

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052219\
 Data File : VW010502.D
 Acq On : 22 May 2019 11:30
 Operator : SY/VA
 Sample : VW0522SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0522SBS01

Quant Time: May 23 06:54:55 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	141223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	246522	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	215430	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	98465	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	73438	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
35) Dibromofluoromethane	7.88	113	77771	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
50) Toluene-d8	10.32	98	310949	54.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.82%	
62) 4-Bromofluorobenzene	12.62	95	114897	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	22930	18.047	ug/l	99
3) Chloromethane	2.21	50	27682	18.656	ug/l	98
4) Vinyl Chloride	2.36	62	29804	17.341	ug/l	97
5) Bromomethane	2.76	94	27014	22.847	ug/l	95
6) Chloroethane	2.91	64	20769	18.824	ug/l	99
7) Trichlorofluoromethane	3.26	101	53576	21.114	ug/l	98
8) Diethyl Ether	3.68	74	14894	18.517	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	33399	21.373	ug/l	99
10) Methyl Iodide	4.27	142	30007	16.800	ug/l	98
11) Tert butyl alcohol	5.19	59	8665	66.087	ug/l	99
12) 1,1-Dichloroethene	4.03	96	31697	21.249	ug/l	99
13) Acrolein	3.90	56	8072	91.510	ug/l	99
14) Allyl chloride	4.67	41	43742	20.258	ug/l	98
15) Acrylonitrile	5.37	53	27489	81.603	ug/l	98
16) Acetone	4.14	43	22440	75.418	ug/l	100
17) Carbon Disulfide	4.37	76	87249	19.610	ug/l	99
18) Methyl Acetate	4.67	43	12562	17.263	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	70405	18.514	ug/l	97
20) Methylene Chloride	4.91	84	32114	14.827	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	35971	21.023	ug/l	98
22) Diisopropyl ether	6.31	45	87305	19.719	ug/l	98
23) Vinyl Acetate	6.26	43	240968	91.115	ug/l	100
24) 1,1-Dichloroethane	6.21	63	56285	21.303	ug/l	99
25) 2-Butanone	7.17	43	33656	79.040	ug/l	96
26) 2,2-Dichloropropane	7.17	77	55068	21.881	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	39519	21.245	ug/l	100
28) Bromochloromethane	7.51	49	19861	20.996	ug/l	96
29) Tetrahydrofuran	7.53	42	21927	76.100	ug/l	99
30) Chloroform	7.67	83	60547	21.246	ug/l	95
31) Cyclohexane	7.95	56	55791	20.159	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	57881	21.250	ug/l	97
36) 1,1-Dichloropropene	8.08	75	48759	21.232	ug/l	100
37) Ethyl Acetate	7.25	43	15274	15.640	ug/l	99
38) Carbon Tetrachloride	8.07	117	53940	21.774	ug/l	95

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	64747	21.044	ug/l	98
40) Benzene	8.32	78	134546	21.079	ug/l	99
41) Methacrylonitrile	7.48	41	10308	17.765	ug/l	91
42) 1,2-Dichloroethane	8.40	62	36241	19.866	ug/l	99
43) Isopropyl Acetate	8.42	43	31936	16.369	ug/l	97
44) Trichloroethene	9.09	130	39819	21.013	ug/l	99
45) 1,2-Dichloropropane	9.37	63	31402	20.715	ug/l	97
46) Dibromomethane	9.46	93	17105	19.294	ug/l	99
47) Bromodichloromethane	9.65	83	44763	20.092	ug/l	99
48) Methyl methacrylate	9.43	41	14482	16.225	ug/l	96
49) 1,4-Dioxane	9.46	88	3606	248.993	ug/l	89
51) 4-Methyl-2-Pentanone	10.21	43	77906	78.804	ug/l	100
52) Toluene	10.39	92	91540	21.355	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	43267	19.176	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	51984	20.173	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	24401	19.140	ug/l	97
56) Ethyl methacrylate	10.65	69	29778	16.936	ug/l	99
57) 1,3-Dichloropropane	10.93	76	40865	19.136	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	74198	95.274	ug/l	98
59) 2-Hexanone	10.97	43	55027	78.028	ug/l	99
60) Dibromochloromethane	11.13	129	30584	18.955	ug/l	98
61) 1,2-Dibromoethane	11.24	107	24076	18.643	ug/l	99
64) Tetrachloroethene	10.86	164	31846	21.206	ug/l	98
65) Chlorobenzene	11.66	112	98430	21.438	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	35030	21.299	ug/l	99
67) Ethyl Benzene	11.73	91	175903	21.700	ug/l	99
68) m/p-Xylenes	11.84	106	136365	42.889	ug/l	99
69) o-Xylene	12.16	106	65016	21.583	ug/l	97
70) Styrene	12.18	104	108658	21.259	ug/l	99
71) Bromoform	12.35	173	16190	17.875	ug/l #	99
73) Isopropylbenzene	12.46	105	177789	22.754	ug/l	100
74) N-amyl acetate	12.27	43	29986	16.747	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	25745	18.115	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	33185	33.202	ug/l #	1
77) Bromobenzene	12.75	156	38678	22.120	ug/l	98
78) n-propylbenzene	12.80	91	202337	22.221	ug/l	100
79) 2-Chlorotoluene	12.90	91	116554	22.072	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	147431	22.279	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	8534	17.820	ug/l	96
82) 4-Chlorotoluene	12.99	91	121922	22.244	ug/l	99
83) tert-Butylbenzene	13.21	119	129115	22.336	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	145677	22.103	ug/l	100
85) sec-Butylbenzene	13.38	105	181126	22.390	ug/l	99
86) p-Isopropyltoluene	13.50	119	163662	22.352	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	74520	21.723	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	73922	21.477	ug/l	98
89) n-Butylbenzene	13.83	91	152620	21.914	ug/l	99
90) Hexachloroethane	14.10	117	31527	22.245	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	66137	21.159	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4282	16.204	ug/l	98

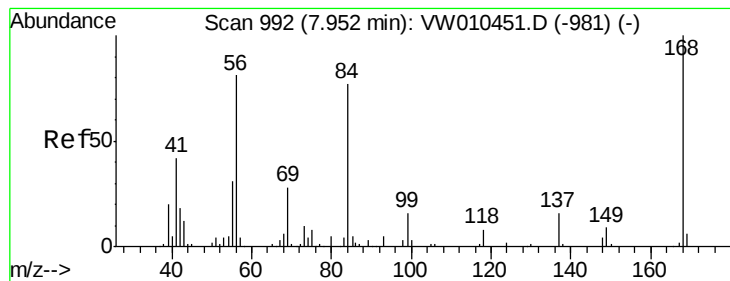
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	42842	20.145	ug/l	99
94) Hexachlorobutadiene	15.24	225	24037	21.157	ug/l	97
95) Naphthalene	15.37	128	77444	17.348	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	35801	19.564	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

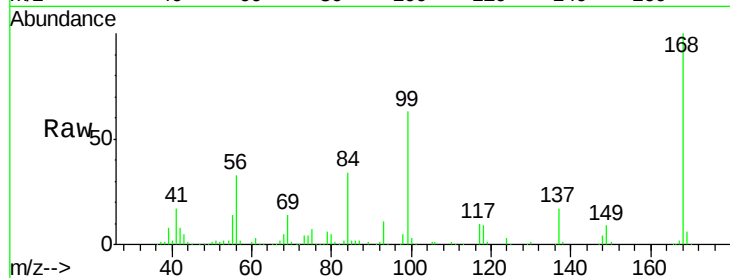
VW0522SBS01

Tot Ion:168 Resp: 141223

Ion Ratio Lower Upper

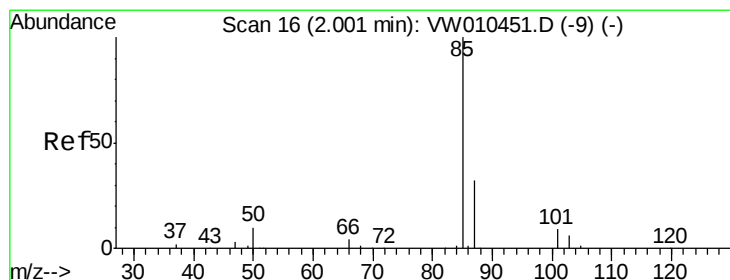
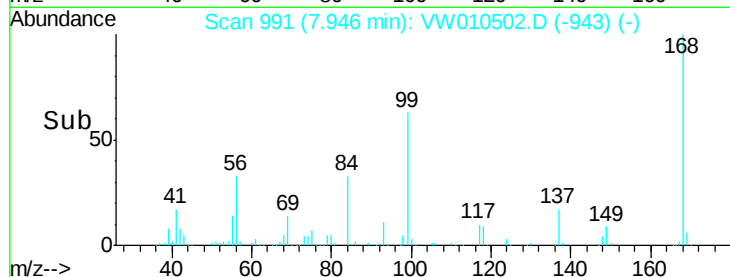
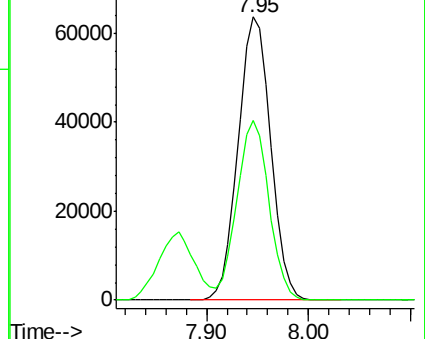
168 100

99 63.3 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 18.047 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010502.D

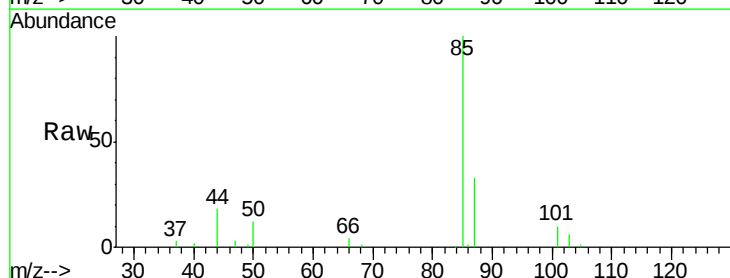
Acq: 22 May 2019 11:30

Tgt Ion: 85 Resp: 22930

Ion Ratio Lower Upper

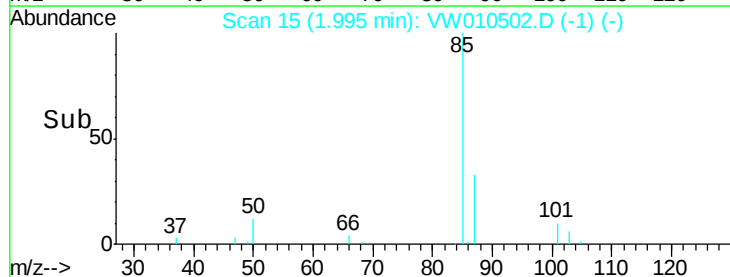
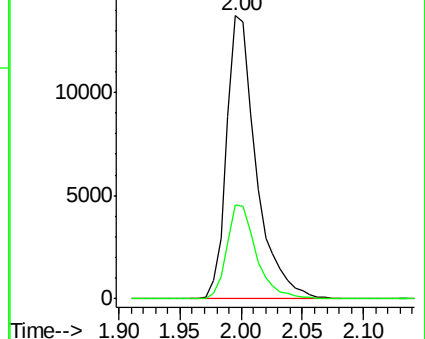
85 100

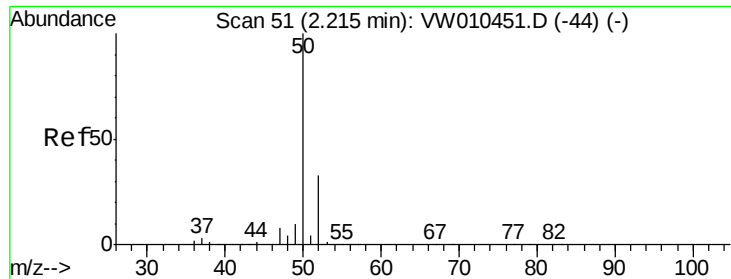
87 33.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 18.656 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

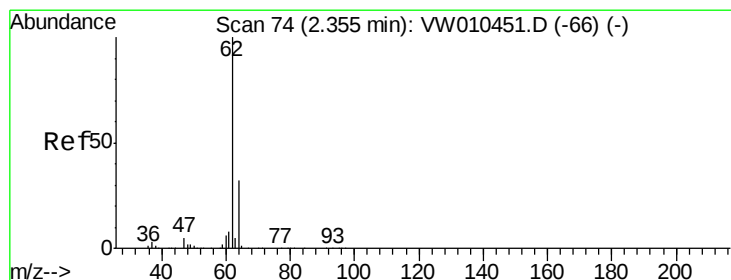
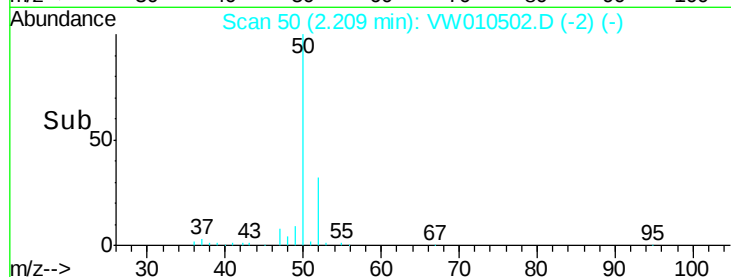
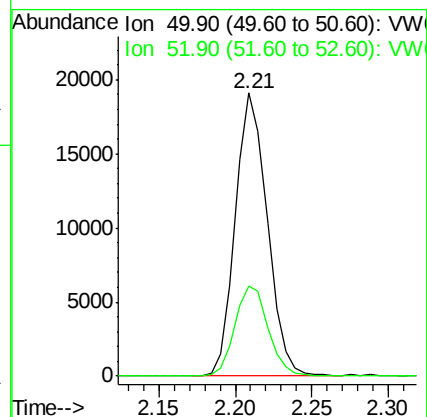
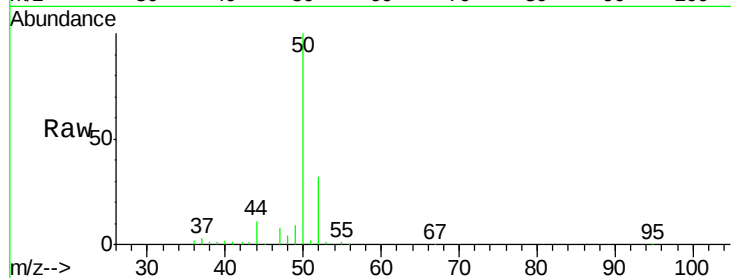
VW0522SBS01

Tot Ion: 50 Resp: 27682

Ion Ratio Lower Upper

50 100

52 31.9 26.3 39.5



#4

Vinyl Chloride

Concen: 17.341 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW010502.D

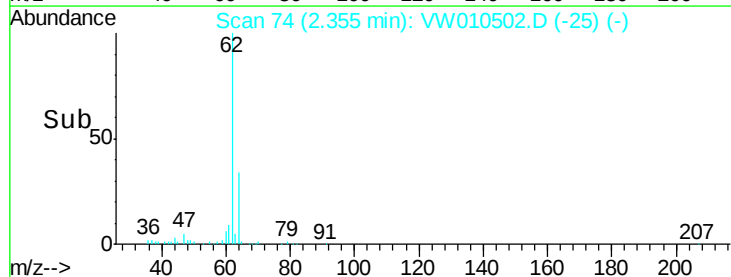
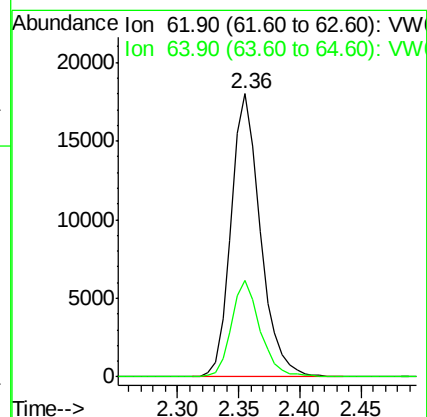
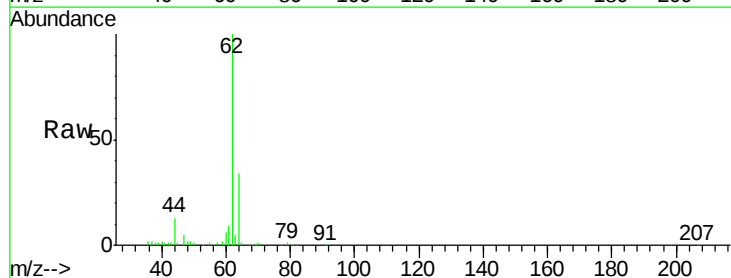
Acq: 22 May 2019 11:30

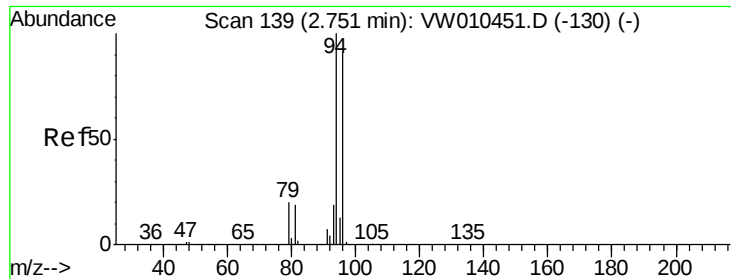
Tgt Ion: 62 Resp: 29804

Ion Ratio Lower Upper

62 100

64 33.9 25.8 38.8





#5

Bromomethane

Concen: 22.847 ug/l

RT: 2.76 min Scan# 141

Delta R.T. 0.01 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

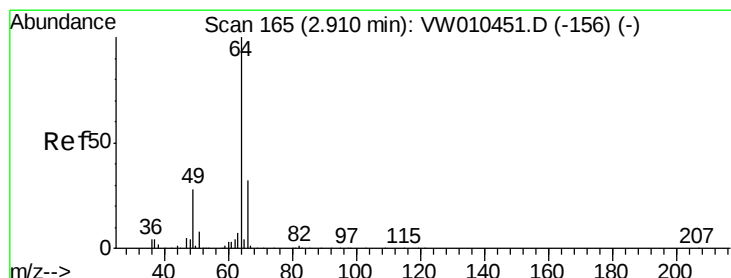
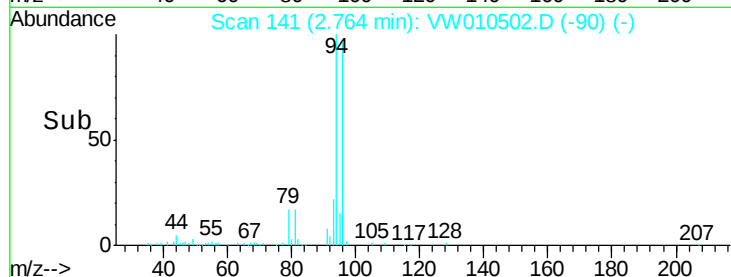
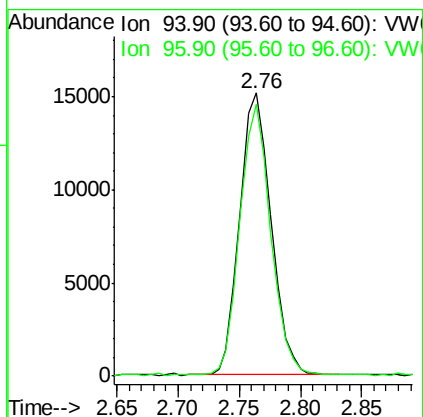
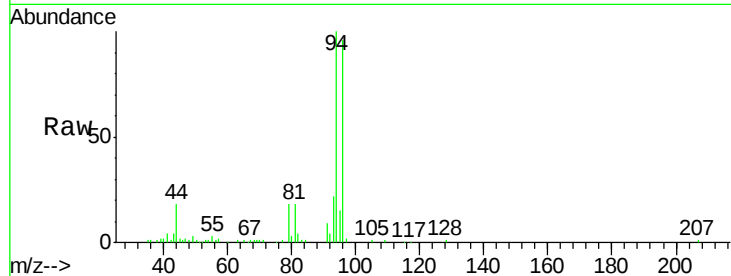
VW0522SBS01

Tot Ion: 94 Resp: 27014

Ion Ratio Lower Upper

94 100

96 96.0 72.9 109.3



#6

Chloroethane

Concen: 18.824 ug/l

RT: 2.91 min Scan# 165

Delta R.T. 0.00 min

Lab File: VW010502.D

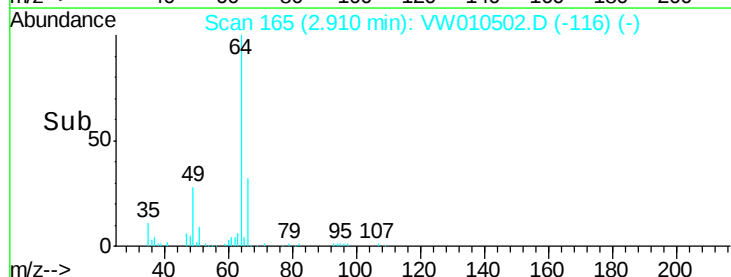
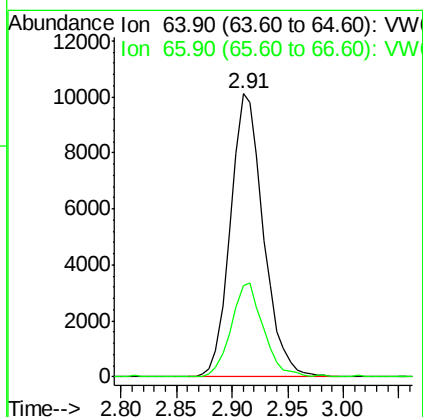
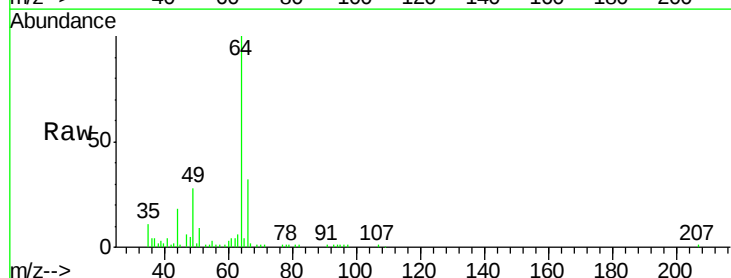
Acq: 22 May 2019 11:30

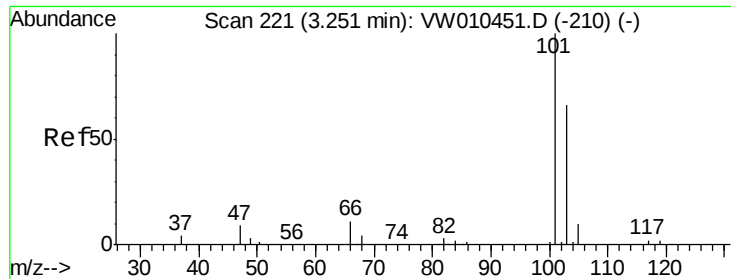
Tgt Ion: 64 Resp: 20769

Ion Ratio Lower Upper

64 100

66 32.3 25.5 38.3



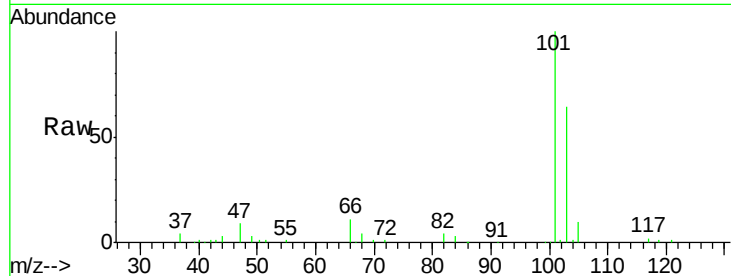


#7

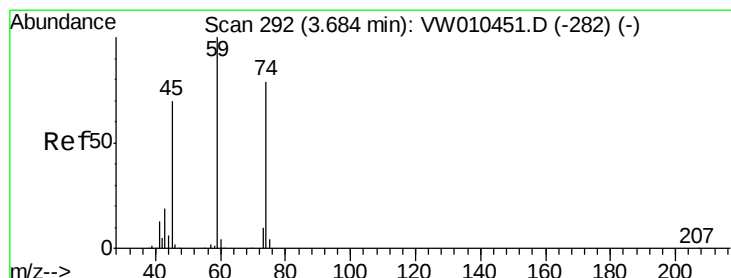
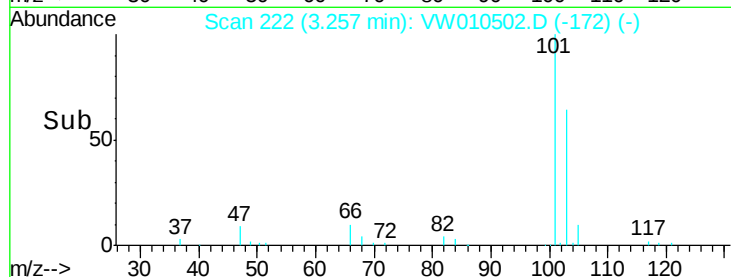
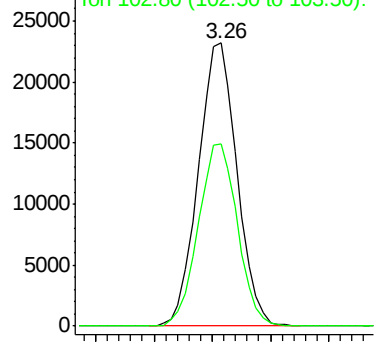
Trichlorofluoromethane
Concen: 21.114 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.01 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VW0522SBS01

Tot Ion:101 Resp: 53576
Ion Ratio Lower Upper
101 100
103 64.5 53.0 79.4



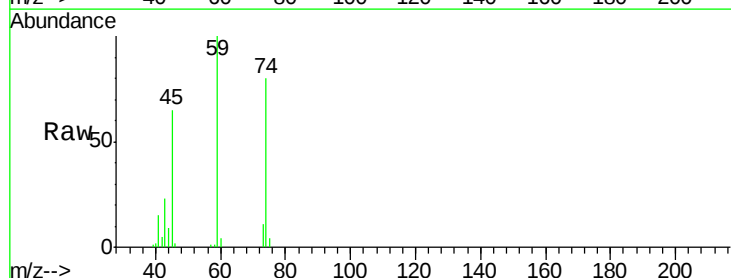
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



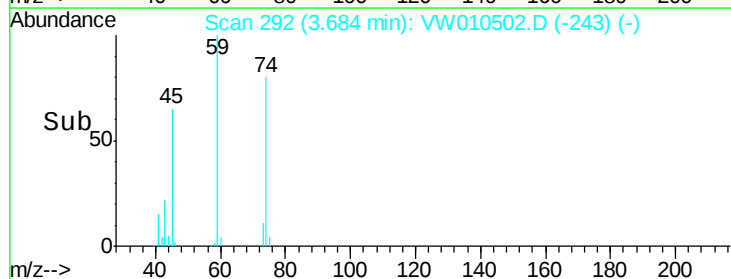
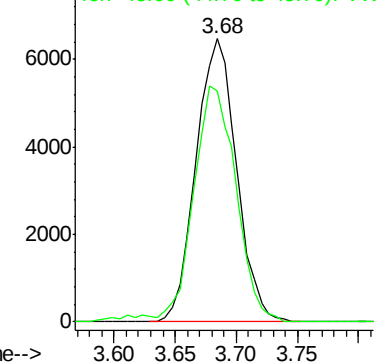
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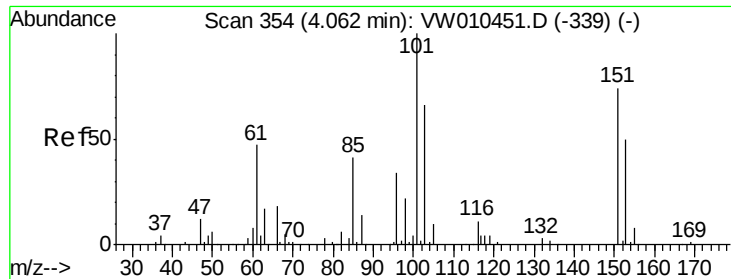
Diethyl Ether
Concen: 18.517 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.00 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

Tgt Ion: 74 Resp: 14894
Ion Ratio Lower Upper
74 100
45 88.4 42.9 128.5



Abundance Ion 74.00 (73.70 to 74.70): VW
Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.373 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VW0522SBS01

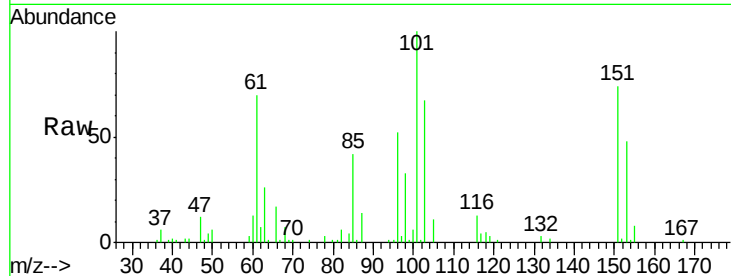
Tot Ion:101 Resp: 33399

Ion Ratio Lower Upper

101 100

85 41.7 34.3 51.5

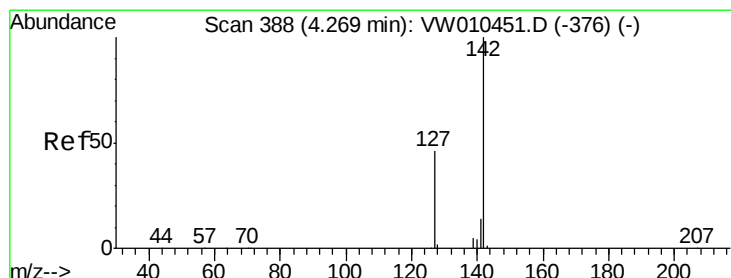
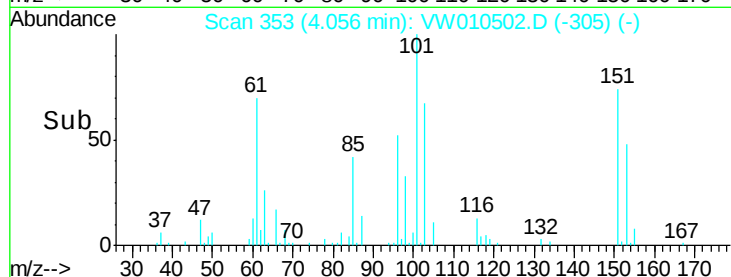
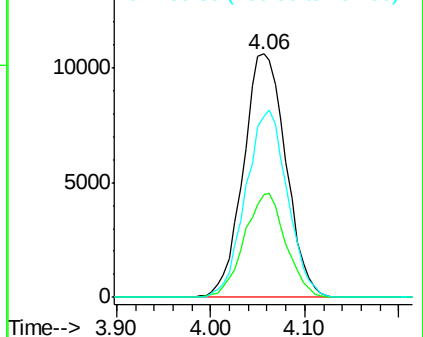
151 75.5 60.3 90.5



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: 16.800 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

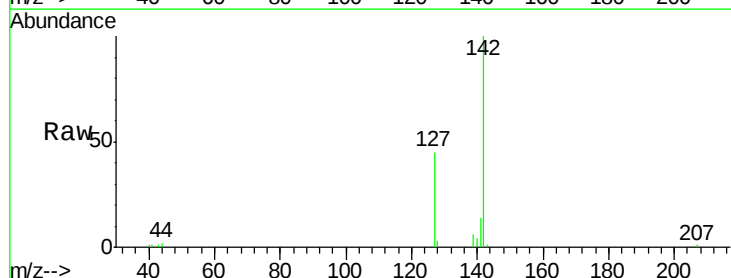
Tgt Ion:142 Resp: 30007

Ion Ratio Lower Upper

142 100

127 43.7 36.1 54.1

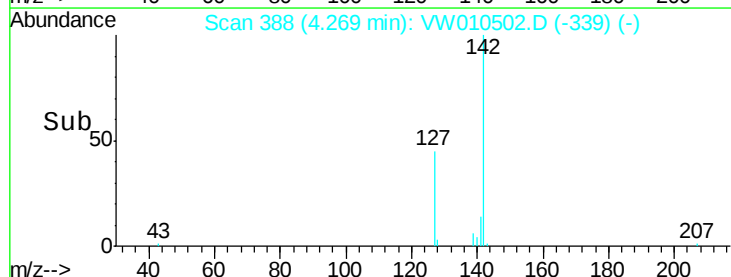
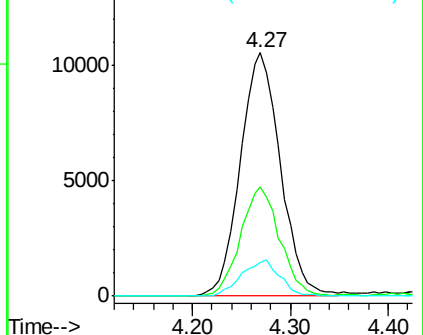
141 14.0 11.3 16.9

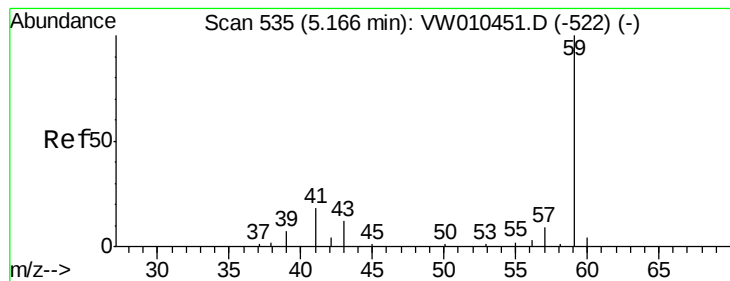


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



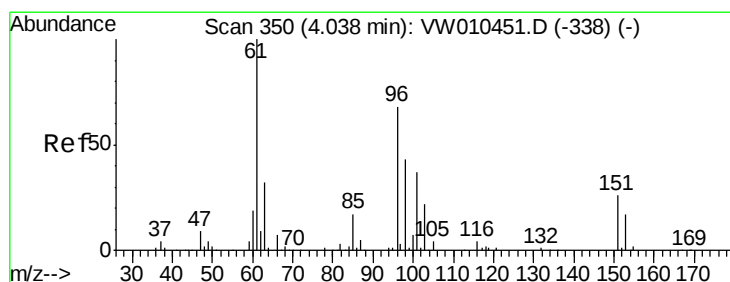
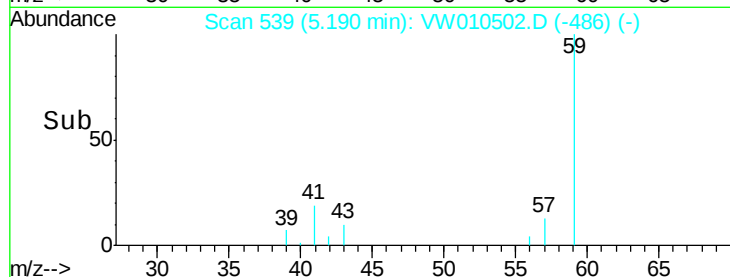
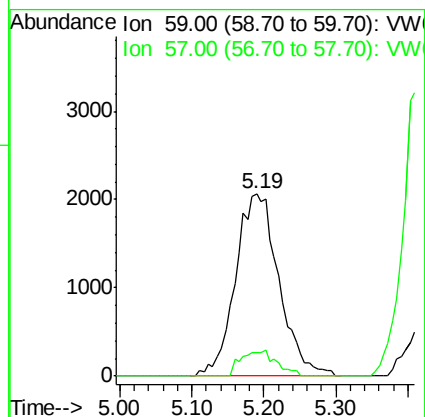
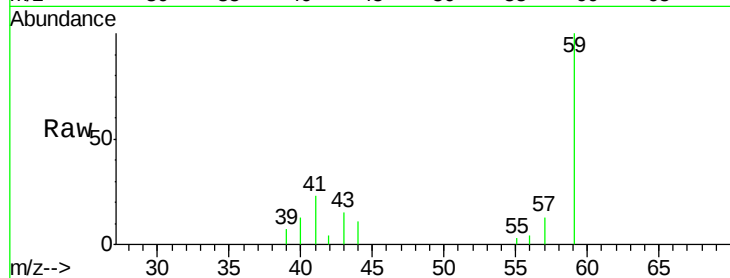


#11

Tert butyl alcohol
 Concen: 66.087 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.02 min
 Lab File: VW010502.D
 Acq: 22 May 2019 11:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0522SBS01

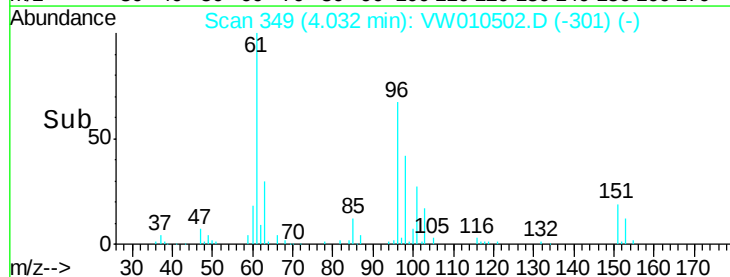
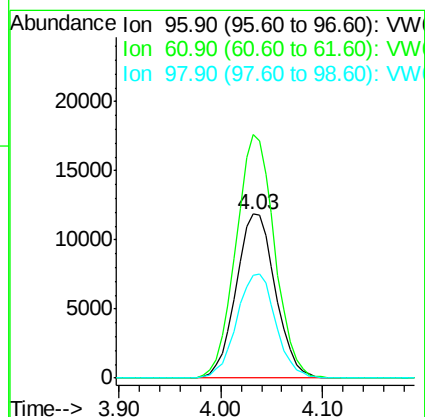
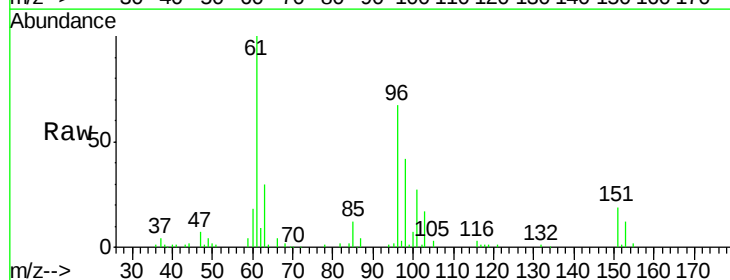
Tot Ion: 59 Resp: 8665
 Ion Ratio Lower Upper
 59 100
 57 11.4 8.8 13.2

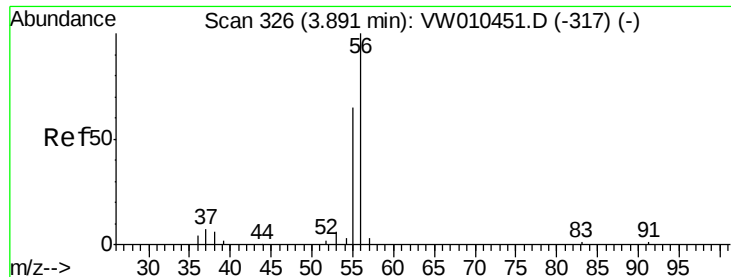


#12

1,1-Dichloroethene
 Concen: 21.249 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW010502.D
 Acq: 22 May 2019 11:30

Tgt Ion: 96 Resp: 31697
 Ion Ratio Lower Upper
 96 100
 61 148.6 118.3 177.5
 98 62.6 51.0 76.6





#13

Acrolein

Concen: 91.510 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

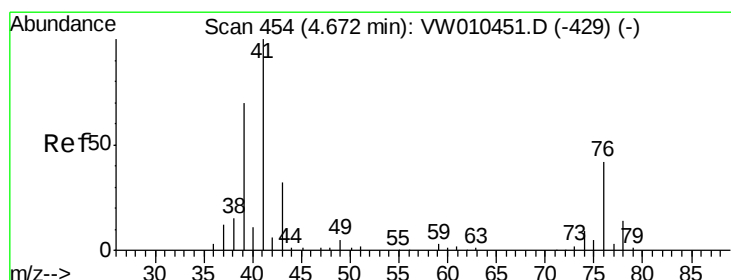
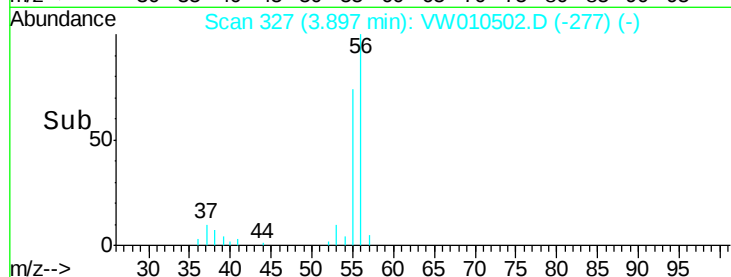
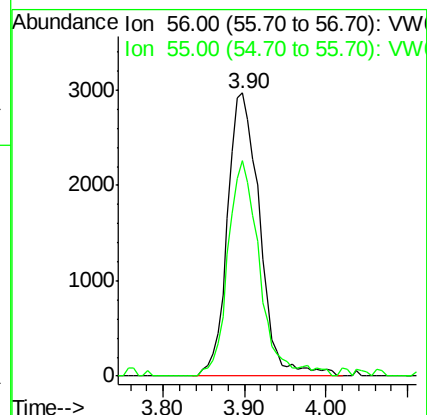
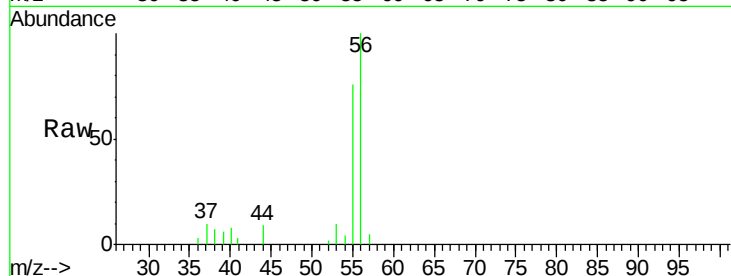
VW0522SBS01

Tot Ion: 56 Resp: 8072

Ion Ratio Lower Upper

56 100

55 73.0 57.9 86.9



#14

Allyl chloride

Concen: 20.258 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

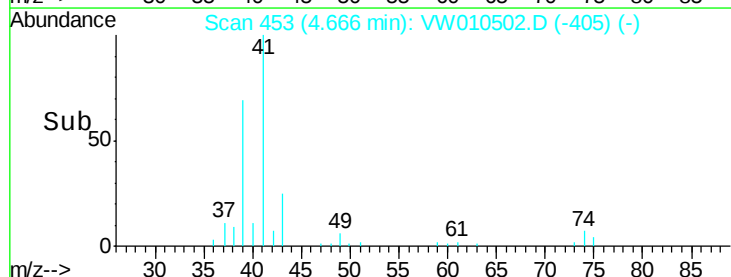
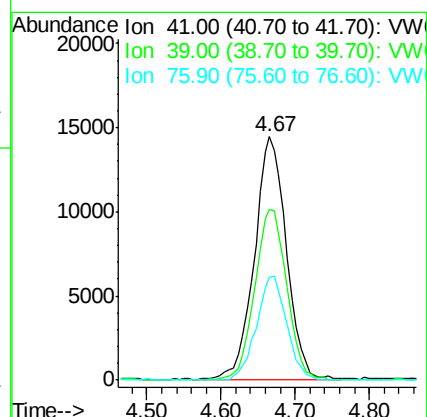
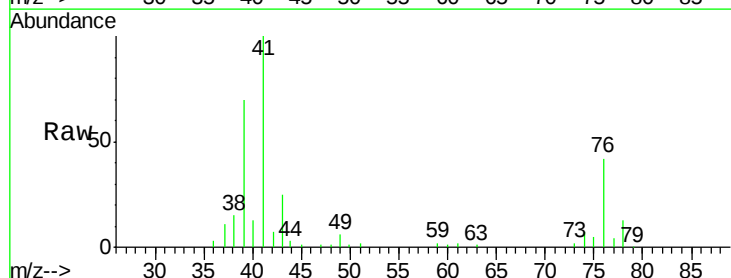
Tgt Ion: 41 Resp: 43742

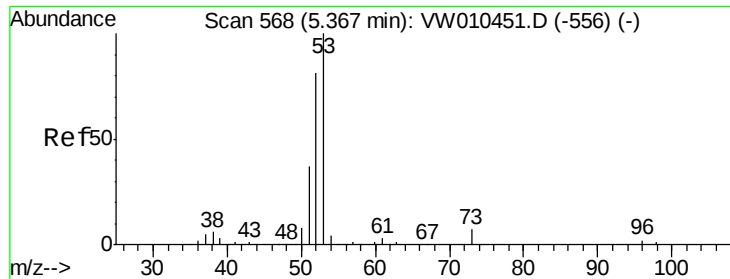
Ion Ratio Lower Upper

41 100

39 70.1 55.0 82.4

76 40.3 32.8 49.2





#15

Acrylonitrile

Concen: 81.603 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VW0522SBS01

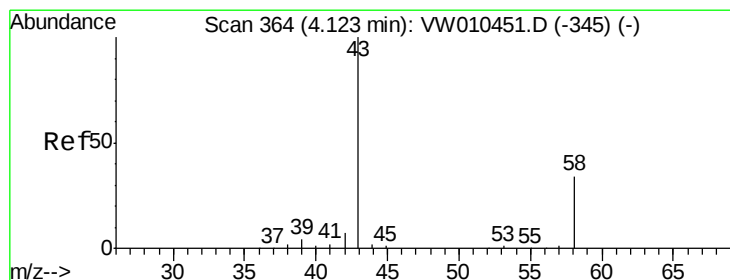
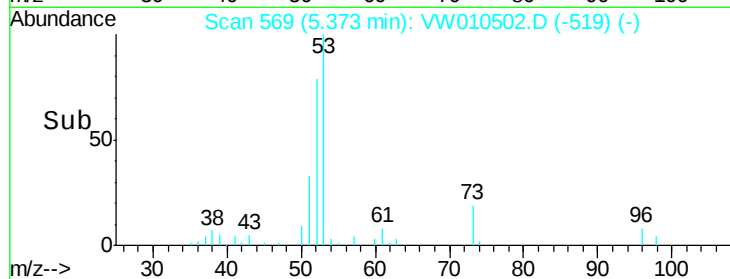
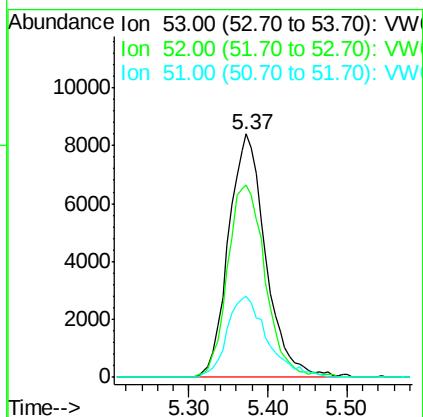
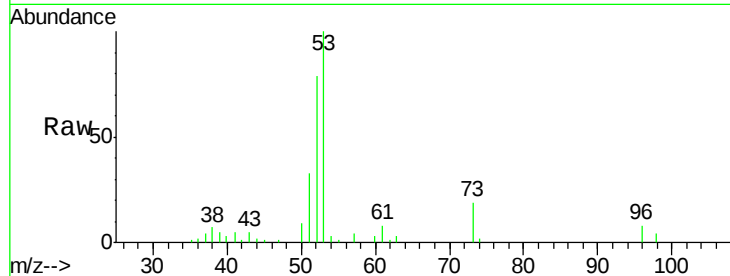
Tot Ion: 53 Resp: 27489

Ion Ratio Lower Upper

53 100

52 80.2 65.6 98.4

51 36.0 29.5 44.3



#16

Acetone

Concen: 75.418 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW010502.D

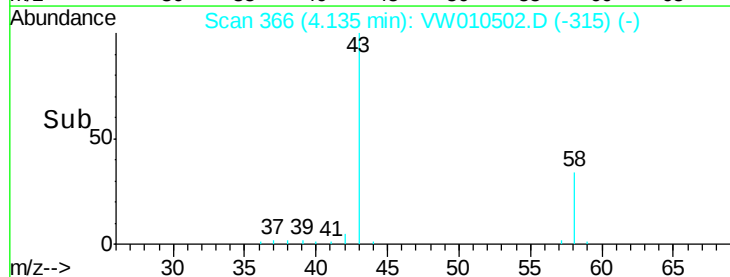
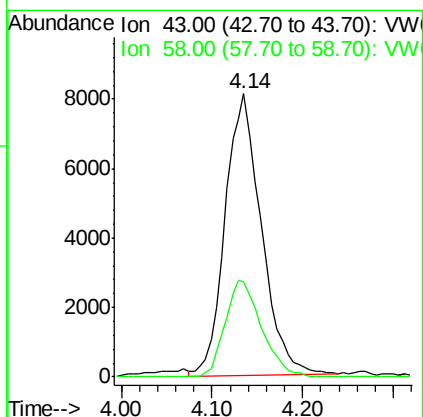
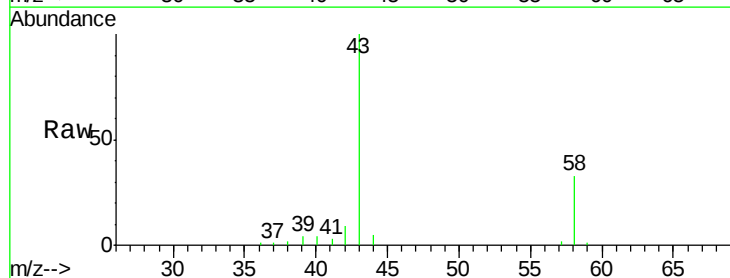
Acq: 22 May 2019 11:30

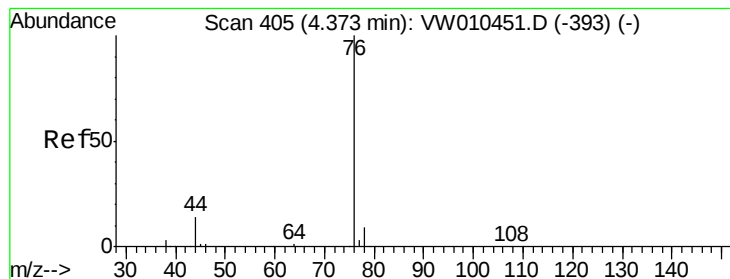
Tgt Ion: 43 Resp: 22440

Ion Ratio Lower Upper

43 100

58 33.8 27.0 40.4





#17

Carbon Disulfide

Concen: 19.610 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

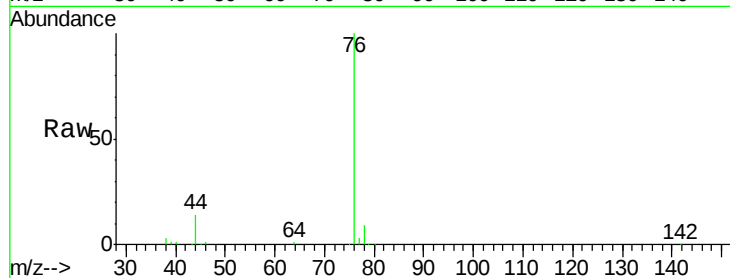
VW0522SBS01

Tot Ion: 76 Resp: 87249

Ion Ratio Lower Upper

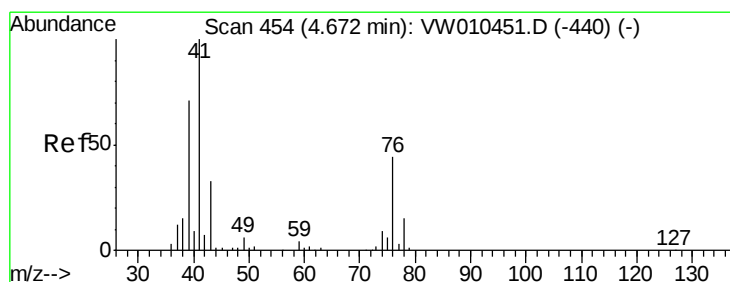
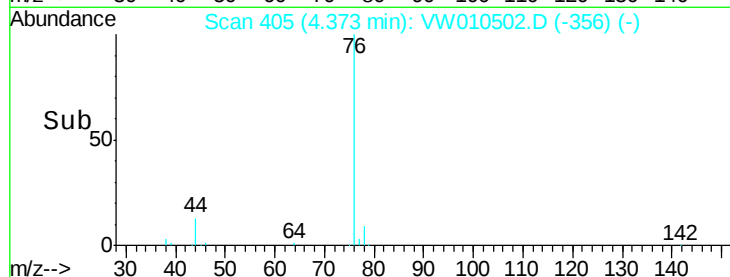
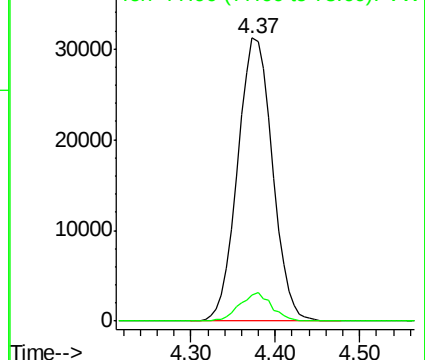
76 100

78 9.2 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 17.263 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW010502.D

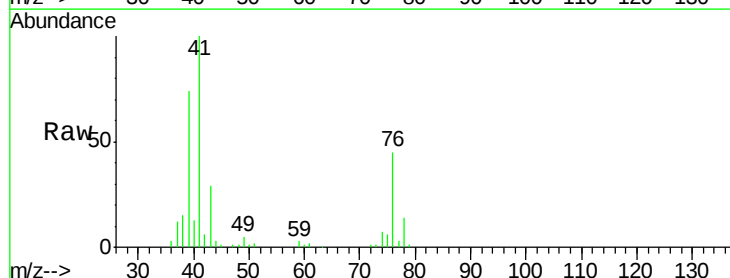
Acq: 22 May 2019 11:30

Tgt Ion: 43 Resp: 12562

Ion Ratio Lower Upper

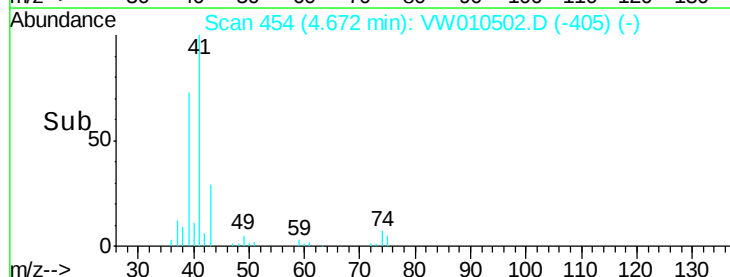
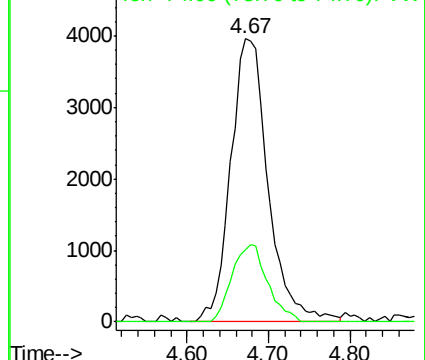
43 100

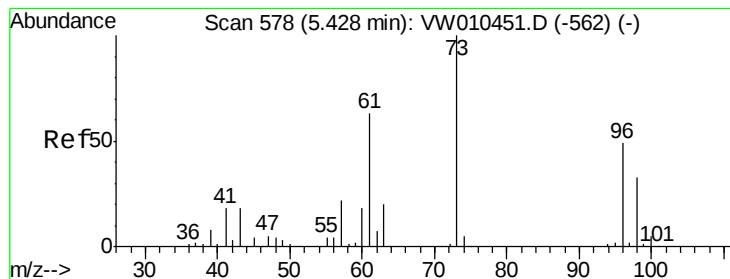
74 26.0 21.6 32.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



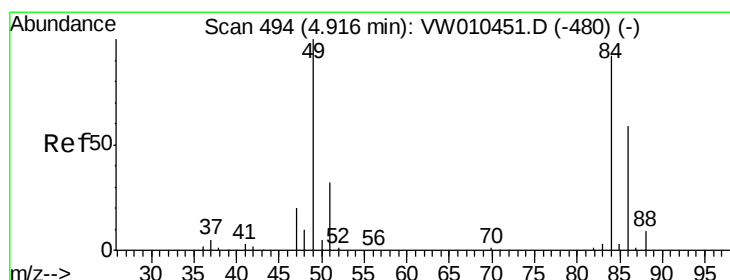
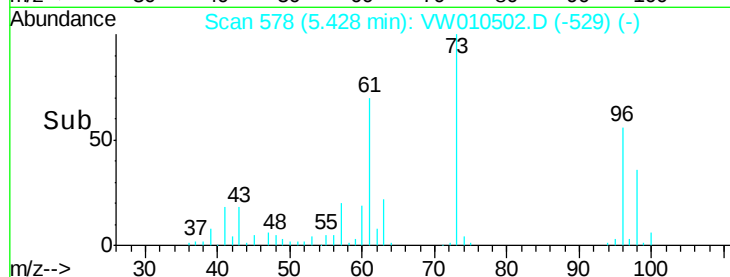
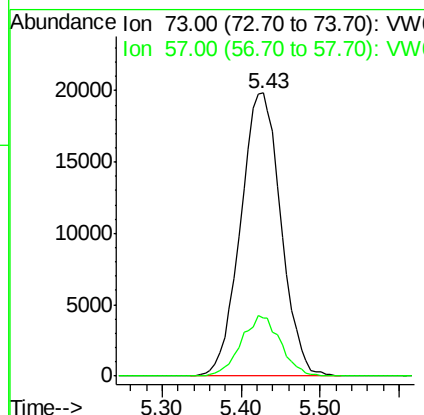
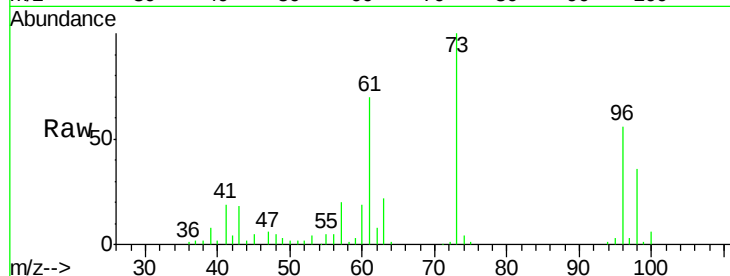


#19

Methyl tert-butyl Ether
 Concen: 18.514 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW010502.D
 Acq: 22 May 2019 11:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0522SBS01

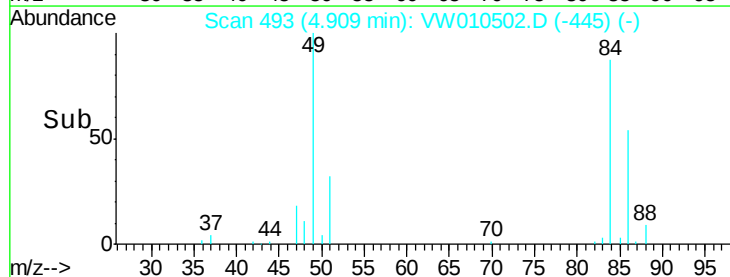
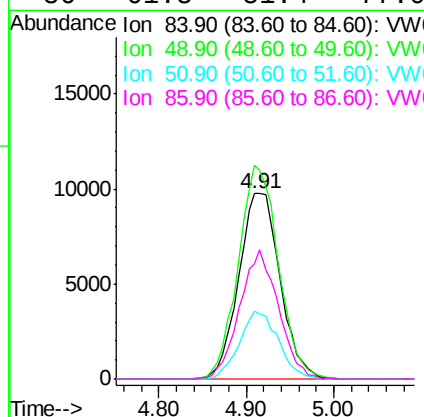
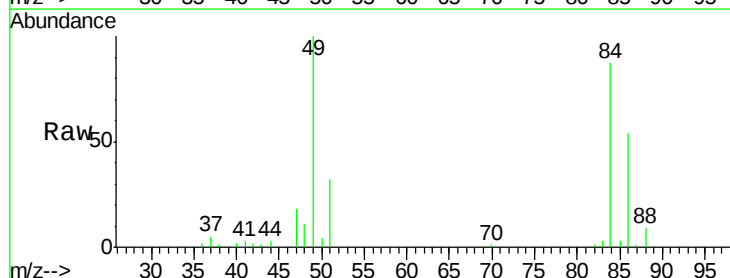
Tot Ion: 73 Resp: 70405
 Ion Ratio Lower Upper
 73 100
 57 20.5 17.4 26.0

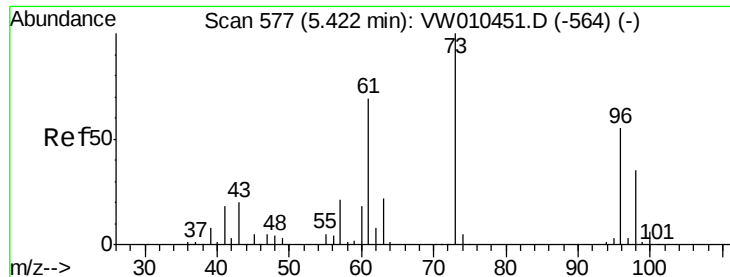


#20

Methylene Chloride
 Concen: 14.827 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW010502.D
 Acq: 22 May 2019 11:30

Tgt Ion: 84 Resp: 32114
 Ion Ratio Lower Upper
 84 100
 49 115.1 87.2 130.8
 51 36.3 27.7 41.5
 86 61.8 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 21.023 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VW0522SBS01

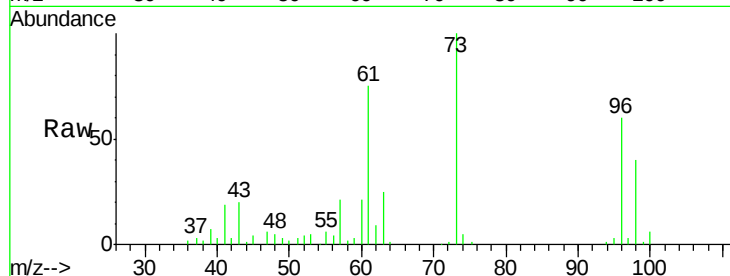
Tot Ion: 96 Resp: 35971

Ion Ratio Lower Upper

96 100

61 125.3 101.4 152.0

98 66.0 50.6 76.0

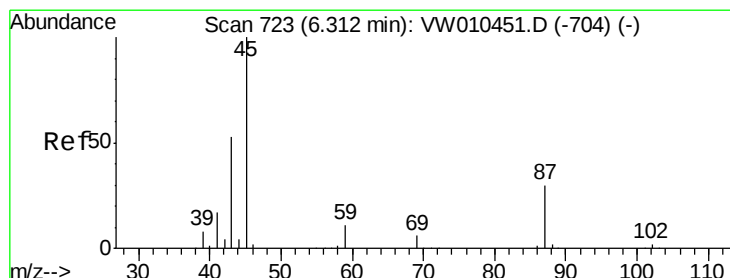
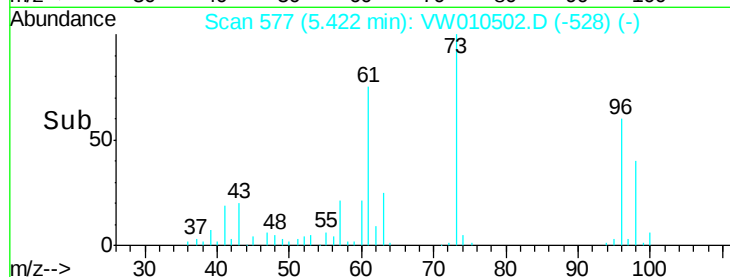
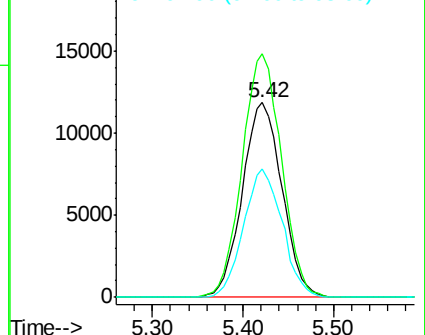


Abundance

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: 19.719 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Tgt Ion: 45 Resp: 87305

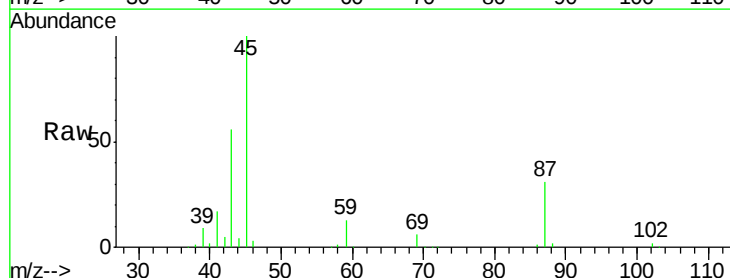
Ion Ratio Lower Upper

45 100

43 55.7 42.9 64.3

87 31.3 24.6 36.8

59 12.7 9.4 14.0



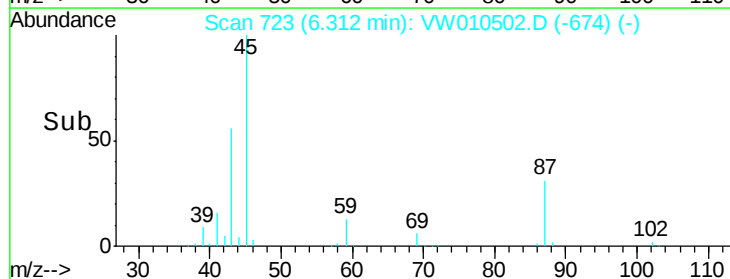
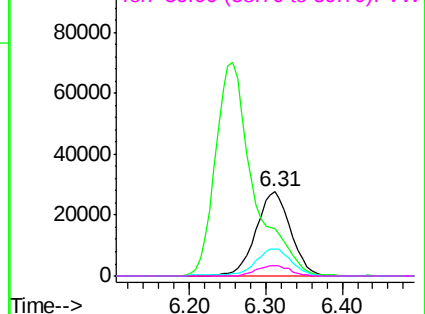
Abundance

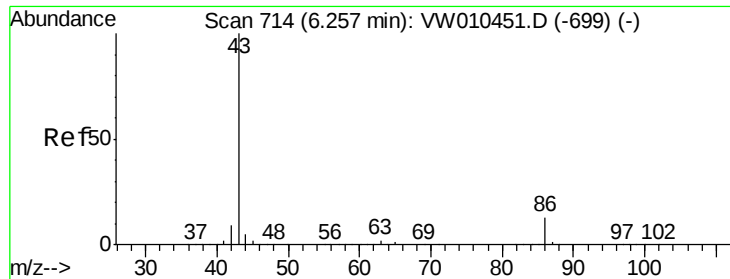
Ion 45.00 (44.70 to 45.70): VW

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: 91.115 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

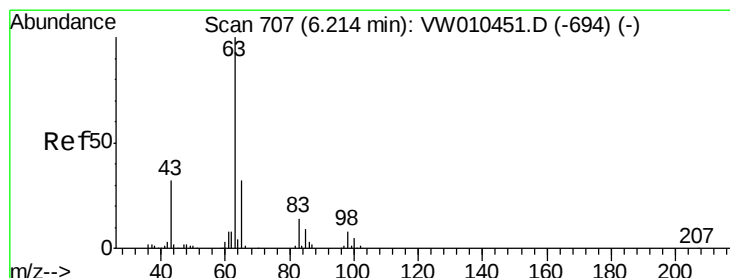
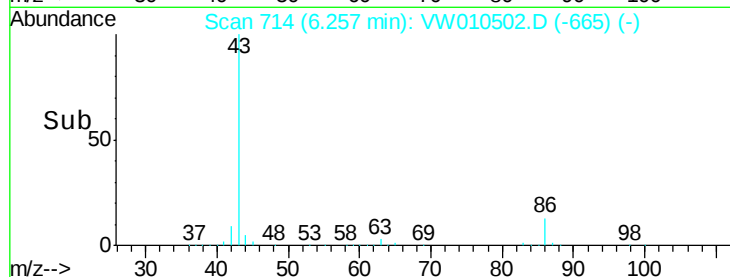
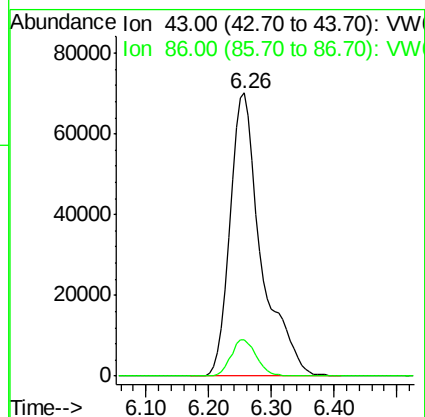
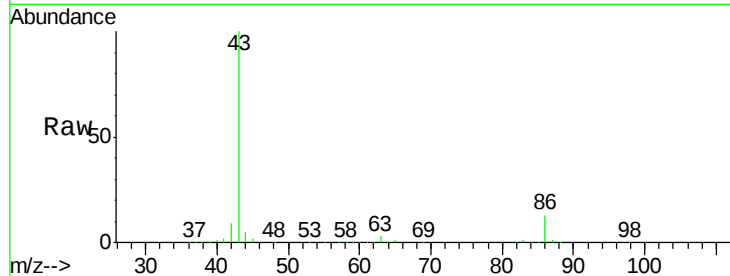
VW0522SBS01

Tot Ion: 43 Resp: 240968

Ion Ratio Lower Upper

43 100

86 12.9 10.3 15.5



#24

1,1-Dichloroethane

Concen: 21.303 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

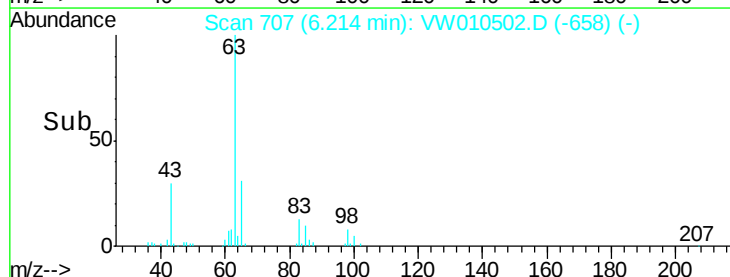
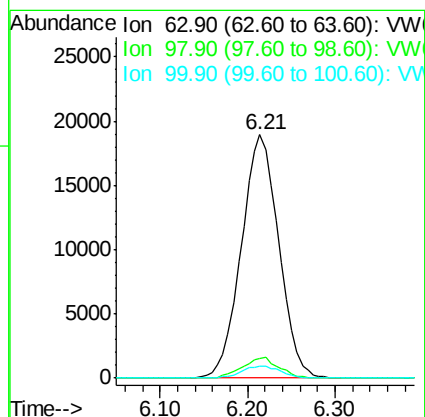
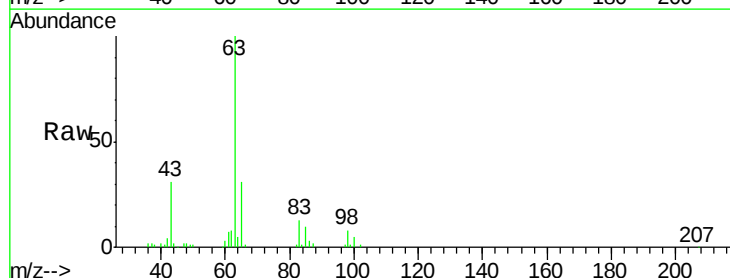
Tgt Ion: 63 Resp: 56285

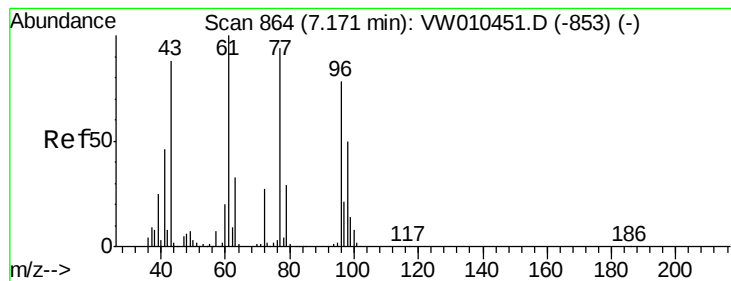
Ion Ratio Lower Upper

63 100

98 7.9 3.8 11.2

100 5.0 2.5 7.4





#25

2-Butanone

Concen: 79.040 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

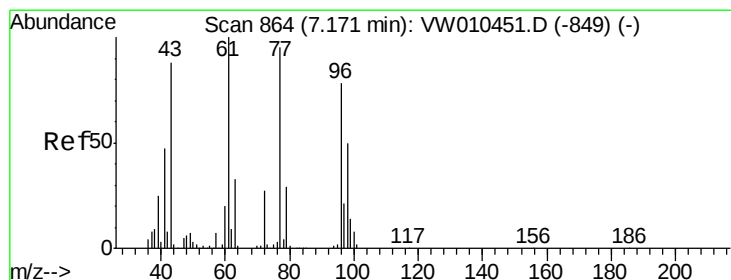
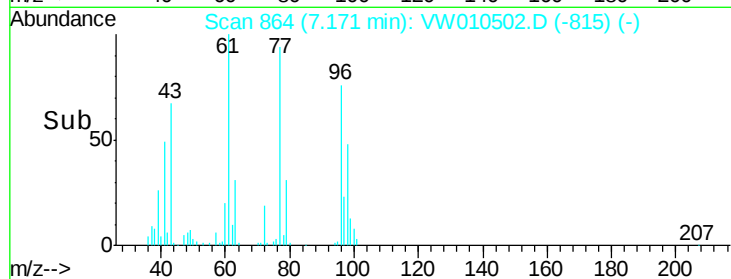
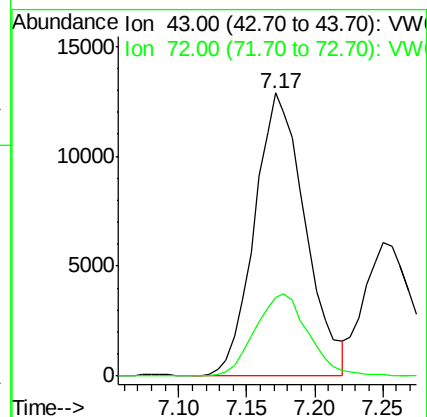
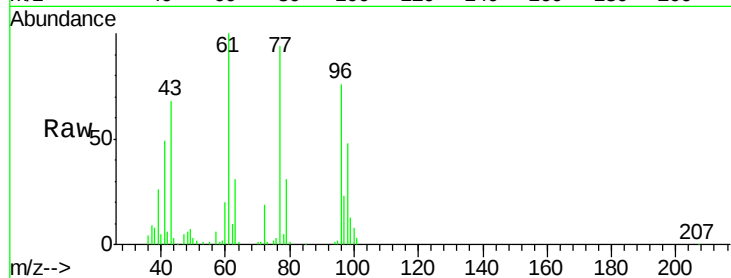
VW0522SBS01

Tot Ion: 43 Resp: 33656

Ion Ratio Lower Upper

43 100

72 28.0 24.1 36.1



#26

2,2-Dichloropropane

Concen: 21.881 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010502.D

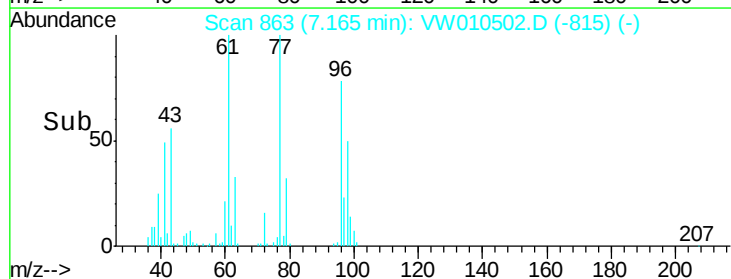
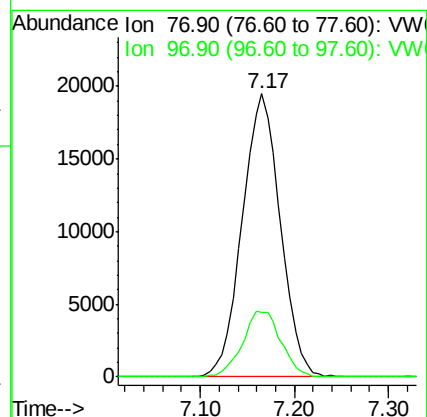
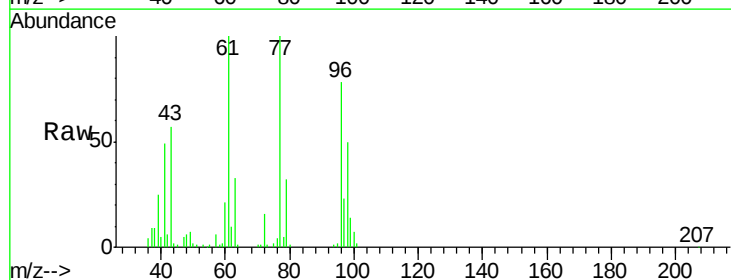
Acq: 22 May 2019 11:30

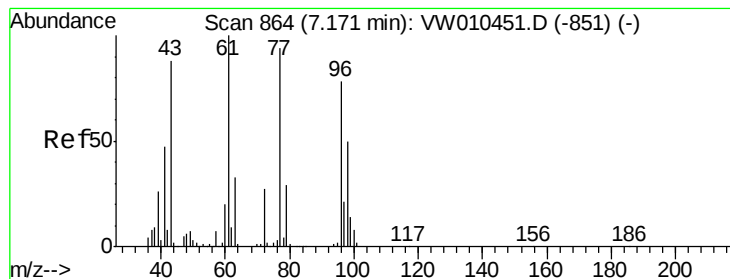
Tgt Ion: 77 Resp: 55068

Ion Ratio Lower Upper

77 100

97 23.6 11.7 35.0



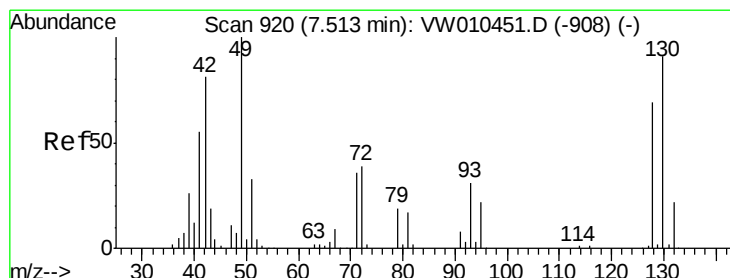
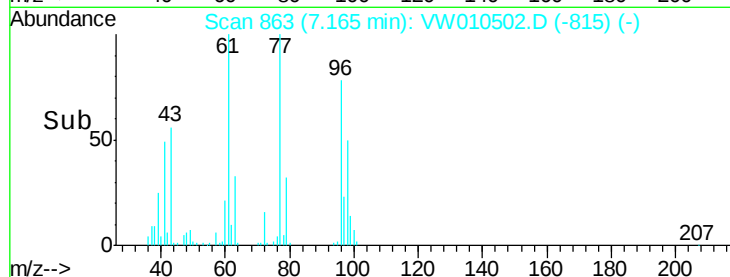
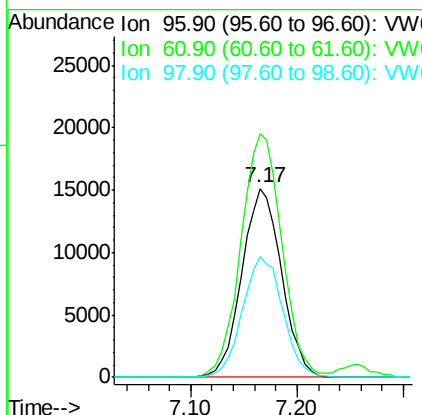
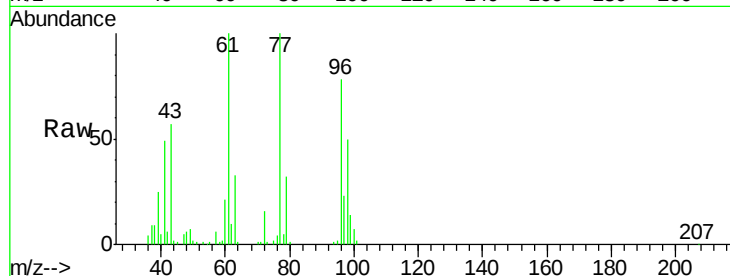


#27

cis-1,2-Dichloroethene
Concen: 21.245 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VW0522SBS01

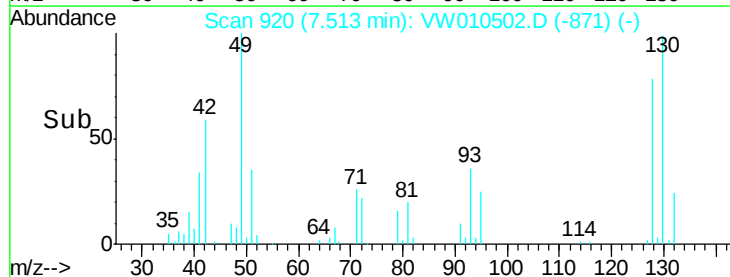
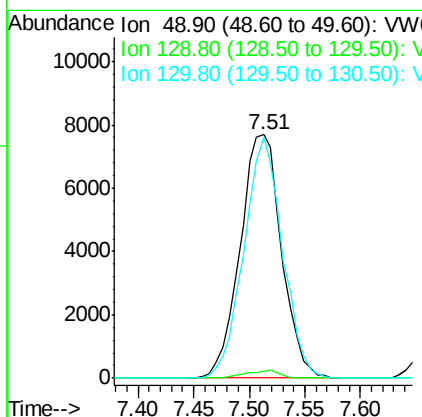
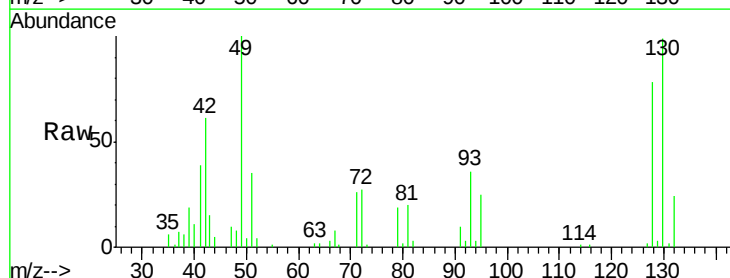
Tot Ion	96	Resp	39519
Ion	Ratio	Lower	Upper
96	100		
61	133.4	0.0	265.4
98	64.8	0.0	129.4

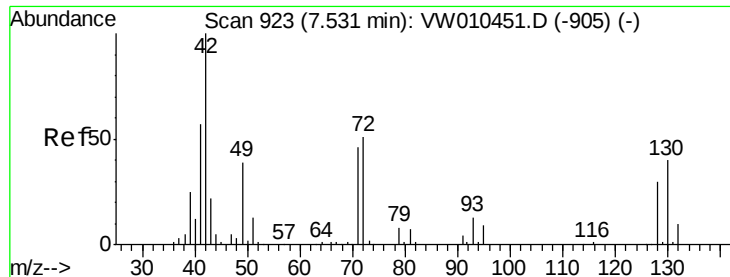


#28

Bromochloromethane
Concen: 20.996 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

Tgt Ion	49	Resp	19861
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.8
130	92.5	71.2	106.8

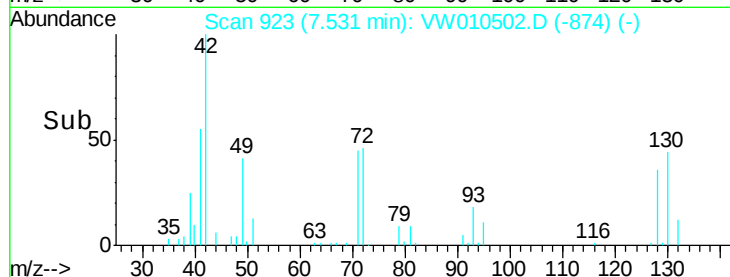
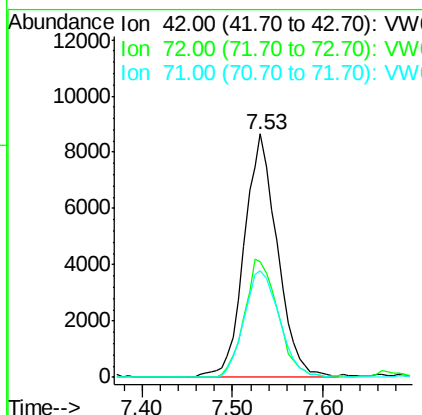
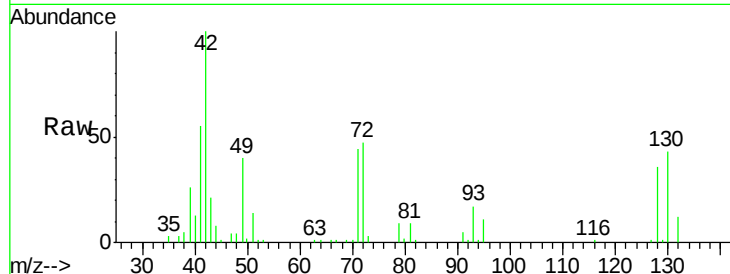




#29
Tetrahydrofuran
Concen: 76.100 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

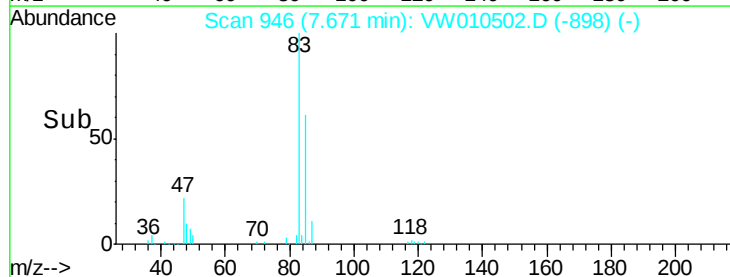
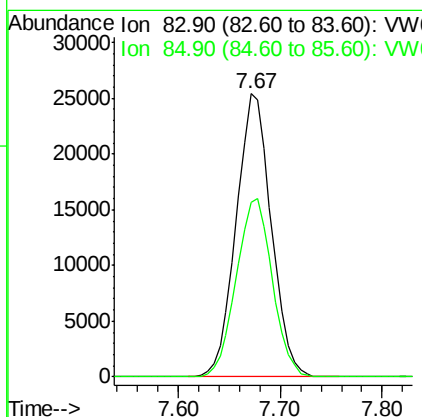
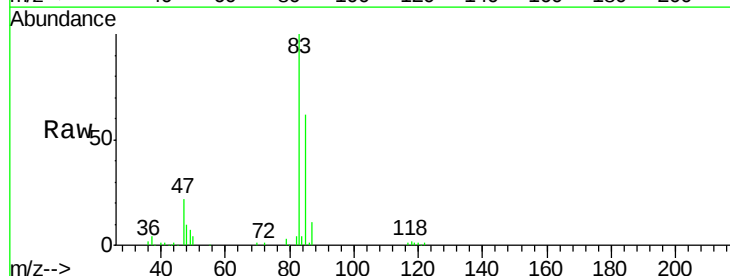
Instrument :
MSVOA_W
ClientSampleId :
VW0522SBS01

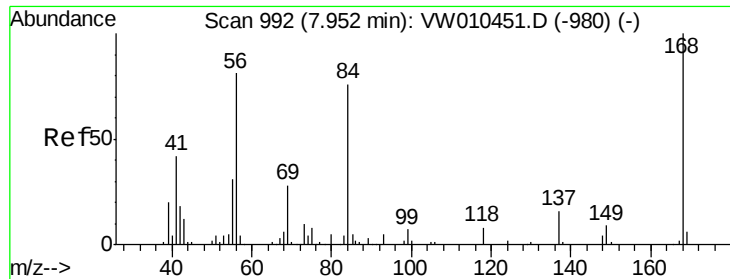
Tot Ion: 42 Resp: 21927
Ion Ratio Lower Upper
42 100
72 48.8 38.5 57.7
71 46.4 36.5 54.7



#30
Chloroform
Concen: 21.246 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

Tgt Ion: 83 Resp: 60547
Ion Ratio Lower Upper
83 100
85 61.6 52.2 78.4

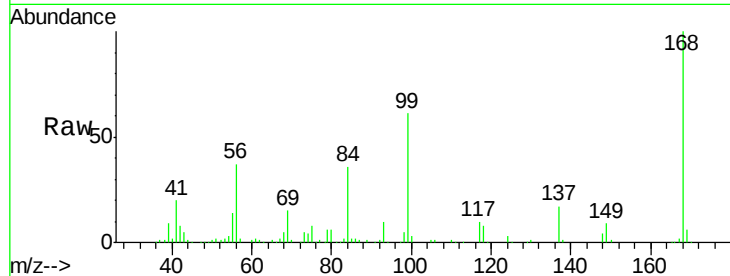




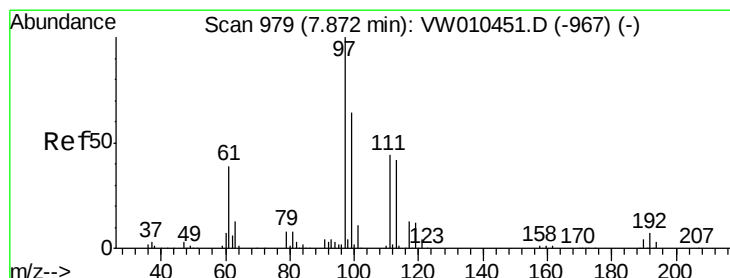
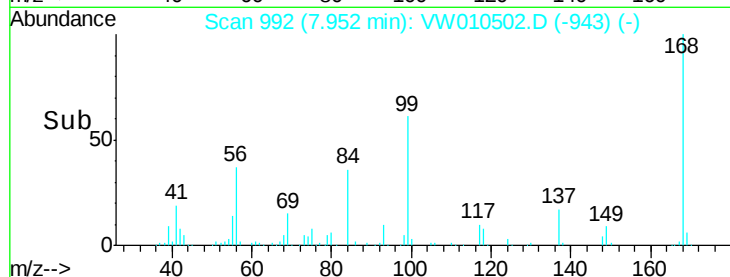
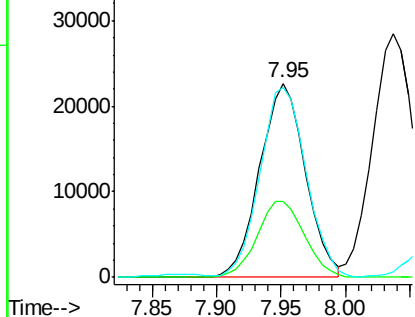
#31
Cyclohexane
Concen: 20.159 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VW0522SBS01

Tot Ion	56	Resp	55791
Ion Ratio	Lower	Upper	
56	100		
69	39.1	28.2	42.2
84	96.8	75.8	113.8

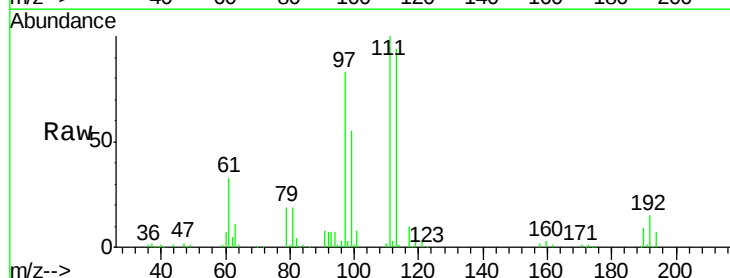


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

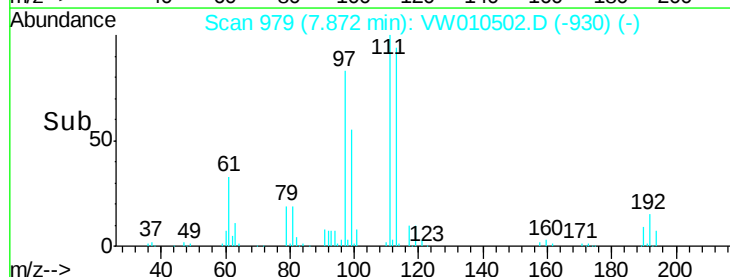
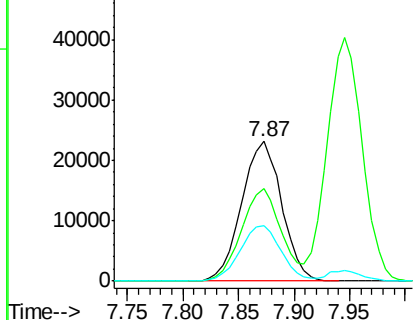


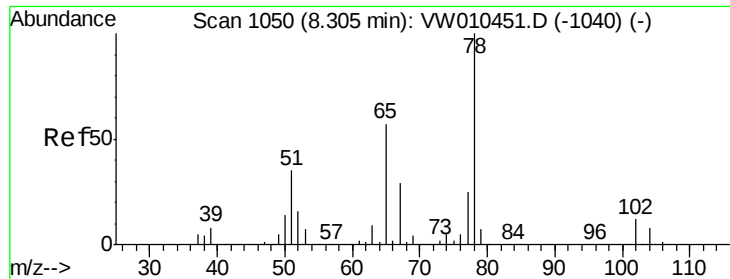
#32
1,1,1-Trichloroethane
Concen: 21.250 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

Tgt Ion	97	Resp	57881
Ion Ratio	Lower	Upper	
97	100		
99	66.5	50.8	76.2
61	40.5	32.1	48.1



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

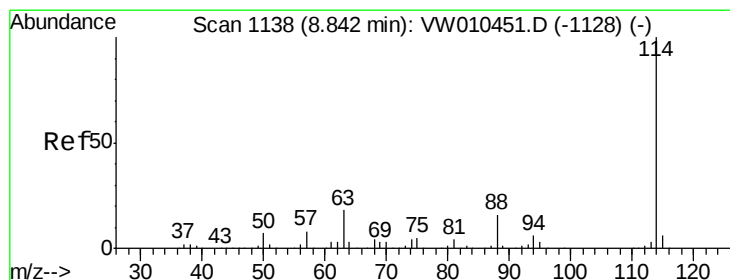
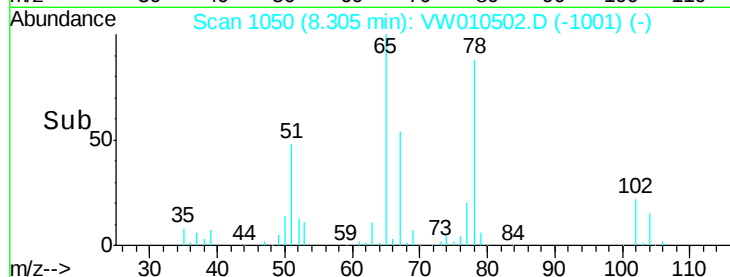
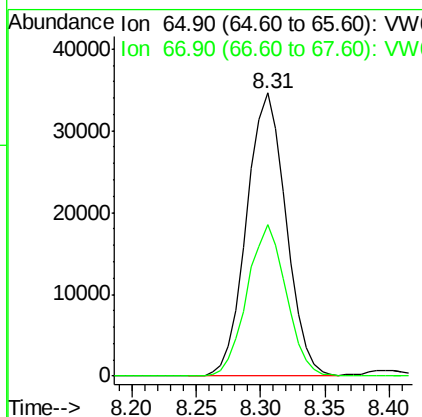
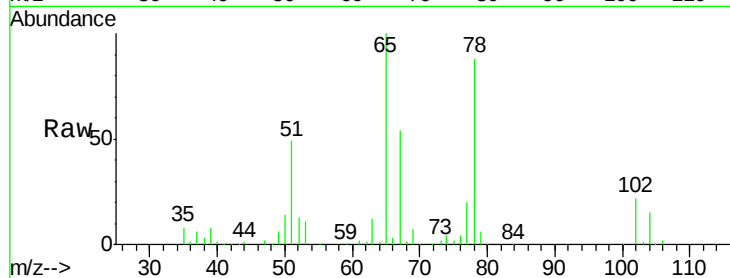




#33
 1,2-Dichloroethane-d4
 Concen: 50.381 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010502.D
 Acq: 22 May 2019 11:30

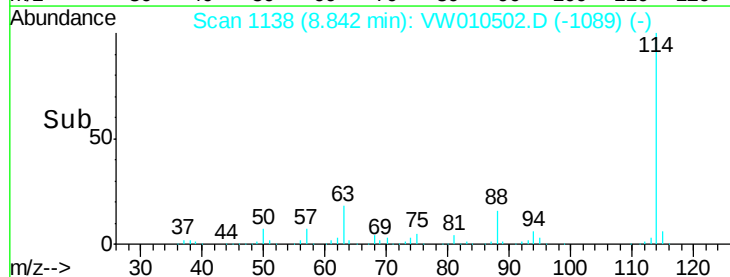
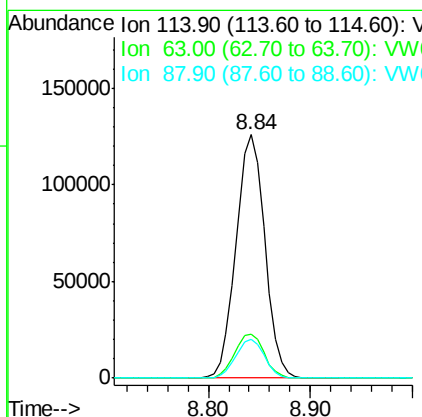
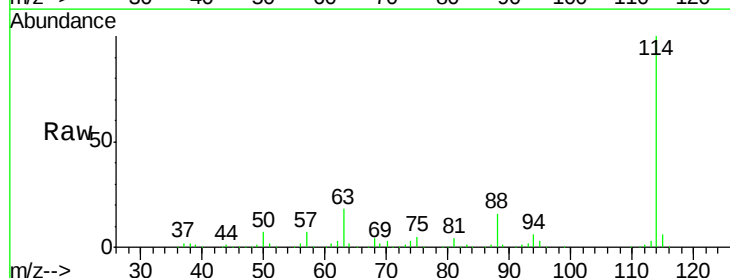
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0522SBS01

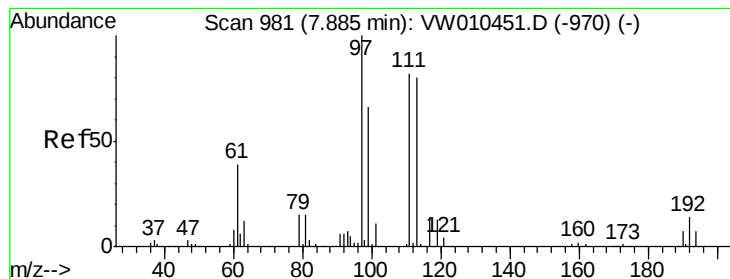
Tot Ion: 65 Resp: 73438
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010502.D
 Acq: 22 May 2019 11:30

Tgt Ion: 114 Resp: 246522
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 36.0
 88 15.9 0.0 32.0





#35

Dibromofluoromethane

Concen: 51.991 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VW0522SBS01

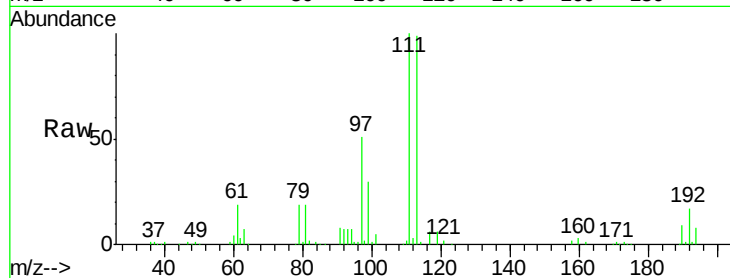
Tot Ion:113 Resp: 77771

Ion Ratio Lower Upper

113 100

111 103.0 82.2 123.4

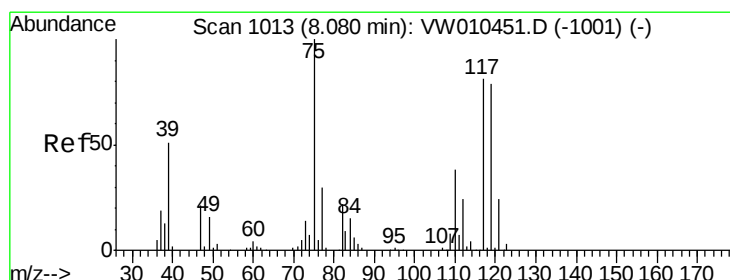
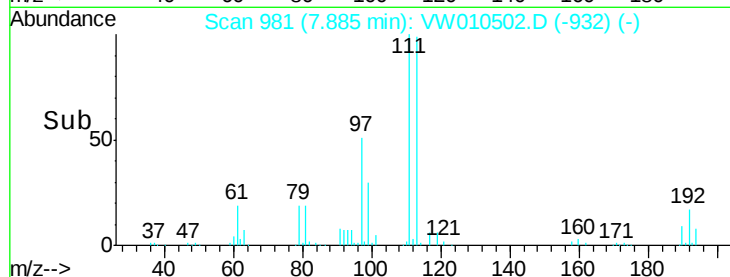
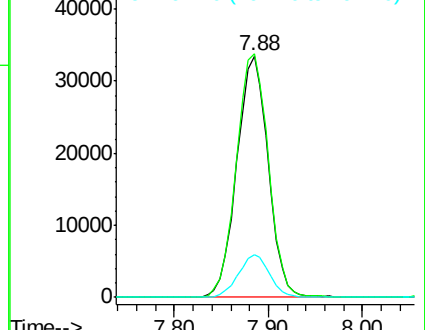
192 17.6 14.3 21.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 21.232 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

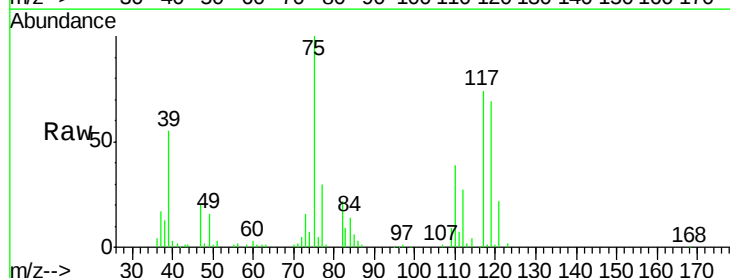
Tgt Ion: 75 Resp: 48759

Ion Ratio Lower Upper

75 100

110 38.2 19.2 57.6

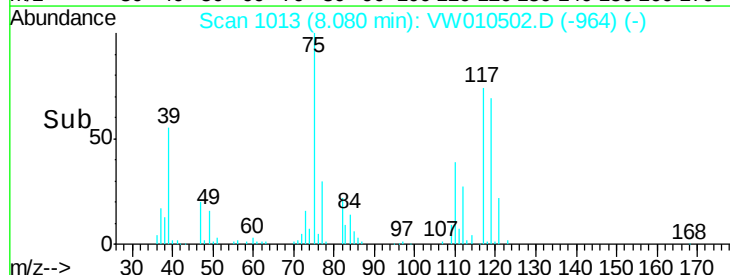
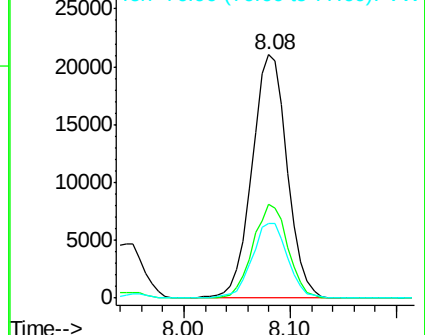
77 31.1 25.2 37.8

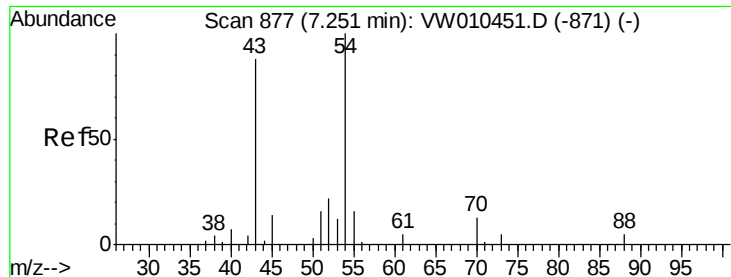


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

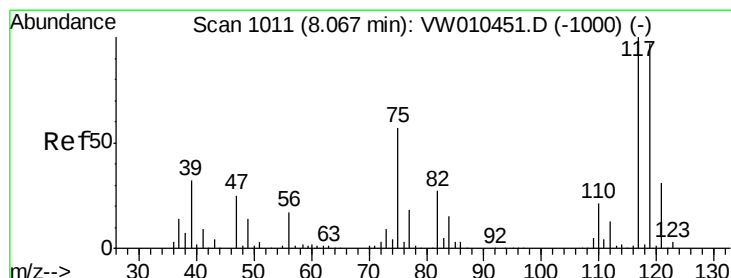
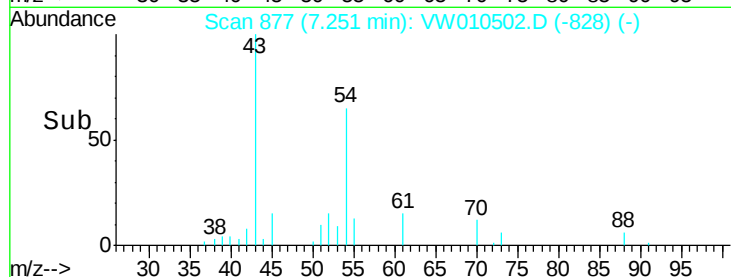
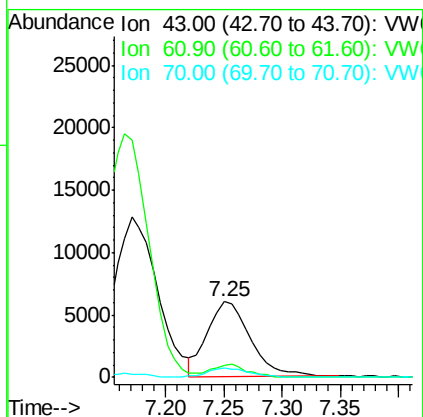
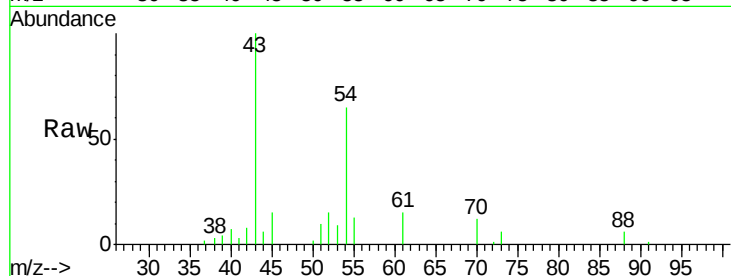




#37
Ethyl Acetate
Concen: 15.640 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

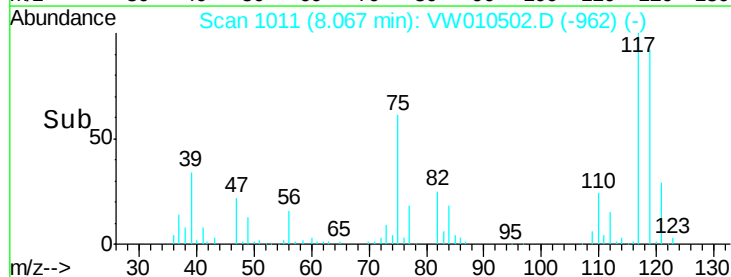
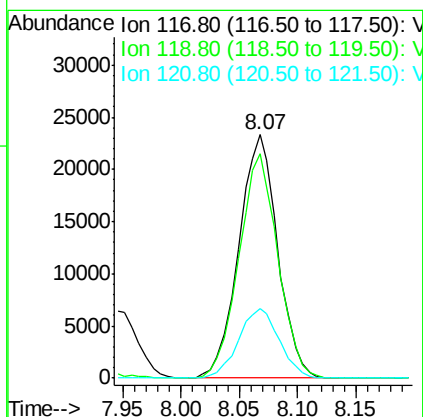
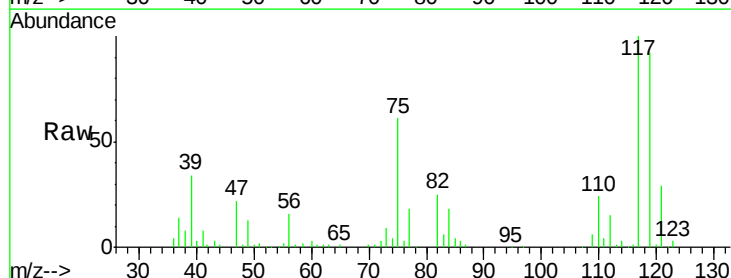
Instrument :
MSVOA_W
ClientSampled :
VW0522SBS01

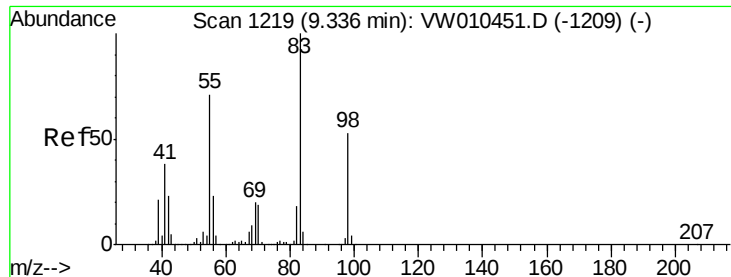
Tot Ion: 43 Resp: 15274
Ion Ratio Lower Upper
43 100
61 14.5 11.2 16.8
70 12.4 9.9 14.9



#38
Carbon Tetrachloride
Concen: 21.774 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

Tgt Ion: 117 Resp: 53940
Ion Ratio Lower Upper
117 100
119 92.0 77.4 116.0
121 28.6 25.0 37.6

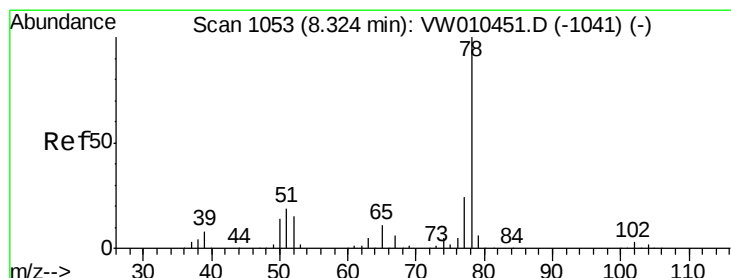
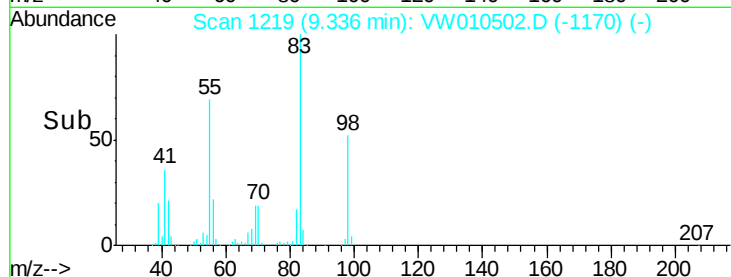
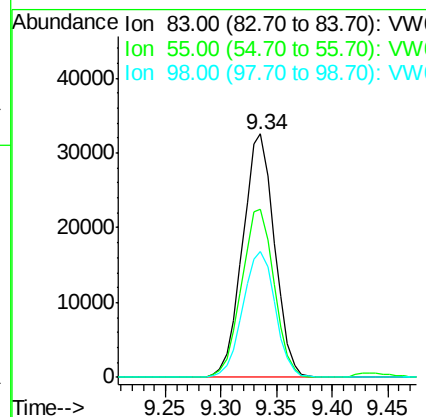
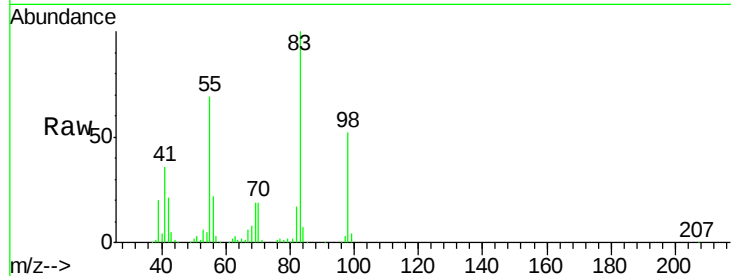




#39
Methvlcvclohexane
Concen: 21.044 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

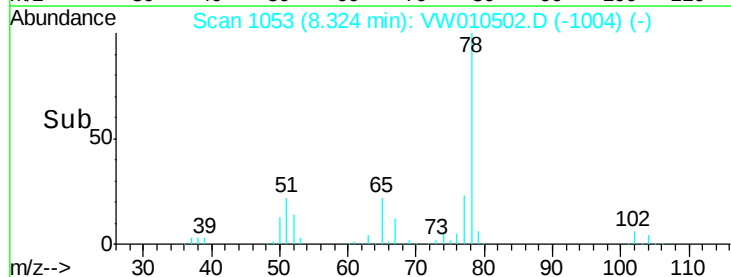
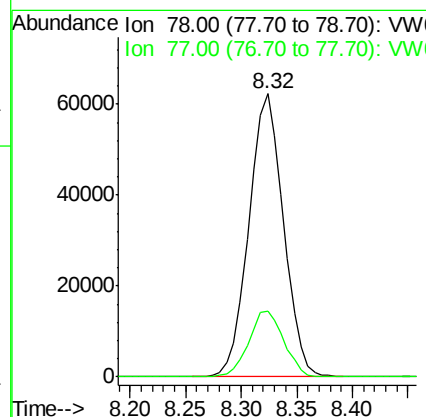
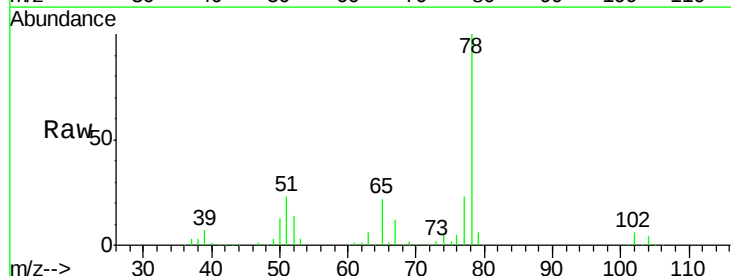
Instrument :
MSVOA_W
ClientSampleId :
VW0522SBS01

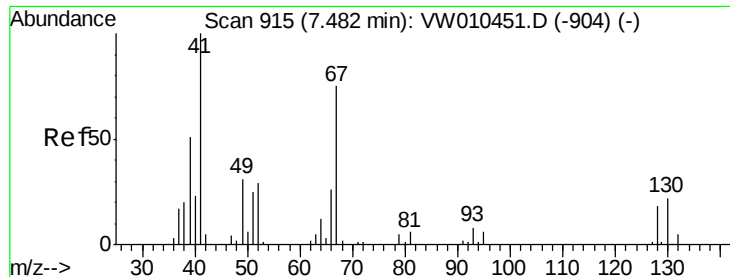
Tot Ion: 83 Resp: 64747
Ion Ratio Lower Upper
83 100
55 68.9 57.0 85.6
98 51.9 42.0 63.0



#40
Benzene
Concen: 21.079 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

Tgt Ion: 78 Resp: 134546
Ion Ratio Lower Upper
78 100
77 23.0 18.9 28.3

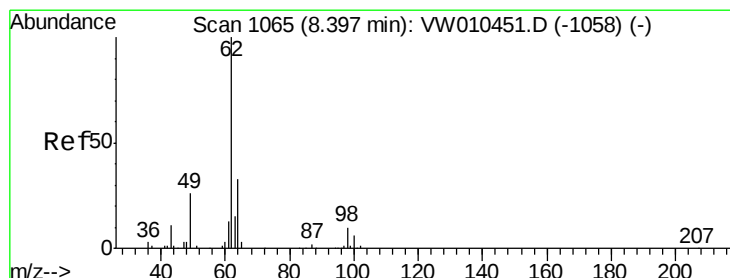
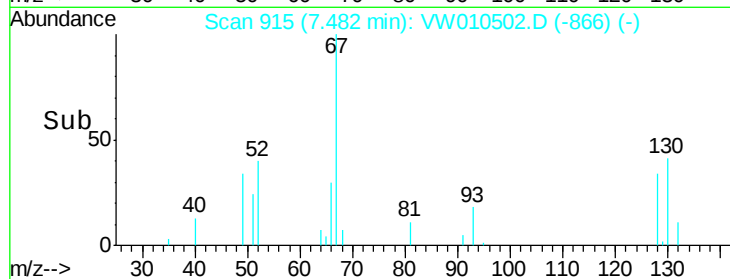
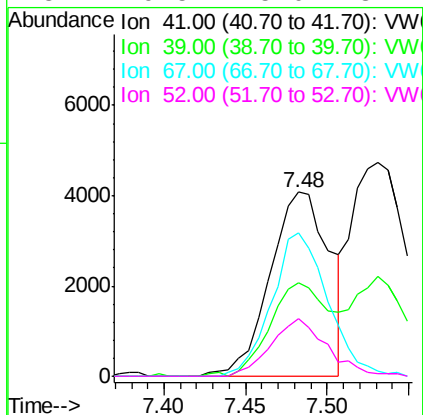
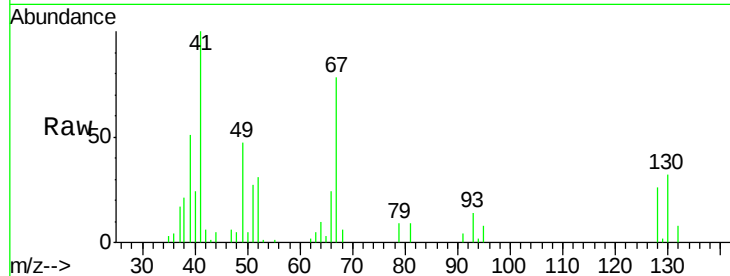




#41
Methacrylonitrile
Concen: 17.765 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

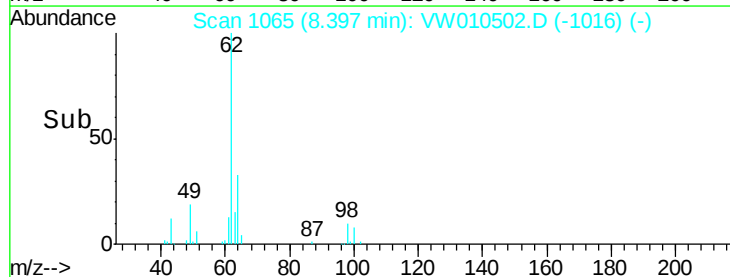
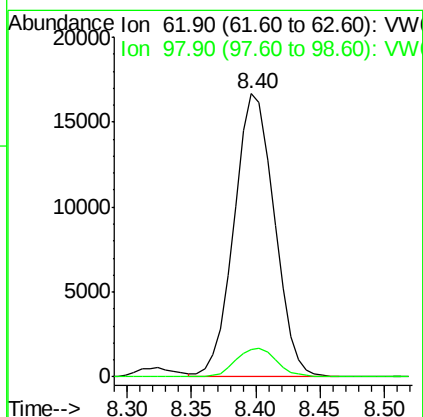
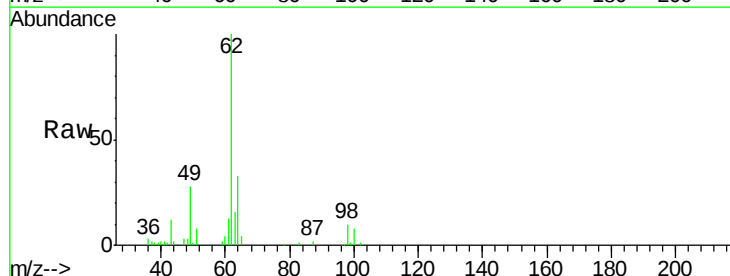
Instrument :
MSVOA_W
ClientSampleId :
VW0522SBS01

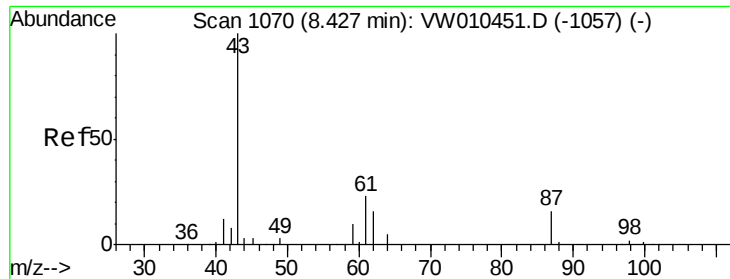
Tot Ion:	41	Resp:	10308
Ion	Ratio	Lower	Upper
41	100		
39	51.0	47.4	71.2
67	73.2	65.5	98.3
52	29.5	25.0	37.4



#42
1,2-Dichloroethane
Concen: 19.866 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

Tgt Ion:	62	Resp:	36241
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	21.0



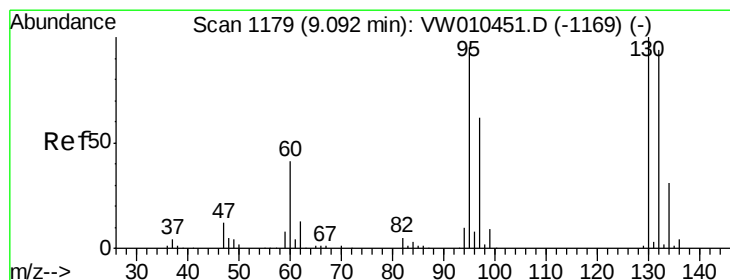
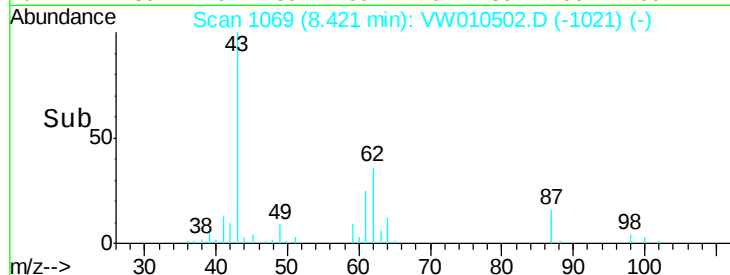
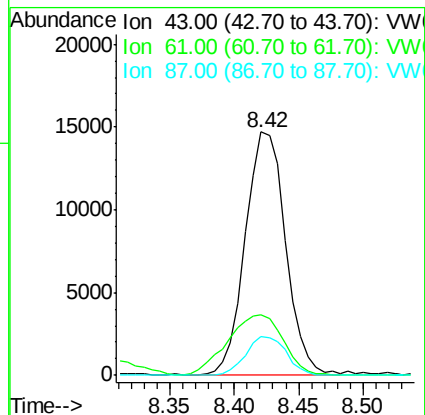
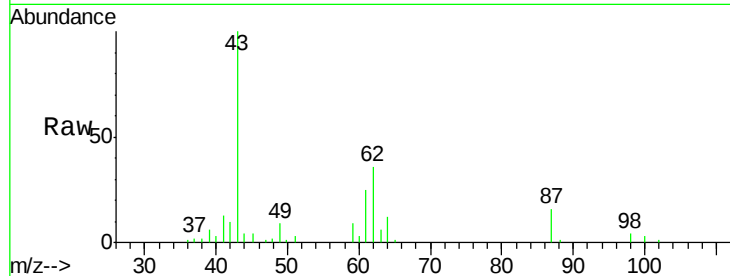


#43

Isopropyl Acetate
 Concen: 16.369 ug/l
 RT: 8.42 min Scan# 1069
 Delta R.T. -0.01 min
 Lab File: VW010502.D
 Acq: 22 May 2019 11:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0522SBS01

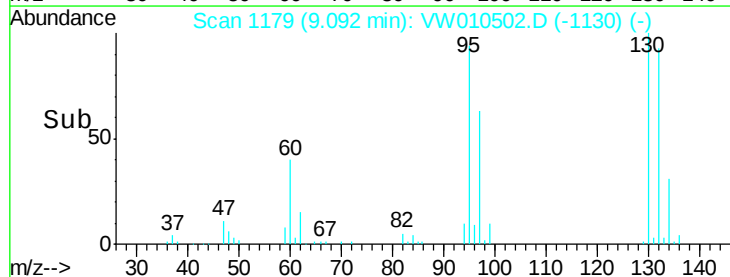
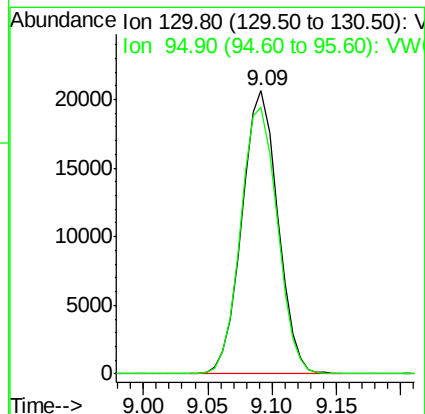
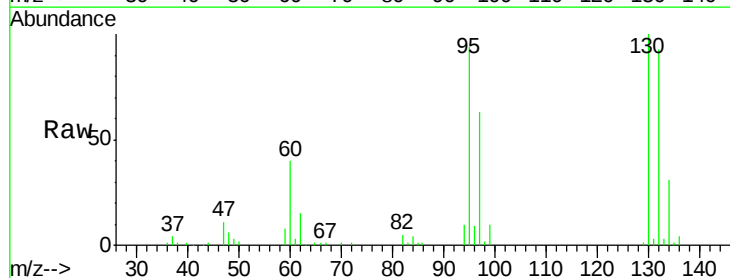
Tot Ion	43	Resp	31936
Ion Ratio	100	Lower	Upper
61	34.3	25.4	38.2
87	16.0	12.7	19.1

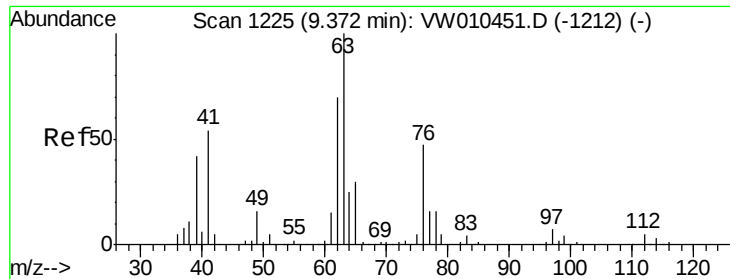


#44

Trichloroethene
 Concen: 21.013 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW010502.D
 Acq: 22 May 2019 11:30

Tgt Ion	130	Resp	39819
Ion Ratio	100	Lower	Upper
95	94.2	0.0	189.6

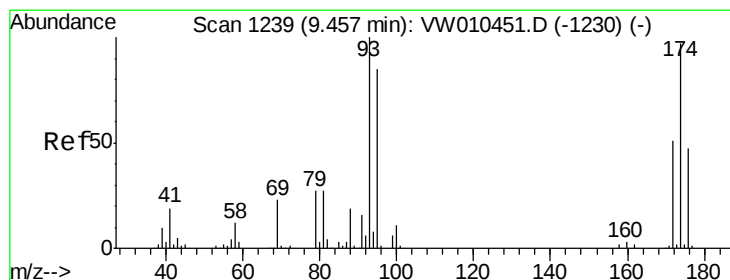
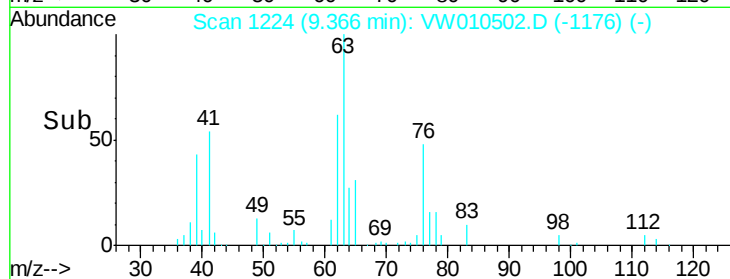
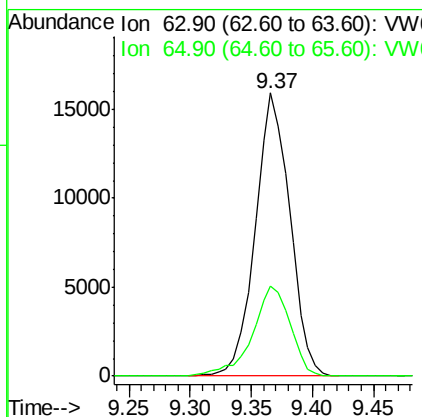
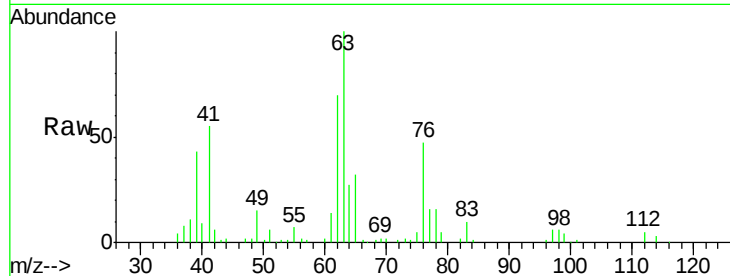




#45
 1,2-Dichloropropane
 Concen: 20.715 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW010502.D
 Acq: 22 May 2019 11:30

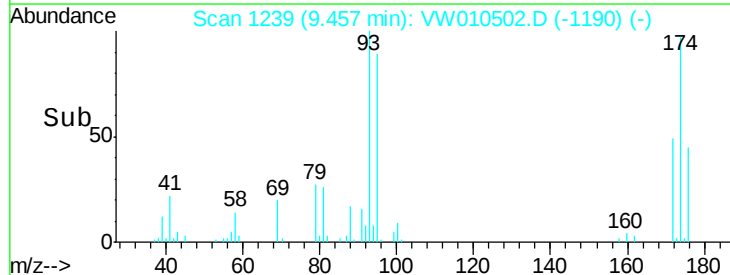
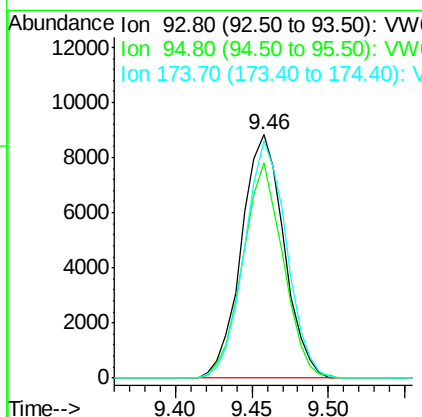
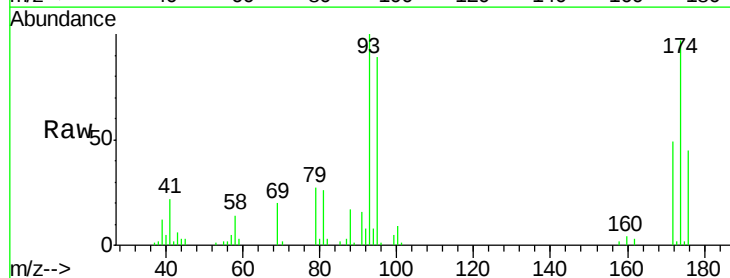
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0522SBS01

Tot Ion: 63 Resp: 31402
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.3 36.5



#46
 Dibromomethane
 Concen: 19.294 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW010502.D
 Acq: 22 May 2019 11:30

Tgt Ion: 93 Resp: 17105
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.1 99.1
 174 96.3 77.1 115.7

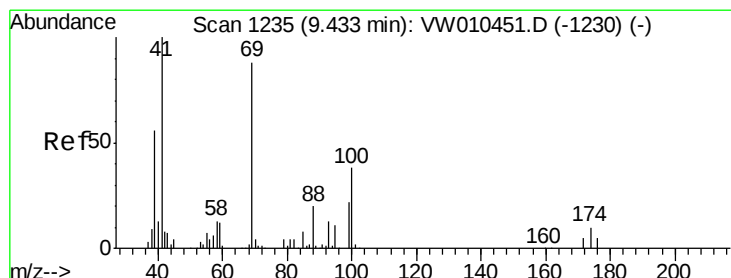
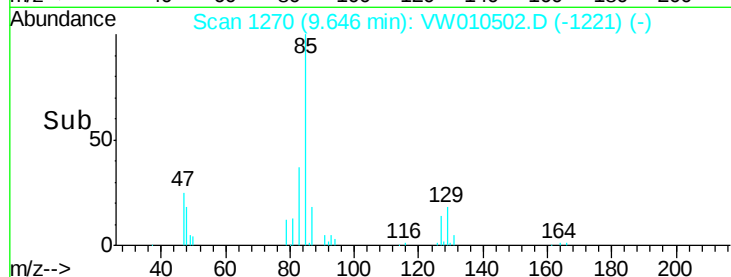
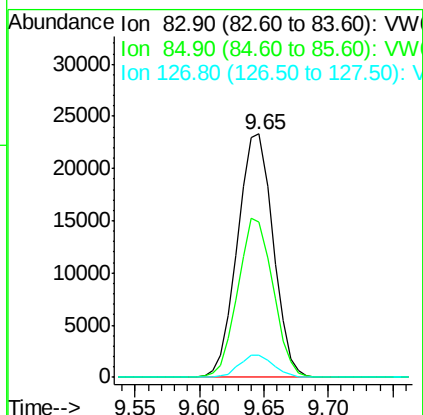
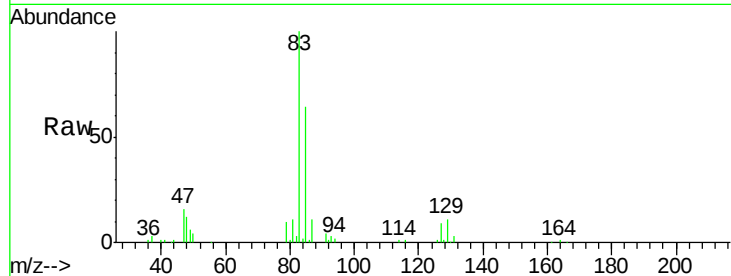




#47
Bromodichloromethane
Concen: 20.092 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

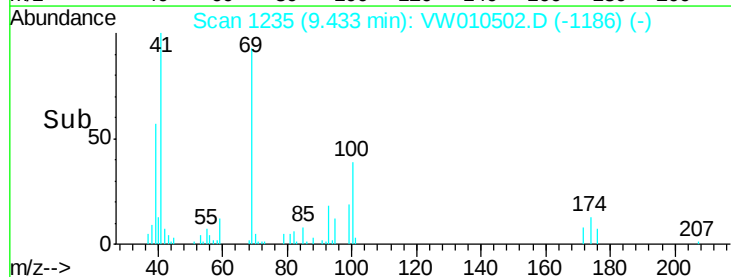
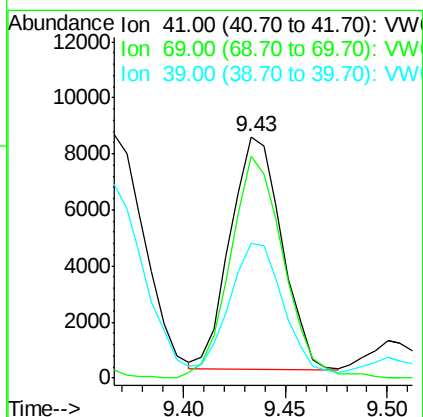
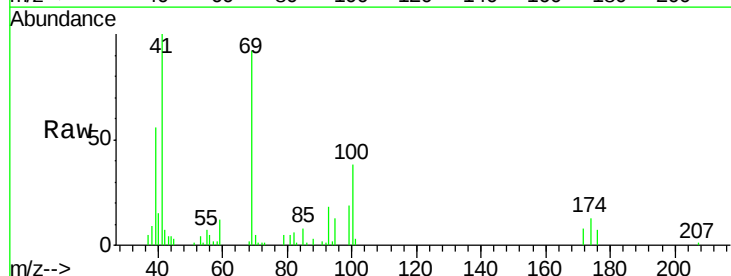
Instrument :
MSVOA_W
ClientSampleId :
VW0522SBS01

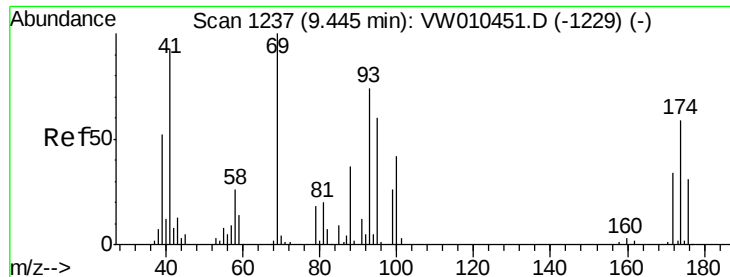
Tot Ion: 83 Resp: 44763
Ion Ratio Lower Upper
83 100
85 64.0 50.4 75.6
127 9.3 7.4 11.0



#48
Methyl methacrylate
Concen: 16.225 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

Tgt Ion: 41 Resp: 14482
Ion Ratio Lower Upper
41 100
69 98.9 77.6 116.4
39 56.6 49.8 74.8

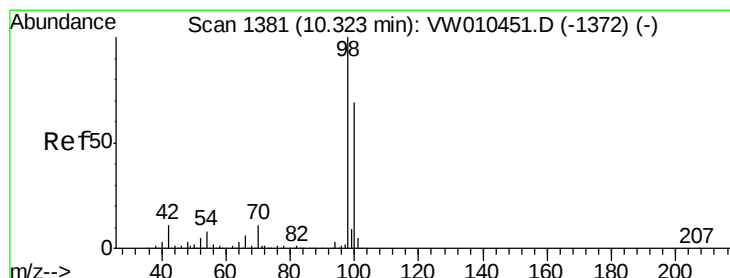
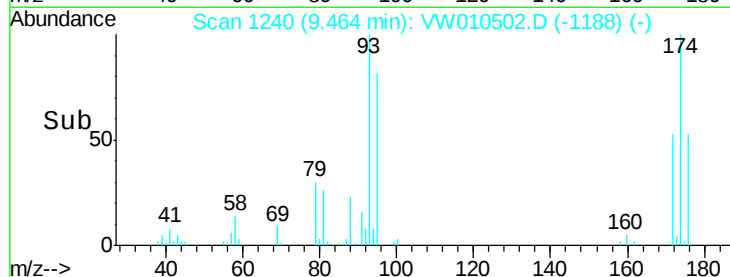
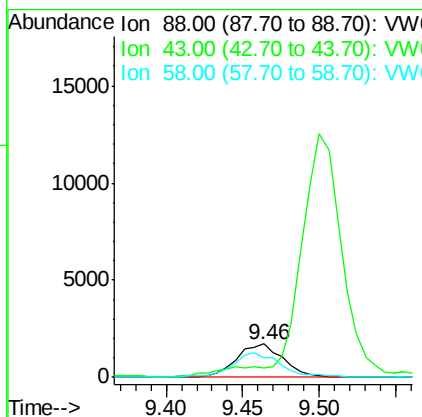
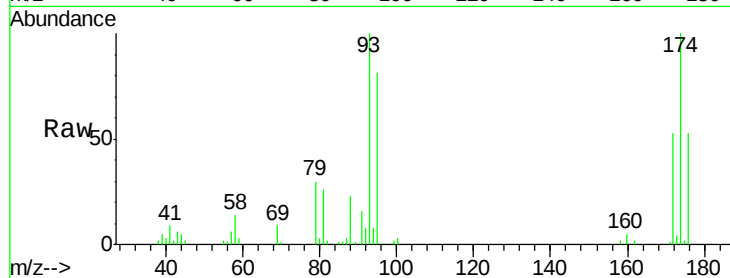




#49
 1,4-Dioxane
 Concen: 248.993 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.02 min
 Lab File: VW010502.D
 Acq: 22 May 2019 11:30

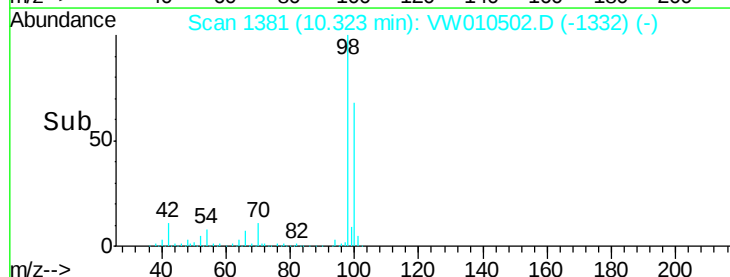
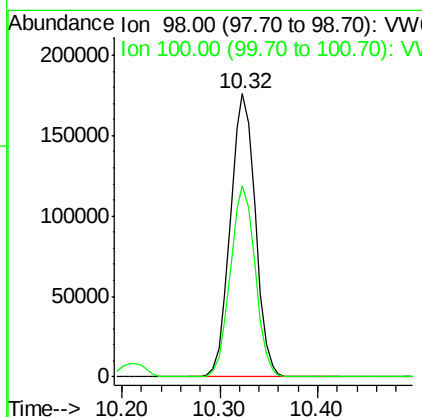
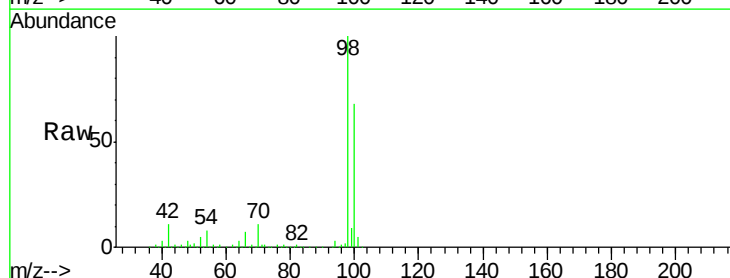
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0522SBS01

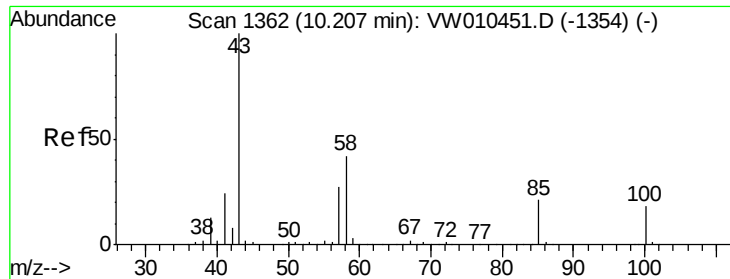
Tot Ion: 88 Resp: 3606
 Ion Ratio Lower Upper
 88 100
 43 34.4 25.9 38.9
 58 78.1 52.7 79.1



#50
 Toluene-d8
 Concen: 54.414 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW010502.D
 Acq: 22 May 2019 11:30

Tgt Ion: 98 Resp: 310949
 Ion Ratio Lower Upper
 98 100
 100 66.9 53.7 80.5





#51

4-Methyl-2-Pentanone

Concen: 78.804 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

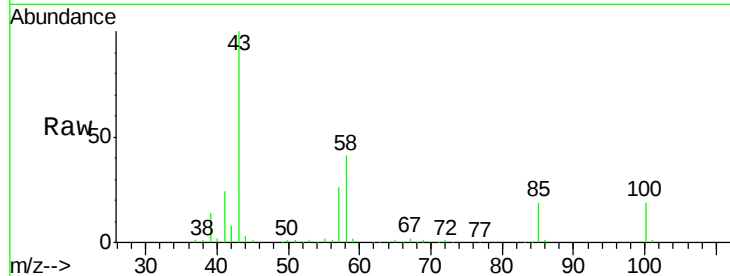
VW0522SBS01

Tot Ion: 43 Resp: 77906

Ion Ratio Lower Upper

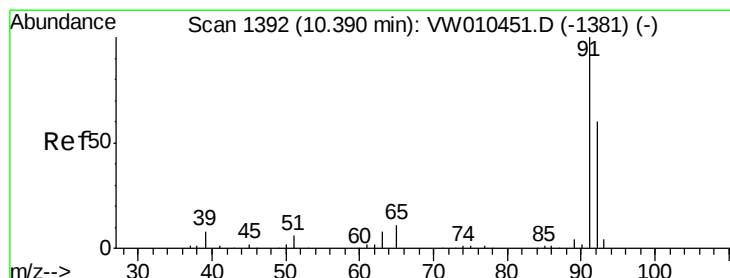
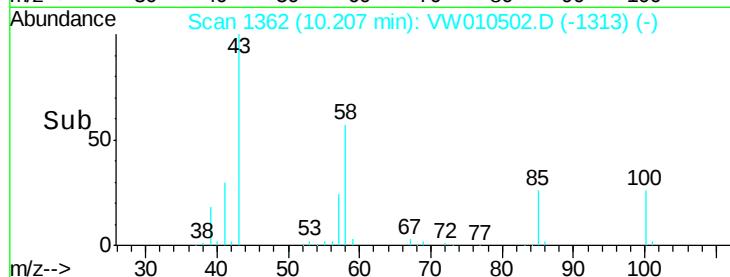
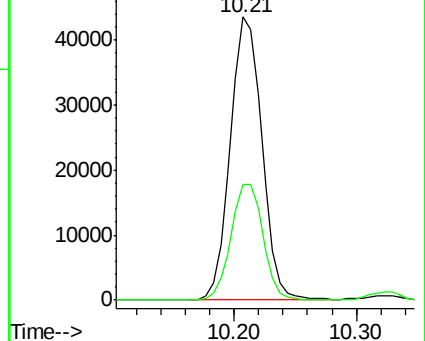
43 100

58 41.5 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: 21.355 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010502.D

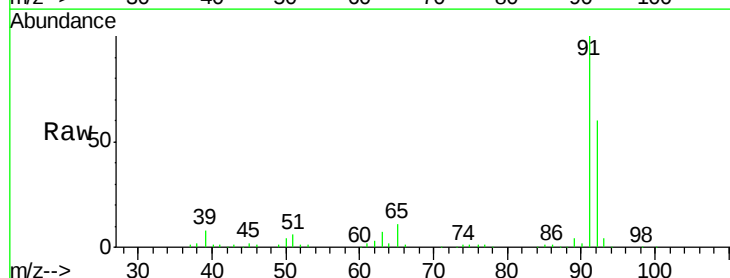
Acq: 22 May 2019 11:30

Tgt Ion: 92 Resp: 91540

Ion Ratio Lower Upper

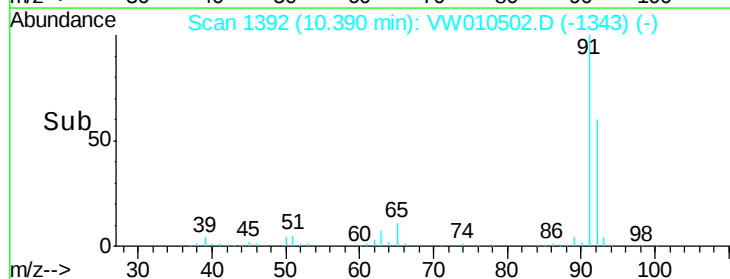
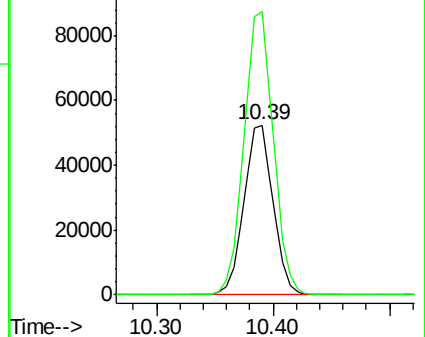
92 100

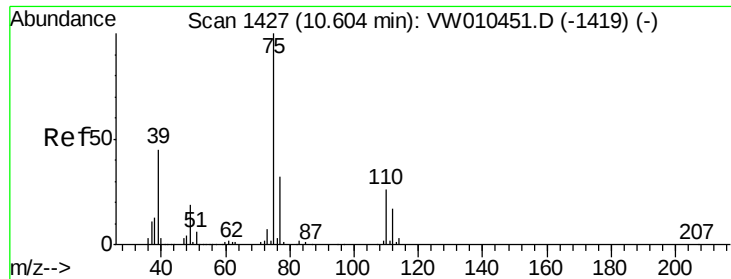
91 168.5 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

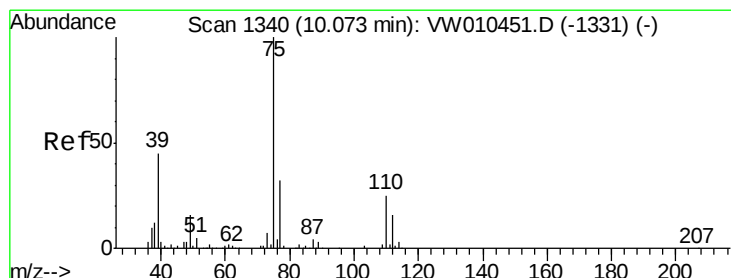
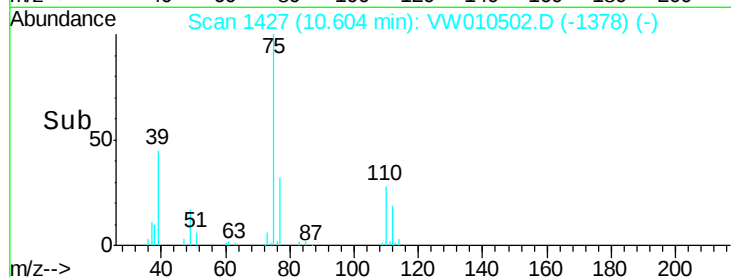
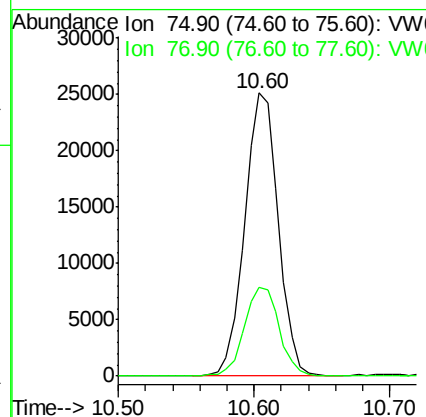
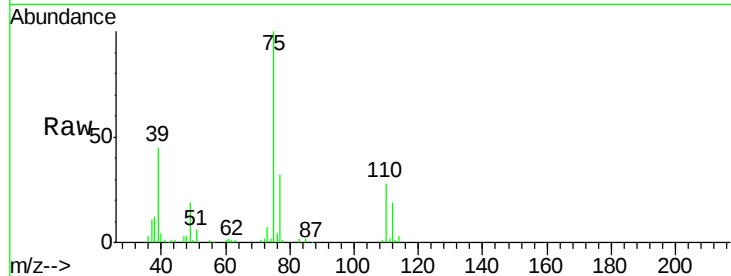




#53
 t-1,3-Dichloropropene
 Concen: 19.176 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW010502.D
 Acq: 22 May 2019 11:30

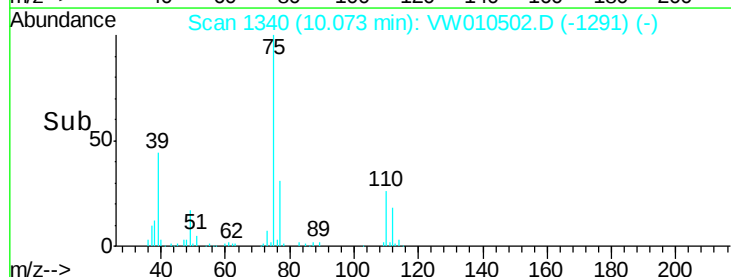
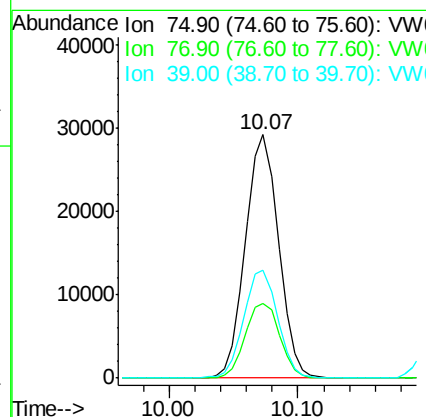
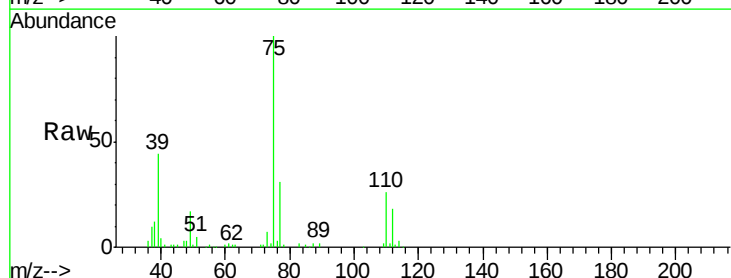
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0522SBS01

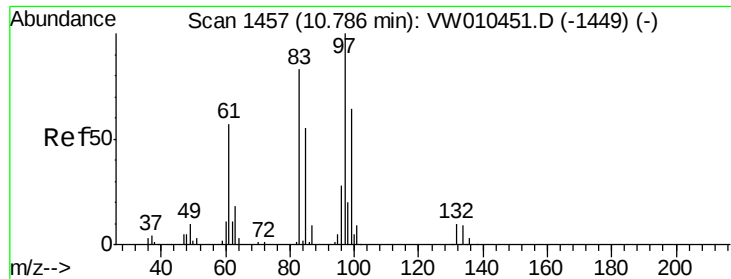
Tot Ion: 75 Resp: 43267
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 20.173 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW010502.D
 Acq: 22 May 2019 11:30

Tgt Ion: 75 Resp: 51984
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.7 38.5
 39 44.2 36.2 54.4

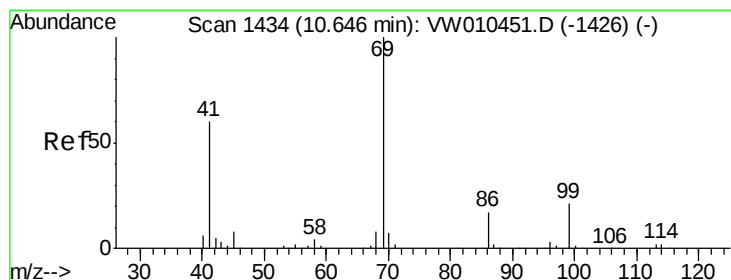
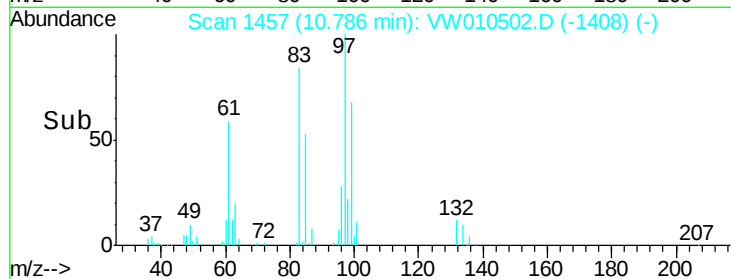
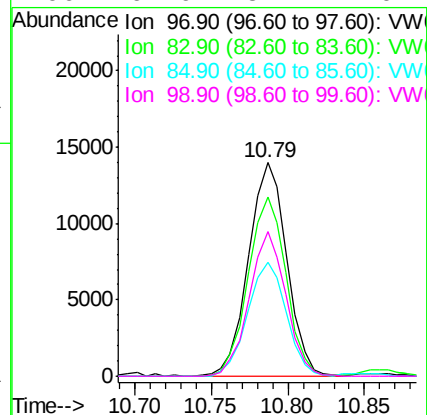
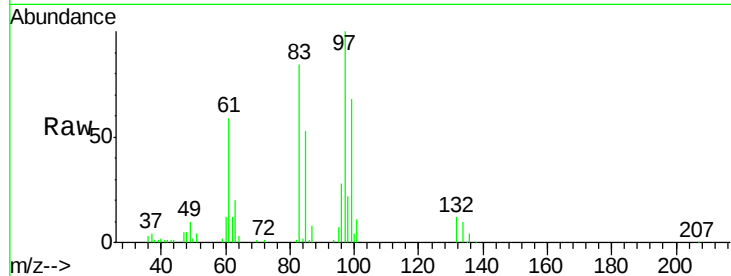




#55
 1,1,2-Trichloroethane
 Concen: 19.140 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010502.D
 Acq: 22 May 2019 11:30

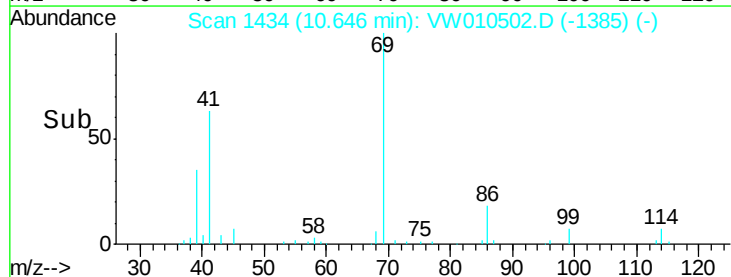
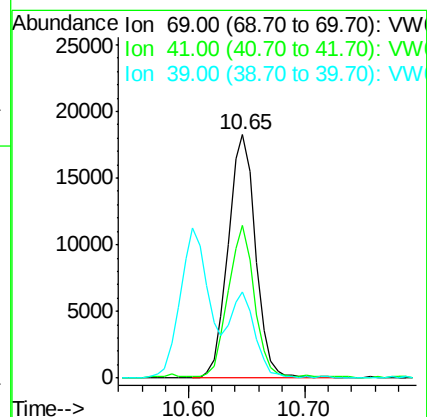
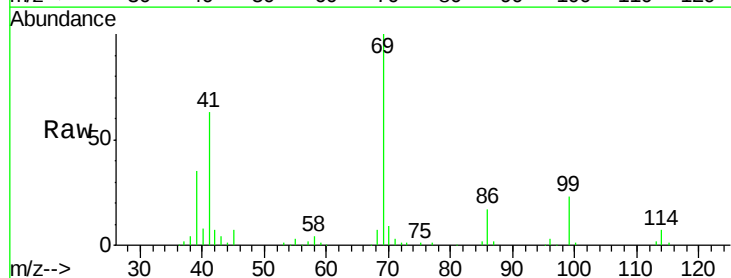
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0522SBS01

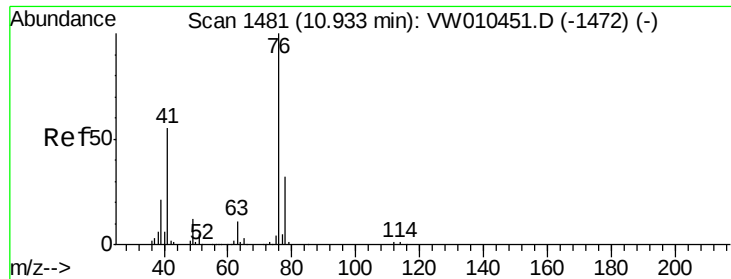
Tot Ion:	97	Resp:	24401
Ion	Ratio	Lower	Upper
97	100		
83	84.2	66.1	99.1
85	53.3	44.2	66.4
99	67.9	51.1	76.7



#56
 Ethyl methacrylate
 Concen: 16.936 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW010502.D
 Acq: 22 May 2019 11:30

Tgt Ion:	69	Resp:	29778
Ion	Ratio	Lower	Upper
69	100		
41	59.4	47.7	71.5
39	33.0	25.3	37.9

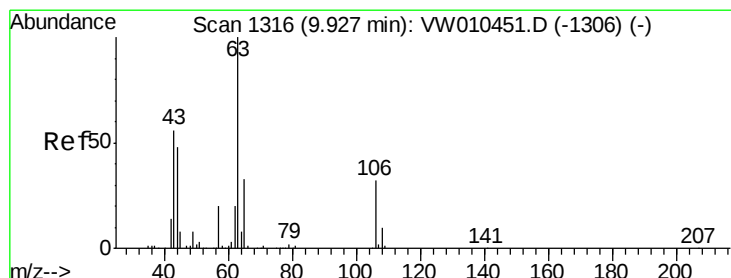
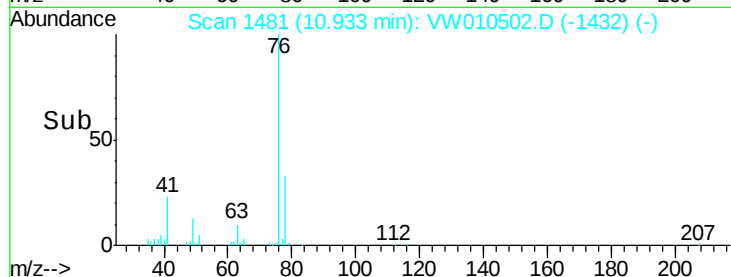
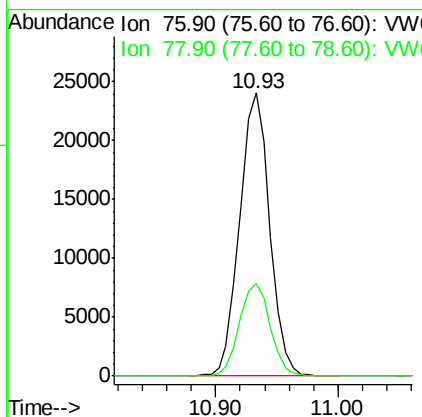
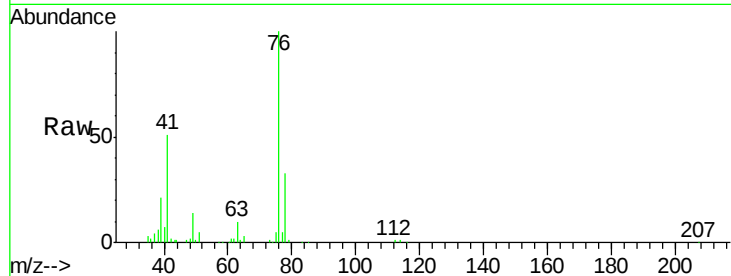




#57
 1,3-Dichloropropane
 Concen: 19.136 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW010502.D
 Acq: 22 May 2019 11:30

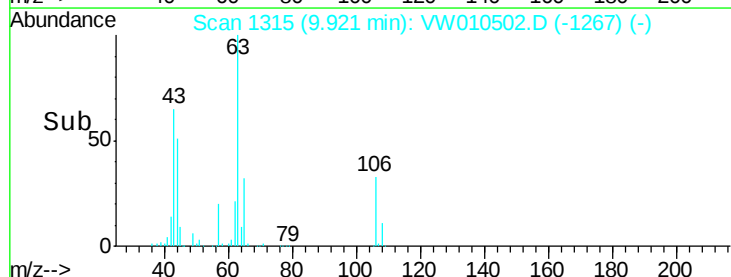
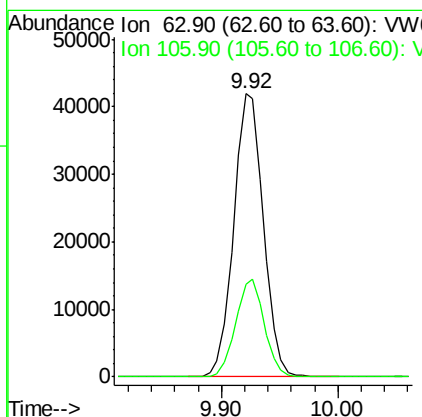
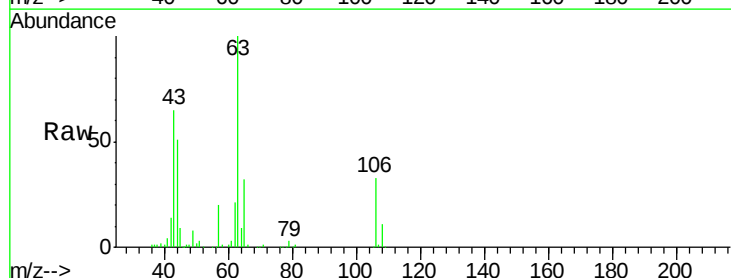
Instrument :
 MSVOA_W
 ClientSampled :
 VW0522SBS01

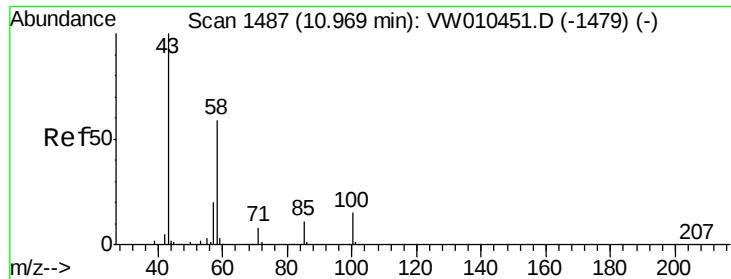
Tot Ion: 76 Resp: 40865
 Ion Ratio Lower Upper
 76 100
 78 33.5 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.274 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW010502.D
 Acq: 22 May 2019 11:30

Tgt Ion: 63 Resp: 74198
 Ion Ratio Lower Upper
 63 100
 106 33.2 25.8 38.6

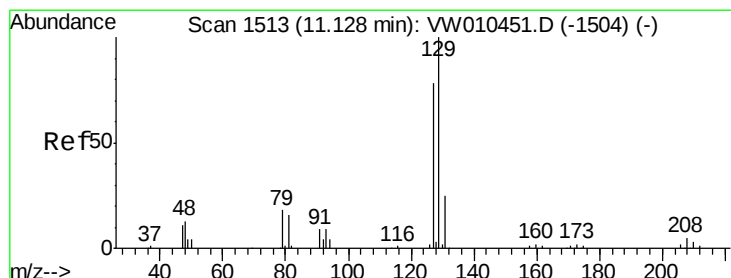
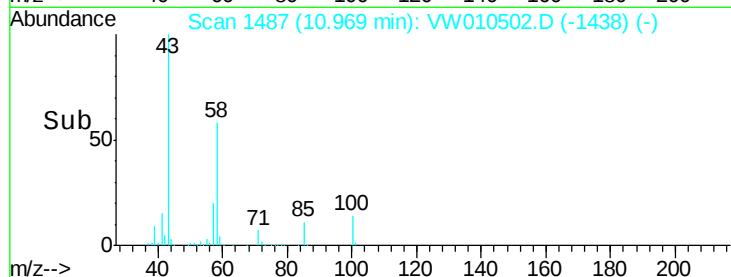
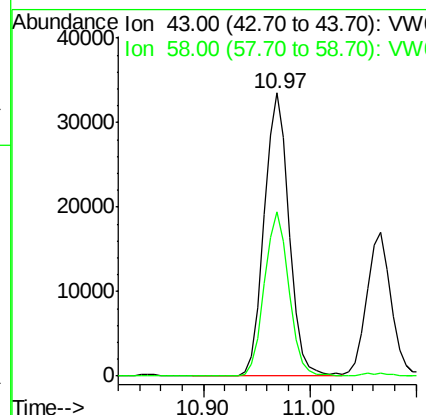
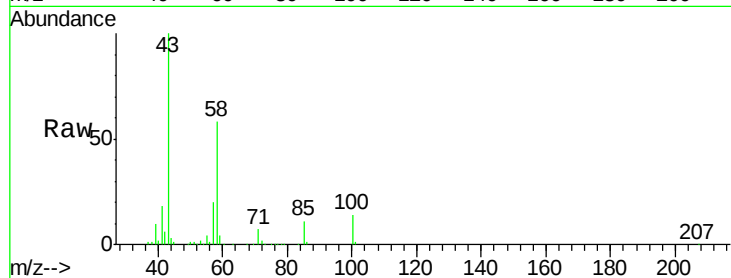




#59
2-Hexanone
Concen: 78.028 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

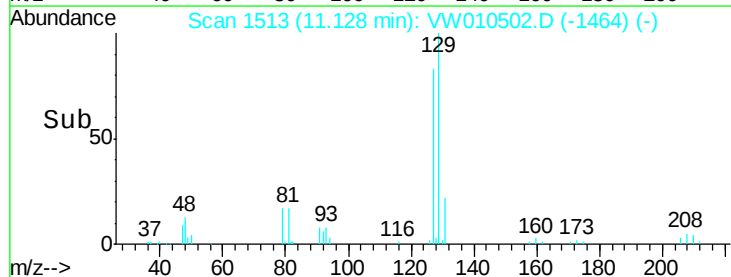
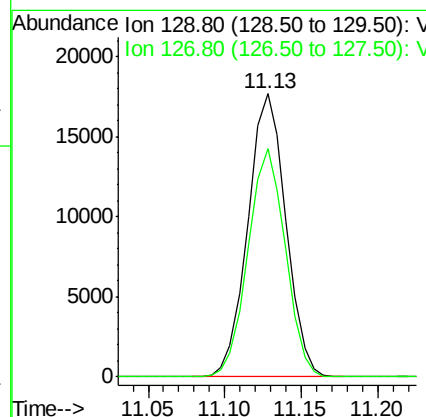
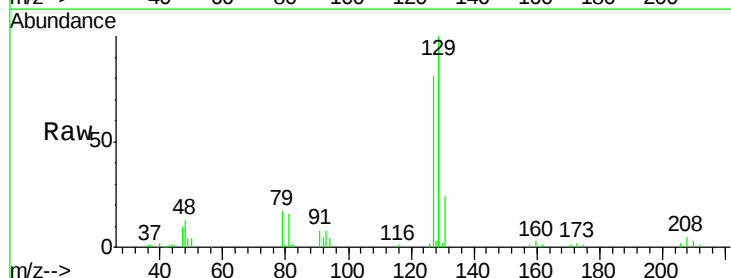
Instrument :
MSVOA_W
ClientSampleId :
VW0522SBS01

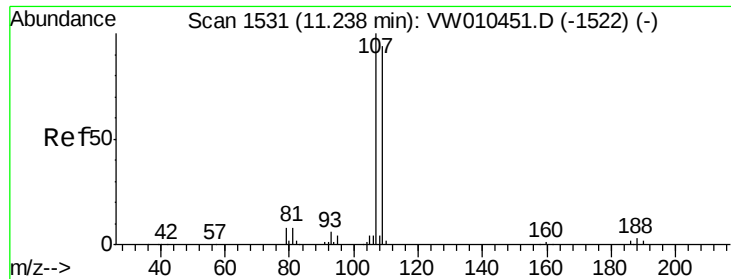
Tot Ion: 43 Resp: 55027
Ion Ratio Lower Upper
43 100
58 57.3 28.9 86.8



#60
Dibromochloromethane
Concen: 18.955 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

Tgt Ion: 129 Resp: 30584
Ion Ratio Lower Upper
129 100
127 79.2 38.9 116.7

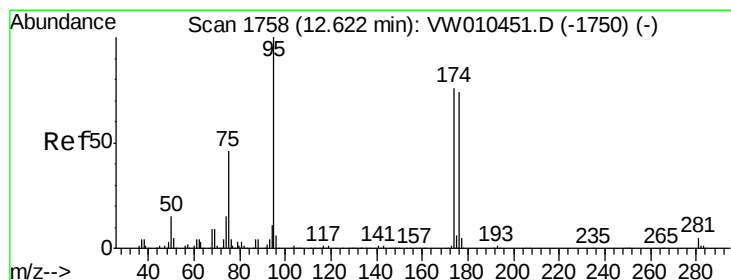
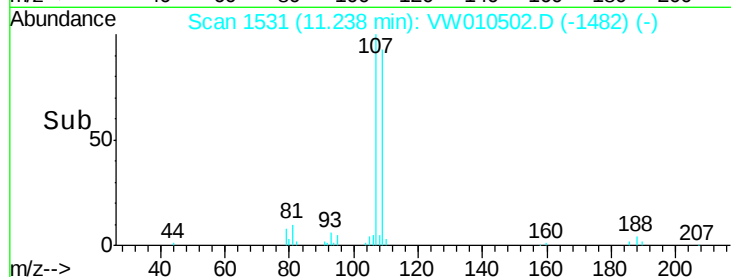
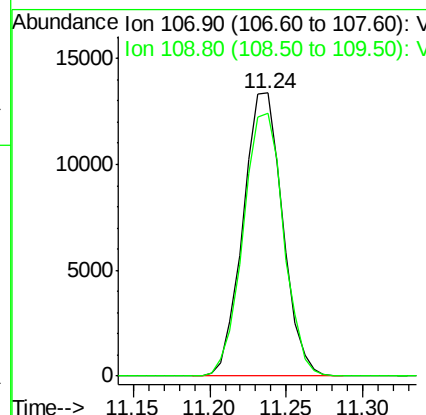
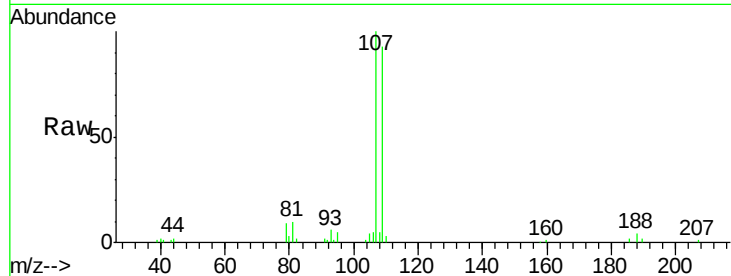




#61
 1,2-Dibromoethane
 Concen: 18.643 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW010502.D
 Acq: 22 May 2019 11:30

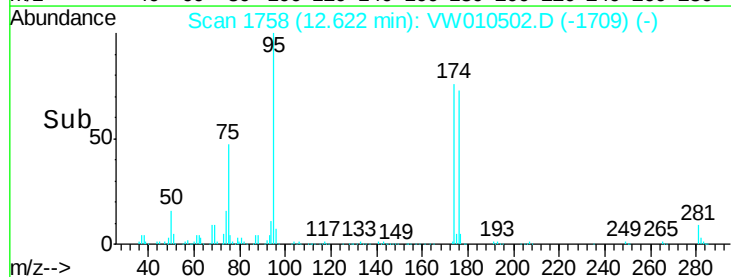
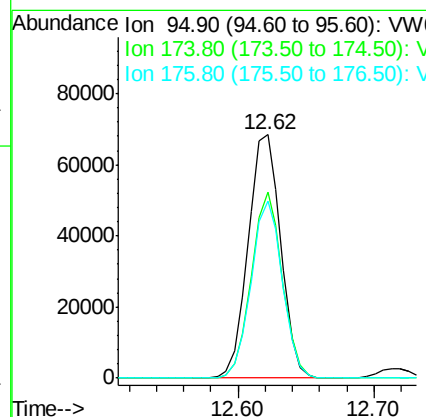
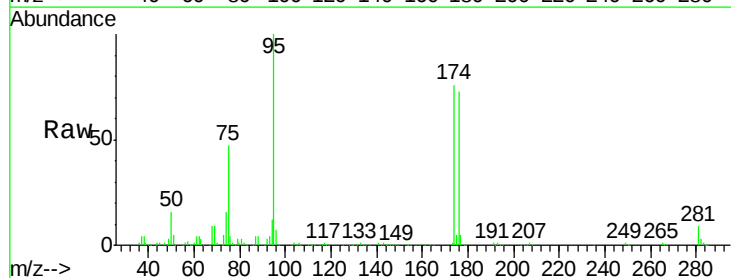
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0522SBS01

Tot Ion:107 Resp: 24076
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 50.478 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW010502.D
 Acq: 22 May 2019 11:30

Tgt Ion: 95 Resp: 114897
 Ion Ratio Lower Upper
 95 100
 174 72.5 0.0 148.6
 176 70.1 0.0 144.2

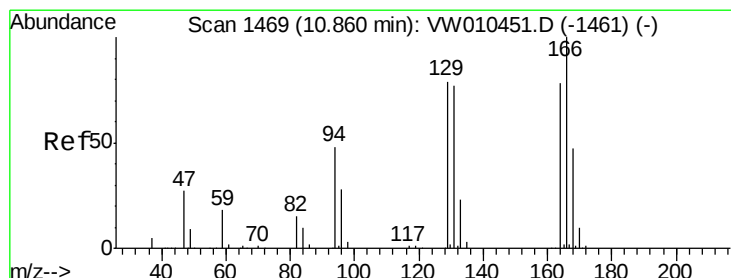
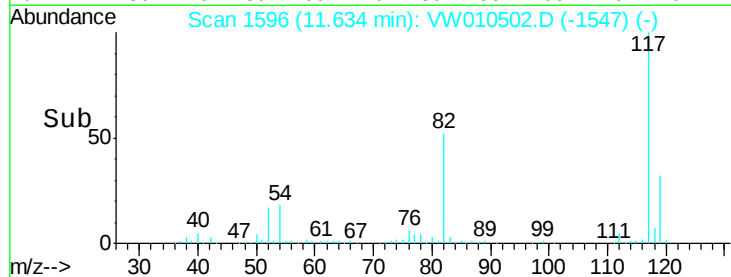
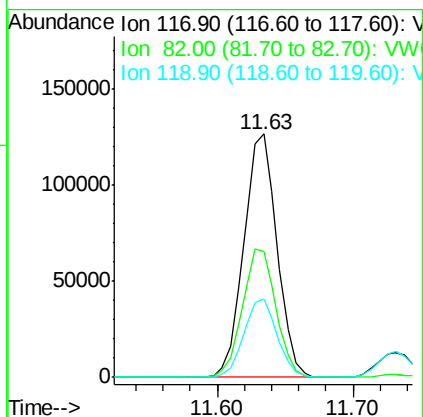
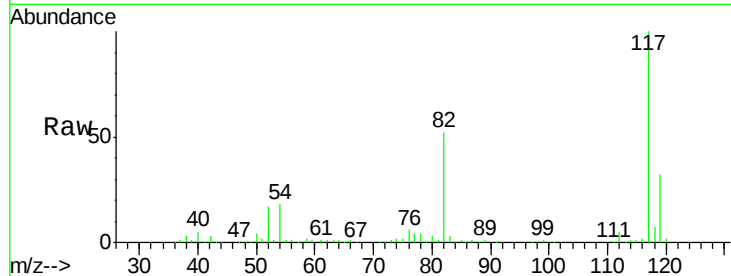




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

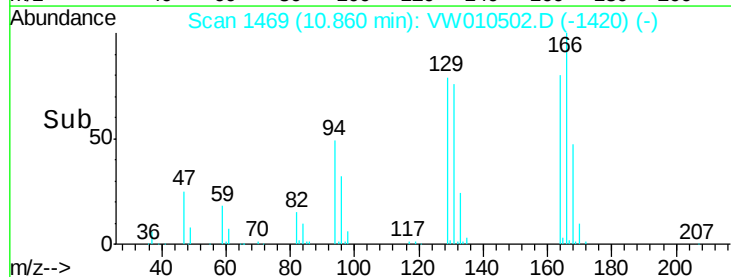
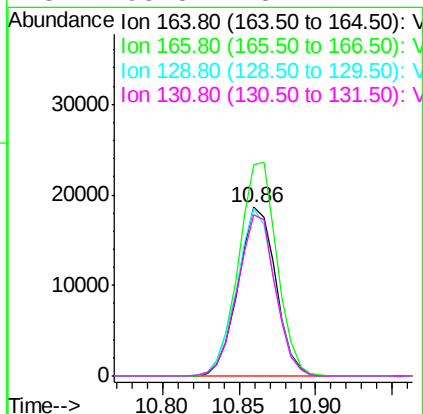
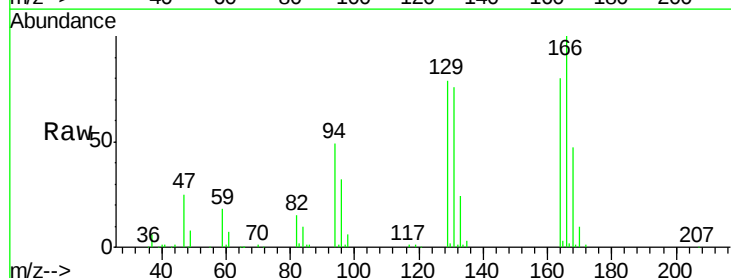
Instrument :
MSVOA_W
ClientSampleId :
VW0522SBS01

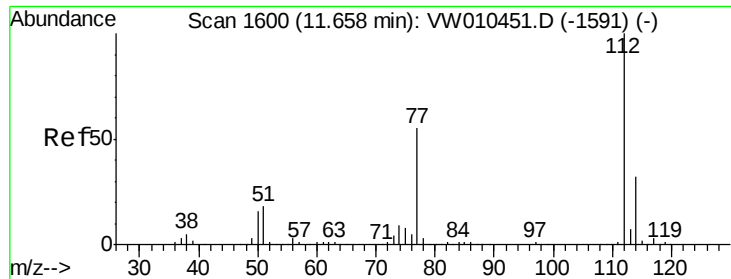
Tot Ion:117 Resp: 215430
Ion Ratio Lower Upper
117 100
82 51.5 42.8 64.2
119 32.4 26.3 39.5



#64
Tetrachloroethene
Concen: 21.206 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

Tgt Ion:164 Resp: 31846
Ion Ratio Lower Upper
164 100
166 125.7 101.9 152.9
129 99.4 80.6 121.0
131 95.8 78.2 117.2

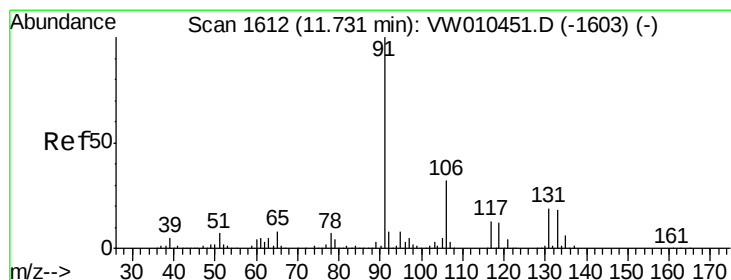
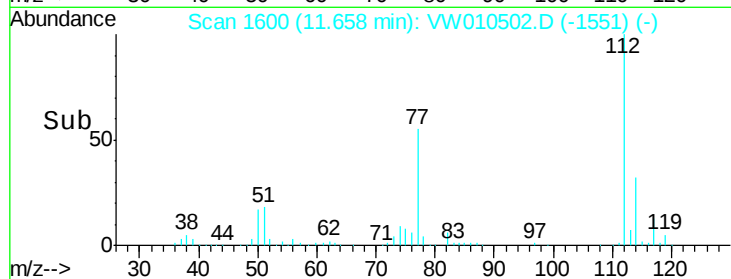
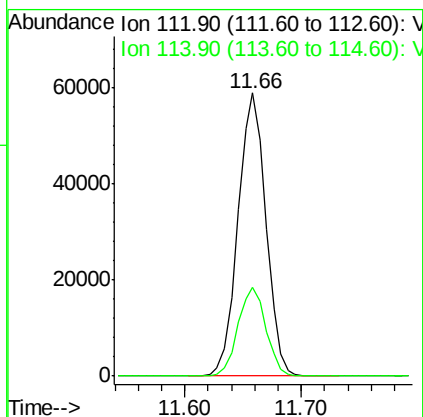
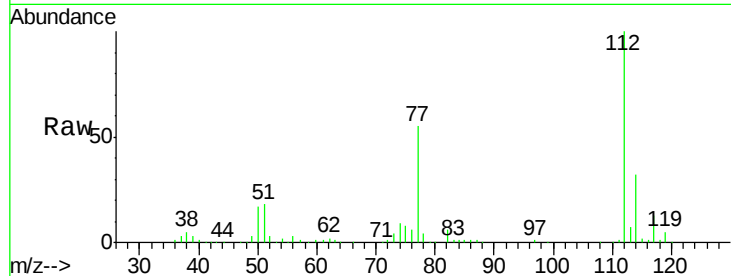




#65
Chlorobenzene
Concen: 21.438 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

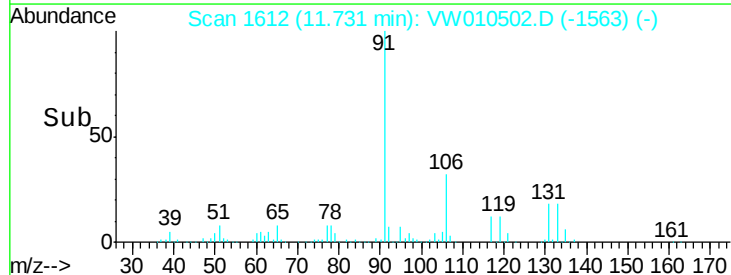
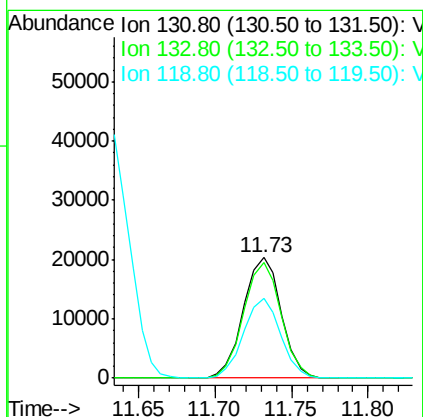
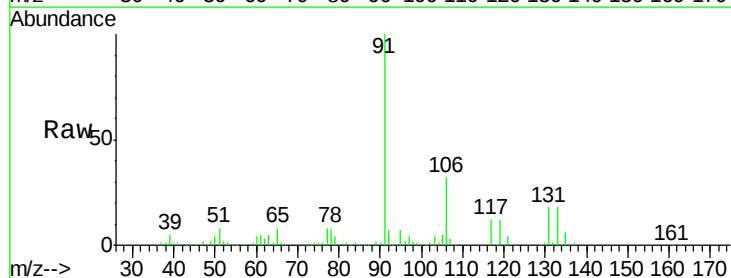
Instrument :
MSVOA_W
ClientSampleId :
VW0522SBS01

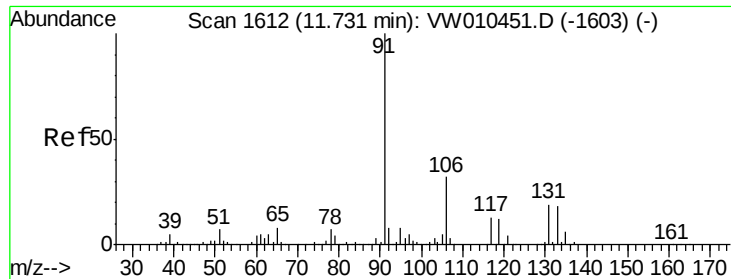
Tot Ion:112 Resp: 98430
Ion Ratio Lower Upper
112 100
114 31.5 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.299 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

Tgt Ion:131 Resp: 35030
Ion Ratio Lower Upper
131 100
133 95.2 47.3 141.9
119 64.9 32.1 96.5

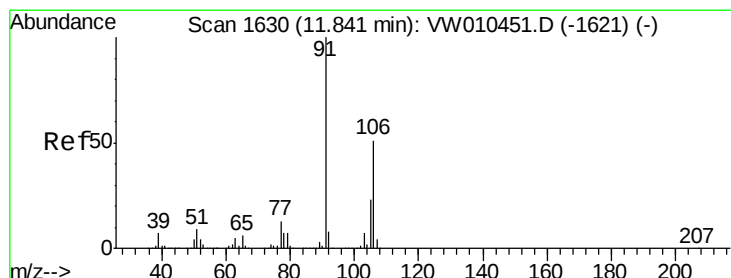
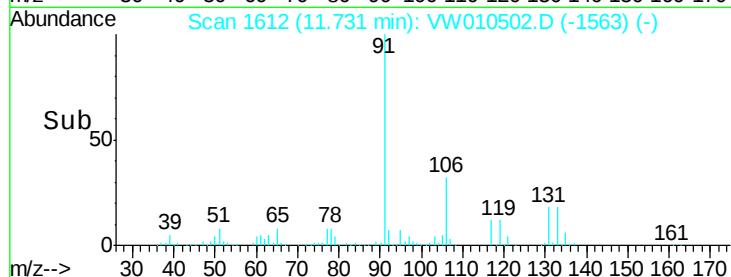
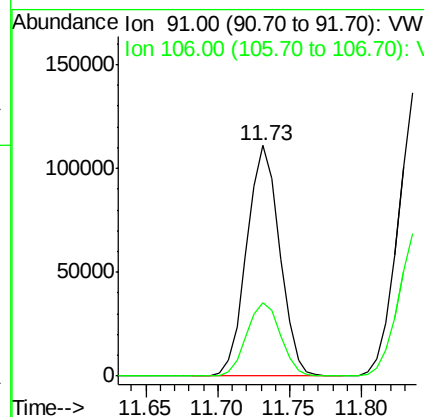
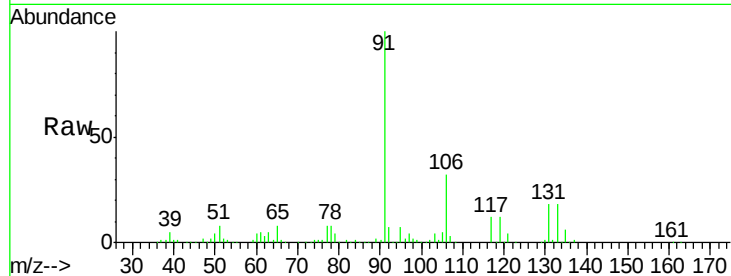




#67
Ethyl Benzene
Concen: 21.700 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

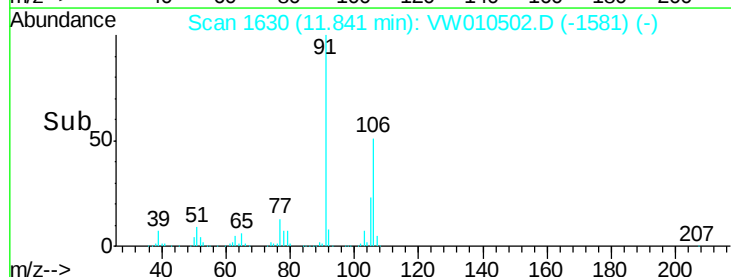
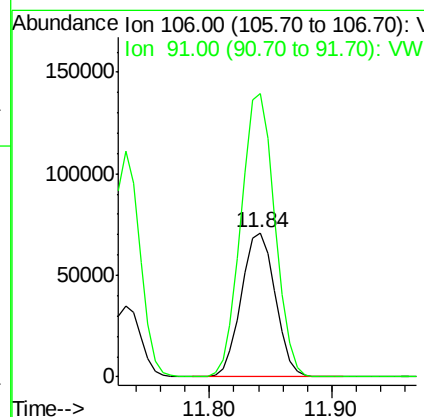
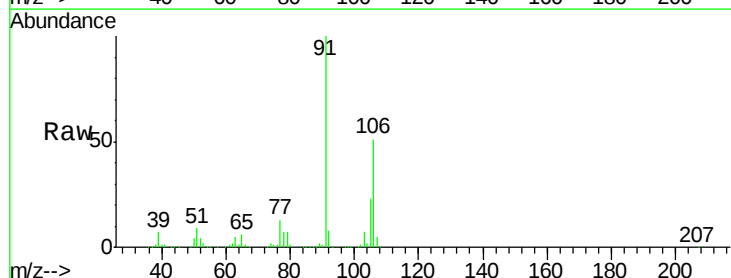
Instrument :
MSVOA_W
ClientSampleId :
VW0522SBS01

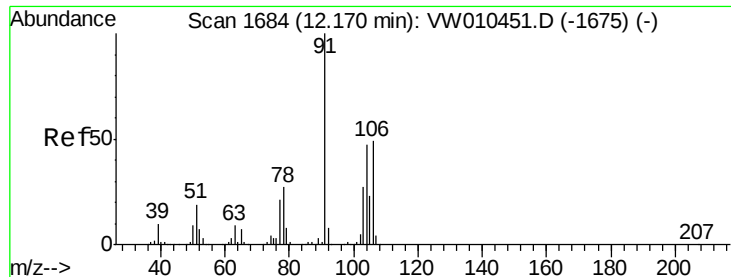
Tot Ion: 91 Resp: 175903
Ion Ratio Lower Upper
91 100
106 31.6 25.9 38.9



#68
m/p-Xylenes
Concen: 42.889 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

Tgt Ion:106 Resp: 136365
Ion Ratio Lower Upper
106 100
91 195.8 156.0 234.0

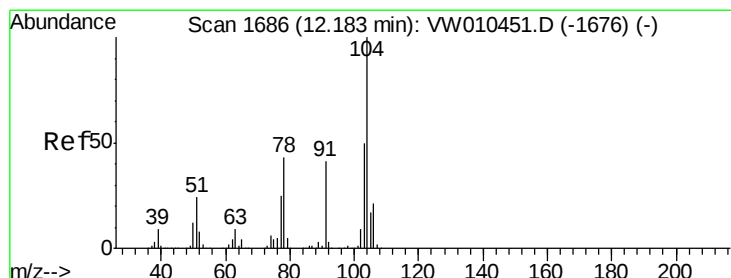
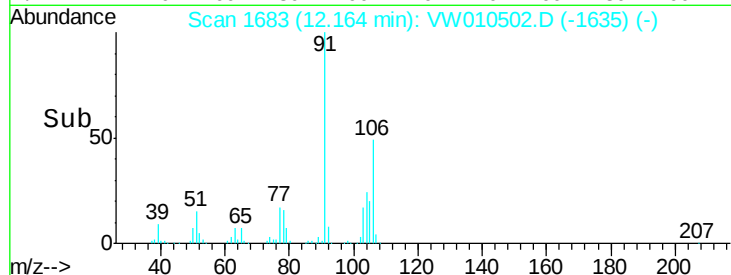
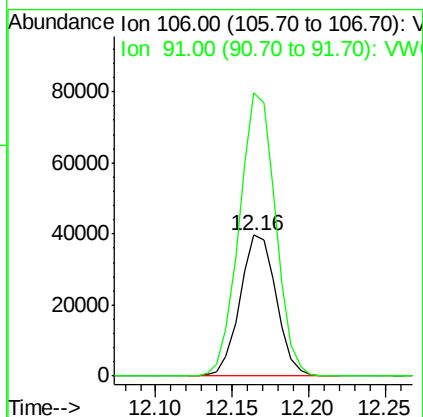
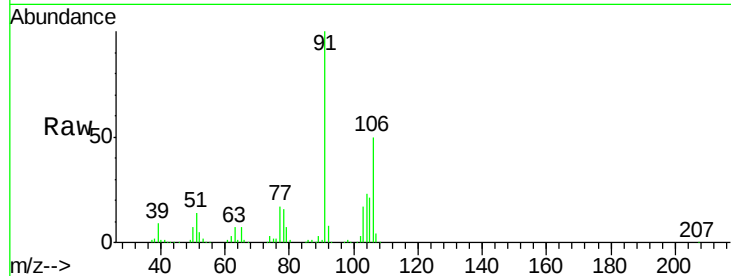




#69
o-Xylene
Concen: 21.583 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

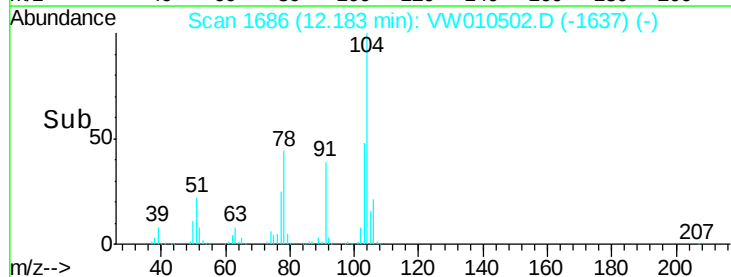
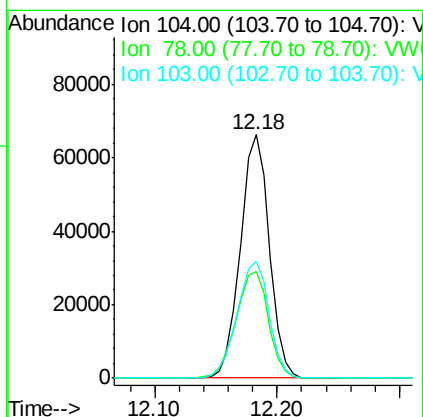
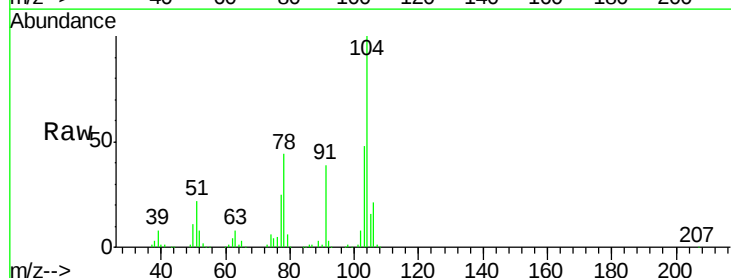
Instrument :
MSVOA_W
ClientSampled :
VW0522SBS01

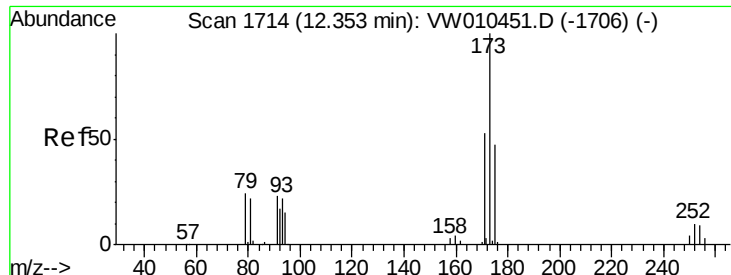
Tot Ion:106 Resp: 65016
Ion Ratio Lower Upper
106 100
91 201.6 103.2 309.4



#70
Styrene
Concen: 21.259 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

Tgt Ion:104 Resp: 108658
Ion Ratio Lower Upper
104 100
78 49.0 39.0 58.4
103 53.2 43.0 64.6





#71

Bromoform

Concen: 17.875 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VW0522SBS01

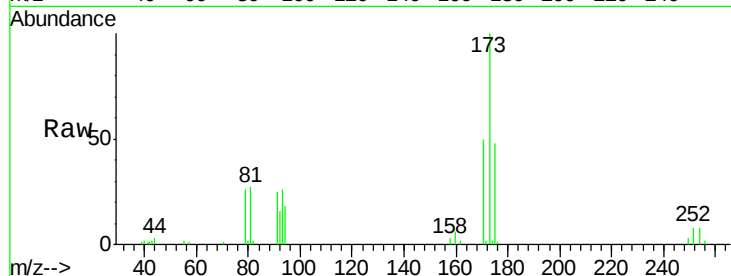
Tot Ion:173 Resp: 16190

Ion Ratio Lower Upper

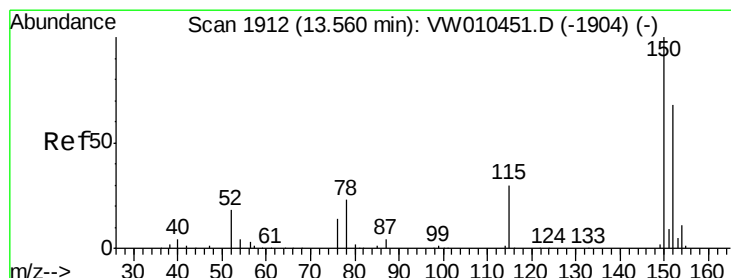
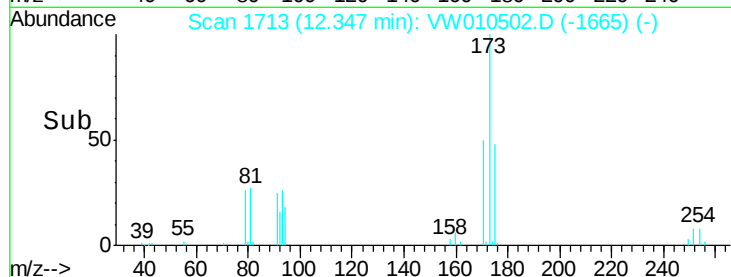
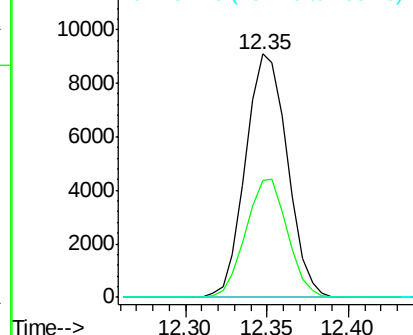
173 100

175 48.3 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: VW010502.D

Acq: 22 May 2019 11:30

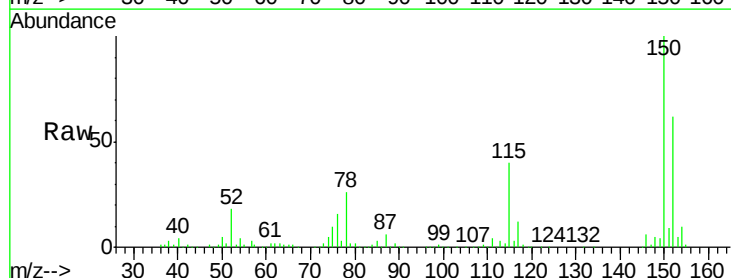
Tgt Ion:152 Resp: 98465

Ion Ratio Lower Upper

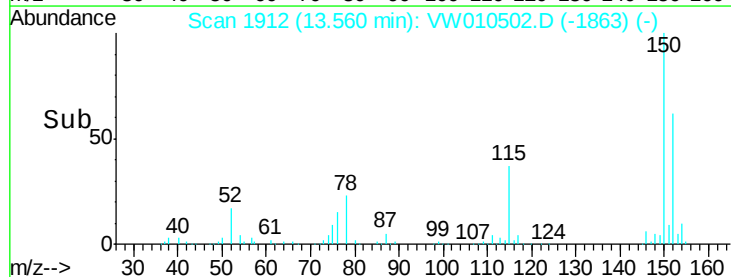
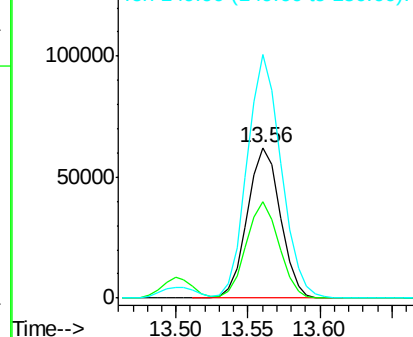
152 100

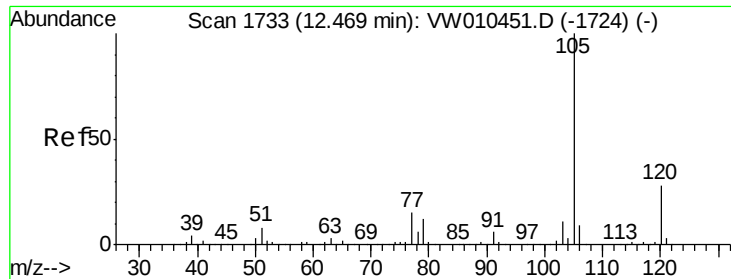
115 63.5 30.3 91.0

150 167.1 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: 22.754 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

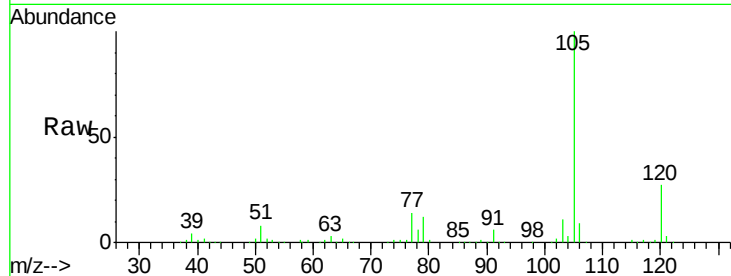
VW0522SBS01

Tot Ion:105 Resp: 177789

Ion Ratio Lower Upper

105 100

120 27.6 13.9 41.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

120000

100000

80000

60000

40000

20000

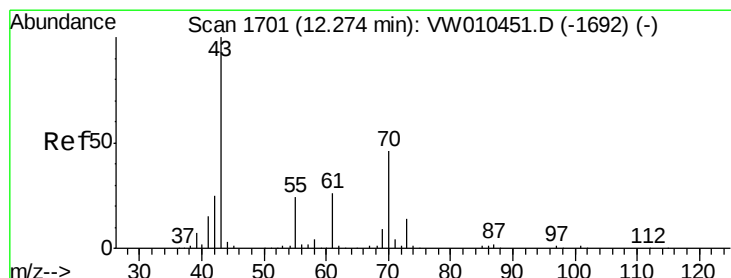
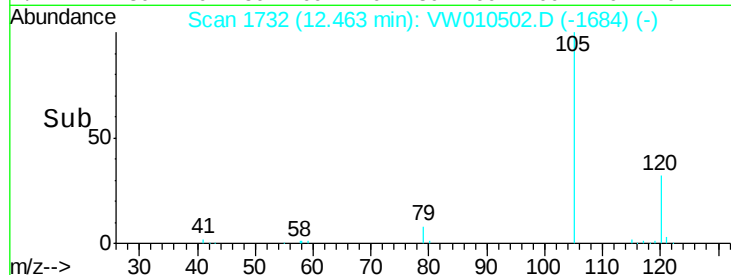
0

12.46

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 16.747 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Tgt Ion: 43 Resp: 29986

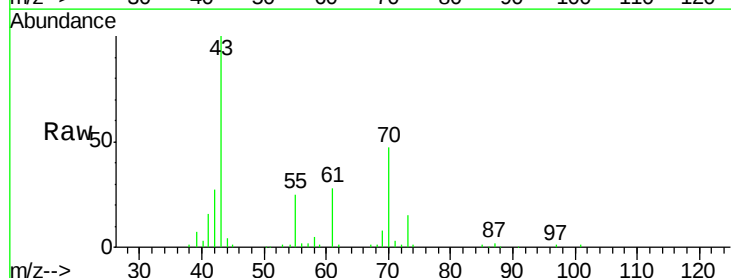
Ion Ratio Lower Upper

43 100

70 48.0 37.1 55.7

55 25.9 19.6 29.4

61 26.8 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

30000

25000

20000

15000

10000

5000

0

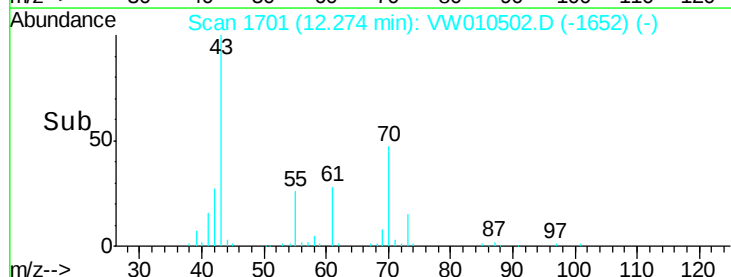
12.27

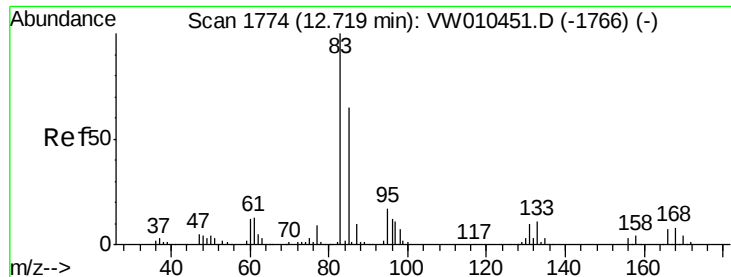
12.20

12.30

12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.115 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VW0522SBS01

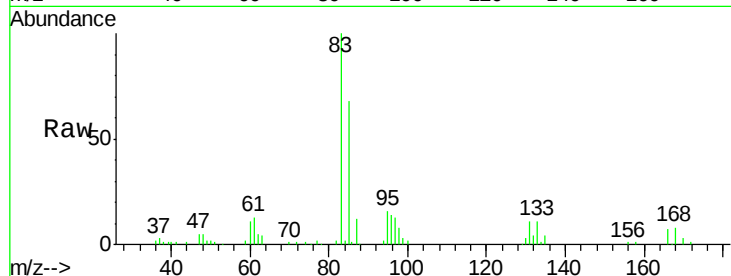
Tot Ion: 83 Resp: 25745

Ion Ratio Lower Upper

83 100

131 12.2 5.6 16.8

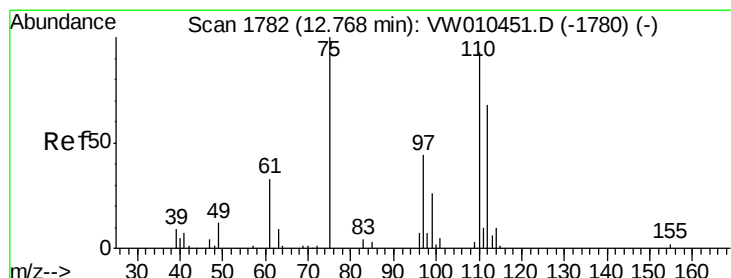
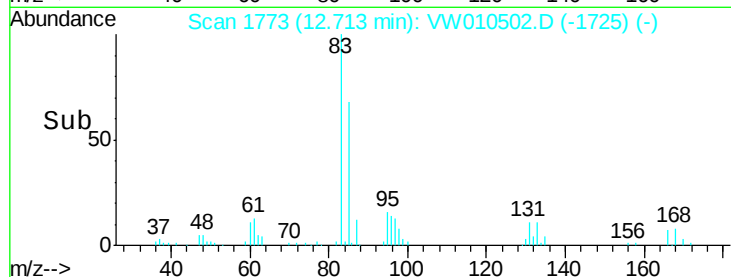
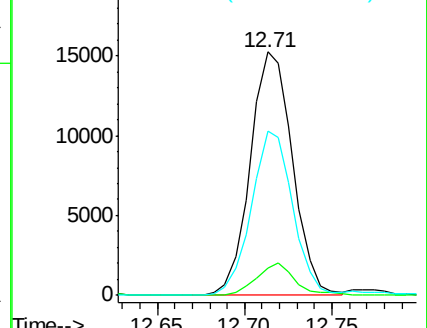
85 66.2 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 33.202 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010502.D

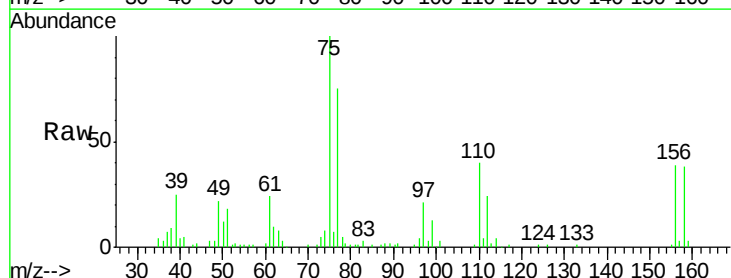
Acq: 22 May 2019 11:30

Tgt Ion: 75 Resp: 33185

Ion Ratio Lower Upper

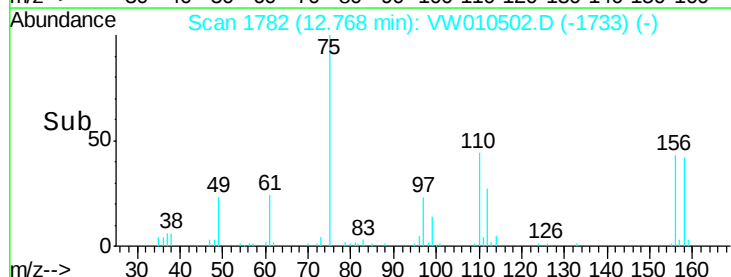
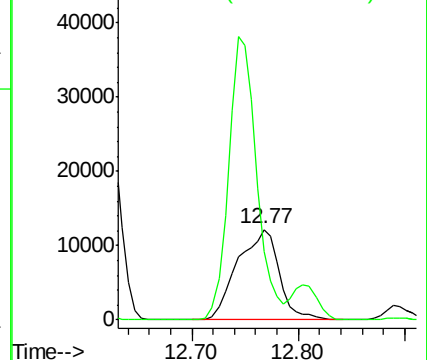
75 100

77 0.0 170.0 510.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 22.120 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Instrument :

MSVOA_W

ClientSampled :

VW0522SBS01

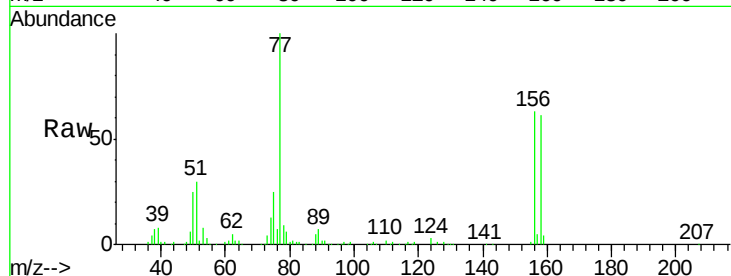
Tot Ion:156 Resp: 38678

Ion Ratio Lower Upper

156 100

77 181.5 92.4 277.2

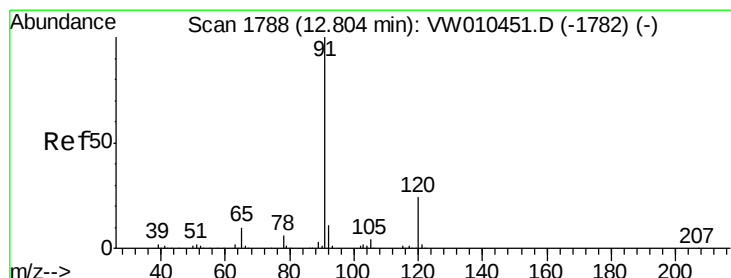
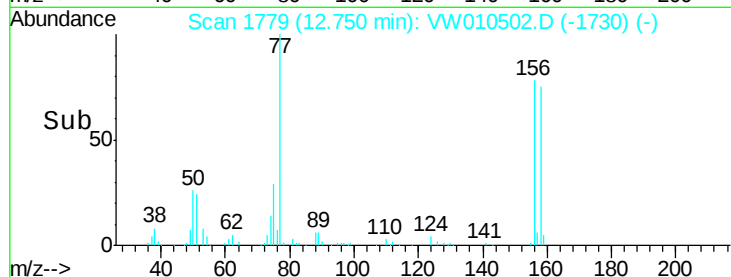
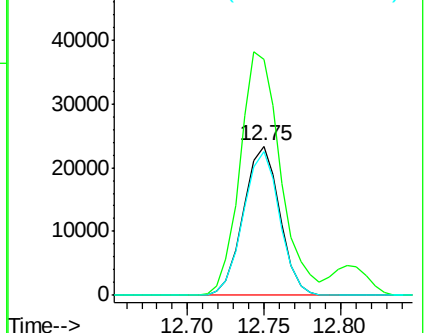
158 96.2 48.3 144.8



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: 22.221 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW010502.D

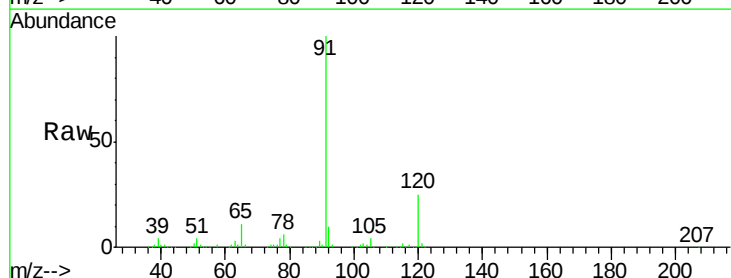
Acq: 22 May 2019 11:30

Tgt Ion: 91 Resp: 202337

Ion Ratio Lower Upper

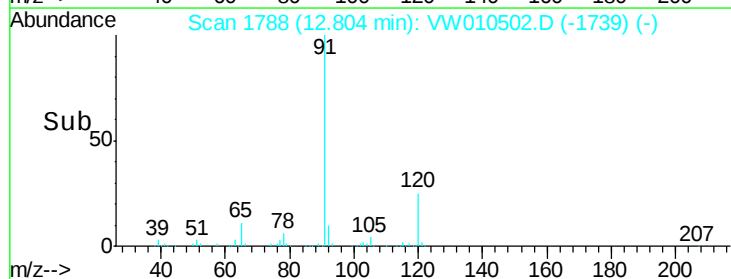
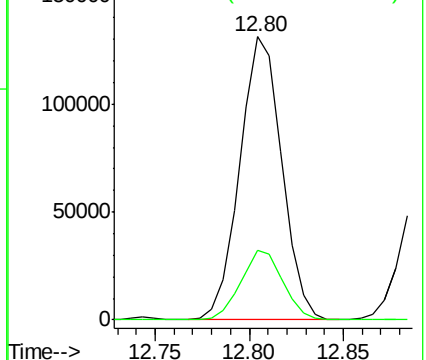
91 100

120 24.5 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: 22.072 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

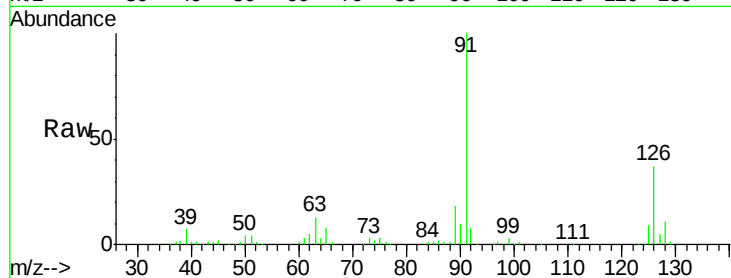
VW0522SBS01

Tot Ion: 91 Resp: 116554

Ion Ratio Lower Upper

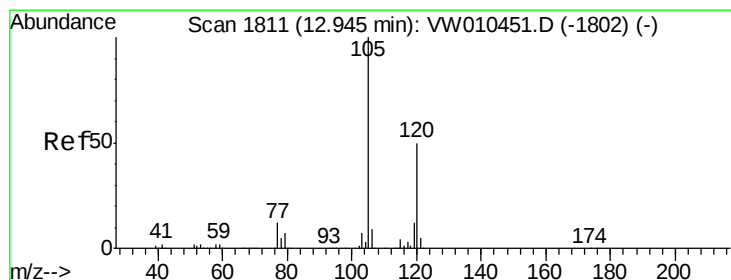
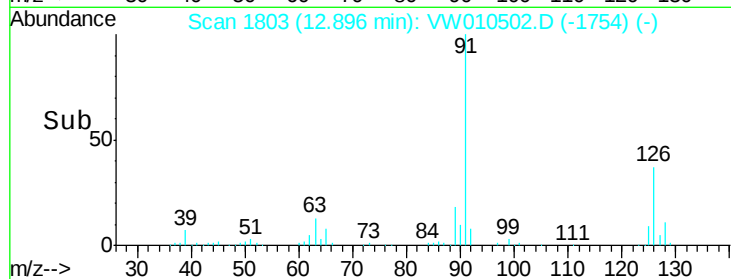
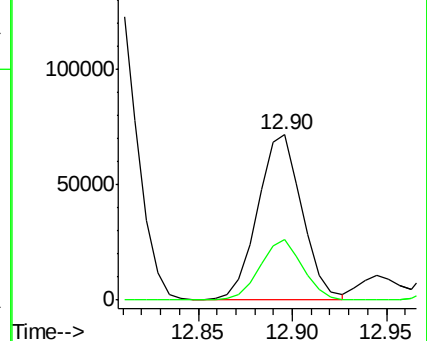
91 100

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: 22.279 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010502.D

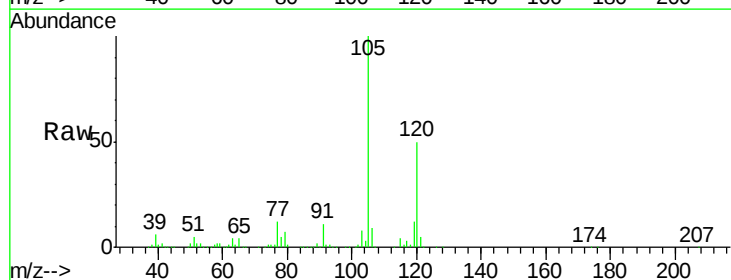
Acq: 22 May 2019 11:30

Tgt Ion:105 Resp: 147431

Ion Ratio Lower Upper

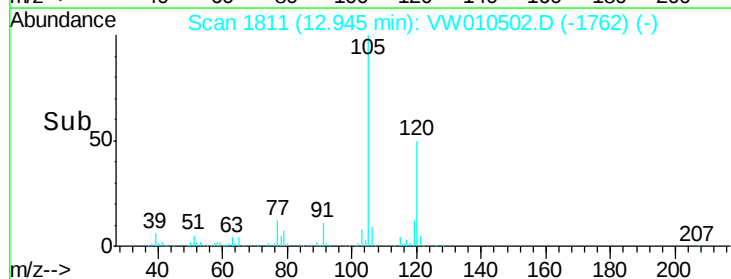
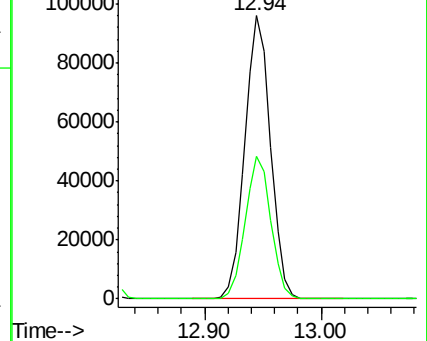
105 100

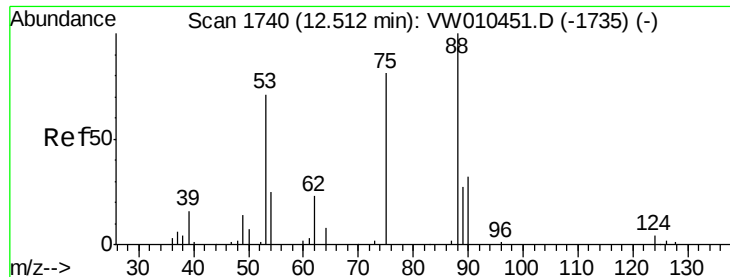
120 50.1 25.2 75.6



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: 17.820 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VW0522SBS01

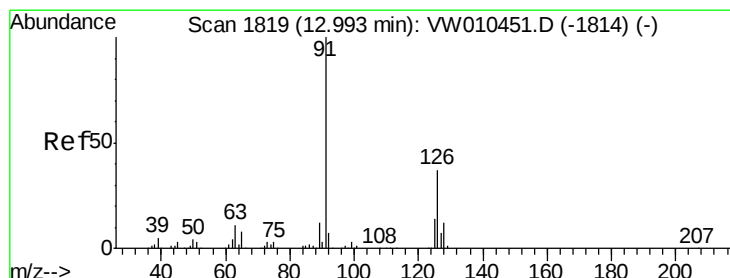
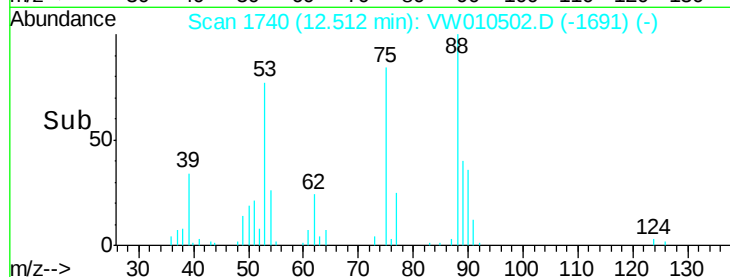
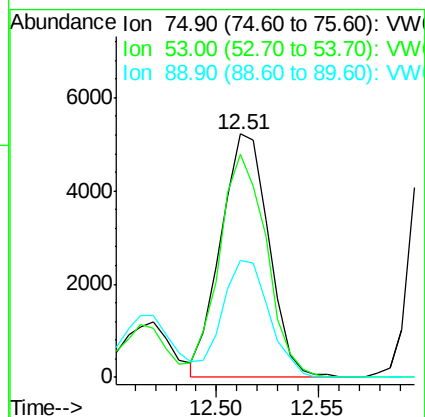
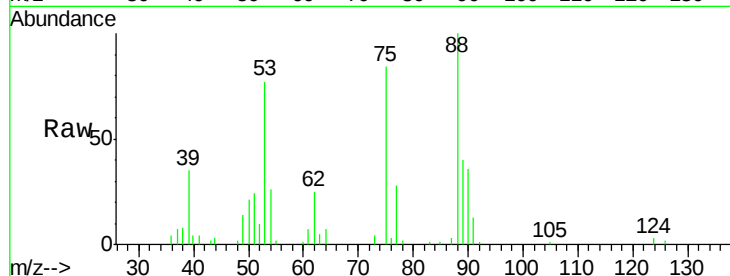
Tot Ion: 75 Resp: 8534

Ion Ratio Lower Upper

75 100

53 91.2 69.8 104.8

89 47.2 39.5 59.3



#82

4-Chlorotoluene

Concen: 22.244 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW010502.D

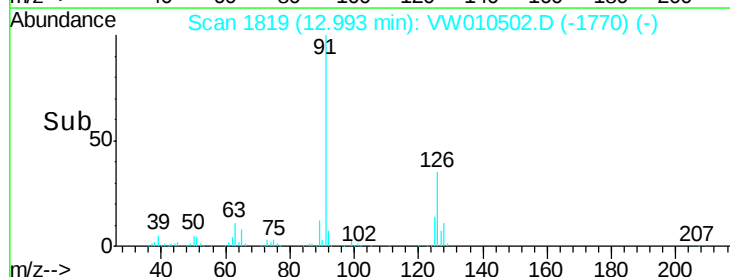
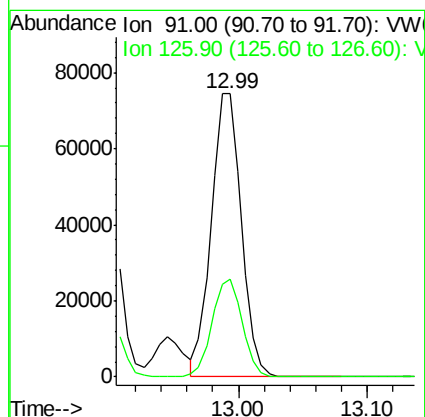
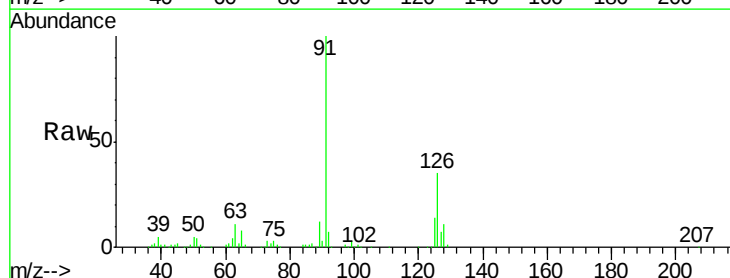
Acq: 22 May 2019 11:30

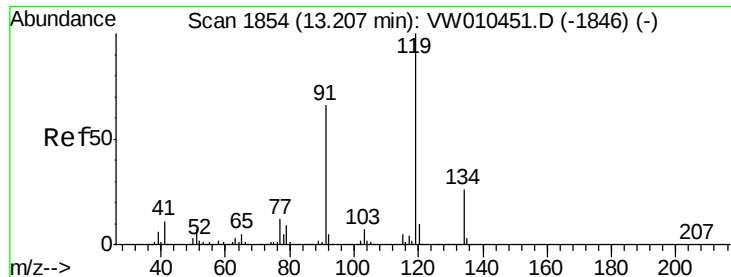
Tgt Ion: 91 Resp: 121922

Ion Ratio Lower Upper

91 100

126 34.6 17.5 52.6

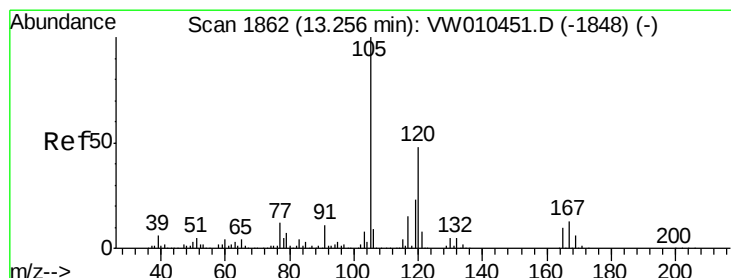
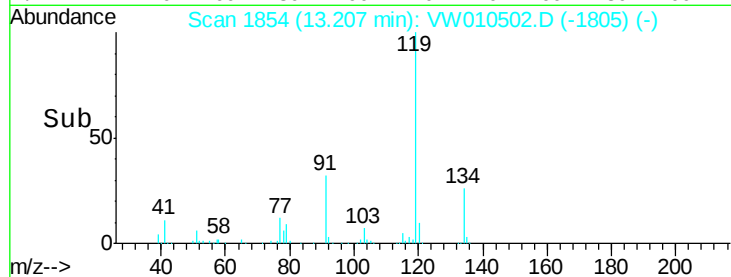
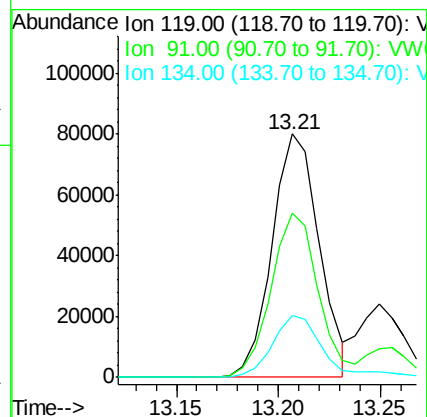
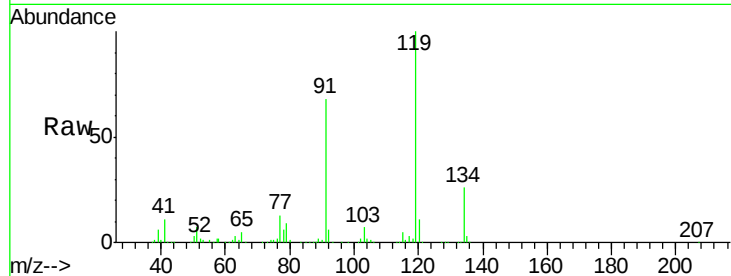




#83
tert-Butylbenzene
Concen: 22.336 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

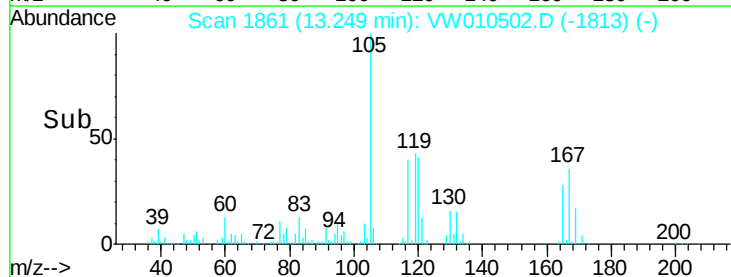
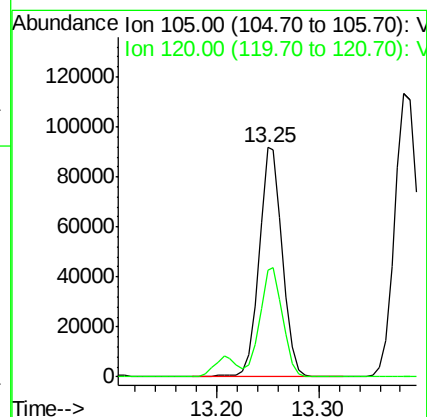
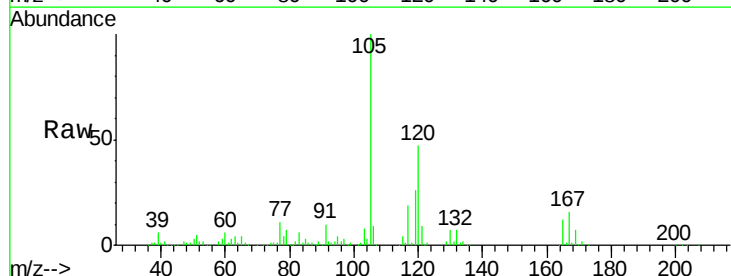
Instrument :
MSVOA_W
ClientSampleId :
VW0522SBS01

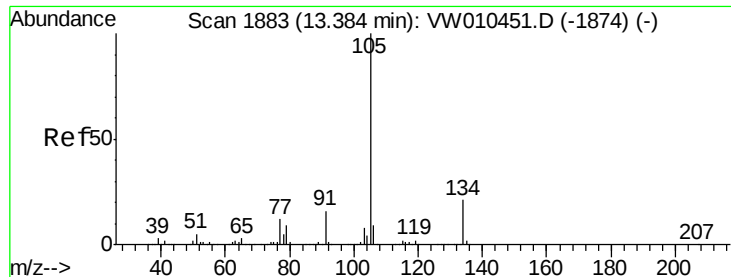
Tot Ion:119 Resp: 129115
Ion Ratio Lower Upper
119 100
91 67.6 33.1 99.5
134 27.5 13.9 41.6



#84
1,2,4-Trimethylbenzene
Concen: 22.103 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

Tgt Ion:105 Resp: 145677
Ion Ratio Lower Upper
105 100
120 47.0 23.4 70.2





#85

sec-Butylbenzene

Concen: 22.390 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

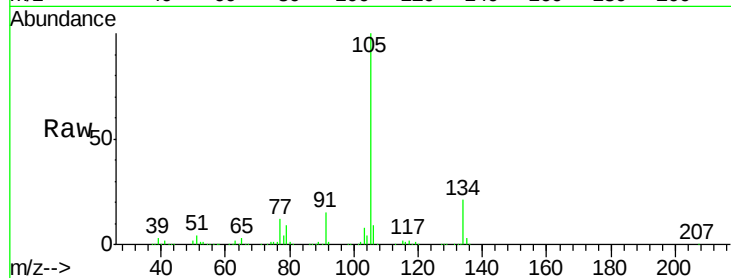
VW0522SBS01

Tot Ion:105 Resp: 181126

Ion Ratio Lower Upper

105 100

134 20.6 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

120000

100000

80000

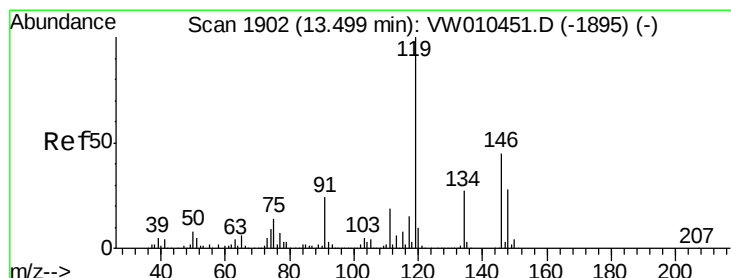
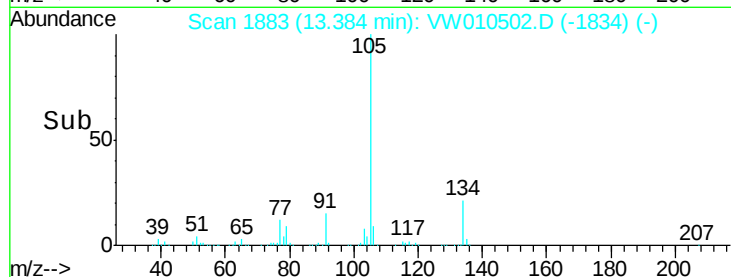
60000

40000

20000

0

Time--> 13.30 13.35 13.40 13.45



#86

p-Isopropyltoluene

Concen: 22.352 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

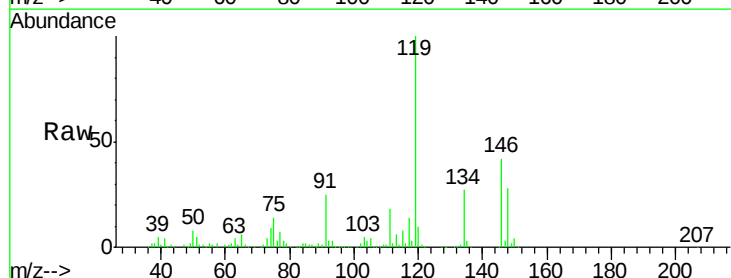
Tgt Ion:119 Resp: 163662

Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.7

91 24.6 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

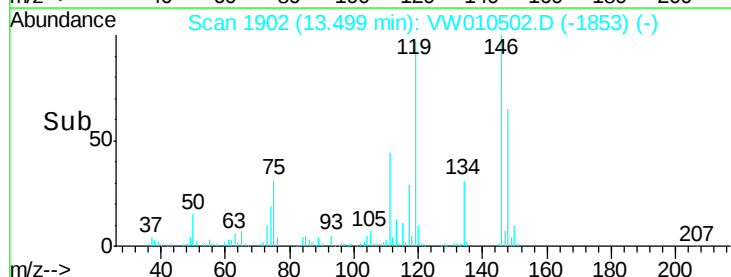
150000

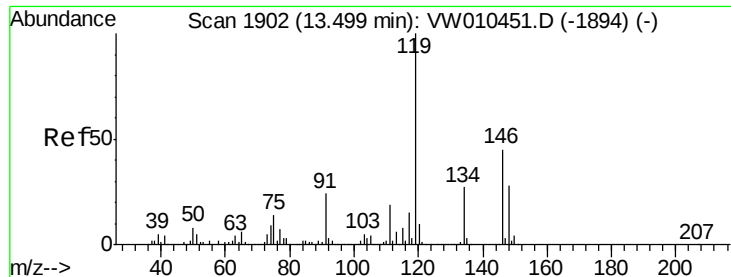
100000

50000

0

Time--> 13.45 13.50 13.55

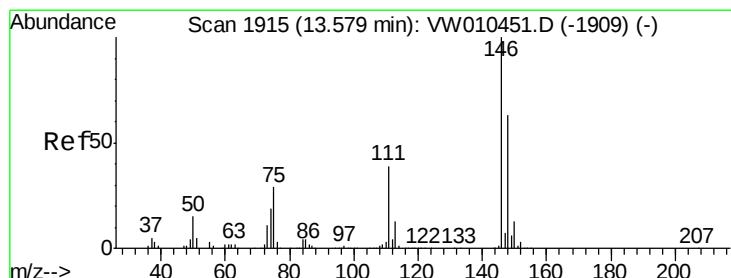
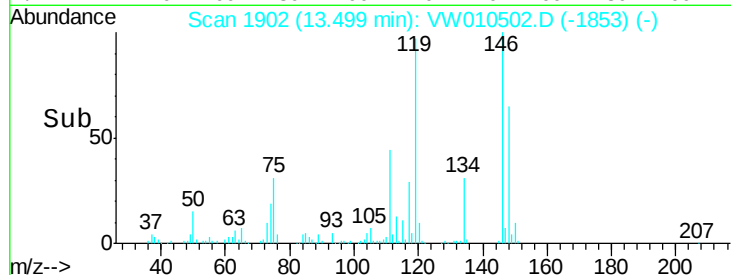
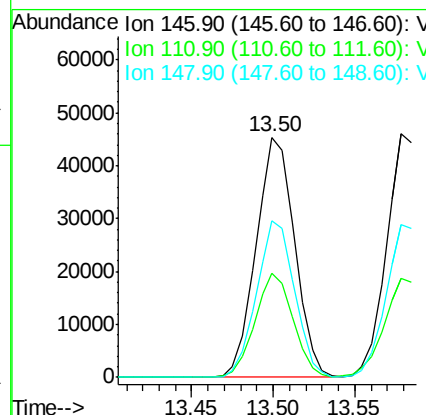
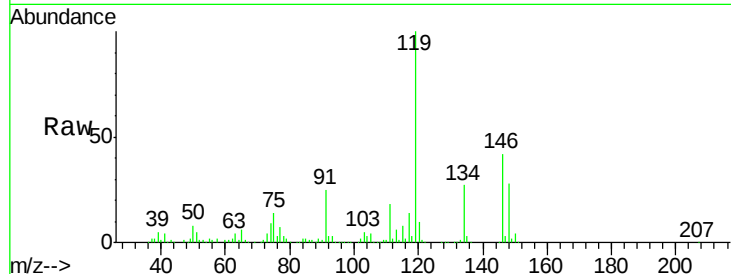




#87
 1,3-Dichlorobenzene
 Concen: 21.723 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010502.D
 Acq: 22 May 2019 11:30

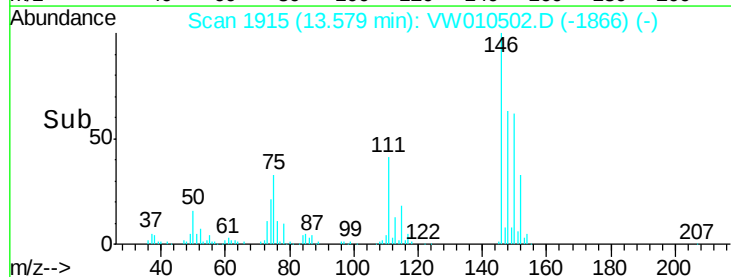
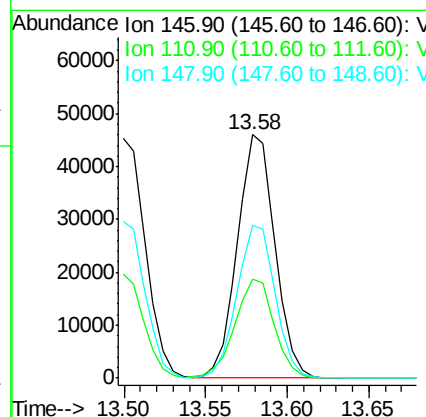
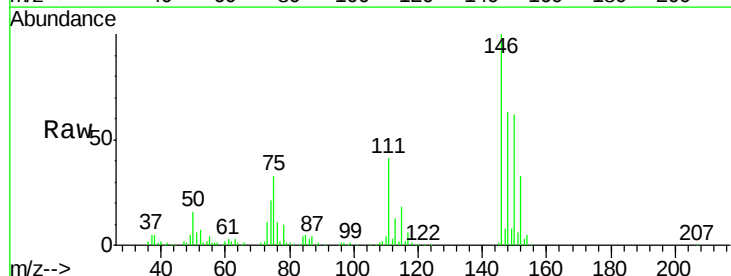
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0522SBS01

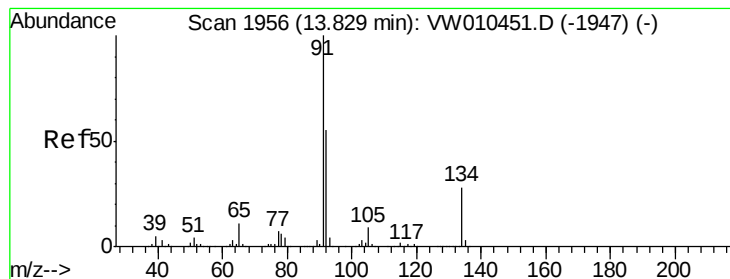
Tot Ion:146 Resp: 74520
 Ion Ratio Lower Upper
 146 100
 111 42.7 20.3 60.9
 148 64.1 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 21.477 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010502.D
 Acq: 22 May 2019 11:30

Tgt Ion:146 Resp: 73922
 Ion Ratio Lower Upper
 146 100
 111 42.4 19.9 59.6
 148 64.0 31.6 94.8





#89

n-Butylbenzene

Concen: 21.914 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VW0522SBS01

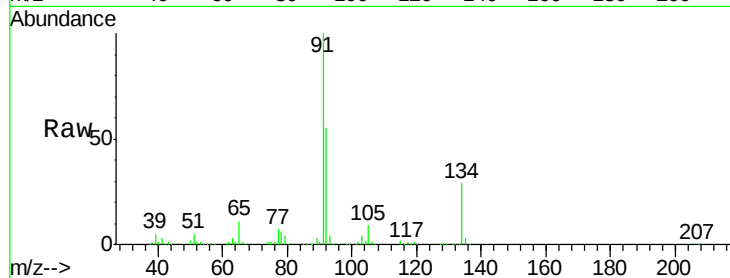
Tot Ion: 91 Resp: 152620

Ion Ratio Lower Upper

91 100

92 54.9 27.7 83.1

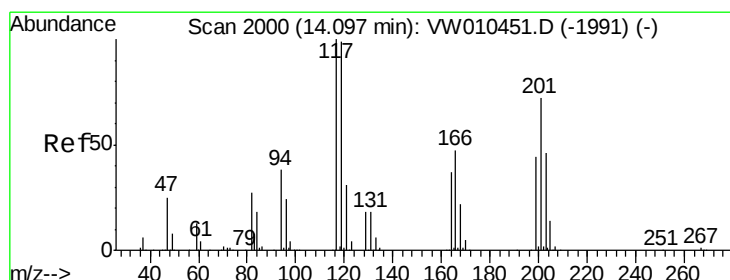
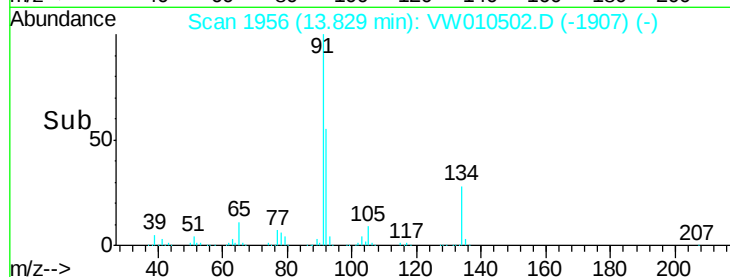
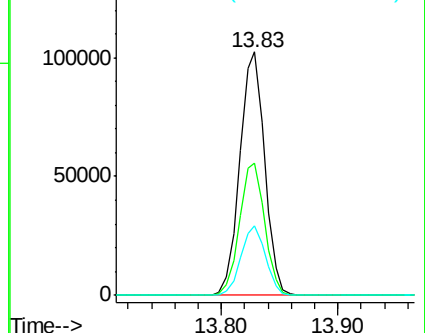
134 28.4 13.9 41.6



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: 22.245 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW010502.D

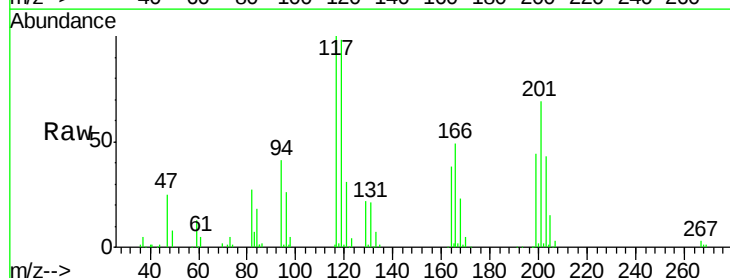
Acq: 22 May 2019 11:30

Tgt Ion: 117 Resp: 31527

Ion Ratio Lower Upper

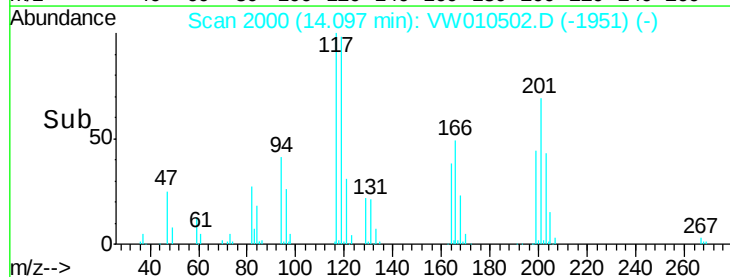
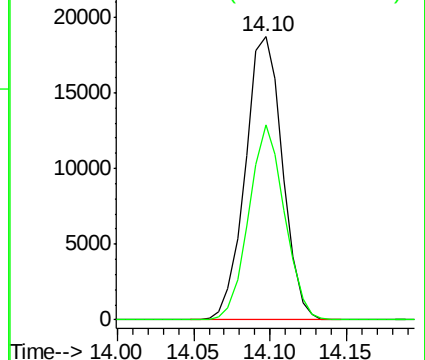
117 100

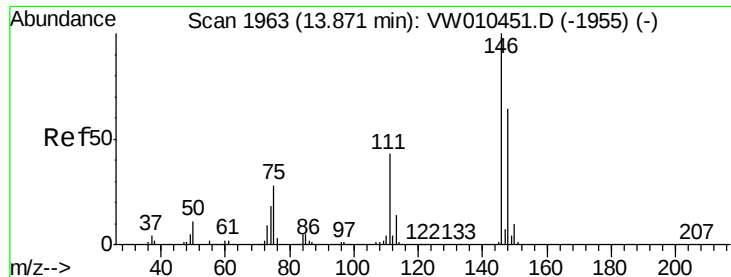
201 66.1 34.6 103.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 21.159 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VW0522SBS01

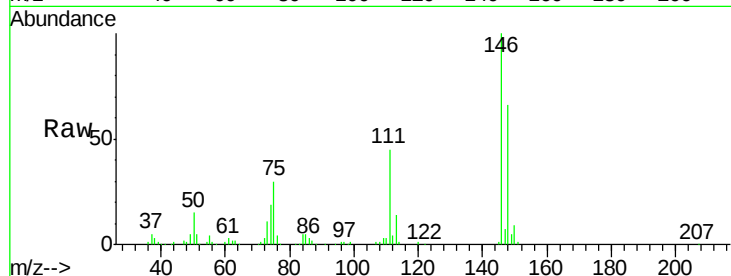
Tot Ion:146 Resp: 66137

Ion Ratio Lower Upper

146 100

111 43.7 21.3 64.0

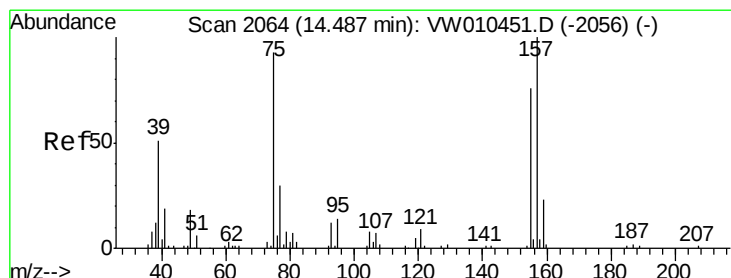
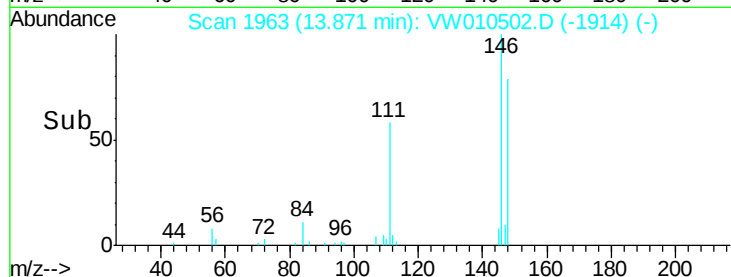
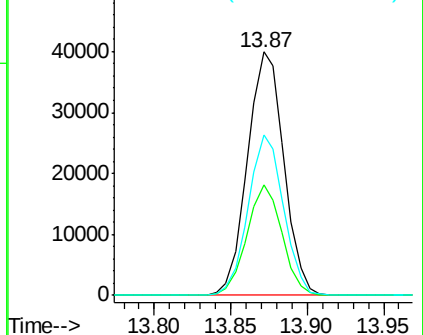
148 64.1 32.0 96.0



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: 16.204 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

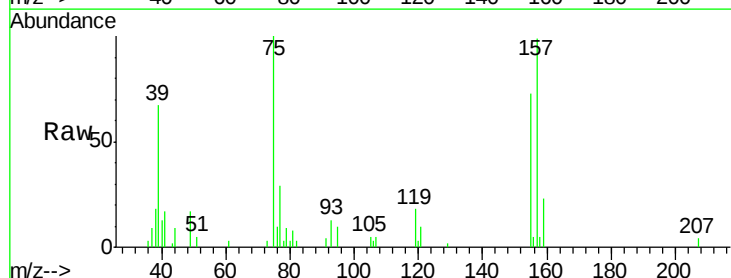
Tgt Ion: 75 Resp: 4282

Ion Ratio Lower Upper

75 100

155 85.3 43.0 129.0

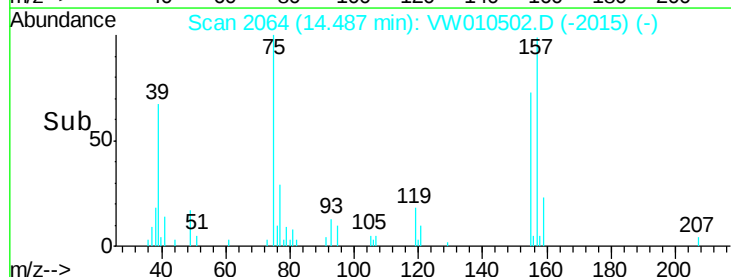
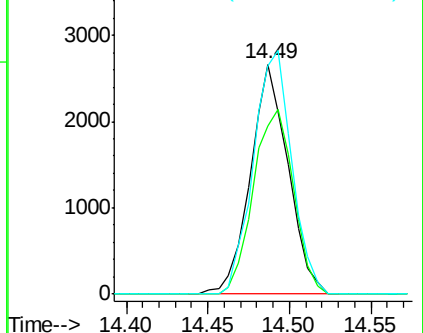
157 107.9 55.7 167.1

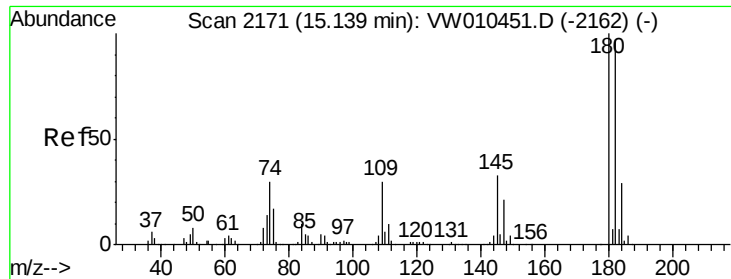


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

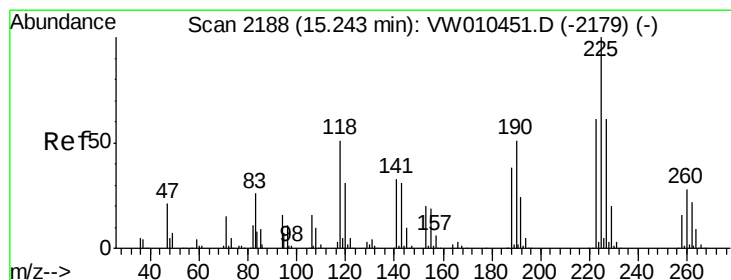
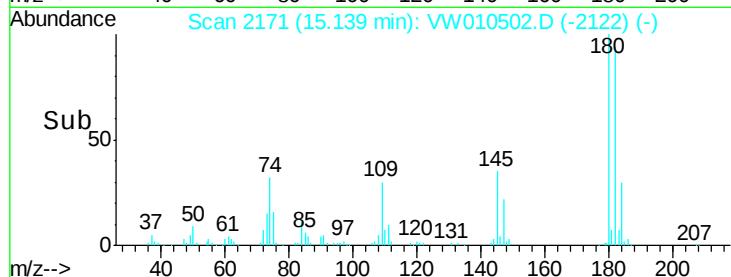
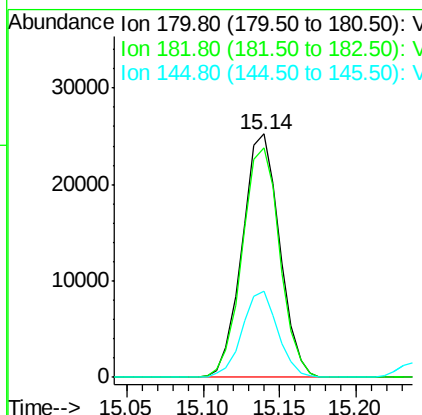
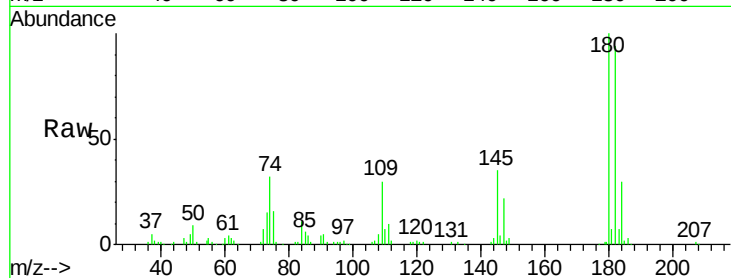




#93
 1,2,4-Trichlorobenzene
 Concen: 20.145 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010502.D
 Acq: 22 May 2019 11:30

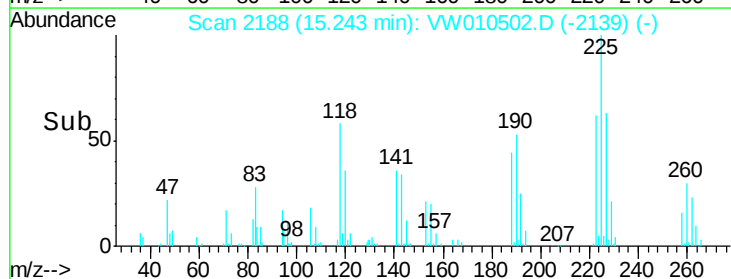
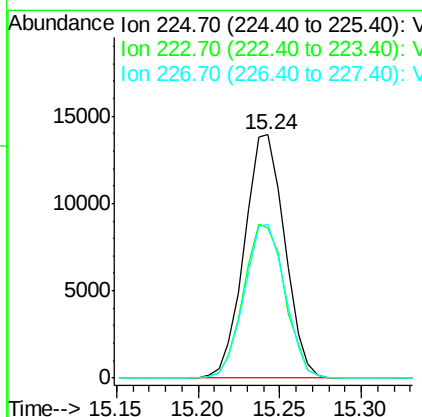
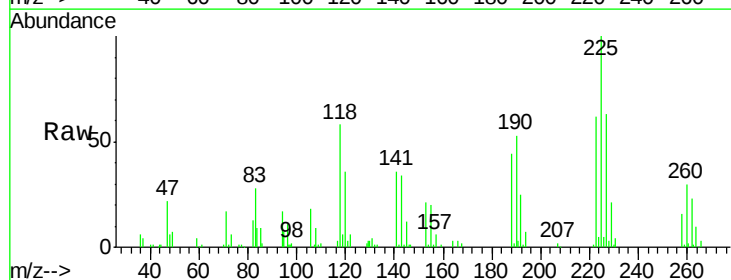
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0522SBS01

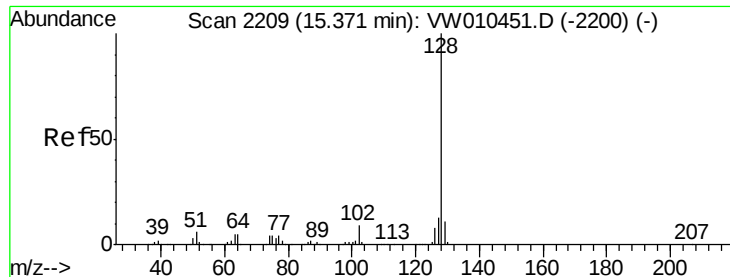
Tot Ion:180 Resp: 42842
 Ion Ratio Lower Upper
 180 100
 182 94.8 47.0 141.2
 145 33.8 16.7 50.0



#94
 Hexachlorobutadiene
 Concen: 21.157 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW010502.D
 Acq: 22 May 2019 11:30

Tgt Ion:225 Resp: 24037
 Ion Ratio Lower Upper
 225 100
 223 64.5 31.1 93.2
 227 63.7 31.1 93.5





#95

Naphthalene

Concen: 17.348 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VW0522SBS01

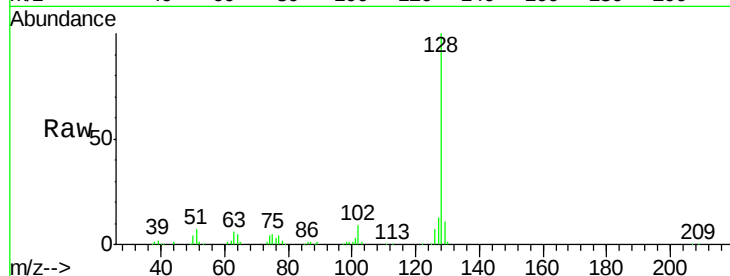
Tot Ion:128 Resp: 77444

Ion Ratio Lower Upper

128 100

127 12.8 10.6 15.8

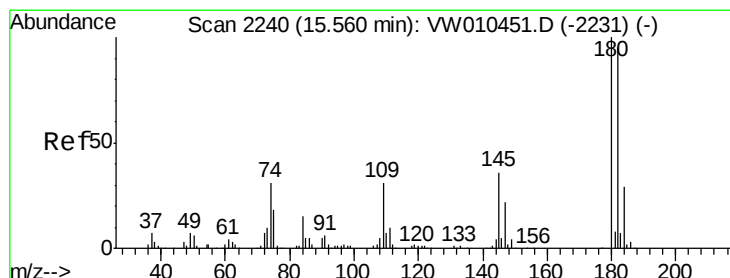
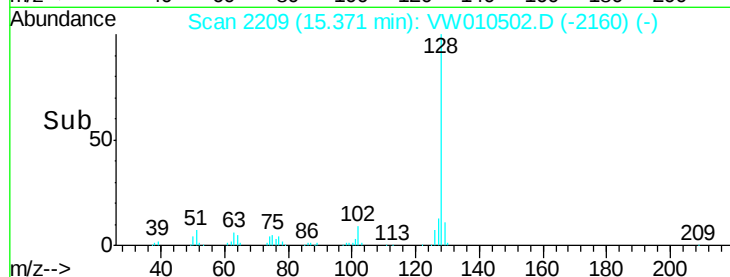
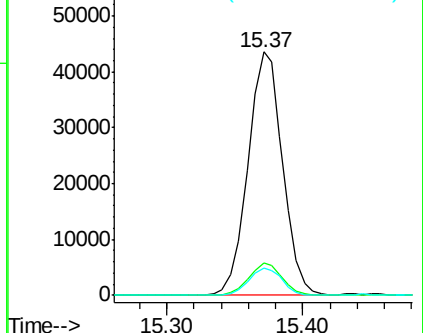
129 11.0 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.564 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

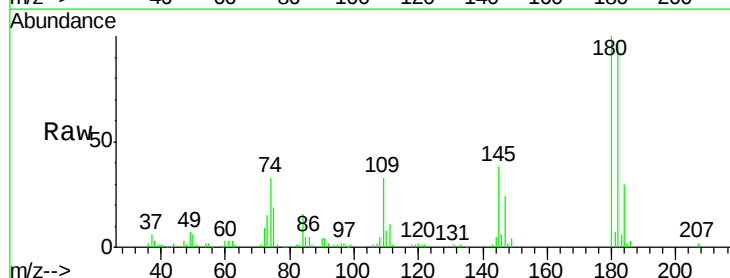
Tgt Ion:180 Resp: 35801

Ion Ratio Lower Upper

180 100

182 93.3 47.1 141.3

145 35.5 17.4 52.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

