

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061319\
 Data File : VW010792.D
 Acq On : 13 Jun 2019 12:42
 Operator : SY/VA
 Sample : VW0613SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0613SBS01

Quant Time: Jun 14 08:09:50 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	232776	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	377348	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	340924	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	166519	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	134862	49.15	ug/l	0.00
Spiked Amount			Recovery	=	98.30%	
35) Dibromofluoromethane	7.88	113	105055	51.29	ug/l	0.00
Spiked Amount			Recovery	=	102.58%	
50) Toluene-d8	10.32	98	435406	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	
62) 4-Bromofluorobenzene	12.62	95	162263	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	37333	17.355	ug/l	97
3) Chloromethane	2.21	50	53651	16.952	ug/l	99
4) Vinyl Chloride	2.36	62	47302	16.177	ug/l	99
5) Bromomethane	2.74	94	26713	16.636	ug/l	98
6) Chloroethane	2.90	64	28433	16.200	ug/l	99
7) Trichlorofluoromethane	3.25	101	67243	17.716	ug/l	97
8) Diethyl Ether	3.68	74	23296	17.174	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	41949	17.976	ug/l	99
10) Methyl Iodide	4.27	142	30593	16.303	ug/l	97
11) Tert butyl alcohol	5.17	59	33247	148.743	ug/l #	92
12) 1,1-Dichloroethene	4.03	96	38308	17.017	ug/l	98
13) Acrolein	3.89	56	7179	78.599	ug/l	99
14) Allyl chloride	4.67	41	87756	17.680	ug/l	98
15) Acrylonitrile	5.37	53	57409	87.118	ug/l	99
16) Acetone	4.12	43	64447	87.664	ug/l	100
17) Carbon Disulfide	4.37	76	115090	16.106	ug/l	99
18) Methyl Acetate	4.67	43	29490	18.635	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	114953	17.705	ug/l	99
20) Methylene Chloride	4.92	84	45579	17.673	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	44567	17.440	ug/l	98
22) Diisopropyl ether	6.31	45	182245	18.340	ug/l	99
23) Vinyl Acetate	6.26	43	536190	89.409	ug/l	99
24) 1,1-Dichloroethane	6.21	63	89478	17.968	ug/l	98
25) 2-Butanone	7.17	43	96538	94.701	ug/l	98
26) 2,2-Dichloropropane	7.17	77	80134	19.775	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	49620	17.644	ug/l	94
28) Bromochloromethane	7.51	49	47477	21.363	ug/l	95
29) Tetrahydrofuran	7.52	42	56630	88.319	ug/l	98
30) Chloroform	7.68	83	81533	17.900	ug/l	96
31) Cyclohexane	7.95	56	97960	17.696	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	72258	18.160	ug/l	99
36) 1,1-Dichloropropene	8.08	75	68645	17.772	ug/l	99
37) Ethyl Acetate	7.26	43	39280	18.352	ug/l	99
38) Carbon Tetrachloride	8.07	117	60547	18.158	ug/l	100

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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	87614	17.843	ug/l	98
40) Benzene	8.32	78	188274	17.867	ug/l	100
41) Methacrylonitrile	7.48	41	22343	17.562	ug/l	98
42) 1,2-Dichloroethane	8.40	62	61079	18.263	ug/l	98
43) Isopropyl Acetate	8.43	43	74501	18.016	ug/l	98
44) Trichloroethene	9.09	130	45862	17.644	ug/l	95
45) 1,2-Dichloropropane	9.37	63	50548	18.122	ug/l	100
46) Dibromomethane	9.46	93	23013	17.762	ug/l	98
47) Bromodichloromethane	9.65	83	59284	17.652	ug/l	99
48) Methyl methacrylate	9.44	41	36026	18.069	ug/l	98
49) 1,4-Dioxane	9.45	88	7240	357.425	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	193320	91.511	ug/l	99
52) Toluene	10.38	92	115426	17.803	ug/l	97
53) t-1,3-Dichloropropene	10.61	75	61704	17.346	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	74882	17.890	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	32858	17.605	ug/l	98
56) Ethyl methacrylate	10.65	69	50481	17.577	ug/l	98
57) 1,3-Dichloropropane	10.93	76	64309	18.283	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	157639	104.795	ug/l	99
59) 2-Hexanone	10.97	43	138039	90.412	ug/l	98
60) Dibromochloromethane	11.13	129	34869	16.853	ug/l	100
61) 1,2-Dibromoethane	11.24	107	31575	17.855	ug/l	98
64) Tetrachloroethene	10.86	164	39215	17.324	ug/l	98
65) Chlorobenzene	11.66	112	118601	17.691	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	40361	17.391	ug/l	98
67) Ethyl Benzene	11.73	91	229029	17.775	ug/l	99
68) m/p-Xylenes	11.84	106	162765	35.289	ug/l	99
69) o-Xylene	12.16	106	75282	17.210	ug/l	95
70) Styrene	12.18	104	132808	17.477	ug/l	99
71) Bromoform	12.35	173	19508	16.253	ug/l #	100
73) Isopropylbenzene	12.46	105	217882	17.412	ug/l	99
74) N-amyl acetate	12.27	43	70117	17.338	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	40860	17.152	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	29923m	17.112	ug/l	
77) Bromobenzene	12.75	156	47415	17.359	ug/l	98
78) n-propylbenzene	12.80	91	264853	17.553	ug/l	100
79) 2-Chlorotoluene	12.90	91	151623	17.589	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	178099	17.389	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	11898	15.638	ug/l	92
82) 4-Chlorotoluene	12.99	91	156892	17.637	ug/l	99
83) tert-Butylbenzene	13.21	119	152379	17.530	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	180638	17.526	ug/l	98
85) sec-Butylbenzene	13.38	105	224371	17.729	ug/l	100
86) p-Isopropyltoluene	13.50	119	199075	17.590	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	92083	17.481	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	92049	17.627	ug/l	98
89) n-Butylbenzene	13.83	91	205090	18.162	ug/l	99
90) Hexachloroethane	14.10	117	35452	17.492	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	82163	17.345	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7095	17.344	ug/l	95

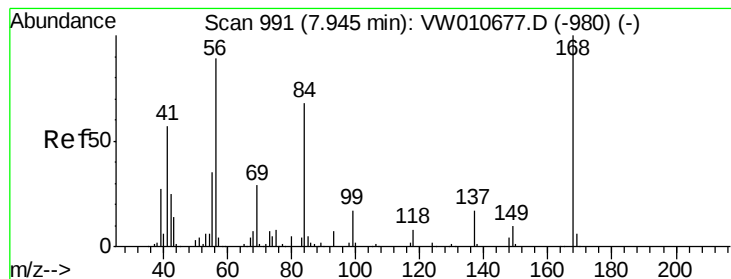
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061319\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	60531	18.209	ug/l	99
94) Hexachlorobutadiene	15.24	225	38448	18.429	ug/l	99
95) Naphthalene	15.37	128	99964	16.551	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	51563	18.239	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW010792.D

Acq: 13 Jun 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

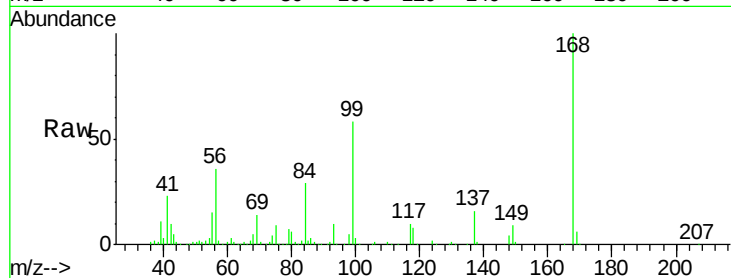
VW0613SBSD01

Tot Ion:168 Resp: 232776

Ion Ratio Lower Upper

168 100

99 58.1 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

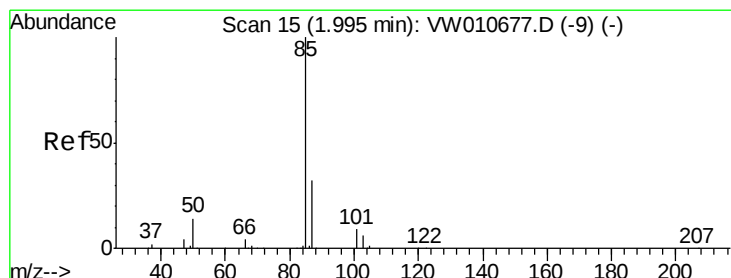
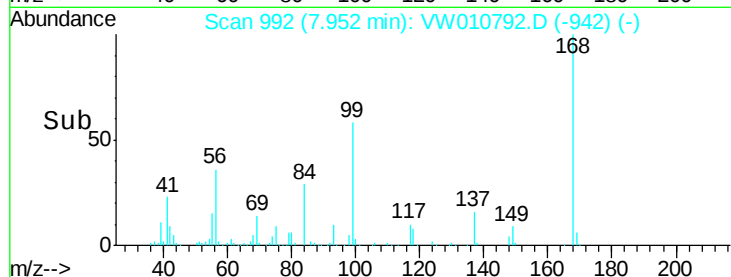
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.355 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW010792.D

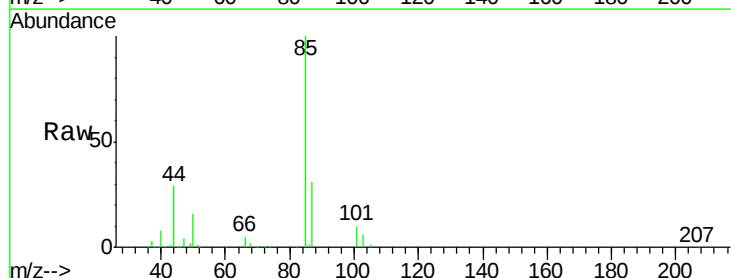
Acq: 13 Jun 2019 12:42

Tgt Ion: 85 Resp: 37333

Ion Ratio Lower Upper

85 100

87 30.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

25000

20000

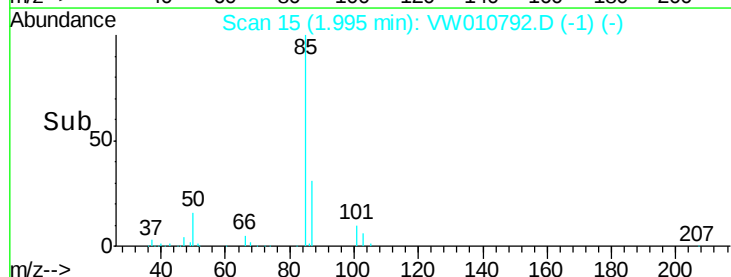
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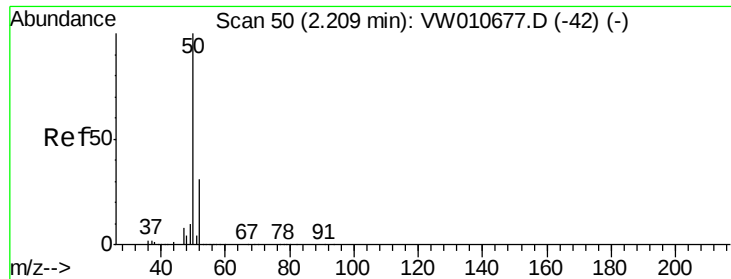
10000

5000

0

Time-->





#3

Chloromethane

Concen: 16.952 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW010792.D

Acq: 13 Jun 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

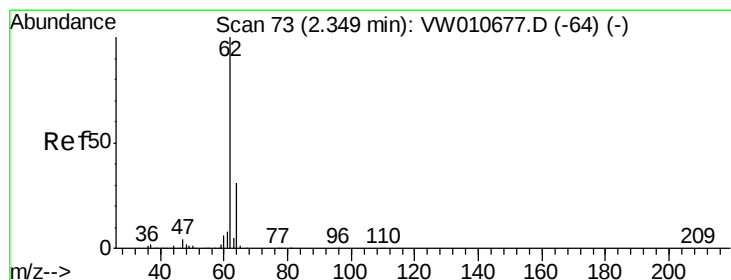
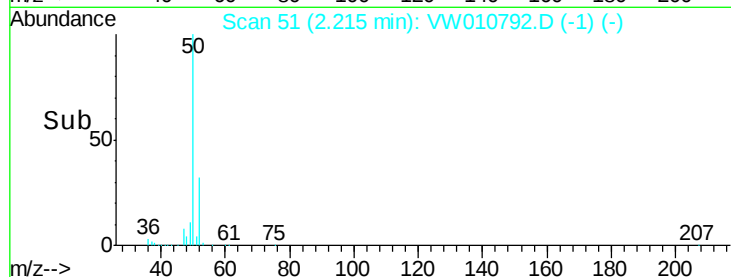
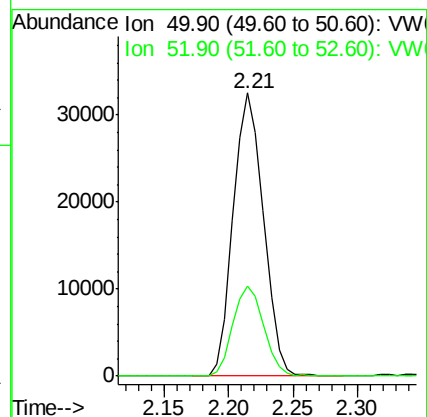
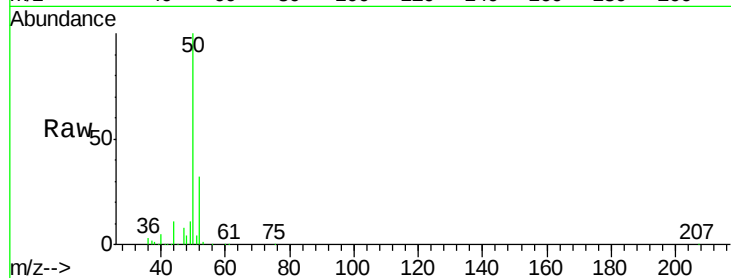
VW0613SBSD01

Tot Ion: 50 Resp: 53651

Ion Ratio Lower Upper

50 100

52 31.8 25.2 37.8



#4

Vinyl Chloride

Concen: 16.177 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VW010792.D

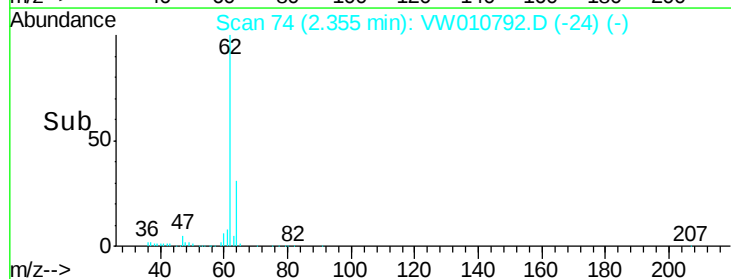
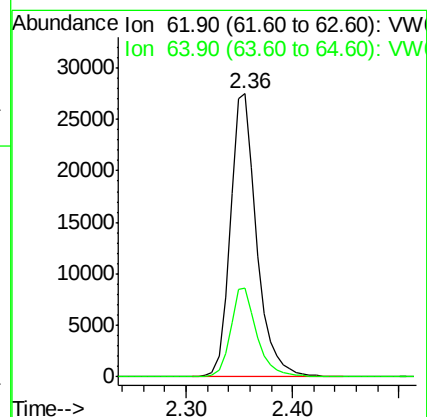
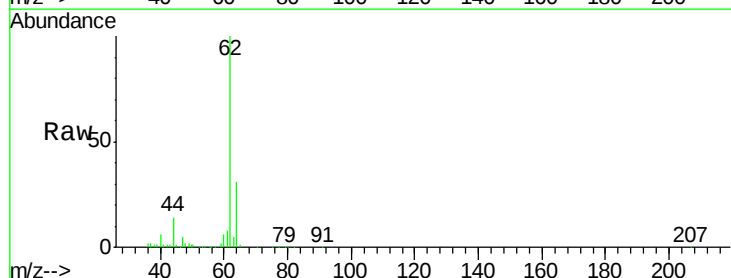
Acq: 13 Jun 2019 12:42

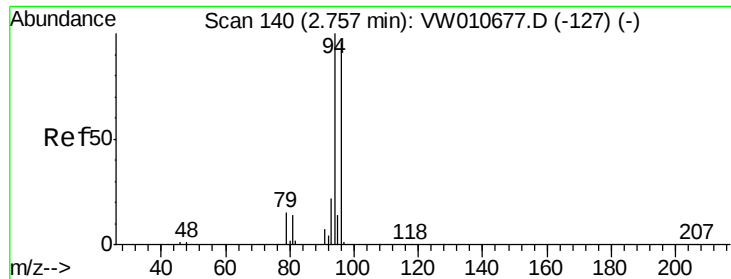
Tgt Ion: 62 Resp: 47302

Ion Ratio Lower Upper

62 100

64 31.4 24.5 36.7





#5

Bromomethane

Concen: 16.636 ug/l

RT: 2.74 min Scan# 137

Delta R.T. -0.02 min

Lab File: VW010792.D

Acq: 13 Jun 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

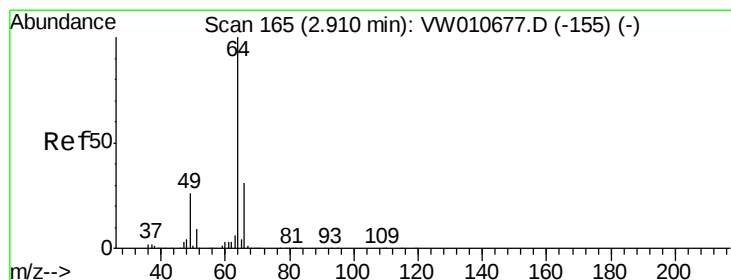
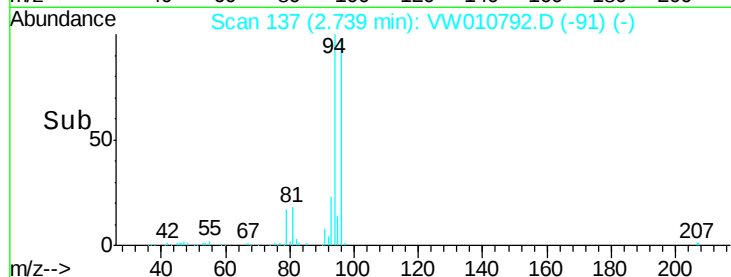
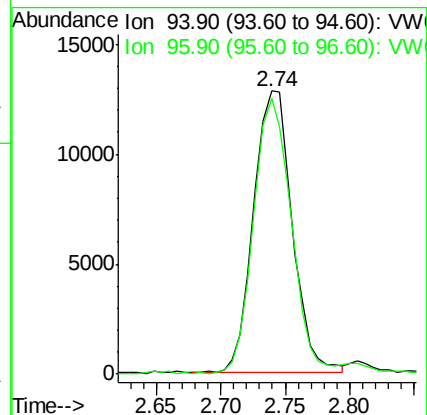
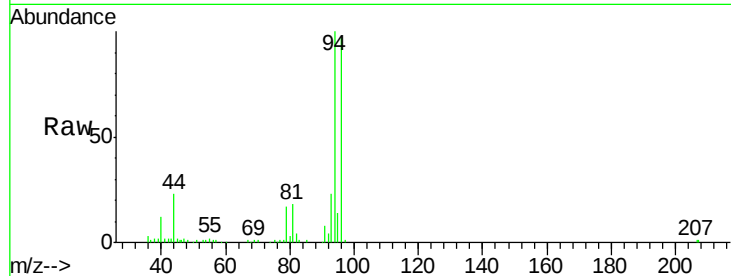
VW0613SBSD01

Tot Ion: 94 Resp: 26713

Ion Ratio Lower Upper

94 100

96 97.8 76.5 114.7



#6

Chloroethane

Concen: 16.200 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.01 min

Lab File: VW010792.D

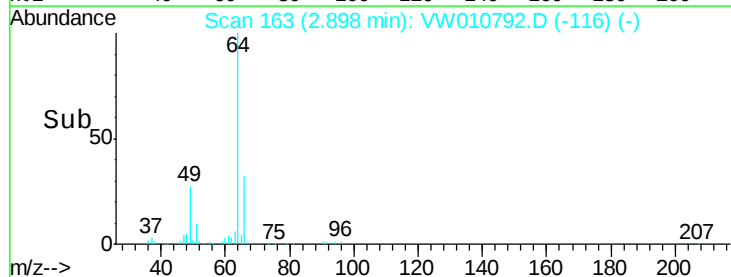
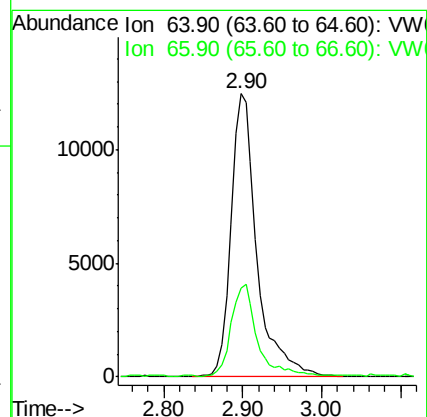
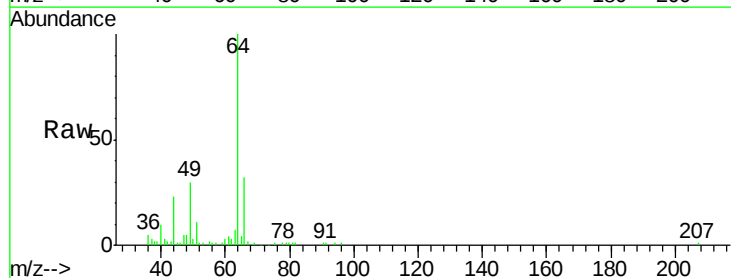
Acq: 13 Jun 2019 12:42

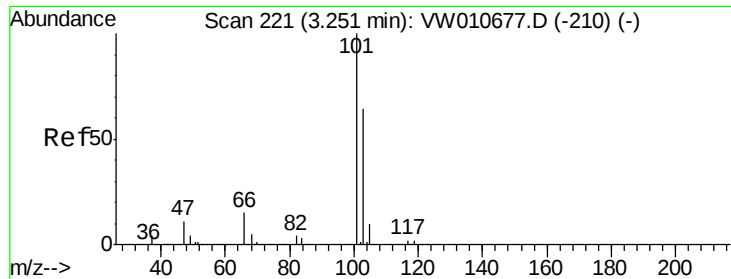
Tgt Ion: 64 Resp: 28433

Ion Ratio Lower Upper

64 100

66 31.1 25.1 37.7



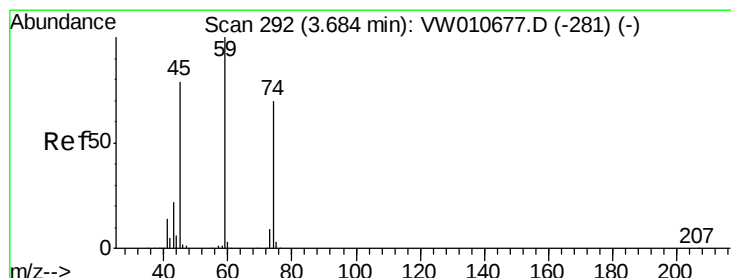
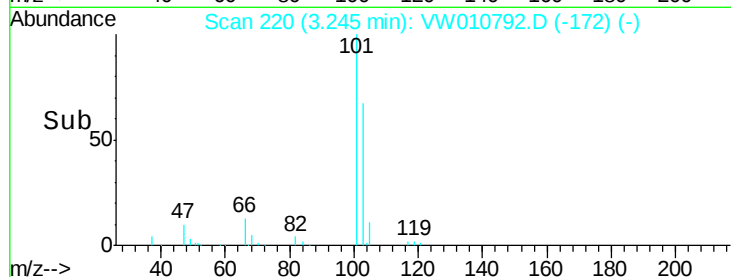
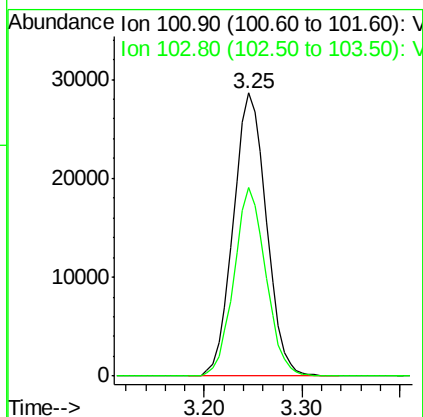
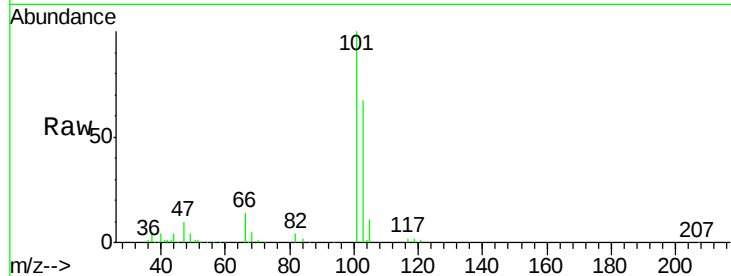


#7

Trichlorofluoromethane
 Concen: 17.716 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW010792.D
 Acq: 13 Jun 2019 12:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0613SBS01

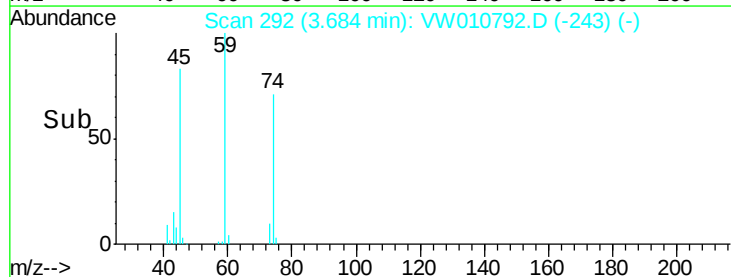
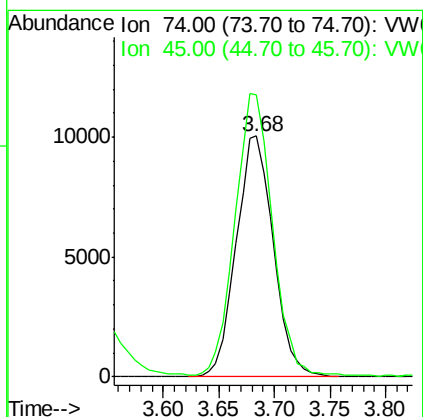
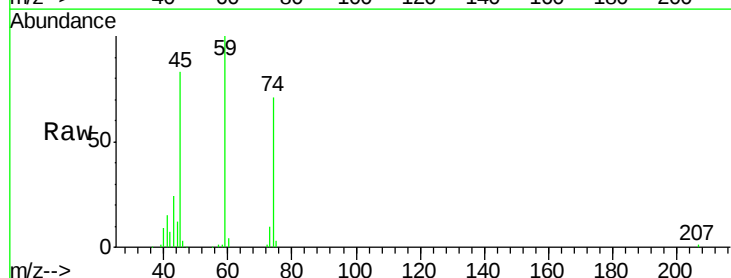
Tot Ion:101 Resp: 67243
 Ion Ratio Lower Upper
 101 100
 103 66.5 51.2 76.8

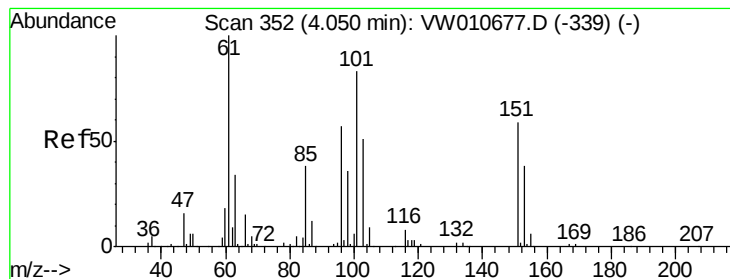


#8

Diethyl Ether
 Concen: 17.174 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW010792.D
 Acq: 13 Jun 2019 12:42

Tgt Ion: 74 Resp: 23296
 Ion Ratio Lower Upper
 74 100
 45 117.9 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.976 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010792.D

Acq: 13 Jun 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

VW0613SBS01

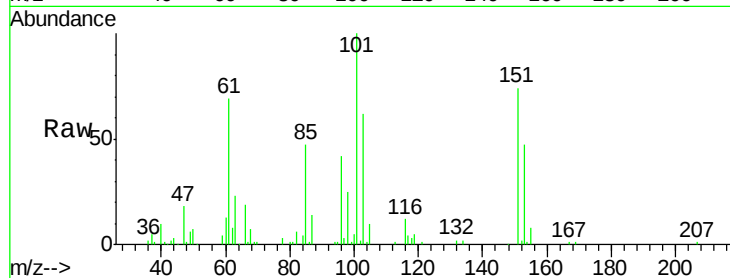
Tot Ion:101 Resp: 41949

Ion Ratio Lower Upper

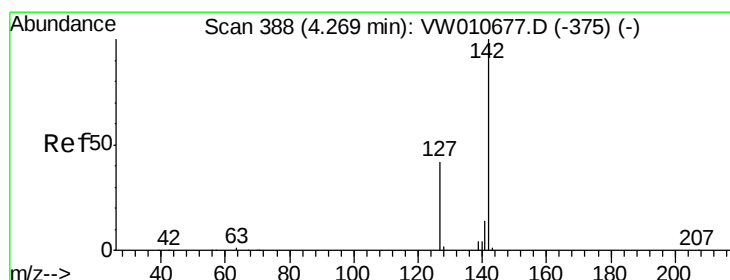
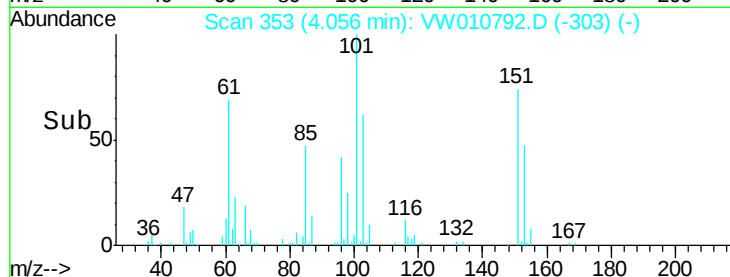
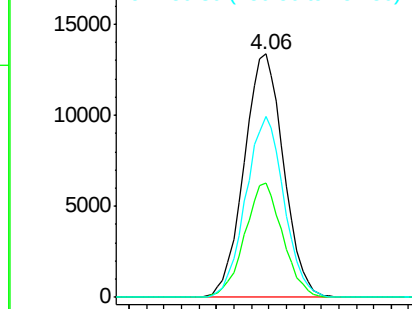
101 100

85 45.0 35.8 53.8

151 72.0 58.1 87.1



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



#10

Methyl Iodide

Concen: 16.303 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW010792.D

Acq: 13 Jun 2019 12:42

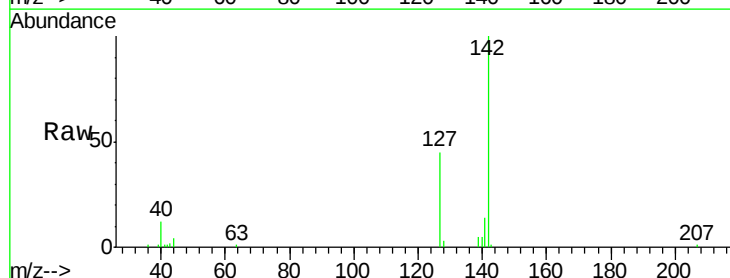
Tgt Ion:142 Resp: 30593

Ion Ratio Lower Upper

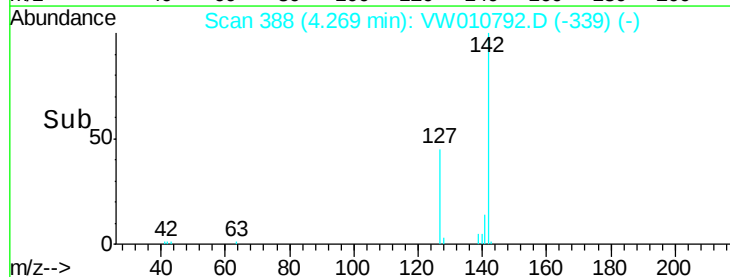
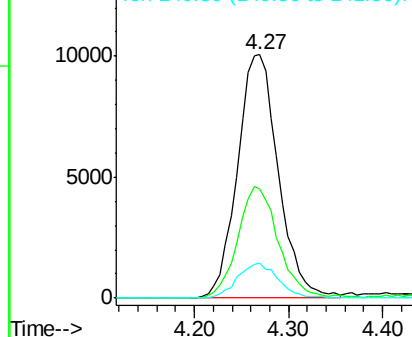
142 100

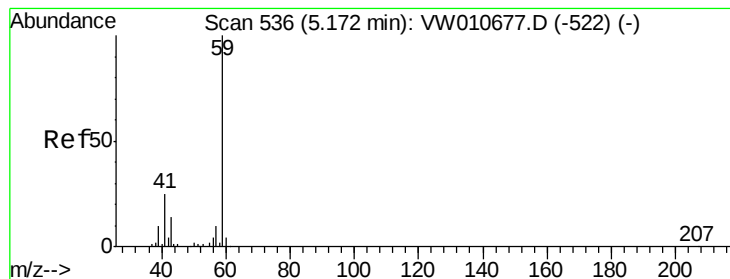
127 45.7 34.6 51.8

141 14.4 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



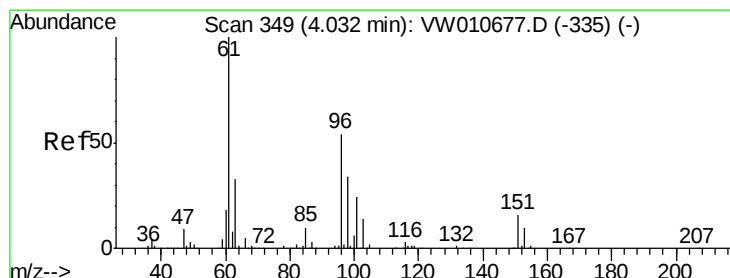
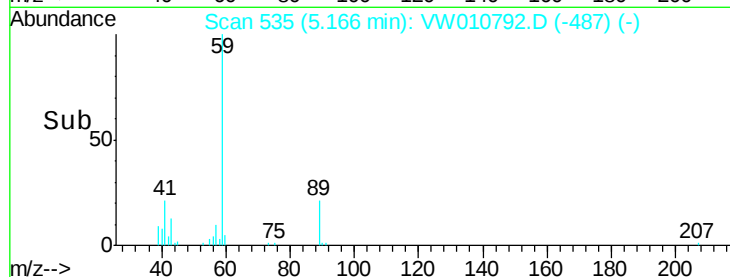
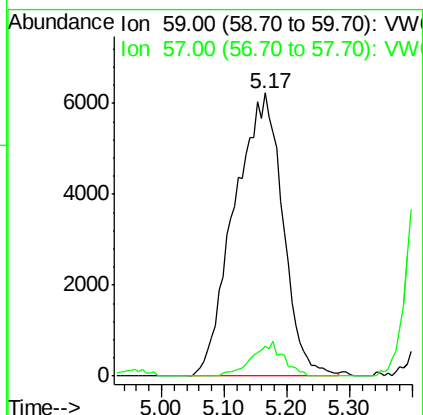
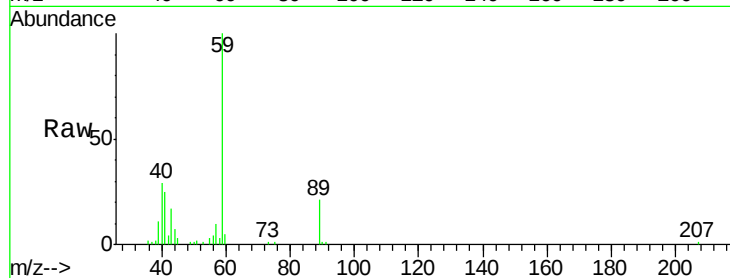


#11

Tert butyl alcohol
 Concen: 148.743 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VW010792.D
 Acq: 13 Jun 2019 12:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0613SBS01

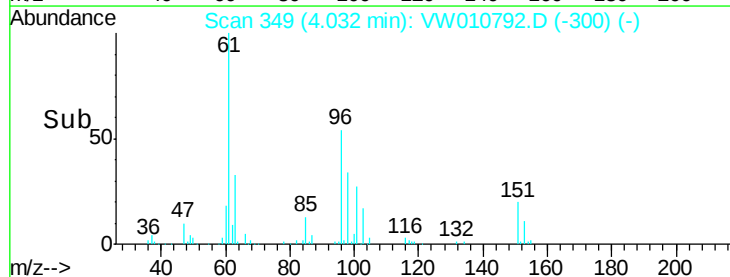
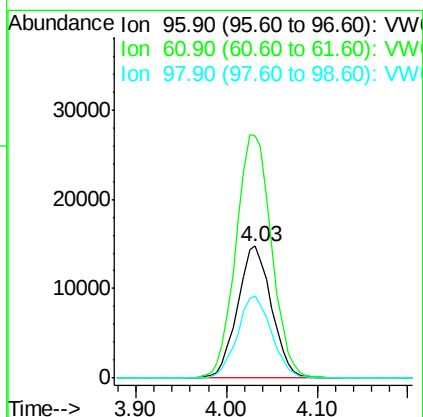
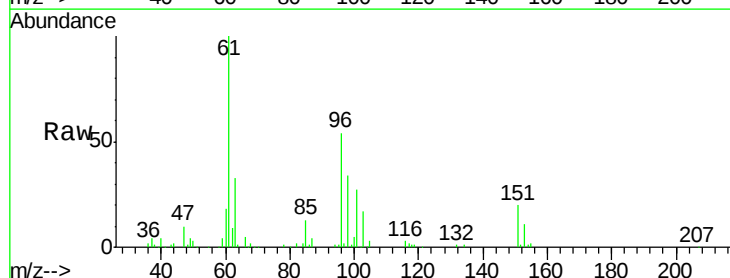
Tot Ion: 59 Resp: 33247
 Ion Ratio Lower Upper
 59 100
 57 7.8 8.6 12.8#

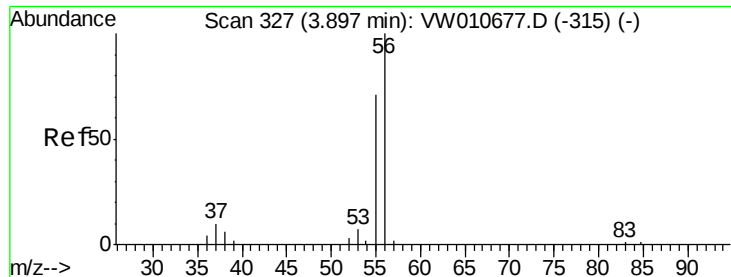


#12

1,1-Dichloroethene
 Concen: 17.017 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. 0.00 min
 Lab File: VW010792.D
 Acq: 13 Jun 2019 12:42

Tgt Ion: 96 Resp: 38308
 Ion Ratio Lower Upper
 96 100
 61 183.8 149.1 223.7
 98 62.6 51.1 76.7





#13

Acrolein

Concen: 78.599 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW010792.D

Acq: 13 Jun 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

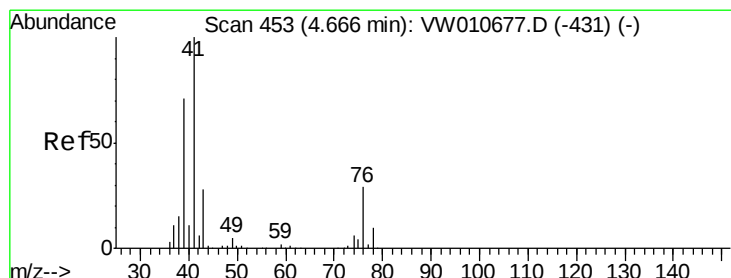
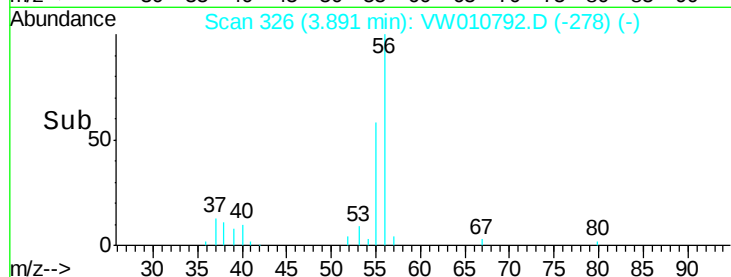
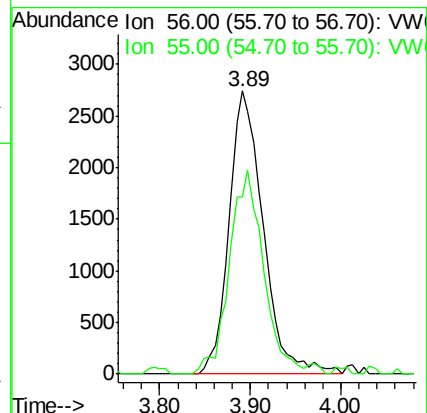
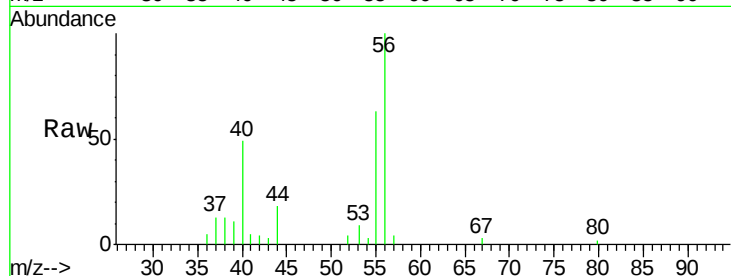
VW0613SBSD01

Tot Ion: 56 Resp: 7179

Ion Ratio Lower Upper

56 100

55 71.5 57.6 86.4



#14

Allyl chloride

Concen: 17.680 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW010792.D

Acq: 13 Jun 2019 12:42

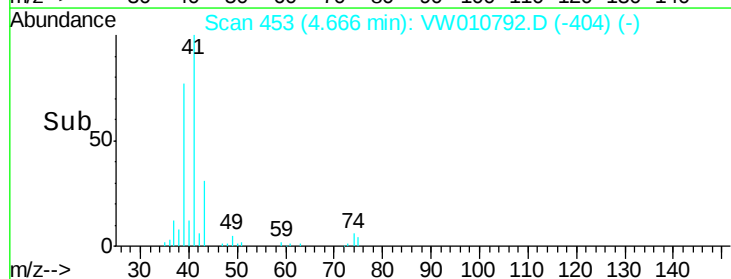
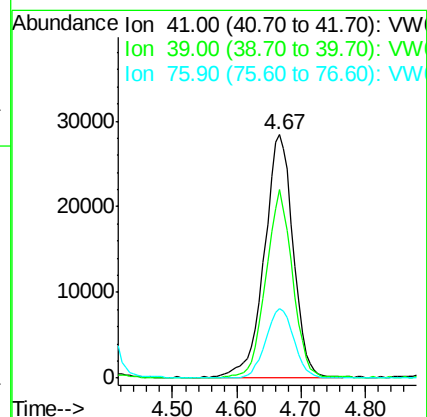
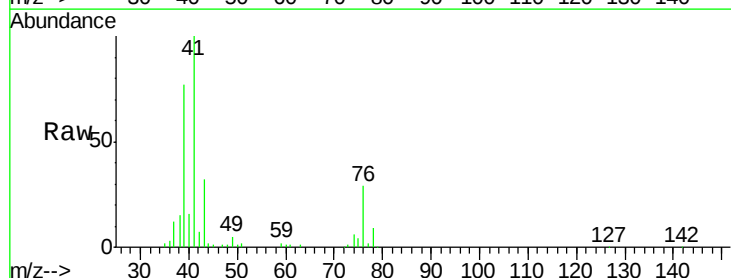
Tgt Ion: 41 Resp: 87756

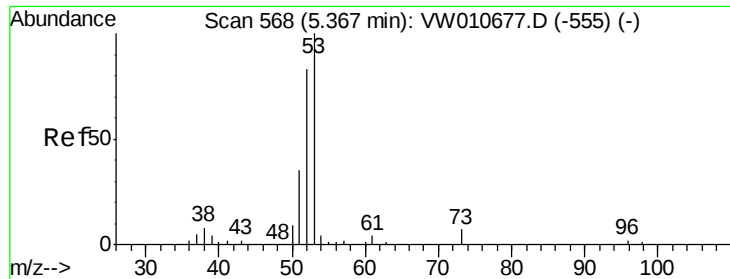
Ion Ratio Lower Upper

41 100

39 71.5 55.8 83.6

76 28.0 22.7 34.1





#15

Acrylonitrile

Concen: 87.118 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW010792.D

Acq: 13 Jun 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

VW0613SBS01

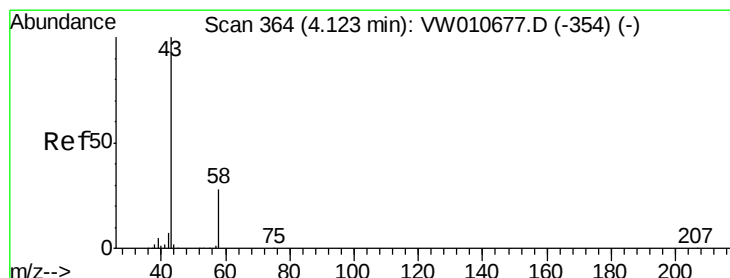
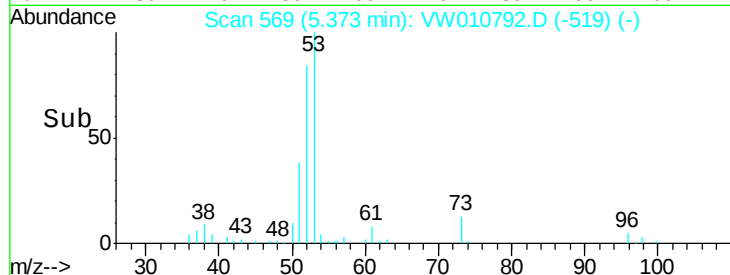
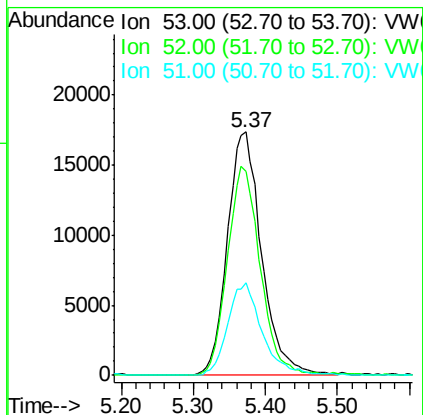
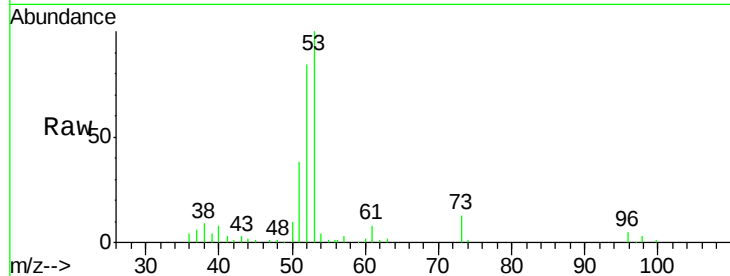
Tot Ion: 53 Resp: 57409

Ion Ratio Lower Upper

53 100

52 82.3 66.6 100.0

51 38.3 29.8 44.8



#16

Acetone

Concen: 87.664 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW010792.D

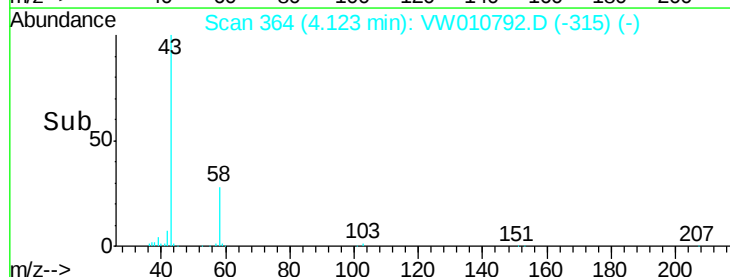
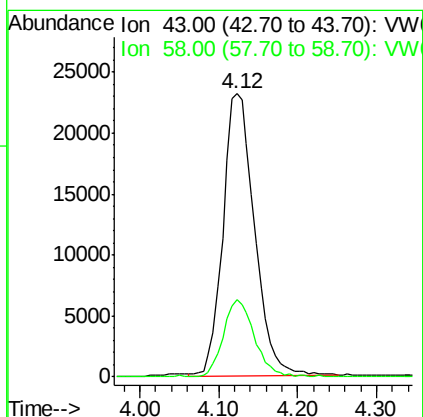
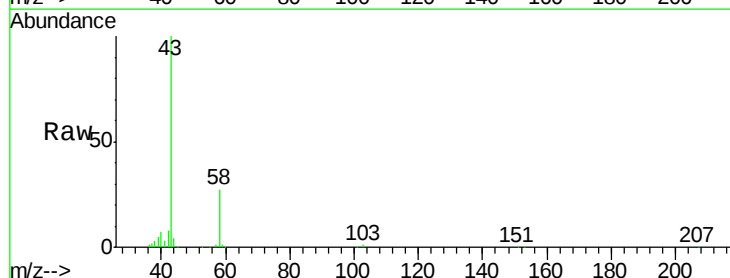
Acq: 13 Jun 2019 12:42

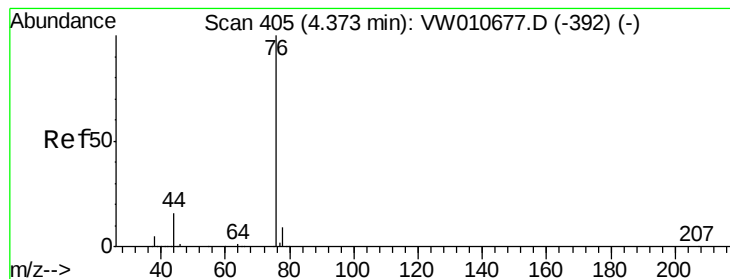
Tgt Ion: 43 Resp: 64447

Ion Ratio Lower Upper

43 100

58 27.5 22.1 33.1





#17

Carbon Disulfide

Concen: 16.106 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW010792.D

Acq: 13 Jun 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

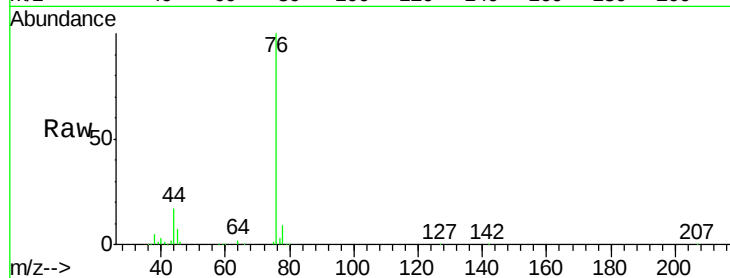
VW0613SBSD01

Tot Ion: 76 Resp: 115090

Ion Ratio Lower Upper

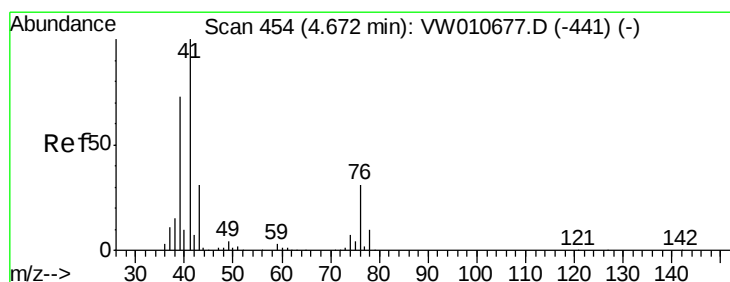
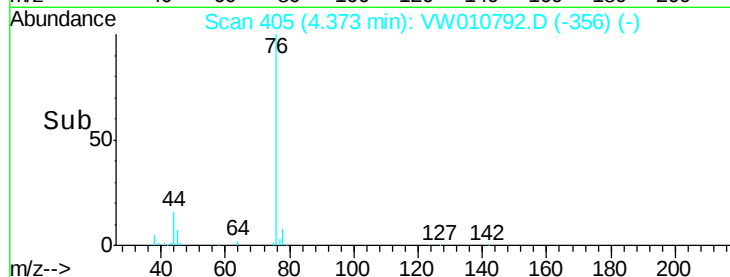
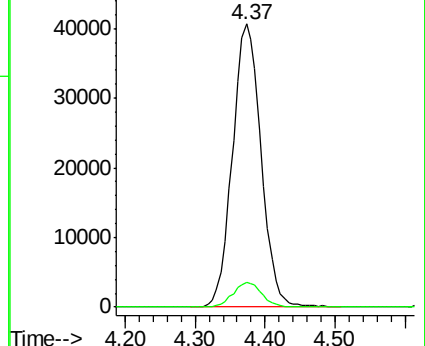
76 100

78 8.9 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 18.635 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW010792.D

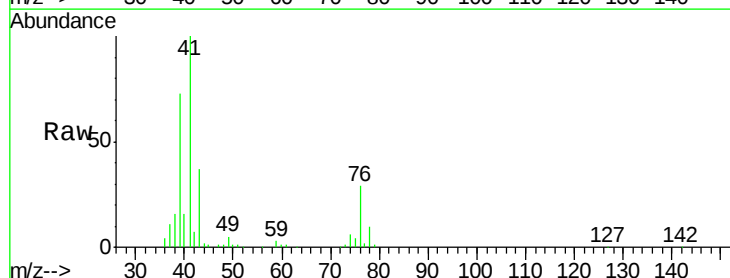
Acq: 13 Jun 2019 12:42

Tgt Ion: 43 Resp: 29490

Ion Ratio Lower Upper

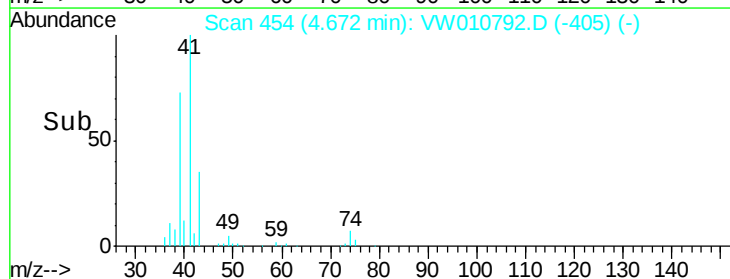
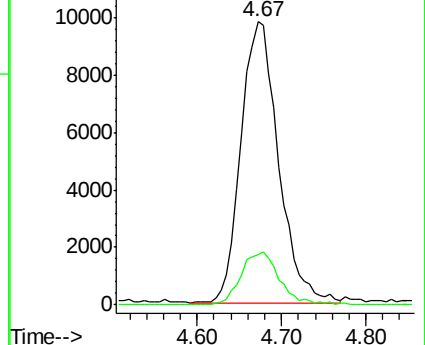
43 100

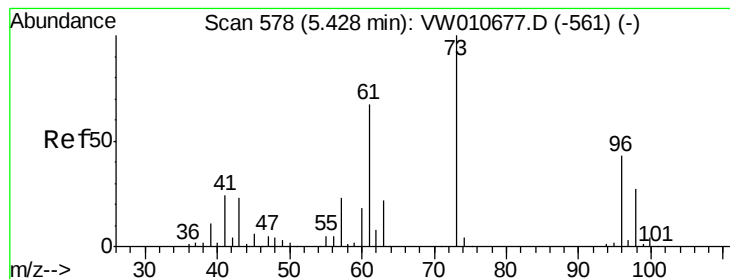
74 19.4 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



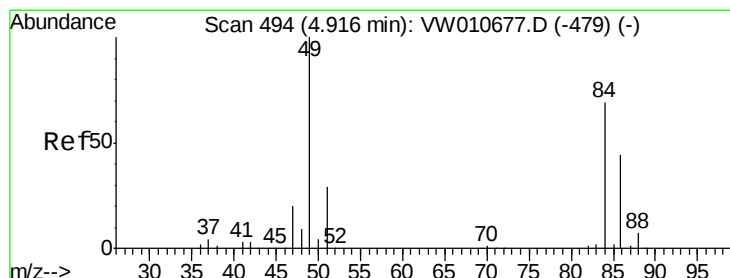
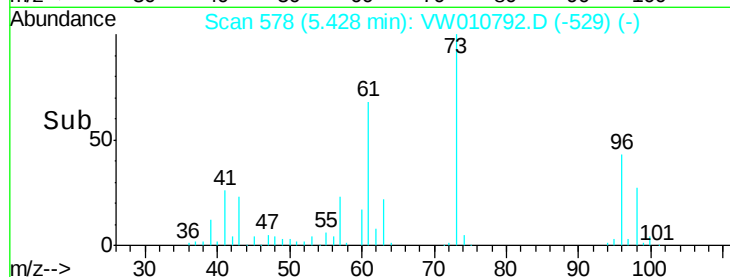
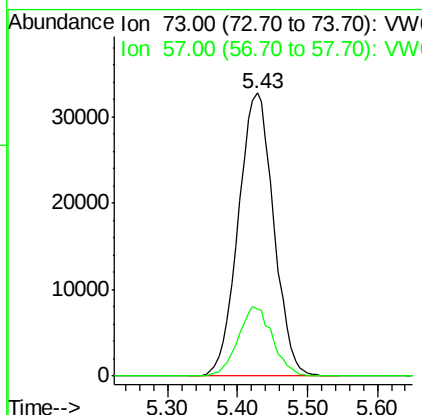
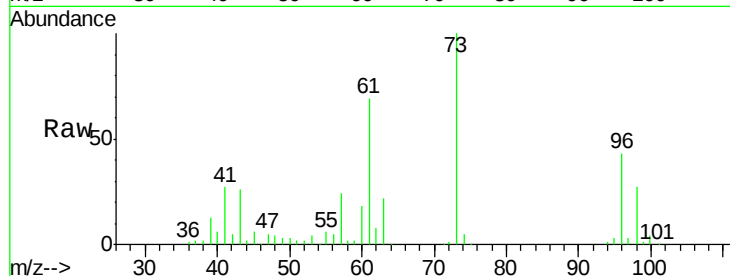


#19

Methyl tert-butyl Ether
 Concen: 17.705 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW010792.D
 Acq: 13 Jun 2019 12:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0613SBSD01

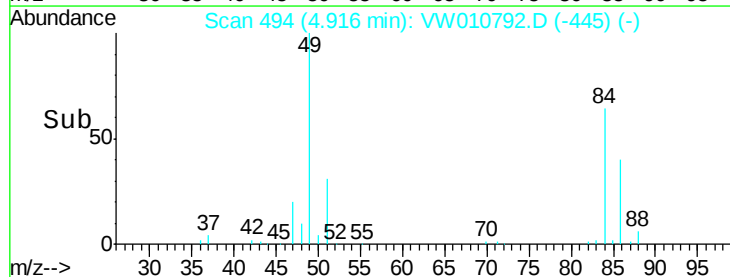
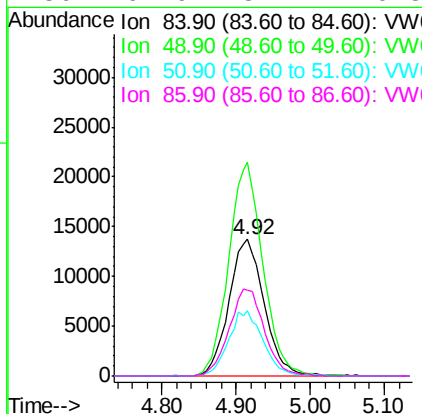
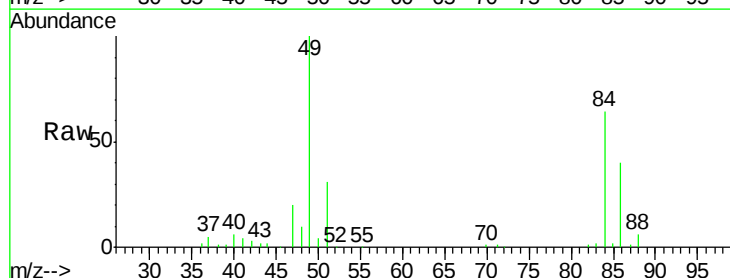
Tot Ion: 73 Resp: 114953
 Ion Ratio Lower Upper
 73 100
 57 23.6 18.6 27.8

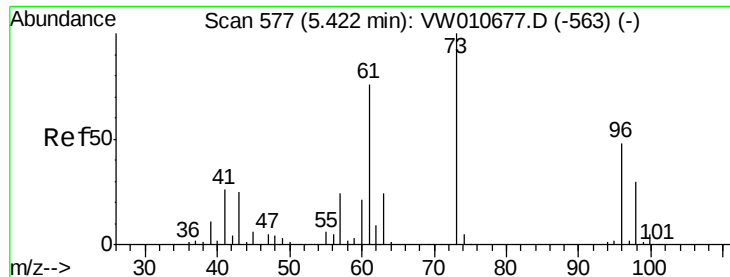


#20

Methylene Chloride
 Concen: 17.673 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW010792.D
 Acq: 13 Jun 2019 12:42

Tgt Ion: 84 Resp: 45579
 Ion Ratio Lower Upper
 84 100
 49 155.9 116.7 175.1
 51 48.2 34.2 51.2
 86 62.9 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 17.440 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW010792.D

Acq: 13 Jun 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

VW0613SBSD01

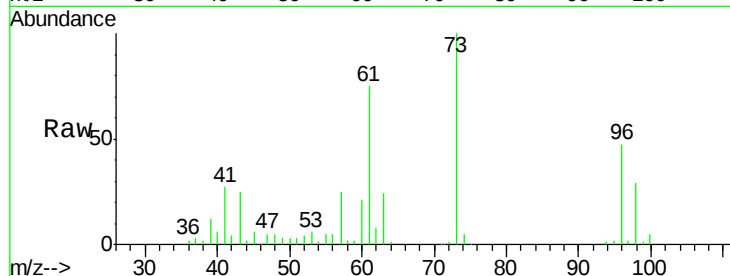
Tot Ion: 96 Resp: 44567

Ion Ratio Lower Upper

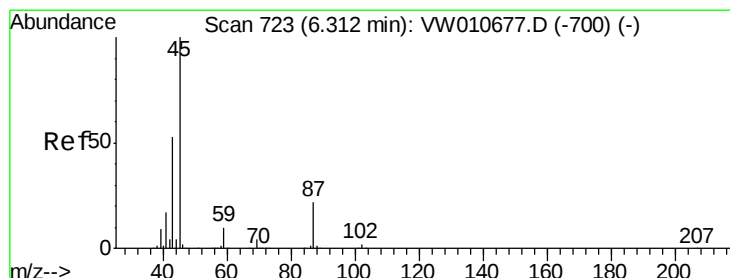
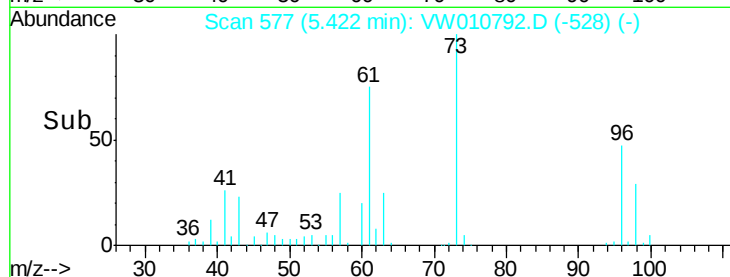
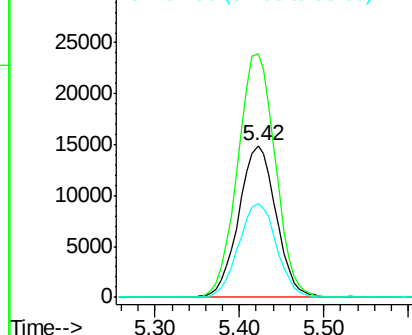
96 100

61 160.3 126.0 189.0

98 61.4 49.6 74.4



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



#22

Diisopropyl ether

Concen: 18.340 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW010792.D

Acq: 13 Jun 2019 12:42

Tgt Ion: 45 Resp: 182245

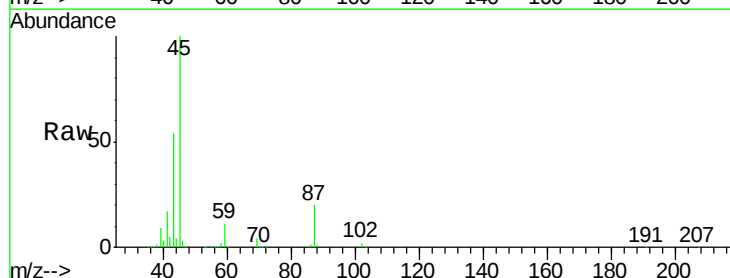
Ion Ratio Lower Upper

45 100

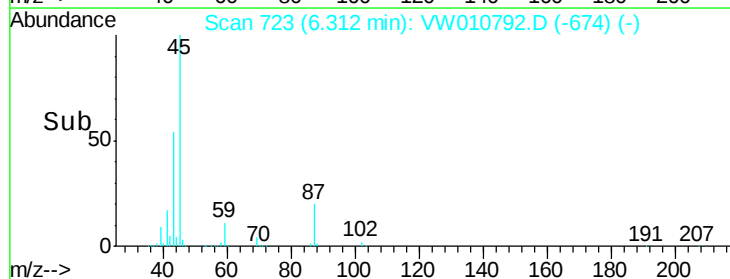
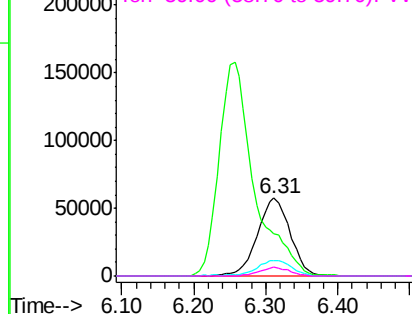
43 53.3 42.5 63.7

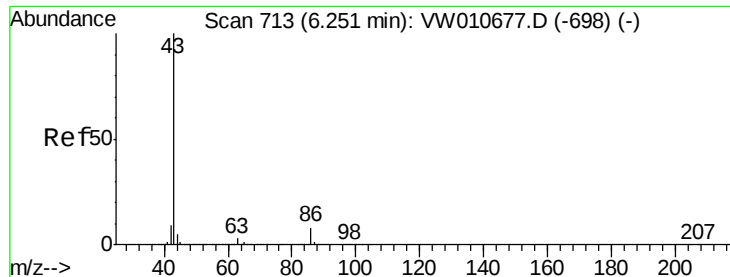
87 20.4 17.4 26.2

59 10.8 8.1 12.1



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 89.409 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW010792.D

Acq: 13 Jun 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

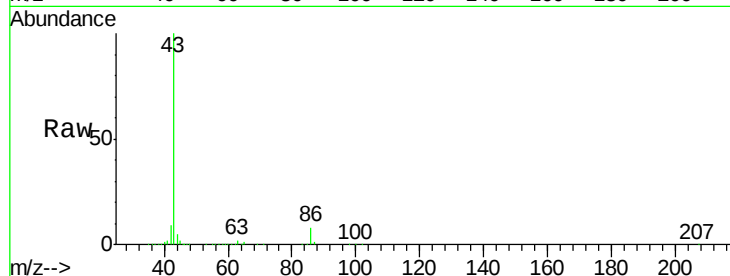
VW0613SBS01

Tot Ion: 43 Resp: 536190

Ion Ratio Lower Upper

43 100

86 8.0 6.6 10.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

150000

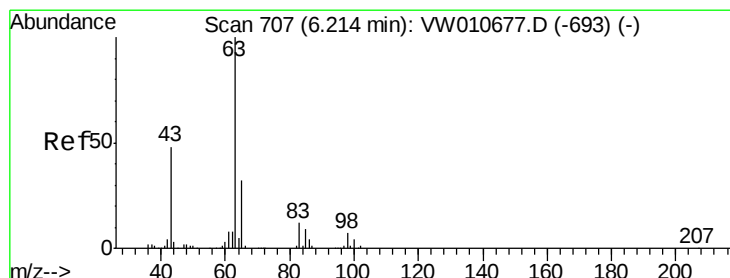
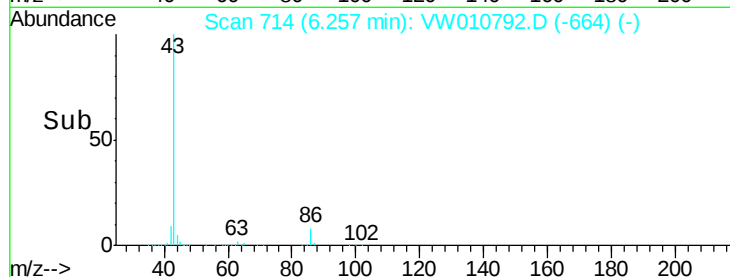
100000

50000

0

6.10 6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 17.968 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW010792.D

Acq: 13 Jun 2019 12:42

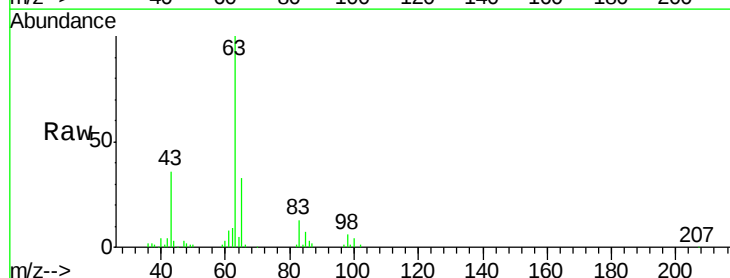
Tgt Ion: 63 Resp: 89478

Ion Ratio Lower Upper

63 100

98 6.1 3.4 10.2

100 3.9 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

40000

30000

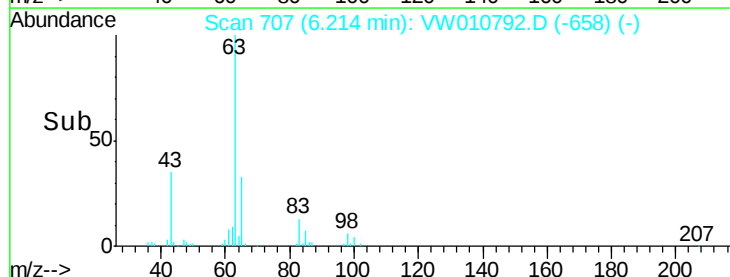
20000

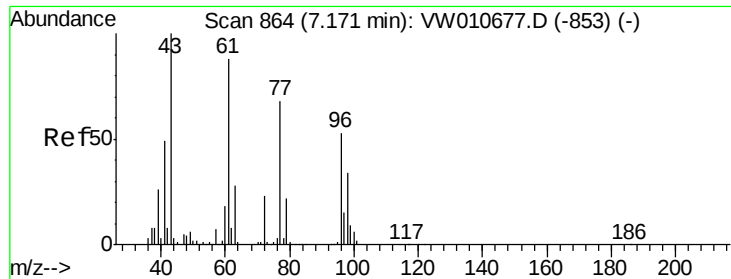
10000

0

6.10 6.20 6.30

Time-->





#25

2-Butanone

Concen: 94.701 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010792.D

Acq: 13 Jun 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

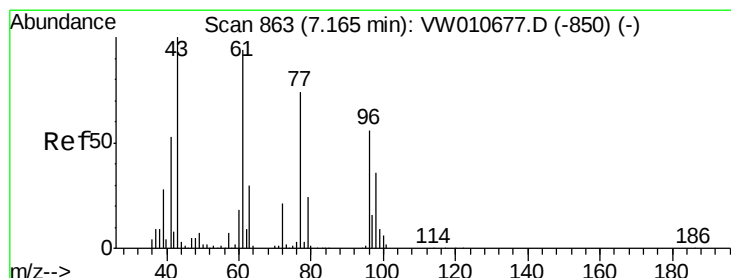
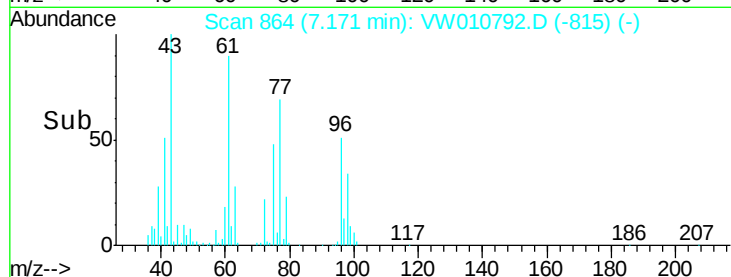
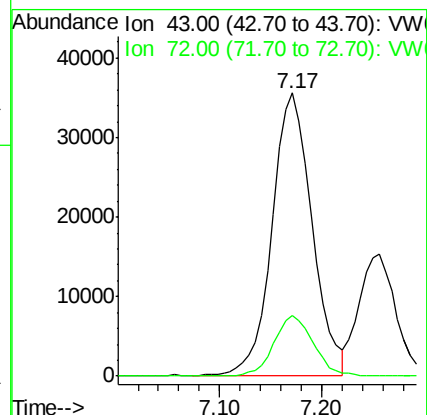
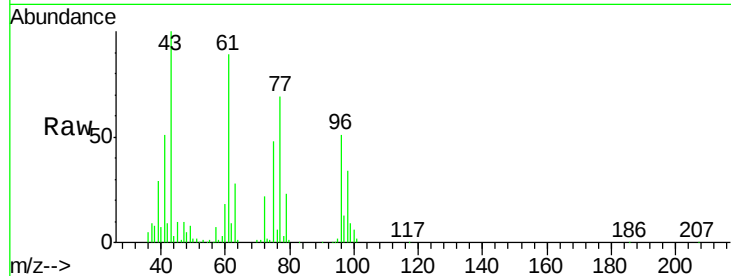
VW0613SBSD01

Tot Ion: 43 Resp: 96538

Ion Ratio Lower Upper

43 100

72 21.6 18.1 27.1



#26

2,2-Dichloropropane

Concen: 19.775 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW010792.D

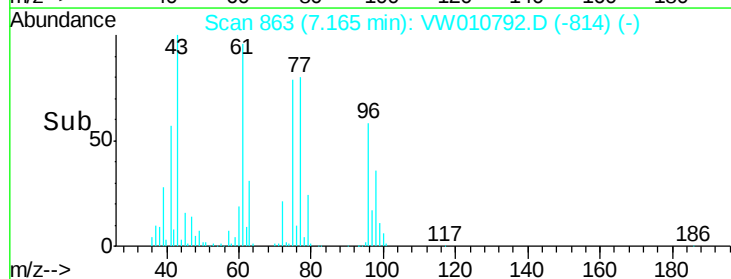
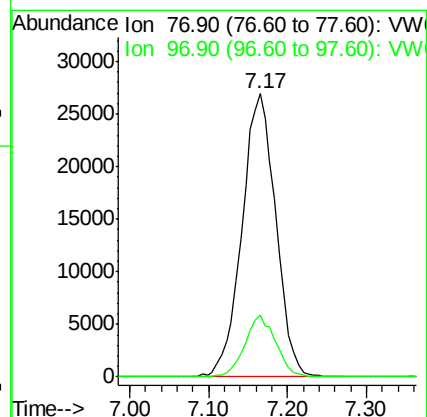
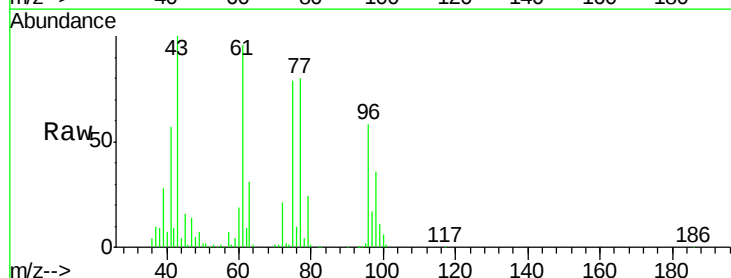
Acq: 13 Jun 2019 12:42

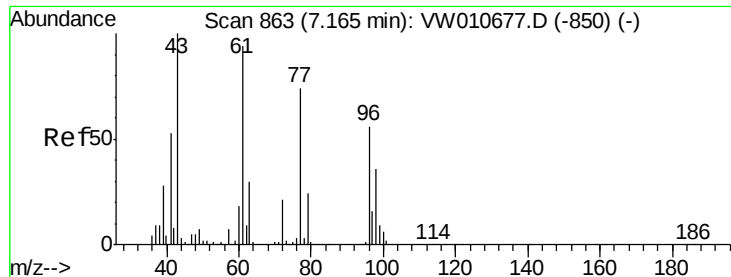
Tgt Ion: 77 Resp: 80134

Ion Ratio Lower Upper

77 100

97 19.7 10.5 31.6



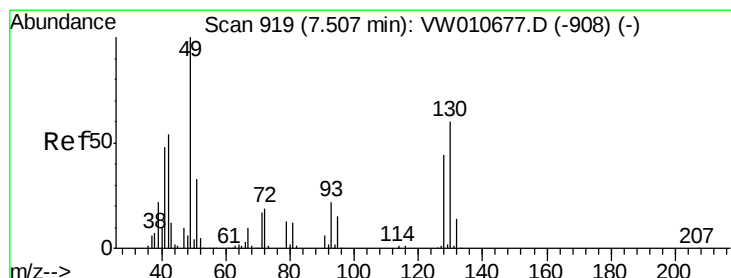
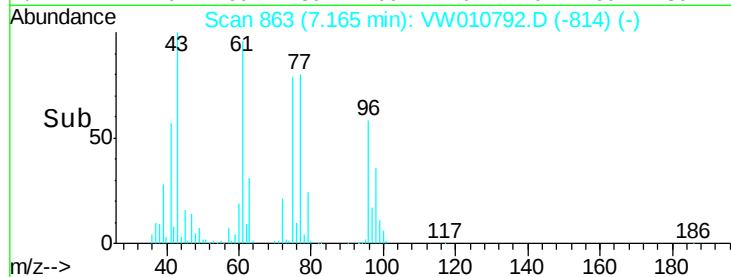
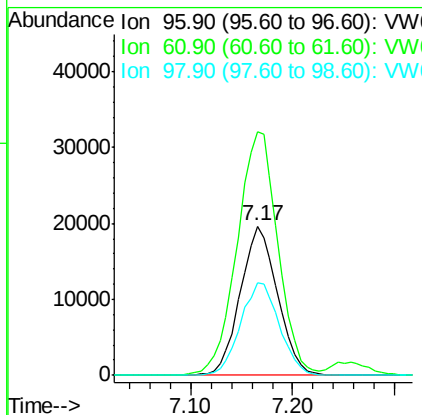
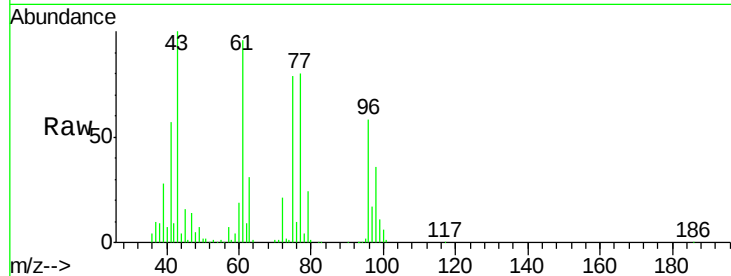


#27

cis-1,2-Dichloroethene
Concen: 17.644 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW010792.D
Acq: 13 Jun 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW0613SBSD01

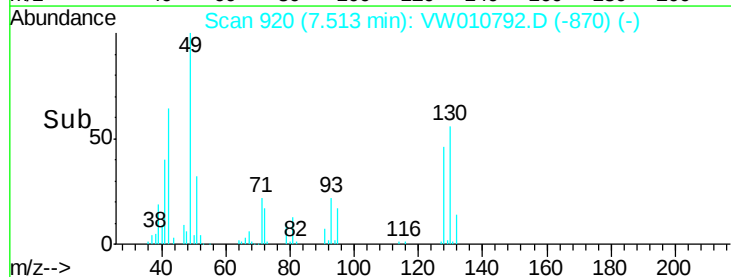
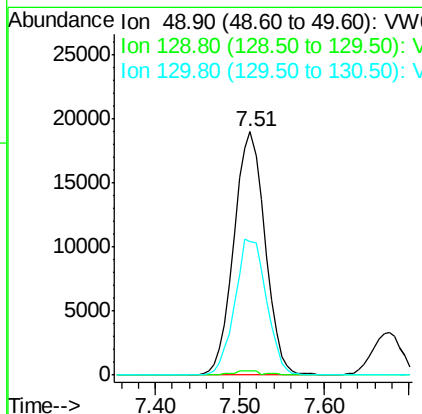
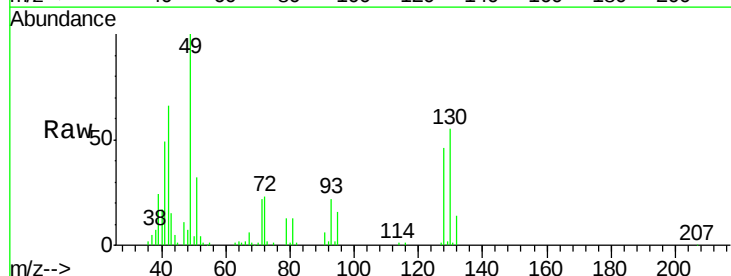
Tot Ion: 96 Resp: 49620
Ion Ratio Lower Upper
96 100
61 179.2 0.0 336.4
98 64.6 0.0 128.0

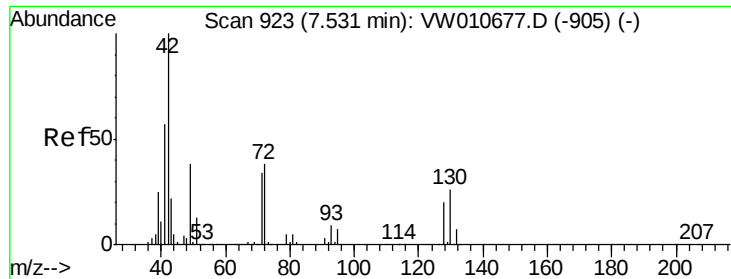


#28

Bromochloromethane
Concen: 21.363 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW010792.D
Acq: 13 Jun 2019 12:42

Tgt Ion: 49 Resp: 47477
Ion Ratio Lower Upper
49 100
129 1.4 0.0 3.2
130 56.7 48.3 72.5

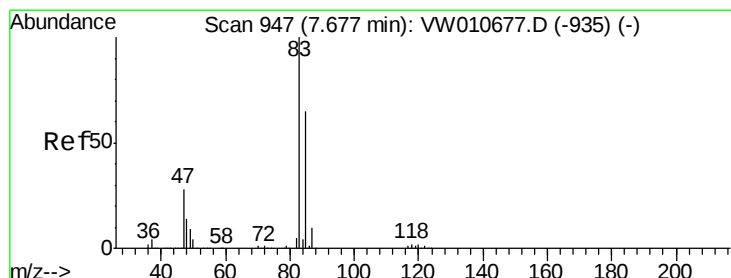
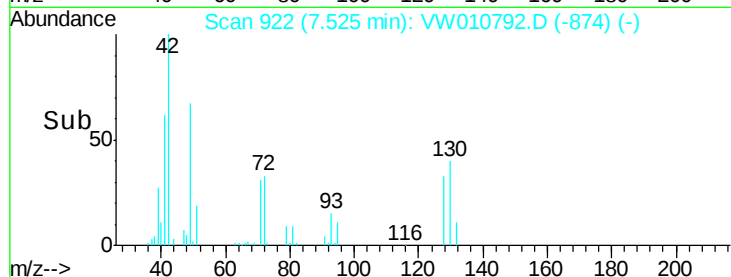
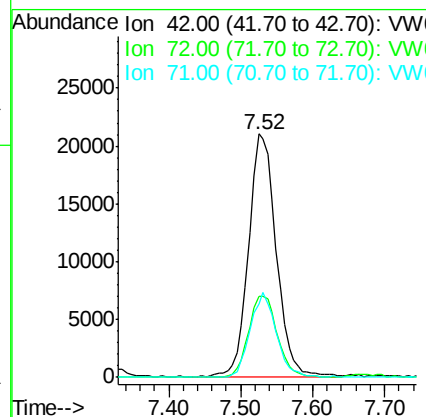
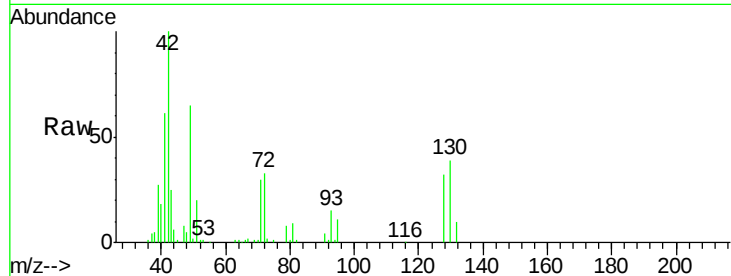




#29
Tetrahydrofuran
Concen: 88.319 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW010792.D
Acq: 13 Jun 2019 12:42

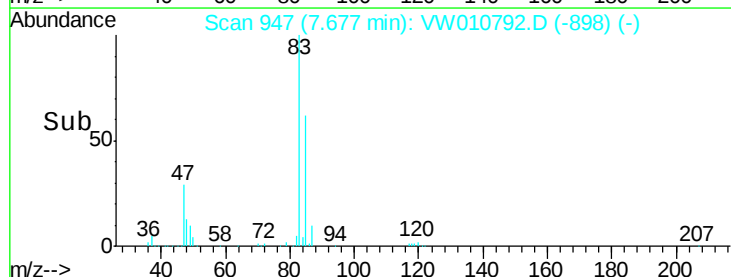
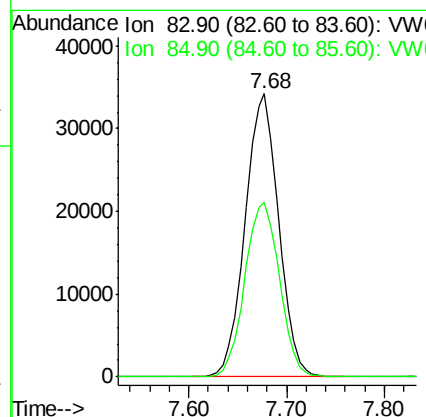
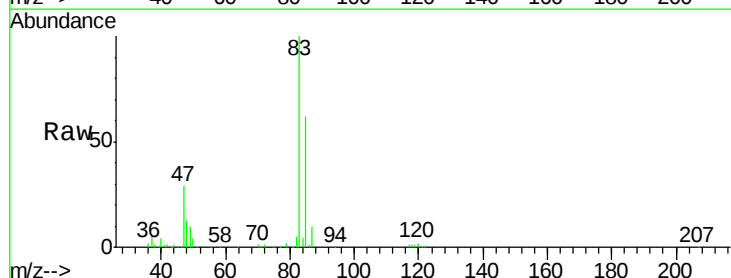
Instrument :
MSVOA_W
ClientSampleId :
VW0613BSD01

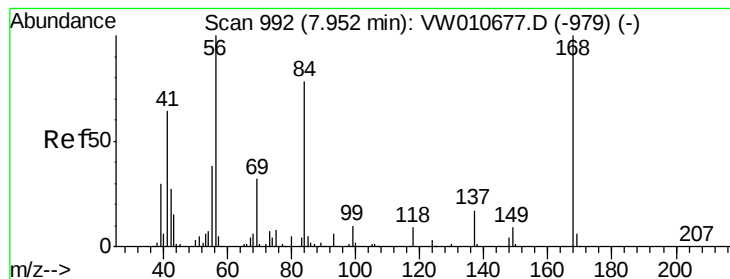
Tot Ion: 42 Resp: 56630
Ion Ratio Lower Upper
42 100
72 34.7 28.7 43.1
71 32.6 26.6 39.8



#30
Chloroform
Concen: 17.900 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW010792.D
Acq: 13 Jun 2019 12:42

Tgt Ion: 83 Resp: 81533
Ion Ratio Lower Upper
83 100
85 61.6 51.8 77.8





#31

Cyclohexane

Concen: 17.696 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010792.D

Acq: 13 Jun 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

VW0613SBSD01

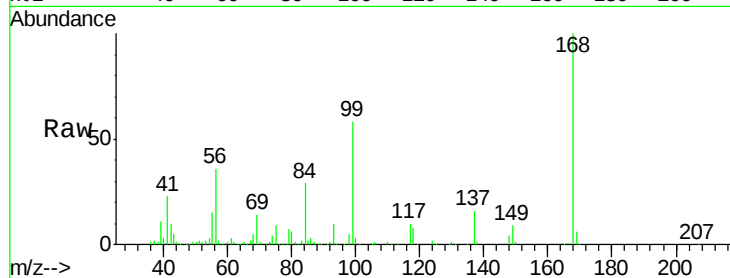
Tot Ion: 56 Resp: 97960

Ion Ratio Lower Upper

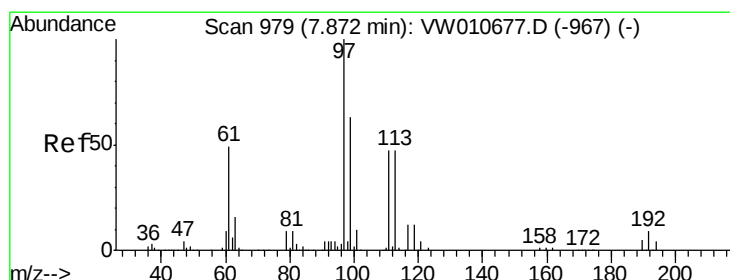
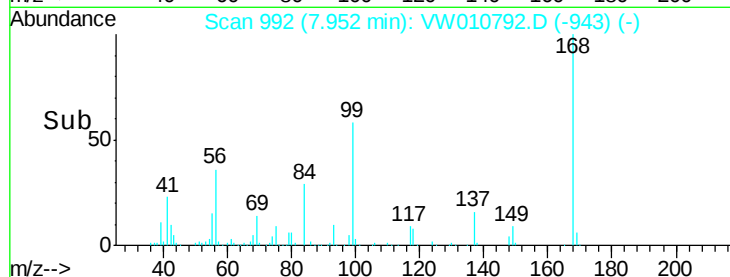
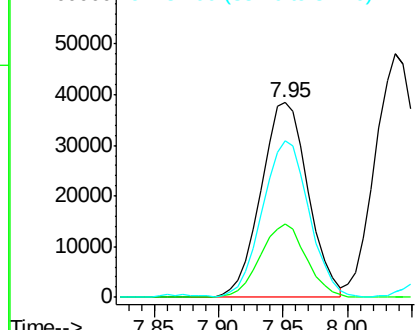
56 100

69 37.7 25.2 37.8

84 79.5 62.2 93.2



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



#32

1,1,1-Trichloroethane

Concen: 18.160 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW010792.D

Acq: 13 Jun 2019 12:42

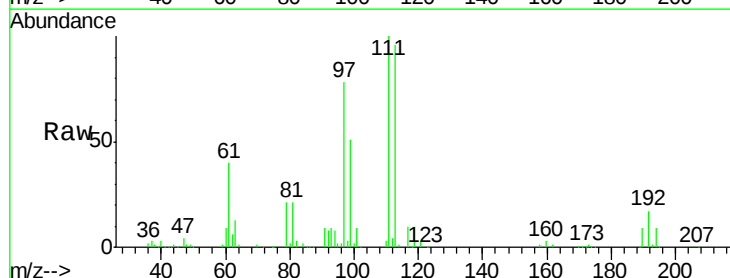
Tgt Ion: 97 Resp: 72258

Ion Ratio Lower Upper

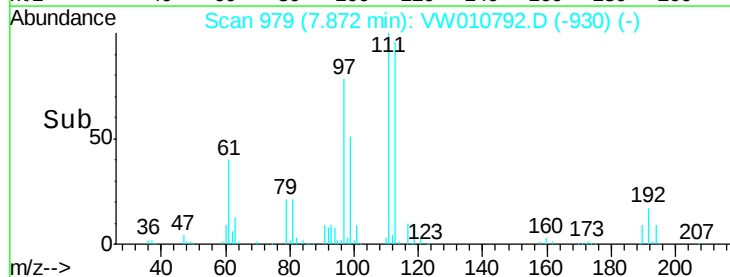
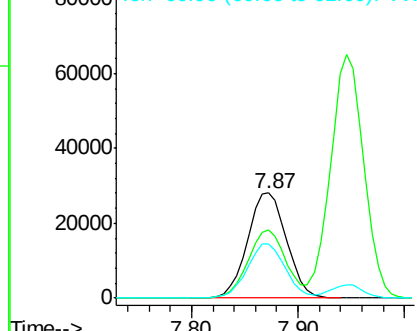
97 100

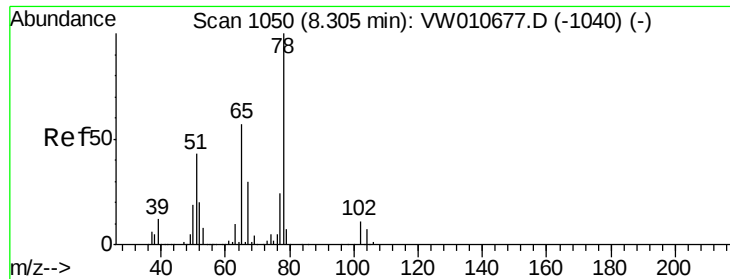
99 62.1 51.3 76.9

61 50.4 40.4 60.6



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

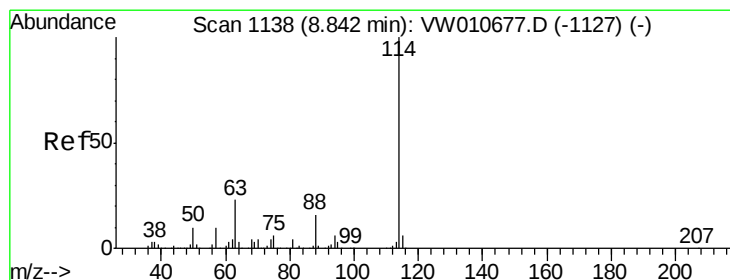
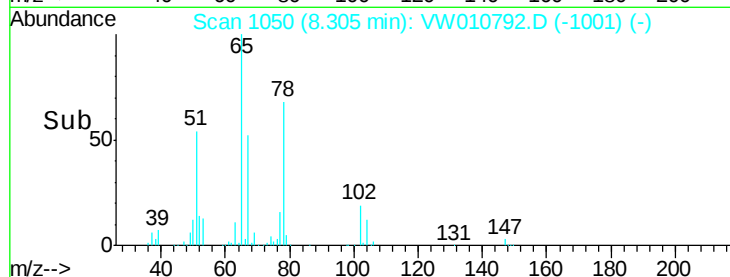
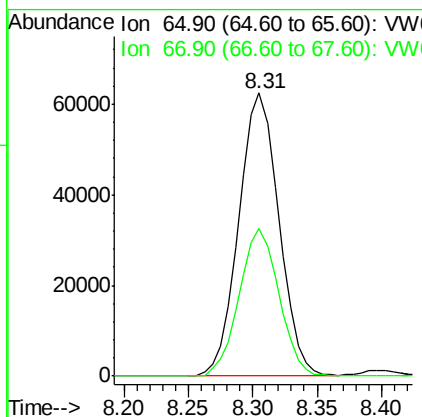
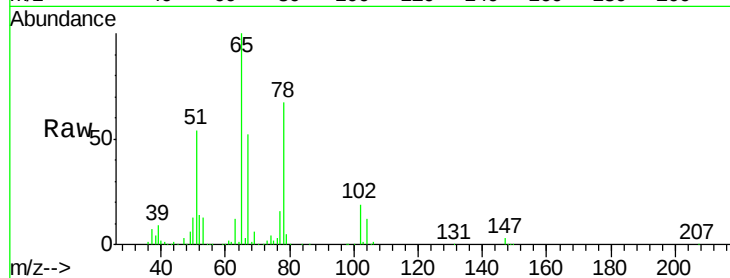




#33
 1,2-Dichloroethane-d4
 Concen: 49.154 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010792.D
 Acq: 13 Jun 2019 12:42

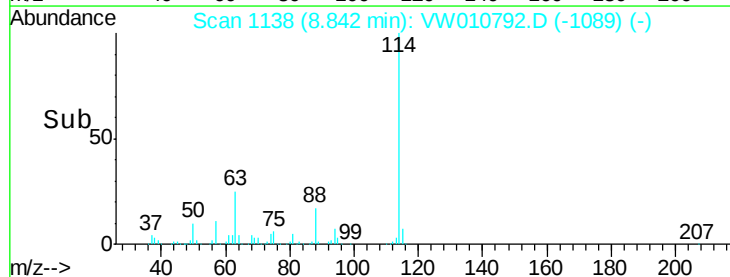
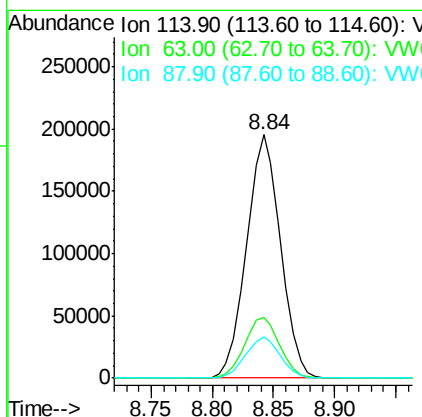
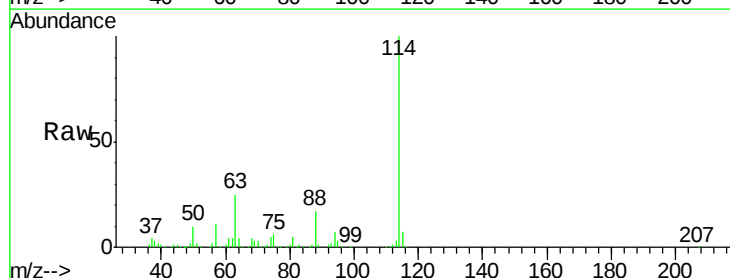
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0613SBSD01

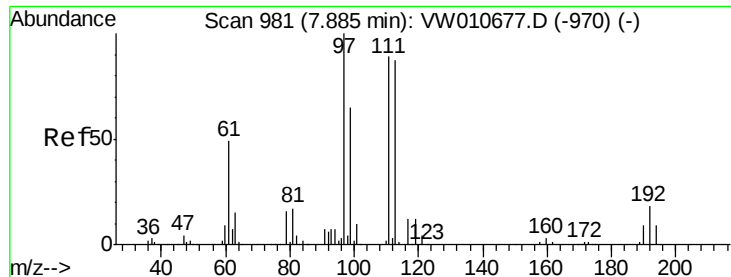
Tot Ion: 65 Resp: 134862
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010792.D
 Acq: 13 Jun 2019 12:42

Tgt Ion: 114 Resp: 377348
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 46.4
 88 16.8 0.0 32.2





#35

Dibromofluoromethane

Concen: 51.292 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW010792.D

Acq: 13 Jun 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

VW0613BSD01

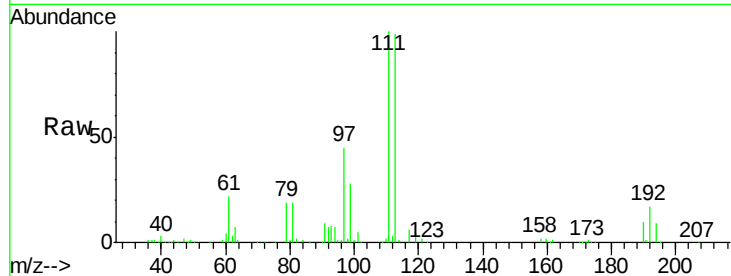
Tot Ion:113 Resp: 105055

Ion Ratio Lower Upper

113 100

111 102.6 82.6 123.8

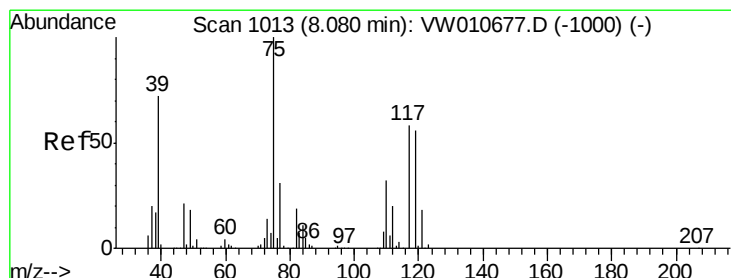
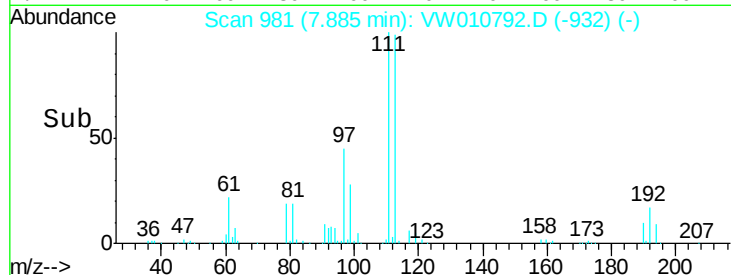
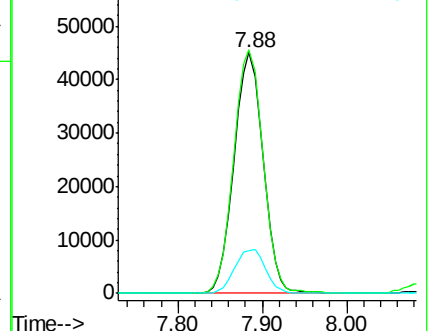
192 19.2 16.4 24.6



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: 17.772 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW010792.D

Acq: 13 Jun 2019 12:42

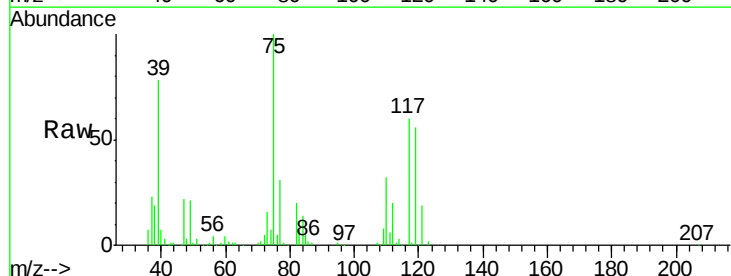
Tgt Ion: 75 Resp: 68645

Ion Ratio Lower Upper

75 100

110 31.9 15.8 47.3

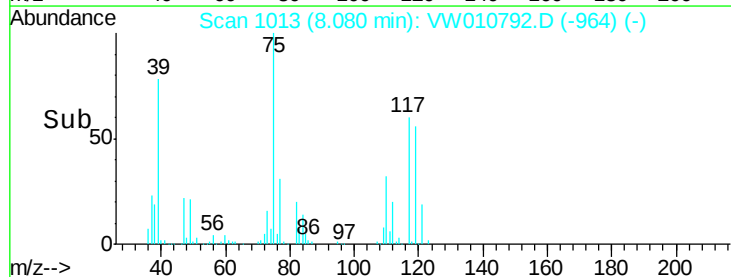
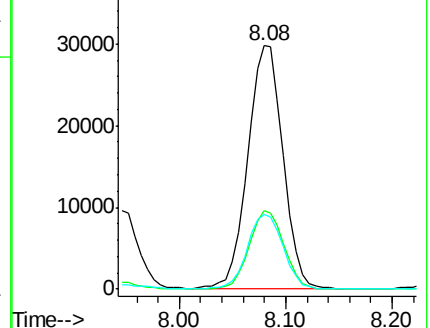
77 31.7 24.7 37.1



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

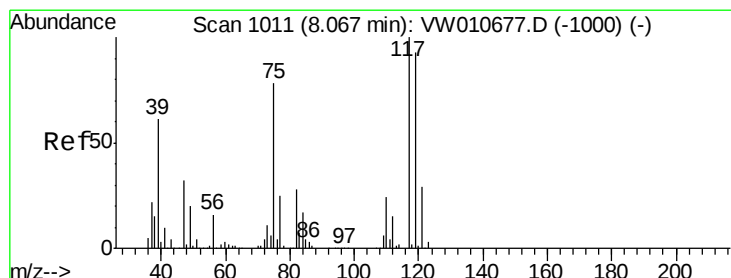
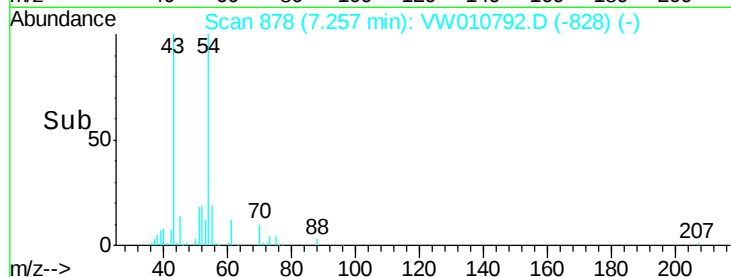
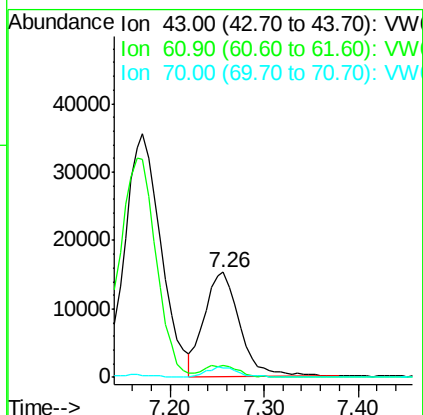
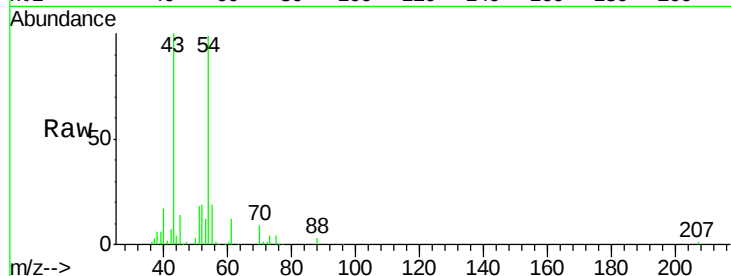




#37
Ethyl Acetate
Concen: 18.352 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW010792.D
Acq: 13 Jun 2019 12:42

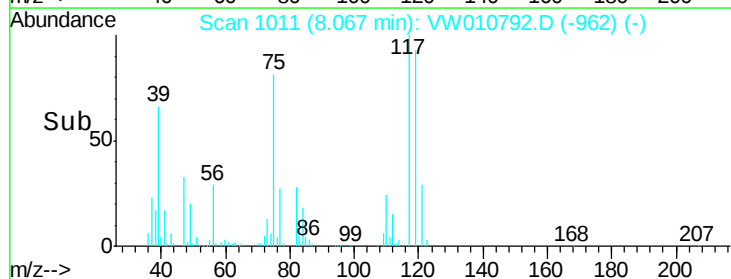
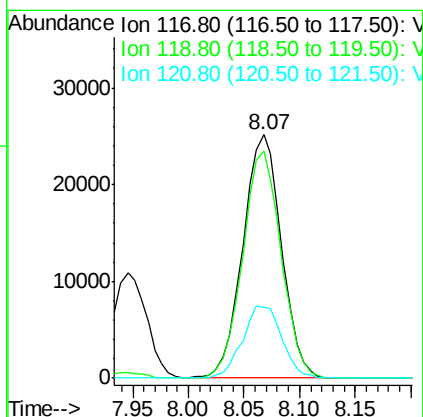
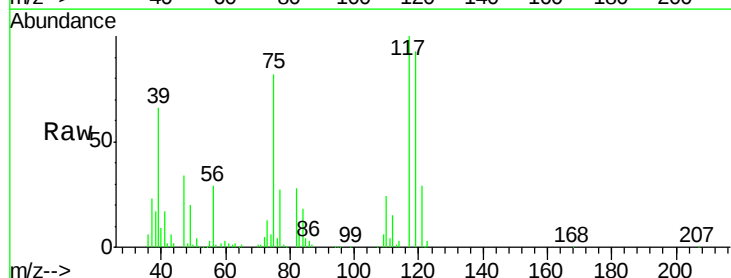
Instrument :
MSVOA_W
ClientSampleId :
VW0613SBS01

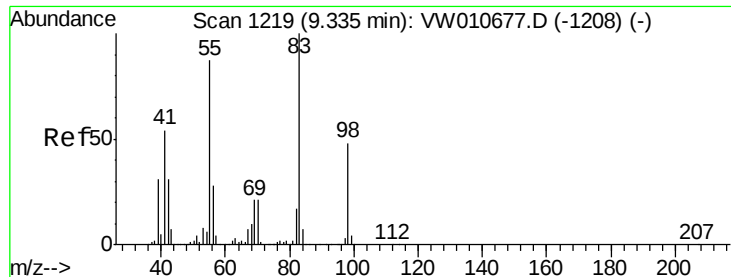
Tot Ion: 43 Resp: 39280
Ion Ratio Lower Upper
43 100
61 11.6 9.7 14.5
70 9.4 7.2 10.8



#38
Carbon Tetrachloride
Concen: 18.158 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW010792.D
Acq: 13 Jun 2019 12:42

Tgt Ion: 117 Resp: 60547
Ion Ratio Lower Upper
117 100
119 93.0 74.2 111.4
121 29.1 22.9 34.3

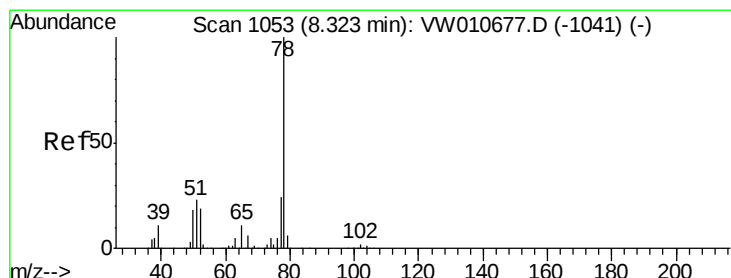
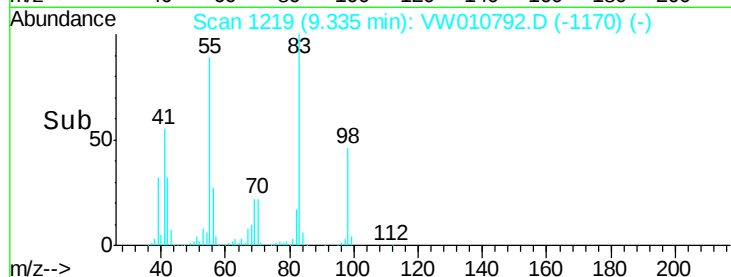
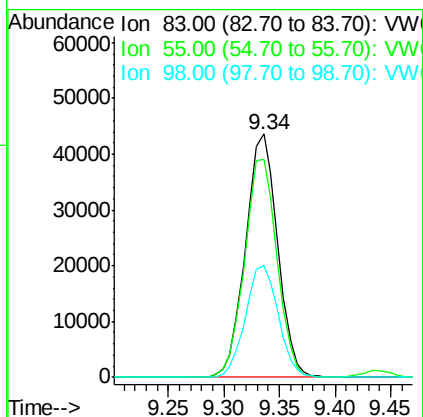
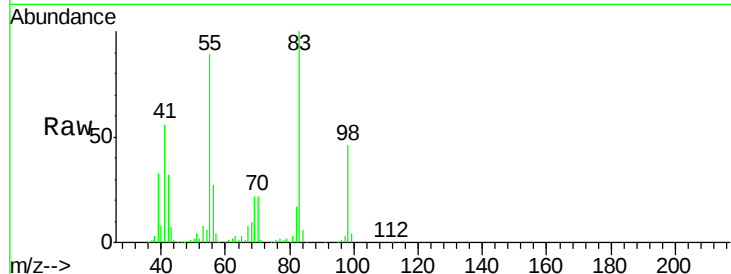




#39
Methylvlcvclohexane
Concen: 17.843 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010792.D
Acq: 13 Jun 2019 12:42

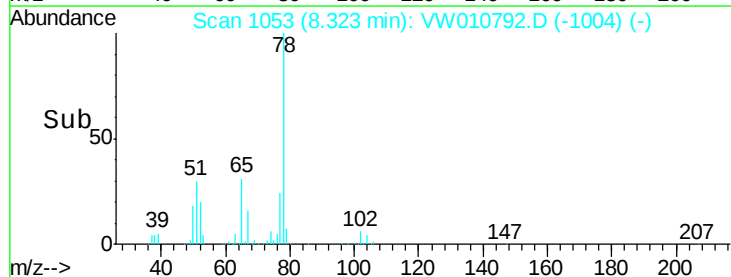
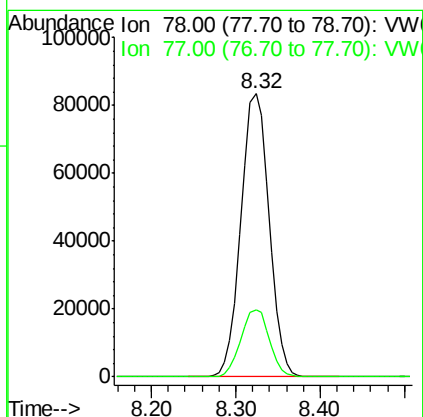
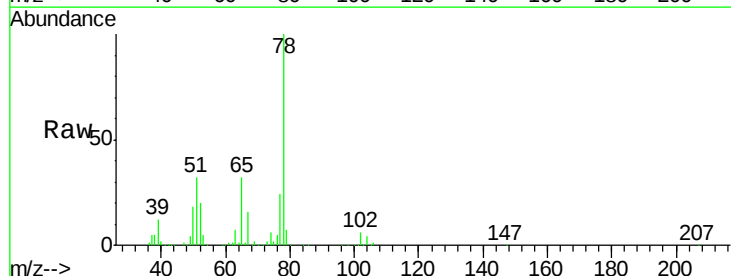
Instrument :
MSVOA_W
ClientSampleId :
VW0613SBSD01

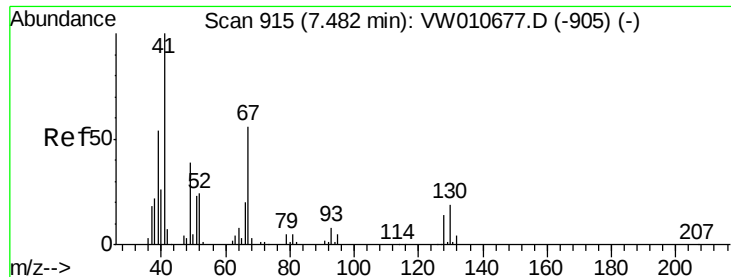
Tot Ion: 83 Resp: 87614
Ion Ratio Lower Upper
83 100
55 89.3 70.0 105.0
98 45.7 38.1 57.1



#40
Benzene
Concen: 17.867 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW010792.D
Acq: 13 Jun 2019 12:42

Tgt Ion: 78 Resp: 188274
Ion Ratio Lower Upper
78 100
77 23.7 19.1 28.7

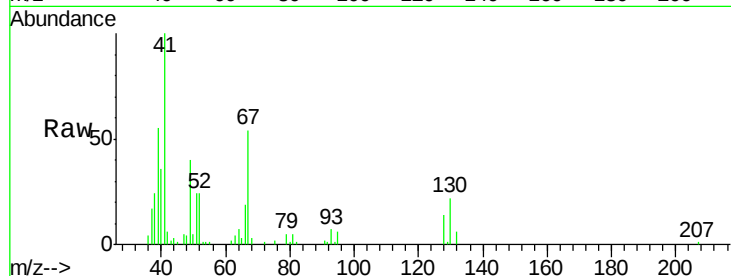




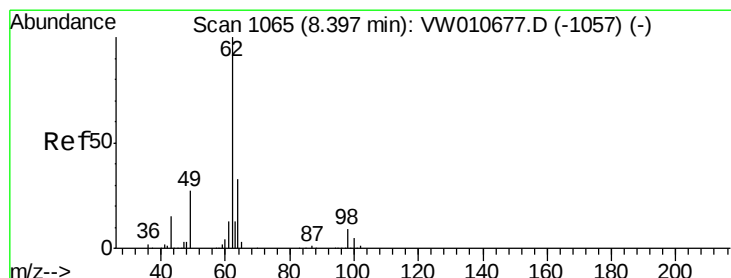
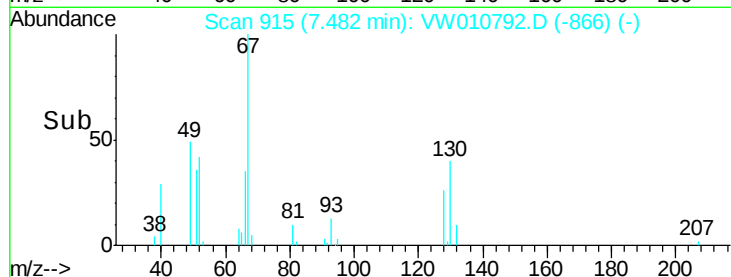
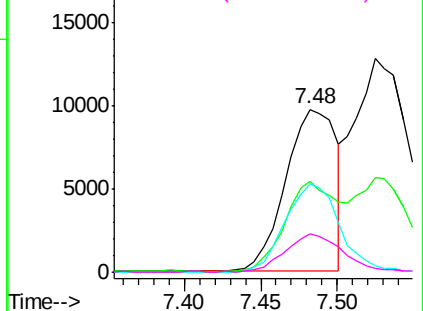
#41
Methacrylonitrile
Concen: 17.562 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW010792.D
Acq: 13 Jun 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW0613SBSD01

Tot Ion:	41	Resp:	22343
Ion	Ratio	Lower	Upper
41	100		
39	61.9	47.3	70.9
67	59.0	47.2	70.8
52	27.2	21.3	31.9

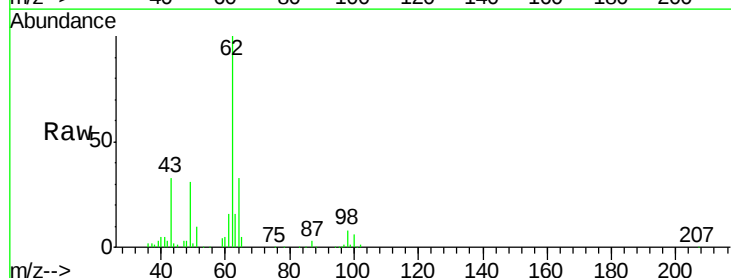


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

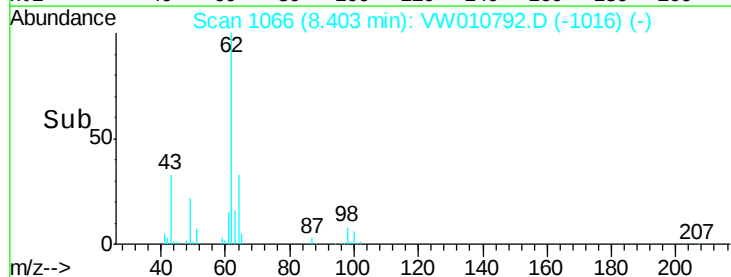
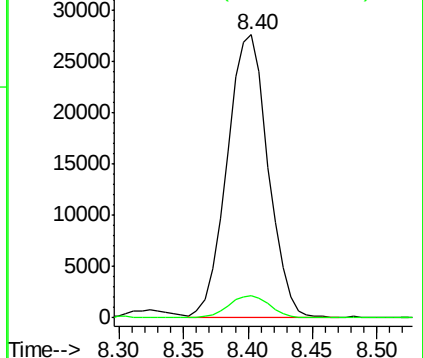


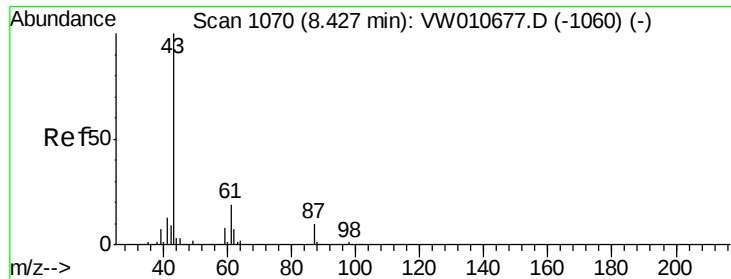
#42
1,2-Dichloroethane
Concen: 18.263 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW010792.D
Acq: 13 Jun 2019 12:42

Tgt Ion:	62	Resp:	61079
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	17.2



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 18.016 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW010792.D

Acq: 13 Jun 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

VW0613SBSD01

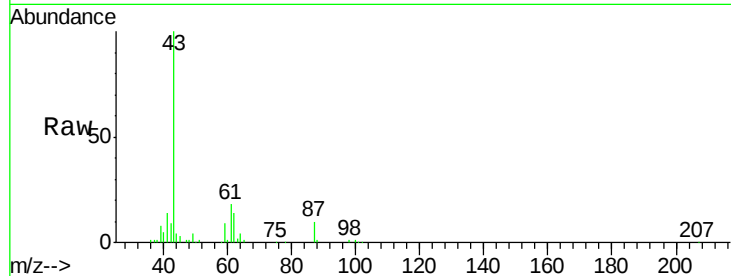
Tot Ion: 43 Resp: 74501

Ion Ratio Lower Upper

43 100

61 25.5 21.2 31.8

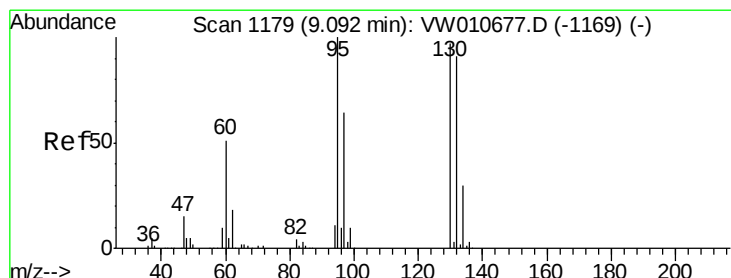
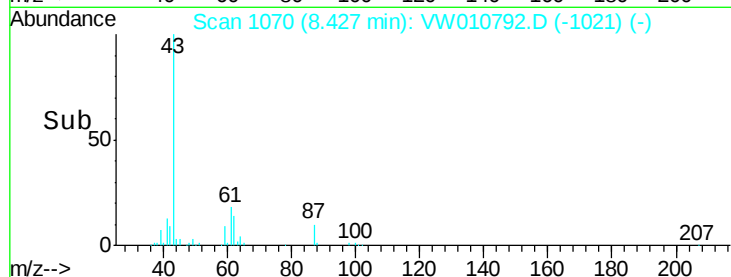
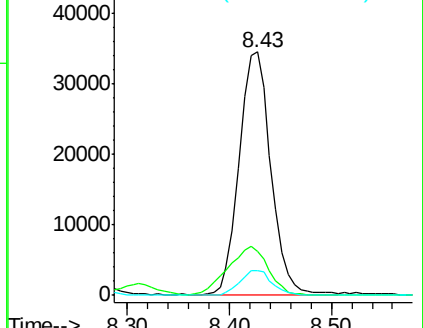
87 10.2 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 17.644 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW010792.D

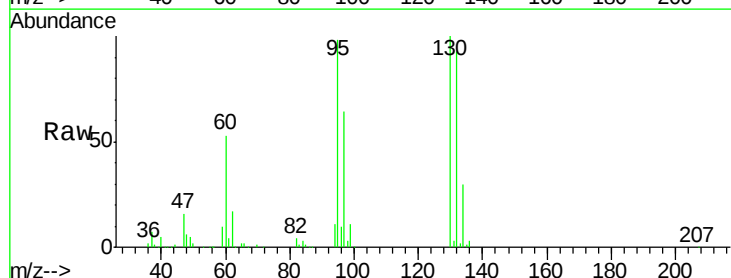
Acq: 13 Jun 2019 12:42

Tgt Ion: 130 Resp: 45862

Ion Ratio Lower Upper

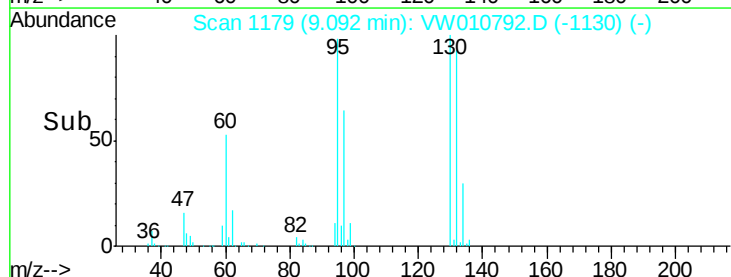
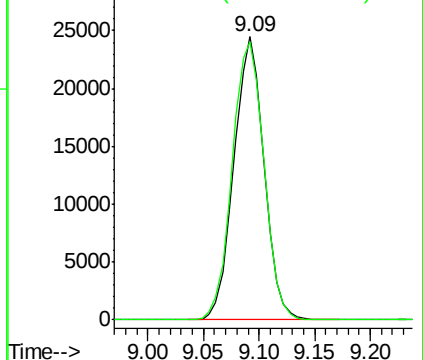
130 100

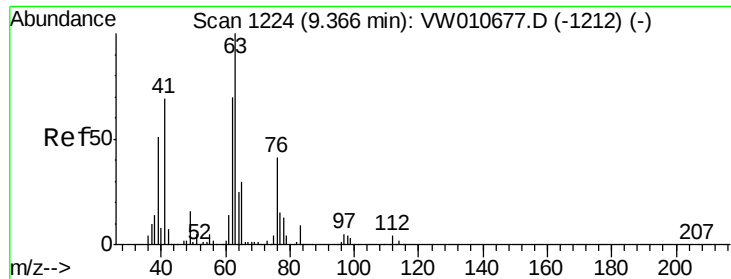
95 98.3 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 18.122 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW010792.D

Acq: 13 Jun 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

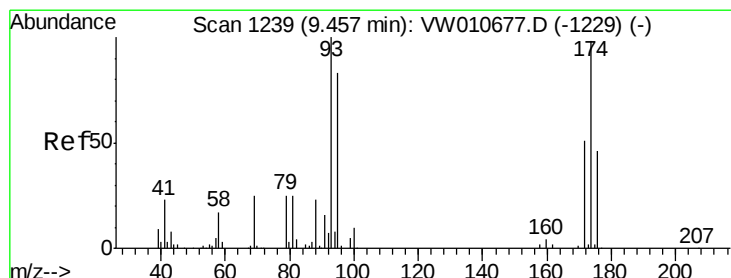
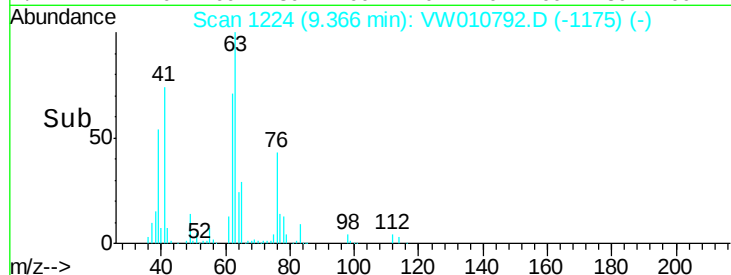
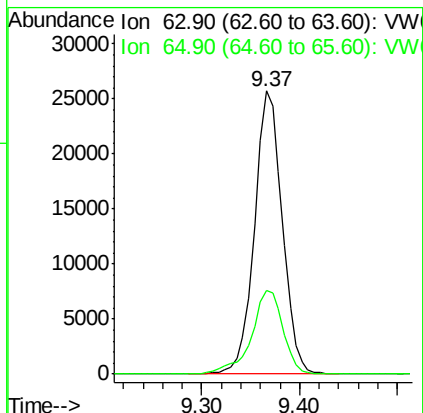
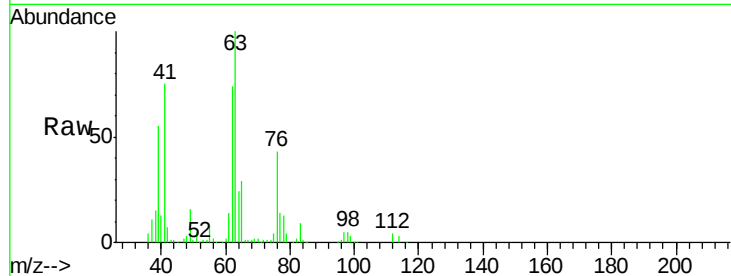
VW0613SBS01

Tot Ion: 63 Resp: 50548

Ion Ratio Lower Upper

63 100

65 29.4 23.8 35.6



#46

Dibromomethane

Concen: 17.762 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW010792.D

Acq: 13 Jun 2019 12:42

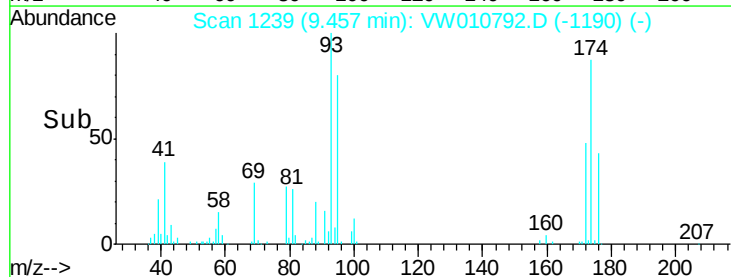
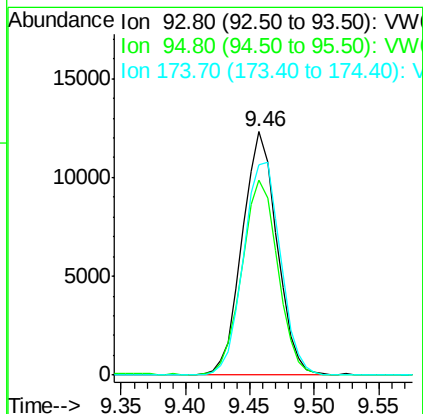
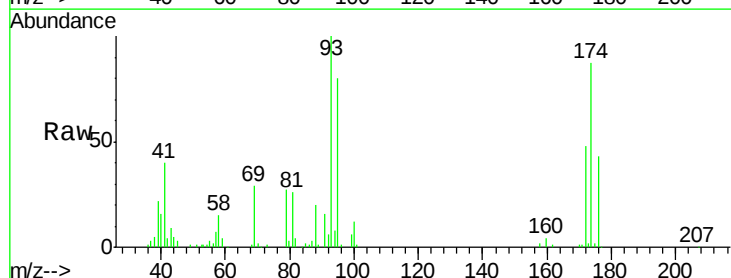
Tgt Ion: 93 Resp: 23013

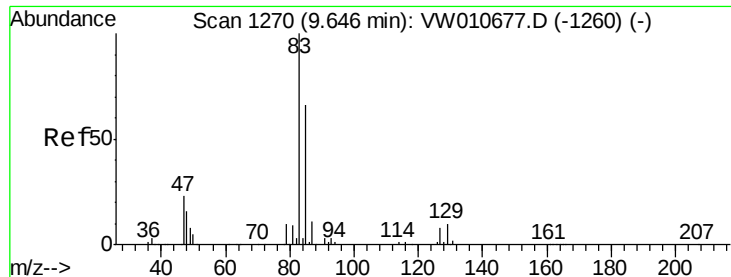
Ion Ratio Lower Upper

93 100

95 82.7 65.8 98.8

174 93.2 77.4 116.0

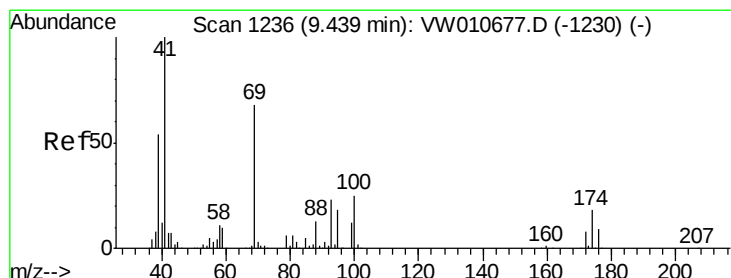
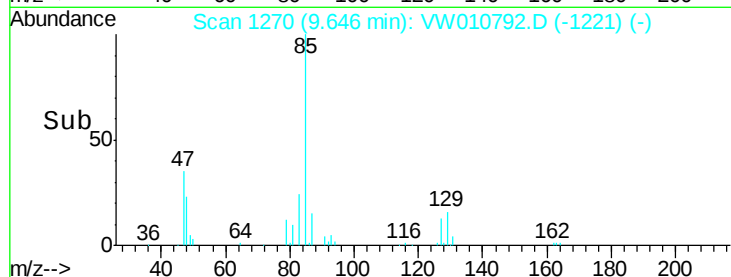
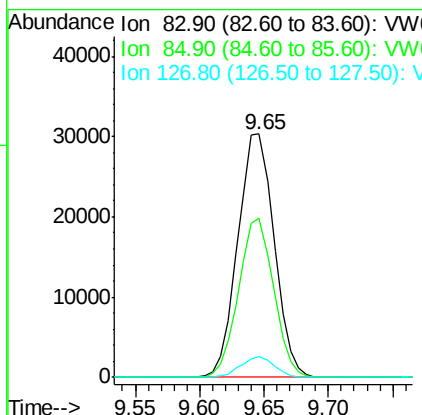
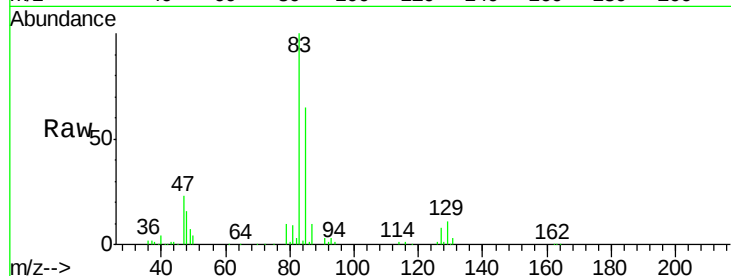




#47
Bromodichloromethane
Concen: 17.652 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW010792.D
Acq: 13 Jun 2019 12:42

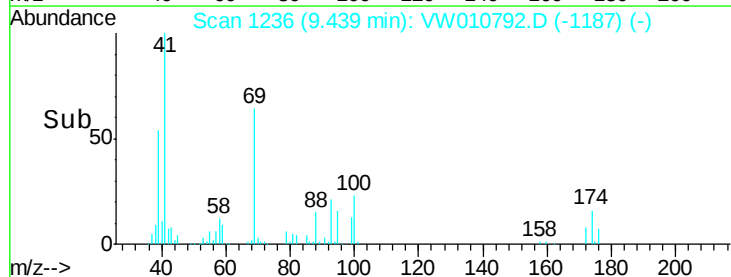
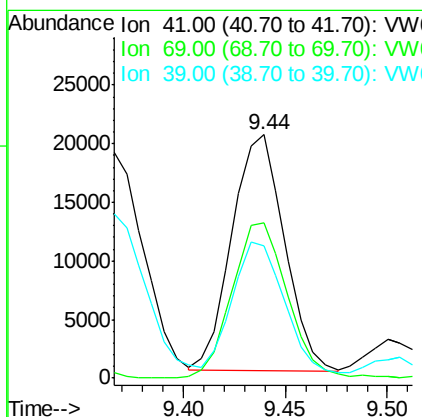
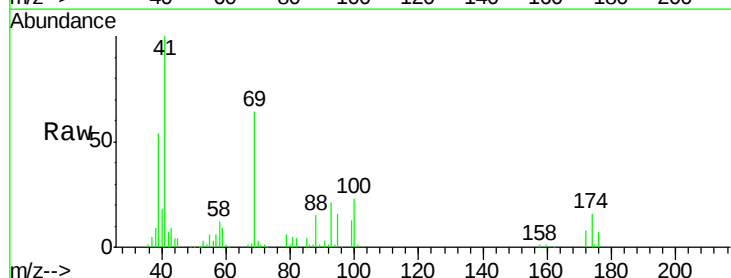
Instrument :
MSVOA_W
ClientSampleId :
VW0613SBSD01

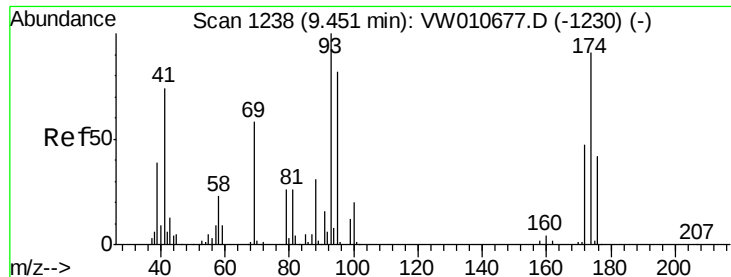
Tot Ion: 83 Resp: 59284
Ion Ratio Lower Upper
83 100
85 65.4 53.0 79.4
127 8.3 6.4 9.6



#48
Methyl methacrylate
Concen: 18.069 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW010792.D
Acq: 13 Jun 2019 12:42

Tgt Ion: 41 Resp: 36026
Ion Ratio Lower Upper
41 100
69 69.8 56.6 85.0
39 54.1 44.4 66.6





#49

1,4-Dioxane

Concen: 357.425 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.01 min

Lab File: VW010792.D

Acq: 13 Jun 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

VW0613SBS01

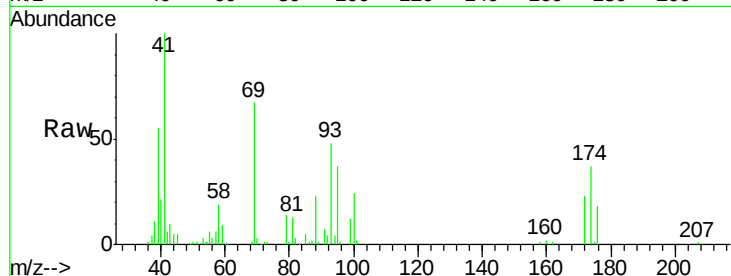
Tot Ion: 88 Resp: 7240

Ion Ratio Lower Upper

88 100

43 42.6 34.2 51.4

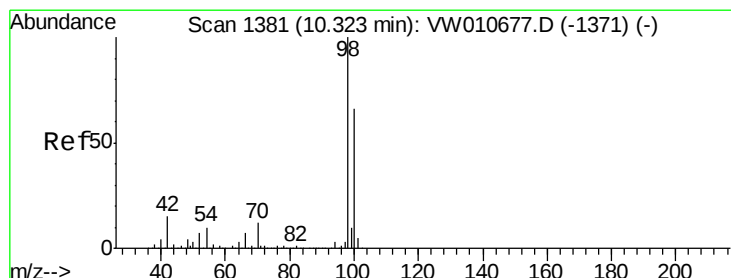
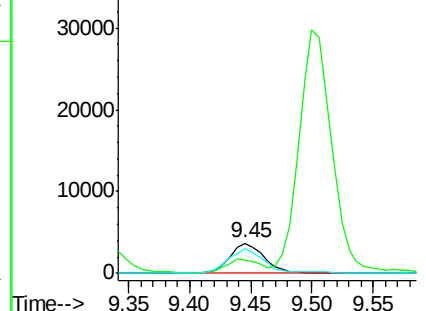
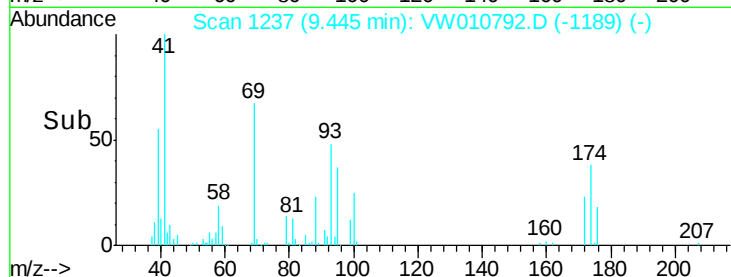
58 84.6 69.0 103.4



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 48.478 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010792.D

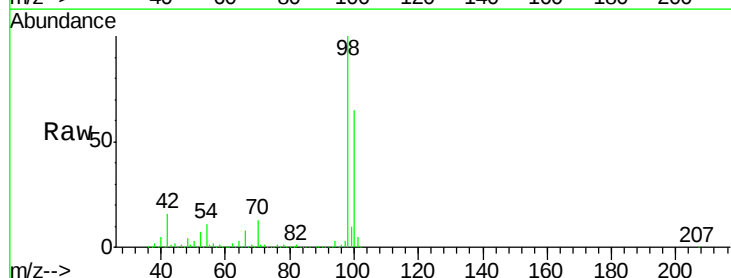
Acq: 13 Jun 2019 12:42

Tgt Ion: 98 Resp: 435406

Ion Ratio Lower Upper

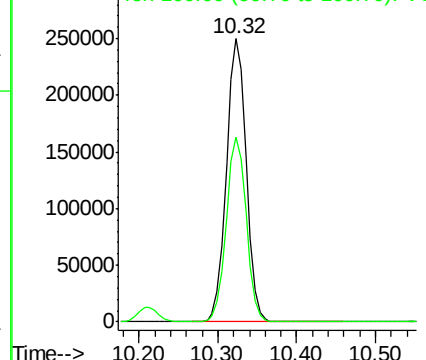
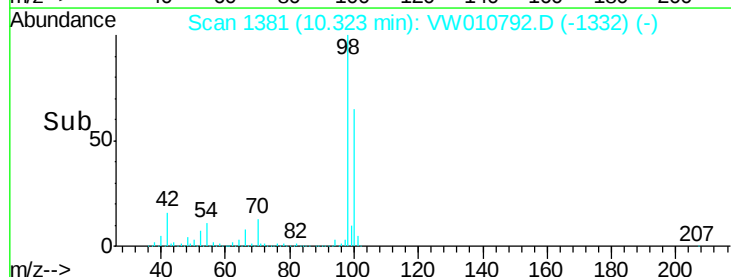
98 100

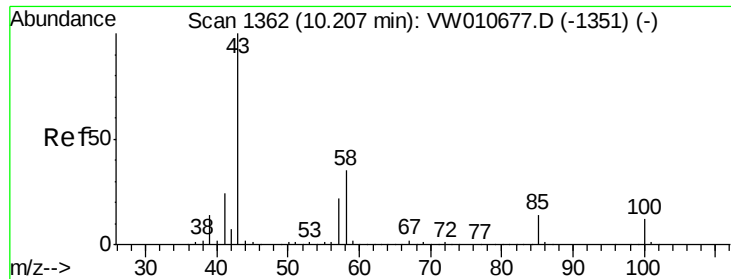
100 65.6 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 91.511 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010792.D

Acq: 13 Jun 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

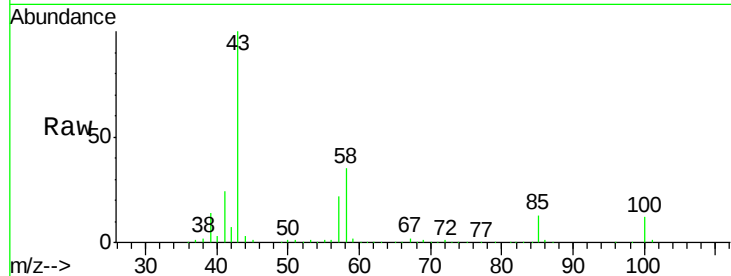
VW0613SBS01

Tot Ion: 43 Resp: 193320

Ion Ratio Lower Upper

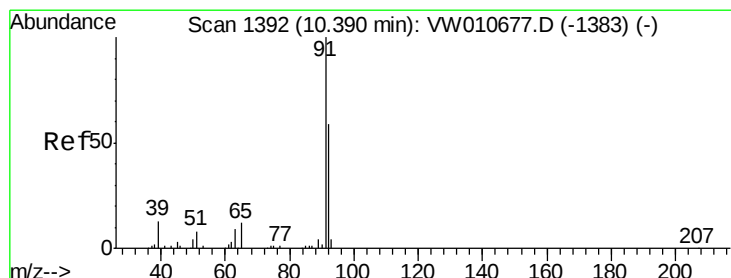
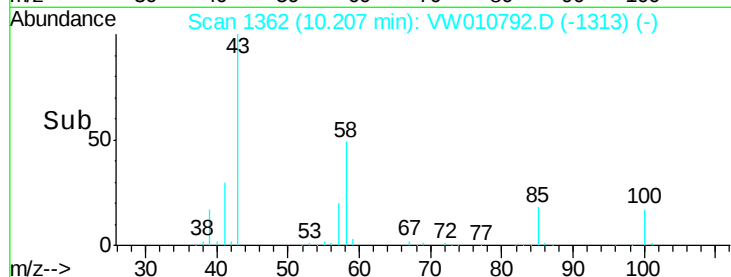
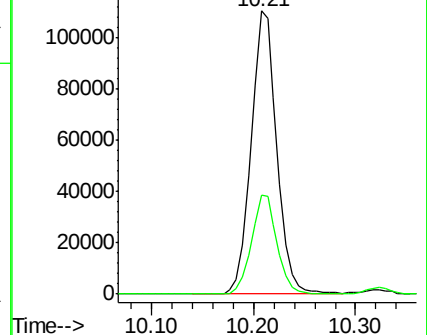
43 100

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: 17.803 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW010792.D

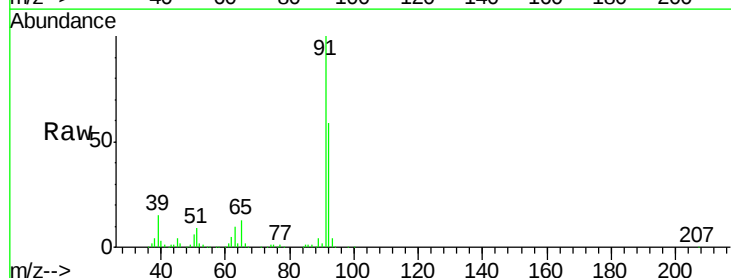
Acq: 13 Jun 2019 12:42

Tgt Ion: 92 Resp: 115426

Ion Ratio Lower Upper

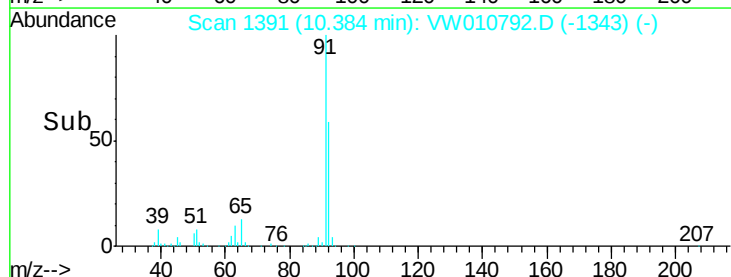
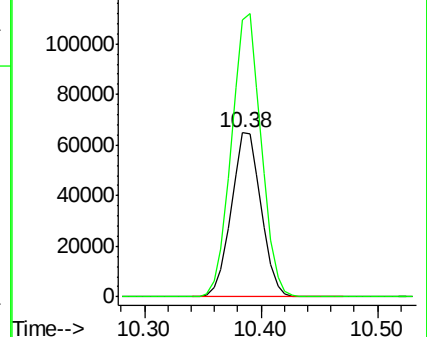
92 100

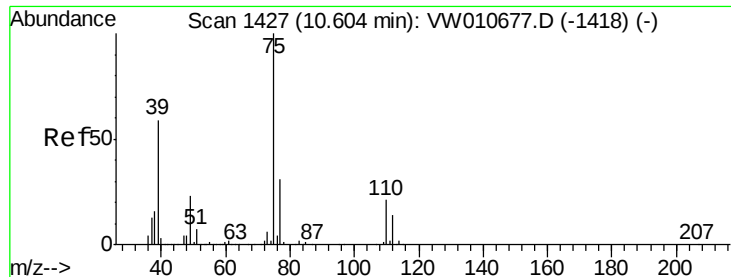
91 172.3 134.9 202.3



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: 17.346 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW010792.D

Acq: 13 Jun 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

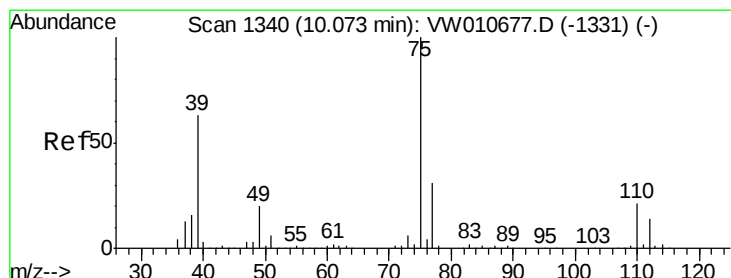
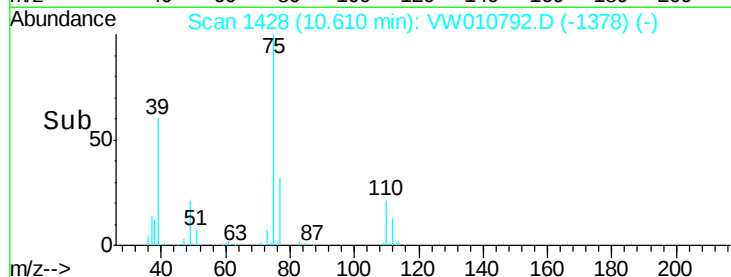
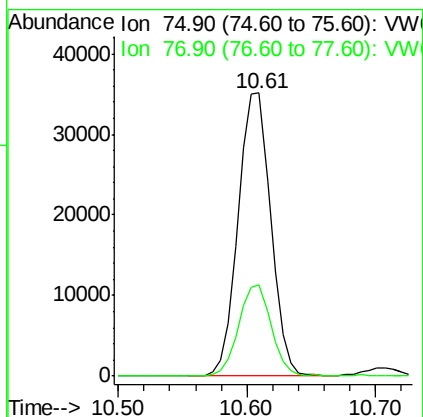
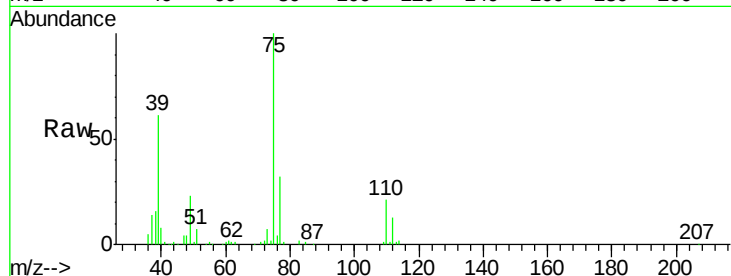
VW0613SBSD01

Tot Ion: 75 Resp: 61704

Ion Ratio Lower Upper

75 100

77 32.0 24.6 36.8



#54

cis-1,3-Dichloropropene

Concen: 17.890 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010792.D

Acq: 13 Jun 2019 12:42

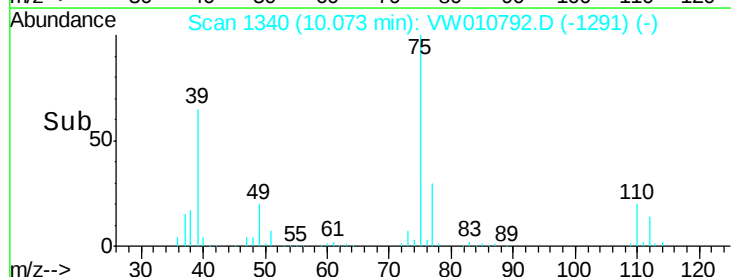
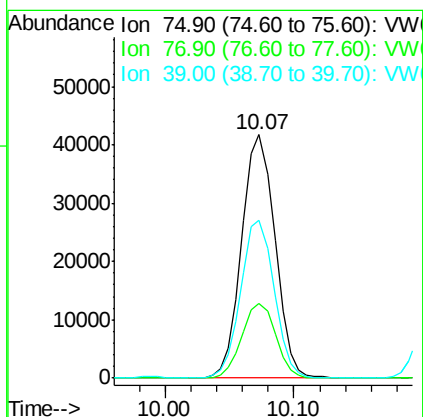
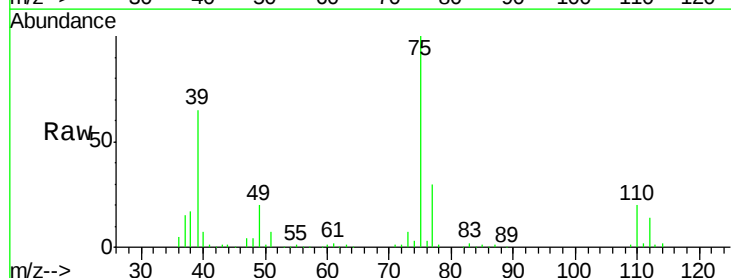
Tgt Ion: 75 Resp: 74882

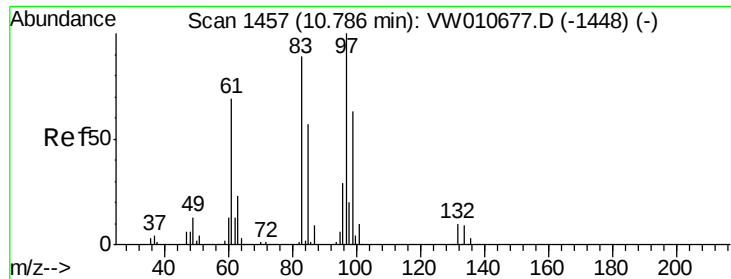
Ion Ratio Lower Upper

75 100

77 30.5 25.2 37.8

39 64.8 50.1 75.1

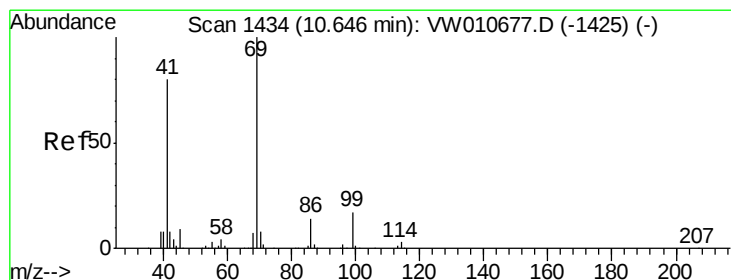
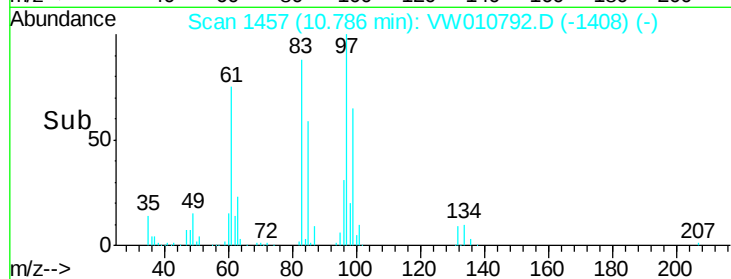
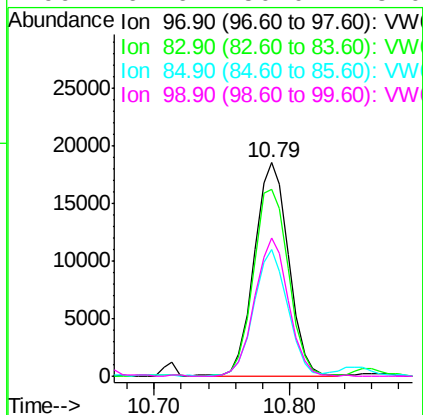
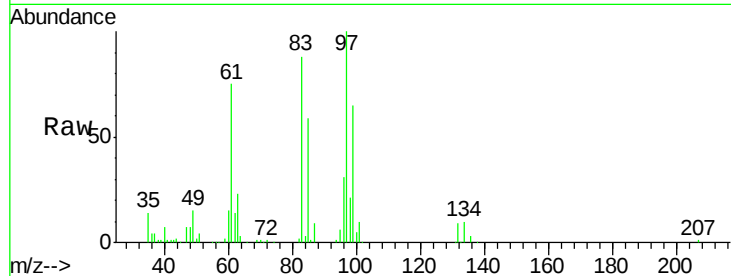




#55
1,1,2-Trichloroethane
Concen: 17.605 ug/l
RT: 10.79 min Scan# 1457
Delta R.T. 0.00 min
Lab File: VW010792.D
Acq: 13 Jun 2019 12:42

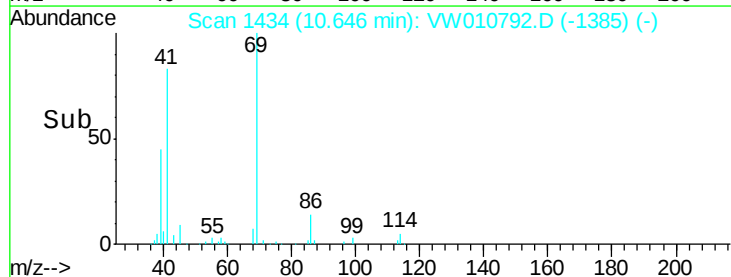
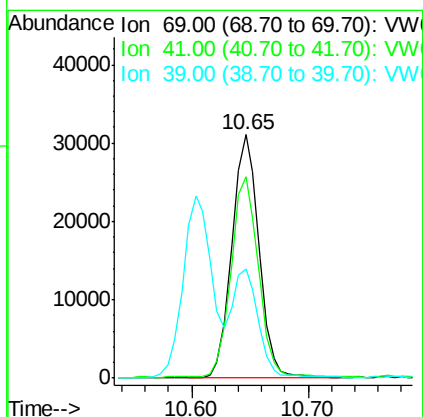
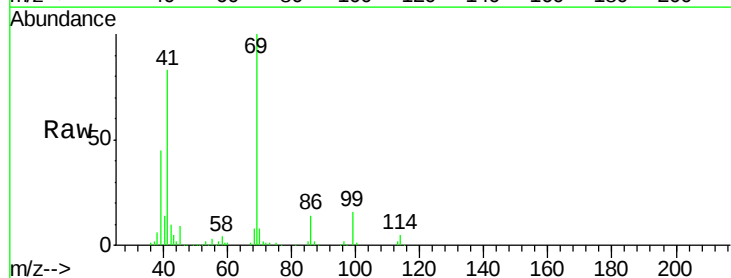
Instrument :
MSVOA_W
ClientSampleId :
VW0613SBSD01

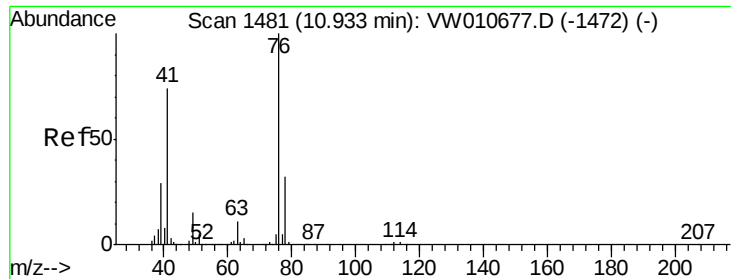
Tot Ion: 97 Resp: 32858
Ion Ratio Lower Upper
97 100
83 87.7 71.1 106.7
85 58.8 45.2 67.8
99 64.6 50.0 75.0



#56
Ethyl methacrylate
Concen: 17.577 ug/l
RT: 10.65 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW010792.D
Acq: 13 Jun 2019 12:42

Tgt Ion: 69 Resp: 50481
Ion Ratio Lower Upper
69 100
41 82.2 64.8 97.2
39 42.5 32.2 48.2

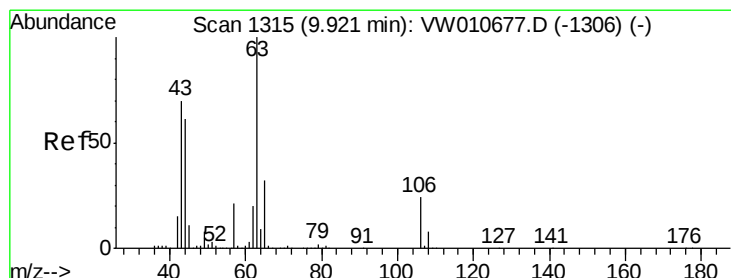
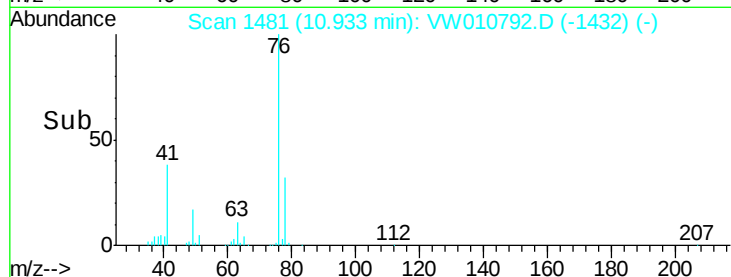
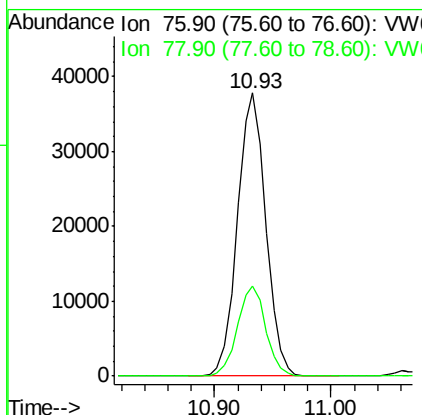
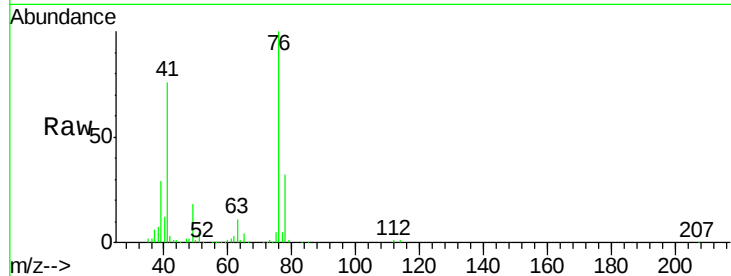




#57
 1,3-Dichloropropane
 Concen: 18.283 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW010792.D
 Acq: 13 Jun 2019 12:42

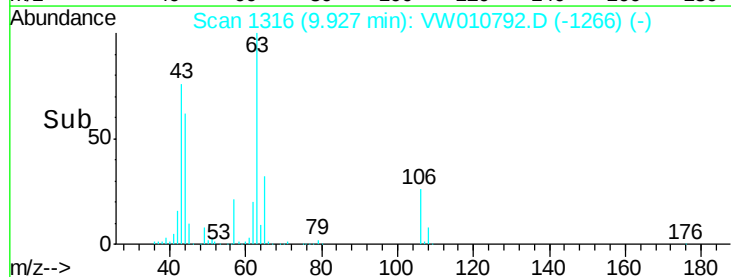
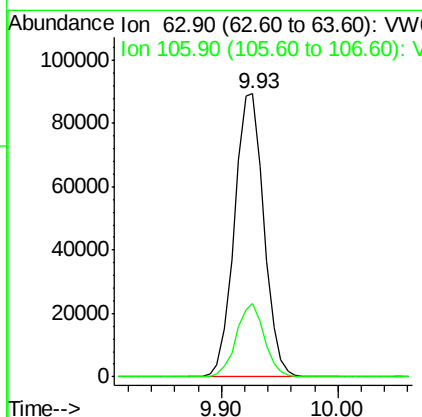
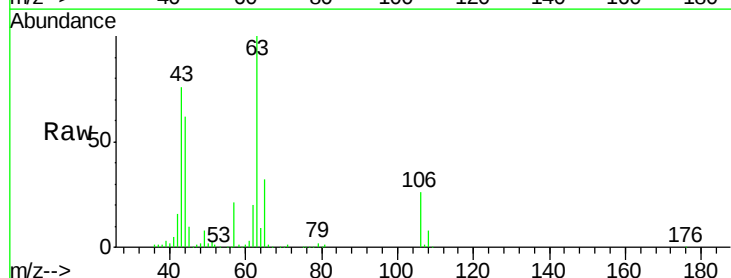
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0613SBSD01

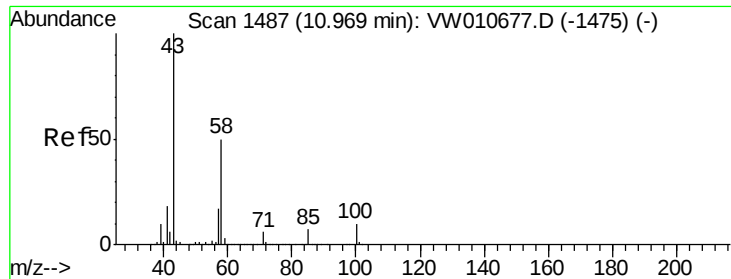
Tot Ion: 76 Resp: 64309
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.795 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW010792.D
 Acq: 13 Jun 2019 12:42

Tgt Ion: 63 Resp: 157639
 Ion Ratio Lower Upper
 63 100
 106 24.8 20.1 30.1

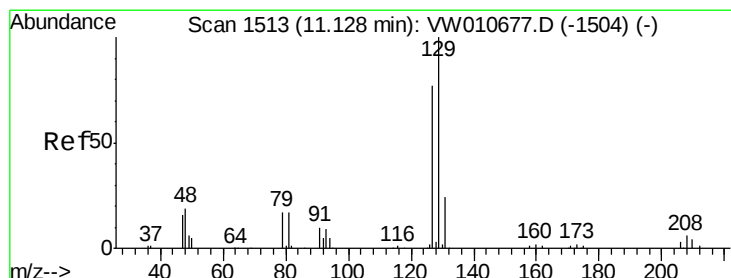
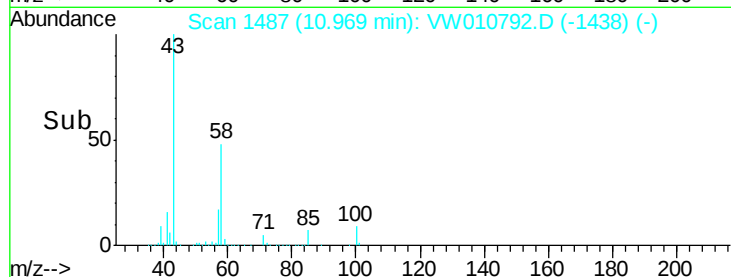
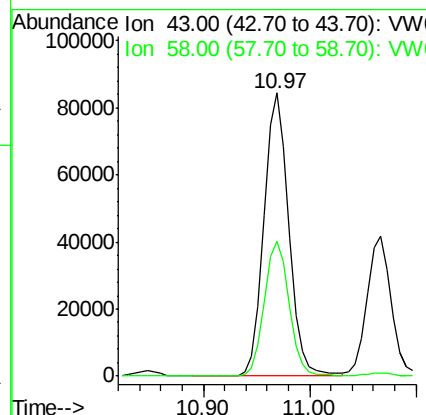
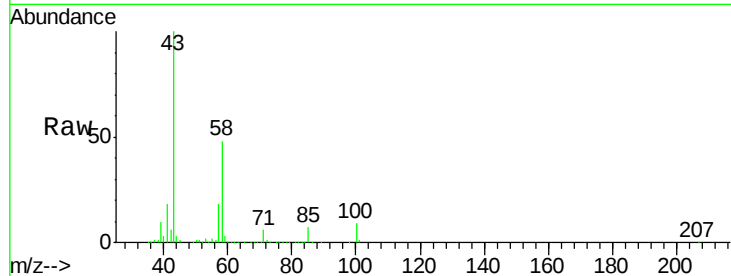




#59
2-Hexanone
Concen: 90.412 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010792.D
Acq: 13 Jun 2019 12:42

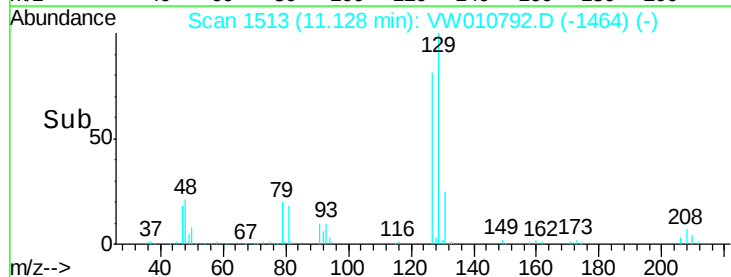
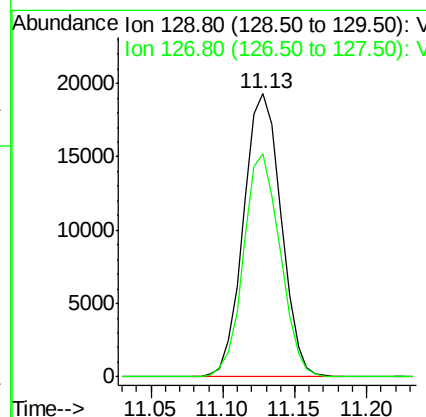
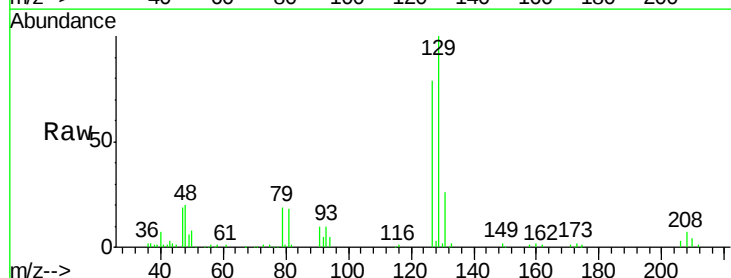
Instrument :
MSVOA_W
ClientSampleId :
VW0613SBSD01

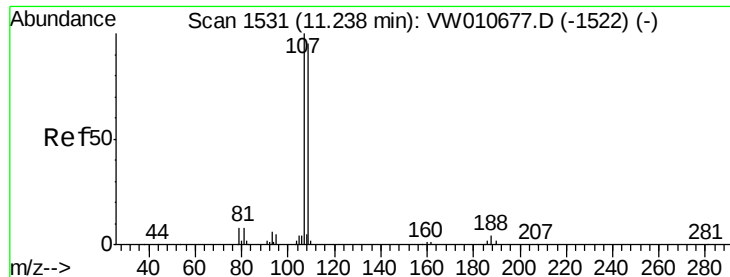
Tot Ion: 43 Resp: 138039
Ion Ratio Lower Upper
43 100
58 48.1 24.9 74.6



#60
Dibromochloromethane
Concen: 16.853 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010792.D
Acq: 13 Jun 2019 12:42

Tgt Ion: 129 Resp: 34869
Ion Ratio Lower Upper
129 100
127 77.0 38.6 116.0





#61

1,2-Dibromoethane

Concen: 17.855 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW010792.D

Acq: 13 Jun 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

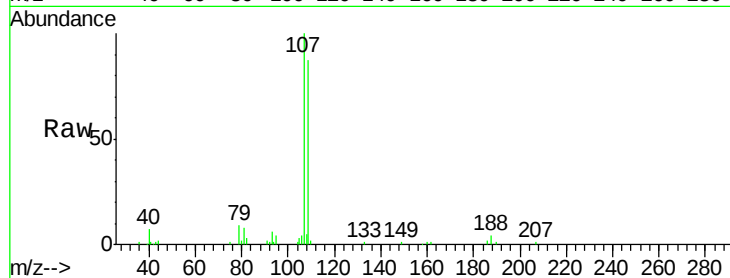
VW0613SBSD01

Tot Ion: 107 Resp: 31575

Ion Ratio Lower Upper

107 100

109 92.5 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

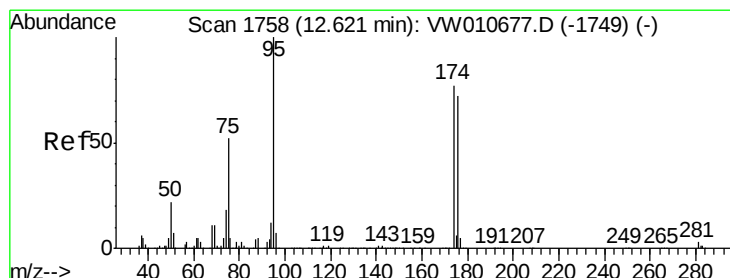
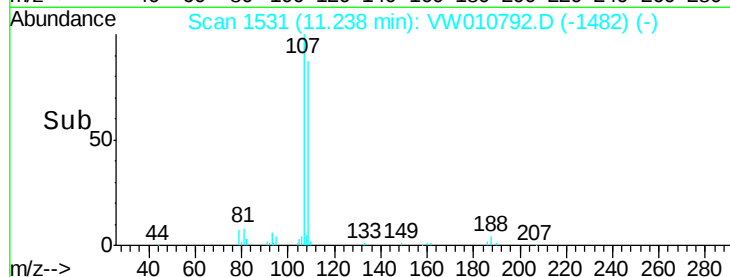
10000

5000

0

Time-->

11.20 11.30



#62

4-Bromofluorobenzene

Concen: 49.649 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010792.D

Acq: 13 Jun 2019 12:42

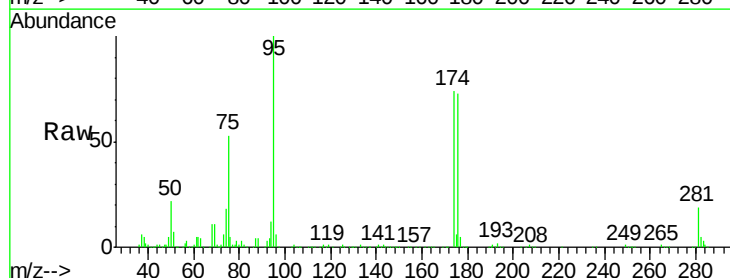
Tgt Ion: 95 Resp: 162263

Ion Ratio Lower Upper

95 100

174 73.5 0.0 150.4

176 71.3 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

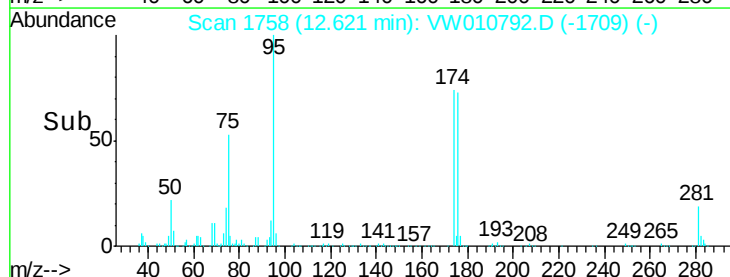
100000

50000

0

Time-->

12.60 12.70

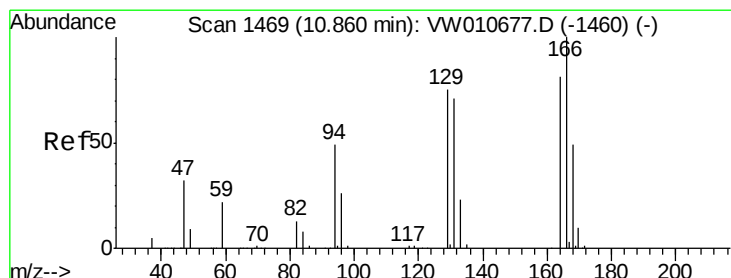
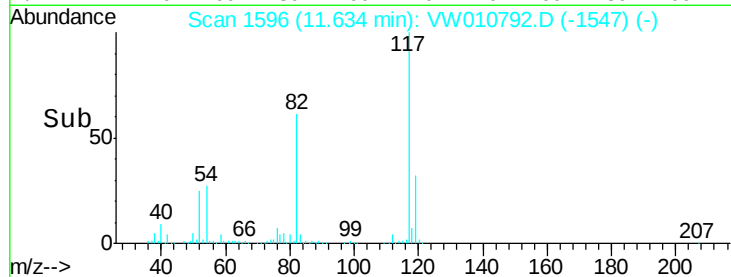
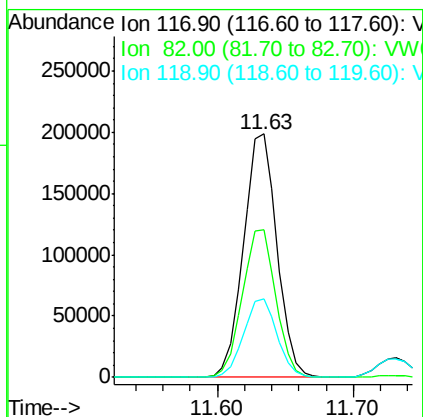
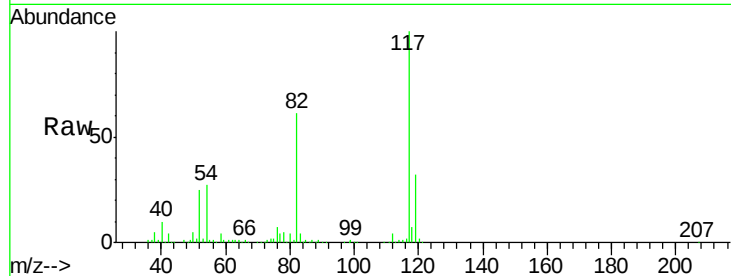




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010792.D
Acq: 13 Jun 2019 12:42

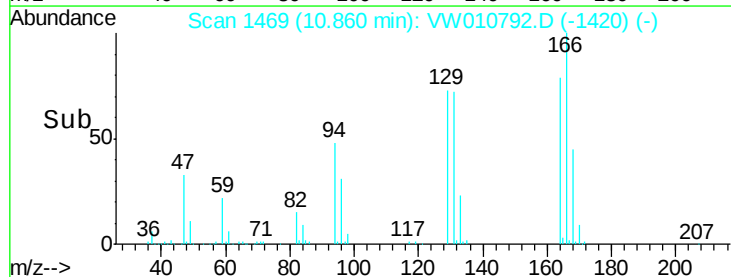
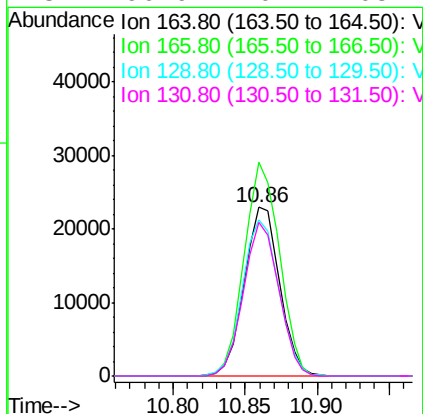
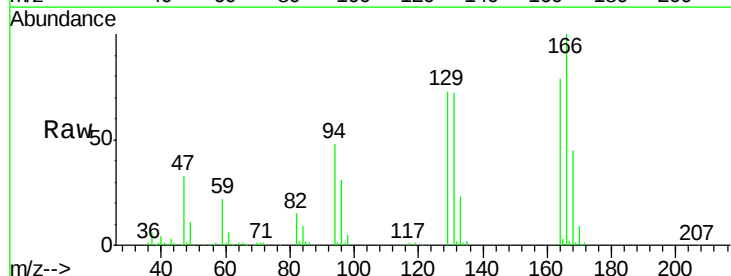
Instrument :
MSVOA_W
ClientSampleId :
VW0613SBSD01

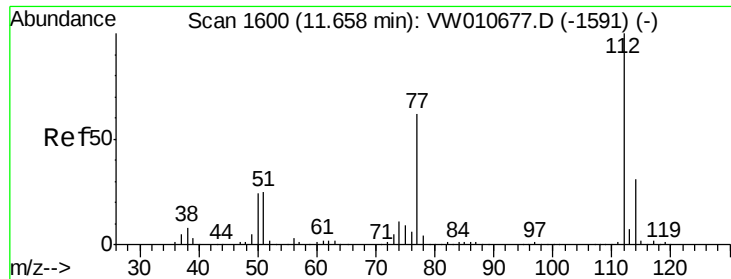
Tot Ion:117 Resp: 340924
Ion Ratio Lower Upper
117 100
82 60.6 47.0 70.4
119 32.1 25.1 37.7



#64
Tetrachloroethene
Concen: 17.324 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010792.D
Acq: 13 Jun 2019 12:42

Tgt Ion:164 Resp: 39215
Ion Ratio Lower Upper
164 100
166 126.8 99.2 148.8
129 92.8 74.6 112.0
131 90.9 70.2 105.4

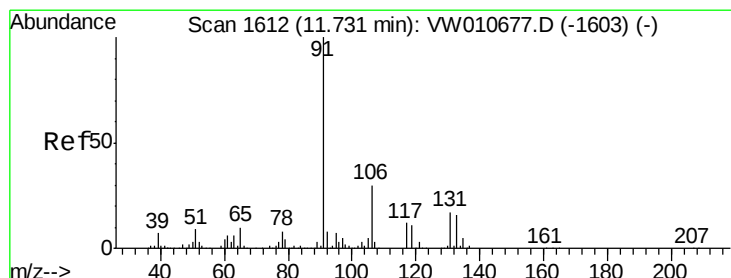
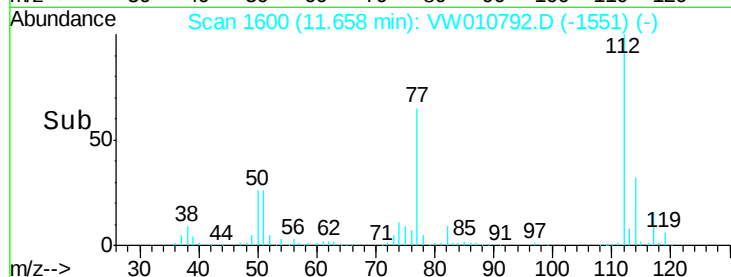
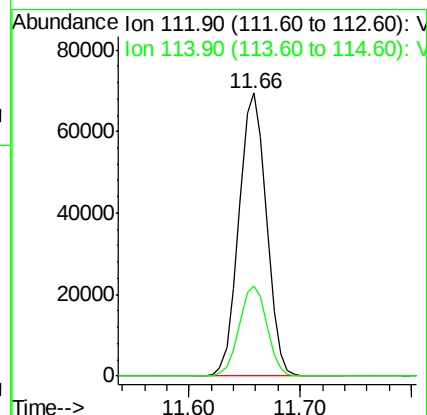
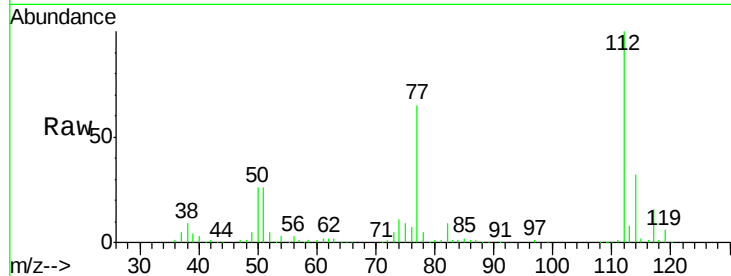




#65
Chlorobenzene
Concen: 17.691 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010792.D
Acq: 13 Jun 2019 12:42

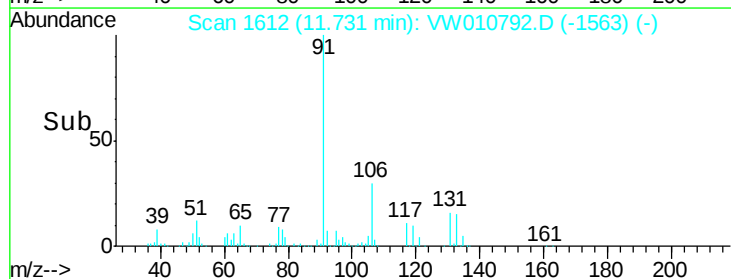
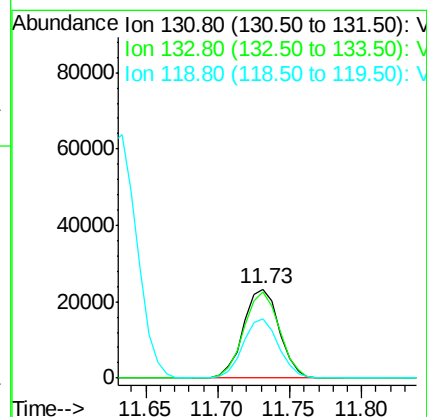
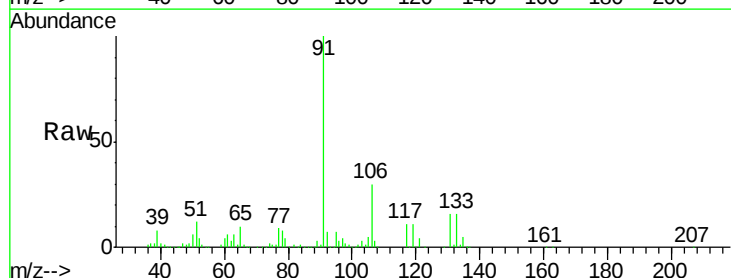
Instrument :
MSVOA_W
ClientSampleId :
VW0613SBSD01

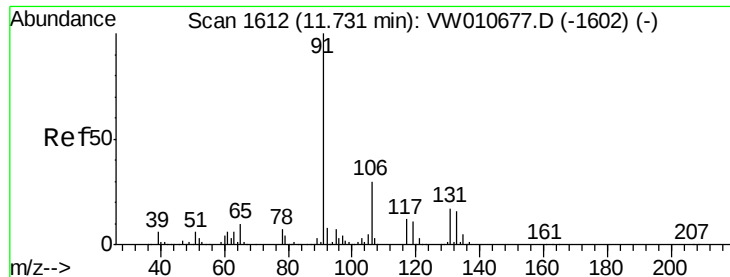
Tot Ion:112 Resp: 118601
Ion Ratio Lower Upper
112 100
114 31.8 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 17.391 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010792.D
Acq: 13 Jun 2019 12:42

Tgt Ion:131 Resp: 40361
Ion Ratio Lower Upper
131 100
133 96.2 47.3 141.9
119 66.3 32.4 97.0





#67

Ethyl Benzene

Concen: 17.775 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010792.D

Acq: 13 Jun 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

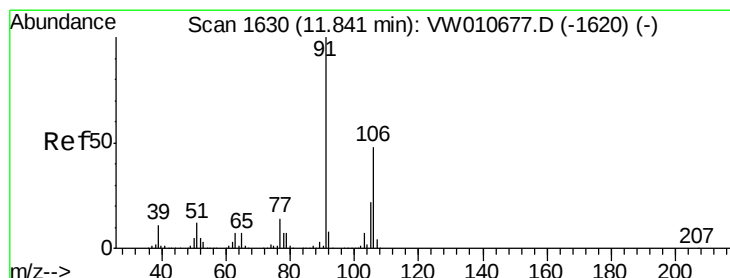
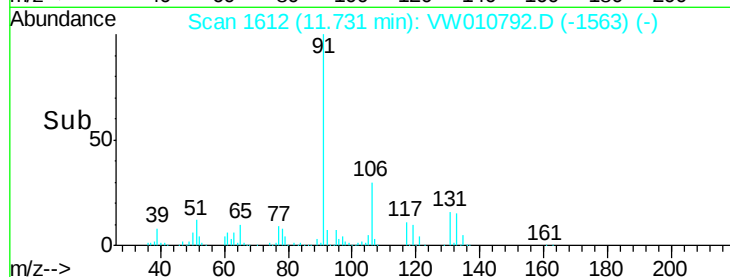
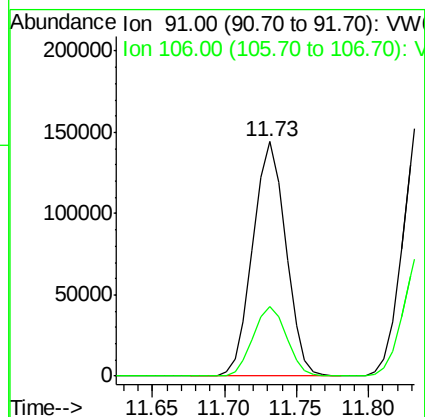
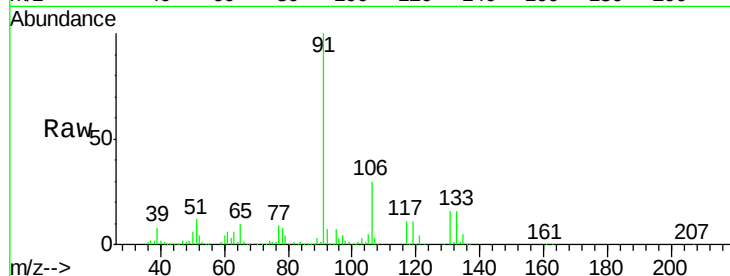
VW0613SBS01

Tot Ion: 91 Resp: 229029

Ion Ratio Lower Upper

91 100

106 29.6 24.2 36.4



#68

m/p-Xylenes

Concen: 35.289 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW010792.D

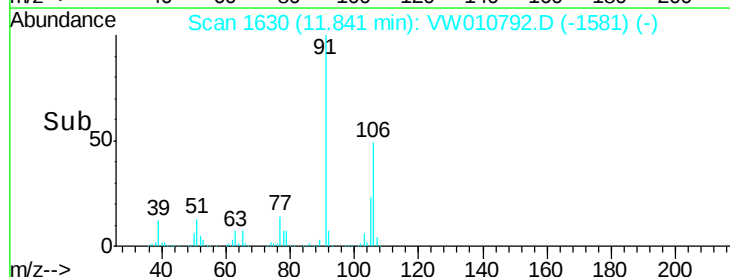
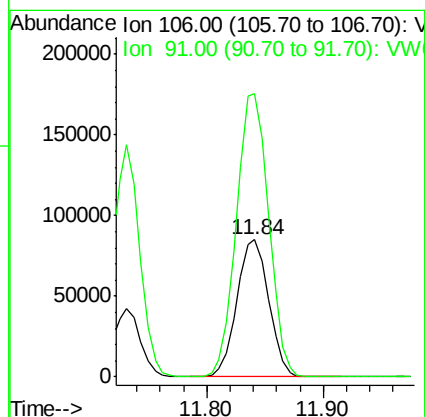
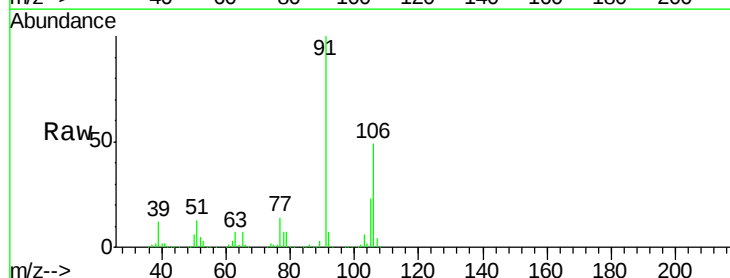
Acq: 13 Jun 2019 12:42

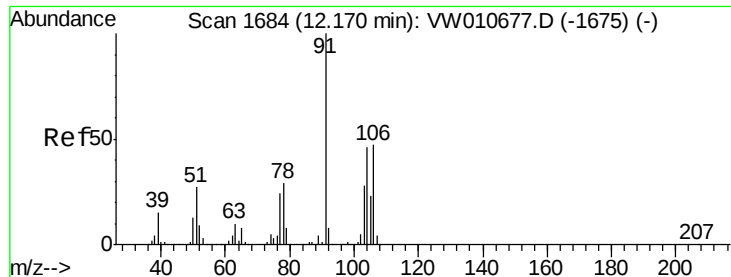
Tgt Ion: 106 Resp: 162765

Ion Ratio Lower Upper

106 100

91 209.1 166.5 249.7

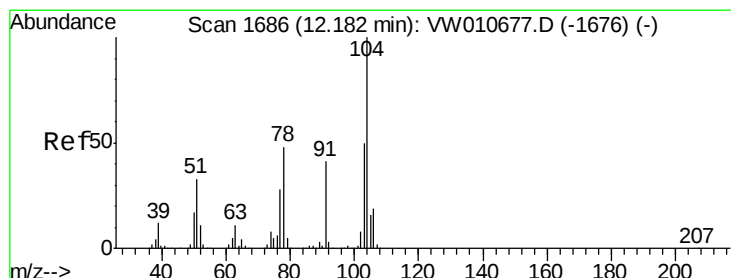
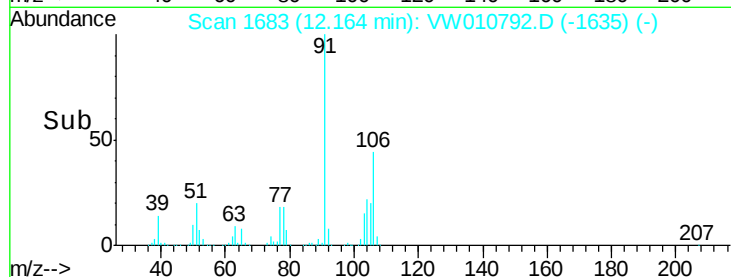
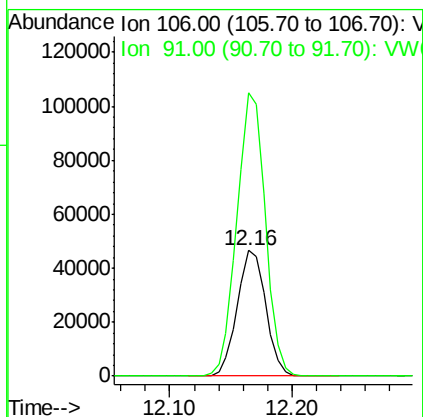
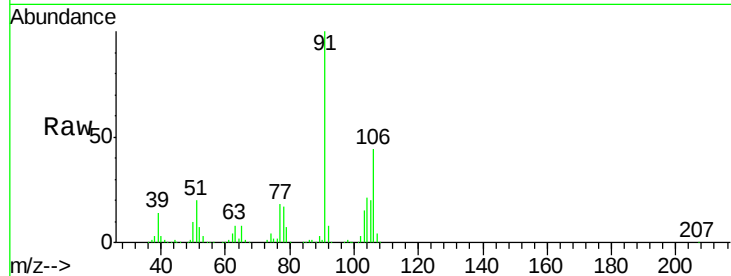




#69
o-Xylene
Concen: 17.210 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010792.D
Acq: 13 Jun 2019 12:42

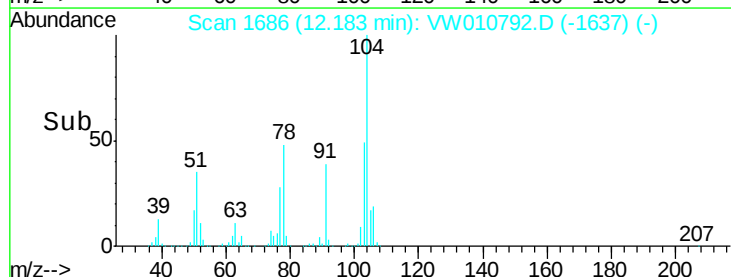
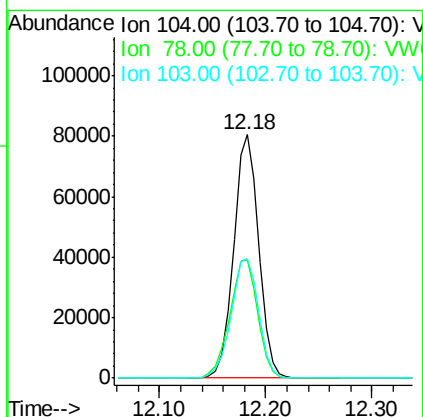
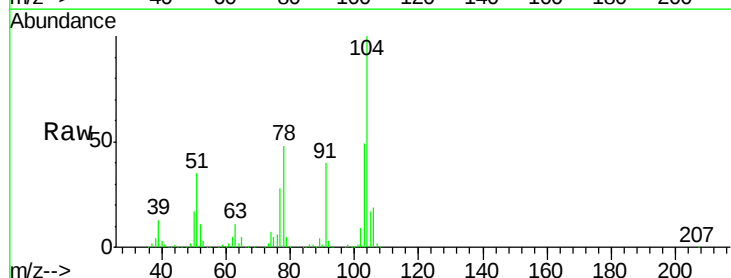
Instrument :
MSVOA_W
ClientSampleId :
VW0613SBSD01

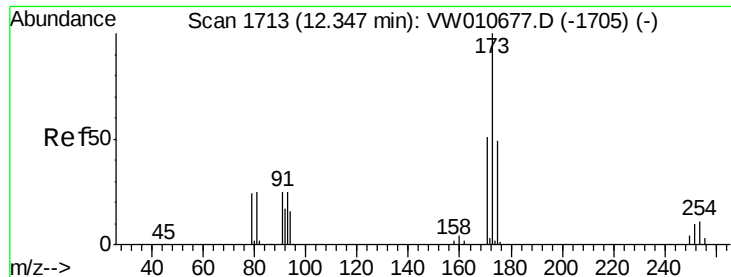
Tot Ion:106 Resp: 75282
Ion Ratio Lower Upper
106 100
91 225.2 108.9 326.6



#70
Styrene
Concen: 17.477 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010792.D
Acq: 13 Jun 2019 12:42

Tgt Ion:104 Resp: 132808
Ion Ratio Lower Upper
104 100
78 54.2 42.7 64.1
103 54.2 43.6 65.4

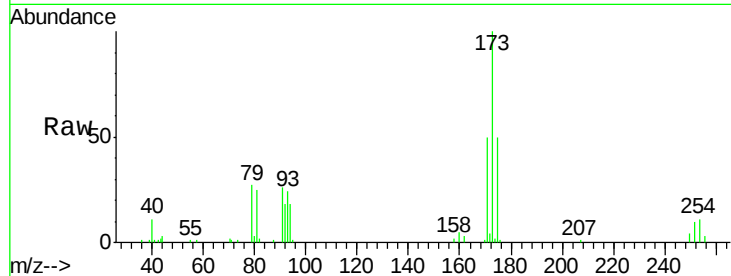




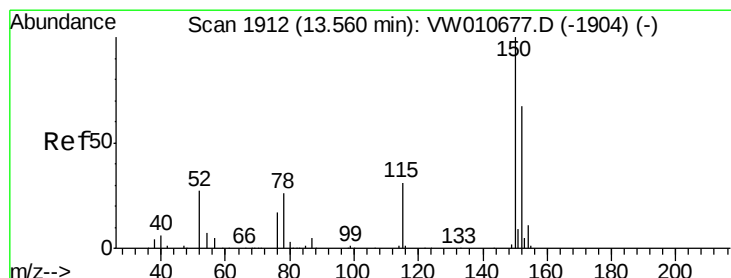
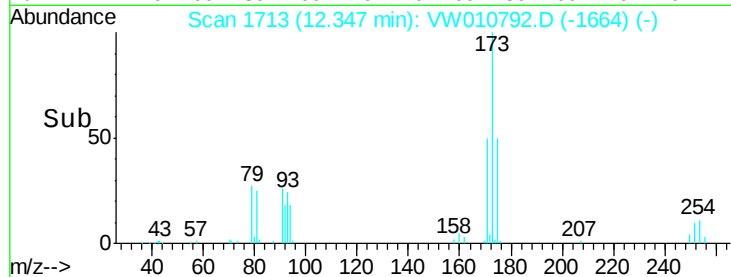
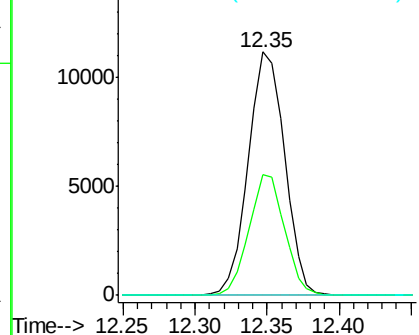
#71
Bromoform
Concen: 16.253 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW010792.D
Acq: 13 Jun 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW0613SBSD01

Tot Ion:173 Resp: 19508
Ion Ratio Lower Upper
173 100
175 48.5 24.3 72.8
254 0.0 0.1 0.1#

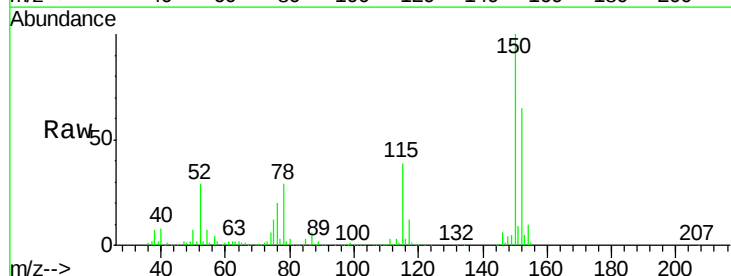


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

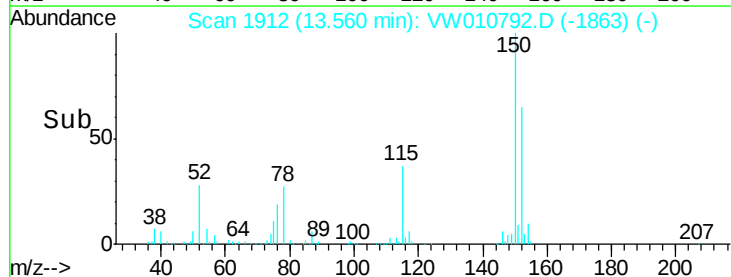
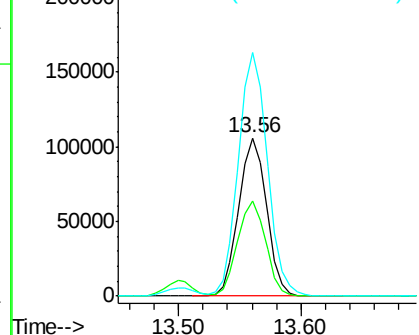


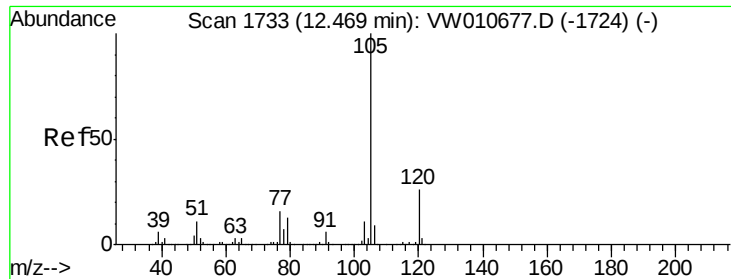
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW010792.D
Acq: 13 Jun 2019 12:42

Tgt Ion:152 Resp: 166519
Ion Ratio Lower Upper
152 100
115 60.7 29.8 89.3
150 160.6 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: 17.412 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010792.D

Acq: 13 Jun 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

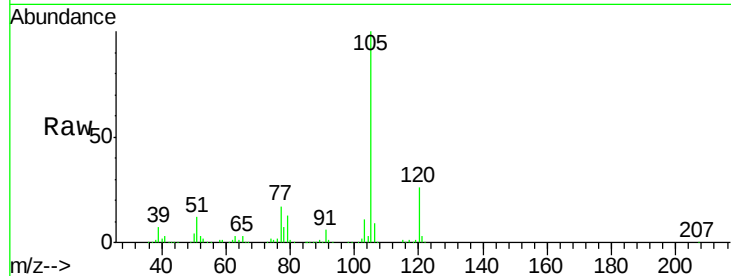
VW0613SBS01

Tot Ion:105 Resp: 217882

Ion Ratio Lower Upper

105 100

120 25.5 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

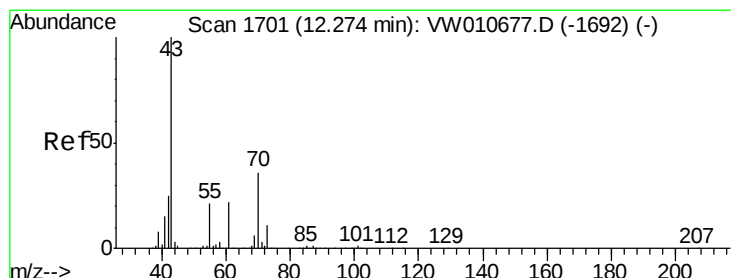
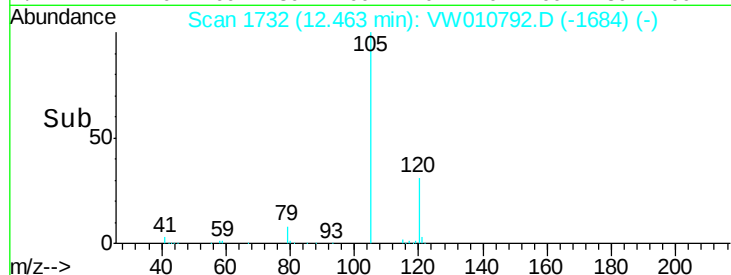
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 17.338 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010792.D

Acq: 13 Jun 2019 12:42

Tgt Ion: 43 Resp: 70117

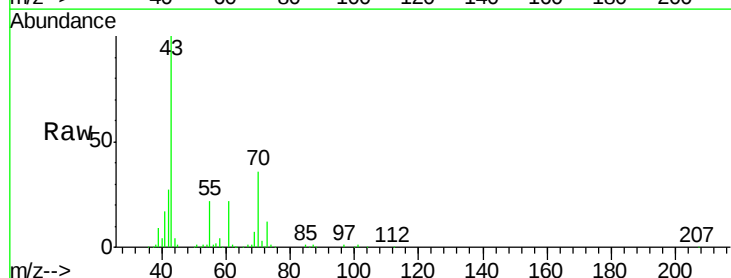
Ion Ratio Lower Upper

43 100

70 35.9 29.2 43.8

55 22.3 17.5 26.3

61 21.3 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

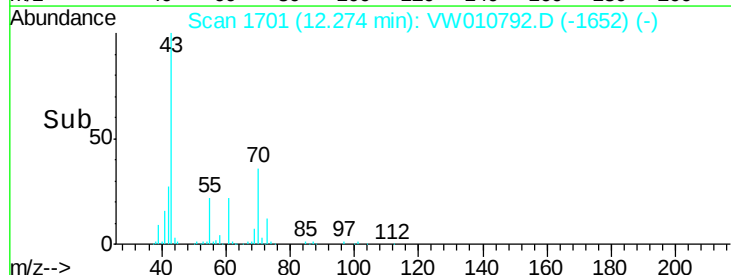
60000

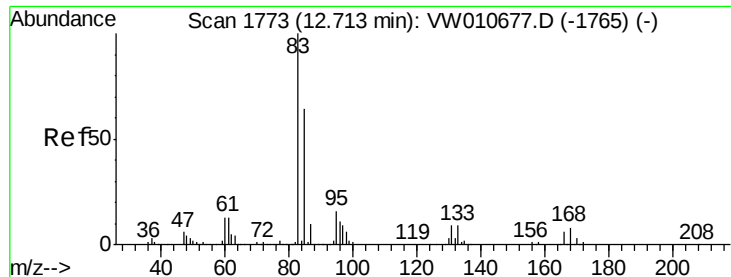
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 17.152 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010792.D

Acq: 13 Jun 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

VW0613SBS01

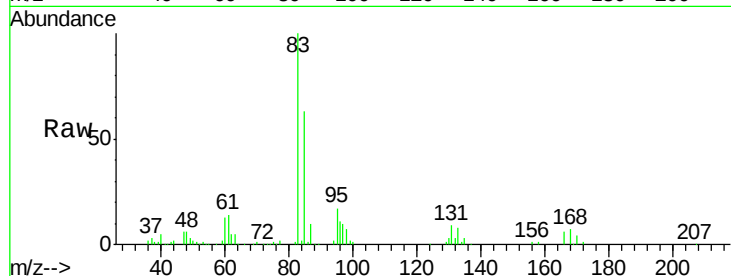
Tot Ion: 83 Resp: 40860

Ion Ratio Lower Upper

83 100

131 9.7 4.9 14.7

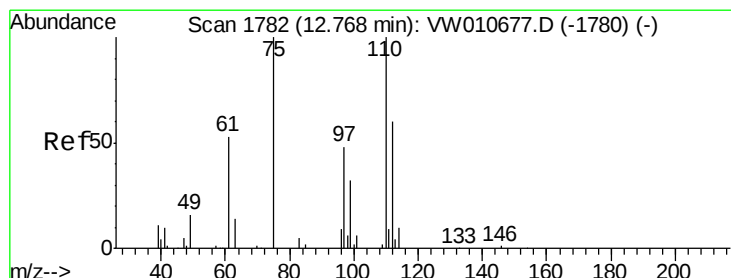
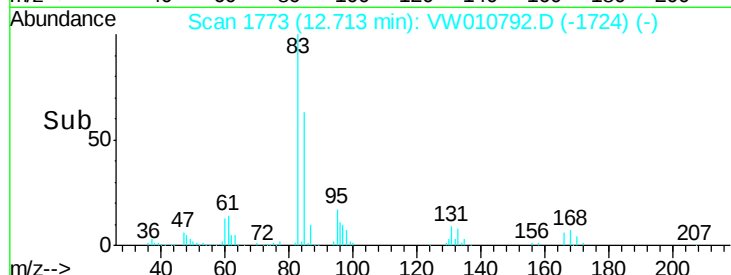
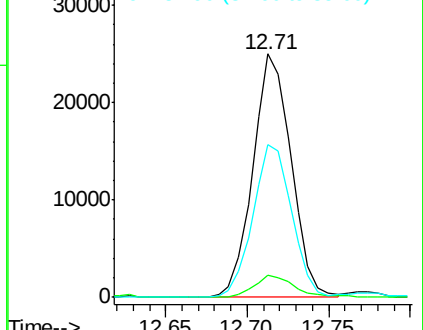
85 63.9 31.9 95.9



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: 17.112 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010792.D

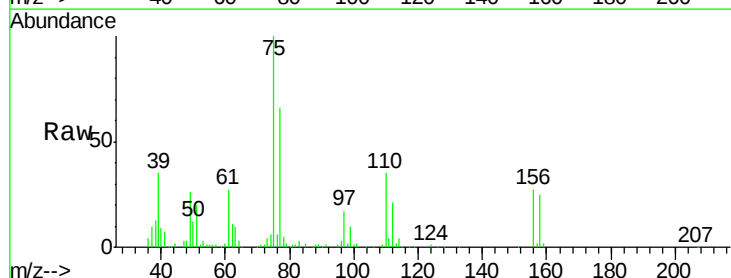
Acq: 13 Jun 2019 12:42

Tgt Ion: 75 Resp: 29923

Ion Ratio Lower Upper

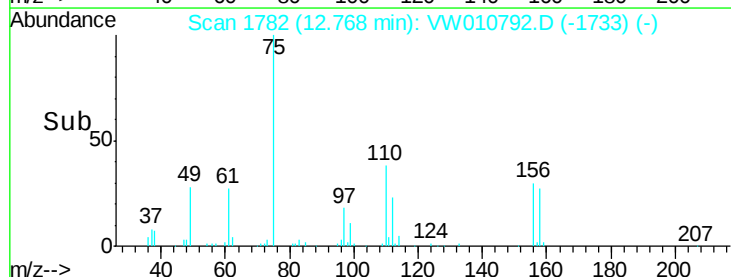
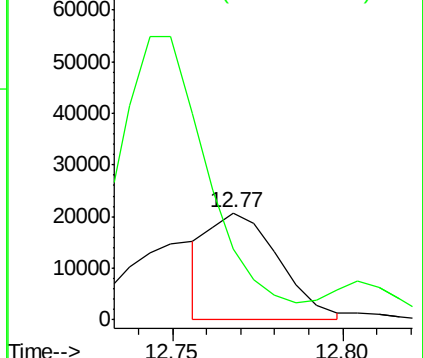
75 100

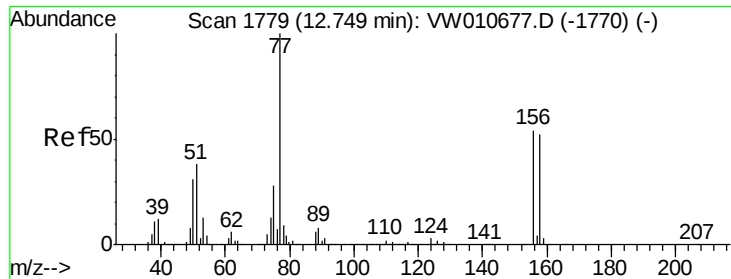
77 341.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

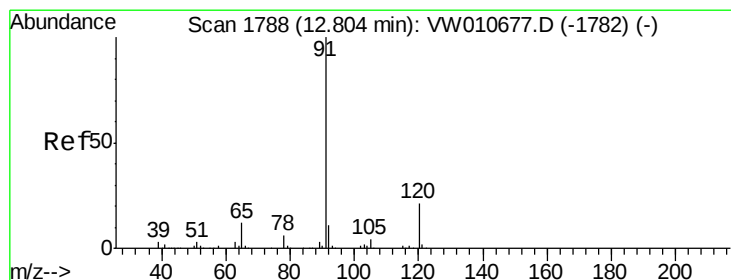
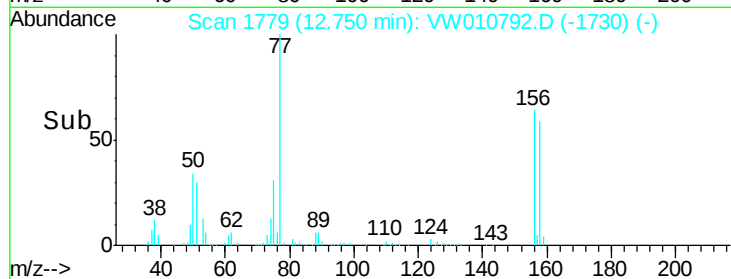
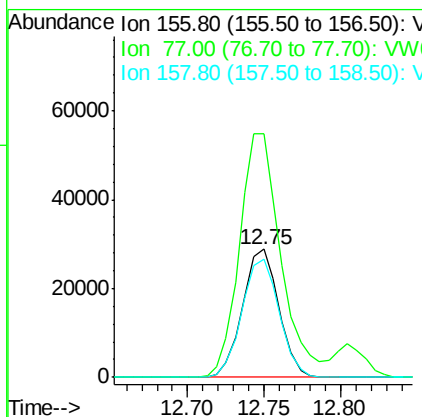
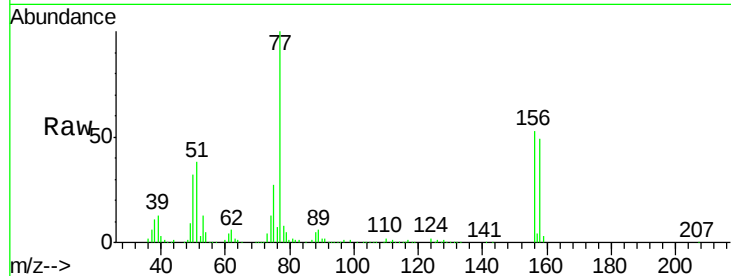




#77
Bromobenzene
Concen: 17.359 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW010792.D
Acq: 13 Jun 2019 12:42

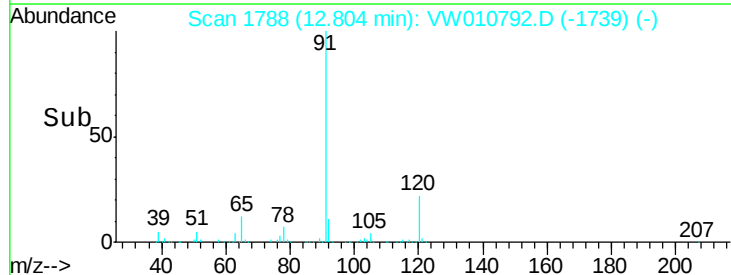
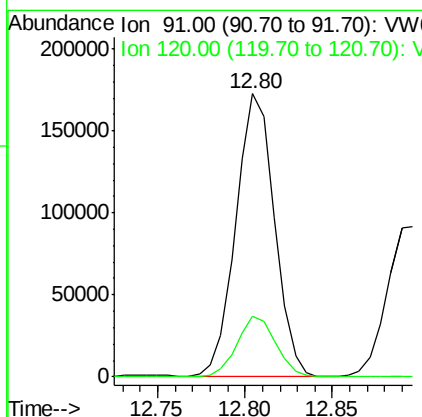
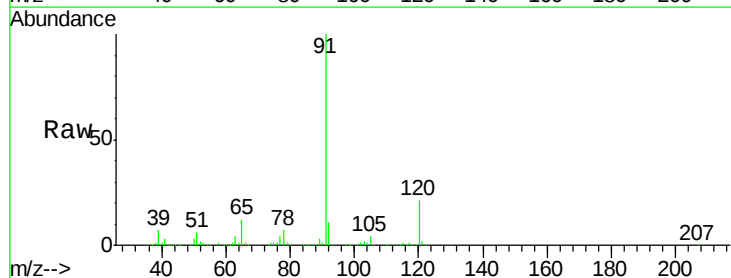
Instrument :
MSVOA_W
ClientSampleId :
VW0613SBSD01

Tot Ion:156 Resp: 47415
Ion Ratio Lower Upper
156 100
77 215.5 106.5 319.4
158 95.4 48.3 144.9



#78
n-propylbenzene
Concen: 17.553 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW010792.D
Acq: 13 Jun 2019 12:42

Tgt Ion: 91 Resp: 264853
Ion Ratio Lower Upper
91 100
120 21.5 10.8 32.4





#79

2-Chlorotoluene

Concen: 17.589 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW010792.D

Acq: 13 Jun 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

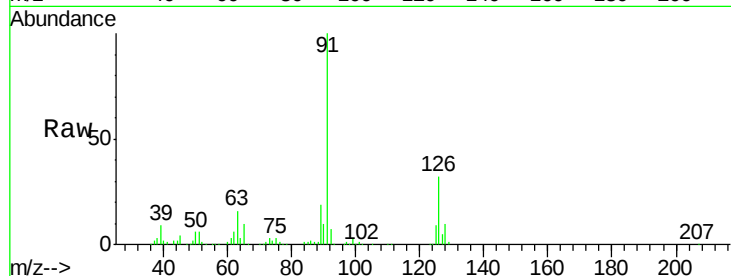
VW0613SBSD01

Tot Ion: 91 Resp: 151623

Ion Ratio Lower Upper

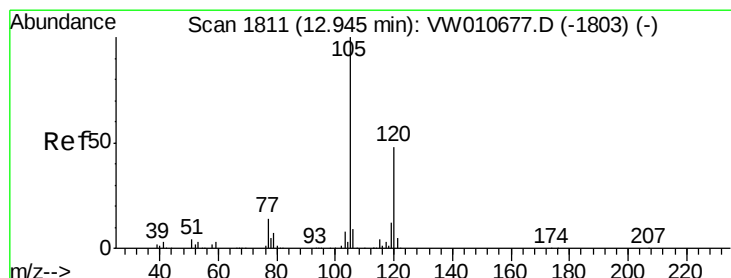
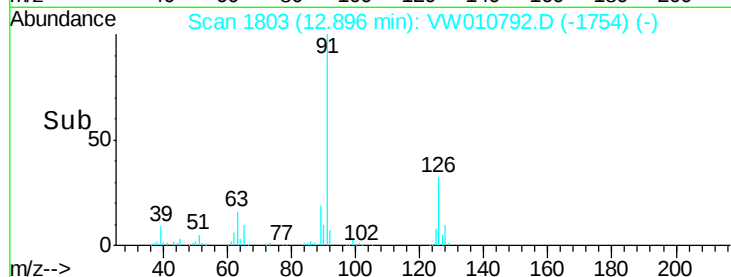
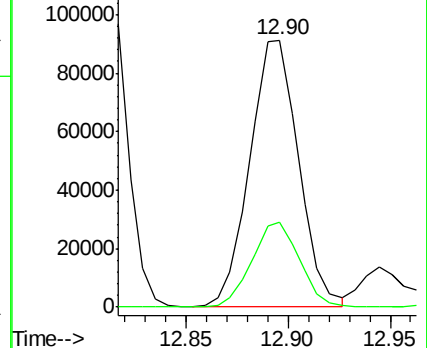
91 100

126 31.2 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: 17.389 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010792.D

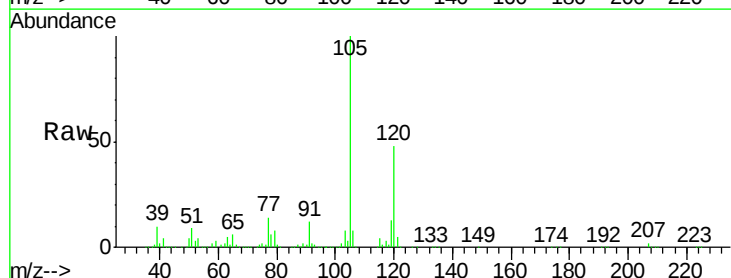
Acq: 13 Jun 2019 12:42

Tgt Ion:105 Resp: 178099

Ion Ratio Lower Upper

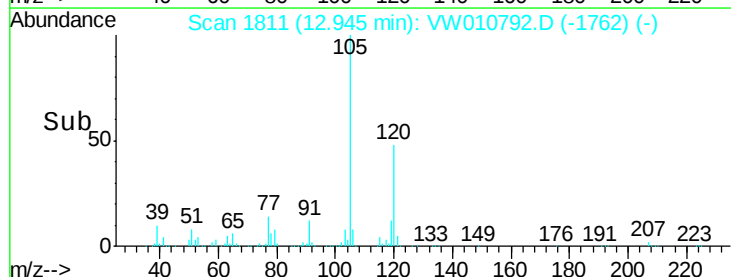
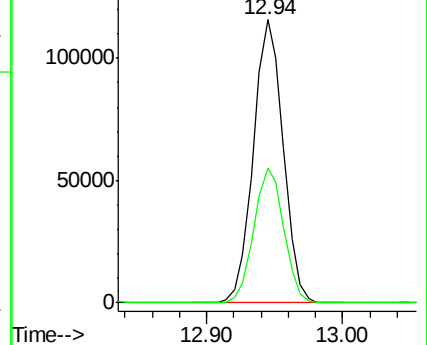
105 100

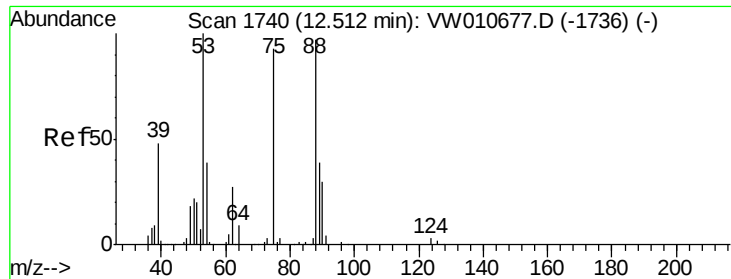
120 47.8 24.3 72.8



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: 15.638 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW010792.D

Acq: 13 Jun 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

VW0613SBS01

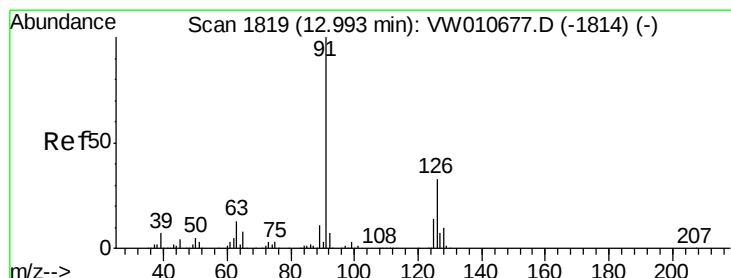
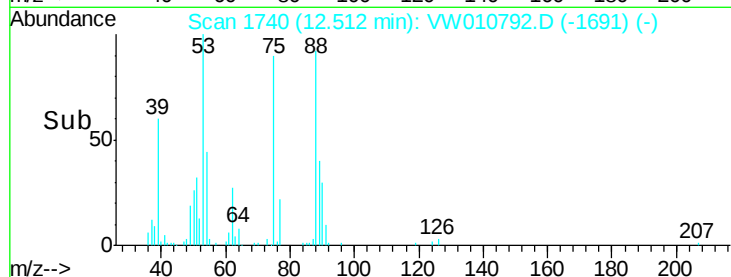
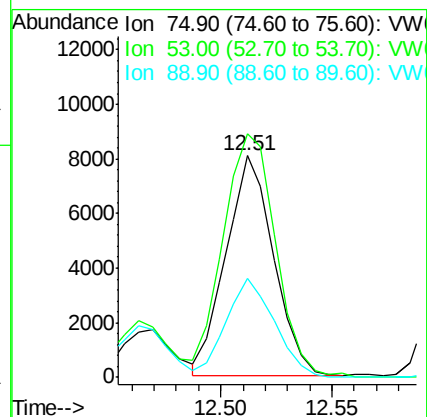
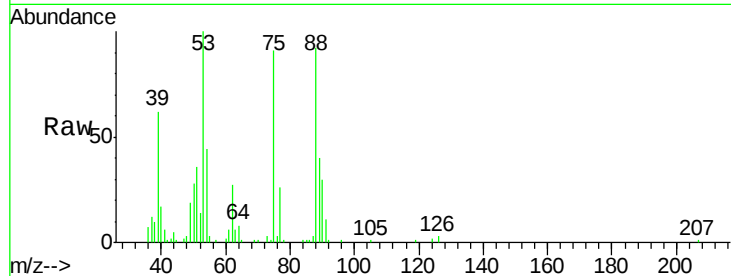
Tot Ion: 75 Resp: 11898

Ion Ratio Lower Upper

75 100

53 122.6 90.1 135.1

89 46.1 34.6 52.0



#82

4-Chlorotoluene

Concen: 17.637 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW010792.D

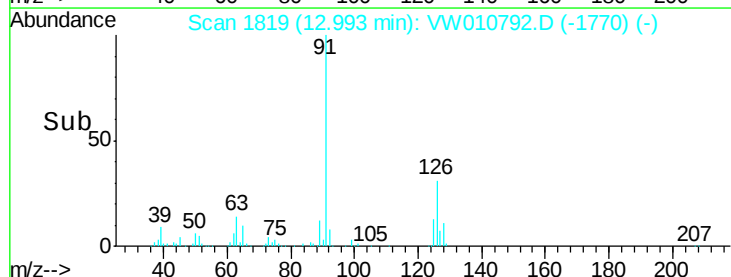
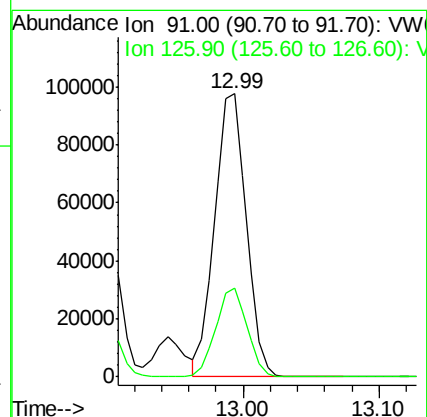
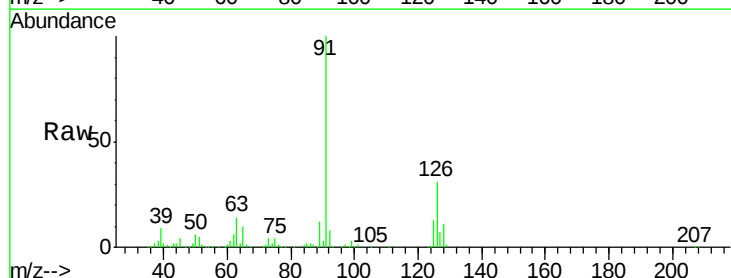
Acq: 13 Jun 2019 12:42

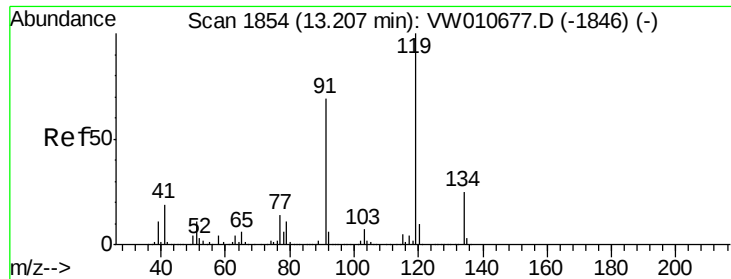
Tgt Ion: 91 Resp: 156892

Ion Ratio Lower Upper

91 100

126 31.3 15.9 47.7

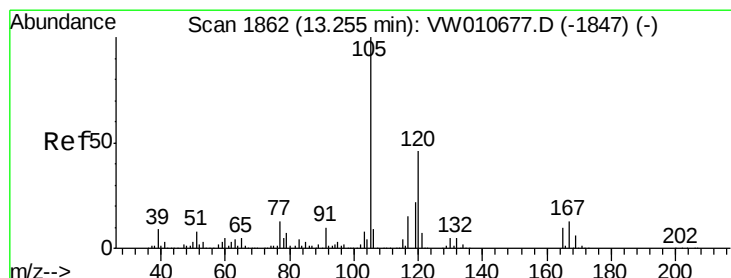
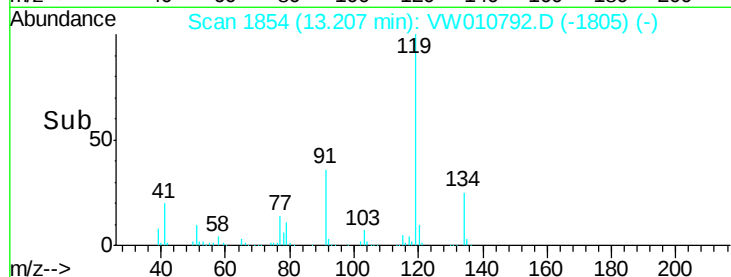
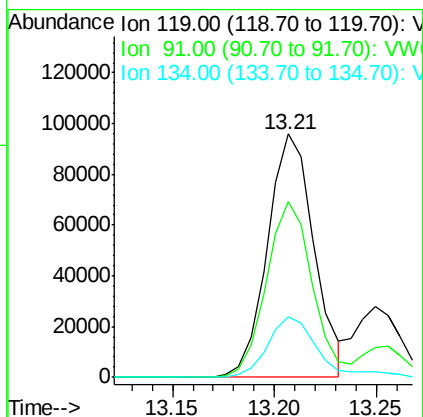
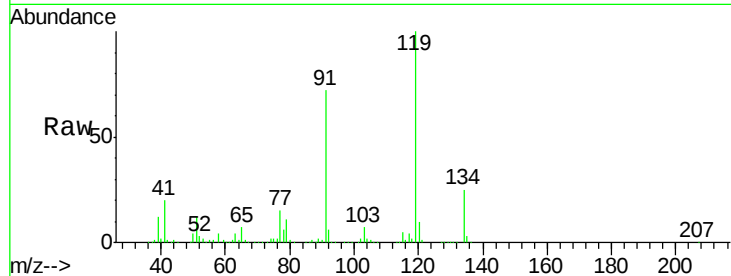




#83
tert-Butylbenzene
Concen: 17.530 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW010792.D
Acq: 13 Jun 2019 12:42

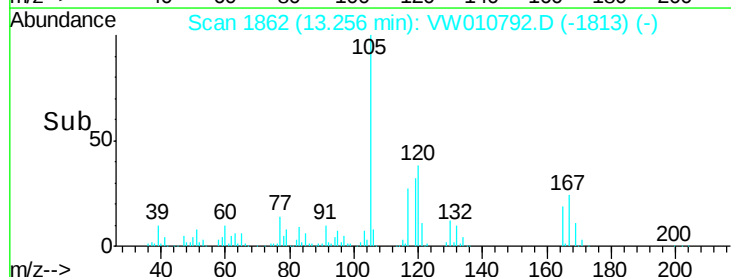
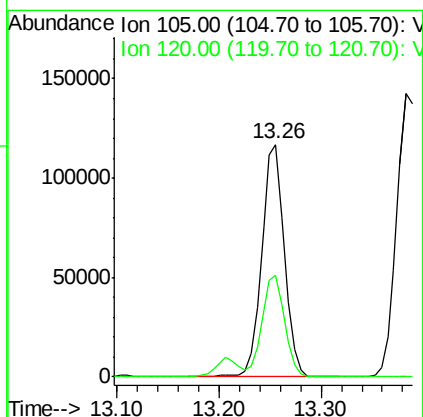
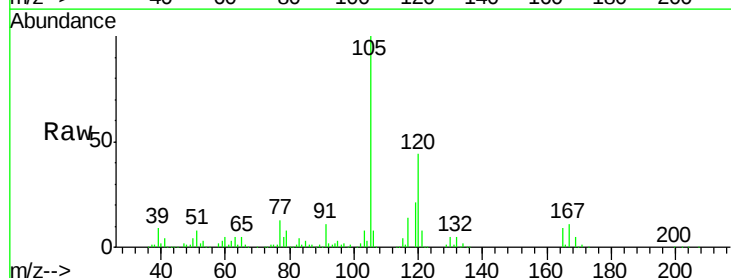
Instrument :
MSVOA_W
ClientSampleId :
VW0613SBS01

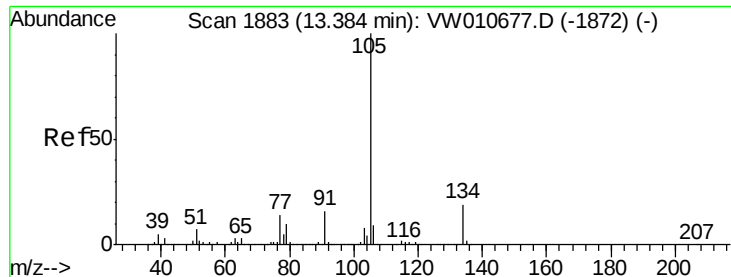
Tot Ion:119 Resp: 152379
Ion Ratio Lower Upper
119 100
91 71.8 35.1 105.3
134 27.1 13.6 40.7



#84
1,2,4-Trimethylbenzene
Concen: 17.526 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW010792.D
Acq: 13 Jun 2019 12:42

Tgt Ion:105 Resp: 180638
Ion Ratio Lower Upper
105 100
120 43.7 22.5 67.5





#85

sec-Butylbenzene

Concen: 17.729 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW010792.D

Acq: 13 Jun 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

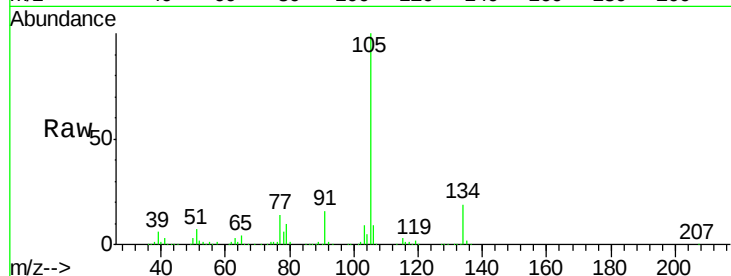
VW0613SBSD01

Tot Ion:105 Resp: 224371

Ion Ratio Lower Upper

105 100

134 19.3 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

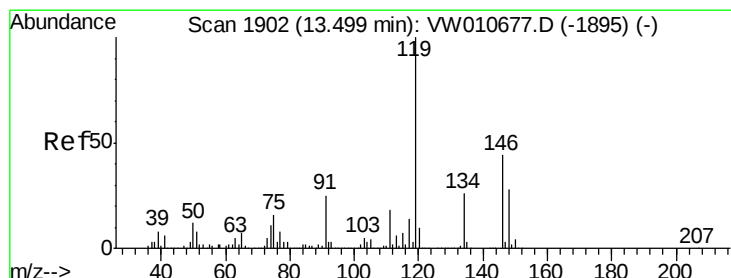
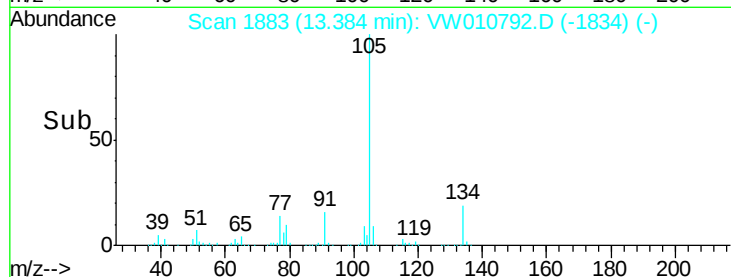
150000

100000

50000

0

Time--> 13.30 13.40



#86

p-Isopropyltoluene

Concen: 17.590 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010792.D

Acq: 13 Jun 2019 12:42

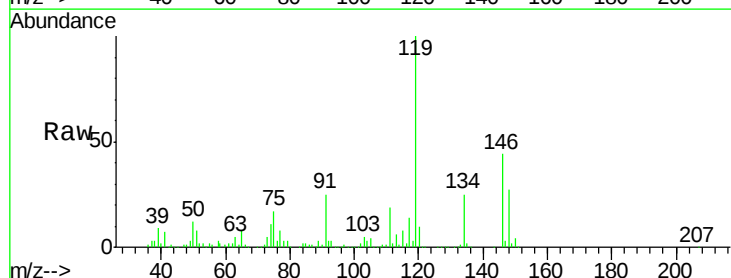
Tgt Ion:119 Resp: 199075

Ion Ratio Lower Upper

119 100

134 25.4 13.0 39.0

91 25.0 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

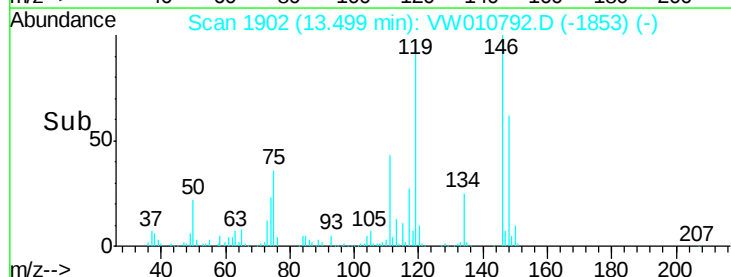
150000

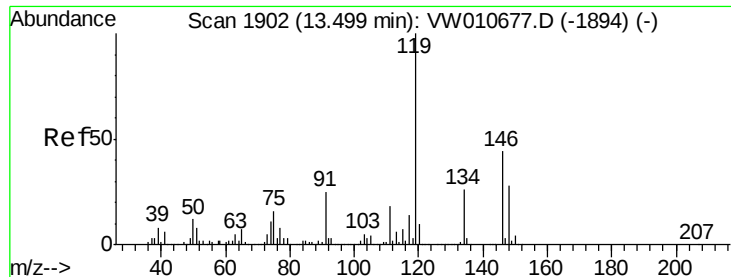
100000

50000

0

Time--> 13.45 13.50 13.55

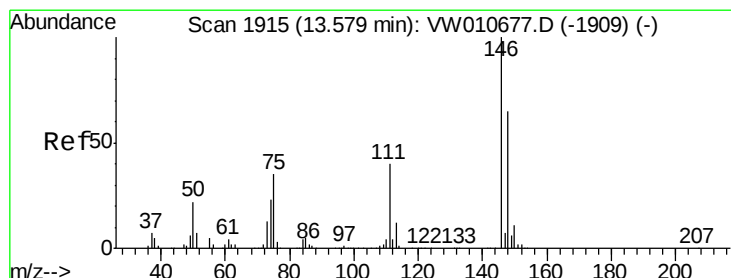
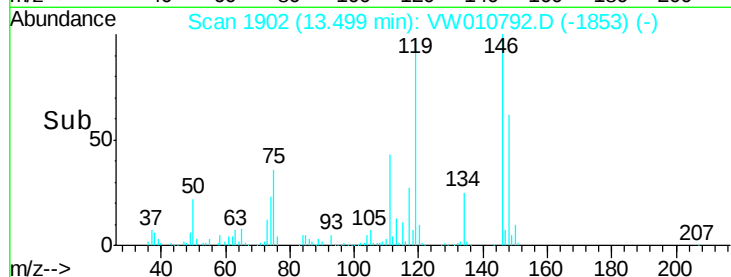
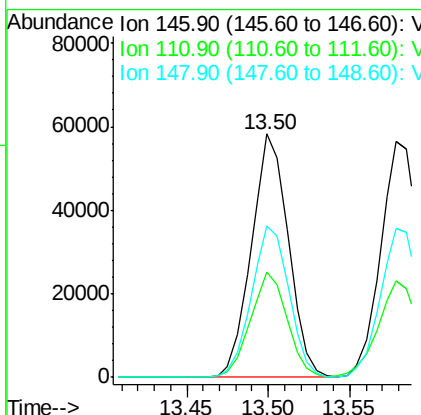
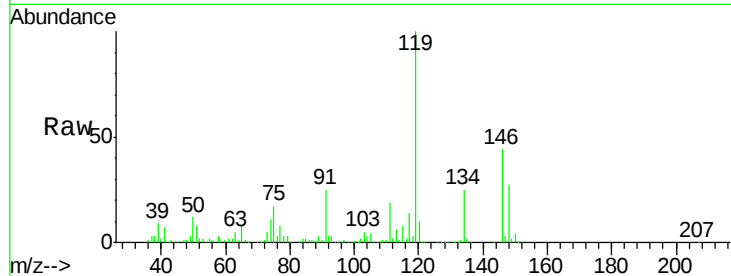




#87
 1,3-Dichlorobenzene
 Concen: 17.481 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010792.D
 Acq: 13 Jun 2019 12:42

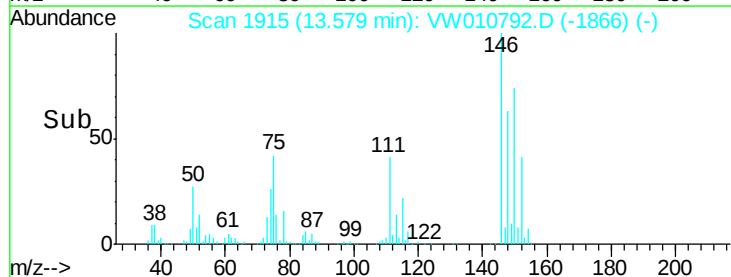
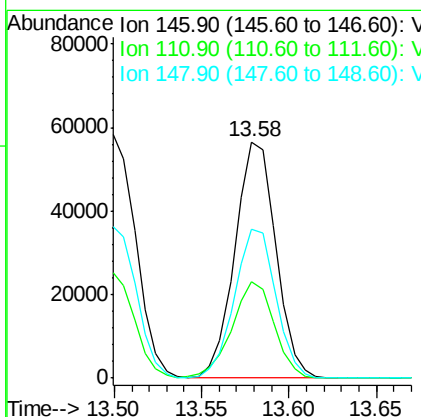
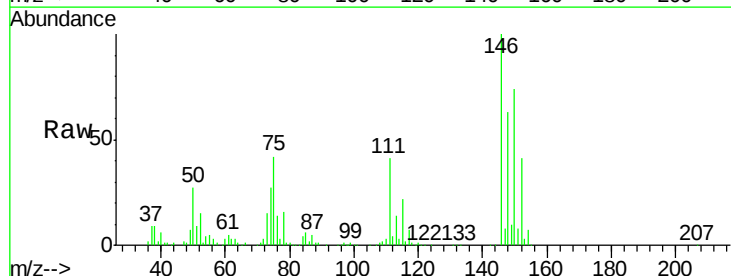
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0613SBSD01

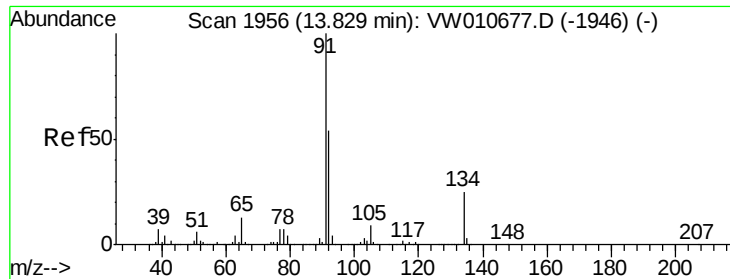
Tot Ion:146 Resp: 92083
 Ion Ratio Lower Upper
 146 100
 111 42.5 20.4 61.3
 148 63.2 31.5 94.5



#88
 1,4-Dichlorobenzene
 Concen: 17.627 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010792.D
 Acq: 13 Jun 2019 12:42

Tgt Ion:146 Resp: 92049
 Ion Ratio Lower Upper
 146 100
 111 42.3 20.3 60.9
 148 63.8 32.4 97.2





#89

n-Butylbenzene

Concen: 18.162 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW010792.D

Acq: 13 Jun 2019 12:42

Instrument :

MSVOA_W

ClientSampled :

VW0613SBS01

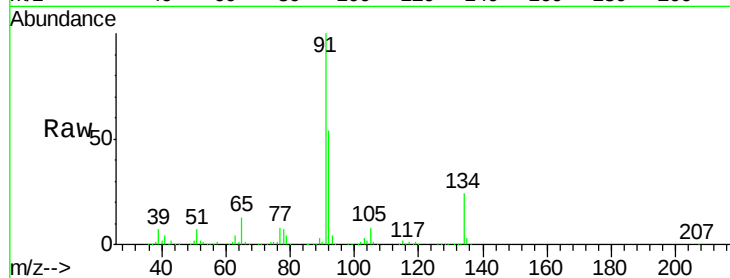
Tot Ion: 91 Resp: 205090

Ion Ratio Lower Upper

91 100

92 53.9 27.3 81.8

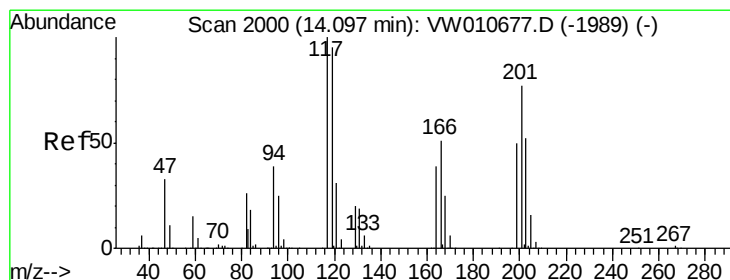
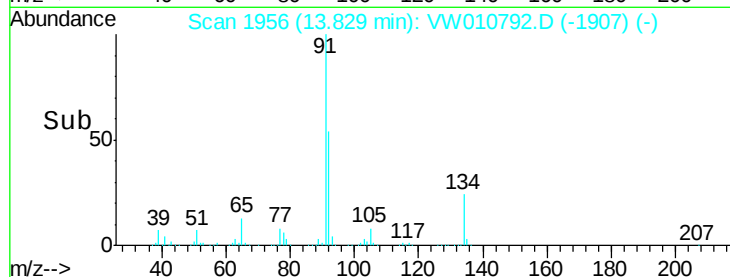
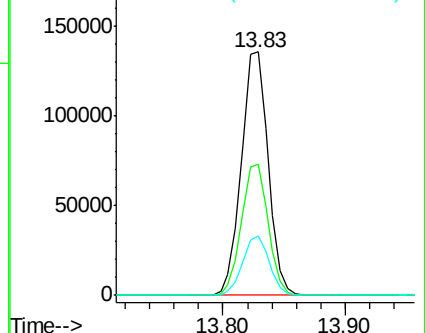
134 24.2 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 17.492 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW010792.D

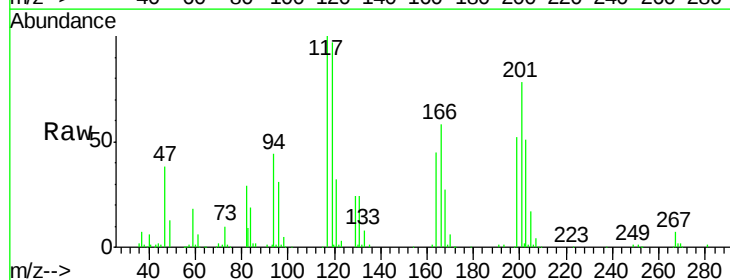
Acq: 13 Jun 2019 12:42

Tgt Ion: 117 Resp: 35452

Ion Ratio Lower Upper

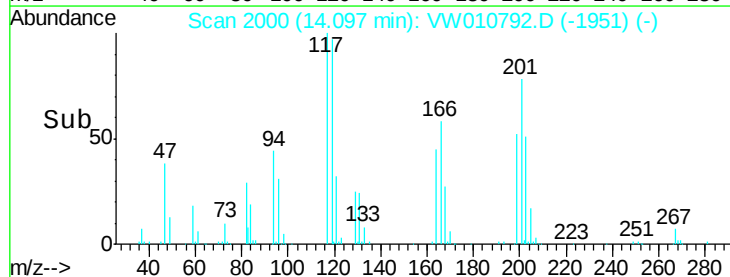
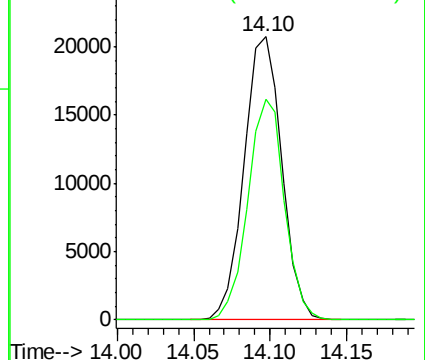
117 100

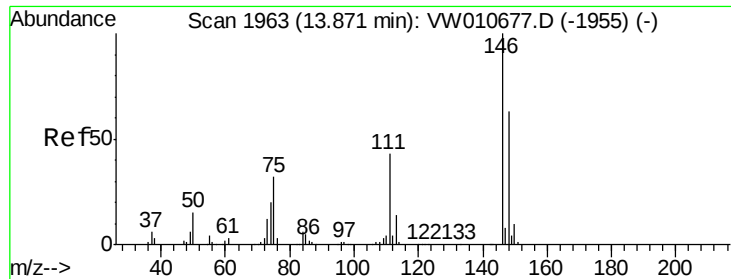
201 75.6 38.8 116.4



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 17.345 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW010792.D

Acq: 13 Jun 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

VW0613SBSD01

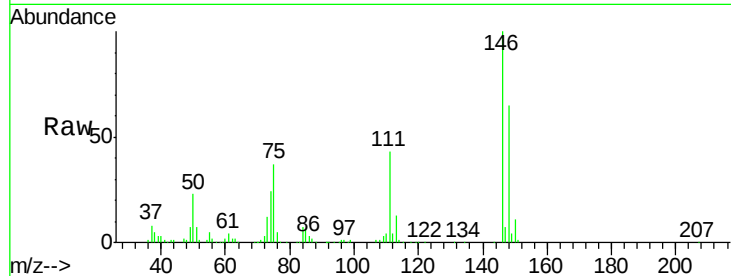
Tot Ion:146 Resp: 82163

Ion Ratio Lower Upper

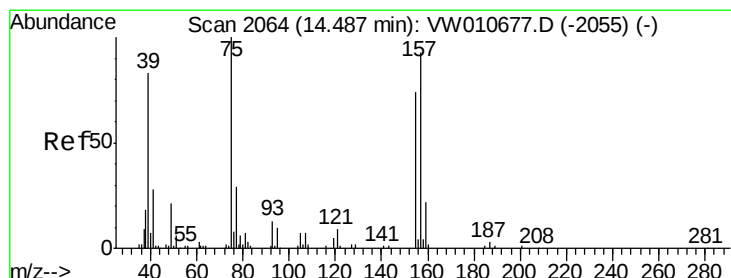
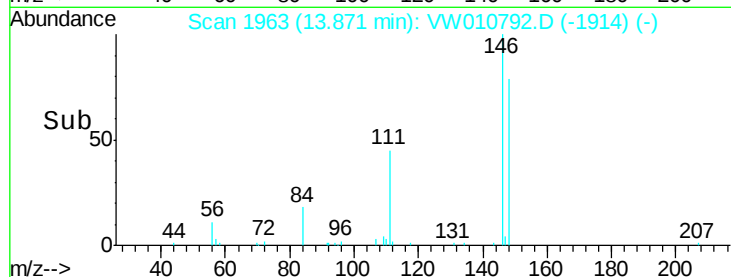
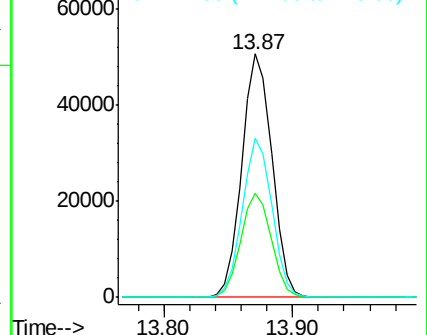
146 100

111 43.1 21.5 64.5

148 64.3 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: 17.344 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW010792.D

Acq: 13 Jun 2019 12:42

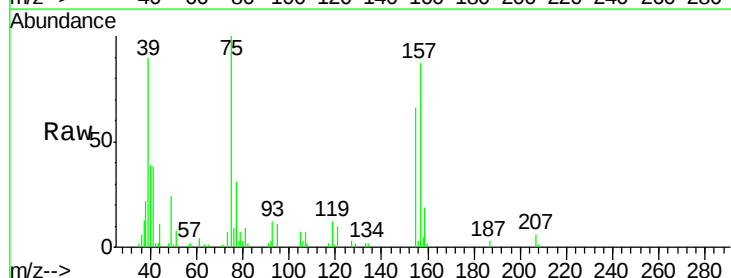
Tgt Ion: 75 Resp: 7095

Ion Ratio Lower Upper

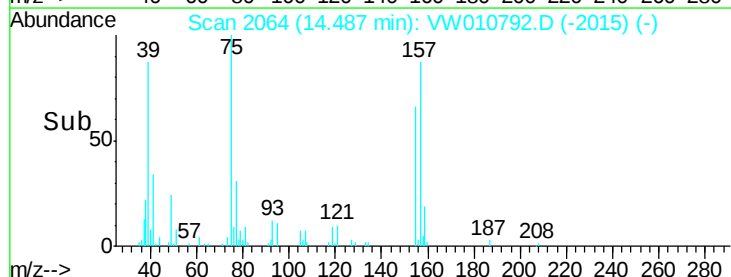
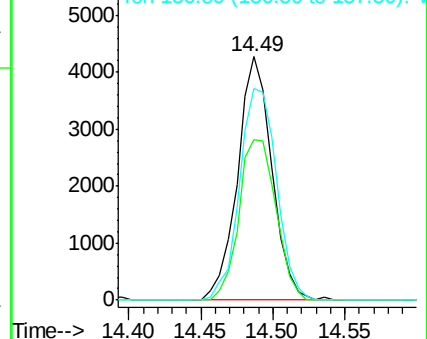
75 100

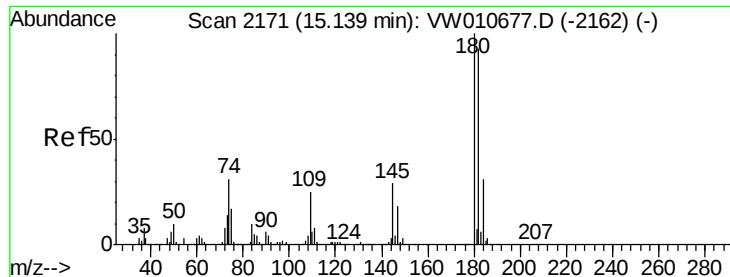
155 70.8 38.8 116.4

157 93.7 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

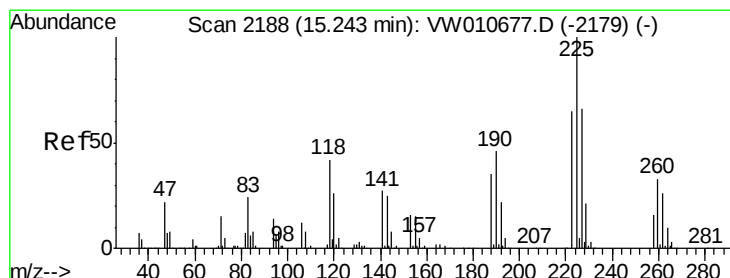
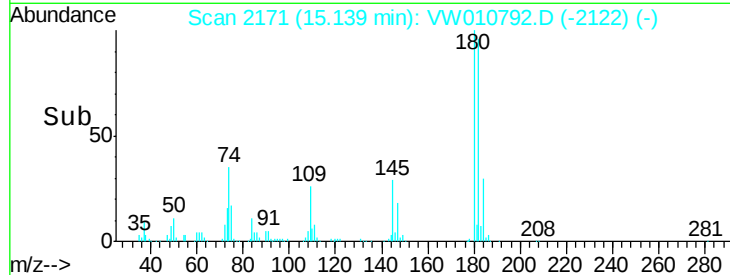
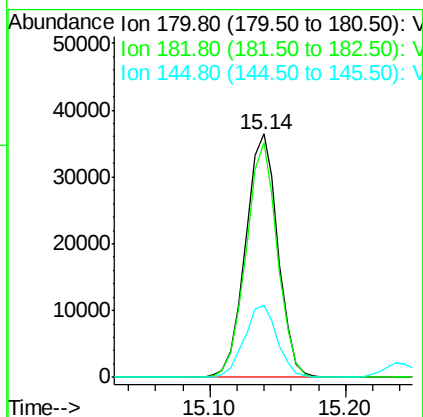
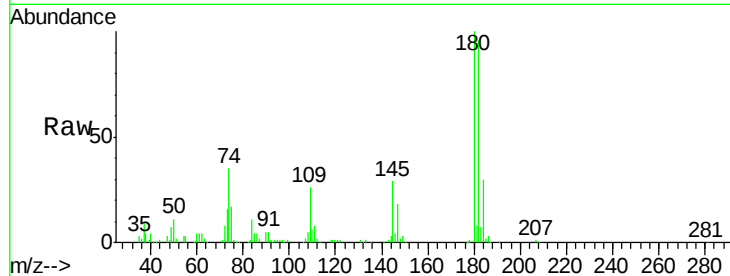




#93
 1,2,4-Trichlorobenzene
 Concen: 18.209 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010792.D
 Acq: 13 Jun 2019 12:42

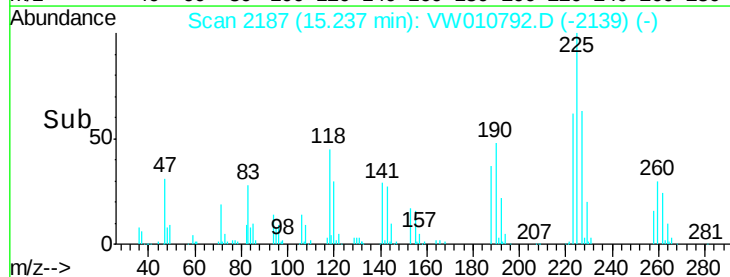
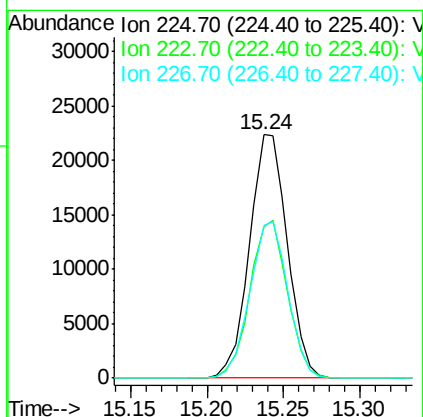
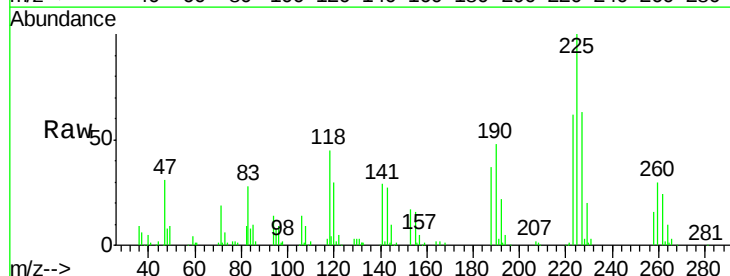
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0613SBSD01

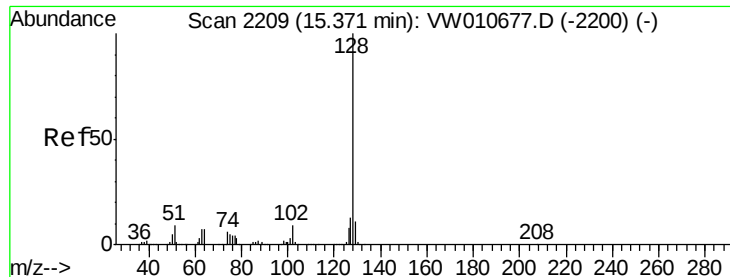
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.1	141.4
145	30.1	15.2	45.5



#94
 Hexachlorobutadiene
 Concen: 18.429 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010792.D
 Acq: 13 Jun 2019 12:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	32.2	96.6
227	64.7	32.0	96.0

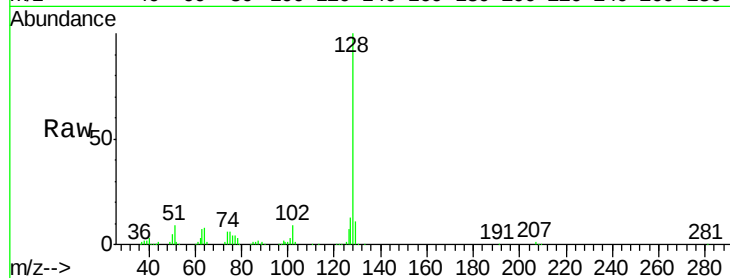




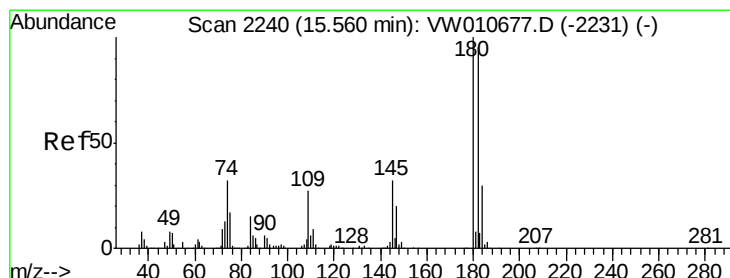
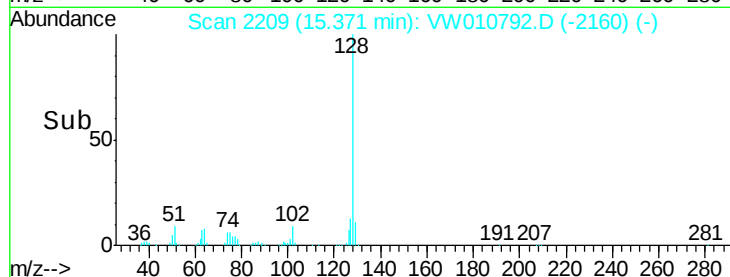
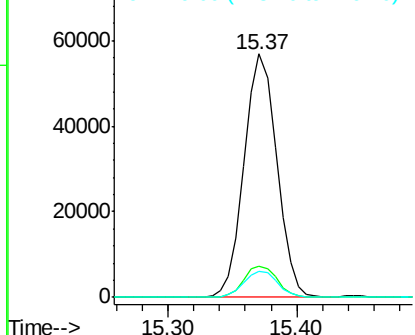
#95
Naphthalene
Concen: 16.551 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010792.D
Acq: 13 Jun 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW0613SBSD01

Tot Ion:128 Resp: 99964
Ion Ratio Lower Upper
128 100
127 12.9 10.6 15.8
129 11.0 8.6 13.0

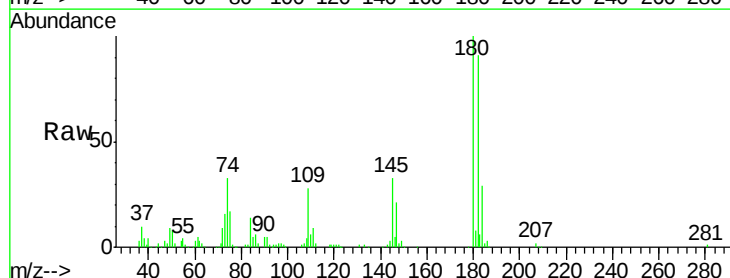


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 18.239 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW010792.D
Acq: 13 Jun 2019 12:42

Tgt Ion:180 Resp: 51563
Ion Ratio Lower Upper
180 100
182 94.4 47.0 141.0
145 33.6 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

