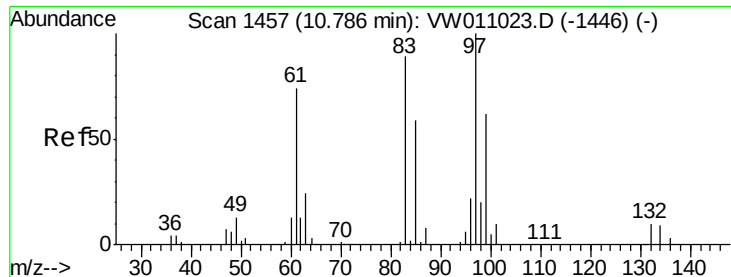
20000

10000

0

Time--> 10.00 10.10





#55

1,1,2-Trichloroethane

Concen: 20.067 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW011031.D

Acq: 27 Jun 2019 22:39

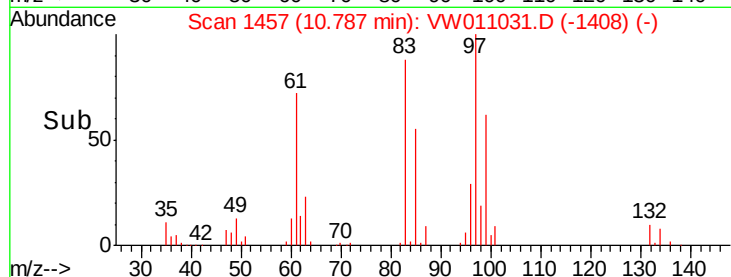
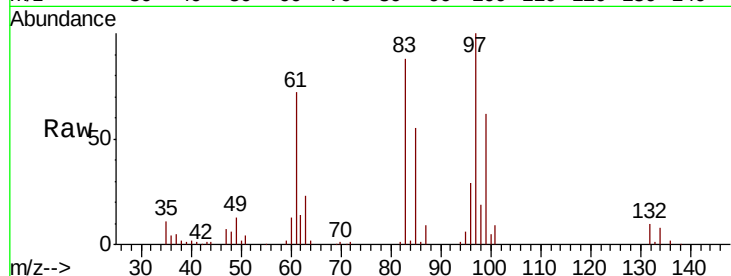
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 37615

Ion	Ratio	Lower	Upper
97	100		
83	87.6	70.9	106.3
85	55.4	47.2	70.8
99	61.6	50.0	75.0



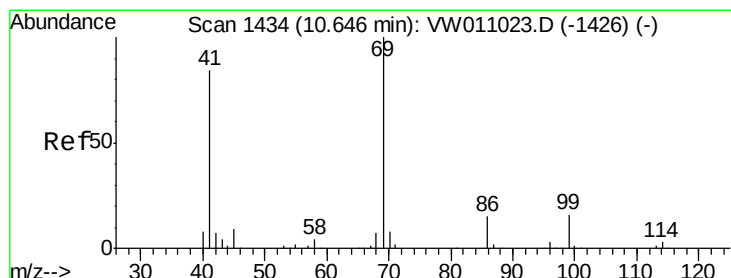
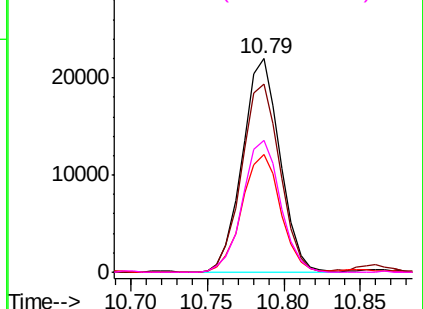
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 19.979 ug/l

RT: 10.65 min Scan# 1434

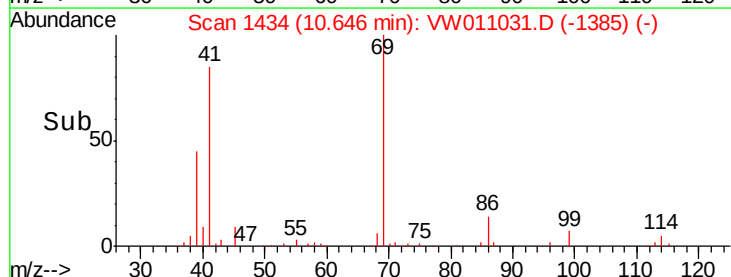
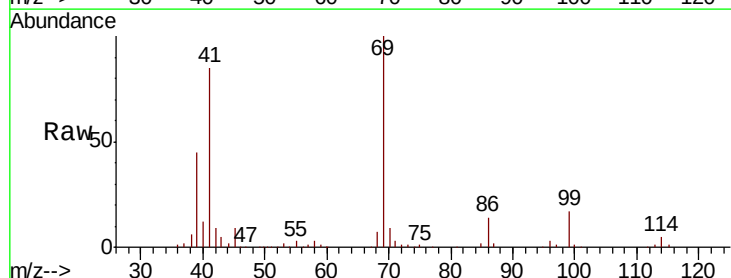
Delta R.T. 0.00 min

Lab File: VW011031.D

Acq: 27 Jun 2019 22:39

Tgt Ion: 69 Resp: 56081

Ion	Ratio	Lower	Upper
69	100		
41	88.4	67.9	101.9
39	41.4	33.2	49.8

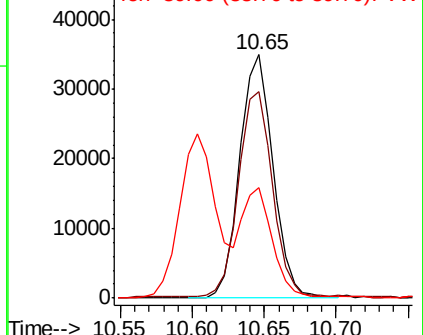


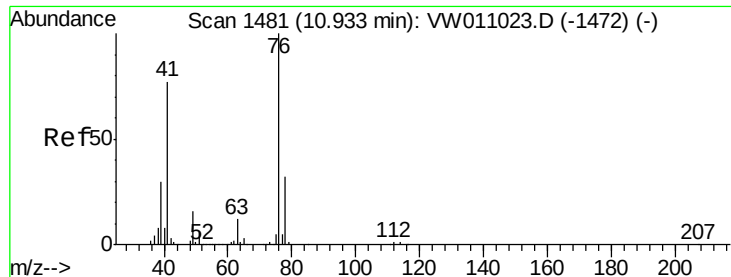
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

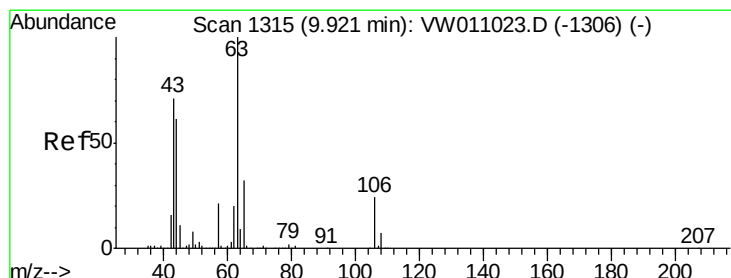
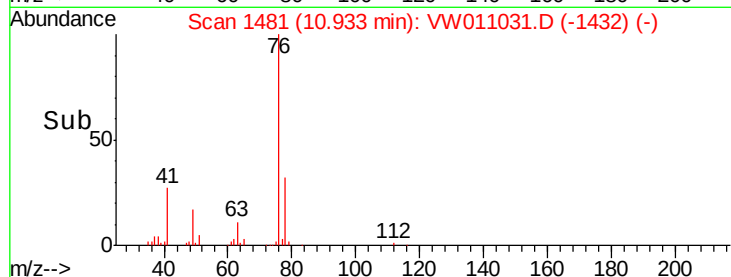
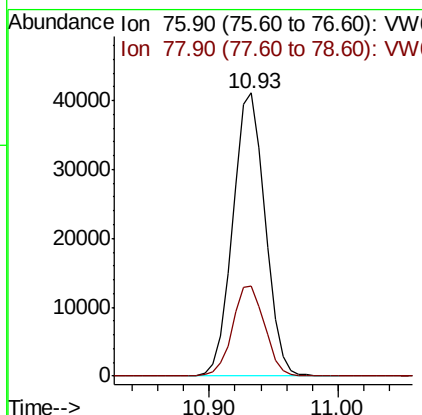
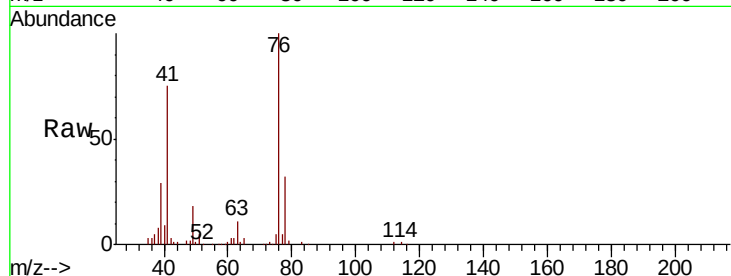




#57
 1,3-Dichloropropane
 Concen: 20.061 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011031.D
 Acq: 27 Jun 2019 22:39

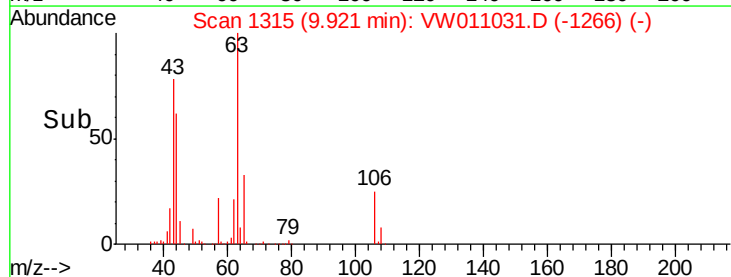
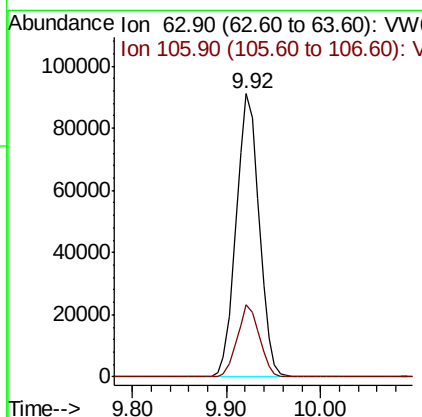
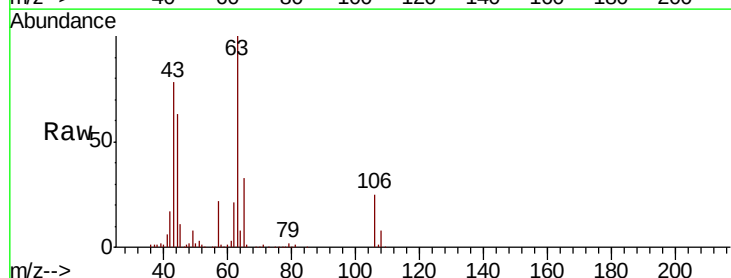
Instrument :
 MSVOA_W
 ClientSampled :

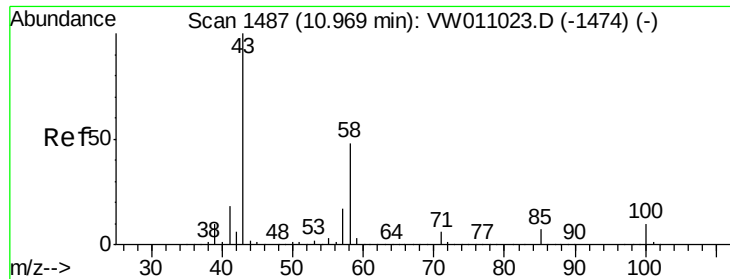
Tot Ion: 76 Resp: 71531
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.202 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011031.D
 Acq: 27 Jun 2019 22:39

Tgt Ion: 63 Resp: 155091
 Ion Ratio Lower Upper
 63 100
 106 24.3 19.4 29.0





#59

2-Hexanone

Concen: 103.252 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW011031.D

Acq: 27 Jun 2019 22:39

Instrument :

MSVOA_W

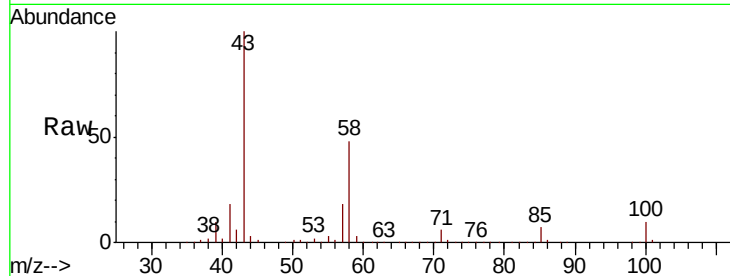
ClientSampleId :

Tot Ion: 43 Resp: 158432

Ion Ratio Lower Upper

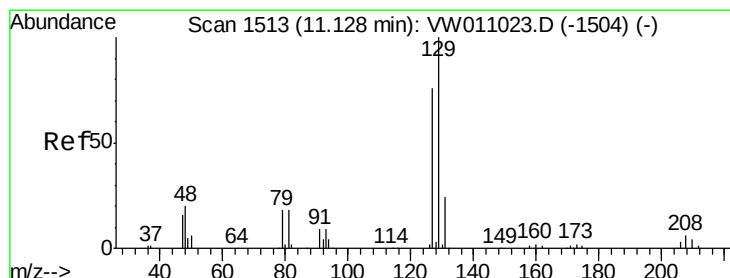
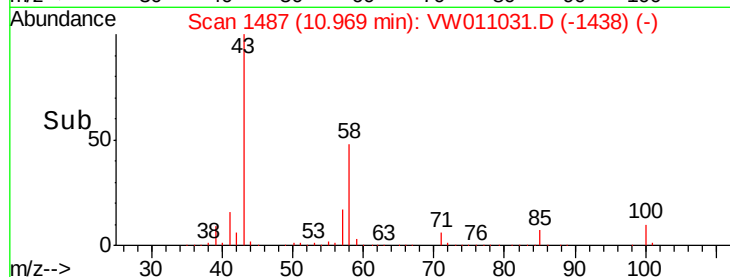
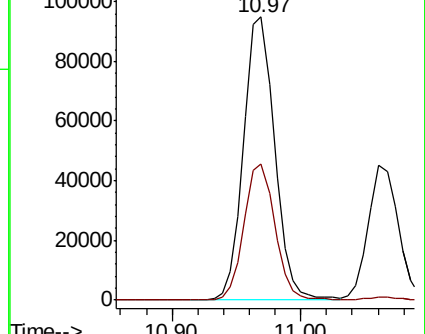
43 100

58 48.1 23.8 71.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#60

Dibromochloromethane

Concen: 18.927 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW011031.D

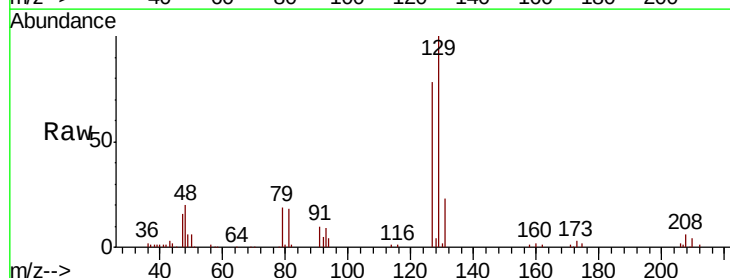
Acq: 27 Jun 2019 22:39

Tgt Ion: 129 Resp: 37203

Ion Ratio Lower Upper

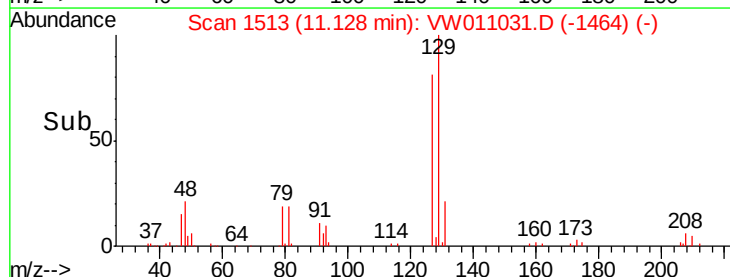
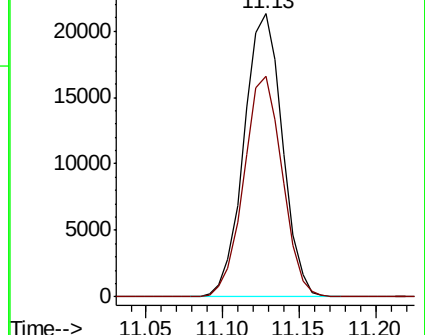
129 100

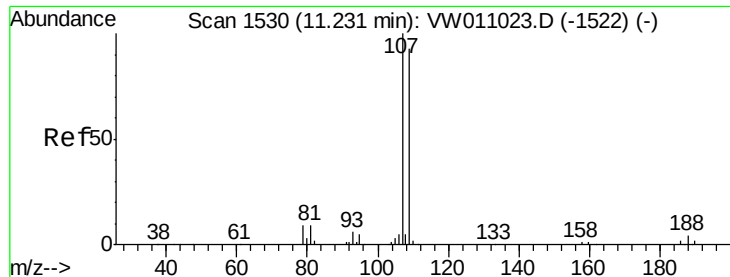
127 78.1 39.4 118.1



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 20.297 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW011031.D

Acq: 27 Jun 2019 22:39

Instrument :

MSVOA_W

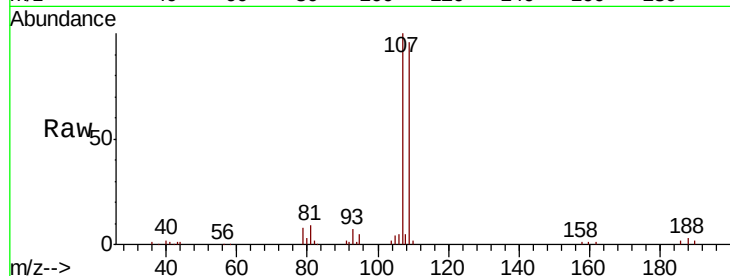
ClientSampleId :

Tot Ion: 107 Resp: 35618

Ion Ratio Lower Upper

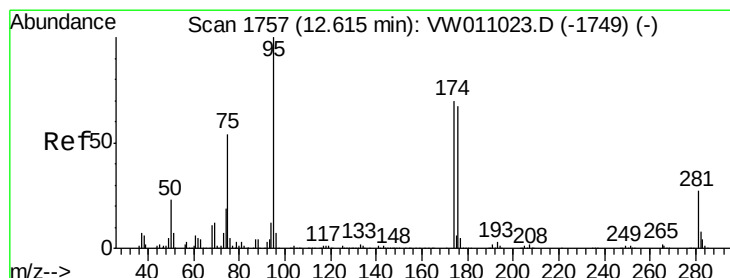
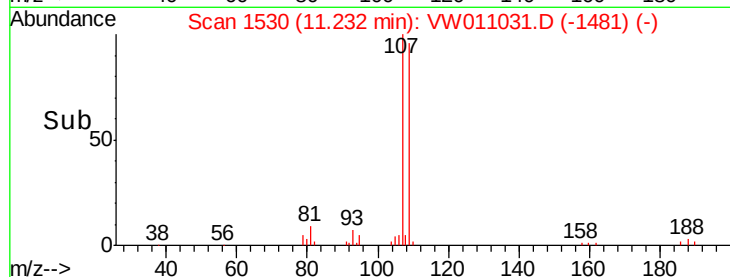
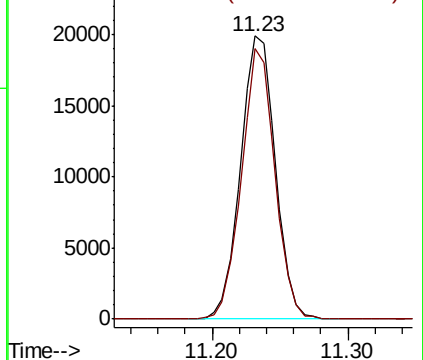
107 100

109 91.5 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.138 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW011031.D

Acq: 27 Jun 2019 22:39

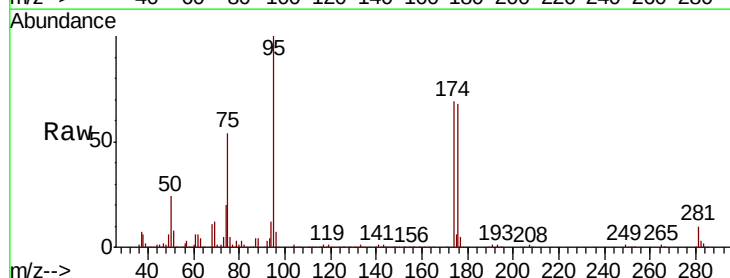
Tgt Ion: 95 Resp: 166134

Ion Ratio Lower Upper

95 100

174 74.0 0.0 149.2

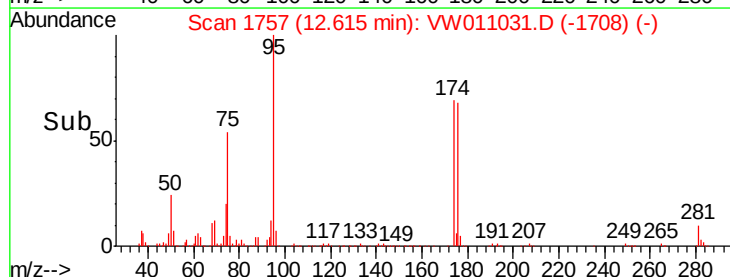
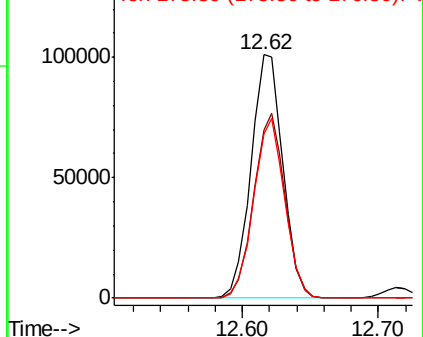
176 71.9 0.0 143.6

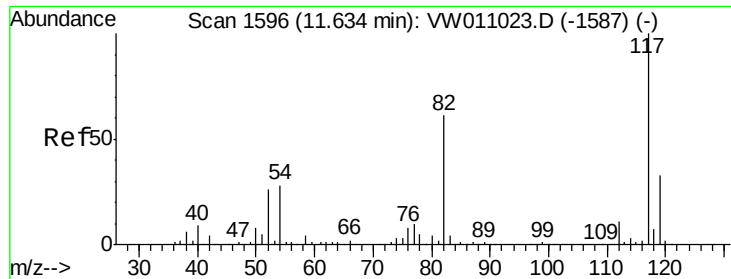


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

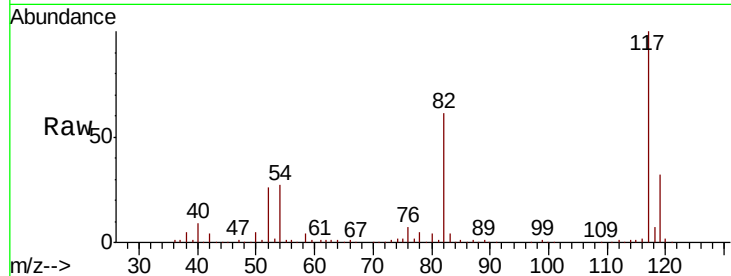




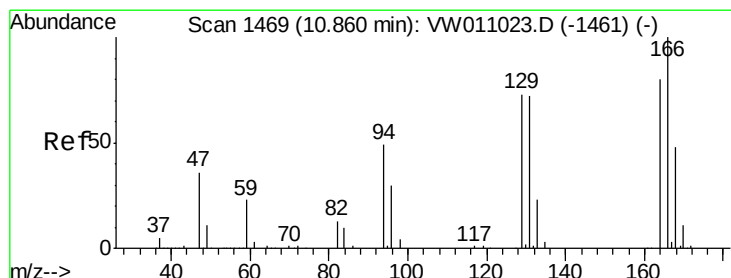
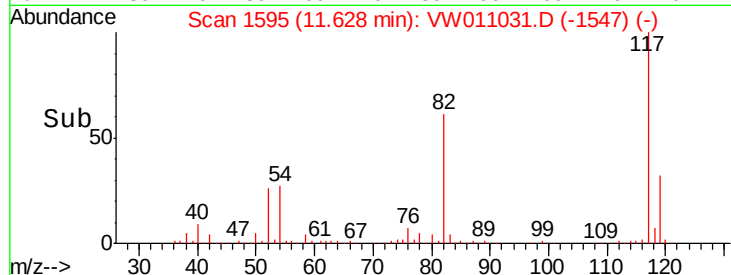
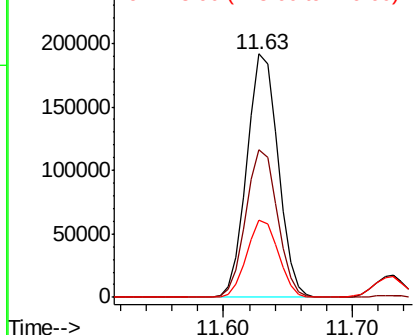
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011031.D
Acq: 27 Jun 2019 22:39

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 321797
Ion Ratio Lower Upper
117 100
82 60.6 48.6 73.0
119 31.7 26.1 39.1

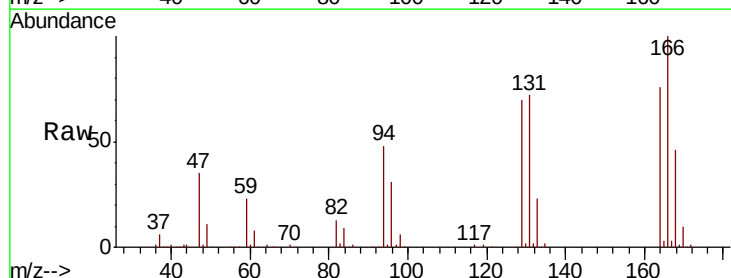


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

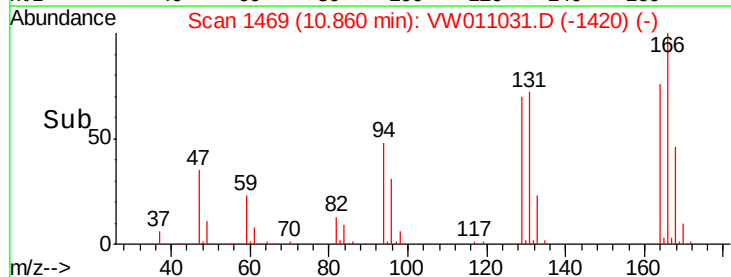
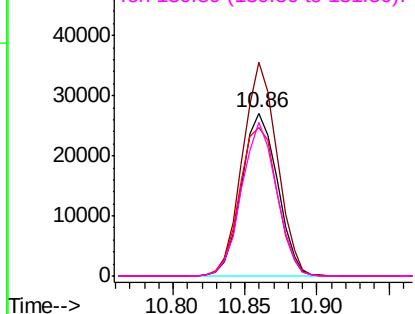


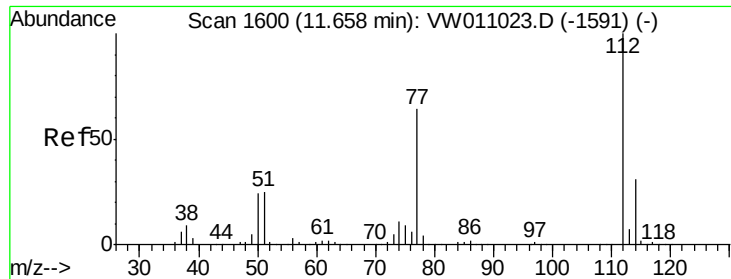
#64
Tetrachloroethene
Concen: 21.101 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011031.D
Acq: 27 Jun 2019 22:39

Tgt Ion:164 Resp: 46729
Ion Ratio Lower Upper
164 100
166 131.2 99.8 149.6
129 91.3 73.0 109.4
131 94.4 71.4 107.0



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

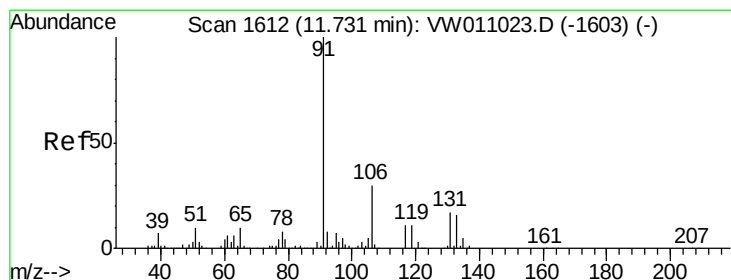
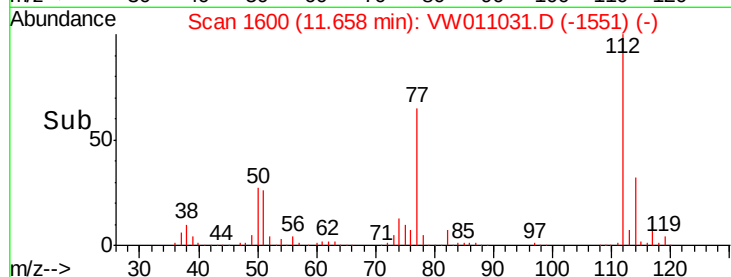
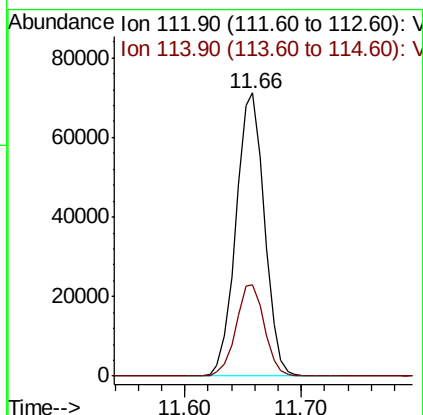
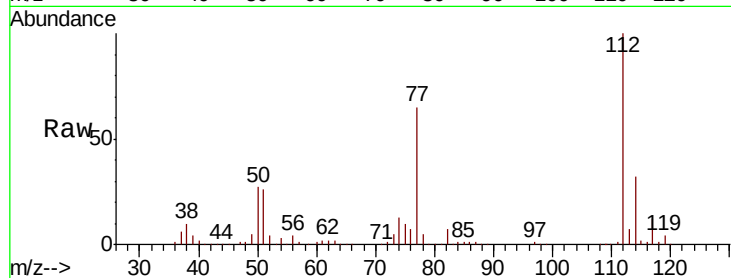




#65
Chlorobenzene
Concen: 18.426 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011031.D
Acq: 27 Jun 2019 22:39

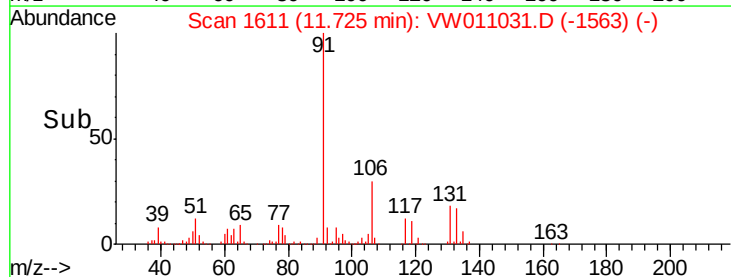
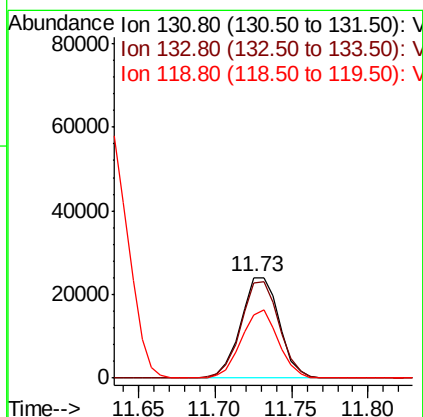
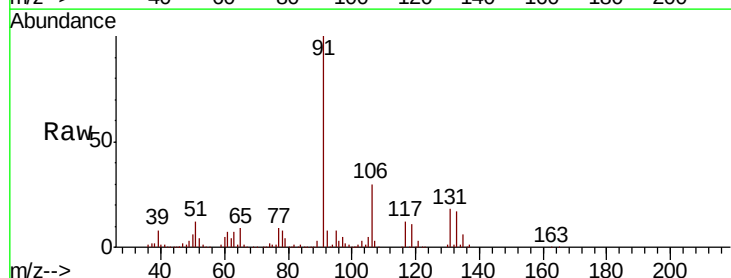
Instrument :
MSVOA_W
ClientSampleId :

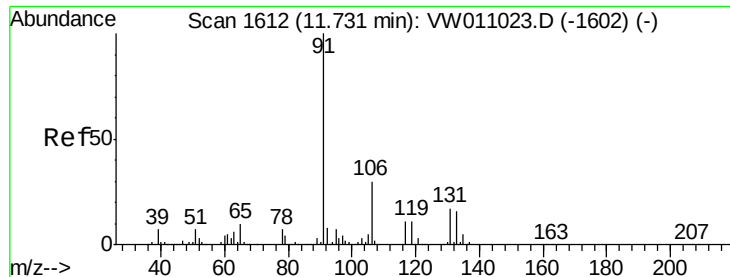
Tot Ion:112 Resp: 121377
Ion Ratio Lower Upper
112 100
114 32.5 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 18.793 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW011031.D
Acq: 27 Jun 2019 22:39

Tgt Ion:131 Resp: 42030
Ion Ratio Lower Upper
131 100
133 96.2 47.7 143.1
119 65.3 33.1 99.2

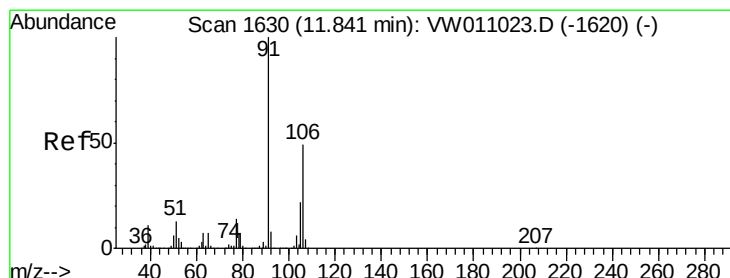
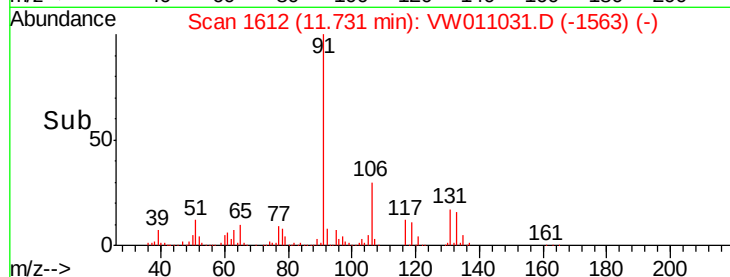
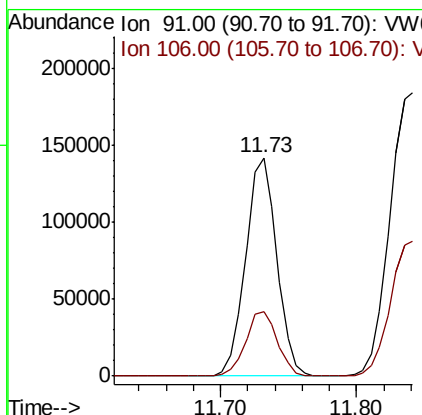
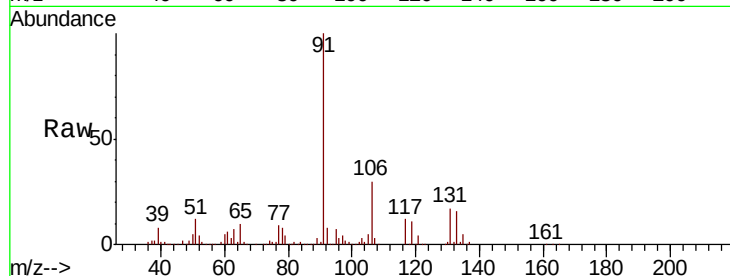




#67
Ethyl Benzene
Concen: 18.104 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011031.D
Acq: 27 Jun 2019 22:39

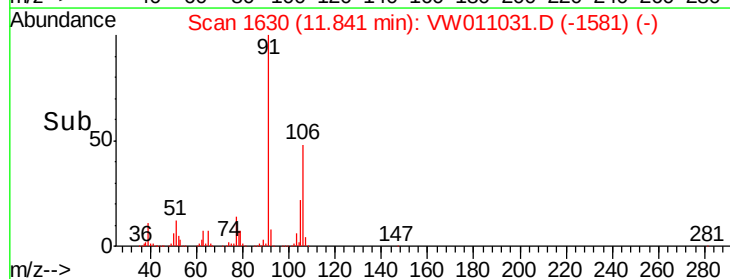
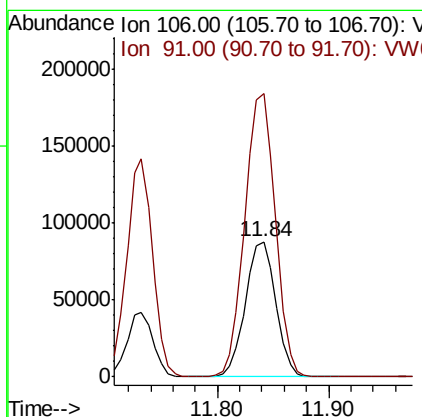
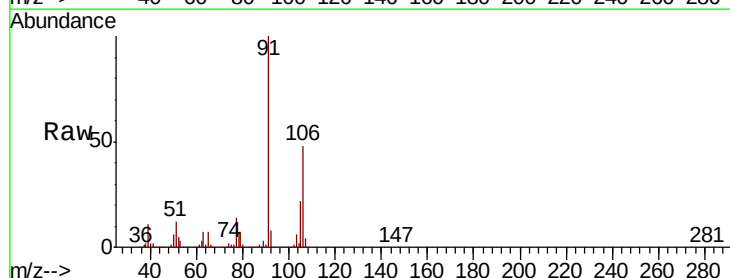
Instrument :
MSVOA_W
ClientSampled :

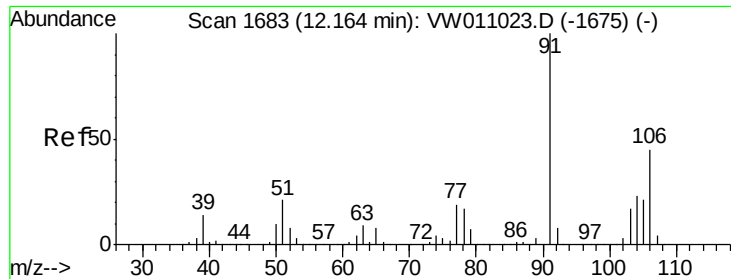
Tot Ion: 91 Resp: 228411
Ion Ratio Lower Upper
91 100
106 29.5 23.8 35.6



#68
m/p-Xylenes
Concen: 36.547 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011031.D
Acq: 27 Jun 2019 22:39

Tgt Ion: 106 Resp: 167315
Ion Ratio Lower Upper
106 100
91 211.0 167.5 251.3

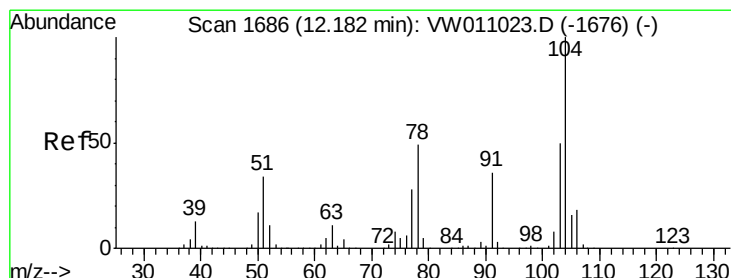
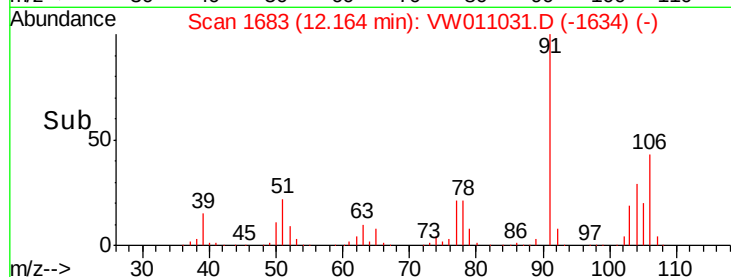
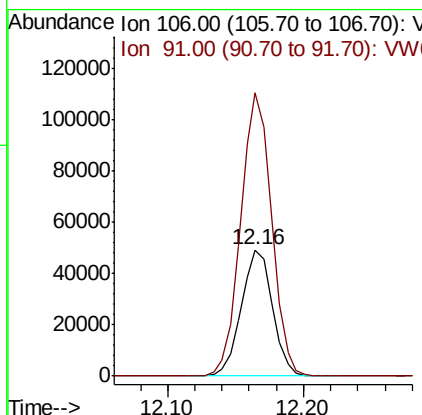
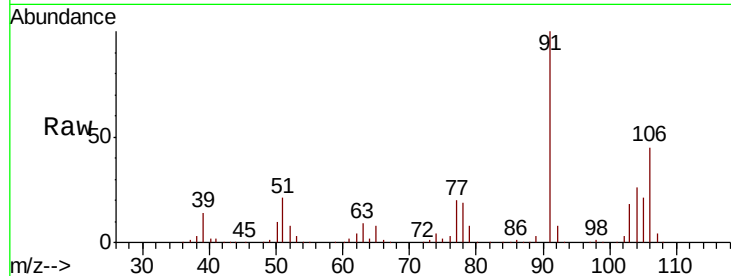




#69
o-Xylene
Concen: 18.439 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011031.D
Acq: 27 Jun 2019 22:39

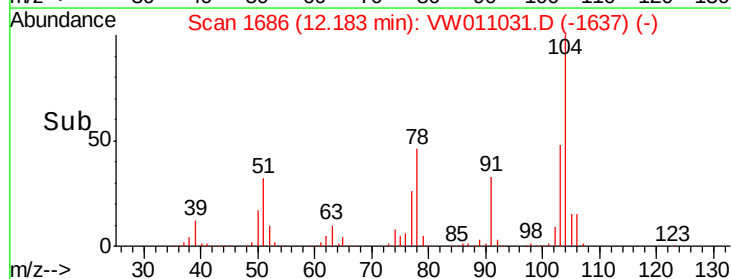
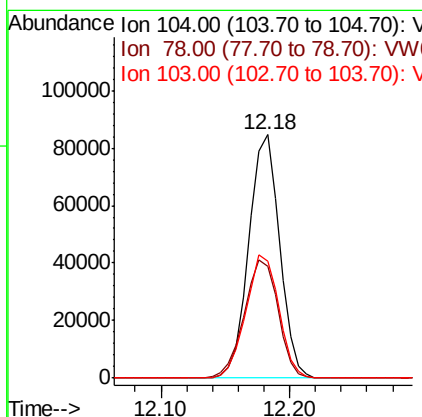
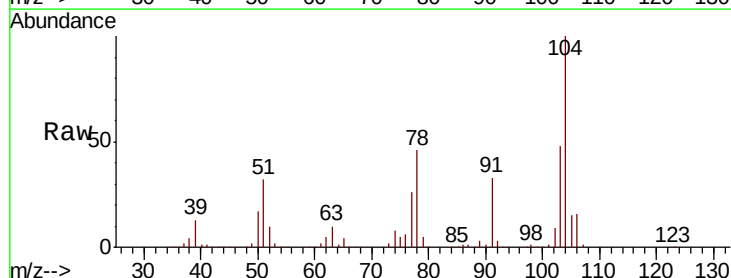
Instrument :
MSVOA_W
ClientSampled :

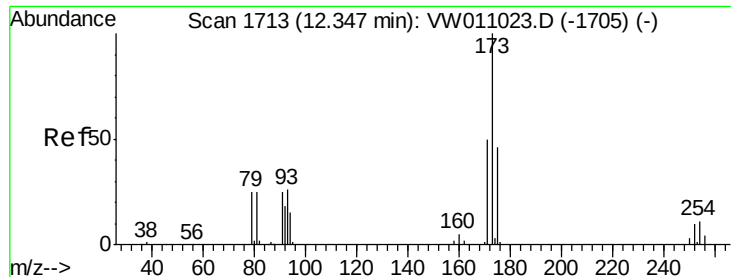
Tot Ion:106 Resp: 78625
Ion Ratio Lower Upper
106 100
91 223.4 110.8 332.3



#70
Styrene
Concen: 18.790 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011031.D
Acq: 27 Jun 2019 22:39

Tgt Ion:104 Resp: 139233
Ion Ratio Lower Upper
104 100
78 53.9 43.7 65.5
103 54.4 43.9 65.9





#71

Bromoform

Concen: 18.814 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011031.D

Acq: 27 Jun 2019 22:39

Instrument :

MSVOA_W

ClientSampleId :

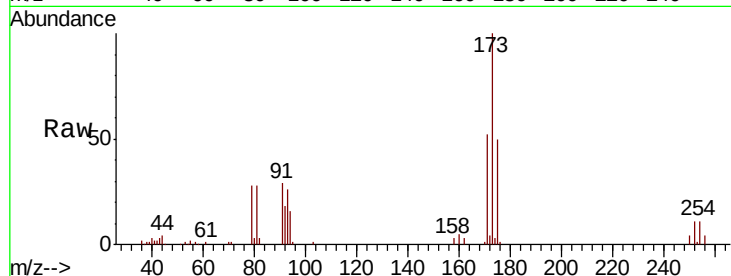
Tot Ion:173 Resp: 20513

Ion Ratio Lower Upper

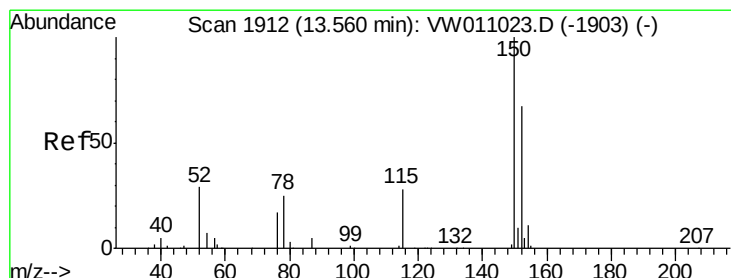
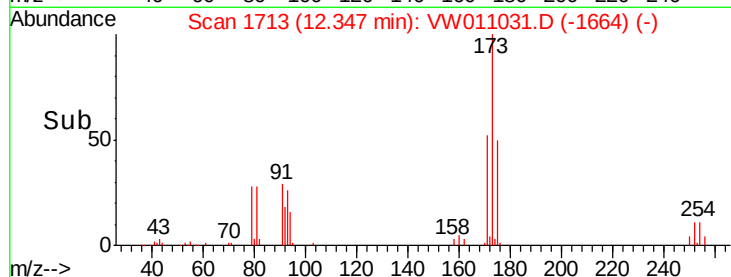
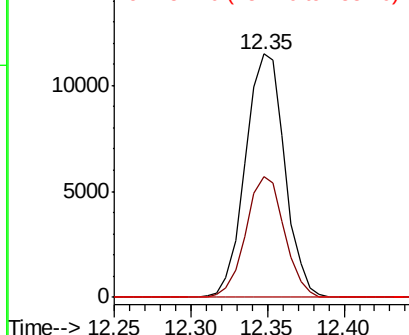
173 100

175 48.4 24.1 72.2

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: VW011031.D

Acq: 27 Jun 2019 22:39

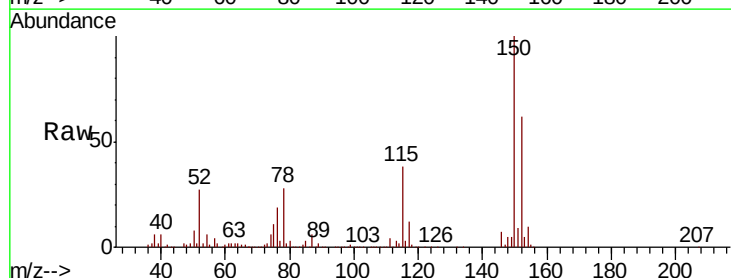
Tgt Ion:152 Resp: 158466

Ion Ratio Lower Upper

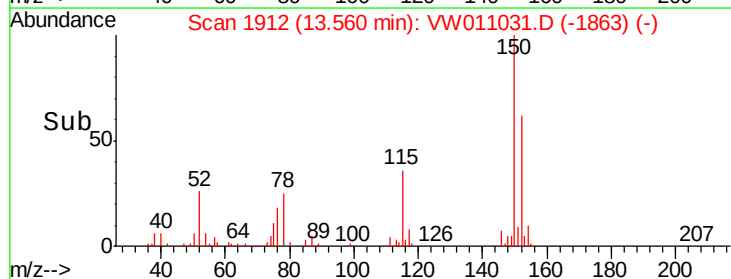
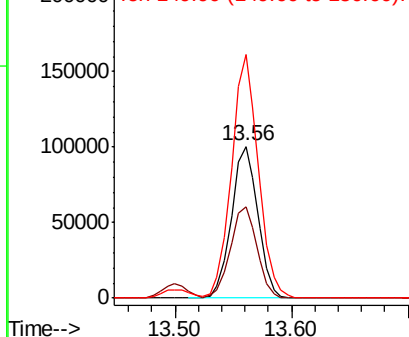
152 100

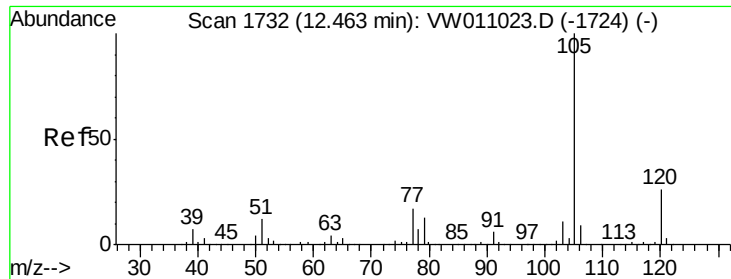
115 60.6 30.7 92.1

150 162.6 0.0 341.8



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: 17.967 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011031.D

Acq: 27 Jun 2019 22:39

Instrument :

MSVOA_W

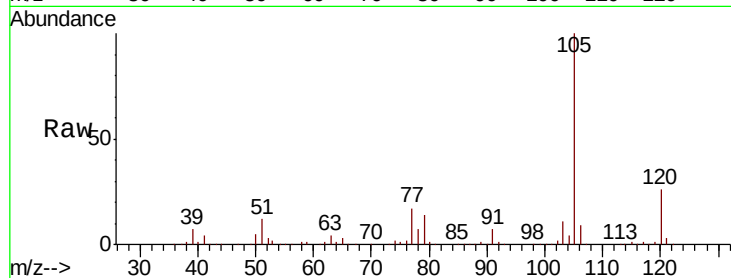
ClientSampleId :

Tot Ion:105 Resp: 213289

Ion Ratio Lower Upper

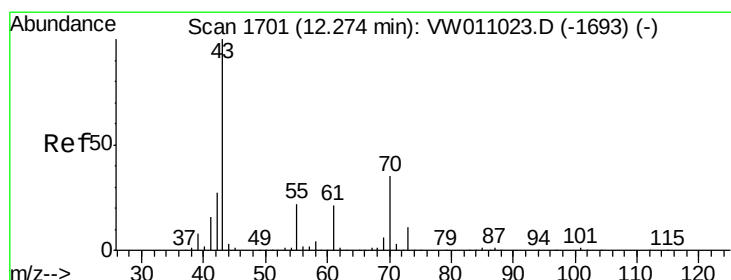
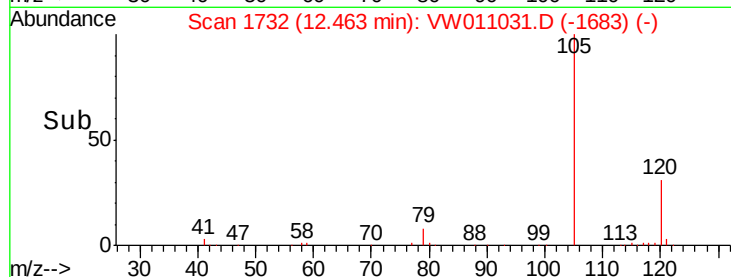
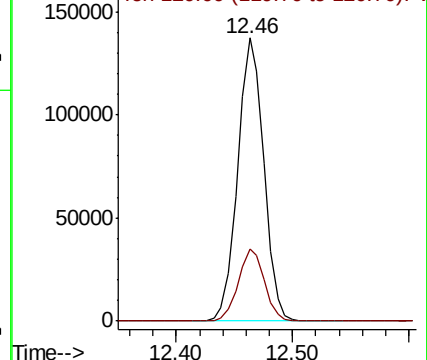
105 100

120 25.5 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.647 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011031.D

Acq: 27 Jun 2019 22:39

Tgt Ion: 43 Resp: 78328

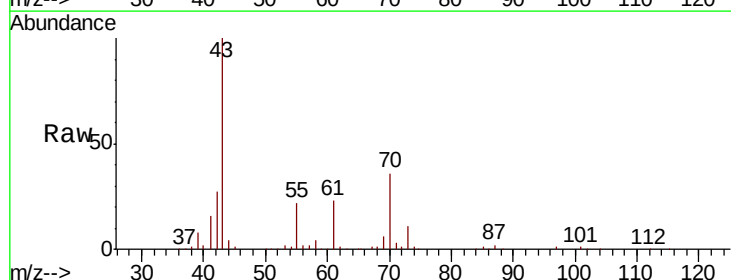
Ion Ratio Lower Upper

43 100

70 36.3 28.2 42.4

55 22.2 17.8 26.8

61 21.5 16.6 24.8

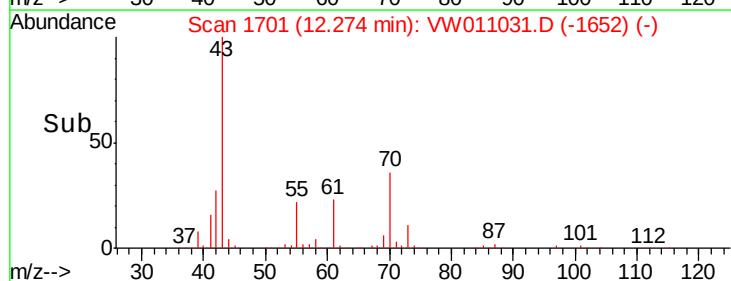
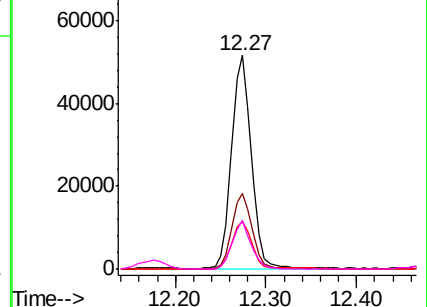


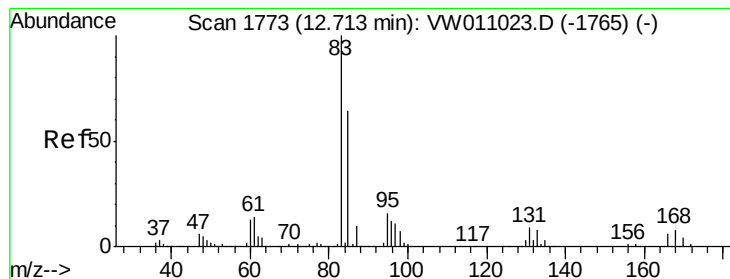
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 19.565 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011031.D

Acq: 27 Jun 2019 22:39

Instrument :

MSVOA_W

ClientSampleId :

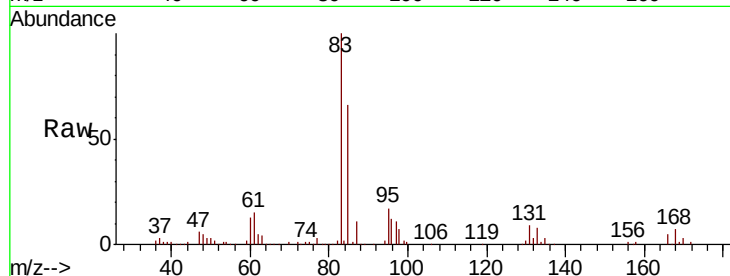
Tot Ion: 83 Resp: 45609

Ion Ratio Lower Upper

83 100

131 9.8 5.0 14.9

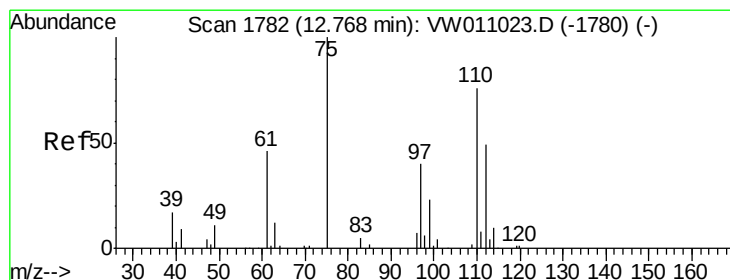
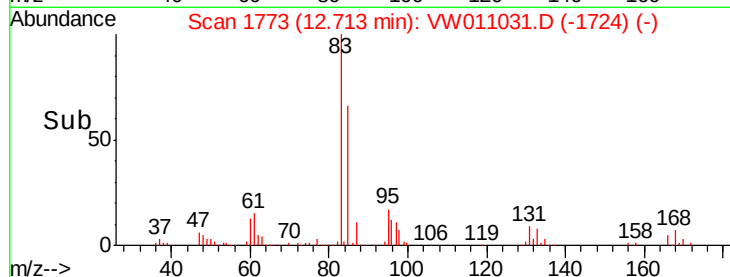
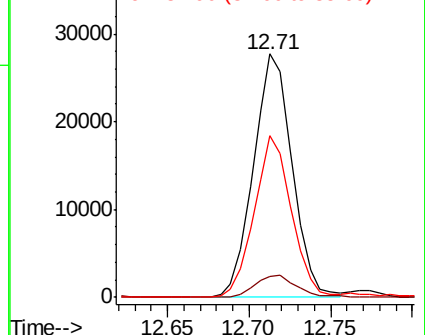
85 63.4 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 35.569 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011031.D

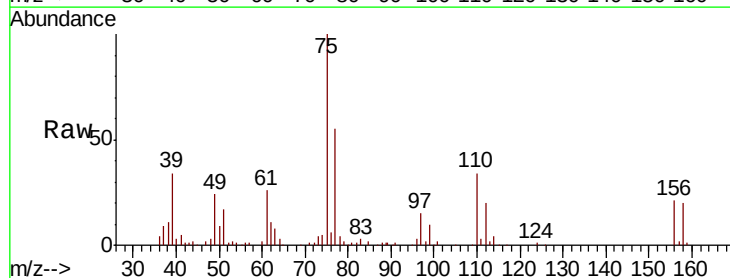
Acq: 27 Jun 2019 22:39

Tgt Ion: 75 Resp: 59507

Ion Ratio Lower Upper

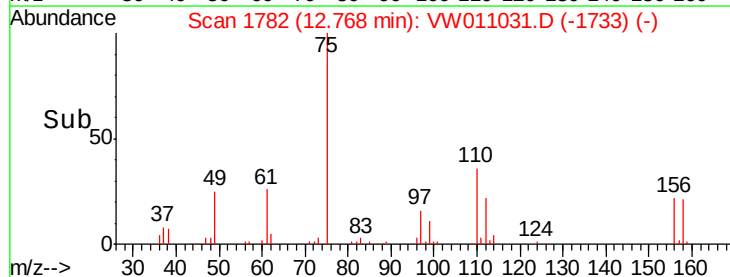
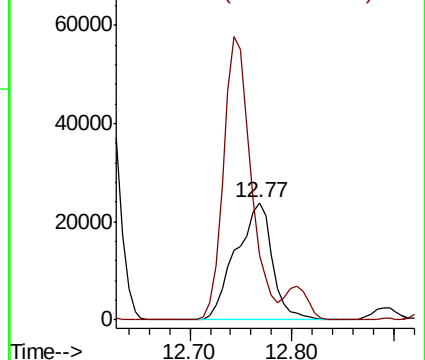
75 100

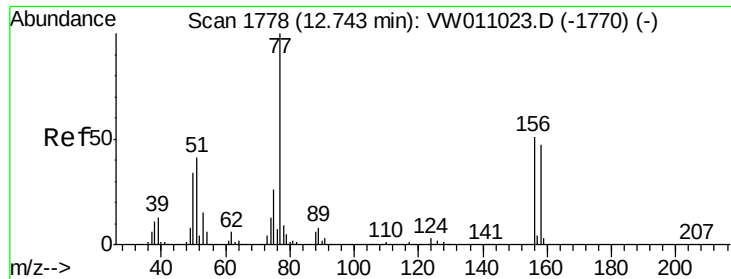
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.164 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW011031.D

Acq: 27 Jun 2019 22:39

Instrument :

MSVOA_W

ClientSampled :

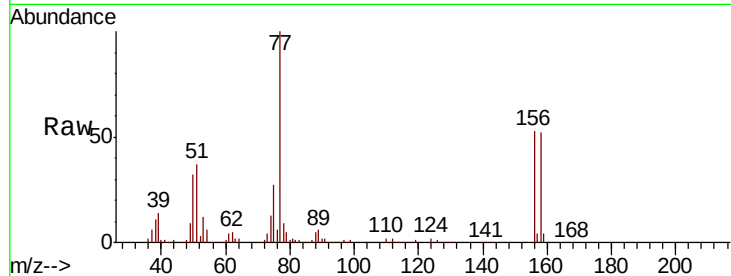
Tot Ion:156 Resp: 50005

Ion Ratio Lower Upper

156 100

77 216.6 109.5 328.5

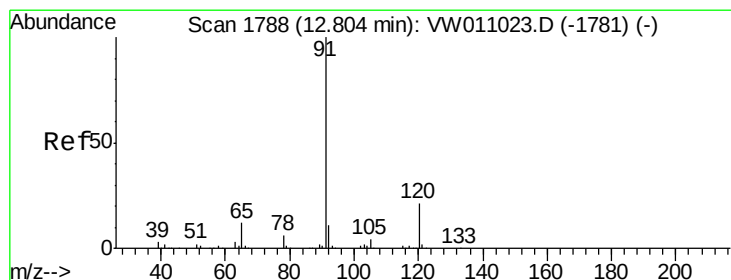
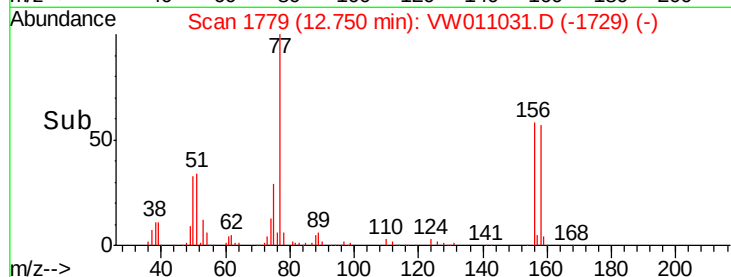
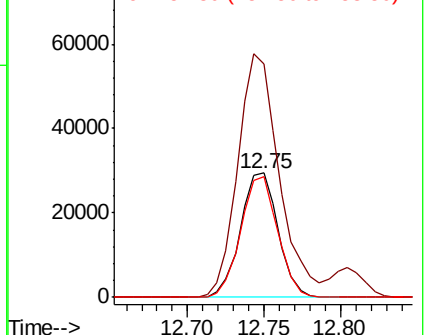
158 96.4 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.911 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011031.D

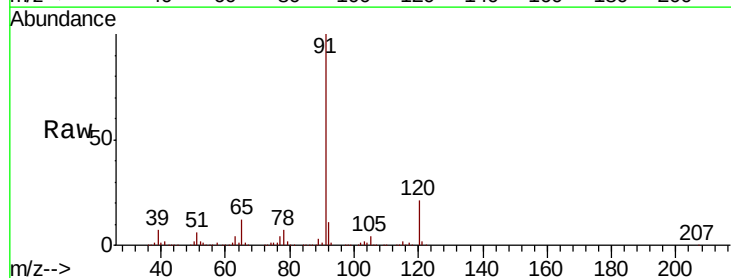
Acq: 27 Jun 2019 22:39

Tgt Ion: 91 Resp: 263313

Ion Ratio Lower Upper

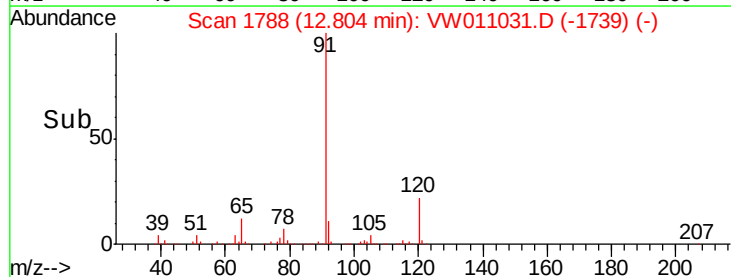
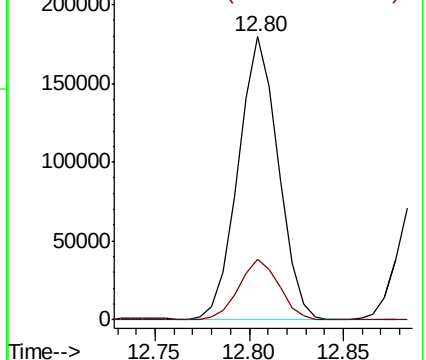
91 100

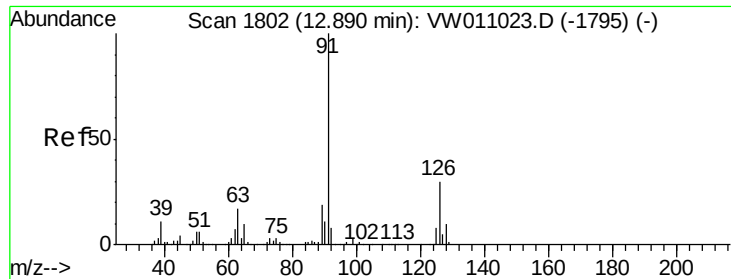
120 21.5 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.468 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW011031.D

Acq: 27 Jun 2019 22:39

Instrument :

MSVOA_W

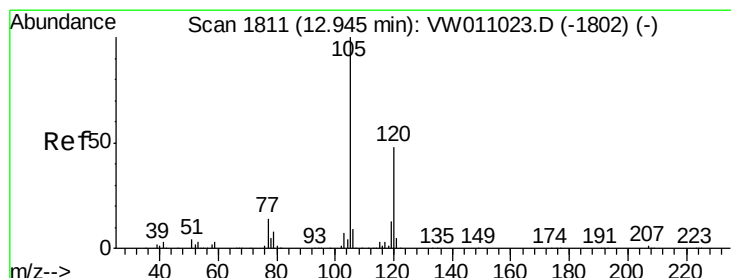
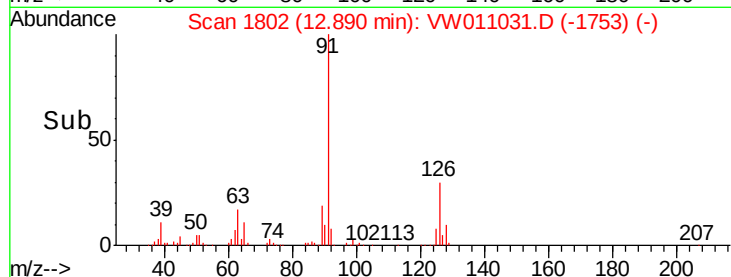
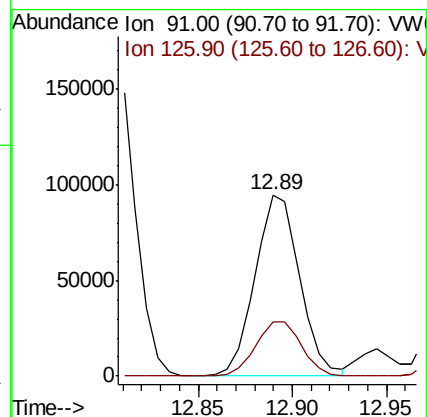
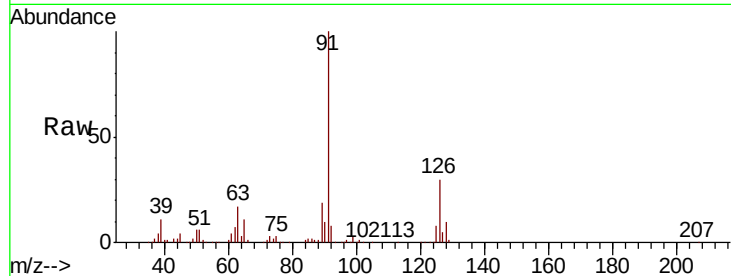
ClientSampleId :

Tot Ion: 91 Resp: 155110

Ion Ratio Lower Upper

91 100

126 31.0 15.4 46.4



#80

1,3,5-Trimethylbenzene

Concen: 18.248 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011031.D

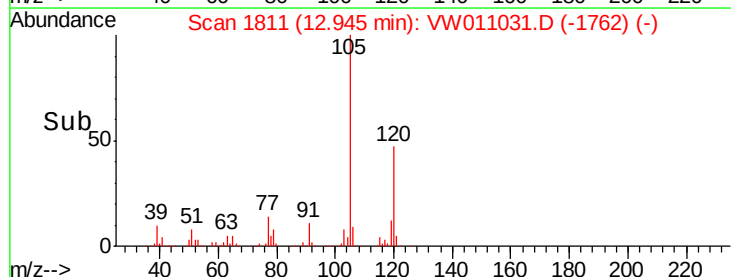
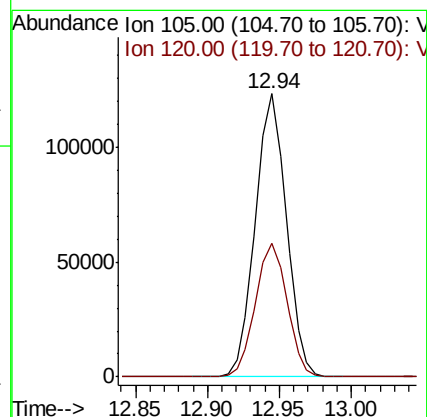
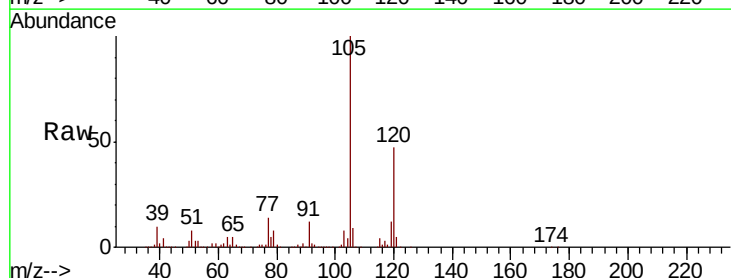
Acq: 27 Jun 2019 22:39

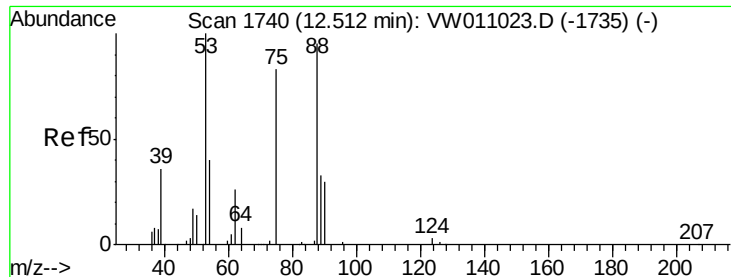
Tgt Ion:105 Resp: 183606

Ion Ratio Lower Upper

105 100

120 48.3 23.8 71.5

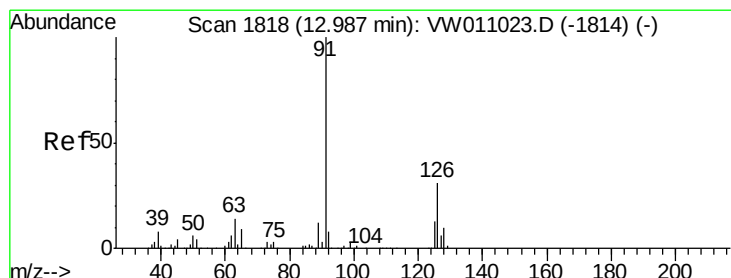
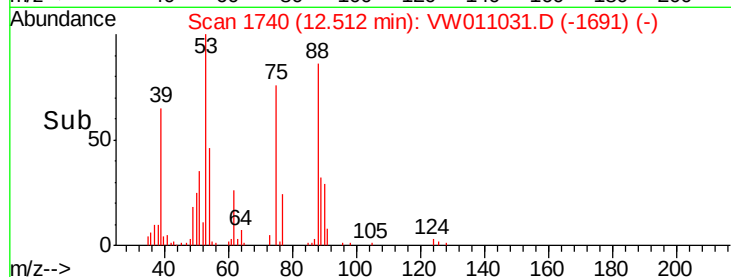
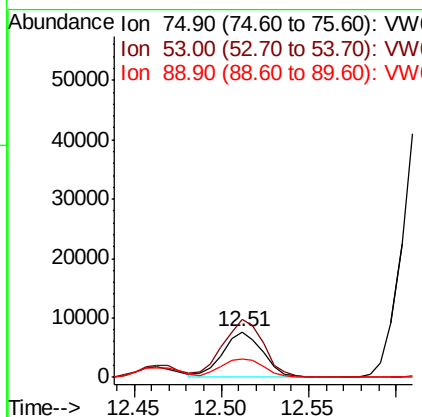
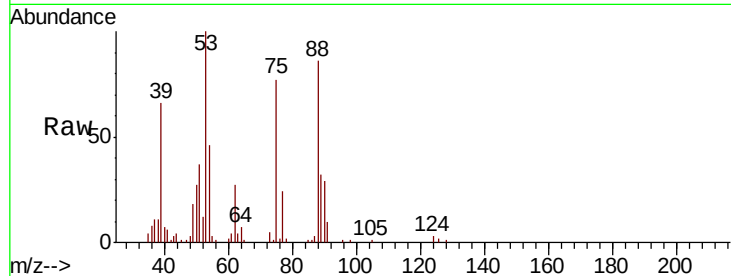




#81
trans-1,4-Dichloro-2-butene
Concen: 17.993 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011031.D
Acq: 27 Jun 2019 22:39

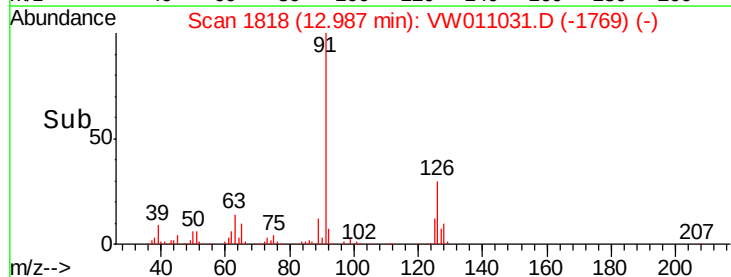
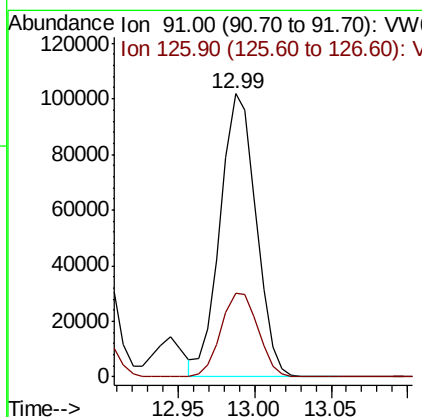
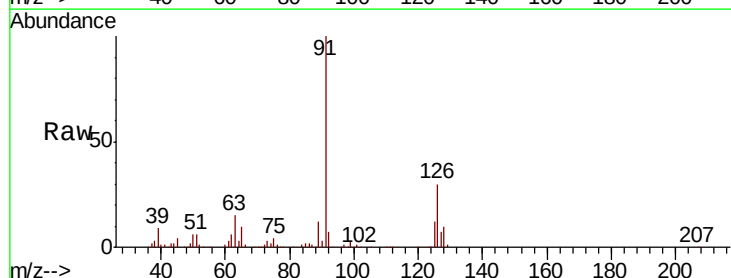
Instrument :
MSVOA_W
ClientSampleId :

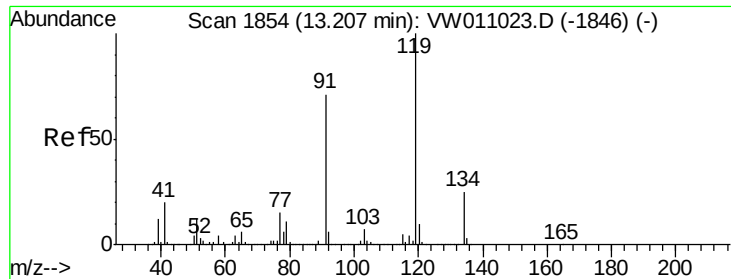
Tot Ion: 75 Resp: 11898
Ion Ratio Lower Upper
75 100
53 133.8 95.6 143.4
89 44.4 34.4 51.6



#82
4-Chlorotoluene
Concen: 18.911 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW011031.D
Acq: 27 Jun 2019 22:39

Tgt Ion: 91 Resp: 165514
Ion Ratio Lower Upper
91 100
126 30.7 15.7 47.1

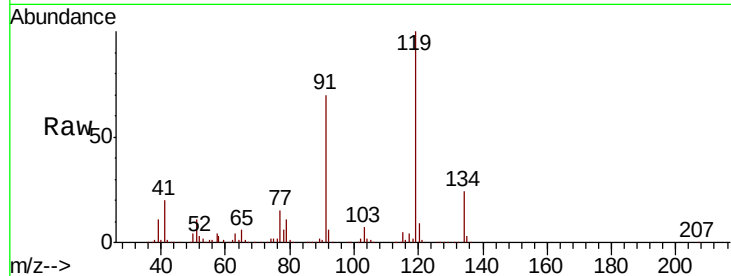




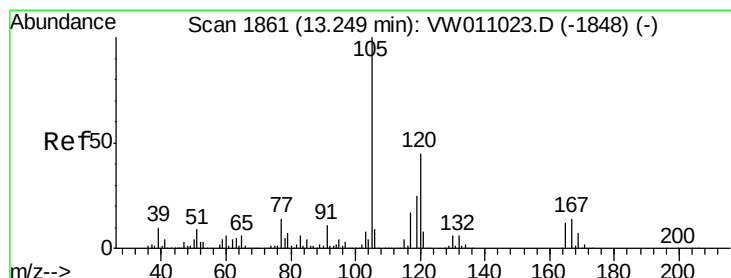
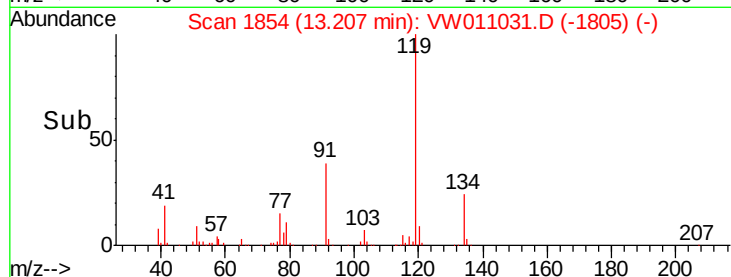
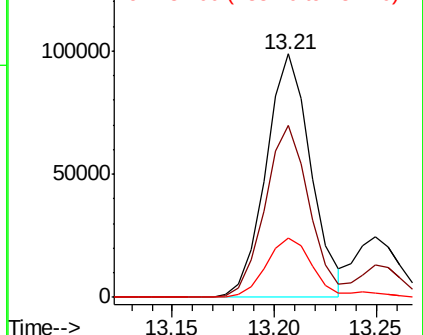
#83
tert-Butylbenzene
Concen: 18.089 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011031.D
Acq: 27 Jun 2019 22:39

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:119 Resp: 151774
Ion Ratio Lower Upper
119 100
91 71.1 35.5 106.5
134 26.4 12.4 37.2

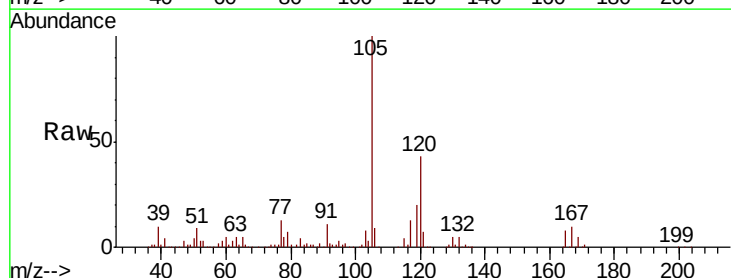


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

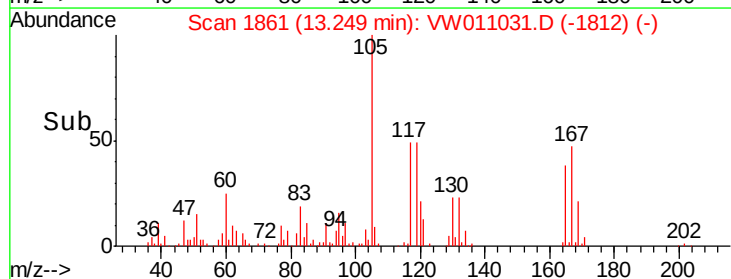
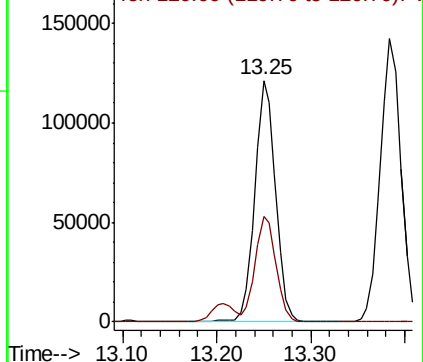


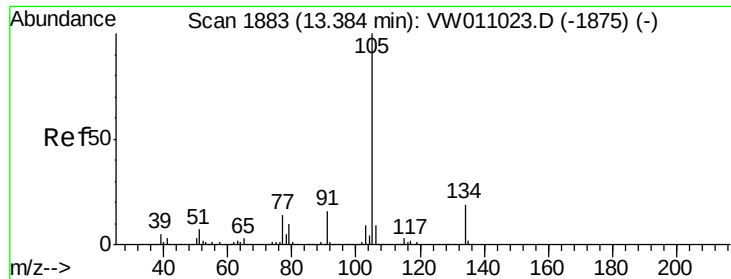
#84
1,2,4-Trimethylbenzene
Concen: 18.554 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011031.D
Acq: 27 Jun 2019 22:39

Tgt Ion:105 Resp: 188697
Ion Ratio Lower Upper
105 100
120 43.9 22.4 67.2



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





#85

sec-Butylbenzene

Concen: 17.842 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011031.D

Acq: 27 Jun 2019 22:39

Instrument :

MSVOA_W

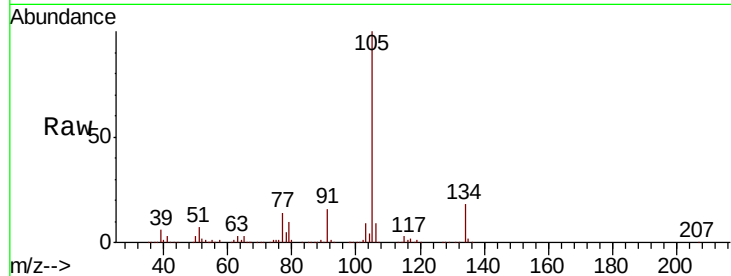
ClientSampleId :

Tot Ion:105 Resp: 217481

Ion Ratio Lower Upper

105 100

134 19.1 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

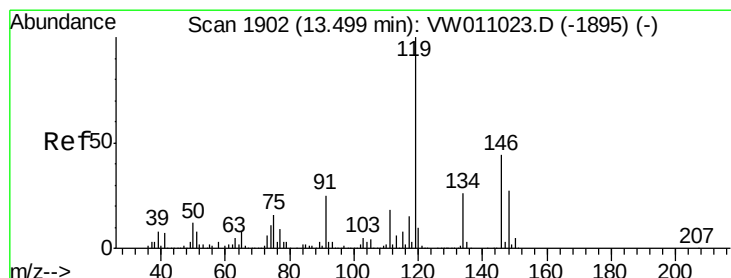
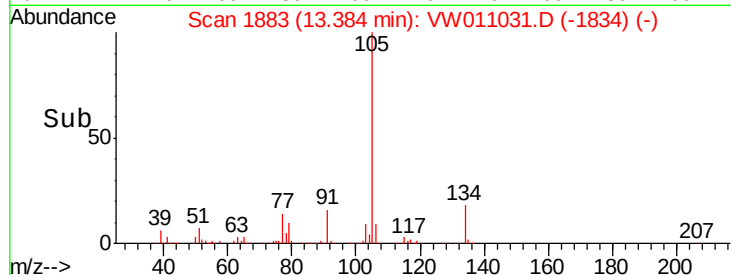
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 17.716 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011031.D

Acq: 27 Jun 2019 22:39

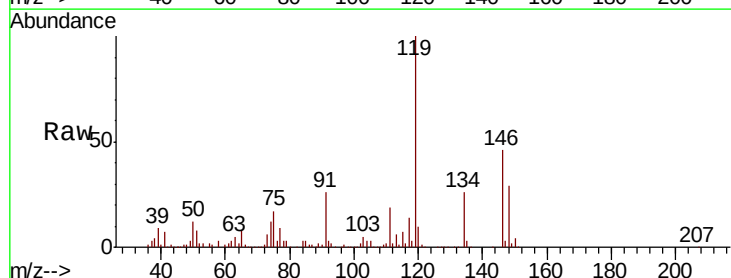
Tgt Ion:119 Resp: 194326

Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.7

91 25.3 12.3 36.9



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

13.50

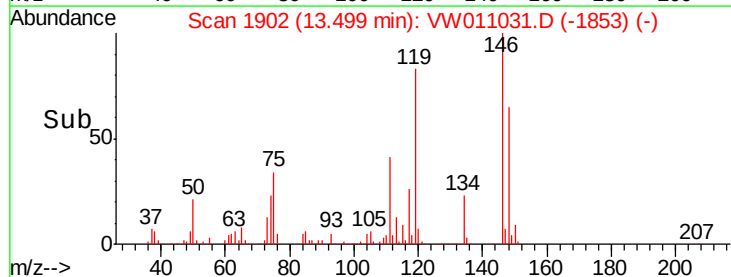
150000

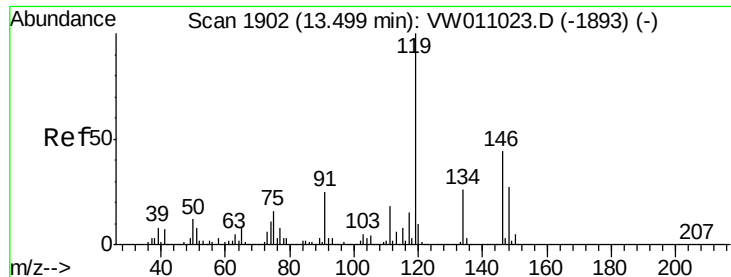
100000

50000

0

Time-->

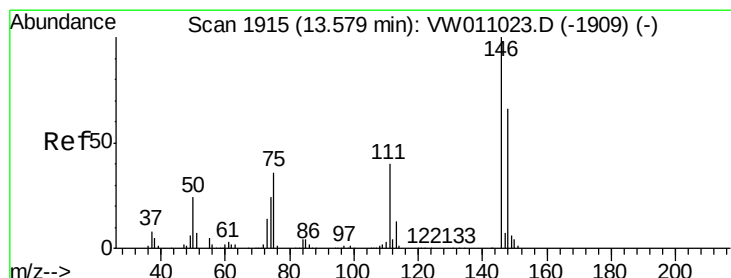
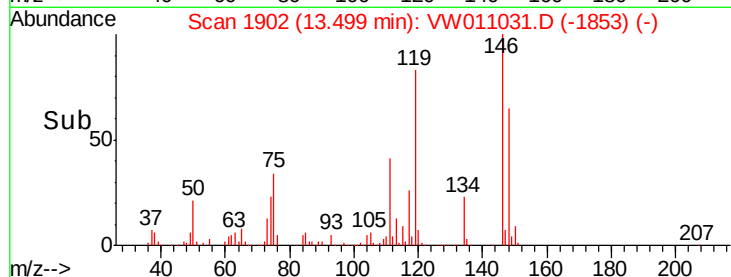
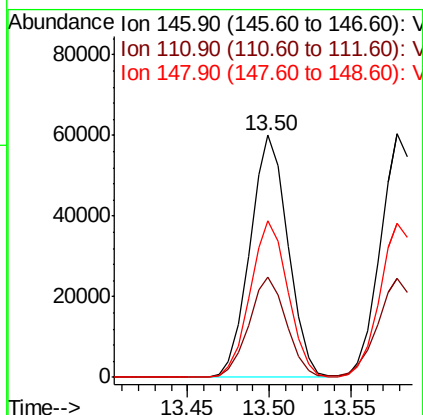
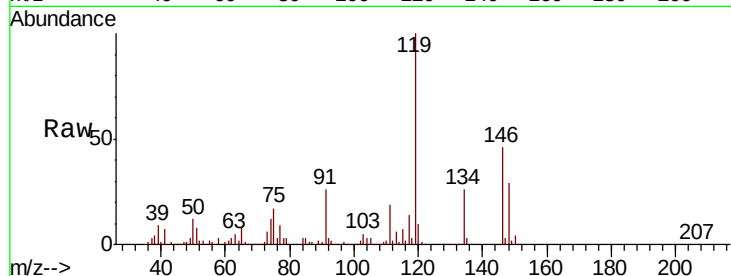




#87
 1,3-Dichlorobenzene
 Concen: 18.784 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011031.D
 Acq: 27 Jun 2019 22:39

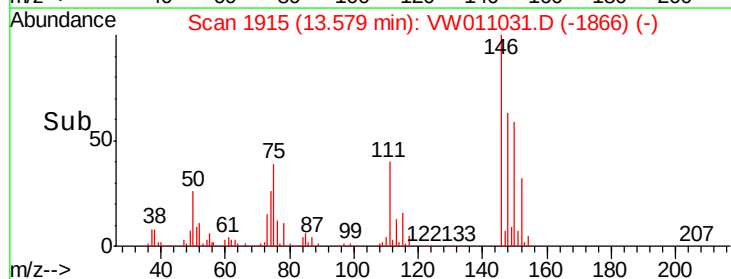
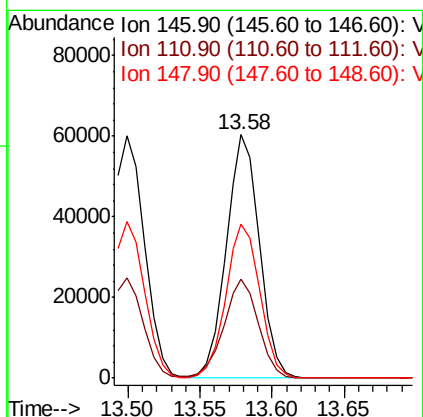
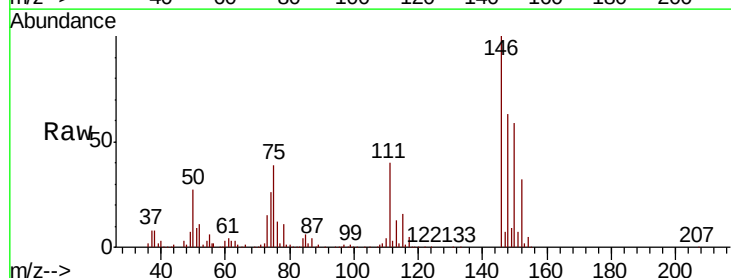
Instrument :
 MSVOA_W
 ClientSampleId :

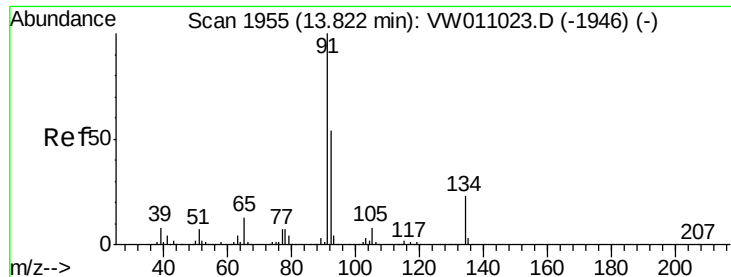
Tot Ion:146 Resp: 96956
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.9 62.8
 148 64.0 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 18.793 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011031.D
 Acq: 27 Jun 2019 22:39

Tgt Ion:146 Resp: 96830
 Ion Ratio Lower Upper
 146 100
 111 42.4 20.6 61.9
 148 64.9 32.4 97.2





#89

n-Butylbenzene

Concen: 17.298 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW011031.D

Acq: 27 Jun 2019 22:39

Instrument :

MSVOA_W

ClientSampleId :

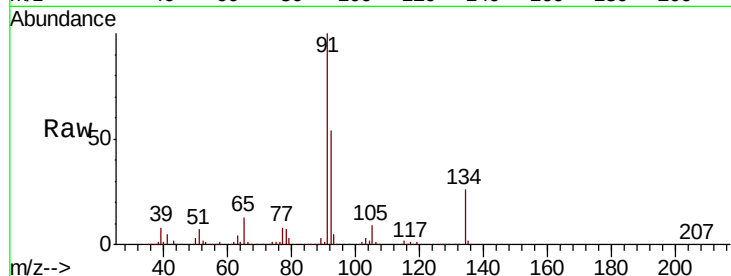
Tot Ion: 91 Resp: 192844

Ion Ratio Lower Upper

91 100

92 53.8 27.1 81.2

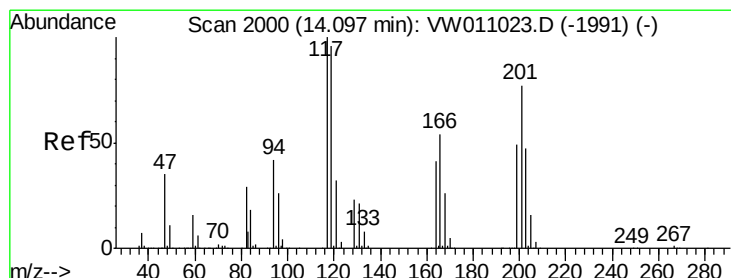
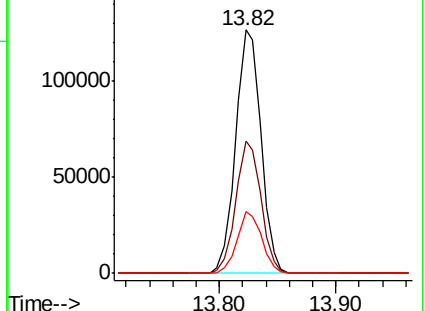
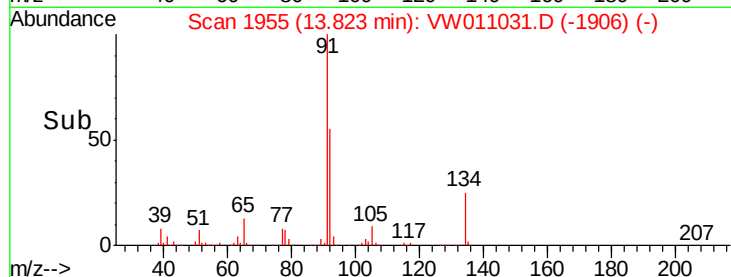
134 24.7 12.0 36.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 17.154 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW011031.D

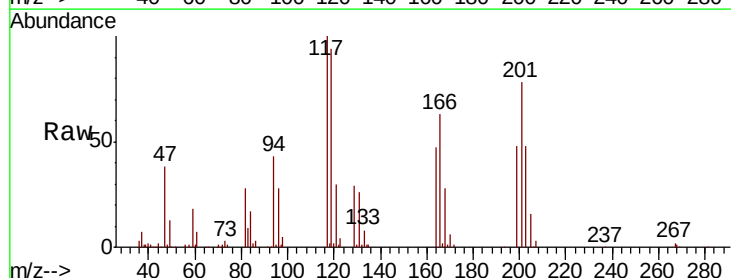
Acq: 27 Jun 2019 22:39

Tgt Ion: 117 Resp: 32194

Ion Ratio Lower Upper

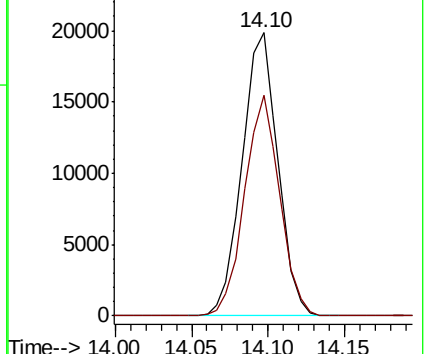
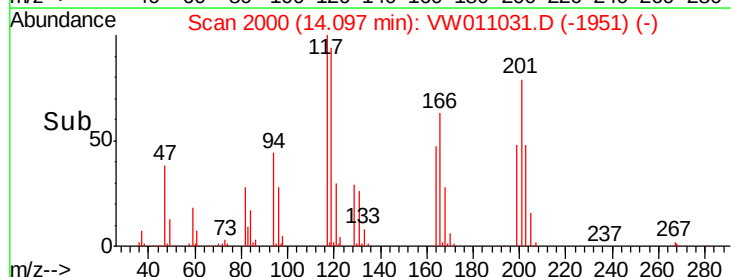
117 100

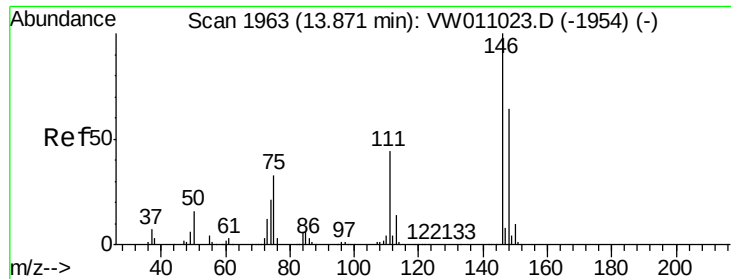
201 76.6 38.0 114.0



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

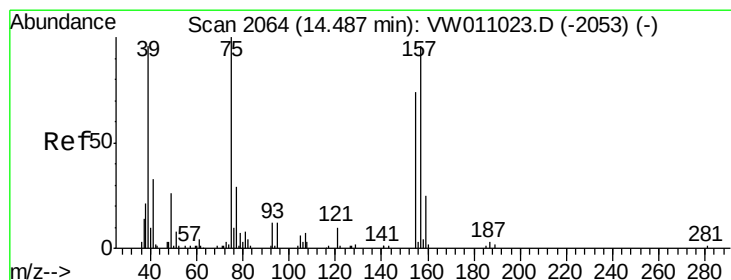
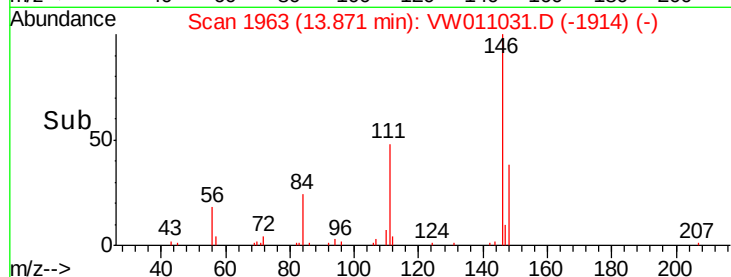
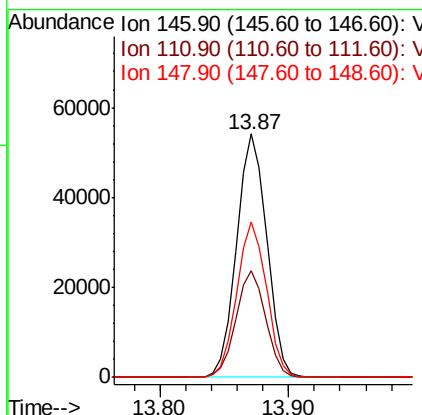
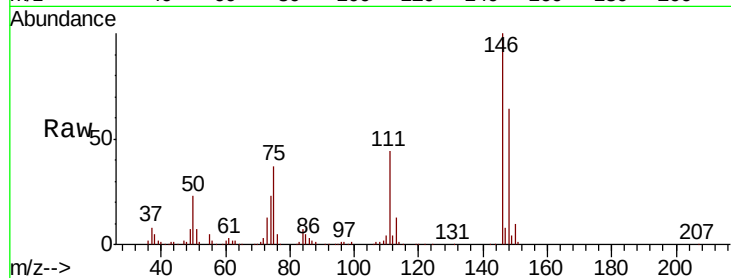




#91
 1,2-Dichlorobenzene
 Concen: 18.939 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011031.D
 Acq: 27 Jun 2019 22:39

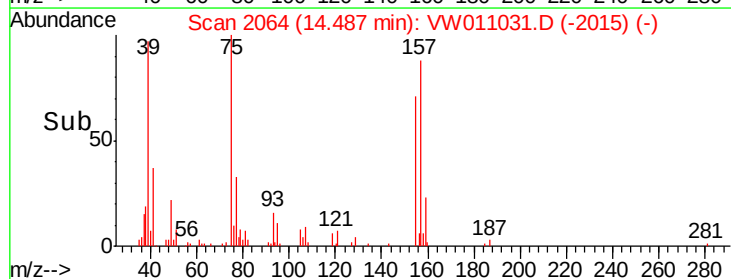
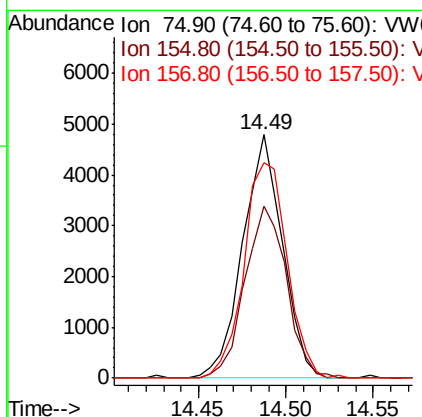
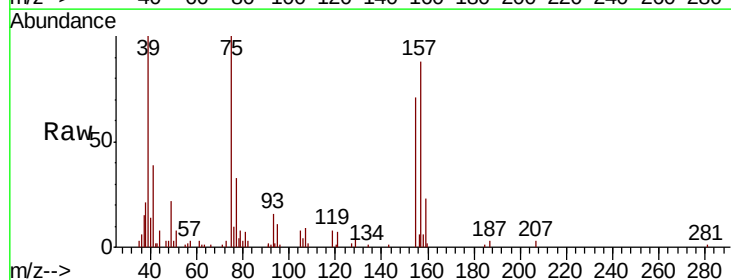
Instrument :
 MSVOA_W
 ClientSampleId :

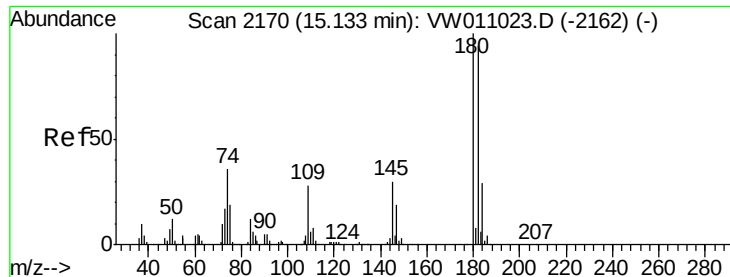
Tot Ion:146 Resp: 87800
 Ion Ratio Lower Upper
 146 100
 111 43.3 21.4 64.3
 148 62.9 31.8 95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.180 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011031.D
 Acq: 27 Jun 2019 22:39

Tgt Ion: 75 Resp: 7599
 Ion Ratio Lower Upper
 75 100
 155 74.2 37.0 110.9
 157 96.1 45.9 137.7

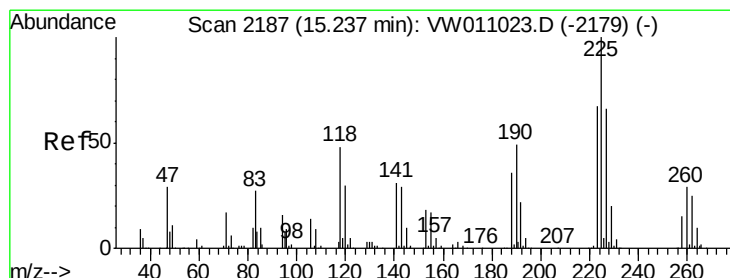
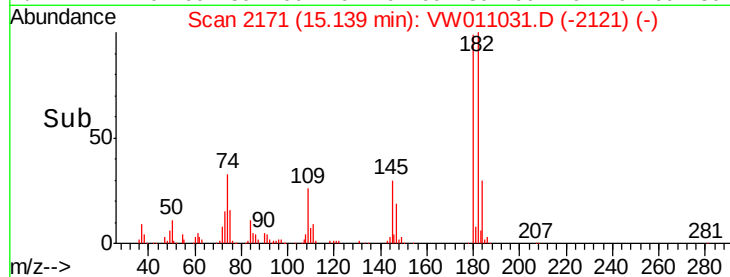
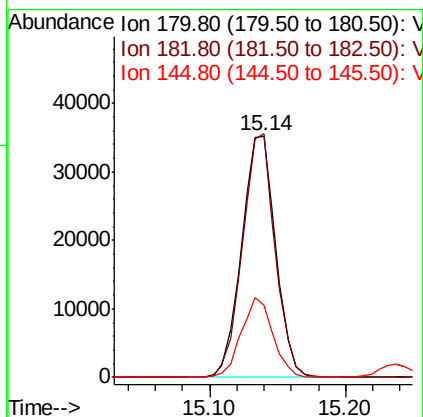
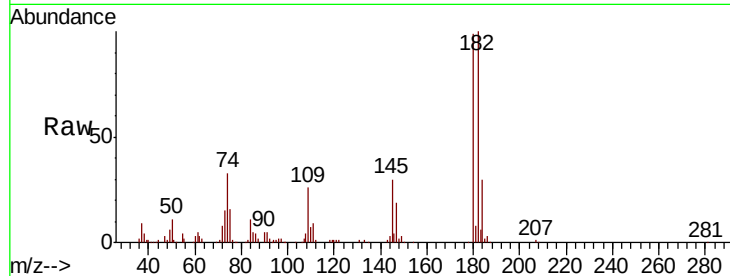




#93
 1,2,4-Trichlorobenzene
 Concen: 18.816 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW011031.D
 Acq: 27 Jun 2019 22:39

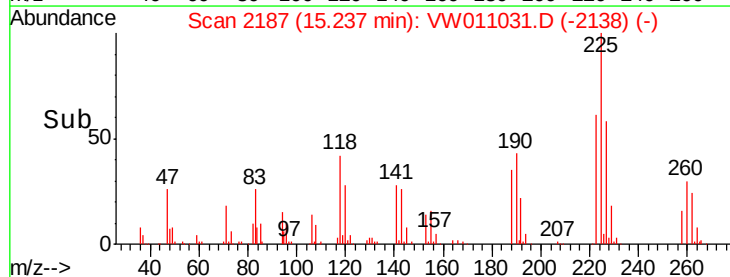
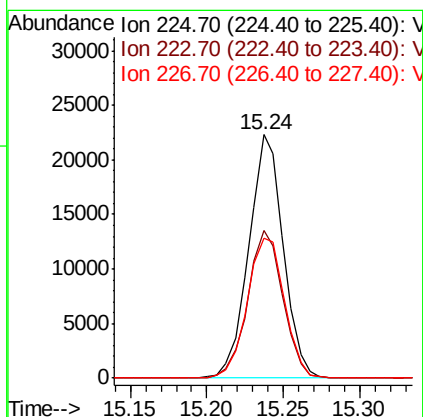
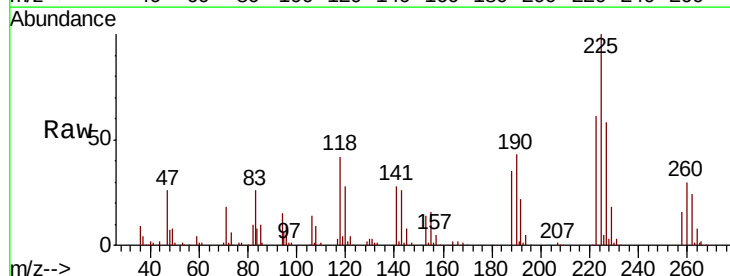
Instrument :
 MSVOA_W
 ClientSampleId :

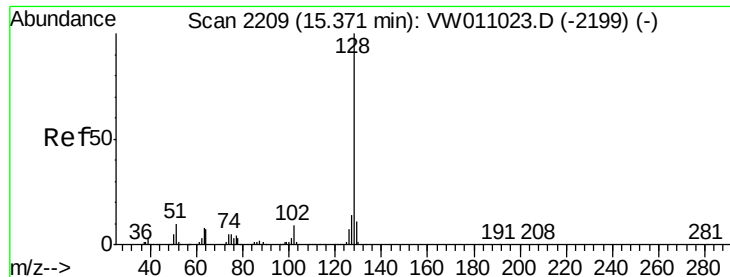
Tot Ion:180 Resp: 61372
 Ion Ratio Lower Upper
 180 100
 182 97.0 47.4 142.2
 145 31.0 15.3 45.8



#94
 Hexachlorobutadiene
 Concen: 17.627 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011031.D
 Acq: 27 Jun 2019 22:39

Tgt Ion:225 Resp: 34871
 Ion Ratio Lower Upper
 225 100
 223 62.2 31.9 95.9
 227 62.4 31.9 95.9

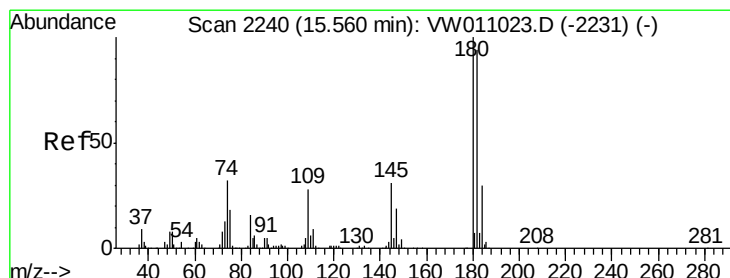
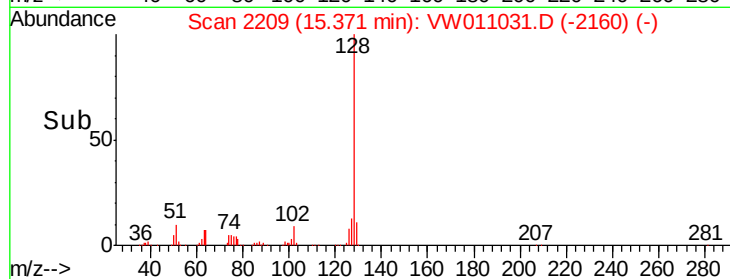
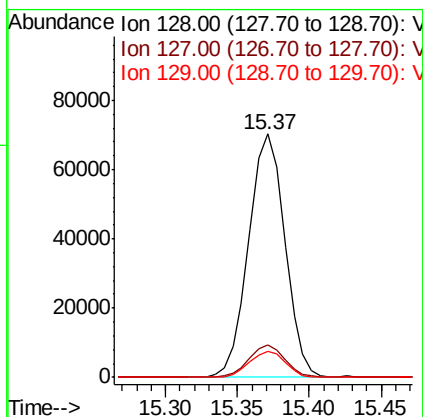
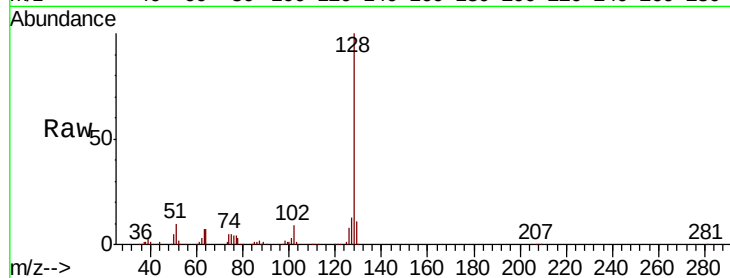




#95
Naphthalene
Concen: 20.001 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011031.D
Acq: 27 Jun 2019 22:39

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 122544
Ion Ratio Lower Upper
128 100
127 13.4 10.7 16.1
129 10.7 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 19.530 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011031.D
Acq: 27 Jun 2019 22:39

Tgt Ion:180 Resp: 56881
Ion Ratio Lower Upper
180 100
182 93.2 47.9 143.7
145 32.7 16.1 48.2

