

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW053019\
 Data File : VW010608.D
 Acq On : 30 May 2019 11:56
 Operator : SY/VA
 Sample : VW0530SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0530SBS01

Quant Time: May 31 07:42:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	129834	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	217629	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	193103	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	93364	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	66505	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
35) Dibromofluoromethane	7.88	113	68823	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
50) Toluene-d8	10.32	98	271173	53.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.50%	
62) 4-Bromofluorobenzene	12.62	95	103992	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	18716	15.991	ug/l	94
3) Chloromethane	2.21	50	20931	15.344	ug/l	99
4) Vinyl Chloride	2.36	62	23668	14.979	ug/l	98
5) Bromomethane	2.76	94	22091	20.322	ug/l	96
6) Chloroethane	2.91	64	17329	17.084	ug/l	97
7) Trichlorofluoromethane	3.25	101	48569	20.820	ug/l	97
8) Diethyl Ether	3.68	74	13927	18.833	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	30745	21.401	ug/l	99
10) Methyl Iodide	4.27	142	22797	13.883	ug/l	98
11) Tert butyl alcohol	5.18	59	10412	86.377	ug/l #	85
12) 1,1-Dichloroethene	4.03	96	27511	20.061	ug/l	95
13) Acrolein	3.90	56	5615	63.278	ug/l	99
14) Allyl chloride	4.67	41	37772	19.028	ug/l	98
15) Acrylonitrile	5.38	53	26092	84.250	ug/l	97
16) Acetone	4.13	43	24074	88.007	ug/l	100
17) Carbon Disulfide	4.37	76	70356	17.200	ug/l	98
18) Methyl Acetate	4.68	43	12447	18.605	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	65063	18.610	ug/l	98
20) Methylene Chloride	4.91	84	28993	14.459	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	32401	20.598	ug/l	95
22) Diisopropyl ether	6.31	45	80004	19.655	ug/l	95
23) Vinyl Acetate	6.26	43	214060	88.040	ug/l	100
24) 1,1-Dichloroethane	6.21	63	50954	20.977	ug/l	98
25) 2-Butanone	7.17	43	33644	85.943	ug/l	97
26) 2,2-Dichloropropane	7.17	77	49943	21.585	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	35924	21.006	ug/l	99
28) Bromochloromethane	7.51	49	19137	22.005	ug/l	94
29) Tetrahydrofuran	7.53	42	20491	77.354	ug/l	99
30) Chloroform	7.68	83	55485	21.177	ug/l	99
31) Cyclohexane	7.95	56	49764	19.559	ug/l #	96
32) 1,1,1-Trichloroethane	7.87	97	52326	20.896	ug/l	97
36) 1,1-Dichloropropene	8.08	75	44158	21.781	ug/l	99
37) Ethyl Acetate	7.25	43	15856	18.392	ug/l	99
38) Carbon Tetrachloride	8.07	117	47769	21.843	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	57168	21.048	ug/l	99
40) Benzene	8.32	78	122974	21.824	ug/l	98
41) Methacrylonitrile	7.48	41	6977	13.620	ug/l #	84
42) 1,2-Dichloroethane	8.40	62	33584	20.853	ug/l	100
43) Isopropyl Acetate	8.42	43	29313	17.020	ug/l	96
44) Trichloroethene	9.09	130	37387	22.349	ug/l	97
45) 1,2-Dichloropropane	9.37	63	28344	21.180	ug/l	97
46) Dibromomethane	9.46	93	16002	20.446	ug/l	97
47) Bromodichloromethane	9.64	83	40422	20.553	ug/l	98
48) Methyl methacrylate	9.44	41	13154	16.694	ug/l	94
49) 1,4-Dioxane	9.45	88	3544	277.201	ug/l #	78
51) 4-Methyl-2-Pentanone	10.21	43	74993	85.929	ug/l	99
52) Toluene	10.39	92	83854	22.159	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	38109	19.132	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	46536	20.457	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	23476	20.859	ug/l	100
56) Ethyl methacrylate	10.65	69	27714	17.855	ug/l	99
57) 1,3-Dichloropropane	10.93	76	38608	20.479	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	67749	98.543	ug/l	98
59) 2-Hexanone	10.97	43	50770	81.550	ug/l	98
60) Dibromochloromethane	11.13	129	28531	20.031	ug/l	100
61) 1,2-Dibromoethane	11.24	107	23181	20.333	ug/l	99
64) Tetrachloroethene	10.87	164	30388	22.575	ug/l	93
65) Chlorobenzene	11.66	112	91856	22.320	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	32364	21.953	ug/l	99
67) Ethyl Benzene	11.73	91	160767	22.126	ug/l	100
68) m/p-Xylenes	11.84	106	126119	44.253	ug/l	99
69) o-Xylene	12.16	106	58752	21.758	ug/l	100
70) Styrene	12.18	104	98700	21.543	ug/l	99
71) Bromoform	12.35	173	14922	18.380	ug/l #	98
73) Isopropylbenzene	12.46	105	163332	22.046	ug/l	100
74) N-amyl acetate	12.27	43	27184	16.012	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	25049	18.588	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	31477	33.214	ug/l	38
77) Bromobenzene	12.75	156	37833	22.819	ug/l	95
78) n-propylbenzene	12.80	91	187688	21.738	ug/l	100
79) 2-Chlorotoluene	12.90	91	107951	21.560	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	135622	21.614	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	7152	15.750	ug/l	93
82) 4-Chlorotoluene	12.99	91	113851	21.907	ug/l	99
83) tert-Butylbenzene	13.21	119	118974	21.707	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	135425	21.670	ug/l	100
85) sec-Butylbenzene	13.38	105	165716	21.605	ug/l	100
86) p-Isopropyltoluene	13.50	119	150733	21.711	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	72169	22.187	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	71884	22.026	ug/l	98
89) n-Butylbenzene	13.83	91	138660	20.997	ug/l	99
90) Hexachloroethane	14.10	117	27817	20.700	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	64076	21.620	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3996	15.948	ug/l	98

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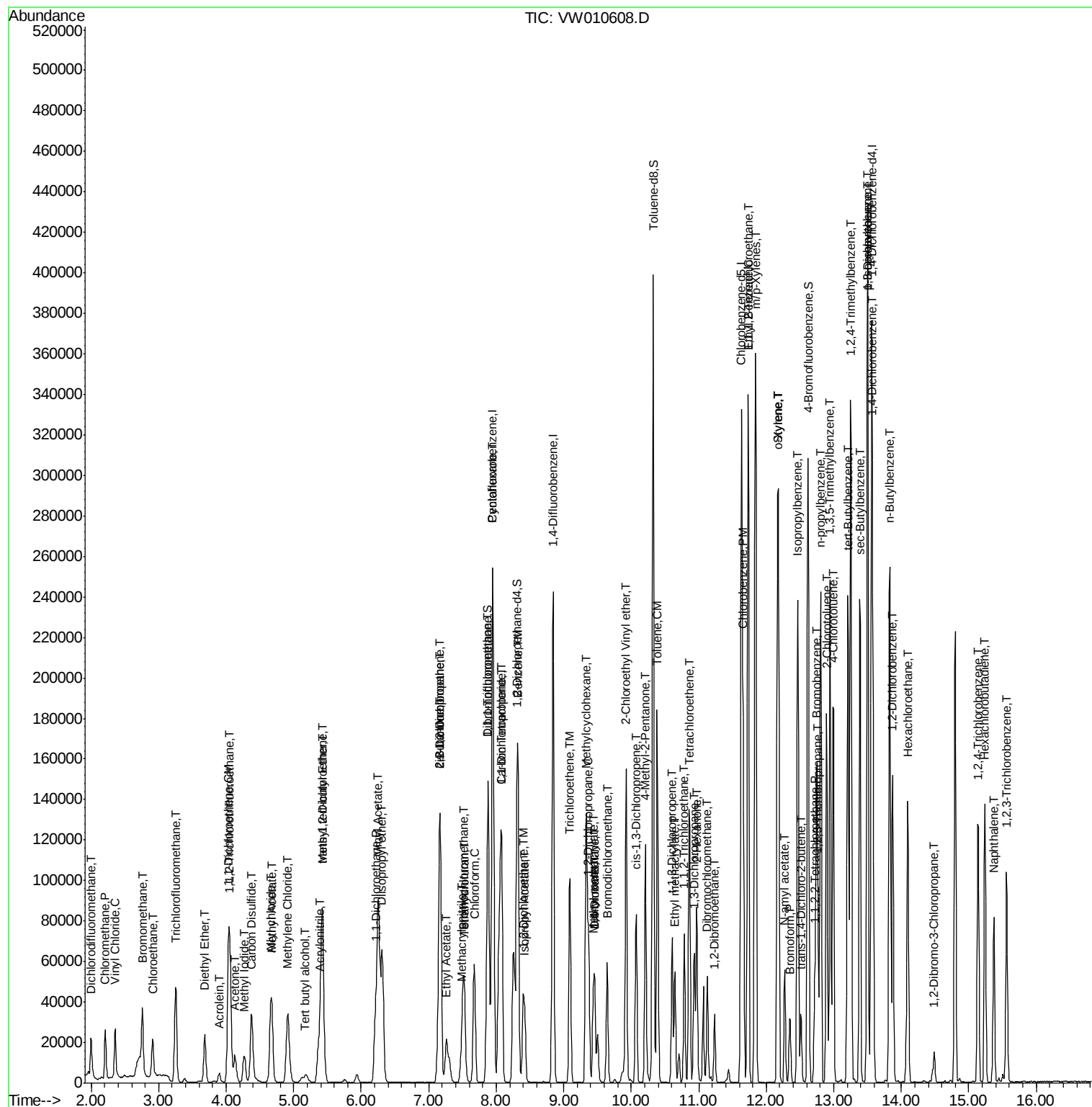
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	41320	20.491	ug/l	99
94) Hexachlorobutadiene	15.24	225	23987	22.266	ug/l	99
95) Naphthalene	15.37	128	72288	17.077	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	35198	20.285	ug/l	99

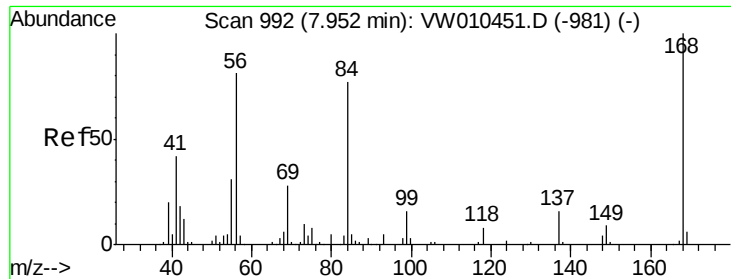
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

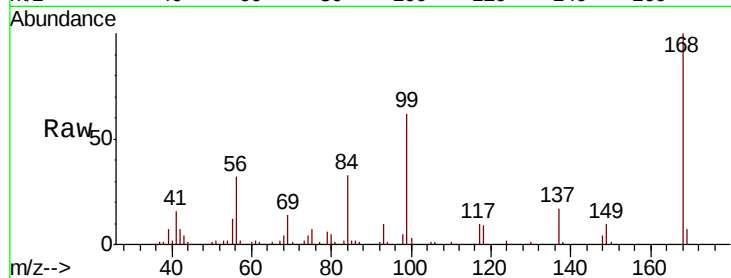
VW0530SBS01

Tot Ion:168 Resp: 129834

Ion Ratio Lower Upper

168 100

99 62.3 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

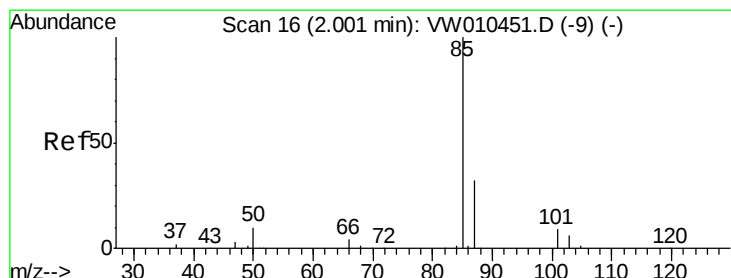
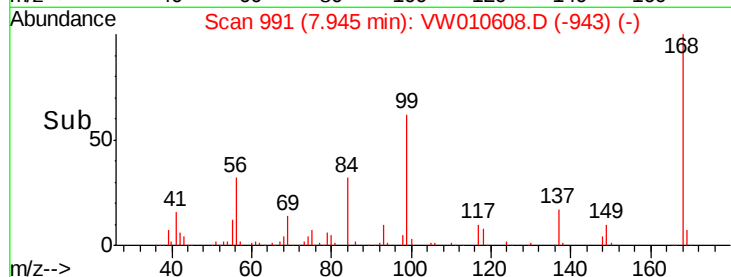
40000

20000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 15.991 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010608.D

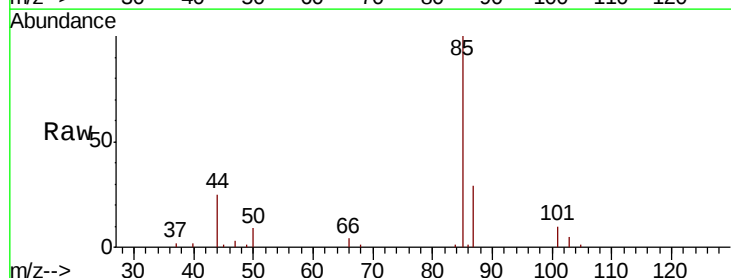
Acq: 30 May 2019 11:56

Tgt Ion: 85 Resp: 18716

Ion Ratio Lower Upper

85 100

87 29.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

12000

10000

8000

6000

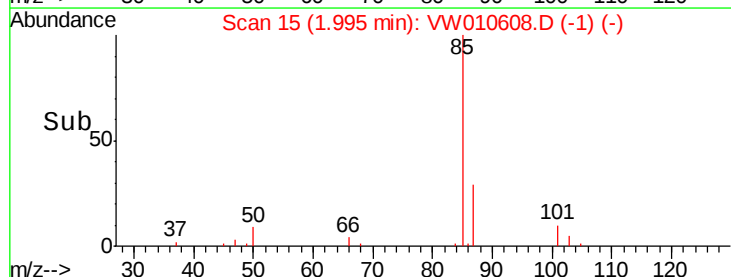
4000

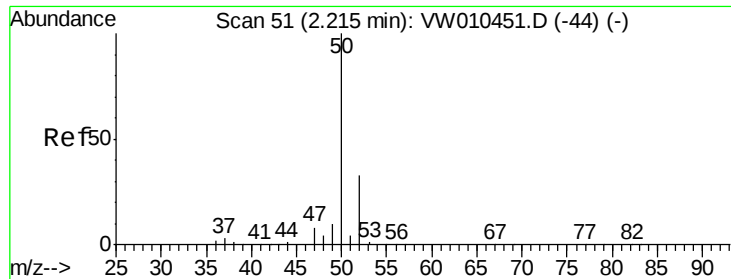
2000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 15.344 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

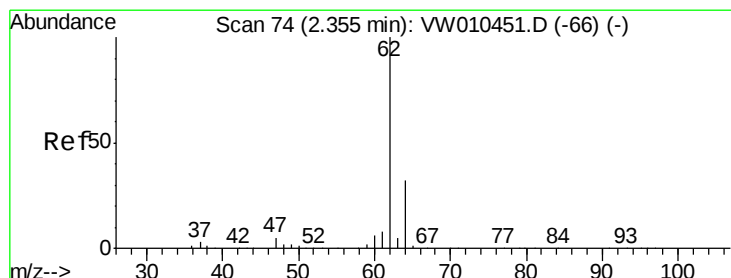
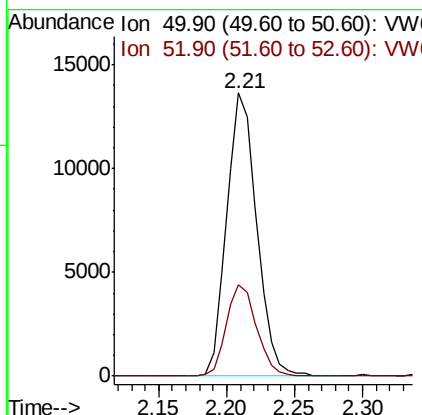
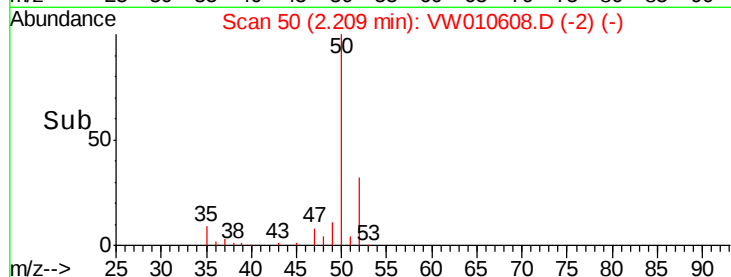
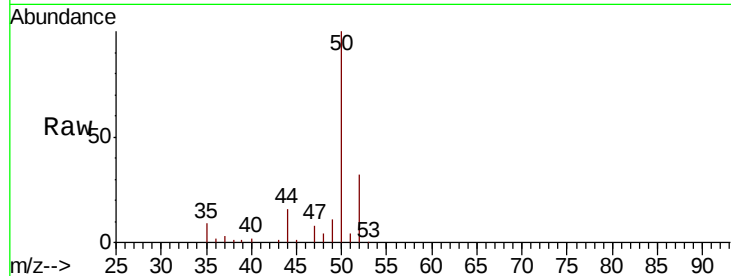
VW0530SBS01

Tot Ion: 50 Resp: 20931

Ion Ratio Lower Upper

50 100

52 32.4 26.3 39.5



#4

Vinyl Chloride

Concen: 14.979 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010608.D

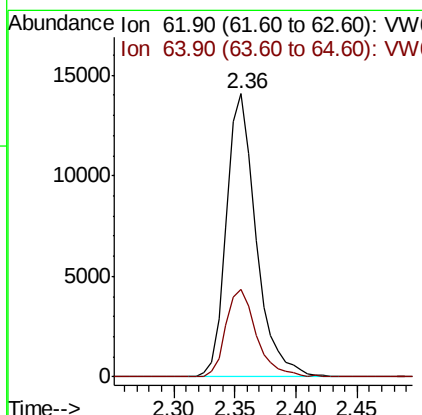
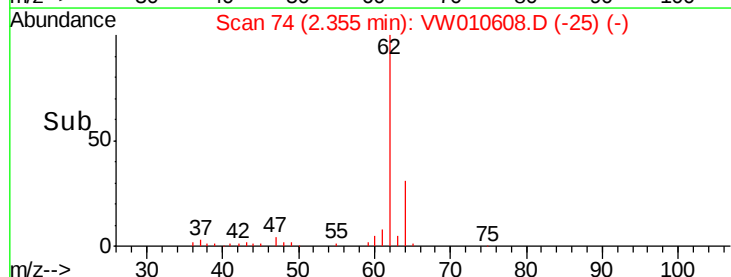
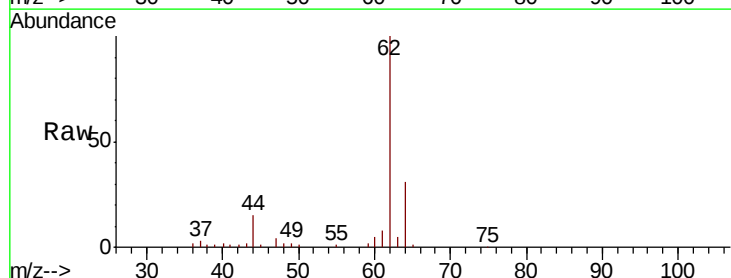
Acq: 30 May 2019 11:56

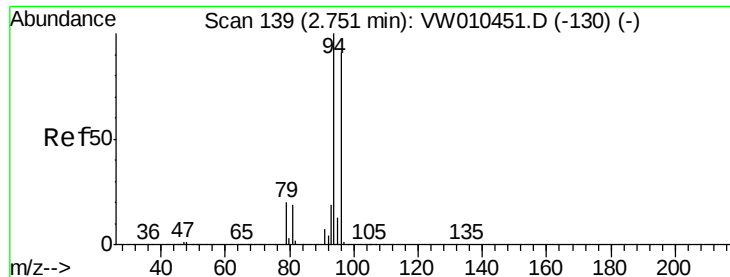
Tgt Ion: 62 Resp: 23668

Ion Ratio Lower Upper

62 100

64 30.9 25.8 38.8





#5

Bromomethane

Concen: 20.322 ug/l

RT: 2.76 min Scan# 140

Delta R.T. 0.01 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Instrument :

MSVOA_W

ClientSampled :

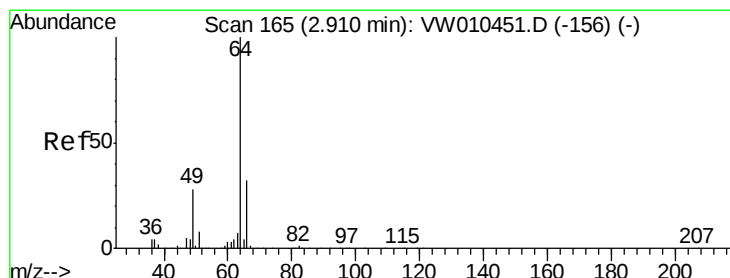
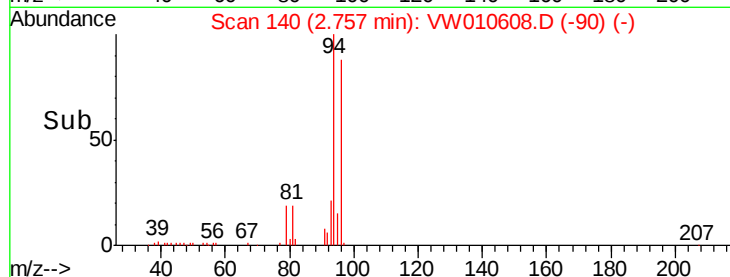
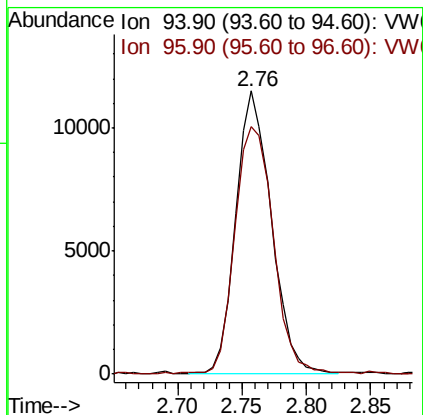
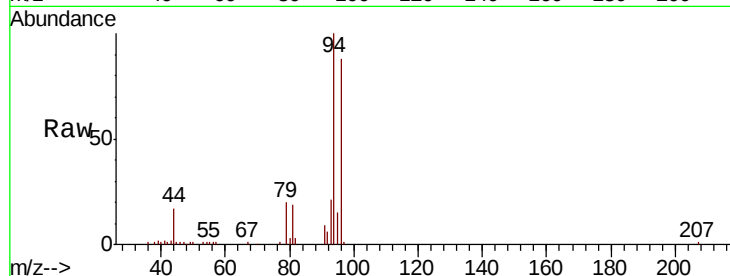
VW0530SBS01

Tot Ion: 94 Resp: 22091

Ion Ratio Lower Upper

94 100

96 86.9 72.9 109.3



#6

Chloroethane

Concen: 17.084 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.00 min

Lab File: VW010608.D

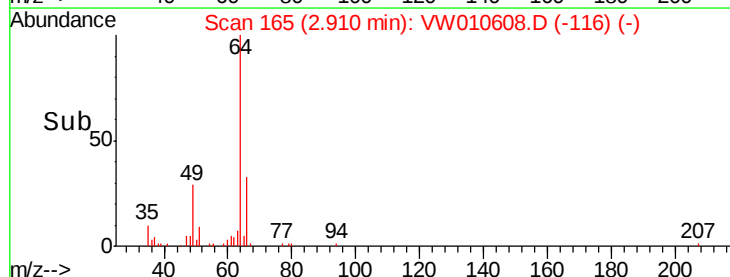
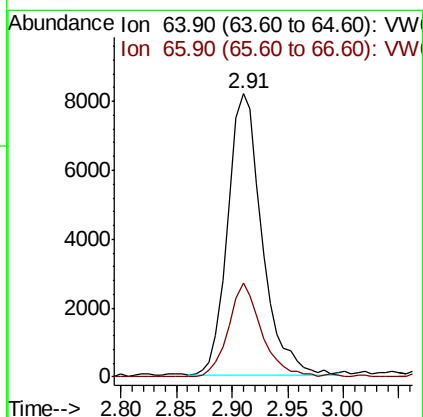
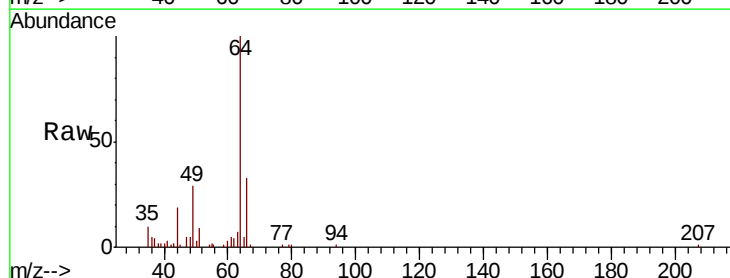
Acq: 30 May 2019 11:56

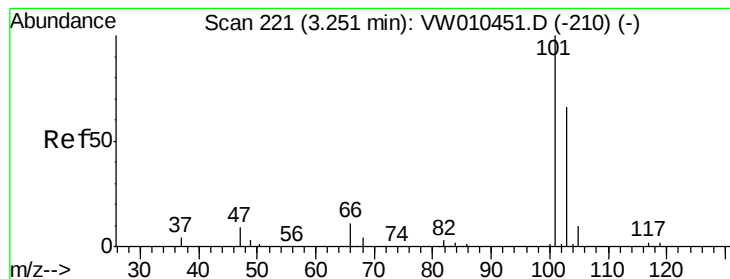
Tgt Ion: 64 Resp: 17329

Ion Ratio Lower Upper

64 100

66 33.6 25.5 38.3



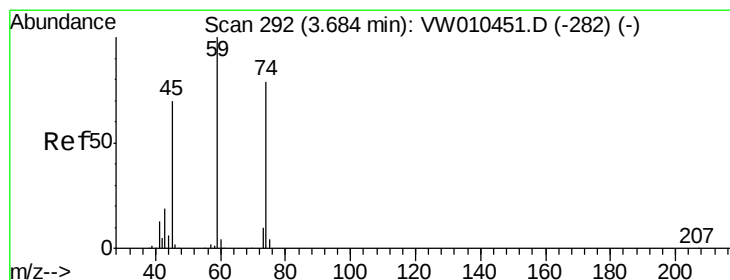
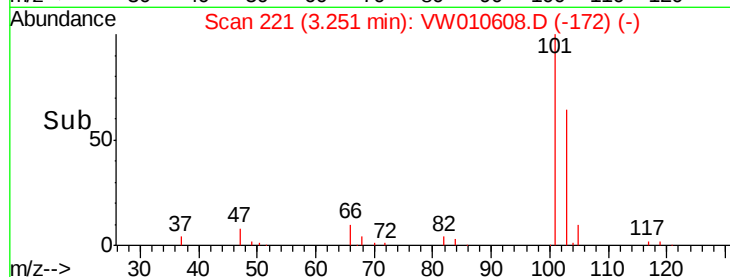
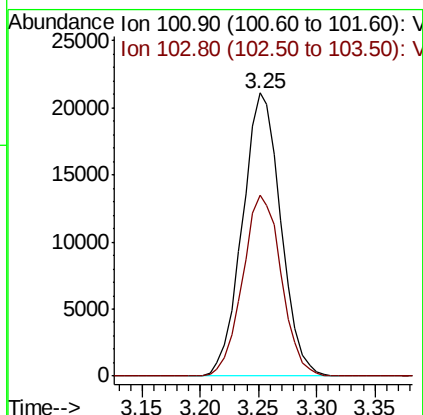
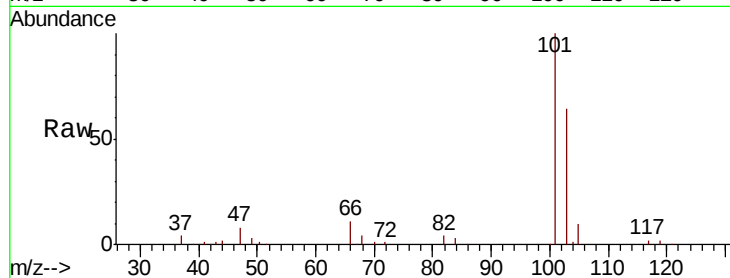


#7

Trichlorofluoromethane
 Concen: 20.820 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010608.D
 Acq: 30 May 2019 11:56

Instrument :
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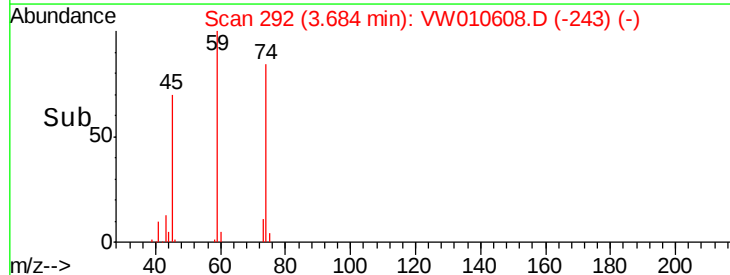
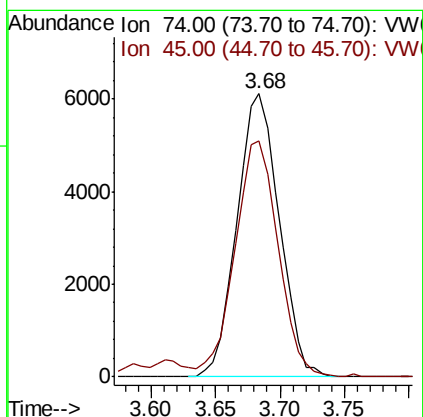
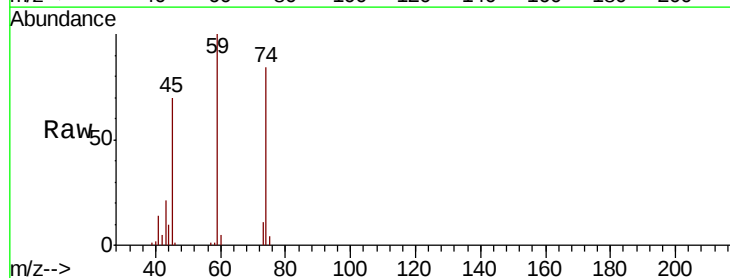
Tot Ion:101 Resp: 48569
 Ion Ratio Lower Upper
 101 100
 103 64.1 53.0 79.4

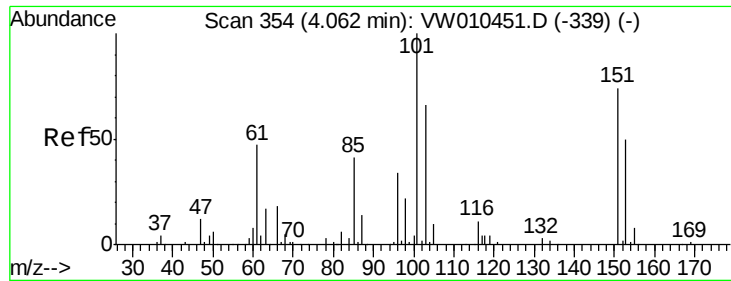


#8

Diethyl Ether
 Concen: 18.833 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW010608.D
 Acq: 30 May 2019 11:56

Tgt Ion: 74 Resp: 13927
 Ion Ratio Lower Upper
 74 100
 45 85.2 42.9 128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.401 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Instrument :

MSVOA_W

ClientSampled :

VW0530SBS01

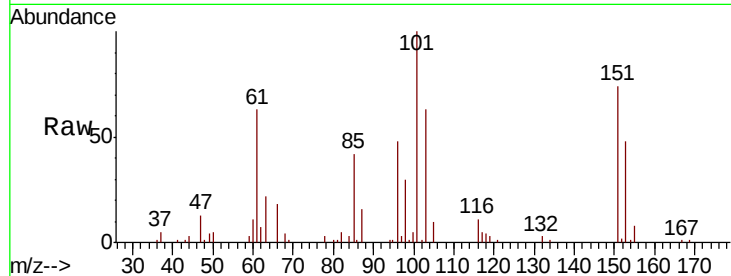
Tot Ion:101 Resp: 30745

Ion Ratio Lower Upper

101 100

85 43.1 34.3 51.5

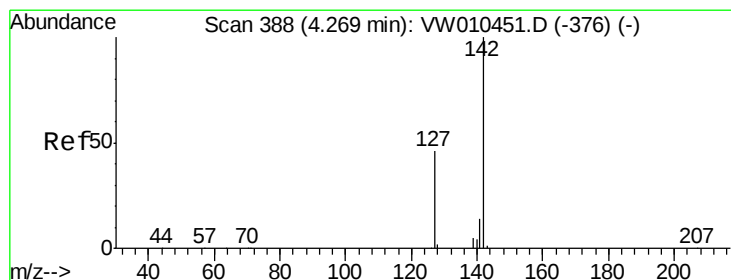
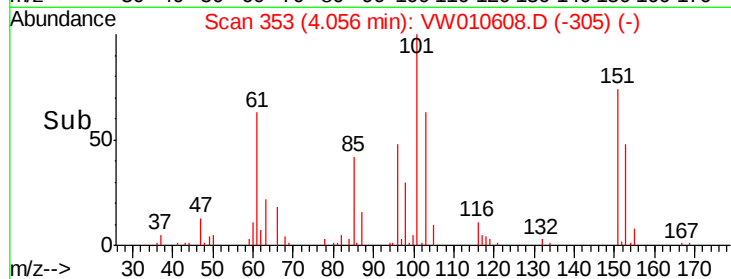
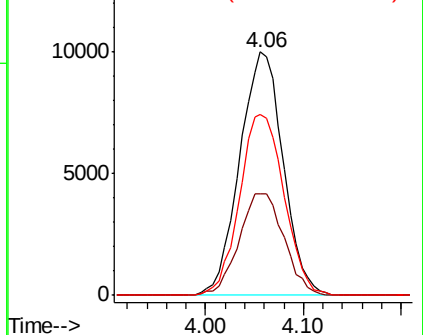
151 76.4 60.3 90.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 13.883 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

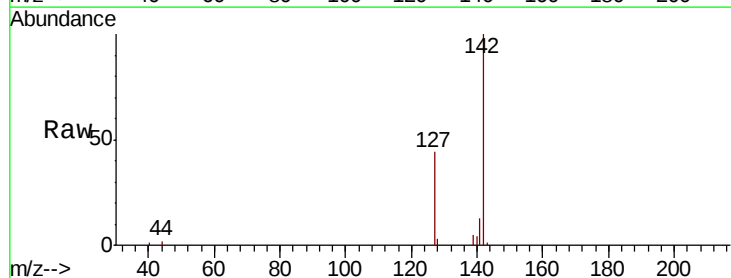
Tgt Ion:142 Resp: 22797

Ion Ratio Lower Upper

142 100

127 43.7 36.1 54.1

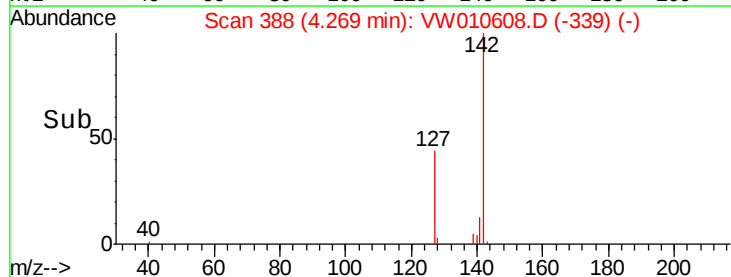
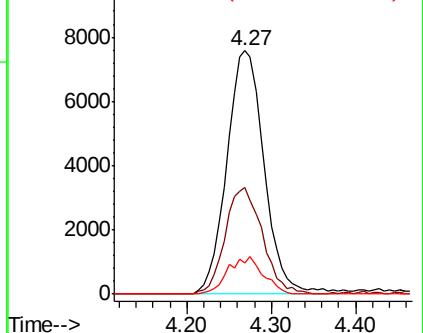
141 14.5 11.3 16.9

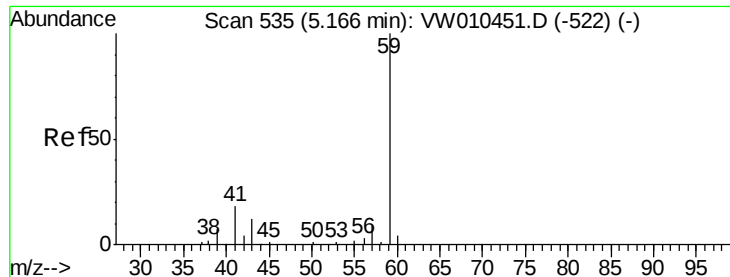


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

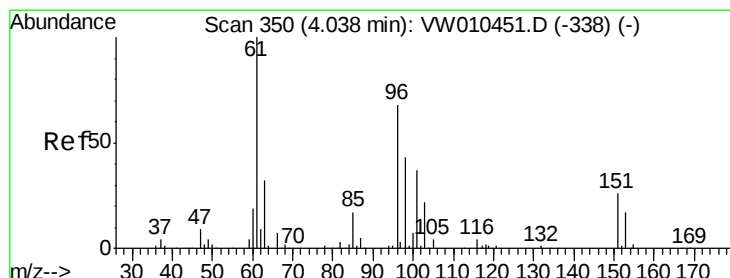
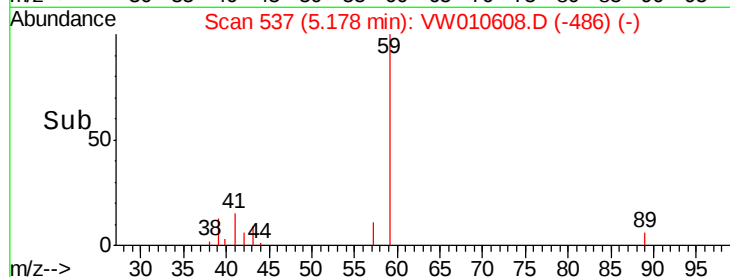
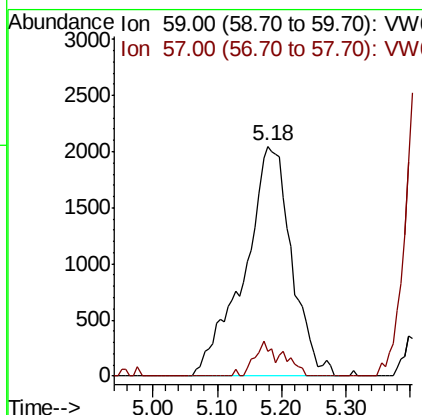
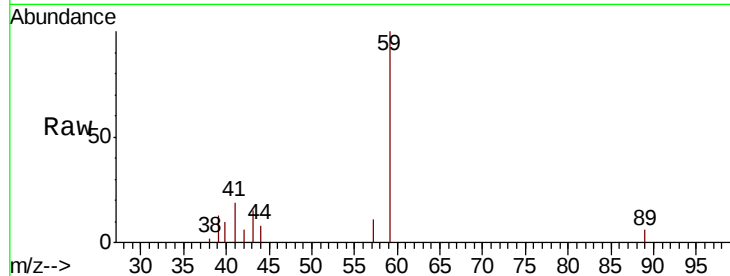




#11
Tert butyl alcohol
Concen: 86.377 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

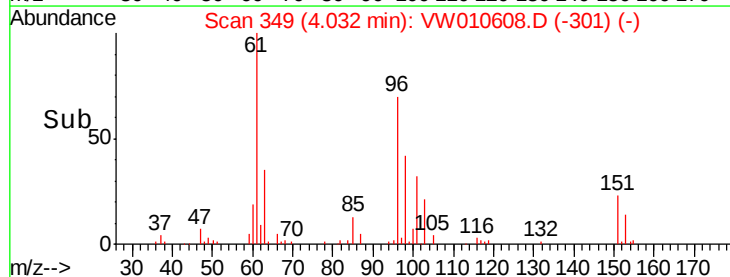
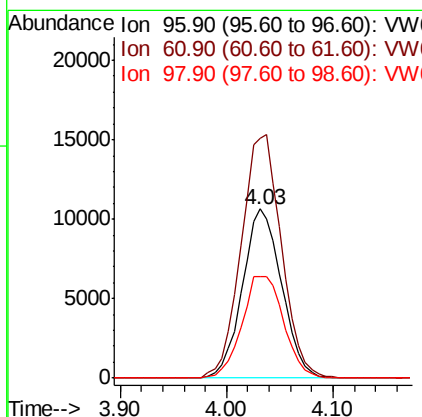
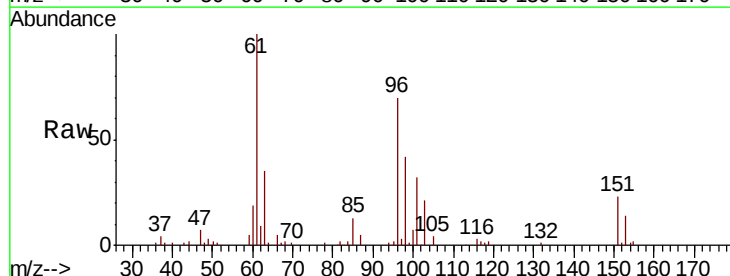
Instrument :
MSVOA_W
ClientSampleId :
VW0530SBS01

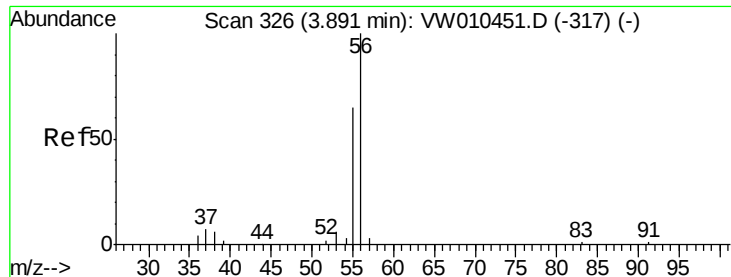
Tot Ion: 59 Resp: 10412
Ion Ratio Lower Upper
59 100
57 5.3 8.8 13.2#



#12
1,1-Dichloroethene
Concen: 20.061 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Tgt Ion: 96 Resp: 27511
Ion Ratio Lower Upper
96 100
61 142.0 118.3 177.5
98 60.2 51.0 76.6





#13

Acrolein

Concen: 63.278 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

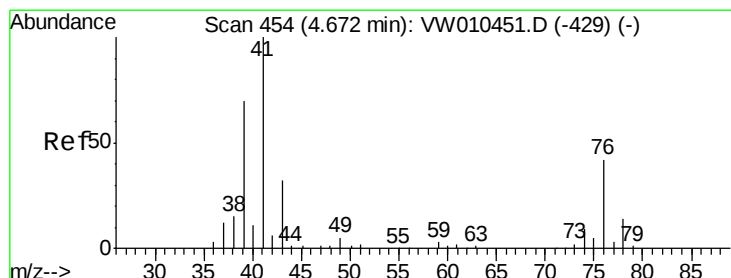
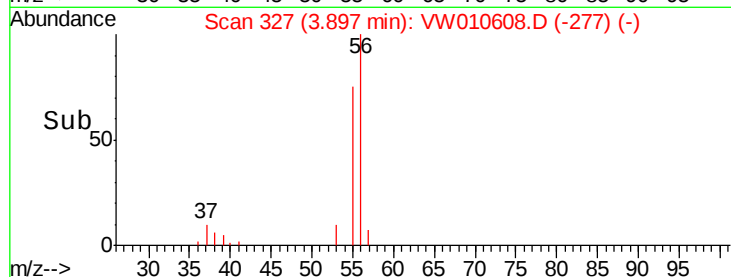
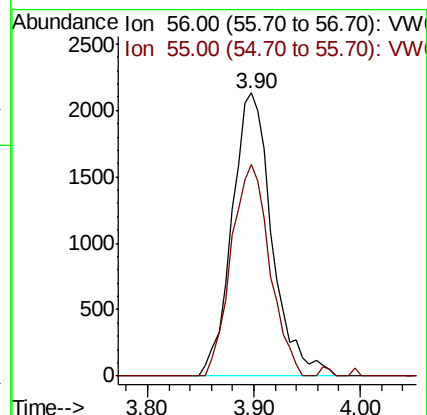
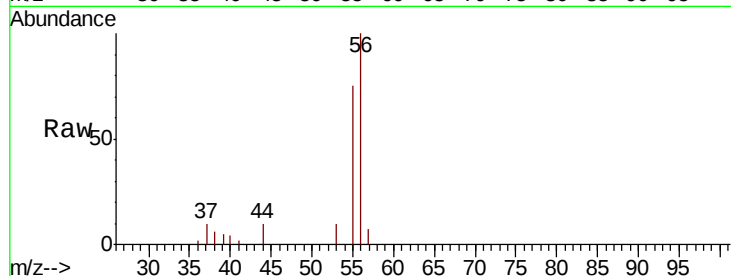
VW0530SBS01

Tot Ion: 56 Resp: 5615

Ion Ratio Lower Upper

56 100

55 71.7 57.9 86.9



#14

Allyl chloride

Concen: 19.028 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

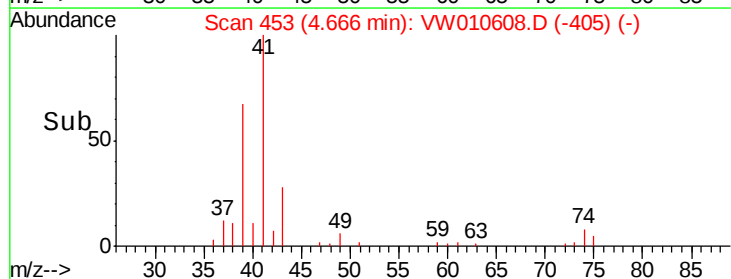
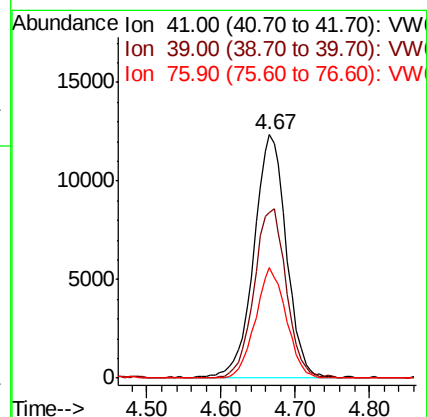
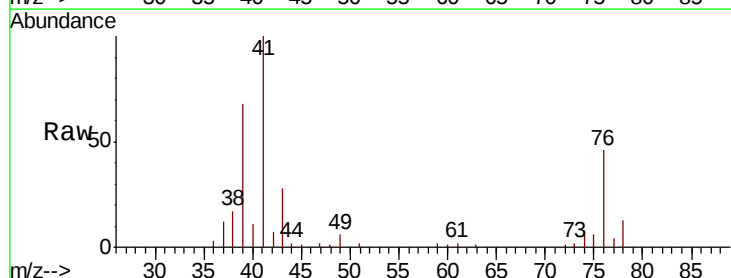
Tgt Ion: 41 Resp: 37772

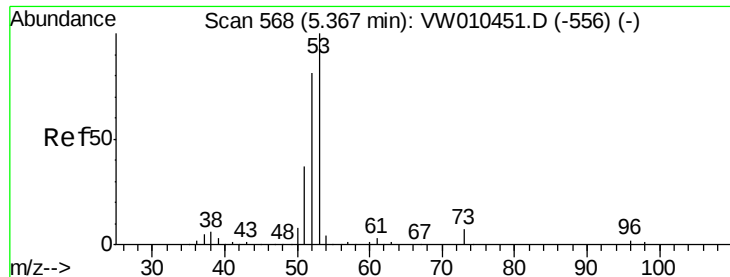
Ion Ratio Lower Upper

41 100

39 69.3 55.0 82.4

76 43.0 32.8 49.2





#15

Acrylonitrile

Concen: 84.250 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0530SBS01

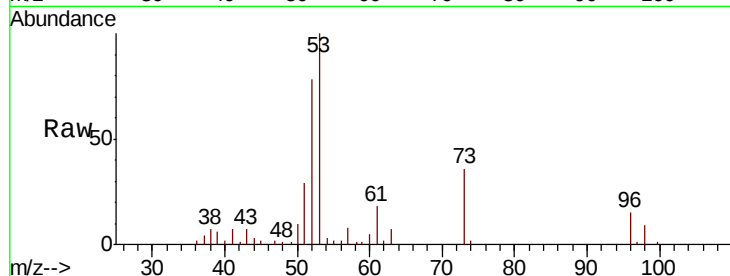
Tot Ion: 53 Resp: 26092

Ion Ratio Lower Upper

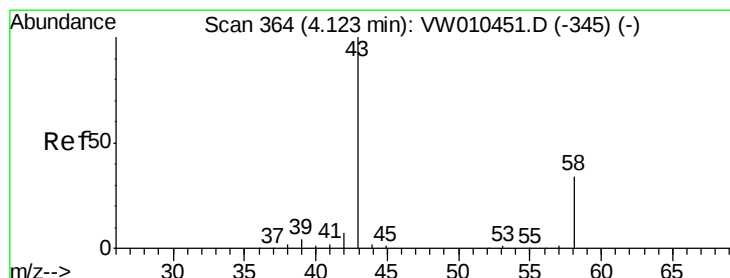
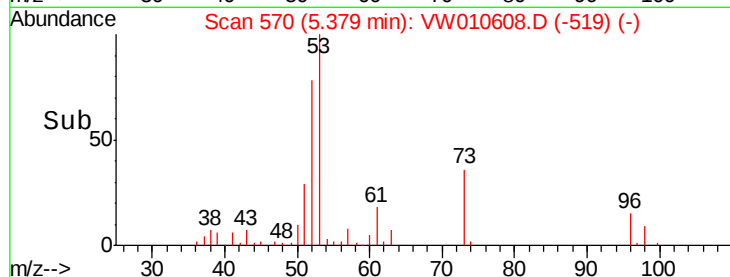
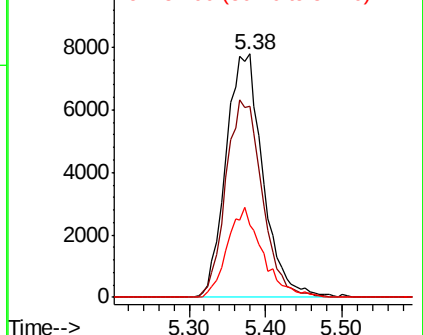
53 100

52 79.6 65.6 98.4

51 35.1 29.5 44.3



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



#16

Acetone

Concen: 88.007 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010608.D

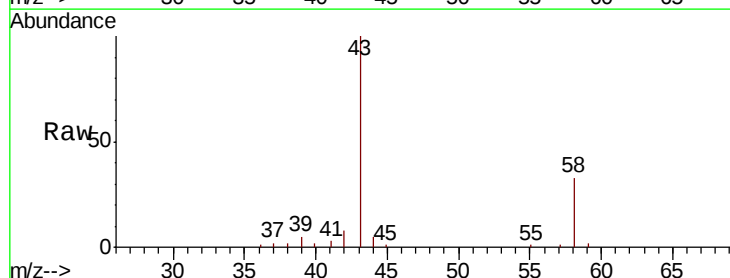
Acq: 30 May 2019 11:56

Tgt Ion: 43 Resp: 24074

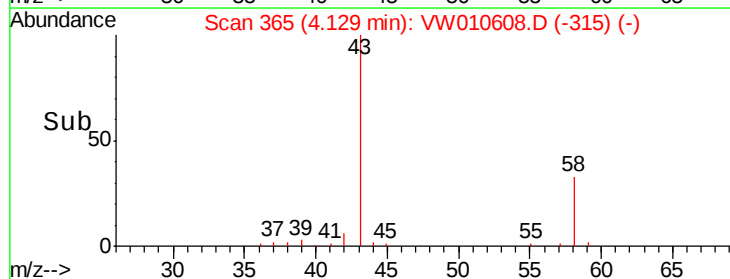
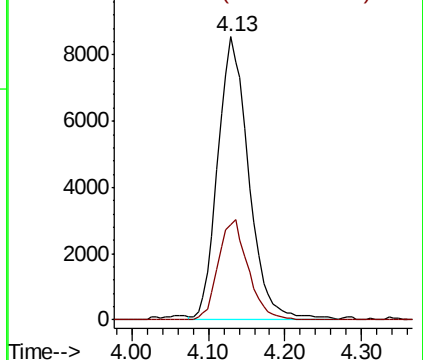
Ion Ratio Lower Upper

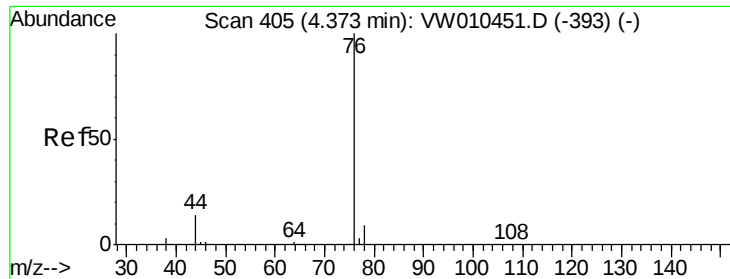
43 100

58 33.4 27.0 40.4



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

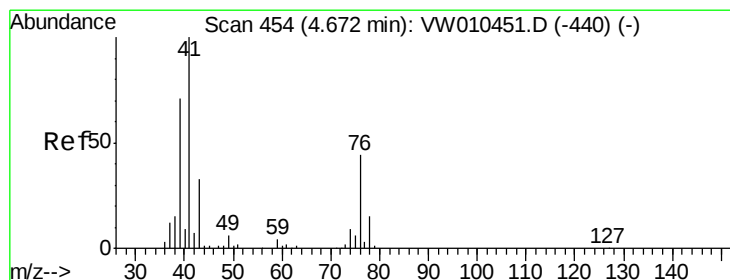
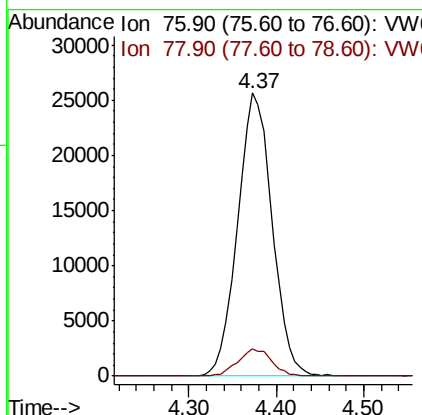
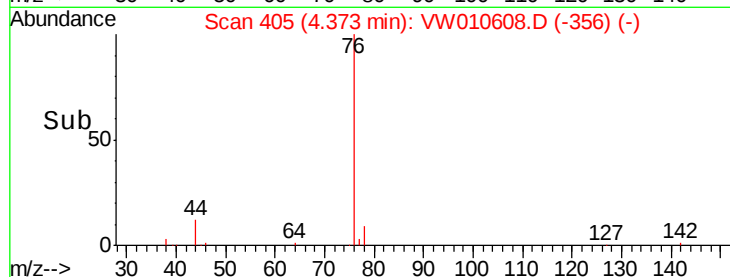
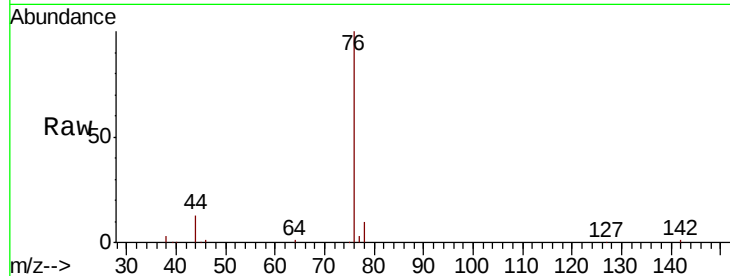




#17
Carbon Disulfide
Concen: 17.200 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

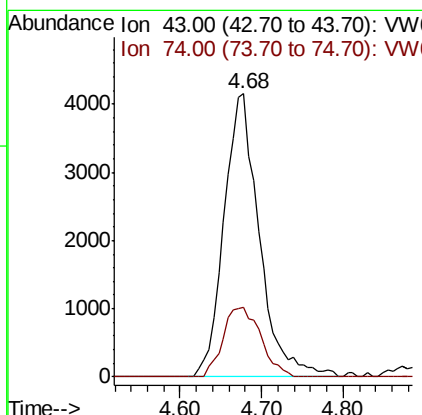
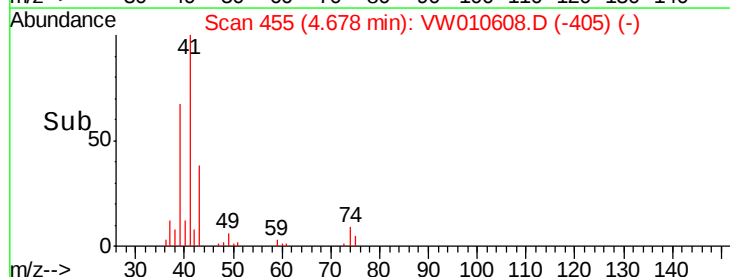
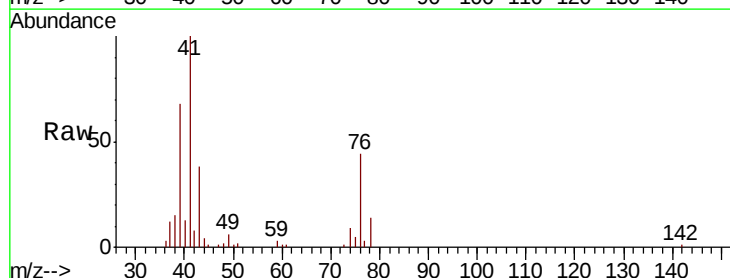
Instrument :
MSVOA_W
ClientSampleId :
VW0530SBS01

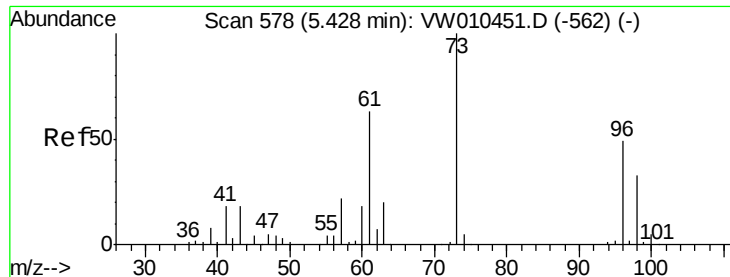
Tot Ion: 76 Resp: 70356
Ion Ratio Lower Upper
76 100
78 9.5 7.1 10.7



#18
Methyl Acetate
Concen: 18.605 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Tgt Ion: 43 Resp: 12447
Ion Ratio Lower Upper
43 100
74 26.0 21.6 32.4

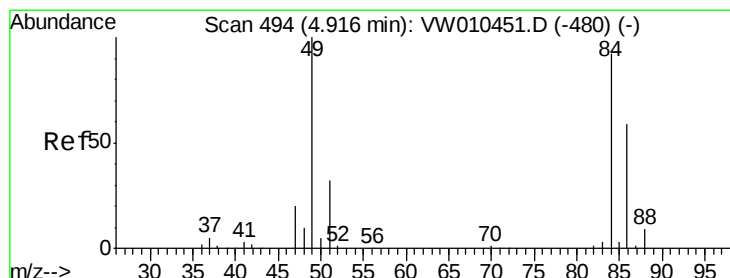
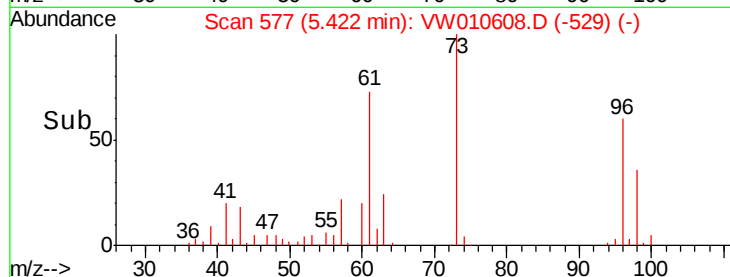
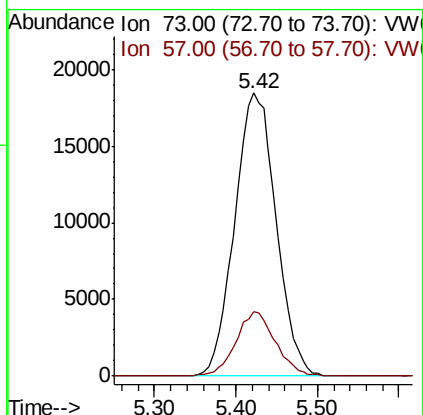
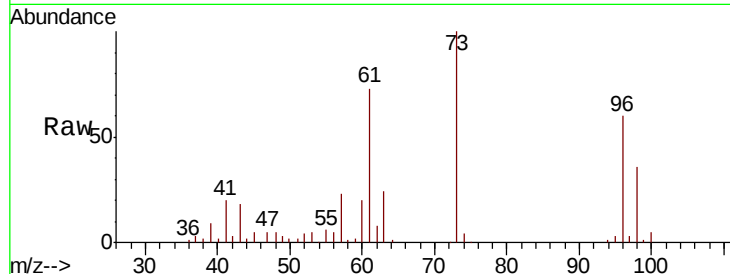




#19
Methyl tert-butyl Ether
Concen: 18.610 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

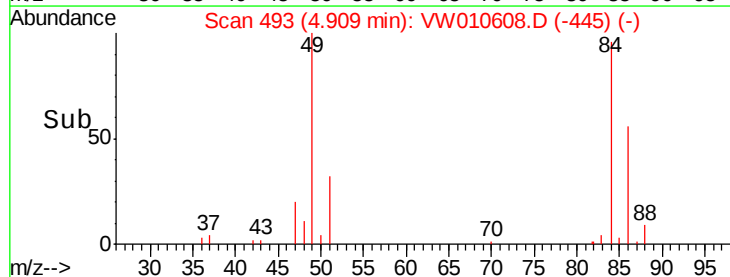
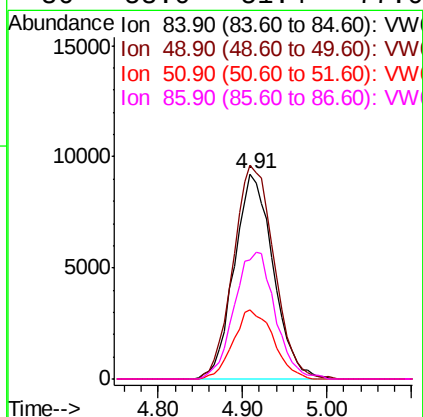
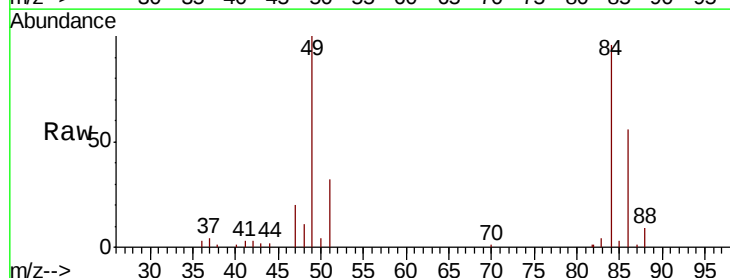
Instrument :
MSVOA_W
ClientSampleId :
VW0530SBS01

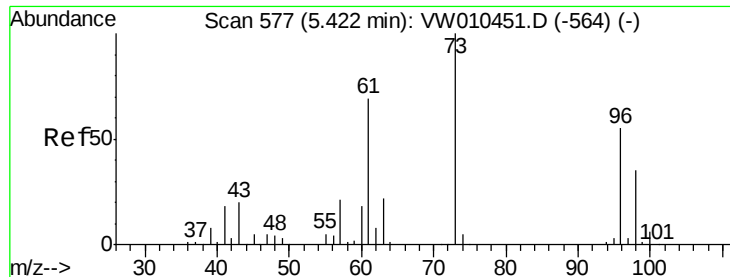
Tot Ion: 73 Resp: 65063
Ion Ratio Lower Upper
73 100
57 22.7 17.4 26.0



#20
Methylene Chloride
Concen: 14.459 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Tgt Ion: 84 Resp: 28993
Ion Ratio Lower Upper
84 100
49 104.0 87.2 130.8
51 33.8 27.7 41.5
86 58.0 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 20.598 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0530SBS01

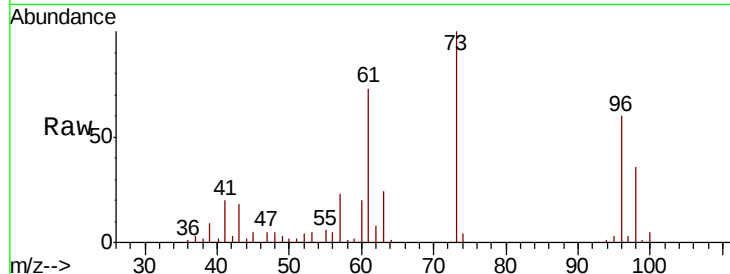
Tot Ion: 96 Resp: 32401

Ion Ratio Lower Upper

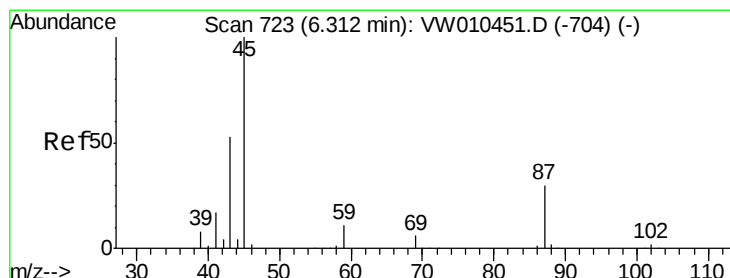
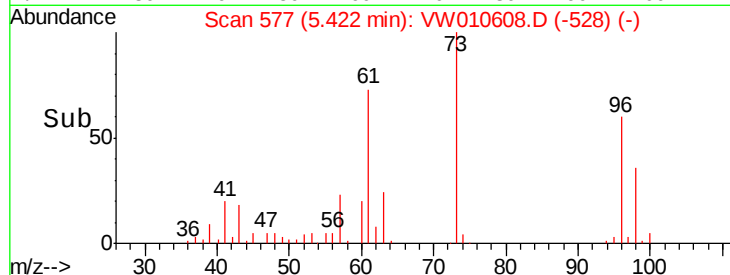
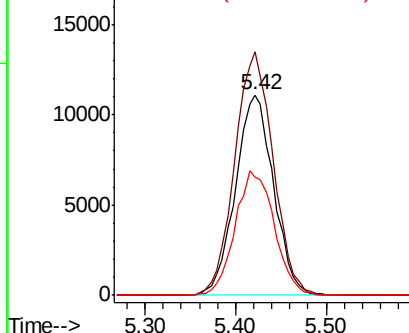
96 100

61 121.6 101.4 152.0

98 59.3 50.6 76.0



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



#22

Diisopropyl ether

Concen: 19.655 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Tgt Ion: 45 Resp: 80004

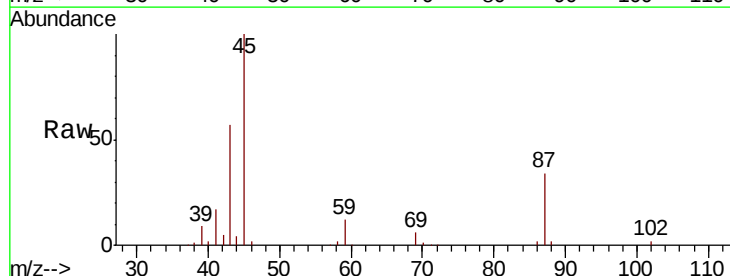
Ion Ratio Lower Upper

45 100

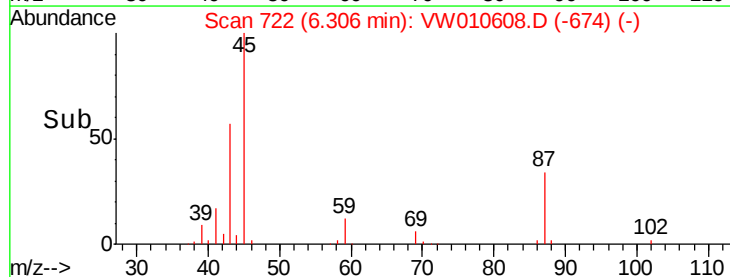
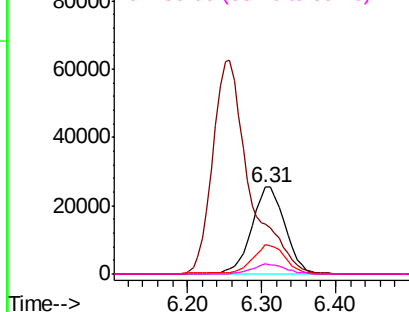
43 56.8 42.9 64.3

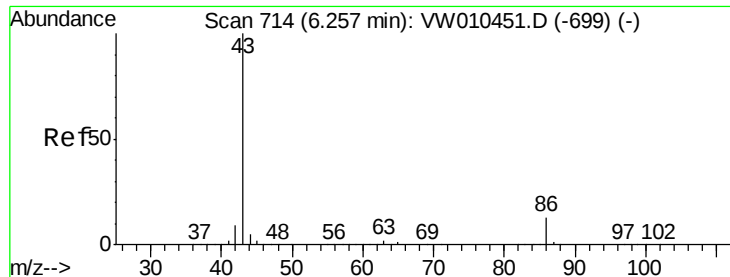
87 34.5 24.6 36.8

59 11.5 9.4 14.0



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: 88.040 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

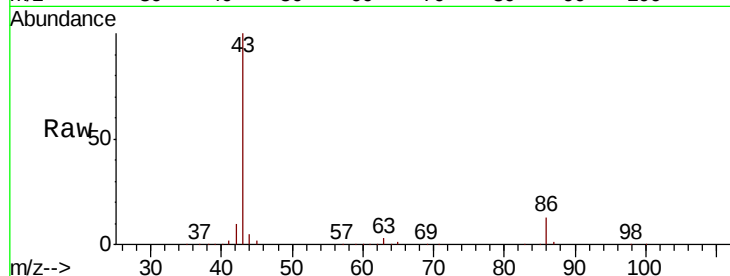
VW0530SBS01

Tot Ion: 43 Resp: 214060

Ion Ratio Lower Upper

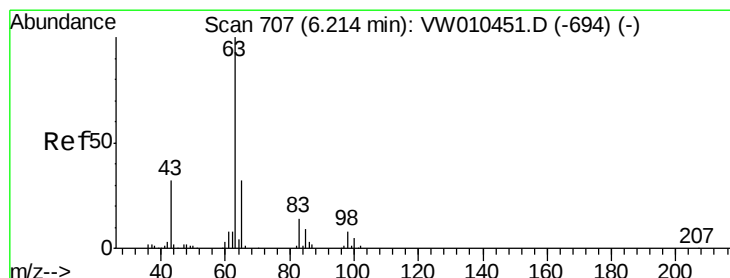
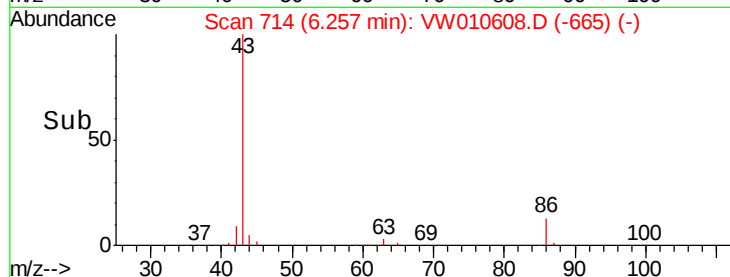
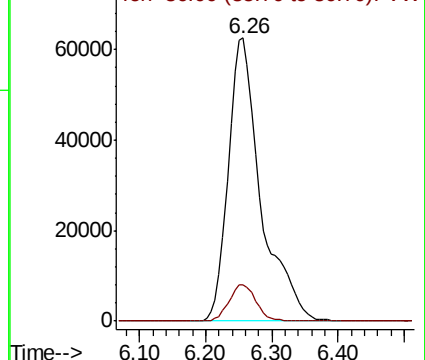
43 100

86 12.8 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 20.977 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

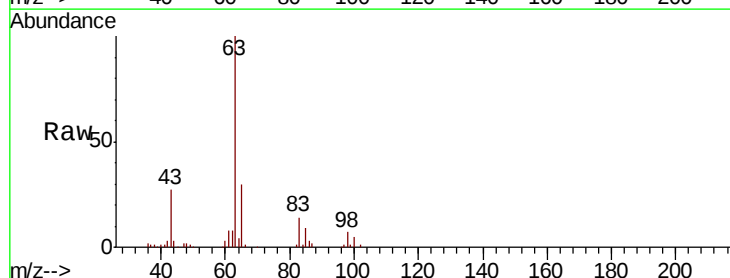
Tgt Ion: 63 Resp: 50954

Ion Ratio Lower Upper

63 100

98 6.8 3.8 11.2

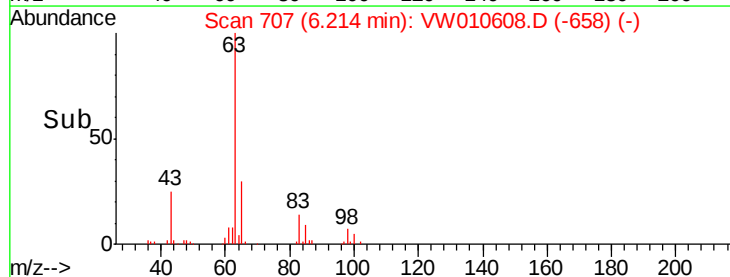
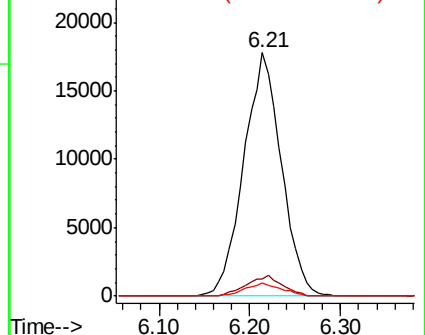
100 5.4 2.5 7.4

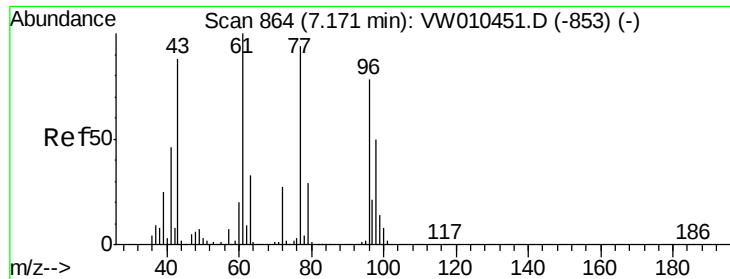


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 85.943 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

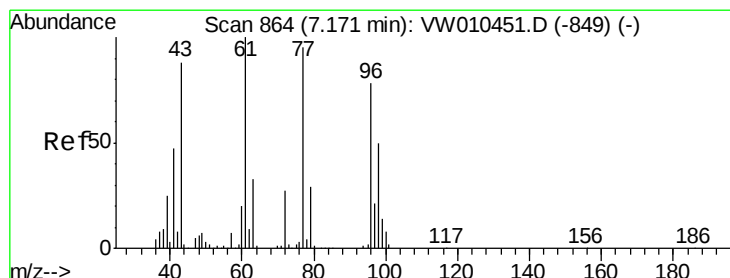
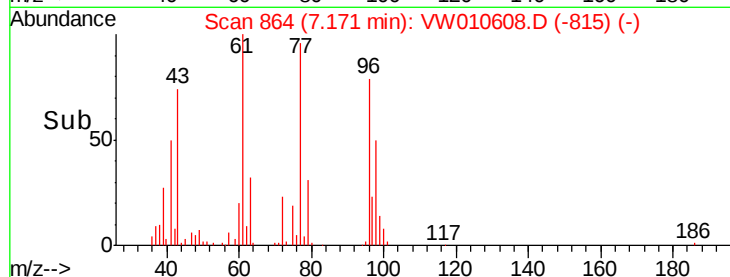
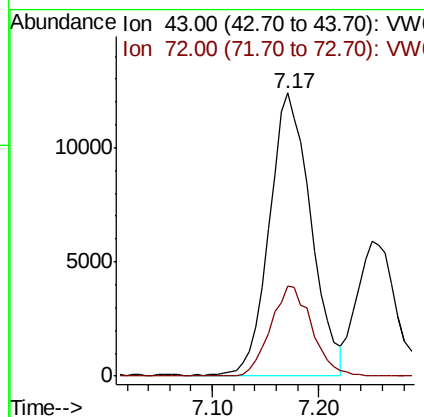
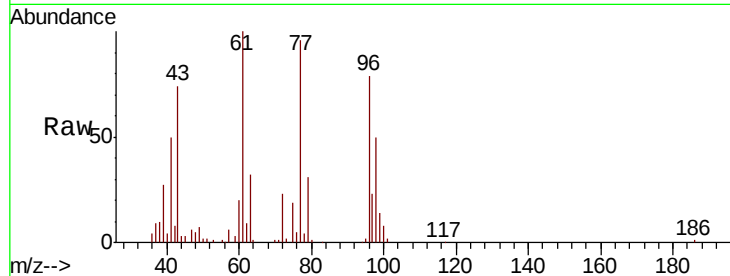
VW0530SBS01

Tot Ion: 43 Resp: 33644

Ion Ratio Lower Upper

43 100

72 31.9 24.1 36.1



#26

2,2-Dichloropropane

Concen: 21.585 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010608.D

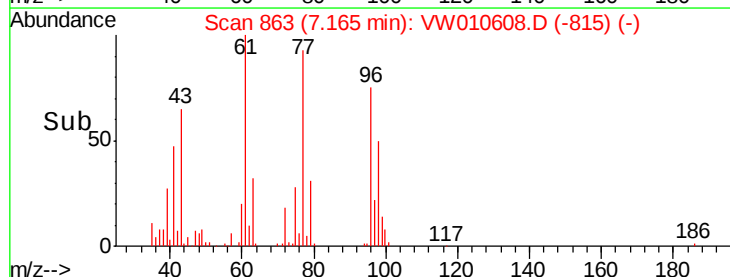
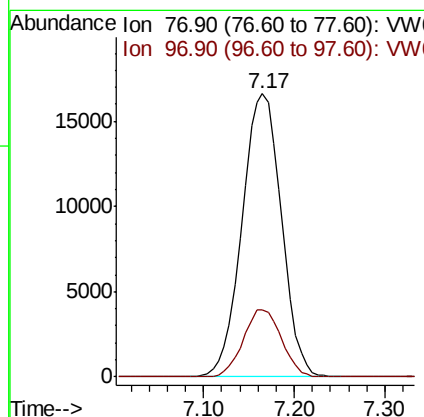
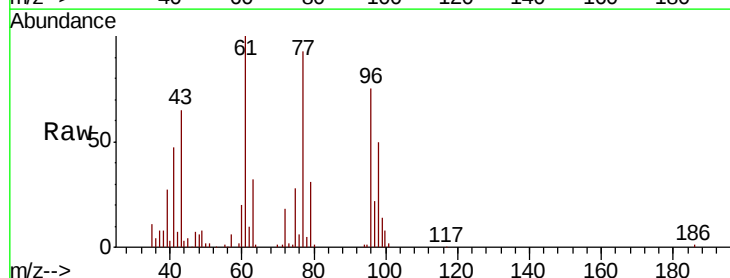
Acq: 30 May 2019 11:56

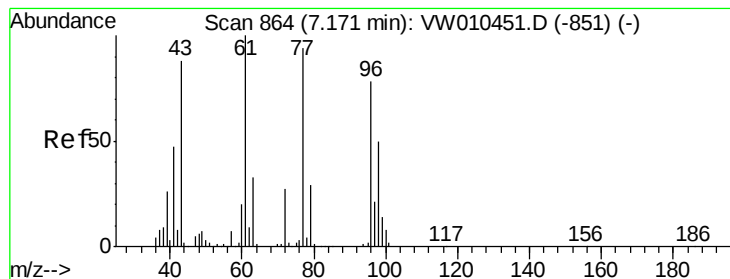
Tgt Ion: 77 Resp: 49943

Ion Ratio Lower Upper

77 100

97 23.1 11.7 35.0



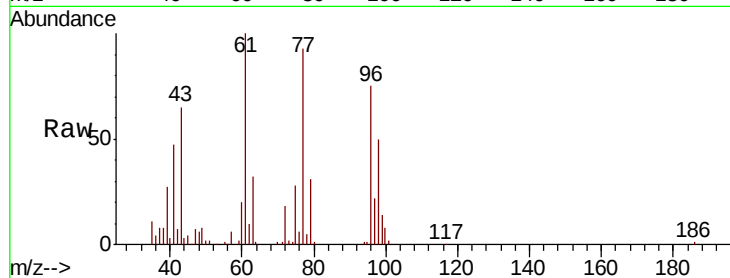


#27

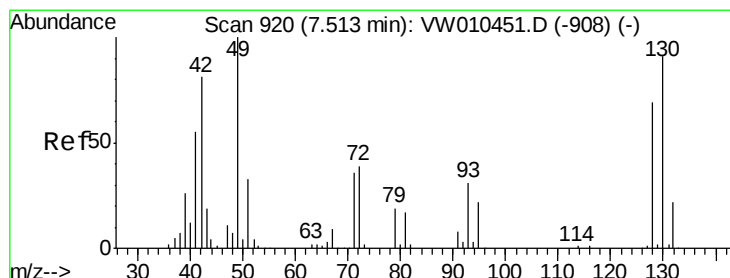
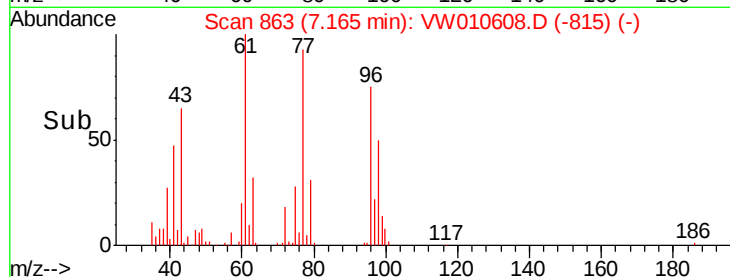
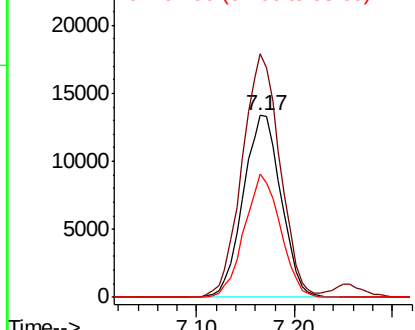
cis-1,2-Dichloroethene
 Concen: 21.006 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW010608.D
 Acq: 30 May 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0530SBS01

Tot Ion: 96 Resp: 35924
 Ion Ratio Lower Upper
 96 100
 61 133.9 0.0 265.4
 98 64.3 0.0 129.4



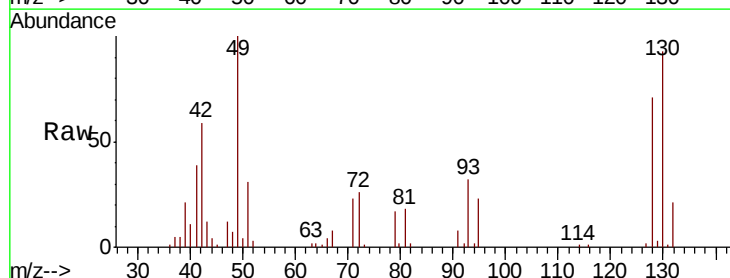
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



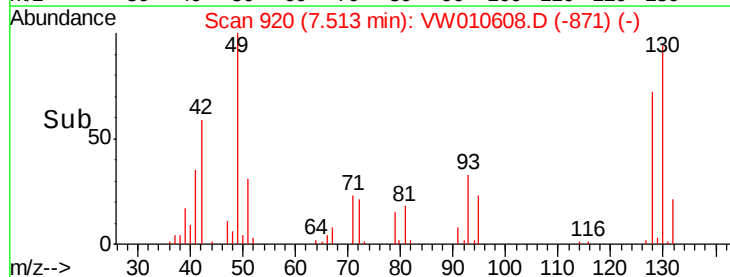
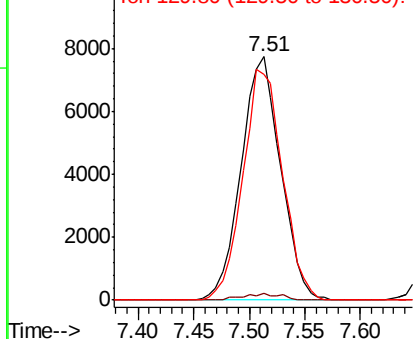
#28

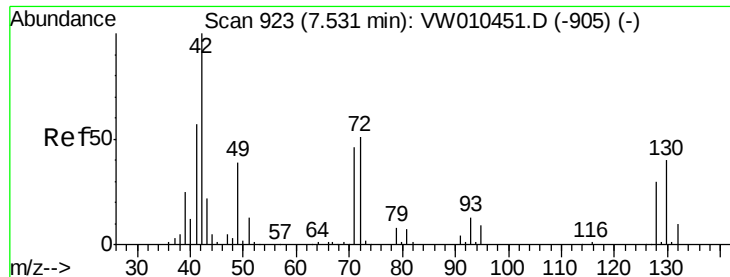
Bromochloromethane
 Concen: 22.005 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW010608.D
 Acq: 30 May 2019 11:56

Tgt Ion: 49 Resp: 19137
 Ion Ratio Lower Upper
 49 100
 129 2.5 0.0 4.8
 130 94.9 71.2 106.8



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

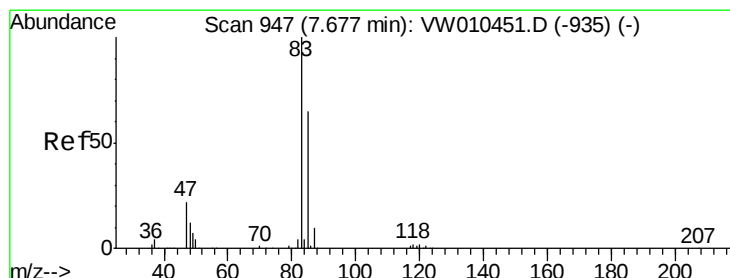
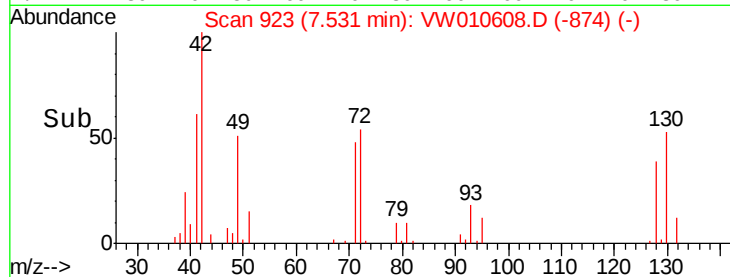
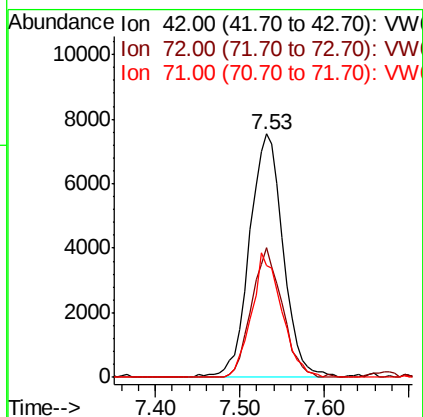
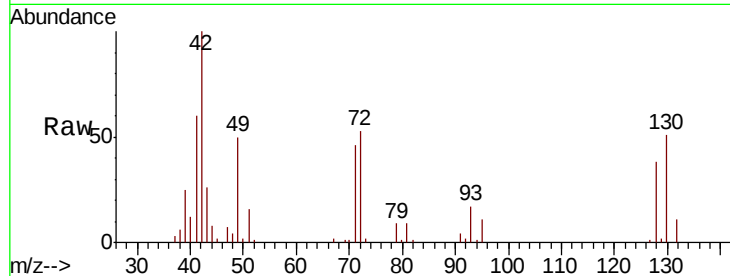




#29
Tetrahydrofuran
Concen: 77.354 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

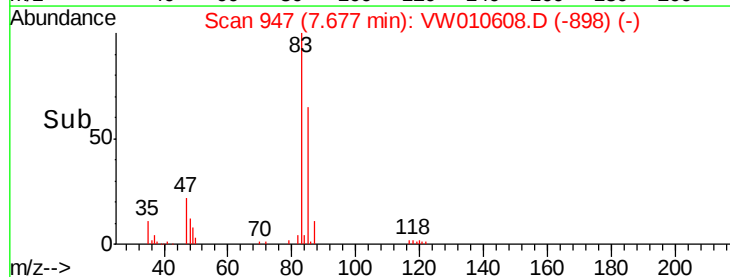
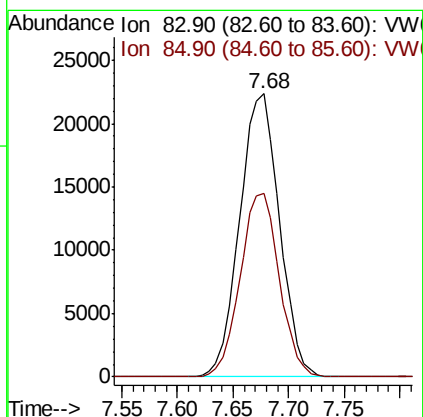
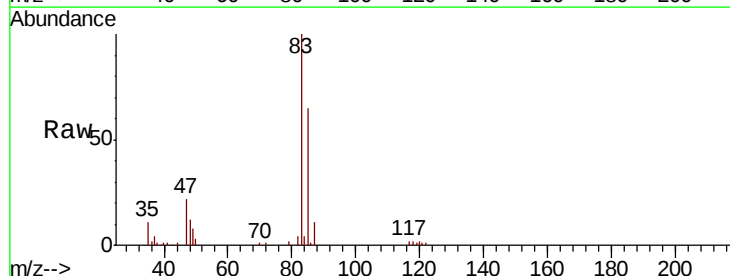
Instrument :
MSVOA_W
ClientSampleId :
VW0530SBS01

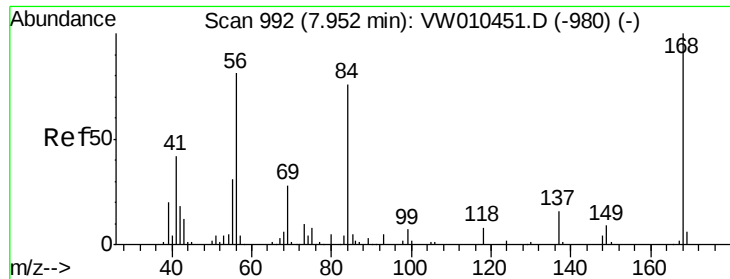
Tot Ion: 42 Resp: 20491
Ion Ratio Lower Upper
42 100
72 48.6 38.5 57.7
71 45.8 36.5 54.7



#30
Chloroform
Concen: 21.177 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Tgt Ion: 83 Resp: 55485
Ion Ratio Lower Upper
83 100
85 64.6 52.2 78.4

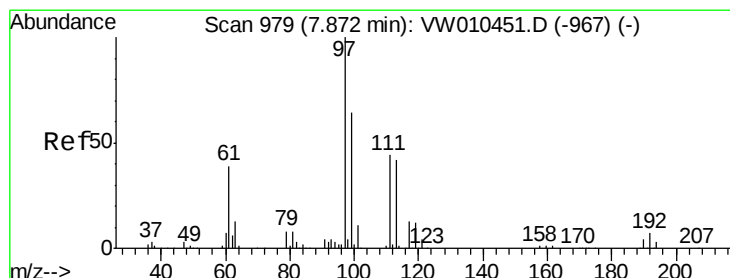
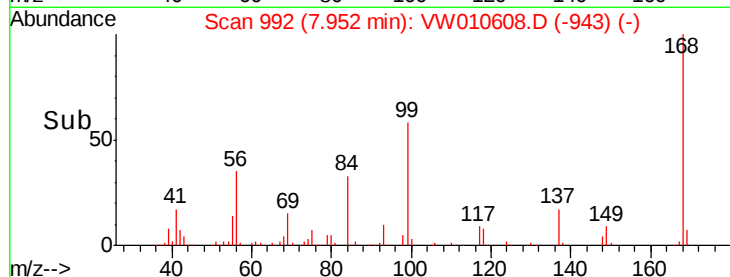
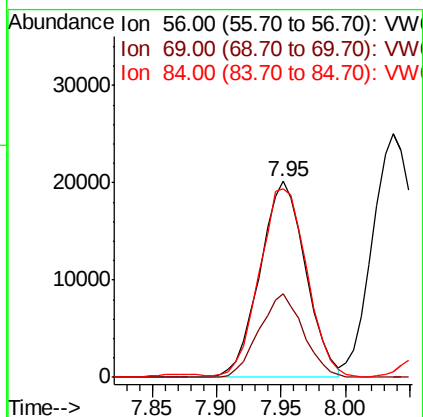
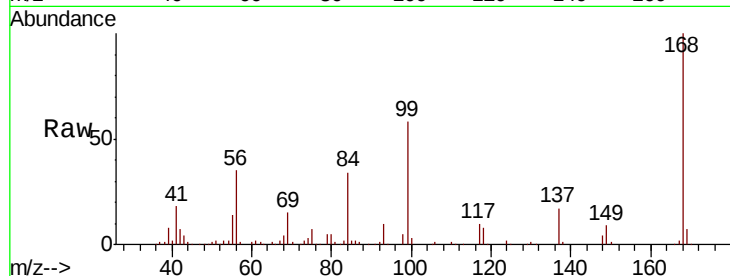




#31
Cyclohexane
Concen: 19.559 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

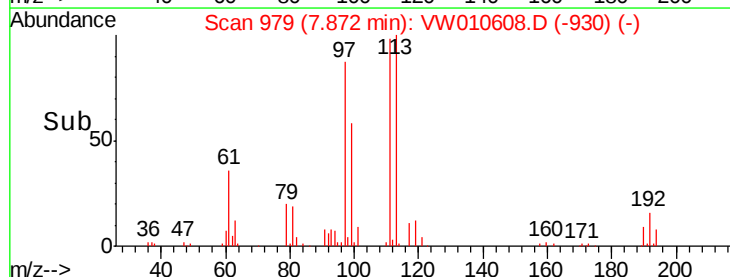
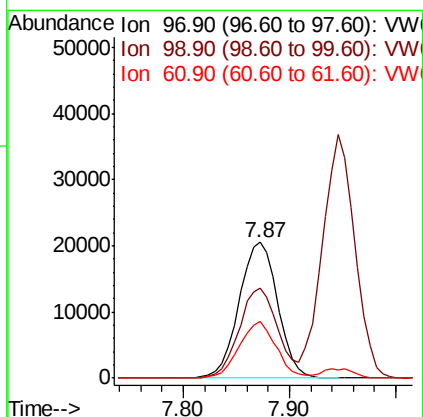
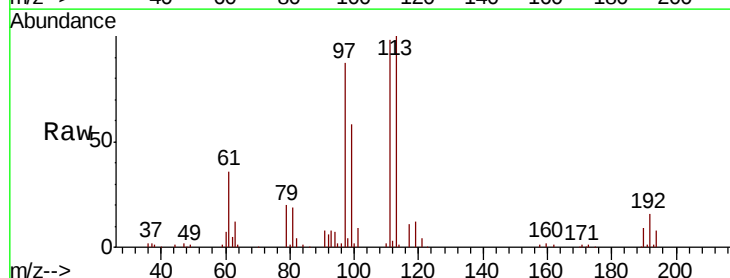
Instrument :
MSVOA_W
ClientSampleId :
VW0530SBS01

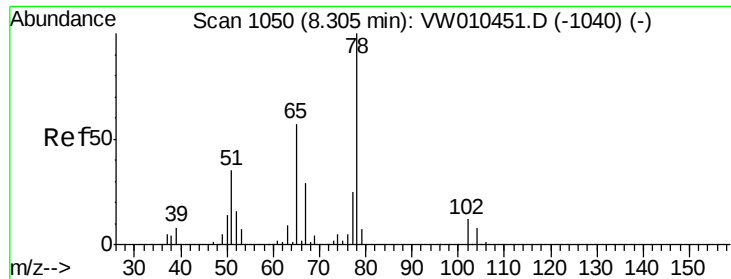
Tot Ion: 56 Resp: 49764
Ion Ratio Lower Upper
56 100
69 42.4 28.2 42.2#
84 94.2 75.8 113.8



#32
1,1,1-Trichloroethane
Concen: 20.896 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Tgt Ion: 97 Resp: 52326
Ion Ratio Lower Upper
97 100
99 66.5 50.8 76.2
61 39.7 32.1 48.1





#33

1,2-Dichloroethane-d4

Concen: 49.627 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

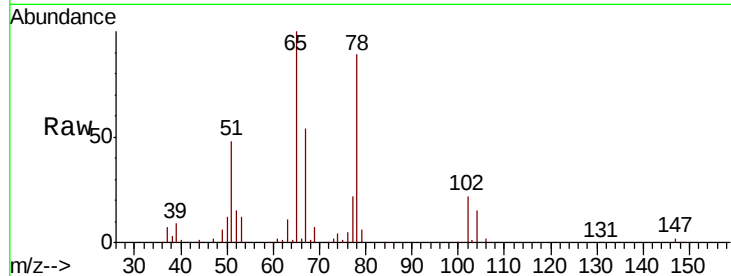
VW0530SBS01

Tot Ion: 65 Resp: 66505

Ion Ratio Lower Upper

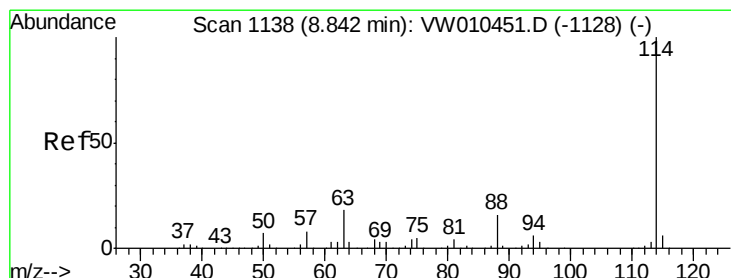
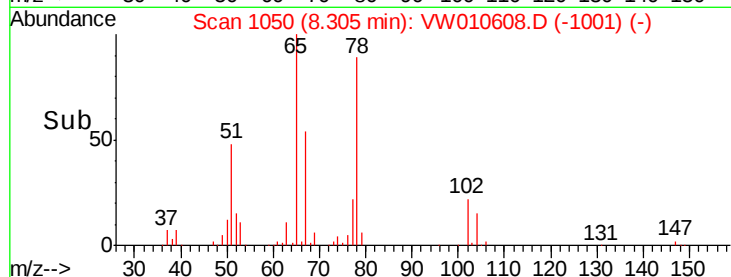
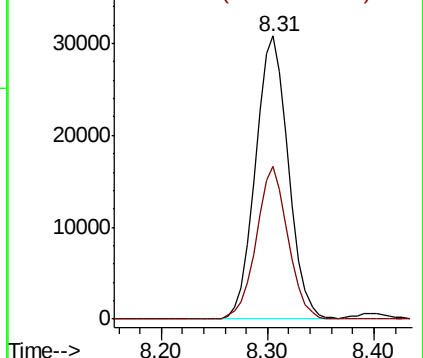
65 100

67 52.0 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

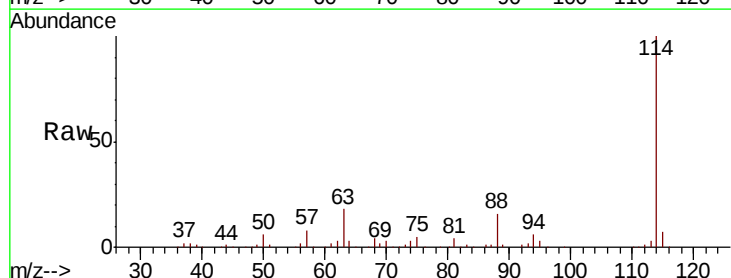
Tgt Ion: 114 Resp: 217629

Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.0

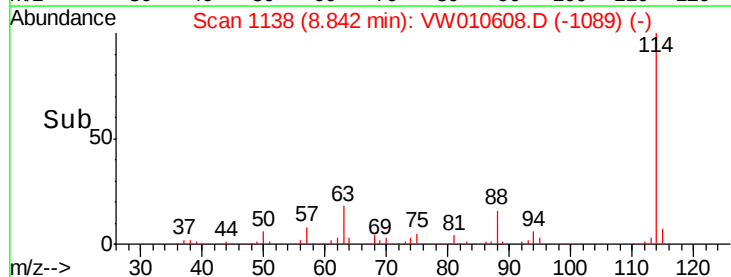
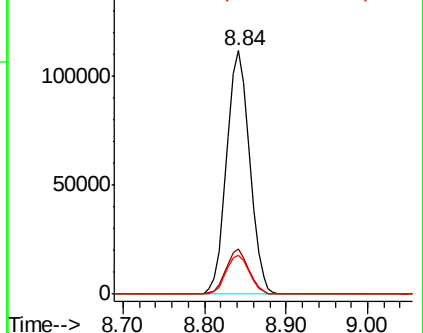
88 15.8 0.0 32.0

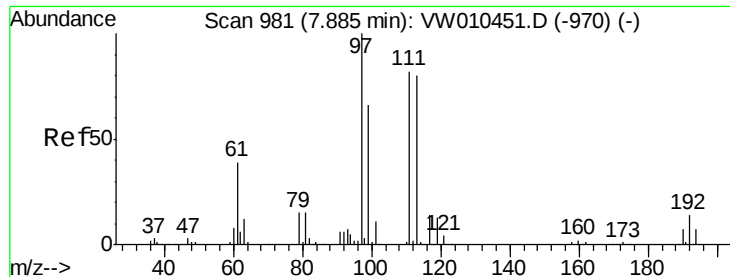


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

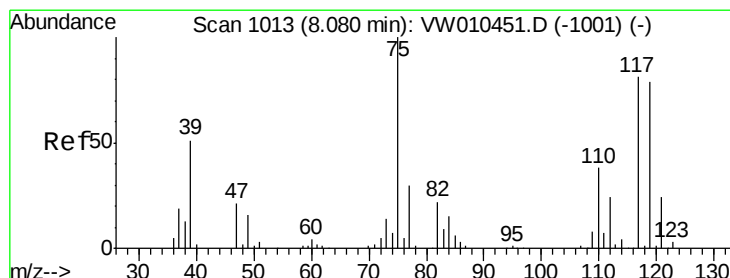
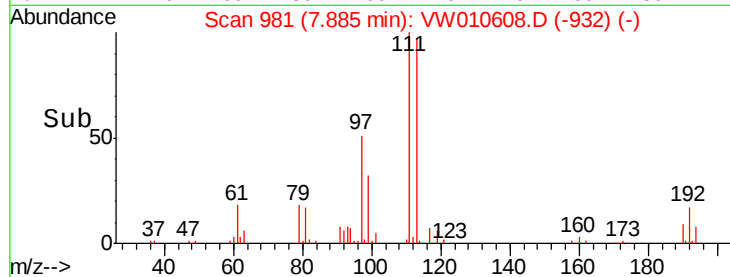
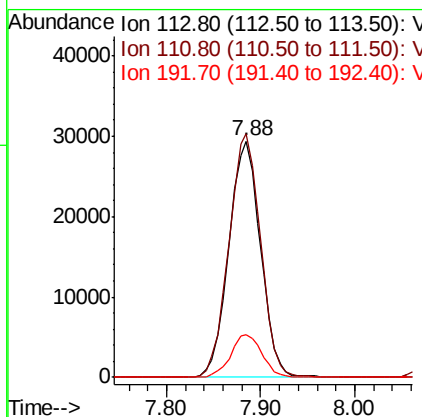
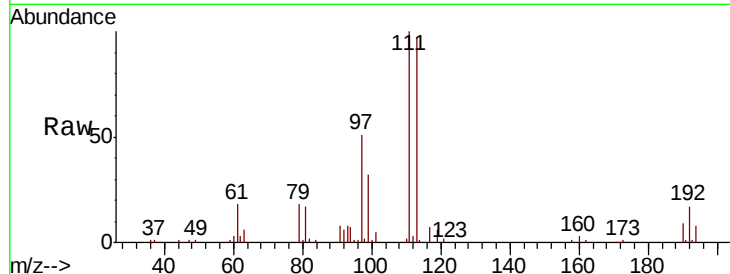




#35
 Dibromofluoromethane
 Concen: 52.118 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010608.D
 Acq: 30 May 2019 11:56

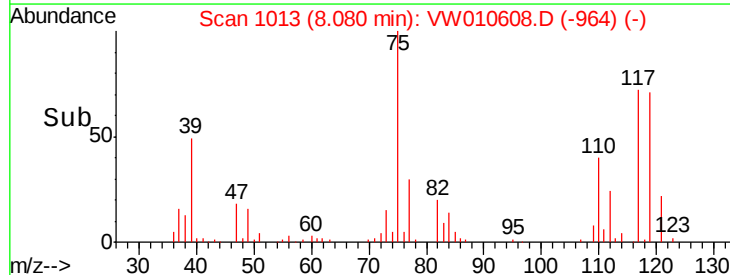
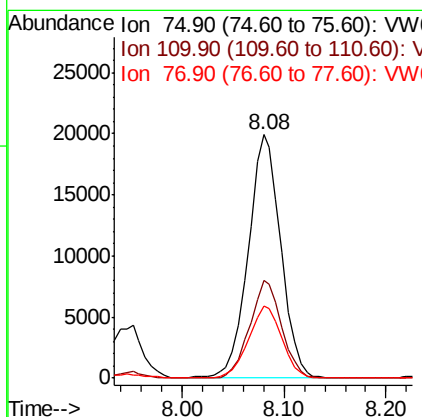
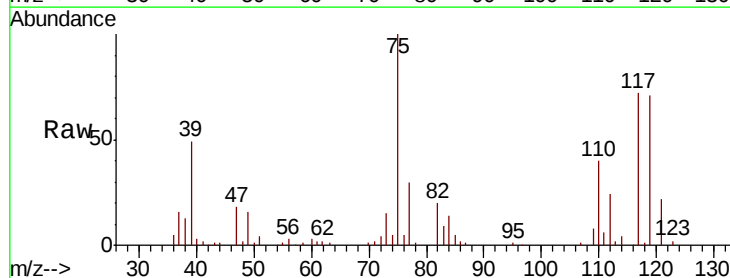
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0530SBS01

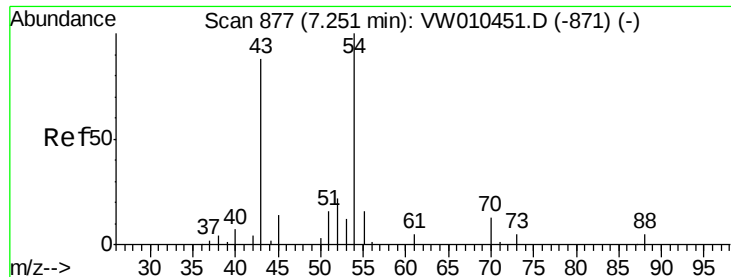
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.2	123.4
192	17.8	14.3	21.5



#36
 1,1-Dichloropropene
 Concen: 21.781 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010608.D
 Acq: 30 May 2019 11:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.1	19.2	57.6
77	30.5	25.2	37.8

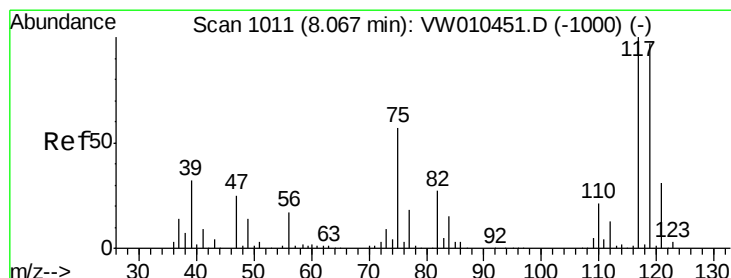
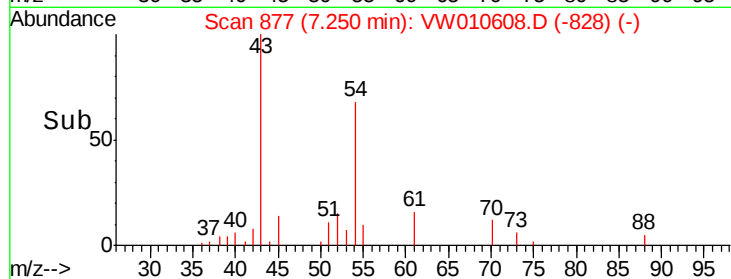
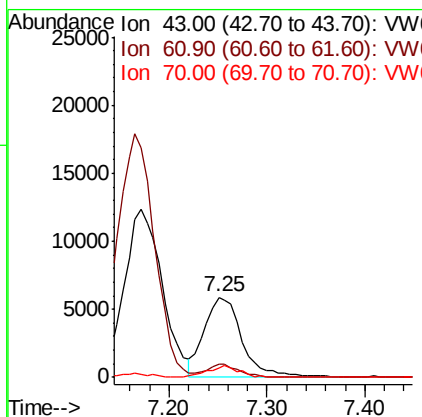
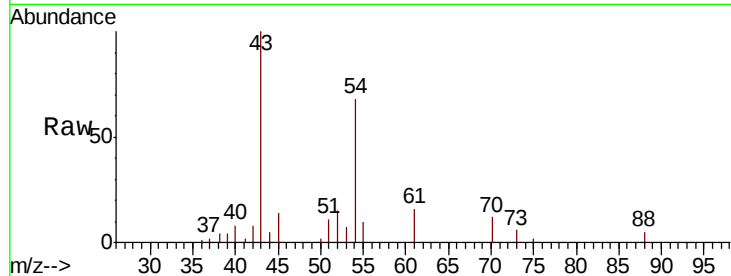




#37
Ethyl Acetate
Concen: 18.392 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

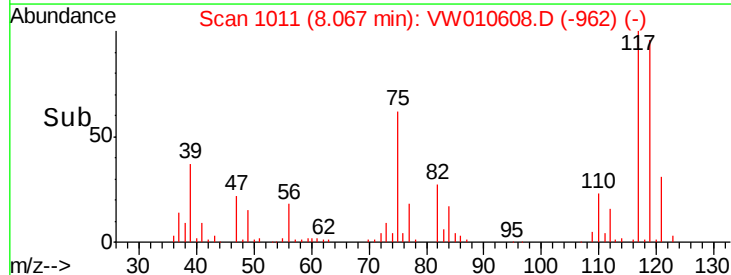
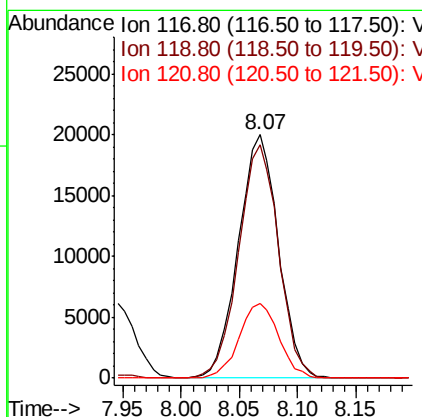
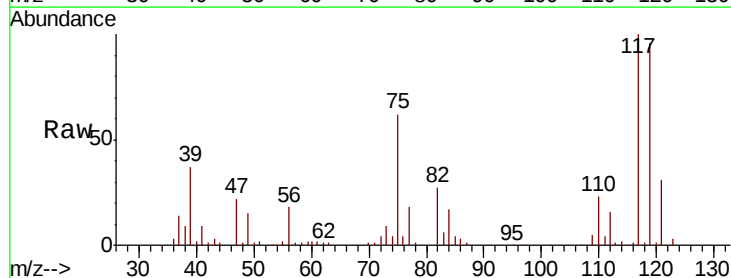
Instrument :
MSVOA_W
ClientSampleId :
VW0530SBS01

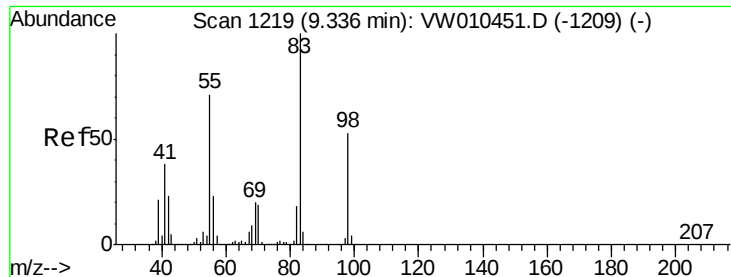
Tot Ion: 43 Resp: 15856
Ion Ratio Lower Upper
43 100
61 13.8 11.2 16.8
70 12.0 9.9 14.9



#38
Carbon Tetrachloride
Concen: 21.843 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Tgt Ion: 117 Resp: 47769
Ion Ratio Lower Upper
117 100
119 95.6 77.4 116.0
121 30.9 25.0 37.6

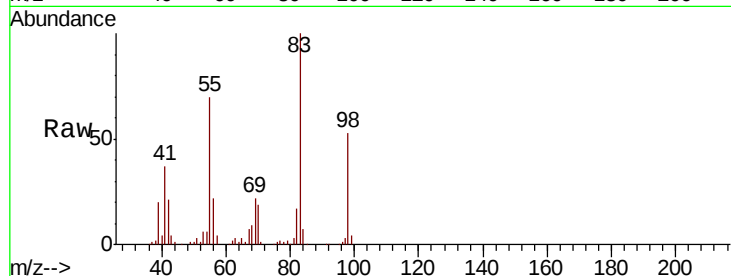




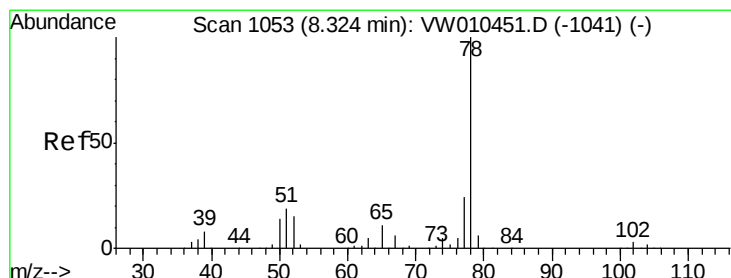
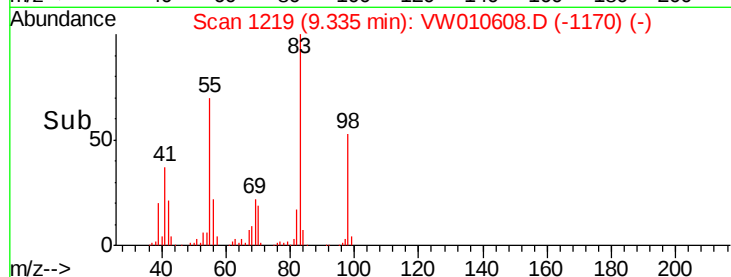
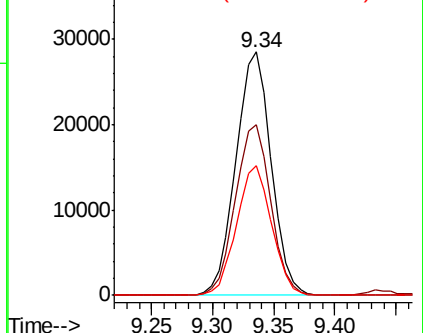
#39
Methvlcvclohexane
Concen: 21.048 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0530SBS01

Tot Ion: 83 Resp: 57168
Ion Ratio Lower Upper
83 100
55 70.3 57.0 85.6
98 53.1 42.0 63.0

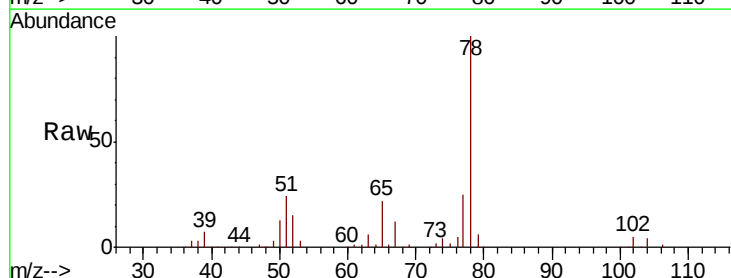


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

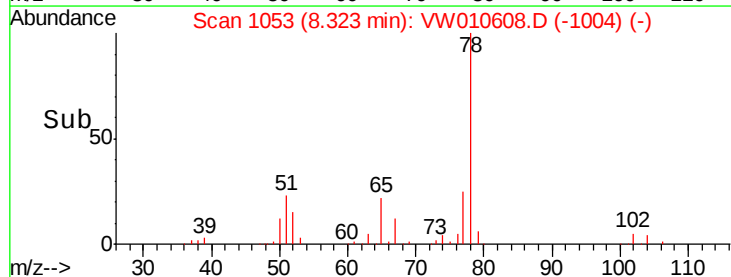
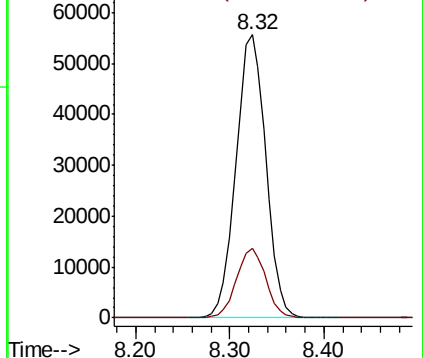


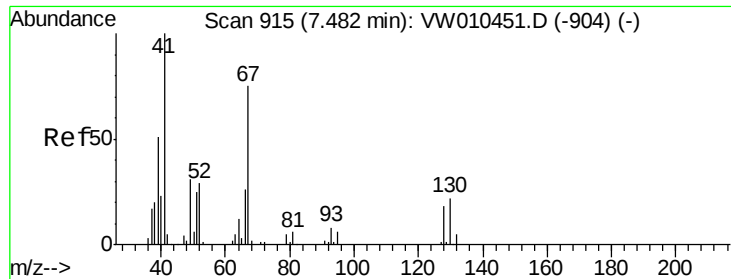
#40
Benzene
Concen: 21.824 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Tgt Ion: 78 Resp: 122974
Ion Ratio Lower Upper
78 100
77 24.8 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

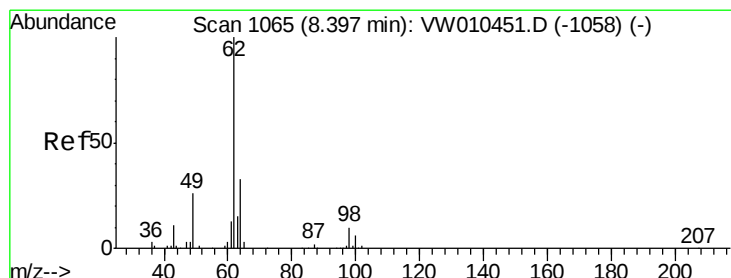
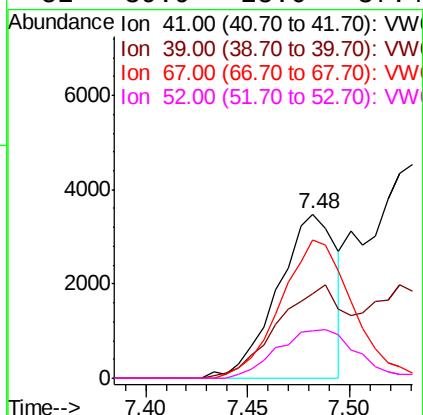
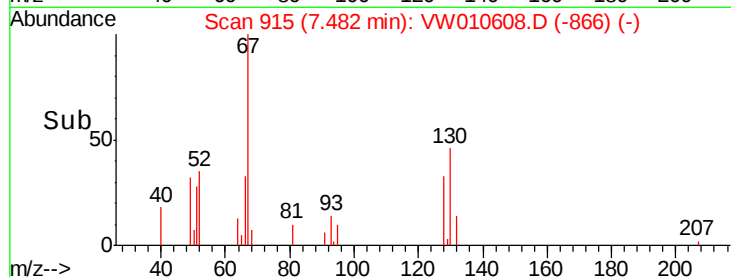
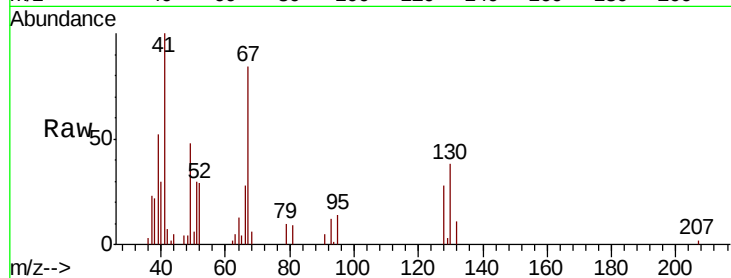




#41
Methacrylonitrile
Concen: 13.620 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

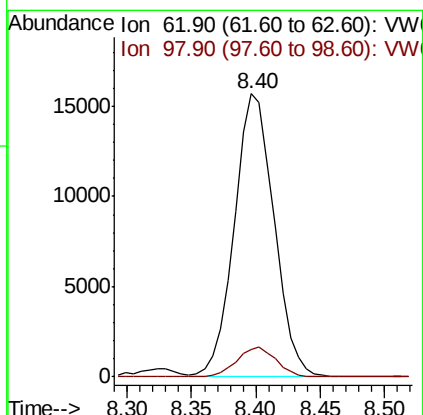
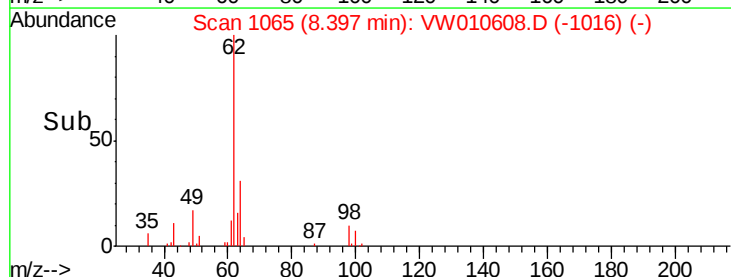
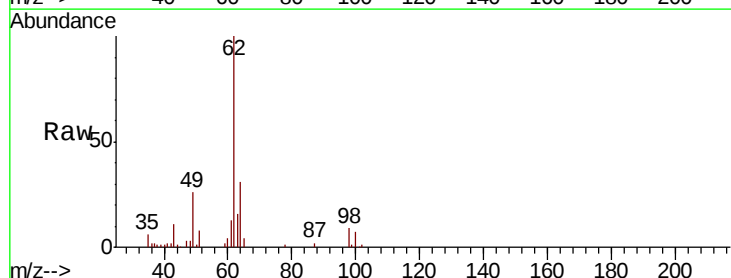
Instrument :
MSVOA_W
ClientSampleId :
VW0530SBS01

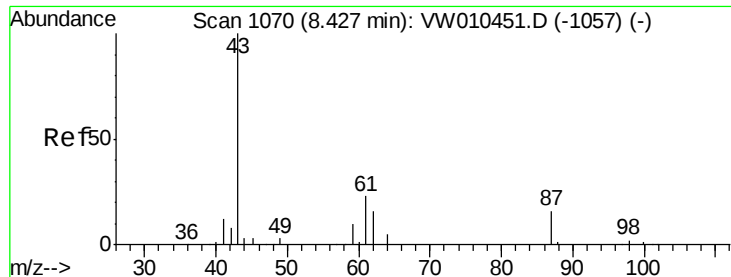
Tot Ion: 41 Resp: 6977
Ion Ratio Lower Upper
41 100
39 65.1 47.4 71.2
67 102.4 65.5 98.3#
52 39.9 25.0 37.4#



#42
1,2-Dichloroethane
Concen: 20.853 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Tgt Ion: 62 Resp: 33584
Ion Ratio Lower Upper
62 100
98 10.4 0.0 21.0





#43

Isopropyl Acetate

Concen: 17.020 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0530SBS01

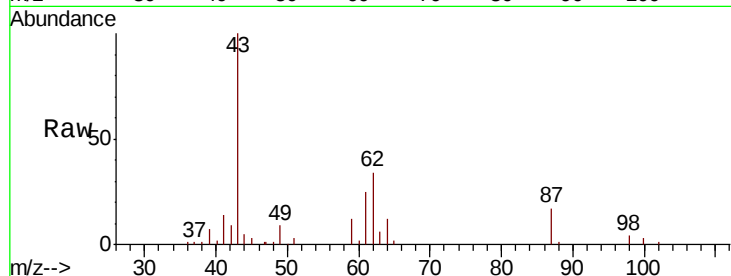
Tot Ion: 43 Resp: 29313

Ion Ratio Lower Upper

43 100

61 34.6 25.4 38.2

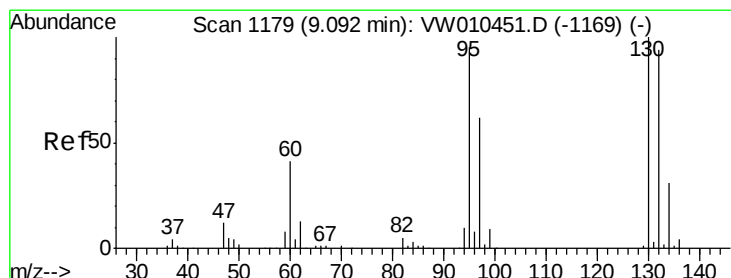
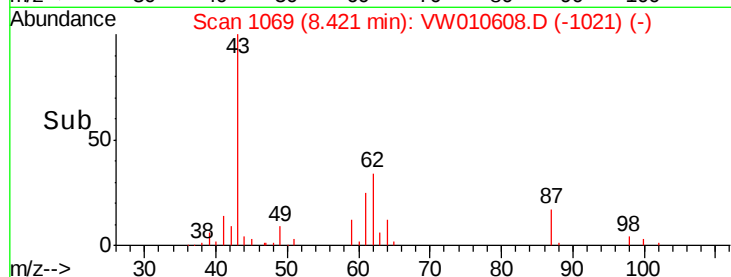
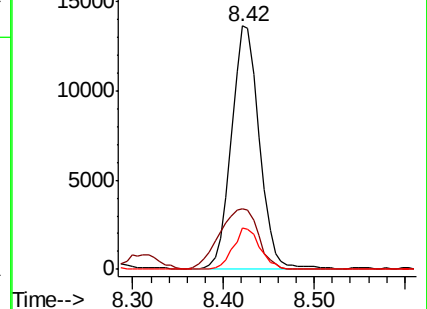
87 16.1 12.7 19.1



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: 22.349 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010608.D

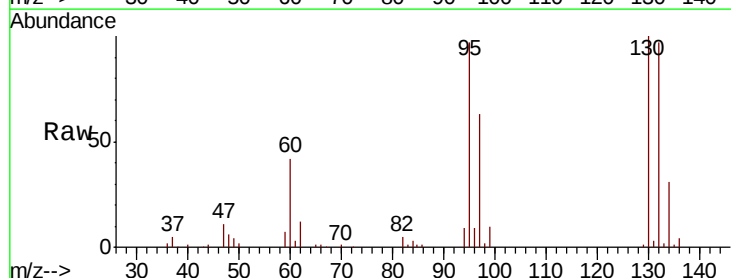
Acq: 30 May 2019 11:56

Tgt Ion: 130 Resp: 37387

Ion Ratio Lower Upper

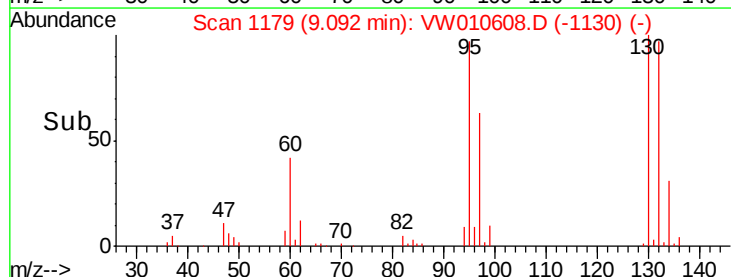
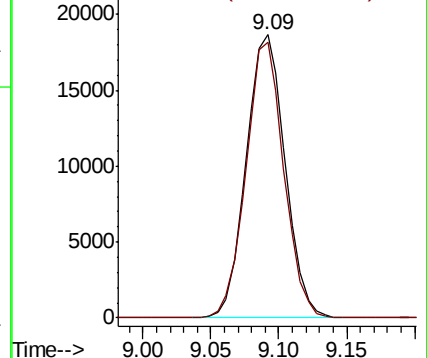
130 100

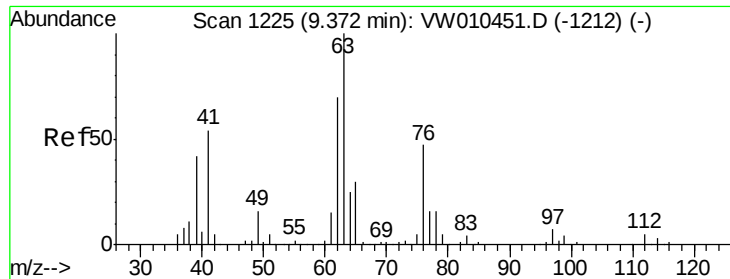
95 97.5 0.0 189.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

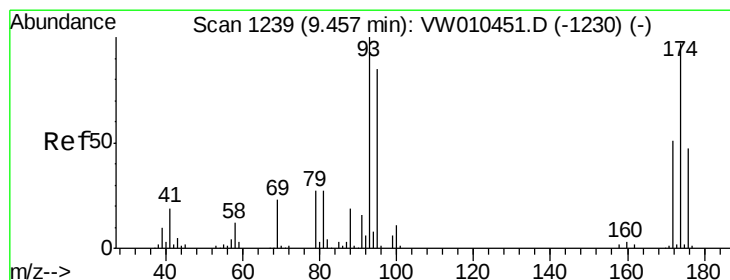
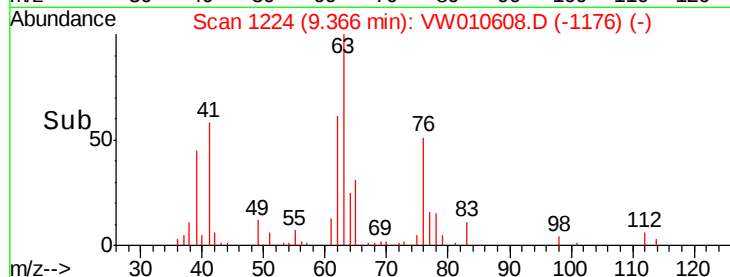
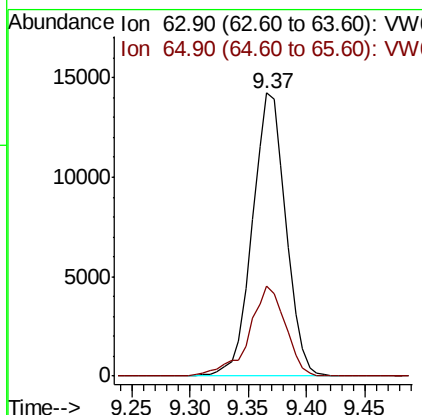
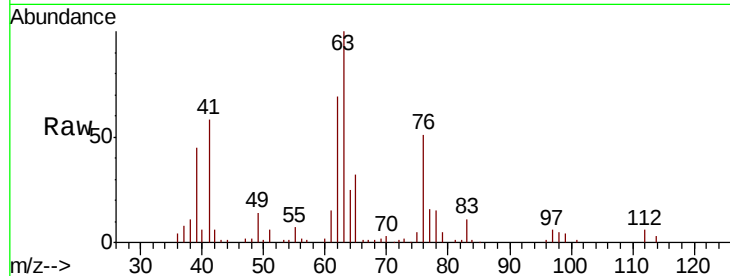




#45
 1,2-Dichloropropane
 Concen: 21.180 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW010608.D
 Acq: 30 May 2019 11:56

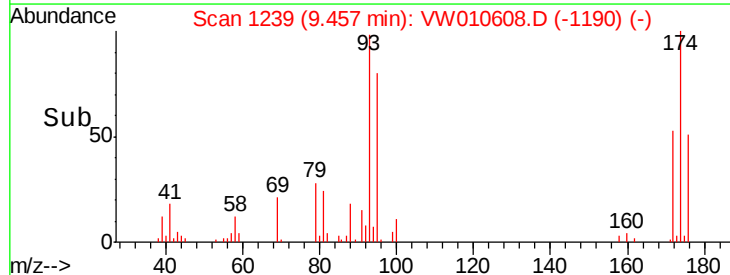
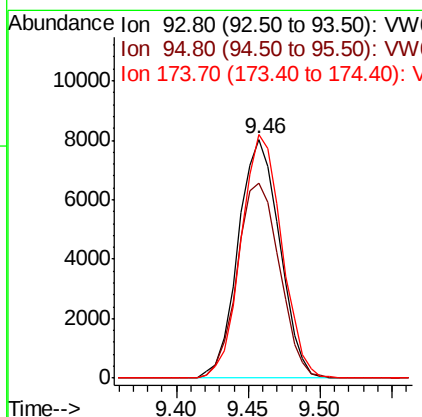
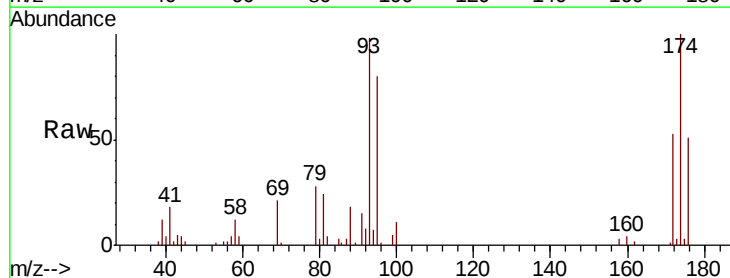
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0530SBS01

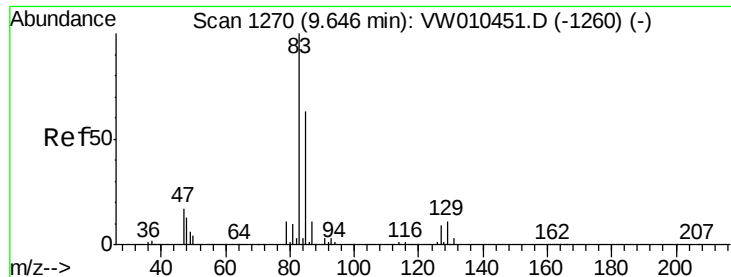
Tot Ion: 63 Resp: 28344
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.3 36.5



#46
 Dibromomethane
 Concen: 20.446 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010608.D
 Acq: 30 May 2019 11:56

Tgt Ion: 93 Resp: 16002
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.1 99.1
 174 100.1 77.1 115.7





#47

Bromodichloromethane

Concen: 20.553 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0530SBS01

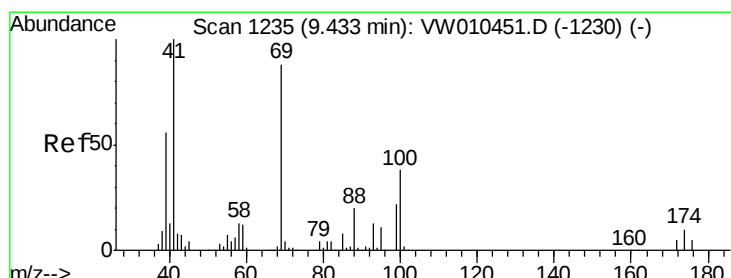
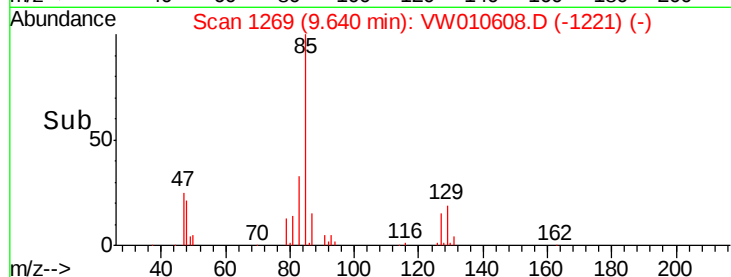
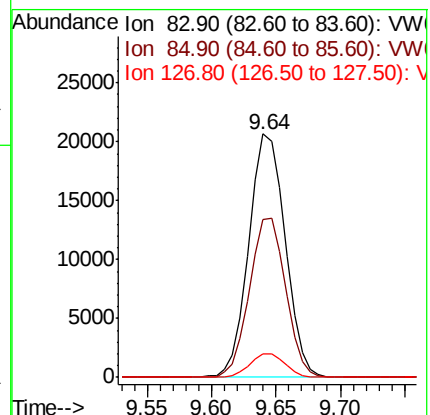
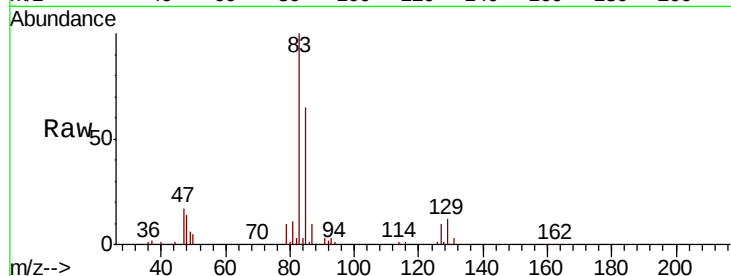
Tot Ion: 83 Resp: 40422

Ion Ratio Lower Upper

83 100

85 65.0 50.4 75.6

127 9.8 7.4 11.0



#48

Methyl methacrylate

Concen: 16.694 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

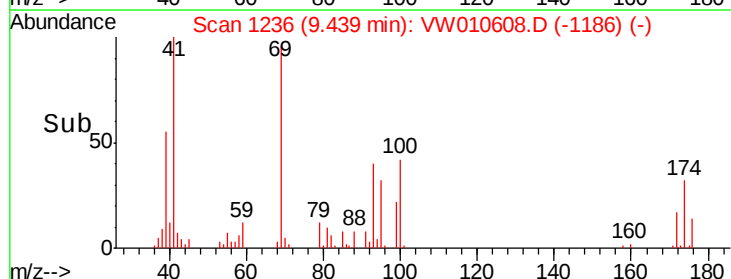
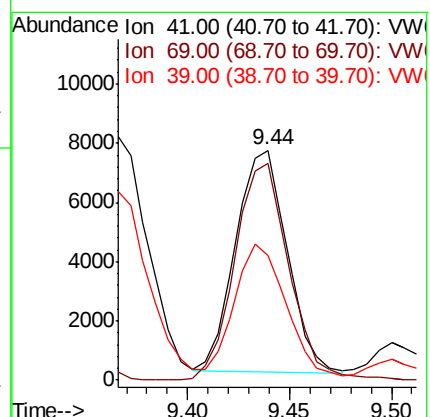
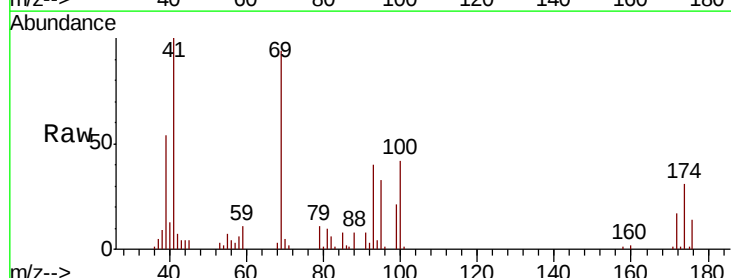
Tgt Ion: 41 Resp: 13154

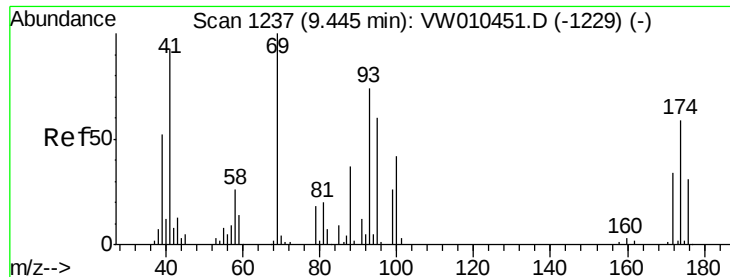
Ion Ratio Lower Upper

41 100

69 102.8 77.6 116.4

39 58.1 49.8 74.8

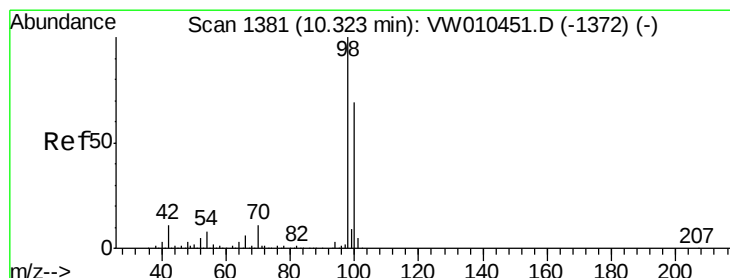
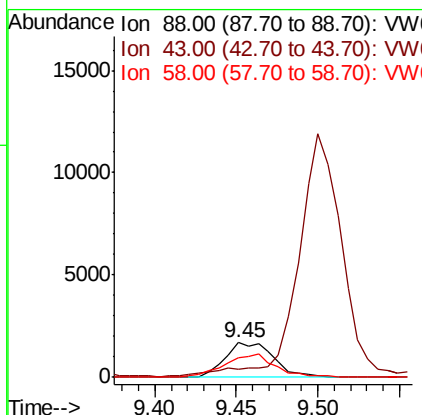
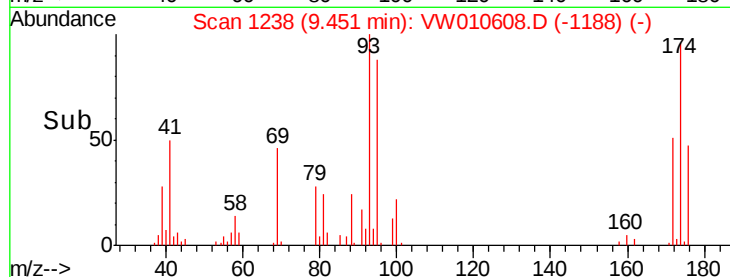
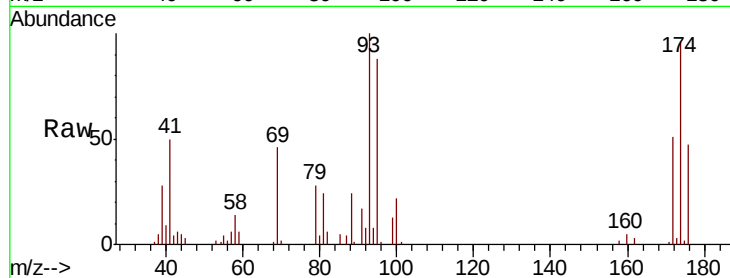




#49
1,4-Dioxane
Concen: 277.201 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

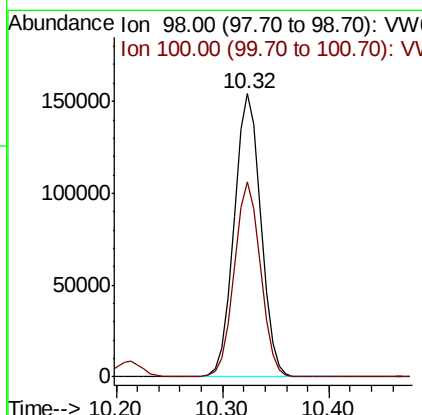
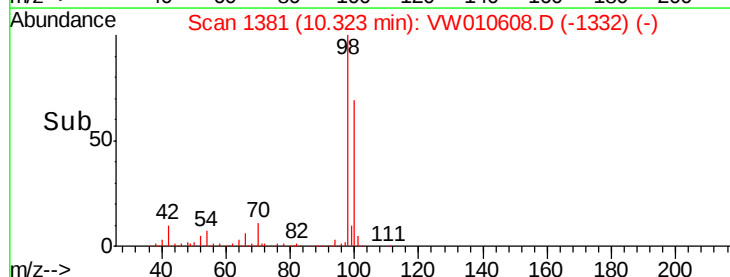
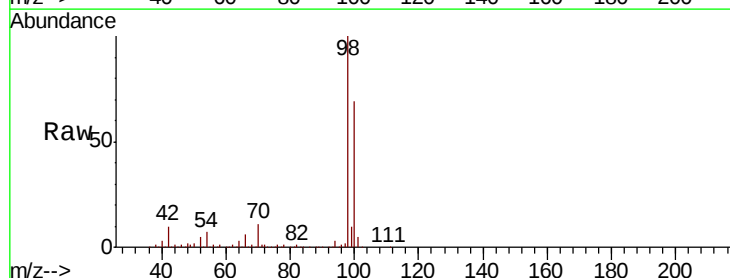
Instrument :
MSVOA_W
ClientSampleId :
VW0530SBS01

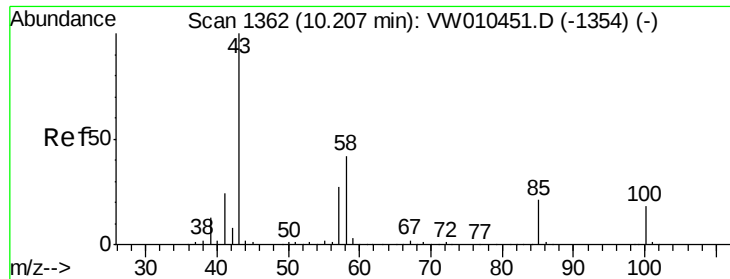
Tot Ion: 88 Resp: 3544
Ion Ratio Lower Upper
88 100
43 0.0 25.9 38.9#
58 69.3 52.7 79.1



#50
Toluene-d8
Concen: 53.754 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Tgt Ion: 98 Resp: 271173
Ion Ratio Lower Upper
98 100
100 67.9 53.7 80.5





#51

4-Methyl-2-Pentanone

Concen: 85.929 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

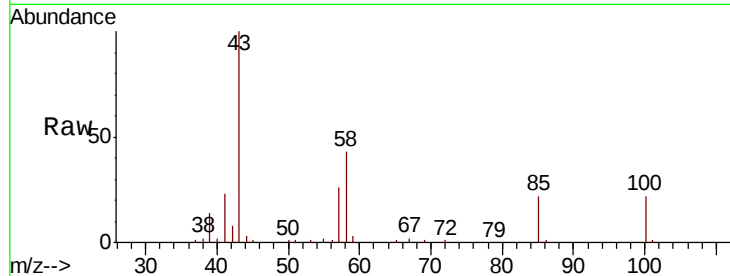
VW0530SBS01

Tot Ion: 43 Resp: 74993

Ion Ratio Lower Upper

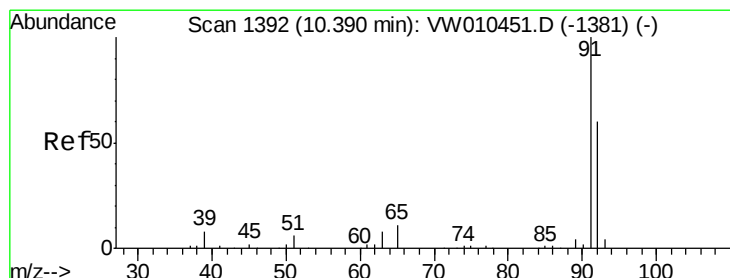
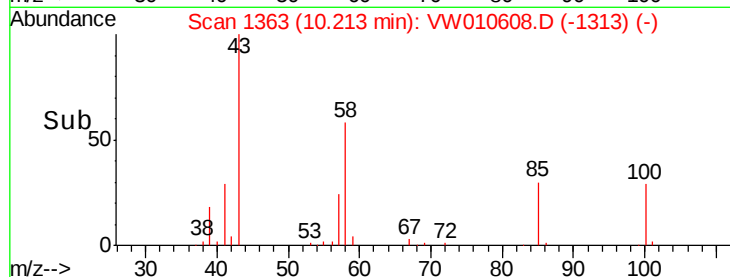
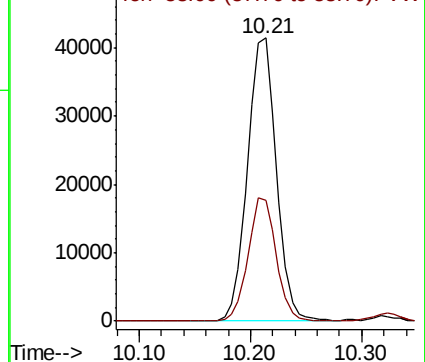
43 100

58 42.1 33.2 49.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 22.159 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010608.D

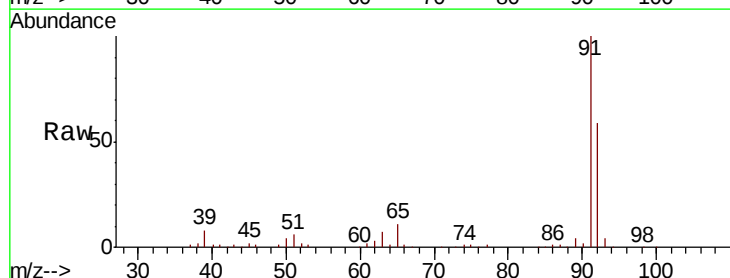
Acq: 30 May 2019 11:56

Tgt Ion: 92 Resp: 83854

Ion Ratio Lower Upper

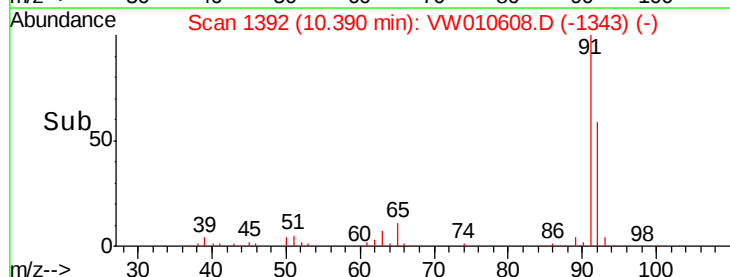
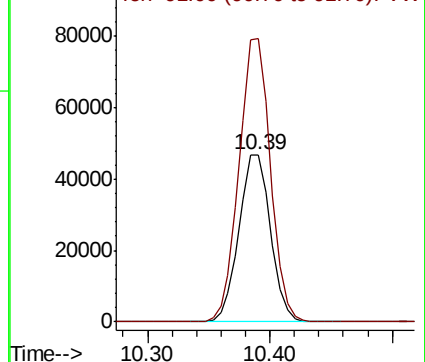
92 100

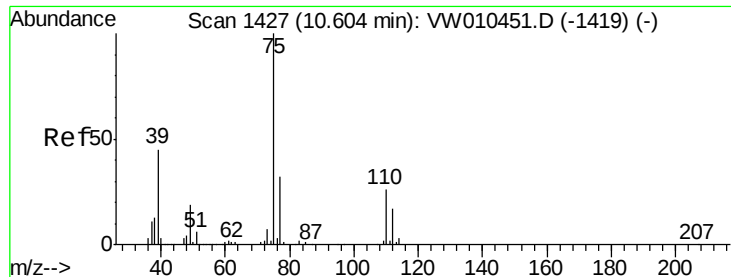
91 168.3 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 19.132 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

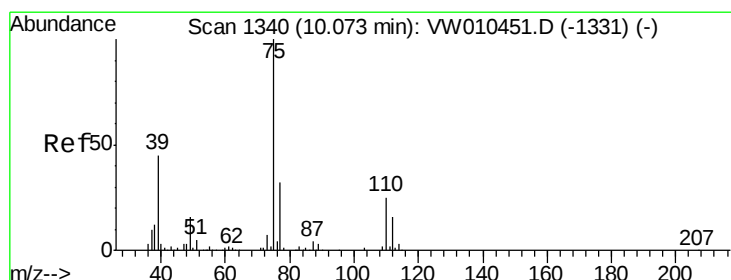
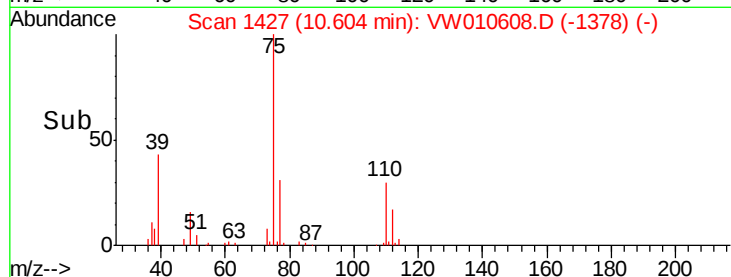
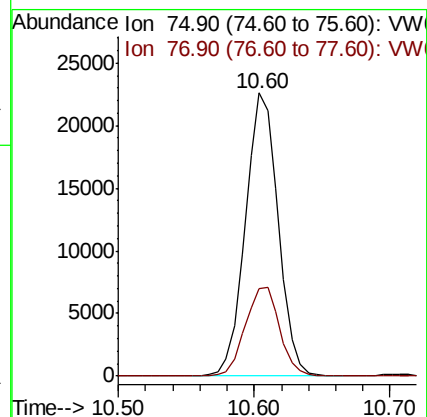
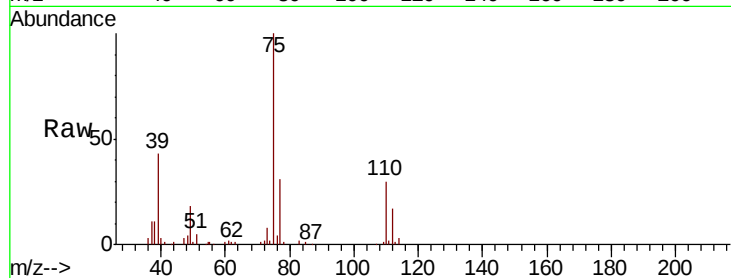
VW0530SBS01

Tot Ion: 75 Resp: 38109

Ion Ratio Lower Upper

75 100

77 31.0 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 20.457 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

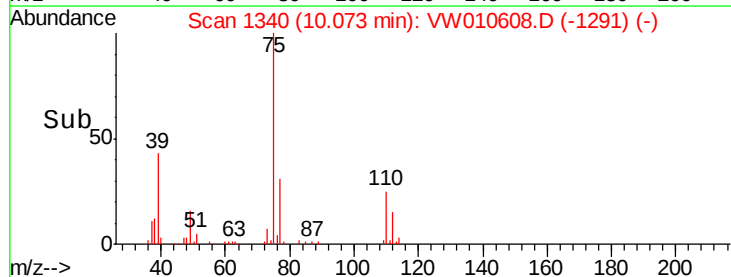
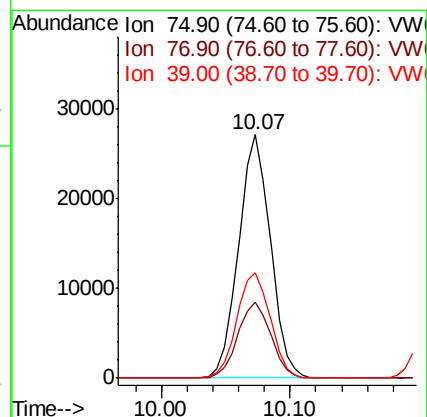
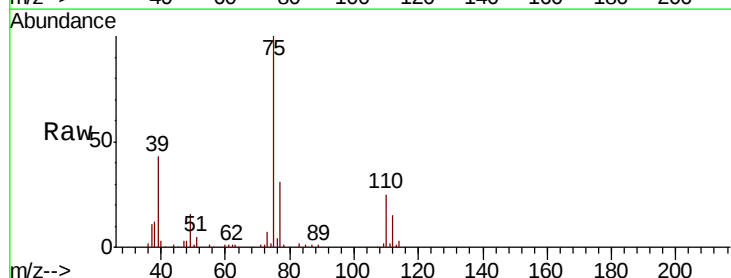
Tgt Ion: 75 Resp: 46536

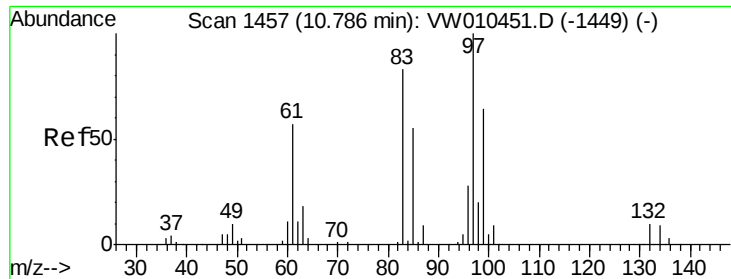
Ion Ratio Lower Upper

75 100

77 31.4 25.7 38.5

39 43.3 36.2 54.4

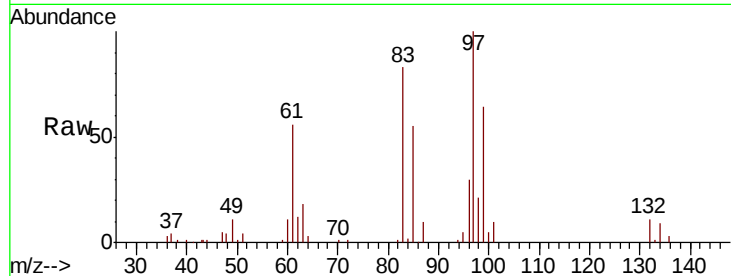




#55
 1,1,2-Trichloroethane
 Concen: 20.859 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010608.D
 Acq: 30 May 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0530SBS01

Tot Ion:	97	Resp:	23476
Ion	Ratio	Lower	Upper
97	100		
83	83.0	66.1	99.1
85	54.7	44.2	66.4
99	63.7	51.1	76.7



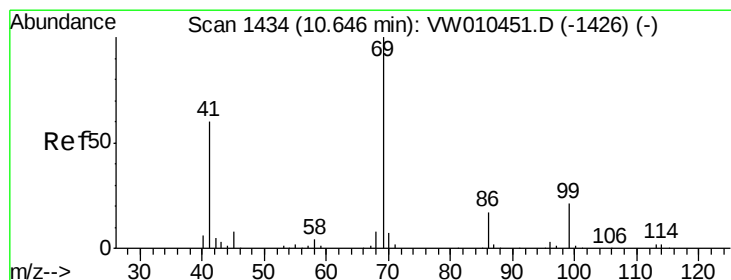
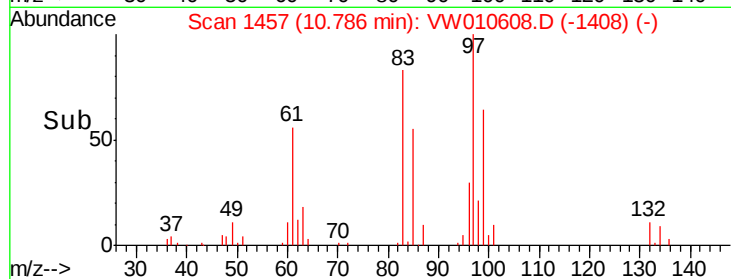
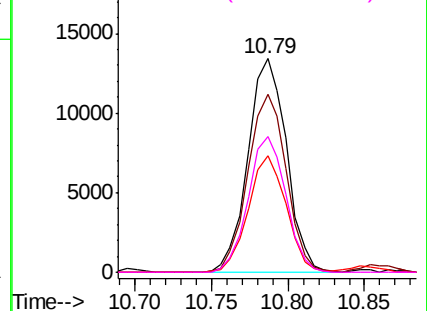
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

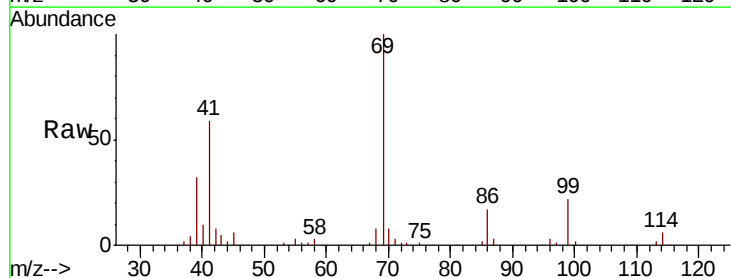
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 17.855 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010608.D
 Acq: 30 May 2019 11:56

Tgt Ion:	69	Resp:	27714
Ion	Ratio	Lower	Upper
69	100		
41	59.2	47.7	71.5
39	31.0	25.3	37.9

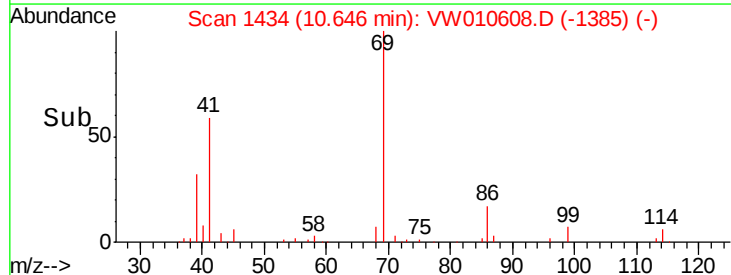
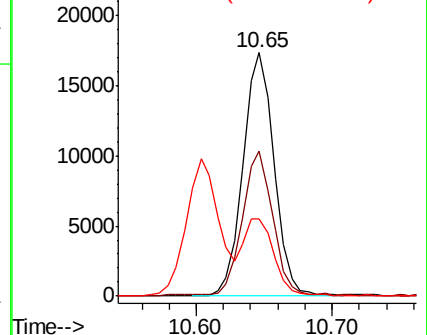


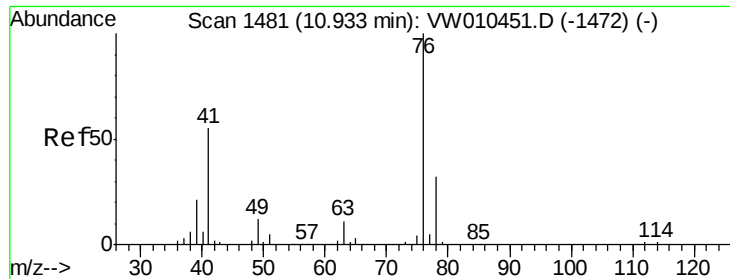
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

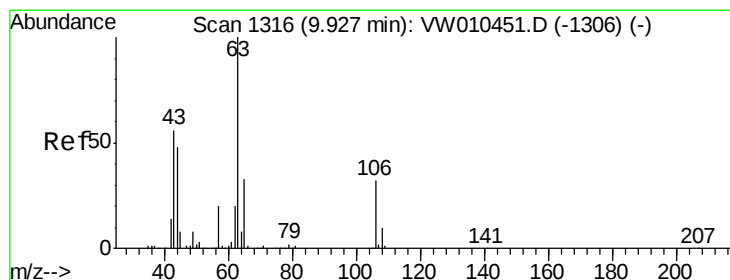
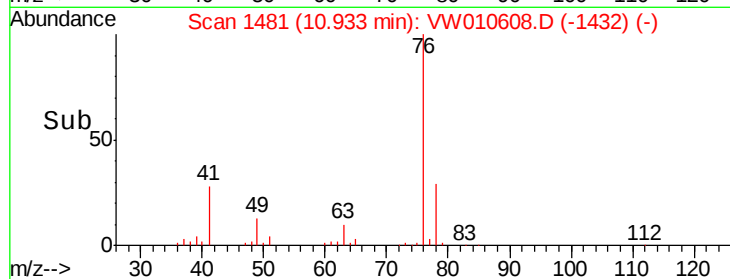
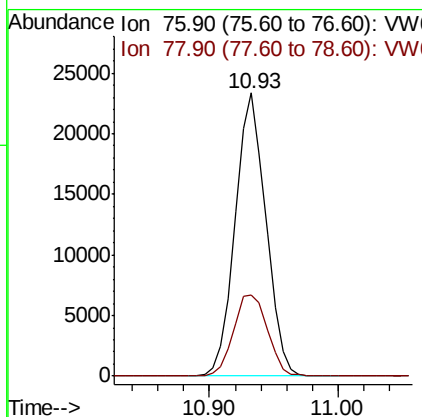
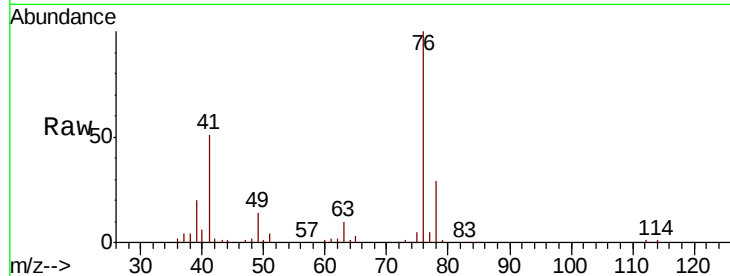




#57
 1,3-Dichloropropane
 Concen: 20.479 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010608.D
 Acq: 30 May 2019 11:56

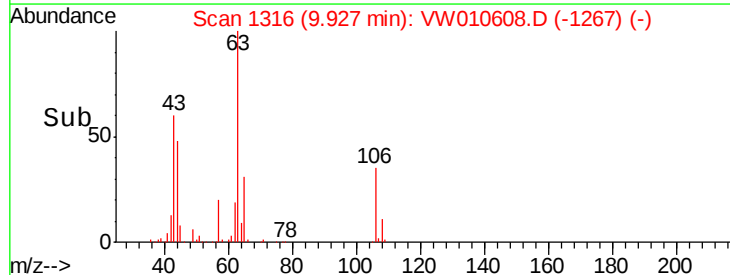
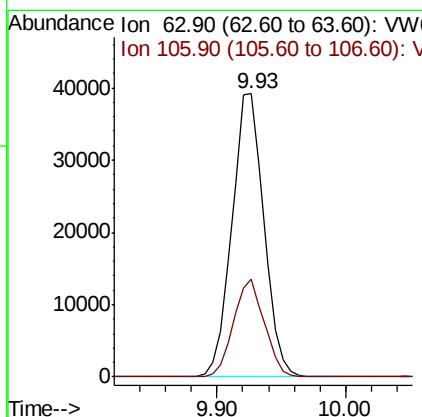
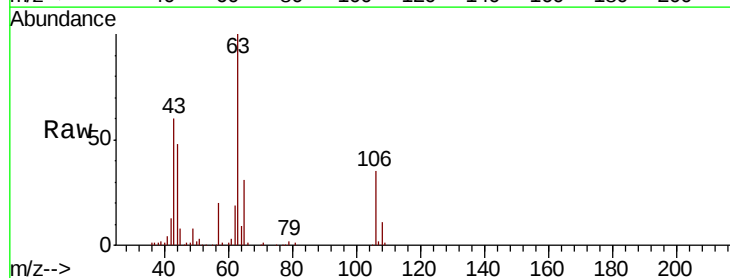
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0530SBS01

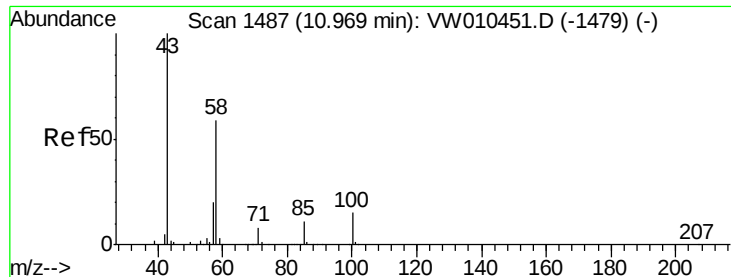
Tot Ion: 76 Resp: 38608
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.543 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW010608.D
 Acq: 30 May 2019 11:56

Tgt Ion: 63 Resp: 67749
 Ion Ratio Lower Upper
 63 100
 106 33.3 25.8 38.6

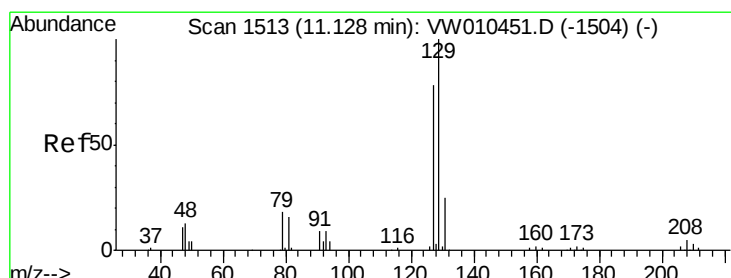
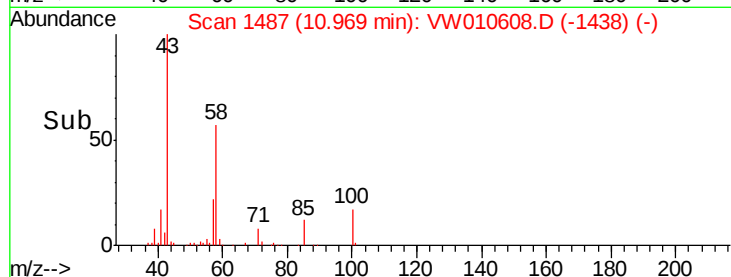
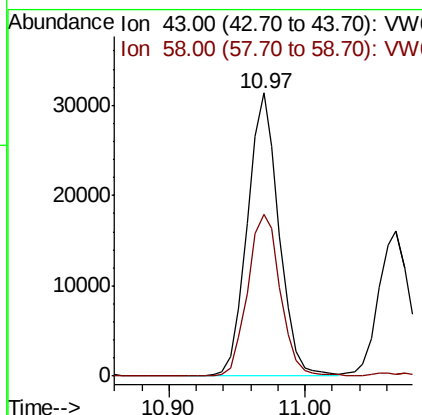
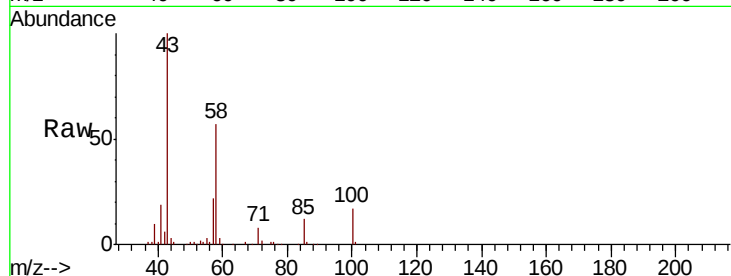




#59
2-Hexanone
Concen: 81.550 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

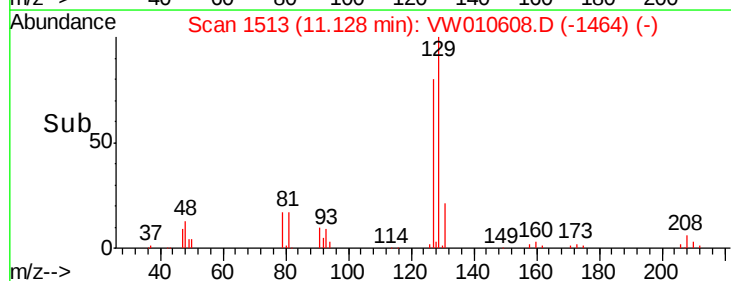
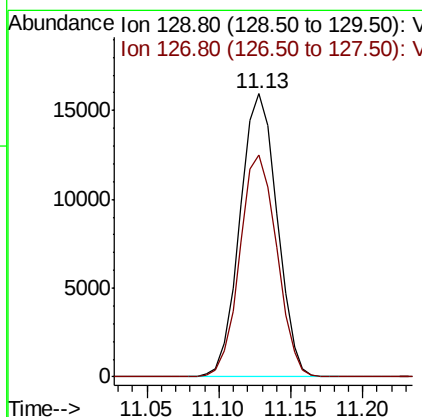
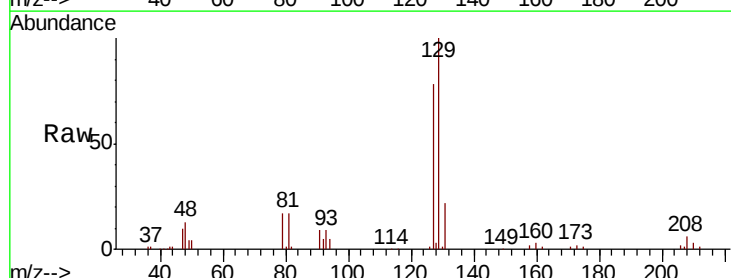
Instrument :
MSVOA_W
ClientSampleId :
VW0530SBS01

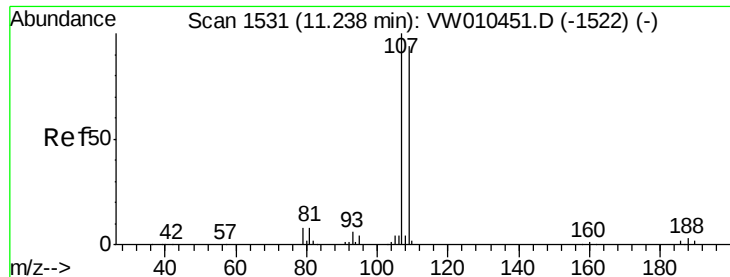
Tot Ion: 43 Resp: 50770
Ion Ratio Lower Upper
43 100
58 59.6 28.9 86.8



#60
Dibromochloromethane
Concen: 20.031 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Tgt Ion: 129 Resp: 28531
Ion Ratio Lower Upper
129 100
127 78.2 38.9 116.7

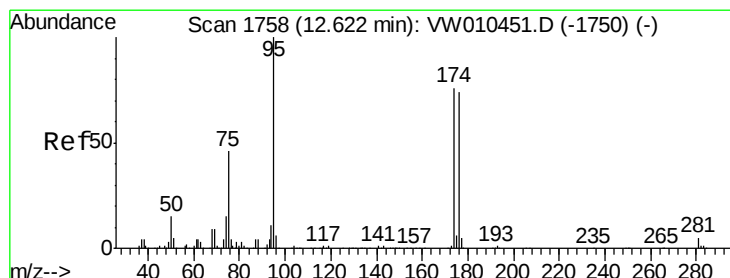
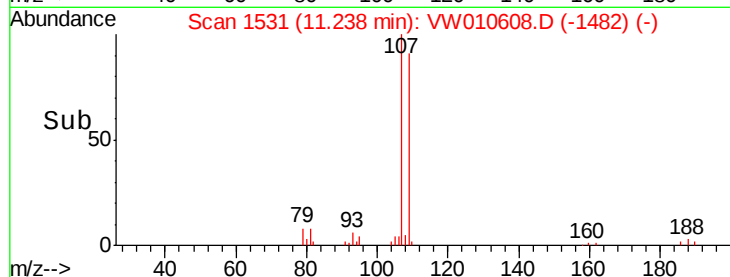
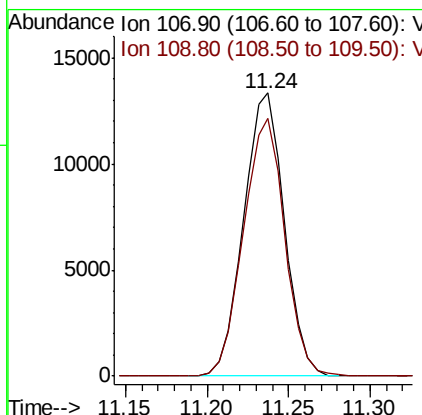
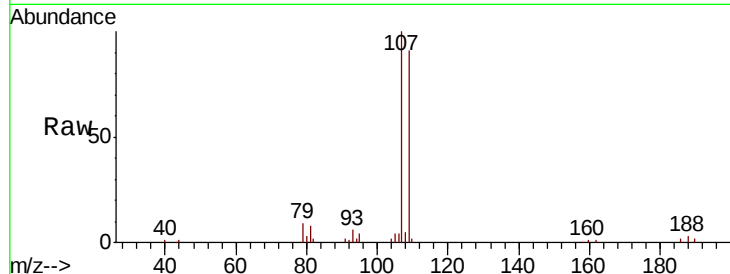




#61
 1,2-Dibromoethane
 Concen: 20.333 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010608.D
 Acq: 30 May 2019 11:56

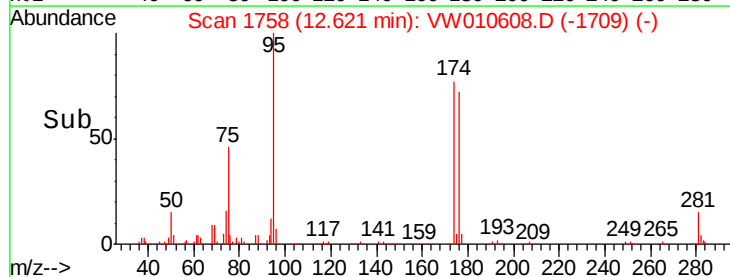
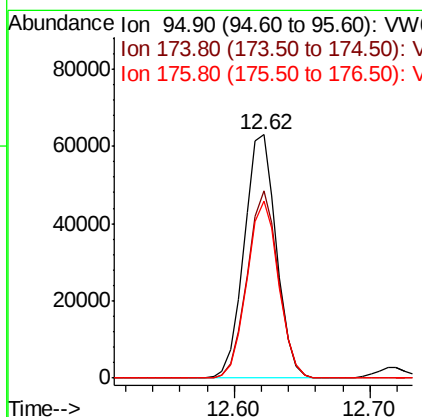
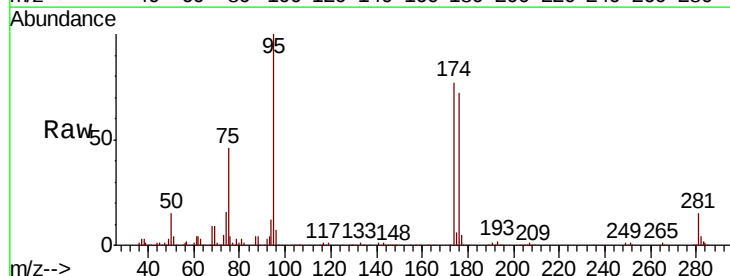
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0530SBS01

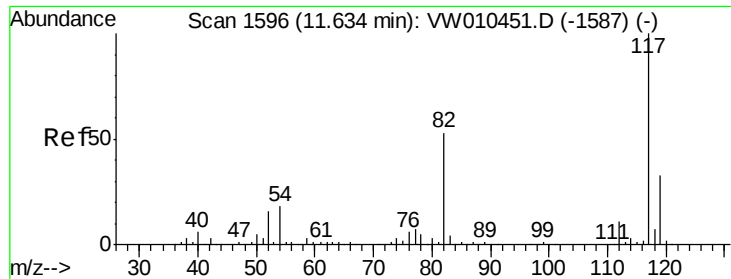
Tot Ion: 107 Resp: 23181
 Ion Ratio Lower Upper
 107 100
 109 92.4 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 51.753 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010608.D
 Acq: 30 May 2019 11:56

Tgt Ion: 95 Resp: 103992
 Ion Ratio Lower Upper
 95 100
 174 75.0 0.0 148.6
 176 72.0 0.0 144.2

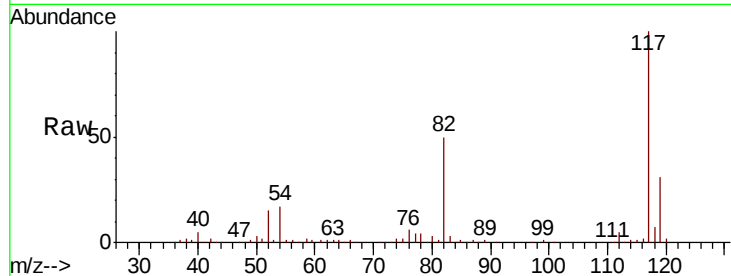




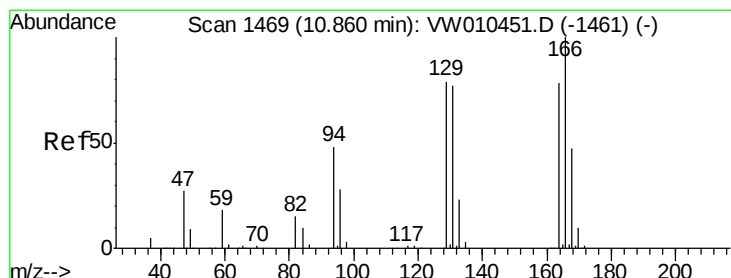
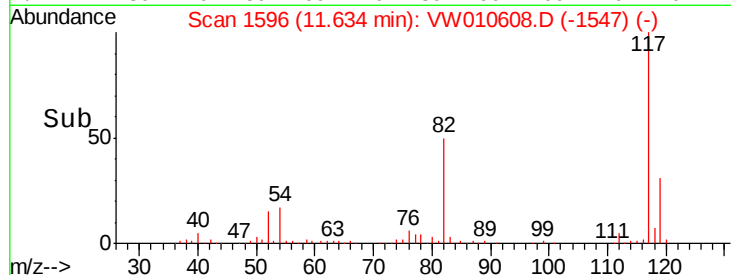
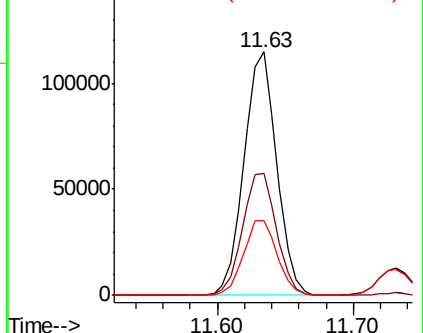
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0530SBS01

Tot Ion:117 Resp: 193103
Ion Ratio Lower Upper
117 100
82 50.3 42.8 64.2
119 30.9 26.3 39.5

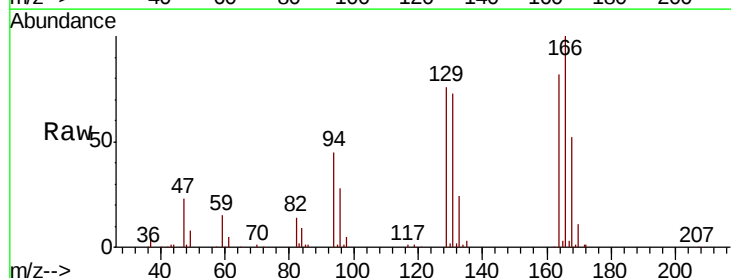


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

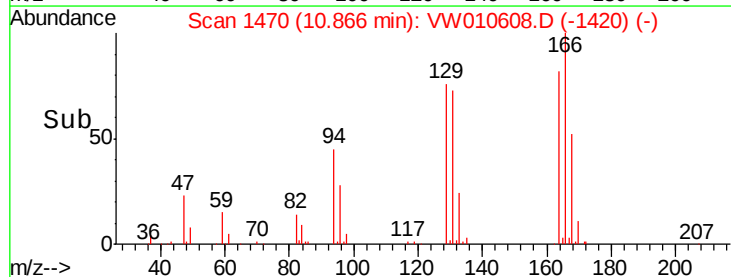
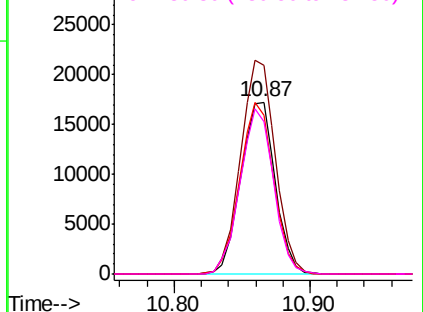


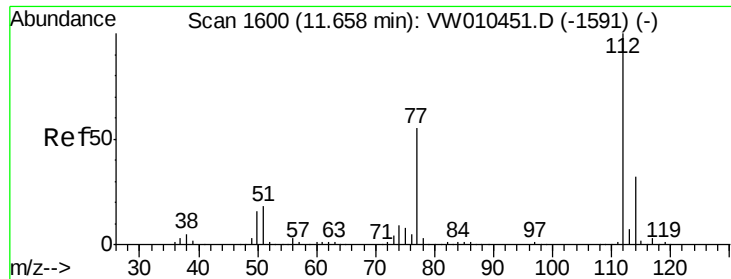
#64
Tetrachloroethene
Concen: 22.575 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Tgt Ion:164 Resp: 30388
Ion Ratio Lower Upper
164 100
166 121.3 101.9 152.9
129 92.3 80.6 121.0
131 88.9 78.2 117.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

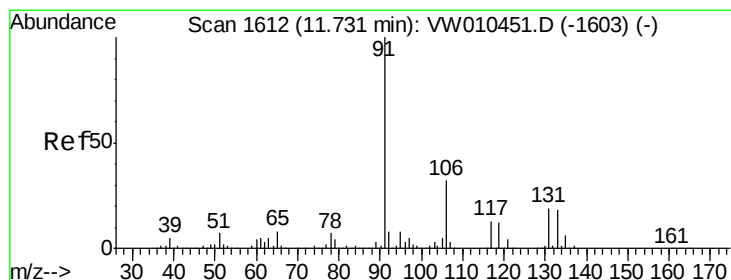
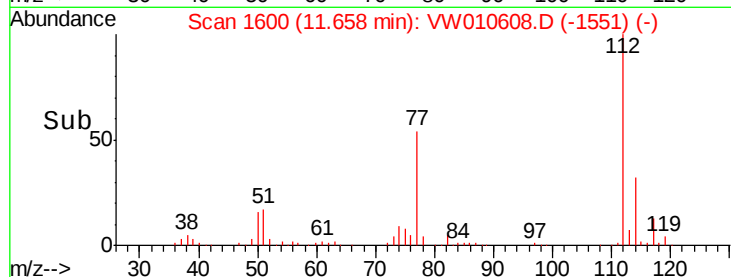
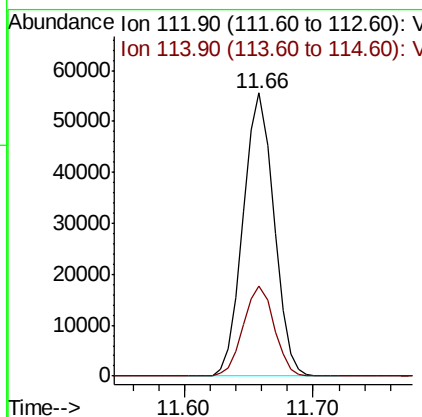
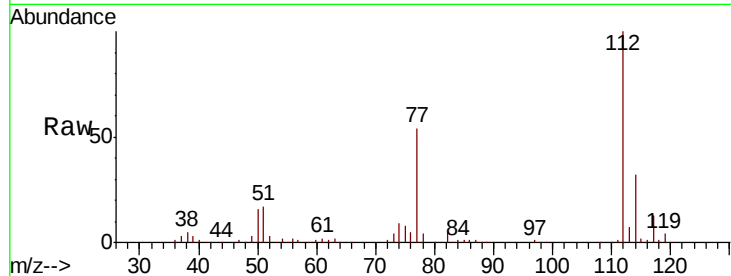




#65
Chlorobenzene
Concen: 22.320 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

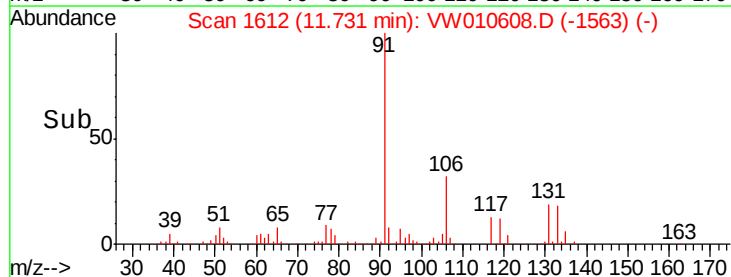
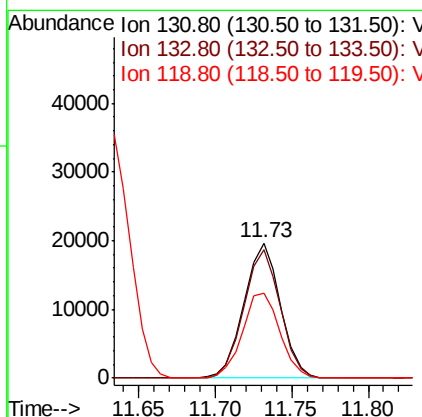
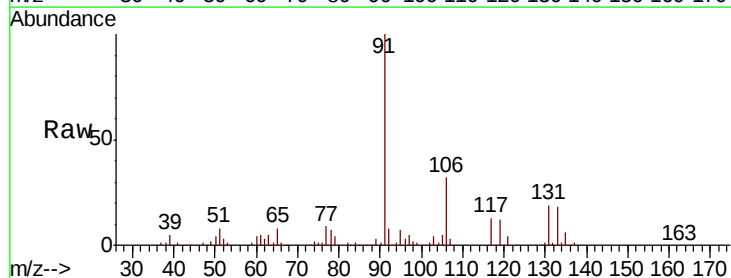
Instrument :
MSVOA_W
ClientSampleId :
VW0530SBS01

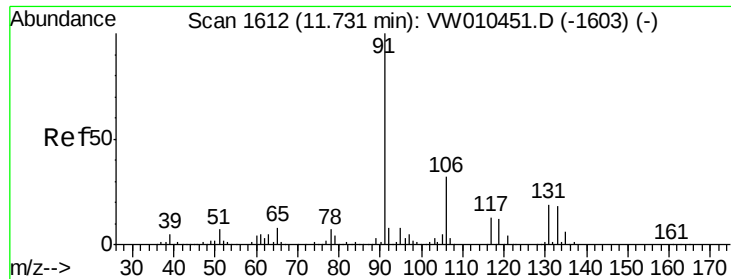
Tot Ion:112 Resp: 91856
Ion Ratio Lower Upper
112 100
114 31.6 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.953 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Tgt Ion:131 Resp: 32364
Ion Ratio Lower Upper
131 100
133 95.3 47.3 141.9
119 65.1 32.1 96.5

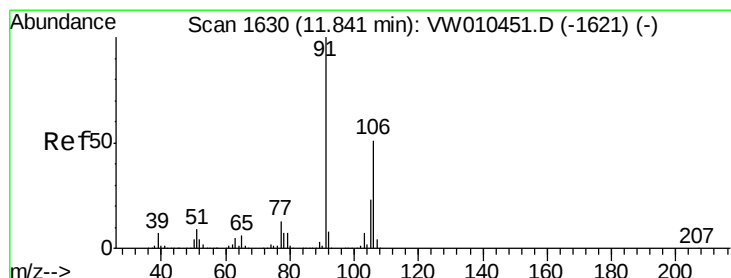
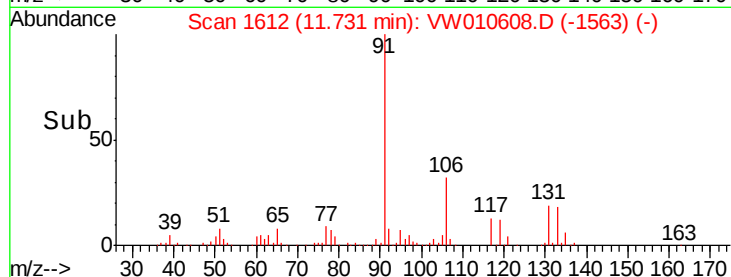
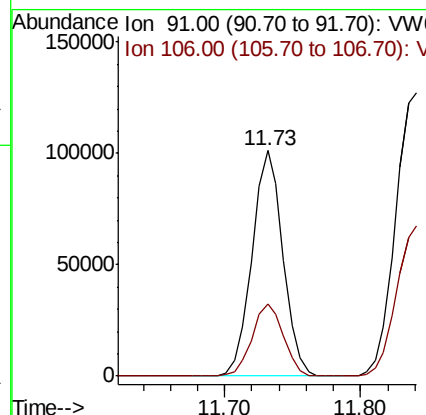
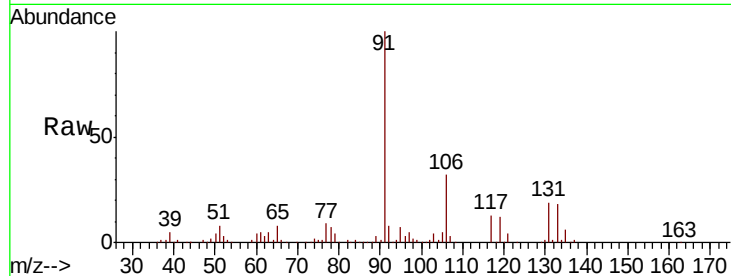




#67
Ethyl Benzene
Concen: 22.126 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

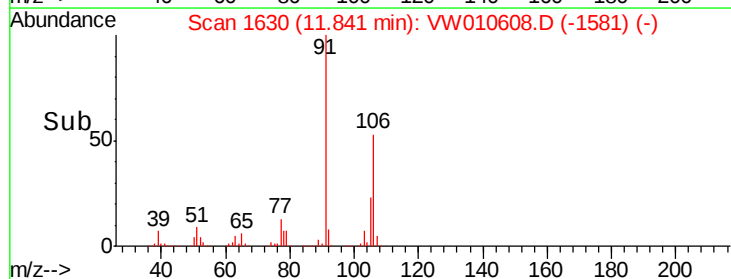
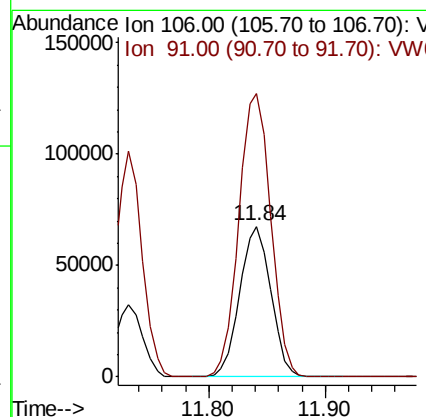
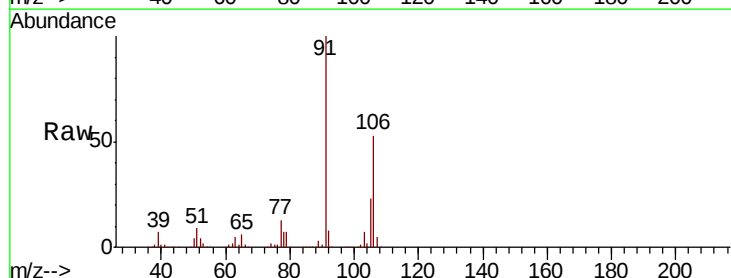
Instrument :
MSVOA_W
ClientSampleId :
VW0530SBS01

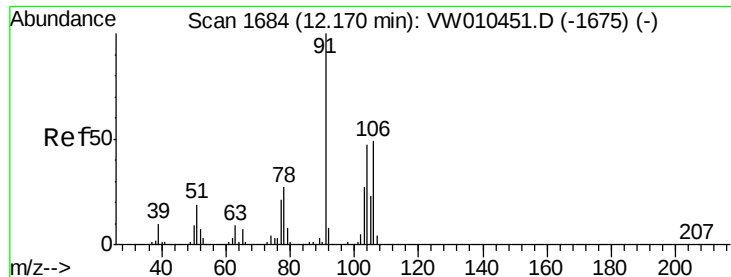
Tot Ion: 91 Resp: 160767
Ion Ratio Lower Upper
91 100
106 32.2 25.9 38.9



#68
m/p-Xylenes
Concen: 44.253 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Tgt Ion:106 Resp: 126119
Ion Ratio Lower Upper
106 100
91 193.1 156.0 234.0

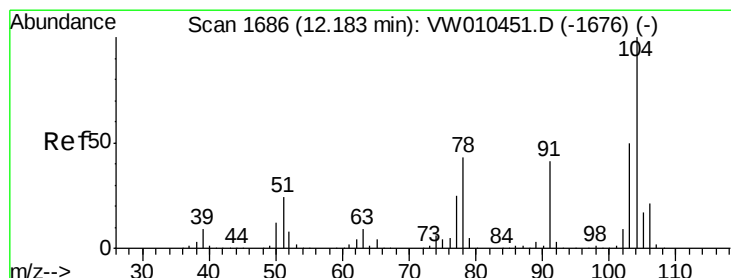
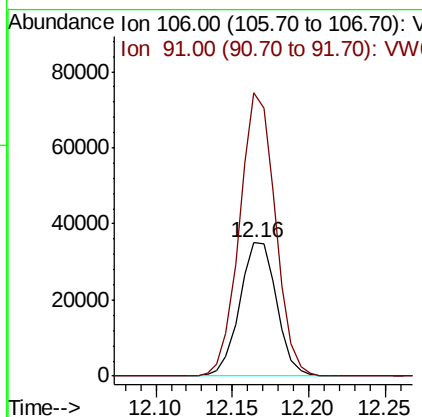
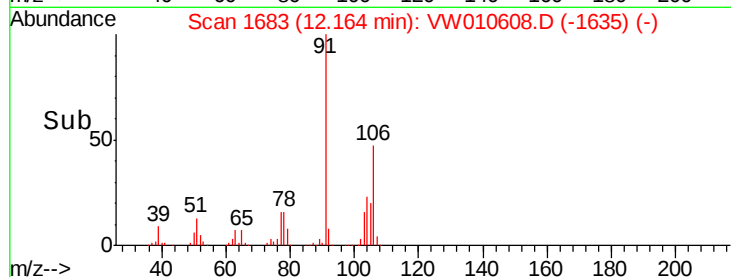
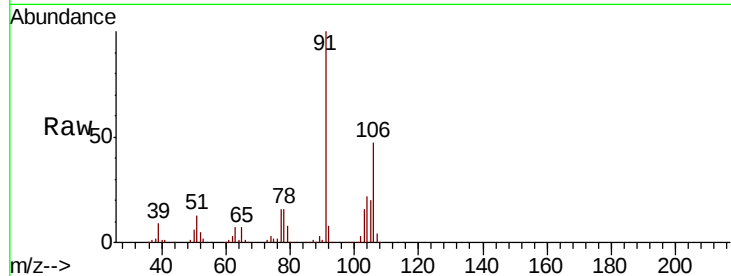




#69
o-Xylene
Concen: 21.758 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

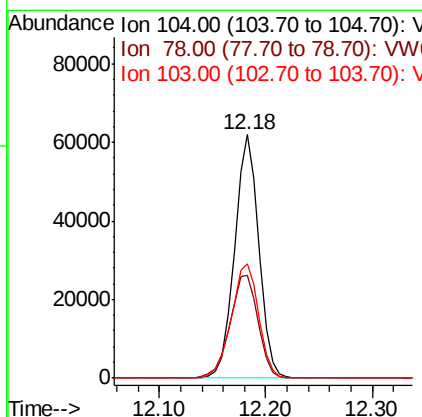
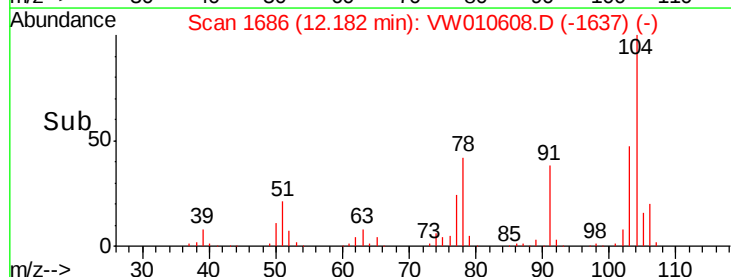
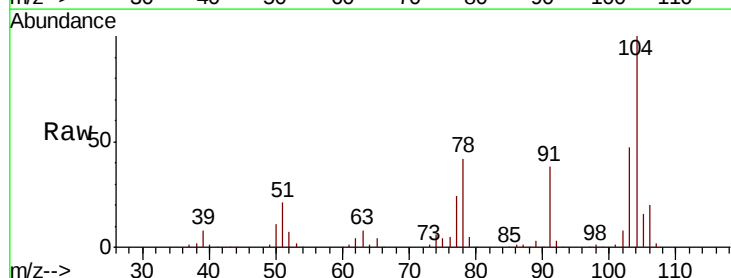
Instrument :
MSVOA_W
ClientSampleID :
VW0530SBS01

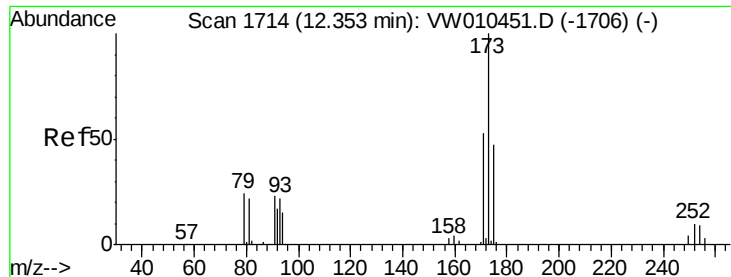
Tot Ion:106 Resp: 58752
Ion Ratio Lower Upper
106 100
91 205.7 103.2 309.4



#70
Styrene
Concen: 21.543 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Tgt Ion:104 Resp: 98700
Ion Ratio Lower Upper
104 100
78 48.9 39.0 58.4
103 53.0 43.0 64.6





#71

Bromoform

Concen: 18.380 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0530SBS01

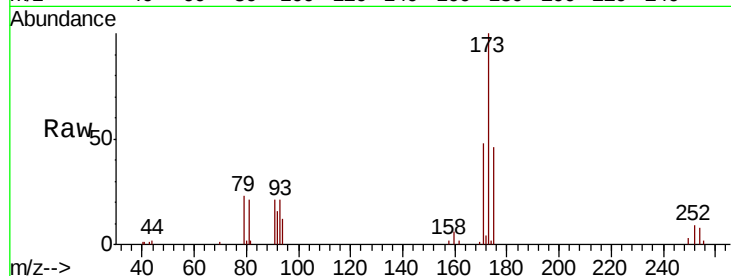
Tot Ion:173 Resp: 14922

Ion Ratio Lower Upper

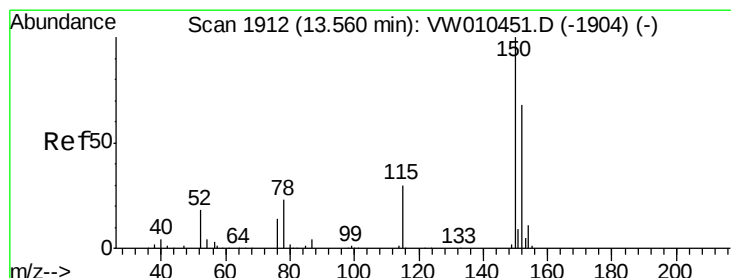
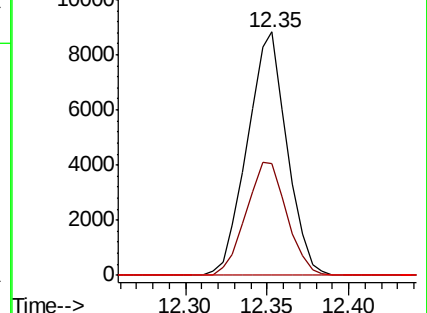
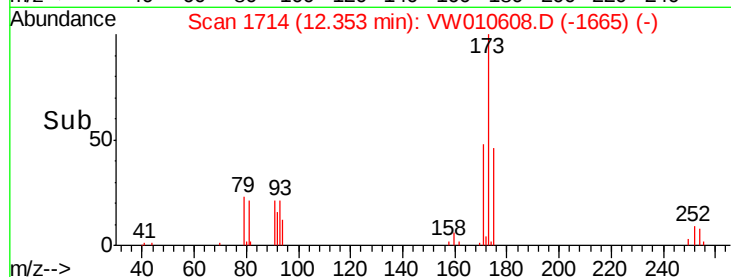
173 100

175 47.6 24.4 73.4

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

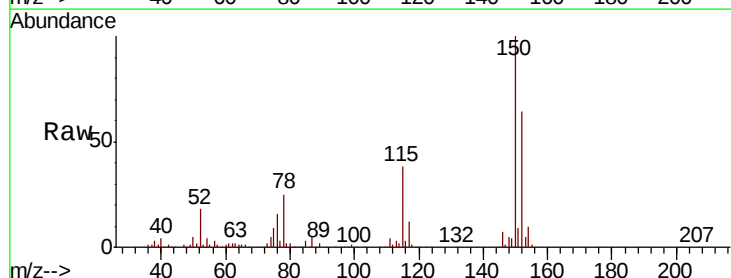
Tgt Ion:152 Resp: 93364

Ion Ratio Lower Upper

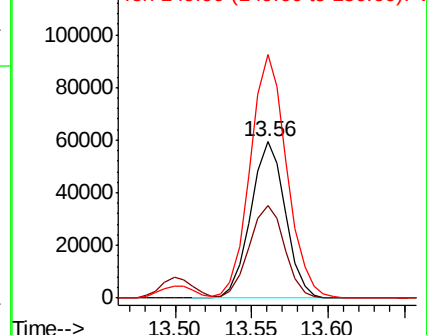
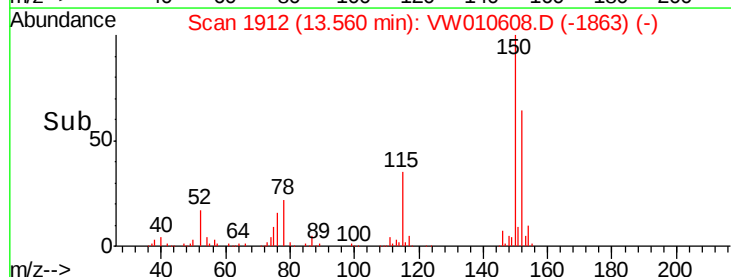
152 100

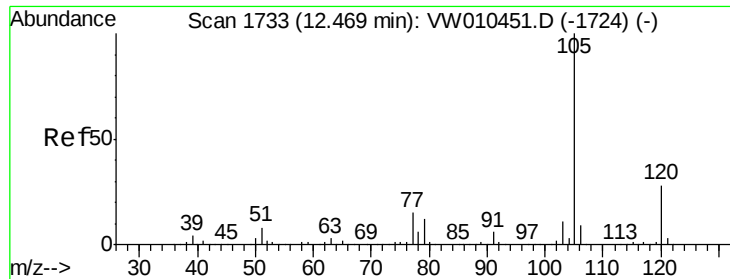
115 60.9 30.3 91.0

150 164.5 0.0 349.8



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





#73

Isopropylbenzene

Concen: 22.046 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

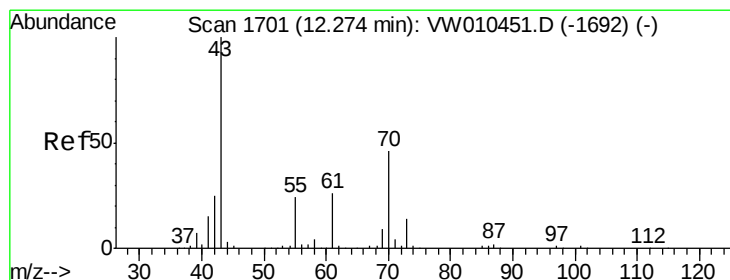
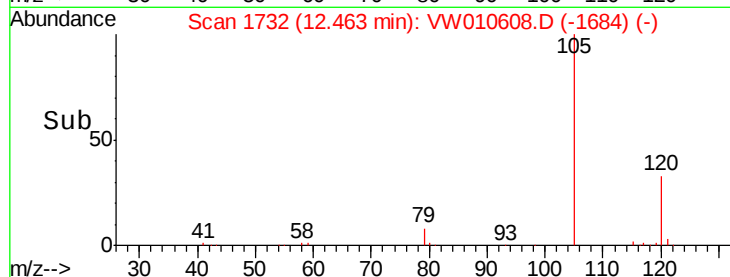
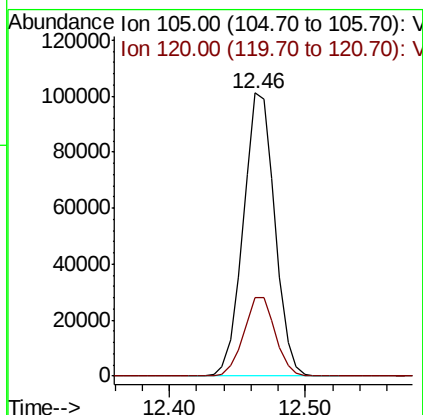
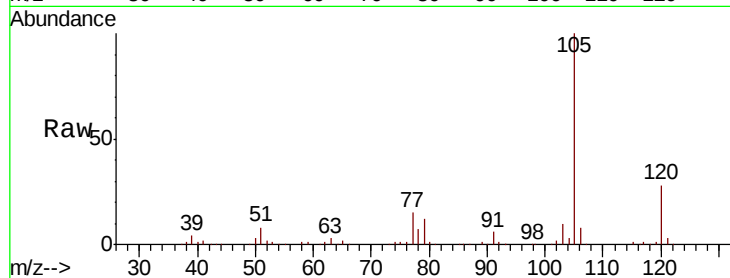
VW0530SBS01

Tot Ion:105 Resp: 163332

Ion Ratio Lower Upper

105 100

120 27.8 13.9 41.7



#74

N-ethyl acetate

Concen: 16.012 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Tgt Ion: 43 Resp: 27184

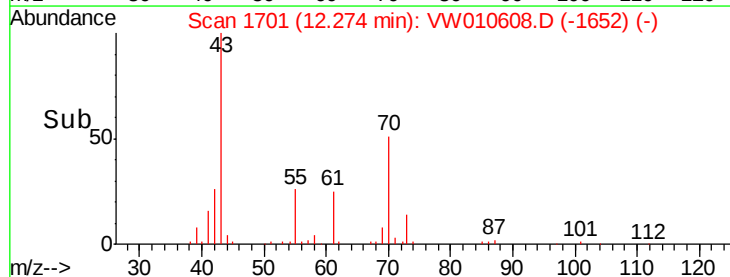
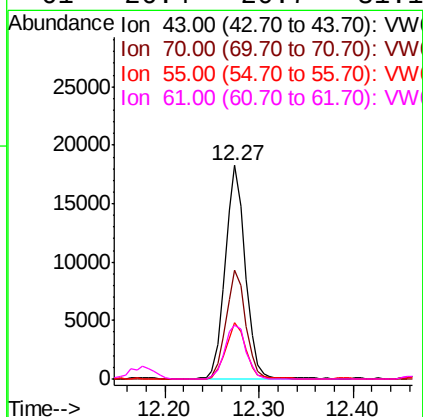
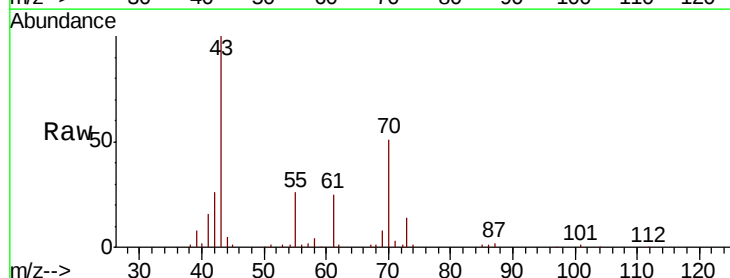
Ion Ratio Lower Upper

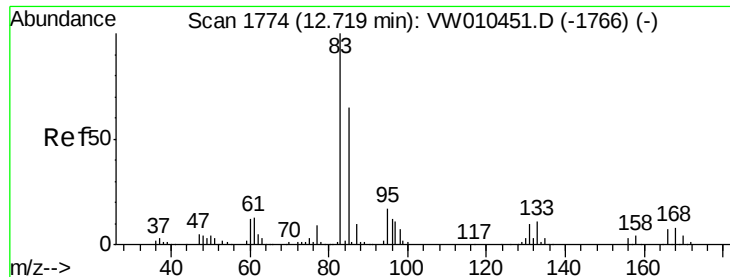
43 100

70 49.8 37.1 55.7

55 26.6 19.6 29.4

61 26.4 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 18.588 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0530SBS01

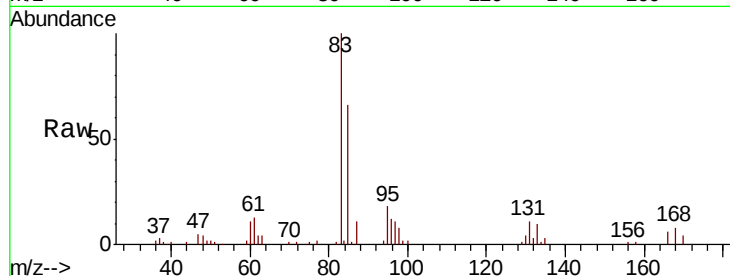
Tot Ion: 83 Resp: 25049

Ion Ratio Lower Upper

83 100

131 11.7 5.6 16.8

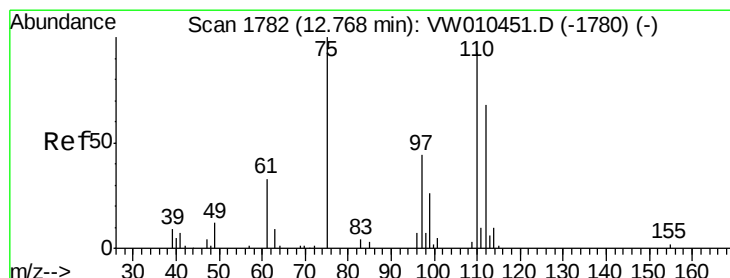
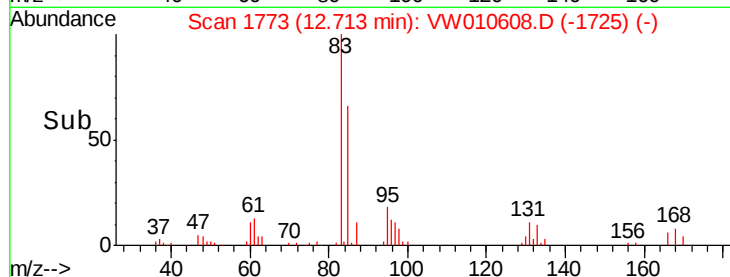
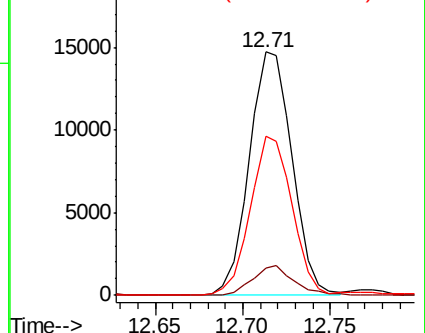
85 63.8 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 33.214 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010608.D

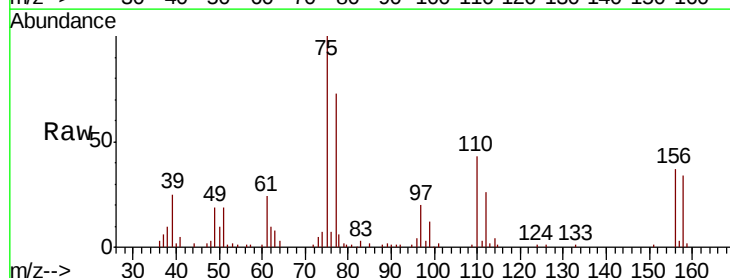
Acq: 30 May 2019 11:56

Tgt Ion: 75 Resp: 31477

Ion Ratio Lower Upper

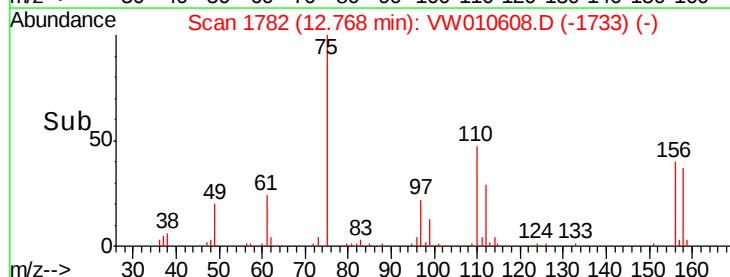
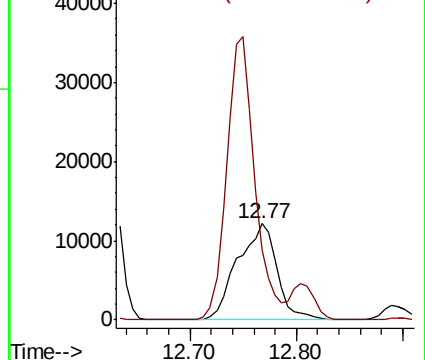
75 100

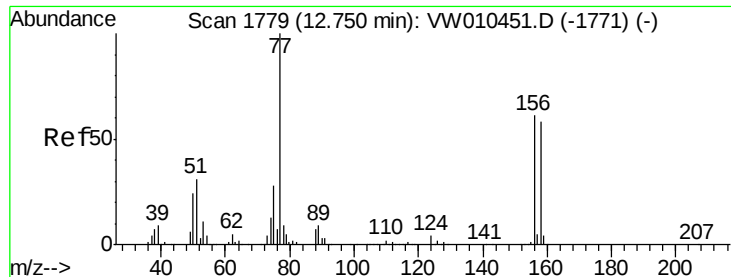
77 209.0 170.0 510.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 22.819 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0530SBS01

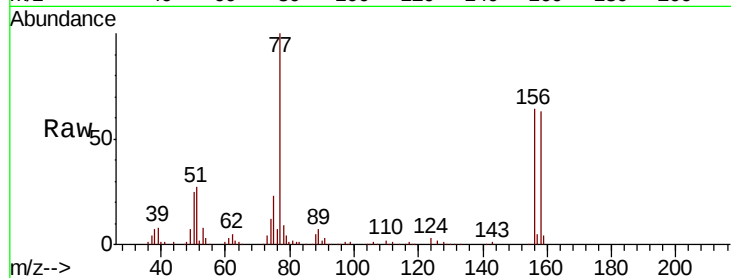
Tot Ion:156 Resp: 37833

Ion Ratio Lower Upper

156 100

77 173.9 92.4 277.2

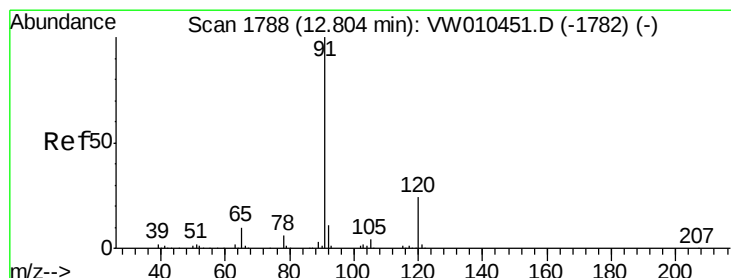
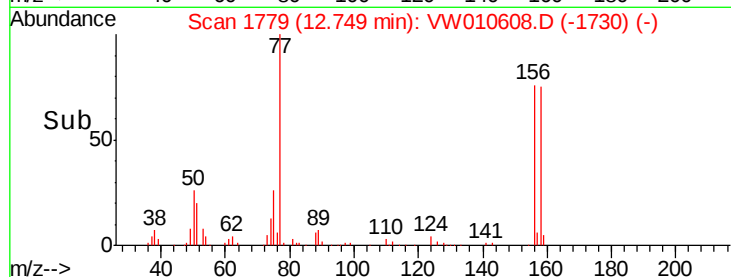
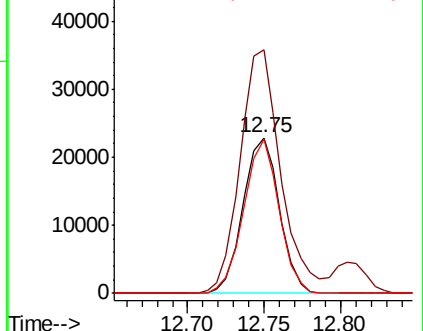
158 95.9 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.738 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010608.D

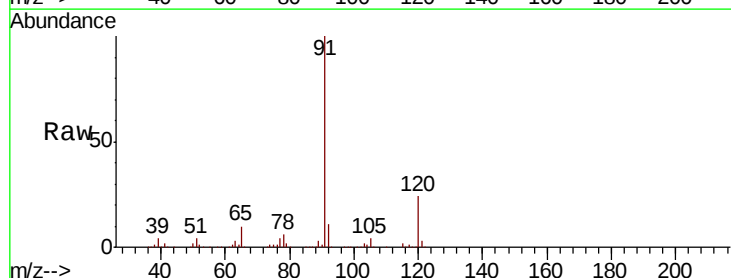
Acq: 30 May 2019 11:56

Tgt Ion: 91 Resp: 187688

Ion Ratio Lower Upper

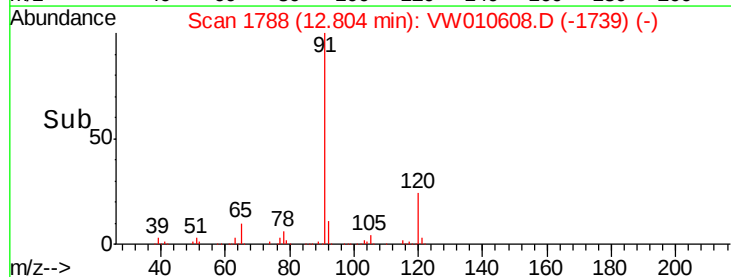
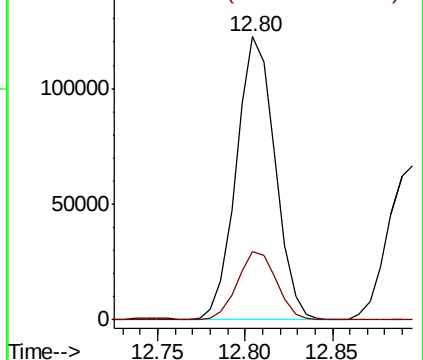
91 100

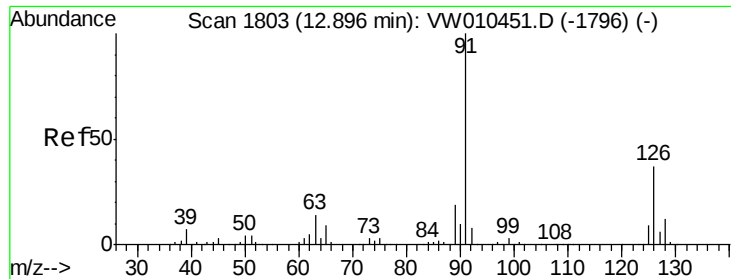
120 24.4 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.560 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

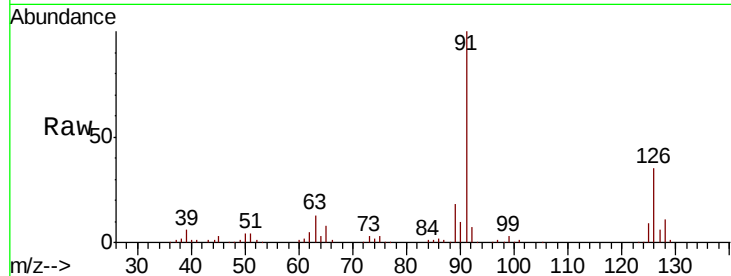
VW0530SBS01

Tot Ion: 91 Resp: 107951

Ion Ratio Lower Upper

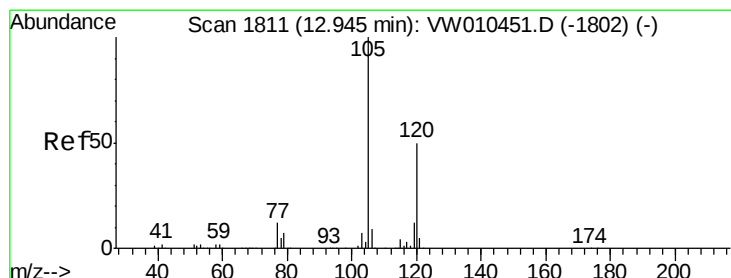
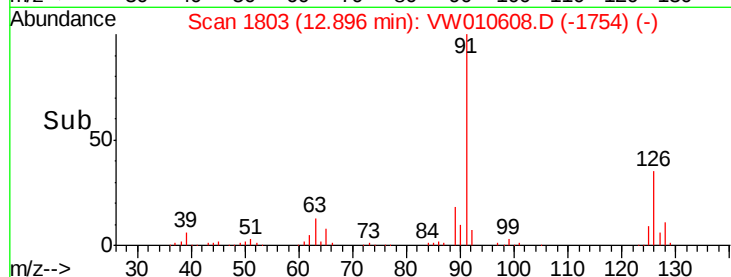
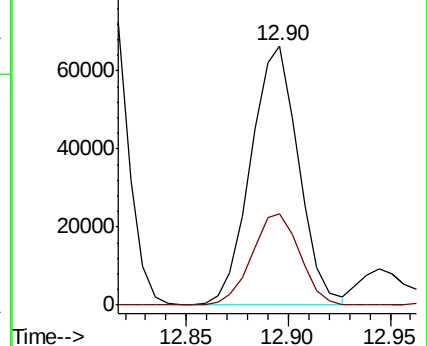
91 100

126 35.5 17.4 52.3



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: 21.614 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010608.D

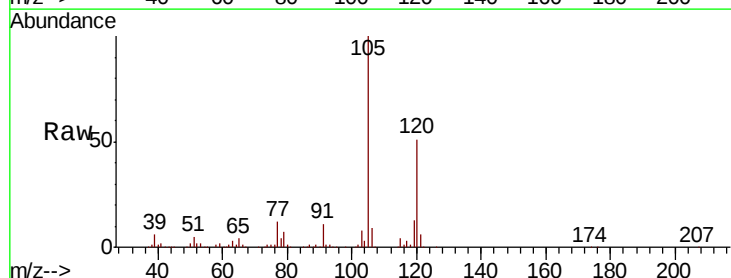
Acq: 30 May 2019 11:56

Tgt Ion:105 Resp: 135622

Ion Ratio Lower Upper

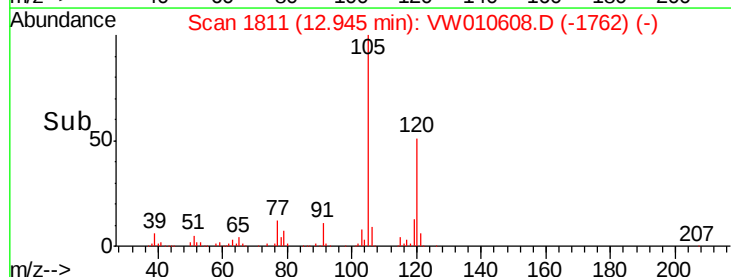
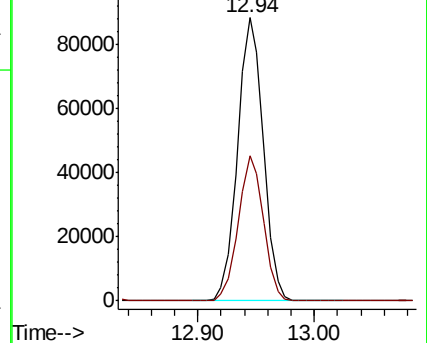
105 100

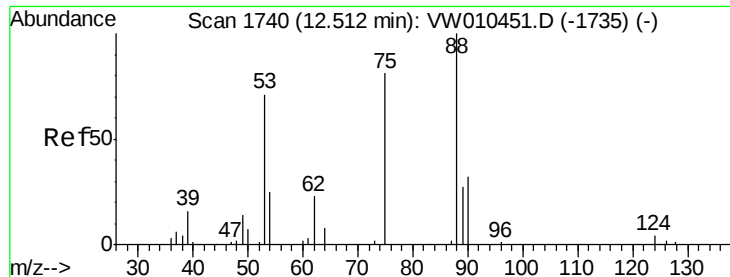
120 50.2 25.2 75.6



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: 15.750 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0530SBS01

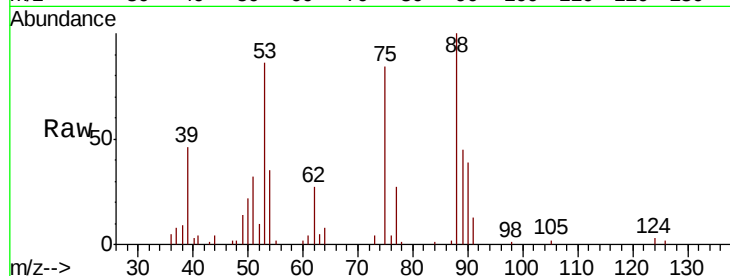
Tot Ion: 75 Resp: 7152

Ion Ratio Lower Upper

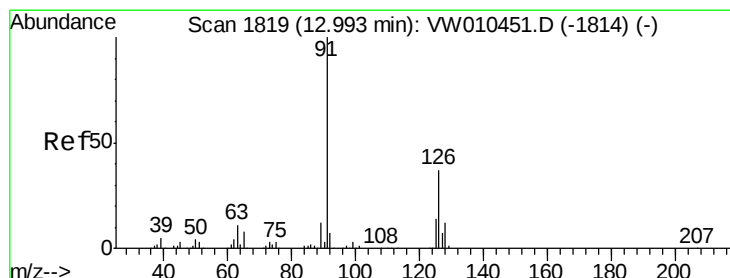
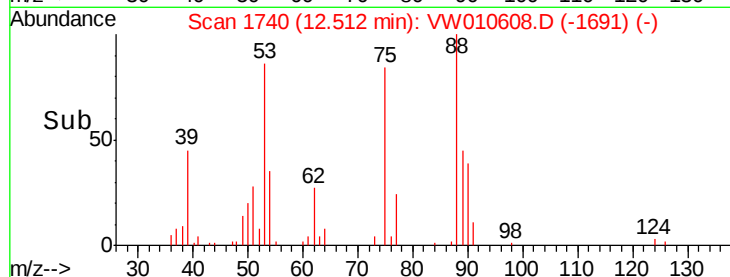
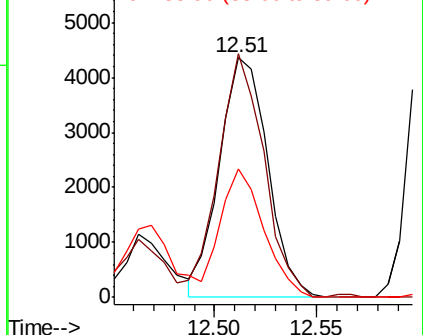
75 100

53 96.4 69.8 104.8

89 48.0 39.5 59.3



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 21.907 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VW010608.D

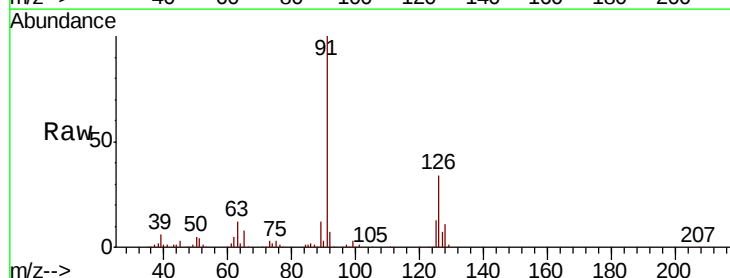
Acq: 30 May 2019 11:56

Tgt Ion: 91 Resp: 113851

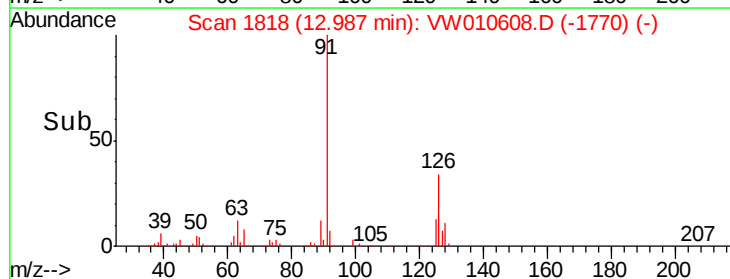
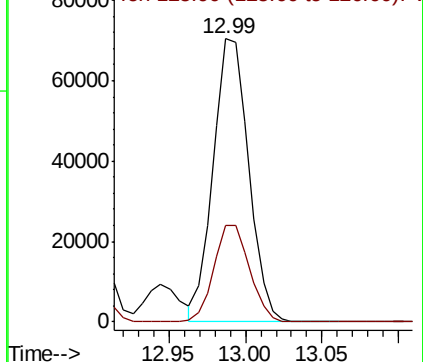
Ion Ratio Lower Upper

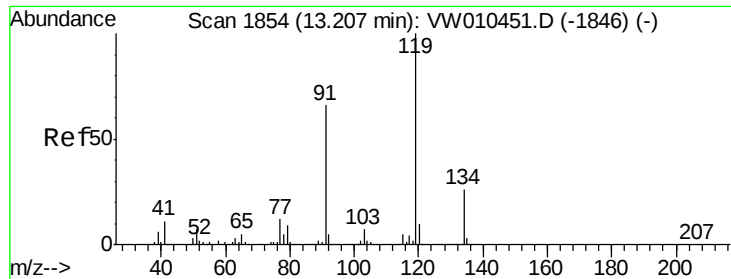
91 100

126 34.4 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 125.90 (125.60 to 126.60): V

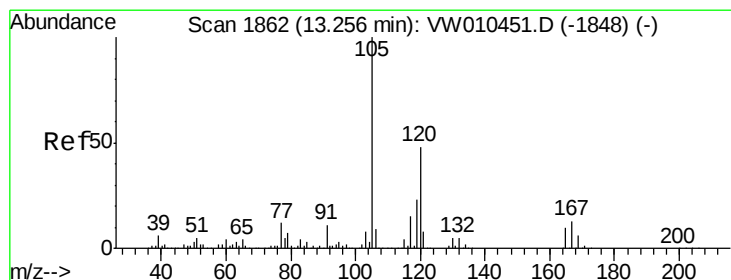
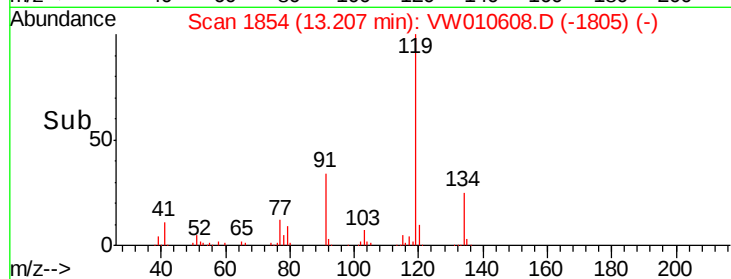
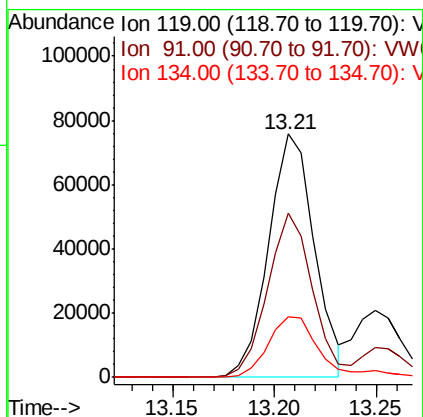
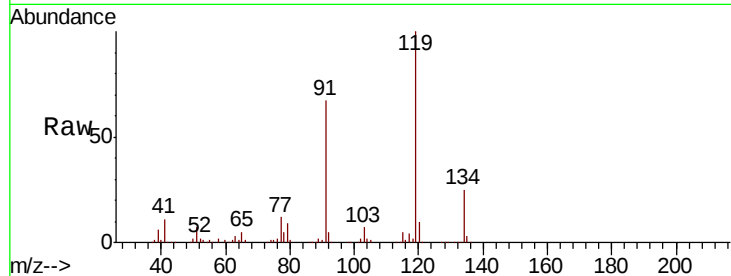




#83
tert-Butylbenzene
Concen: 21.707 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

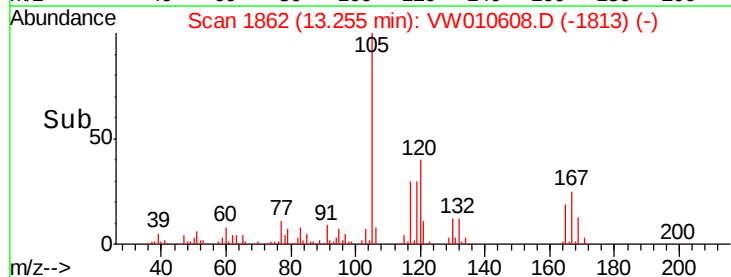
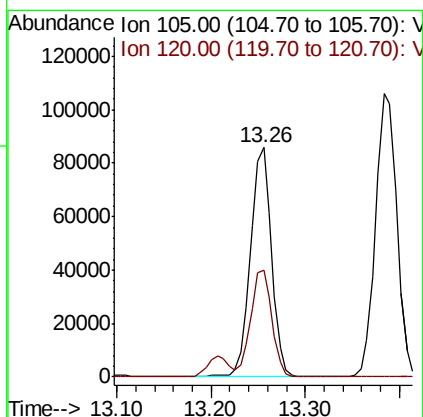
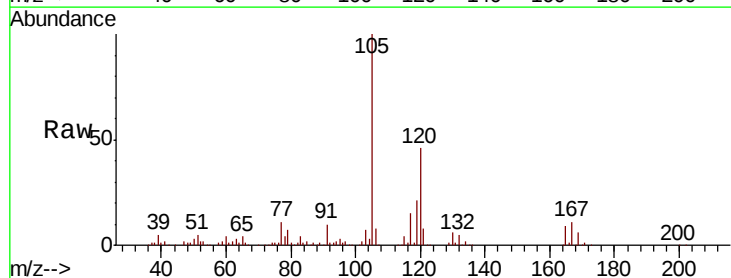
Instrument :
MSVOA_W
ClientSampleId :
VW0530SBS01

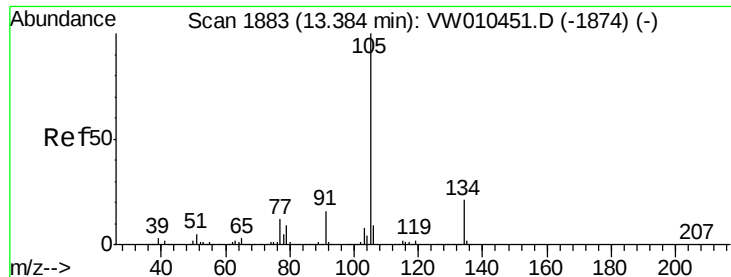
Tot Ion:119 Resp: 118974
Ion Ratio Lower Upper
119 100
91 66.5 33.1 99.5
134 28.3 13.9 41.6



#84
1,2,4-Trimethylbenzene
Concen: 21.670 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Tgt Ion:105 Resp: 135425
Ion Ratio Lower Upper
105 100
120 46.8 23.4 70.2





#85

sec-Butylbenzene

Concen: 21.605 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

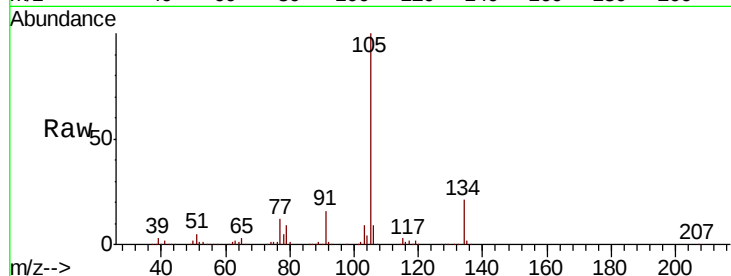
VW0530SBS01

Tot Ion:105 Resp: 165716

Ion Ratio Lower Upper

105 100

134 21.2 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

120000

100000

80000

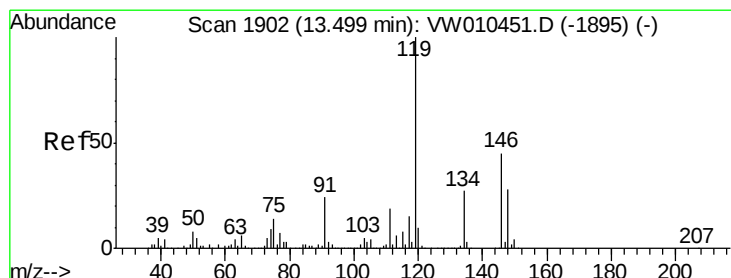
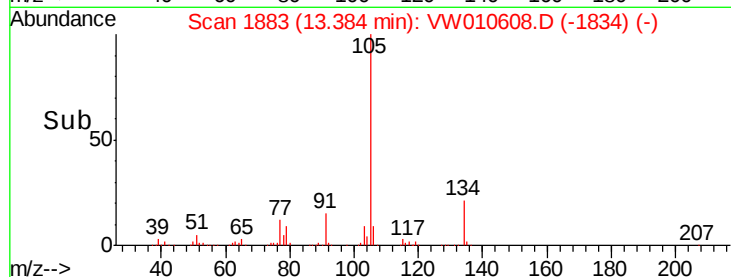
60000

40000

20000

0

Time--> 13.30 13.35 13.40 13.45



#86

p-Isopropyltoluene

Concen: 21.711 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

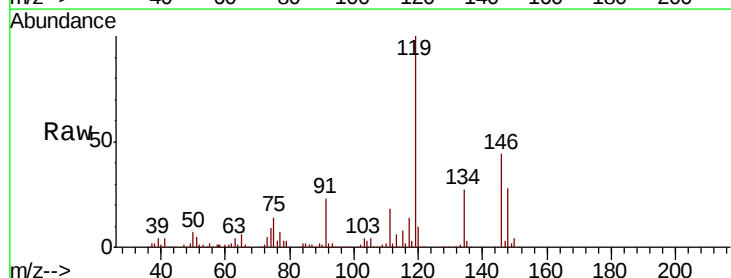
Tgt Ion:119 Resp: 150733

Ion Ratio Lower Upper

119 100

134 27.6 13.6 40.7

91 23.8 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

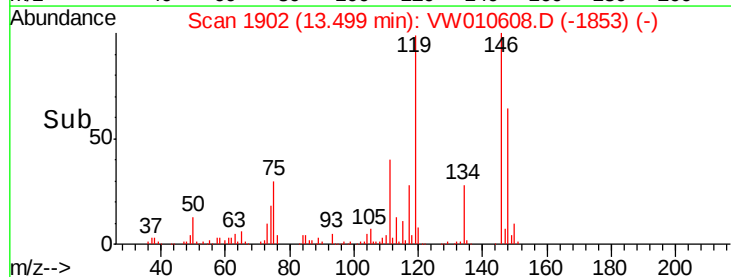
13.50

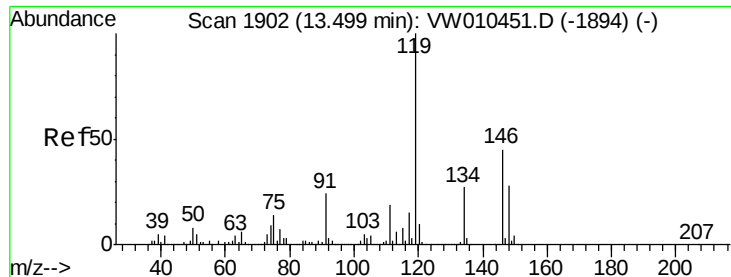
100000

50000

0

Time--> 13.45 13.50 13.55





#87

1,3-Dichlorobenzene

Concen: 22.187 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0530SBS01

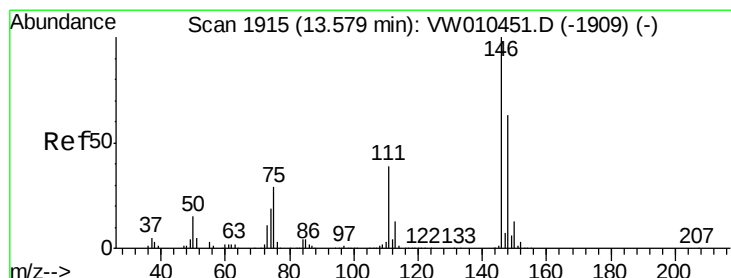
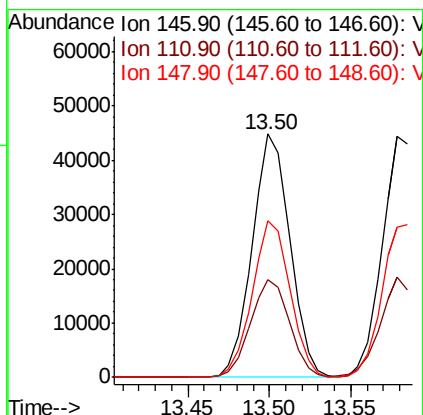
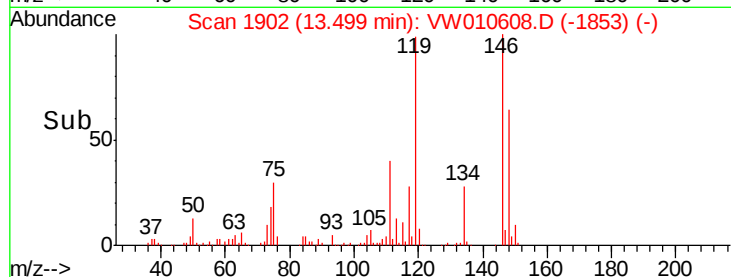
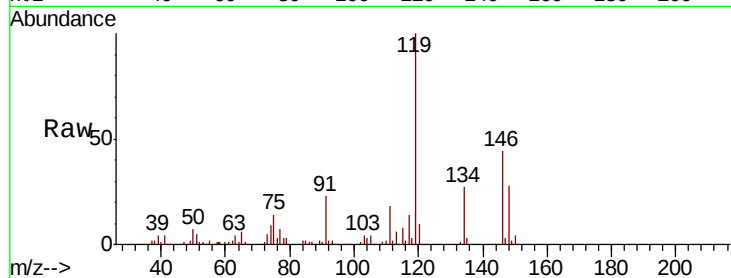
Tot Ion:146 Resp: 72169

Ion Ratio Lower Upper

146 100

111 41.4 20.3 60.9

148 64.6 31.6 94.8



#88

1,4-Dichlorobenzene

Concen: 22.026 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

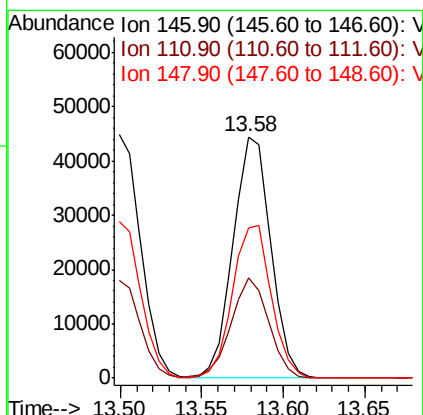
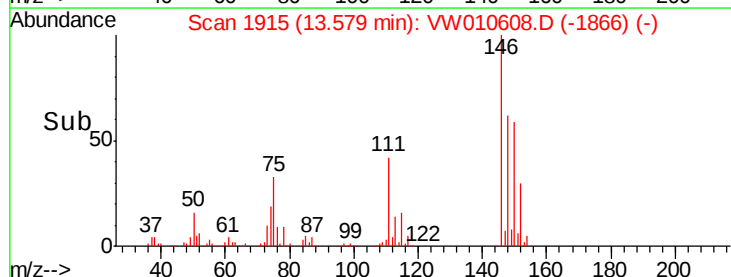
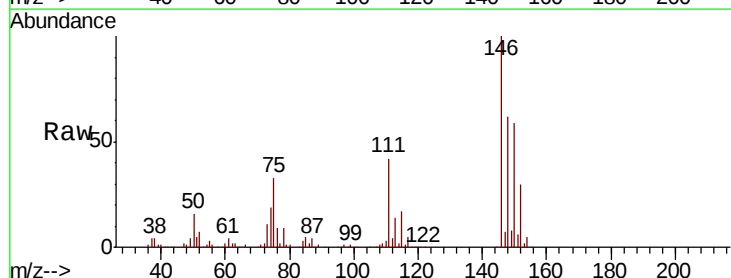
Tgt Ion:146 Resp: 71884

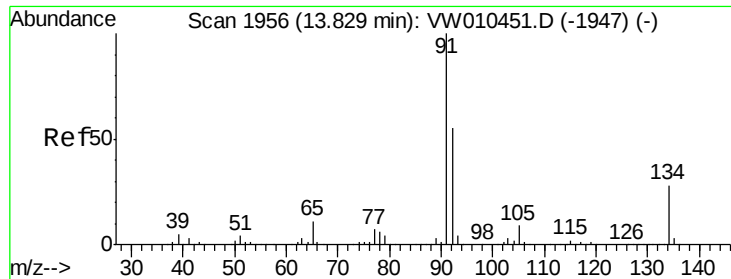
Ion Ratio Lower Upper

146 100

111 41.6 19.9 59.6

148 64.7 31.6 94.8





#89

n-Butylbenzene

Concen: 20.997 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0530SBS01

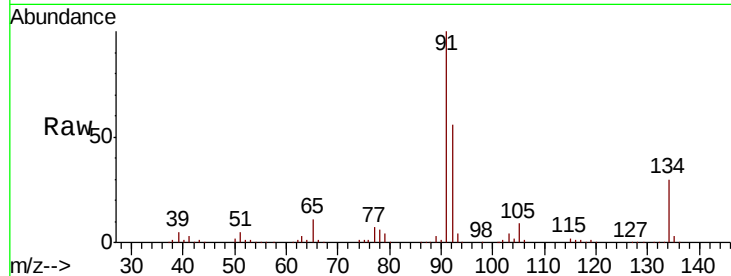
Tot Ion: 91 Resp: 138660

Ion Ratio Lower Upper

91 100

92 55.0 27.7 83.1

134 28.4 13.9 41.6

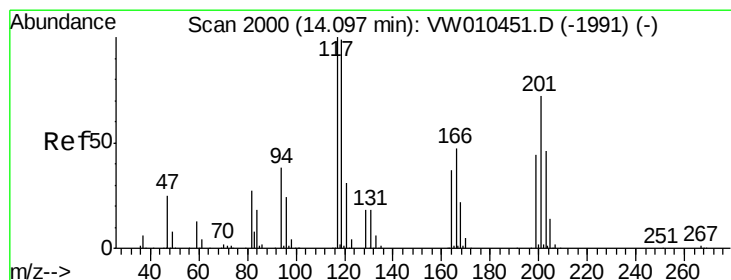
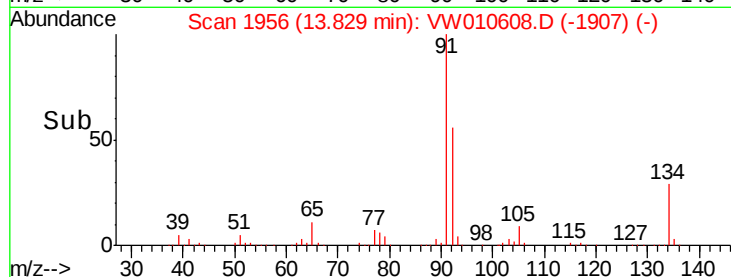
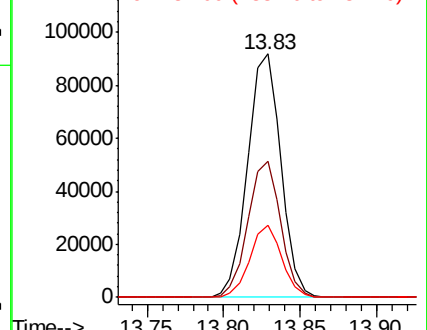


Abundance

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: 20.700 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010608.D

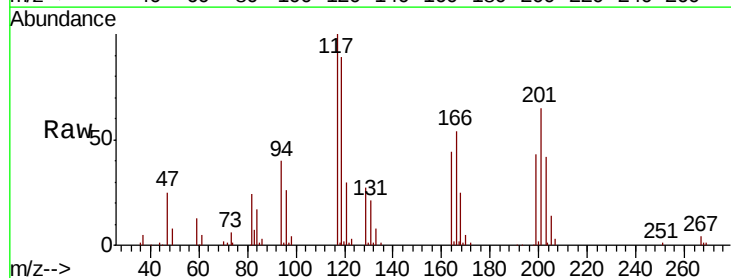
Acq: 30 May 2019 11:56

Tgt Ion: 117 Resp: 27817

Ion Ratio Lower Upper

117 100

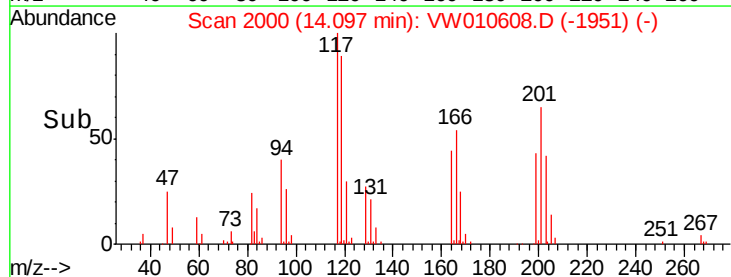
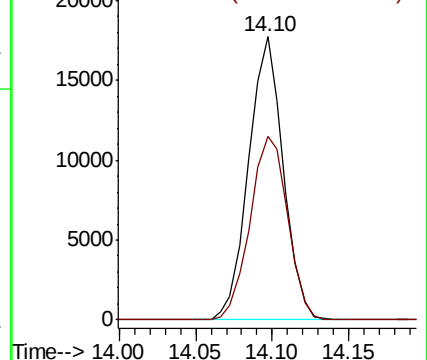
201 70.2 34.6 103.8

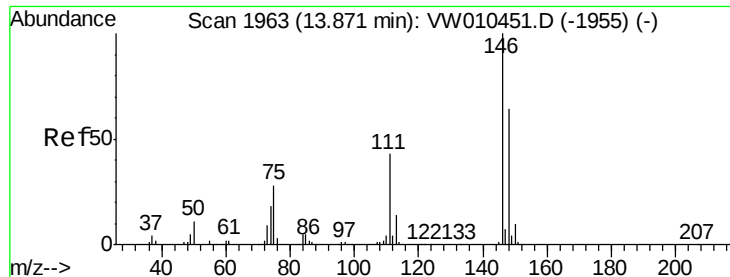


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 21.620 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0530SBS01

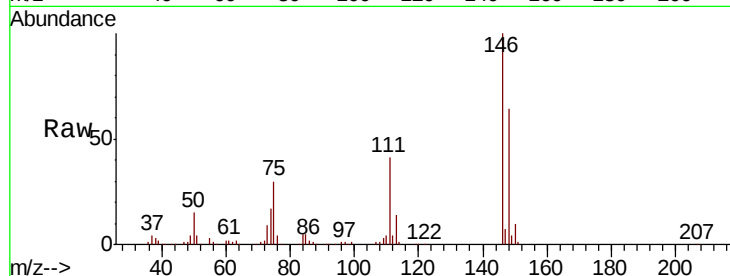
Tot Ion:146 Resp: 64076

Ion Ratio Lower Upper

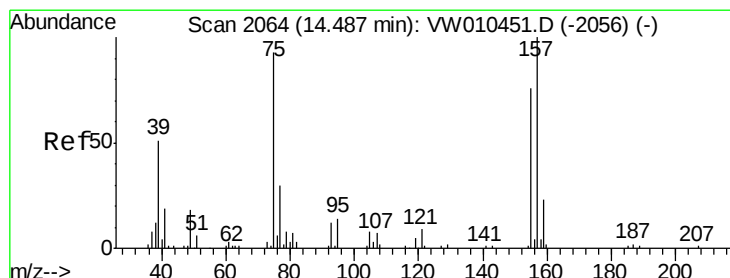
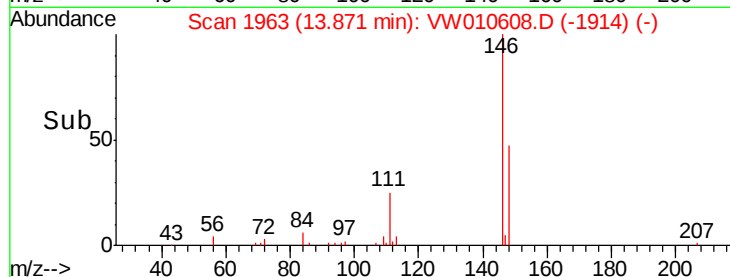
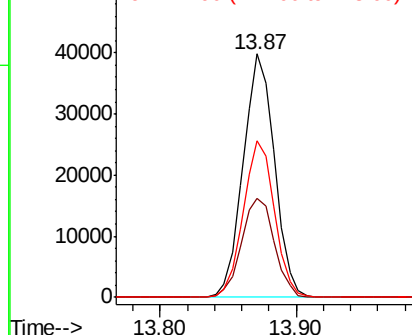
146 100

111 42.6 21.3 64.0

148 64.1 32.0 96.0



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: 15.948 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

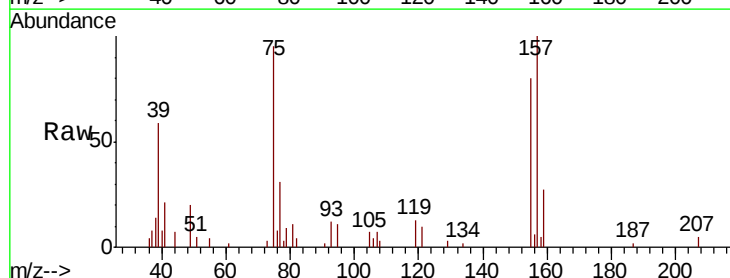
Tgt Ion: 75 Resp: 3996

Ion Ratio Lower Upper

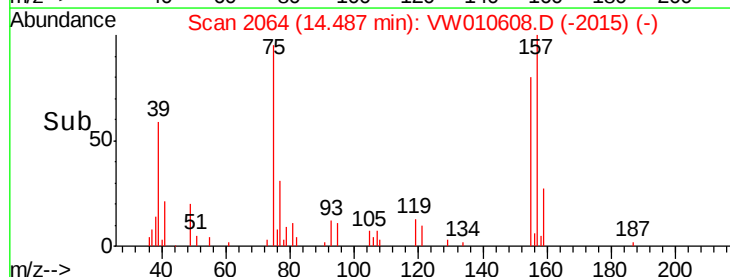
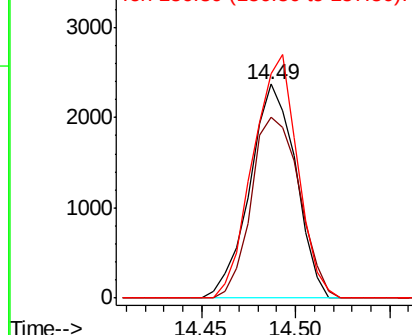
75 100

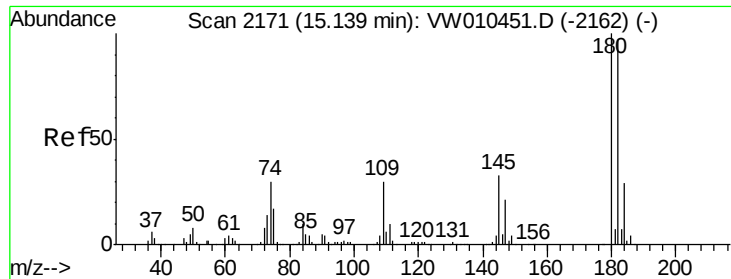
155 88.8 43.0 129.0

157 110.9 55.7 167.1



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

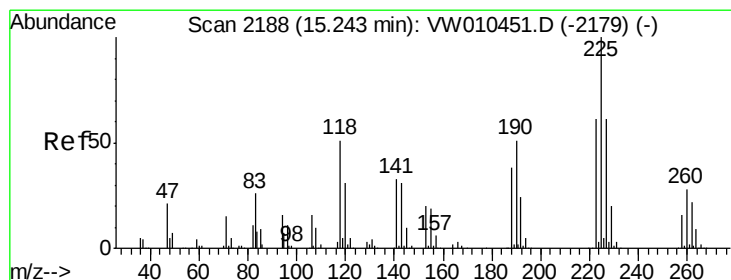
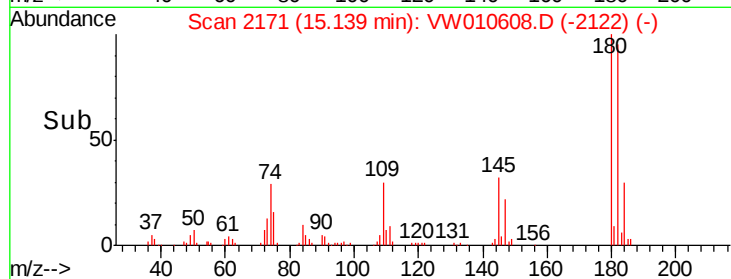
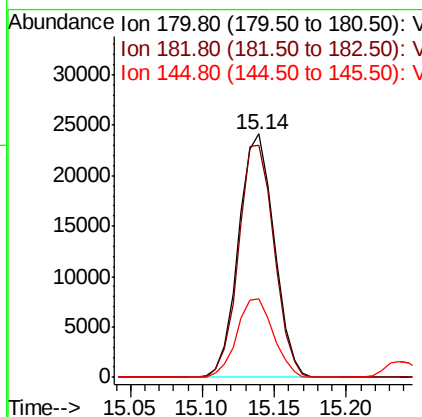
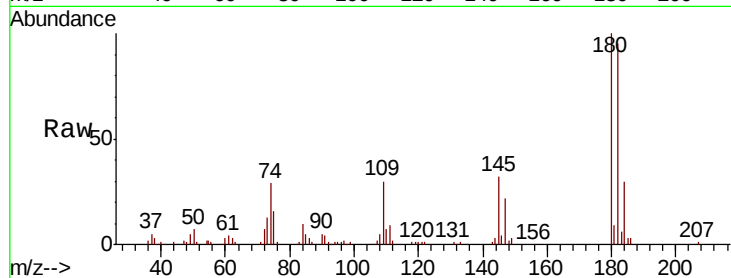




#93
 1,2,4-Trichlorobenzene
 Concen: 20.491 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010608.D
 Acq: 30 May 2019 11:56

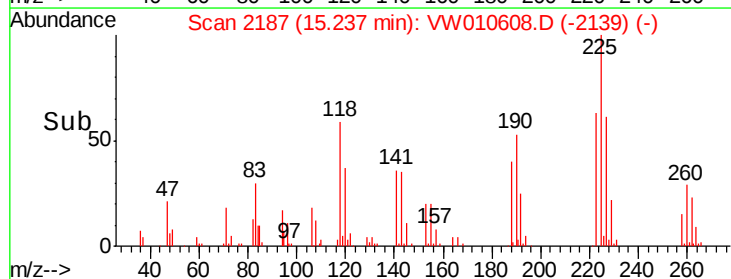
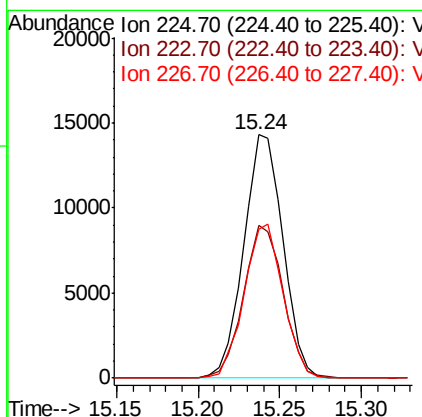
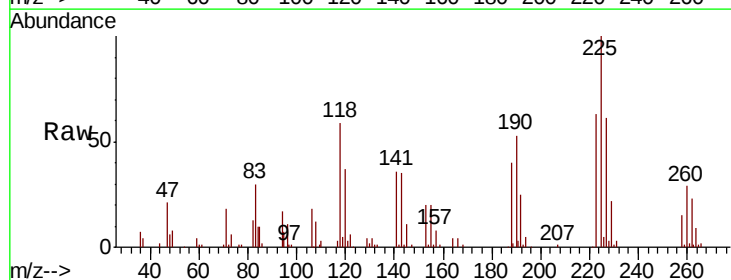
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0530SBS01

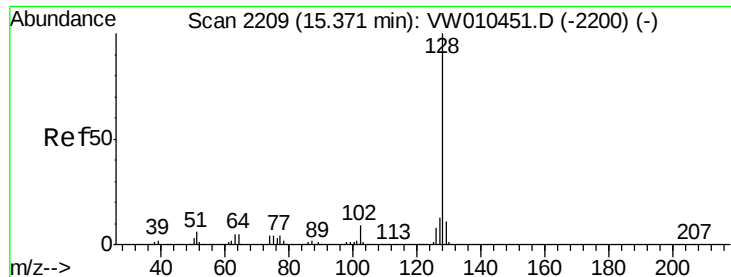
Tot Ion:180 Resp: 41320
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.0 141.2
 145 33.3 16.7 50.0



#94
 Hexachlorobutadiene
 Concen: 22.266 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010608.D
 Acq: 30 May 2019 11:56

Tgt Ion:225 Resp: 23987
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.1 93.2
 227 62.7 31.1 93.5

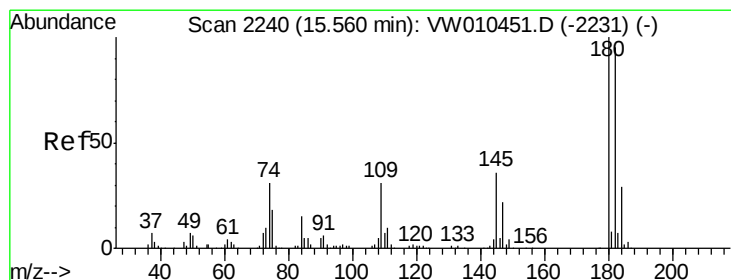
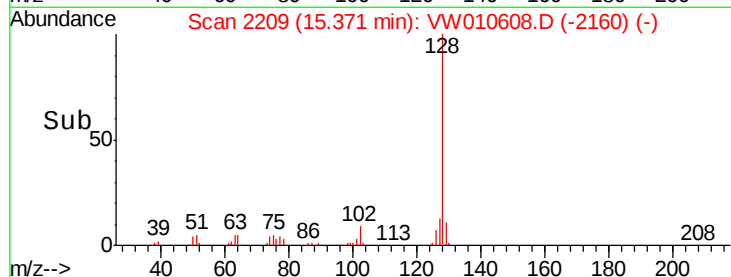
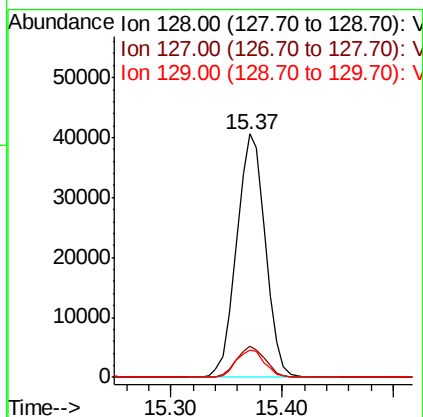
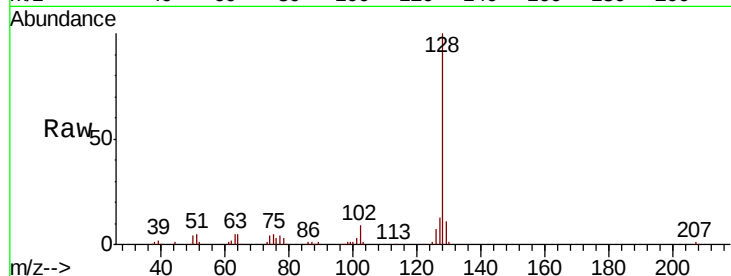




#95
Naphthalene
Concen: 17.077 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0530SBS01

Tot Ion:128 Resp: 72288
Ion Ratio Lower Upper
128 100
127 12.8 10.6 15.8
129 11.1 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 20.285 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Tgt Ion:180 Resp: 35198
Ion Ratio Lower Upper
180 100
182 94.6 47.1 141.3
145 34.5 17.4 52.3

