

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061319\
 Data File : VW010791.D
 Acq On : 13 Jun 2019 12:15
 Operator : SY/VA
 Sample : VW0613SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0613SBS01

Quant Time: Jun 14 08:08:18 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	221741	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	355631	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	315039	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	151385	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	133175	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
35) Dibromofluoromethane	7.88	113	104097	53.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.86%	
50) Toluene-d8	10.32	98	446138	52.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.42%	
62) 4-Bromofluorobenzene	12.62	95	163292	53.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	40865	19.943	ug/l	97
3) Chloromethane	2.21	50	60425	20.043	ug/l	100
4) Vinyl Chloride	2.35	62	54600	19.602	ug/l	97
5) Bromomethane	2.75	94	30804	20.139	ug/l	92
6) Chloroethane	2.90	64	32780	19.606	ug/l	99
7) Trichlorofluoromethane	3.25	101	75700	20.936	ug/l	100
8) Diethyl Ether	3.68	74	23424	18.128	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.06	101	46980	21.134	ug/l	98
10) Methyl Iodide	4.27	142	34177	18.291	ug/l	99
11) Tert butyl alcohol	5.17	59	30051	141.135	ug/l #	91
12) 1,1-Dichloroethene	4.03	96	43366	20.223	ug/l	97
13) Acrolein	3.90	56	5771	66.328	ug/l	96
14) Allyl chloride	4.67	41	94681	20.025	ug/l	98
15) Acrylonitrile	5.37	53	54696	87.131	ug/l	99
16) Acetone	4.12	43	64539	92.158	ug/l	96
17) Carbon Disulfide	4.37	76	128927	18.940	ug/l	99
18) Methyl Acetate	4.67	43	28201	18.707	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	113095	18.286	ug/l	99
20) Methylene Chloride	4.92	84	48394	19.698	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	49073	20.159	ug/l	99
22) Diisopropyl ether	6.31	45	190393	20.113	ug/l	97
23) Vinyl Acetate	6.26	43	523644	91.663	ug/l	99
24) 1,1-Dichloroethane	6.21	63	96617	20.367	ug/l	98
25) 2-Butanone	7.17	43	88876	91.523	ug/l	99
26) 2,2-Dichloropropane	7.17	77	88904	23.031	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	53497	19.969	ug/l	94
28) Bromochloromethane	7.51	49	40013	18.900	ug/l	96
29) Tetrahydrofuran	7.53	42	52339	85.689	ug/l	99
30) Chloroform	7.68	83	87455	20.155	ug/l	99
31) Cyclohexane	7.95	56	109769	20.816	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	78121	20.611	ug/l	99
36) 1,1-Dichloropropene	8.08	75	77224	21.214	ug/l	99
37) Ethyl Acetate	7.26	43	36940	18.312	ug/l	98
38) Carbon Tetrachloride	8.07	117	66778	21.250	ug/l	98

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Quant Time: Jun 14 08:08:18 2019
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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	99598	21.522	ug/l	98
40) Benzene	8.32	78	206768	20.821	ug/l	99
41) Methacrylonitrile	7.48	41	21038	17.546	ug/l	97
42) 1,2-Dichloroethane	8.40	62	63362	20.103	ug/l	99
43) Isopropyl Acetate	8.42	43	70243	18.024	ug/l	98
44) Trichloroethene	9.09	130	50213	20.497	ug/l	97
45) 1,2-Dichloropropane	9.37	63	54444	20.710	ug/l	97
46) Dibromomethane	9.46	93	23574	19.307	ug/l	97
47) Bromodichloromethane	9.65	83	62201	19.652	ug/l	95
48) Methyl methacrylate	9.44	41	33419	17.785	ug/l	99
49) 1,4-Dioxane	9.45	88	7109	372.389	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	178000	89.404	ug/l	99
52) Toluene	10.39	92	127267	20.828	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	64886	19.355	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	77271	19.588	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	33160	18.851	ug/l	99
56) Ethyl methacrylate	10.65	69	48545	17.935	ug/l	96
57) 1,3-Dichloropropane	10.93	76	64017	19.312	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	137654	97.097	ug/l	99
59) 2-Hexanone	10.97	43	124191	86.309	ug/l	98
60) Dibromochloromethane	11.13	129	35853	18.387	ug/l	97
61) 1,2-Dibromoethane	11.24	107	30794	18.477	ug/l	100
64) Tetrachloroethene	10.87	164	42097	20.125	ug/l	98
65) Chlorobenzene	11.66	112	126846	20.475	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	43225	20.156	ug/l	99
67) Ethyl Benzene	11.73	91	250754	21.061	ug/l	99
68) m/p-Xylenes	11.84	106	180102	42.256	ug/l	99
69) o-Xylene	12.16	106	83420	20.637	ug/l	96
70) Styrene	12.18	104	140569	20.018	ug/l	98
71) Bromoform	12.35	173	19387	17.479	ug/l	# 99
73) Isopropylbenzene	12.47	105	248622	21.855	ug/l	99
74) N-amyl acetate	12.27	43	67798	18.441	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	38877	17.951	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	29410m	18.500	ug/l	
77) Bromobenzene	12.75	156	50435	20.310	ug/l	99
78) n-propylbenzene	12.80	91	302906	22.082	ug/l	100
79) 2-Chlorotoluene	12.90	91	169014	21.567	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	206246	22.150	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	11251	16.266	ug/l	92
82) 4-Chlorotoluene	12.99	91	173580	21.463	ug/l	99
83) tert-Butylbenzene	13.21	119	183593	23.232	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	206952	22.087	ug/l	99
85) sec-Butylbenzene	13.38	105	262914	22.851	ug/l	100
86) p-Isopropyltoluene	13.50	119	231459	22.496	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	102748	21.456	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	99902	21.043	ug/l	99
89) n-Butylbenzene	13.83	91	235835	22.973	ug/l	99
90) Hexachloroethane	14.10	117	41033	22.269	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	90086	20.919	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6544	17.596	ug/l	95

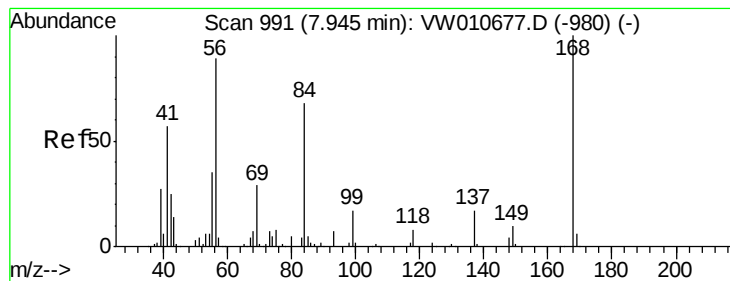
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061319\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	64460	21.330	ug/l	100
94) Hexachlorobutadiene	15.24	225	41493	21.877	ug/l	99
95) Naphthalene	15.37	128	96925	17.652	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	54927	21.371	ug/l	100

(#) = 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: VW010791.D

Acq: 13 Jun 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

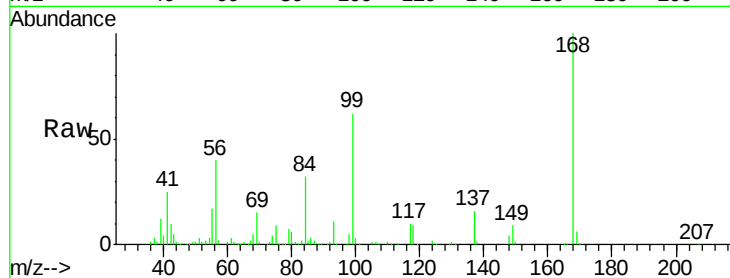
VW0613SBS01

Tot Ion:168 Resp: 221741

Ion Ratio Lower Upper

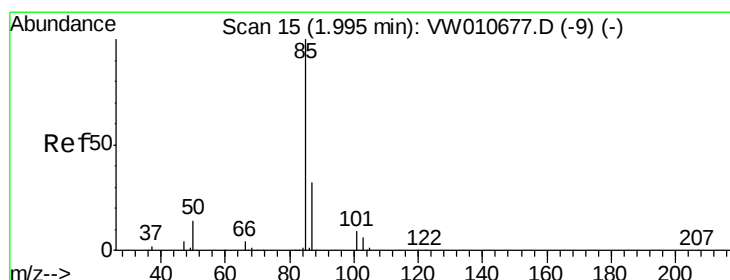
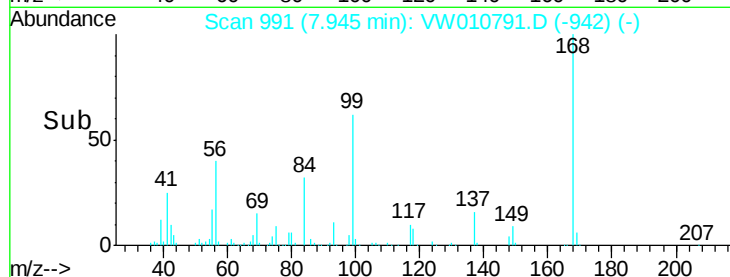
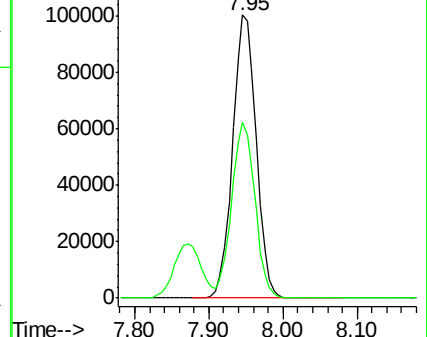
168 100

99 62.3 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): VW010791.D (-942) (-)

Ion 98.90 (98.60 to 99.60): VW010791.D (-942) (-)



#2

Dichlorodifluoromethane

Concen: 19.943 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW010791.D

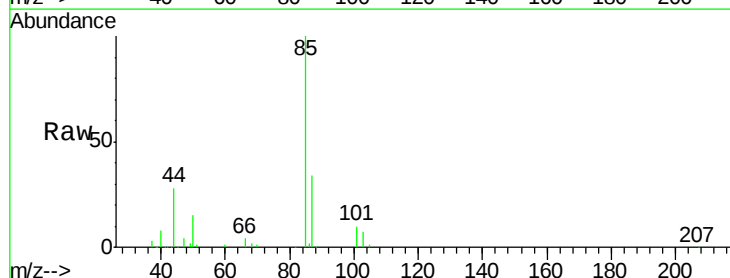
Acq: 13 Jun 2019 12:15

Tgt Ion: 85 Resp: 40865

Ion Ratio Lower Upper

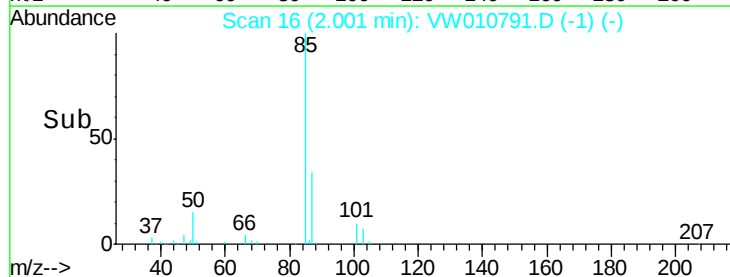
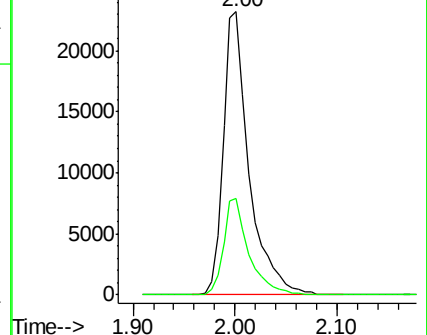
85 100

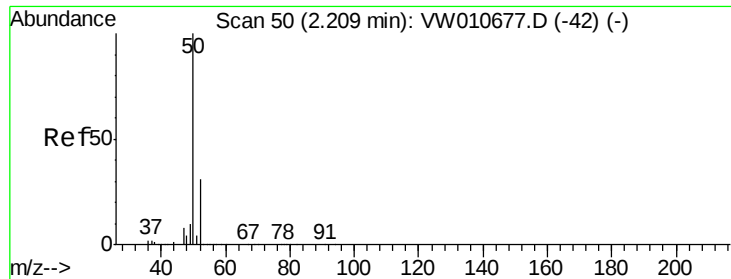
87 34.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW010791.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VW010791.D (-1) (-)





#3

Chloromethane

Concen: 20.043 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW010791.D

Acq: 13 Jun 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

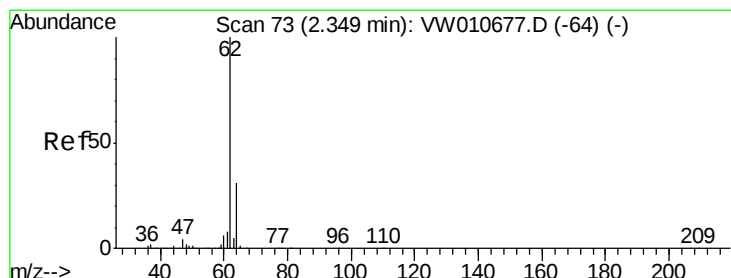
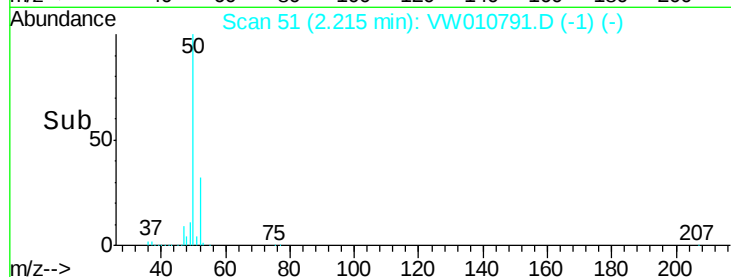
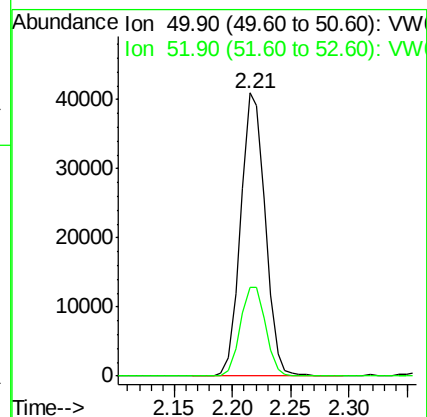
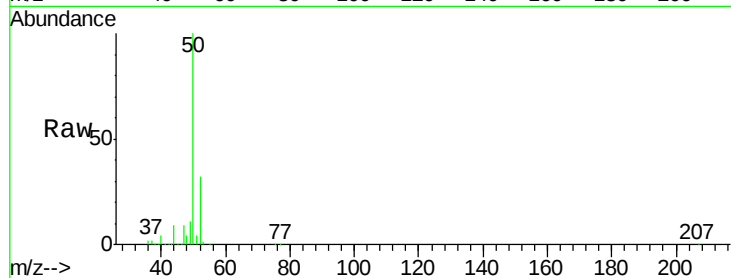
VW0613SBS01

Tot Ion: 50 Resp: 60425

Ion Ratio Lower Upper

50 100

52 31.5 25.2 37.8



#4

Vinyl Chloride

Concen: 19.602 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.01 min

Lab File: VW010791.D

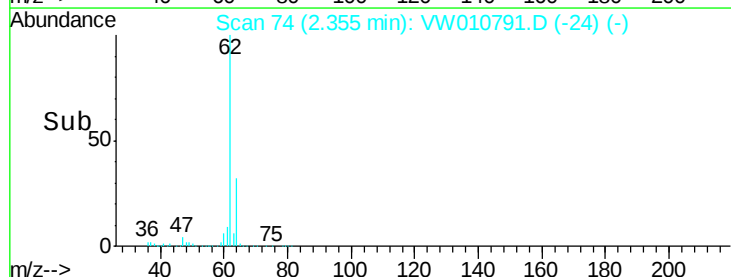
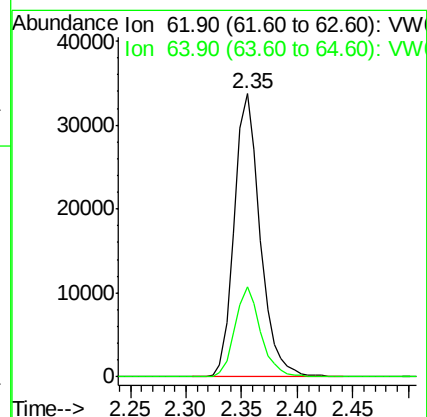
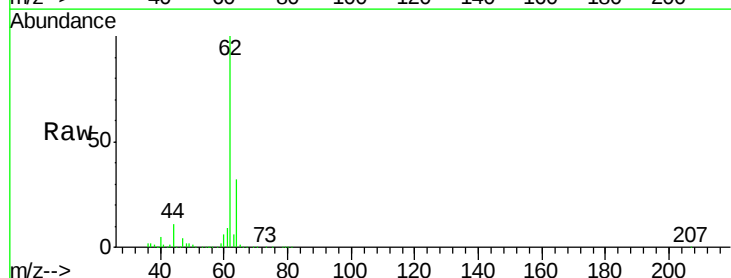
Acq: 13 Jun 2019 12:15

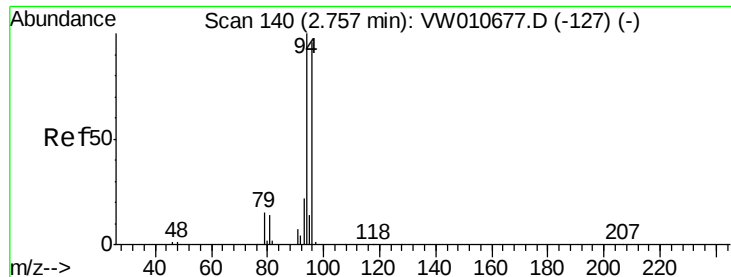
Tgt Ion: 62 Resp: 54600

Ion Ratio Lower Upper

62 100

64 32.0 24.5 36.7





#5

Bromomethane

Concen: 20.139 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.01 min

Lab File: VW010791.D

Acq: 13 Jun 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

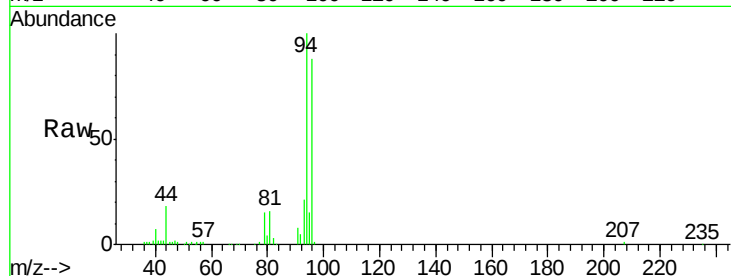
VW0613SBS01

Tot Ion: 94 Resp: 30804

Ion Ratio Lower Upper

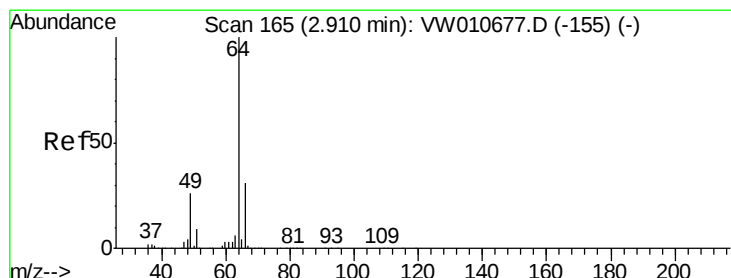
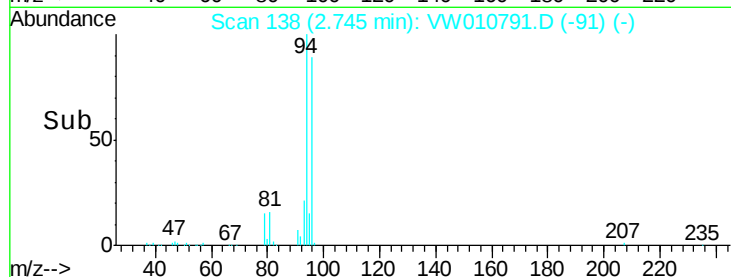
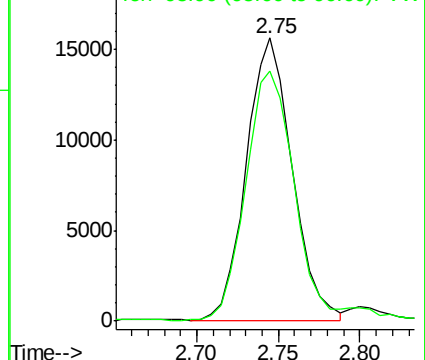
94 100

96 87.9 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: 19.606 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW010791.D

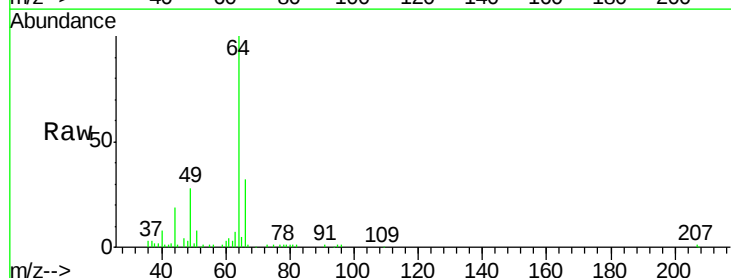
Acq: 13 Jun 2019 12:15

Tgt Ion: 64 Resp: 32780

Ion Ratio Lower Upper

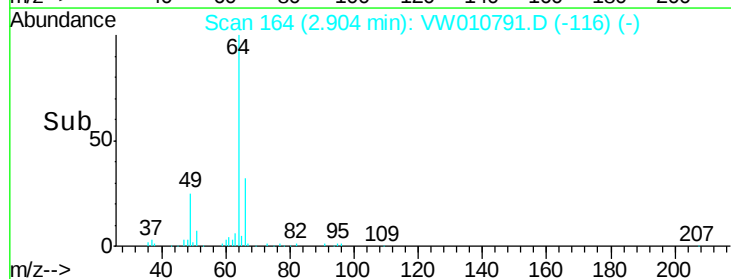
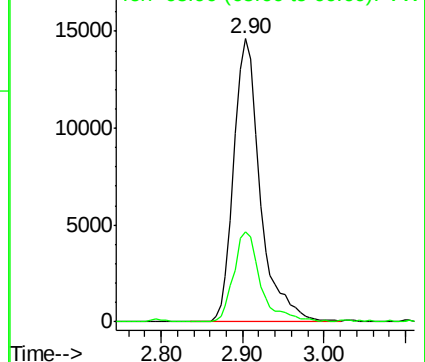
64 100

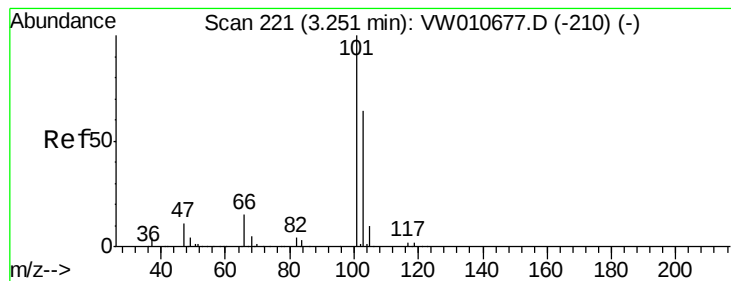
66 32.0 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



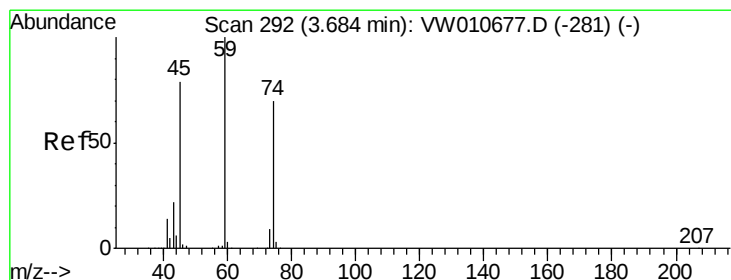
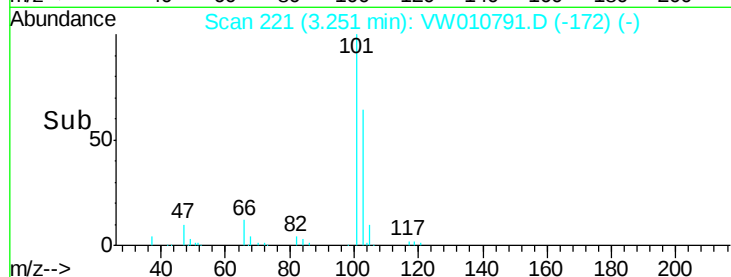
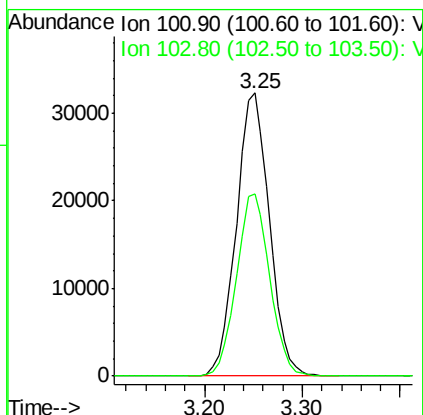
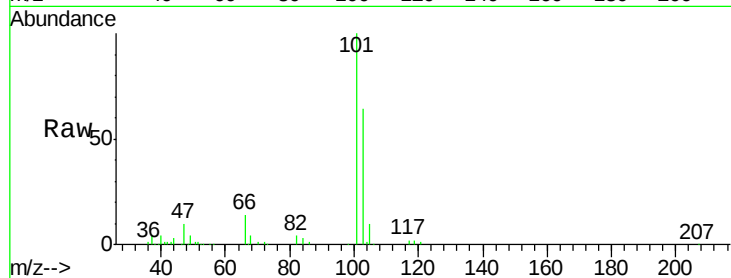


#7

Trichlorofluoromethane
 Concen: 20.936 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010791.D
 Acq: 13 Jun 2019 12:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0613SBS01

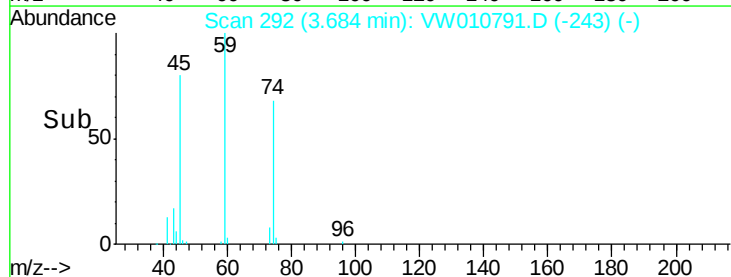
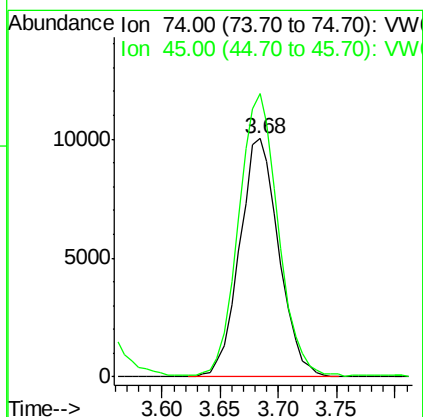
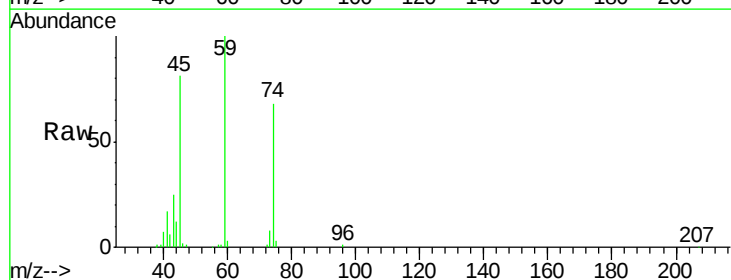
Tot Ion:101 Resp: 75700
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.2 76.8

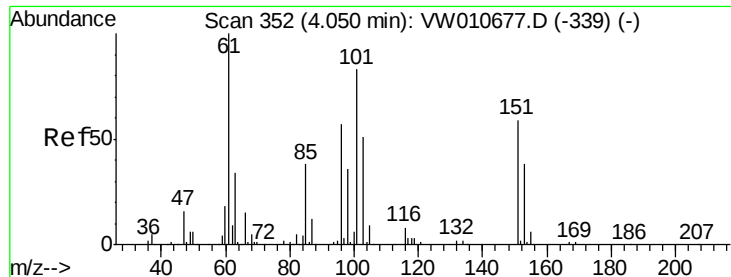


#8

Diethyl Ether
 Concen: 18.128 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW010791.D
 Acq: 13 Jun 2019 12:15

Tgt Ion: 74 Resp: 23424
 Ion Ratio Lower Upper
 74 100
 45 121.0 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.134 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010791.D

Acq: 13 Jun 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

VW0613SBS01

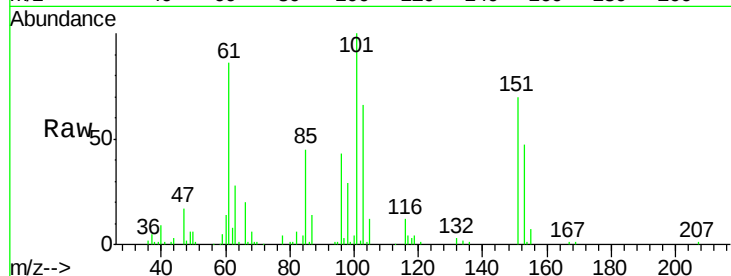
Tot Ion:101 Resp: 46980

Ion Ratio Lower Upper

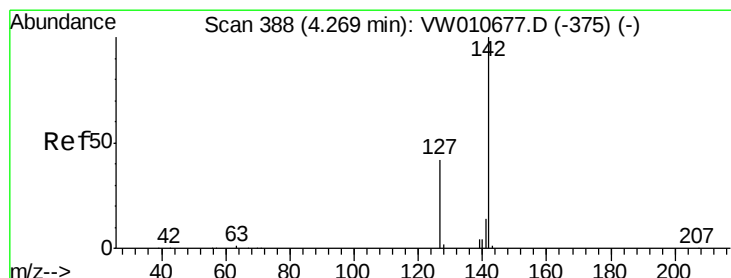
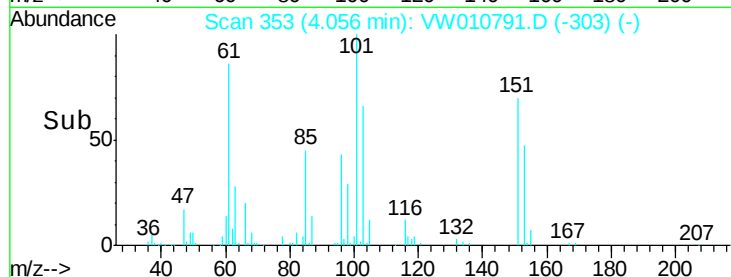
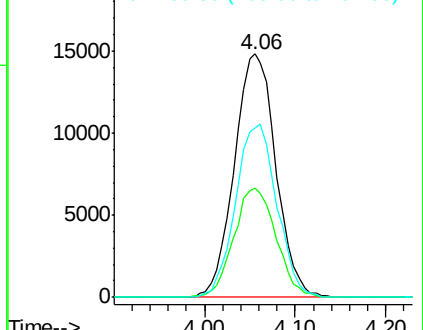
101 100

85 45.6 35.8 53.8

151 70.8 58.1 87.1



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



#10

Methyl Iodide

Concen: 18.291 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW010791.D

Acq: 13 Jun 2019 12:15

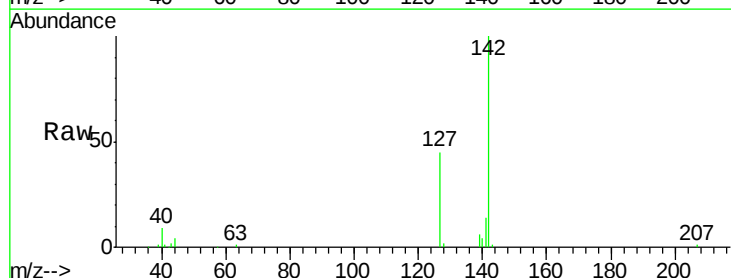
Tgt Ion:142 Resp: 34177

Ion Ratio Lower Upper

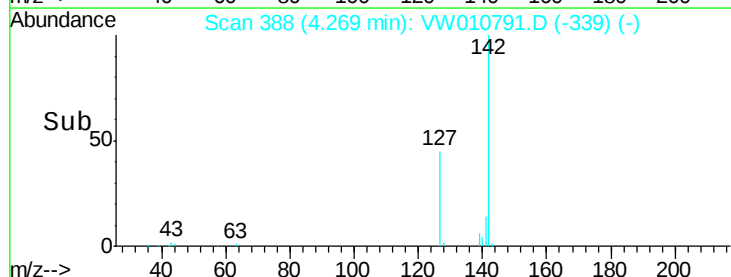
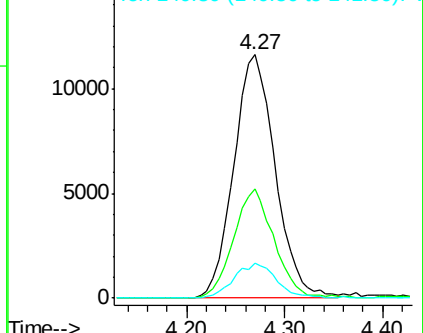
142 100

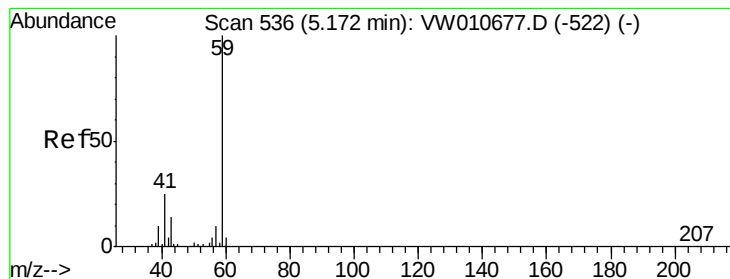
127 44.0 34.6 51.8

141 14.5 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



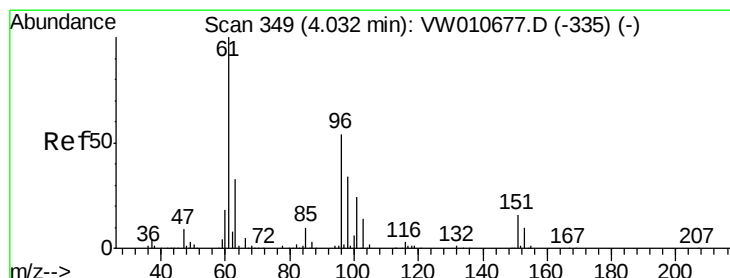
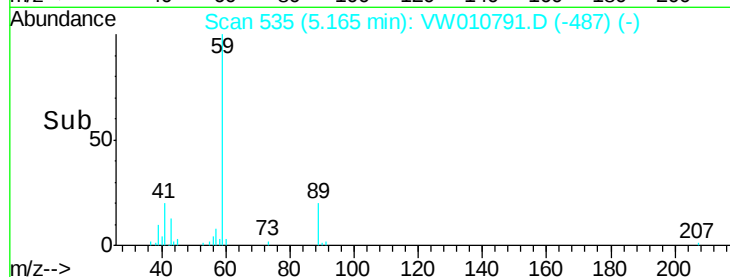
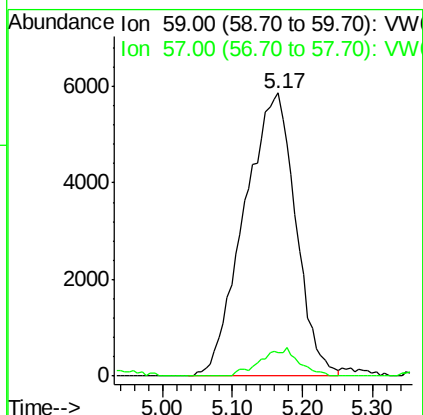
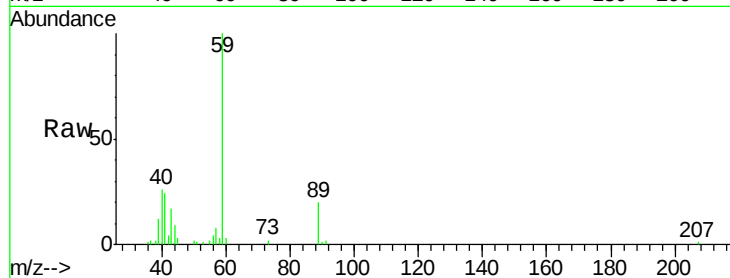


#11

Tert butyl alcohol
Concen: 141.135 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW010791.D
Acq: 13 Jun 2019 12:15

Instrument :
MSVOA_W
ClientSampleId :
VW0613SBS01

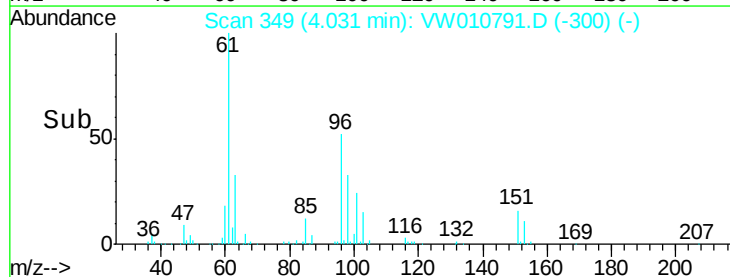
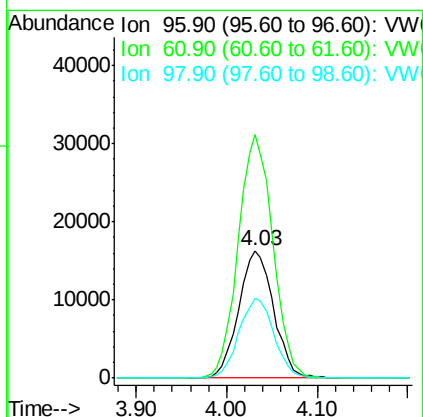
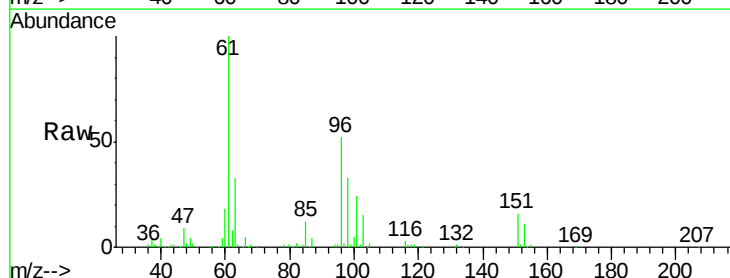
Tot Ion: 59 Resp: 30051
Ion Ratio Lower Upper
59 100
57 7.3 8.6 12.8#

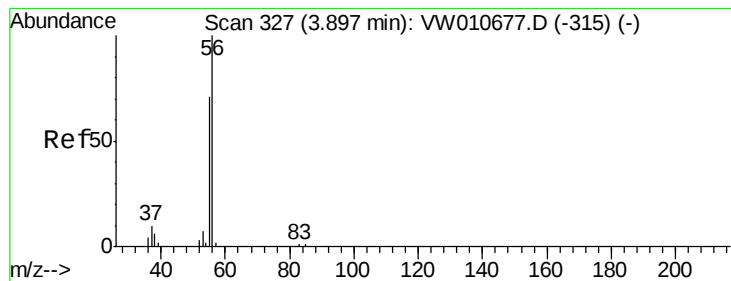


#12

1,1-Dichloroethene
Concen: 20.223 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW010791.D
Acq: 13 Jun 2019 12:15

Tgt Ion: 96 Resp: 43366
Ion Ratio Lower Upper
96 100
61 191.5 149.1 223.7
98 63.1 51.1 76.7





#13

Acrolein

Concen: 66.328 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW010791.D

Acq: 13 Jun 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

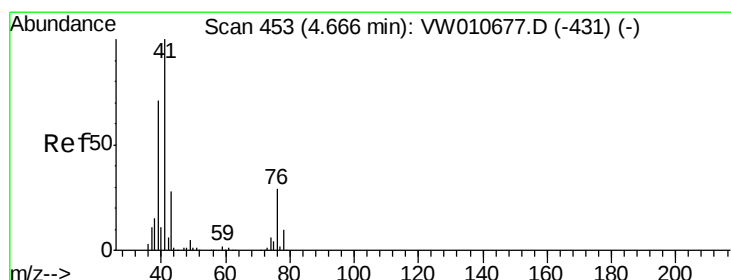
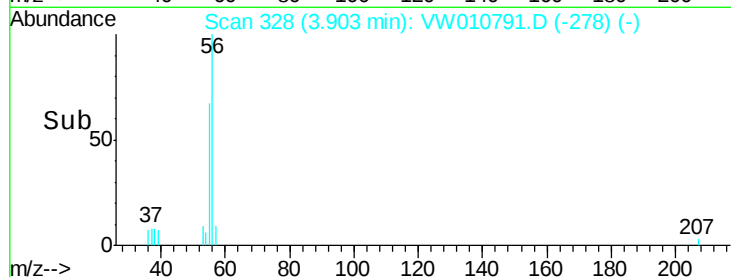
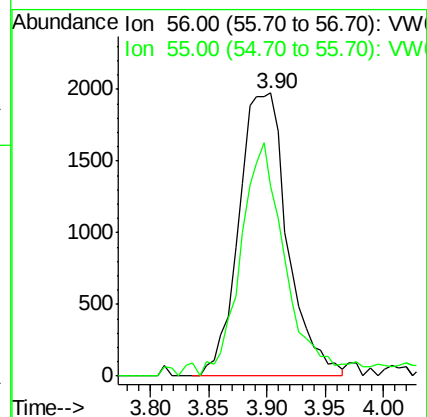
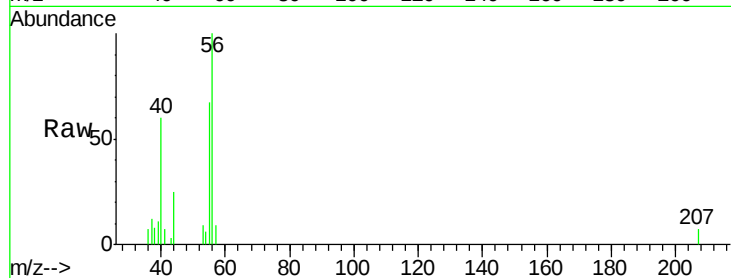
VW0613SBS01

Tot Ion: 56 Resp: 5771

Ion Ratio Lower Upper

56 100

55 75.0 57.6 86.4



#14

Allyl chloride

Concen: 20.025 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW010791.D

Acq: 13 Jun 2019 12:15

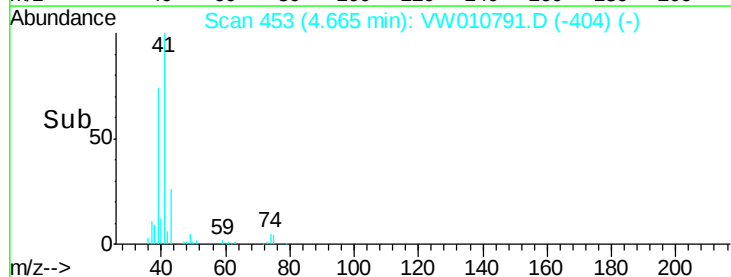
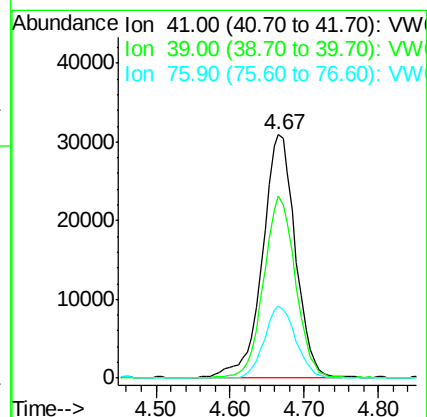
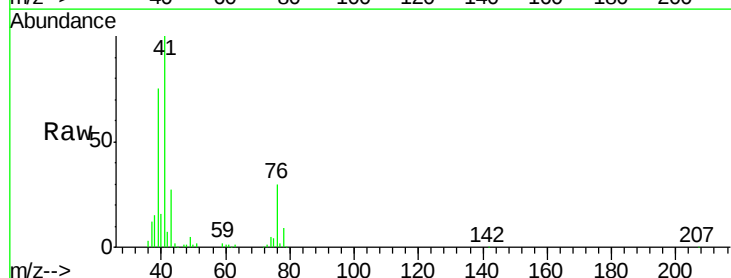
Tgt Ion: 41 Resp: 94681

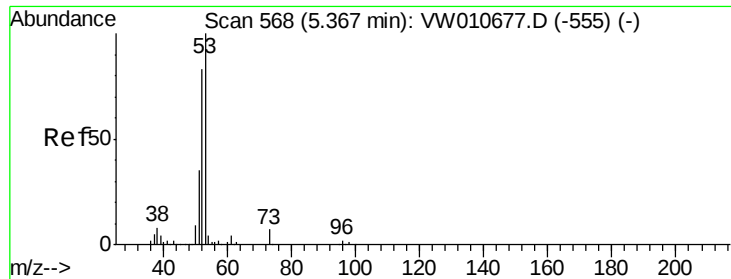
Ion Ratio Lower Upper

41 100

39 72.0 55.8 83.6

76 28.6 22.7 34.1





#15

Acrylonitrile

Concen: 87.131 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010791.D

Acq: 13 Jun 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

VW0613SBS01

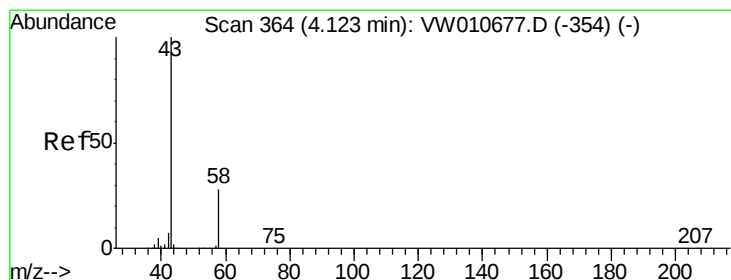
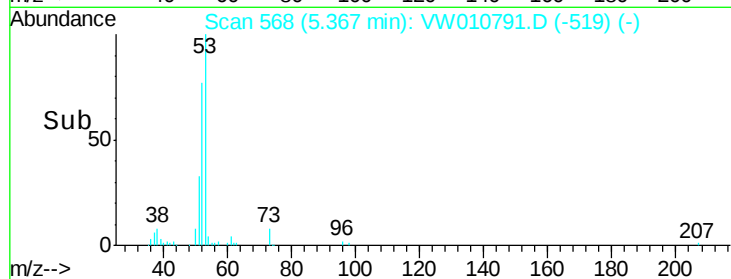
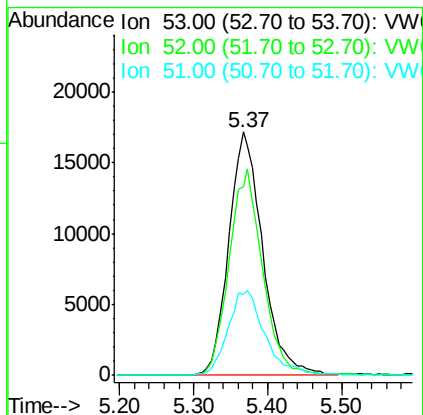
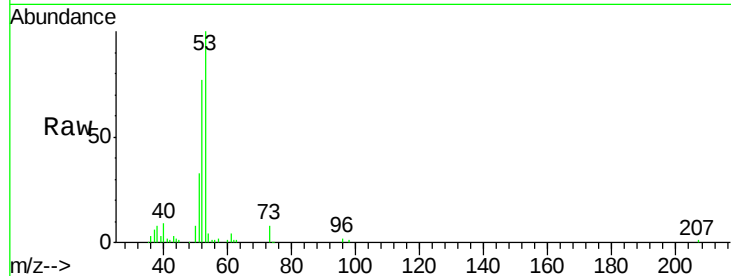
Tot Ion: 53 Resp: 54696

Ion Ratio Lower Upper

53 100

52 83.7 66.6 100.0

51 37.8 29.8 44.8



#16

Acetone

Concen: 92.158 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010791.D

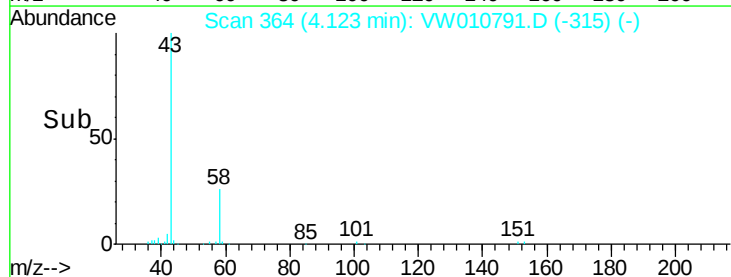
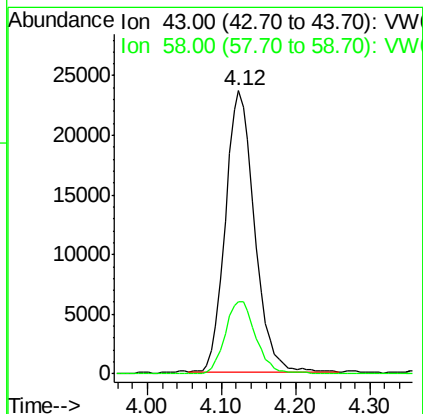
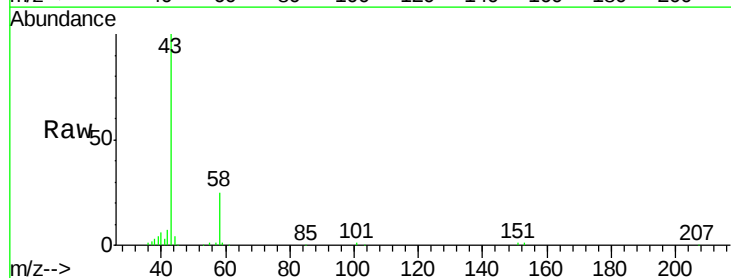
Acq: 13 Jun 2019 12:15

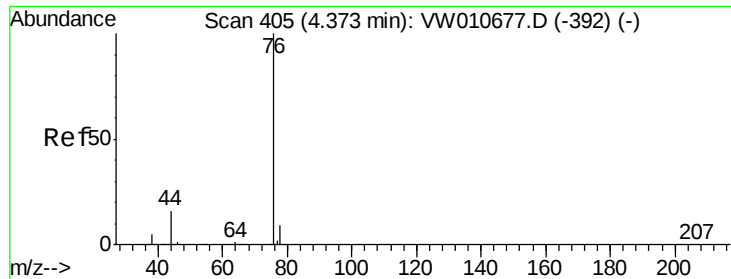
Tgt Ion: 43 Resp: 64539

Ion Ratio Lower Upper

43 100

58 25.6 22.1 33.1

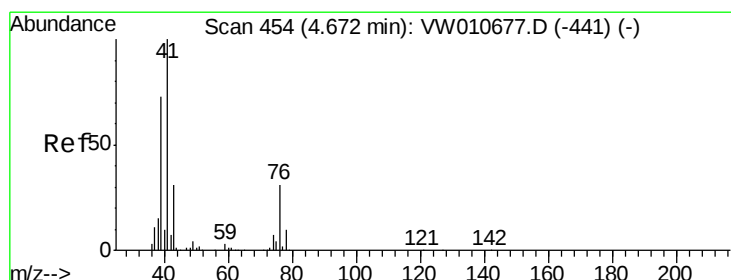
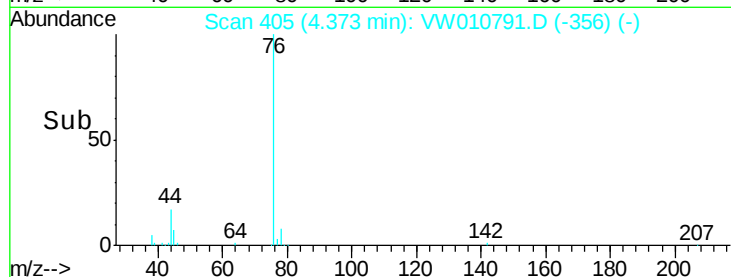
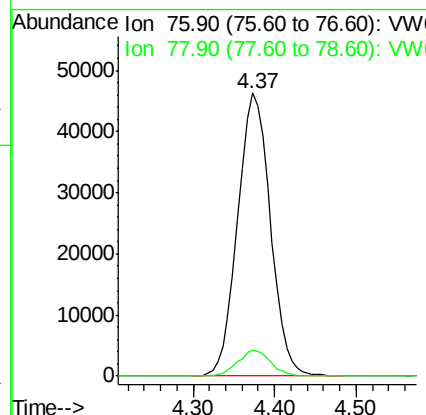
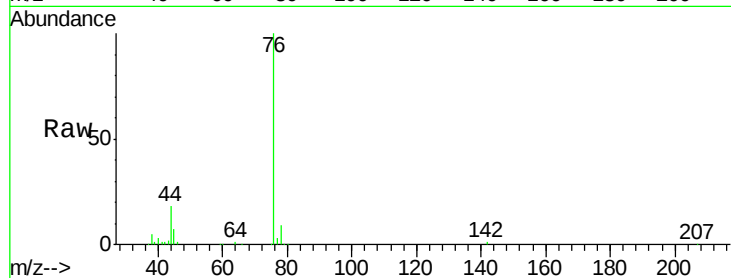




#17
Carbon Disulfide
Concen: 18.940 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010791.D
Acq: 13 Jun 2019 12:15

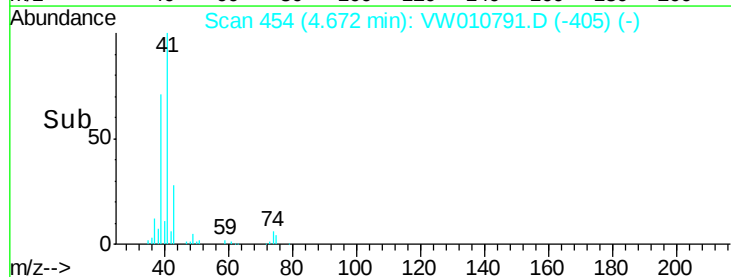
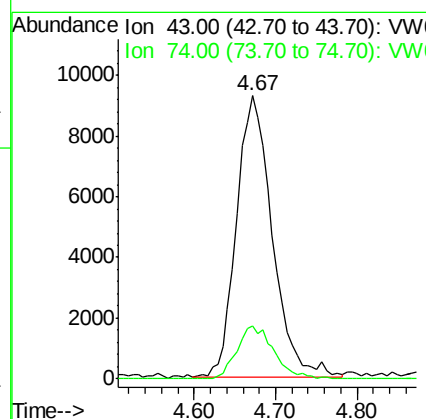
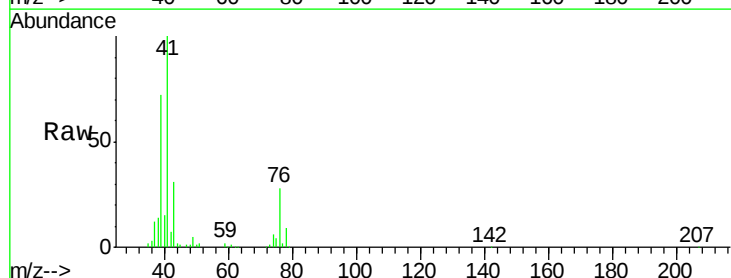
Instrument :
MSVOA_W
ClientSampleId :
VW0613SBS01

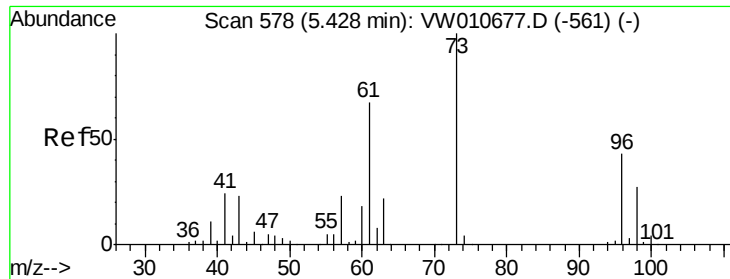
Tot Ion: 76 Resp: 128927
Ion Ratio Lower Upper
76 100
78 9.1 7.5 11.3



#18
Methyl Acetate
Concen: 18.707 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010791.D
Acq: 13 Jun 2019 12:15

Tgt Ion: 43 Resp: 28201
Ion Ratio Lower Upper
43 100
74 19.2 16.7 25.1

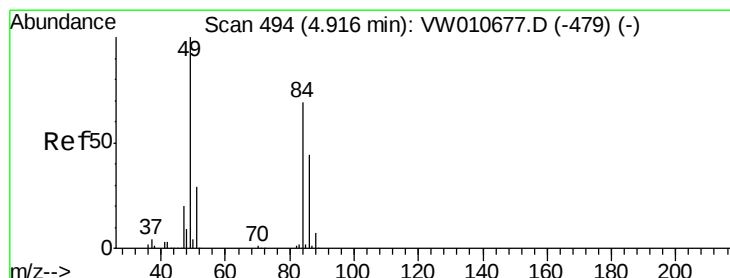
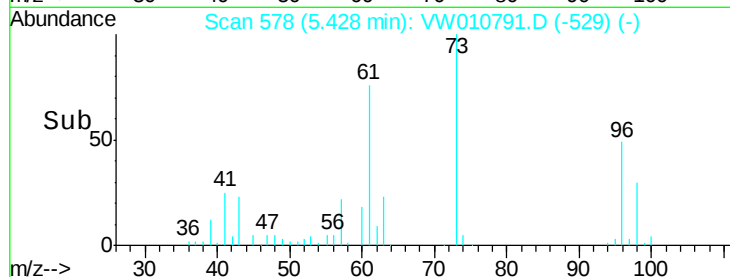
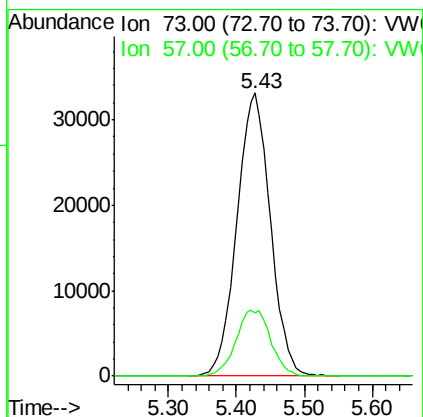
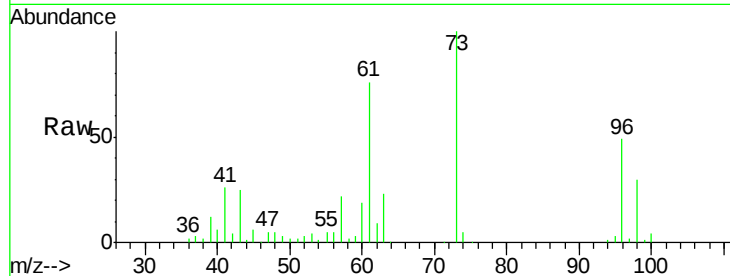




#19
Methvl tert-butvl Ether
Concen: 18.286 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW010791.D
Acq: 13 Jun 2019 12:15

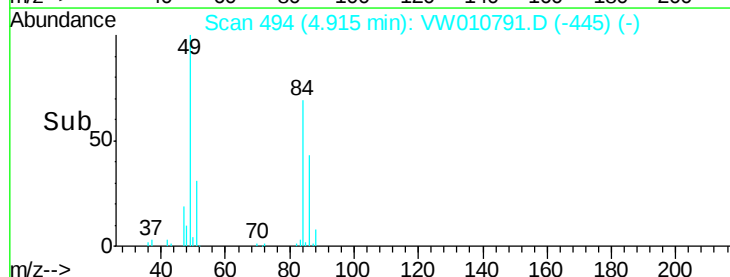
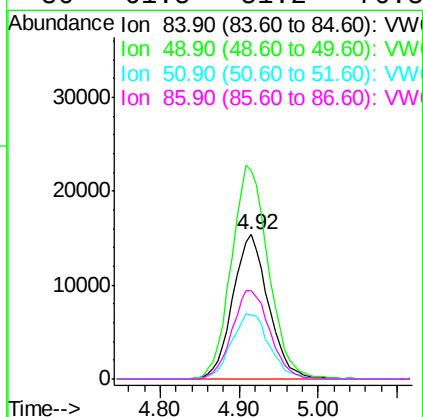
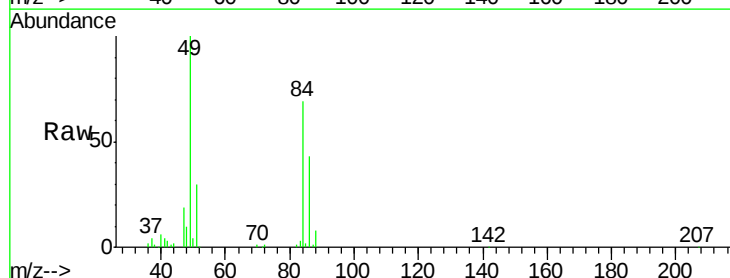
Instrument :
MSVOA_W
ClientSampleId :
VW0613SBS01

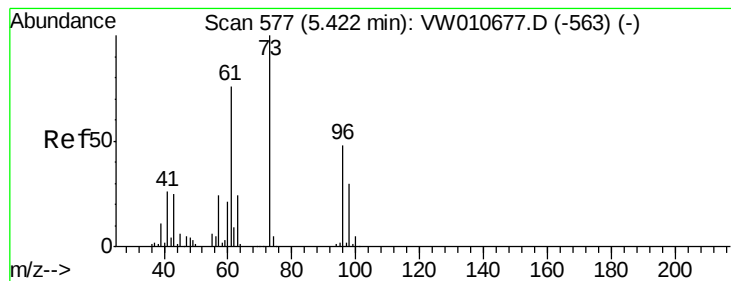
Tot Ion: 73 Resp: 113095
Ion Ratio Lower Upper
73 100
57 22.5 18.6 27.8



#20
Methylene Chloride
Concen: 19.698 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW010791.D
Acq: 13 Jun 2019 12:15

Tgt Ion: 84 Resp: 48394
Ion Ratio Lower Upper
84 100
49 144.1 116.7 175.1
51 43.9 34.2 51.2
86 61.5 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 20.159 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010791.D

Acq: 13 Jun 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

VW0613SBS01

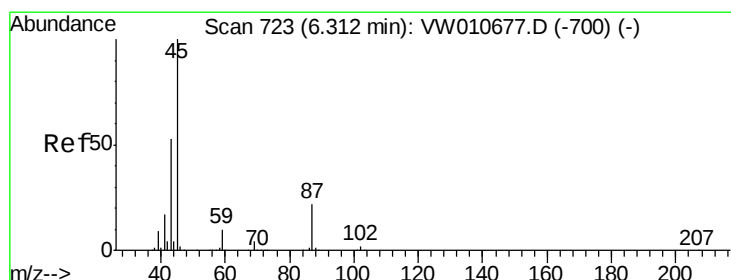
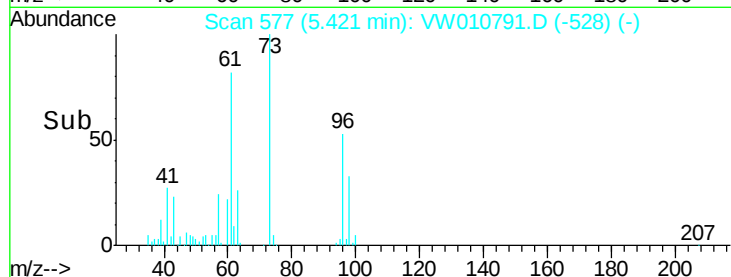
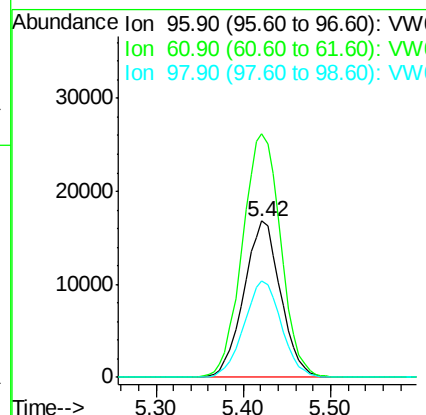
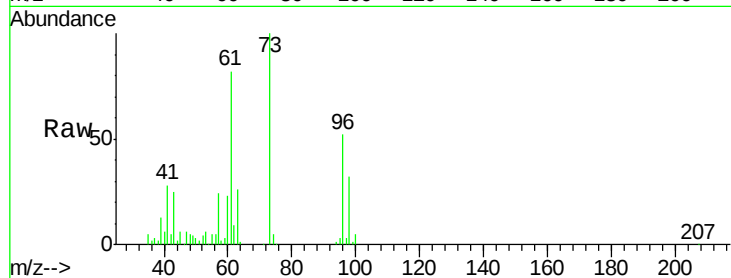
Tot Ion: 96 Resp: 49073

Ion Ratio Lower Upper

96 100

61 155.7 126.0 189.0

98 61.8 49.6 74.4



#22

Diisopropyl ether

Concen: 20.113 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010791.D

Acq: 13 Jun 2019 12:15

Tgt Ion: 45 Resp: 190393

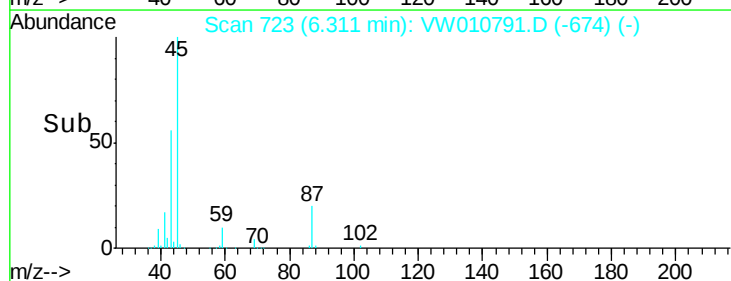
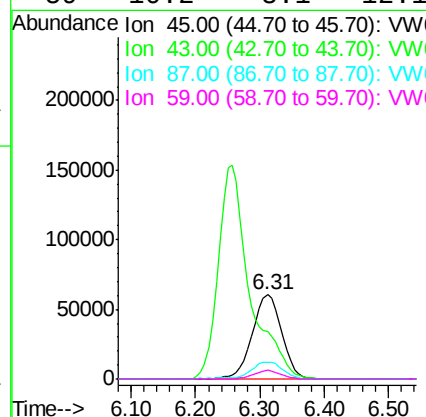
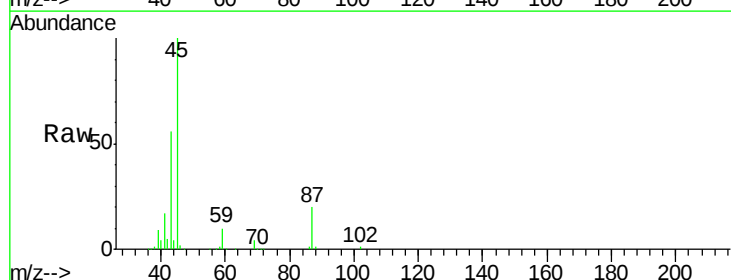
Ion Ratio Lower Upper

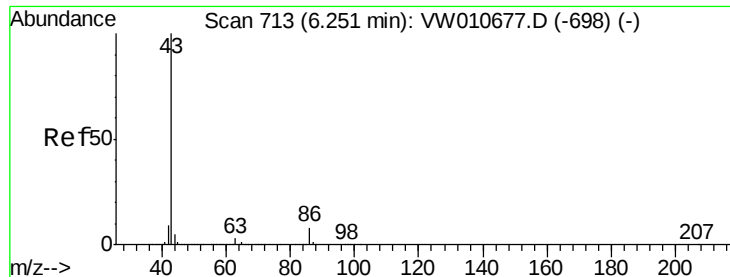
45 100

43 55.6 42.5 63.7

87 20.5 17.4 26.2

59 10.2 8.1 12.1





#23

Vinyl Acetate

Concen: 91.663 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW010791.D

Acq: 13 Jun 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

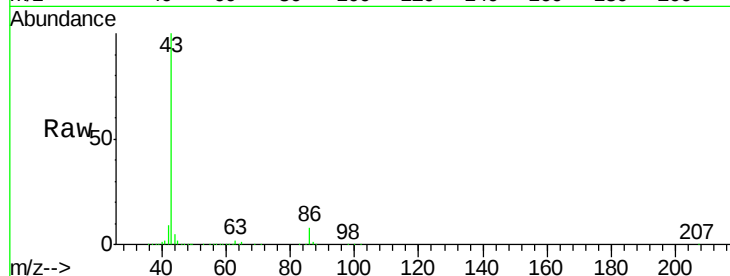
VW0613SBS01

Tot Ion: 43 Resp: 523644

Ion Ratio Lower Upper

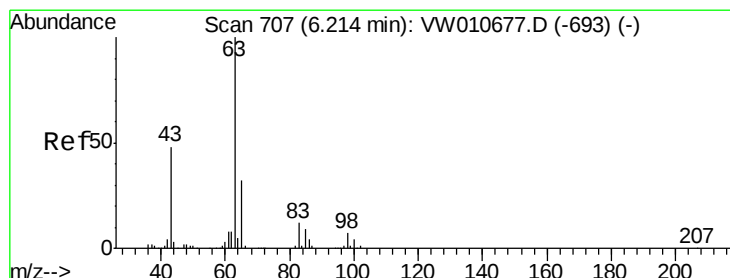
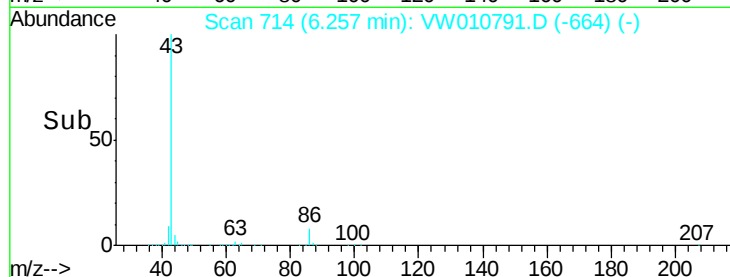
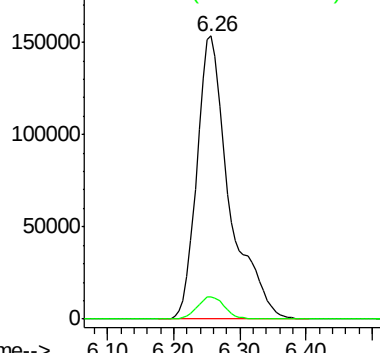
43 100

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



#24

1,1-Dichloroethane

Concen: 20.367 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010791.D

Acq: 13 Jun 2019 12:15

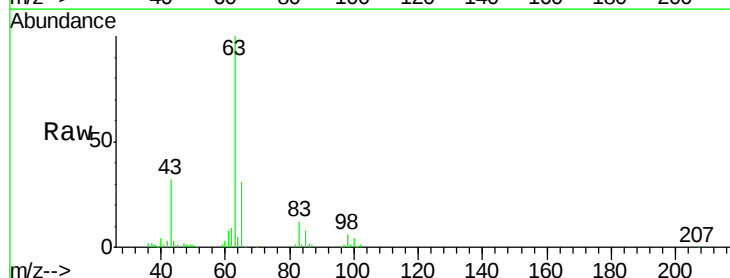
Tgt Ion: 63 Resp: 96617

Ion Ratio Lower Upper

63 100

98 6.2 3.4 10.2

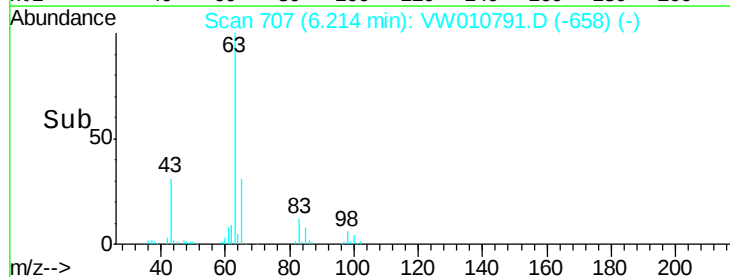
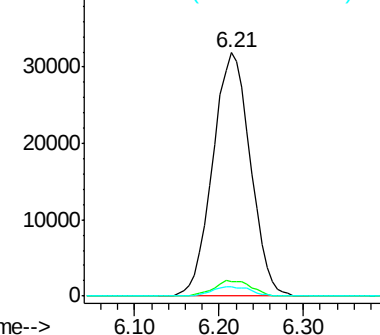
100 3.8 2.1 6.3

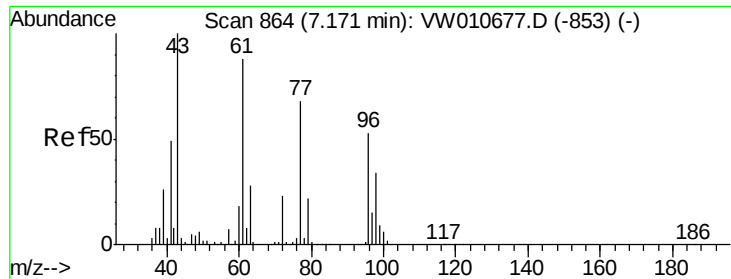


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 91.523 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010791.D

Acq: 13 Jun 2019 12:15

Instrument :

MSVOA_W

ClientSampled :

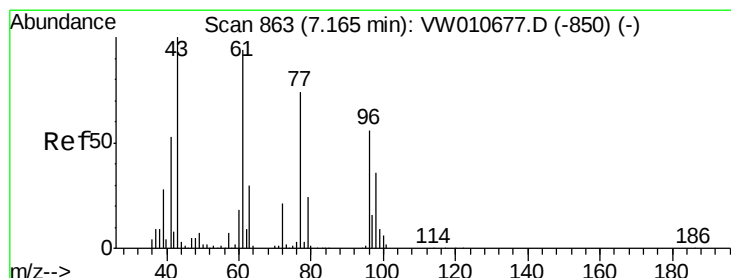
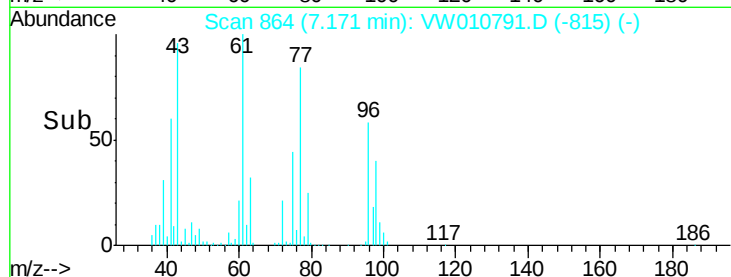
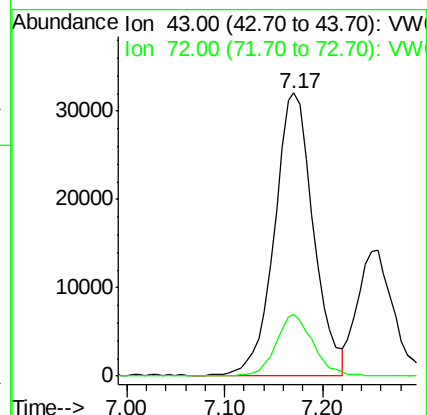
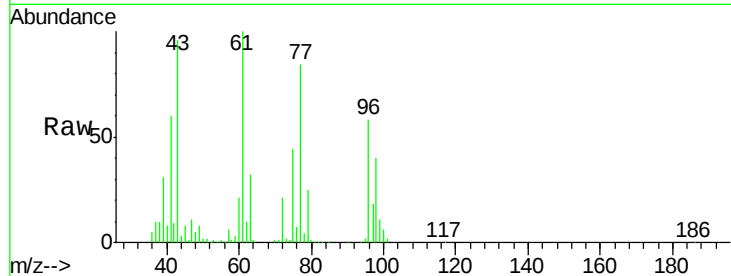
VW0613SBS01

Tot Ion: 43 Resp: 88876

Ion Ratio Lower Upper

43 100

72 21.9 18.1 27.1



#26

2,2-Dichloropropane

Concen: 23.031 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW010791.D

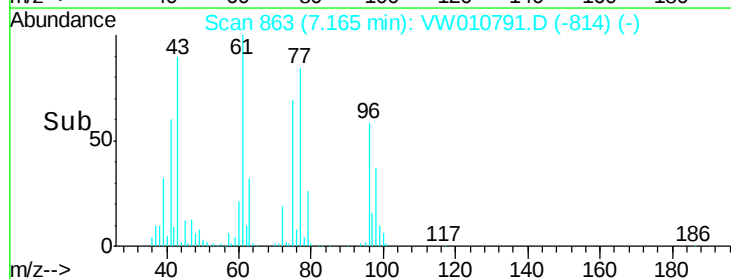
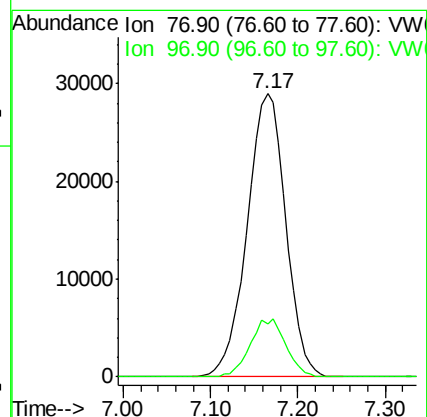
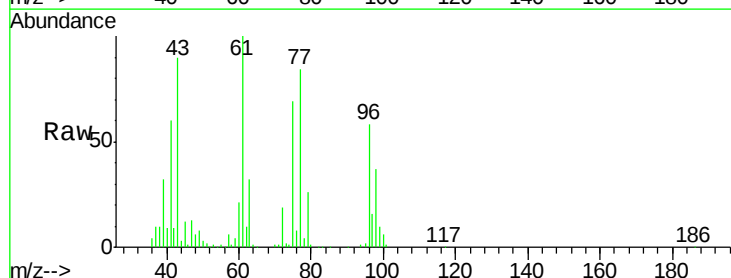
Acq: 13 Jun 2019 12:15

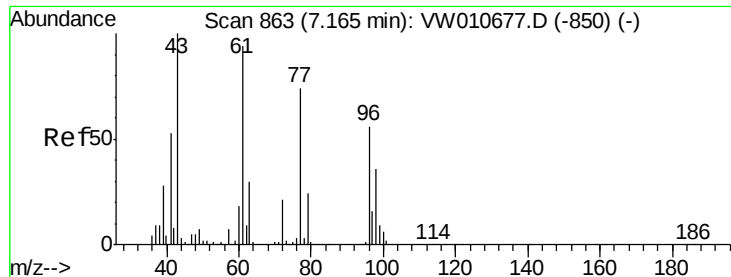
Tgt Ion: 77 Resp: 88904

Ion Ratio Lower Upper

77 100

97 19.0 10.5 31.6



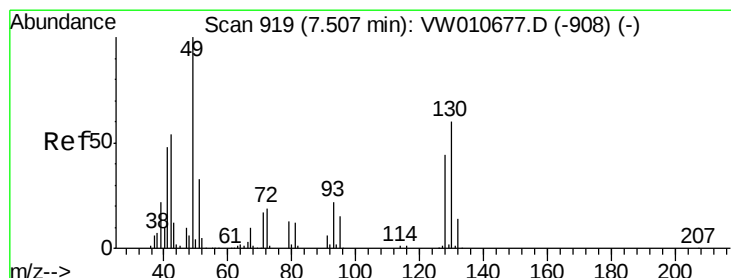
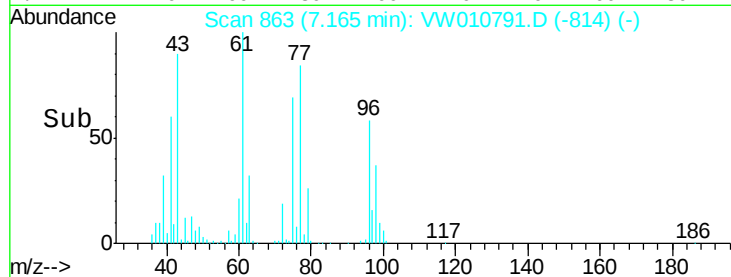
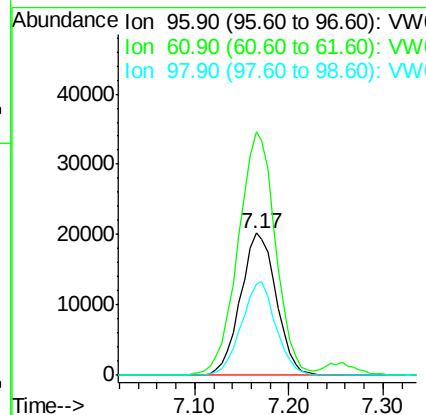
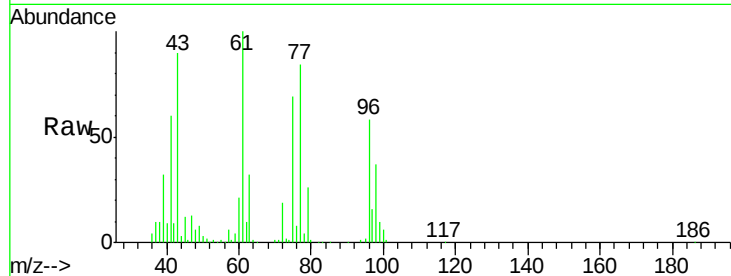


#27

cis-1,2-Dichloroethene
Concen: 19.969 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW010791.D
Acq: 13 Jun 2019 12:15

Instrument :
MSVOA_W
ClientSampleId :
VW0613SBS01

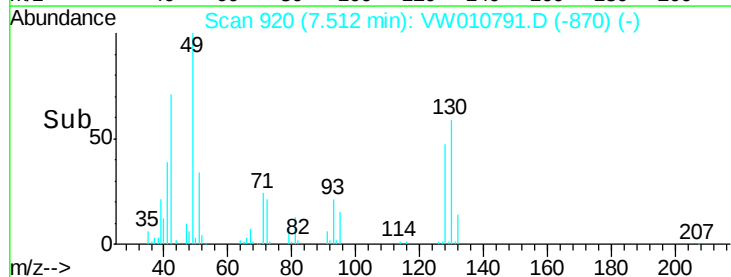
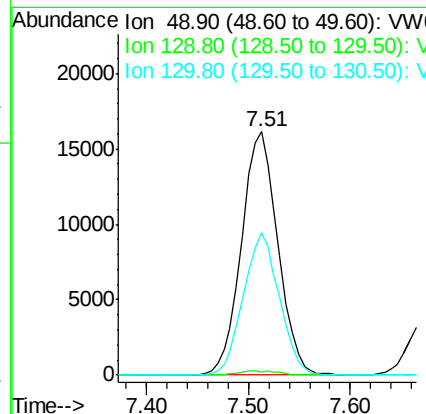
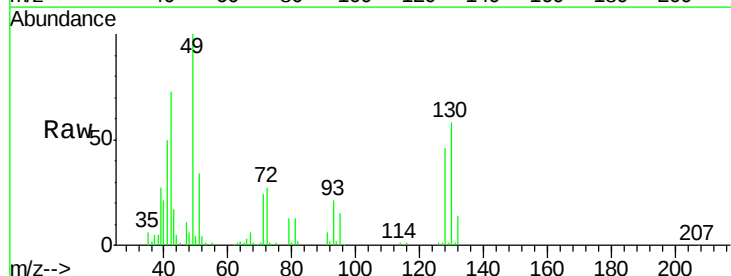
Tot Ion: 96 Resp: 53497
Ion Ratio Lower Upper
96 100
61 179.2 0.0 336.4
98 63.8 0.0 128.0

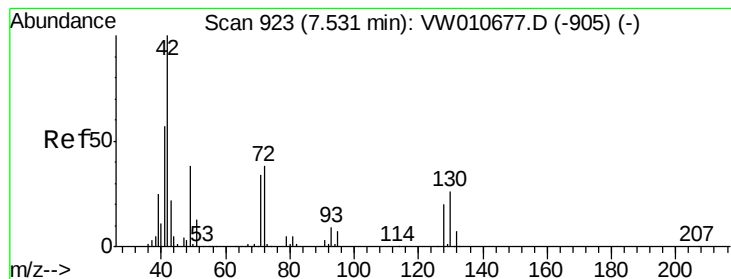


#28

Bromochloromethane
Concen: 18.900 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW010791.D
Acq: 13 Jun 2019 12:15

Tgt Ion: 49 Resp: 40013
Ion Ratio Lower Upper
49 100
129 1.6 0.0 3.2
130 57.4 48.3 72.5





#29

Tetrahydrofuran

Concen: 85.689 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW010791.D

Acq: 13 Jun 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

VW0613SBS01

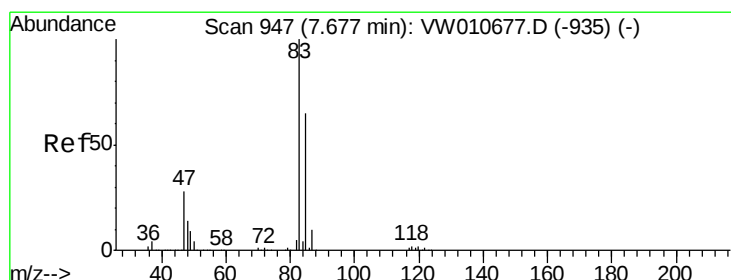
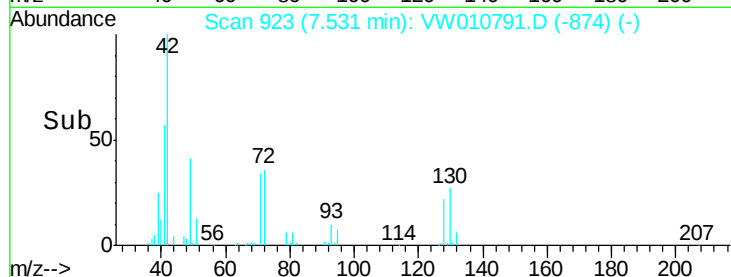
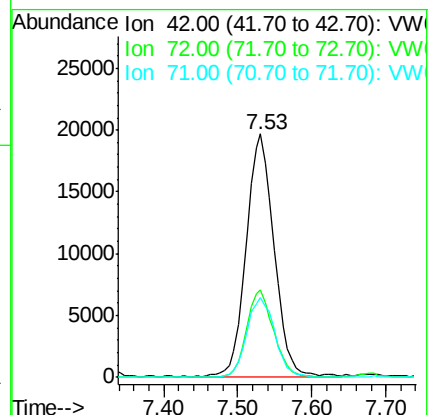
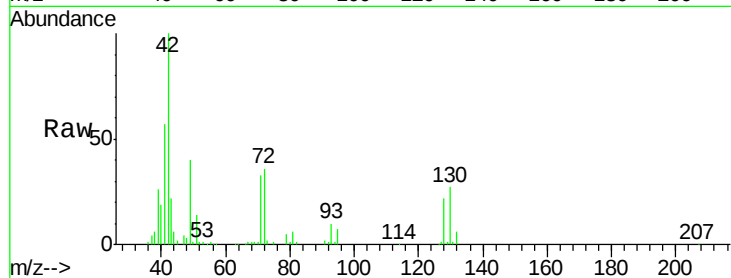
Tot Ion: 42 Resp: 52339

Ion Ratio Lower Upper

42 100

72 34.6 28.7 43.1

71 32.8 26.6 39.8



#30

Chloroform

Concen: 20.155 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW010791.D

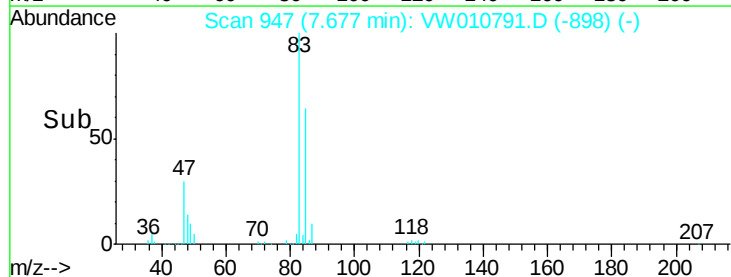
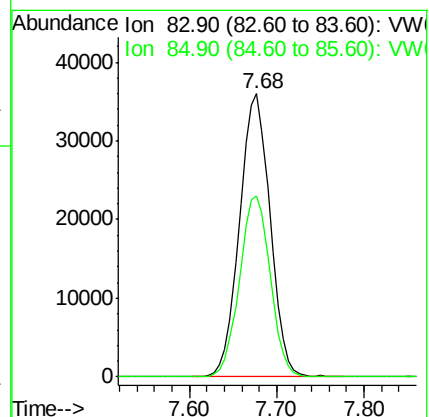
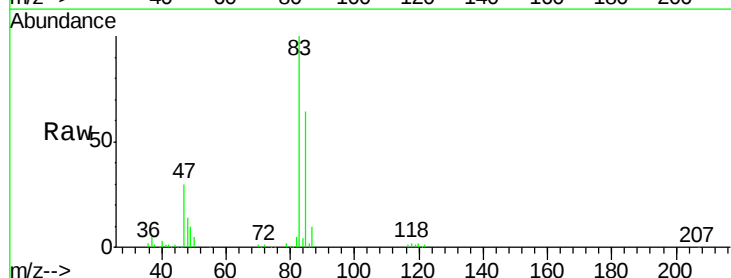
Acq: 13 Jun 2019 12:15

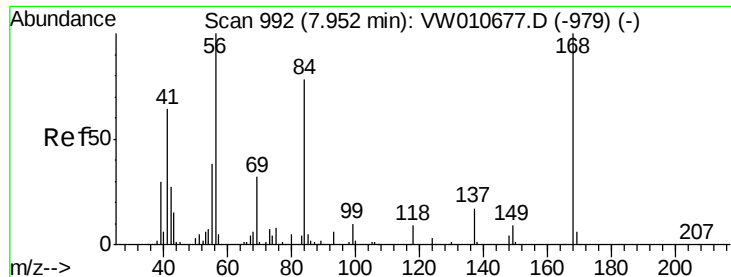
Tgt Ion: 83 Resp: 87455

Ion Ratio Lower Upper

83 100

85 63.8 51.8 77.8

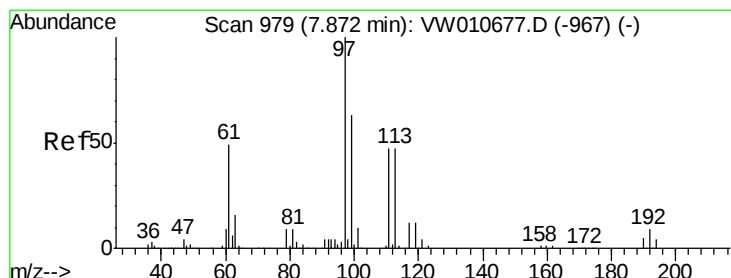
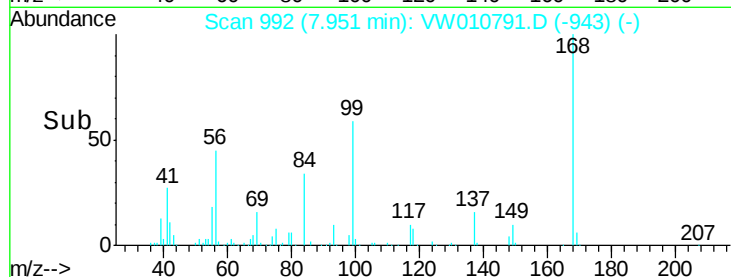
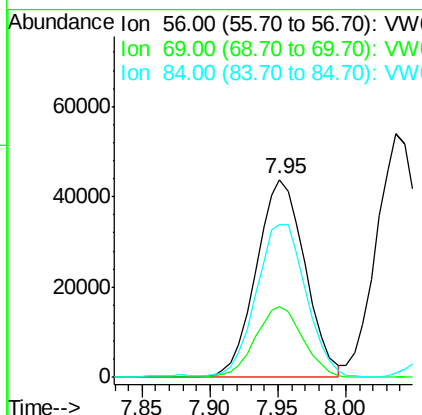
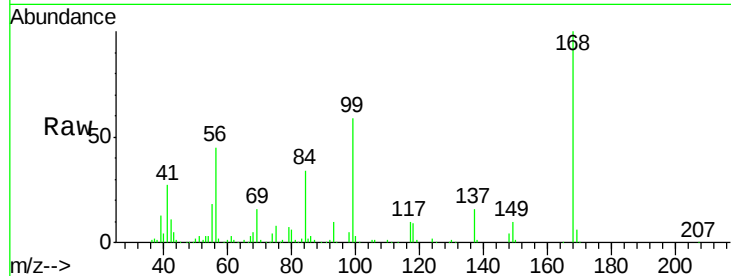




#31
Cyclohexane
Concen: 20.816 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010791.D
Acq: 13 Jun 2019 12:15

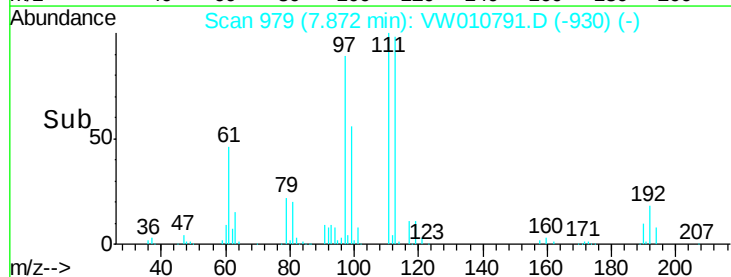
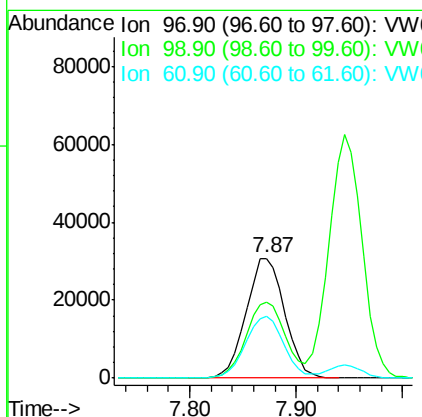
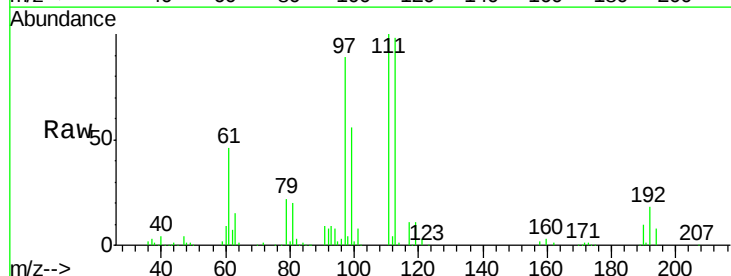
Instrument :
MSVOA_W
ClientSampleId :
VW0613SBS01

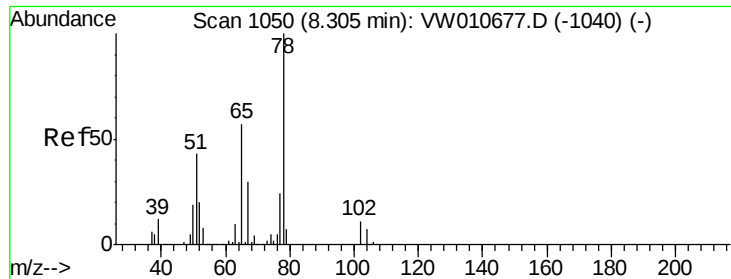
Tot Ion: 56 Resp: 109769
Ion Ratio Lower Upper
56 100
69 35.8 25.2 37.8
84 76.3 62.2 93.2



#32
1,1,1-Trichloroethane
Concen: 20.611 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010791.D
Acq: 13 Jun 2019 12:15

Tgt Ion: 97 Resp: 78121
Ion Ratio Lower Upper
97 100
99 65.1 51.3 76.9
61 51.5 40.4 60.6

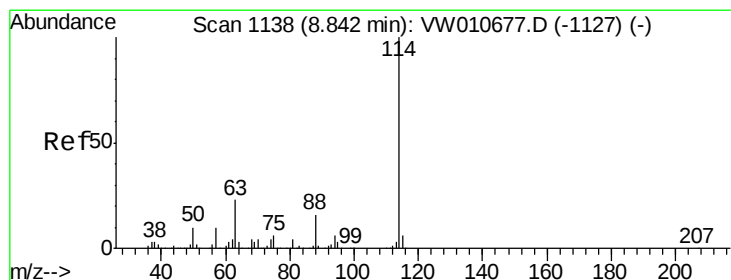
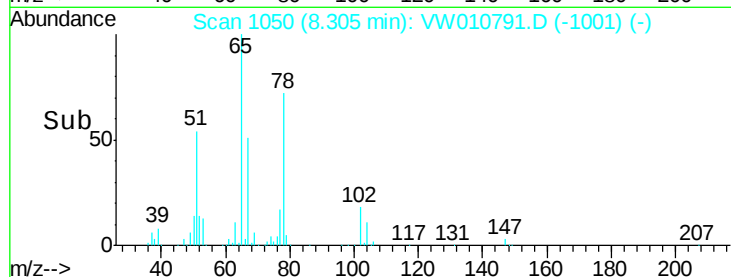
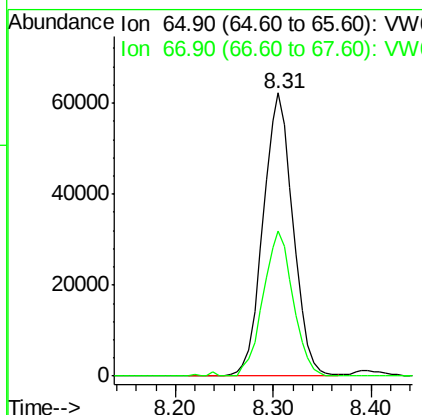
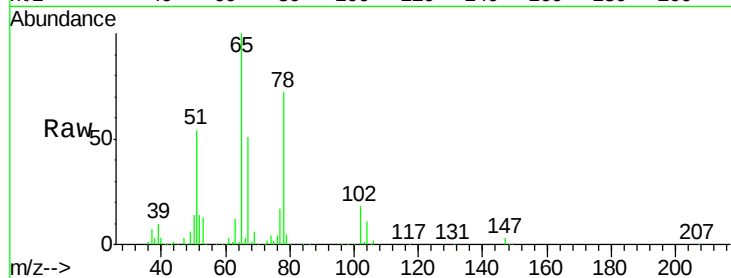




#33
 1,2-Dichloroethane-d4
 Concen: 50.955 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010791.D
 Acq: 13 Jun 2019 12:15

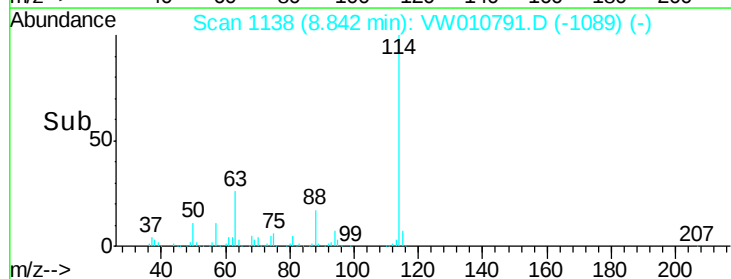
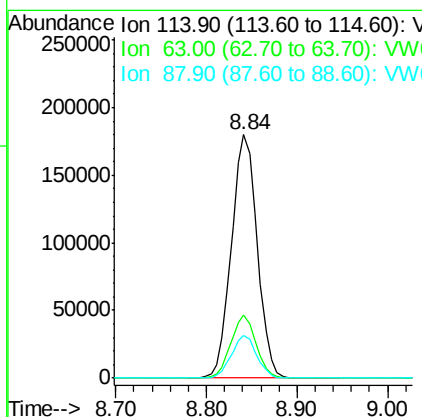
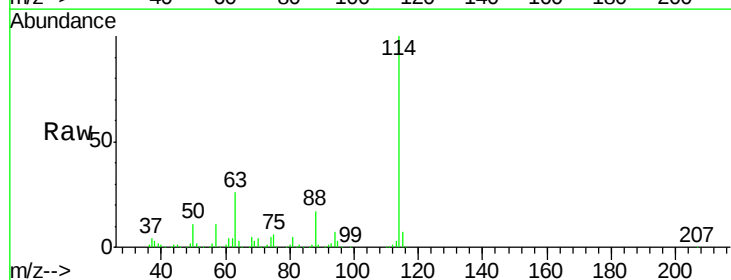
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0613SBS01

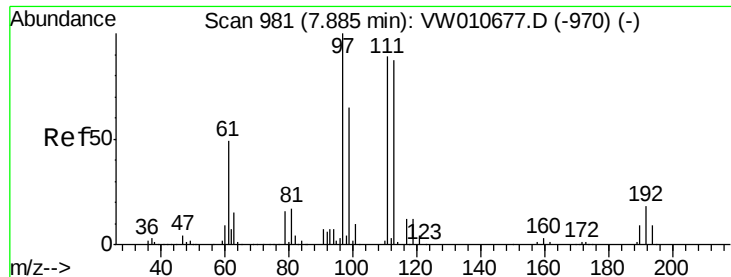
Tot Ion: 65 Resp: 133175
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010791.D
 Acq: 13 Jun 2019 12:15

Tgt Ion: 114 Resp: 355631
 Ion Ratio Lower Upper
 114 100
 63 25.9 0.0 46.4
 88 17.3 0.0 32.2

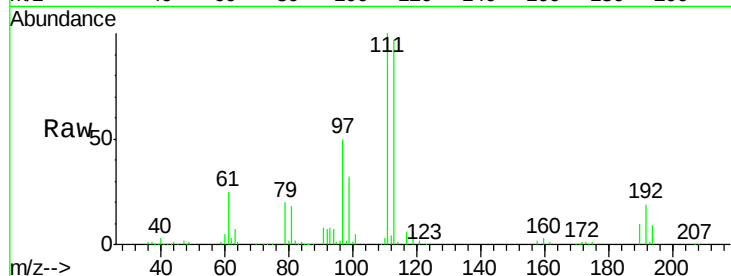




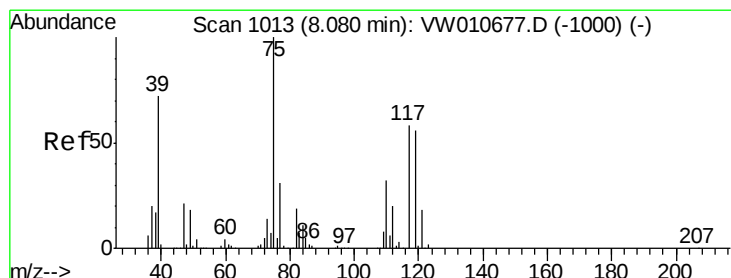
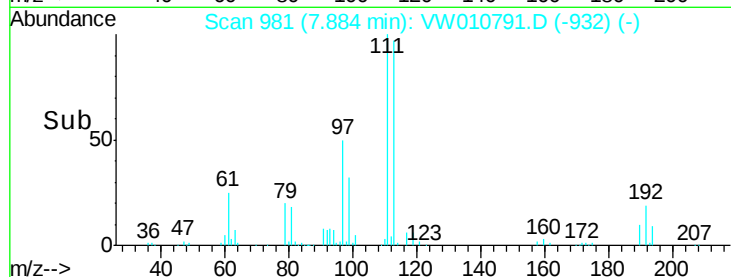
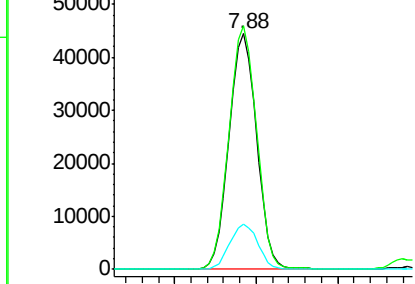
#35
 Dibromofluoromethane
 Concen: 53.928 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010791.D
 Acq: 13 Jun 2019 12:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0613SBS01

Tot Ion:113 Resp: 104097
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.6 123.8
 192 19.6 16.4 24.6

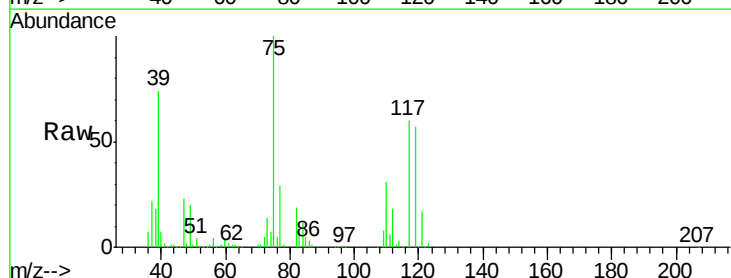


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

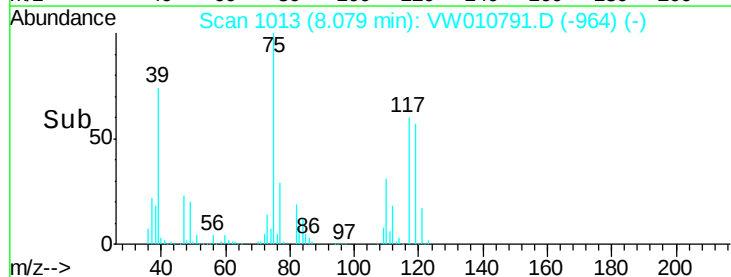
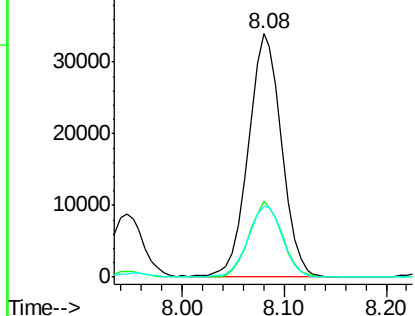


#36
 1,1-Dichloropropene
 Concen: 21.214 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010791.D
 Acq: 13 Jun 2019 12:15

Tgt Ion: 75 Resp: 77224
 Ion Ratio Lower Upper
 75 100
 110 30.6 15.8 47.3
 77 30.3 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

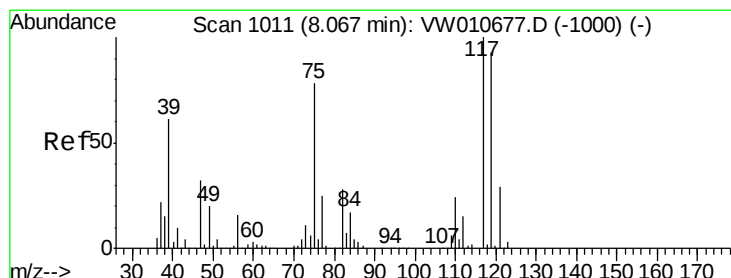
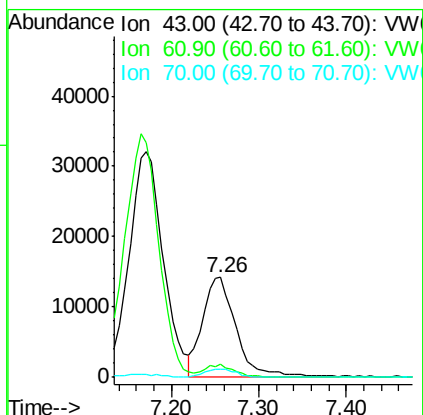
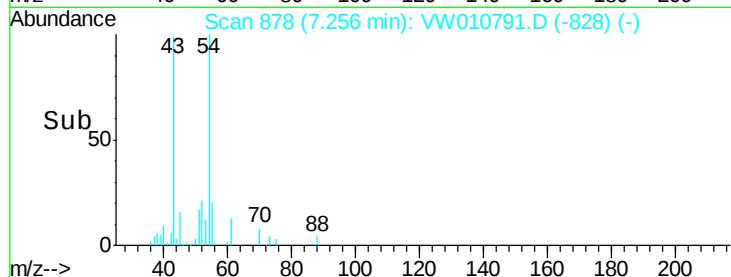
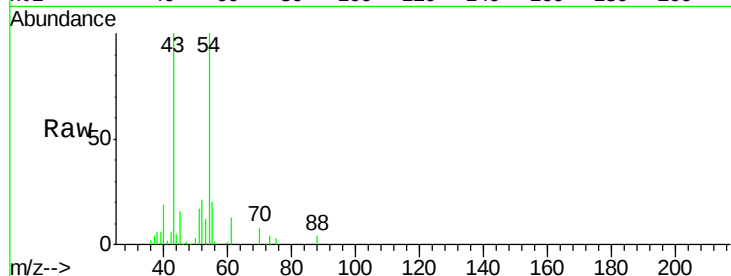




#37
Ethyl Acetate
Concen: 18.312 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW010791.D
Acq: 13 Jun 2019 12:15

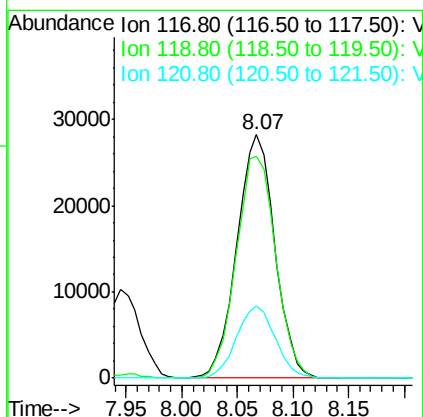
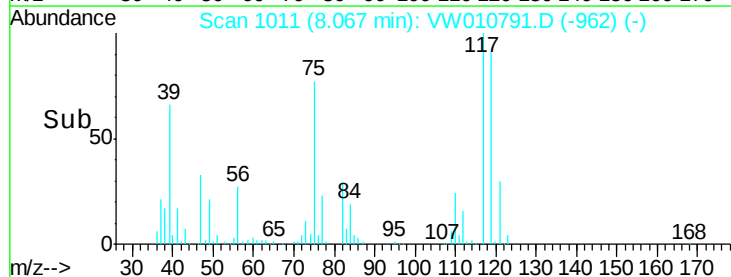
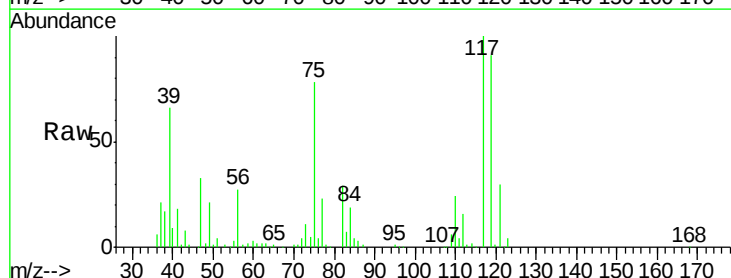
Instrument :
MSVOA_W
ClientSampleId :
VW0613SBS01

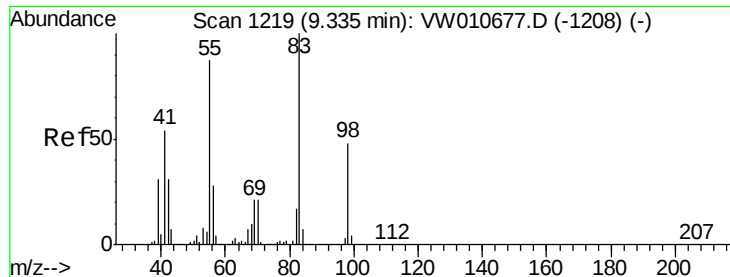
Tot Ion: 43 Resp: 36940
Ion Ratio Lower Upper
43 100
61 11.8 9.7 14.5
70 8.0 7.2 10.8



#38
Carbon Tetrachloride
Concen: 21.250 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010791.D
Acq: 13 Jun 2019 12:15

Tgt Ion: 117 Resp: 66778
Ion Ratio Lower Upper
117 100
119 91.0 74.2 111.4
121 29.8 22.9 34.3

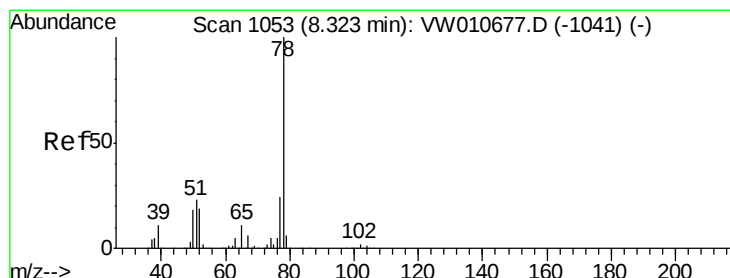
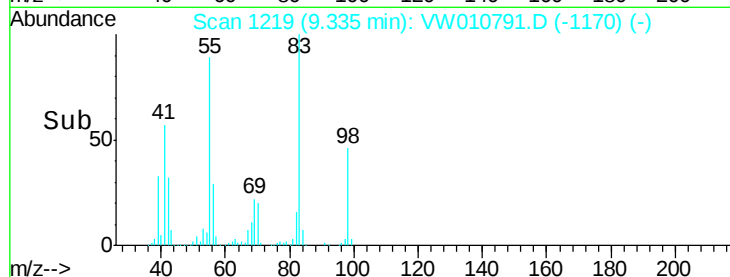
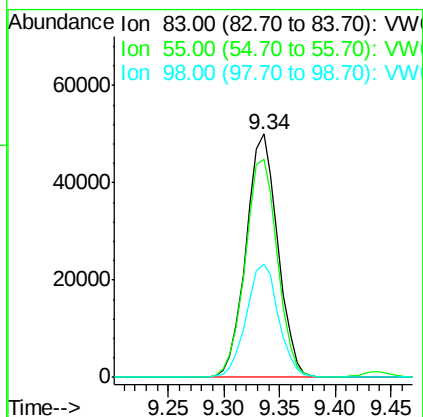
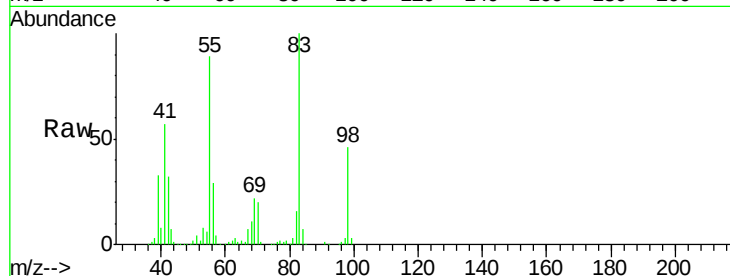




#39
Methvlcvclohexane
Concen: 21.522 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010791.D
Acq: 13 Jun 2019 12:15

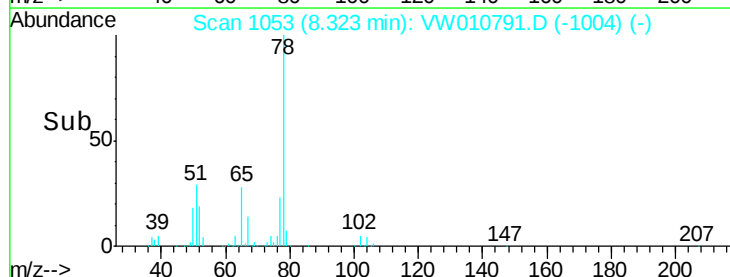
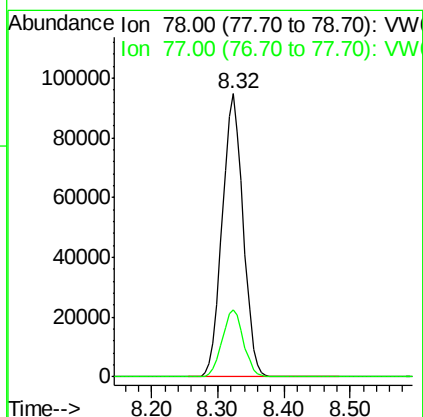
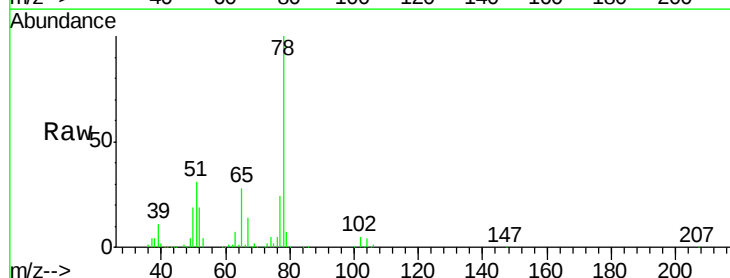
Instrument :
MSVOA_W
ClientSampleId :
VW0613SBS01

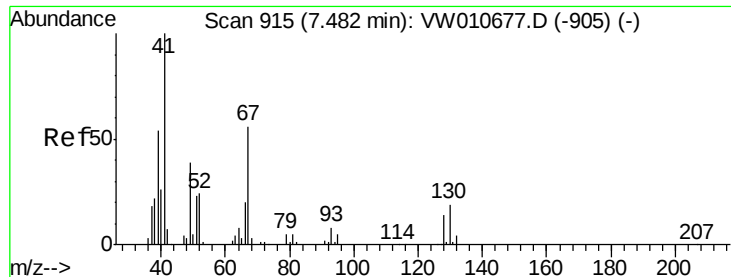
Tot Ion: 83 Resp: 99598
Ion Ratio Lower Upper
83 100
55 89.4 70.0 105.0
98 46.5 38.1 57.1



#40
Benzene
Concen: 20.821 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010791.D
Acq: 13 Jun 2019 12:15

Tgt Ion: 78 Resp: 206768
Ion Ratio Lower Upper
78 100
77 23.6 19.1 28.7

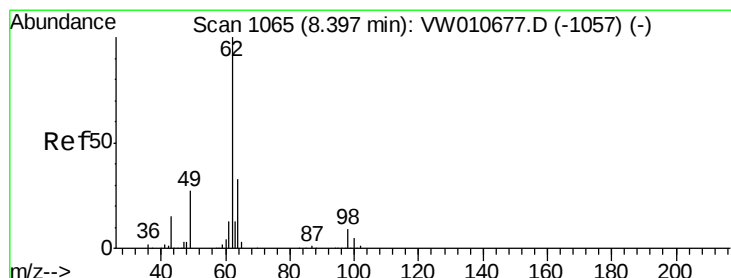
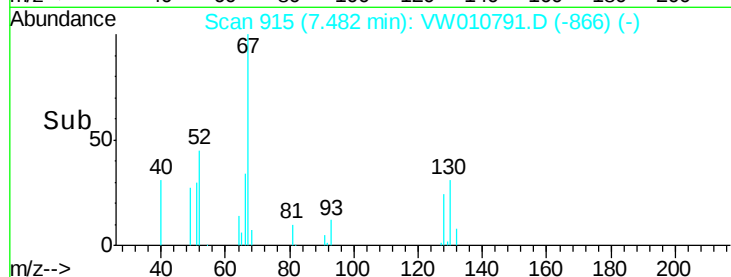
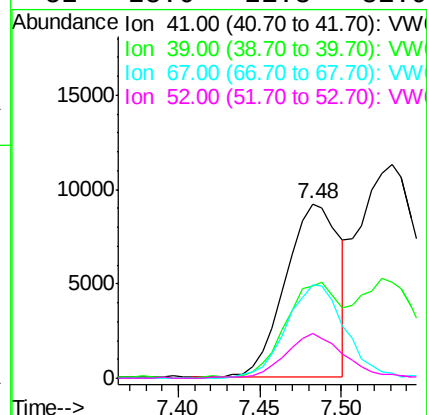
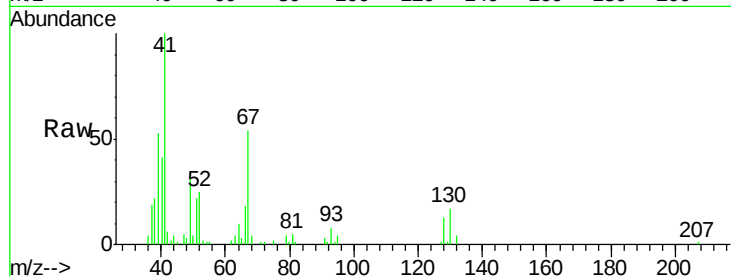




#41
Methacrylonitrile
Concen: 17.546 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010791.D
Acq: 13 Jun 2019 12:15

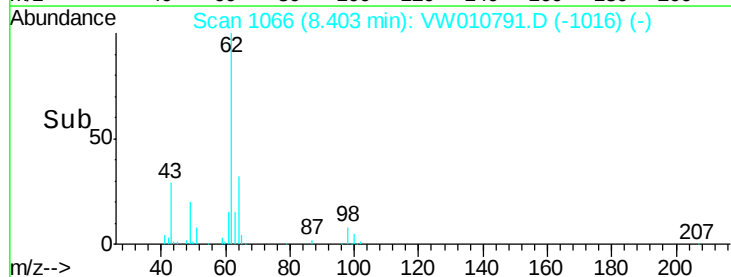
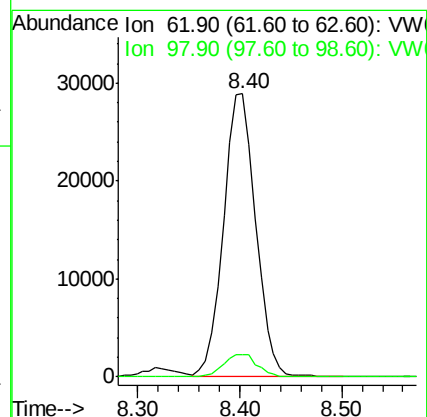
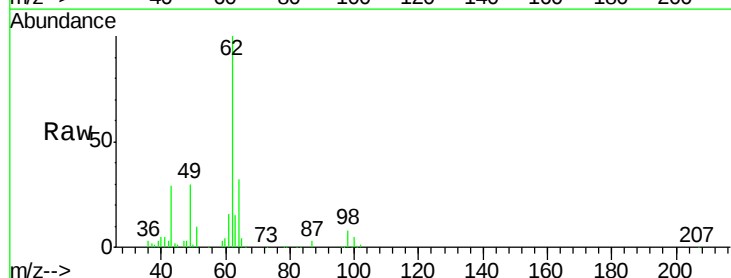
Instrument :
MSVOA_W
ClientSampleId :
VW0613SBS01

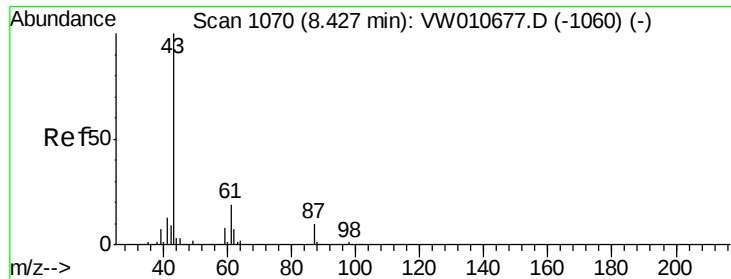
Tot Ion:	41	Resp:	21038
Ion	Ratio	Lower	Upper
41	100		
39	55.9	47.3	70.9
67	59.7	47.2	70.8
52	28.6	21.3	31.9



#42
1,2-Dichloroethane
Concen: 20.103 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW010791.D
Acq: 13 Jun 2019 12:15

Tgt Ion:	62	Resp:	63362
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.2





#43

Isopropyl Acetate

Concen: 18.024 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW010791.D

Acq: 13 Jun 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

VW0613SBS01

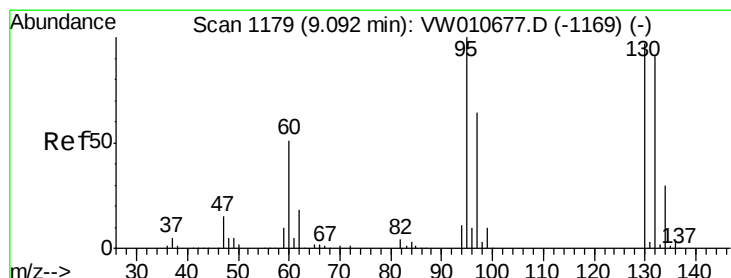
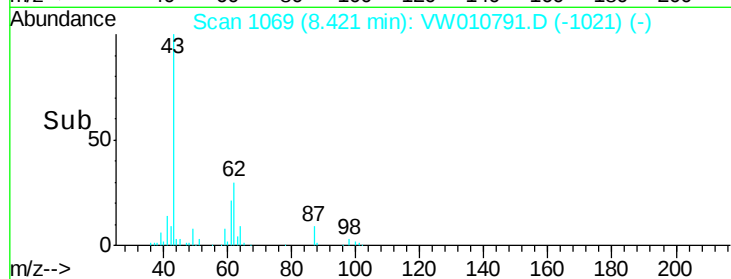
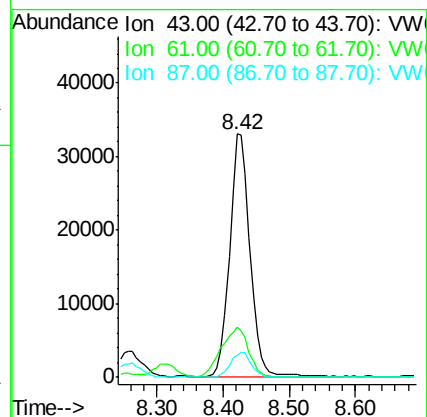
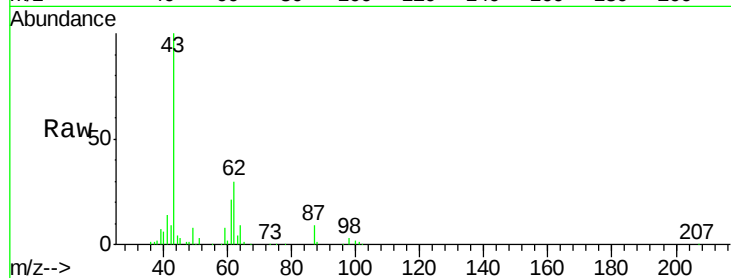
Tot Ion: 43 Resp: 70243

Ion Ratio Lower Upper

43 100

61 27.9 21.2 31.8

87 10.6 8.3 12.5



#44

Trichloroethene

Concen: 20.497 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010791.D

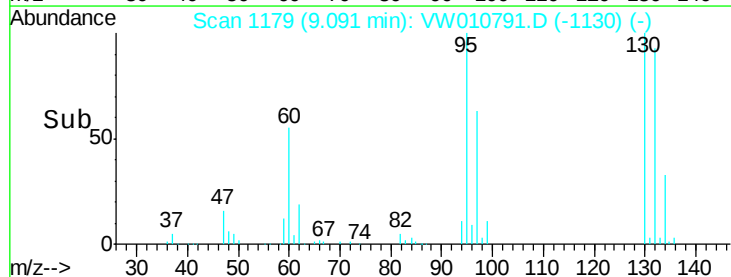
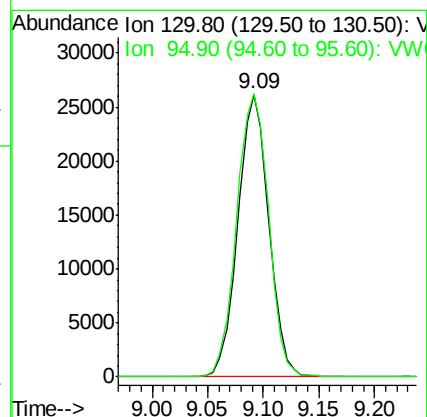
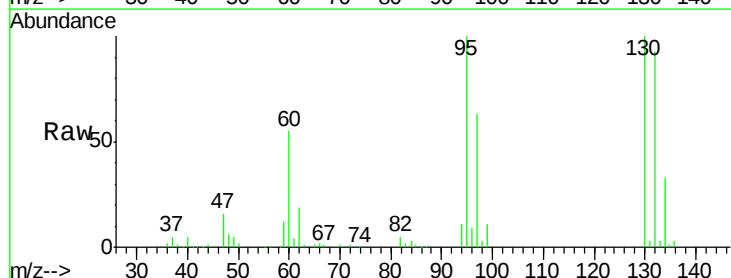
Acq: 13 Jun 2019 12:15

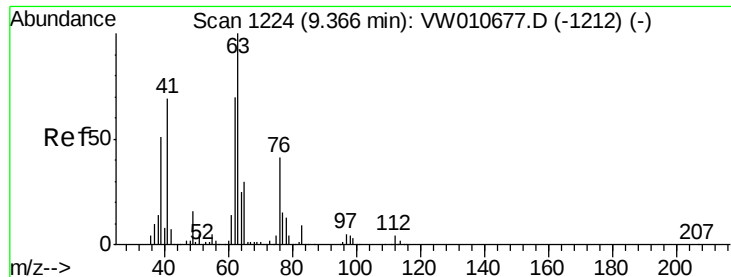
Tgt Ion: 130 Resp: 50213

Ion Ratio Lower Upper

130 100

95 100.2 0.0 207.0





#45

1,2-Dichloropropane

Concen: 20.710 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW010791.D

Acq: 13 Jun 2019 12:15

Instrument :

MSVOA_W

ClientSampled :

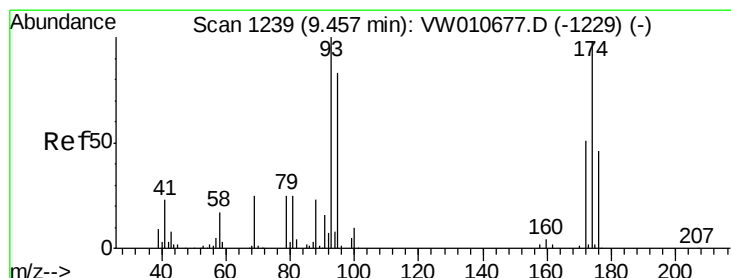
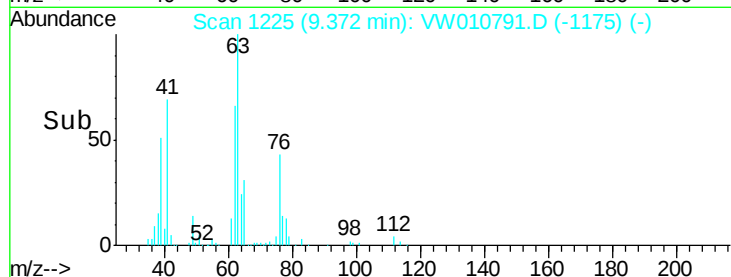
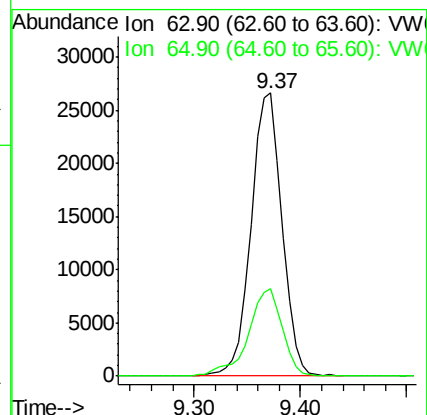
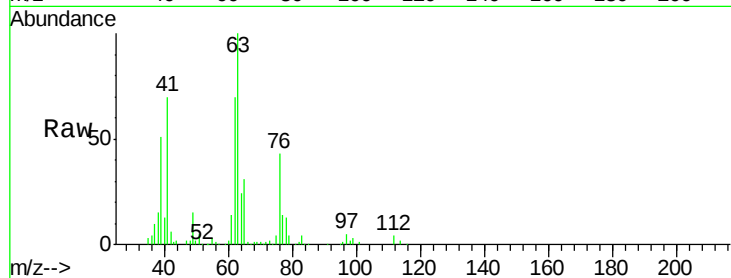
VW0613SBS01

Tot Ion: 63 Resp: 54444

Ion Ratio Lower Upper

63 100

65 31.2 23.8 35.6



#46

Dibromomethane

Concen: 19.307 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010791.D

Acq: 13 Jun 2019 12:15

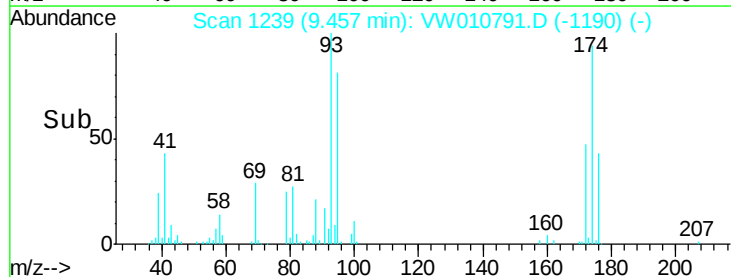
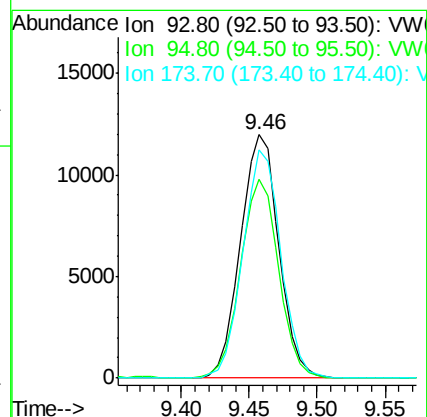
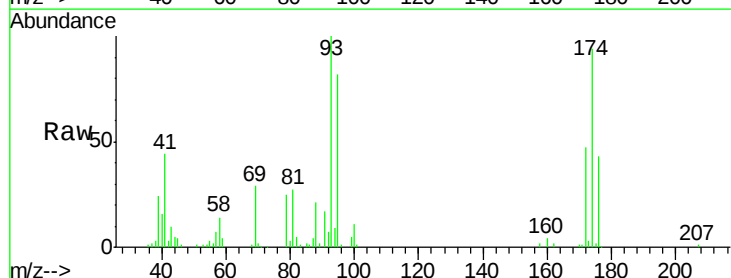
Tgt Ion: 93 Resp: 23574

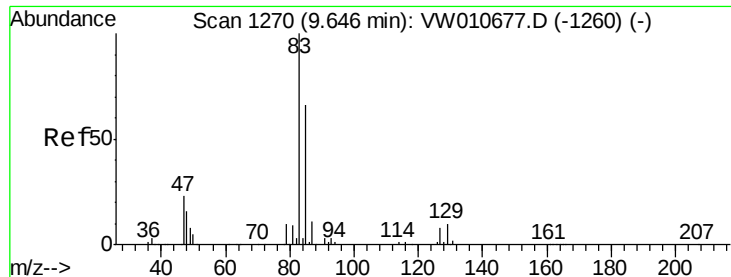
Ion Ratio Lower Upper

93 100

95 81.3 65.8 98.8

174 93.0 77.4 116.0

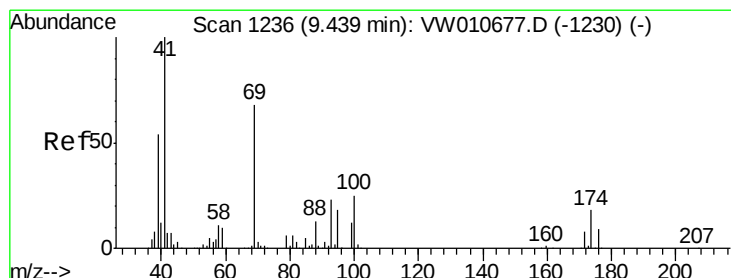
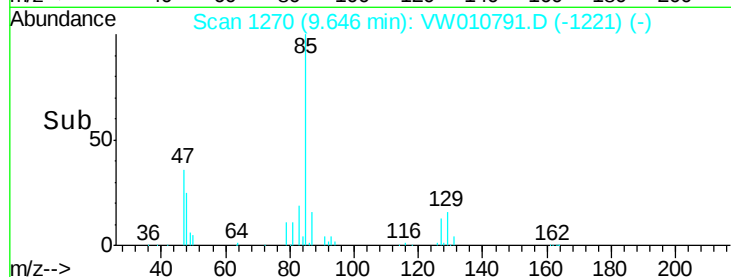
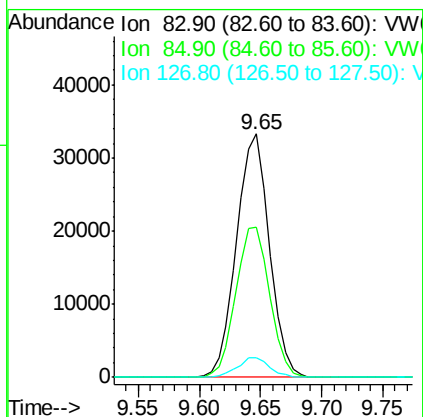
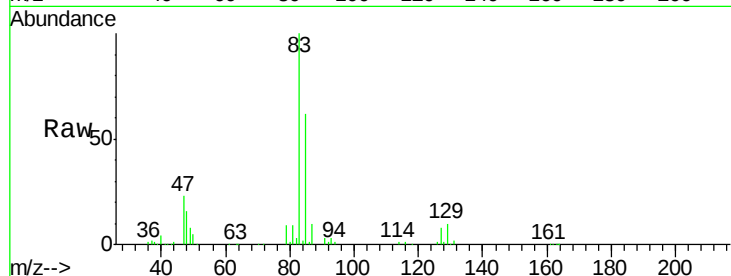




#47
Bromodichloromethane
Concen: 19.652 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW010791.D
Acq: 13 Jun 2019 12:15

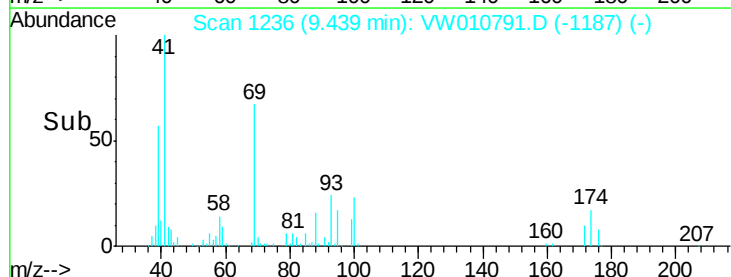
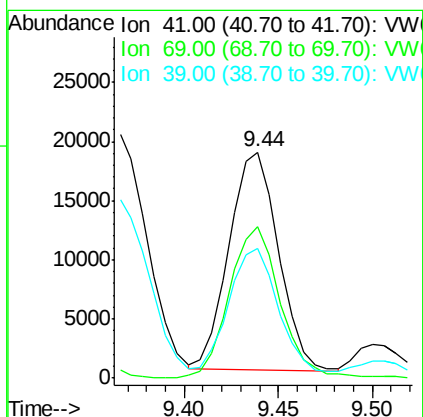
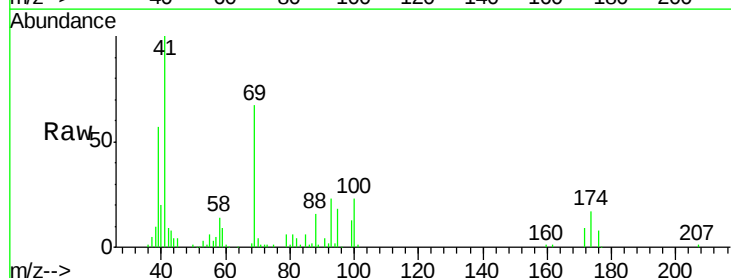
Instrument :
MSVOA_W
ClientSampleId :
VW0613SBS01

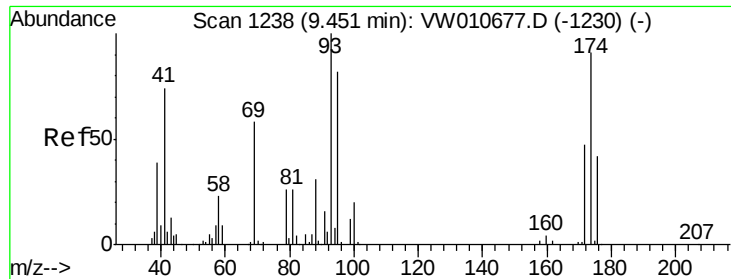
Tot Ion: 83 Resp: 62201
Ion Ratio Lower Upper
83 100
85 61.9 53.0 79.4
127 8.2 6.4 9.6



#48
Methyl methacrylate
Concen: 17.785 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW010791.D
Acq: 13 Jun 2019 12:15

Tgt Ion: 41 Resp: 33419
Ion Ratio Lower Upper
41 100
69 72.1 56.6 85.0
39 56.0 44.4 66.6

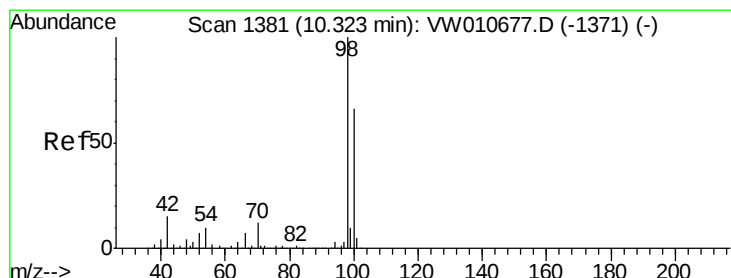
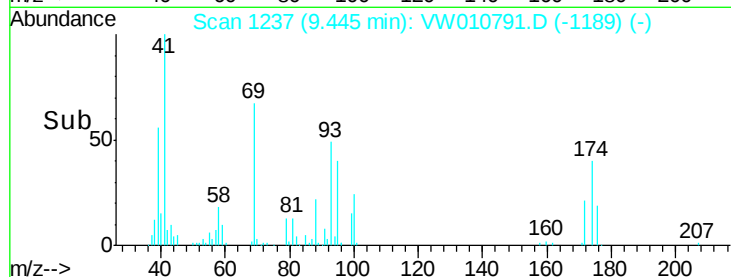
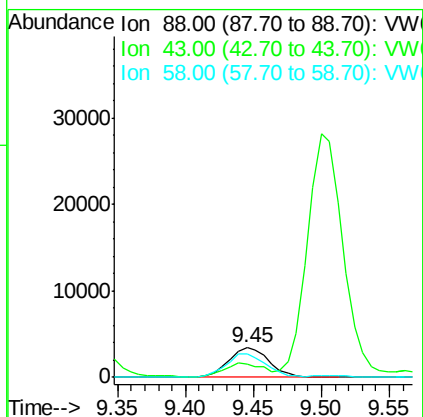
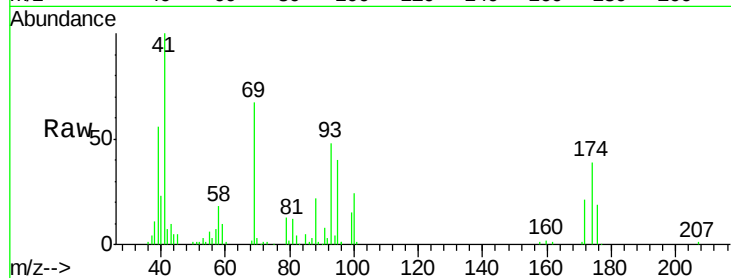




#49
1,4-Dioxane
Concen: 372.389 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW010791.D
Acq: 13 Jun 2019 12:15

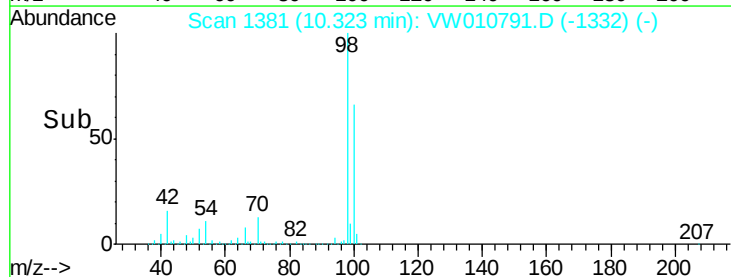
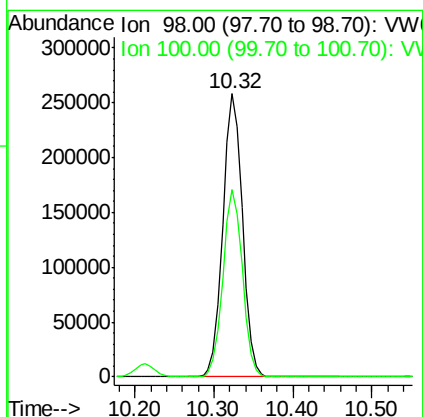
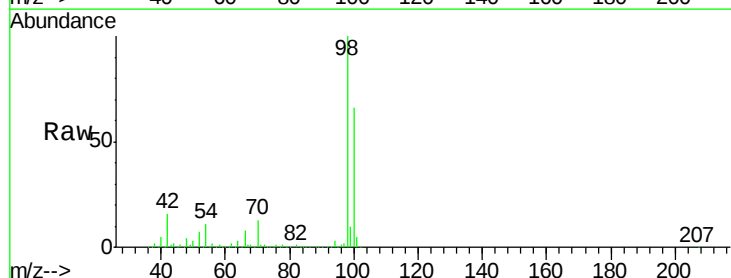
Instrument :
MSVOA_W
ClientSampleId :
VW0613SBS01

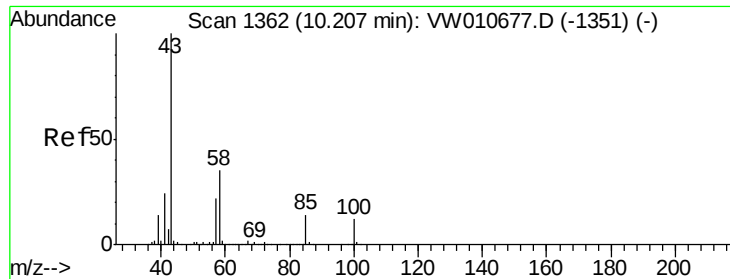
Tot Ion: 88 Resp: 7109
Ion Ratio Lower Upper
88 100
43 42.4 34.2 51.4
58 82.1 69.0 103.4



#50
Toluene-d8
Concen: 52.707 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010791.D
Acq: 13 Jun 2019 12:15

Tgt Ion: 98 Resp: 446138
Ion Ratio Lower Upper
98 100
100 65.9 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 89.404 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010791.D

Acq: 13 Jun 2019 12:15

Instrument :

MSVOA_W

ClientSampled :

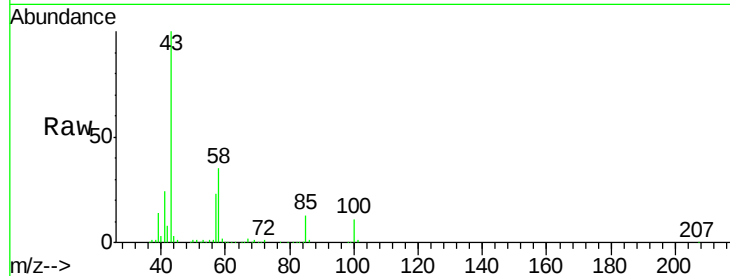
VW0613SBS01

Tot Ion: 43 Resp: 178000

Ion Ratio Lower Upper

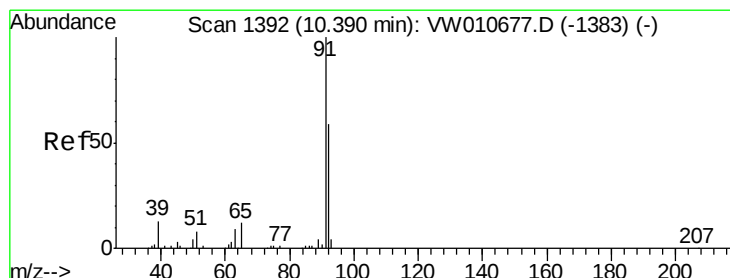
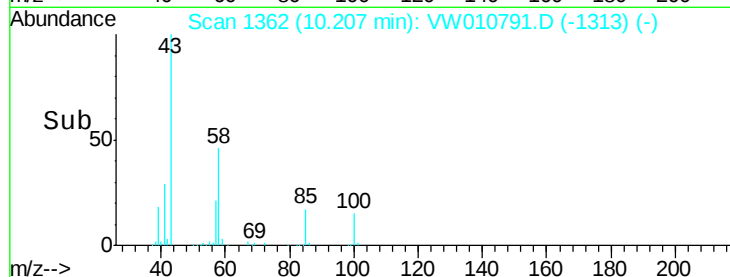
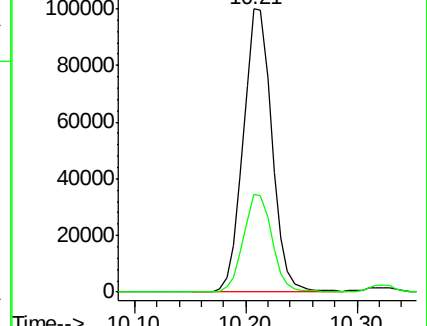
43 100

58 34.8 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 20.828 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010791.D

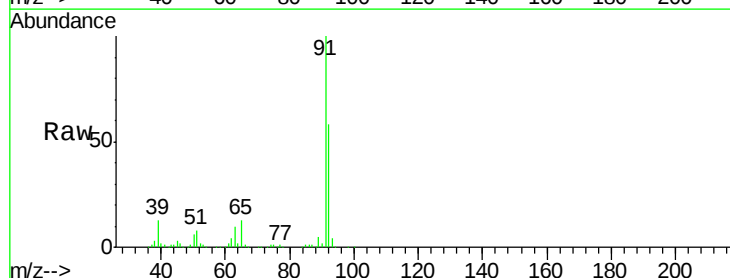
Acq: 13 Jun 2019 12:15

Tgt Ion: 92 Resp: 127267

Ion Ratio Lower Upper

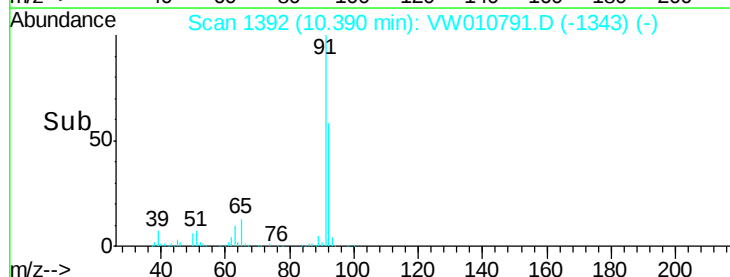
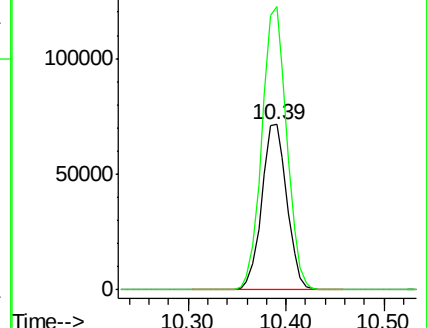
92 100

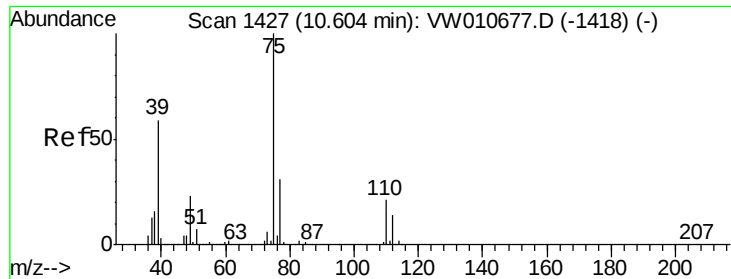
91 169.6 134.9 202.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 19.355 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW010791.D

Acq: 13 Jun 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

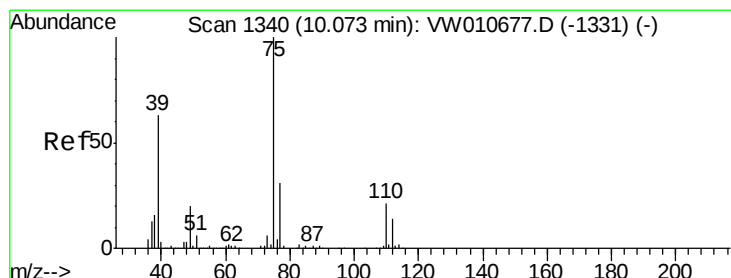
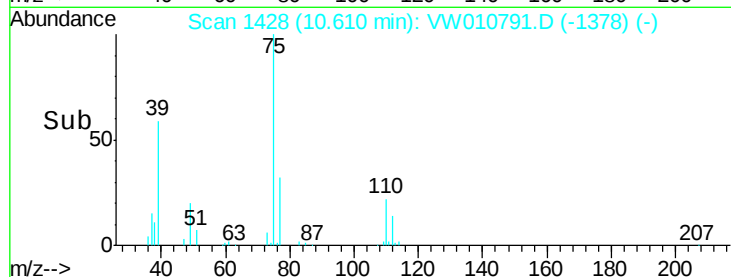
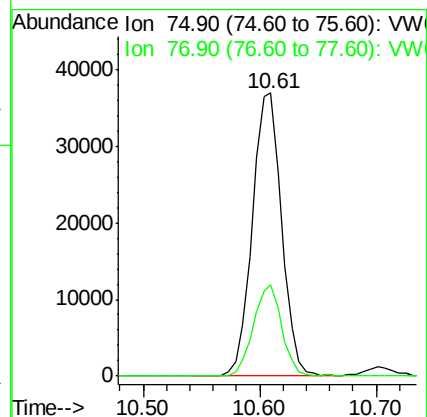
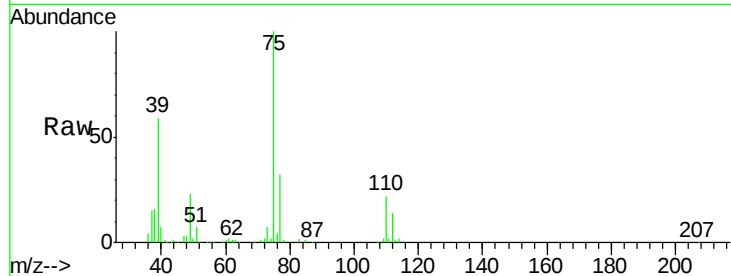
VW0613SBS01

Tot Ion: 75 Resp: 64886

Ion Ratio Lower Upper

75 100

77 32.4 24.6 36.8



#54

cis-1,3-Dichloropropene

Concen: 19.588 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010791.D

Acq: 13 Jun 2019 12:15

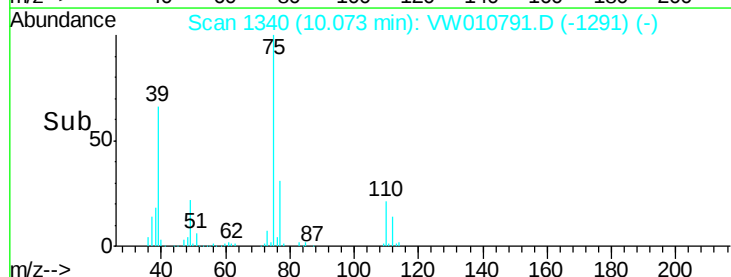
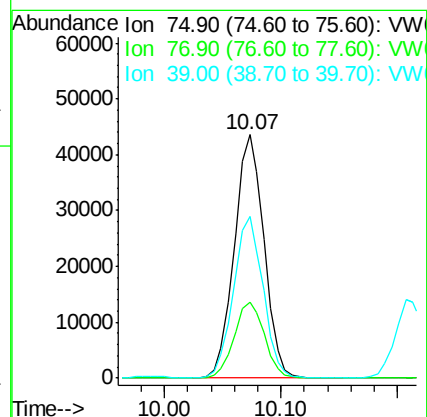
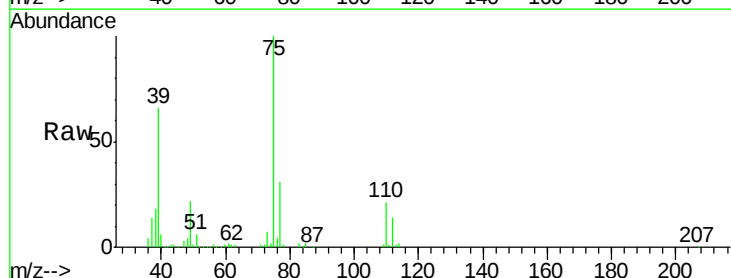
Tgt Ion: 75 Resp: 77271

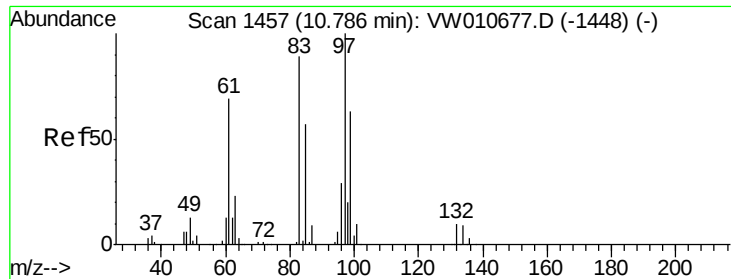
Ion Ratio Lower Upper

75 100

77 31.0 25.2 37.8

39 66.2 50.1 75.1

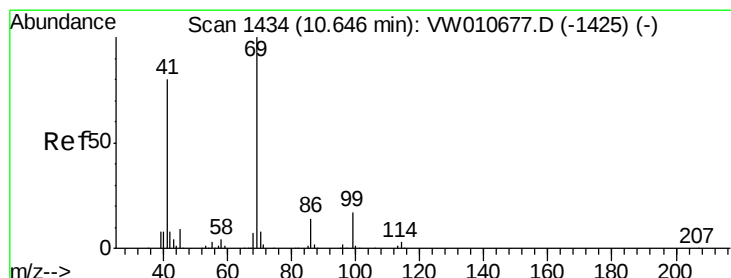
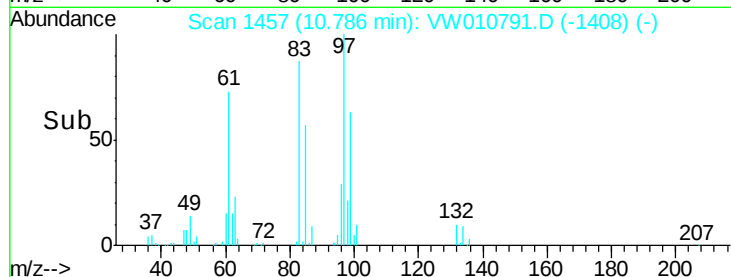
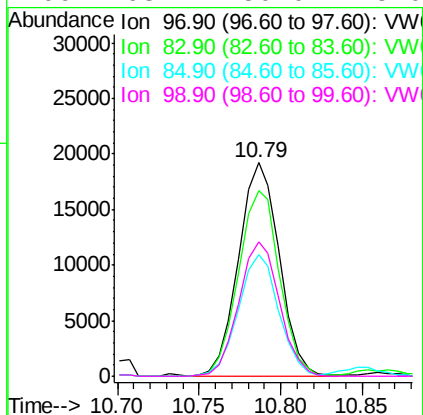
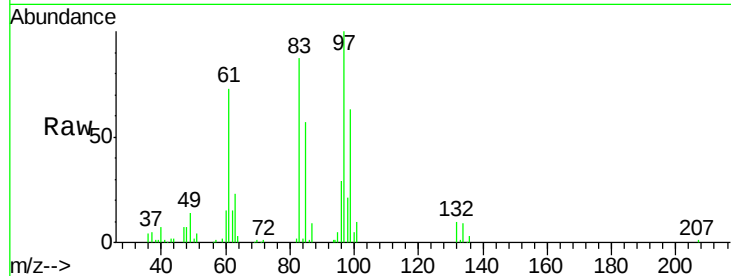




#55
 1,1,2-Trichloroethane
 Concen: 18.851 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010791.D
 Acq: 13 Jun 2019 12:15

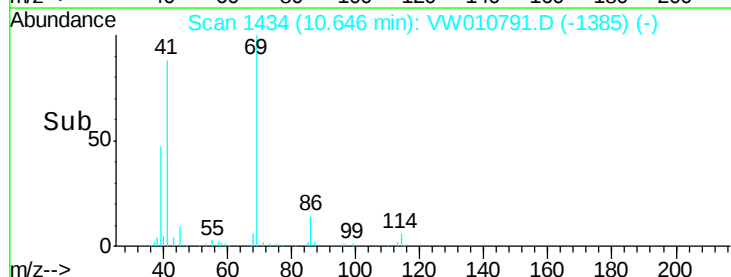
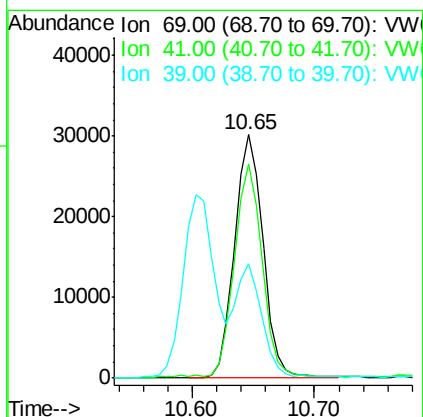
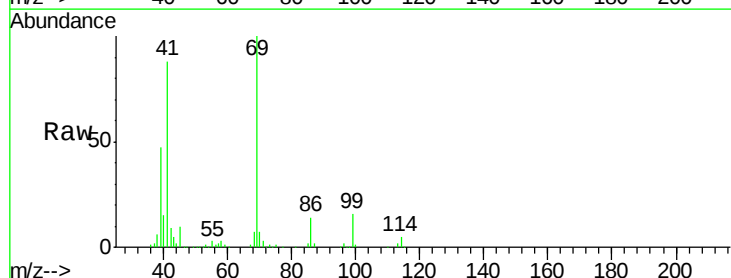
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0613SBS01

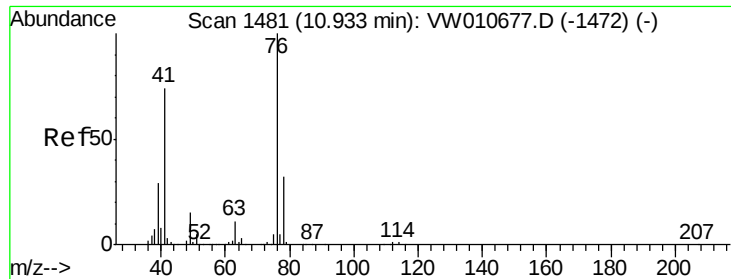
Tot Ion: 97 Resp: 33160
 Ion Ratio Lower Upper
 97 100
 83 87.1 71.1 106.7
 85 57.3 45.2 67.8
 99 63.2 50.0 75.0



#56
 Ethyl methacrylate
 Concen: 17.935 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010791.D
 Acq: 13 Jun 2019 12:15

Tgt Ion: 69 Resp: 48545
 Ion Ratio Lower Upper
 69 100
 41 83.7 64.8 97.2
 39 43.5 32.2 48.2

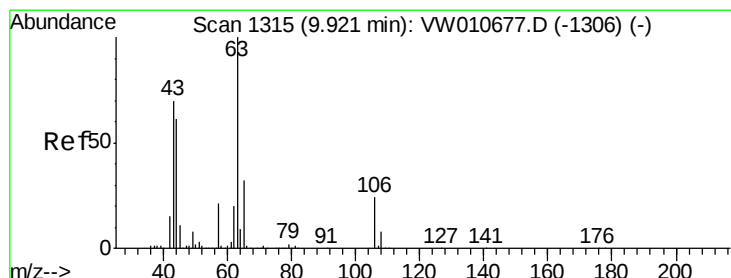
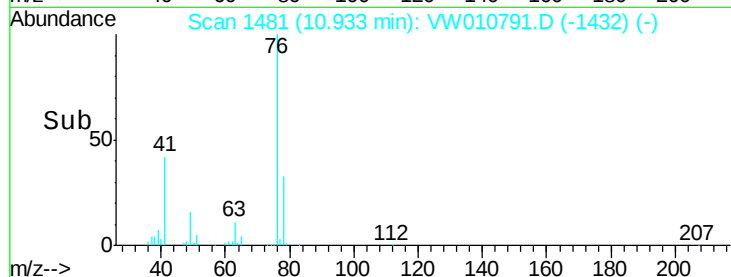
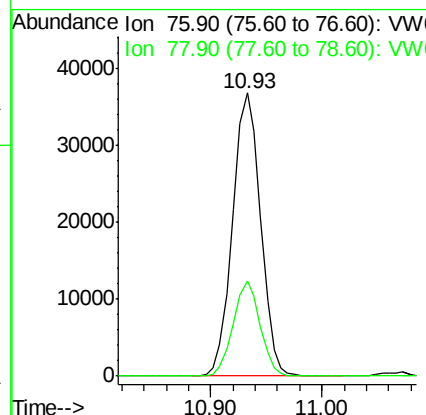
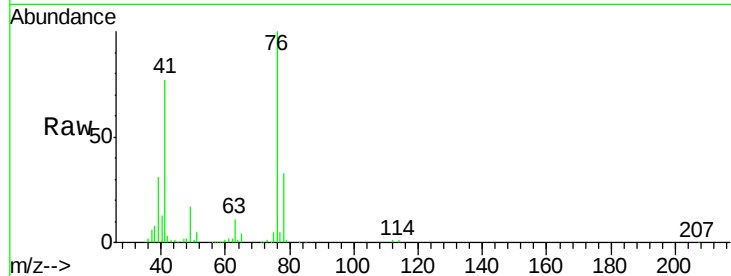




#57
 1,3-Dichloropropane
 Concen: 19.312 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010791.D
 Acq: 13 Jun 2019 12:15

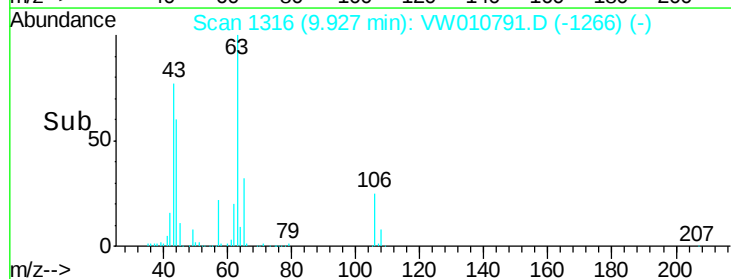
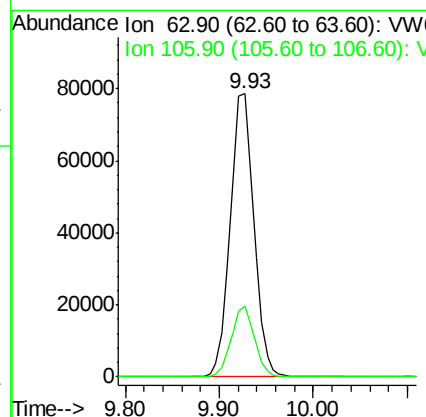
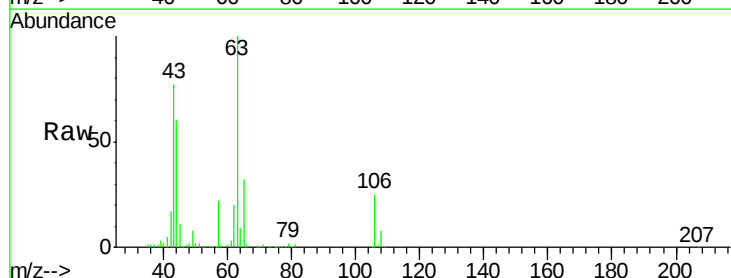
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0613SBS01

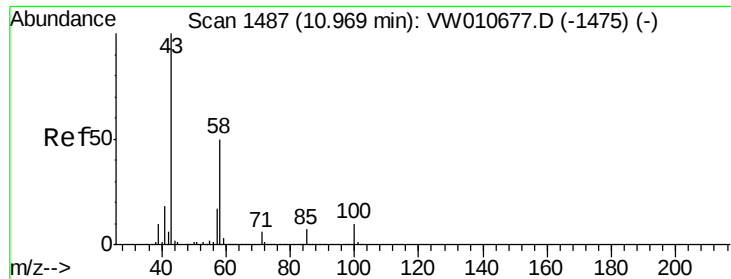
Tot Ion: 76 Resp: 64017
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.097 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW010791.D
 Acq: 13 Jun 2019 12:15

Tgt Ion: 63 Resp: 137654
 Ion Ratio Lower Upper
 63 100
 106 24.5 20.1 30.1

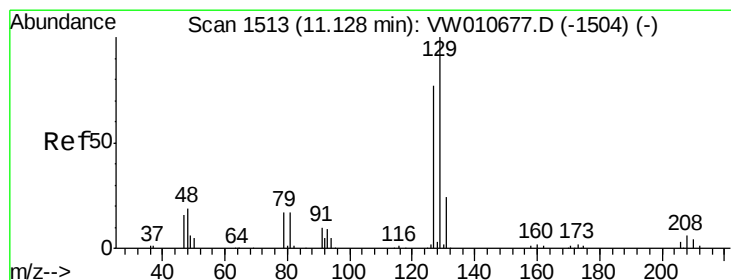
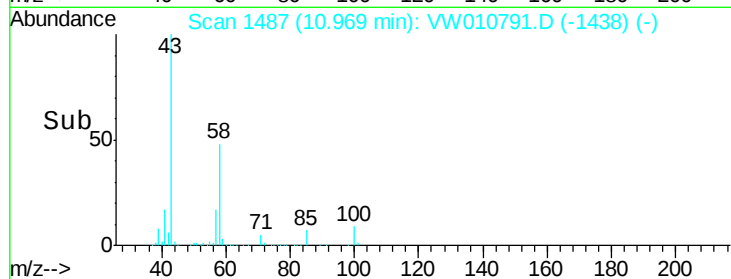
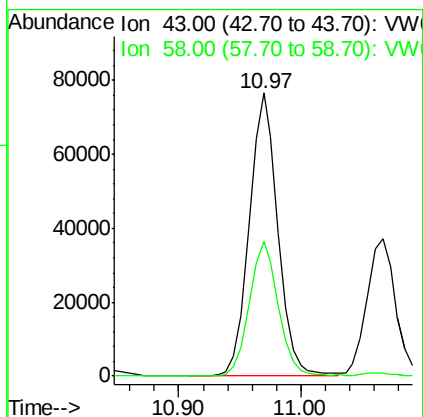
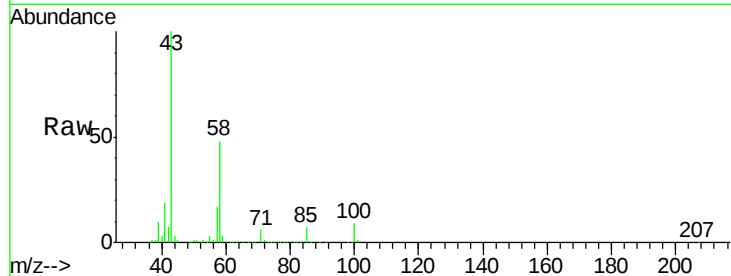




#59
2-Hexanone
Concen: 86.309 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010791.D
Acq: 13 Jun 2019 12:15

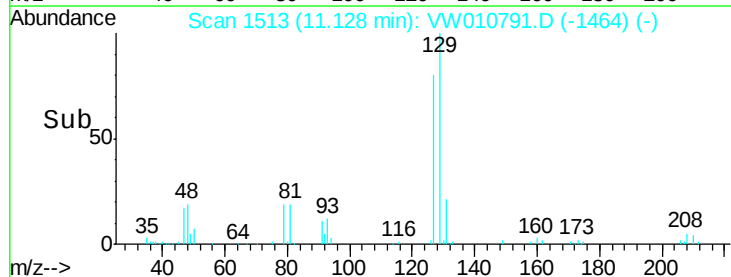
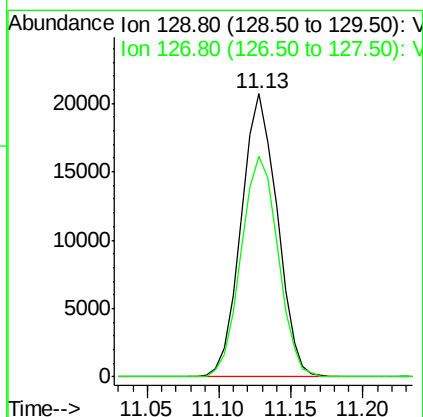
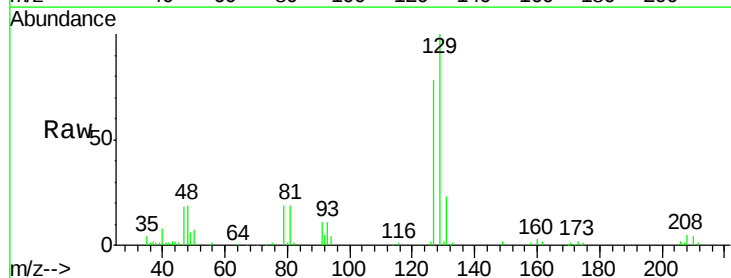
Instrument :
MSVOA_W
ClientSampleId :
VW0613SBS01

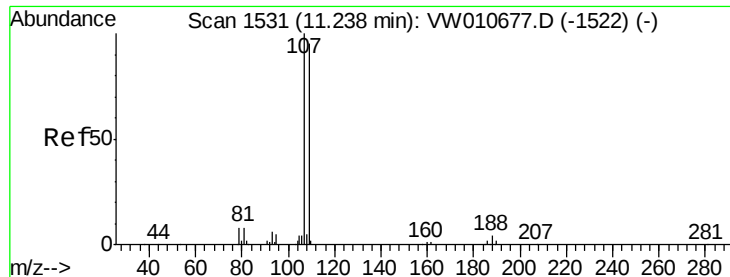
Tot Ion: 43 Resp: 124191
Ion Ratio Lower Upper
43 100
58 48.3 24.9 74.6



#60
Dibromochloromethane
Concen: 18.387 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010791.D
Acq: 13 Jun 2019 12:15

Tgt Ion: 129 Resp: 35853
Ion Ratio Lower Upper
129 100
127 79.8 38.6 116.0





#61

1,2-Dibromoethane

Concen: 18.477 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW010791.D

Acq: 13 Jun 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

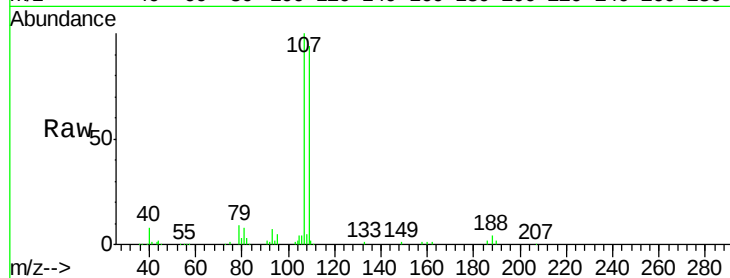
VW0613SBS01

Tot Ion:107 Resp: 30794

Ion Ratio Lower Upper

107 100

109 94.5 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

20000

15000

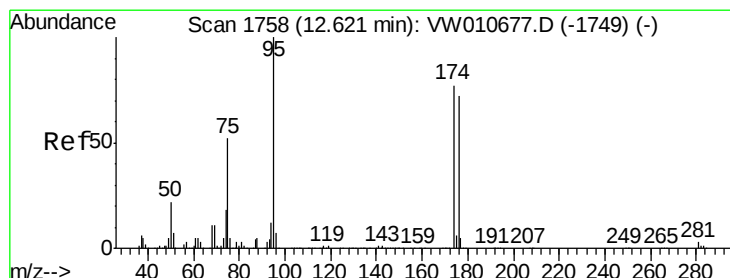
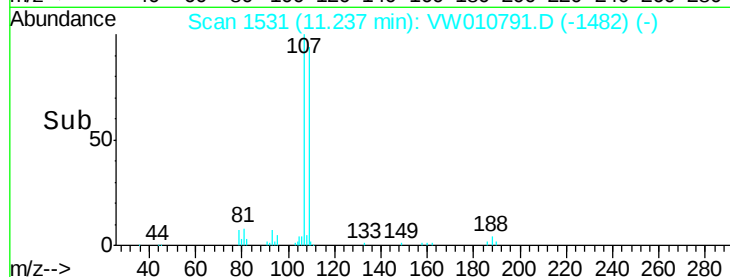
10000

5000

0

Time-->

11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 53.015 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010791.D

Acq: 13 Jun 2019 12:15

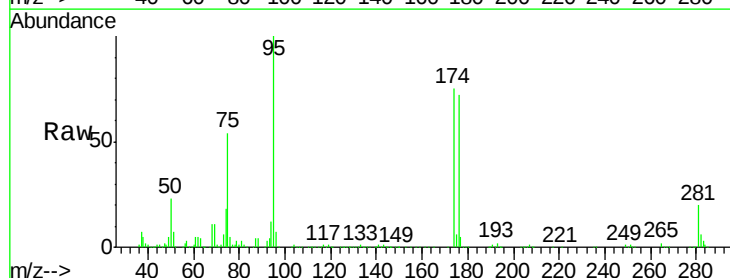
Tgt Ion: 95 Resp: 163292

Ion Ratio Lower Upper

95 100

174 73.2 0.0 150.4

176 70.8 0.0 144.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

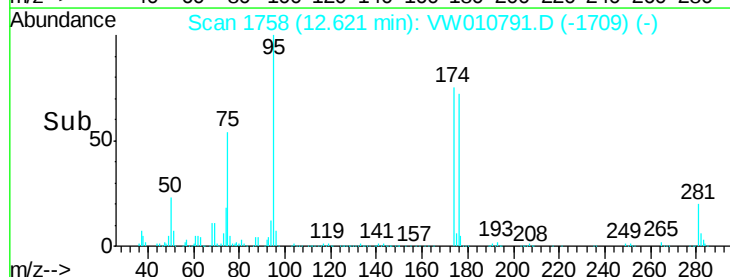
100000

50000

0

Time-->

12.60 12.70

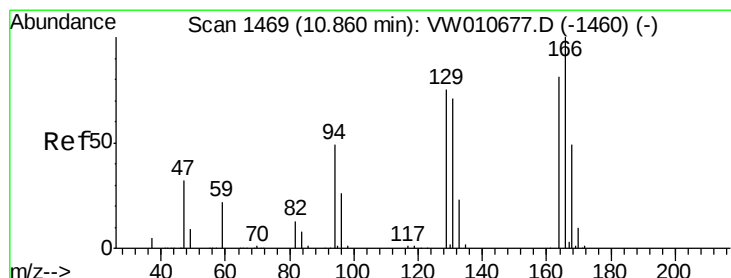
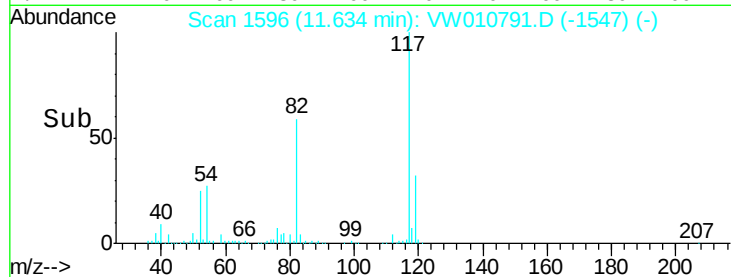
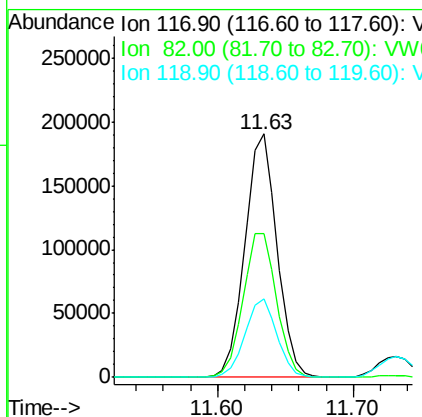
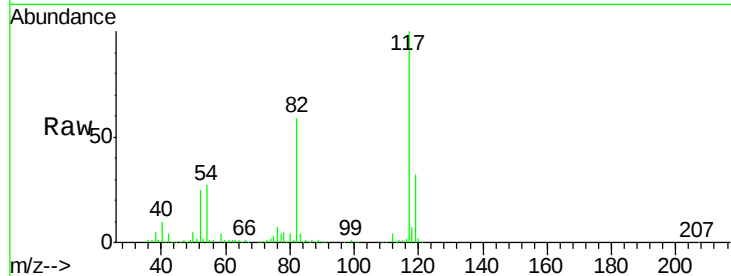




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010791.D
Acq: 13 Jun 2019 12:15

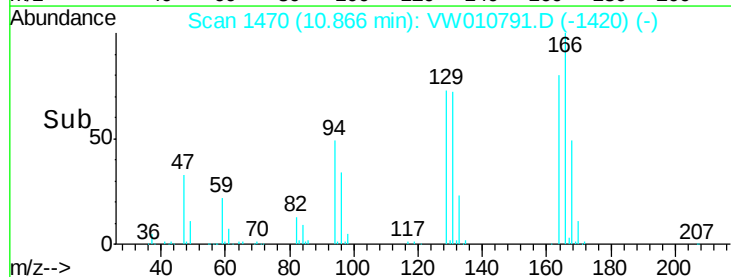
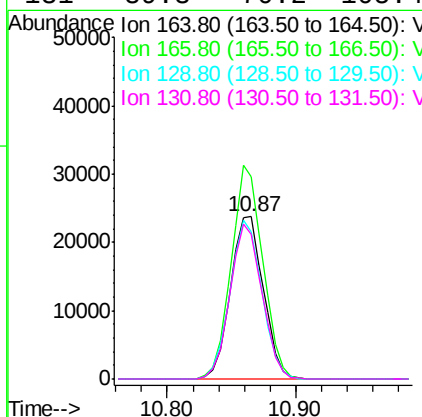
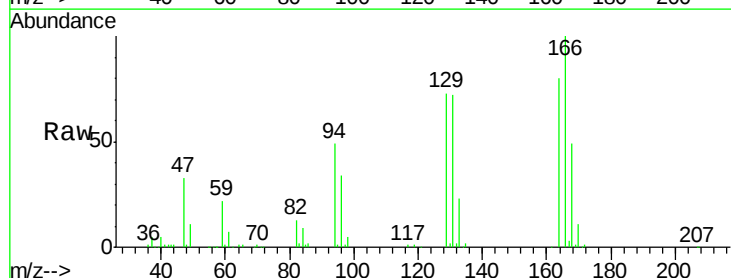
Instrument :
MSVOA_W
ClientSampleId :
VW0613SBS01

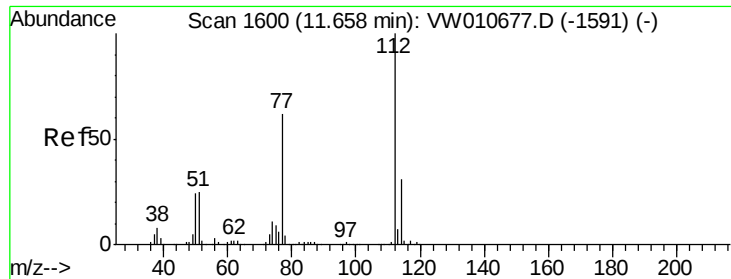
Tot Ion:117 Resp: 315039
Ion Ratio Lower Upper
117 100
82 58.9 47.0 70.4
119 32.1 25.1 37.7



#64
Tetrachloroethene
Concen: 20.125 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW010791.D
Acq: 13 Jun 2019 12:15

Tgt Ion:164 Resp: 42097
Ion Ratio Lower Upper
164 100
166 124.8 99.2 148.8
129 90.7 74.6 112.0
131 89.3 70.2 105.4

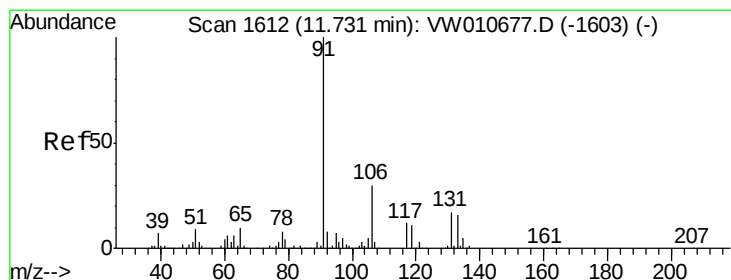
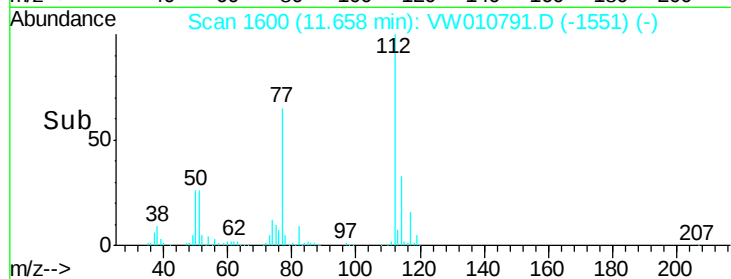
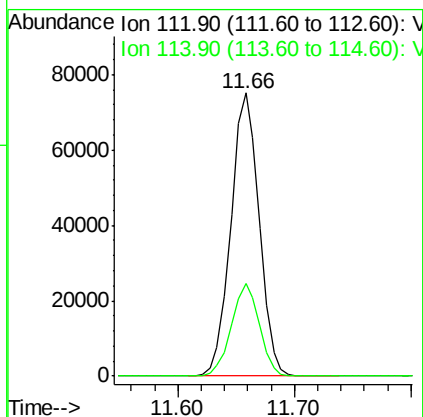
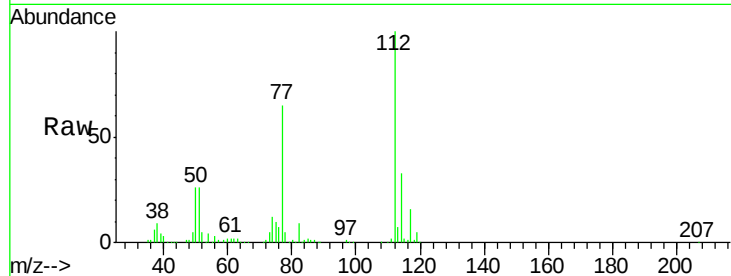




#65
Chlorobenzene
Concen: 20.475 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010791.D
Acq: 13 Jun 2019 12:15

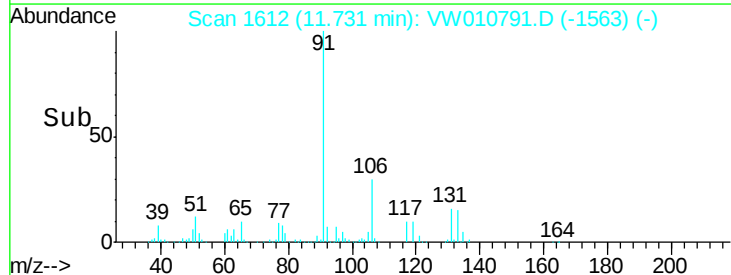
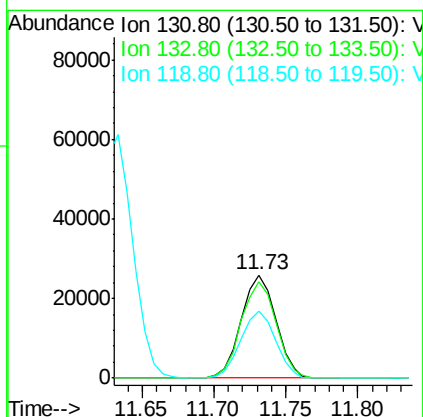
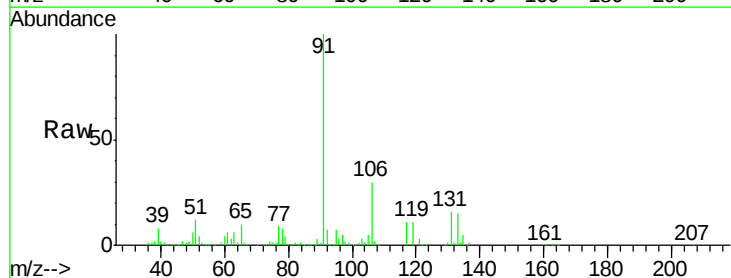
Instrument :
MSVOA_W
ClientSampleId :
VW0613SBS01

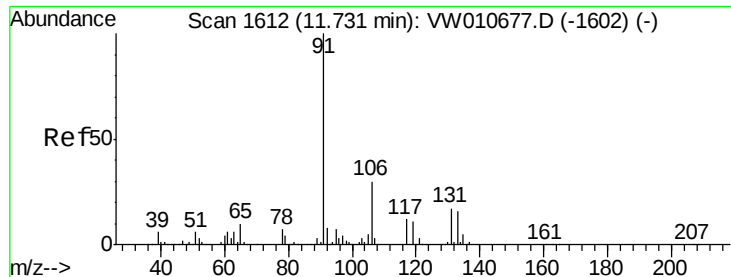
Tot Ion:112 Resp: 126846
Ion Ratio Lower Upper
112 100
114 32.7 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 20.156 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010791.D
Acq: 13 Jun 2019 12:15

Tgt Ion:131 Resp: 43225
Ion Ratio Lower Upper
131 100
133 95.4 47.3 141.9
119 65.9 32.4 97.0

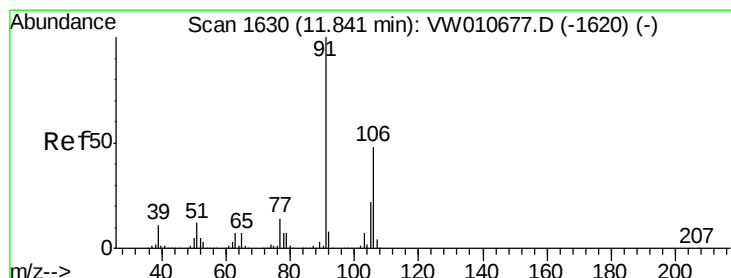
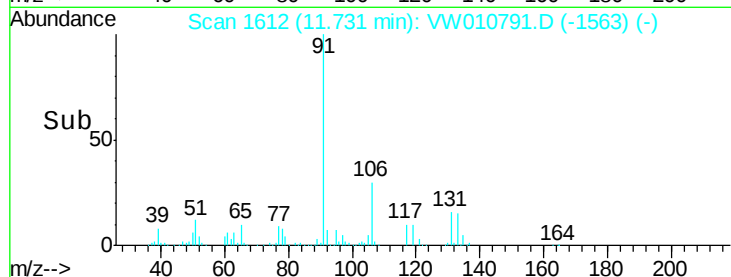
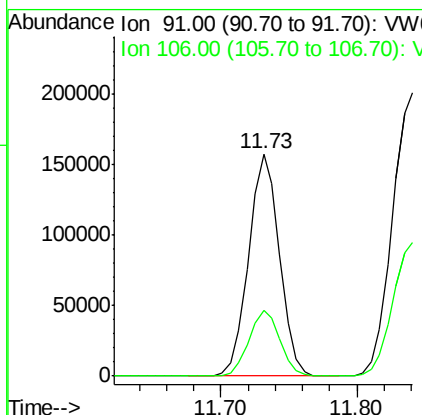
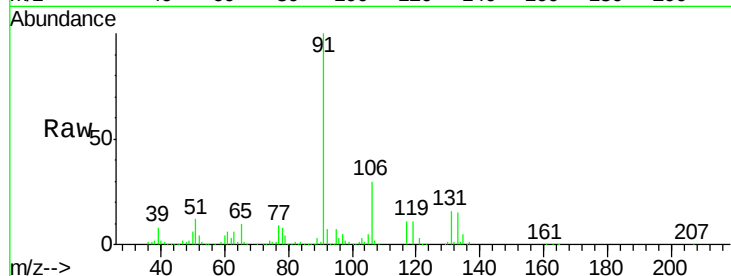




#67
Ethyl Benzene
Concen: 21.061 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010791.D
Acq: 13 Jun 2019 12:15

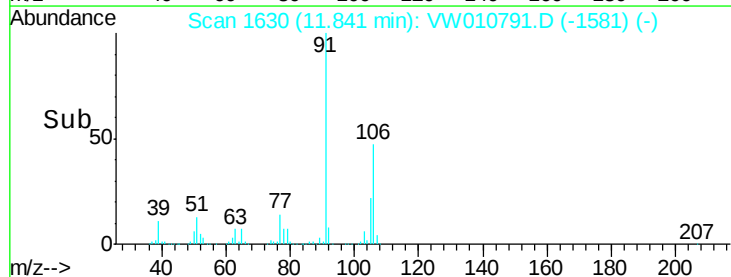
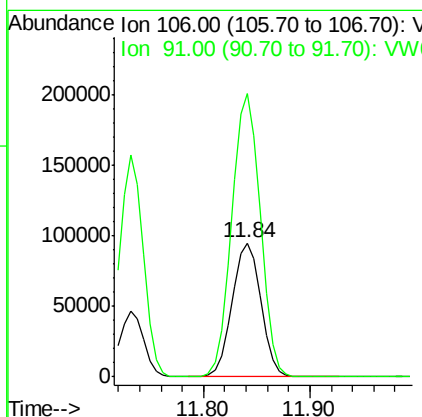
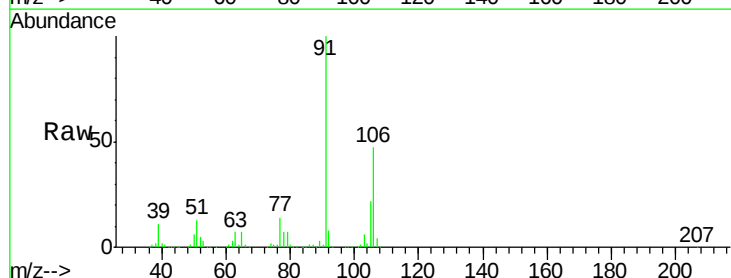
Instrument :
MSVOA_W
ClientSampleId :
VW0613SBS01

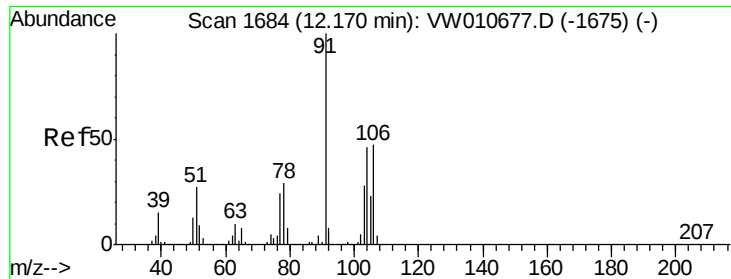
Tot Ion: 91 Resp: 250754
Ion Ratio Lower Upper
91 100
106 29.6 24.2 36.4



#68
m/p-Xylenes
Concen: 42.256 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010791.D
Acq: 13 Jun 2019 12:15

Tgt Ion: 106 Resp: 180102
Ion Ratio Lower Upper
106 100
91 210.0 166.5 249.7

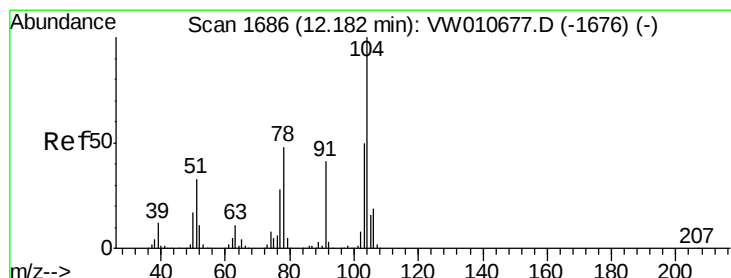
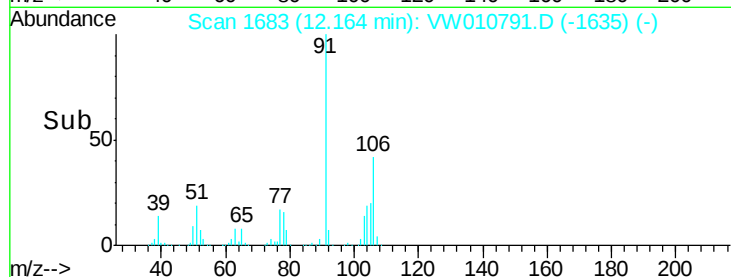
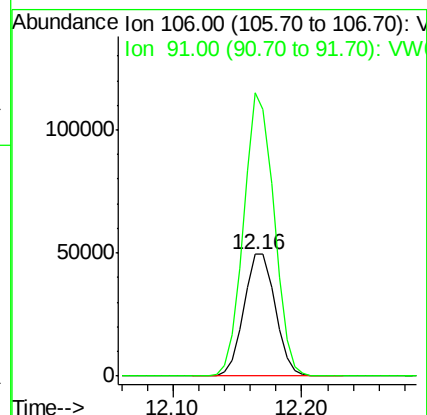
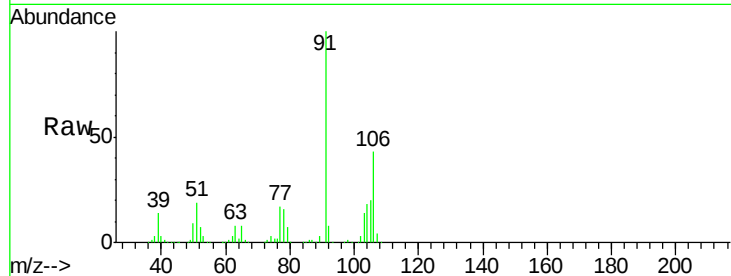




#69
o-Xylene
Concen: 20.637 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010791.D
Acq: 13 Jun 2019 12:15

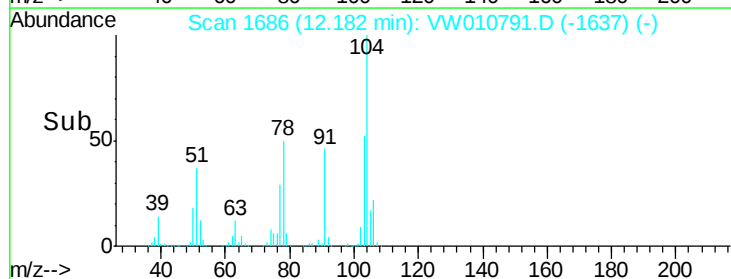
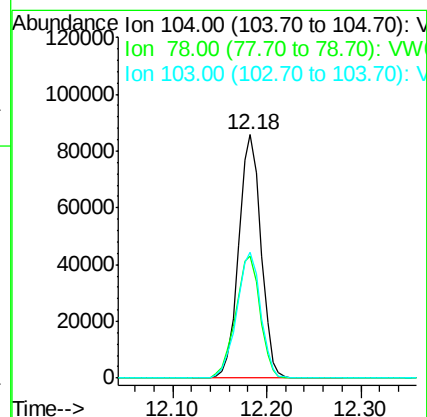
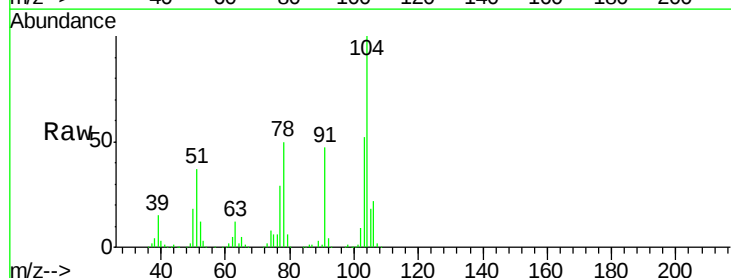
Instrument :
MSVOA_W
ClientSampled :
VW0613SBS01

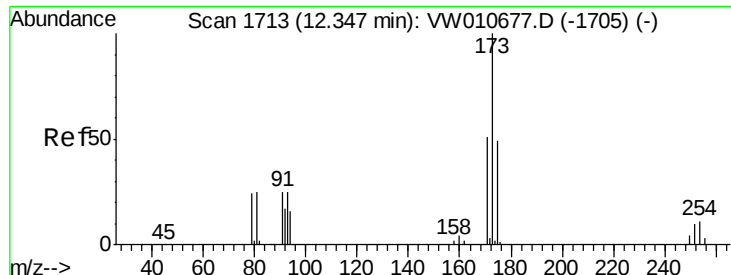
Tot Ion:106 Resp: 83420
Ion Ratio Lower Upper
106 100
91 224.6 108.9 326.6



#70
Styrene
Concen: 20.018 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010791.D
Acq: 13 Jun 2019 12:15

Tgt Ion:104 Resp: 140569
Ion Ratio Lower Upper
104 100
78 55.1 42.7 64.1
103 55.4 43.6 65.4

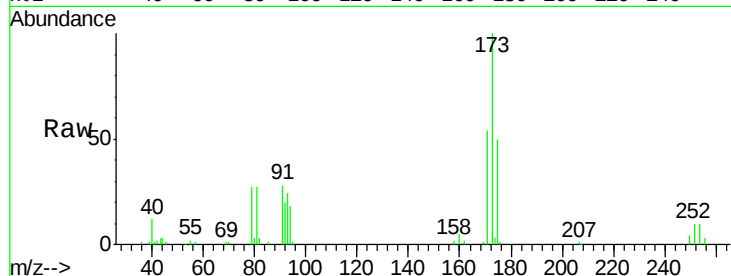




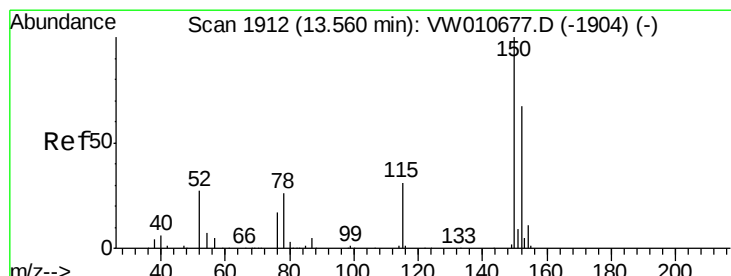
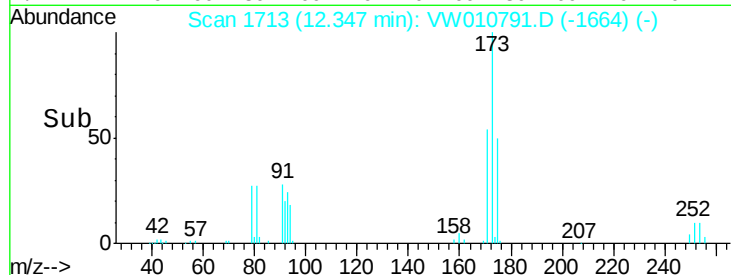
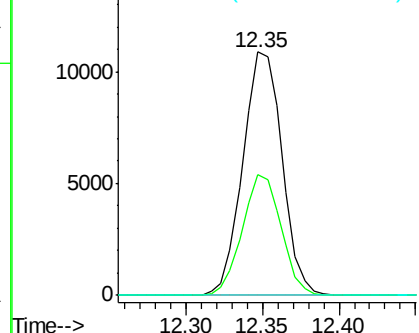
#71
Bromoform
Concen: 17.479 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW010791.D
Acq: 13 Jun 2019 12:15

Instrument :
MSVOA_W
ClientSampleId :
VW0613SBS01

Tot Ion:173 Resp: 19387
Ion Ratio Lower Upper
173 100
175 49.0 24.3 72.8
254 0.0 0.1 0.1#

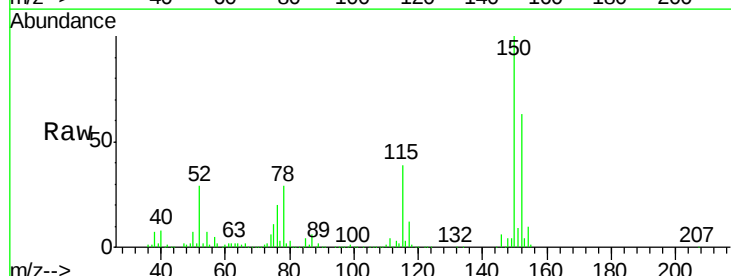


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

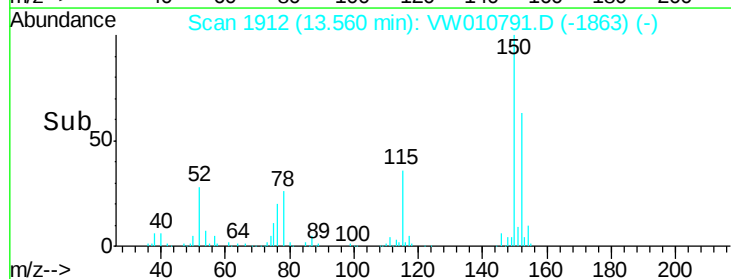
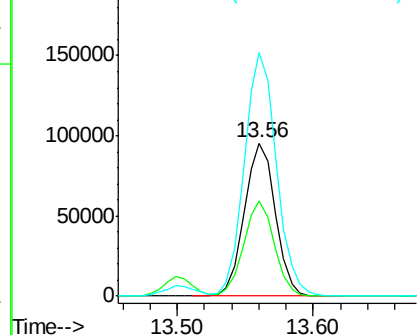


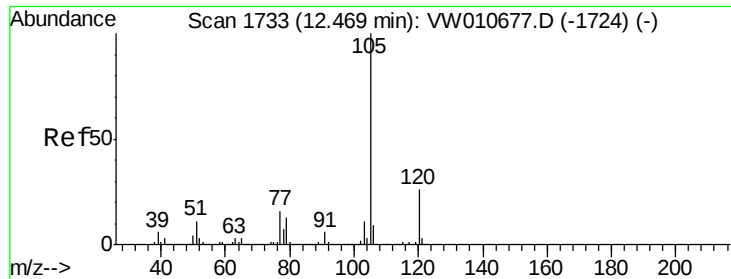
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010791.D
Acq: 13 Jun 2019 12:15

Tgt Ion:152 Resp: 151385
Ion Ratio Lower Upper
152 100
115 61.3 29.8 89.3
150 165.5 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: 21.855 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW010791.D

Acq: 13 Jun 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

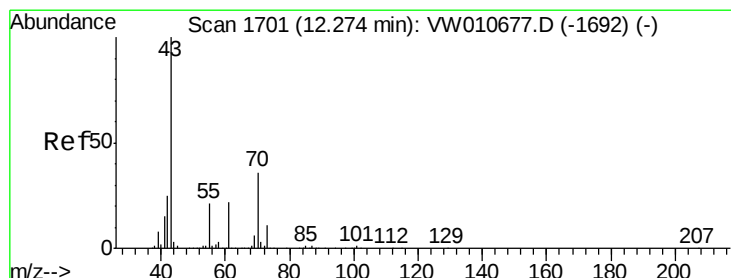
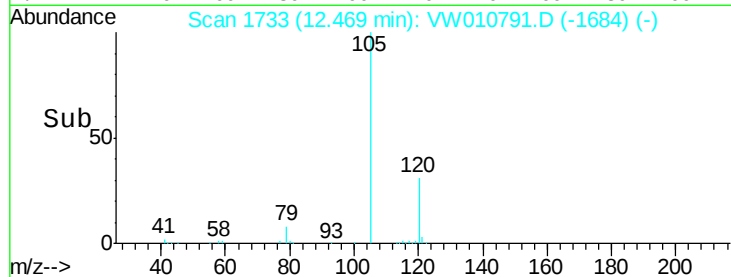
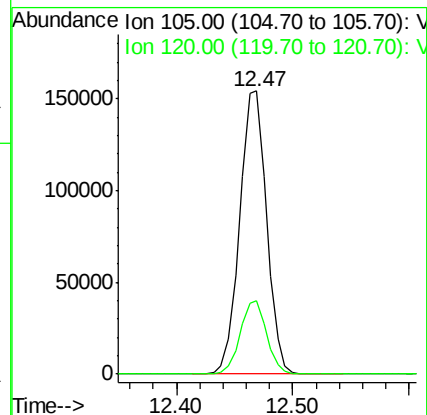
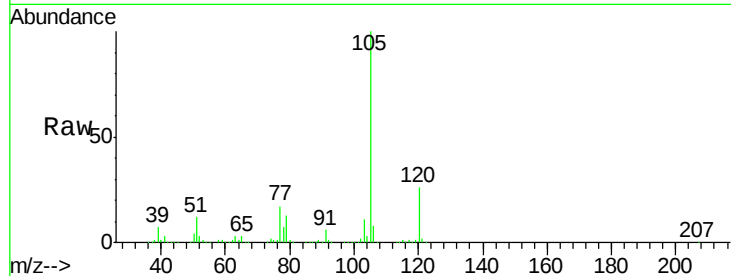
VW0613SBS01

Tot Ion:105 Resp: 248622

Ion Ratio Lower Upper

105 100

120 25.5 13.1 39.1



#74

N-ethyl acetate

Concen: 18.441 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010791.D

Acq: 13 Jun 2019 12:15

Tgt Ion: 43 Resp: 67798

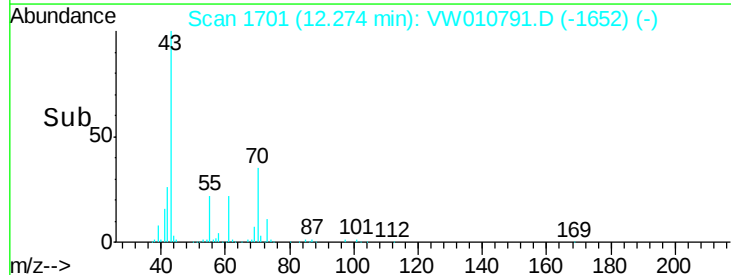
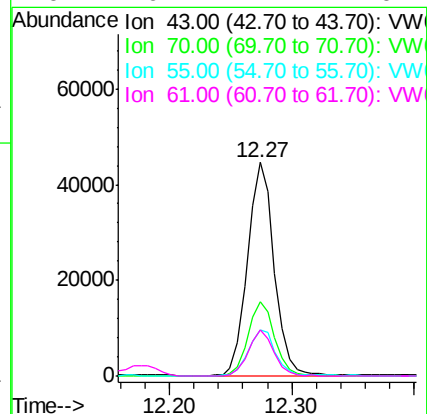
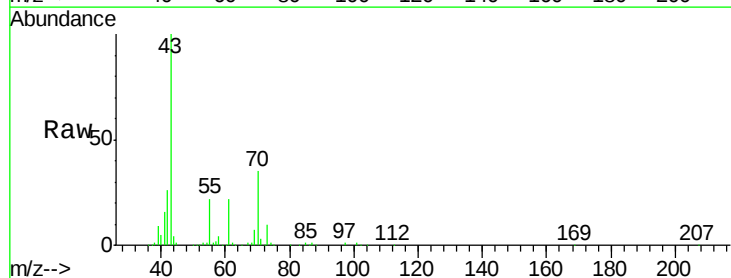
Ion Ratio Lower Upper

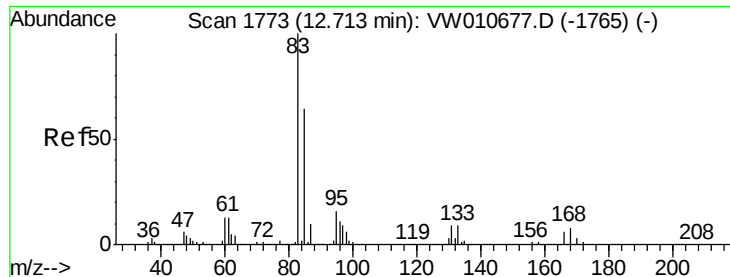
43 100

70 34.9 29.2 43.8

55 22.5 17.5 26.3

61 20.7 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 17.951 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010791.D

Acq: 13 Jun 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

VW0613SBS01

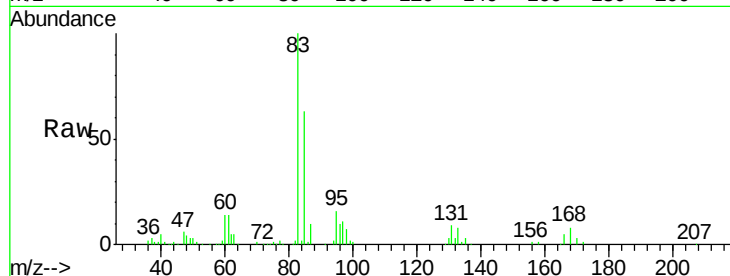
Tot Ion: 83 Resp: 38877

Ion Ratio Lower Upper

83 100

131 9.9 4.9 14.7

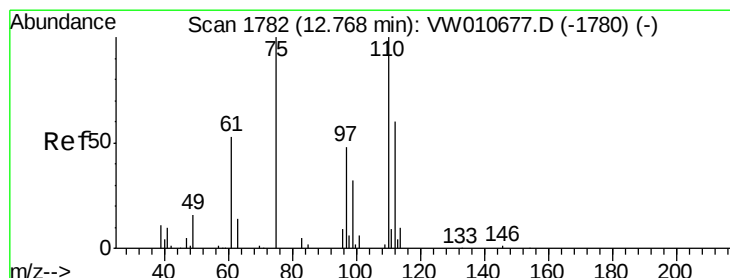
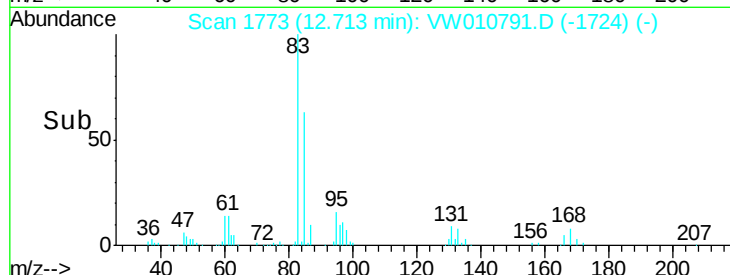
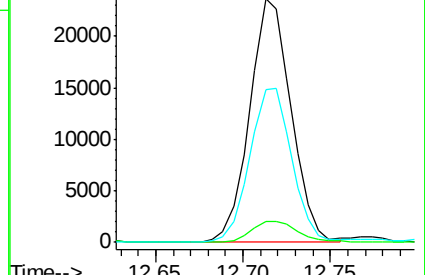
85 64.6 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 18.500 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010791.D

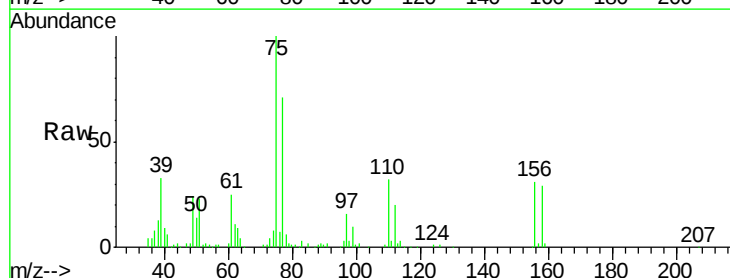
Acq: 13 Jun 2019 12:15

Tgt Ion: 75 Resp: 29410

Ion Ratio Lower Upper

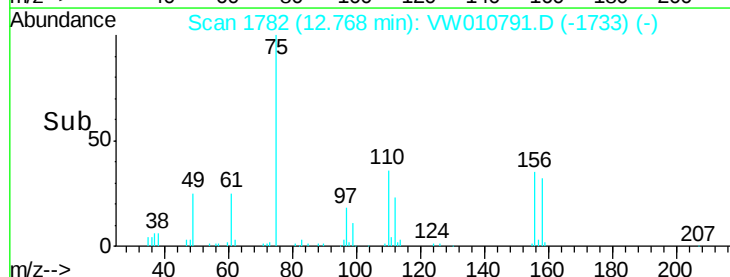
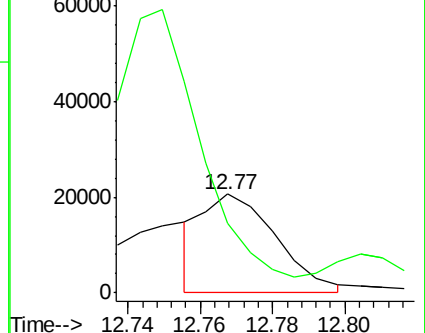
75 100

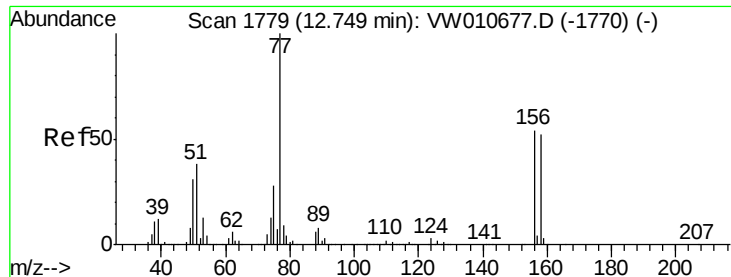
77 364.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.310 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010791.D

Acq: 13 Jun 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

VW0613SBS01

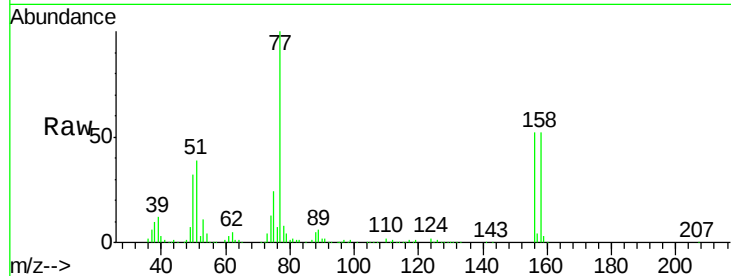
Tot Ion:156 Resp: 50435

Ion Ratio Lower Upper

156 100

77 212.4 106.5 319.4

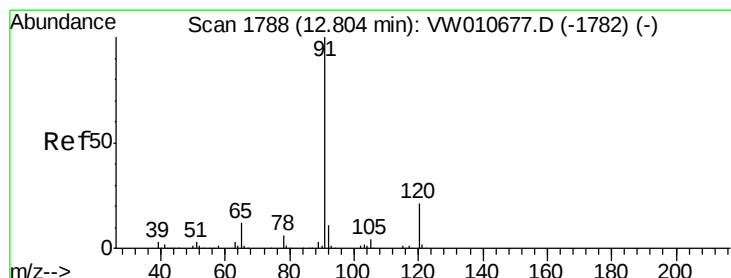
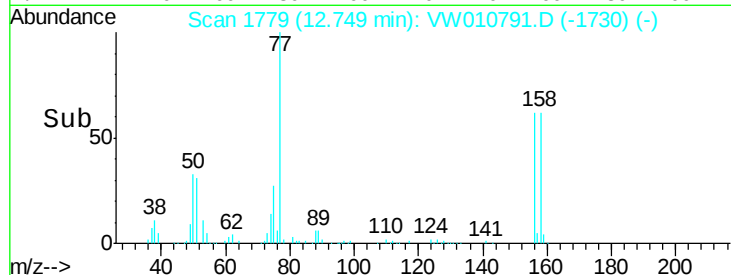
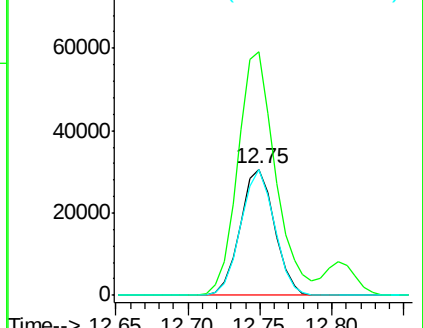
158 97.5 48.3 144.9



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: 22.082 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010791.D

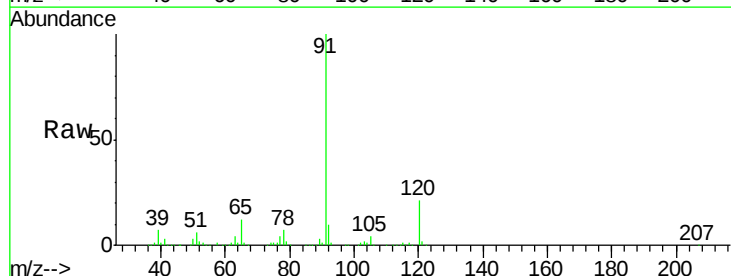
Acq: 13 Jun 2019 12:15

Tgt Ion: 91 Resp: 302906

Ion Ratio Lower Upper

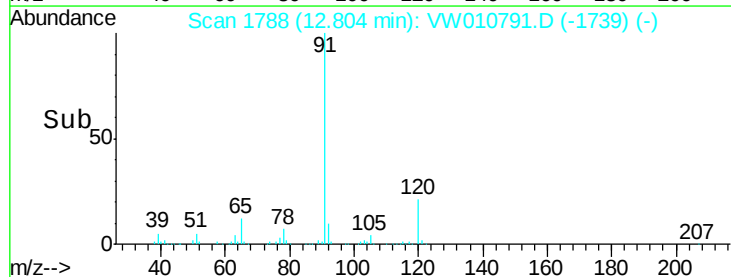
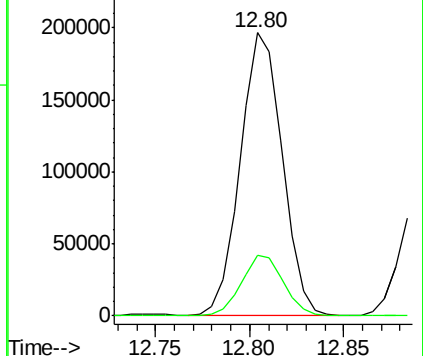
91 100

120 21.5 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: 21.567 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010791.D

Acq: 13 Jun 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

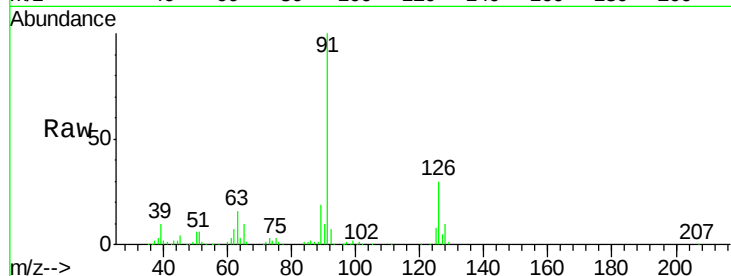
VW0613SBS01

Tot Ion: 91 Resp: 169014

Ion Ratio Lower Upper

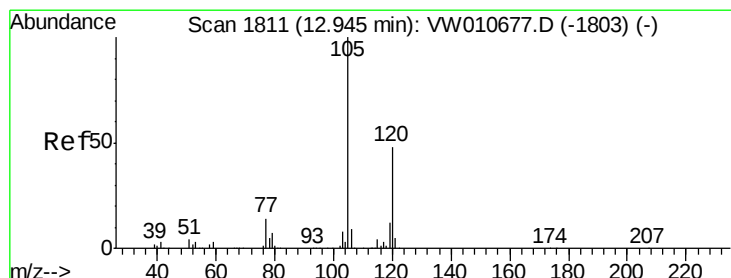
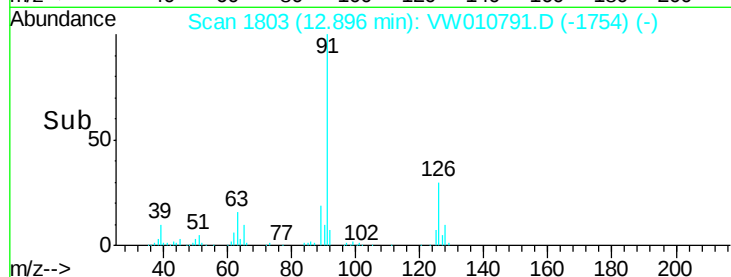
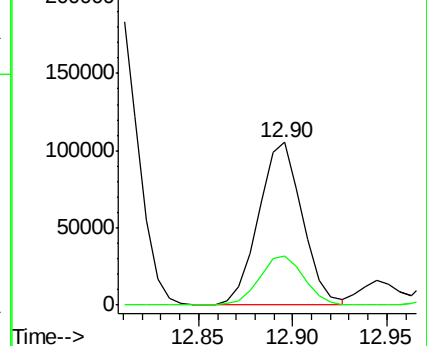
91 100

126 30.9 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 22.150 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010791.D

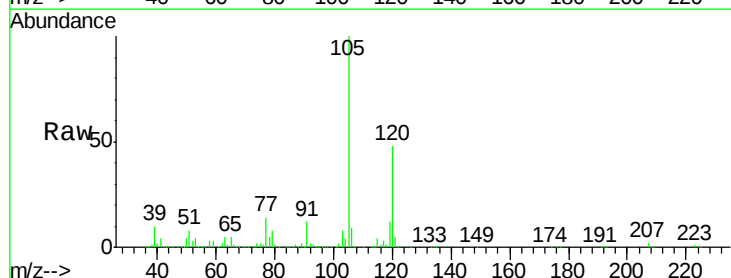
Acq: 13 Jun 2019 12:15

Tgt Ion:105 Resp: 206246

Ion Ratio Lower Upper

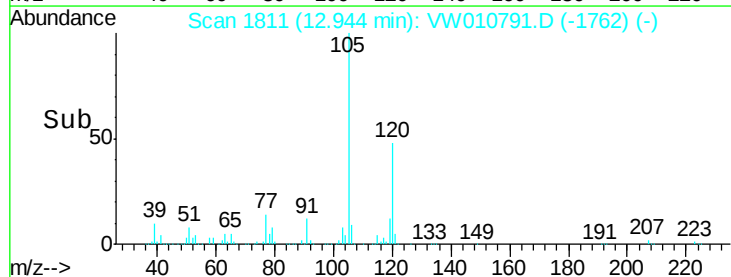
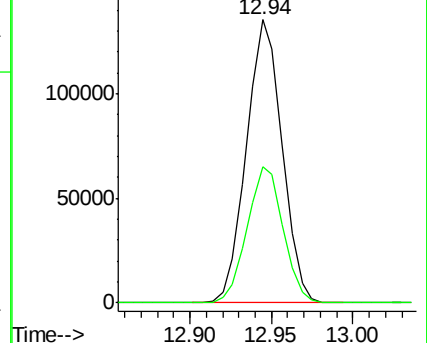
105 100

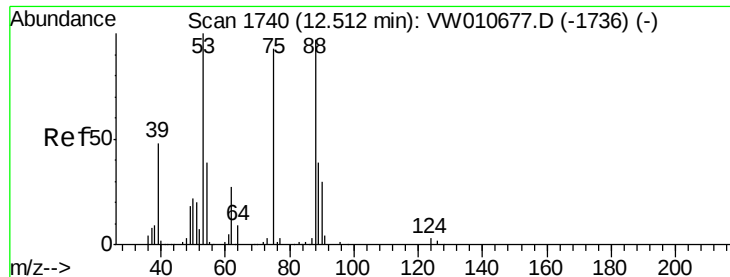
120 48.6 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 16.266 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VW010791.D

Acq: 13 Jun 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

VW0613SBS01

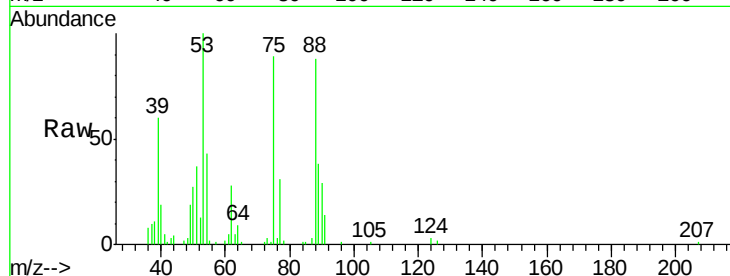
Tot Ion: 75 Resp: 11251

Ion Ratio Lower Upper

75 100

53 123.6 90.1 135.1

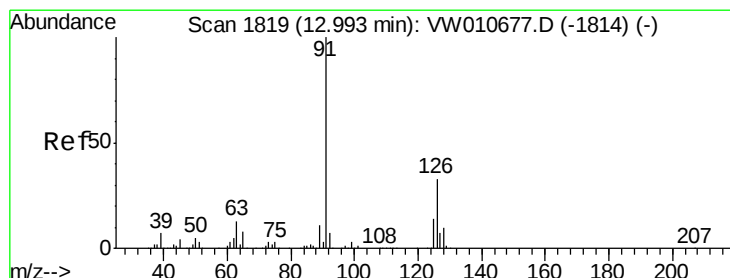
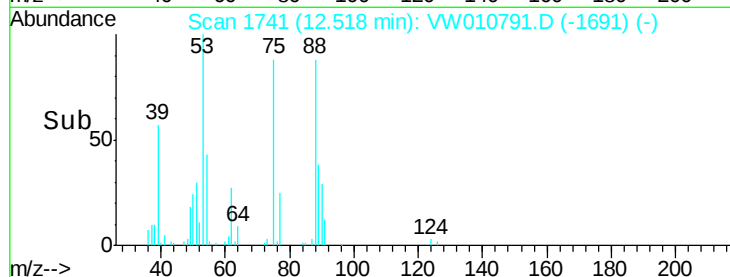
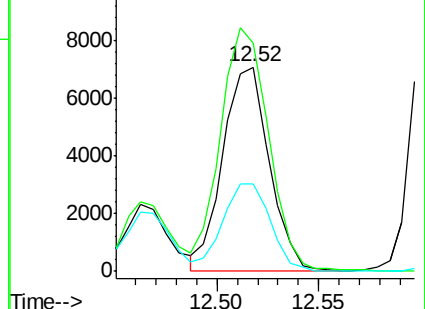
89 44.1 34.6 52.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 21.463 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW010791.D

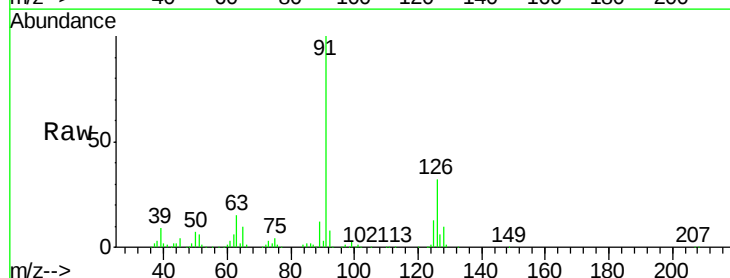
Acq: 13 Jun 2019 12:15

Tgt Ion: 91 Resp: 173580

Ion Ratio Lower Upper

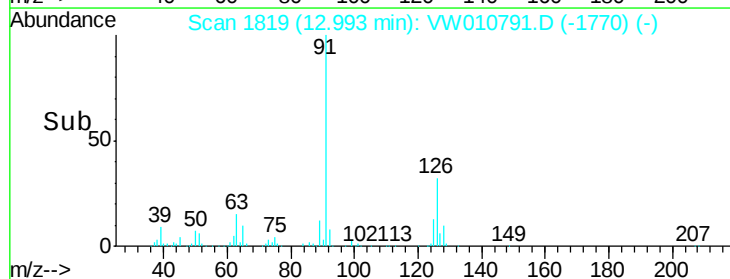
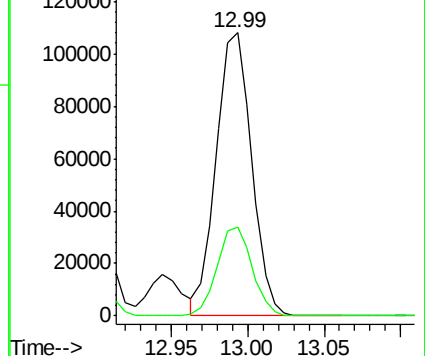
91 100

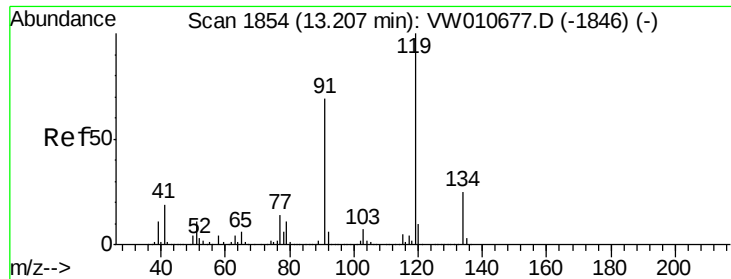
126 31.2 15.9 47.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

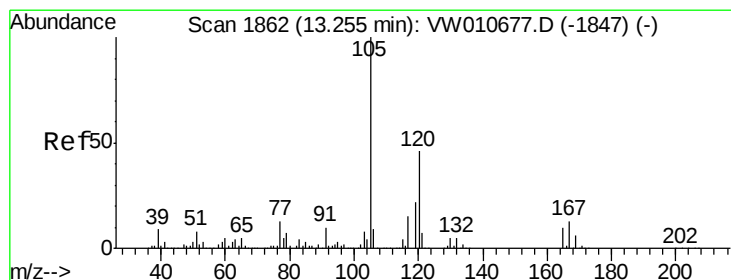
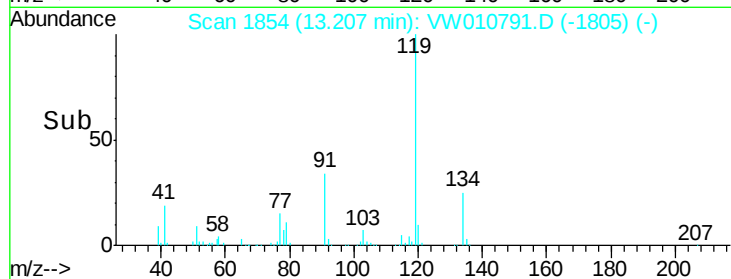
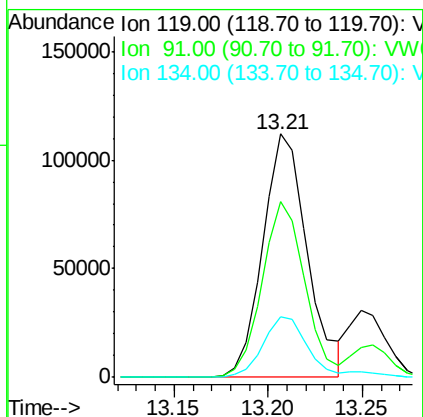
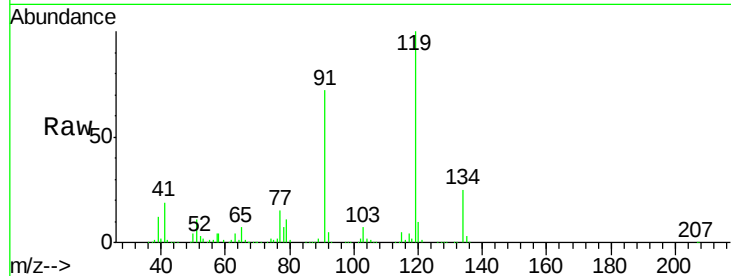




#83
tert-Butylbenzene
Concen: 23.232 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010791.D
Acq: 13 Jun 2019 12:15

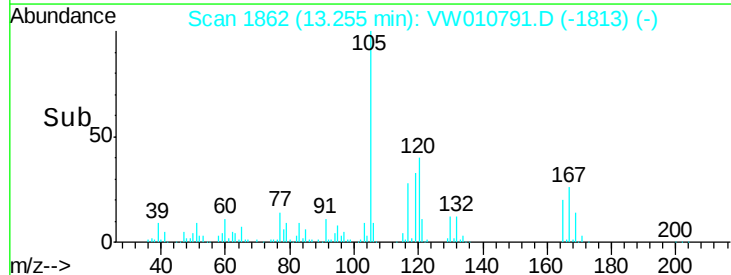
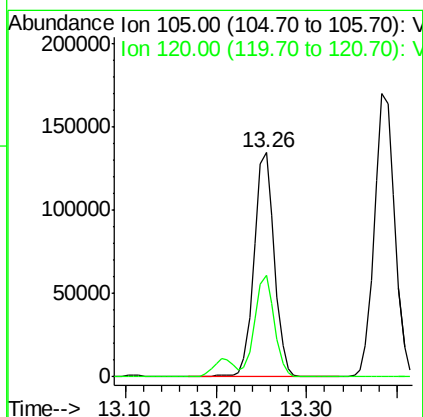
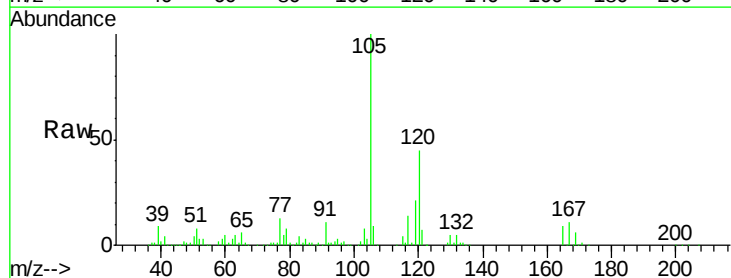
Instrument :
MSVOA_W
ClientSampleId :
VW0613SBS01

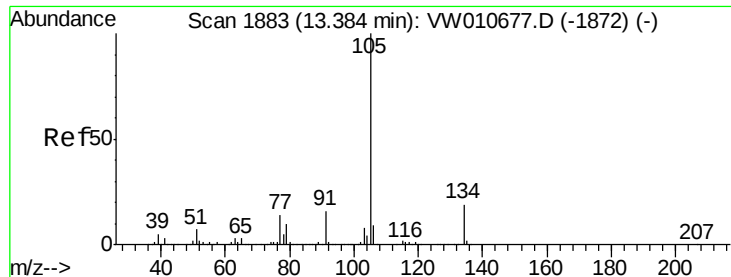
Tot Ion:119 Resp: 183593
Ion Ratio Lower Upper
119 100
91 69.2 35.1 105.3
134 26.1 13.6 40.7



#84
1,2,4-Trimethylbenzene
Concen: 22.087 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010791.D
Acq: 13 Jun 2019 12:15

Tgt Ion:105 Resp: 206952
Ion Ratio Lower Upper
105 100
120 44.3 22.5 67.5

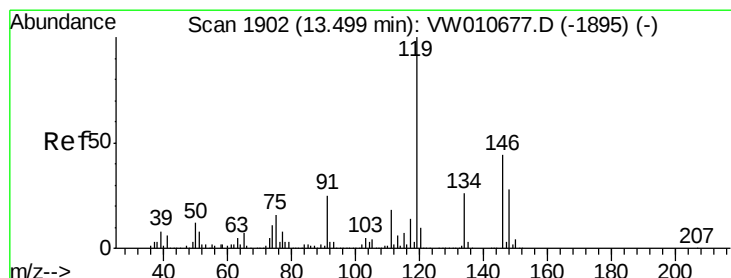
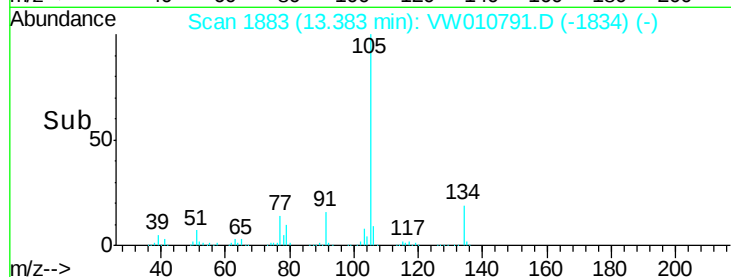
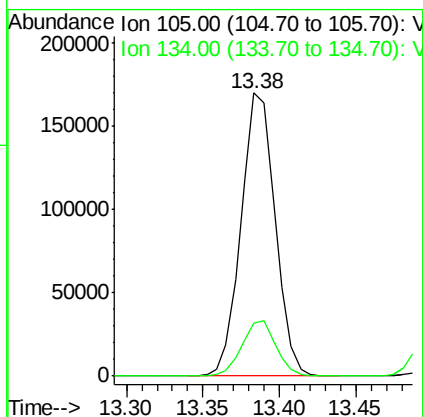
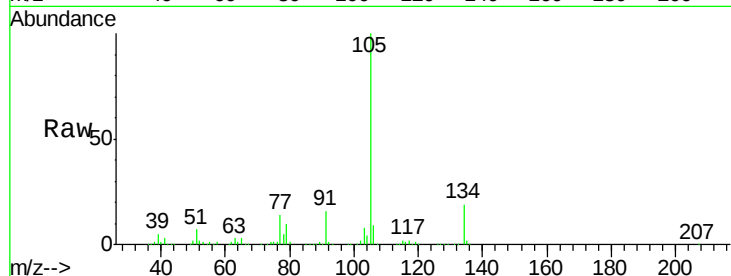




#85
 sec-Butylbenzene
 Concen: 22.851 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010791.D
 Acq: 13 Jun 2019 12:15

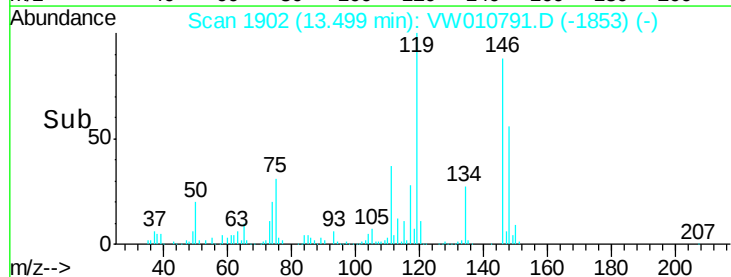
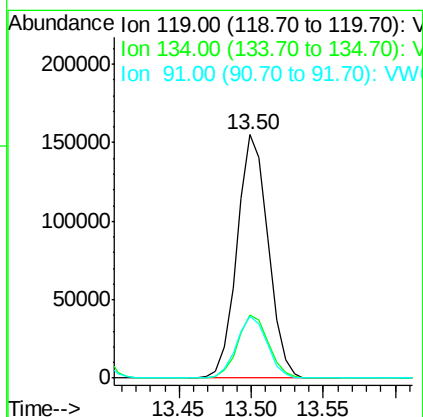
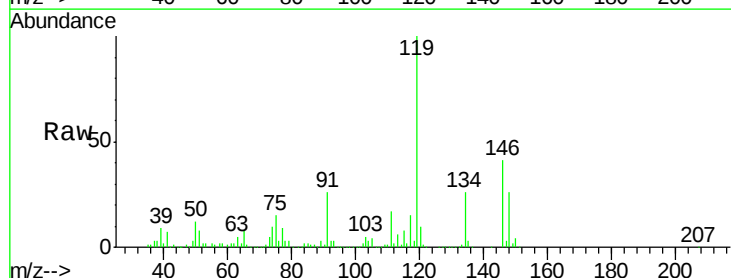
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0613SBS01

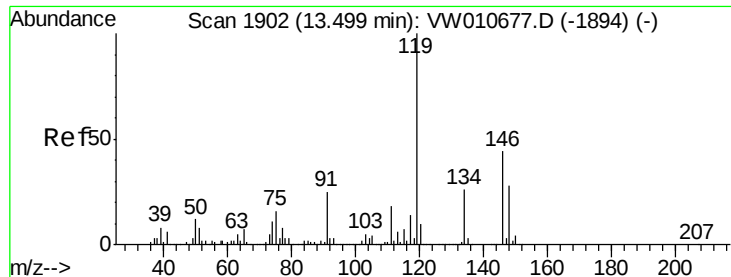
Tot Ion:105 Resp: 262914
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.7 28.9



#86
 p-Isopropyltoluene
 Concen: 22.496 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010791.D
 Acq: 13 Jun 2019 12:15

Tgt Ion:119 Resp: 231459
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.0 39.0
 91 25.1 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 21.456 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010791.D

Acq: 13 Jun 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

VW0613SBS01

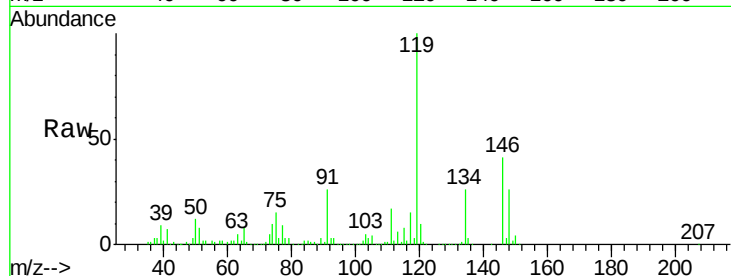
Tot Ion:146 Resp: 102748

Ion Ratio Lower Upper

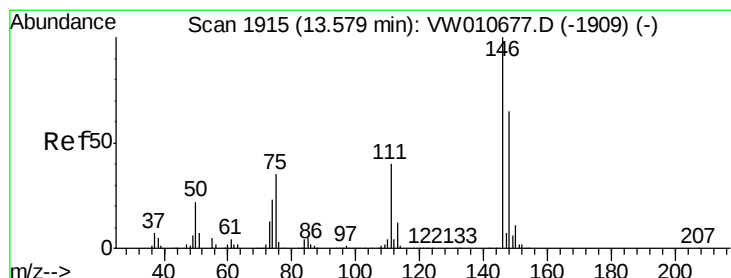
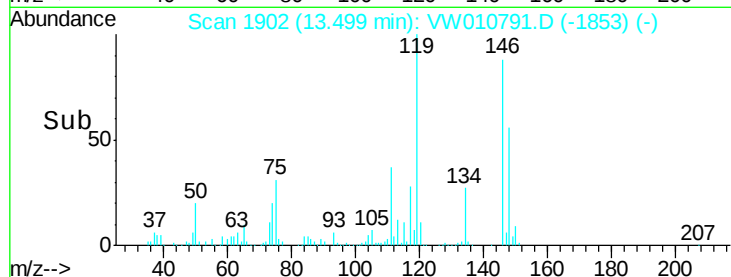
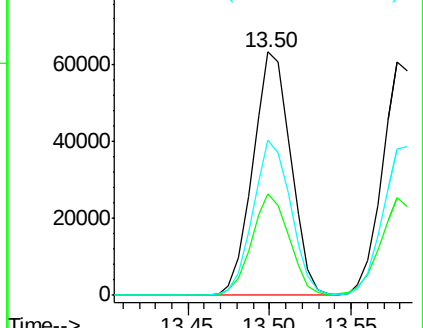
146 100

111 41.3 20.4 61.3

148 63.5 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: 21.043 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW010791.D

Acq: 13 Jun 2019 12:15

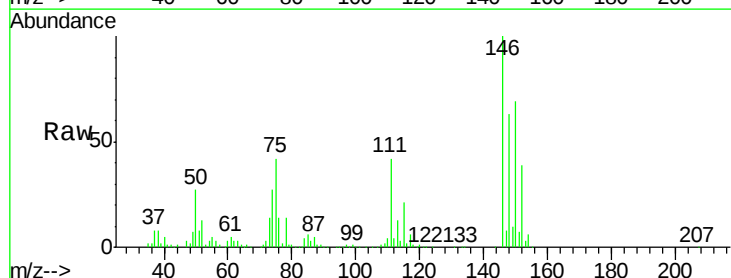
Tgt Ion:146 Resp: 99902

Ion Ratio Lower Upper

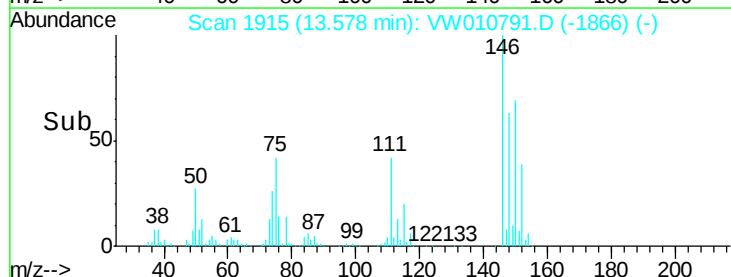
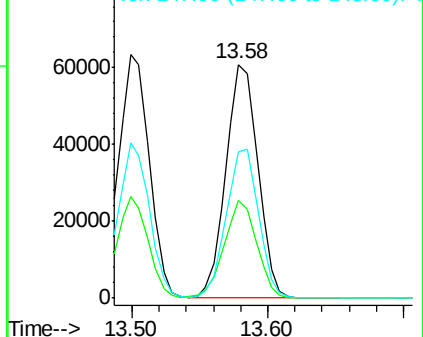
146 100

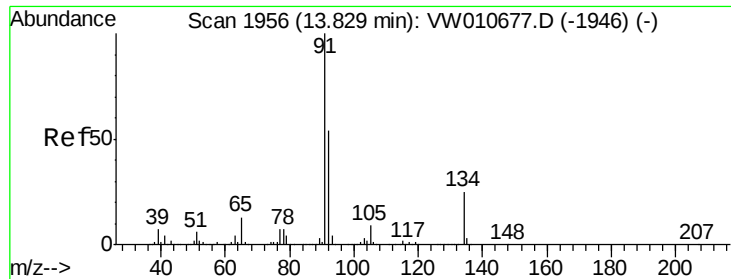
111 42.6 20.3 60.9

148 64.5 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: 22.973 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010791.D

Acq: 13 Jun 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

VW0613SBS01

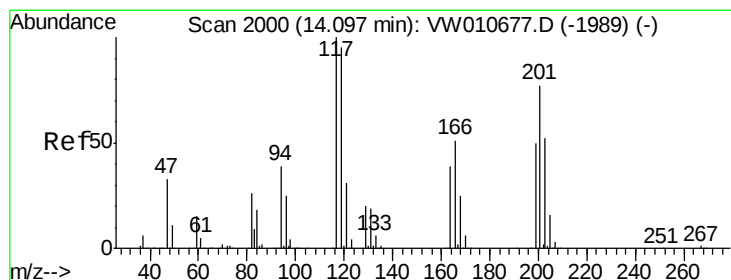
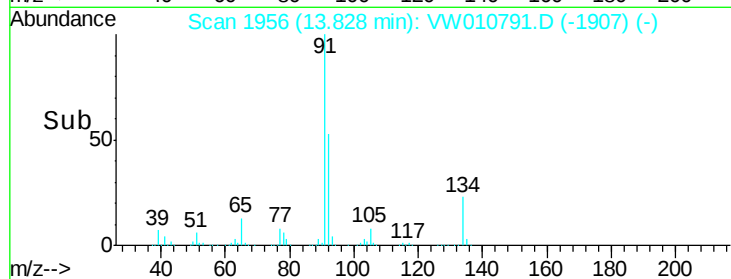
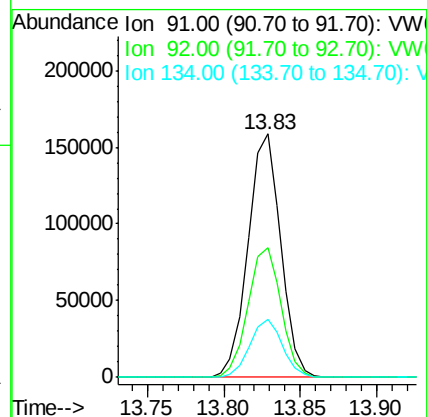
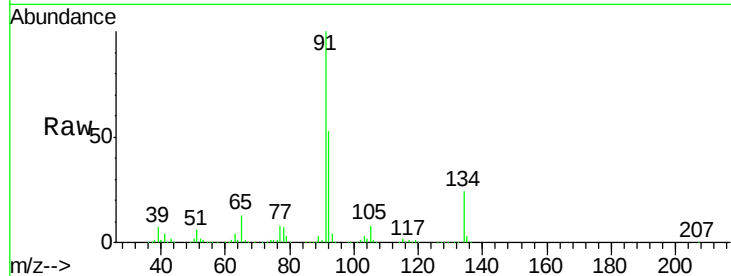
Tot Ion: 91 Resp: 235835

Ion Ratio Lower Upper

91 100

92 54.0 27.3 81.8

134 23.9 12.3 36.9



#90

Hexachloroethane

Concen: 22.269 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010791.D

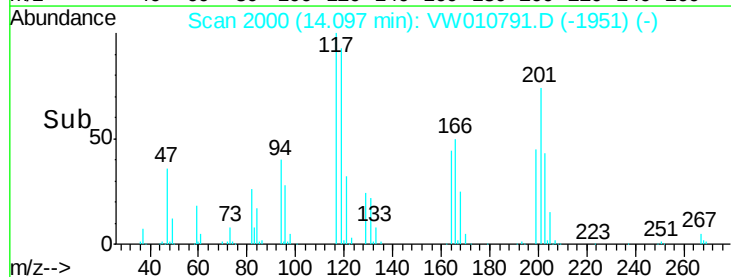
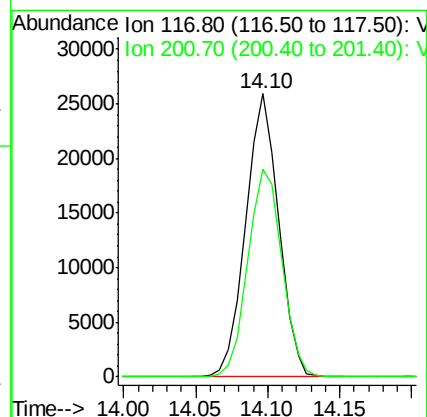
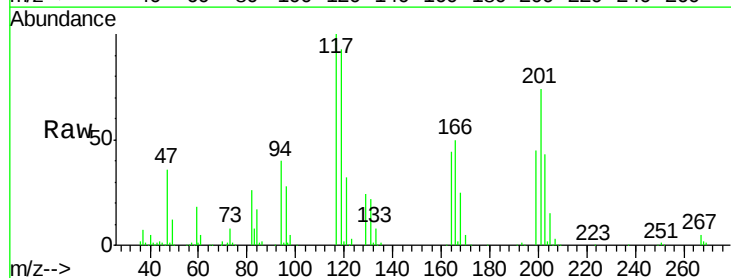
Acq: 13 Jun 2019 12:15

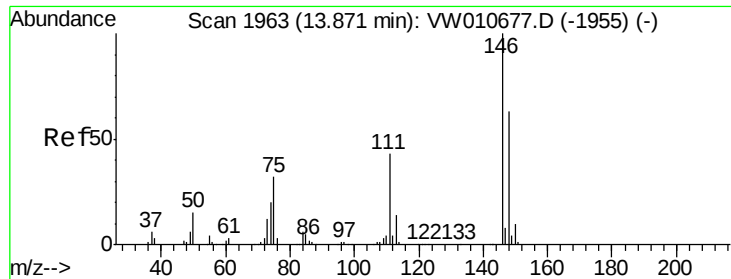
Tgt Ion: 117 Resp: 41033

Ion Ratio Lower Upper

117 100

201 76.1 38.8 116.4





#91

1,2-Dichlorobenzene

Concen: 20.919 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010791.D

Acq: 13 Jun 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

VW0613SBS01

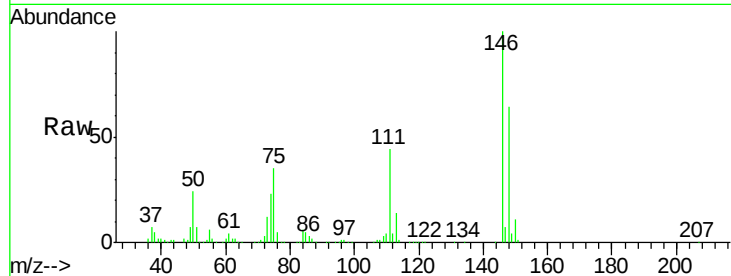
Tot Ion:146 Resp: 90086

Ion Ratio Lower Upper

146 100

111 42.8 21.5 64.5

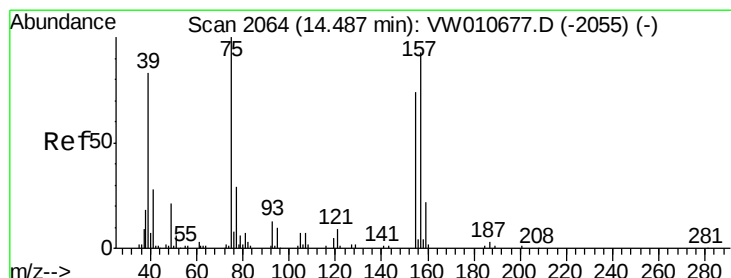
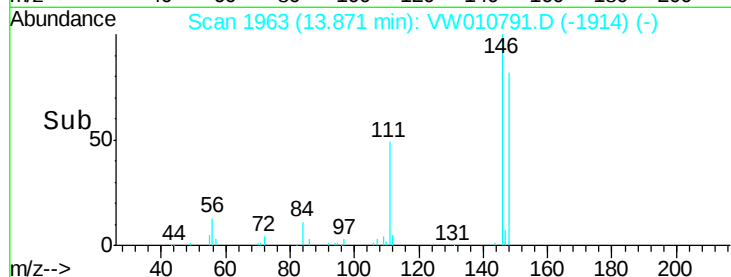
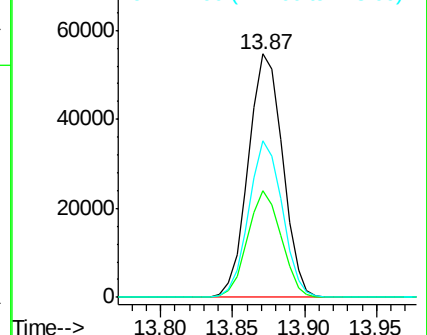
148 62.9 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.596 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW010791.D

Acq: 13 Jun 2019 12:15

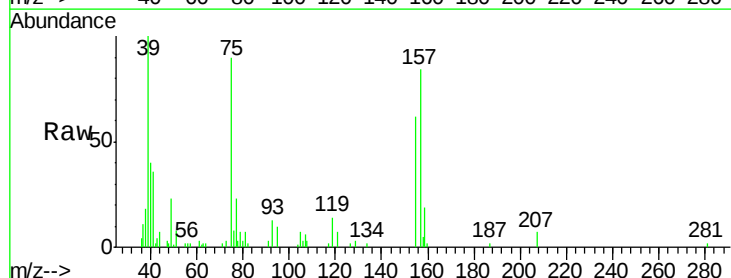
Tgt Ion: 75 Resp: 6544

Ion Ratio Lower Upper

75 100

155 73.7 38.8 116.4

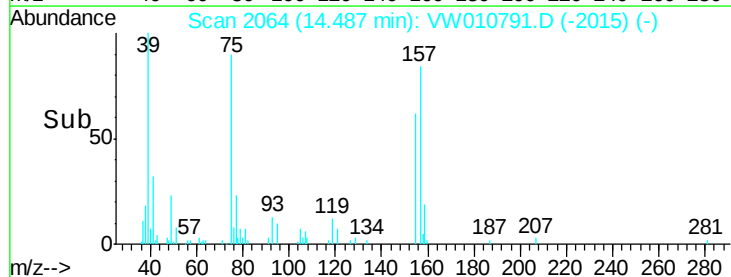
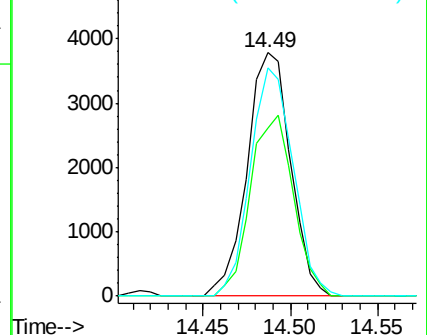
157 92.3 48.4 145.0

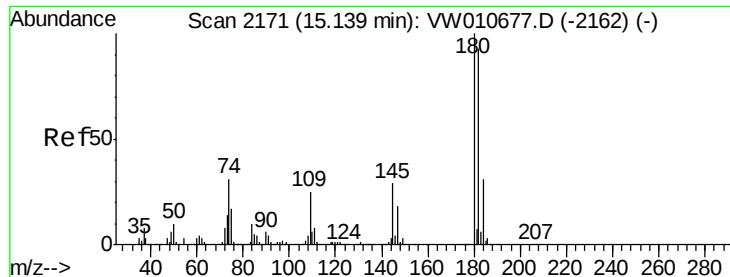


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

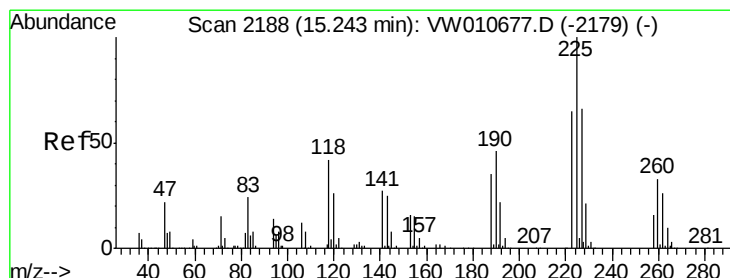
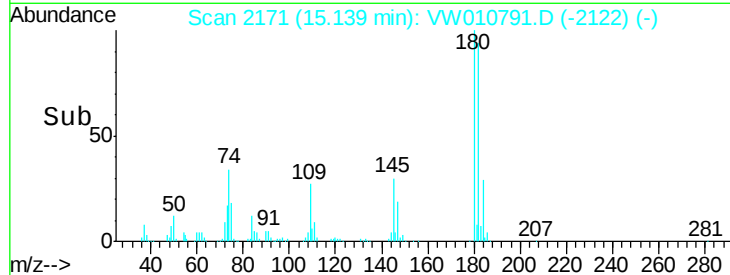
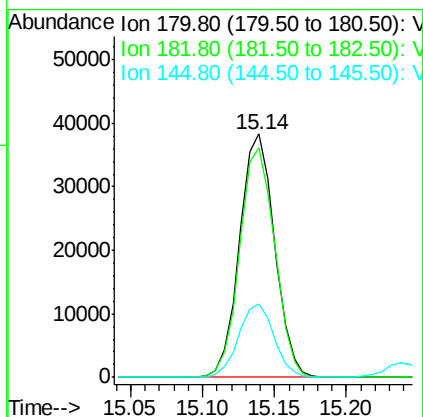
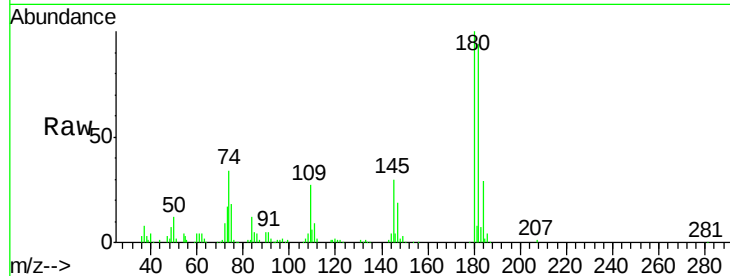




#93
 1,2,4-Trichlorobenzene
 Concen: 21.330 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010791.D
 Acq: 13 Jun 2019 12:15

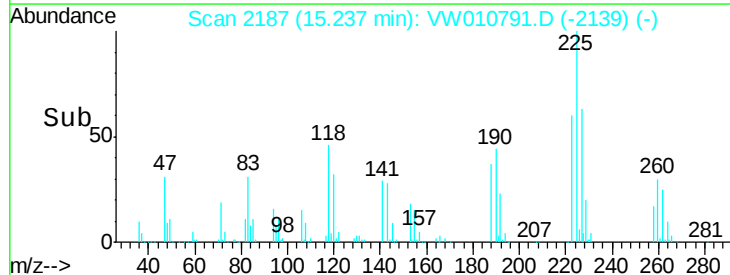
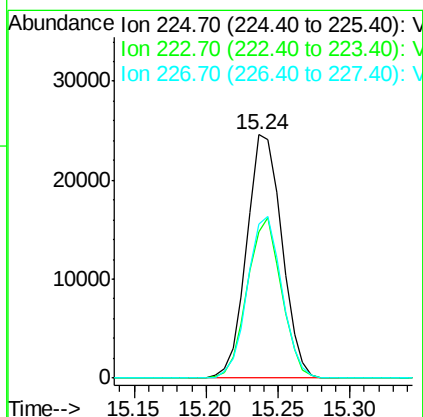
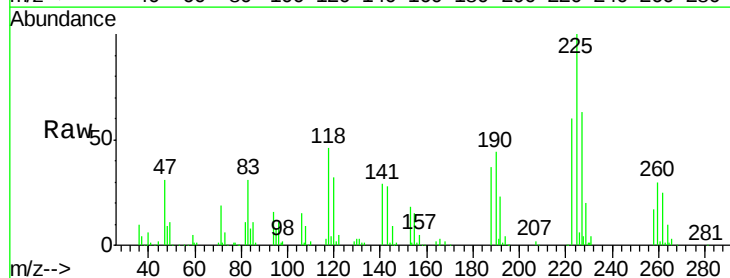
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0613SBS01

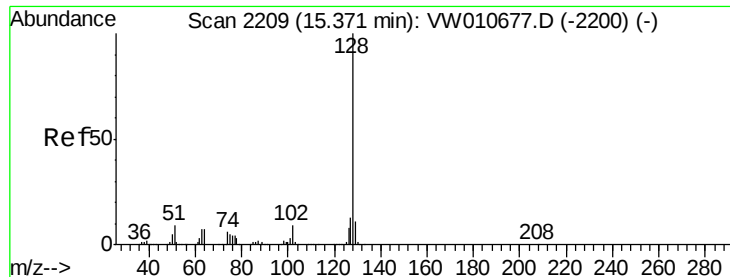
Tot Ion:180 Resp: 64460
 Ion Ratio Lower Upper
 180 100
 182 94.7 47.1 141.4
 145 30.5 15.2 45.5



#94
 Hexachlorobutadiene
 Concen: 21.877 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010791.D
 Acq: 13 Jun 2019 12:15

Tgt Ion:225 Resp: 41493
 Ion Ratio Lower Upper
 225 100
 223 63.6 32.2 96.6
 227 64.9 32.0 96.0





#95

Naphthalene

Concen: 17.652 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010791.D

Acq: 13 Jun 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

VW0613SBS01

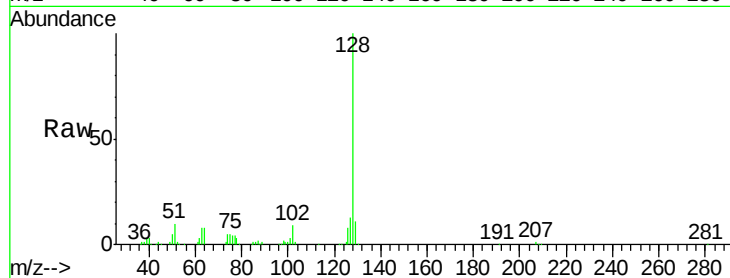
Tot Ion:128 Resp: 96925

Ion Ratio Lower Upper

128 100

127 12.9 10.6 15.8

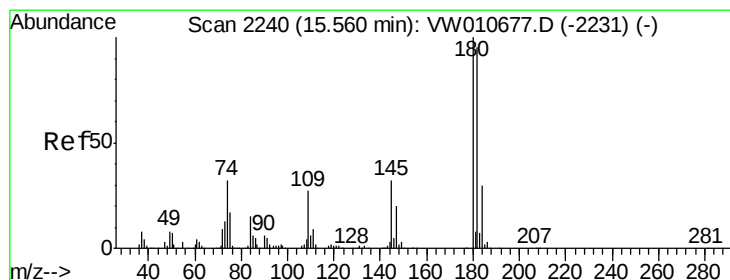
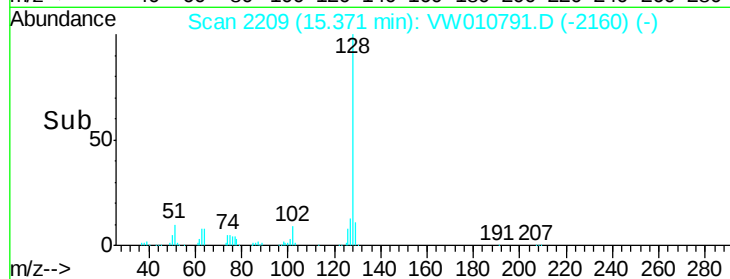
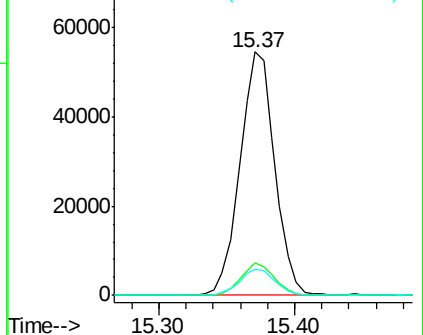
129 10.9 8.6 13.0



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: 21.371 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW010791.D

Acq: 13 Jun 2019 12:15

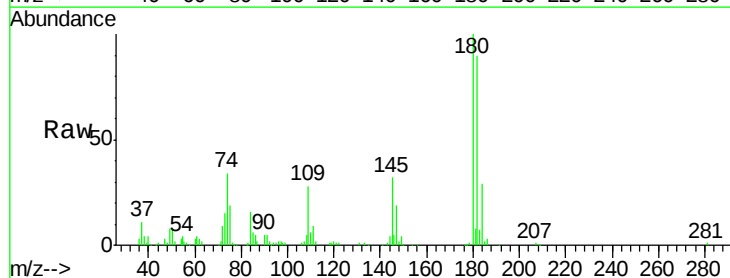
Tgt Ion:180 Resp: 54927

Ion Ratio Lower Upper

180 100

182 93.7 47.0 141.0

145 32.2 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

