

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061319\
 Data File : VW010795.D
 Acq On : 13 Jun 2019 14:02
 Operator : SY/VA
 Sample : VW0613SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 14 07:56:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	232728	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	382859	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	341755	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	165479	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	140426	51.19	ug/l	0.00
Spiked Amount			Recovery	=	102.38%	
35) Dibromofluoromethane	7.88	113	108631	52.27	ug/l	0.00
Spiked Amount			Recovery	=	104.54%	
50) Toluene-d8	10.32	98	456704	50.12	ug/l	0.00
Spiked Amount			Recovery	=	100.24%	
62) 4-Bromofluorobenzene	12.62	95	169824	51.21	ug/l	0.00
Spiked Amount			Recovery	=	102.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	45227	21.030	ug/l	98
3) Chloromethane	2.21	50	66740	21.092	ug/l	97
4) Vinyl Chloride	2.36	62	59172	20.241	ug/l	99
5) Bromomethane	2.74	94	31847	19.838	ug/l	95
6) Chloroethane	2.90	64	35512	20.237	ug/l	97
7) Trichlorofluoromethane	3.25	101	81834	21.564	ug/l	99
8) Diethyl Ether	3.68	74	27711	20.433	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	49509	21.220	ug/l	99
10) Methyl Iodide	4.27	142	38157	19.151	ug/l	98
11) Tert butyl alcohol	5.16	59	39400	176.307	ug/l #	92
12) 1,1-Dichloroethene	4.03	96	46501	20.661	ug/l	97
13) Acrolein	3.90	56	6439	70.511	ug/l	97
14) Allyl chloride	4.67	41	106529	21.467	ug/l	98
15) Acrylonitrile	5.37	53	67976	103.174	ug/l	99
16) Acetone	4.12	43	79140	107.672	ug/l	99
17) Carbon Disulfide	4.37	76	138336	19.363	ug/l	100
18) Methyl Acetate	4.67	43	33050	20.889	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	134473	20.716	ug/l	97
20) Methylene Chloride	4.92	84	55404	21.487	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	52862	20.690	ug/l	95
22) Diisopropyl ether	6.31	45	219626	22.106	ug/l	98
23) Vinyl Acetate	6.26	43	626614	104.509	ug/l	100
24) 1,1-Dichloroethane	6.21	63	107691	21.630	ug/l	98
25) 2-Butanone	7.17	43	110637	108.554	ug/l	98
26) 2,2-Dichloropropane	7.17	77	96642	23.853	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	59771	21.258	ug/l	94
28) Bromochloromethane	7.51	49	48779	21.953	ug/l	97
29) Tetrahydrofuran	7.53	42	65999	102.952	ug/l	99
30) Chloroform	7.68	83	97138	21.330	ug/l	99
31) Cyclohexane	7.95	56	115494	20.867	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	85793	21.566	ug/l	99
36) 1,1-Dichloropropene	8.08	75	83038	21.189	ug/l	99
37) Ethyl Acetate	7.25	43	44142	20.326	ug/l	99
38) Carbon Tetrachloride	8.07	117	71046	21.000	ug/l	94

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	102750	20.625	ug/l	98
40) Benzene	8.32	78	227207	21.252	ug/l	99
41) Methacrylonitrile	7.49	41	29389	22.767	ug/l	93
42) 1,2-Dichloroethane	8.40	62	72944	21.497	ug/l	99
43) Isopropyl Acetate	8.43	43	85060	20.274	ug/l	100
44) Trichloroethene	9.09	130	55297	20.967	ug/l	98
45) 1,2-Dichloropropane	9.37	63	60603	21.414	ug/l	98
46) Dibromomethane	9.46	93	26994	20.535	ug/l	99
47) Bromodichloromethane	9.65	83	71607	21.015	ug/l	95
48) Methyl methacrylate	9.43	41	40965	20.251	ug/l	99
49) 1,4-Dioxane	9.45	88	9014	438.598	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	220703	102.969	ug/l	100
52) Toluene	10.39	92	139836	21.258	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	75122	20.814	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	88268	20.784	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	38537	20.350	ug/l	97
56) Ethyl methacrylate	10.65	69	59066	20.270	ug/l	95
57) 1,3-Dichloropropane	10.93	76	74215	20.796	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	153535	100.597	ug/l	98
59) 2-Hexanone	10.97	43	156477	101.013	ug/l	99
60) Dibromochloromethane	11.13	129	42756	20.368	ug/l	99
61) 1,2-Dibromoethane	11.24	107	36368	20.270	ug/l	99
64) Tetrachloroethene	10.86	164	46143	20.335	ug/l	97
65) Chlorobenzene	11.66	112	142034	21.134	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	49066	21.091	ug/l	100
67) Ethyl Benzene	11.73	91	274815	21.277	ug/l	98
68) m/p-Xylenes	11.84	106	196333	42.464	ug/l	99
69) o-Xylene	12.16	106	92563	21.109	ug/l	98
70) Styrene	12.18	104	161720	21.230	ug/l	99
71) Bromoform	12.35	173	23251	19.324	ug/l #	100
73) Isopropylbenzene	12.46	105	262808	21.134	ug/l	100
74) N-amyl acetate	12.27	43	82418	20.508	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	47149	19.917	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	62329	35.868	ug/l #	100
77) Bromobenzene	12.75	156	55436	20.423	ug/l	95
78) n-propylbenzene	12.80	91	318949	21.271	ug/l	100
79) 2-Chlorotoluene	12.90	91	182569	21.312	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	215743	21.196	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	14442	19.101	ug/l	97
82) 4-Chlorotoluene	12.99	91	188133	21.281	ug/l	99
83) tert-Butylbenzene	13.21	119	183355	21.226	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	218971	21.379	ug/l	99
85) sec-Butylbenzene	13.38	105	266253	21.170	ug/l	100
86) p-Isopropyltoluene	13.50	119	238034	21.164	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	110567	21.122	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	108974	20.999	ug/l	99
89) n-Butylbenzene	13.83	91	242280	21.590	ug/l	100
90) Hexachloroethane	14.10	117	41036	20.374	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	99669	21.173	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8080	19.876	ug/l	94

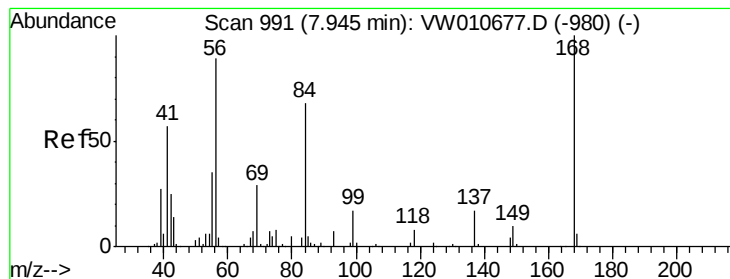
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	69529	21.047	ug/l	99
94) Hexachlorobutadiene	15.24	225	44080	21.261	ug/l	98
95) Naphthalene	15.37	128	117377	19.556	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	58780	20.923	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: VW010795.D

Acq: 13 Jun 2019 14:02

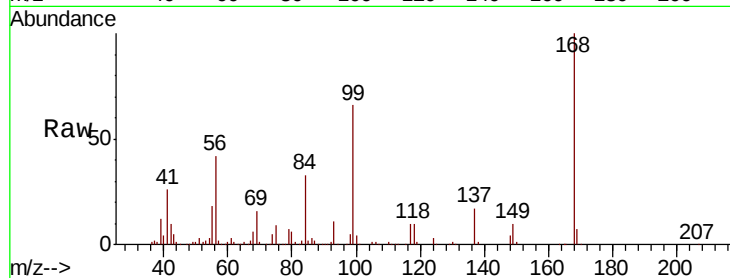
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 232728

Ion Ratio Lower Upper

168 100

99 65.9 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

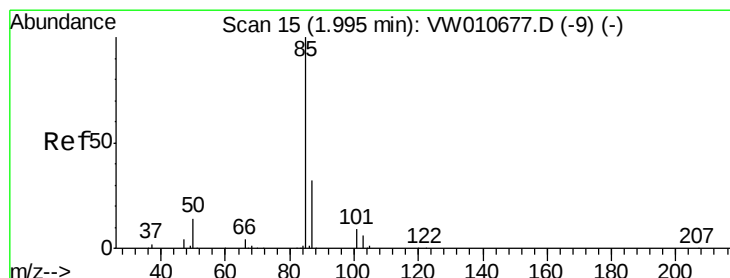
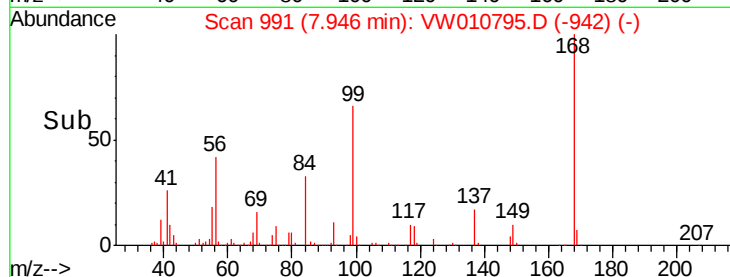
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.030 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW010795.D

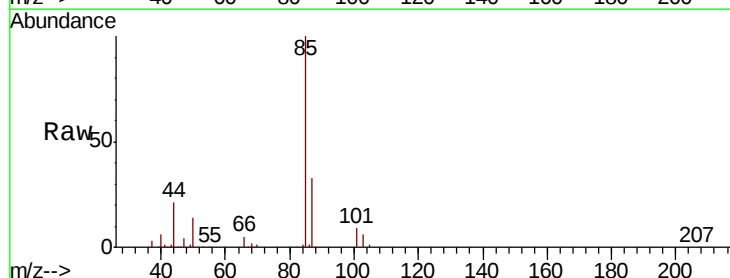
Acq: 13 Jun 2019 14:02

Tgt Ion: 85 Resp: 45227

Ion Ratio Lower Upper

85 100

87 33.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

30000

25000

20000

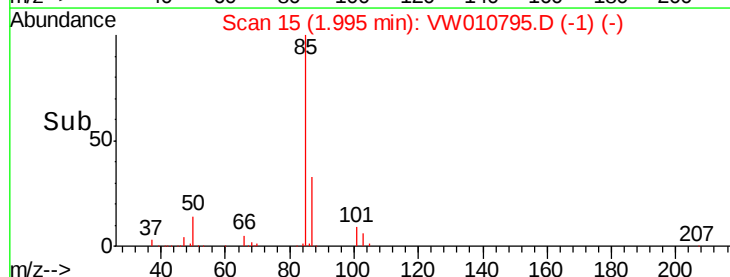
15000

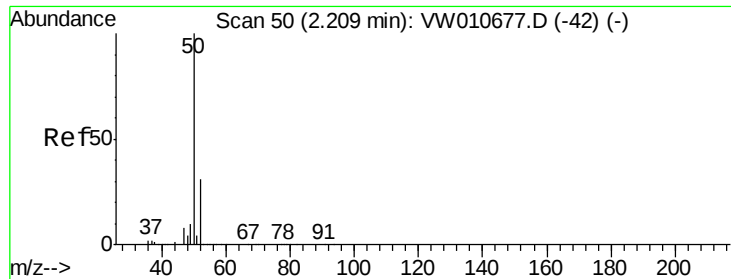
10000

5000

0

Time-->





#3

Chloromethane

Concen: 21.092 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW010795.D

Acq: 13 Jun 2019 14:02

Instrument :

MSVOA_W

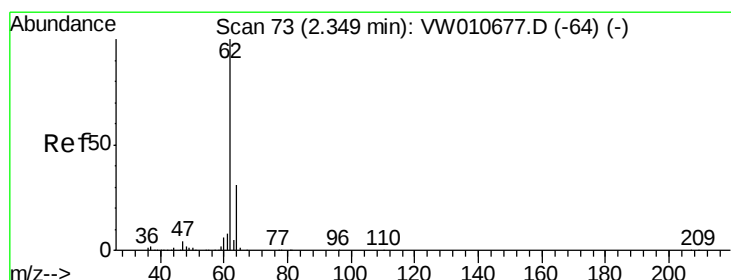
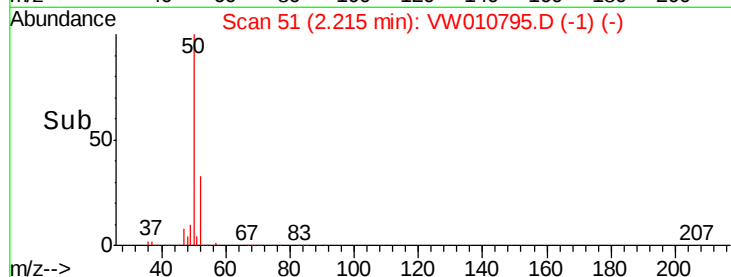
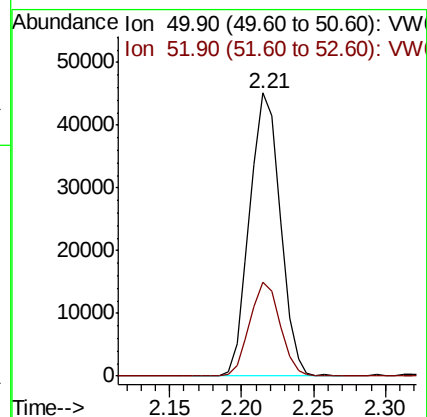
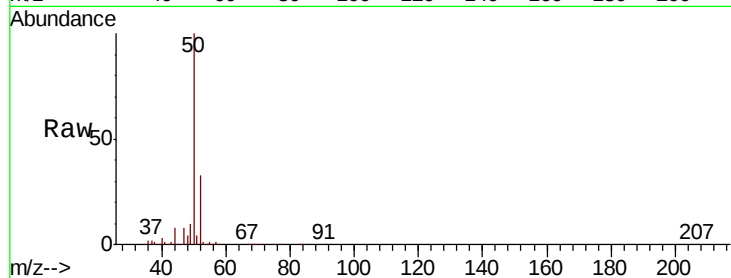
ClientSampled :

Tot Ion: 50 Resp: 66740

Ion Ratio Lower Upper

50 100

52 33.3 25.2 37.8



#4

Vinyl Chloride

Concen: 20.241 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VW010795.D

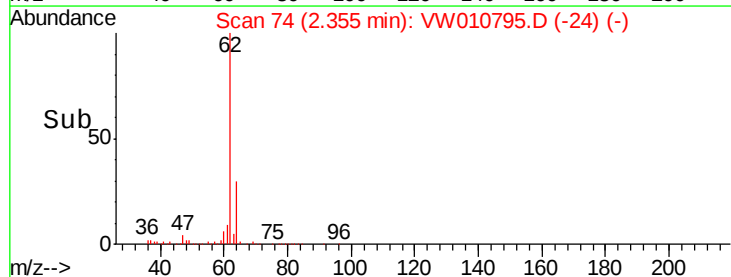
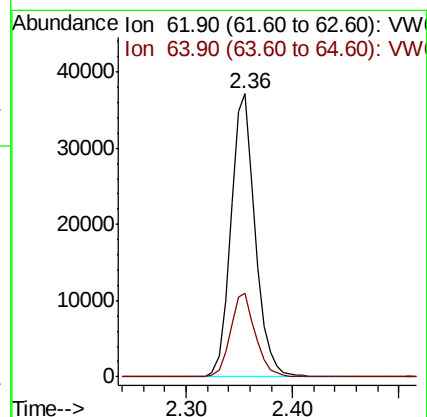
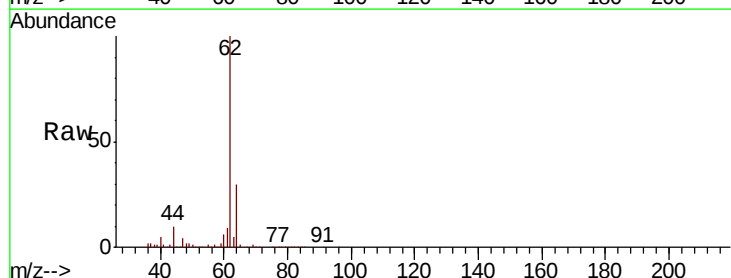
Acq: 13 Jun 2019 14:02

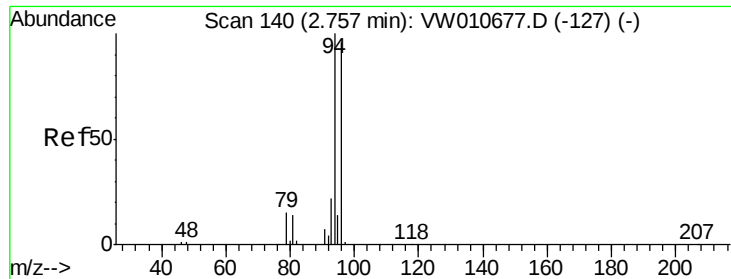
Tgt Ion: 62 Resp: 59172

Ion Ratio Lower Upper

62 100

64 29.8 24.5 36.7





#5

Bromomethane

Concen: 19.838 ug/l

RT: 2.74 min Scan# 137

Delta R.T. -0.02 min

Lab File: VW010795.D

Acq: 13 Jun 2019 14:02

Instrument :

MSVOA_W

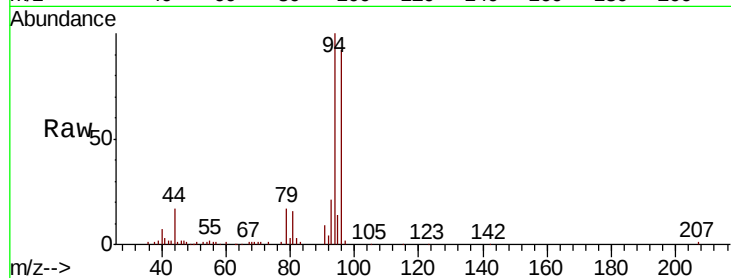
ClientSampleId :

Tot Ion: 94 Resp: 31847

Ion Ratio Lower Upper

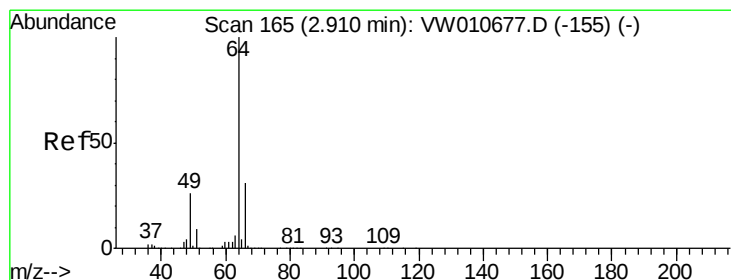
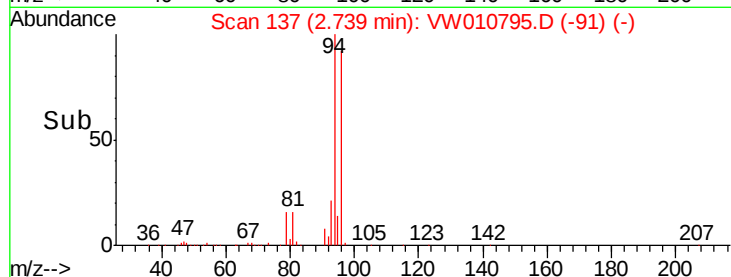
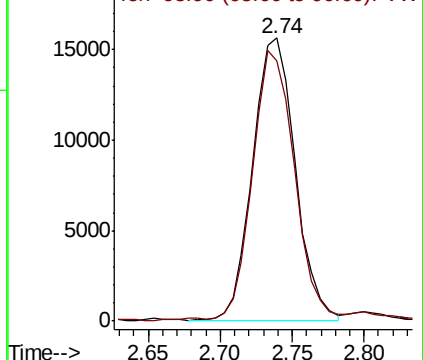
94 100

96 91.1 76.5 114.7



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 20.237 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.01 min

Lab File: VW010795.D

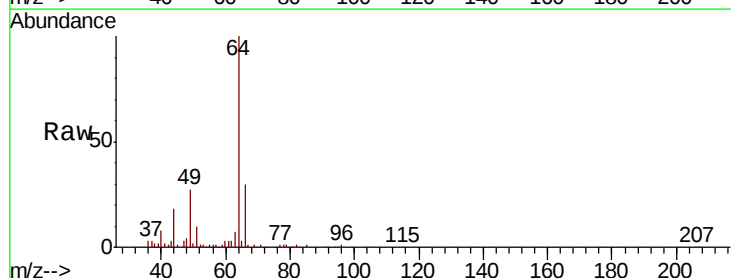
Acq: 13 Jun 2019 14:02

Tgt Ion: 64 Resp: 35512

Ion Ratio Lower Upper

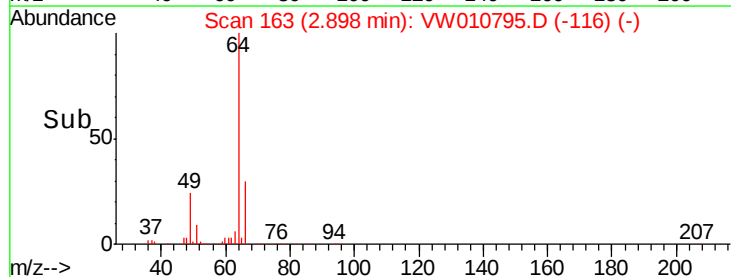
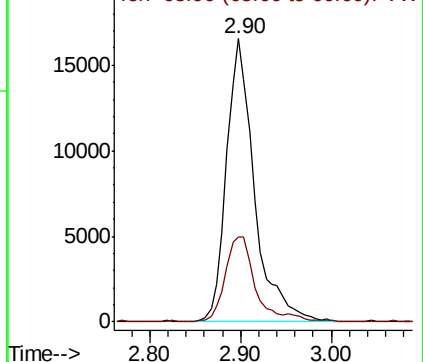
64 100

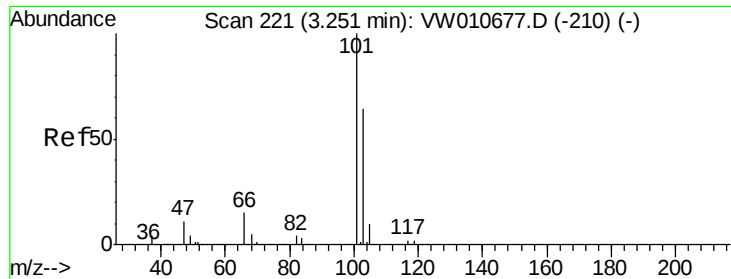
66 29.9 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



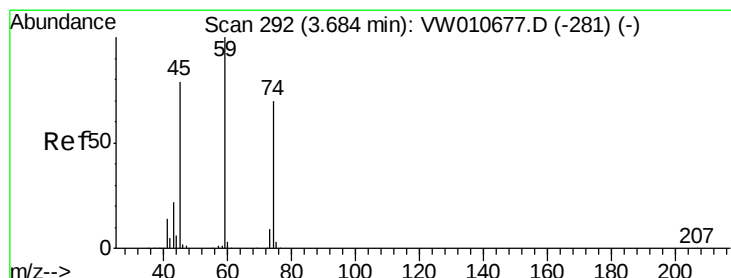
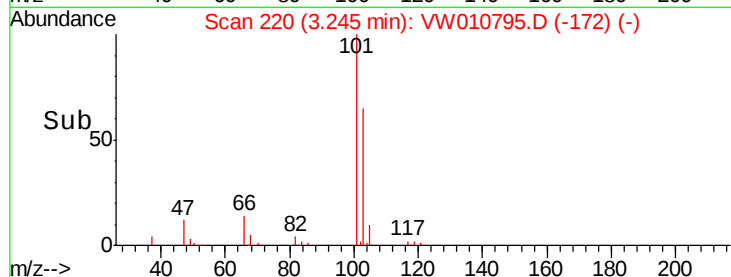
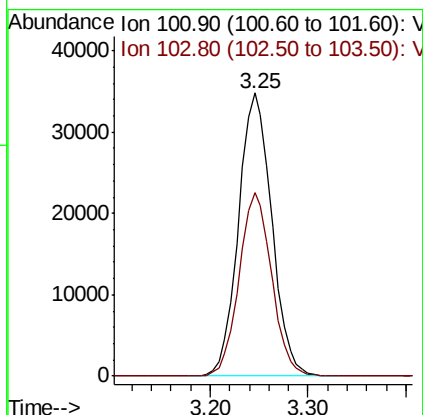
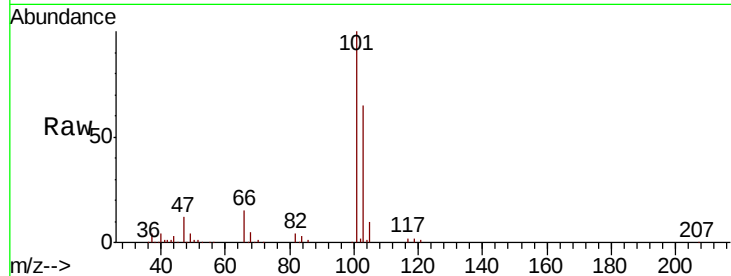


#7

Trichlorofluoromethane
 Concen: 21.564 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW010795.D
 Acq: 13 Jun 2019 14:02

Instrument :
 MSVOA_W
 ClientSampleId :

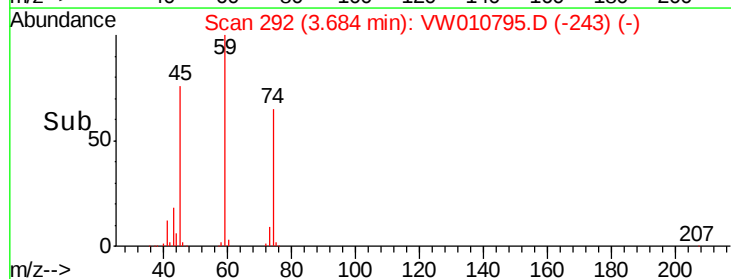
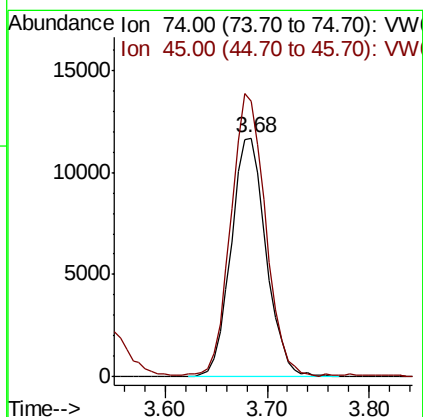
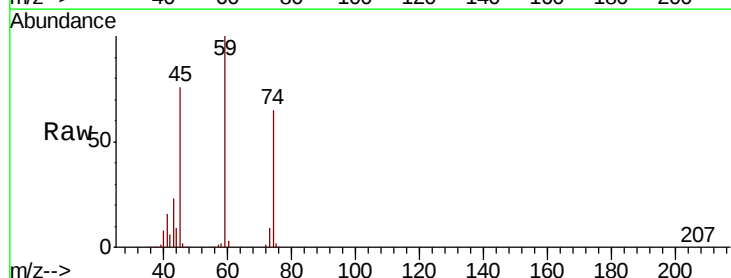
Tot Ion:101 Resp: 81834
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.2 76.8

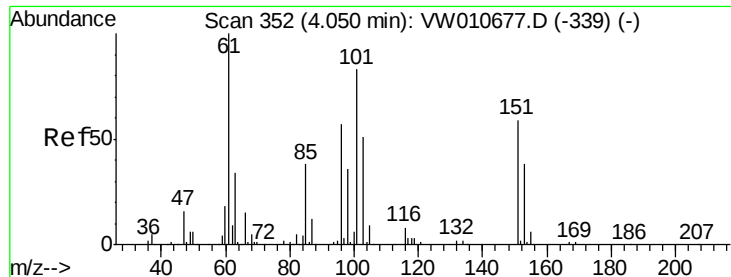


#8

Diethyl Ether
 Concen: 20.433 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW010795.D
 Acq: 13 Jun 2019 14:02

Tgt Ion: 74 Resp: 27711
 Ion Ratio Lower Upper
 74 100
 45 118.1 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.220 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010795.D

Acq: 13 Jun 2019 14:02

Instrument :

MSVOA_W

ClientSampleId :

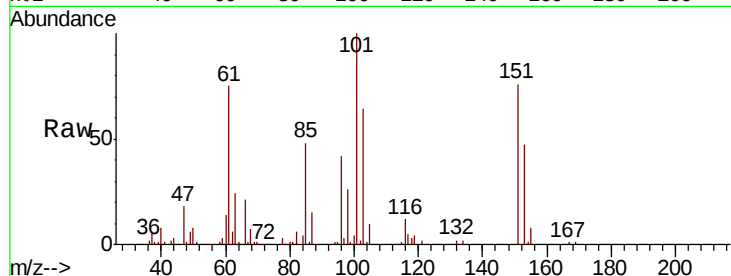
Tot Ion:101 Resp: 49509

Ion Ratio Lower Upper

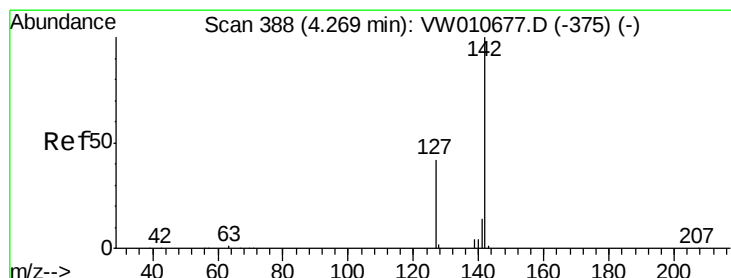
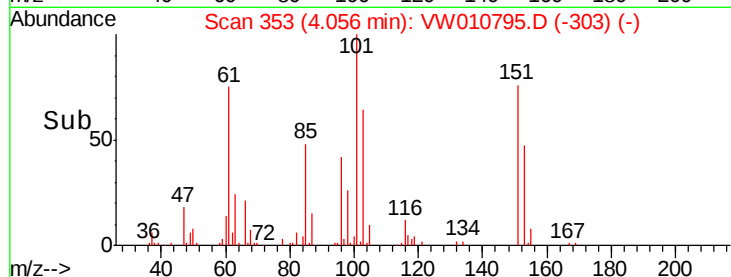
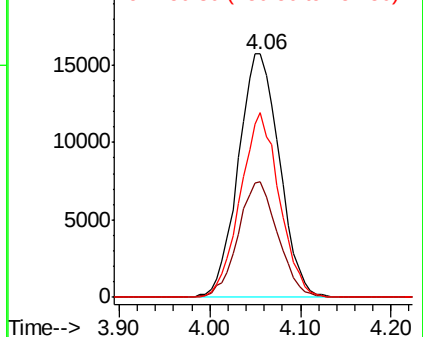
101 100

85 45.7 35.8 53.8

151 72.1 58.1 87.1



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.151 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW010795.D

Acq: 13 Jun 2019 14:02

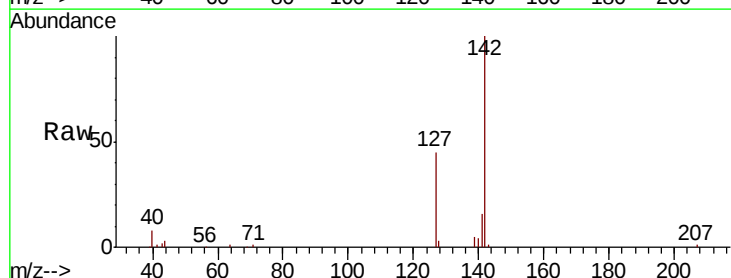
Tgt Ion:142 Resp: 38157

Ion Ratio Lower Upper

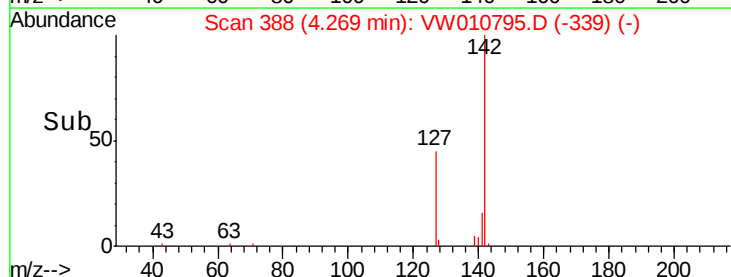
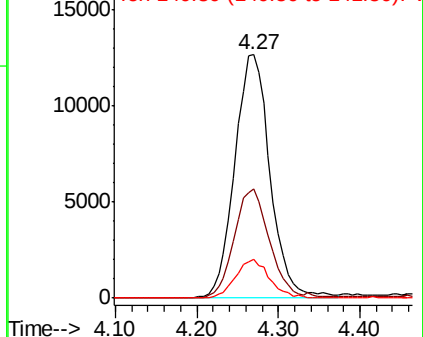
142 100

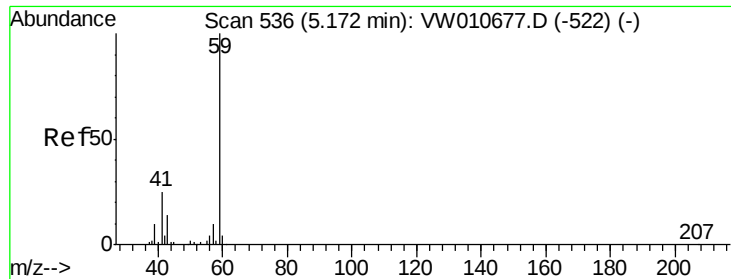
127 44.2 34.6 51.8

141 15.1 11.6 17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



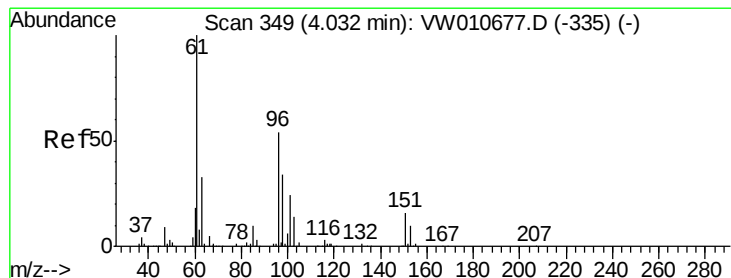
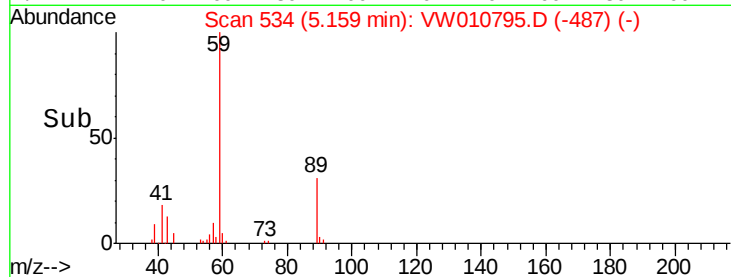
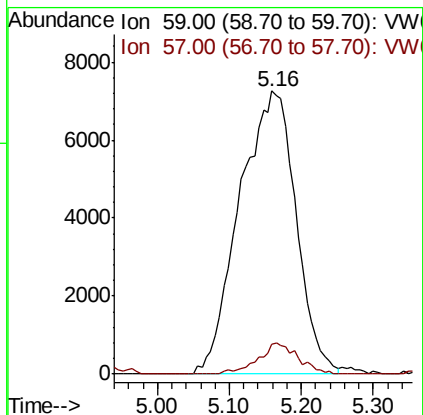
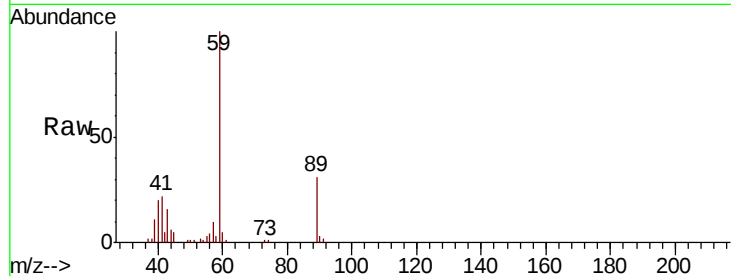


#11

Tert butyl alcohol
 Concen: 176.307 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VW010795.D
 Acq: 13 Jun 2019 14:02

Instrument :
 MSVOA_W
 ClientSampleId :

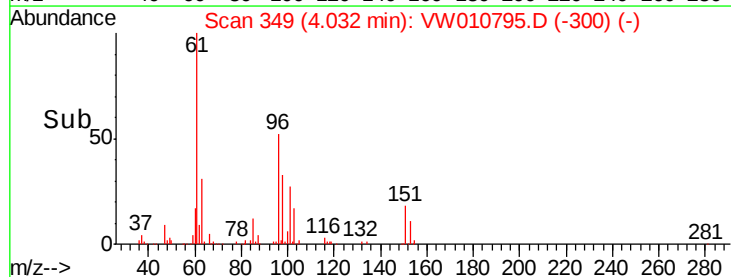
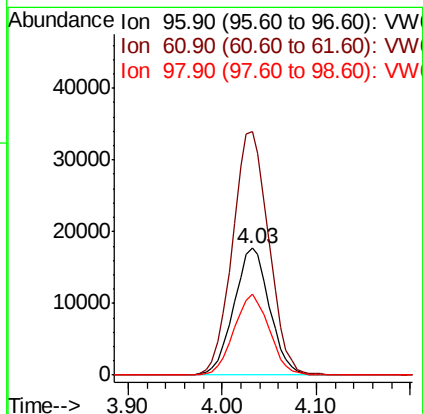
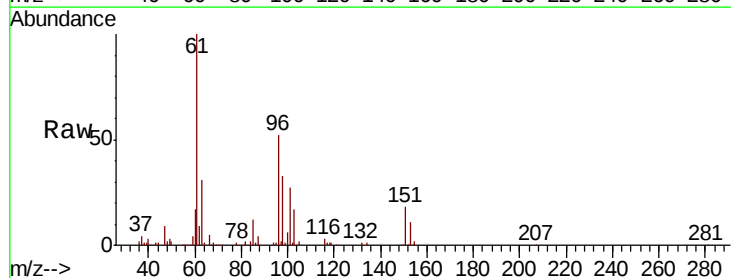
Tot Ion: 59 Resp: 39400
 Ion Ratio Lower Upper
 59 100
 57 7.8 8.6 12.8#

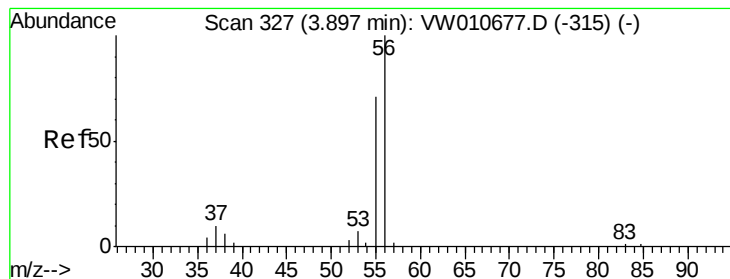


#12

1,1-Dichloroethene
 Concen: 20.661 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. 0.00 min
 Lab File: VW010795.D
 Acq: 13 Jun 2019 14:02

Tgt Ion: 96 Resp: 46501
 Ion Ratio Lower Upper
 96 100
 61 191.6 149.1 223.7
 98 63.6 51.1 76.7





#13

Acrolein

Concen: 70.511 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.00 min

Lab File: VW010795.D

Acq: 13 Jun 2019 14:02

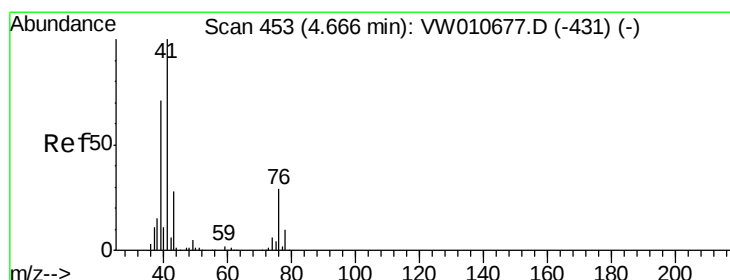
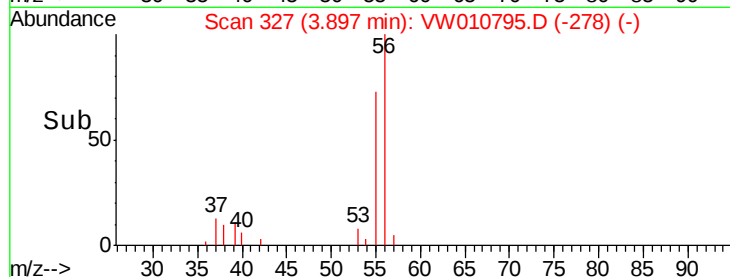
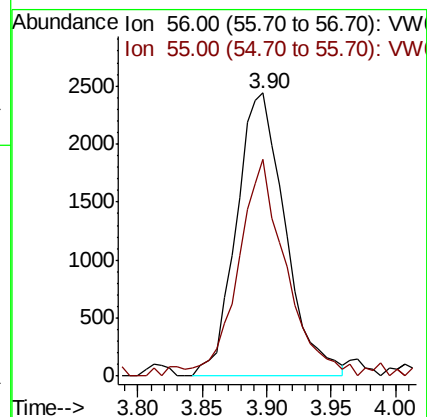
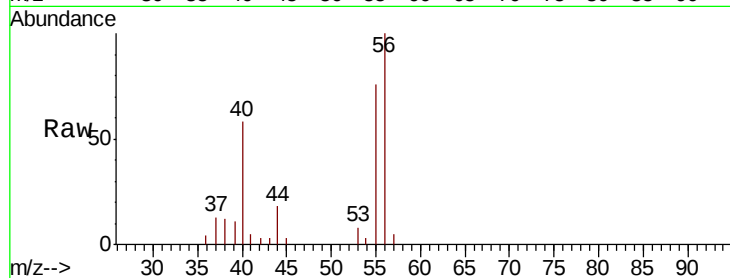
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 6439

Ion Ratio Lower Upper

56 100

55 74.1 57.6 86.4



#14

Allyl chloride

Concen: 21.467 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW010795.D

Acq: 13 Jun 2019 14:02

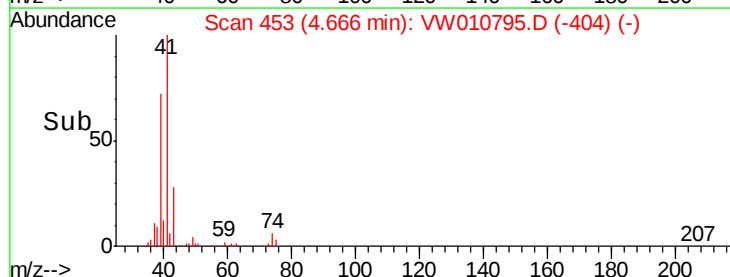
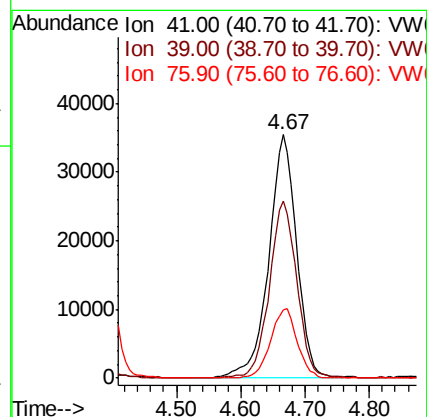
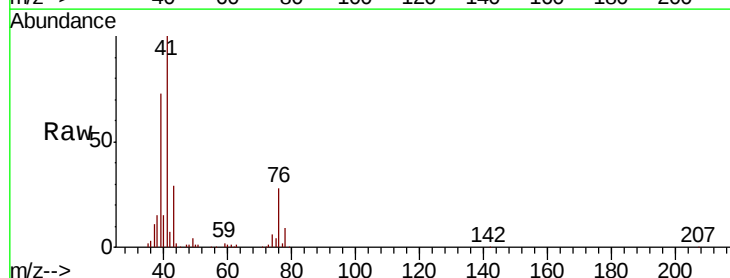
Tgt Ion: 41 Resp: 106529

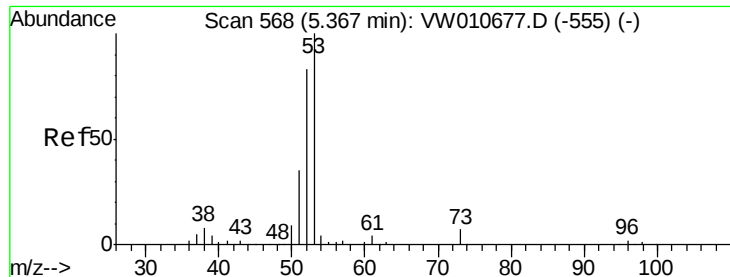
Ion Ratio Lower Upper

41 100

39 71.6 55.8 83.6

76 27.6 22.7 34.1





#15

Acrylonitrile

Concen: 103.174 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW010795.D

Acq: 13 Jun 2019 14:02

Instrument :

MSVOA_W

ClientSampled :

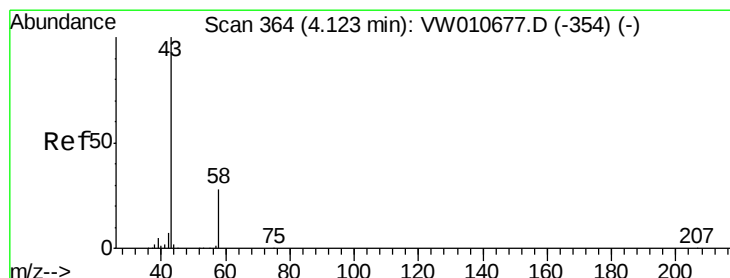
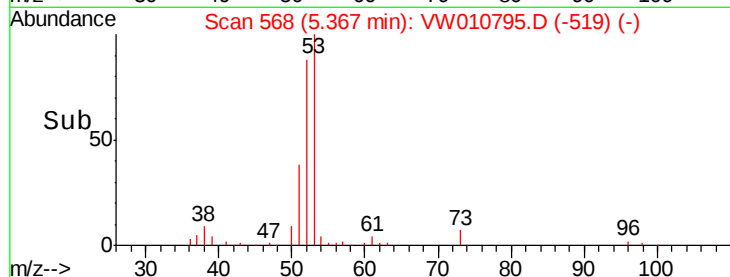
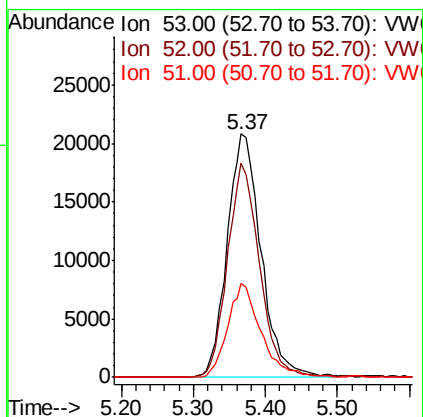
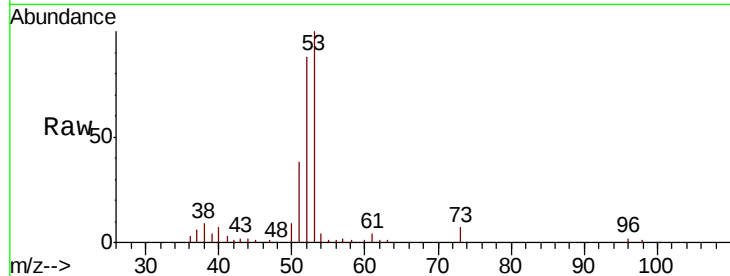
Tot Ion: 53 Resp: 67976

Ion Ratio Lower Upper

53 100

52 83.5 66.6 100.0

51 38.0 29.8 44.8



#16

Acetone

Concen: 107.672 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW010795.D

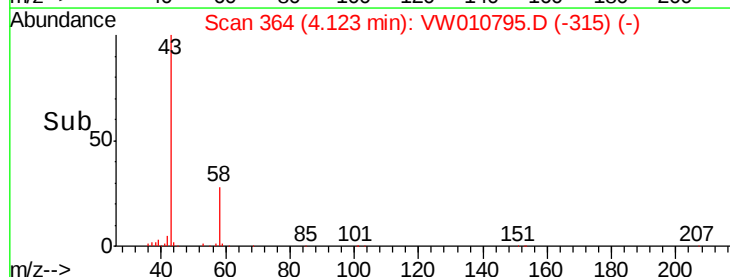
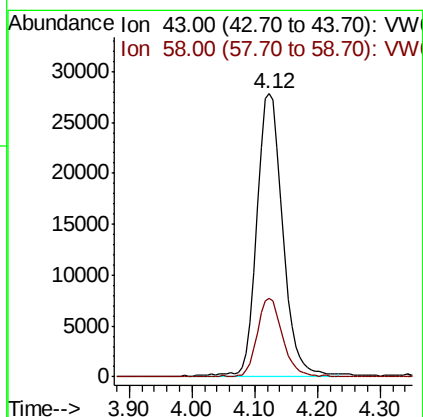
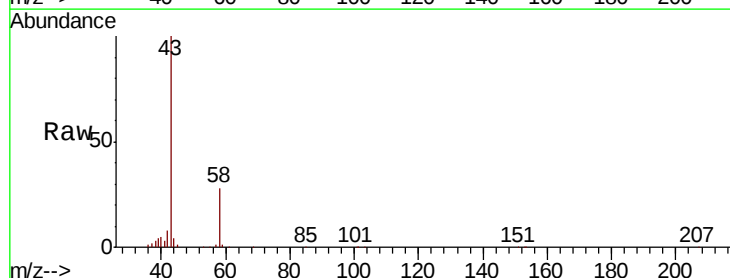
Acq: 13 Jun 2019 14:02

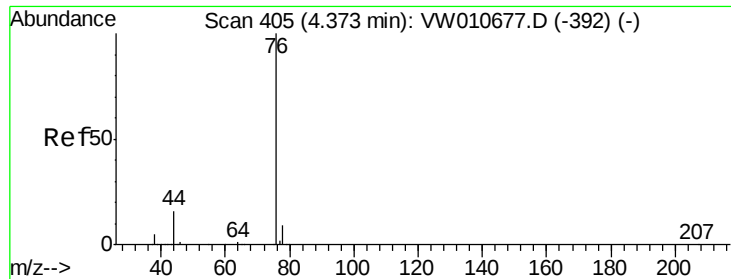
Tgt Ion: 43 Resp: 79140

Ion Ratio Lower Upper

43 100

58 27.9 22.1 33.1





#17

Carbon Disulfide

Concen: 19.363 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW010795.D

Acq: 13 Jun 2019 14:02

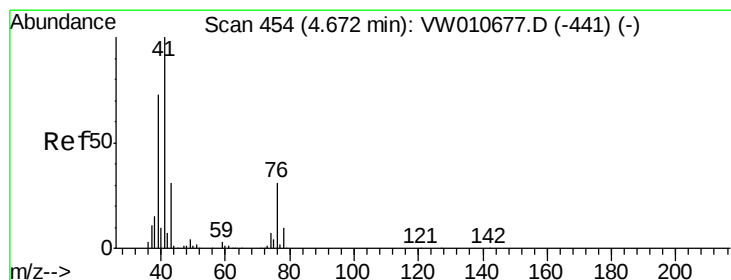
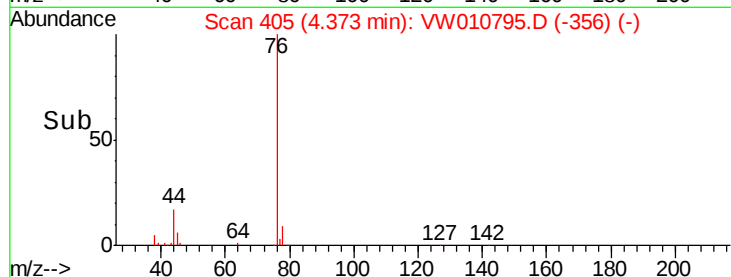
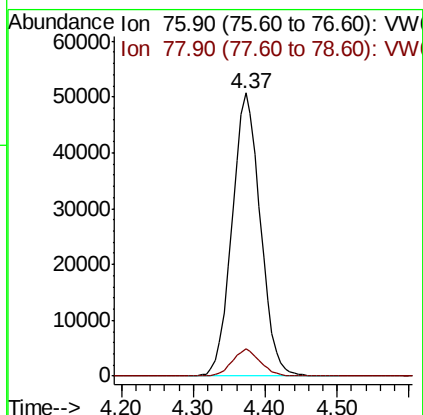
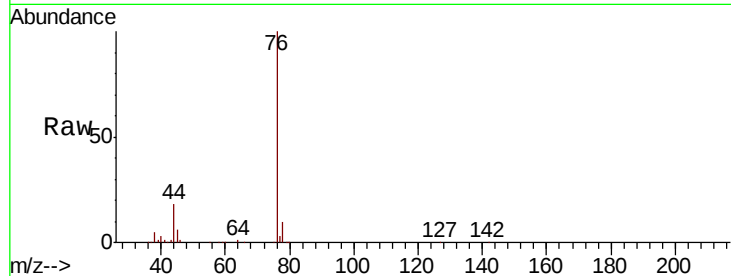
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 76 Resp: 138336

Ion Ratio Lower Upper

76 100

78 9.5 7.5 11.3



#18

Methyl Acetate

Concen: 20.889 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW010795.D

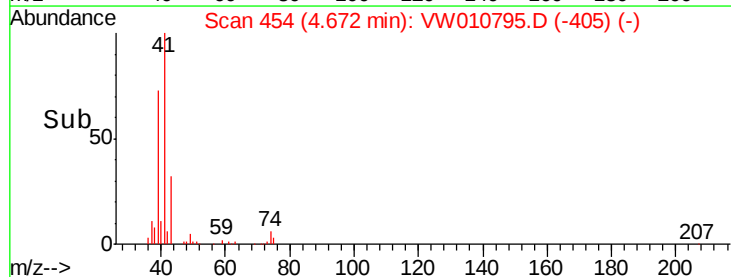
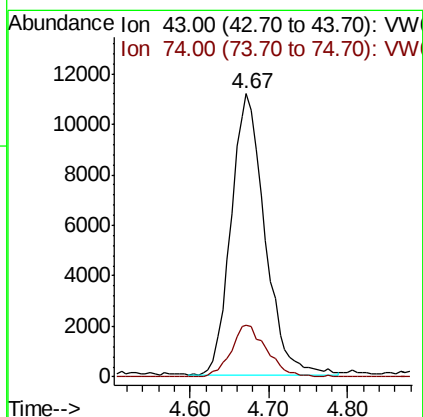
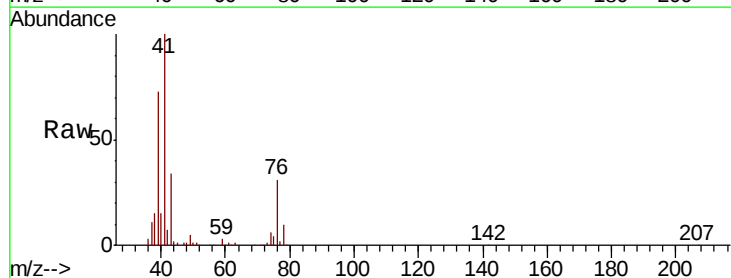
Acq: 13 Jun 2019 14:02

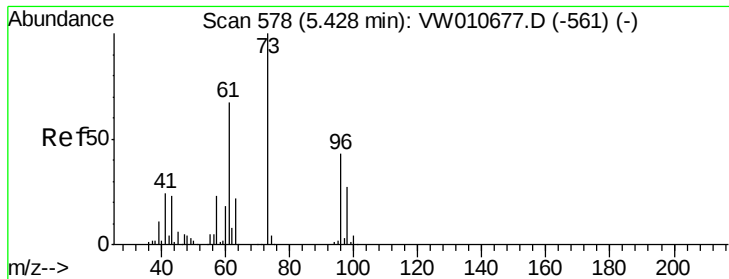
Tgt Ion: 43 Resp: 33050

Ion Ratio Lower Upper

43 100

74 19.3 16.7 25.1

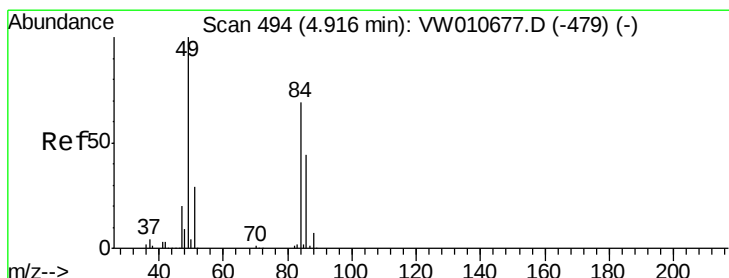
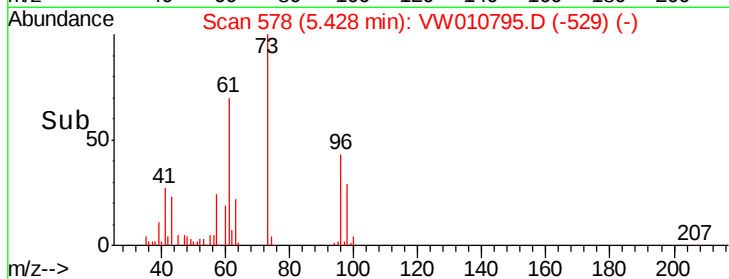
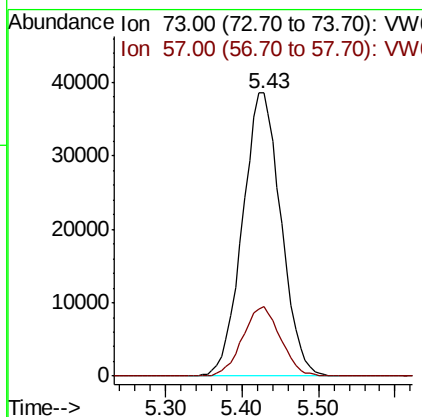
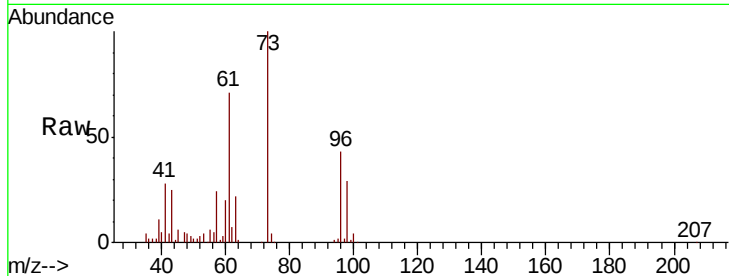




#19
Methyl tert-butyl Ether
Concen: 20.716 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW010795.D
Acq: 13 Jun 2019 14:02

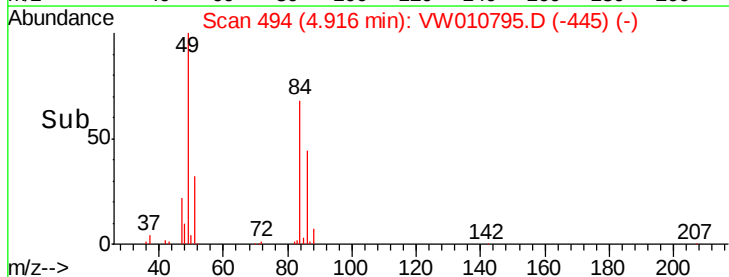
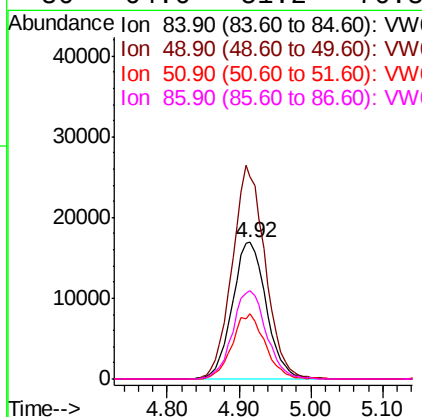
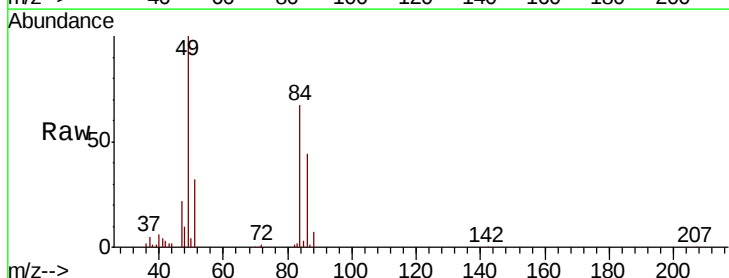
Instrument :
MSVOA_W
ClientSampled :

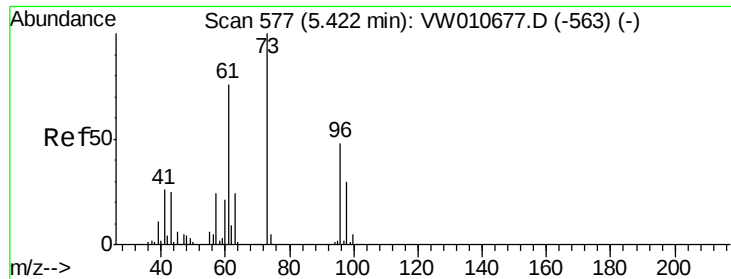
Tot Ion: 73 Resp: 134473
Ion Ratio Lower Upper
73 100
57 24.4 18.6 27.8



#20
Methylene Chloride
Concen: 21.487 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010795.D
Acq: 13 Jun 2019 14:02

Tgt Ion: 84 Resp: 55404
Ion Ratio Lower Upper
84 100
49 148.2 116.7 175.1
51 47.6 34.2 51.2
86 64.6 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 20.690 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW010795.D

Acq: 13 Jun 2019 14:02

Instrument :

MSVOA_W

ClientSampleId :

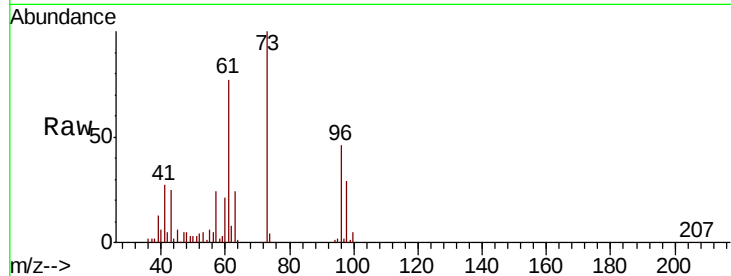
Tot Ion: 96 Resp: 52862

Ion Ratio Lower Upper

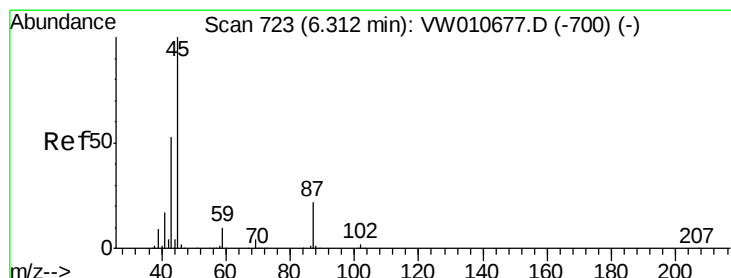
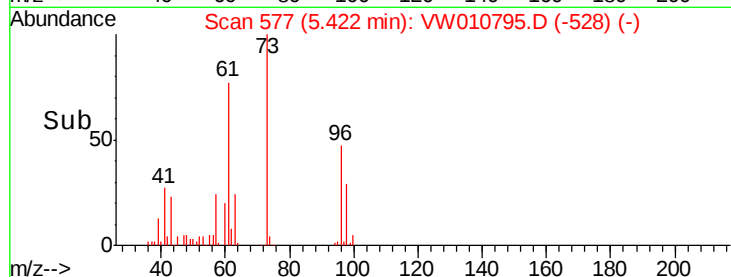
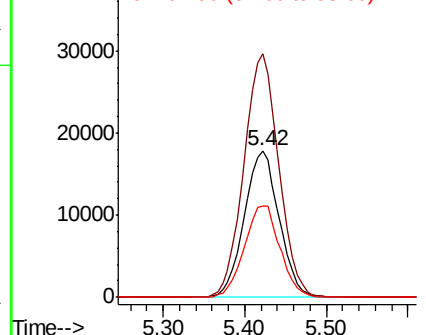
96 100

61 166.4 126.0 189.0

98 62.7 49.6 74.4



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: 22.106 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW010795.D

Acq: 13 Jun 2019 14:02

Tgt Ion: 45 Resp: 219626

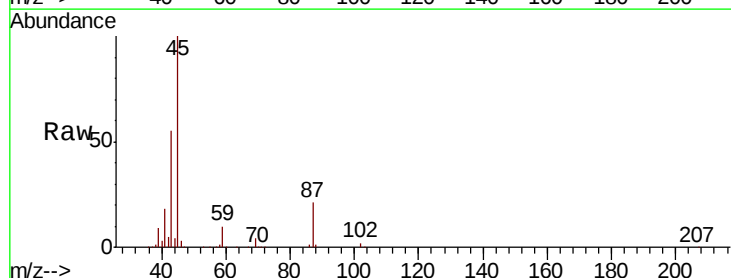
Ion Ratio Lower Upper

45 100

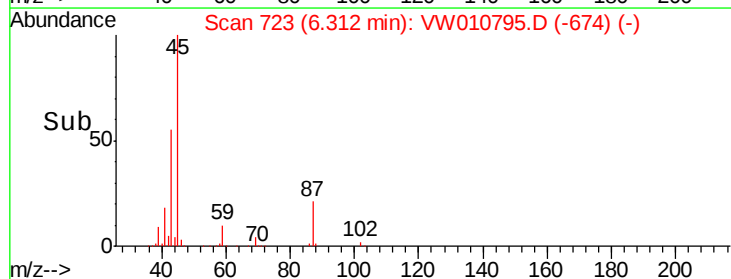
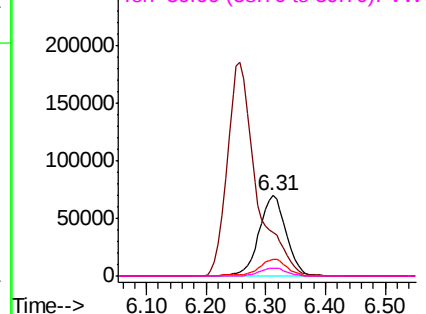
43 54.7 42.5 63.7

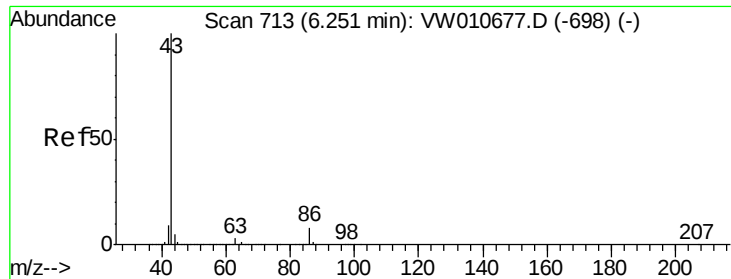
87 20.9 17.4 26.2

59 9.6 8.1 12.1



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: 104.509 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW010795.D

Acq: 13 Jun 2019 14:02

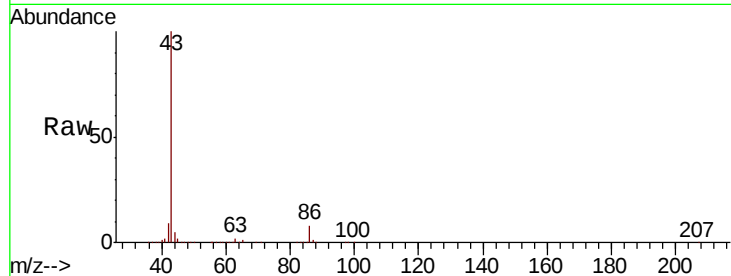
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 626614

Ion Ratio Lower Upper

43 100

86 8.1 6.6 10.0



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 86.00 (85.70 to 86.70): VW

6.26

200000

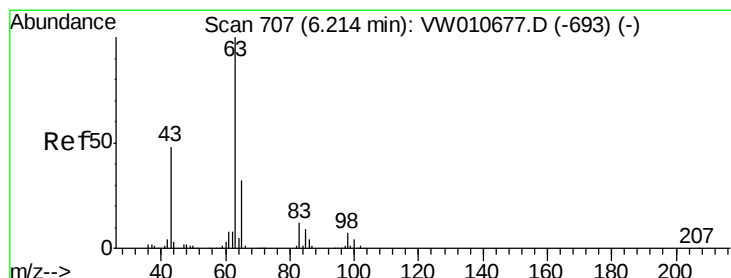
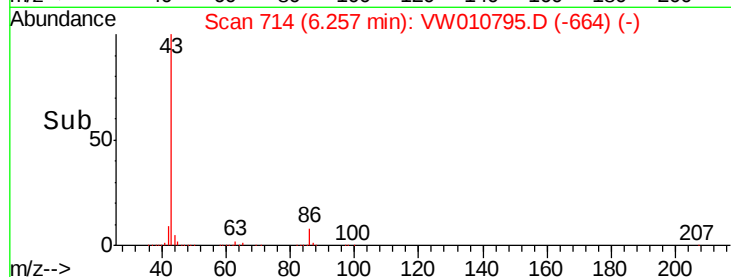
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.630 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW010795.D

Acq: 13 Jun 2019 14:02

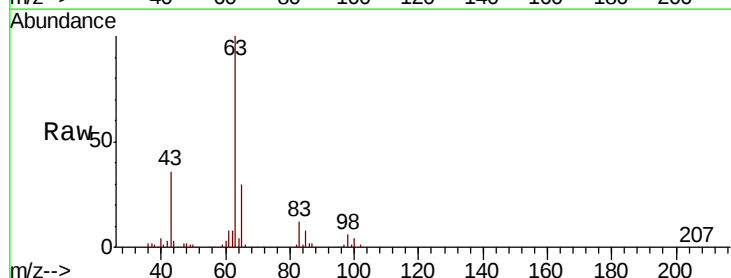
Tgt Ion: 63 Resp: 107691

Ion Ratio Lower Upper

63 100

98 5.7 3.4 10.2

100 4.2 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

40000

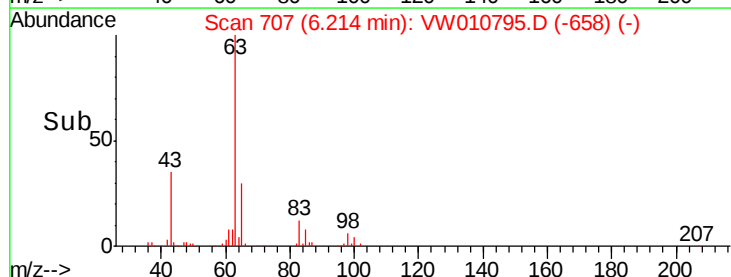
30000

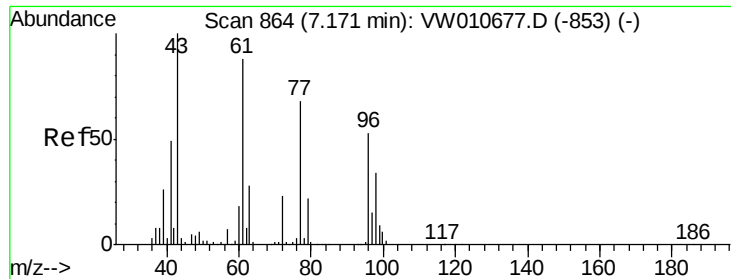
20000

10000

0

Time-->





#25

2-Butanone

Concen: 108.554 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010795.D

Acq: 13 Jun 2019 14:02

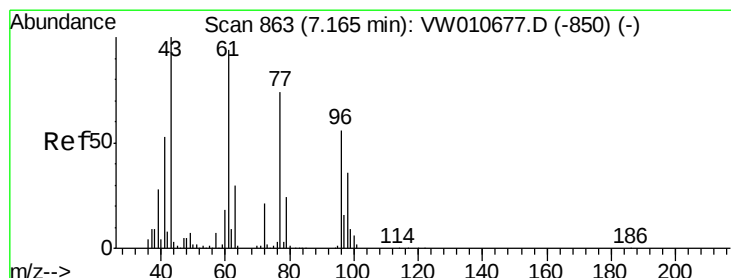
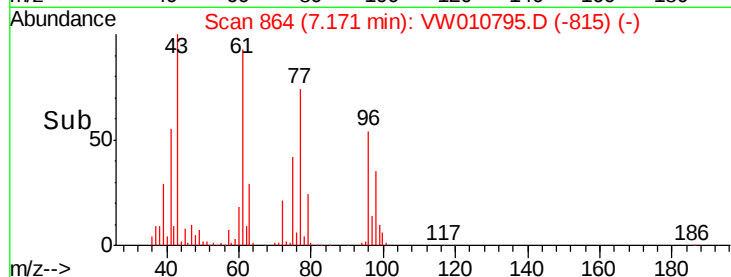
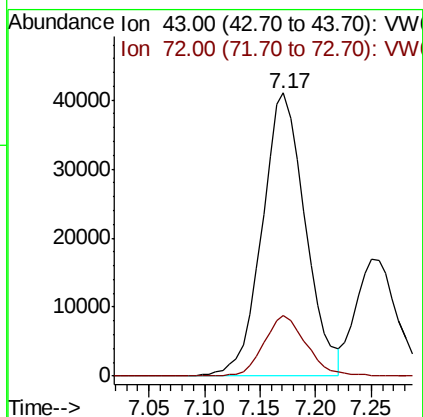
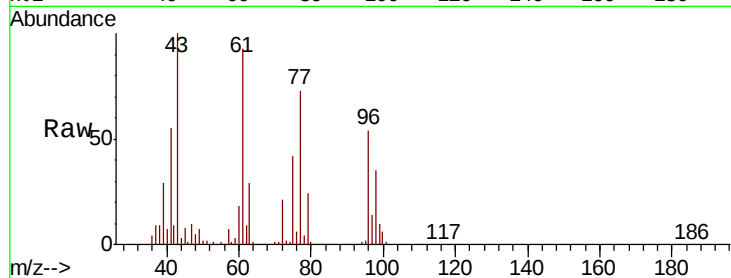
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 110637

Ion Ratio Lower Upper

43 100

72 21.4 18.1 27.1



#26

2,2-Dichloropropane

Concen: 23.853 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW010795.D

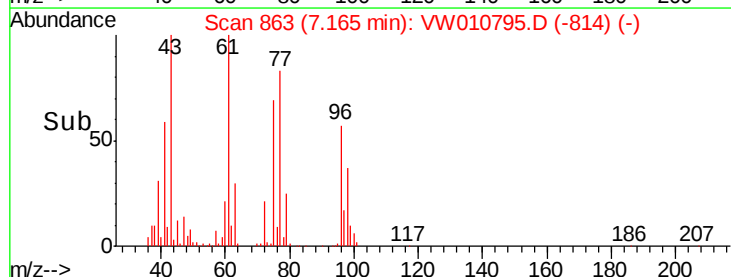
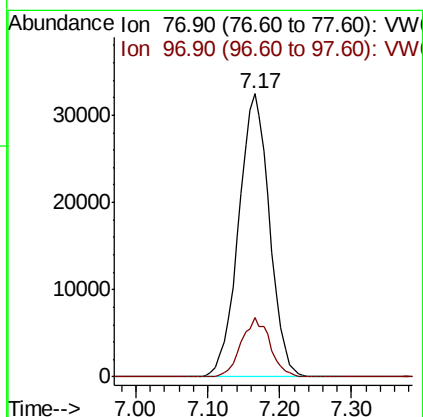
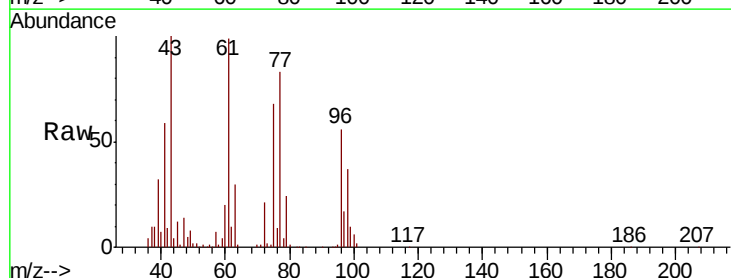
Acq: 13 Jun 2019 14:02

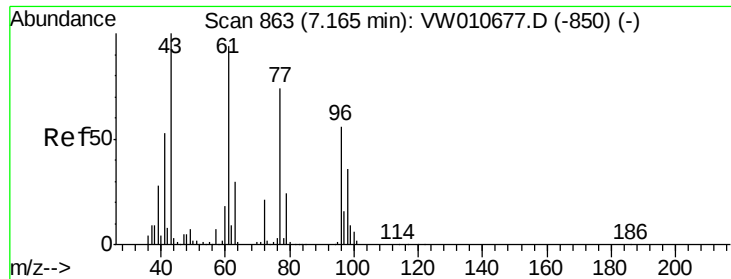
Tgt Ion: 77 Resp: 96642

Ion Ratio Lower Upper

77 100

97 19.4 10.5 31.6



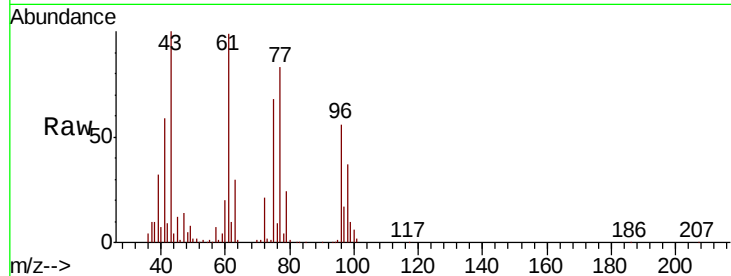


#27

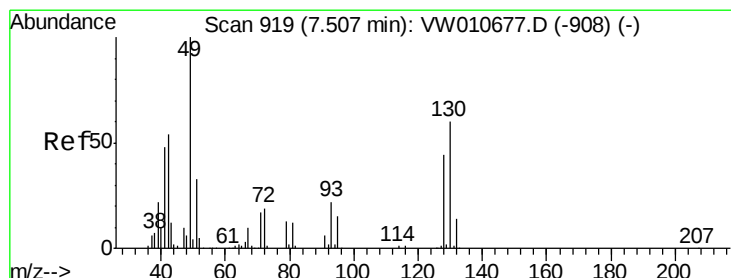
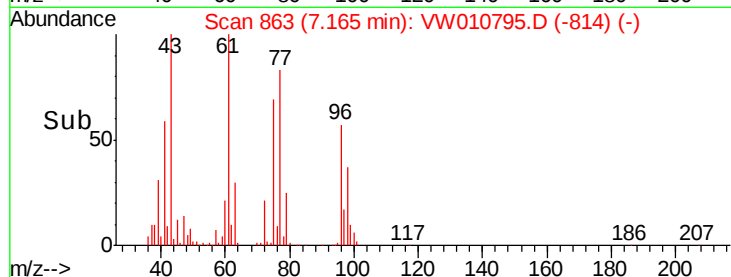
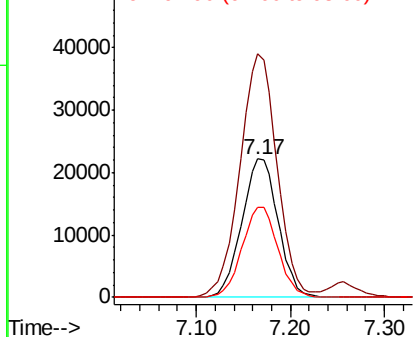
cis-1,2-Dichloroethene
Concen: 21.258 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW010795.D
Acq: 13 Jun 2019 14:02

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 59771
Ion Ratio Lower Upper
96 100
61 179.4 0.0 336.4
98 64.1 0.0 128.0



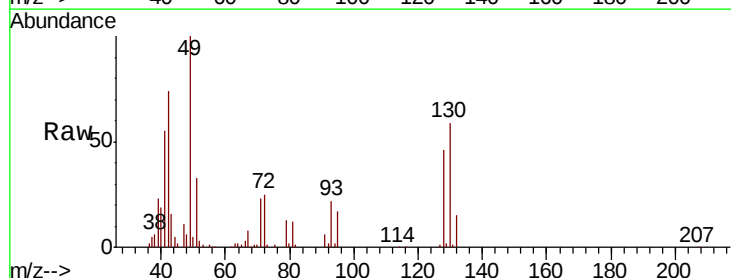
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



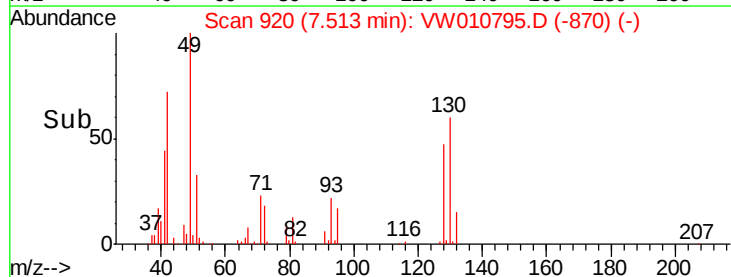
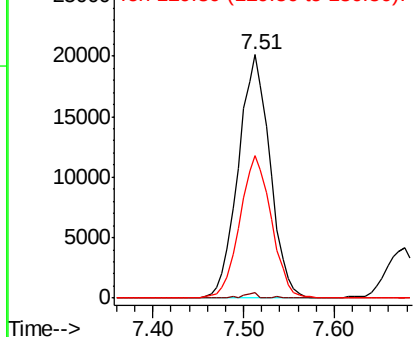
#28

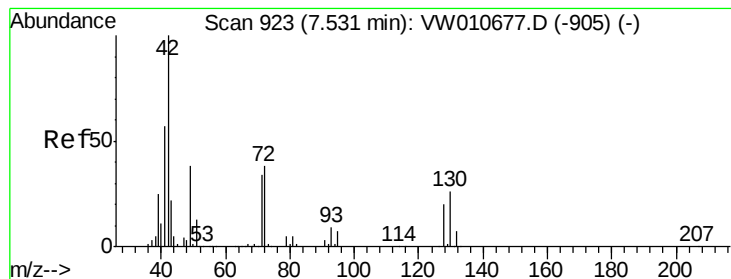
Bromochloromethane
Concen: 21.953 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW010795.D
Acq: 13 Jun 2019 14:02

Tgt Ion: 49 Resp: 48779
Ion Ratio Lower Upper
49 100
129 0.9 0.0 3.2
130 58.2 48.3 72.5



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





#29

Tetrahydrofuran

Concen: 102.952 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

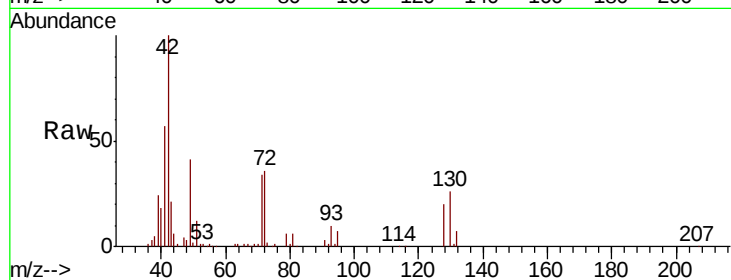
Lab File: VW010795.D

Acq: 13 Jun 2019 14:02

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 42 Resp: 65999

Ion	Ratio	Lower	Upper
42	100		
72	35.1	28.7	43.1
71	32.4	26.6	39.8

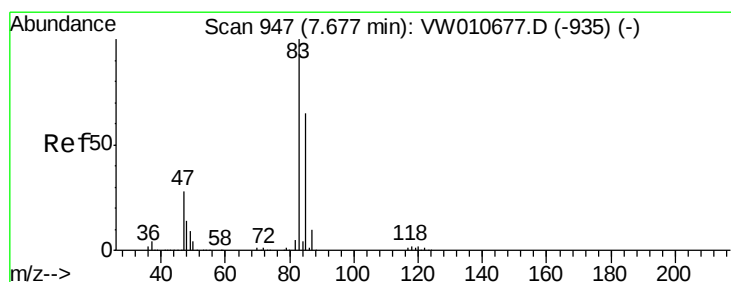
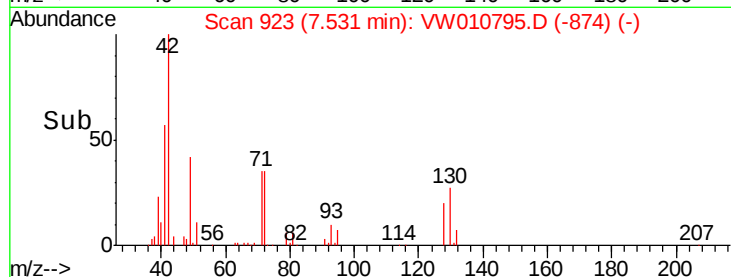
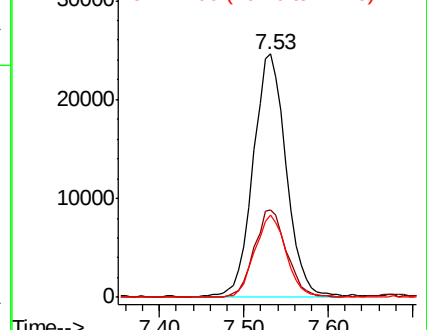


Abundance

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: 21.330 ug/l

RT: 7.68 min Scan# 947

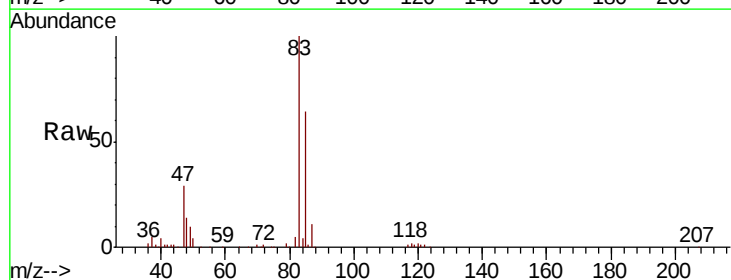
Delta R.T. 0.00 min

Lab File: VW010795.D

Acq: 13 Jun 2019 14:02

Tgt Ion: 83 Resp: 97138

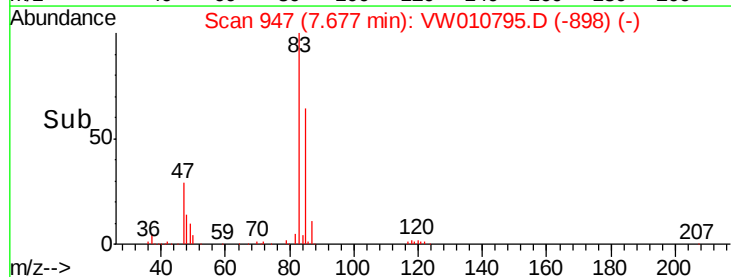
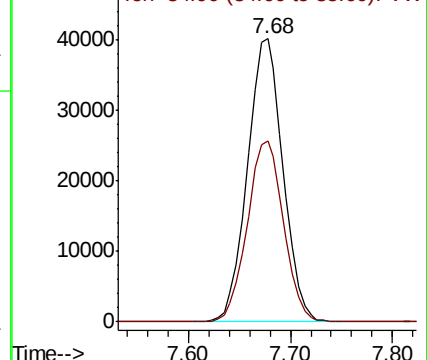
Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.8	77.8

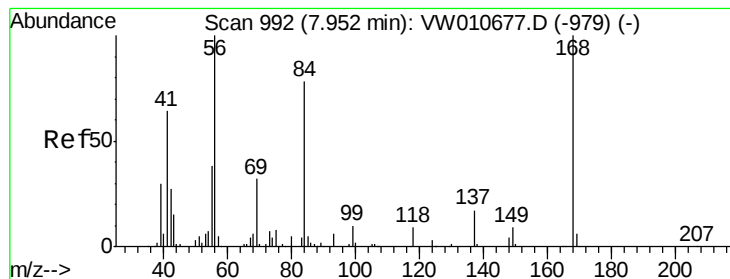


Abundance

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 20.867 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010795.D

Acq: 13 Jun 2019 14:02

Instrument :

MSVOA_W

ClientSampled :

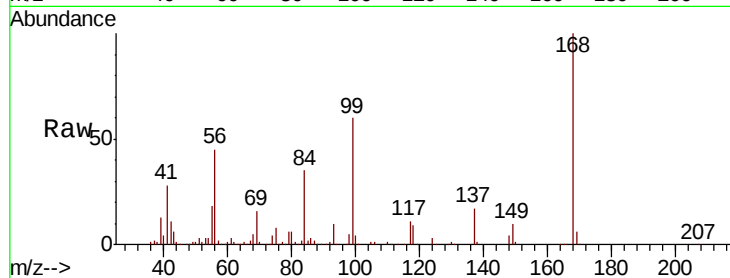
Tot Ion: 56 Resp: 115494

Ion Ratio Lower Upper

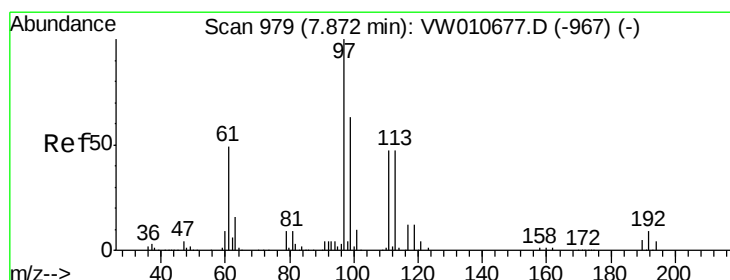
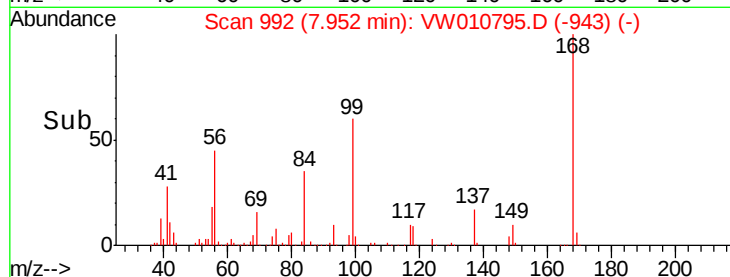
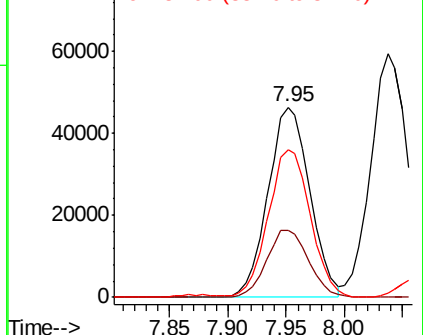
56 100

69 34.9 25.2 37.8

84 76.2 62.2 93.2



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: 21.566 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW010795.D

Acq: 13 Jun 2019 14:02

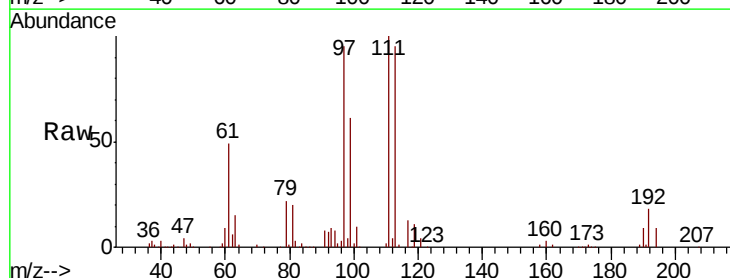
Tgt Ion: 97 Resp: 85793

Ion Ratio Lower Upper

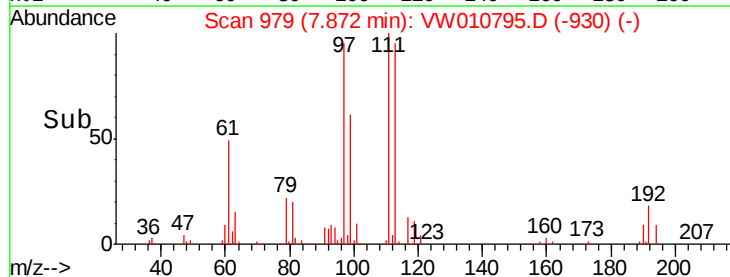
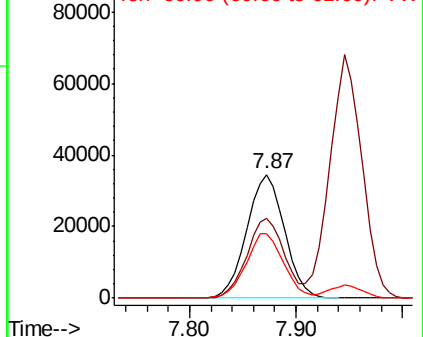
97 100

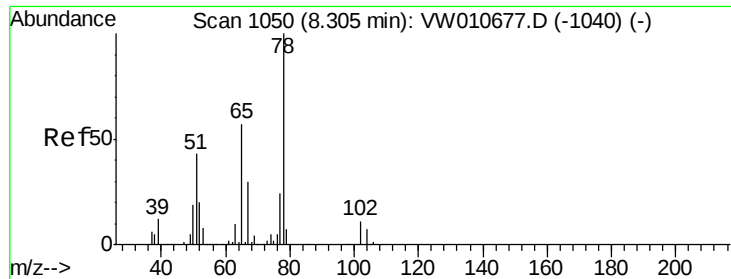
99 63.3 51.3 76.9

61 51.9 40.4 60.6



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

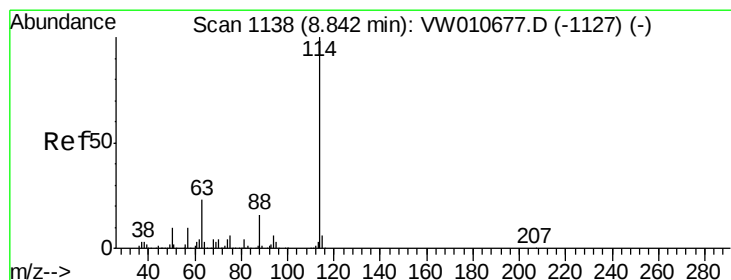
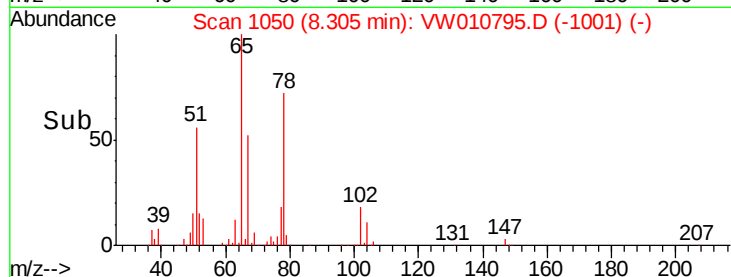
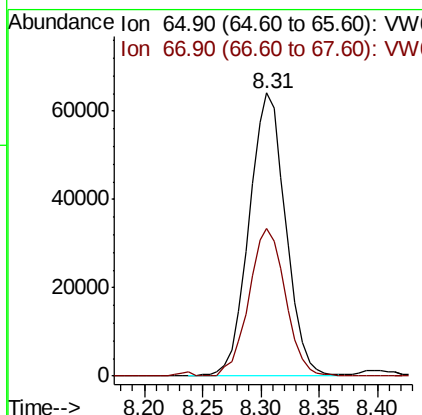
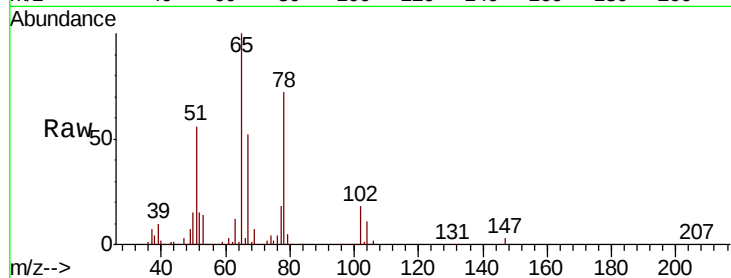




#33
 1,2-Dichloroethane-d4
 Concen: 51.193 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010795.D
 Acq: 13 Jun 2019 14:02

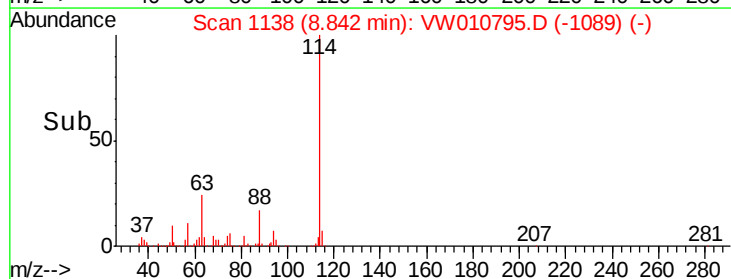
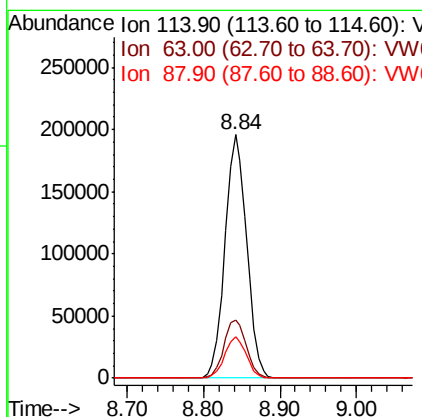
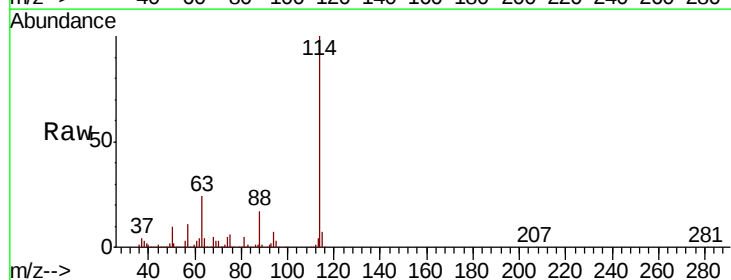
Instrument :
 MSVOA_W
 ClientSampleId :

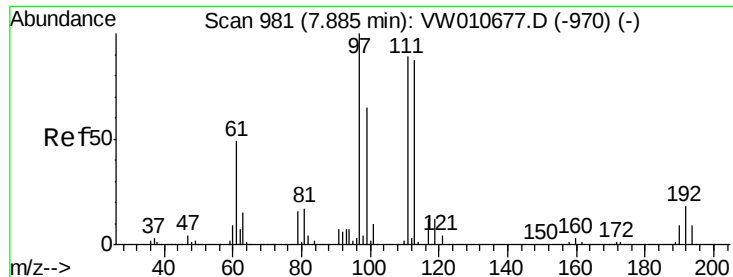
Tot Ion: 65 Resp: 140426
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010795.D
 Acq: 13 Jun 2019 14:02

Tgt Ion: 114 Resp: 382859
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 46.4
 88 17.2 0.0 32.2

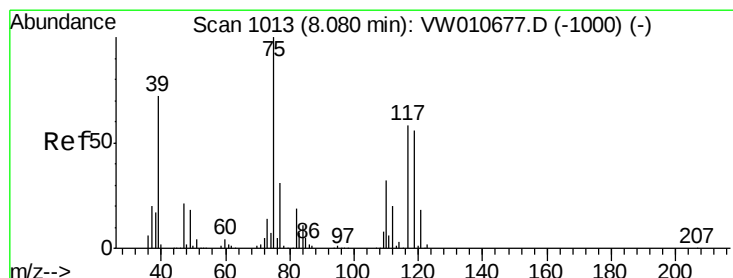
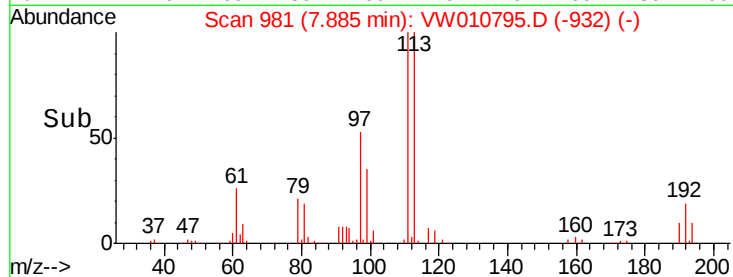
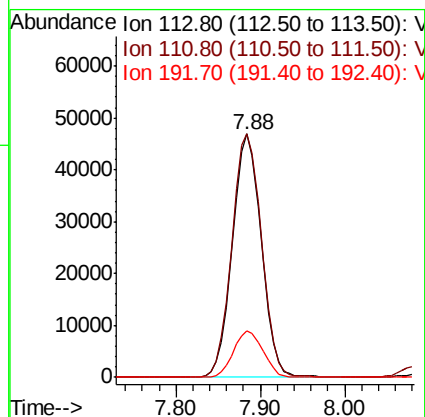
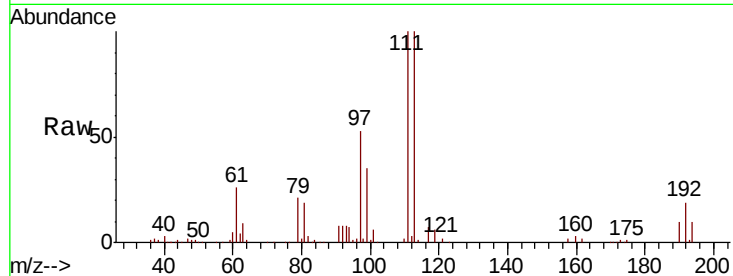




#35
 Dibromofluoromethane
 Concen: 52.275 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW010795.D
 Acq: 13 Jun 2019 14:02

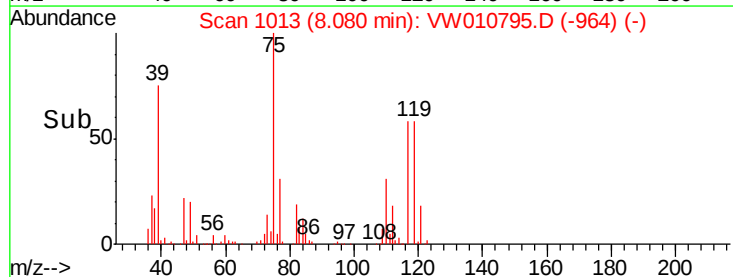
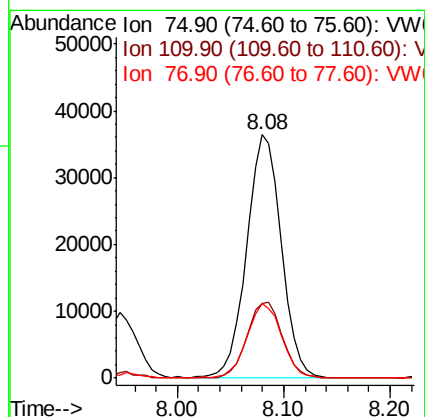
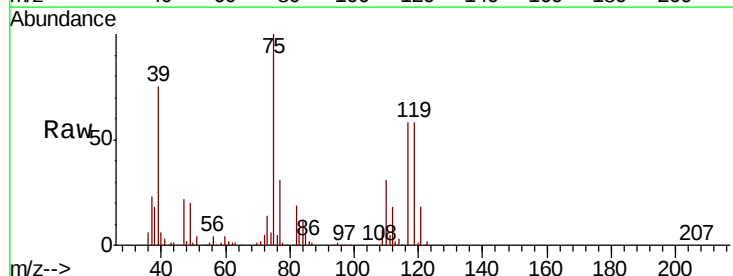
Instrument :
 MSVOA_W
 ClientSampleId :

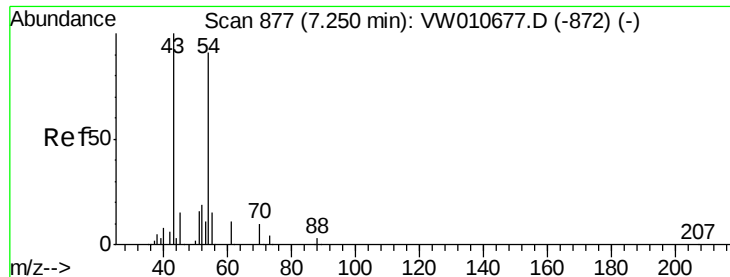
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.6	123.8
192	19.6	16.4	24.6



#36
 1,1-Dichloropropene
 Concen: 21.189 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW010795.D
 Acq: 13 Jun 2019 14:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.9	15.8	47.3
77	31.0	24.7	37.1

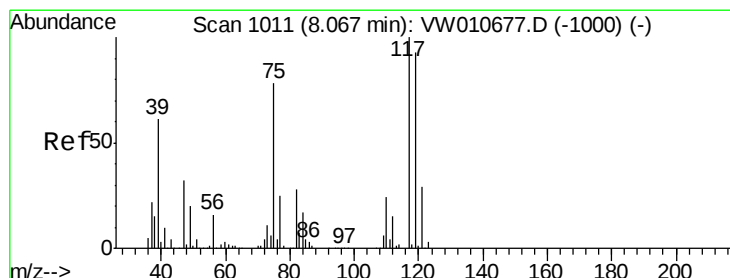
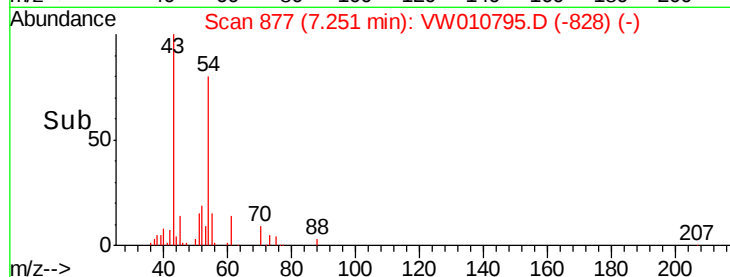
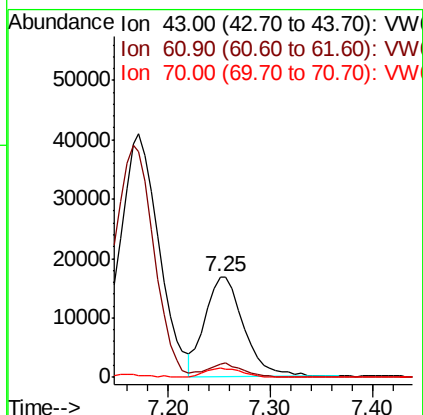
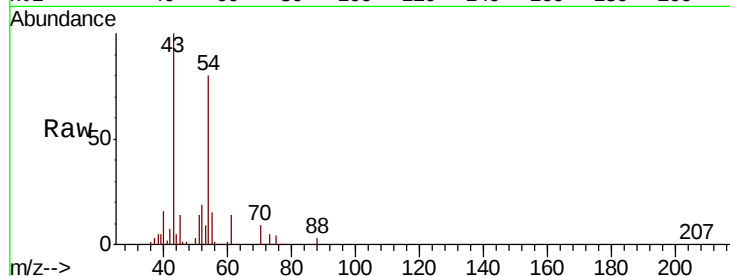




#37
Ethyl Acetate
Concen: 20.326 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW010795.D
Acq: 13 Jun 2019 14:02

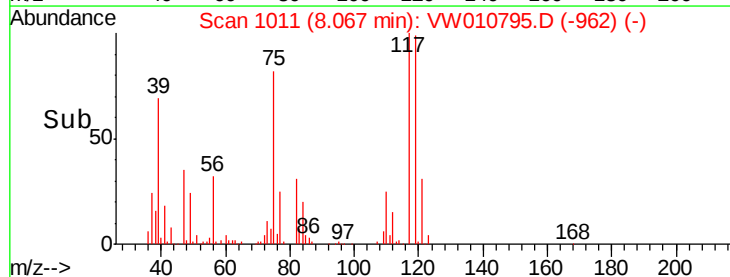
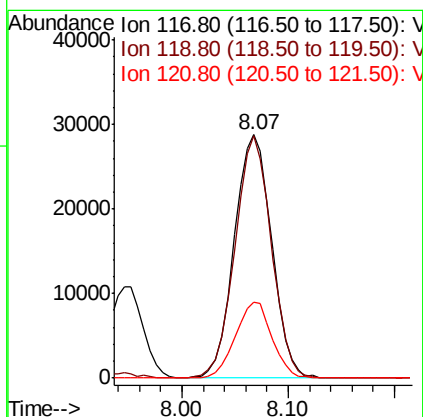
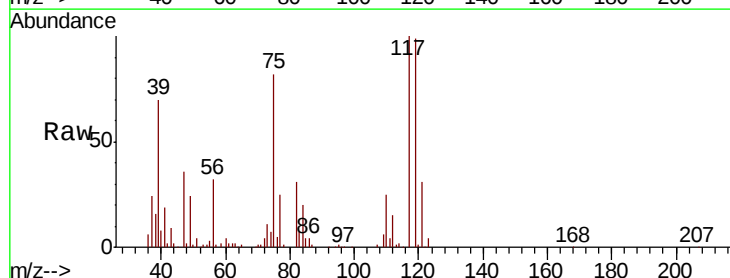
Instrument :
MSVOA_W
ClientSampled :

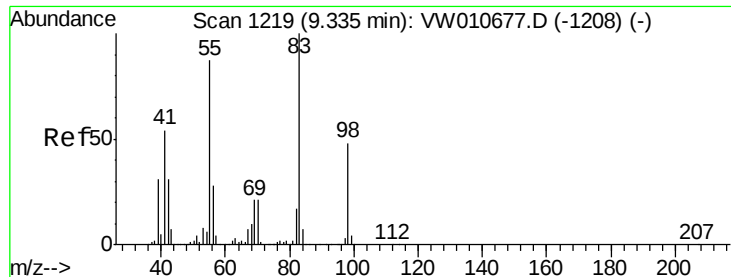
Tot Ion: 43 Resp: 44142
Ion Ratio Lower Upper
43 100
61 12.7 9.7 14.5
70 8.9 7.2 10.8



#38
Carbon Tetrachloride
Concen: 21.000 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW010795.D
Acq: 13 Jun 2019 14:02

Tgt Ion: 117 Resp: 71046
Ion Ratio Lower Upper
117 100
119 99.4 74.2 111.4
121 31.0 22.9 34.3

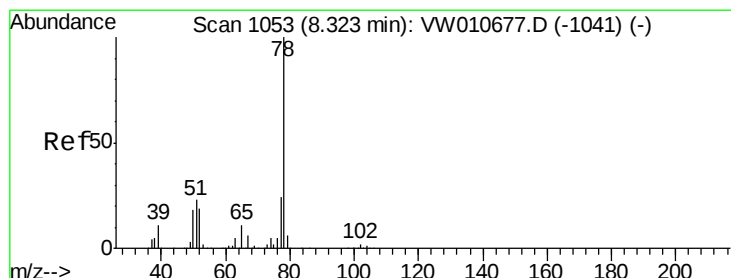
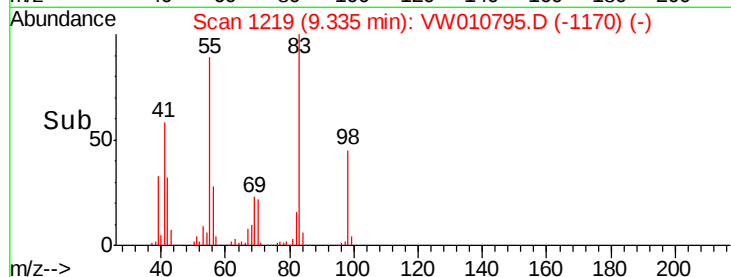
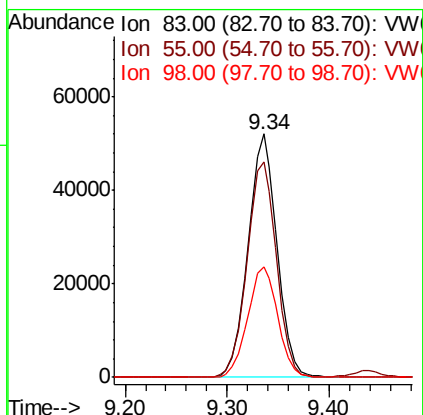
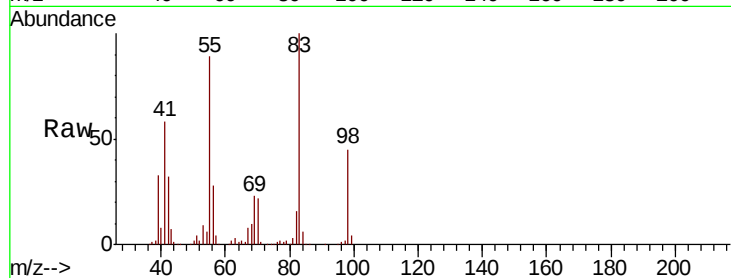




#39
Methvlcvclohexane
Concen: 20.625 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010795.D
Acq: 13 Jun 2019 14:02

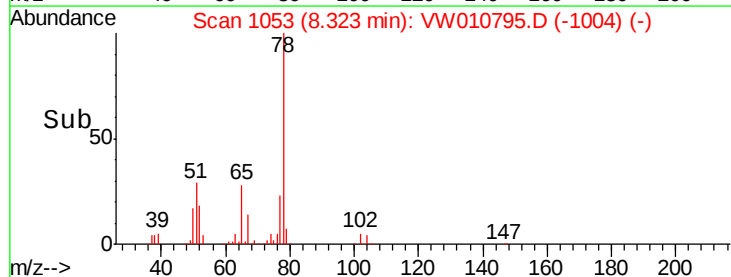
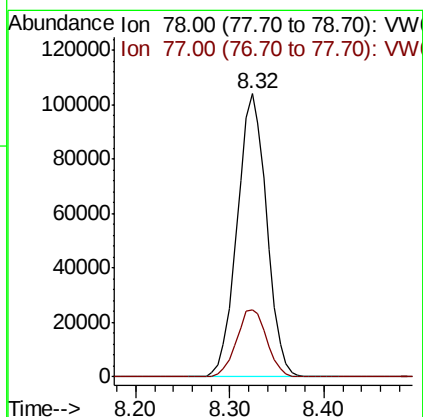
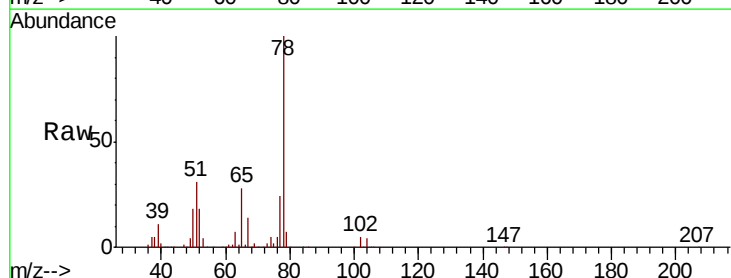
Instrument :
MSVOA_W
ClientSampleId :

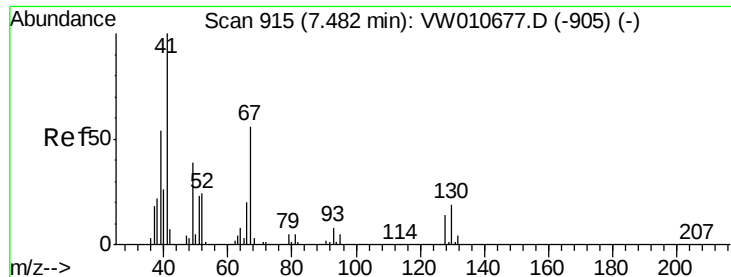
Tot Ion: 83 Resp: 102750
Ion Ratio Lower Upper
83 100
55 88.7 70.0 105.0
98 45.2 38.1 57.1



#40
Benzene
Concen: 21.252 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW010795.D
Acq: 13 Jun 2019 14:02

Tgt Ion: 78 Resp: 227207
Ion Ratio Lower Upper
78 100
77 23.5 19.1 28.7

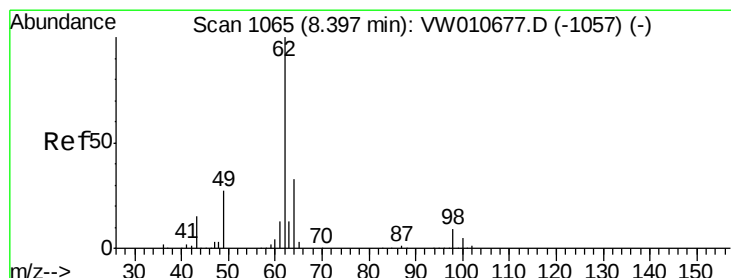
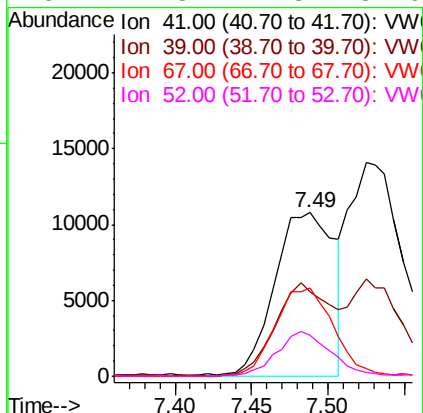
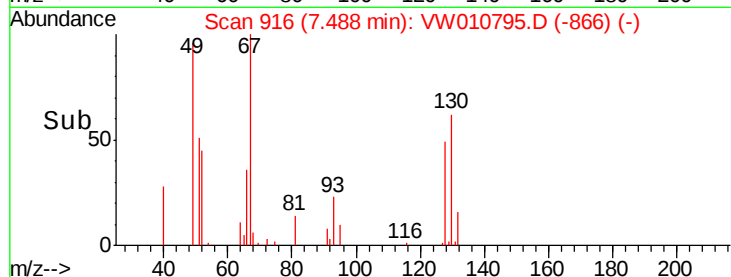
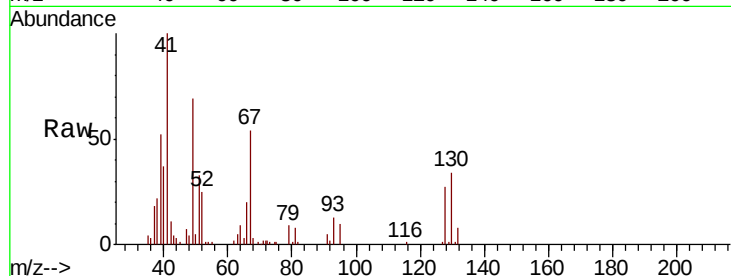




#41
Methacrylonitrile
Concen: 22.767 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW010795.D
Acq: 13 Jun 2019 14:02

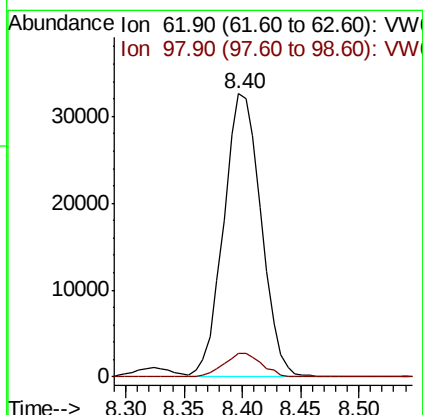
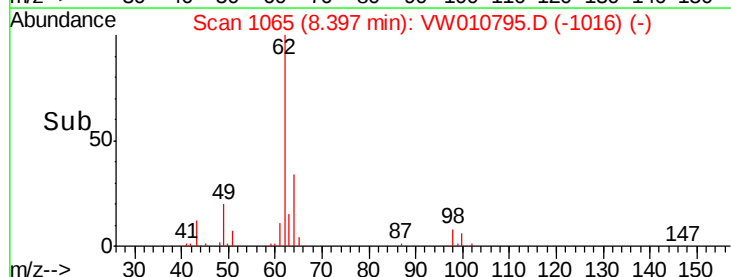
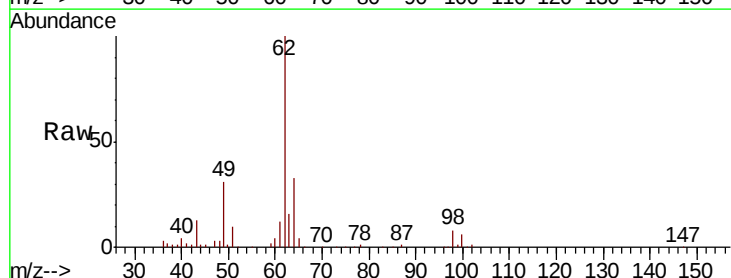
Instrument :
MSVOA_W
ClientSampled :

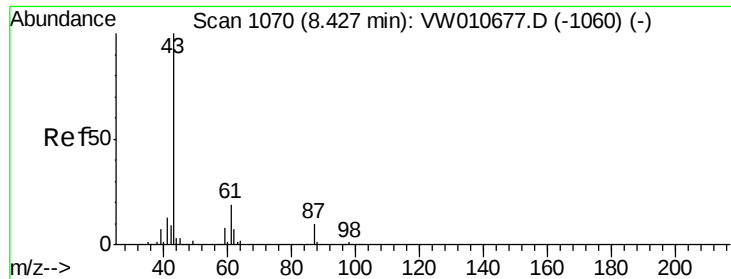
Tot Ion:	41	Resp:	29389
Ion	Ratio	Lower	Upper
41	100		
39	53.0	47.3	70.9
67	52.9	47.2	70.8
52	24.8	21.3	31.9



#42
1,2-Dichloroethane
Concen: 21.497 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW010795.D
Acq: 13 Jun 2019 14:02

Tgt Ion:	62	Resp:	72944
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.2





#43

Isopropyl Acetate

Concen: 20.274 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW010795.D

Acq: 13 Jun 2019 14:02

Instrument :

MSVOA_W

ClientSampled :

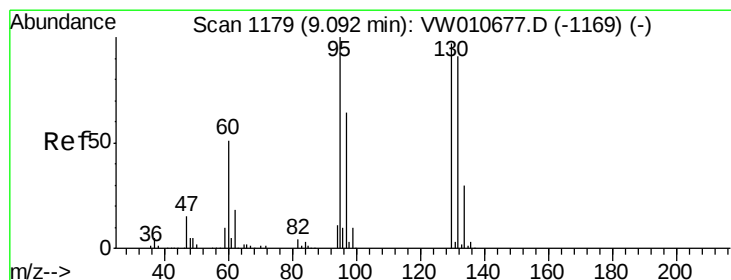
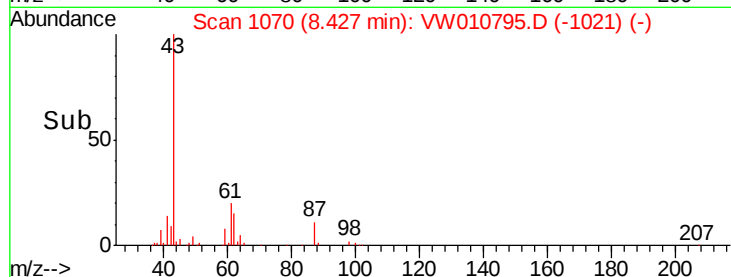
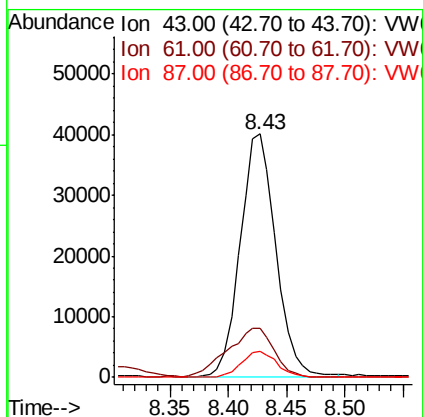
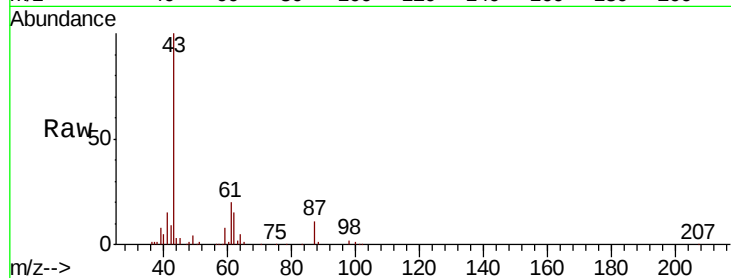
Tot Ion: 43 Resp: 85060

Ion Ratio Lower Upper

43 100

61 26.6 21.2 31.8

87 10.7 8.3 12.5



#44

Trichloroethene

Concen: 20.967 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW010795.D

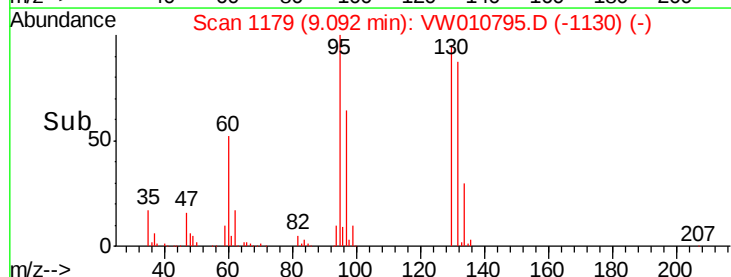
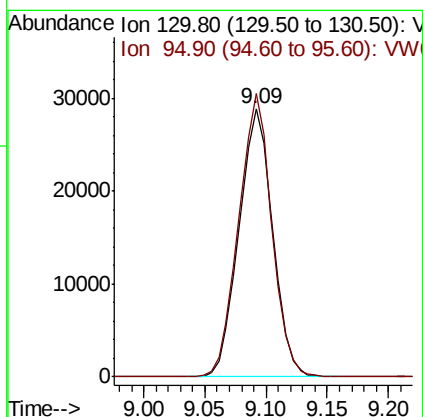
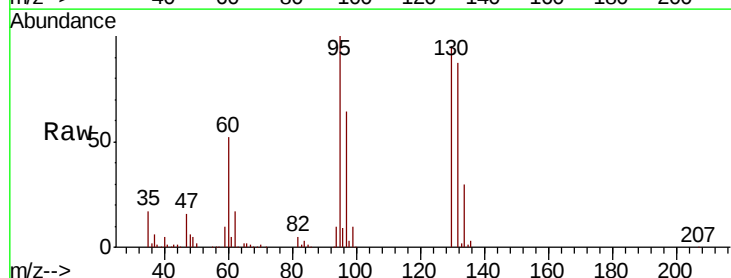
Acq: 13 Jun 2019 14:02

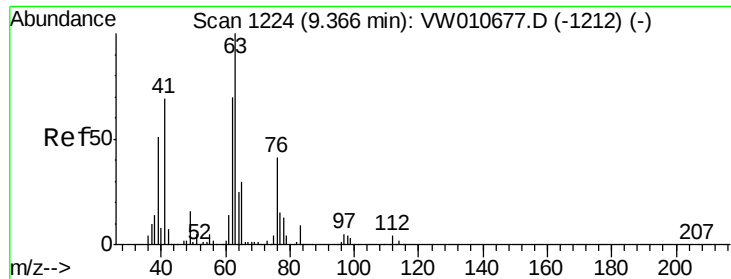
Tgt Ion: 130 Resp: 55297

Ion Ratio Lower Upper

130 100

95 105.5 0.0 207.0

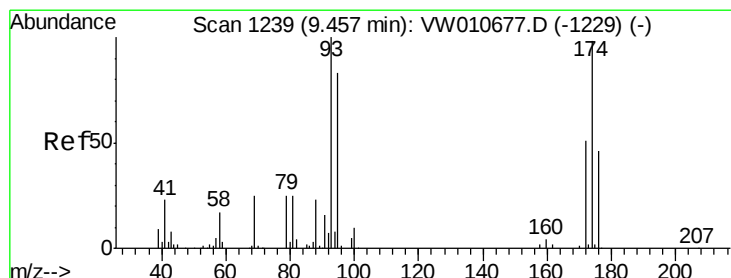
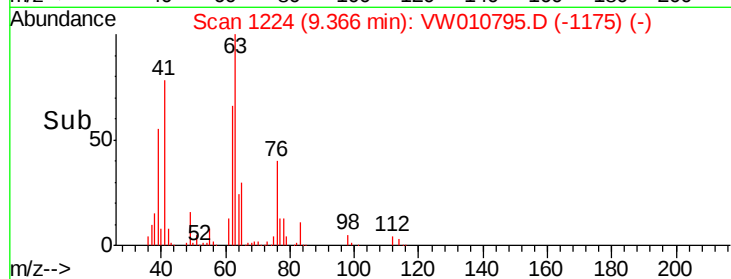
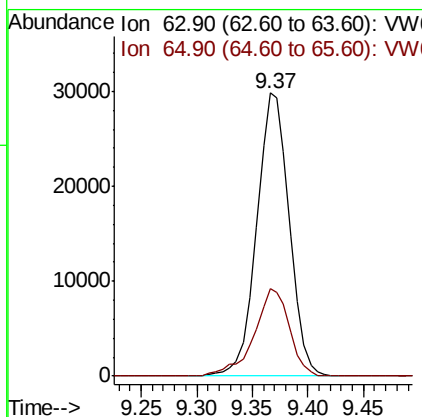
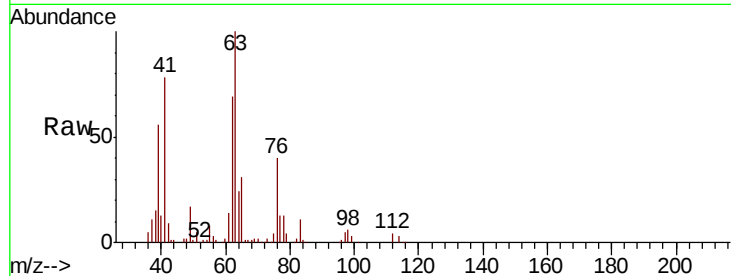




#45
 1,2-Dichloropropane
 Concen: 21.414 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW010795.D
 Acq: 13 Jun 2019 14:02

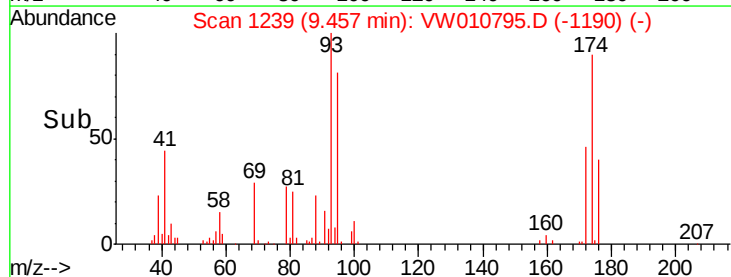
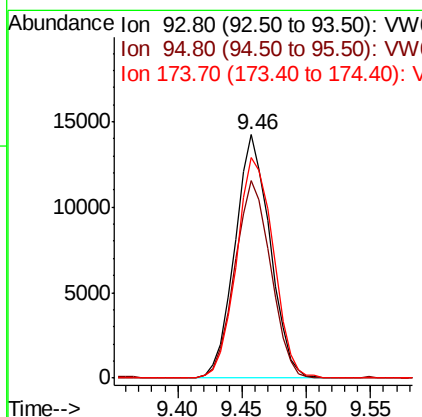
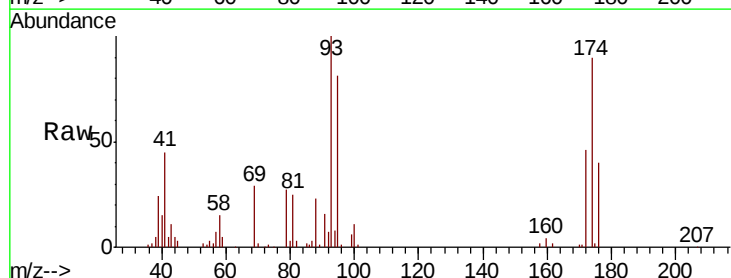
Instrument :
 MSVOA_W
 ClientSampleId :

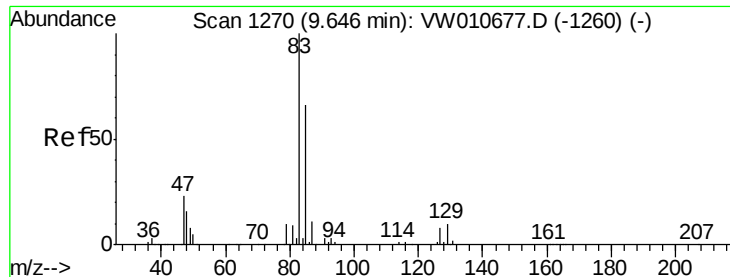
Tot Ion: 63 Resp: 60603
 Ion Ratio Lower Upper
 63 100
 65 30.8 23.8 35.6



#46
 Dibromomethane
 Concen: 20.535 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW010795.D
 Acq: 13 Jun 2019 14:02

Tgt Ion: 93 Resp: 26994
 Ion Ratio Lower Upper
 93 100
 95 82.7 65.8 98.8
 174 94.7 77.4 116.0

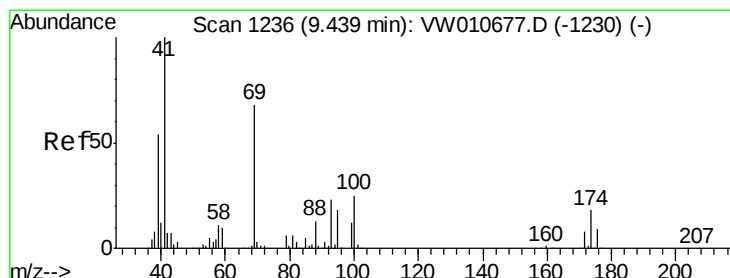
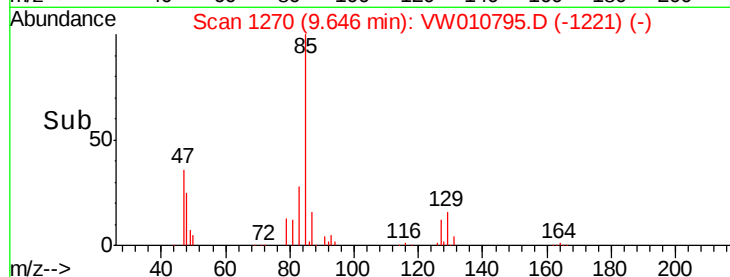
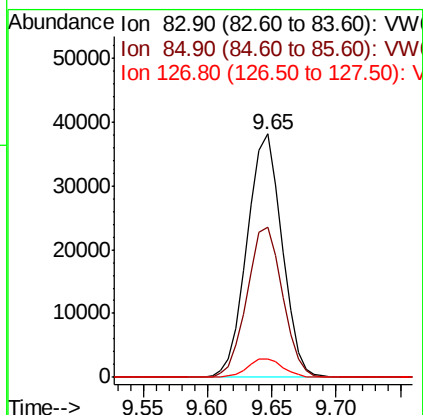
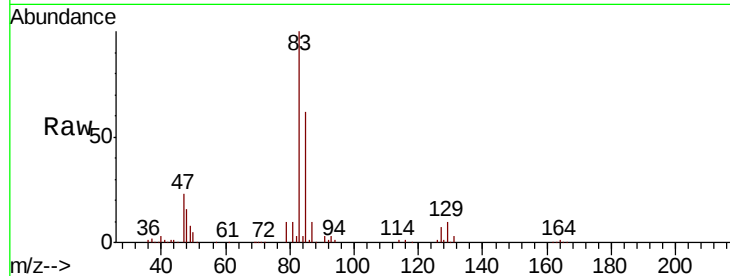




#47
Bromodichloromethane
Concen: 21.015 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW010795.D
Acq: 13 Jun 2019 14:02

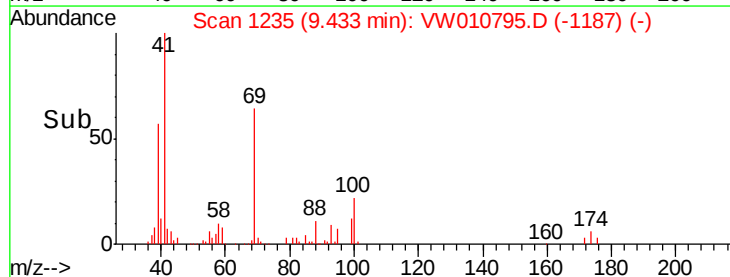
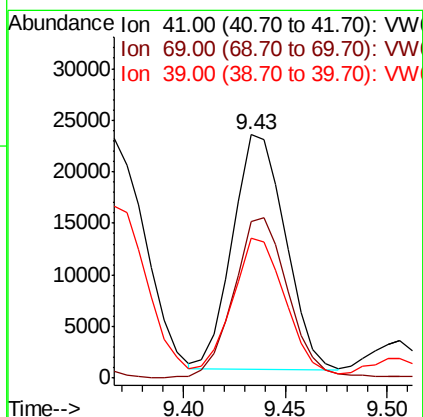
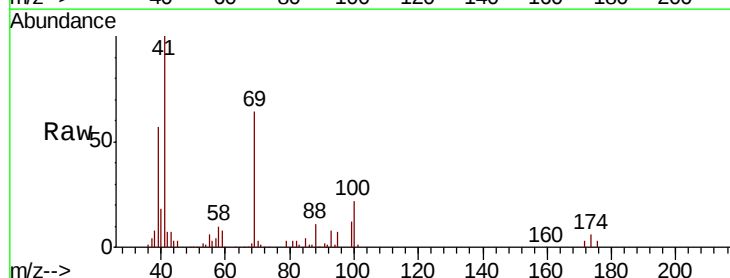
Instrument :
MSVOA_W
ClientSampled :

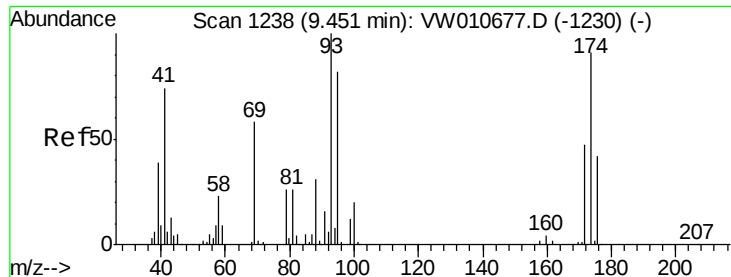
Tot Ion: 83 Resp: 71607
Ion Ratio Lower Upper
83 100
85 61.6 53.0 79.4
127 7.4 6.4 9.6



#48
Methyl methacrylate
Concen: 20.251 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW010795.D
Acq: 13 Jun 2019 14:02

Tgt Ion: 41 Resp: 40965
Ion Ratio Lower Upper
41 100
69 69.9 56.6 85.0
39 56.5 44.4 66.6





#49

1,4-Dioxane

Concen: 438.598 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.01 min

Lab File: VW010795.D

Acq: 13 Jun 2019 14:02

Instrument :

MSVOA_W

ClientSampleId :

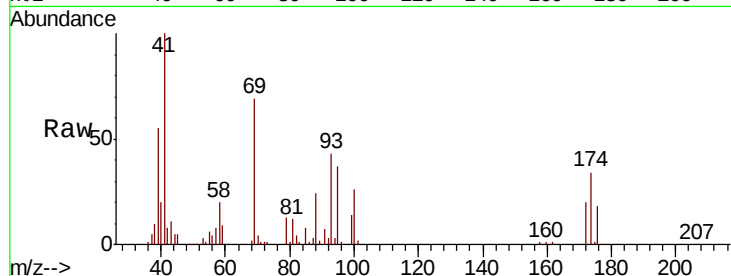
Tot Ion: 88 Resp: 9014

Ion Ratio Lower Upper

88 100

43 45.1 34.2 51.4

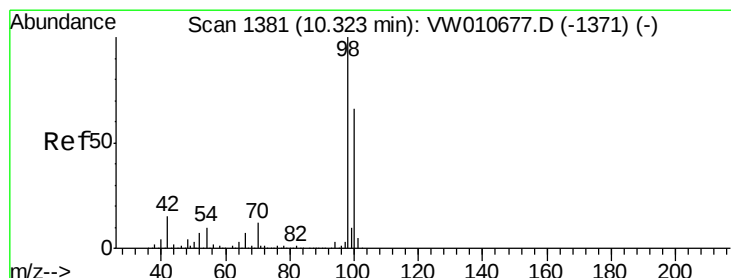
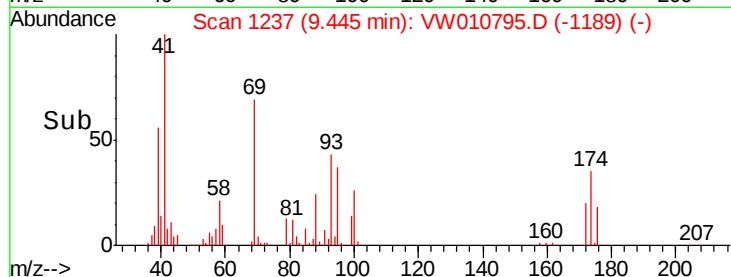
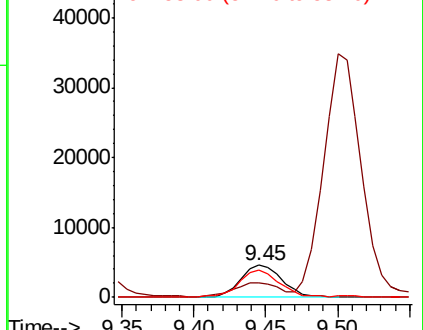
58 84.2 69.0 103.4



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 50.118 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010795.D

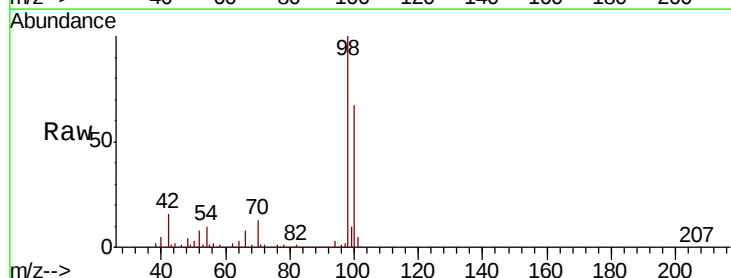
Acq: 13 Jun 2019 14:02

Tgt Ion: 98 Resp: 456704

Ion Ratio Lower Upper

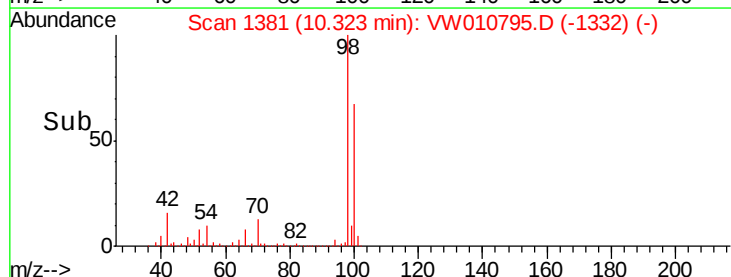
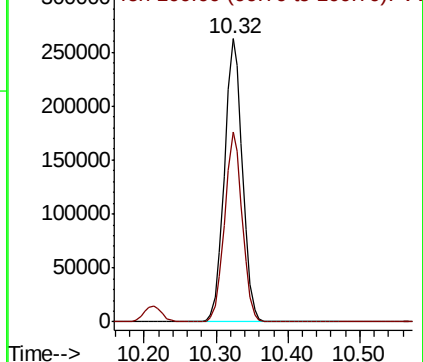
98 100

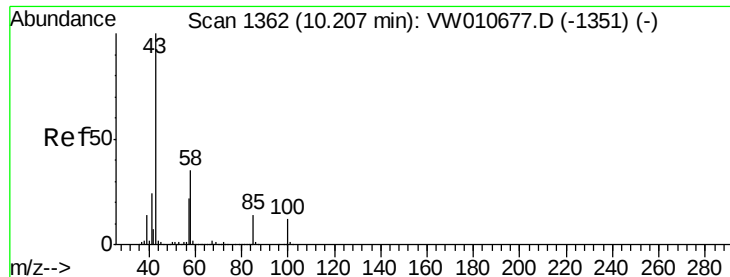
100 65.8 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 102.969 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010795.D

Acq: 13 Jun 2019 14:02

Instrument :

MSVOA_W

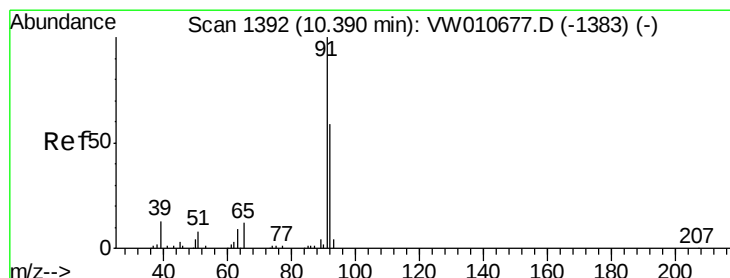
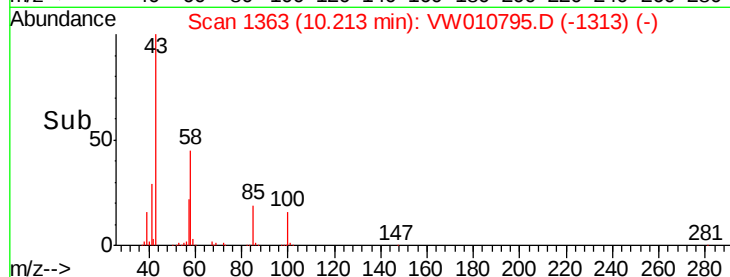
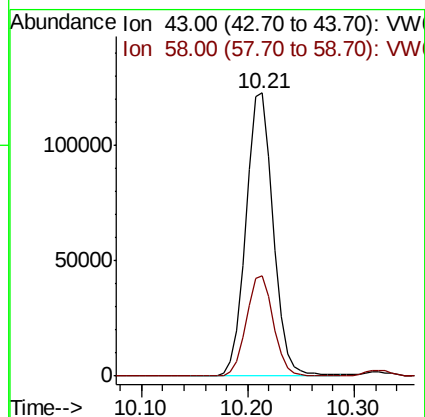
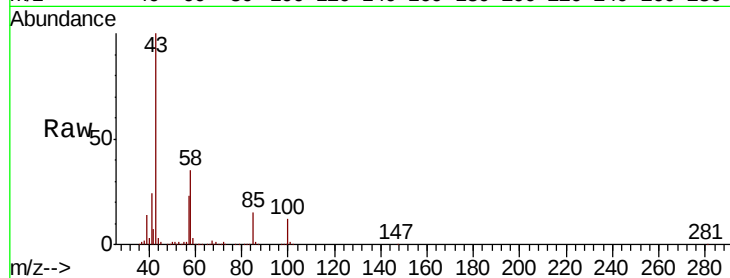
ClientSampled :

Tot Ion: 43 Resp: 220703

Ion Ratio Lower Upper

43 100

58 35.3 28.4 42.6



#52

Toluene

Concen: 21.258 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010795.D

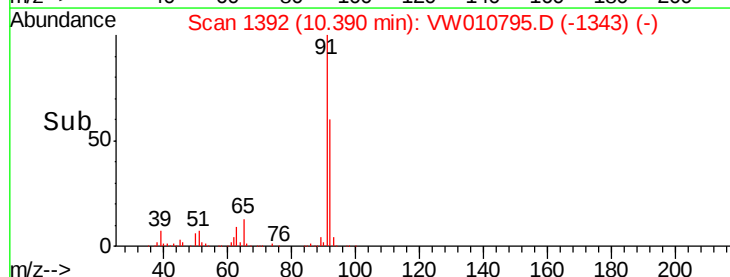
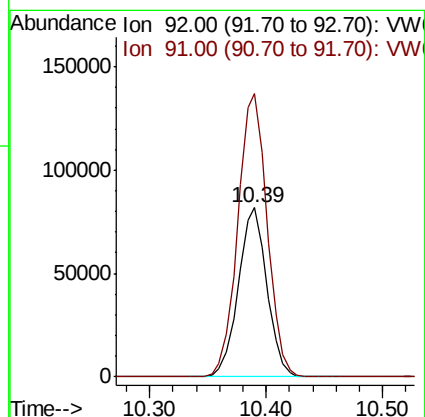
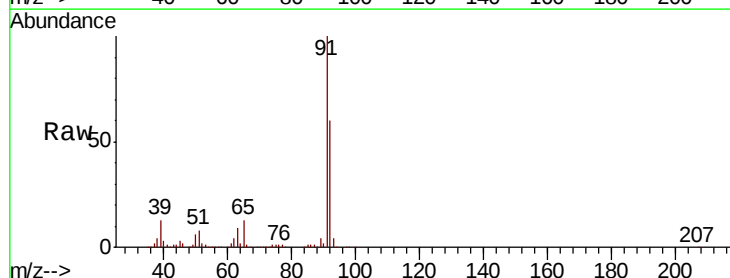
Acq: 13 Jun 2019 14:02

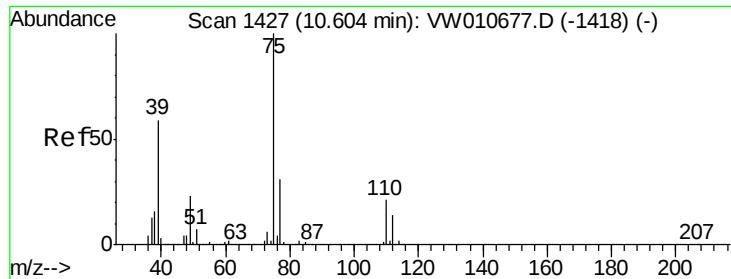
Tgt Ion: 92 Resp: 139836

Ion Ratio Lower Upper

92 100

91 171.9 134.9 202.3





#53

t-1,3-Dichloropropene

Concen: 20.814 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW010795.D

Acq: 13 Jun 2019 14:02

Instrument :

MSVOA_W

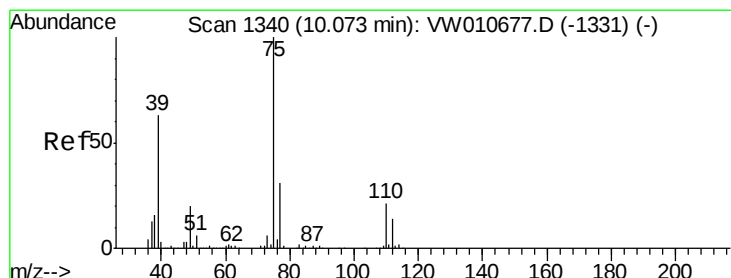
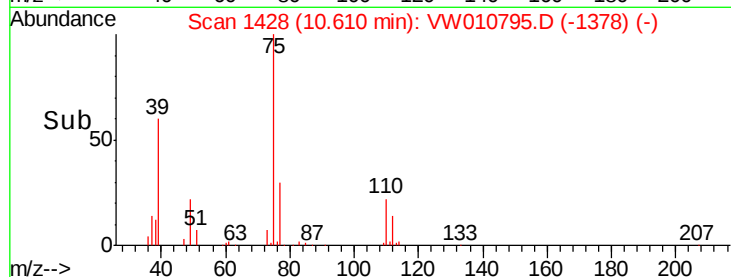
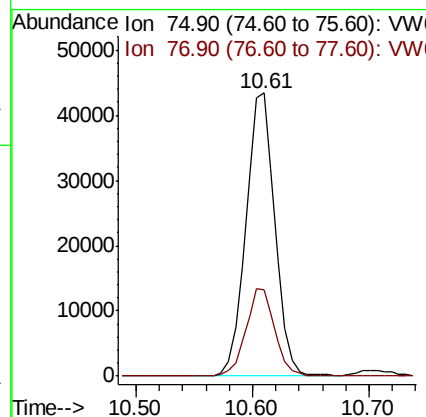
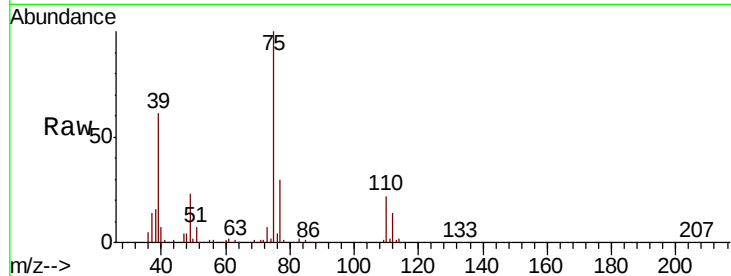
ClientSampleId :

Tot Ion: 75 Resp: 75122

Ion Ratio Lower Upper

75 100

77 30.3 24.6 36.8



#54

cis-1,3-Dichloropropene

Concen: 20.784 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010795.D

Acq: 13 Jun 2019 14:02

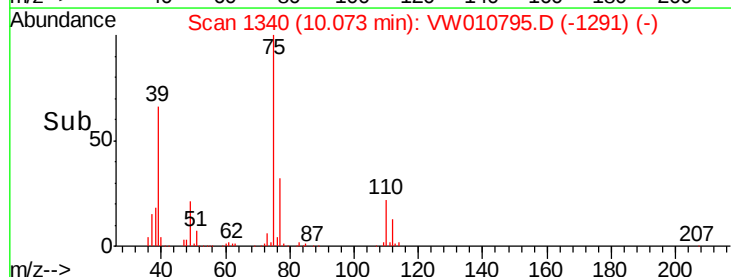
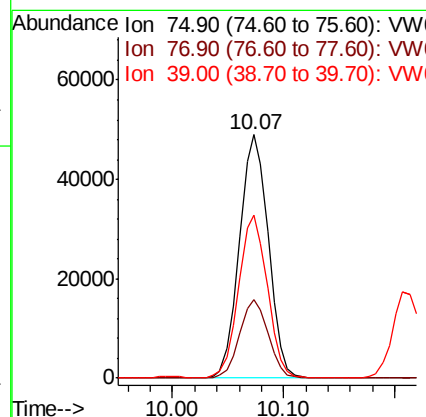
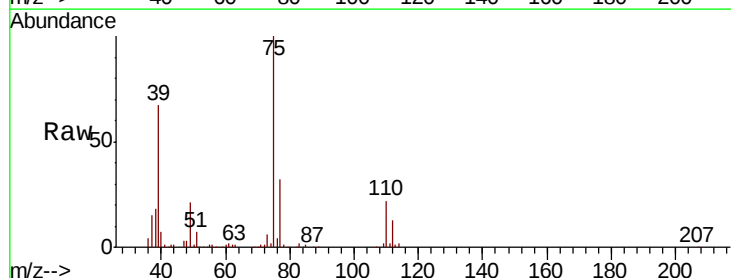
Tgt Ion: 75 Resp: 88268

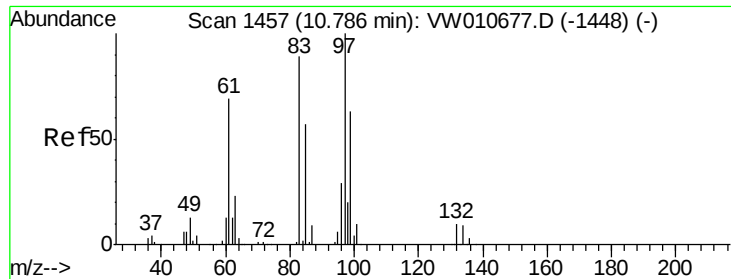
Ion Ratio Lower Upper

75 100

77 32.5 25.2 37.8

39 66.5 50.1 75.1

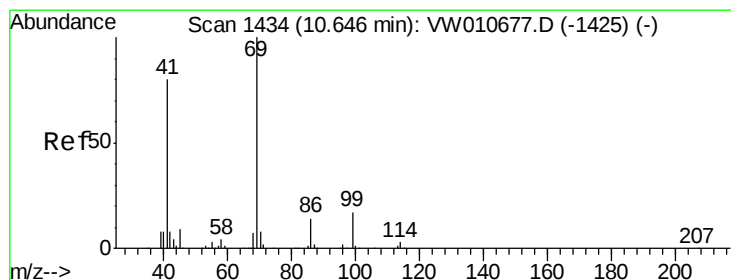
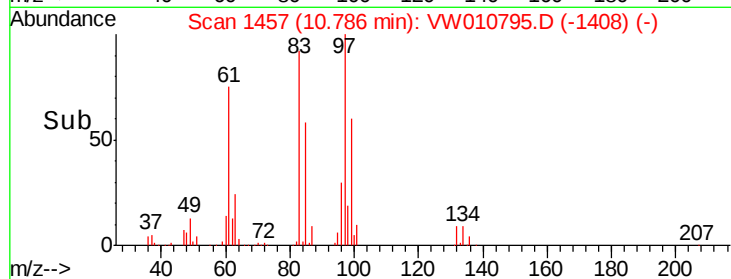
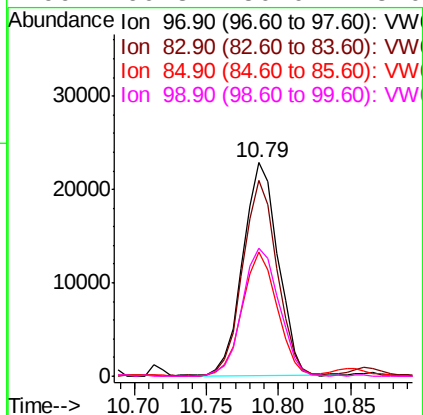
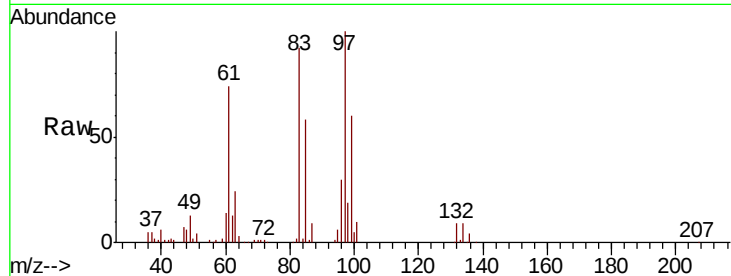




#55
 1,1,2-Trichloroethane
 Concen: 20.350 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010795.D
 Acq: 13 Jun 2019 14:02

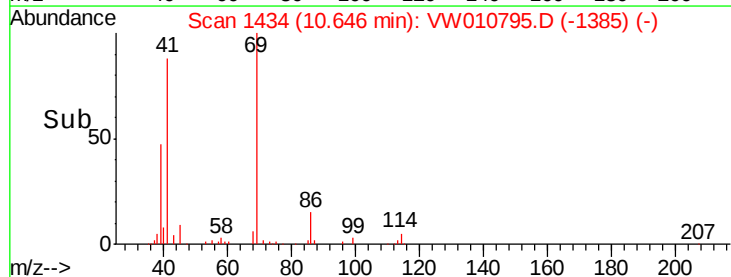
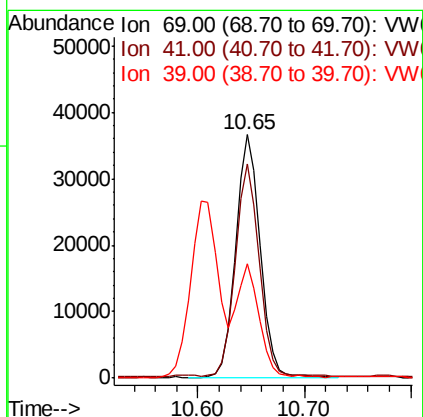
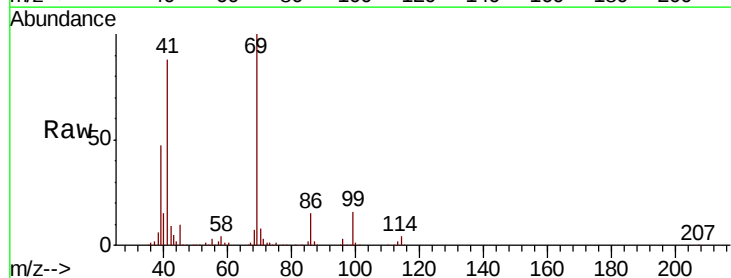
Instrument :
 MSVOA_W
 ClientSampled :

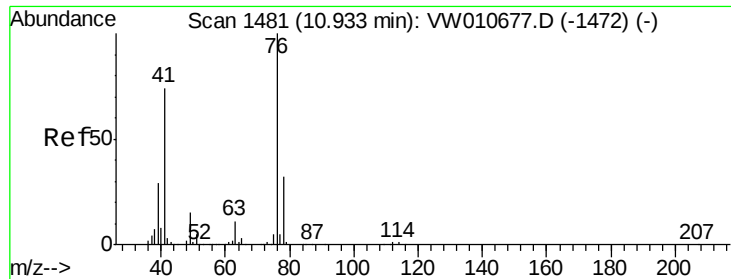
Tot Ion:	97	Resp:	38537
Ion	Ratio	Lower	Upper
97	100		
83	91.6	71.1	106.7
85	58.3	45.2	67.8
99	60.3	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 20.270 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW010795.D
 Acq: 13 Jun 2019 14:02

Tgt Ion:	69	Resp:	59066
Ion	Ratio	Lower	Upper
69	100		
41	85.5	64.8	97.2
39	43.3	32.2	48.2

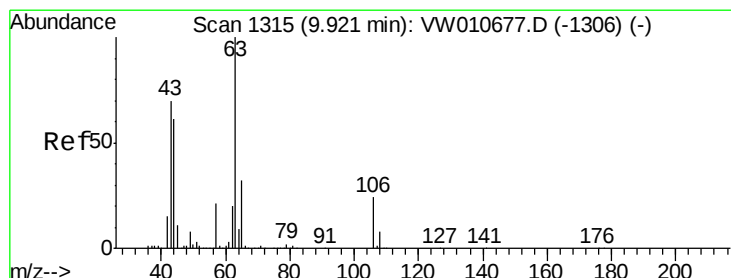
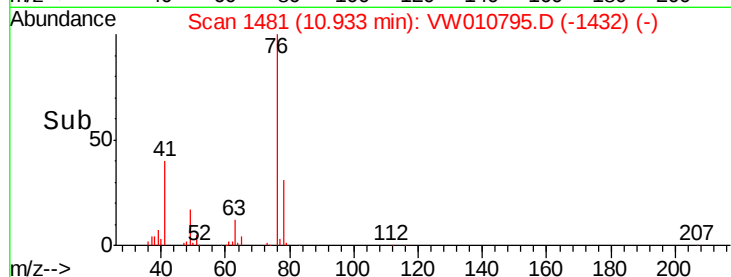
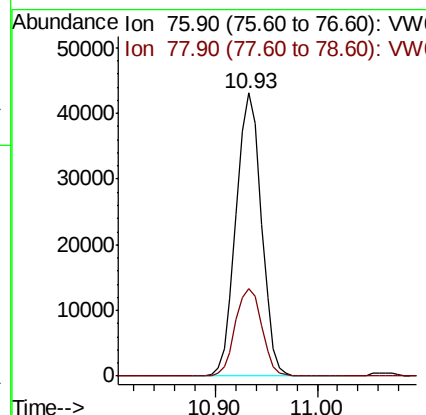
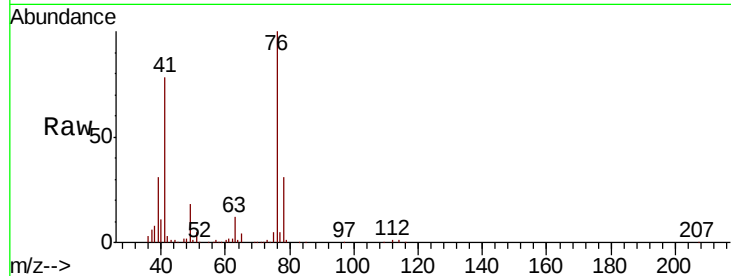




#57
 1,3-Dichloropropane
 Concen: 20.796 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW010795.D
 Acq: 13 Jun 2019 14:02

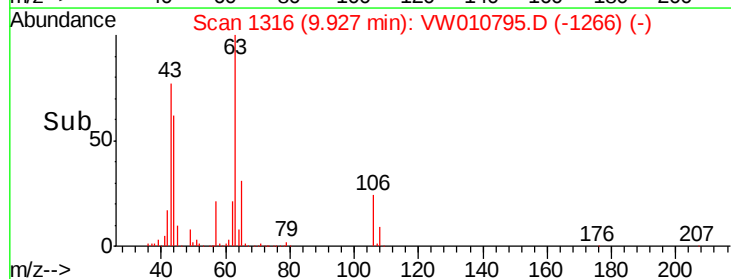
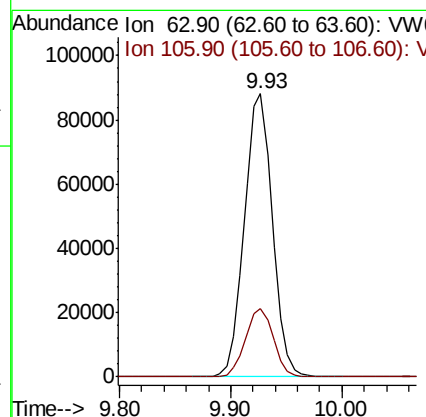
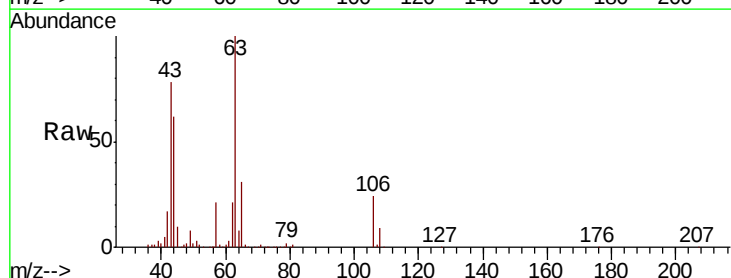
Instrument :
 MSVOA_W
 ClientSampleId :

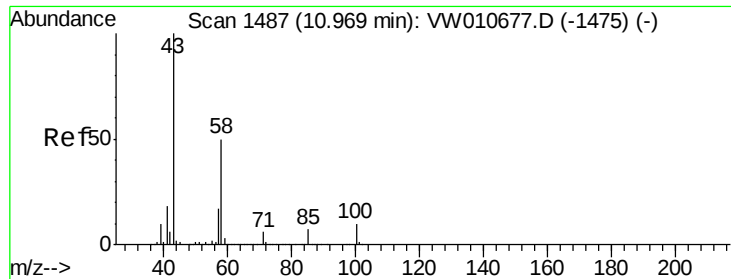
Tot Ion: 76 Resp: 74215
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.597 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW010795.D
 Acq: 13 Jun 2019 14:02

Tgt Ion: 63 Resp: 153535
 Ion Ratio Lower Upper
 63 100
 106 24.2 20.1 30.1

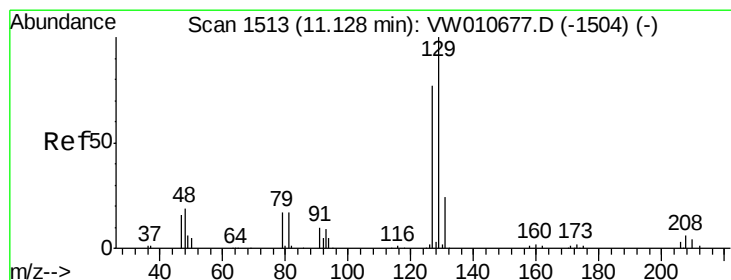
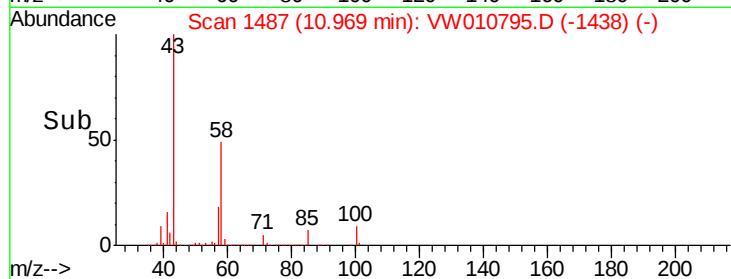
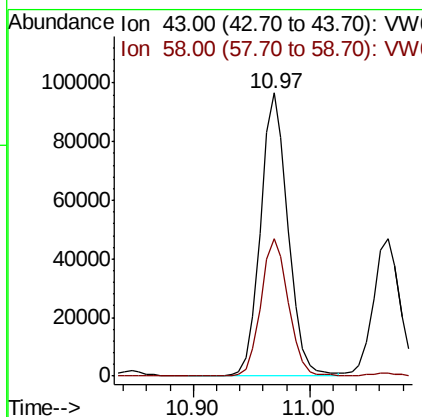
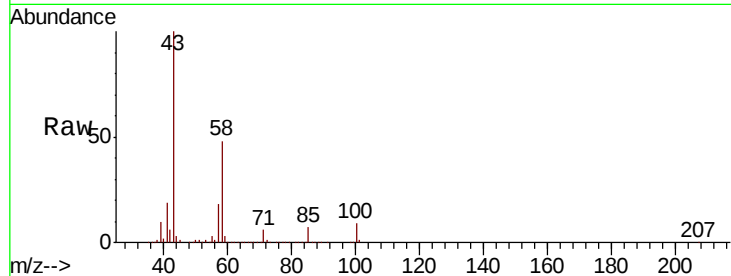




#59
2-Hexanone
Concen: 101.013 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010795.D
Acq: 13 Jun 2019 14:02

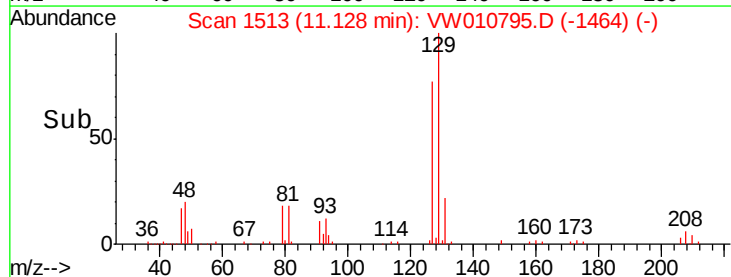
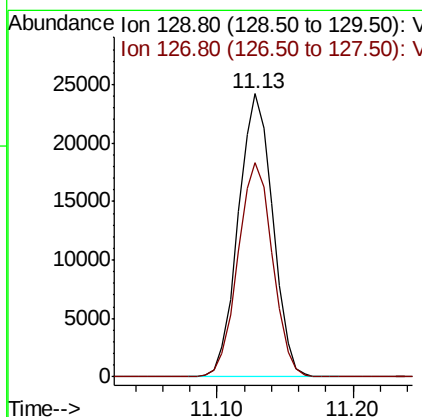
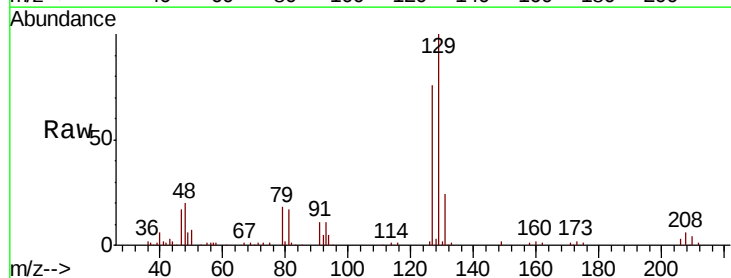
Instrument :
MSVOA_W
ClientSampled :

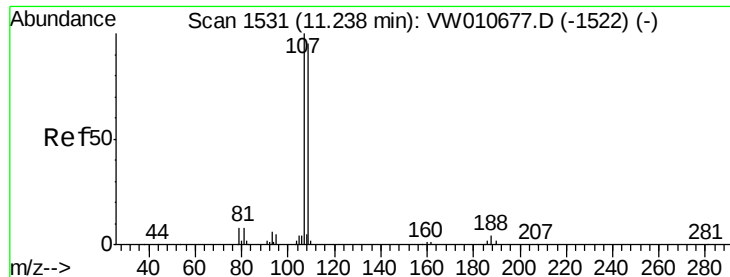
Tot Ion: 43 Resp: 156477
Ion Ratio Lower Upper
43 100
58 48.9 24.9 74.6



#60
Dibromochloromethane
Concen: 20.368 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010795.D
Acq: 13 Jun 2019 14:02

Tgt Ion: 129 Resp: 42756
Ion Ratio Lower Upper
129 100
127 76.3 38.6 116.0

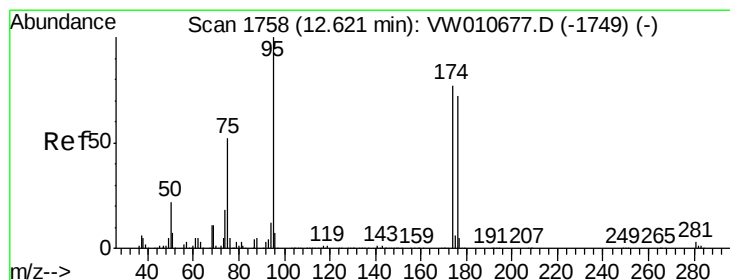
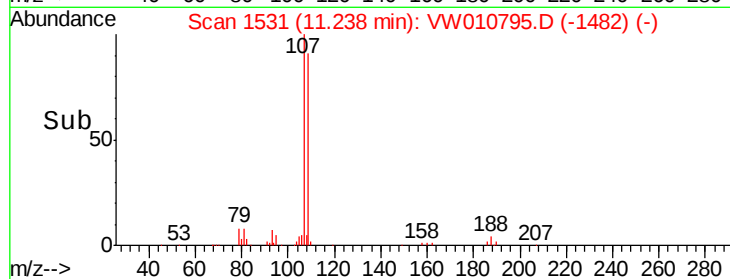
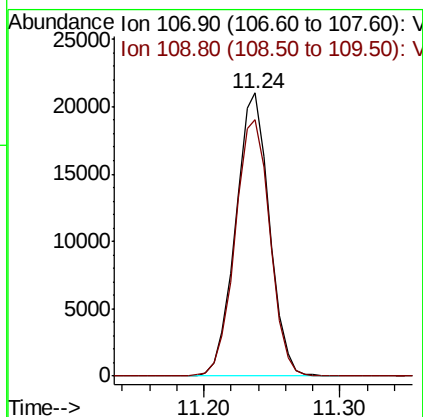
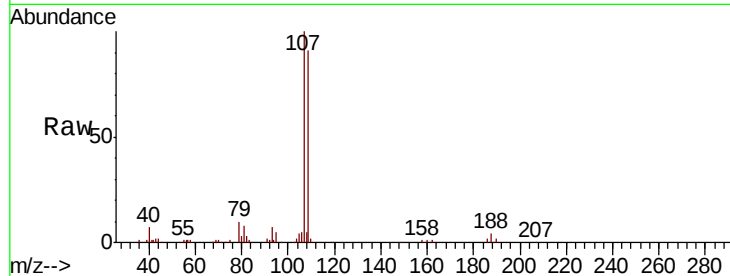




#61
 1,2-Dibromoethane
 Concen: 20.270 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW010795.D
 Acq: 13 Jun 2019 14:02

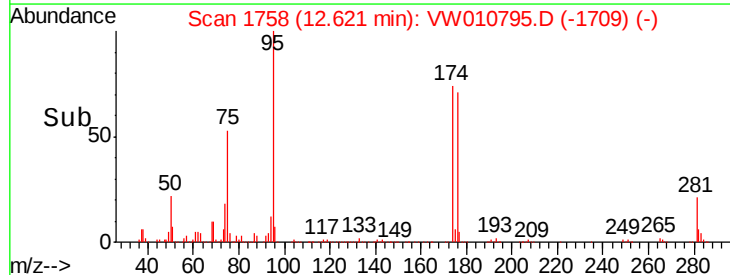
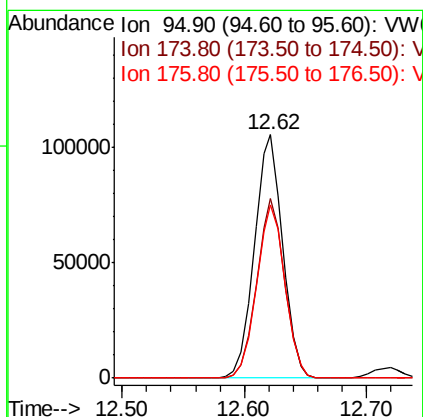
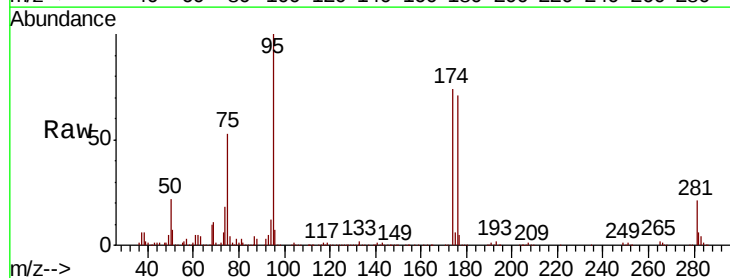
Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:107 Resp: 36368
 Ion Ratio Lower Upper
 107 100
 109 93.6 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 51.214 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW010795.D
 Acq: 13 Jun 2019 14:02

Tgt Ion: 95 Resp: 169824
 Ion Ratio Lower Upper
 95 100
 174 72.5 0.0 150.4
 176 71.2 0.0 144.8

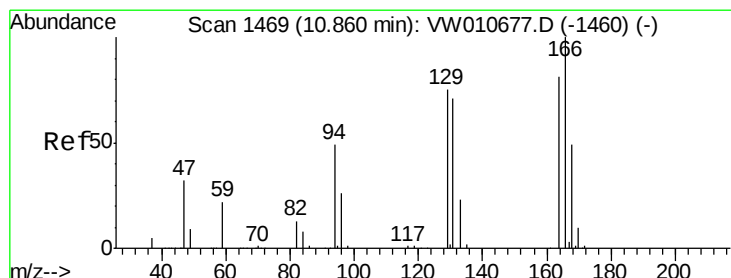
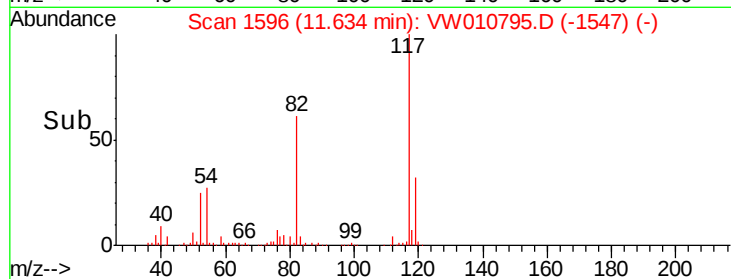
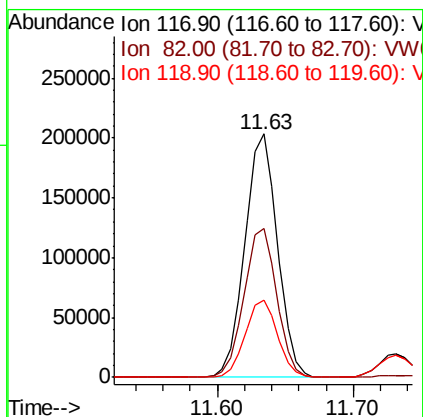
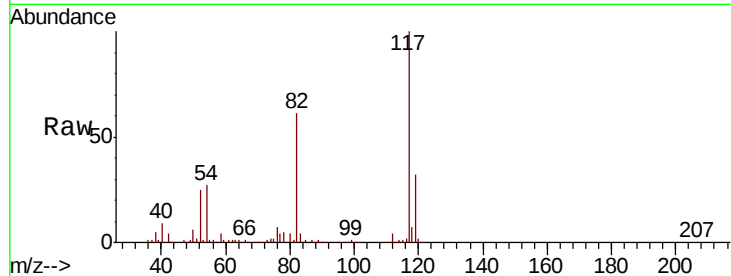




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010795.D
Acq: 13 Jun 2019 14:02

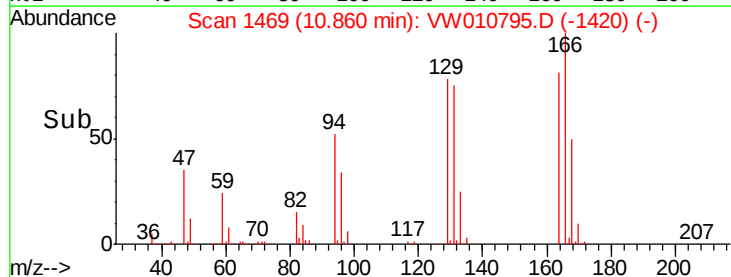
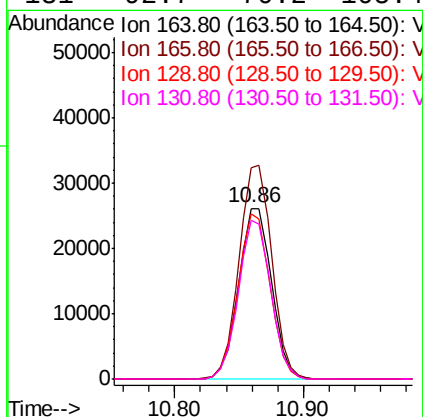
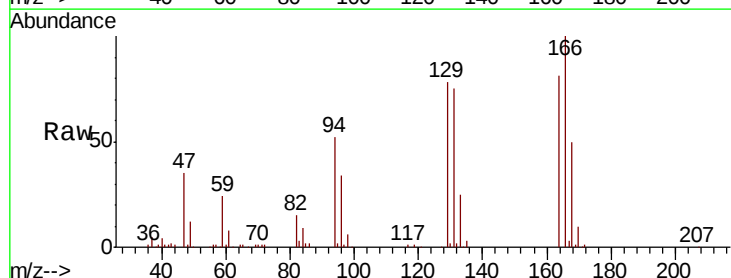
Instrument :
MSVOA_W
ClientSampled :

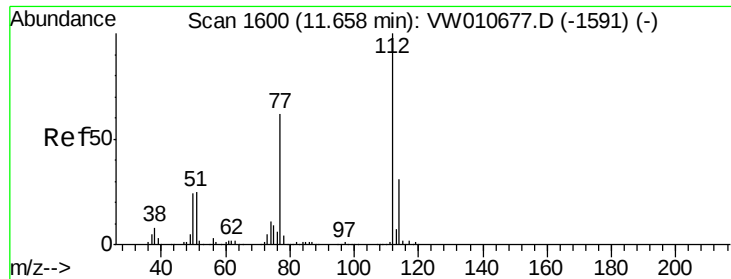
Tot Ion:117 Resp: 341755
Ion Ratio Lower Upper
117 100
82 60.9 47.0 70.4
119 31.7 25.1 37.7



#64
Tetrachloroethene
Concen: 20.335 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010795.D
Acq: 13 Jun 2019 14:02

Tgt Ion:164 Resp: 46143
Ion Ratio Lower Upper
164 100
166 123.5 99.2 148.8
129 96.6 74.6 112.0
131 92.7 70.2 105.4

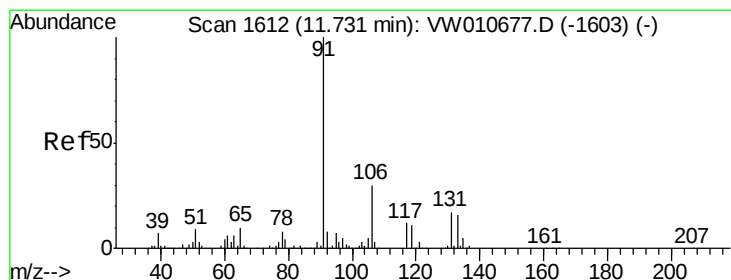
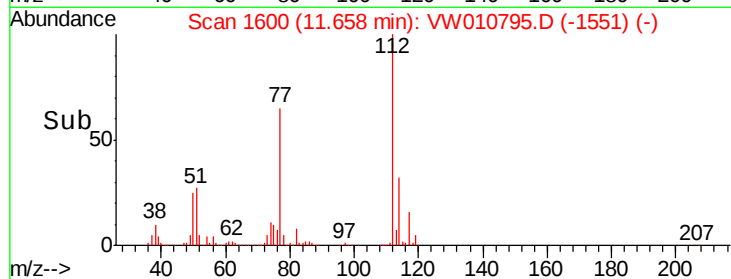
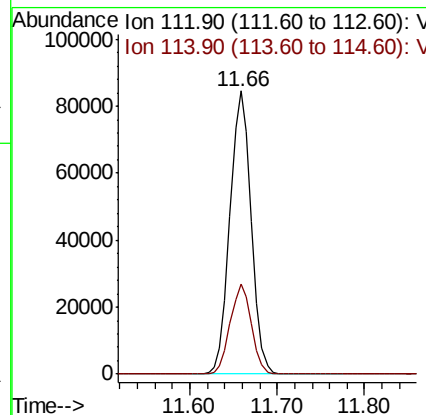
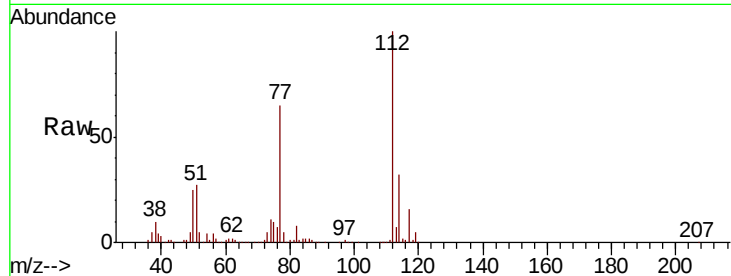




#65
Chlorobenzene
Concen: 21.134 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010795.D
Acq: 13 Jun 2019 14:02

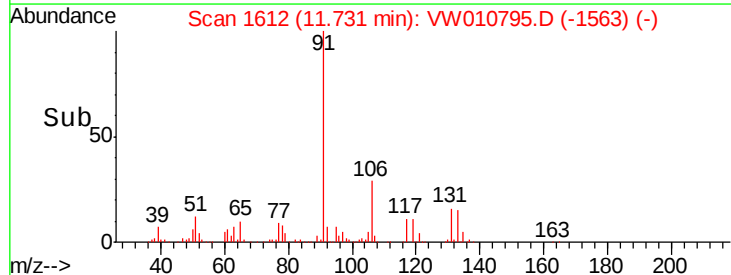
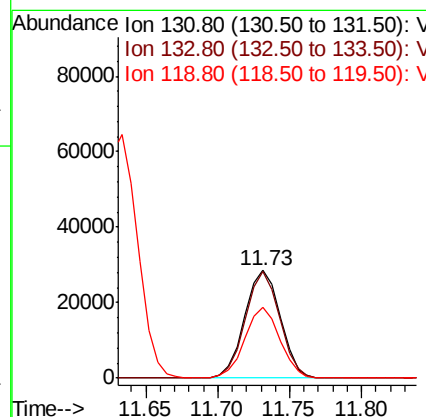
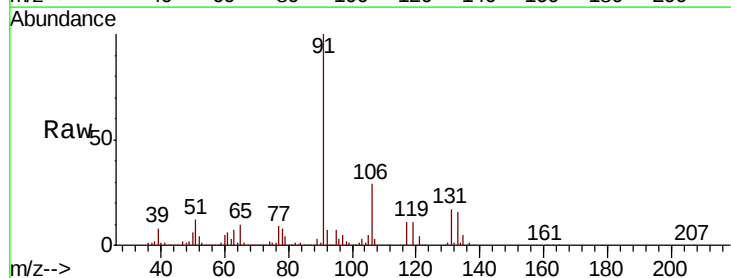
Instrument :
MSVOA_W
ClientSampleId :

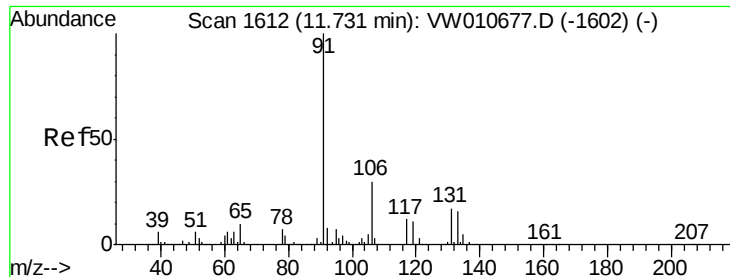
Tot Ion:112 Resp: 142034
Ion Ratio Lower Upper
112 100
114 31.9 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 21.091 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010795.D
Acq: 13 Jun 2019 14:02

Tgt Ion:131 Resp: 49066
Ion Ratio Lower Upper
131 100
133 95.0 47.3 141.9
119 65.1 32.4 97.0

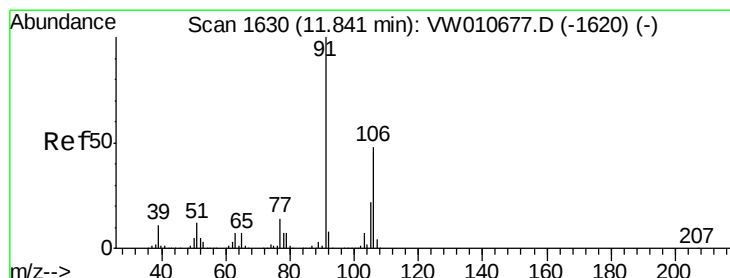
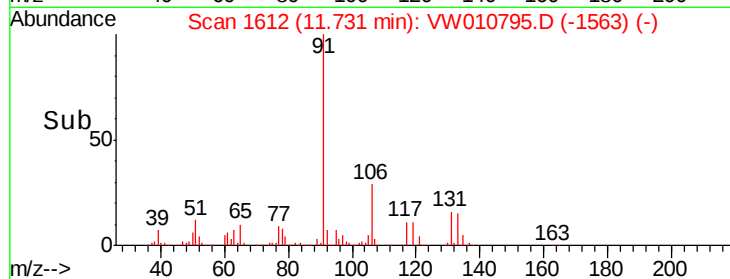
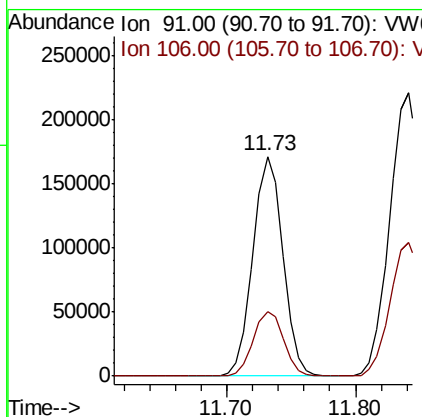
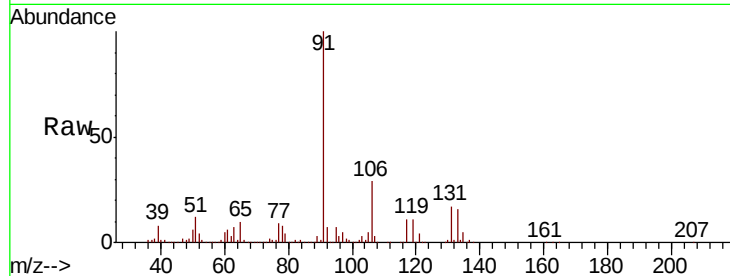




#67
Ethyl Benzene
Concen: 21.277 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010795.D
Acq: 13 Jun 2019 14:02

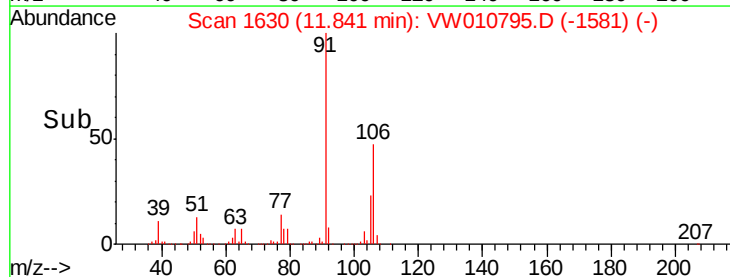
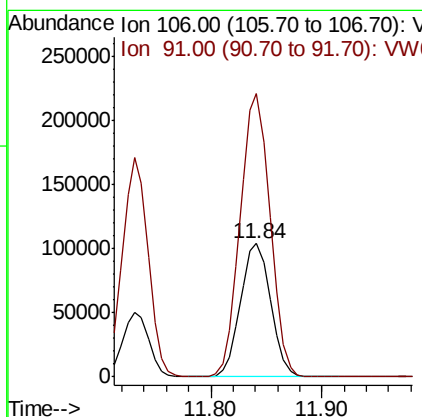
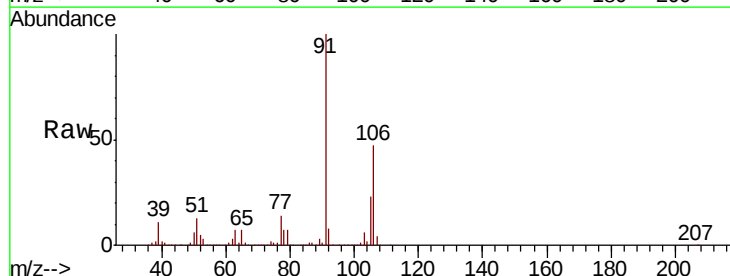
Instrument :
MSVOA_W
ClientSampled :

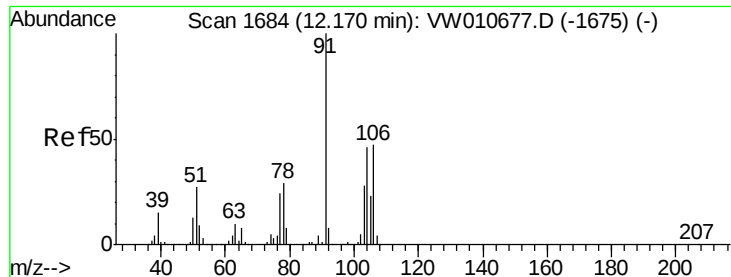
Tot Ion: 91 Resp: 274815
Ion Ratio Lower Upper
91 100
106 29.4 24.2 36.4



#68
m/p-Xylenes
Concen: 42.464 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010795.D
Acq: 13 Jun 2019 14:02

Tgt Ion: 106 Resp: 196333
Ion Ratio Lower Upper
106 100
91 210.3 166.5 249.7

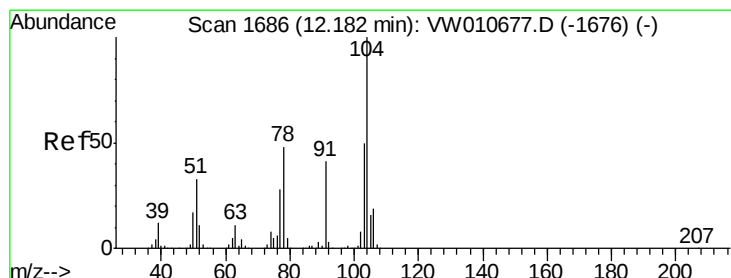
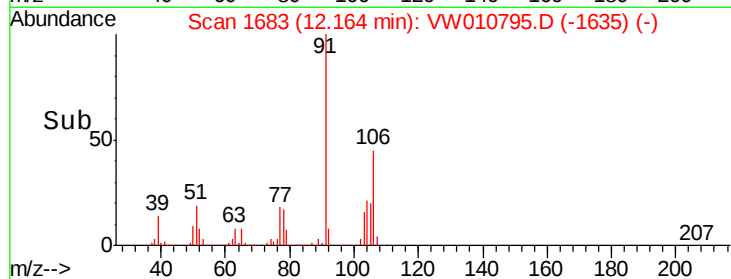
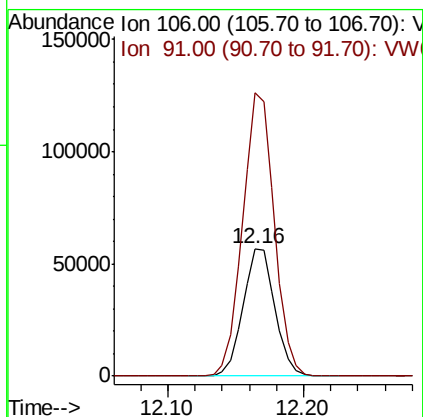
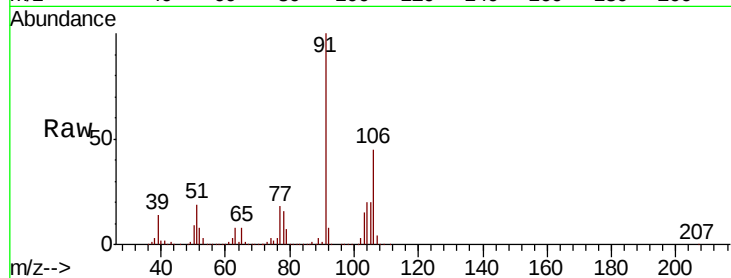




#69
o-Xylene
Concen: 21.109 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010795.D
Acq: 13 Jun 2019 14:02

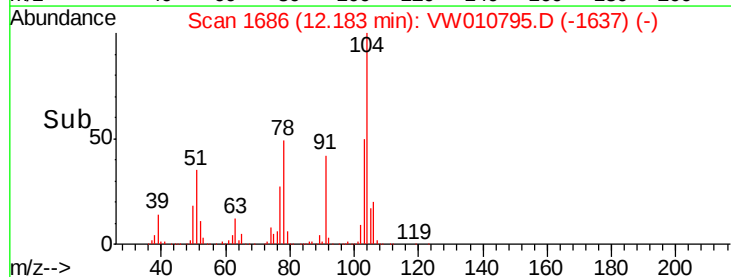
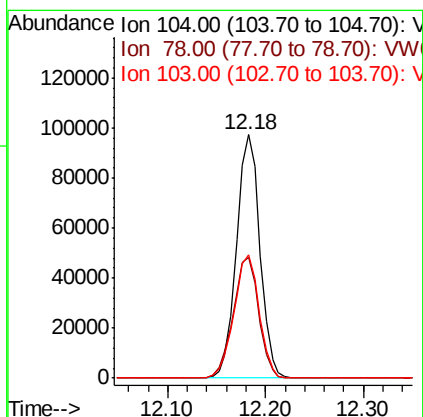
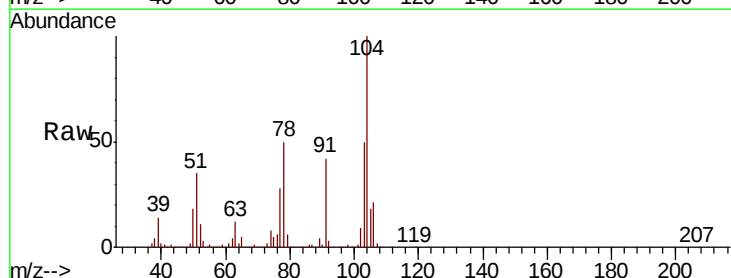
Instrument :
MSVOA_W
ClientSampled :

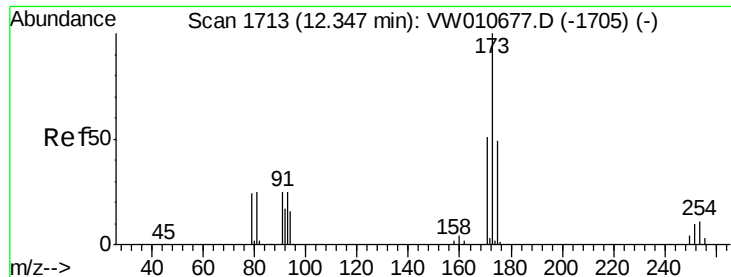
Tot Ion:106 Resp: 92563
Ion Ratio Lower Upper
106 100
91 221.6 108.9 326.6



#70
Styrene
Concen: 21.230 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010795.D
Acq: 13 Jun 2019 14:02

Tgt Ion:104 Resp: 161720
Ion Ratio Lower Upper
104 100
78 54.1 42.7 64.1
103 54.4 43.6 65.4

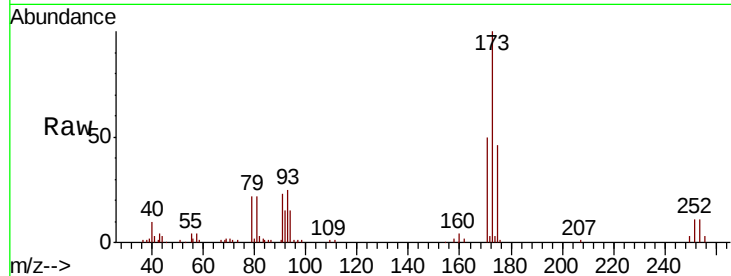




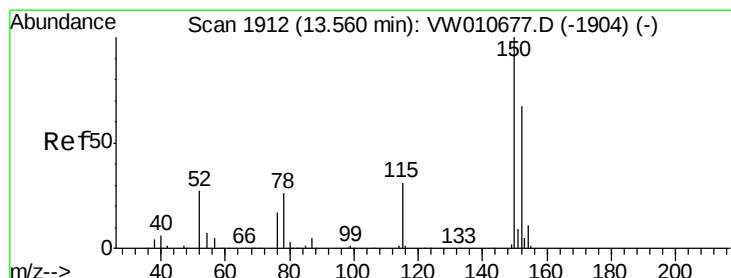
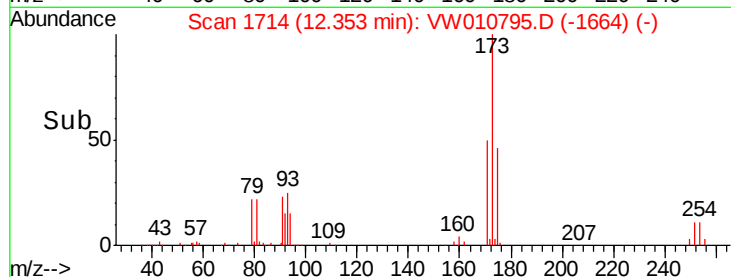
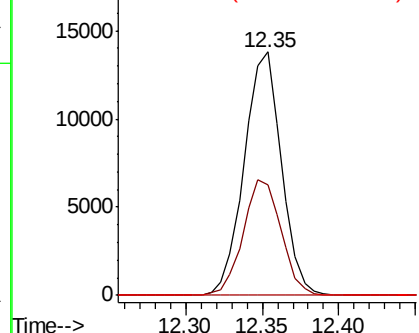
#71
Bromoform
Concen: 19.324 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW010795.D
Acq: 13 Jun 2019 14:02

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:173 Resp: 23251
Ion Ratio Lower Upper
173 100
175 48.4 24.3 72.8
254 0.0 0.1 0.1#

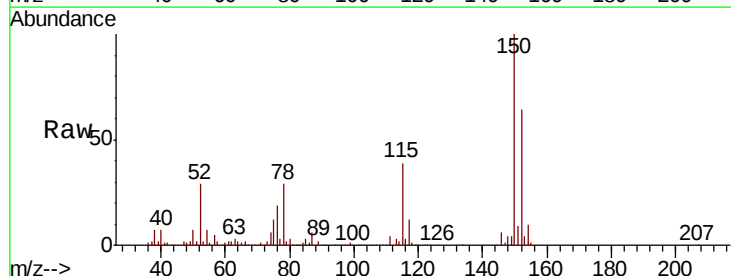


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

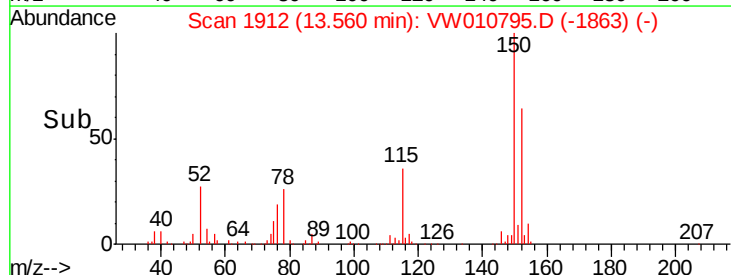
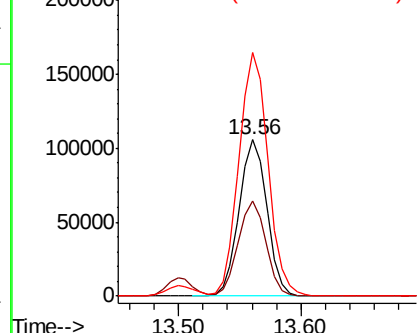


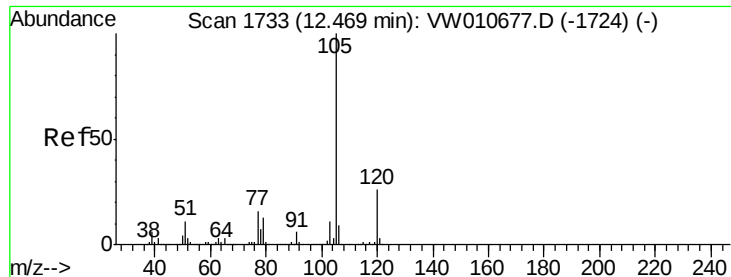
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW010795.D
Acq: 13 Jun 2019 14:02

Tgt Ion:152 Resp: 165479
Ion Ratio Lower Upper
152 100
115 61.0 29.8 89.3
150 163.4 0.0 345.0



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





#73

Isopropylbenzene

Concen: 21.134 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010795.D

Acq: 13 Jun 2019 14:02

Instrument :

MSVOA_W

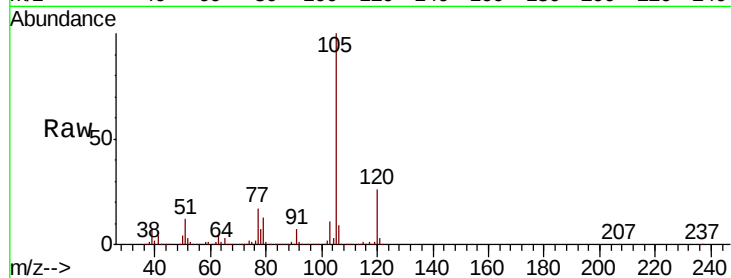
ClientSampleId :

Tot Ion:105 Resp: 262808

Ion Ratio Lower Upper

105 100

120 26.0 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

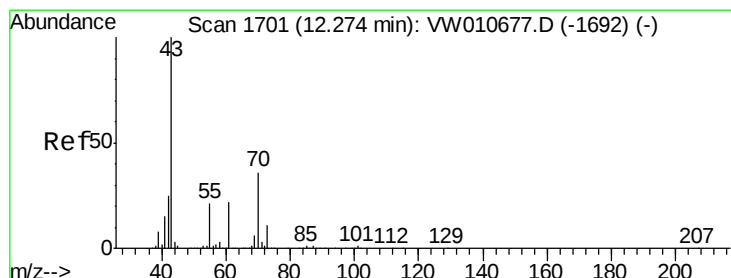
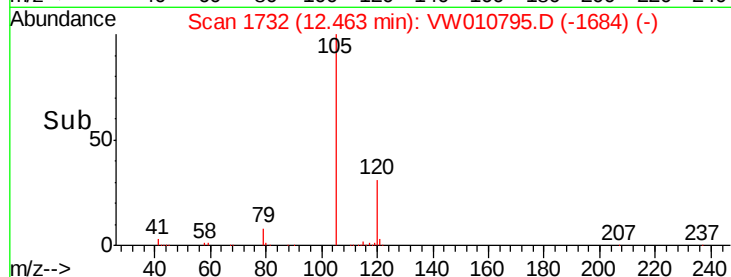
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 20.508 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010795.D

Acq: 13 Jun 2019 14:02

Tgt Ion: 43 Resp: 82418

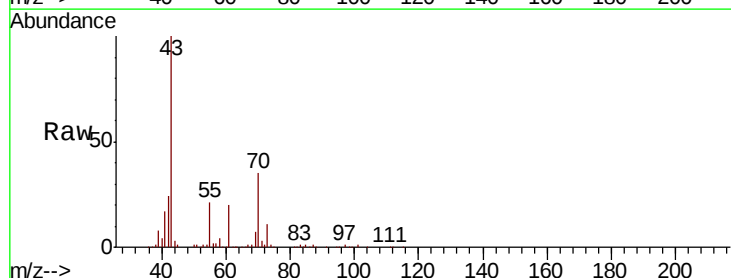
Ion Ratio Lower Upper

43 100

70 34.5 29.2 43.8

55 21.9 17.5 26.3

61 21.3 17.4 26.2



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

12.27

80000

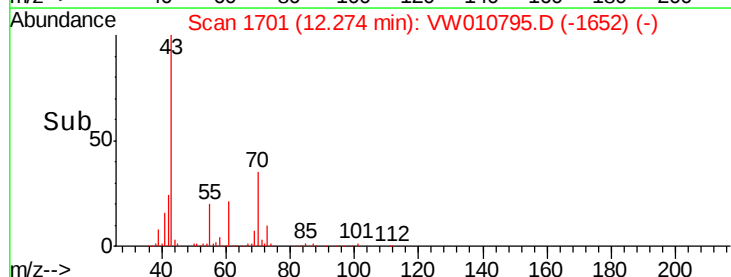
60000

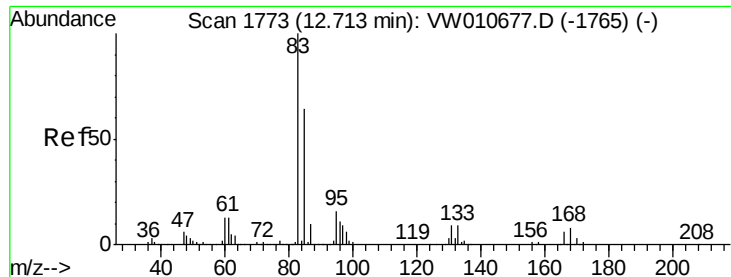
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.917 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010795.D

Acq: 13 Jun 2019 14:02

Instrument :

MSVOA_W

ClientSampled :

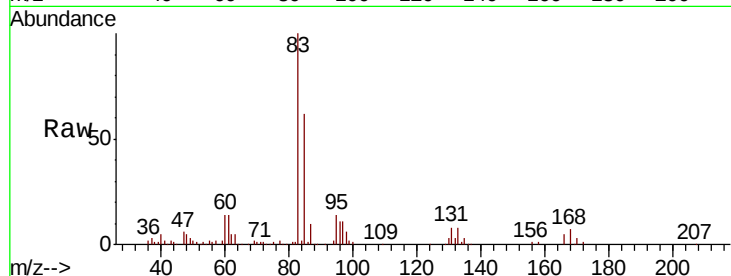
Tot Ion: 83 Resp: 47149

Ion Ratio Lower Upper

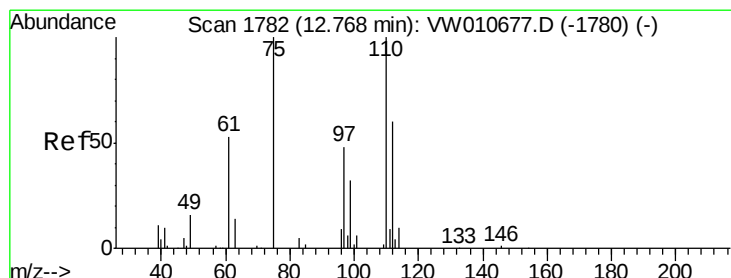
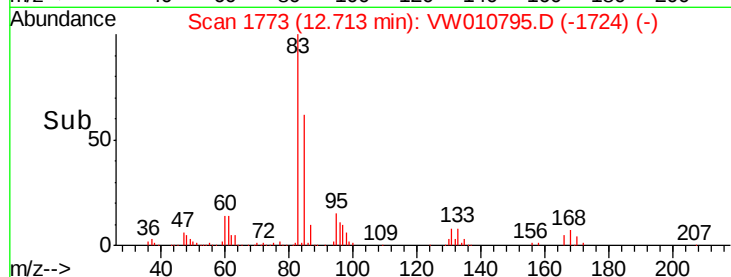
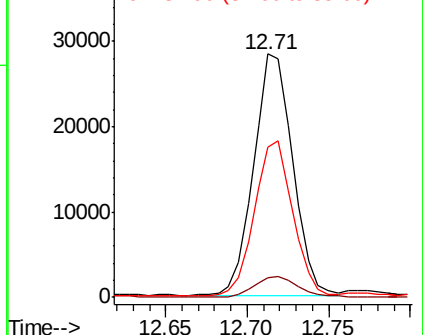
83 100

131 9.7 4.9 14.7

85 63.0 31.9 95.9



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



#76

1,2,3-Trichloropropane

Concen: 35.868 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010795.D

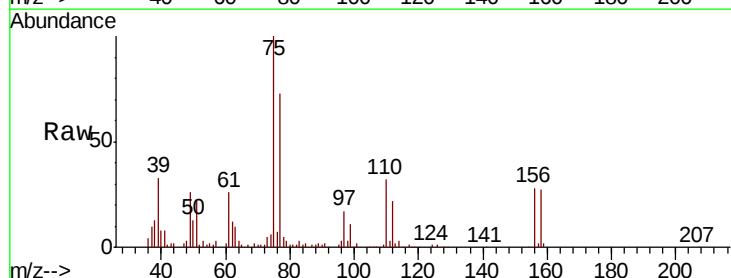
Acq: 13 Jun 2019 14:02

Tgt Ion: 75 Resp: 62329

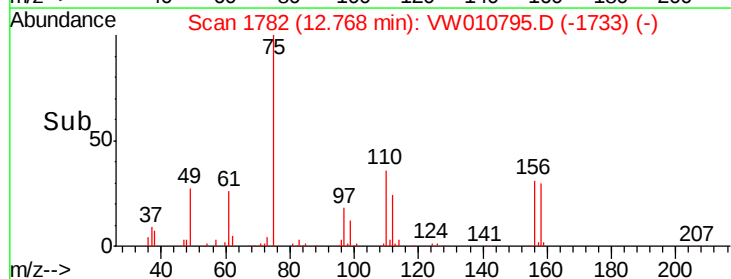
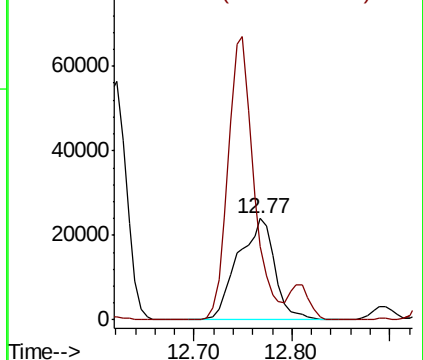
Ion Ratio Lower Upper

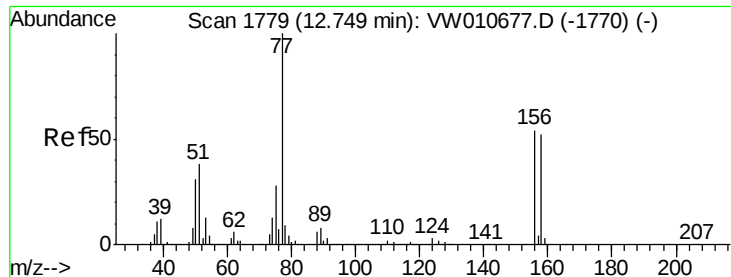
75 100

77 197.9 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: 20.423 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010795.D

Acq: 13 Jun 2019 14:02

Instrument :

MSVOA_W

ClientSampled :

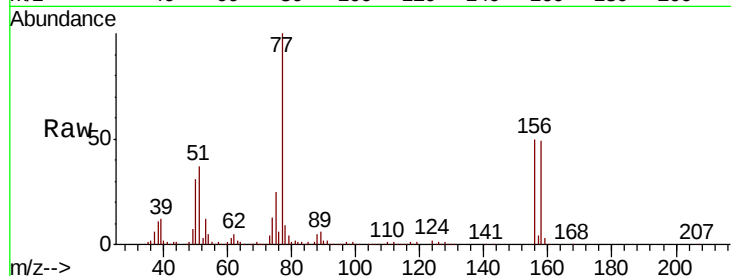
Tot Ion:156 Resp: 55436

Ion Ratio Lower Upper

156 100

77 222.5 106.5 319.4

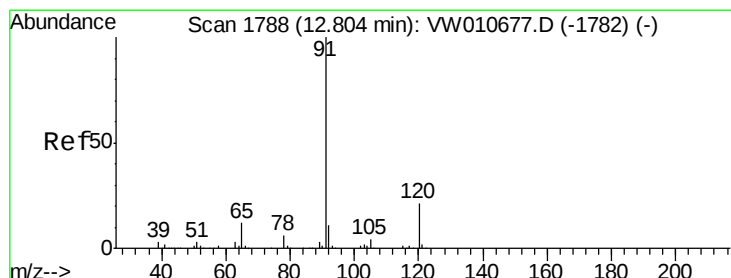
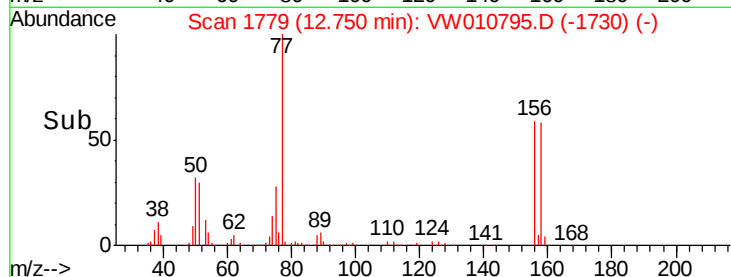
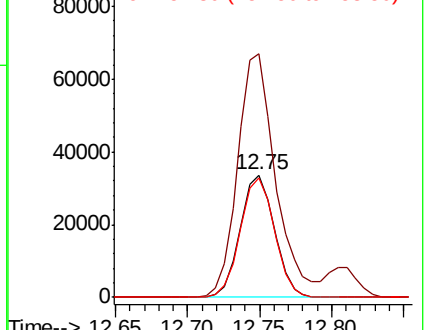
158 97.7 48.3 144.9



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: 21.271 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW010795.D

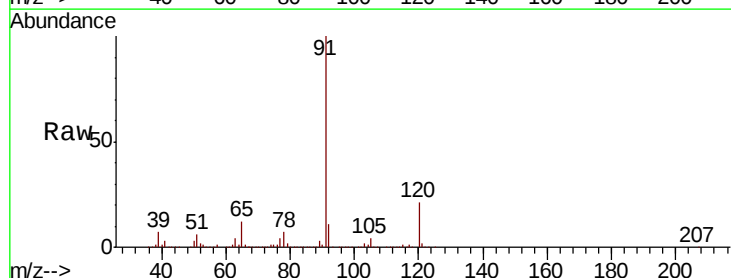
Acq: 13 Jun 2019 14:02

Tgt Ion: 91 Resp: 318949

Ion Ratio Lower Upper

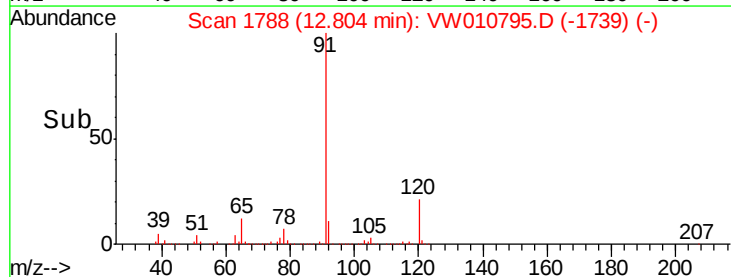
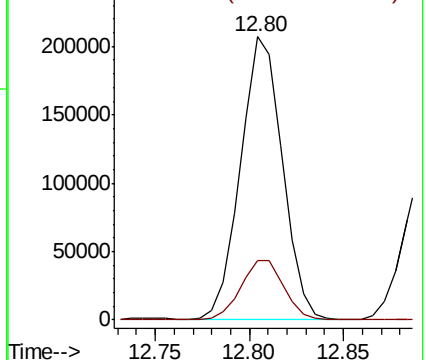
91 100

120 21.6 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.312 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW010795.D

Acq: 13 Jun 2019 14:02

Instrument :

MSVOA_W

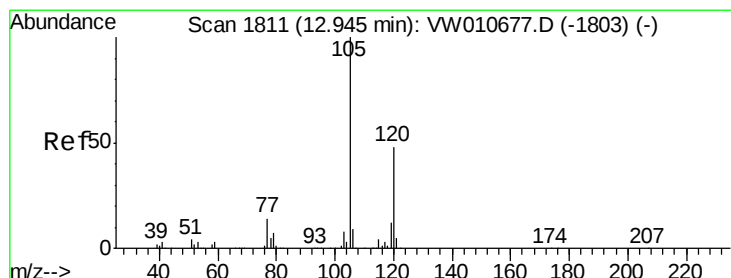
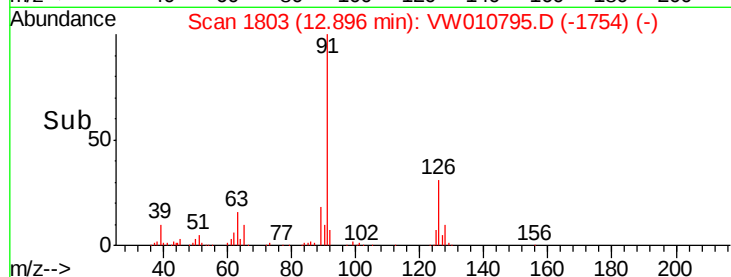
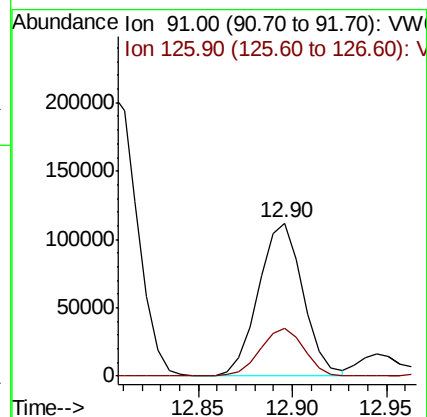
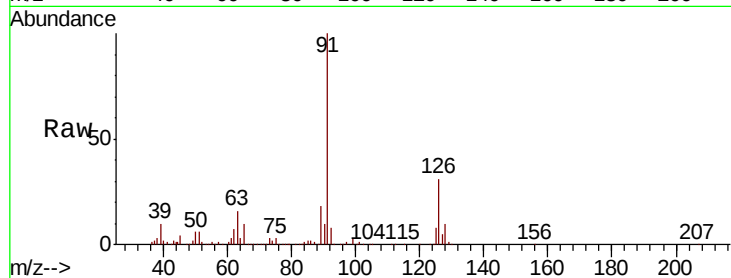
ClientSampleId :

Tot Ion: 91 Resp: 182569

Ion Ratio Lower Upper

91 100

126 31.0 15.7 47.0



#80

1,3,5-Trimethylbenzene

Concen: 21.196 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010795.D

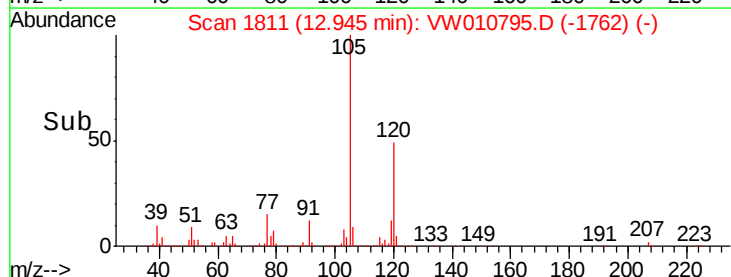
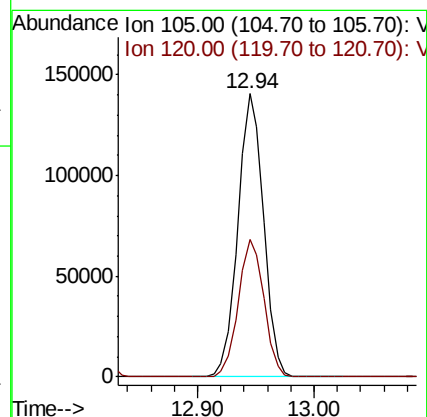
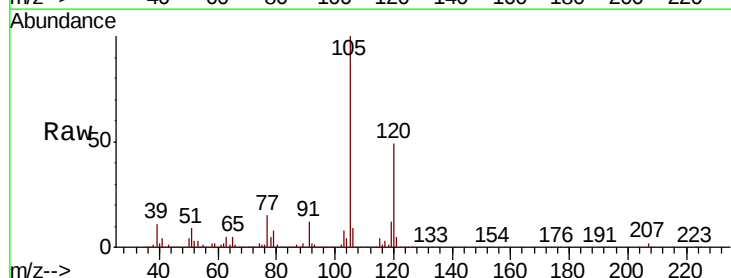
Acq: 13 Jun 2019 14:02

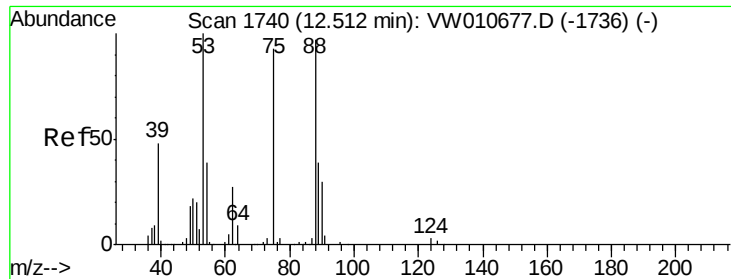
Tgt Ion:105 Resp: 215743

Ion Ratio Lower Upper

105 100

120 48.7 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.101 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW010795.D

Acq: 13 Jun 2019 14:02

Instrument :

MSVOA_W

ClientSampleId :

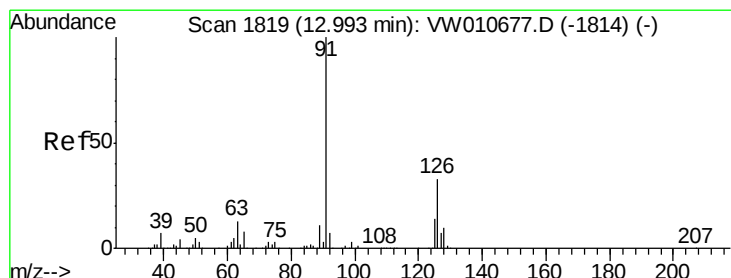
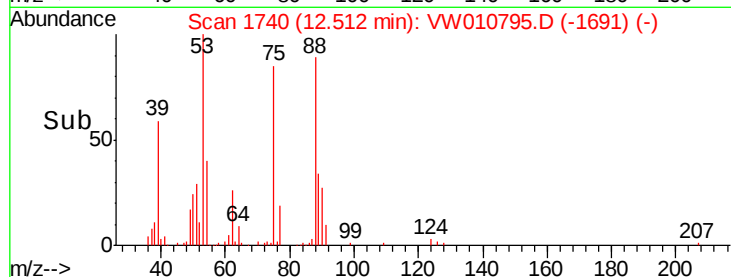
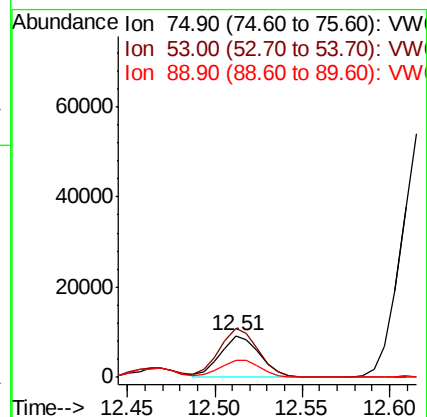
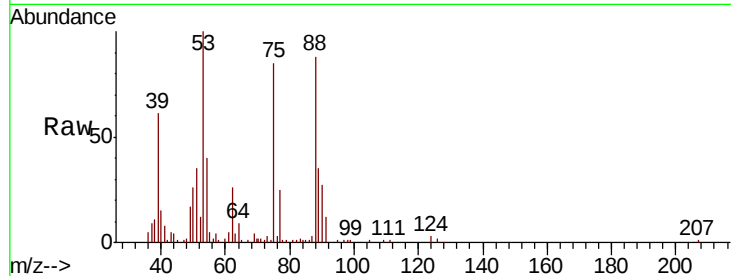
Tot Ion: 75 Resp: 14442

Ion Ratio Lower Upper

75 100

53 116.1 90.1 135.1

89 42.7 34.6 52.0



#82

4-Chlorotoluene

Concen: 21.281 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW010795.D

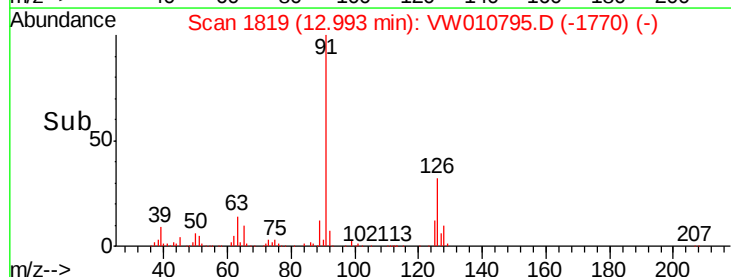
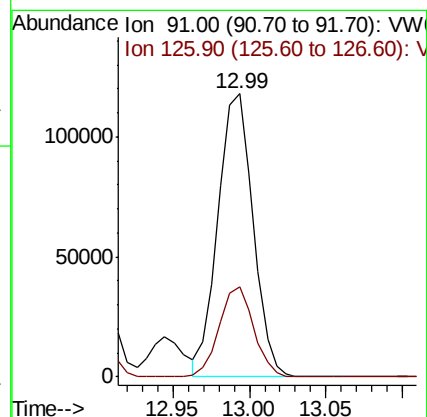
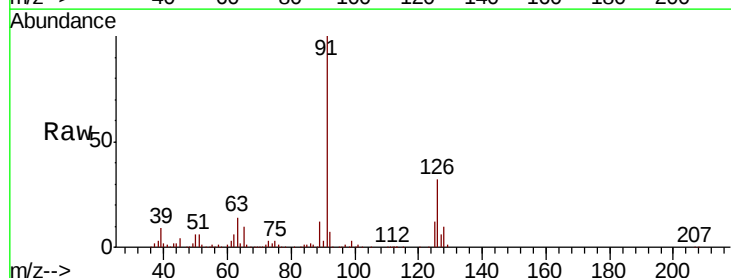
Acq: 13 Jun 2019 14:02

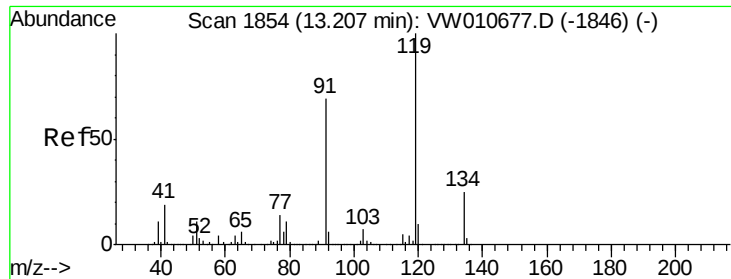
Tgt Ion: 91 Resp: 188133

Ion Ratio Lower Upper

91 100

126 31.5 15.9 47.7

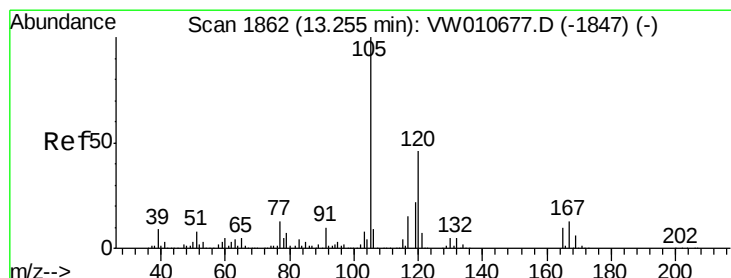
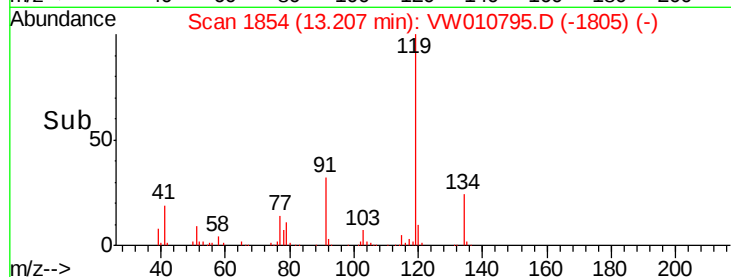
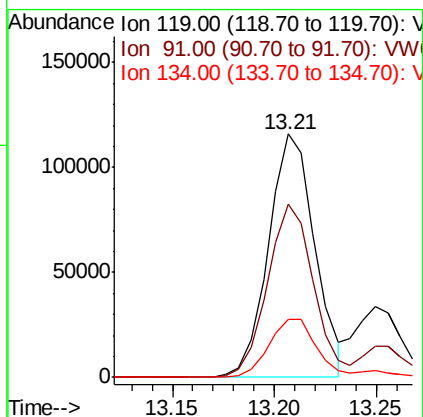
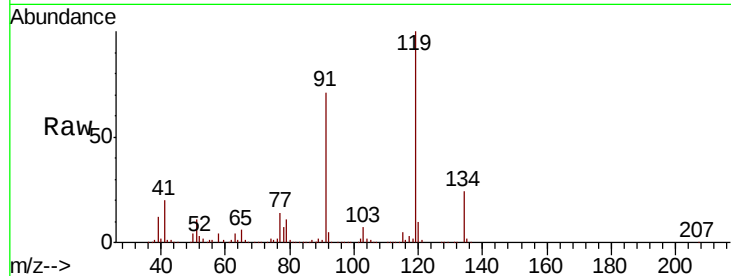




#83
 tert-Butylbenzene
 Concen: 21.226 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW010795.D
 Acq: 13 Jun 2019 14:02

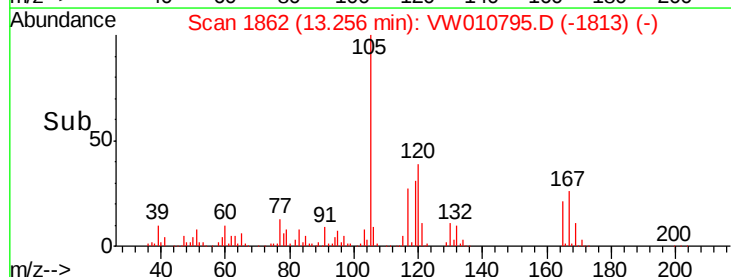
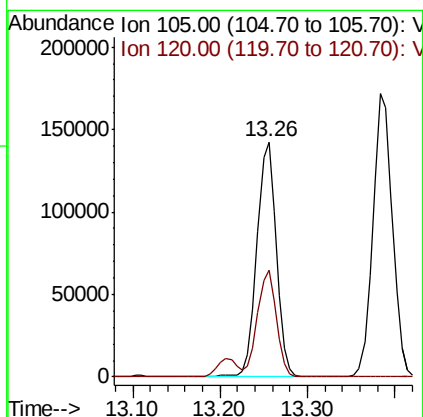
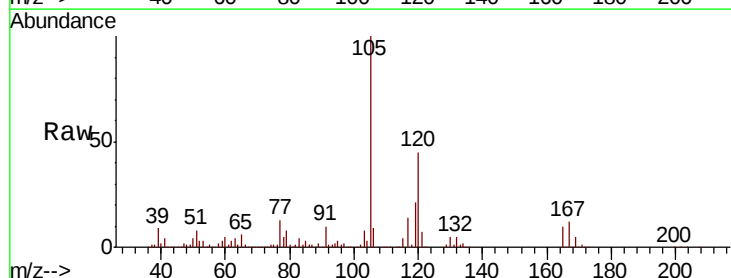
Instrument :
 MSVOA_W
 ClientSampled :

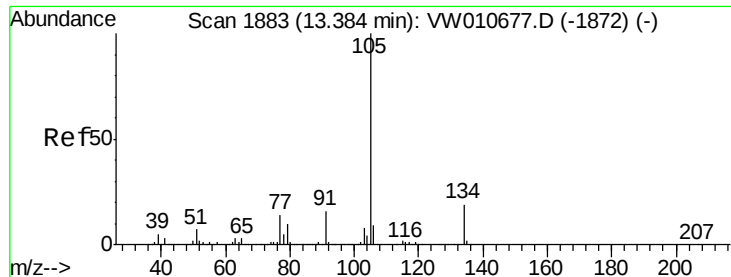
Tot Ion:119 Resp: 183355
 Ion Ratio Lower Upper
 119 100
 91 71.1 35.1 105.3
 134 24.6 13.6 40.7



#84
 1,2,4-Trimethylbenzene
 Concen: 21.379 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW010795.D
 Acq: 13 Jun 2019 14:02

Tgt Ion:105 Resp: 218971
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.5 67.5





#85

sec-Butylbenzene

Concen: 21.170 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW010795.D

Acq: 13 Jun 2019 14:02

Instrument :

MSVOA_W

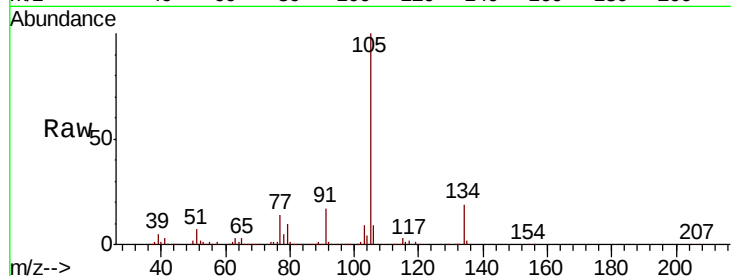
ClientSampleId :

Tot Ion:105 Resp: 266253

Ion Ratio Lower Upper

105 100

134 19.2 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

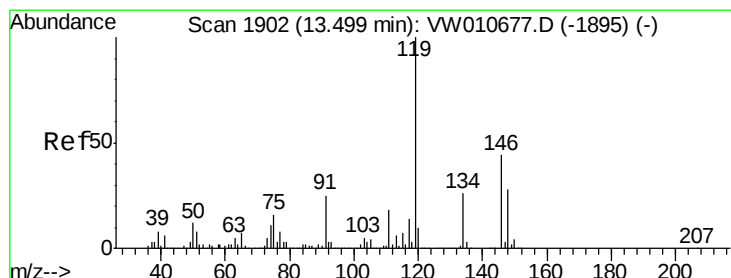
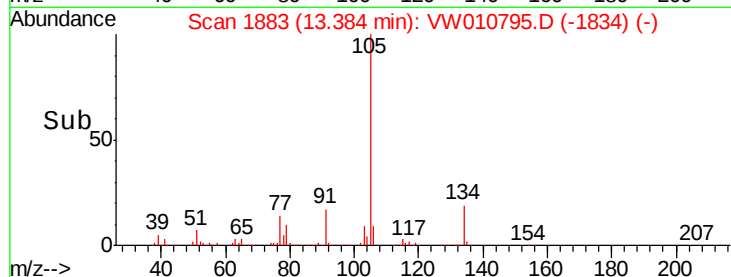
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.164 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010795.D

Acq: 13 Jun 2019 14:02

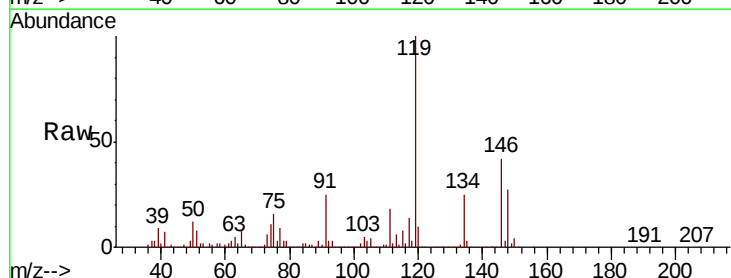
Tgt Ion:119 Resp: 238034

Ion Ratio Lower Upper

119 100

134 25.2 13.0 39.0

91 24.9 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

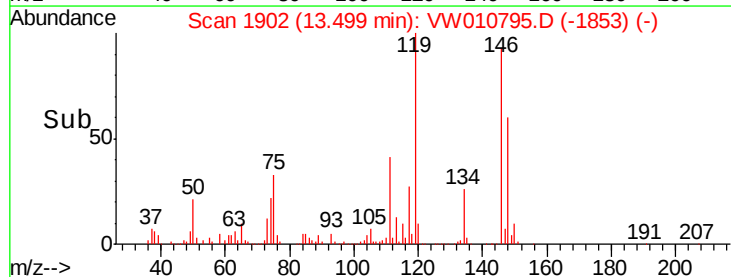
150000

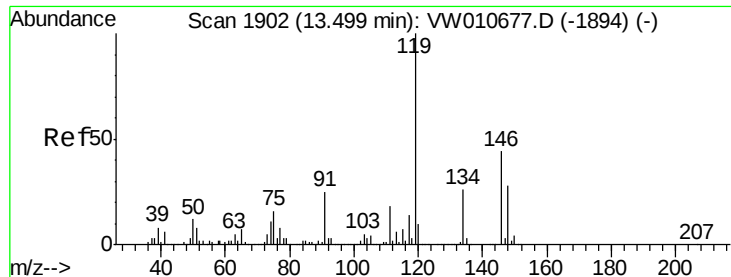
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 21.122 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010795.D

Acq: 13 Jun 2019 14:02

Instrument :

MSVOA_W

ClientSampleId :

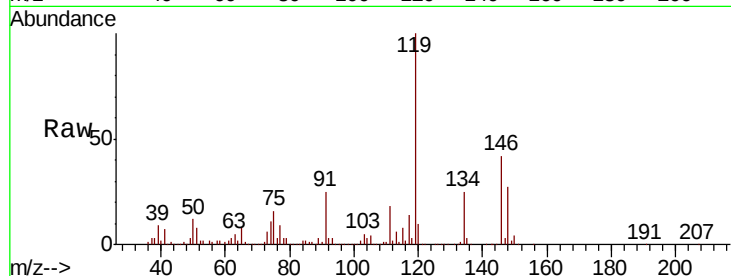
Tot Ion:146 Resp: 110567

Ion Ratio Lower Upper

146 100

111 42.0 20.4 61.3

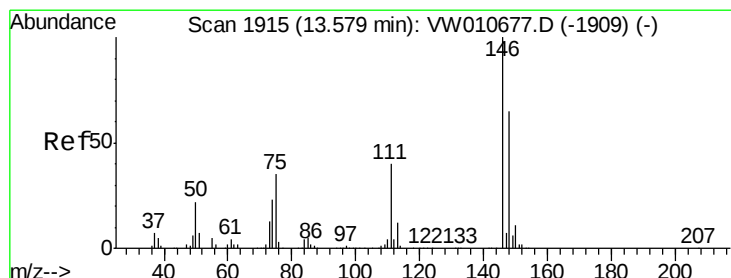
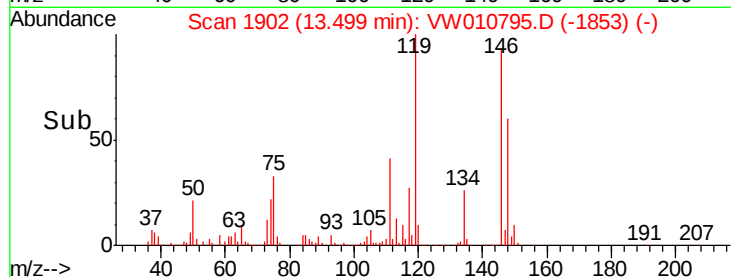
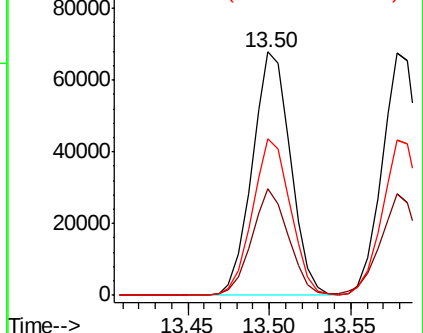
148 63.9 31.5 94.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.999 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW010795.D

Acq: 13 Jun 2019 14:02

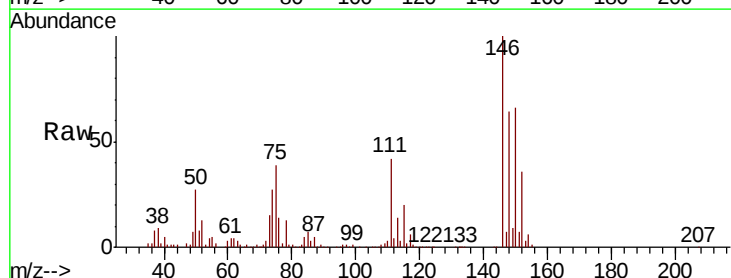
Tgt Ion:146 Resp: 108974

Ion Ratio Lower Upper

146 100

111 42.3 20.3 60.9

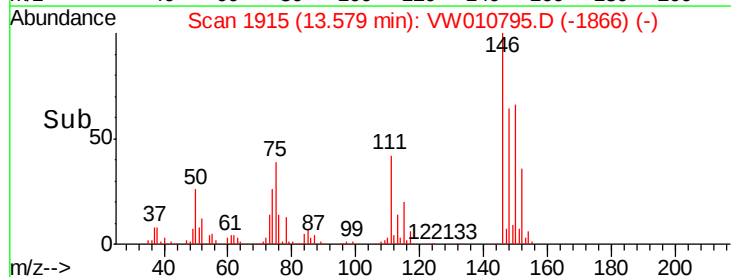
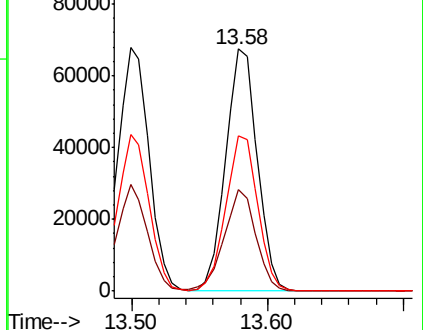
148 64.8 32.4 97.2

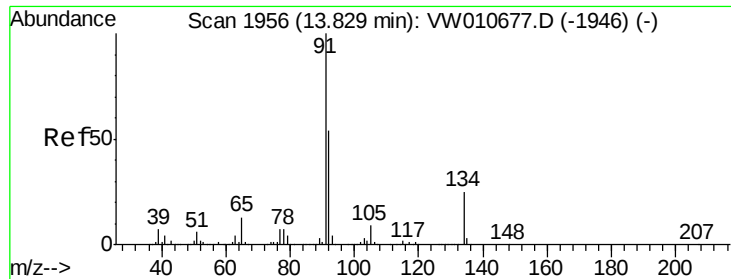


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 21.590 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW010795.D

Acq: 13 Jun 2019 14:02

Instrument :

MSVOA_W

ClientSampleId :

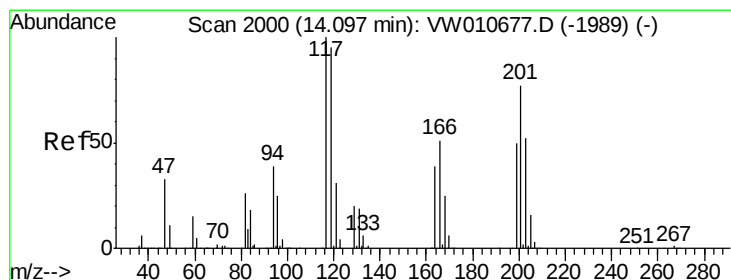
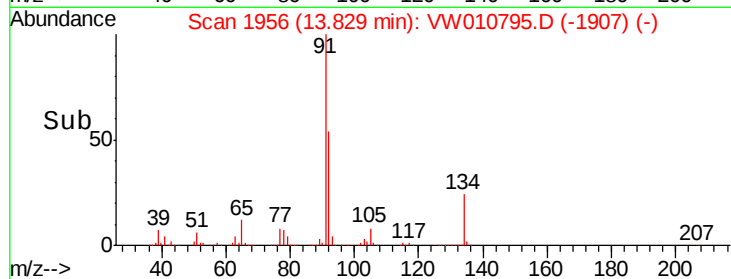
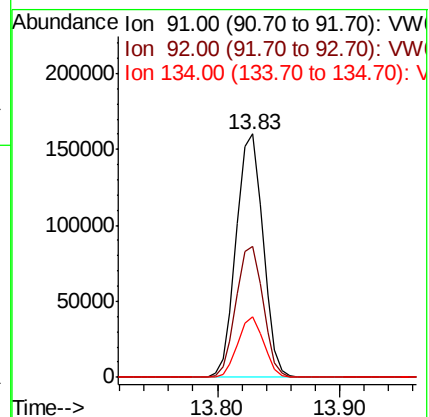
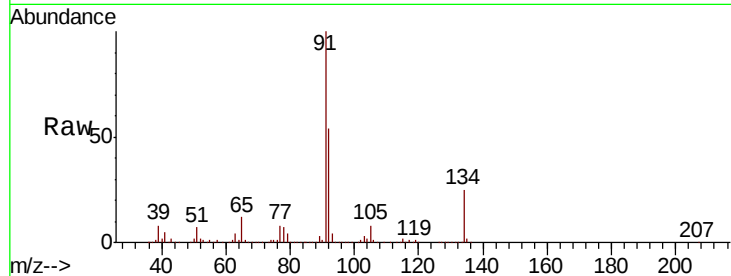
Tot Ion: 91 Resp: 242280

Ion Ratio Lower Upper

91 100

92 54.5 27.3 81.8

134 24.0 12.3 36.9



#90

Hexachloroethane

Concen: 20.374 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW010795.D

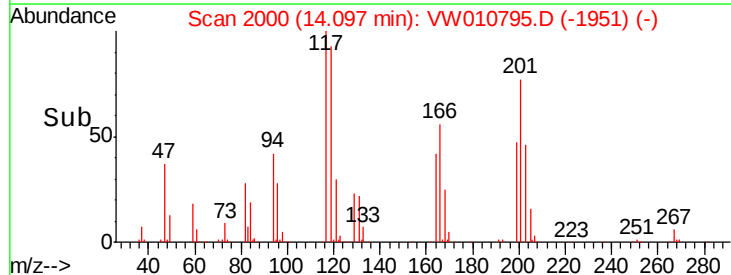
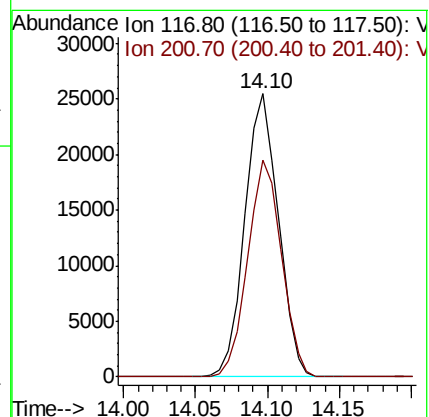
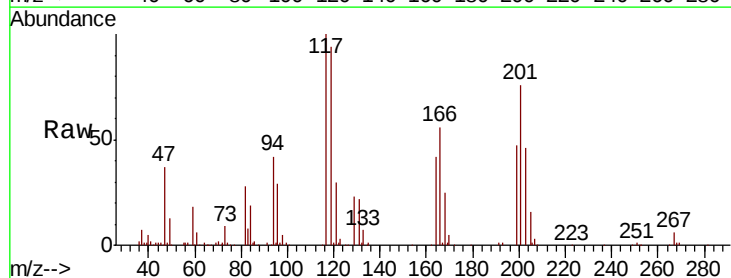
Acq: 13 Jun 2019 14:02

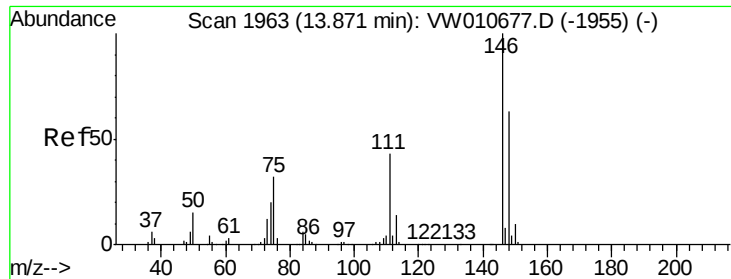
Tgt Ion: 117 Resp: 41036

Ion Ratio Lower Upper

117 100

201 77.3 38.8 116.4

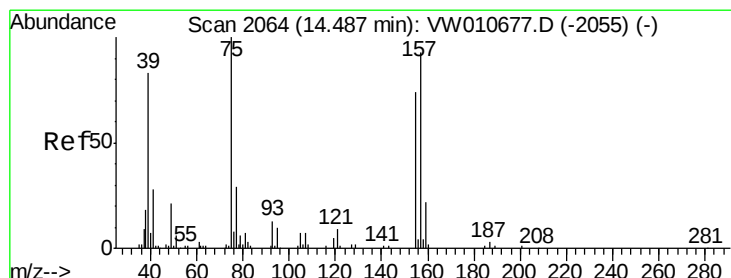
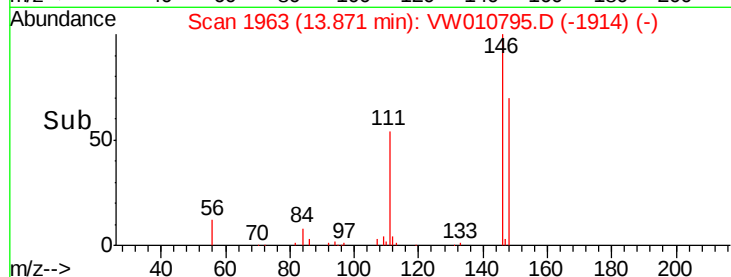
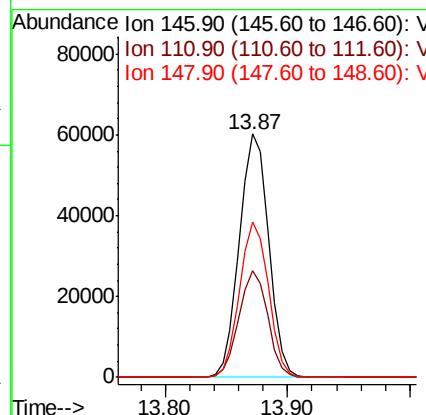
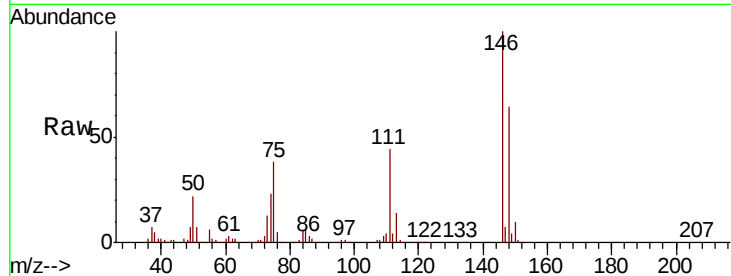




#91
 1,2-Dichlorobenzene
 Concen: 21.173 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010795.D
 Acq: 13 Jun 2019 14:02

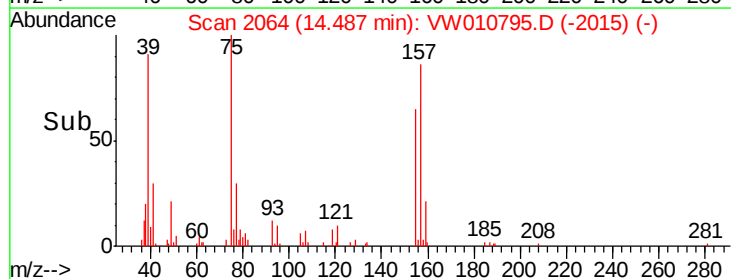
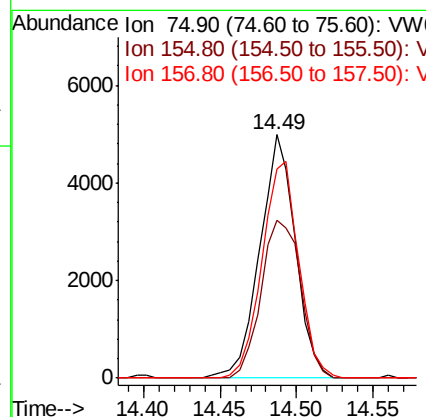
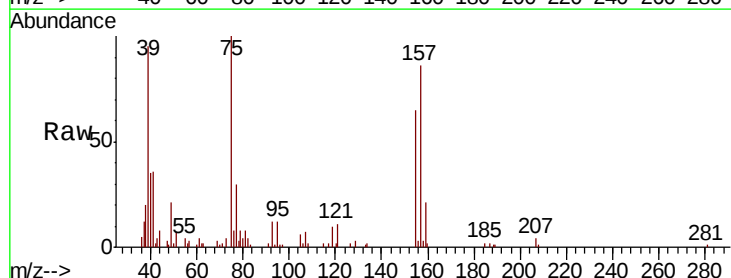
Instrument :
 MSVOA_W
 ClientSampleId :

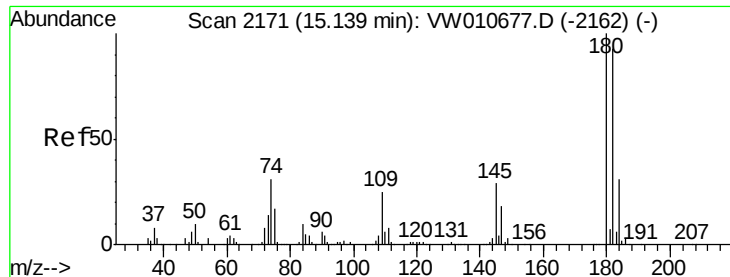
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.5	64.5
148	63.1	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.876 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010795.D
 Acq: 13 Jun 2019 14:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.0	38.8	116.4
157	91.7	48.4	145.0

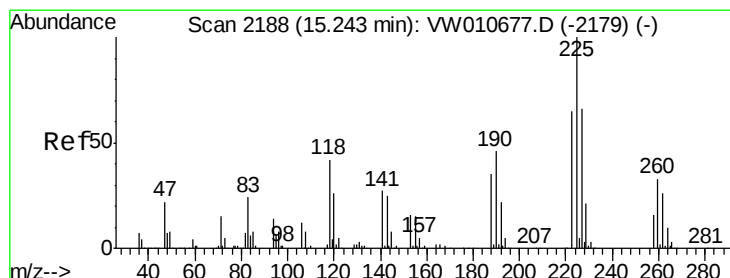
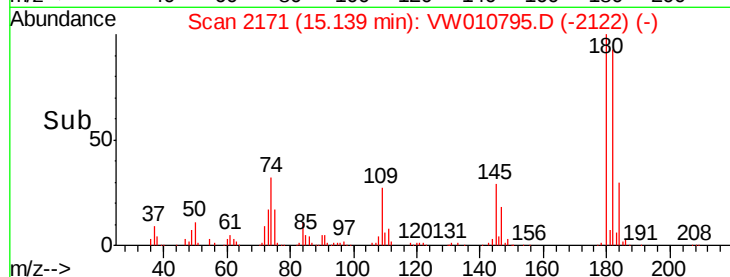
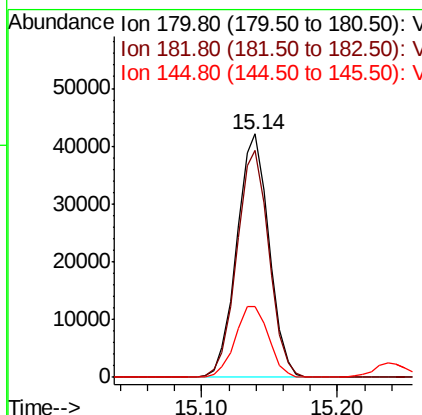
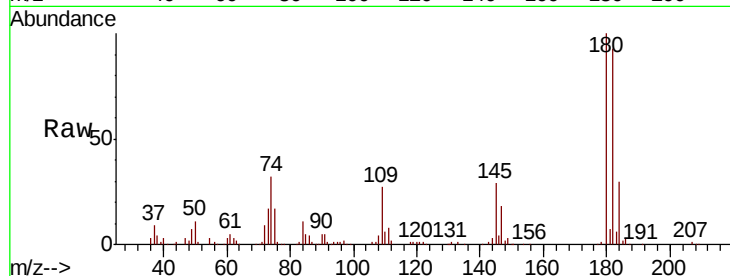




#93
 1,2,4-Trichlorobenzene
 Concen: 21.047 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010795.D
 Acq: 13 Jun 2019 14:02

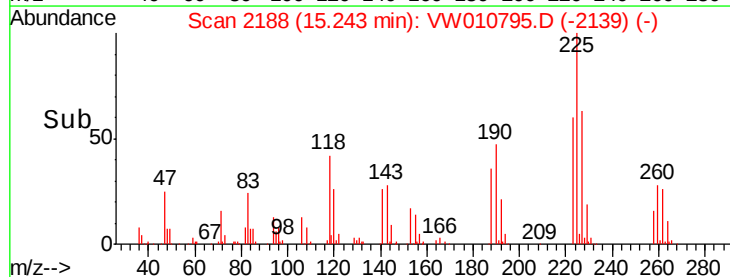
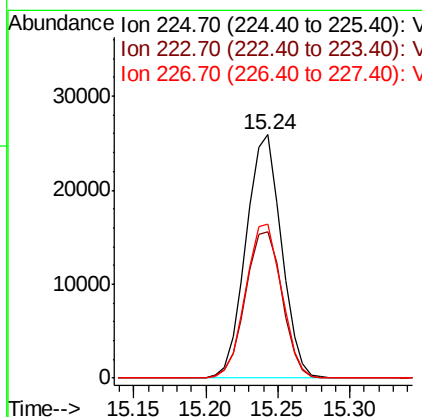
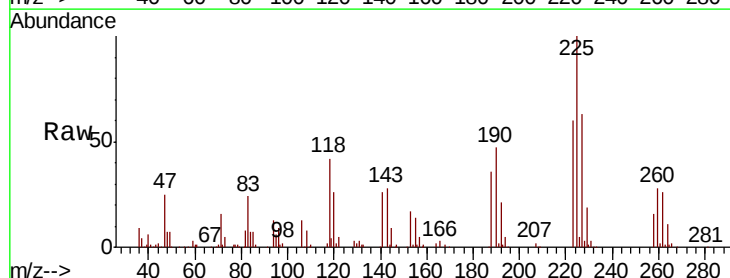
Instrument :
 MSVOA_W
 ClientSampleId :

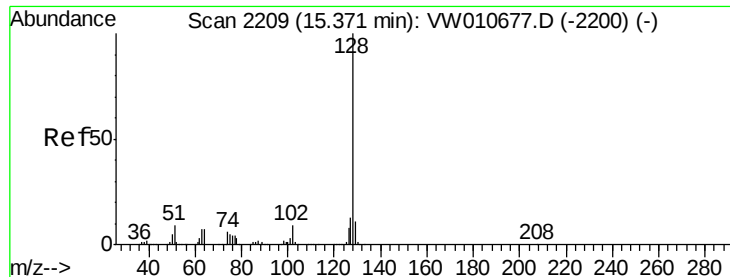
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.0	47.1	141.4
145	30.3	15.2	45.5



#94
 Hexachlorobutadiene
 Concen: 21.261 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW010795.D
 Acq: 13 Jun 2019 14:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	32.2	96.6
227	64.5	32.0	96.0





#95

Naphthalene

Concen: 19.556 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010795.D

Acq: 13 Jun 2019 14:02

Instrument :

MSVOA_W

ClientSampleId :

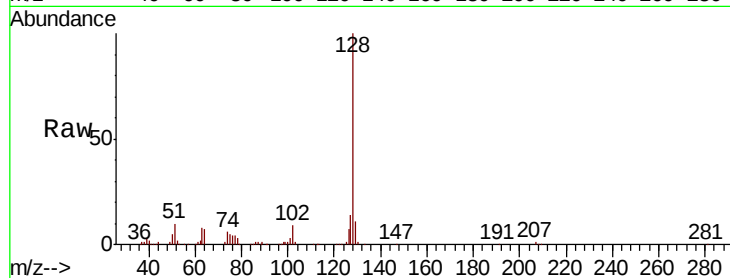
Tot Ion:128 Resp: 117377

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

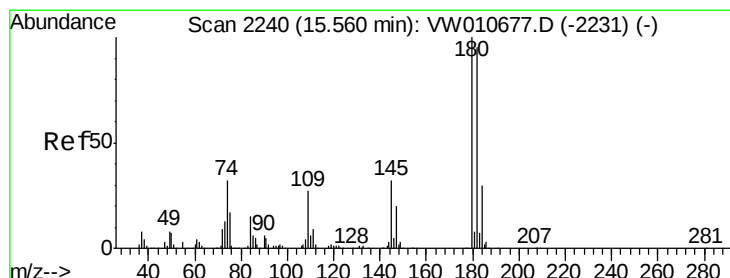
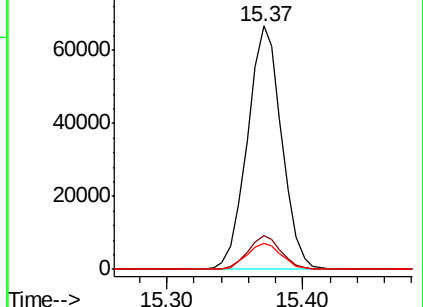
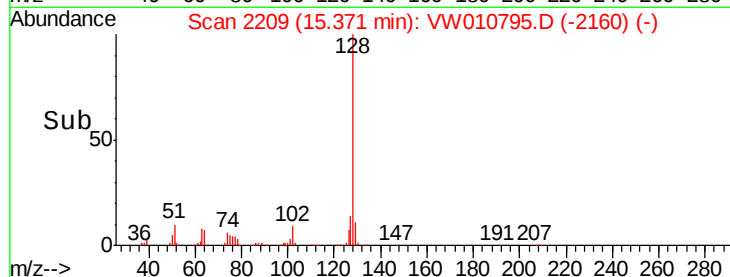
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.923 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW010795.D

Acq: 13 Jun 2019 14:02

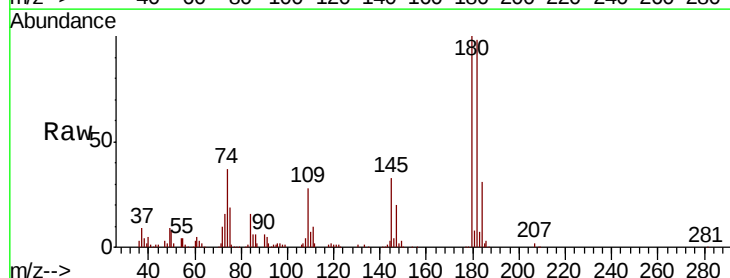
Tgt Ion:180 Resp: 58780

Ion Ratio Lower Upper

180 100

182 94.9 47.0 141.0

145 32.5 16.1 48.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

