

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062819\
 Data File : VW011030.D
 Acq On : 27 Jun 2019 22:12
 Operator : SY/VA
 Sample : VW0627SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 28 08:33:08 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	7.95	168	208355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	359231	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	327952	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	163095	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	143315	52.62	ug/l	0.00
Spiked Amount			Recovery	=	105.24%	
35) Dibromofluoromethane	7.88	113	107938	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	
50) Toluene-d8	10.32	98	437188	48.42	ug/l	0.00
Spiked Amount			Recovery	=	96.84%	
62) 4-Bromofluorobenzene	12.62	95	162010	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	35252	22.444	ug/l	97
3) Chloromethane	2.21	50	45203	21.468	ug/l	97
4) Vinyl Chloride	2.36	62	56428	20.582	ug/l	99
5) Bromomethane	2.76	94	29206	21.402	ug/l	97
6) Chloroethane	2.91	64	30202	20.895	ug/l	98
7) Trichlorofluoromethane	3.25	101	14390	17.861	ug/l	99
8) Diethyl Ether	3.67	74	30200	23.669	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	46335	20.449	ug/l	99
10) Methyl Iodide	4.27	142	69305	21.862	ug/l	99
11) Tert butyl alcohol	5.17	59	22222	112.334	ug/l	99
12) 1,1-Dichloroethene	4.03	96	47212	20.018	ug/l	97
13) Acrolein	3.89	56	14724	95.448	ug/l	95
14) Allyl chloride	4.66	41	78917	20.790	ug/l	100
15) Acrylonitrile	5.36	53	72585	115.523	ug/l	99
16) Acetone	4.12	43	70366	105.837	ug/l	97
17) Carbon Disulfide	4.38	76	135154	20.199	ug/l	99
18) Methyl Acetate	4.67	43	45317	26.313	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	79052	23.681	ug/l	95
20) Methylene Chloride	4.91	84	60193	22.283	ug/l	99
21) trans-1,2-Dichloroethene	5.41	96	51093	21.023	ug/l	99
22) Diisopropyl ether	6.31	45	207381	22.702	ug/l	98
23) Vinyl Acetate	6.25	43	606701	107.791	ug/l	99
24) 1,1-Dichloroethane	6.21	63	104300	21.631	ug/l	99
25) 2-Butanone	7.17	43	112906	111.722	ug/l	99
26) 2,2-Dichloropropane	7.16	77	44606	17.818	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	56648	21.648	ug/l	99
28) Bromochloromethane	7.51	49	45839	20.421	ug/l	98
29) Tetrahydrofuran	7.52	42	73950	117.547	ug/l	99
30) Chloroform	7.67	83	94591	21.593	ug/l	98
31) Cyclohexane	7.95	56	105615	20.271	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	66899	20.437	ug/l	99
36) 1,1-Dichloropropene	8.08	75	75558	19.569	ug/l	99
37) Ethyl Acetate	7.25	43	50232	22.363	ug/l	99
38) Carbon Tetrachloride	8.06	117	61615	19.378	ug/l	96

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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	92278	19.420	ug/l	99
40) Benzene	8.32	78	220719	20.784	ug/l	99
41) Methacrylonitrile	7.48	41	26779	19.596	ug/l #	88
42) 1,2-Dichloroethane	8.40	62	75635	21.722	ug/l	99
43) Isopropyl Acetate	8.42	43	94731	22.294	ug/l	99
44) Trichloroethene	9.09	130	51858	20.205	ug/l	98
45) 1,2-Dichloropropane	9.37	63	60573	21.004	ug/l	97
46) Dibromomethane	9.45	93	29559	21.916	ug/l	99
47) Bromodichloromethane	9.64	83	70046	20.976	ug/l	100
48) Methyl methacrylate	9.43	41	44895	21.791	ug/l	97
49) 1,4-Dioxane	9.44	88	10327	455.389	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	250638	112.056	ug/l	100
52) Toluene	10.38	92	133873	20.590	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	71072	20.434	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	86701	20.896	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	41258	21.652	ug/l	97
56) Ethyl methacrylate	10.65	69	63182	22.143	ug/l	98
57) 1,3-Dichloropropane	10.93	76	78614	21.689	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	140548	97.350	ug/l	100
59) 2-Hexanone	10.97	43	174838	112.089	ug/l	99
60) Dibromochloromethane	11.13	129	42259	21.149	ug/l	99
61) 1,2-Dibromoethane	11.23	107	38657	21.670	ug/l	100
64) Tetrachloroethene	10.86	164	50297	22.286	ug/l	94
65) Chlorobenzene	11.66	112	135673	20.210	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	47130	20.678	ug/l	99
67) Ethyl Benzene	11.73	91	258666	20.118	ug/l	99
68) m/p-Xylenes	11.84	106	186595	39.994	ug/l	100
69) o-Xylene	12.16	106	88447	20.353	ug/l	98
70) Styrene	12.18	104	155874	20.641	ug/l	99
71) Bromoform	12.35	173	23122	20.809	ug/l #	98
73) Isopropylbenzene	12.46	105	241233	19.744	ug/l	99
74) N-amyl acetate	12.27	43	88506	21.569	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	51000	21.256	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	63886	37.103	ug/l #	100
77) Bromobenzene	12.75	156	54404	20.258	ug/l	99
78) n-propylbenzene	12.80	91	296213	19.577	ug/l	99
79) 2-Chlorotoluene	12.89	91	173574	20.080	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	206187	19.910	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	14150	20.153	ug/l	96
82) 4-Chlorotoluene	12.99	91	183852	20.410	ug/l	98
83) tert-Butylbenzene	13.21	119	170878	19.787	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	212227	20.275	ug/l	99
85) sec-Butylbenzene	13.38	105	246482	19.648	ug/l	99
86) p-Isopropyltoluene	13.50	119	219703	19.462	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	107644	20.263	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	107317	20.237	ug/l	99
89) n-Butylbenzene	13.82	91	222556	19.396	ug/l	99
90) Hexachloroethane	14.09	117	36695	18.997	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	100129	20.986	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8563	21.000	ug/l	96

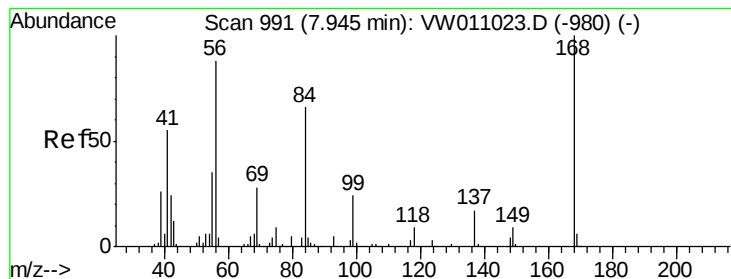
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	69214	20.618	ug/l	98
94) Hexachlorobutadiene	15.24	225	39744	19.520	ug/l	99
95) Naphthalene	15.37	128	139900	22.186	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	63879	21.311	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

Instrument :

MSVOA_W

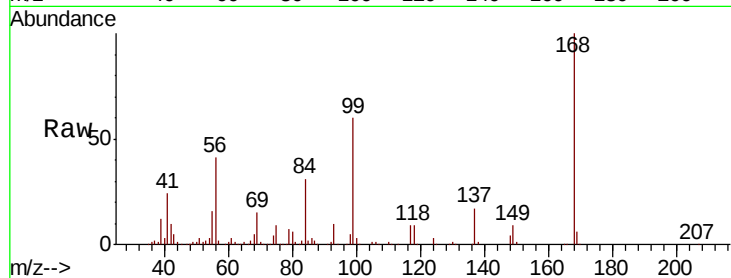
ClientSampled :

Tot Ion:168 Resp: 208355

Ion Ratio Lower Upper

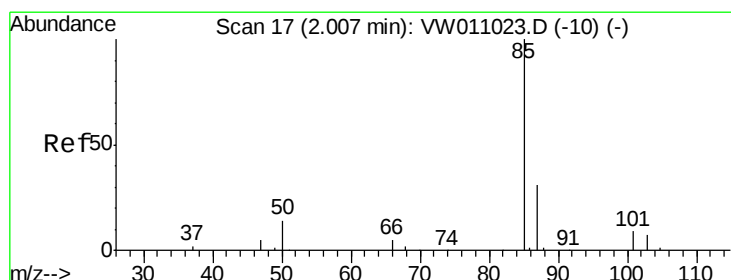
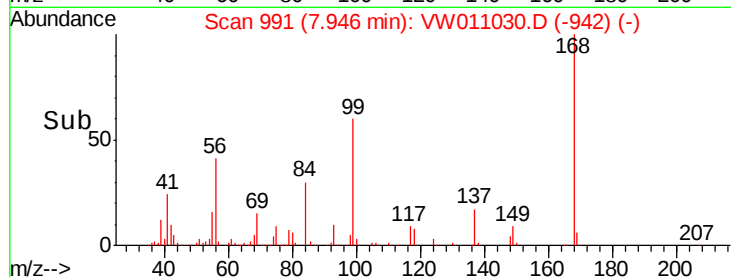
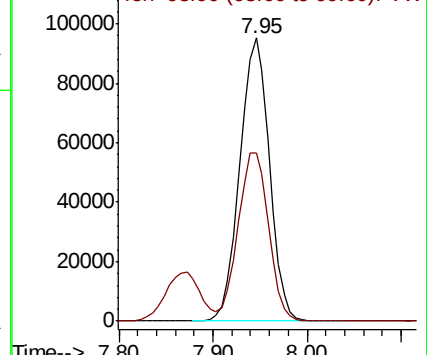
168 100

99 59.5 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 22.444 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011030.D

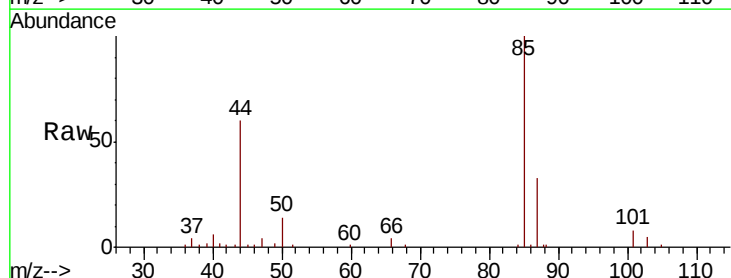
Acq: 27 Jun 2019 22:12

Tgt Ion: 85 Resp: 35252

Ion Ratio Lower Upper

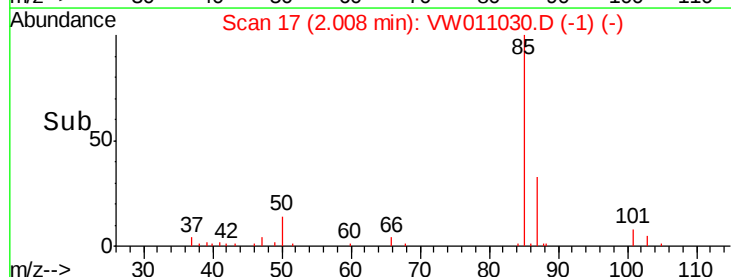
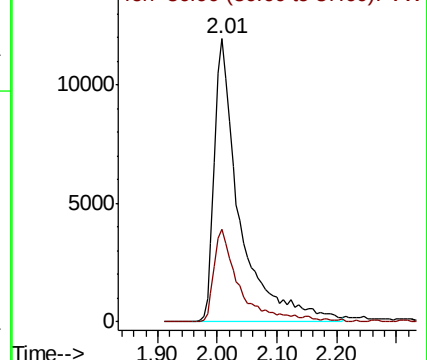
85 100

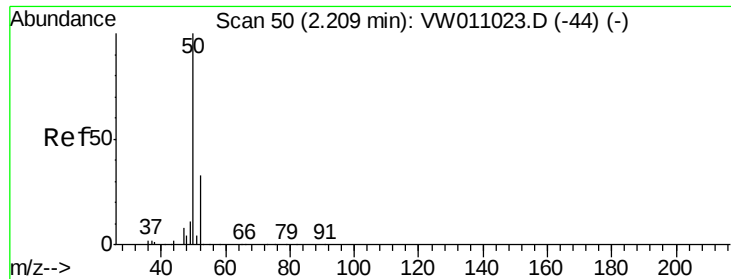
87 32.9 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 21.468 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

Instrument :

MSVOA_W

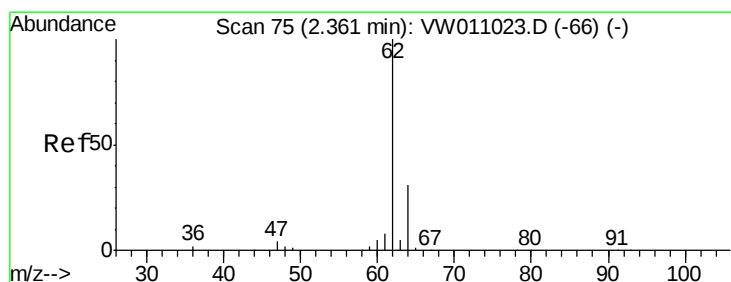
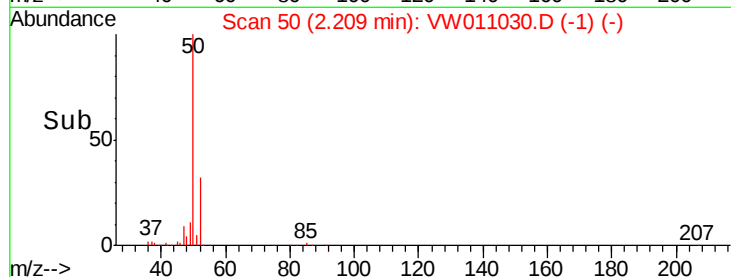
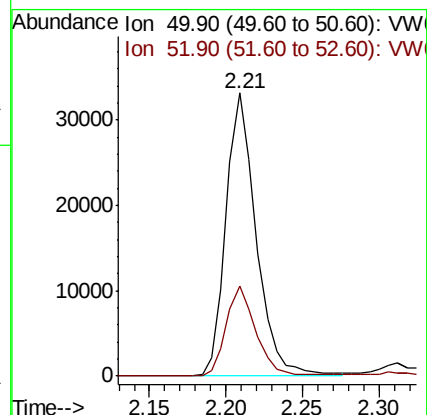
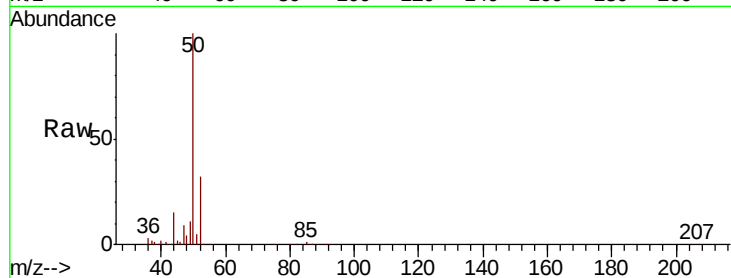
ClientSampled :

Tot Ion: 50 Resp: 45203

Ion Ratio Lower Upper

50 100

52 31.8 26.6 40.0



#4

Vinyl Chloride

Concen: 20.582 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011030.D

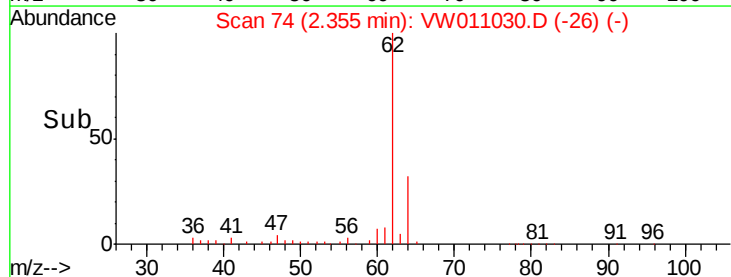
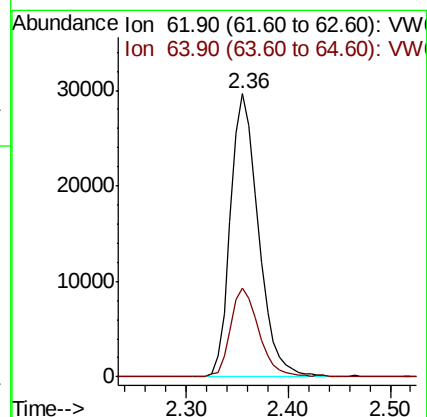
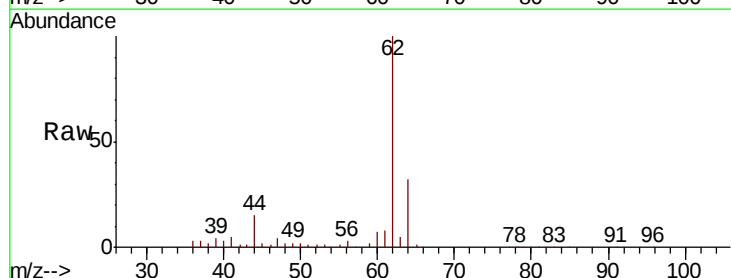
Acq: 27 Jun 2019 22:12

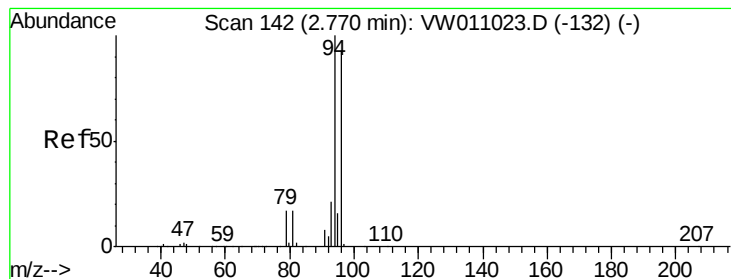
Tgt Ion: 62 Resp: 56428

Ion Ratio Lower Upper

62 100

64 31.6 24.8 37.2





#5

Bromomethane

Concen: 21.402 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

Instrument :

MSVOA_W

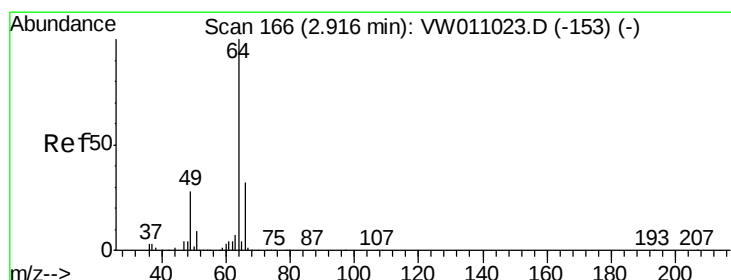
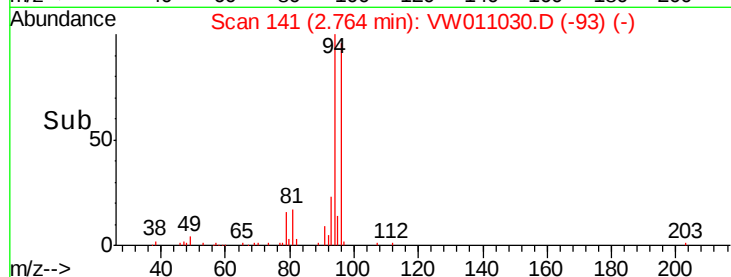
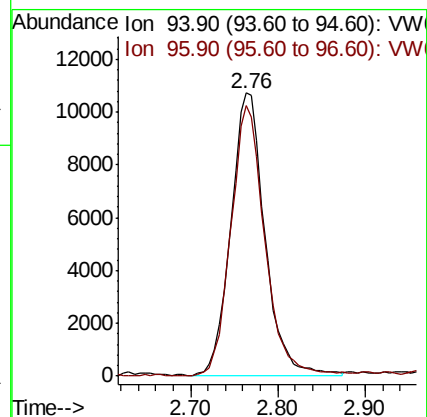
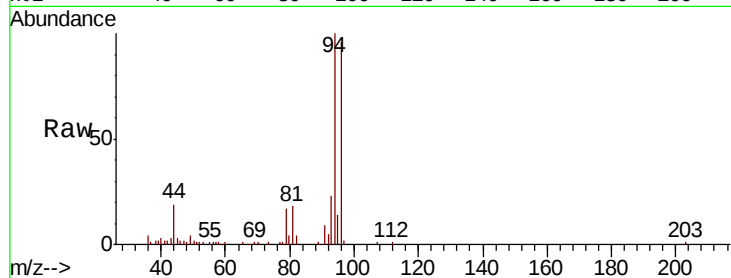
ClientSampleId :

Tot Ion: 94 Resp: 29206

Ion Ratio Lower Upper

94 100

96 95.8 74.2 111.2



#6

Chloroethane

Concen: 20.895 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011030.D

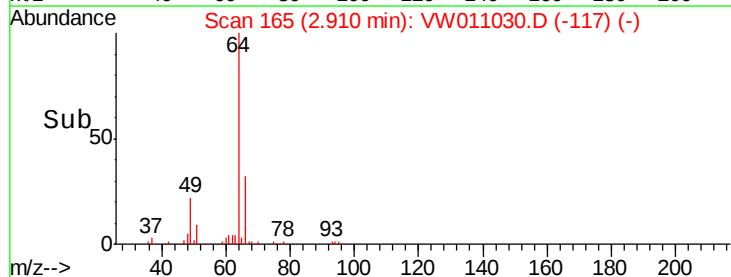
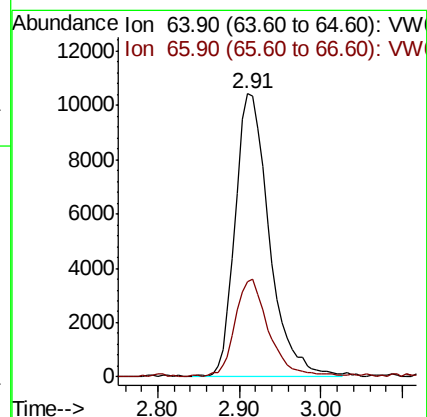
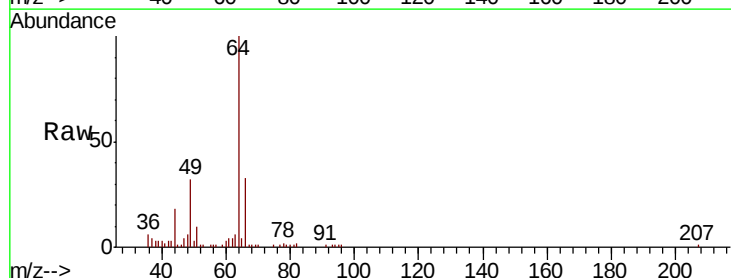
Acq: 27 Jun 2019 22:12

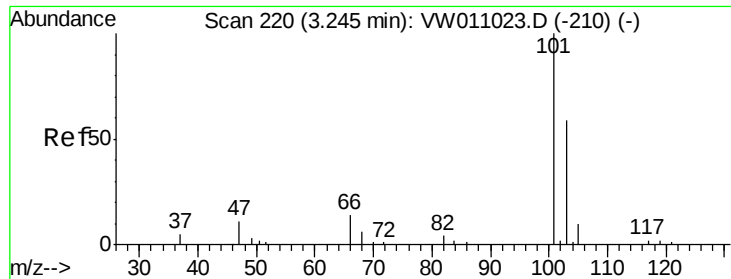
Tgt Ion: 64 Resp: 30202

Ion Ratio Lower Upper

64 100

66 33.0 25.7 38.5



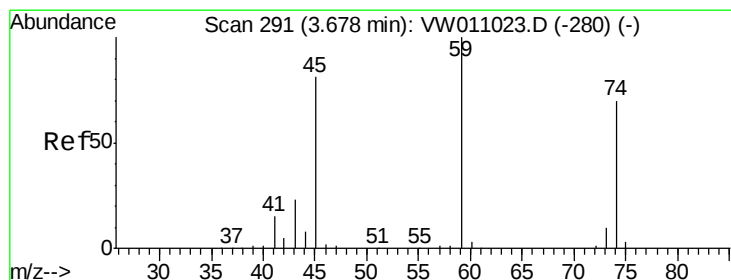
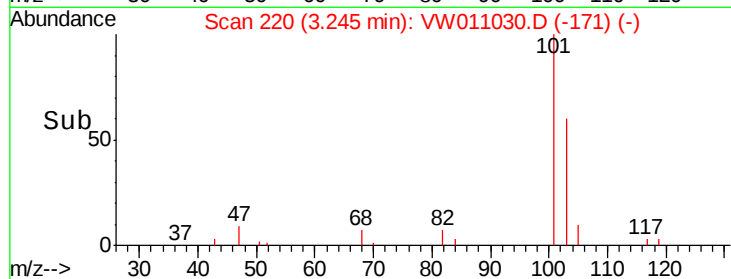
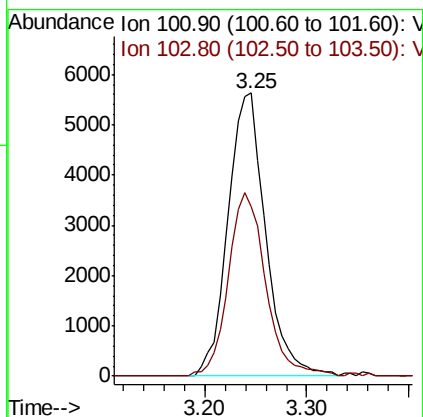
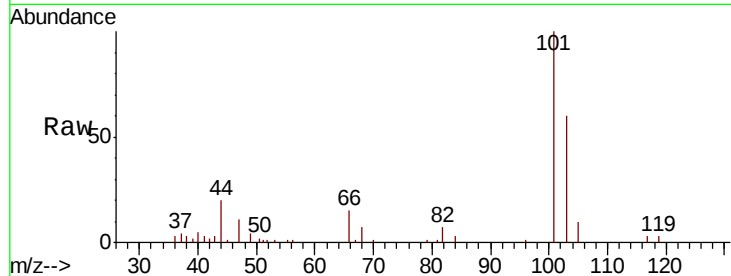


#7

Trichlorofluoromethane
 Concen: 17.861 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VW011030.D
 Acq: 27 Jun 2019 22:12

Instrument :
 MSVOA_W
 ClientSampleId :

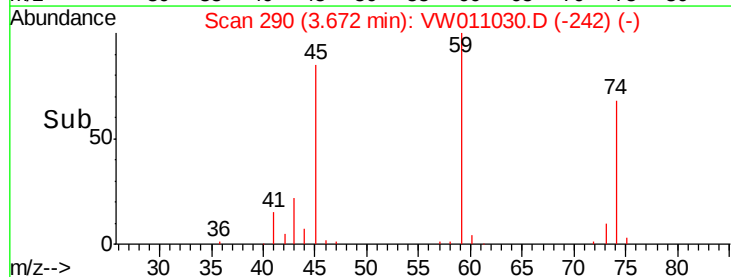
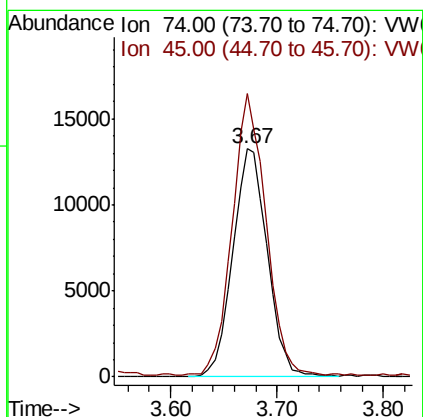
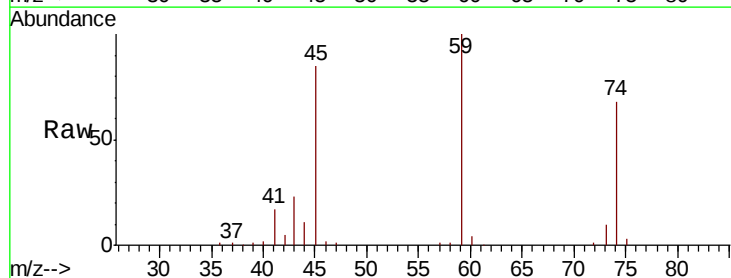
Tot Ion:101 Resp: 14390
 Ion Ratio Lower Upper
 101 100
 103 60.0 47.5 71.3

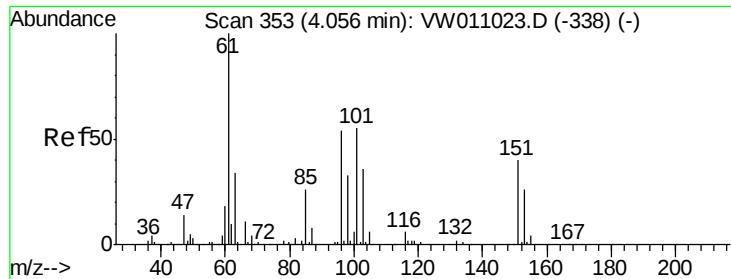


#8

Diethyl Ether
 Concen: 23.669 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW011030.D
 Acq: 27 Jun 2019 22:12

Tgt Ion: 74 Resp: 30200
 Ion Ratio Lower Upper
 74 100
 45 120.7 59.5 178.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.449 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

Instrument :

MSVOA_W

ClientSampled :

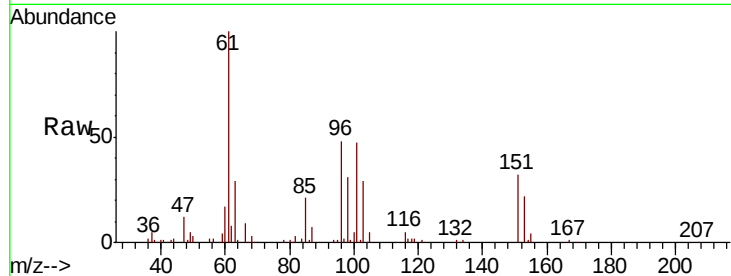
Tot Ion:101 Resp: 46335

Ion Ratio Lower Upper

101 100

85 45.8 36.6 55.0

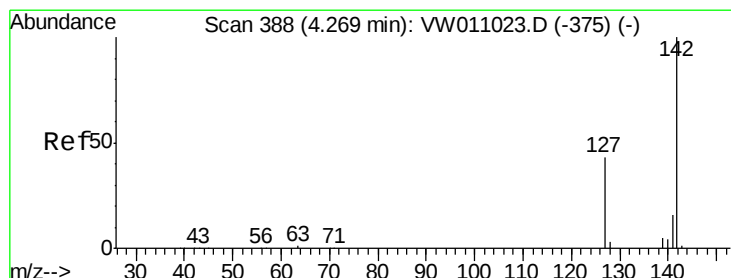
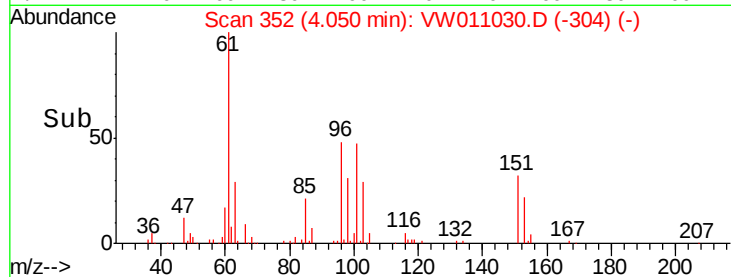
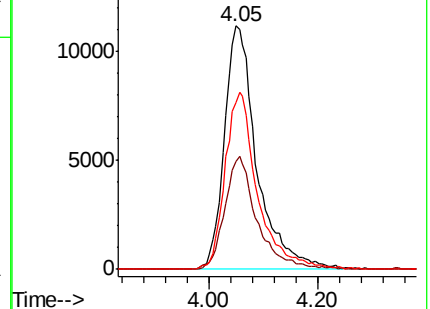
151 72.6 58.9 88.3



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: 21.862 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

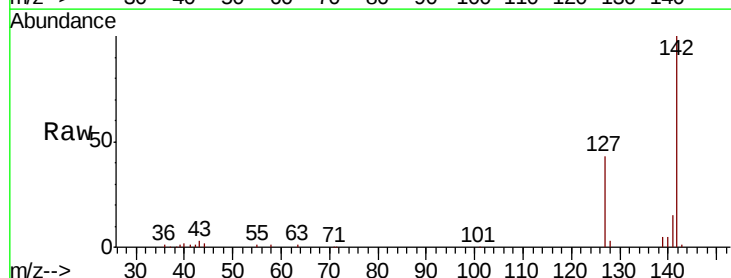
Tgt Ion:142 Resp: 69305

Ion Ratio Lower Upper

142 100

127 43.8 35.8 53.8

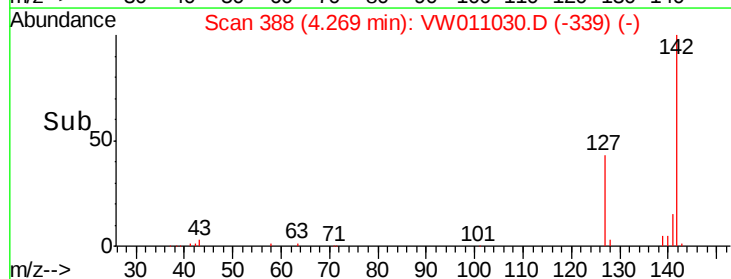
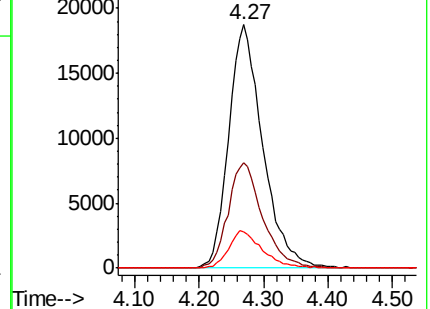
141 15.0 12.2 18.2

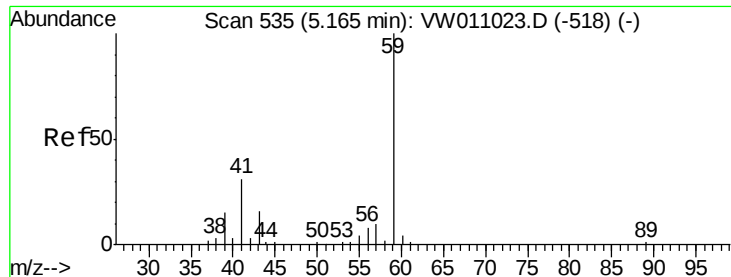


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

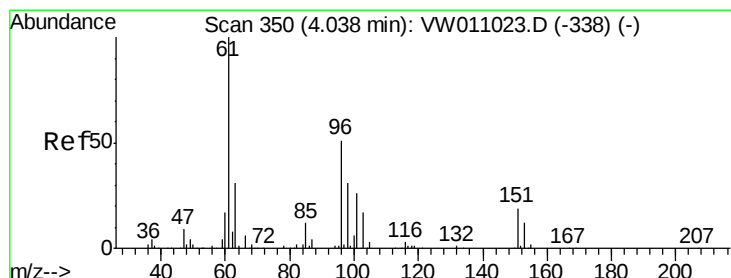
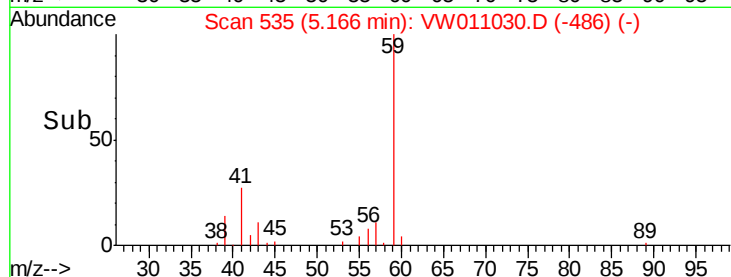
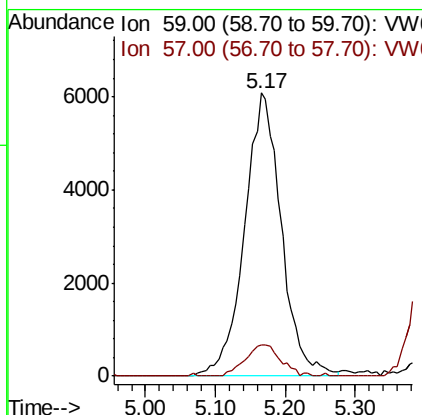
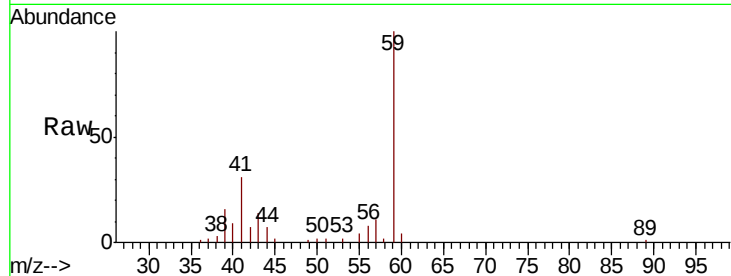




#11
Tert butyl alcohol
Concen: 112.334 ug/l
RT: 5.17 min Scan# 535
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

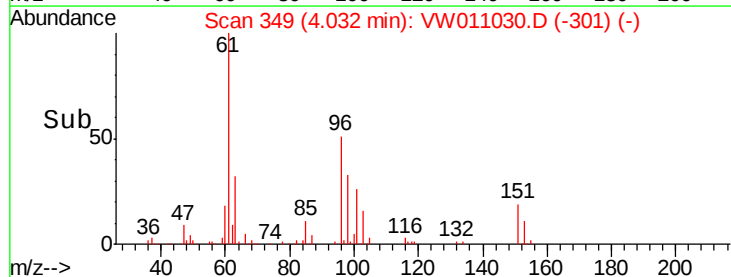
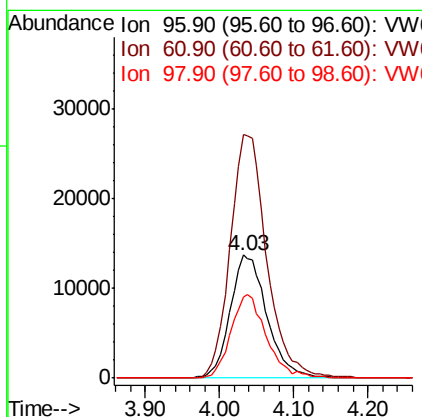
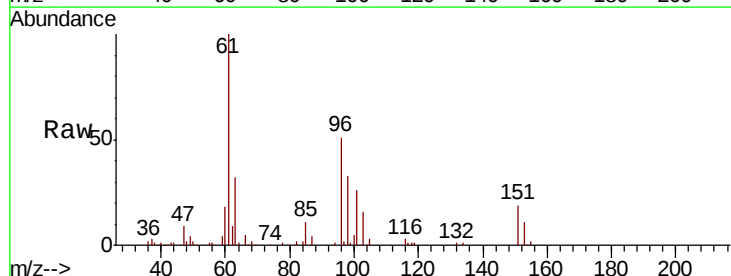
Instrument :
MSVOA_W
ClientSampled :

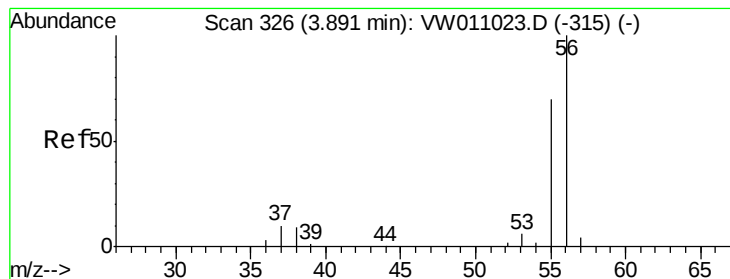
Tot Ion: 59 Resp: 22222
Ion Ratio Lower Upper
59 100
57 10.7 9.0 13.4



#12
1,1-Dichloroethene
Concen: 20.018 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Tgt Ion: 96 Resp: 47212
Ion Ratio Lower Upper
96 100
61 197.8 156.0 234.0
98 66.0 48.7 73.1





#13

Acrolein

Concen: 95.448 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

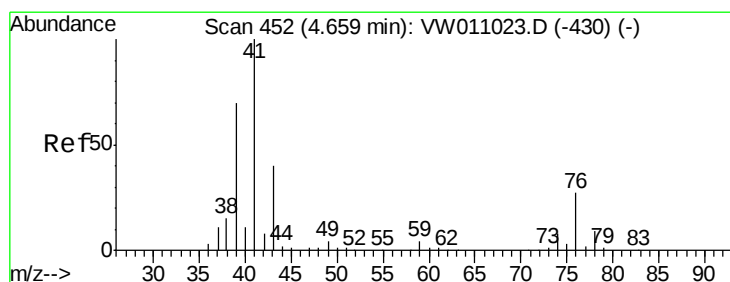
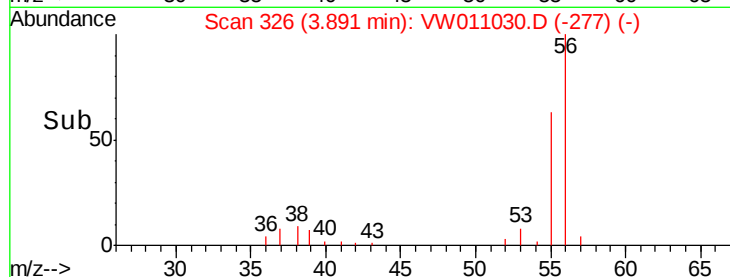
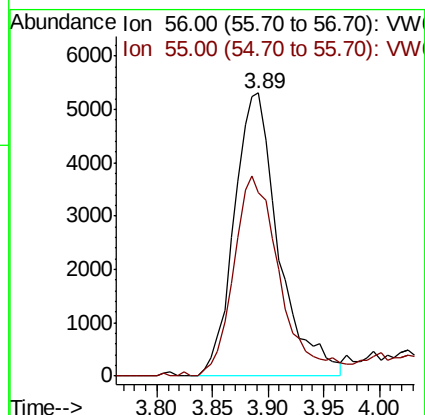
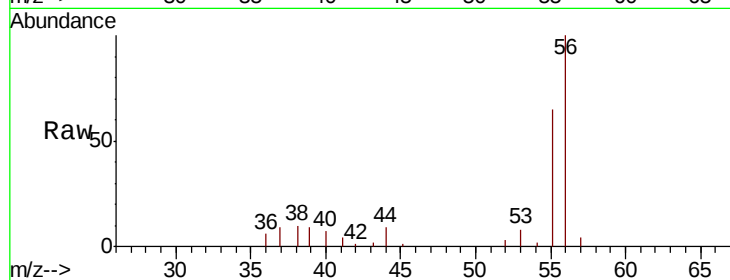
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 14724

Ion Ratio Lower Upper

56 100

55 74.0 55.7 83.5



#14

Allyl chloride

Concen: 20.790 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

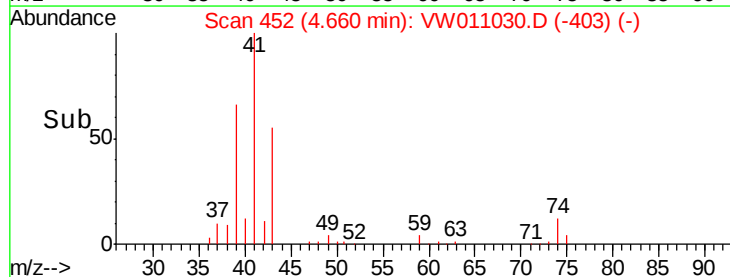
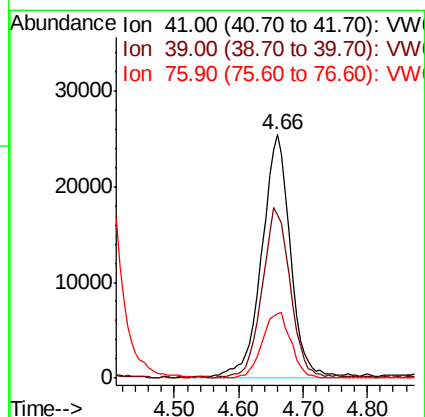
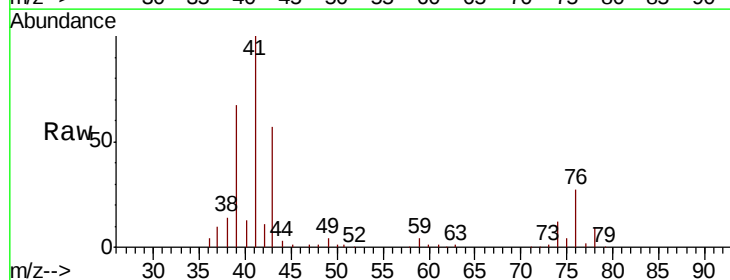
Tgt Ion: 41 Resp: 78917

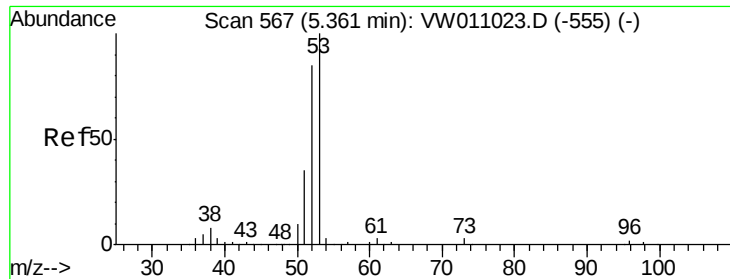
Ion Ratio Lower Upper

41 100

39 69.2 55.4 83.2

76 26.8 22.0 33.0





#15

Acrylonitrile

Concen: 115.523 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

Instrument :

MSVOA_W

ClientSampleId :

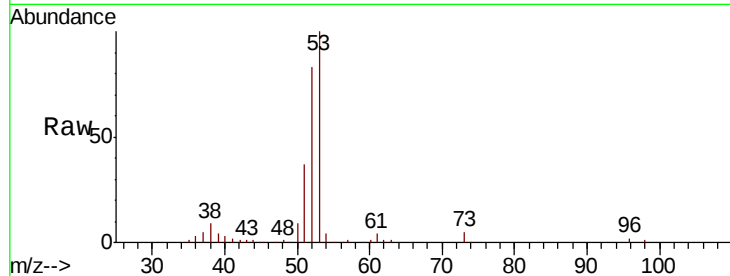
Tot Ion: 53 Resp: 72585

Ion Ratio Lower Upper

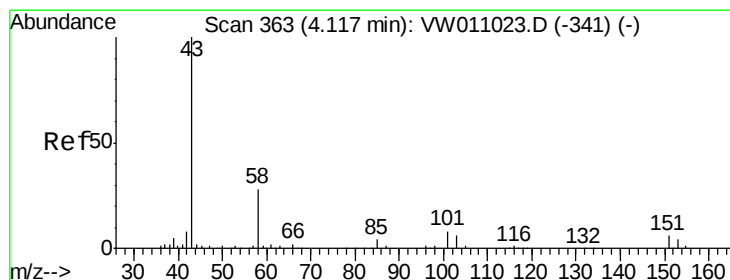
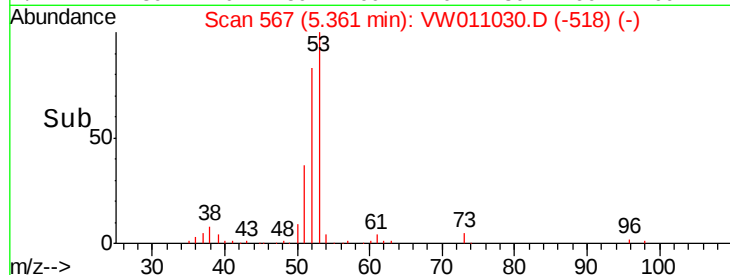
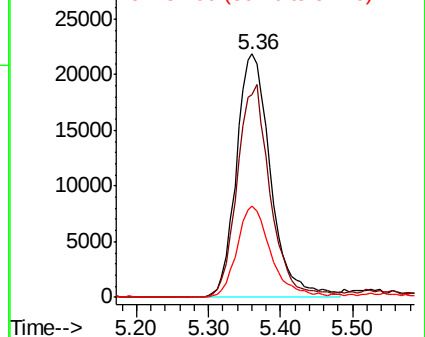
53 100

52 83.7 66.3 99.5

51 36.9 29.8 44.6



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



#16

Acetone

Concen: 105.837 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011030.D

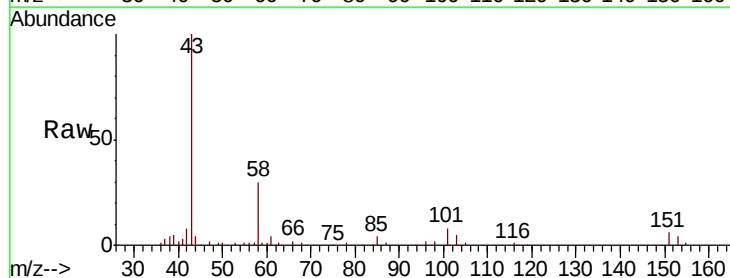
Acq: 27 Jun 2019 22:12

Tgt Ion: 43 Resp: 70366

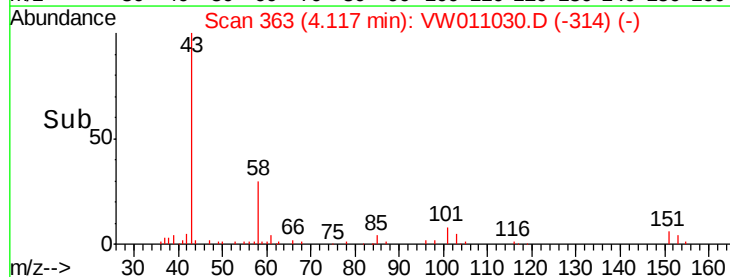
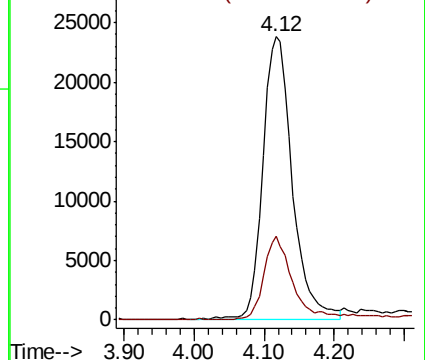
Ion Ratio Lower Upper

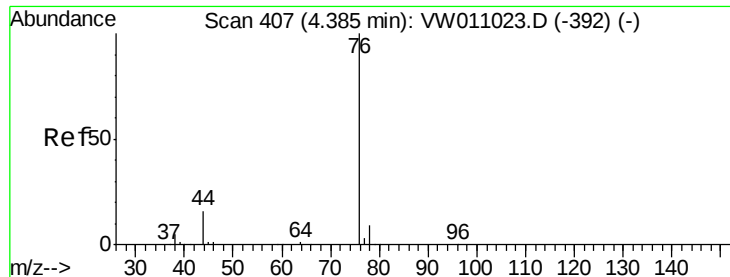
43 100

58 29.4 22.5 33.7



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

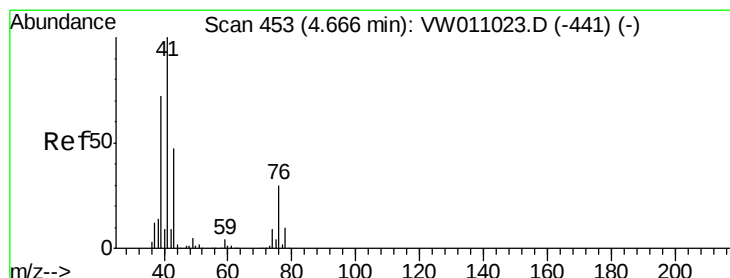
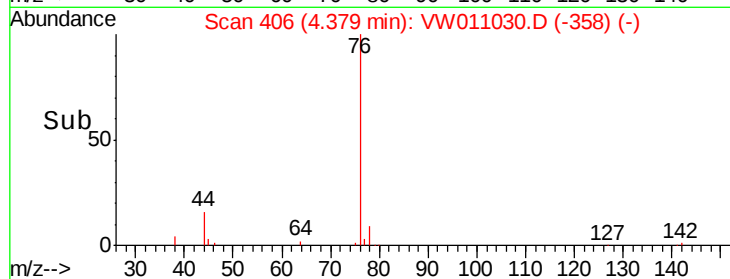
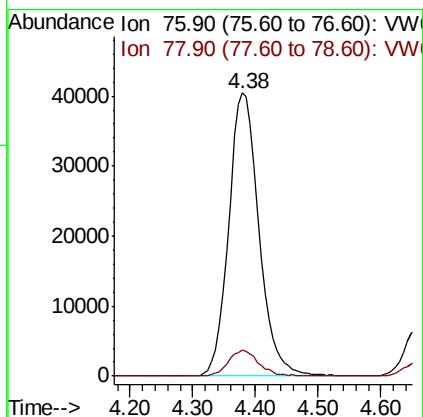
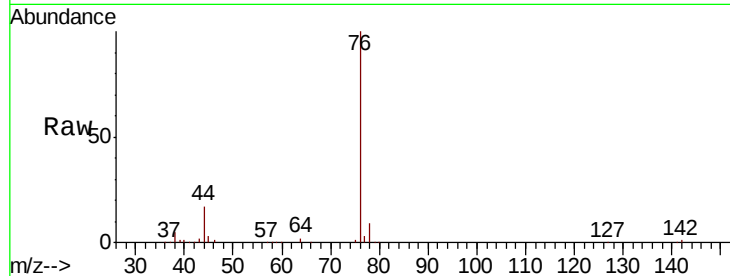




#17
Carbon Disulfide
Concen: 20.199 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

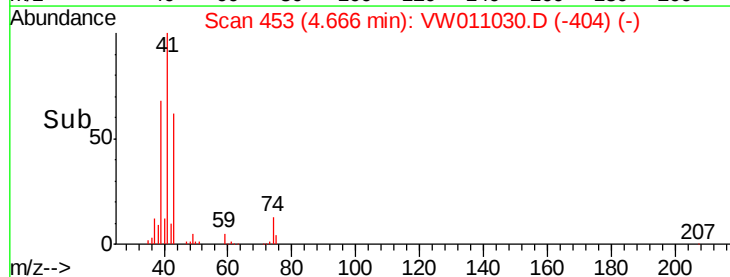
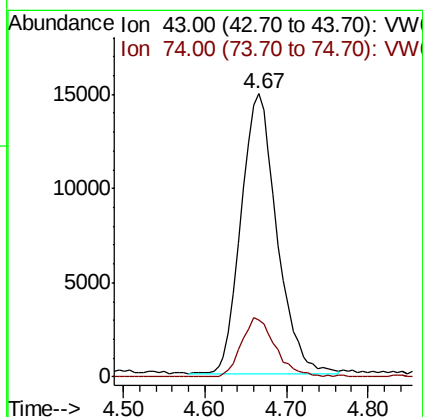
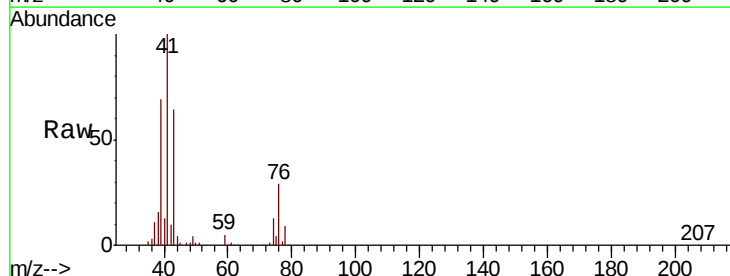
Instrument :
MSVOA_W
ClientSampled :

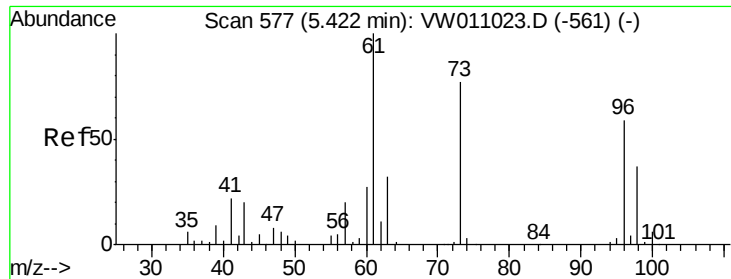
Tot Ion: 76 Resp: 135154
Ion Ratio Lower Upper
76 100
78 9.4 7.2 10.8



#18
Methyl Acetate
Concen: 26.313 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Tgt Ion: 43 Resp: 45317
Ion Ratio Lower Upper
43 100
74 20.0 15.8 23.8

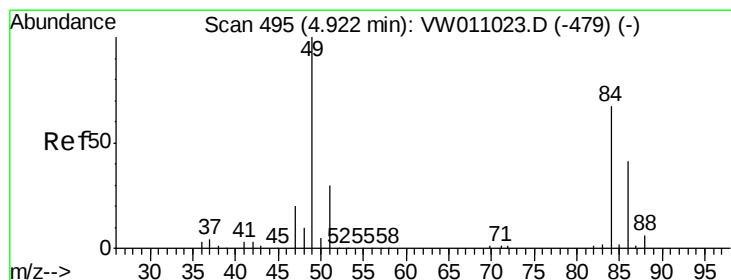
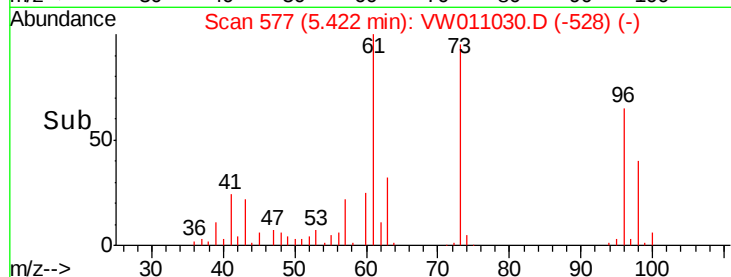
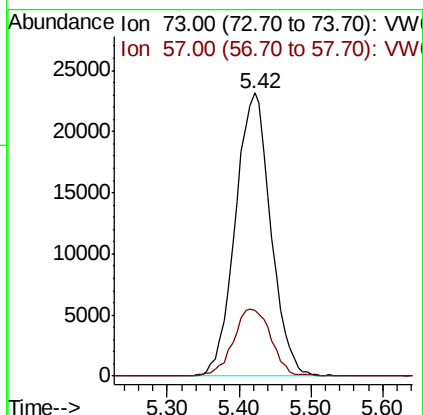
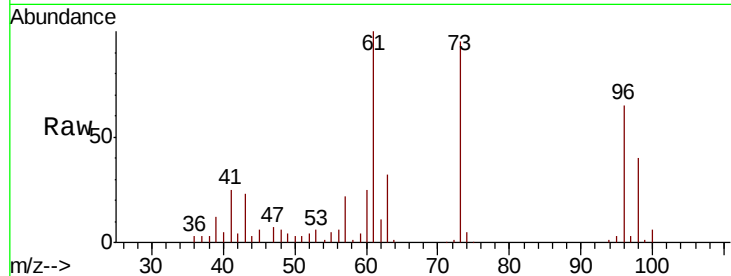




#19
Methyl tert-butyl Ether
Concen: 23.681 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

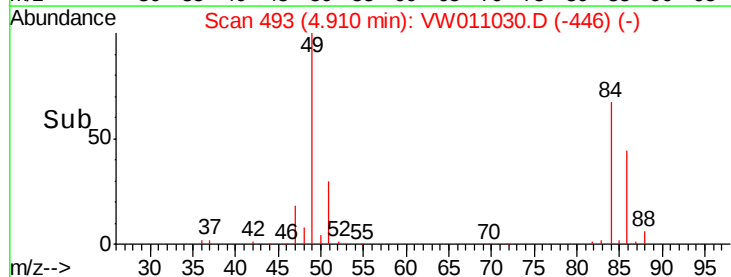
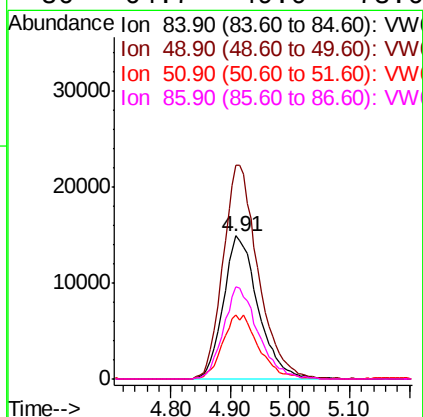
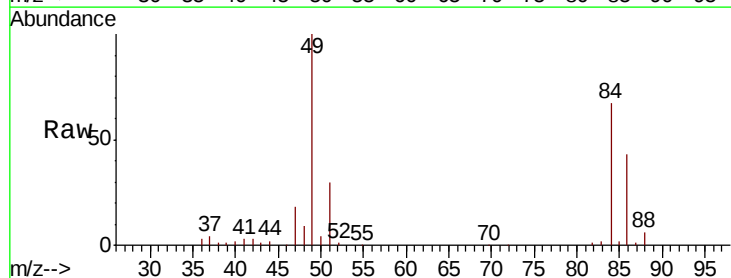
Instrument :
MSVOA_W
ClientSampleId :

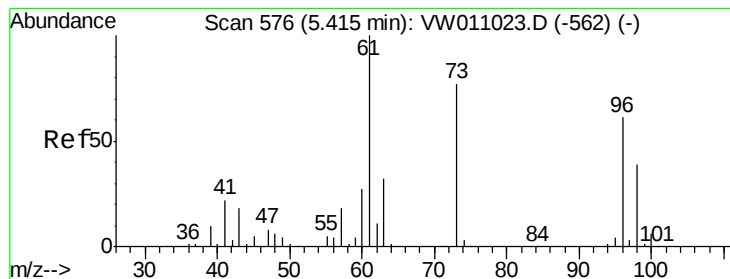
Tot Ion: 73 Resp: 79052
Ion Ratio Lower Upper
73 100
57 23.3 20.8 31.2



#20
Methylene Chloride
Concen: 22.283 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Tgt Ion: 84 Resp: 60193
Ion Ratio Lower Upper
84 100
49 149.6 119.6 179.4
51 45.1 35.6 53.4
86 64.7 49.0 73.6





#21

trans-1,2-Dichloroethene

Concen: 21.023 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

Instrument :

MSVOA_W

ClientSampleId :

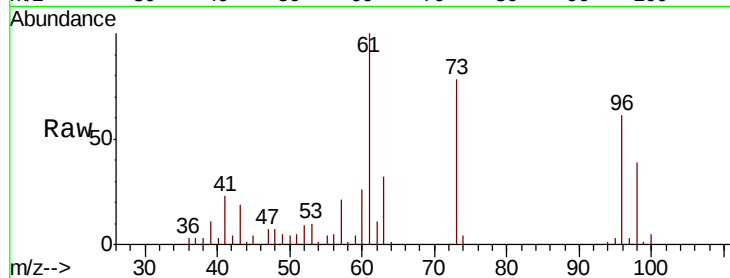
Tot Ion: 96 Resp: 51093

Ion Ratio Lower Upper

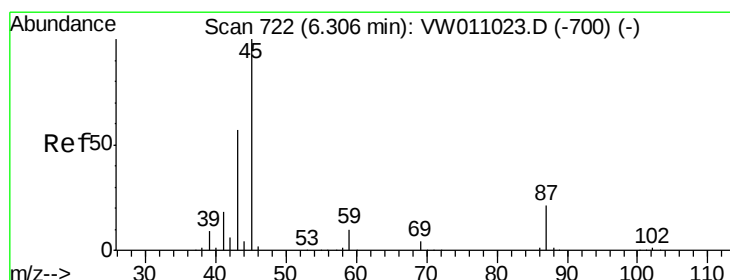
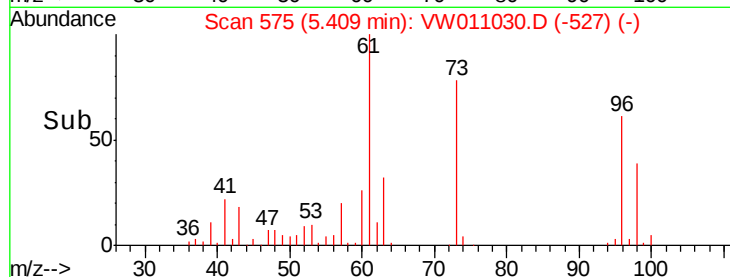
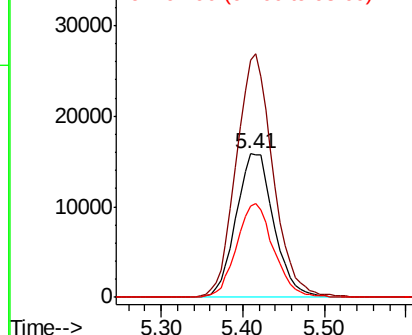
96 100

61 165.0 131.0 196.4

98 63.5 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: 22.702 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

Tgt Ion: 45 Resp: 207381

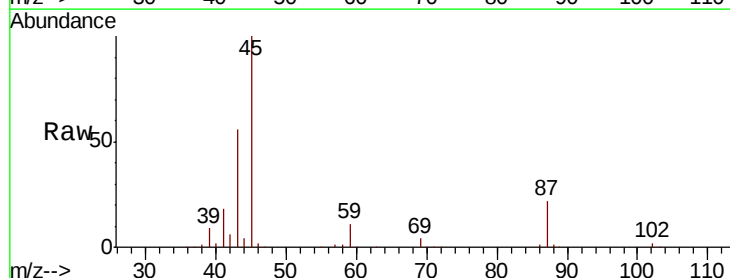
Ion Ratio Lower Upper

45 100

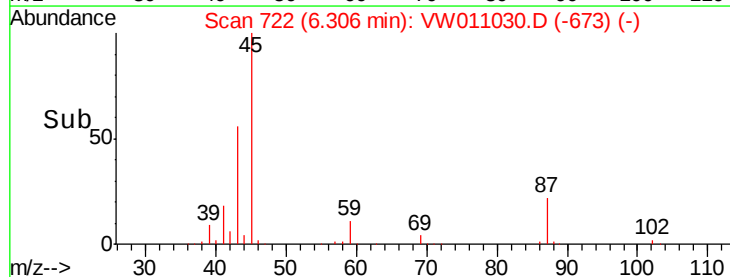
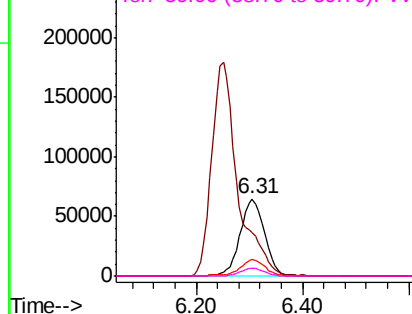
43 55.4 45.8 68.6

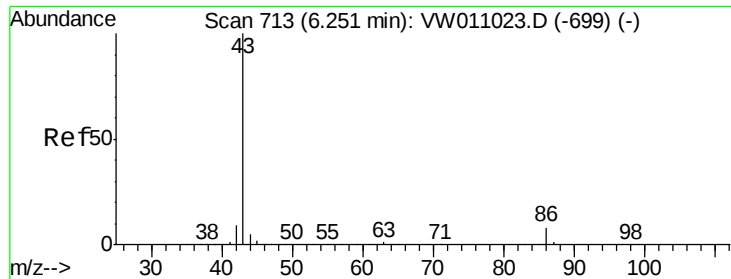
87 21.7 17.1 25.7

59 10.5 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: 107.791 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

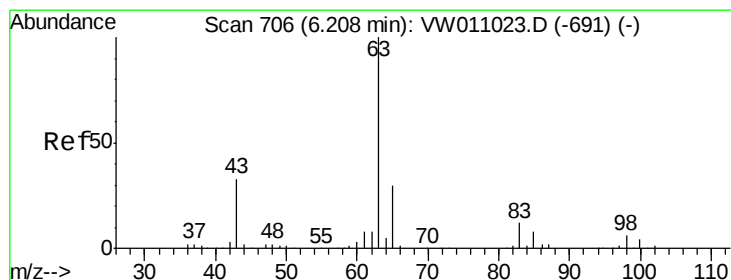
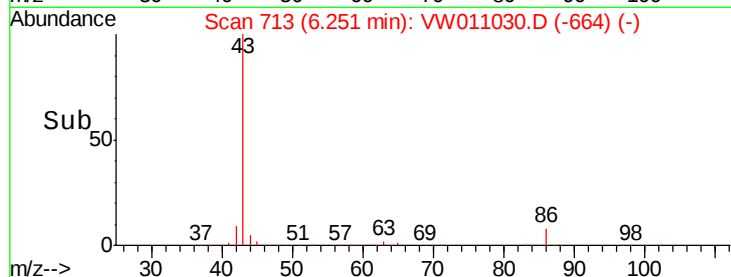
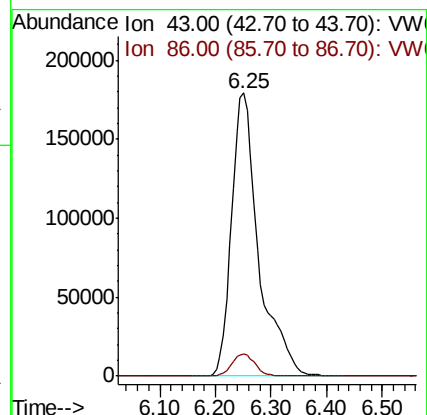
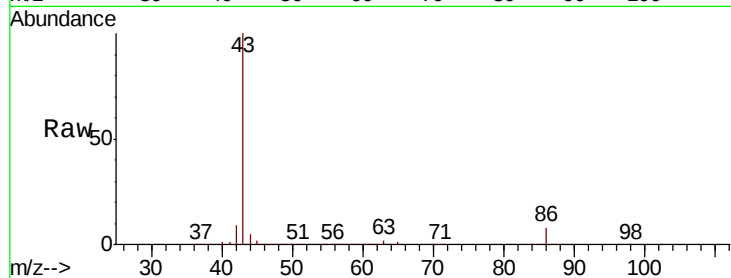
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 606701

Ion Ratio Lower Upper

43 100

86 8.1 6.6 10.0



#24

1,1-Dichloroethane

Concen: 21.631 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

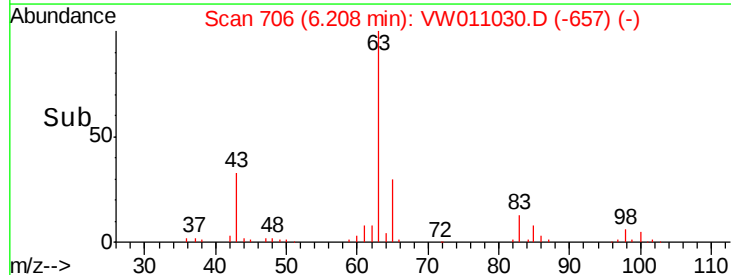
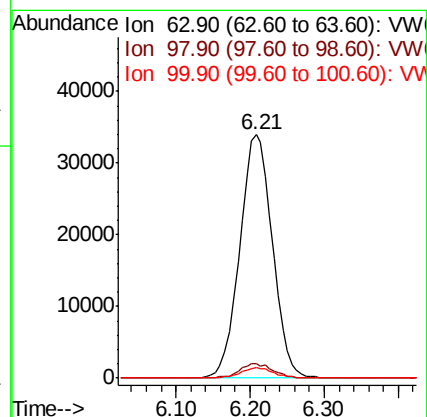
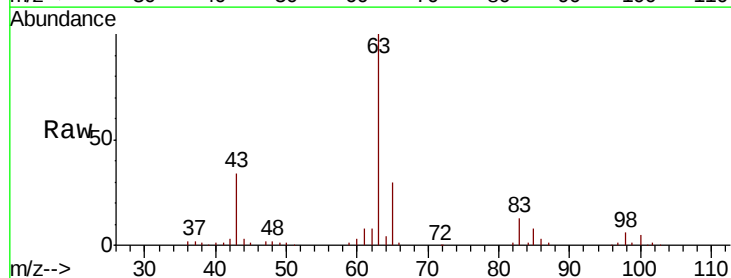
Tgt Ion: 63 Resp: 104300

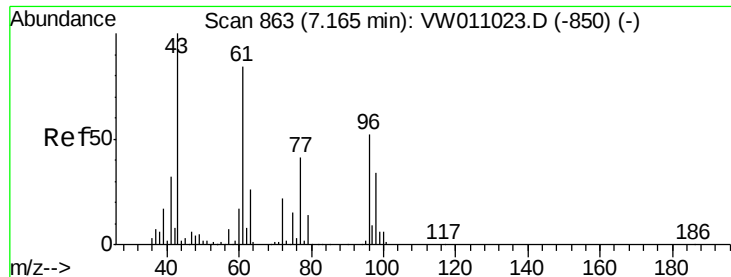
Ion Ratio Lower Upper

63 100

98 6.1 3.1 9.4

100 4.6 2.1 6.2





#25

2-Butanone

Concen: 111.722 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

Instrument :

MSVOA_W

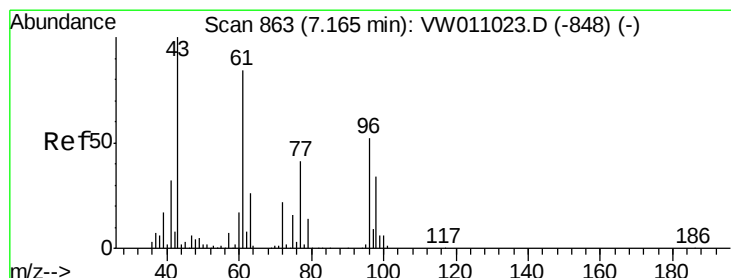
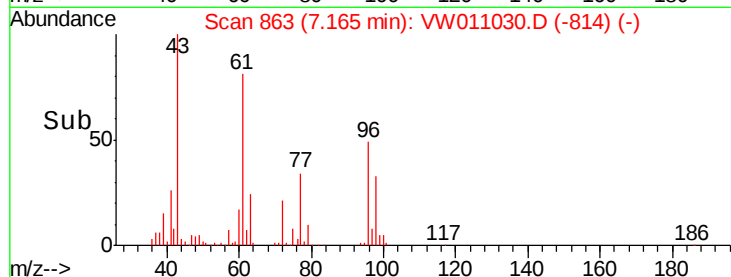
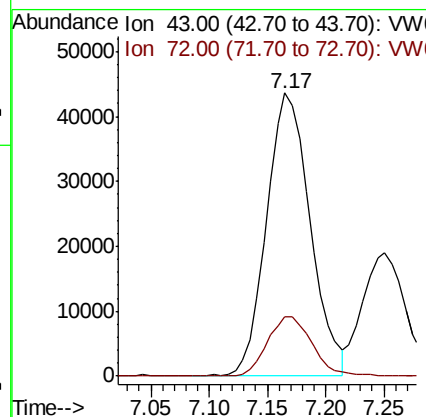
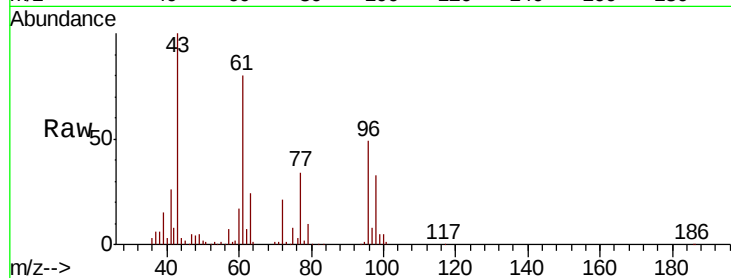
ClientSampled :

Tot Ion: 43 Resp: 112906

Ion Ratio Lower Upper

43 100

72 21.2 17.2 25.8



#26

2,2-Dichloropropane

Concen: 17.818 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW011030.D

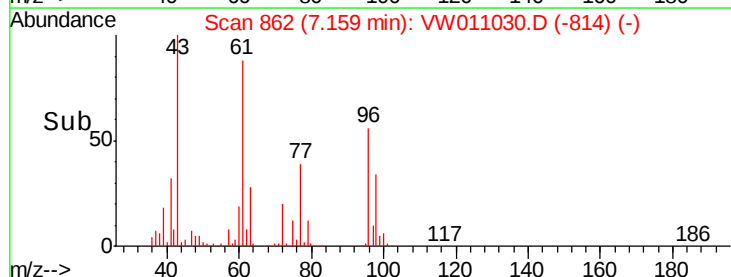
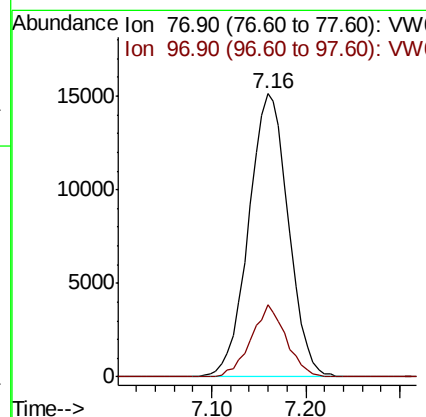
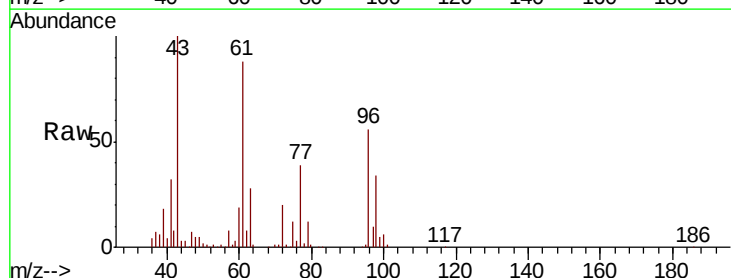
Acq: 27 Jun 2019 22:12

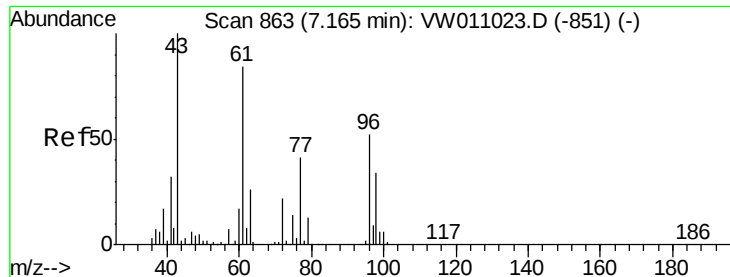
Tgt Ion: 77 Resp: 44606

Ion Ratio Lower Upper

77 100

97 22.5 10.9 32.7



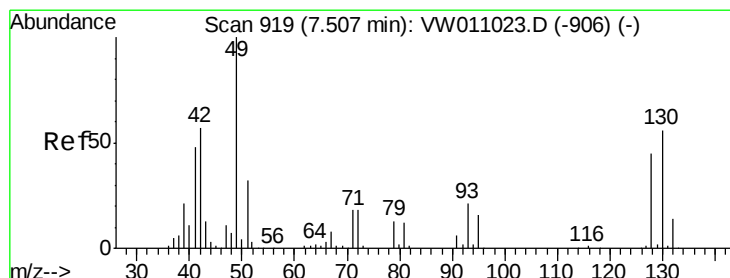
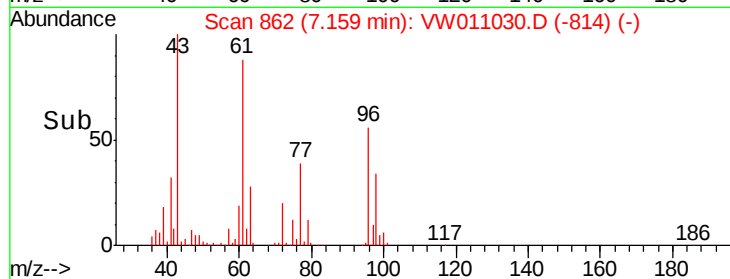
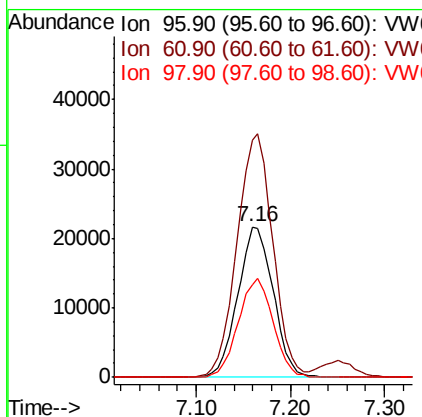
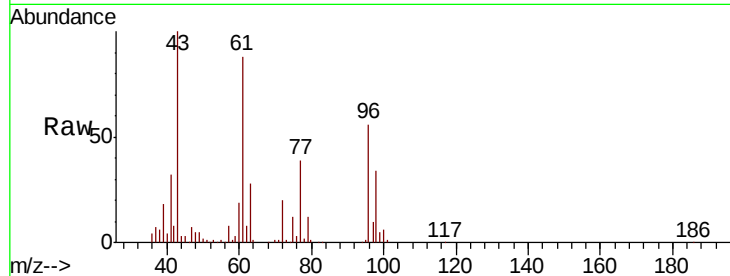


#27

cis-1,2-Dichloroethene
Concen: 21.648 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Instrument :
MSVOA_W
ClientSampled :

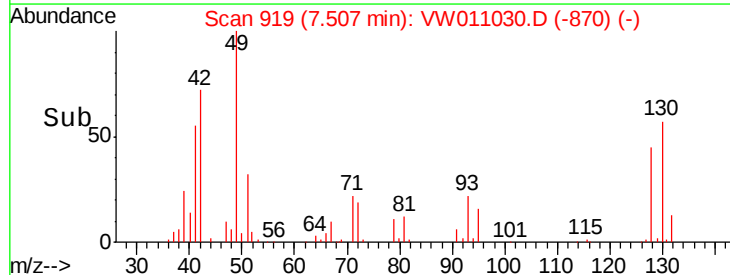
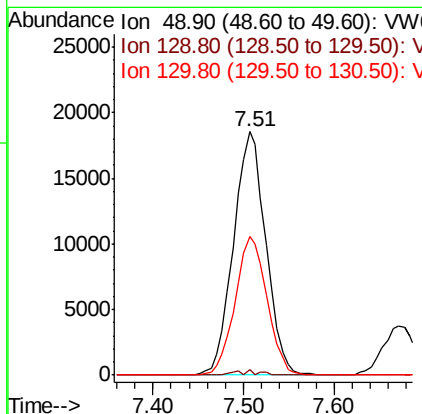
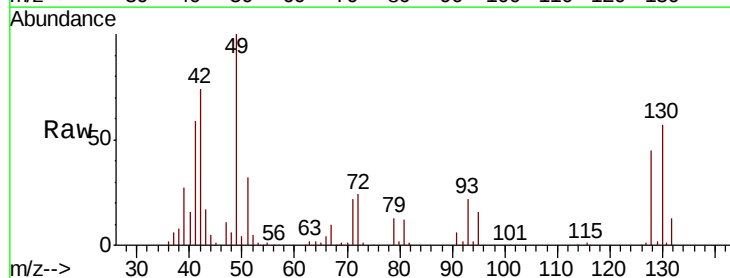
Tot Ion: 96 Resp: 56648
Ion Ratio Lower Upper
96 100
61 163.1 0.0 330.4
98 64.8 0.0 129.4

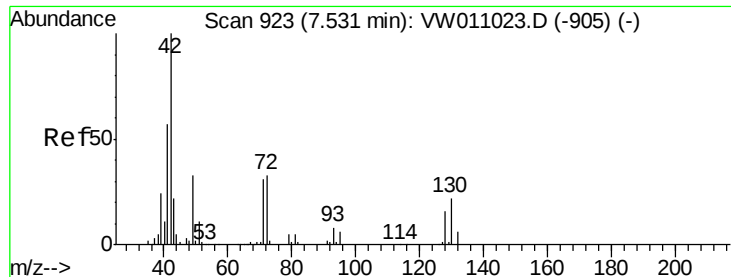


#28

Bromochloromethane
Concen: 20.421 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Tgt Ion: 49 Resp: 45839
Ion Ratio Lower Upper
49 100
129 0.3 0.0 3.4
130 56.0 46.1 69.1

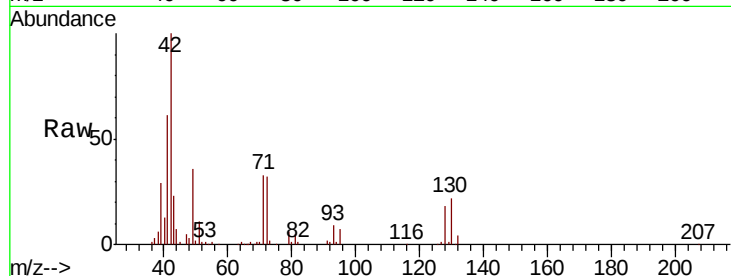




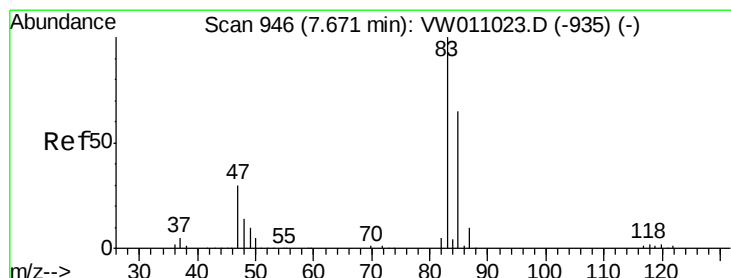
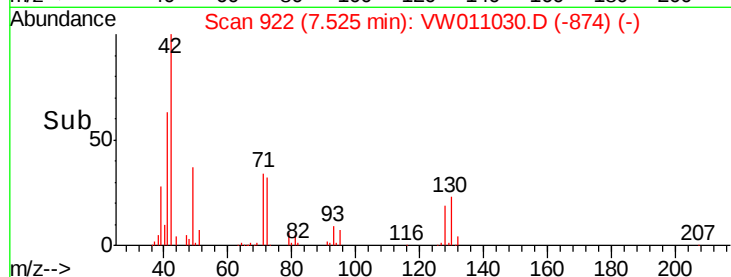
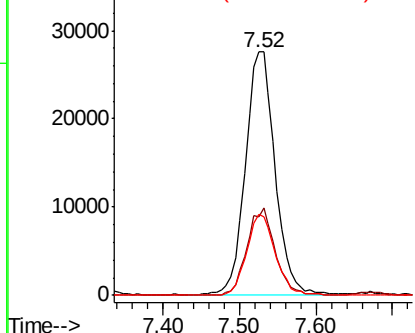
#29
Tetrahydrofuran
Concen: 117.547 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 42 Resp: 73950
Ion Ratio Lower Upper
42 100
72 34.6 27.4 41.0
71 32.6 25.6 38.4

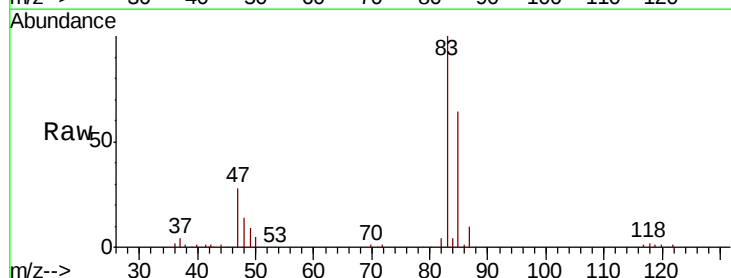


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

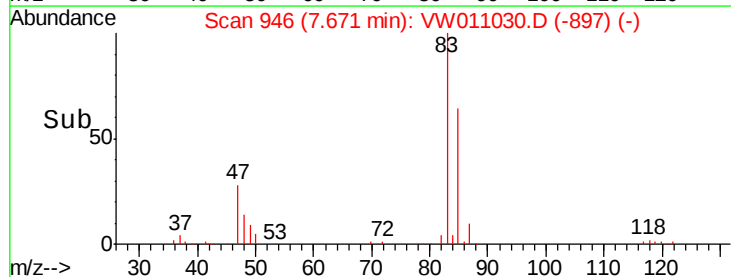
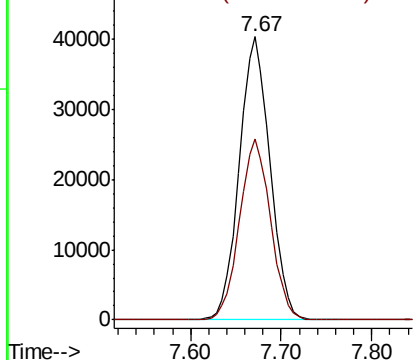


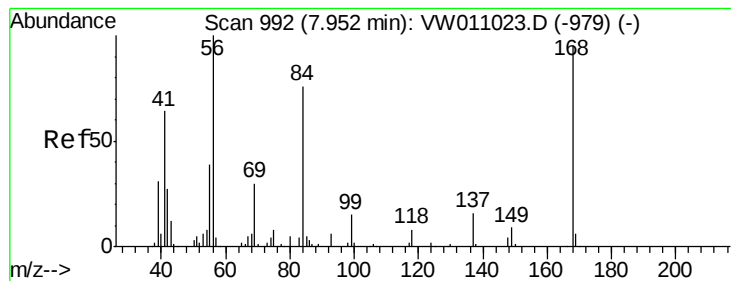
#30
Chloroform
Concen: 21.593 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Tgt Ion: 83 Resp: 94591
Ion Ratio Lower Upper
83 100
85 63.9 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: 20.271 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

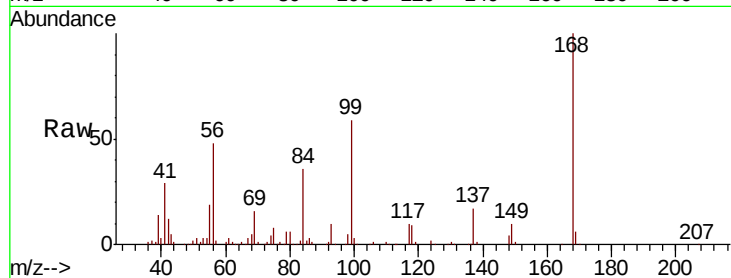
Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

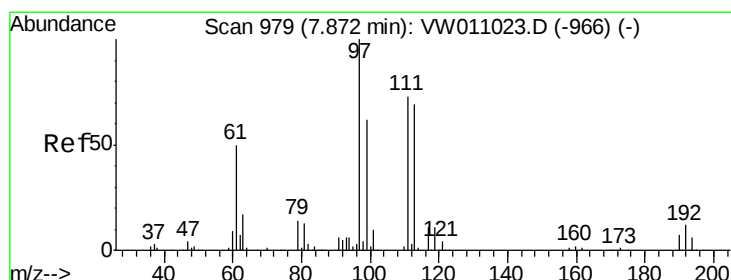
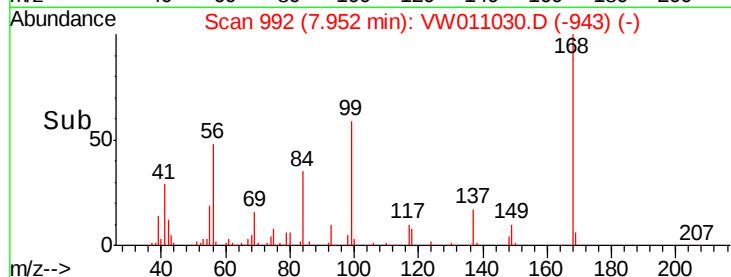
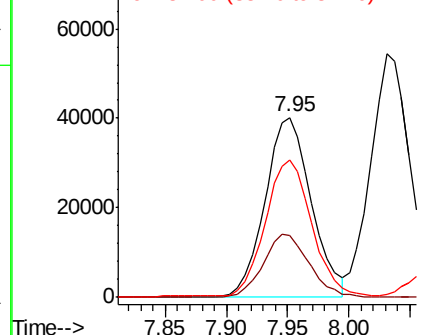
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 105615

Ion	Ratio	Lower	Upper
56	100		
69	34.5	24.2	36.2
84	74.9	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: 20.437 ug/l

RT: 7.87 min Scan# 978

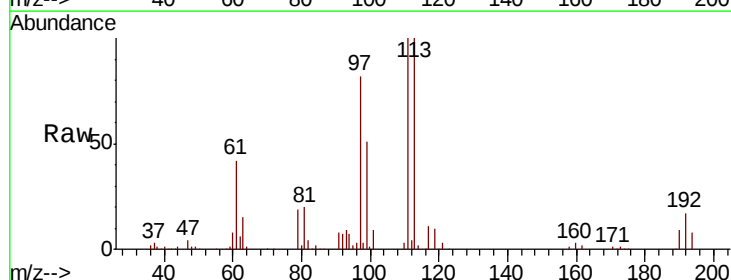
Delta R.T. -0.01 min

Lab File: VW011030.D

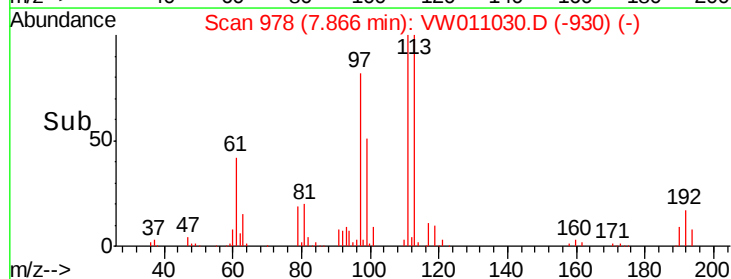
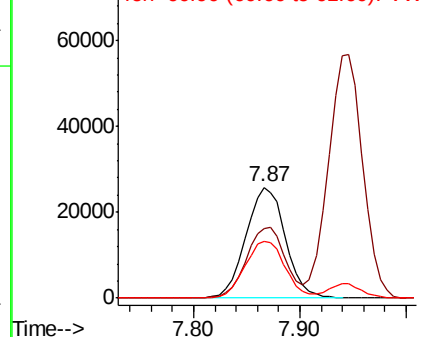
Acq: 27 Jun 2019 22:12

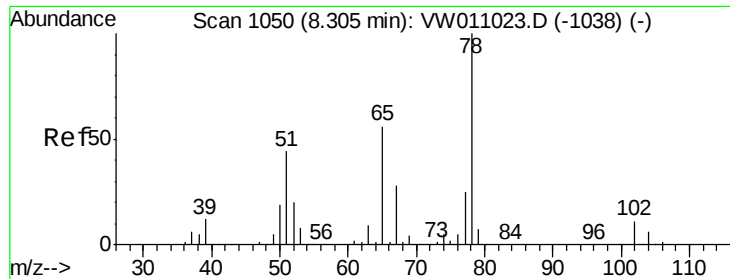
Tgt Ion: 97 Resp: 66899

Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.1	76.7
61	52.9	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

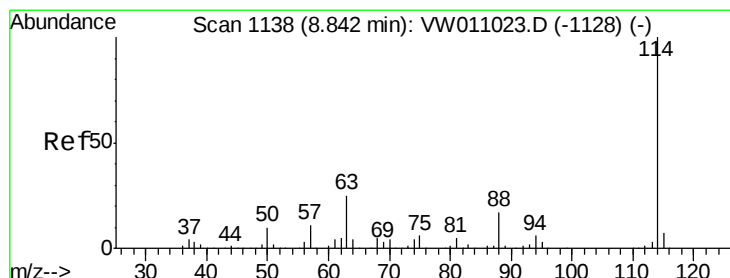
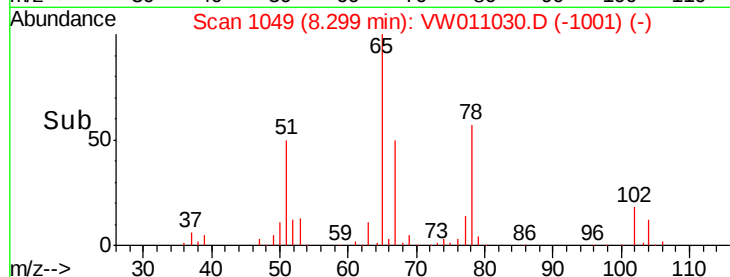
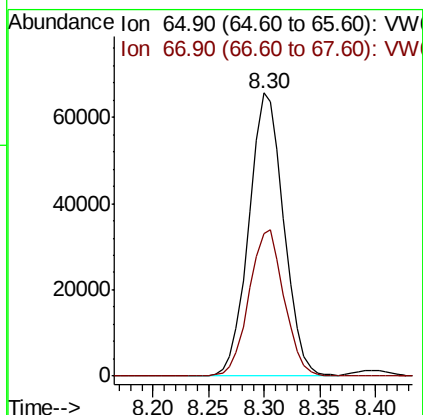
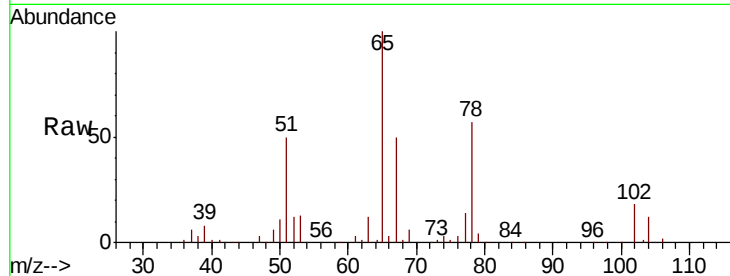




#33
 1,2-Dichloroethane-d4
 Concen: 52.617 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW011030.D
 Acq: 27 Jun 2019 22:12

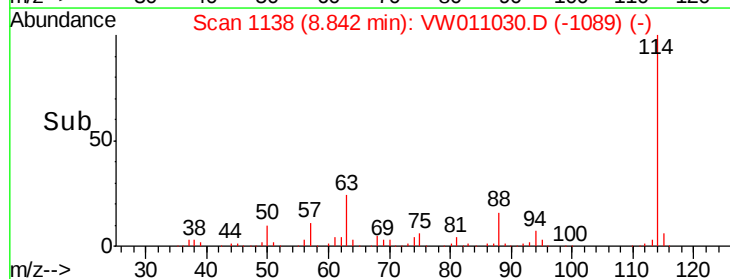
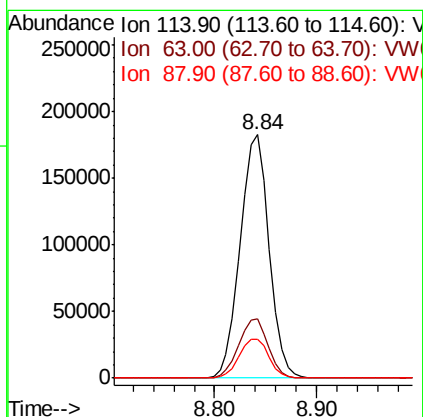
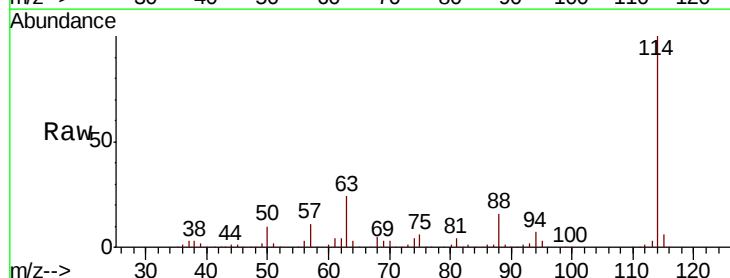
Instrument :
 MSVOA_W
 ClientSampled :

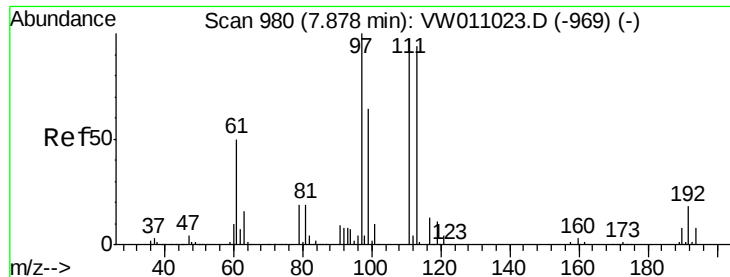
Tot Ion: 65 Resp: 143315
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011030.D
 Acq: 27 Jun 2019 22:12

Tgt Ion: 114 Resp: 359231
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 50.6
 88 16.2 0.0 34.0

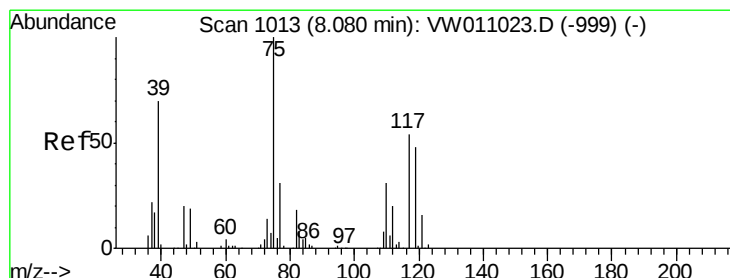
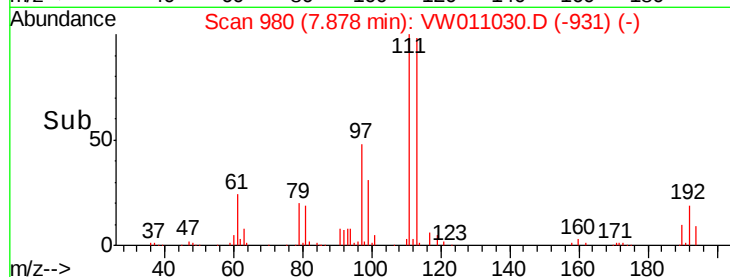
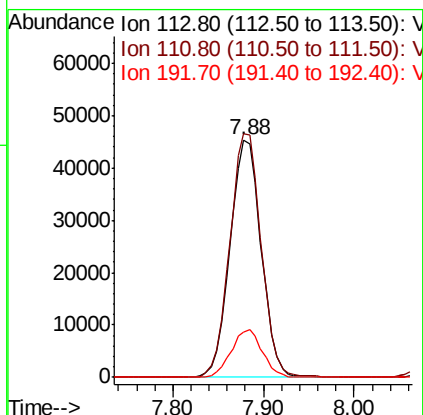
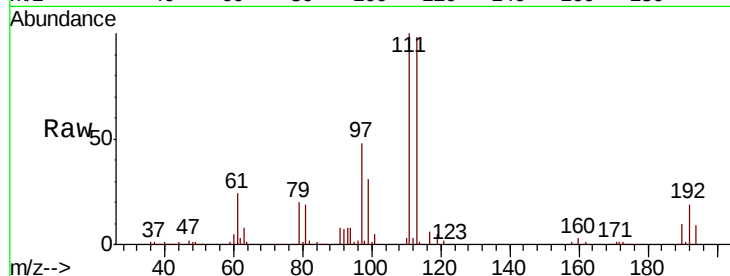




#35
 Dibromofluoromethane
 Concen: 49.206 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW011030.D
 Acq: 27 Jun 2019 22:12

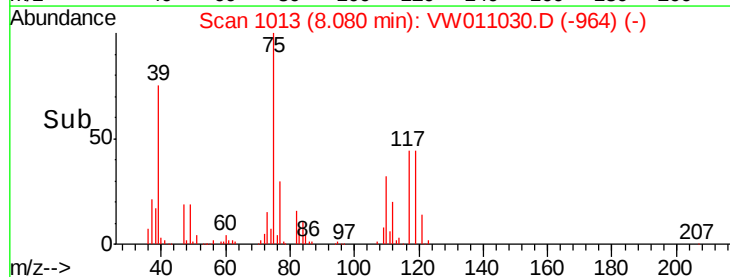
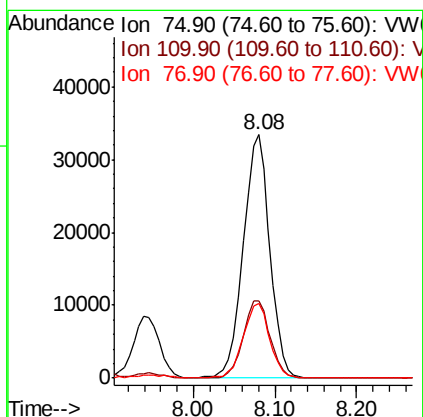
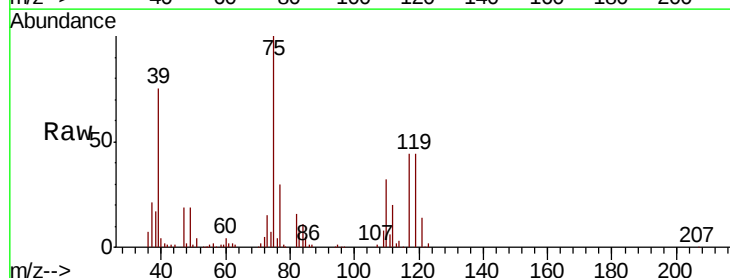
Instrument :
 MSVOA_W
 ClientSampleId :

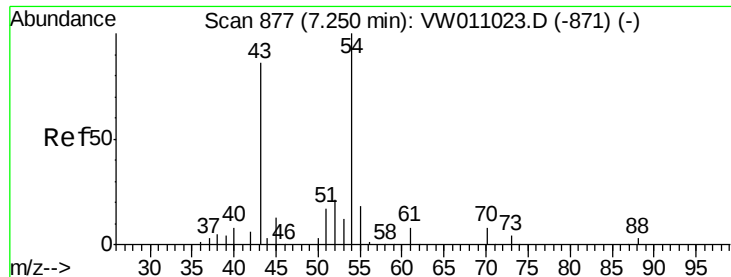
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	83.8	125.6
192	20.0	16.0	24.0



#36
 1,1-Dichloropropene
 Concen: 19.569 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW011030.D
 Acq: 27 Jun 2019 22:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.0	15.5	46.5
77	30.7	24.9	37.3

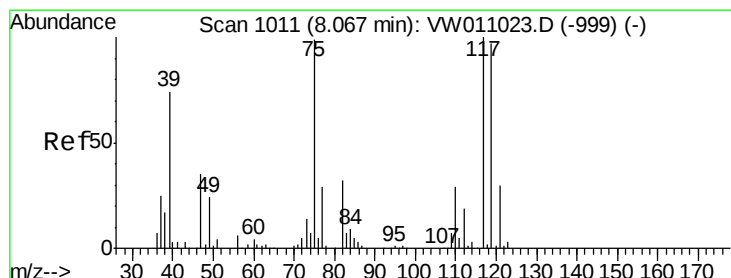
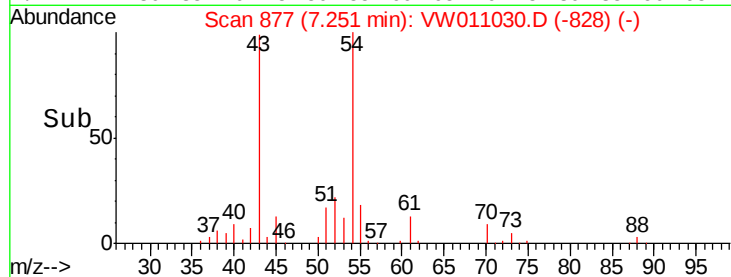
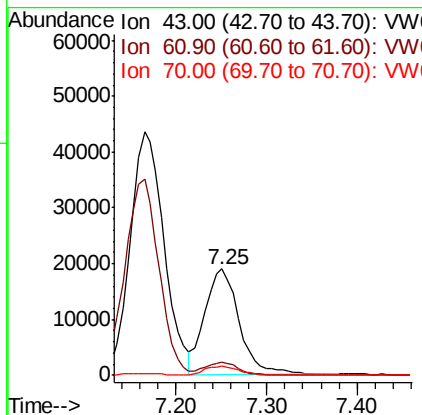
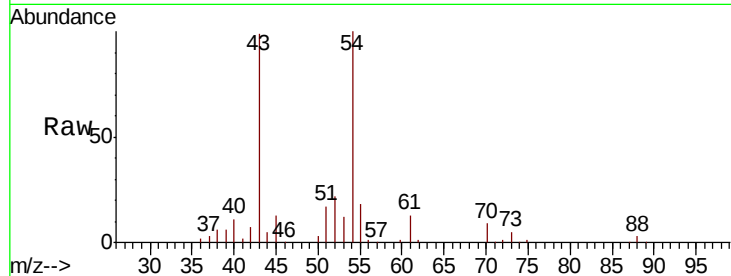




#37
Ethyl Acetate
Concen: 22.363 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

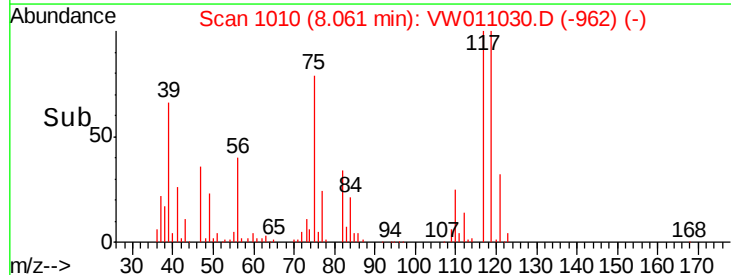
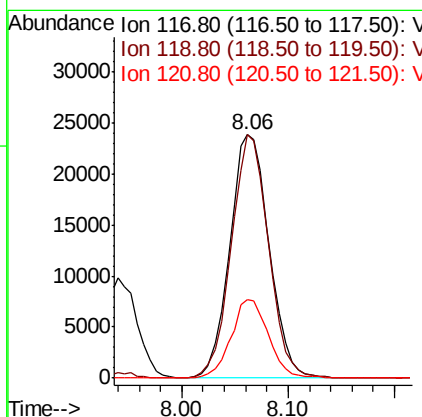
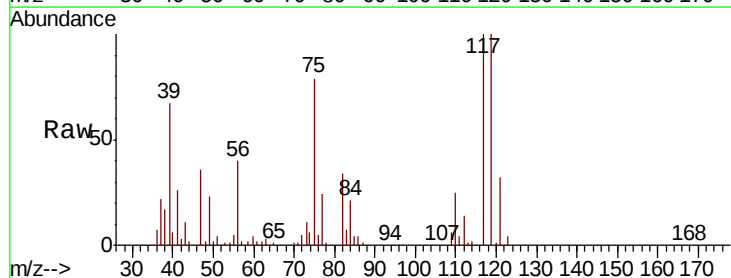
Instrument :
MSVOA_W
ClientSampled :

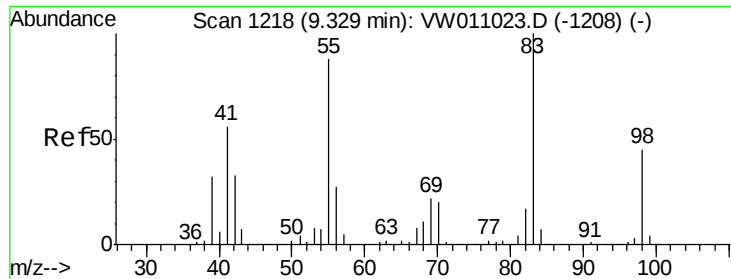
Tot Ion: 43 Resp: 50232
Ion Ratio Lower Upper
43 100
61 11.9 9.0 13.4
70 8.7 7.2 10.8



#38
Carbon Tetrachloride
Concen: 19.378 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Tgt Ion: 117 Resp: 61615
Ion Ratio Lower Upper
117 100
119 100.1 77.7 116.5
121 32.5 23.9 35.9

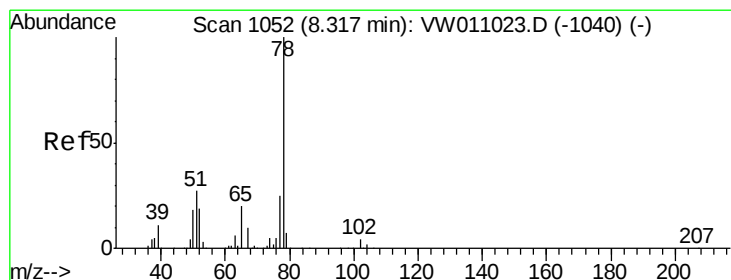
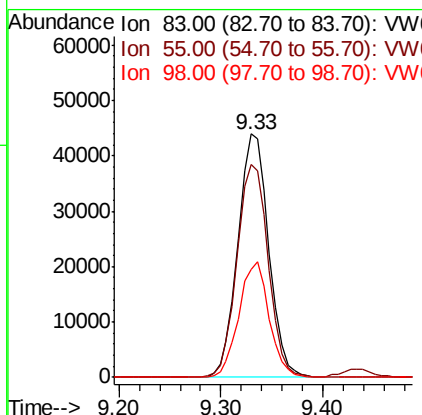
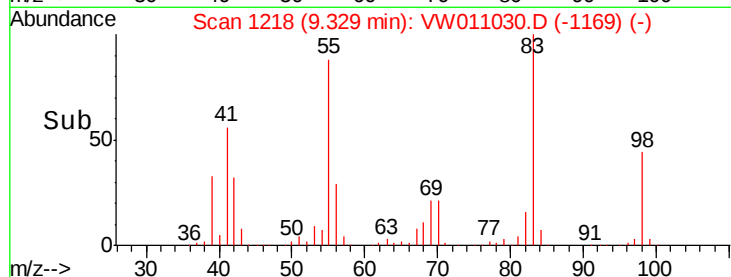
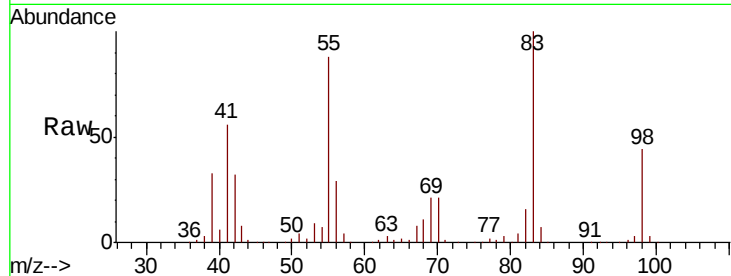




#39
Methvlcvclohexane
Concen: 19.420 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

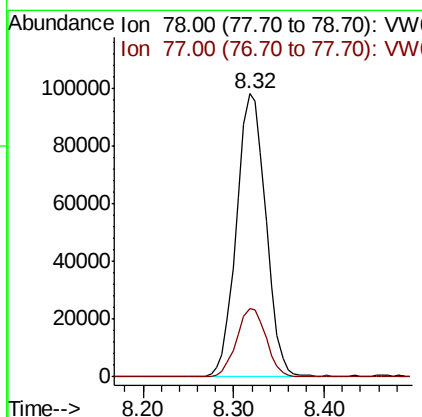
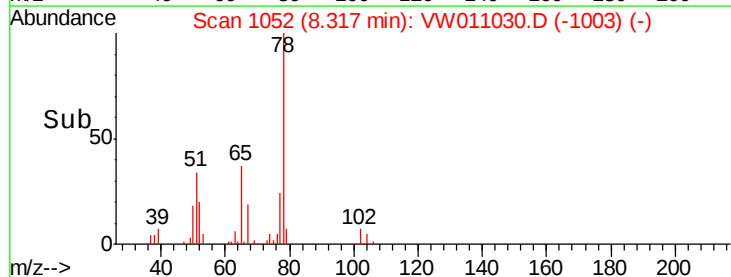
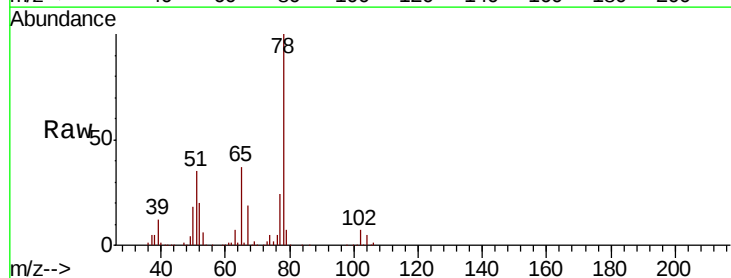
Instrument :
MSVOA_W
ClientSampled :

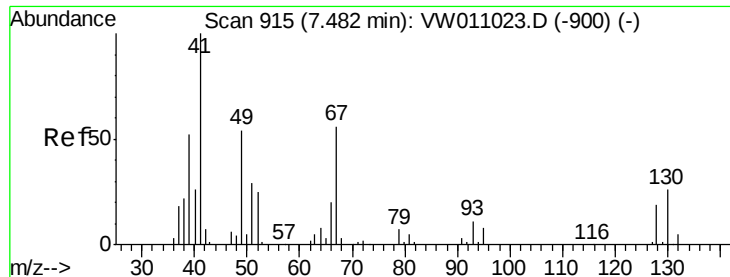
Tot Ion: 83 Resp: 92278
Ion Ratio Lower Upper
83 100
55 87.5 70.7 106.1
98 44.3 36.4 54.6



#40
Benzene
Concen: 20.784 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Tgt Ion: 78 Resp: 220719
Ion Ratio Lower Upper
78 100
77 24.0 19.7 29.5

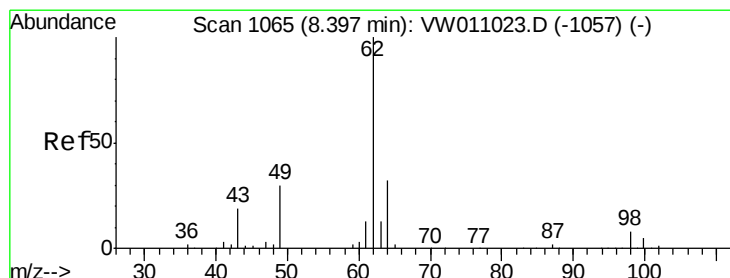
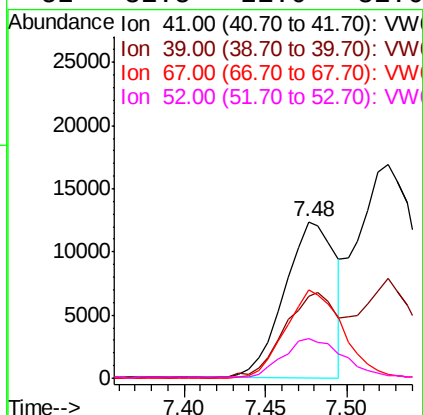
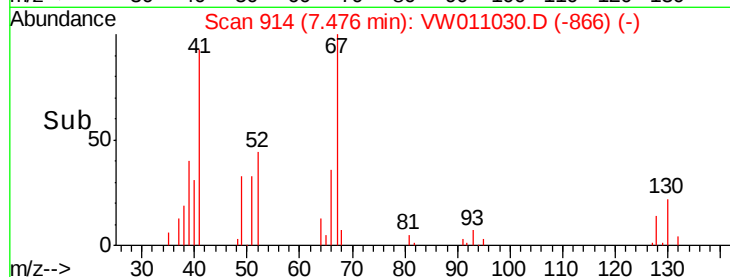
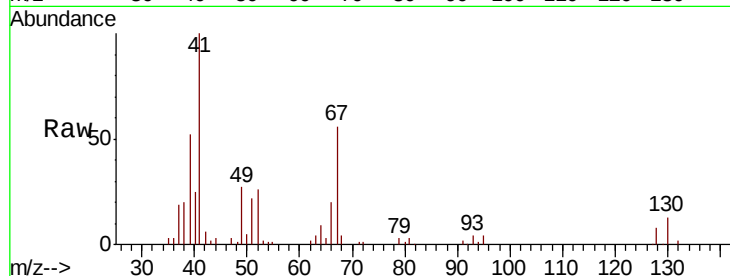




#41
Methacrylonitrile
Concen: 19.596 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

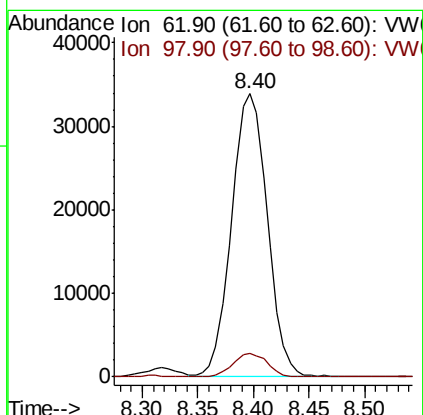
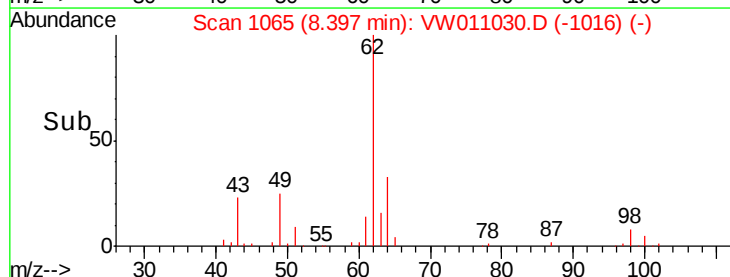
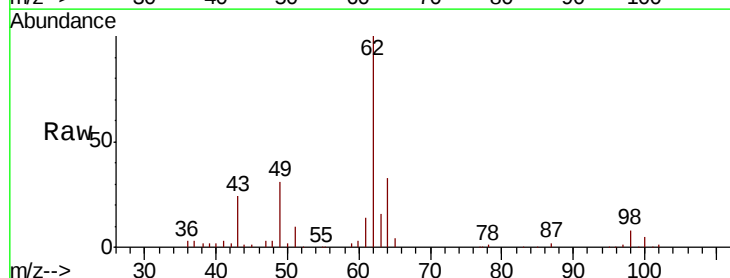
Instrument :
MSVOA_W
ClientSampled :

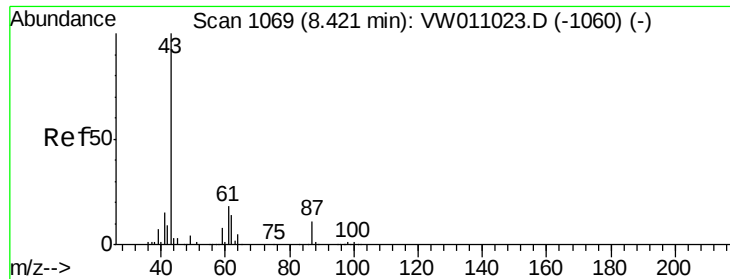
Tot Ion: 41 Resp: 26779
Ion Ratio Lower Upper
41 100
39 62.0 42.1 63.1
67 64.1 44.2 66.2
52 31.8 21.0 31.6#



#42
1,2-Dichloroethane
Concen: 21.722 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Tgt Ion: 62 Resp: 75635
Ion Ratio Lower Upper
62 100
98 8.1 0.0 16.8



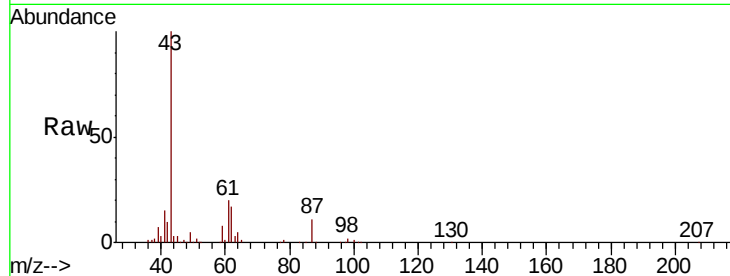


#43

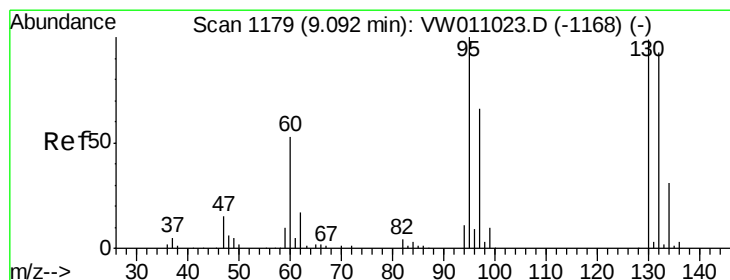
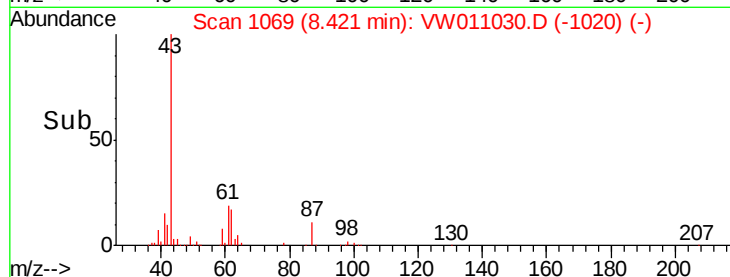
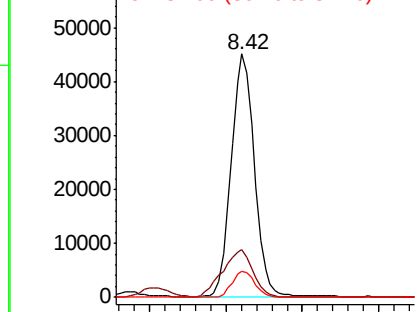
Isopropyl Acetate
 Concen: 22.294 ug/l
 RT: 8.42 min Scan# 1069
 Delta R.T. 0.00 min
 Lab File: VW011030.D
 Acq: 27 Jun 2019 22:12

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 43 Resp: 94731
 Ion Ratio Lower Upper
 43 100
 61 25.9 21.0 31.6
 87 10.6 8.2 12.4



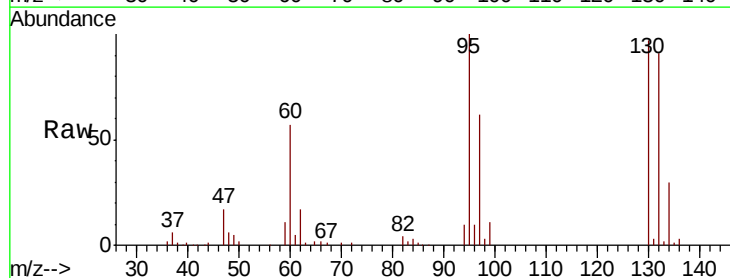
Abundance Ion 43.00 (42.70 to 43.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 87.00 (86.70 to 87.70): VW



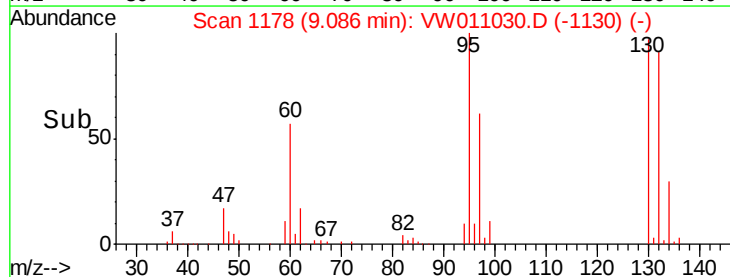
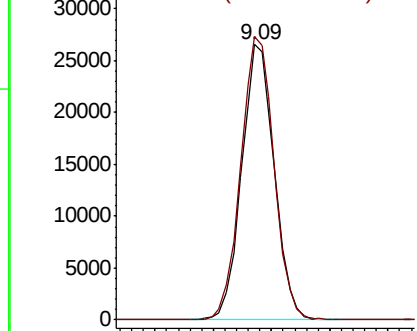
#44

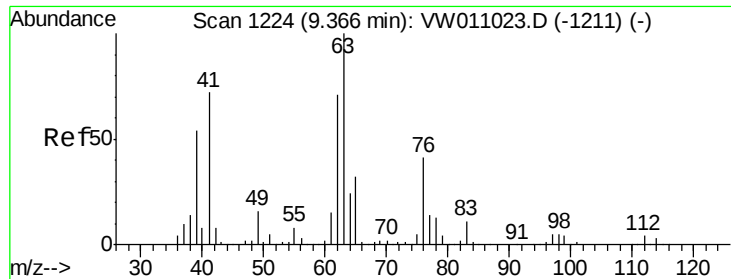
Trichloroethene
 Concen: 20.205 ug/l
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW011030.D
 Acq: 27 Jun 2019 22:12

Tgt Ion:130 Resp: 51858
 Ion Ratio Lower Upper
 130 100
 95 102.8 0.0 202.0



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

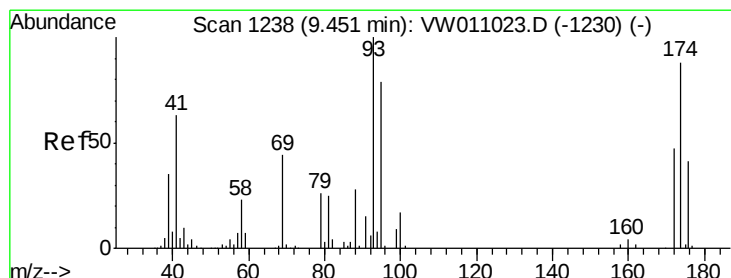
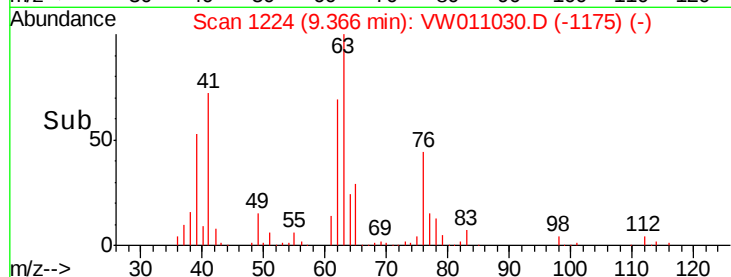
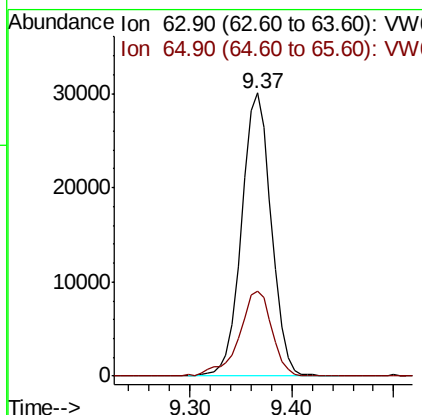
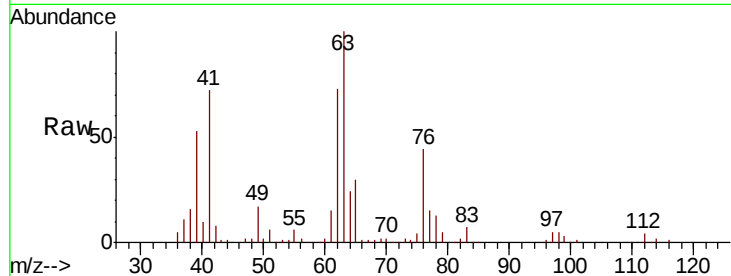




#45
 1,2-Dichloropropane
 Concen: 21.004 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011030.D
 Acq: 27 Jun 2019 22:12

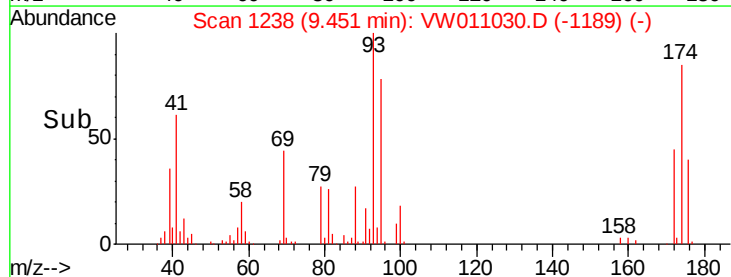
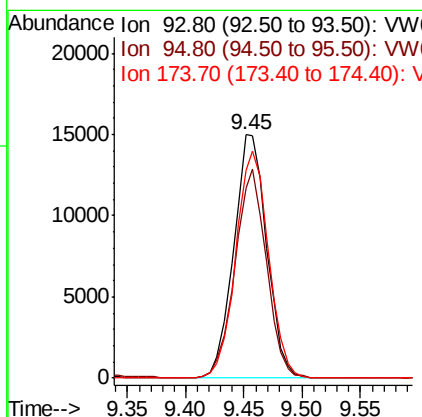
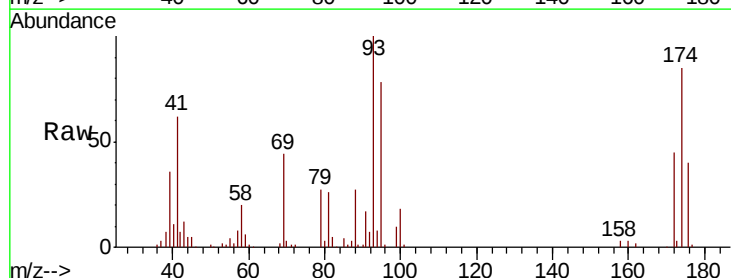
Instrument :
 MSVOA_W
 ClientSampleId :

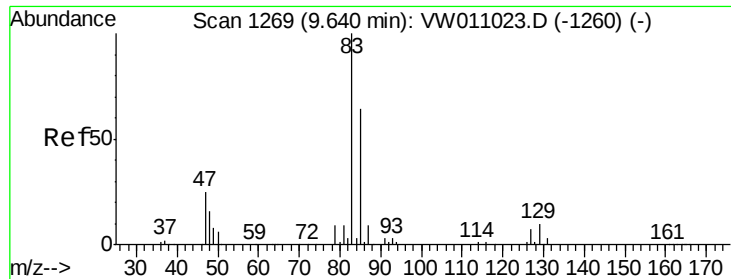
Tot Ion: 63 Resp: 60573
 Ion Ratio Lower Upper
 63 100
 65 30.1 25.6 38.4



#46
 Dibromomethane
 Concen: 21.916 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. 0.00 min
 Lab File: VW011030.D
 Acq: 27 Jun 2019 22:12

Tgt Ion: 93 Resp: 29559
 Ion Ratio Lower Upper
 93 100
 95 82.1 65.8 98.6
 174 92.9 75.4 113.0

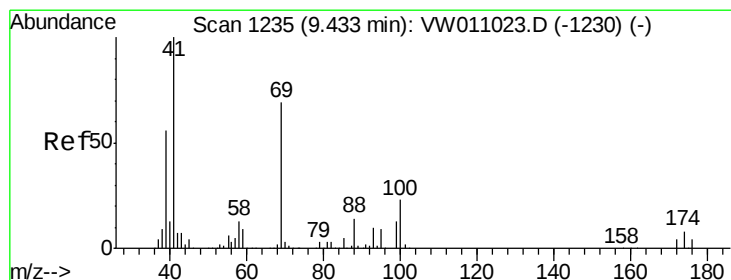
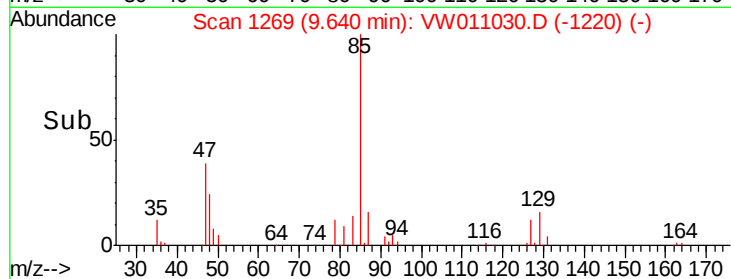
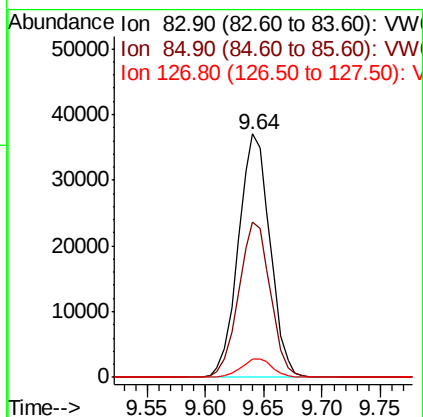
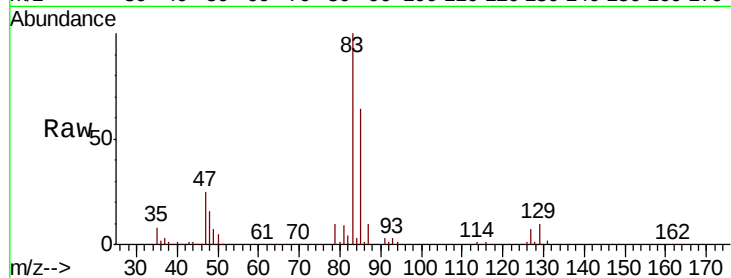




#47
 Bromodichloromethane
 Concen: 20.976 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW011030.D
 Acq: 27 Jun 2019 22:12

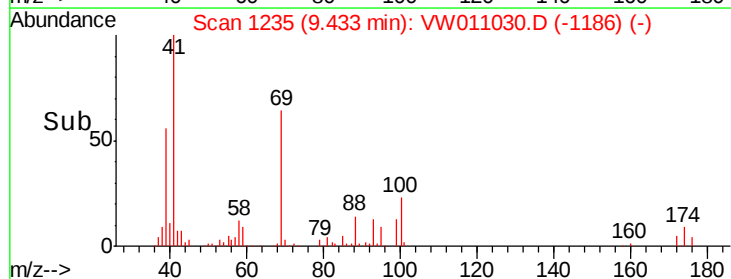
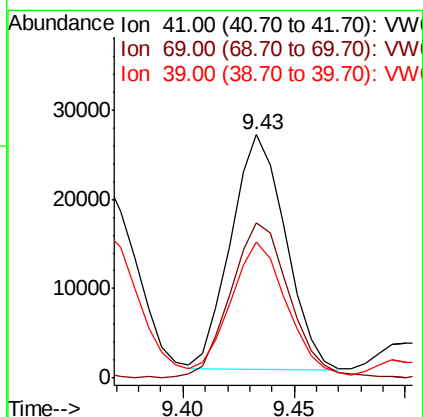
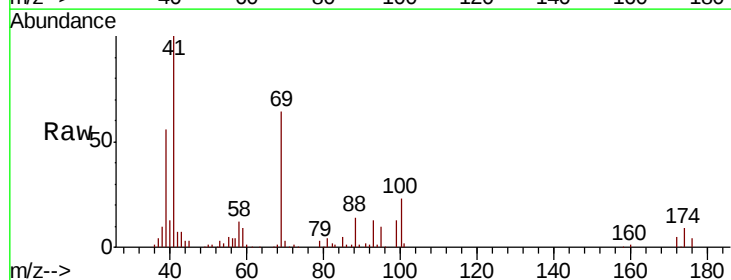
Instrument :
 MSVOA_W
 ClientSampleId :

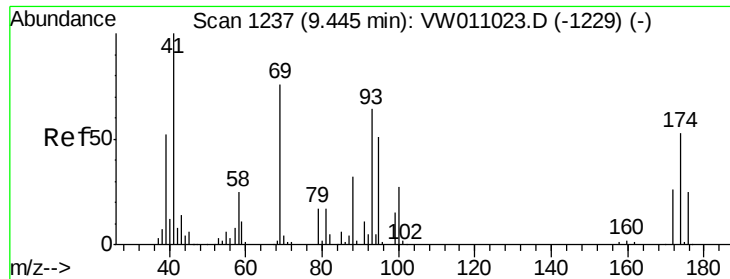
Tot Ion: 83 Resp: 70046
 Ion Ratio Lower Upper
 83 100
 85 63.5 51.0 76.4
 127 7.5 5.8 8.8



#48
 Methyl methacrylate
 Concen: 21.791 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW011030.D
 Acq: 27 Jun 2019 22:12

Tgt Ion: 41 Resp: 44895
 Ion Ratio Lower Upper
 41 100
 69 72.3 56.7 85.1
 39 60.0 45.0 67.6





#49

1,4-Dioxane

Concen: 455.389 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.01 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

Instrument :
MSVOA_W
ClientSampled :

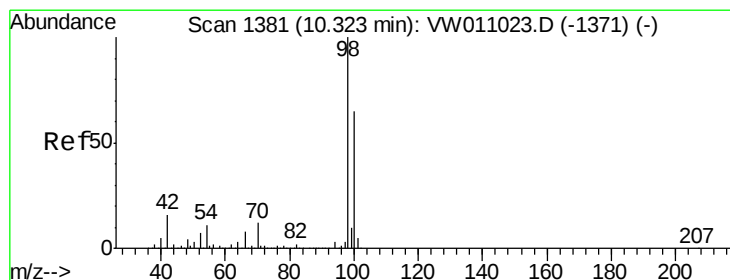
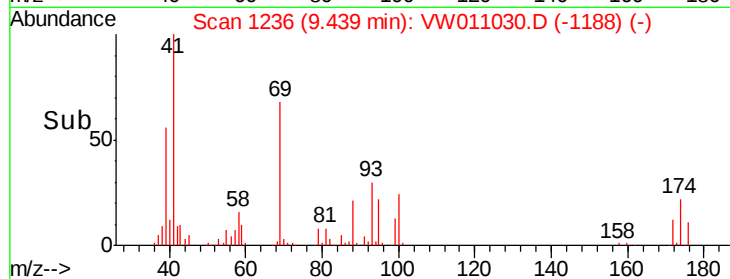
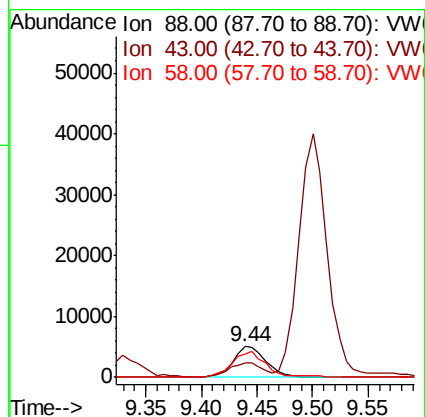
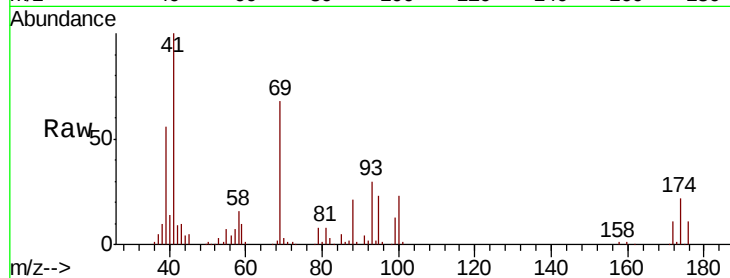
Tot Ion: 88 Resp: 10327

Ion Ratio Lower Upper

88 100

43 46.5 34.4 51.6

58 83.4 65.2 97.8



#50

Toluene-d8

Concen: 48.418 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011030.D

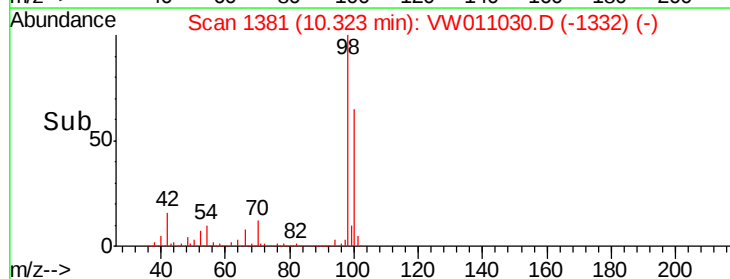
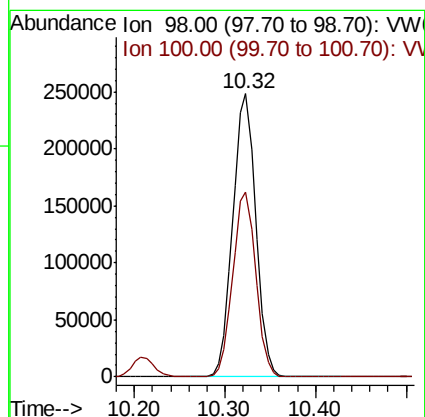
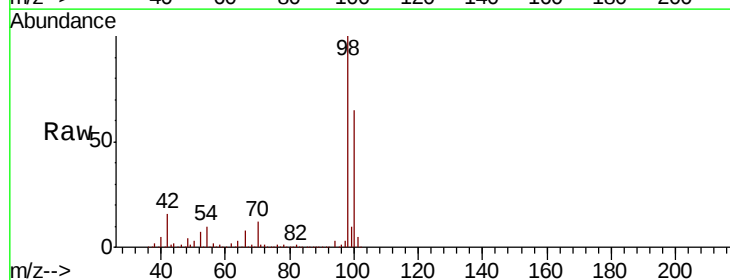
Acq: 27 Jun 2019 22:12

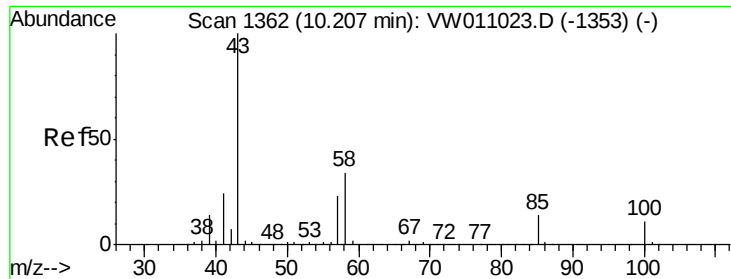
Tgt Ion: 98 Resp: 437188

Ion Ratio Lower Upper

98 100

100 65.2 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 112.056 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

Instrument :

MSVOA_W

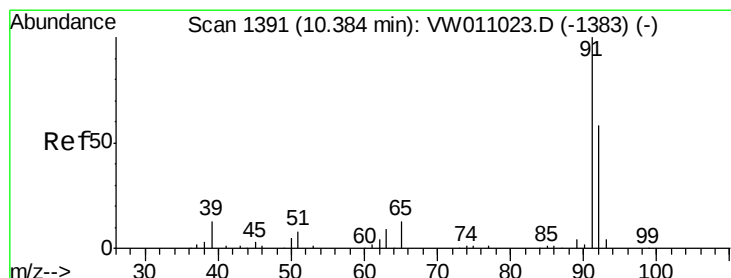
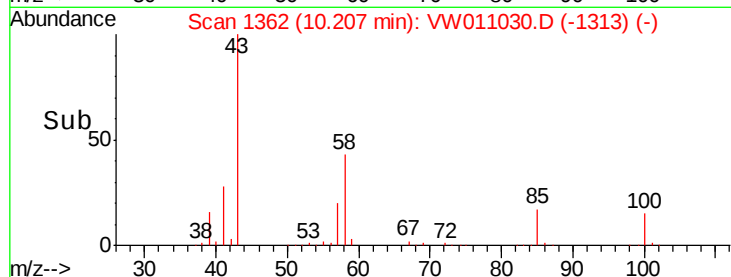
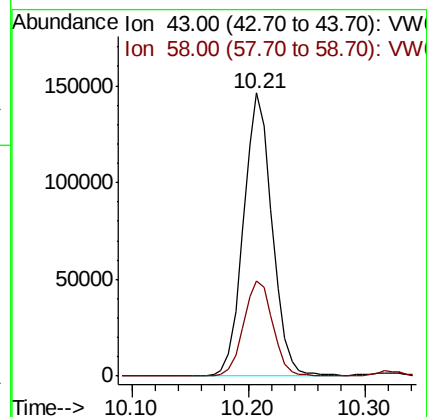
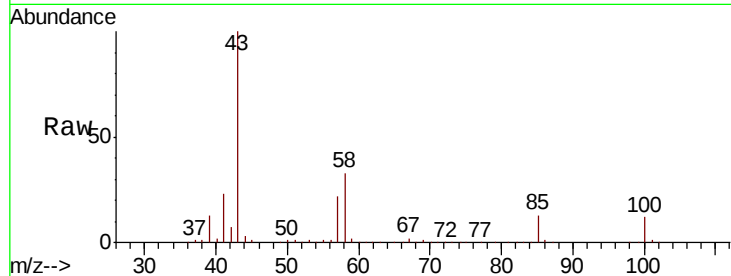
ClientSampleId :

Tot Ion: 43 Resp: 250638

Ion Ratio Lower Upper

43 100

58 34.6 27.8 41.6



#52

Toluene

Concen: 20.590 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011030.D

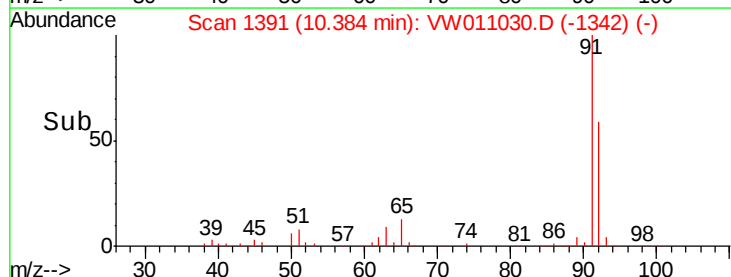
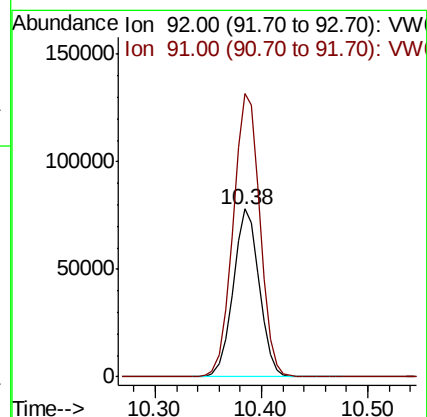
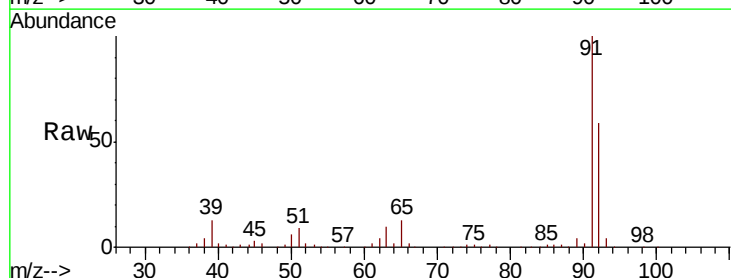
Acq: 27 Jun 2019 22:12

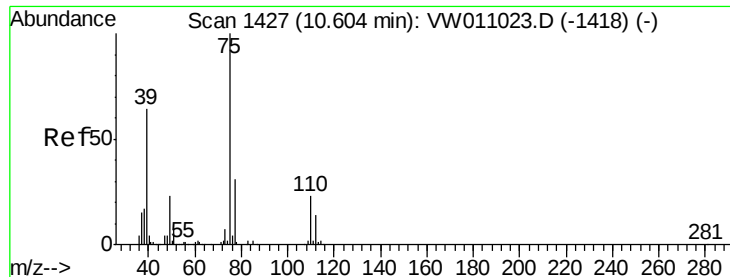
Tgt Ion: 92 Resp: 133873

Ion Ratio Lower Upper

92 100

91 173.6 136.9 205.3





#53

t-1,3-Dichloropropene

Concen: 20.434 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

Instrument :

MSVOA_W

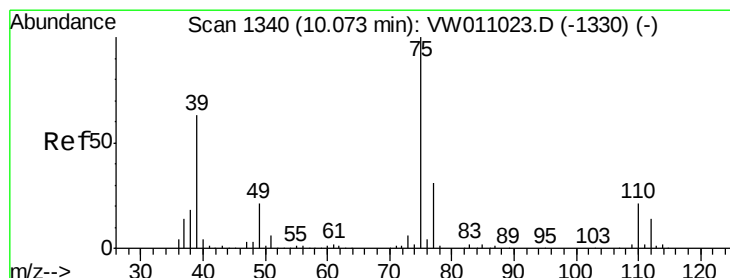
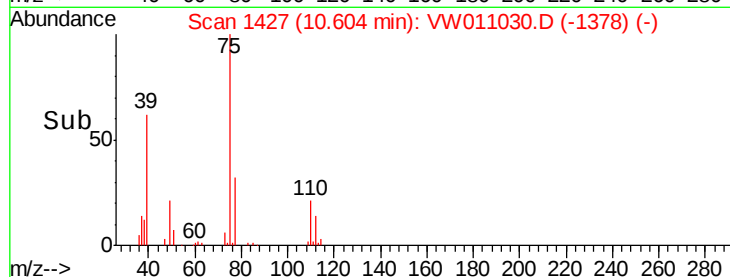
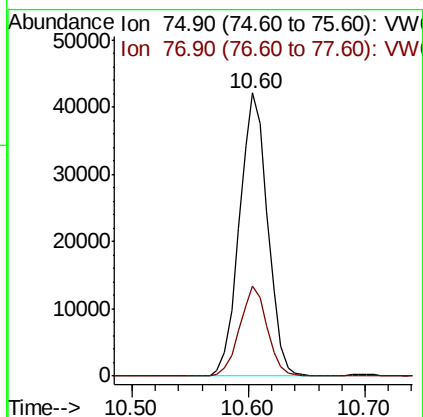
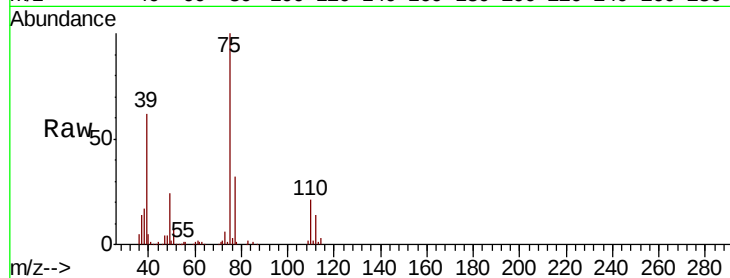
ClientSampleId :

Tot Ion: 75 Resp: 71072

Ion Ratio Lower Upper

75 100

77 31.9 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 20.896 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

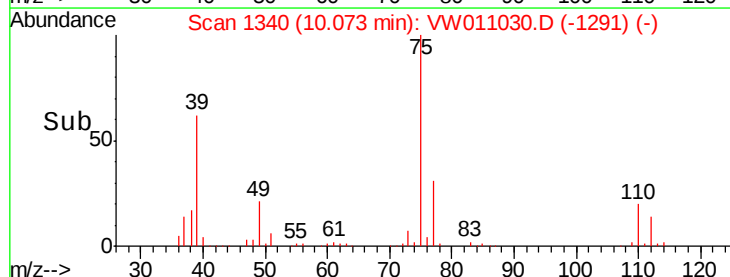
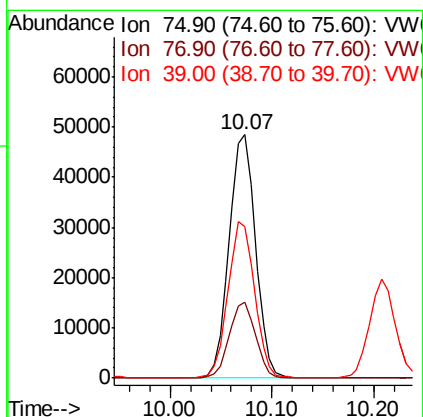
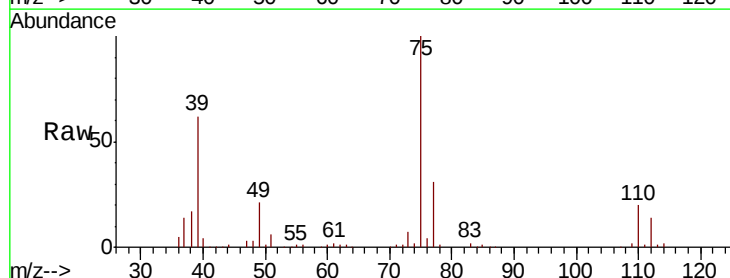
Tgt Ion: 75 Resp: 86701

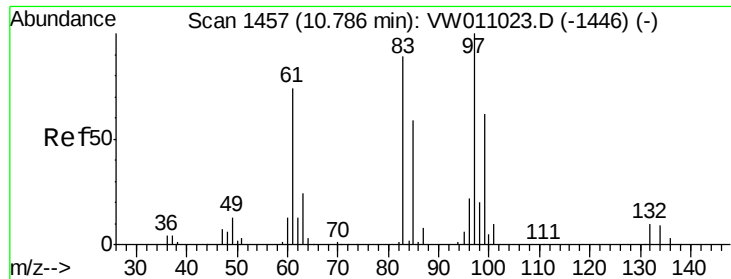
Ion Ratio Lower Upper

75 100

77 31.2 24.8 37.2

39 62.2 50.0 75.0





#55

1,1,2-Trichloroethane

Concen: 21.652 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

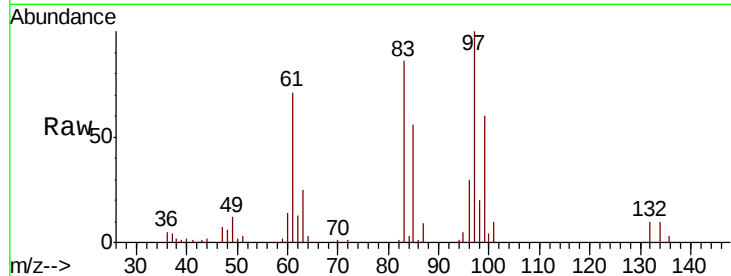
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 41258

Ion	Ratio	Lower	Upper
97	100		
83	85.7	70.9	106.3
85	56.0	47.2	70.8
99	60.3	50.0	75.0



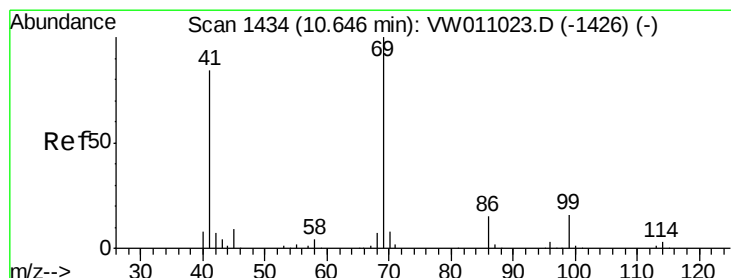
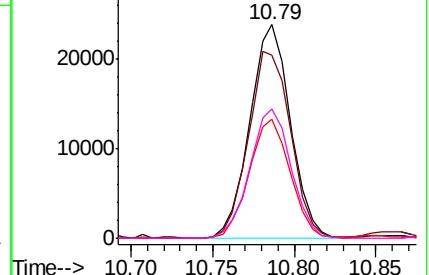
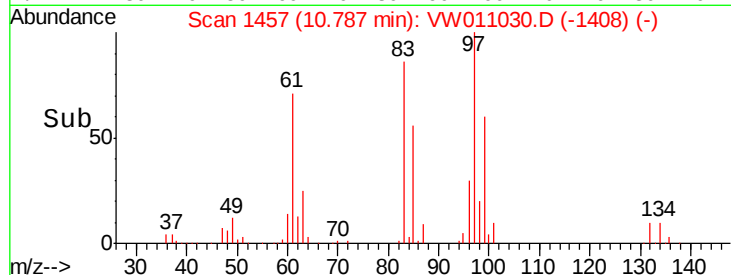
Abundance

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: 22.143 ug/l

RT: 10.65 min Scan# 1434

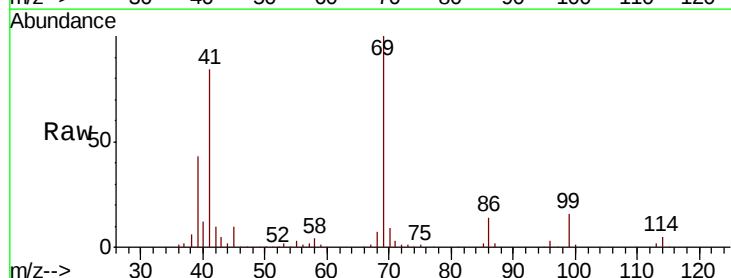
Delta R.T. 0.00 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

Tgt Ion: 69 Resp: 63182

Ion	Ratio	Lower	Upper
69	100		
41	83.0	67.9	101.9
39	40.1	33.2	49.8

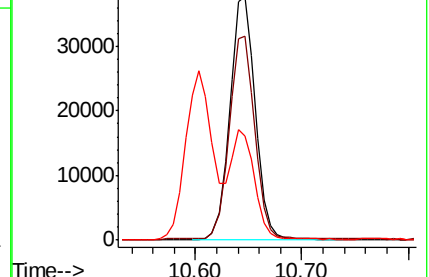
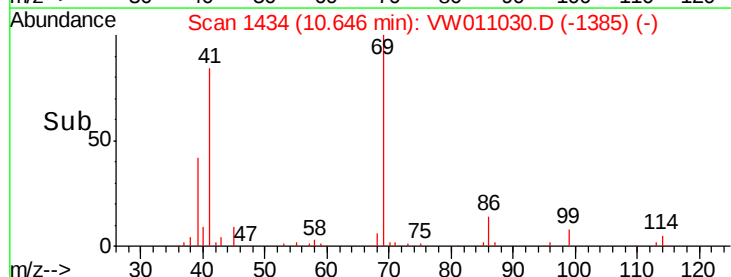


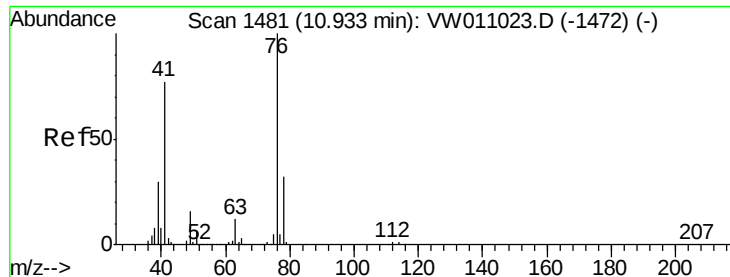
Abundance

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: 21.689 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

Instrument :

MSVOA_W

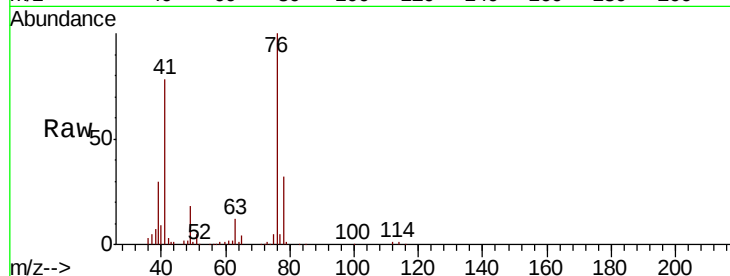
ClientSampled :

Tot Ion: 76 Resp: 78614

Ion Ratio Lower Upper

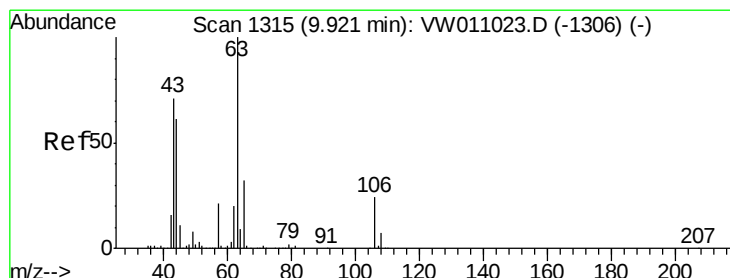
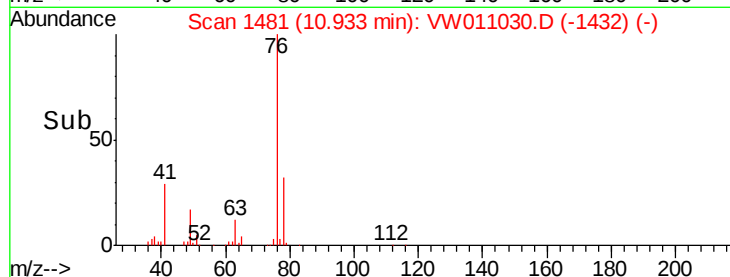
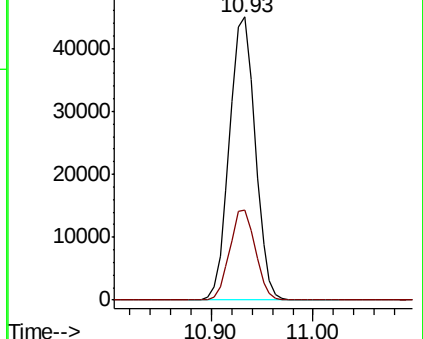
76 100

78 31.7 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#58

2-Chloroethyl Vinyl ether

Concen: 97.350 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW011030.D

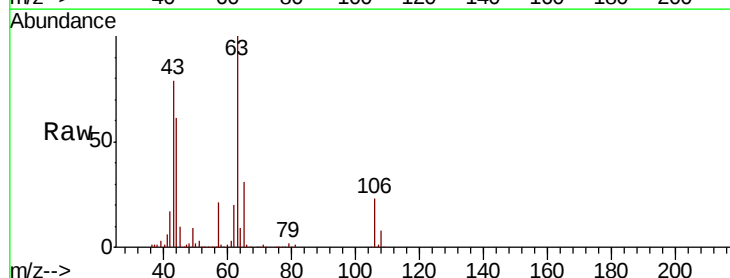
Acq: 27 Jun 2019 22:12

Tgt Ion: 63 Resp: 140548

Ion Ratio Lower Upper

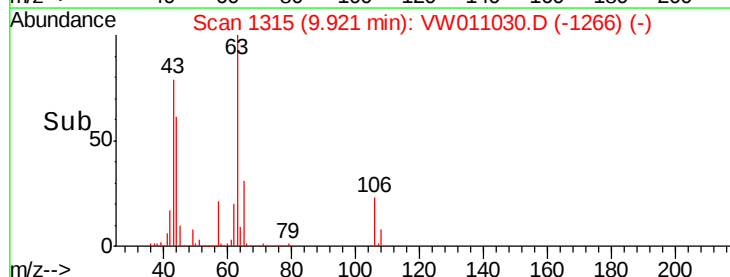
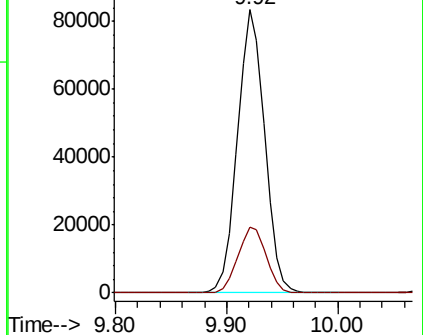
63 100

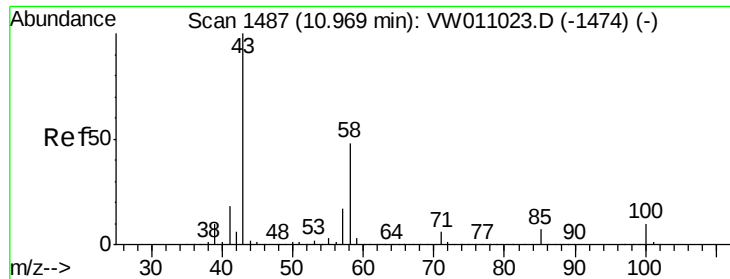
106 24.3 19.4 29.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

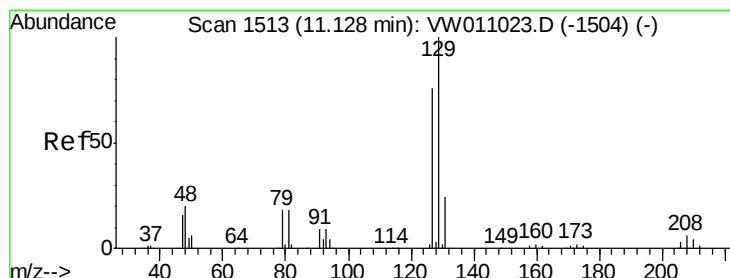
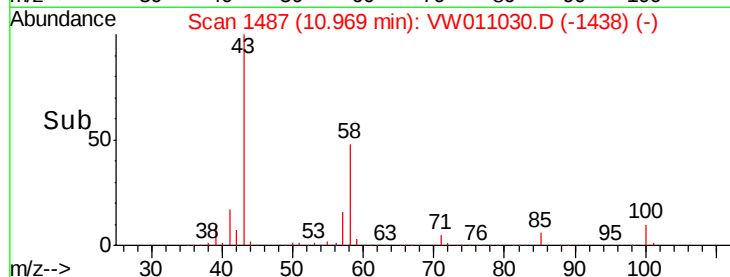
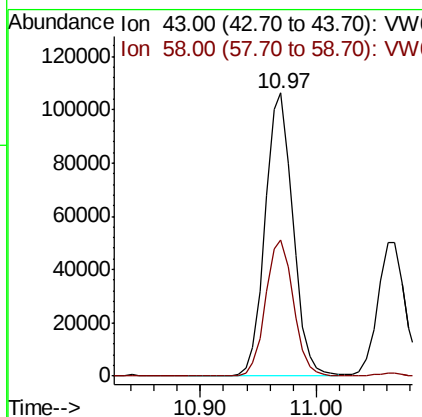
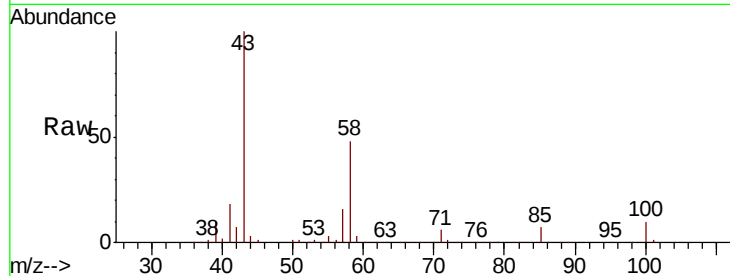




#59
2-Hexanone
Concen: 112.089 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

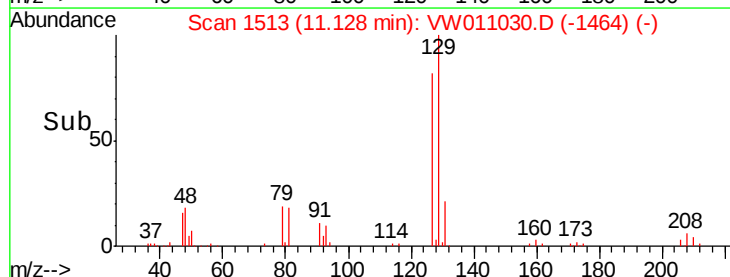
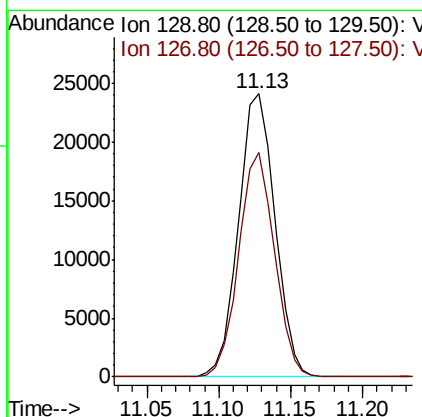
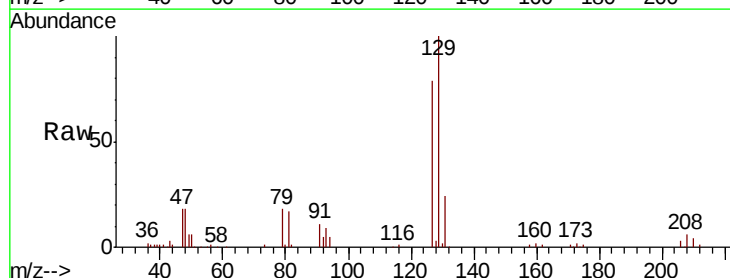
Instrument :
MSVOA_W
ClientSampled :

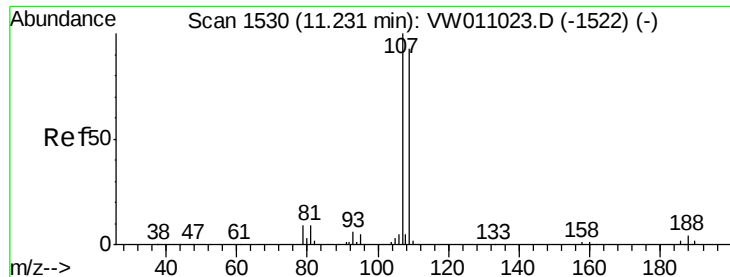
Tot Ion: 43 Resp: 174838
Ion Ratio Lower Upper
43 100
58 48.3 23.8 71.5



#60
Dibromochloromethane
Concen: 21.149 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Tgt Ion:129 Resp: 42259
Ion Ratio Lower Upper
129 100
127 77.9 39.4 118.1

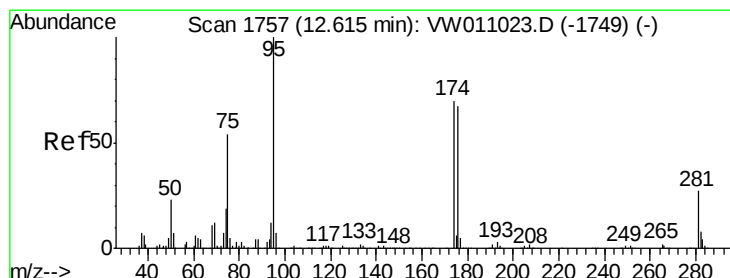
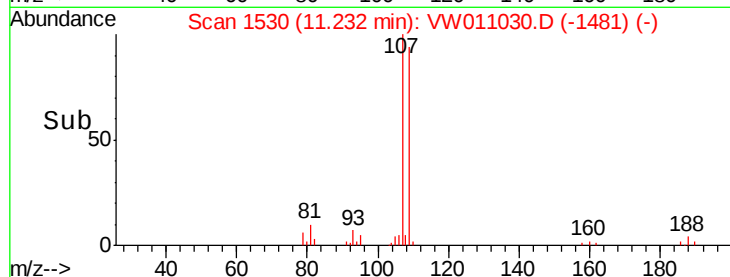
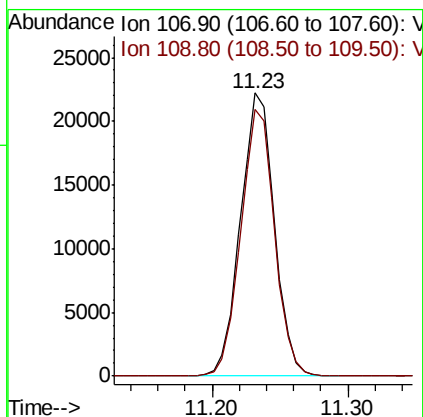
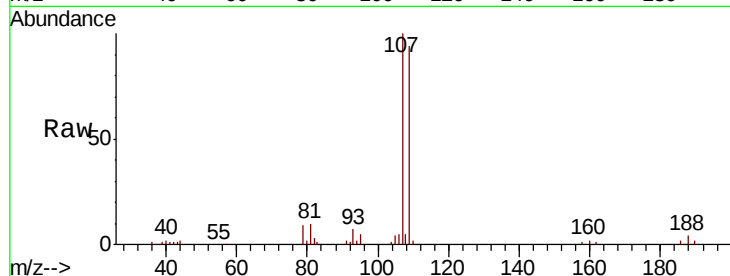




#61
 1,2-Dibromoethane
 Concen: 21.670 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW011030.D
 Acq: 27 Jun 2019 22:12

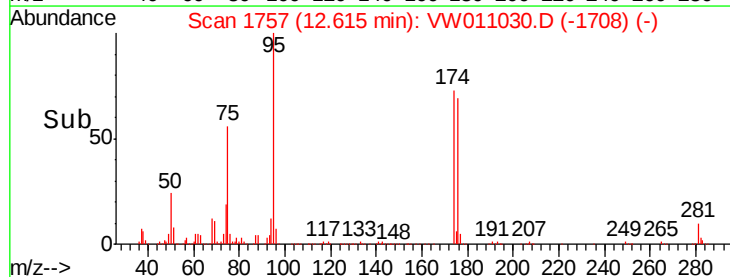
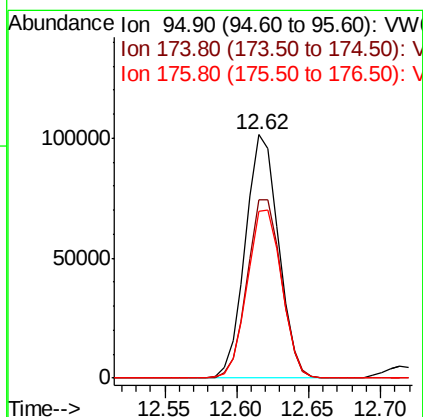
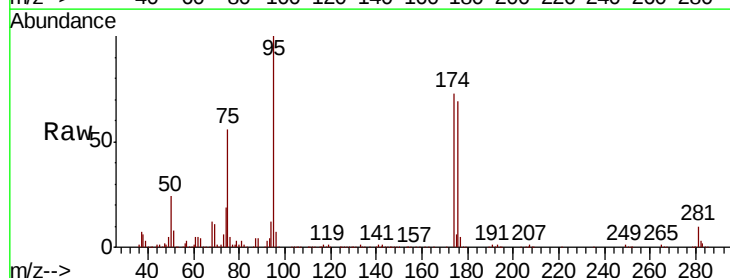
Instrument :
 MSVOA_W
 ClientSampleId :

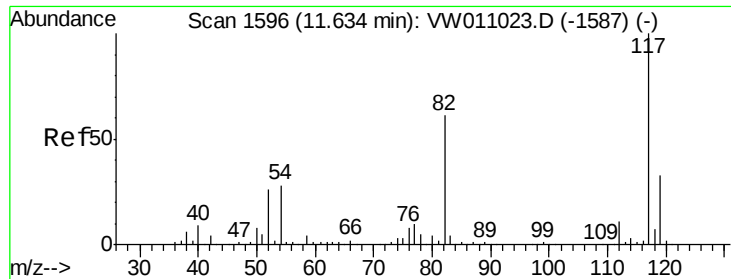
Tot Ion: 107 Resp: 38657
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 49.056 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW011030.D
 Acq: 27 Jun 2019 22:12

Tgt Ion: 95 Resp: 162010
 Ion Ratio Lower Upper
 95 100
 174 75.0 0.0 149.2
 176 71.9 0.0 143.6

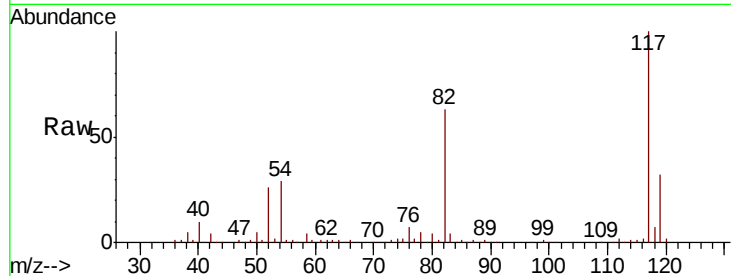




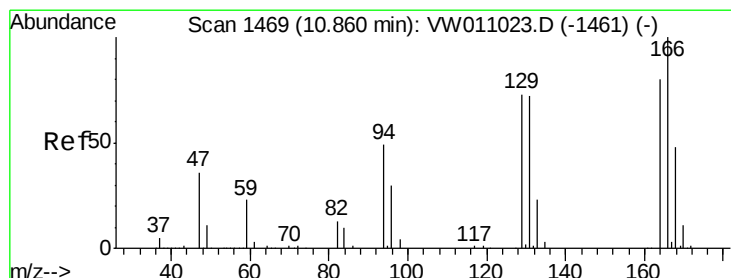
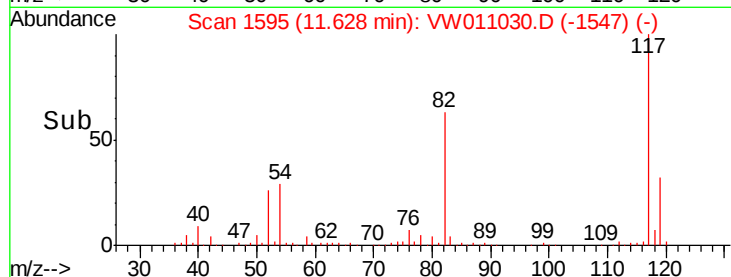
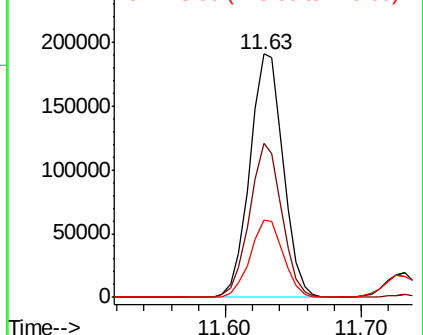
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 327952
Ion Ratio Lower Upper
117 100
82 63.0 48.6 73.0
119 31.6 26.1 39.1

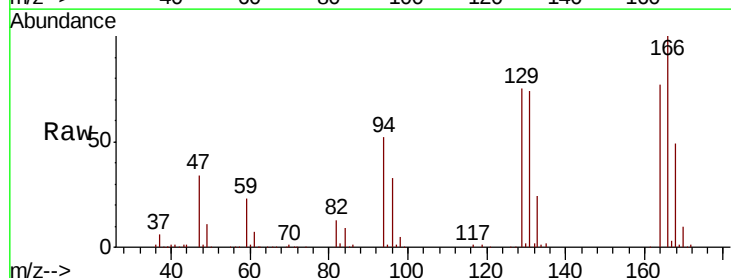


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

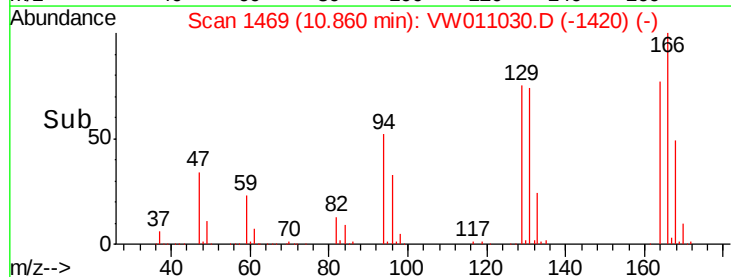
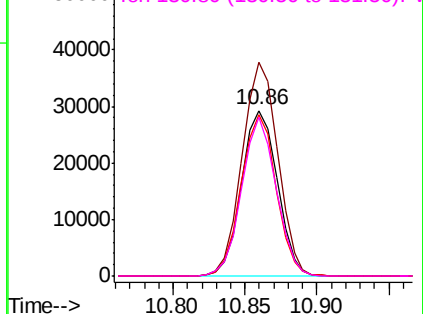


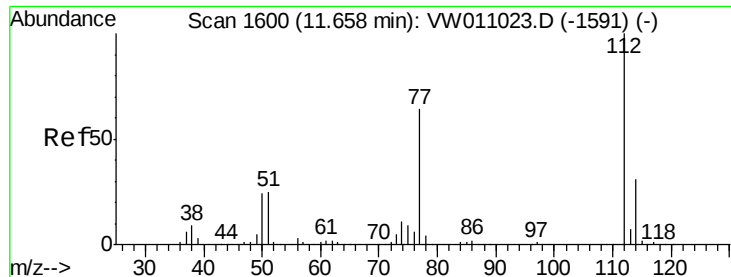
#64
Tetrachloroethene
Concen: 22.286 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Tgt Ion:164 Resp: 50297
Ion Ratio Lower Upper
164 100
166 129.2 99.8 149.6
129 97.5 73.0 109.4
131 96.2 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

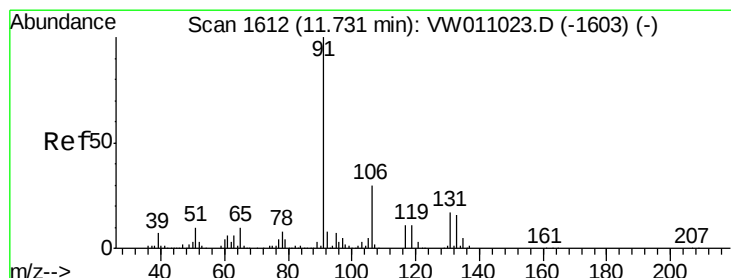
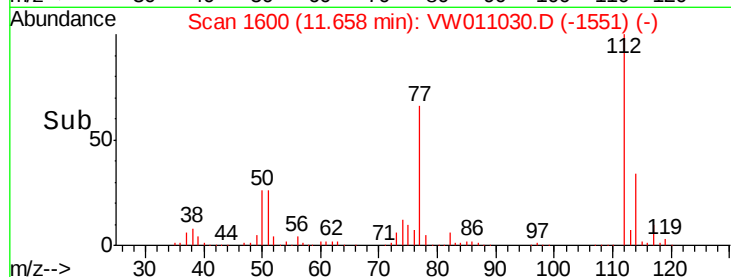
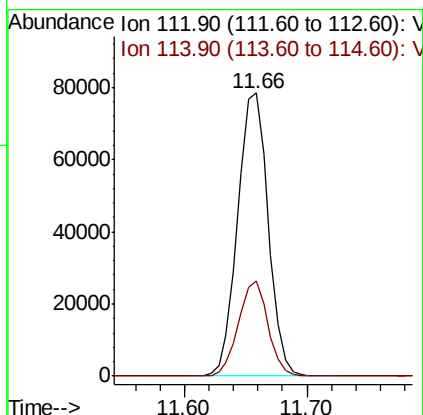
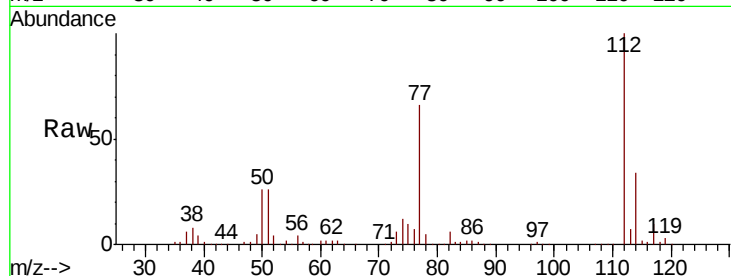




#65
Chlorobenzene
Concen: 20.210 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

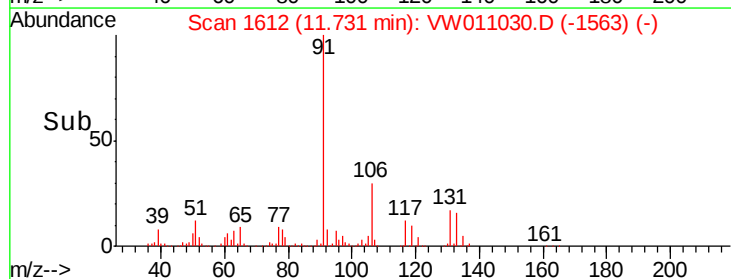
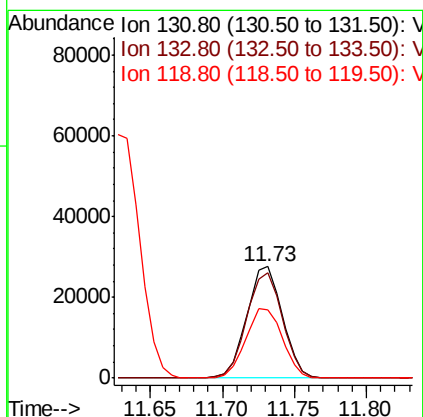
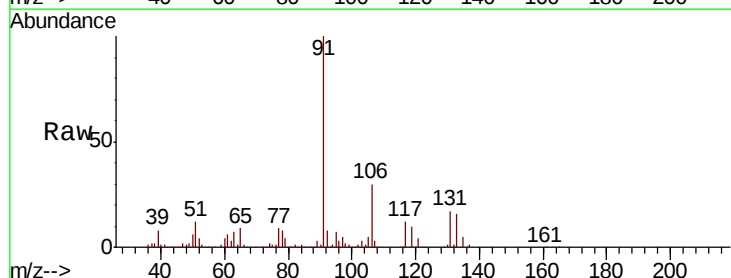
Instrument :
MSVOA_W
ClientSampleId :

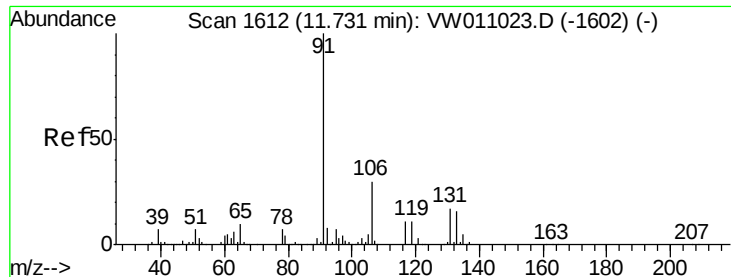
Tot Ion:112 Resp: 135673
Ion Ratio Lower Upper
112 100
114 33.8 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.678 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Tgt Ion:131 Resp: 47130
Ion Ratio Lower Upper
131 100
133 95.1 47.7 143.1
119 64.3 33.1 99.2

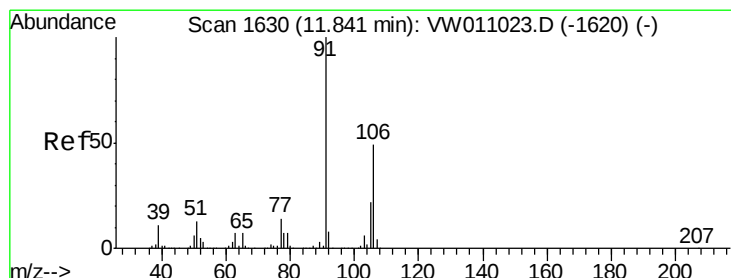
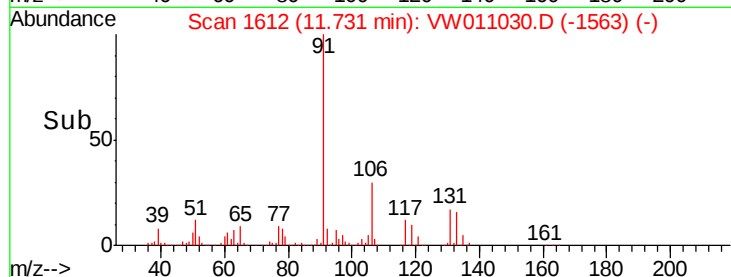
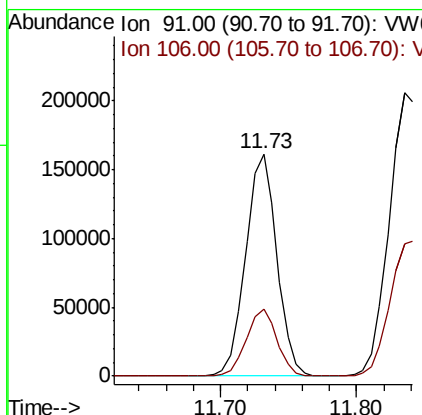
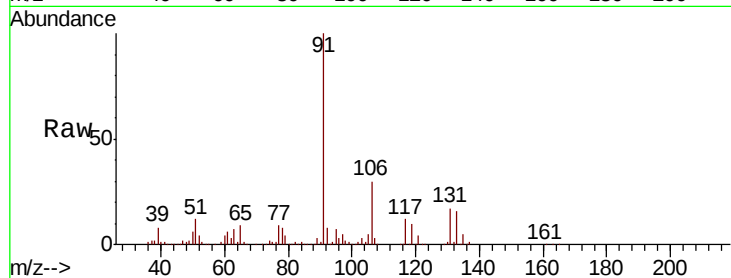




#67
Ethyl Benzene
Concen: 20.118 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

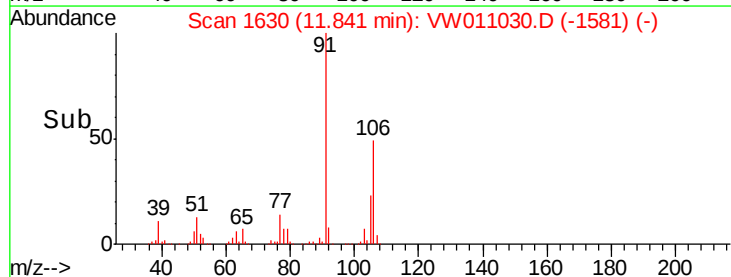
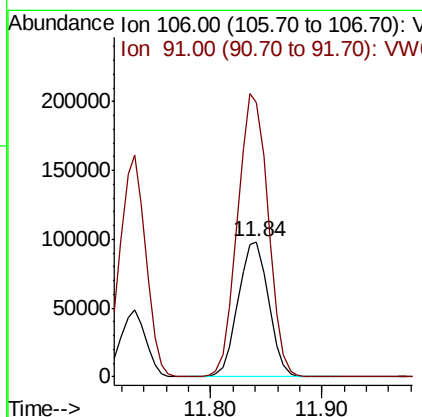
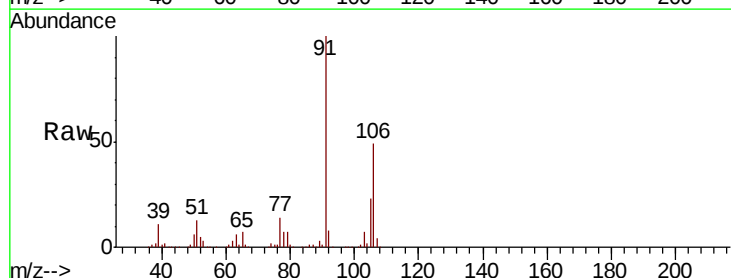
Instrument :
MSVOA_W
ClientSampled :

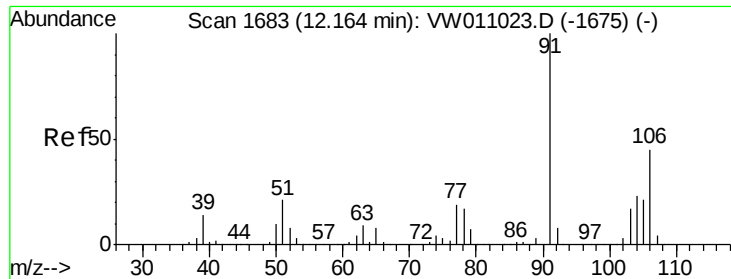
Tot Ion: 91 Resp: 258666
Ion Ratio Lower Upper
91 100
106 30.1 23.8 35.6



#68
m/p-Xylenes
Concen: 39.994 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Tgt Ion:106 Resp: 186595
Ion Ratio Lower Upper
106 100
91 209.6 167.5 251.3

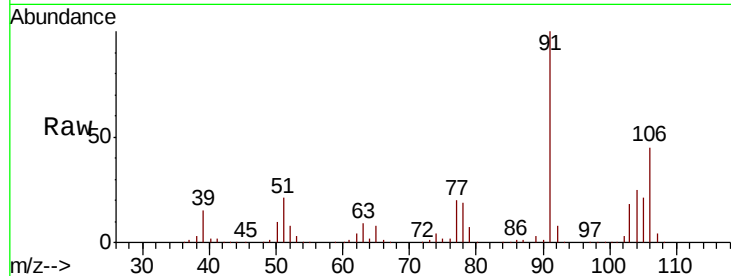




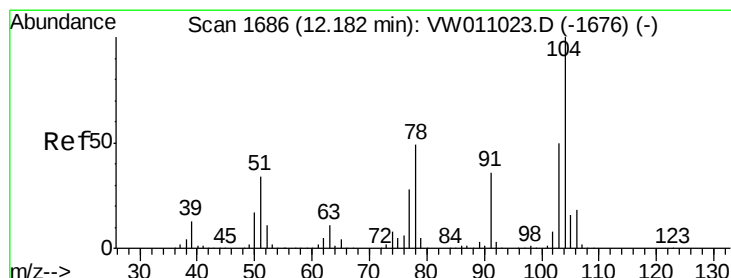
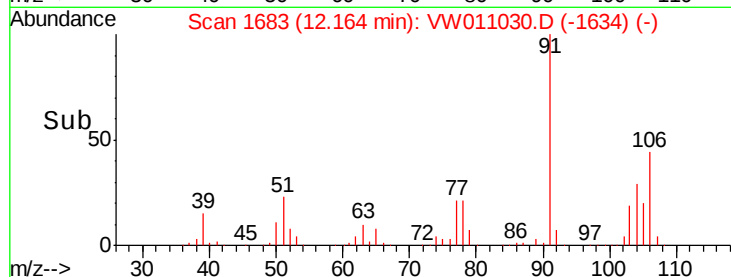
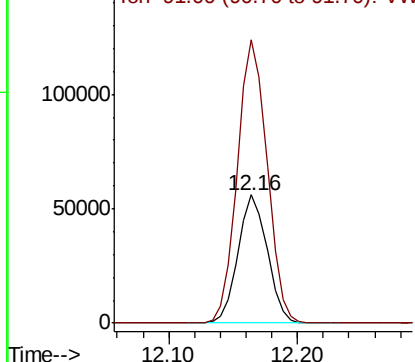
#69
o-Xylene
Concen: 20.353 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 88447
Ion Ratio Lower Upper
106 100
91 224.0 110.8 332.3

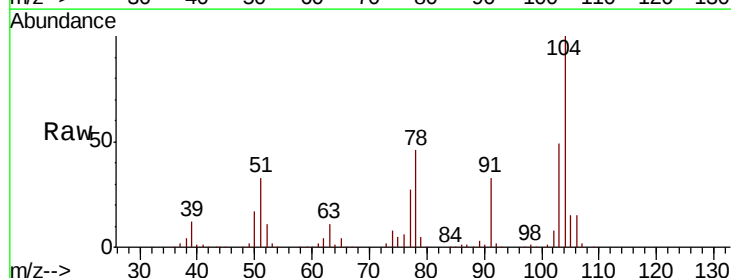


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

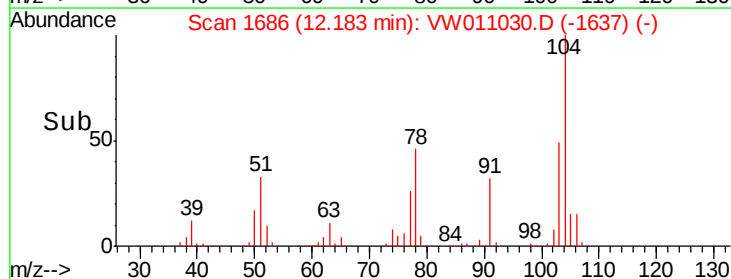
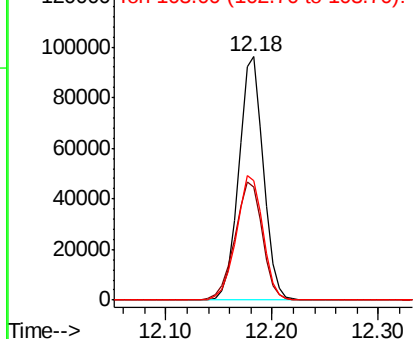


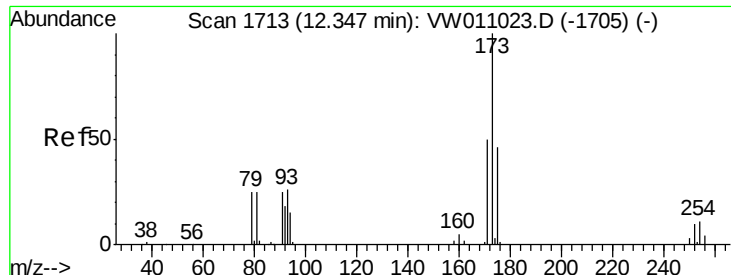
#70
Styrene
Concen: 20.641 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Tgt Ion:104 Resp: 155874
Ion Ratio Lower Upper
104 100
78 54.2 43.7 65.5
103 55.7 43.9 65.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW
Ion 103.00 (102.70 to 103.70): V

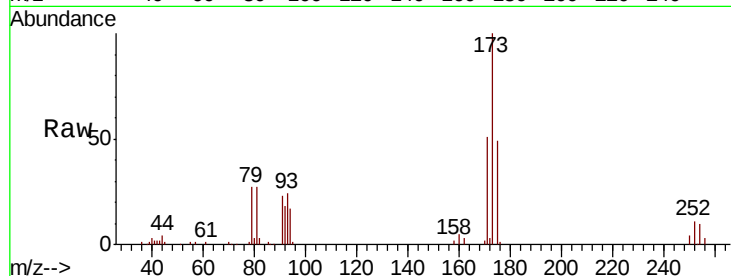




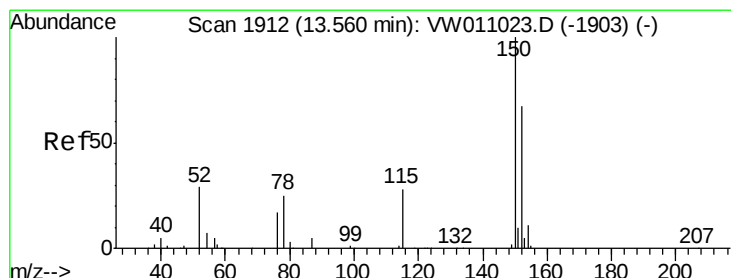
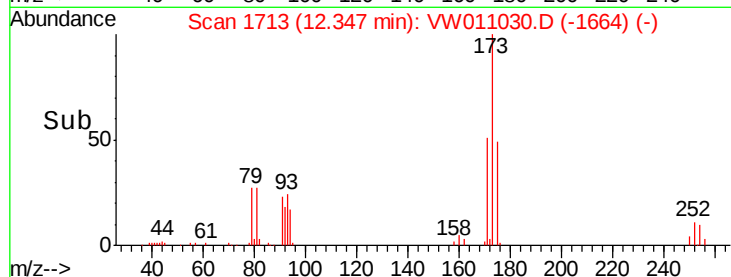
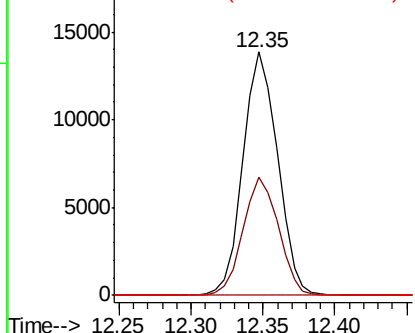
#71
Bromoform
Concen: 20.809 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:173 Resp: 23122
Ion Ratio Lower Upper
173 100
175 49.3 24.1 72.2
254 0.0 0.0 0.0

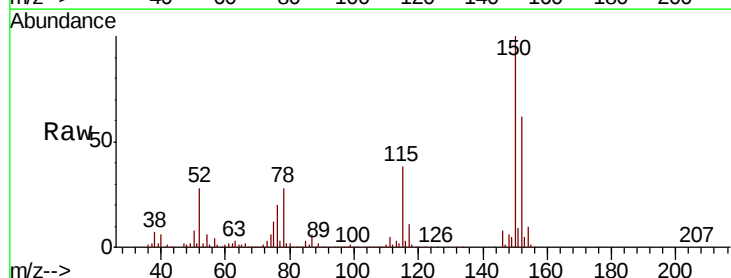


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

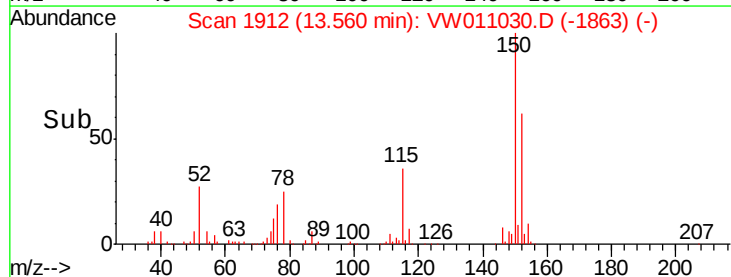
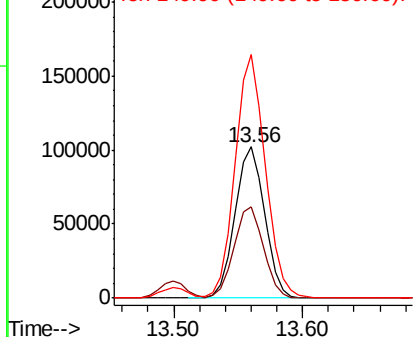


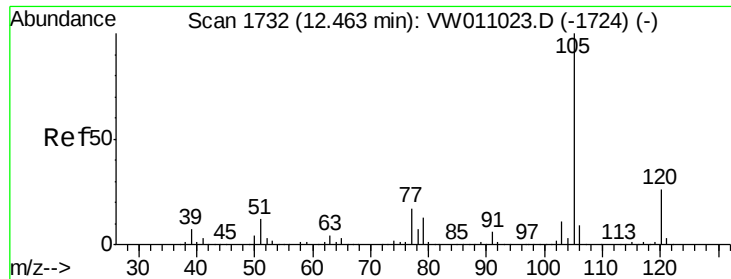
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Tgt Ion:152 Resp: 163095
Ion Ratio Lower Upper
152 100
115 60.5 30.7 92.1
150 163.8 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: 19.744 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

Instrument :

MSVOA_W

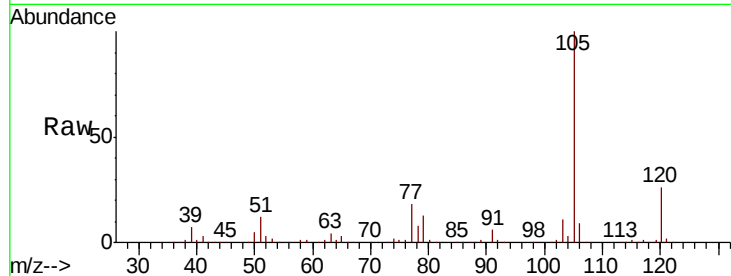
ClientSampleId :

Tot Ion:105 Resp: 241233

Ion Ratio Lower Upper

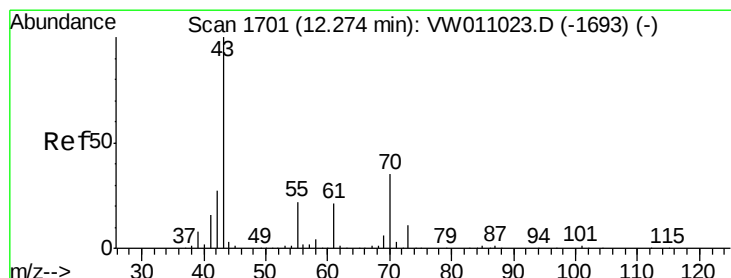
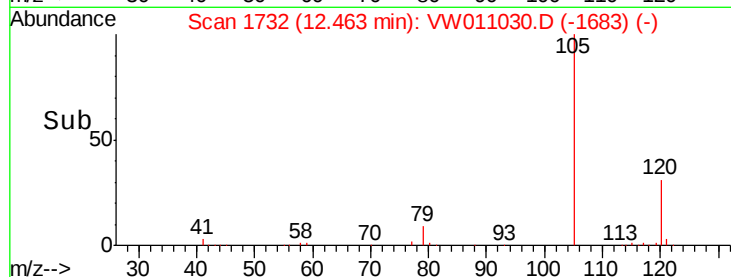
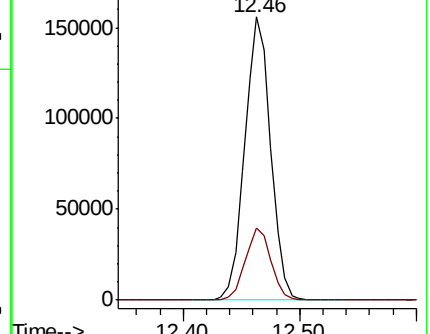
105 100

120 25.4 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: 21.569 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

Tgt Ion: 43 Resp: 88506

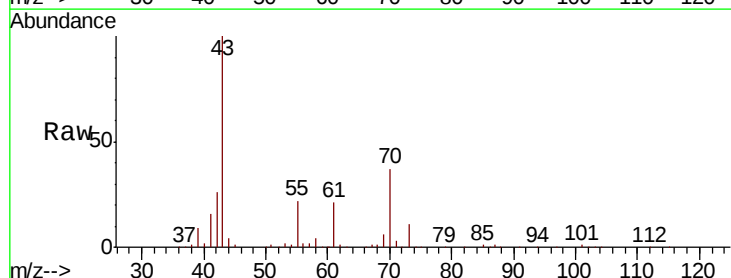
Ion Ratio Lower Upper

43 100

70 35.9 28.2 42.4

55 22.2 17.8 26.8

61 21.1 16.6 24.8

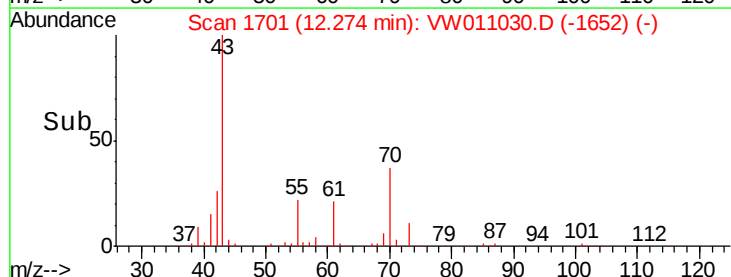
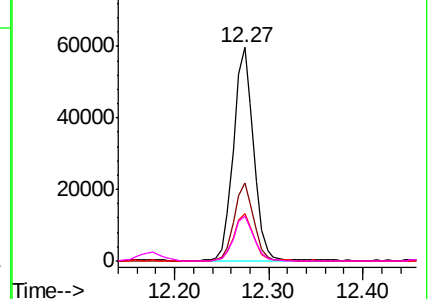


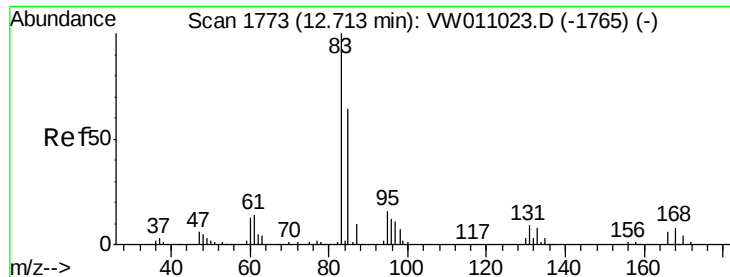
Abundance Ion 43.00 (42.70 to 43.70): VV

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: 21.256 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

Instrument :

MSVOA_W

ClientSampleId :

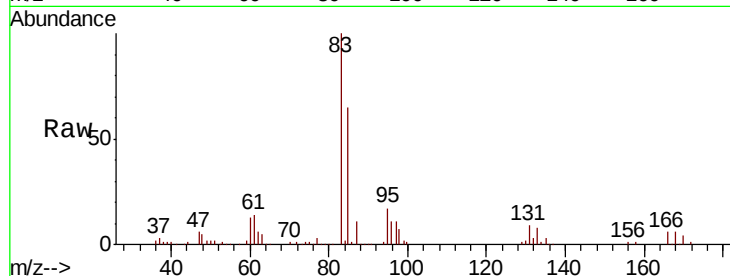
Tot Ion: 83 Resp: 51000

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.0	14.9
85	64.4	31.8	95.4

83 100

131 10.2 5.0 14.9

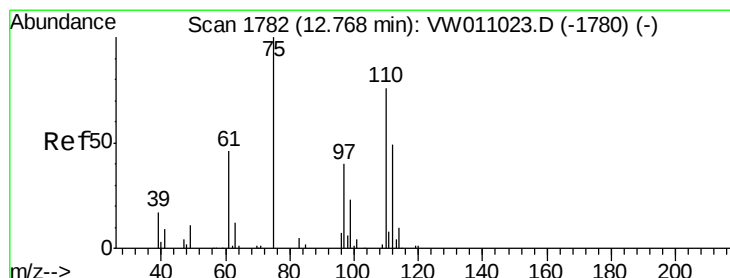
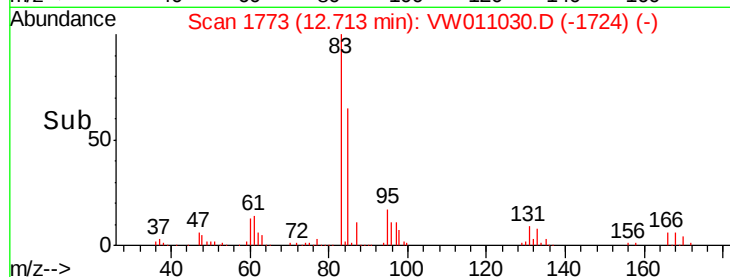
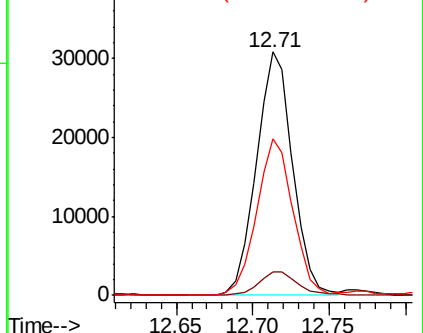
85 64.4 31.8 95.4



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: 37.103 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011030.D

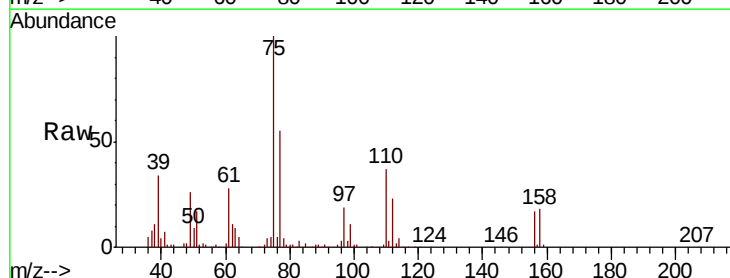
Acq: 27 Jun 2019 22:12

Tgt Ion: 75 Resp: 63886

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

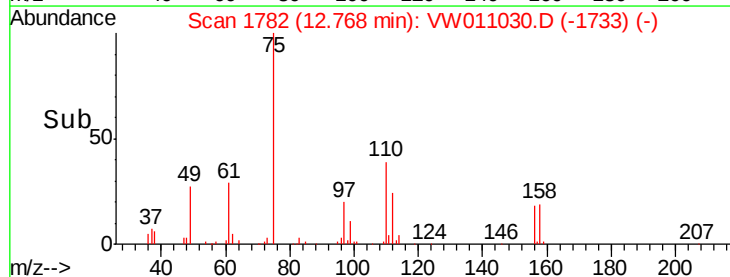
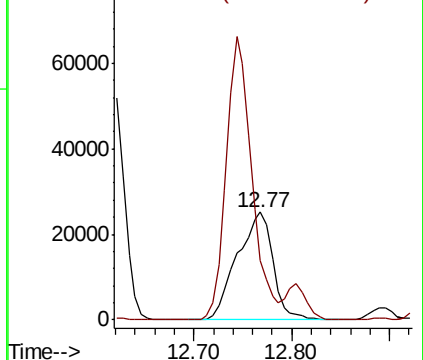
75 100

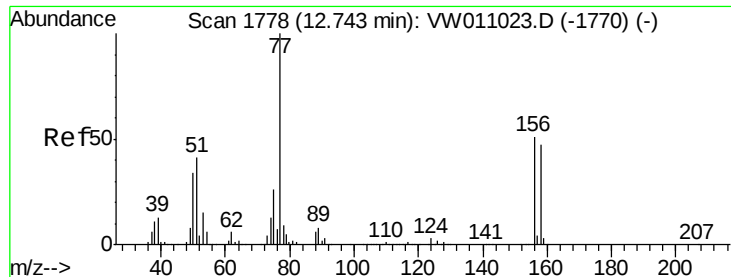
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.258 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

Instrument :

MSVOA_W

ClientSampleId :

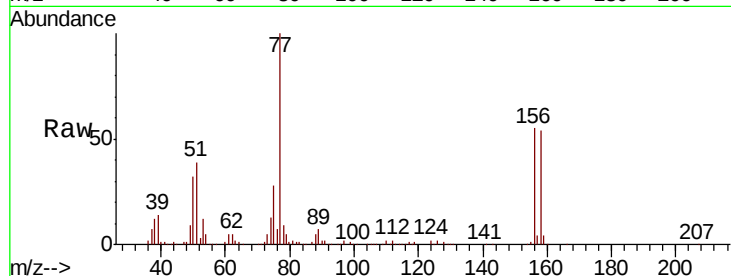
Tot Ion:156 Resp: 54404

Ion Ratio Lower Upper

156 100

77 221.7 109.5 328.5

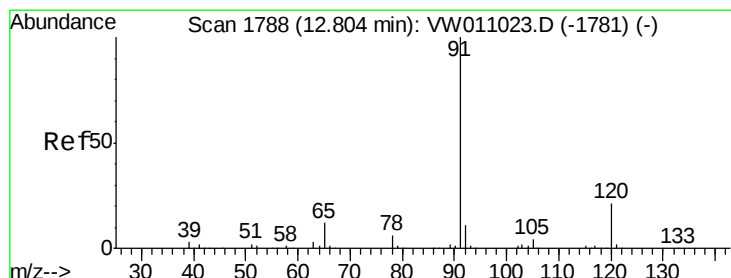
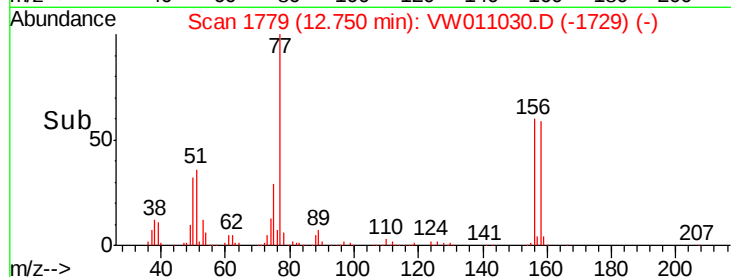
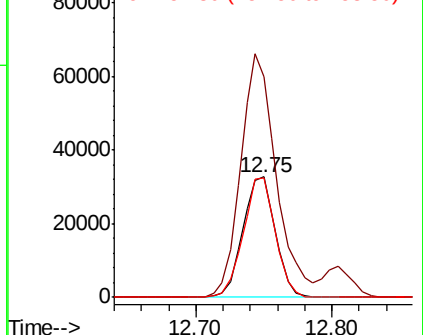
158 98.3 48.6 145.9



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: 19.577 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011030.D

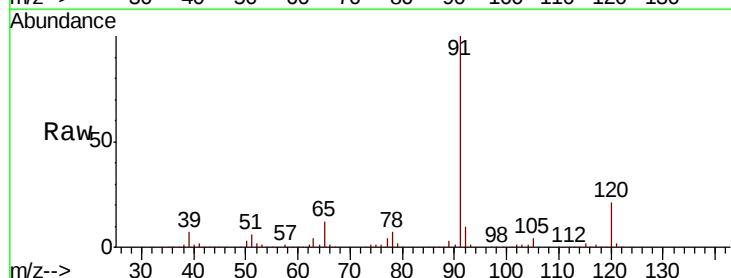
Acq: 27 Jun 2019 22:12

Tgt Ion: 91 Resp: 296213

Ion Ratio Lower Upper

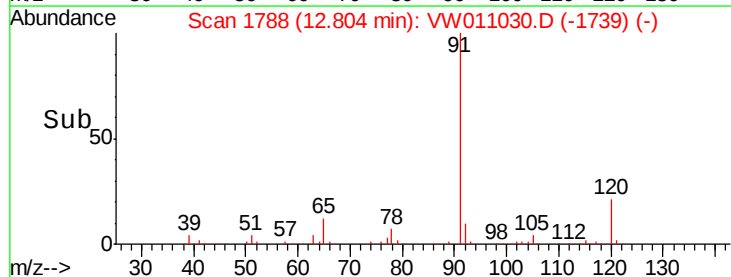
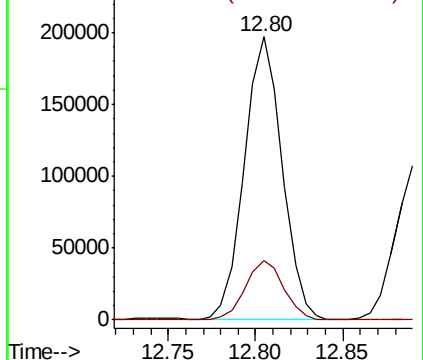
91 100

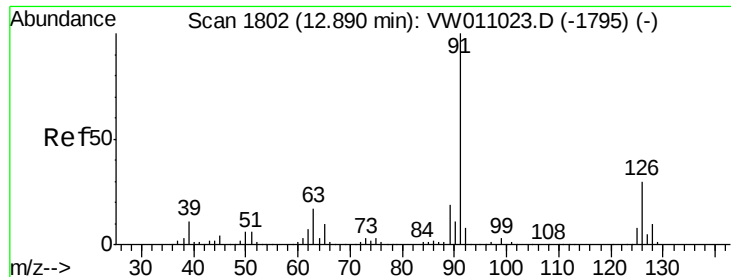
120 21.4 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.080 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

Instrument :

MSVOA_W

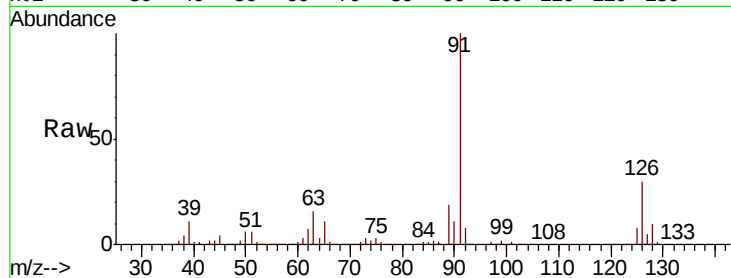
ClientSampleId :

Tot Ion: 91 Resp: 173574

Ion Ratio Lower Upper

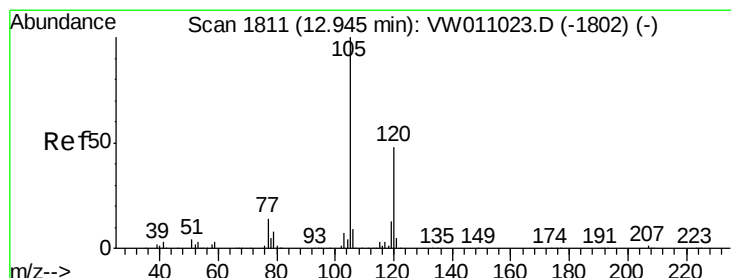
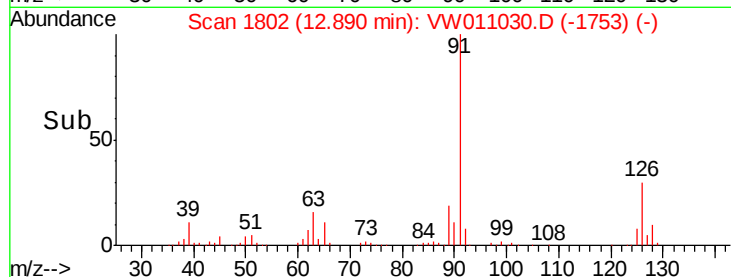
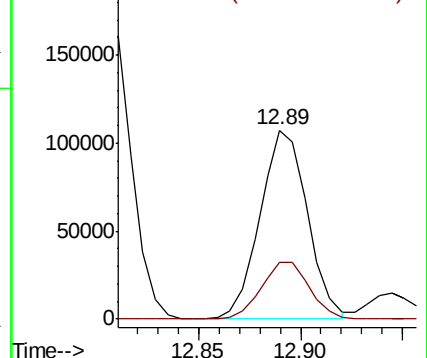
91 100

126 31.0 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.910 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011030.D

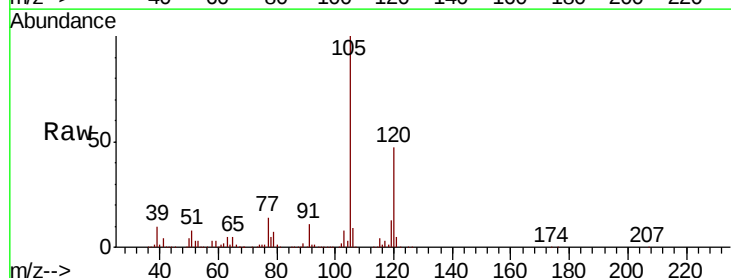
Acq: 27 Jun 2019 22:12

Tgt Ion:105 Resp: 206187

Ion Ratio Lower Upper

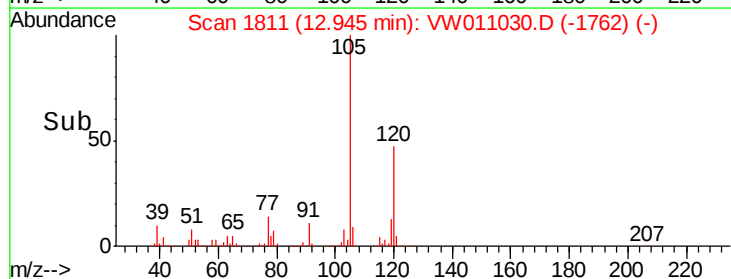
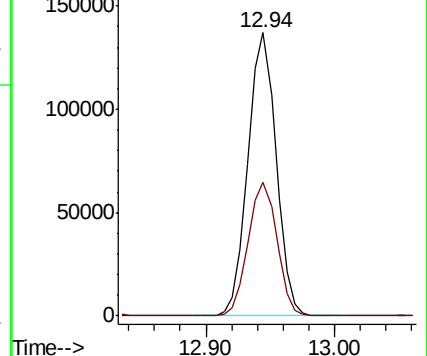
105 100

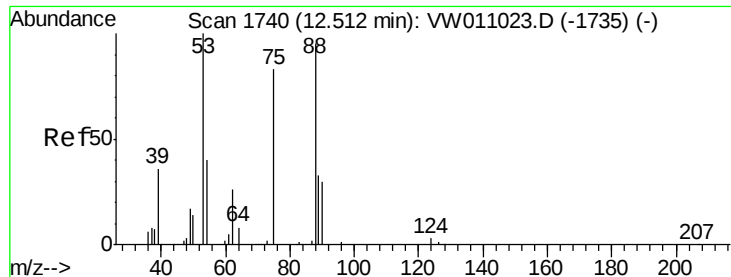
120 48.5 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

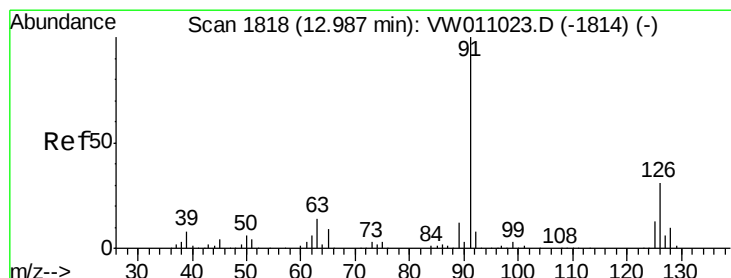
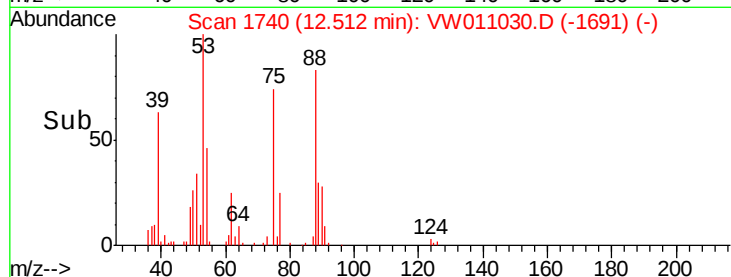
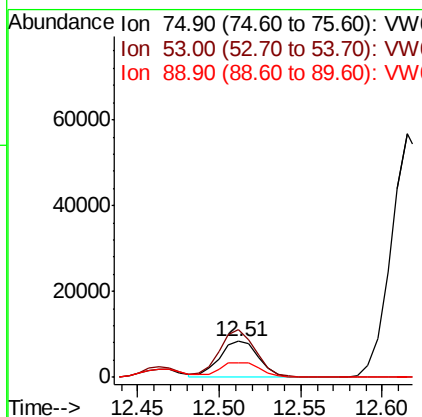
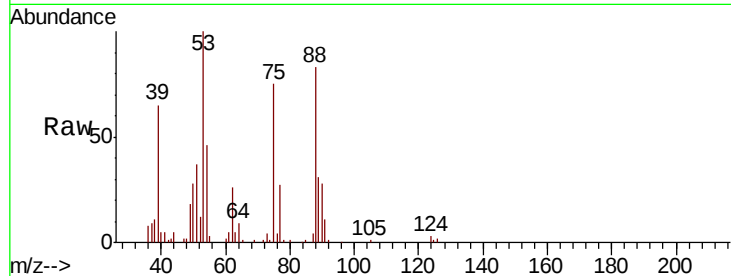




#81
trans-1,4-Dichloro-2-butene
Concen: 20.153 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

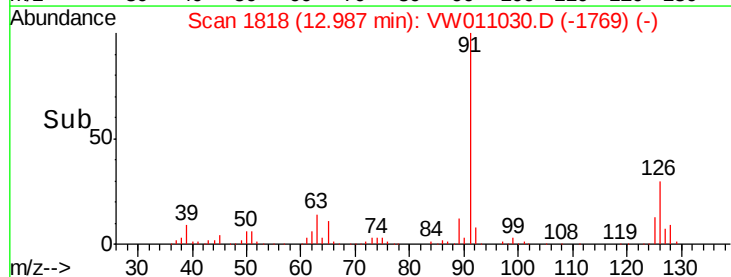
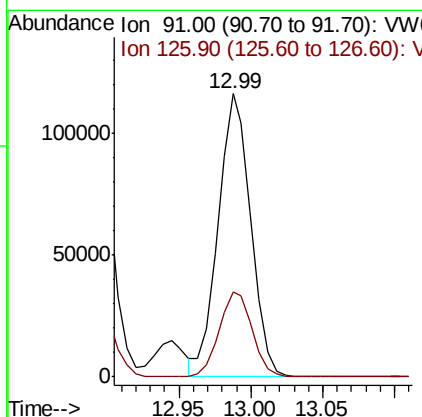
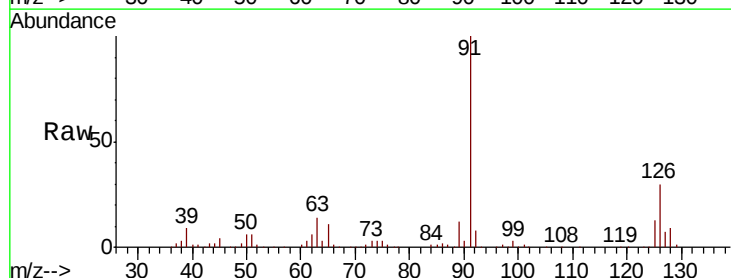
Instrument :
MSVOA_W
ClientSampleId :

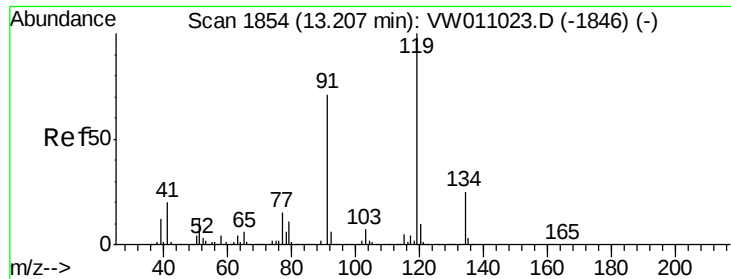
Tot Ion: 75 Resp: 14150
Ion Ratio Lower Upper
75 100
53 125.0 95.6 143.4
89 42.5 34.4 51.6



#82
4-Chlorotoluene
Concen: 20.410 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Tgt Ion: 91 Resp: 183852
Ion Ratio Lower Upper
91 100
126 30.5 15.7 47.1

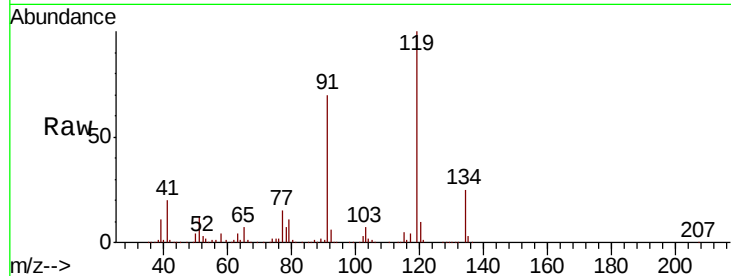




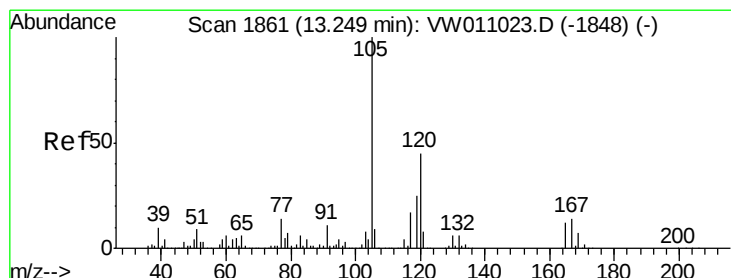
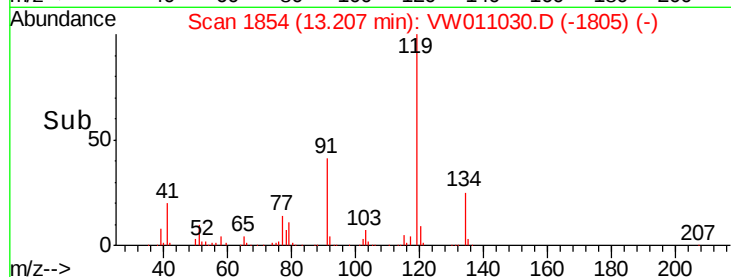
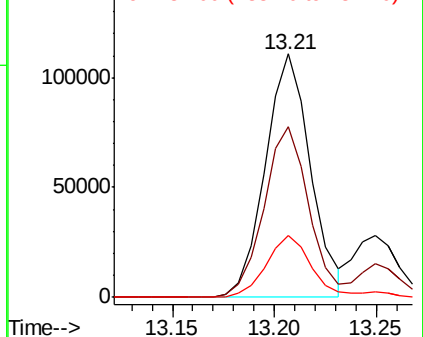
#83
tert-Butylbenzene
Concen: 19.787 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:119 Resp: 170878
Ion Ratio Lower Upper
119 100
91 69.2 35.5 106.5
134 25.0 12.4 37.2

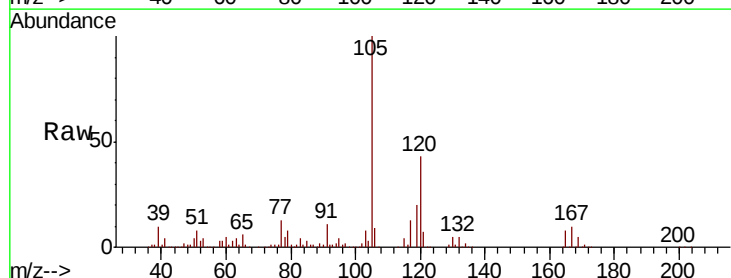


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

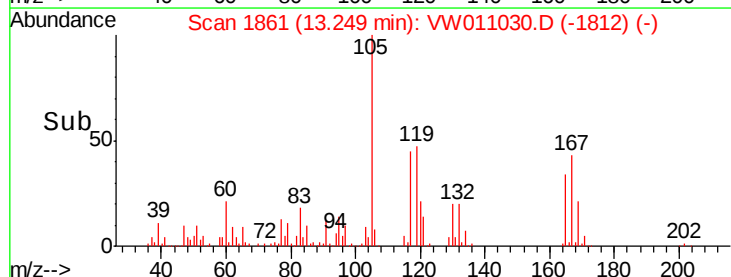
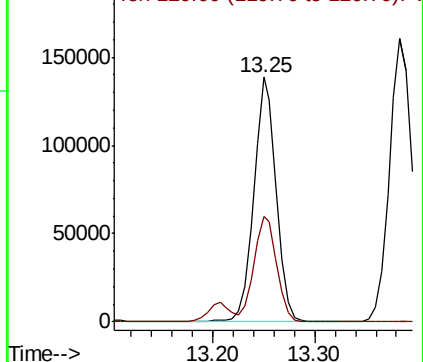


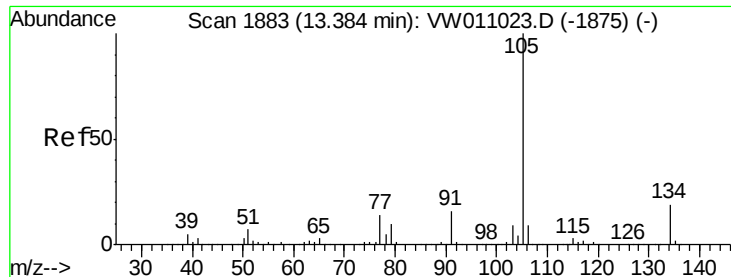
#84
1,2,4-Trimethylbenzene
Concen: 20.275 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Tgt Ion:105 Resp: 212227
Ion Ratio Lower Upper
105 100
120 44.0 22.4 67.2



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

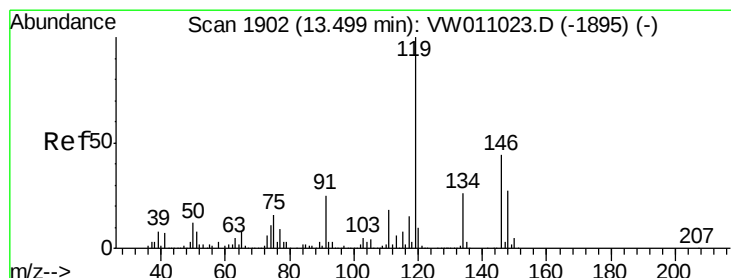
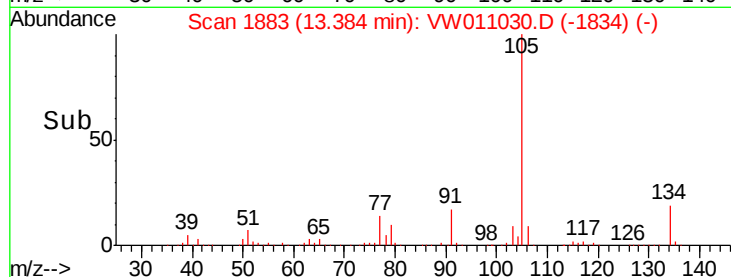
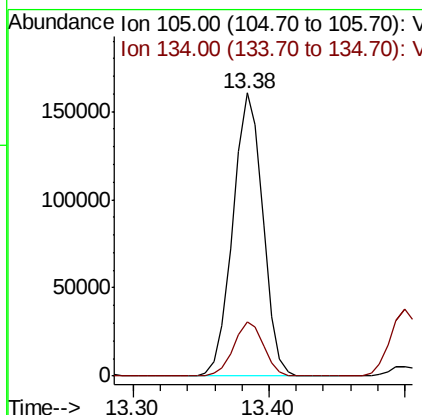
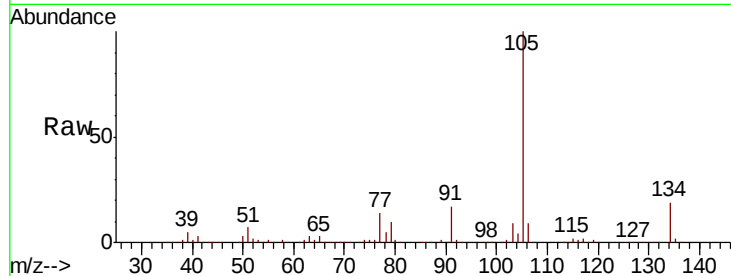




#85
 sec-Butylbenzene
 Concen: 19.648 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW011030.D
 Acq: 27 Jun 2019 22:12

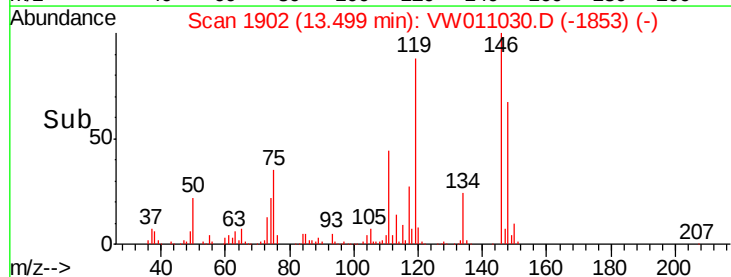
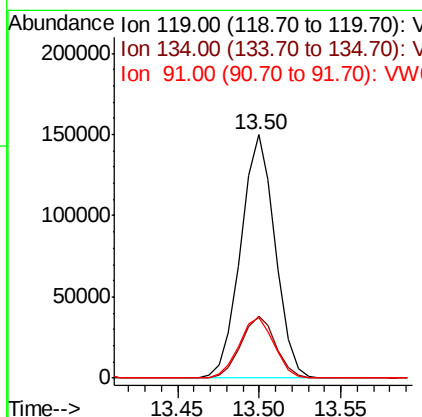
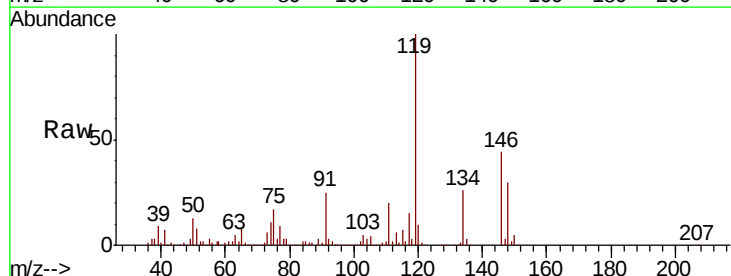
Instrument :
 MSVOA_W
 ClientSampleId :

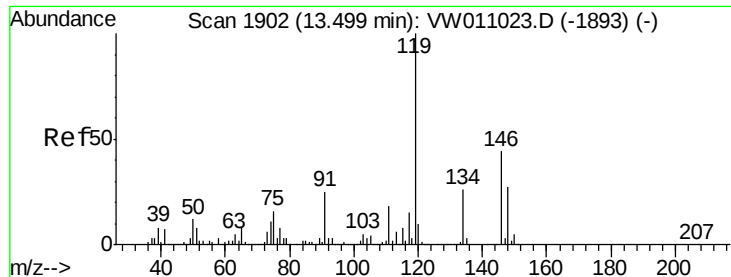
Tot Ion:105 Resp: 246482
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.6 28.8



#86
 p-Isopropyltoluene
 Concen: 19.462 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011030.D
 Acq: 27 Jun 2019 22:12

Tgt Ion:119 Resp: 219703
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.9 38.7
 91 25.2 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 20.263 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

Instrument :

MSVOA_W

ClientSampleId :

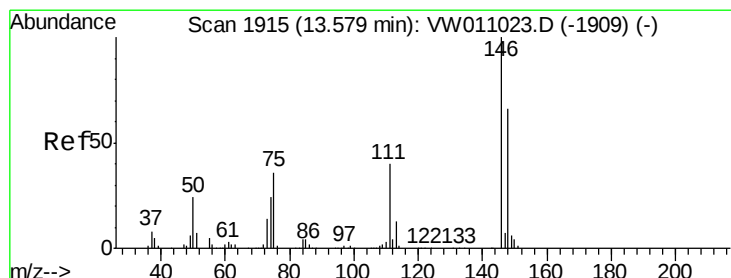
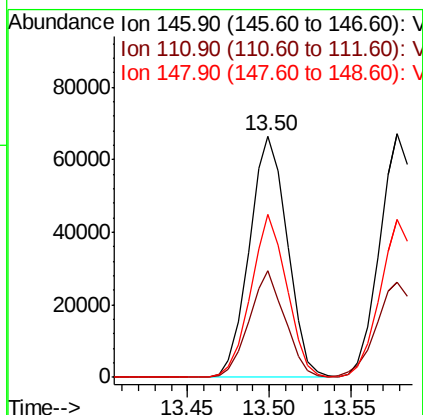
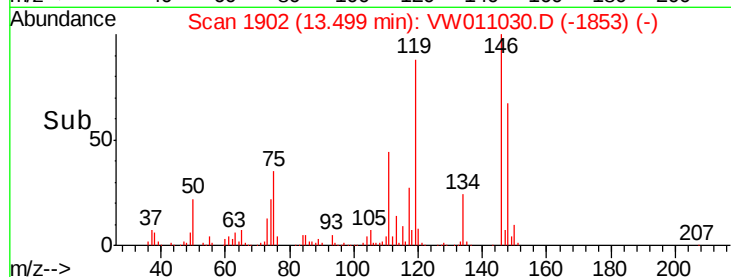
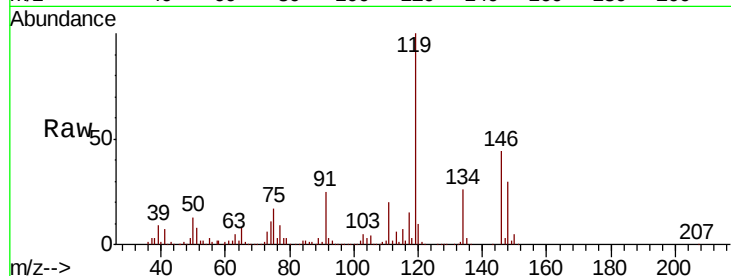
Tot Ion:146 Resp: 107644

Ion Ratio Lower Upper

146 100

111 41.7 20.9 62.8

148 64.0 31.8 95.4



#88

1,4-Dichlorobenzene

Concen: 20.237 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

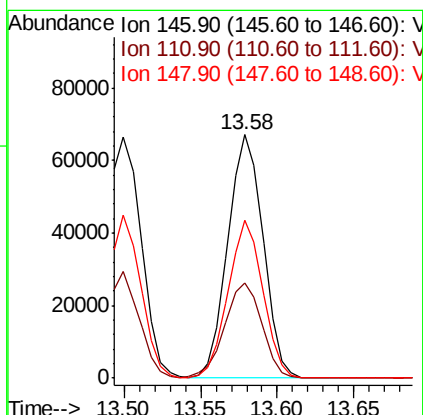
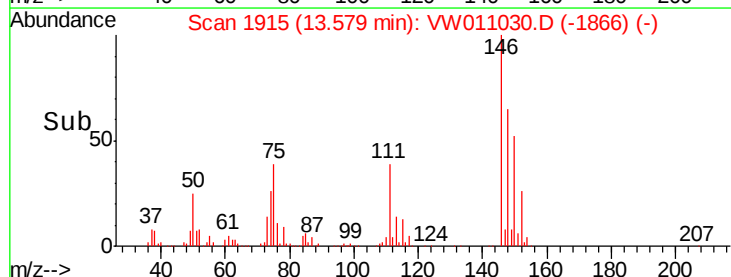
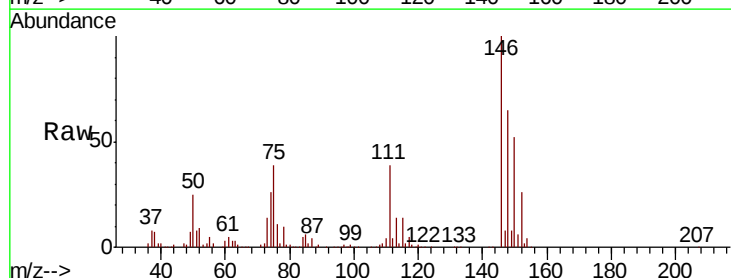
Tgt Ion:146 Resp: 107317

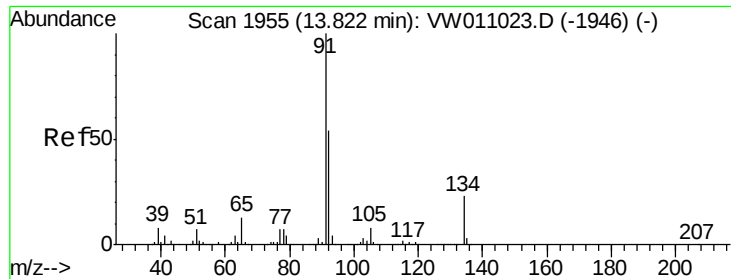
Ion Ratio Lower Upper

146 100

111 41.2 20.6 61.9

148 64.0 32.4 97.2





#89

n-Butylbenzene

Concen: 19.396 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

Instrument :

MSVOA_W

ClientSampleId :

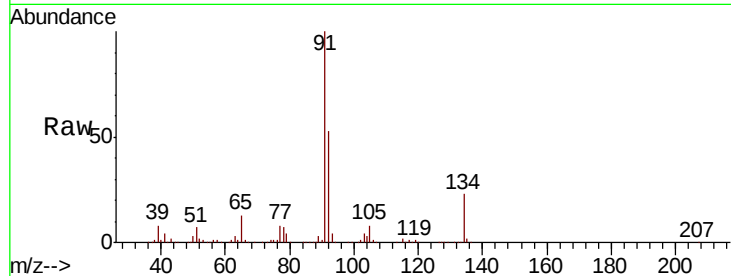
Tot Ion: 91 Resp: 222556

Ion Ratio Lower Upper

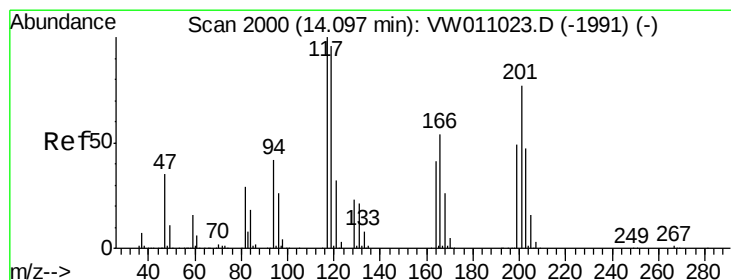
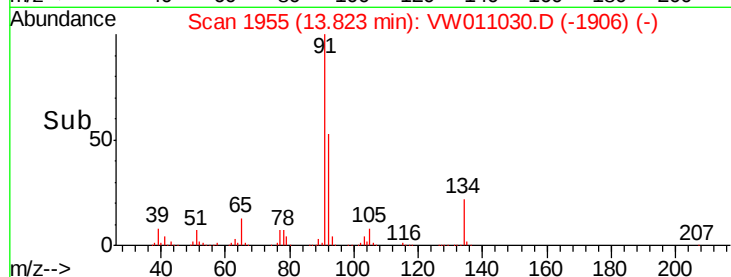
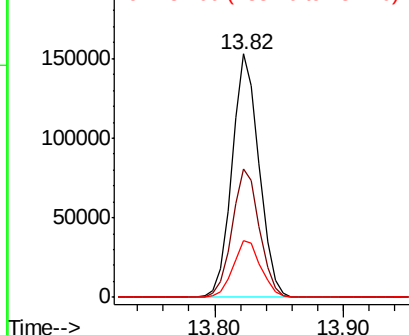
91 100

92 53.6 27.1 81.2

134 24.0 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: 18.997 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.01 min

Lab File: VW011030.D

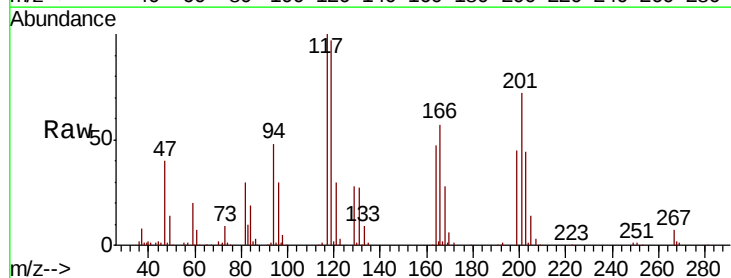
Acq: 27 Jun 2019 22:12

Tgt Ion: 117 Resp: 36695

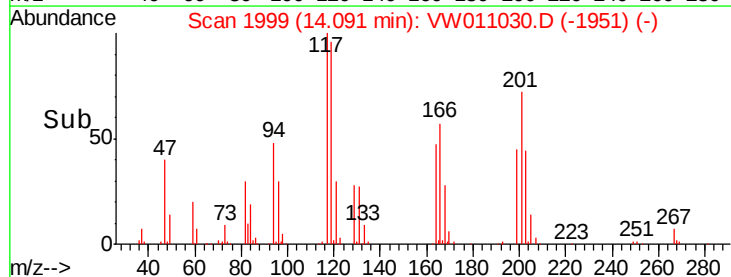
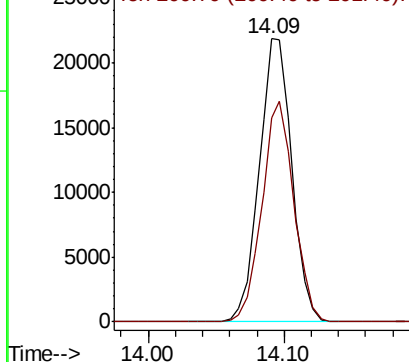
Ion Ratio Lower Upper

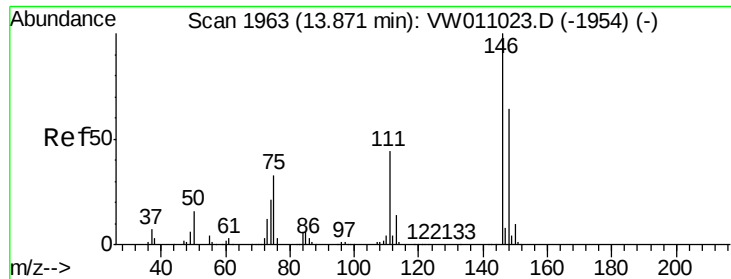
117 100

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

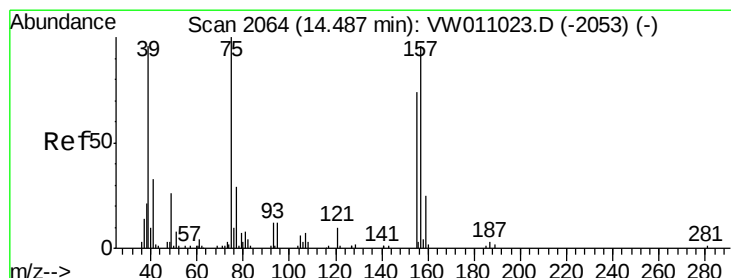
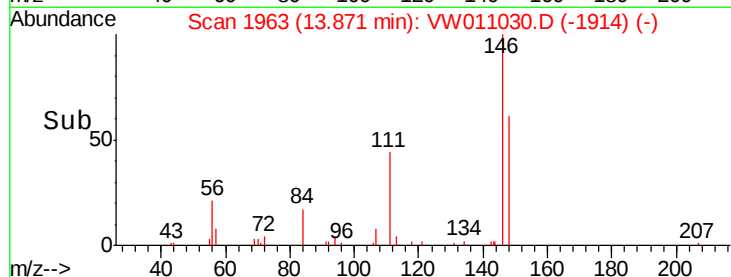
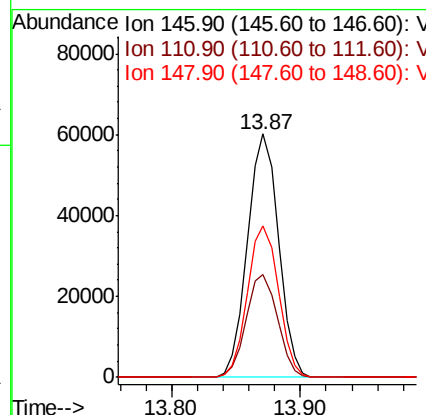
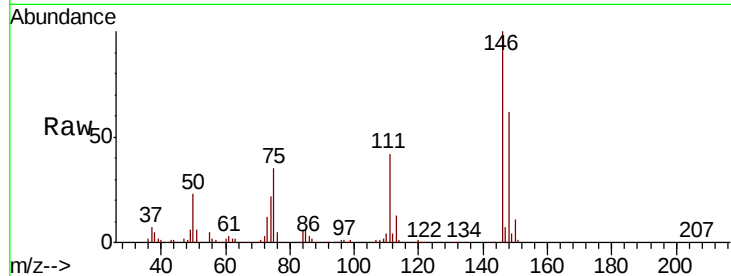




#91
 1,2-Dichlorobenzene
 Concen: 20.986 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011030.D
 Acq: 27 Jun 2019 22:12

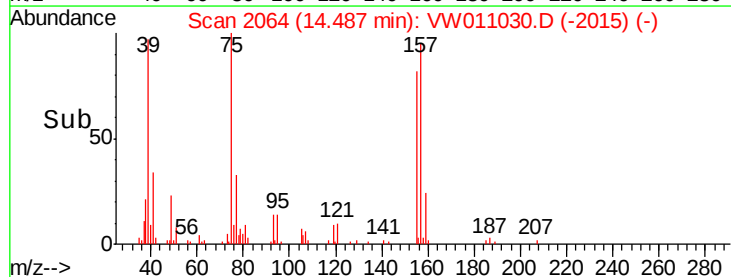
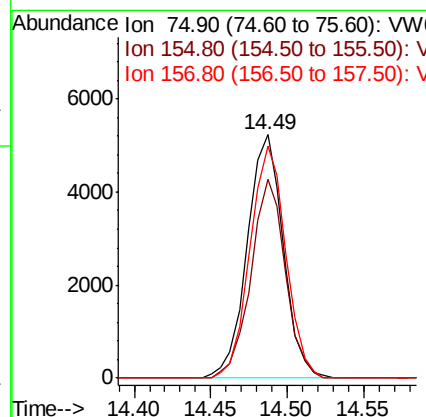
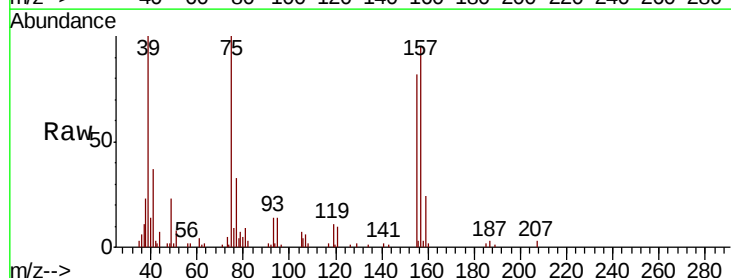
Instrument :
 MSVOA_W
 ClientSampleId :

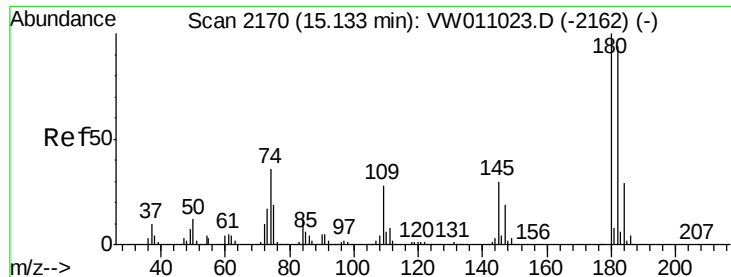
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.4	64.3
148	62.2	31.8	95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.000 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011030.D
 Acq: 27 Jun 2019 22:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.9	37.0	110.9
157	94.5	45.9	137.7

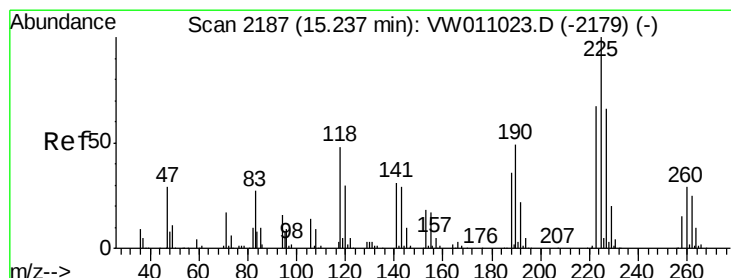
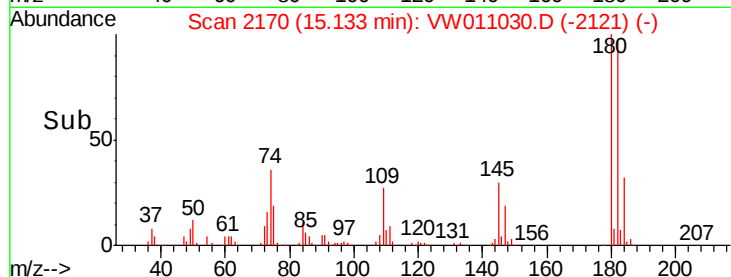
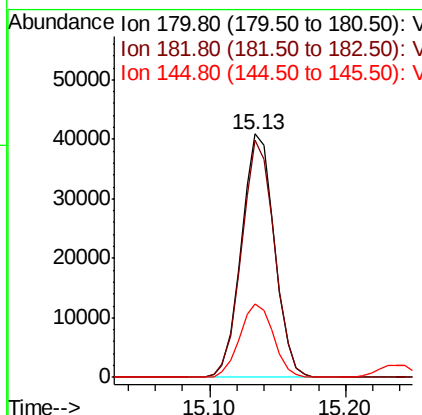
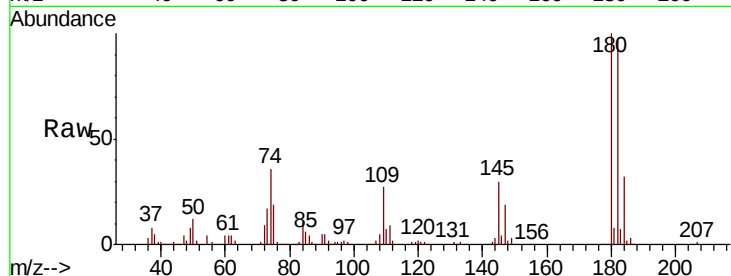




#93
 1,2,4-Trichlorobenzene
 Concen: 20.618 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW011030.D
 Acq: 27 Jun 2019 22:12

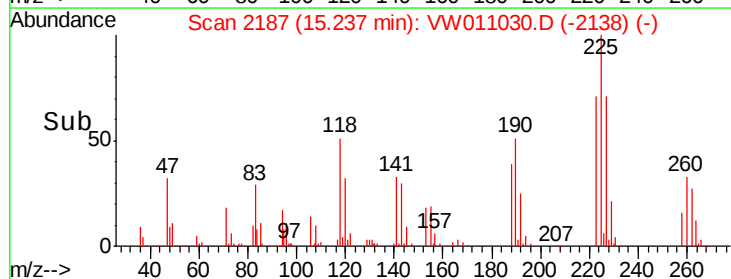
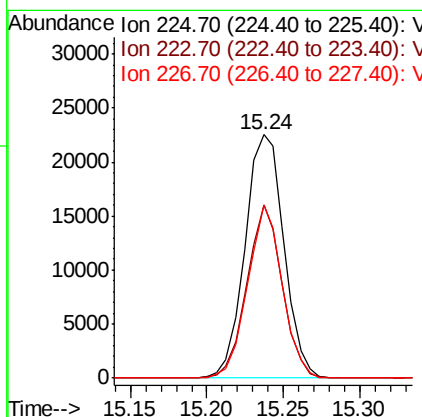
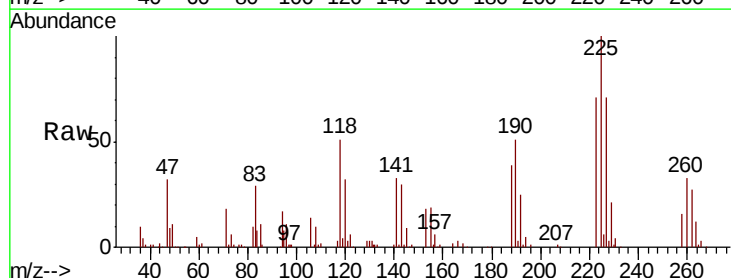
Instrument :
 MSVOA_W
 ClientSampled :

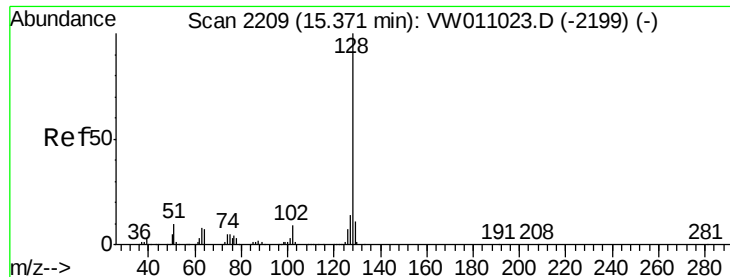
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.4	142.2
145	30.9	15.3	45.8



#94
 Hexachlorobutadiene
 Concen: 19.520 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011030.D
 Acq: 27 Jun 2019 22:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.9	95.9
227	63.4	31.9	95.9

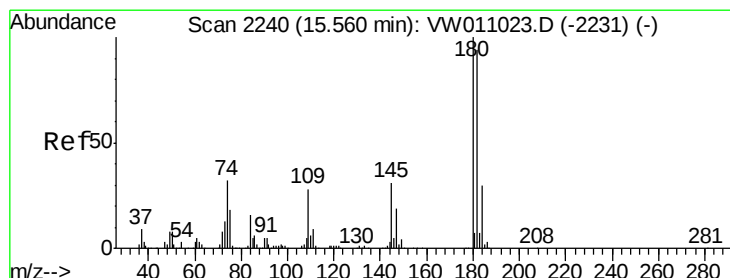
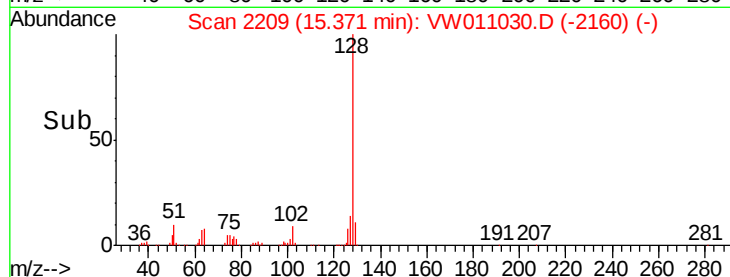
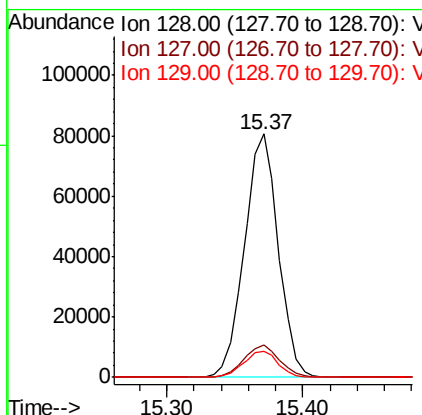
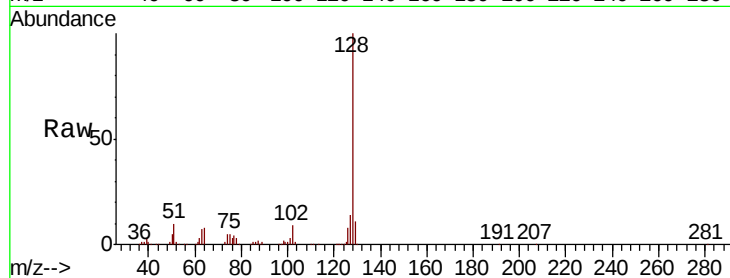




#95
Naphthalene
Concen: 22.186 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 139900
Ion Ratio Lower Upper
128 100
127 13.8 10.7 16.1
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 21.311 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Tgt Ion:180 Resp: 63879
Ion Ratio Lower Upper
180 100
182 94.8 47.9 143.7
145 31.8 16.1 48.2

