

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052219\
 Data File : VW010503.D
 Acq On : 22 May 2019 11:57
 Operator : SY/VA
 Sample : VW0522SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0522SBSD01

Quant Time: May 23 06:55:34 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	149172	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	260355	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	227435	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	107540	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	72350	46.99	ug/l	0.00
Spiked Amount			Recovery	=	93.98%	
35) Dibromofluoromethane	7.88	113	77043	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	
50) Toluene-d8	10.32	98	296723	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	
62) 4-Bromofluorobenzene	12.62	95	113474	47.20	ug/l	0.00
Spiked Amount			Recovery	=	94.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	21805	16.219	ug/l	97
3) Chloromethane	2.21	50	26074	16.636	ug/l	98
4) Vinyl Chloride	2.35	62	28966	15.955	ug/l	95
5) Bromomethane	2.76	94	20765	16.626	ug/l	98
6) Chloroethane	2.91	64	19817	17.004	ug/l	98
7) Trichlorofluoromethane	3.25	101	51657	19.273	ug/l	100
8) Diethyl Ether	3.68	74	15375	18.096	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	31782	19.255	ug/l	100
10) Methyl Iodide	4.27	142	32134	17.032	ug/l	98
11) Tert butyl alcohol	5.17	59	9937	71.750	ug/l	98
12) 1,1-Dichloroethene	4.03	96	30368	19.273	ug/l	98
13) Acrolein	3.89	56	8765	94.757	ug/l	96
14) Allyl chloride	4.67	41	42916	18.817	ug/l	99
15) Acrylonitrile	5.37	53	29664	83.367	ug/l	99
16) Acetone	4.13	43	24546	78.100	ug/l	91
17) Carbon Disulfide	4.38	76	83475	17.762	ug/l	99
18) Methyl Acetate	4.67	43	13404	17.438	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	74176	18.466	ug/l	94
20) Methylene Chloride	4.92	84	31369	13.287	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	34846	19.281	ug/l	96
22) Diisopropyl ether	6.31	45	87469	18.704	ug/l	99
23) Vinyl Acetate	6.26	43	249751	89.403	ug/l	99
24) 1,1-Dichloroethane	6.21	63	53753	19.261	ug/l	97
25) 2-Butanone	7.17	43	37489	83.350	ug/l	99
26) 2,2-Dichloropropane	7.16	77	53017	19.943	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	38857	19.776	ug/l	98
28) Bromochloromethane	7.51	49	21229	21.246	ug/l	98
29) Tetrahydrofuran	7.52	42	24713	81.198	ug/l	99
30) Chloroform	7.68	83	59447	19.748	ug/l	100
31) Cyclohexane	7.96	56	54067	18.495	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	56527	19.647	ug/l	99
36) 1,1-Dichloropropene	8.09	75	47178	19.452	ug/l	100
37) Ethyl Acetate	7.26	43	17125	16.604	ug/l	98
38) Carbon Tetrachloride	8.07	117	50912	19.459	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	63537	19.554	ug/l	96
40) Benzene	8.32	78	132089	19.595	ug/l	100
41) Methacrylonitrile	7.49	41	10883	17.759	ug/l	96
42) 1,2-Dichloroethane	8.40	62	36877	19.140	ug/l	100
43) Isopropyl Acetate	8.43	43	34263	16.629	ug/l	98
44) Trichloroethene	9.09	130	39742	19.858	ug/l	97
45) 1,2-Dichloropropane	9.37	63	30654	19.147	ug/l	100
46) Dibromomethane	9.46	93	17683	18.886	ug/l	99
47) Bromodichloromethane	9.65	83	45297	19.252	ug/l	98
48) Methyl methacrylate	9.44	41	15495	16.438	ug/l	97
49) 1,4-Dioxane	9.45	88	4356	284.800	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	84423	80.859	ug/l	100
52) Toluene	10.39	92	90187	19.921	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	43433	18.227	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	51966	19.095	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	25521	18.955	ug/l	97
56) Ethyl methacrylate	10.65	69	32135	17.306	ug/l	98
57) 1,3-Dichloropropane	10.93	76	41509	18.405	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	75290	91.540	ug/l	97
59) 2-Hexanone	10.97	43	59989	80.545	ug/l	98
60) Dibromochloromethane	11.13	129	31647	18.572	ug/l	100
61) 1,2-Dibromoethane	11.24	107	25337	18.577	ug/l	99
64) Tetrachloroethene	10.87	164	31773	20.041	ug/l	95
65) Chlorobenzene	11.66	112	96497	19.908	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	34636	19.947	ug/l	100
67) Ethyl Benzene	11.73	91	170586	19.933	ug/l	99
68) m/p-Xylenes	11.84	106	133093	39.650	ug/l	99
69) o-Xylene	12.17	106	63647	20.013	ug/l	99
70) Styrene	12.18	104	105974	19.639	ug/l	99
71) Bromoform	12.35	173	16613	17.374	ug/l	99
73) Isopropylbenzene	12.47	105	173026	20.276	ug/l	99
74) N-amyl acetate	12.27	43	31325	16.019	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	27466	17.695	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	35913	32.899	ug/l	33
77) Bromobenzene	12.75	156	38046	19.923	ug/l	99
78) n-propylbenzene	12.80	91	198809	19.991	ug/l	100
79) 2-Chlorotoluene	12.90	91	116269	20.160	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	146639	20.289	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	8446	16.148	ug/l	95
82) 4-Chlorotoluene	12.99	91	120235	20.085	ug/l	100
83) tert-Butylbenzene	13.21	119	129537	20.518	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	143296	19.907	ug/l	100
85) sec-Butylbenzene	13.38	105	175081	19.817	ug/l	100
86) p-Isopropyltoluene	13.50	119	160285	20.044	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	74340	19.842	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	74534	19.828	ug/l	97
89) n-Butylbenzene	13.83	91	148259	19.491	ug/l	99
90) Hexachloroethane	14.10	117	30410	19.647	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	66675	19.531	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4845	16.787	ug/l	90

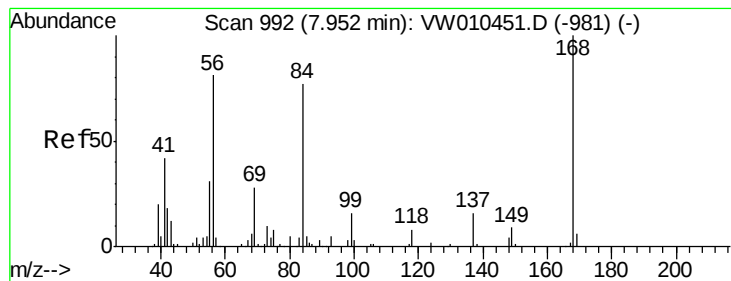
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052219\
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Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	43096	18.554	ug/l	100
94) Hexachlorobutadiene	15.24	225	23188	18.687	ug/l	98
95) Naphthalene	15.37	128	81461	16.708	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	36324	18.175	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

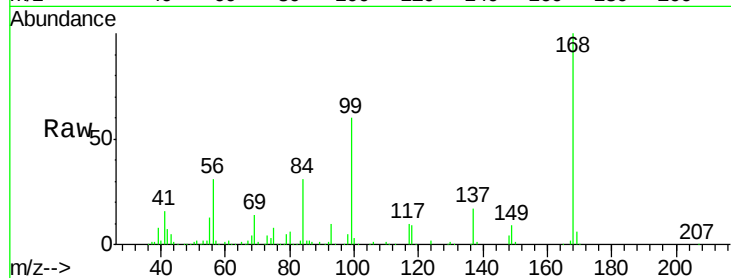
VW0522SBSD01

Tot Ion:168 Resp: 149172

Ion Ratio Lower Upper

168 100

99 60.2 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

40000

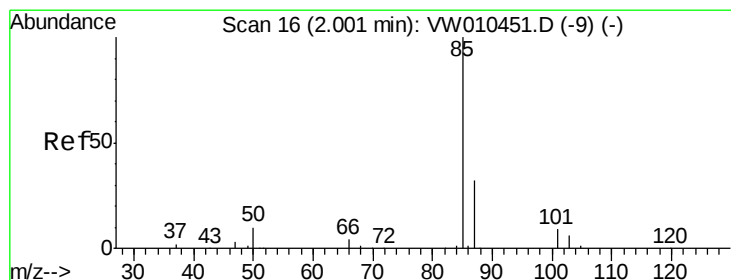
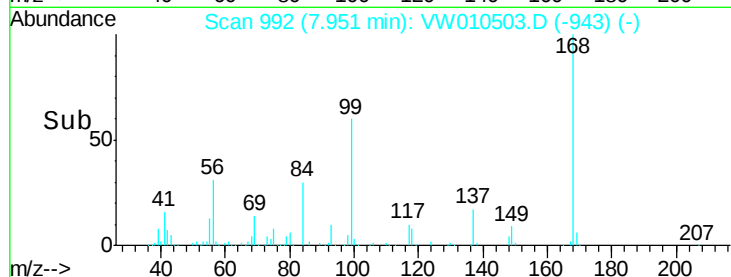
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 16.219 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010503.D

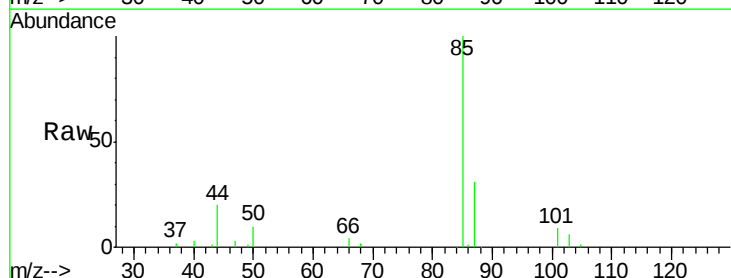
Acq: 22 May 2019 11:57

Tgt Ion: 85 Resp: 21805

Ion Ratio Lower Upper

85 100

87 31.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

15000

10000

5000

0

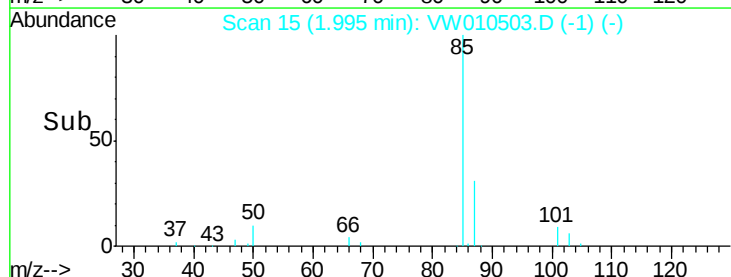
1.95

2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 16.636 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

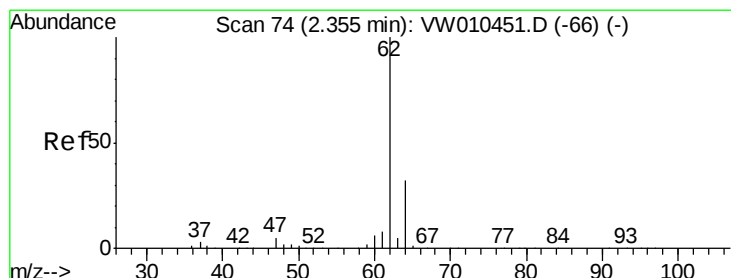
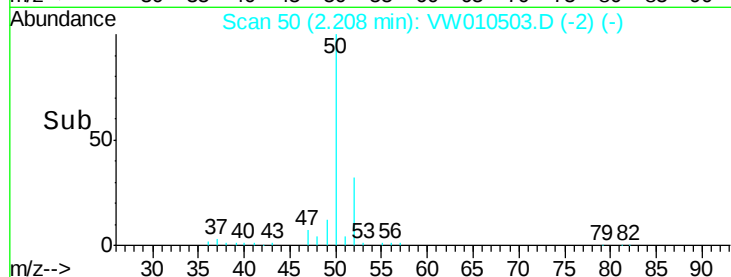
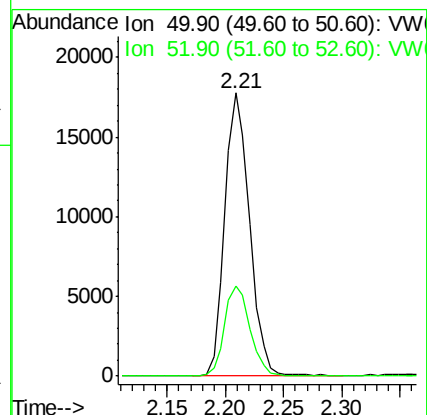
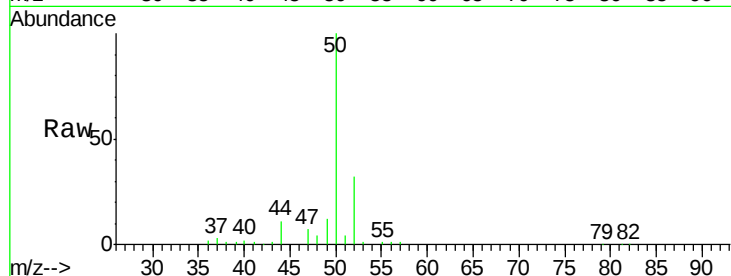
VW0522SBSD01

Tot Ion: 50 Resp: 26074

Ion Ratio Lower Upper

50 100

52 31.7 26.3 39.5



#4

Vinyl Chloride

Concen: 15.955 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010503.D

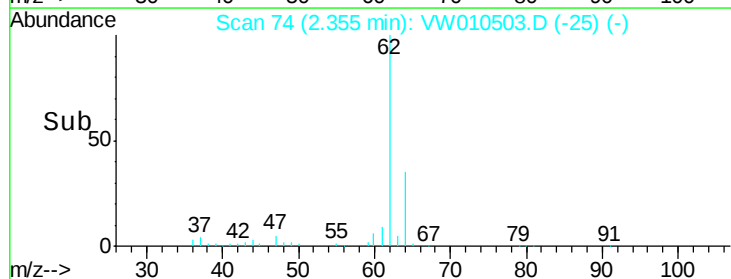
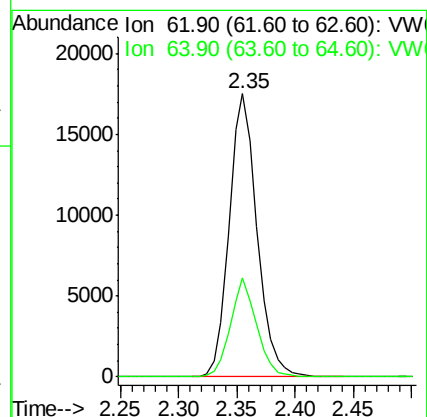
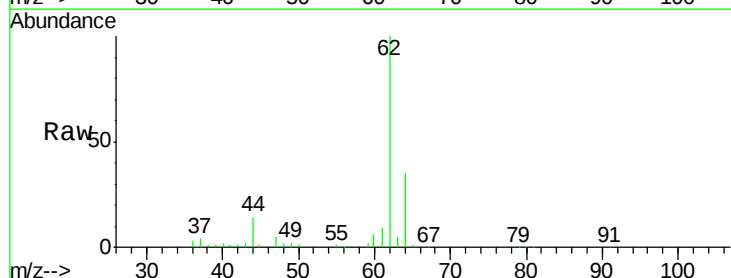
Acq: 22 May 2019 11:57

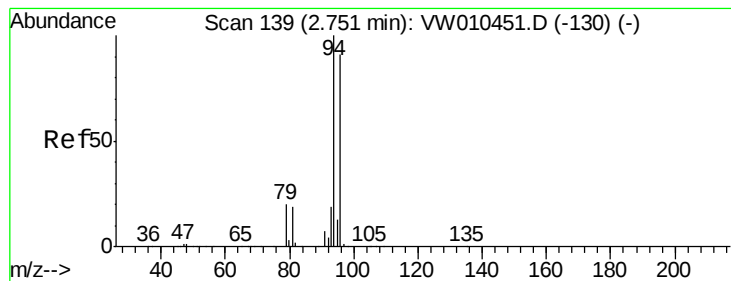
Tgt Ion: 62 Resp: 28966

Ion Ratio Lower Upper

62 100

64 35.2 25.8 38.8





#5

Bromomethane

Concen: 16.626 ug/l

RT: 2.76 min Scan# 140

Delta R.T. 0.01 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

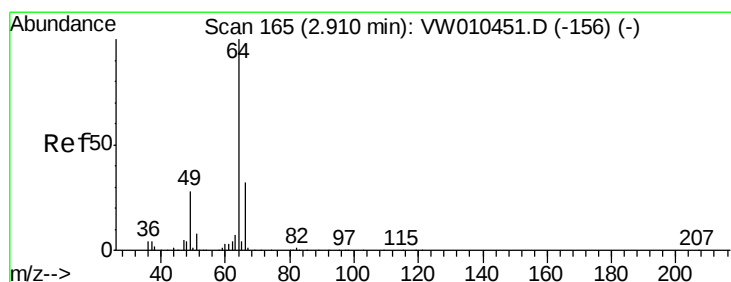
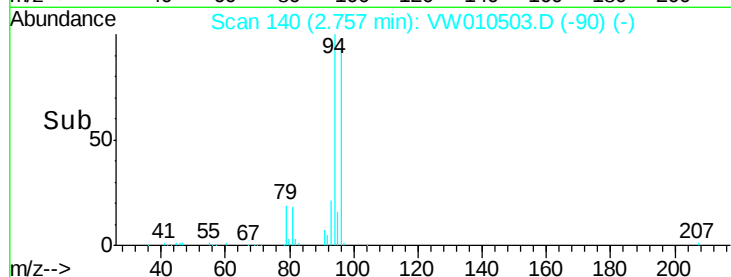
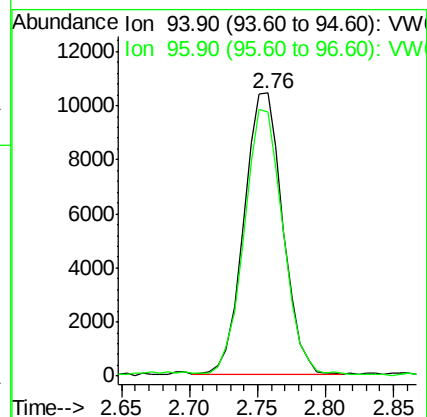
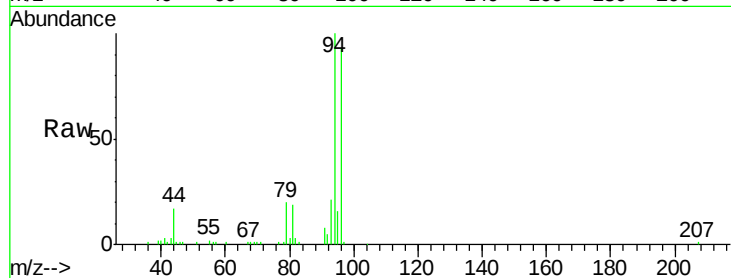
VW0522SBSD01

Tot Ion: 94 Resp: 20765

Ion Ratio Lower Upper

94 100

96 93.0 72.9 109.3



#6

Chloroethane

Concen: 17.004 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.00 min

Lab File: VW010503.D

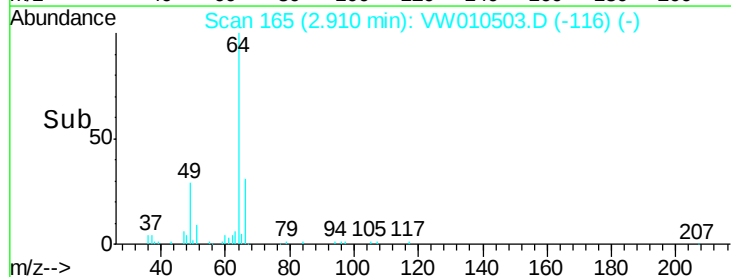
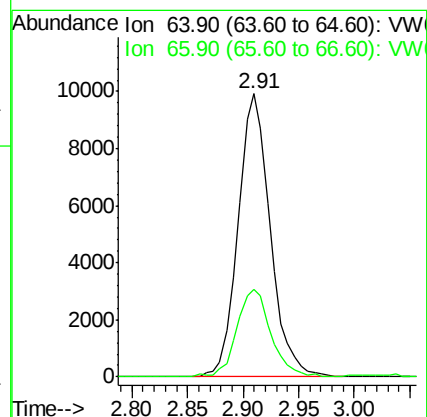
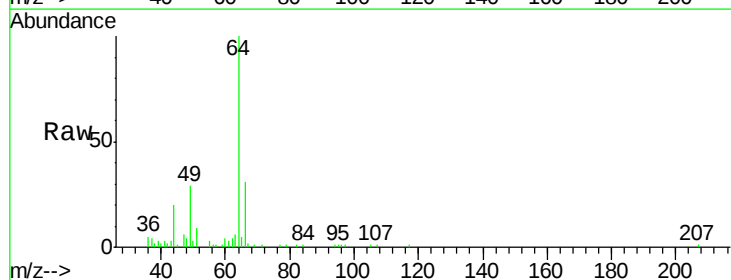
Acq: 22 May 2019 11:57

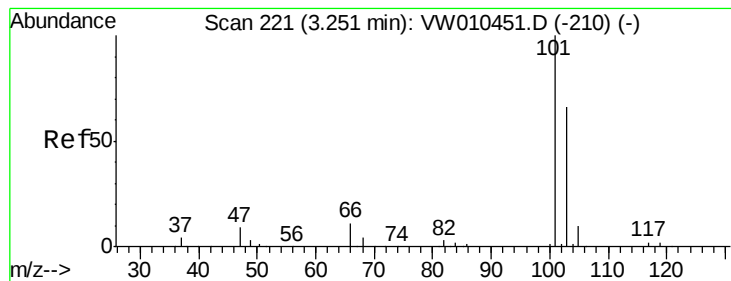
Tgt Ion: 64 Resp: 19817

Ion Ratio Lower Upper

64 100

66 30.8 25.5 38.3



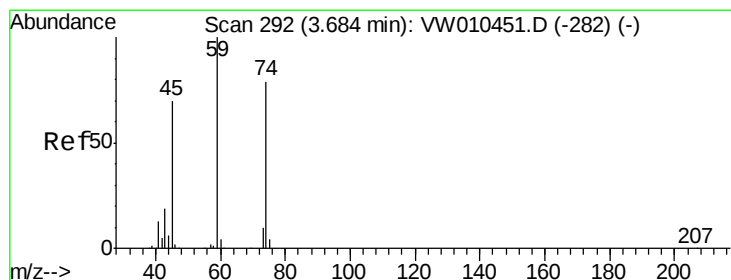
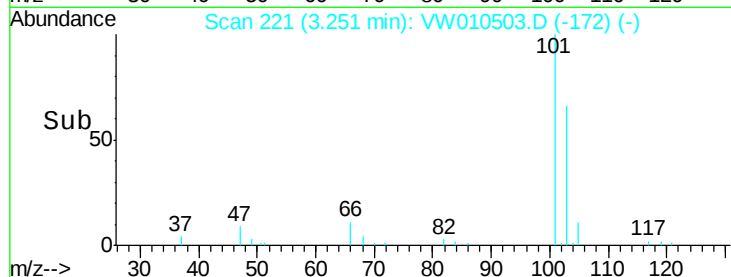
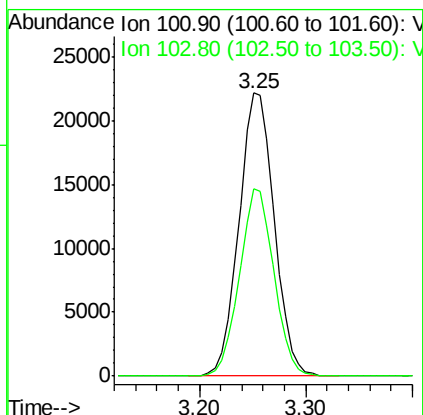
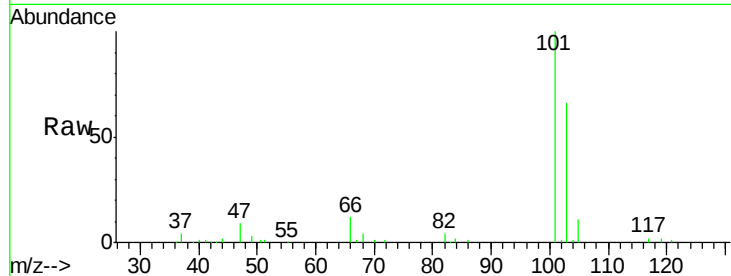


#7

Trichlorofluoromethane
 Concen: 19.273 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010503.D
 Acq: 22 May 2019 11:57

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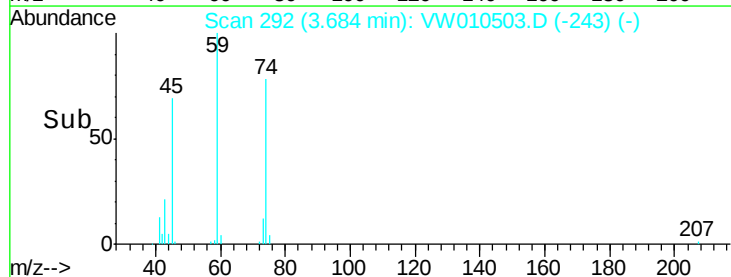
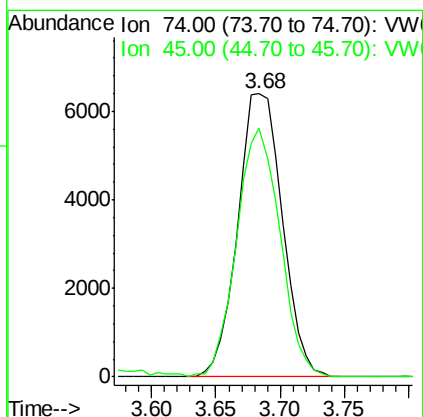
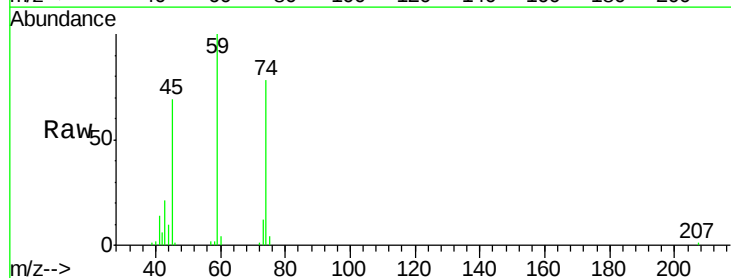
Tot Ion:101 Resp: 51657
 Ion Ratio Lower Upper
 101 100
 103 66.4 53.0 79.4

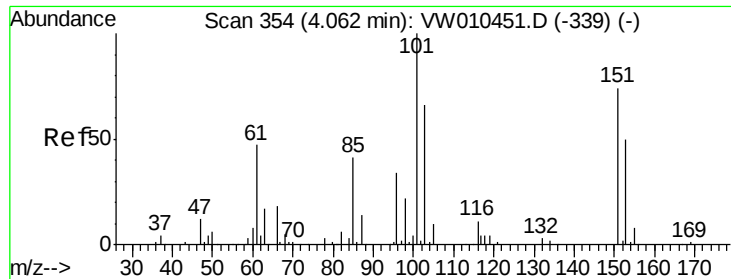


#8

Diethyl Ether
 Concen: 18.096 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW010503.D
 Acq: 22 May 2019 11:57

Tgt Ion: 74 Resp: 15375
 Ion Ratio Lower Upper
 74 100
 45 85.2 42.9 128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.255 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

VW0522SBSD01

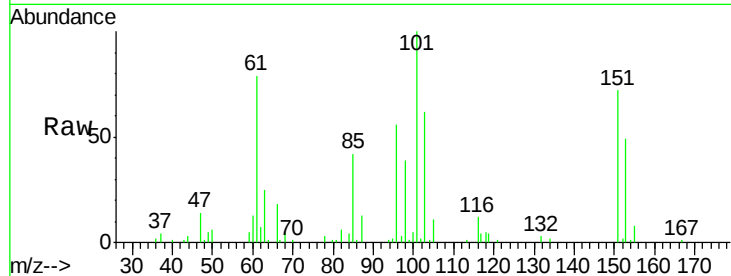
Tot Ion:101 Resp: 31782

Ion Ratio Lower Upper

101 100

85 42.7 34.3 51.5

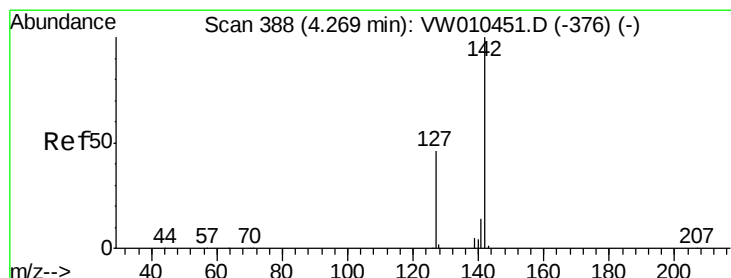
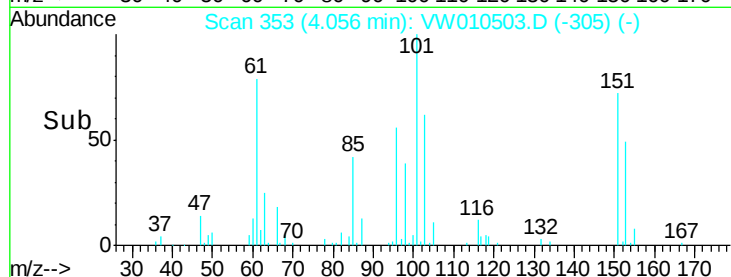
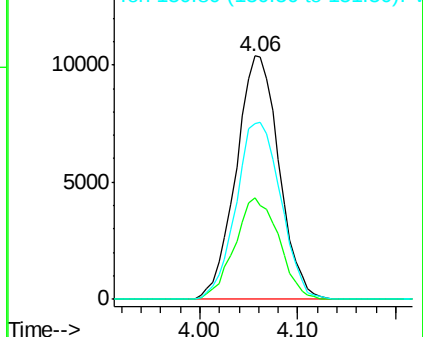
151 75.7 60.3 90.5



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: 17.032 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

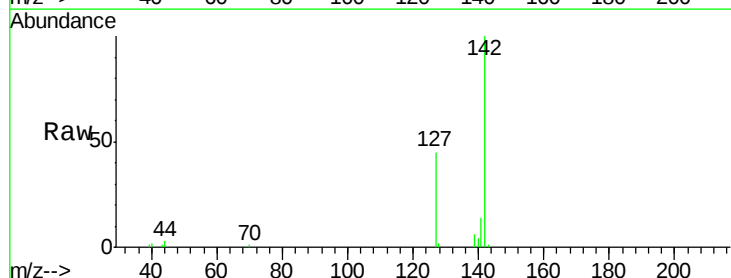
Tgt Ion:142 Resp: 32134

Ion Ratio Lower Upper

142 100

127 43.5 36.1 54.1

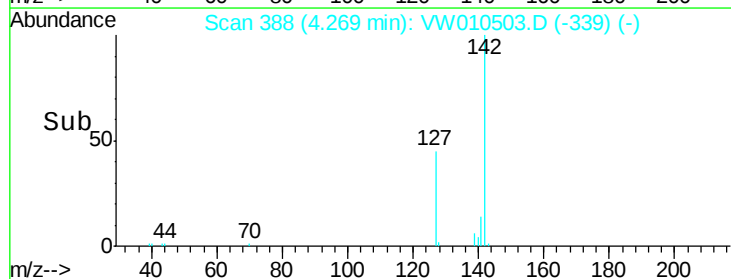
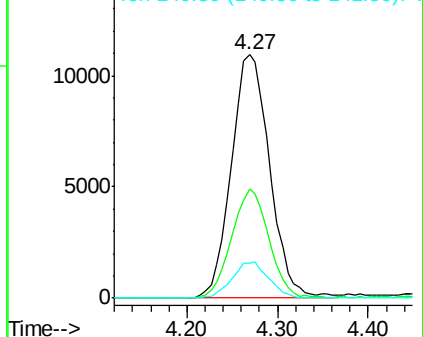
141 14.3 11.3 16.9

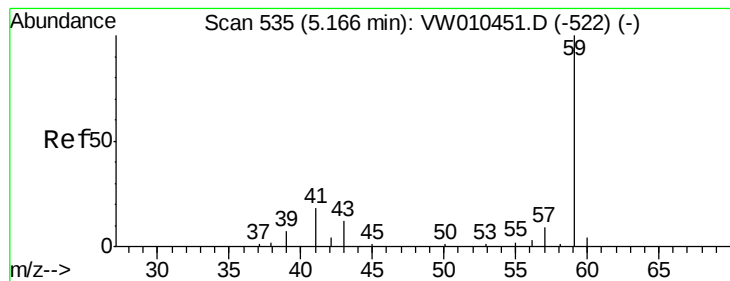


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



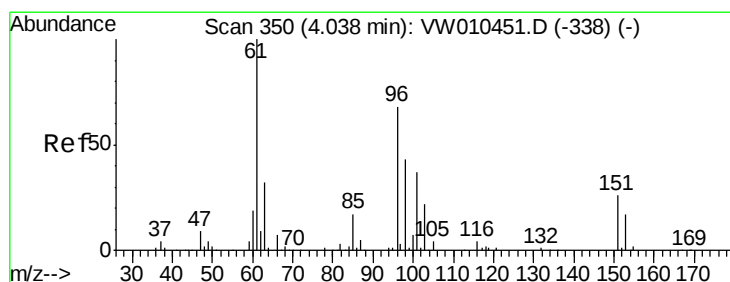
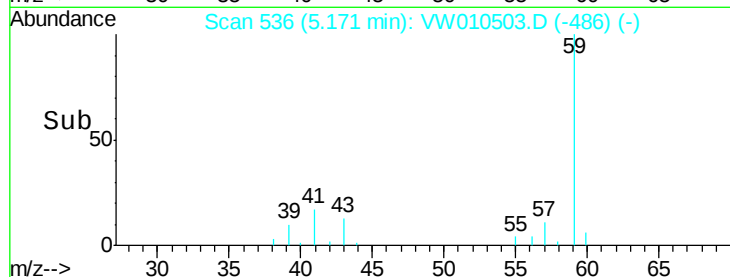
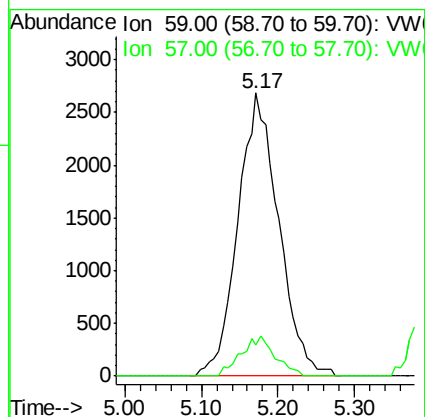
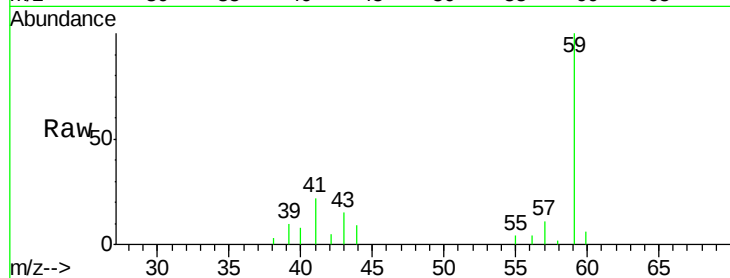


#11

Tert butyl alcohol
 Concen: 71.750 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW010503.D
 Acq: 22 May 2019 11:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0522SBSD01

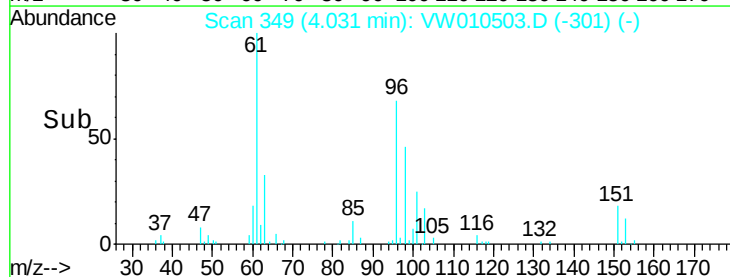
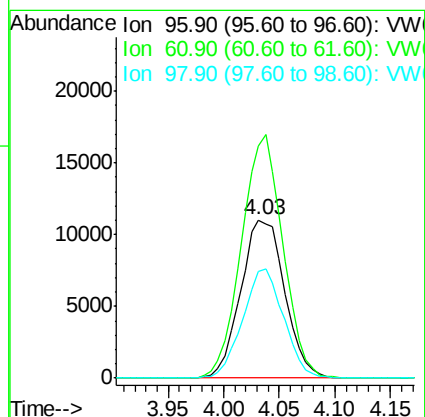
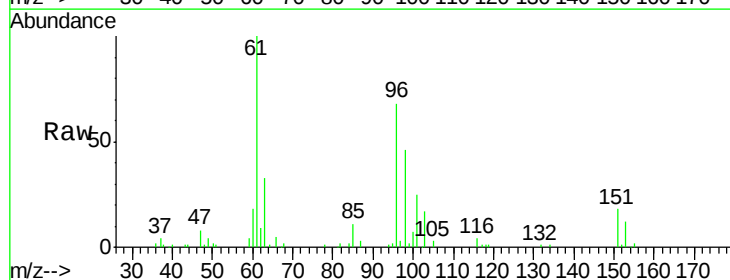
Tot Ion: 59 Resp: 9937
 Ion Ratio Lower Upper
 59 100
 57 11.7 8.8 13.2

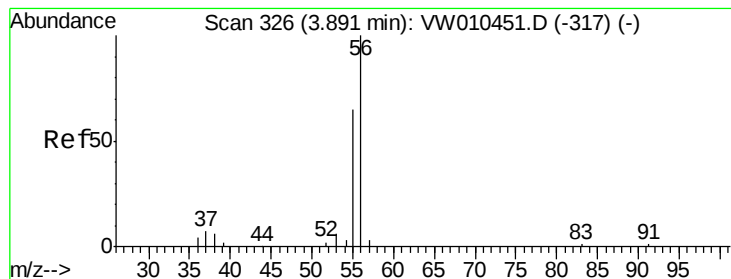


#12

1,1-Dichloroethene
 Concen: 19.273 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW010503.D
 Acq: 22 May 2019 11:57

Tgt Ion: 96 Resp: 30368
 Ion Ratio Lower Upper
 96 100
 61 147.1 118.3 177.5
 98 67.1 51.0 76.6





#13

Acrolein

Concen: 94.757 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

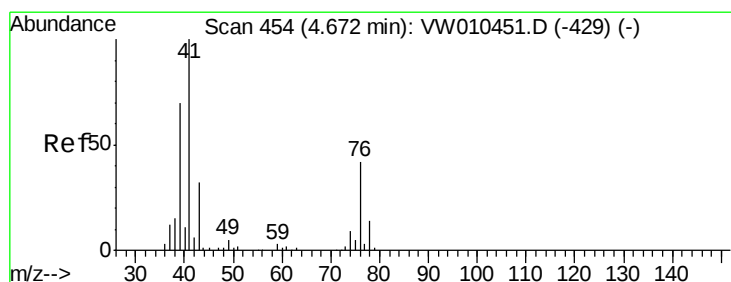
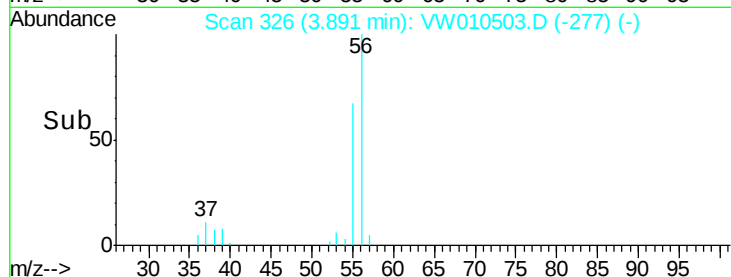
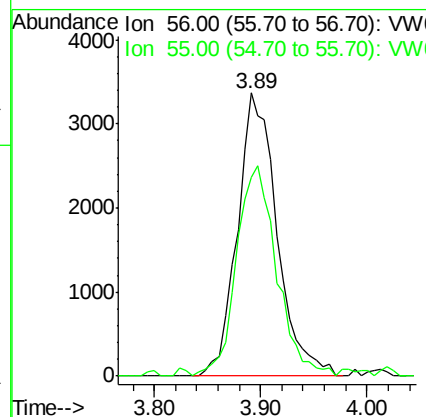
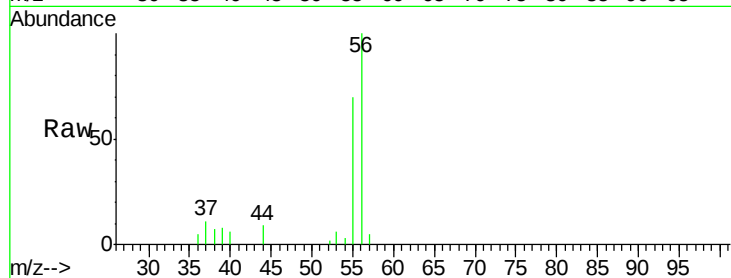
VW0522SBSD01

Tot Ion: 56 Resp: 8765

Ion Ratio Lower Upper

56 100

55 75.6 57.9 86.9



#14

Allyl chloride

Concen: 18.817 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

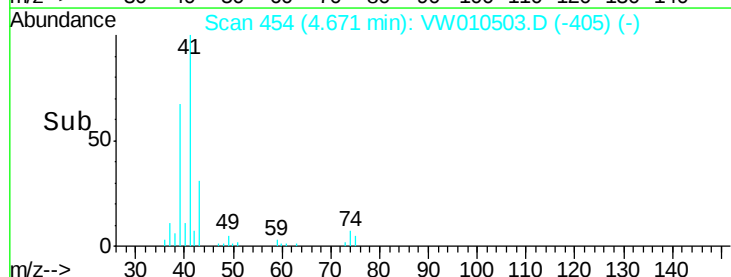
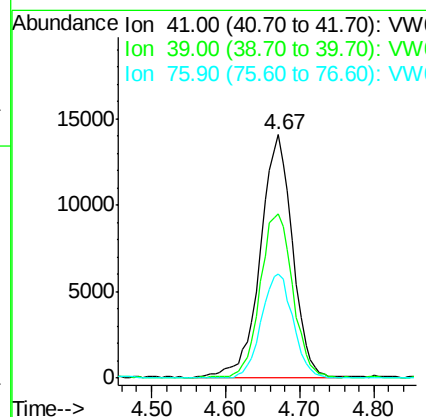
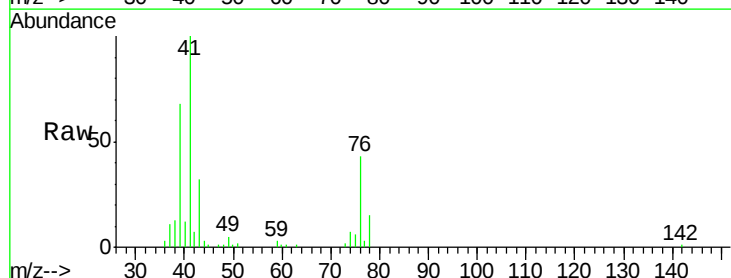
Tgt Ion: 41 Resp: 42916

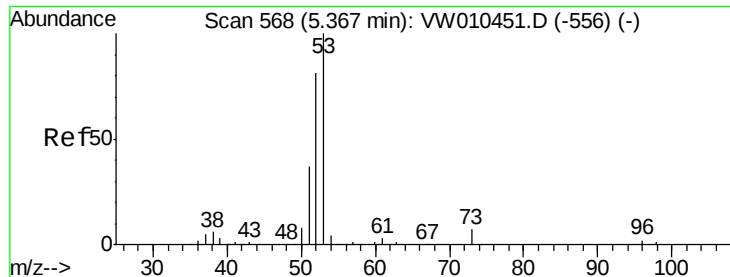
Ion Ratio Lower Upper

41 100

39 68.5 55.0 82.4

76 41.7 32.8 49.2





#15

Acrylonitrile

Concen: 83.367 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

VW0522SBSD01

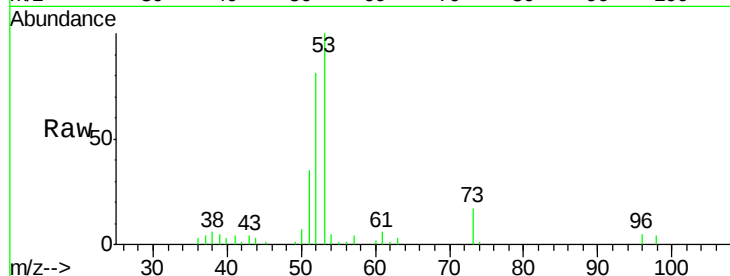
Tot Ion: 53 Resp: 29664

Ion Ratio Lower Upper

53 100

52 80.4 65.6 98.4

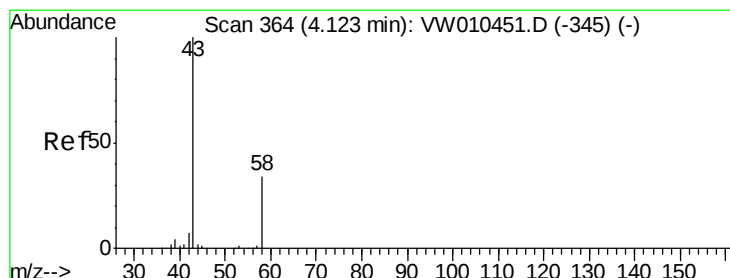
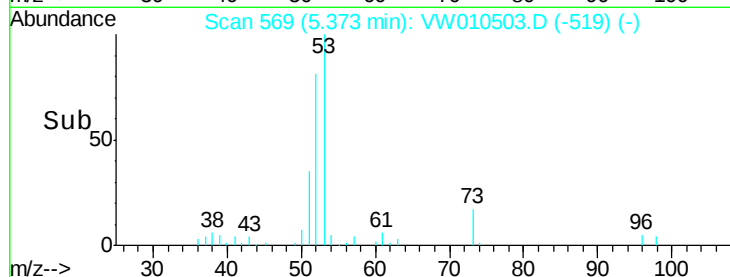
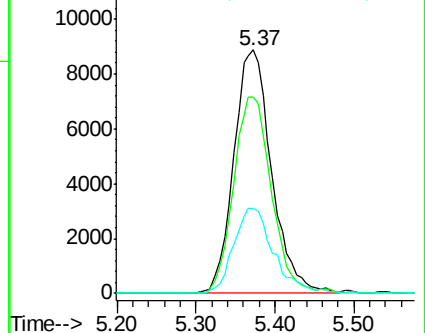
51 36.6 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 78.100 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010503.D

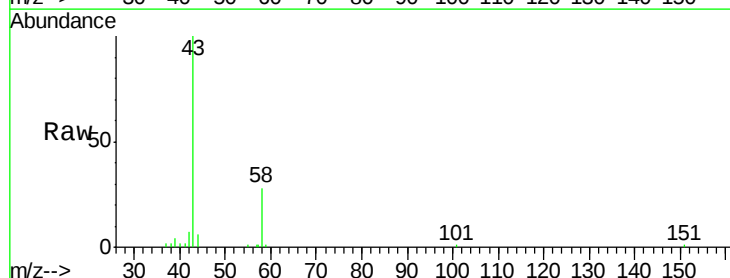
Acq: 22 May 2019 11:57

Tgt Ion: 43 Resp: 24546

Ion Ratio Lower Upper

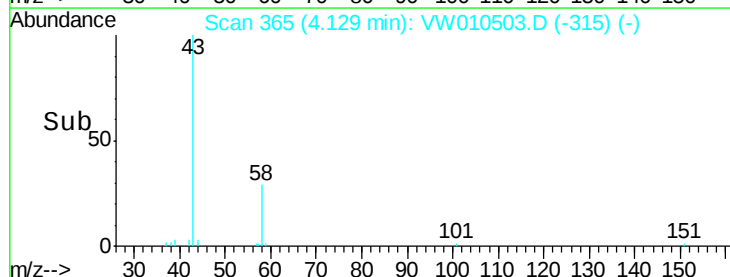
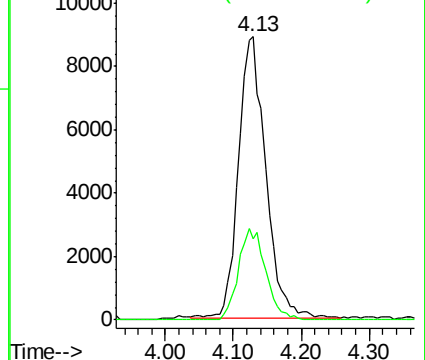
43 100

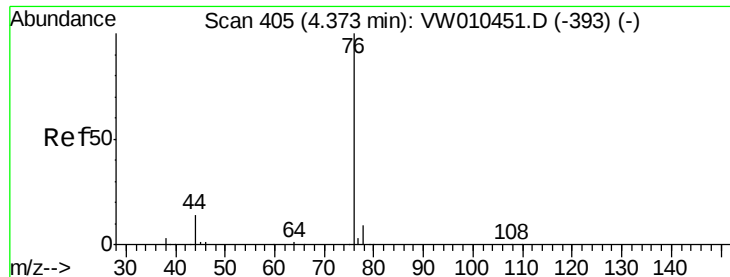
58 28.7 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 17.762 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

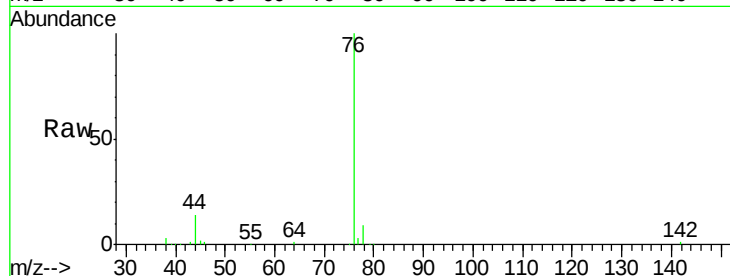
VW0522SBSD01

Tot Ion: 76 Resp: 83475

Ion Ratio Lower Upper

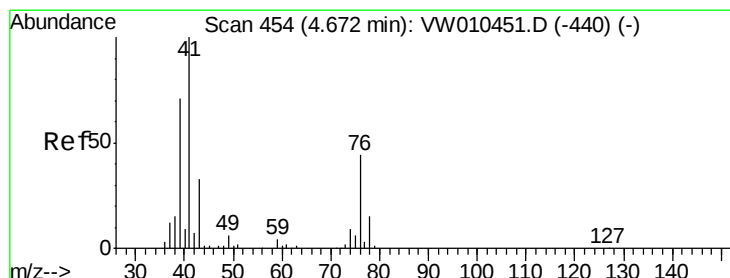
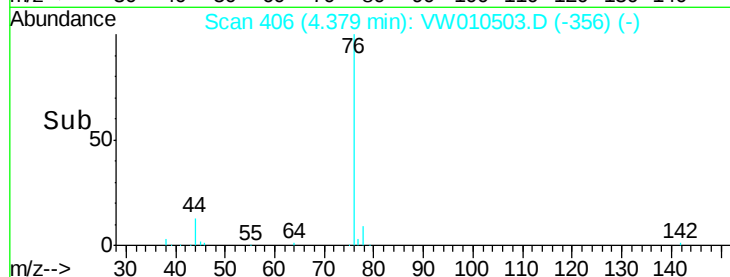
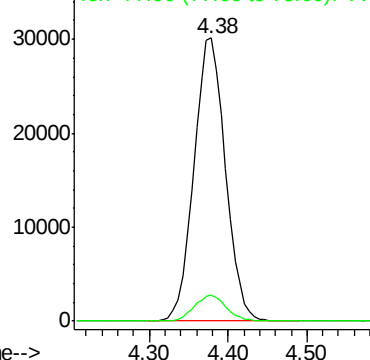
76 100

78 9.3 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: 17.438 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW010503.D

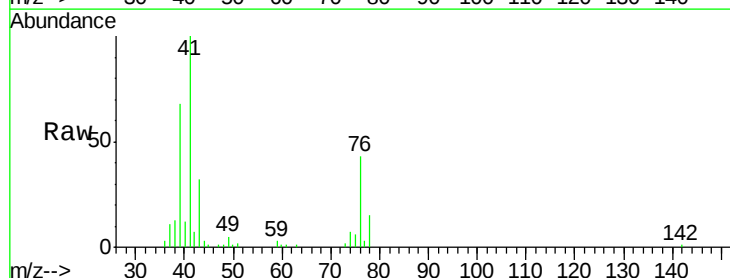
Acq: 22 May 2019 11:57

Tgt Ion: 43 Resp: 13404

Ion Ratio Lower Upper

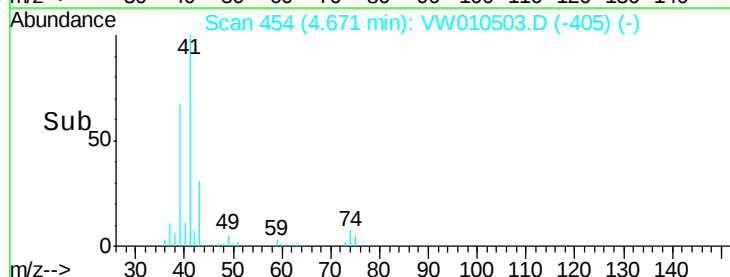
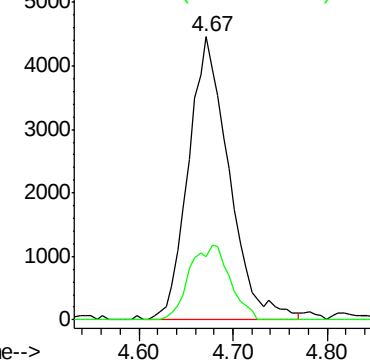
43 100

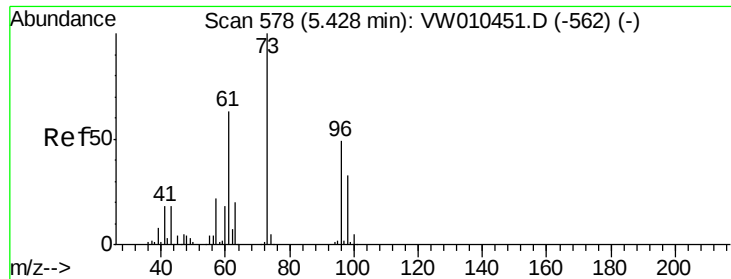
74 26.4 21.6 32.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

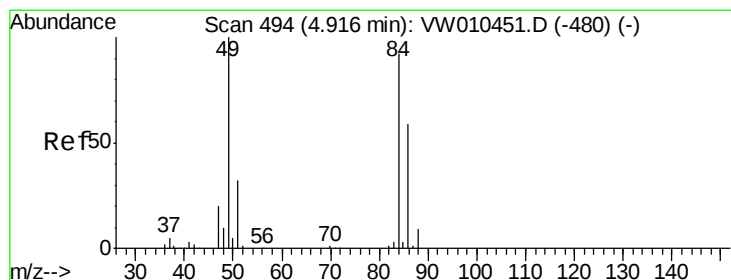
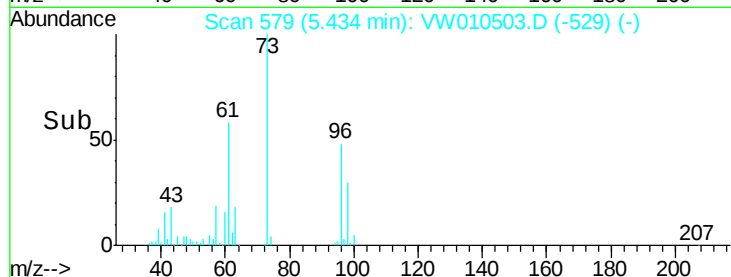
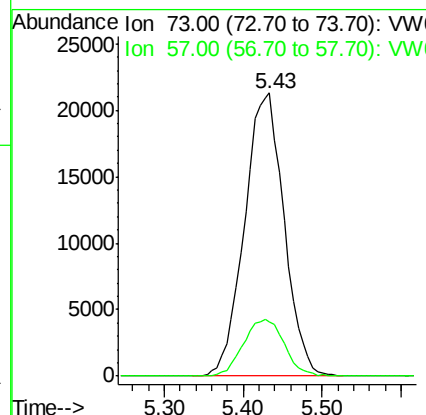
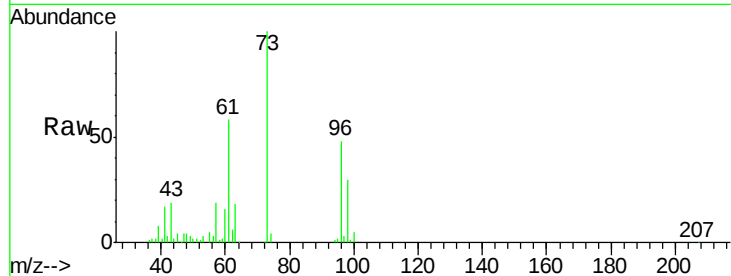




#19
Methyl tert-butyl Ether
Concen: 18.466 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

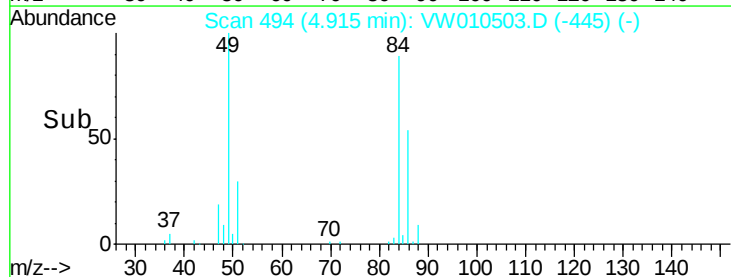
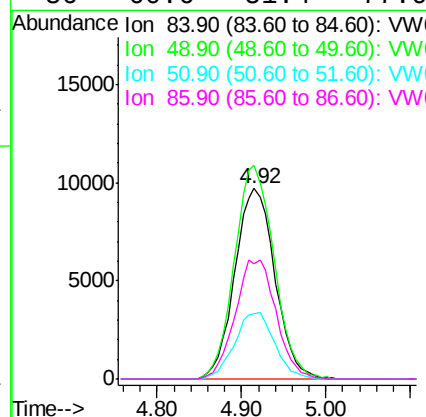
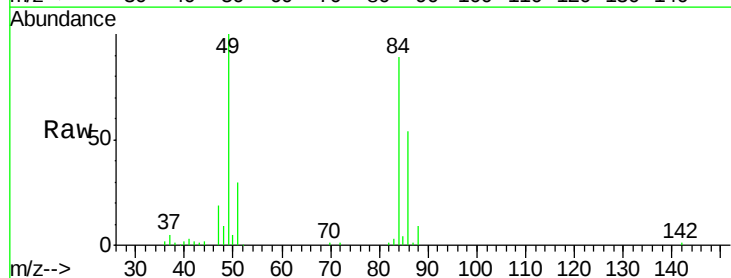
Instrument :
MSVOA_W
ClientSampleId :
VW0522SBSD01

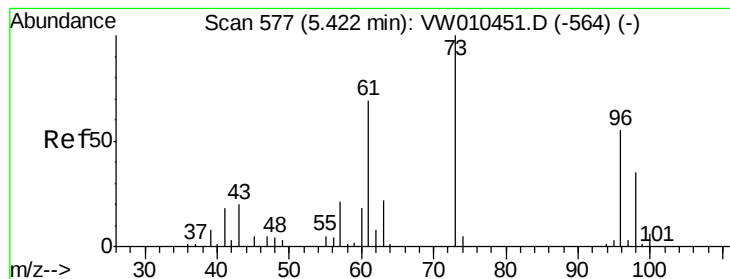
Tot Ion: 73 Resp: 74176
Ion Ratio Lower Upper
73 100
57 19.0 17.4 26.0



#20
Methylene Chloride
Concen: 13.287 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Tgt Ion: 84 Resp: 31369
Ion Ratio Lower Upper
84 100
49 112.1 87.2 130.8
51 34.2 27.7 41.5
86 60.6 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 19.281 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

VW0522SBSD01

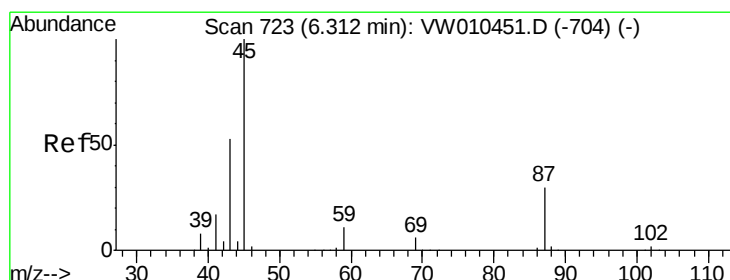
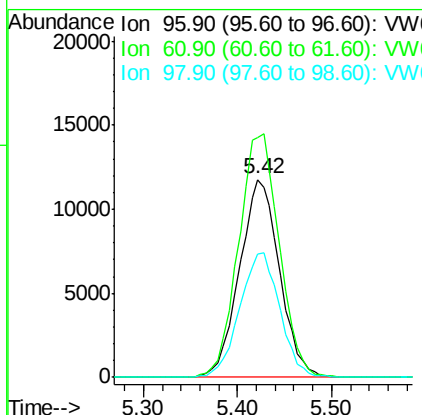
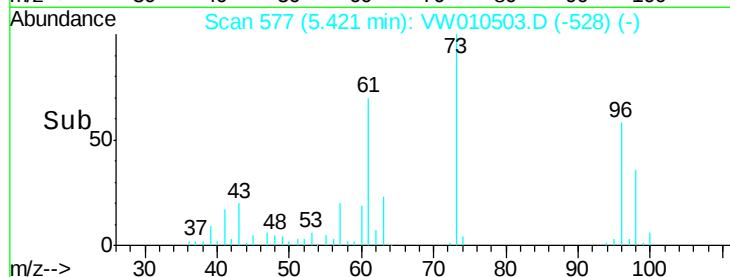
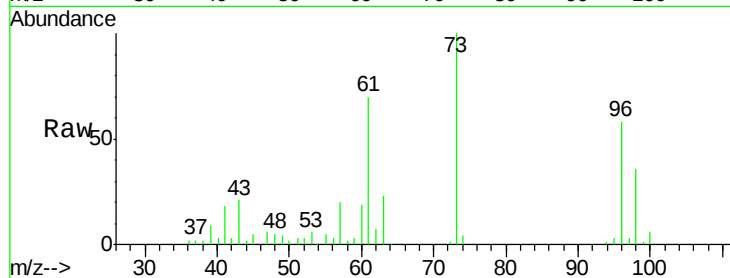
Tot Ion: 96 Resp: 34846

Ion Ratio Lower Upper

96 100

61 121.0 101.4 152.0

98 62.3 50.6 76.0



#22

Diisopropyl ether

Concen: 18.704 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Tgt Ion: 45 Resp: 87469

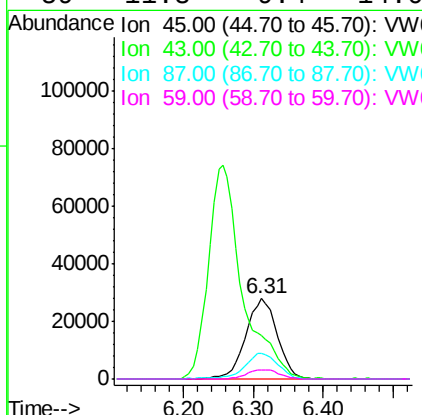
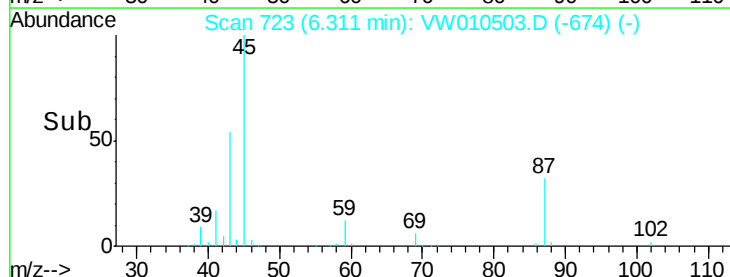
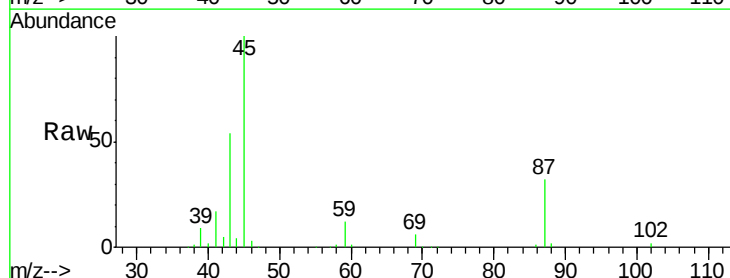
Ion Ratio Lower Upper

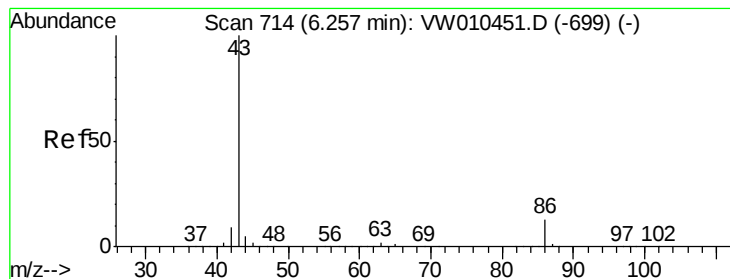
45 100

43 53.6 42.9 64.3

87 32.1 24.6 36.8

59 11.8 9.4 14.0





#23

Vinyl Acetate

Concen: 89.403 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

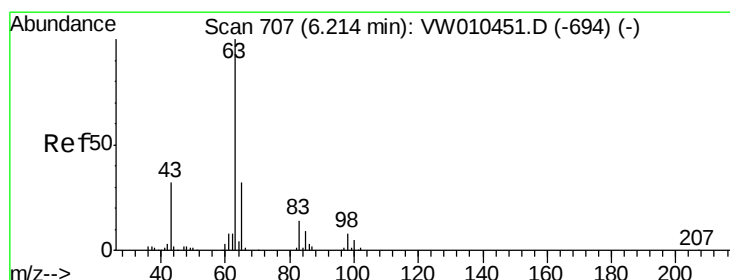
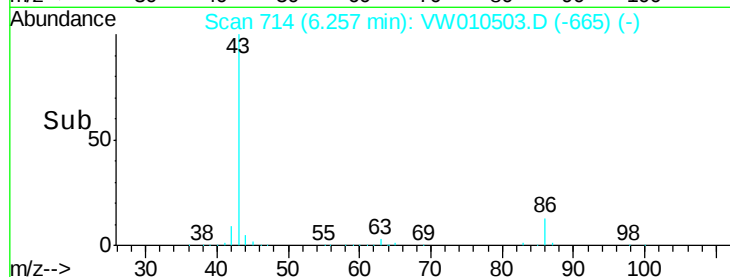
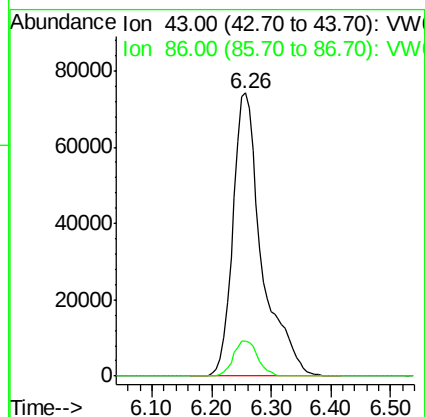
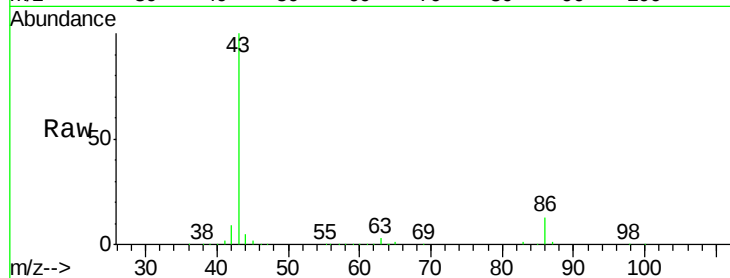
VW0522SBSD01

Tot Ion: 43 Resp: 249751

Ion Ratio Lower Upper

43 100

86 12.6 10.3 15.5



#24

1,1-Dichloroethane

Concen: 19.261 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

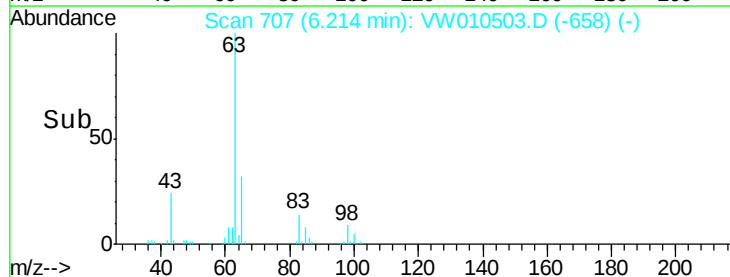
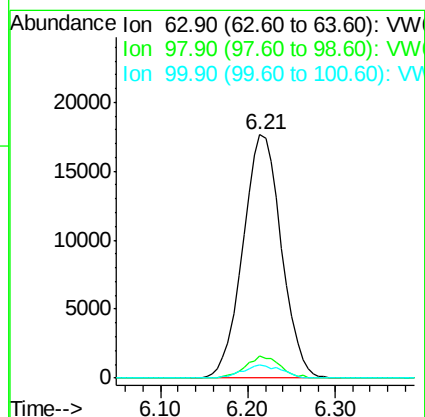
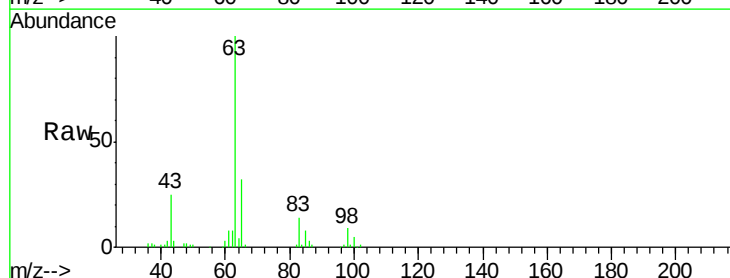
Tgt Ion: 63 Resp: 53753

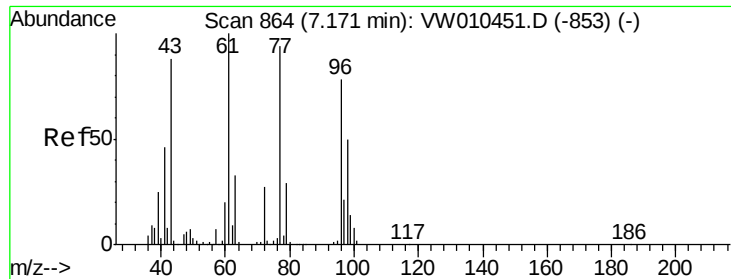
Ion Ratio Lower Upper

63 100

98 8.9 3.8 11.2

100 5.2 2.5 7.4





#25

2-Butanone

Concen: 83.350 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

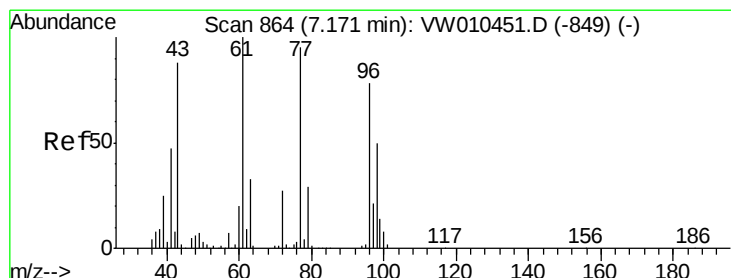
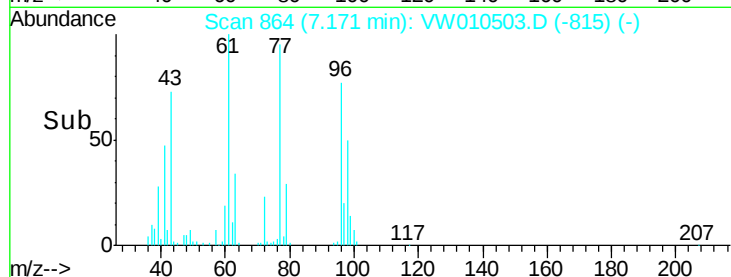
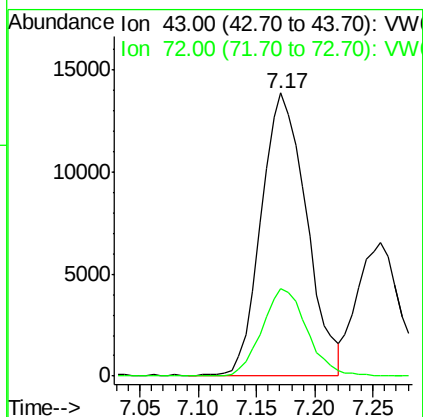
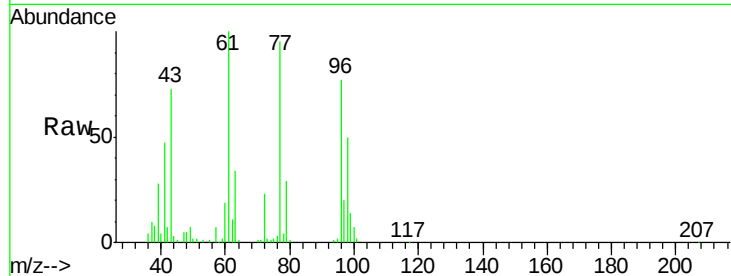
VW0522SBSD01

Tot Ion: 43 Resp: 37489

Ion Ratio Lower Upper

43 100

72 30.7 24.1 36.1



#26

2,2-Dichloropropane

Concen: 19.943 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010503.D

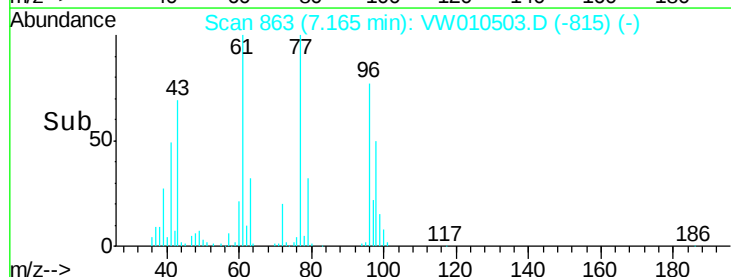
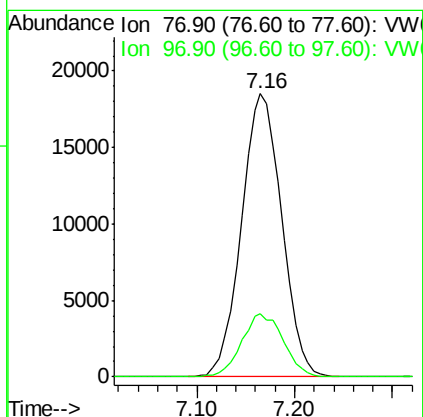
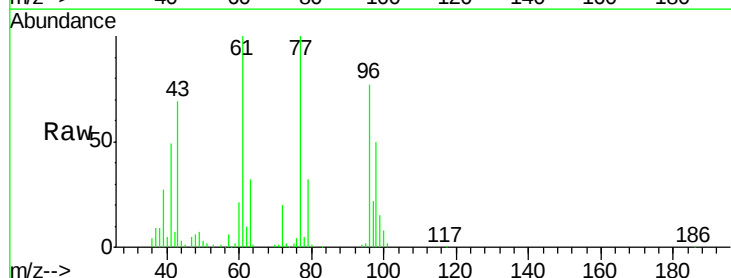
Acq: 22 May 2019 11:57

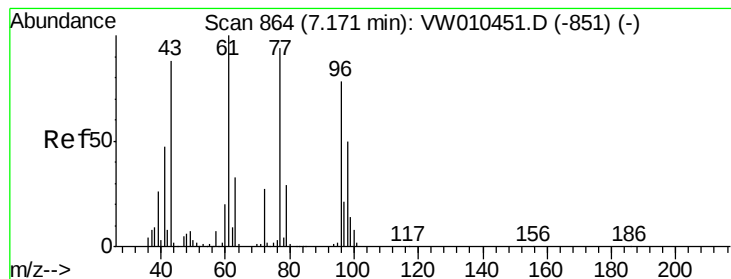
Tgt Ion: 77 Resp: 53017

Ion Ratio Lower Upper

77 100

97 23.1 11.7 35.0



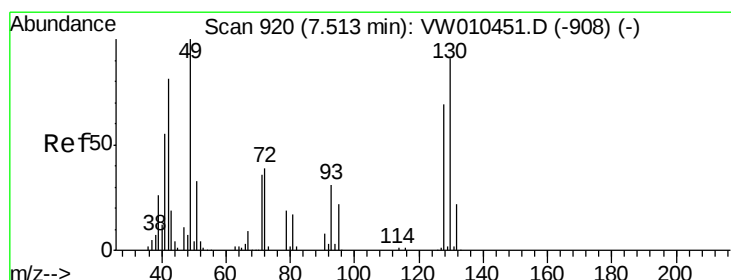
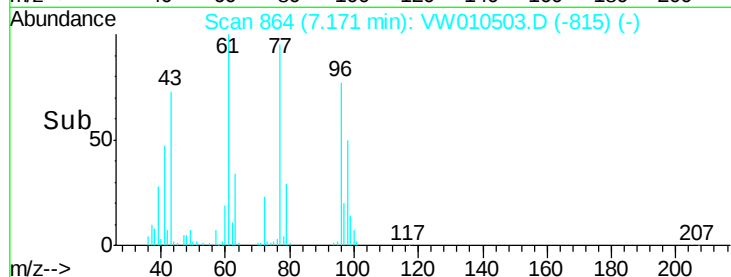
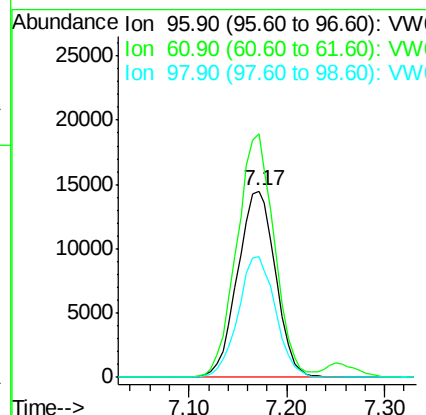
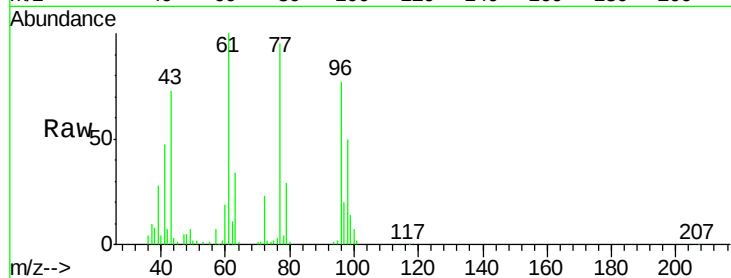


#27

cis-1,2-Dichloroethene
 Concen: 19.776 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW010503.D
 Acq: 22 May 2019 11:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0522SBSD01

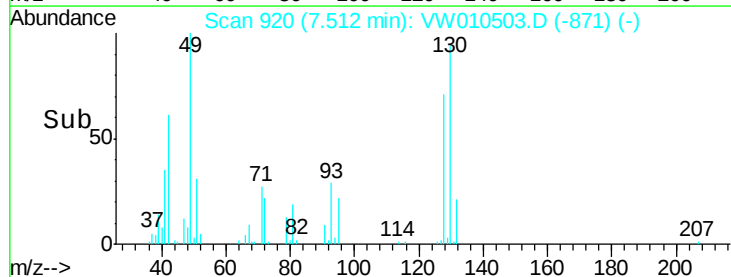
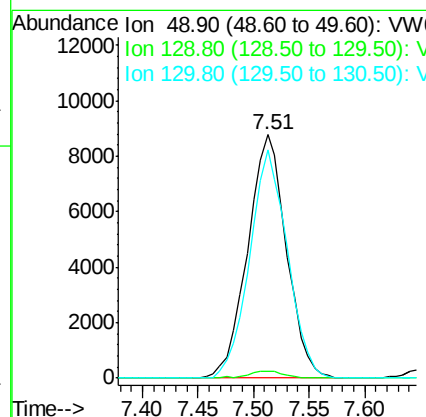
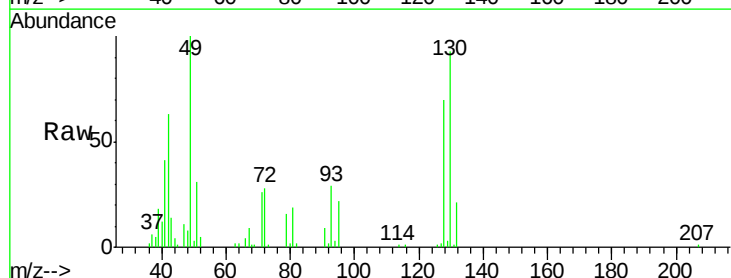
Tot Ion	96	Resp	38857
Ion	Ratio	Lower	Upper
96	100		
61	129.5	0.0	265.4
98	63.5	0.0	129.4

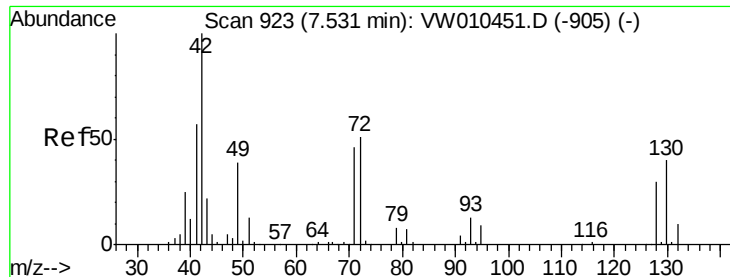


#28

Bromochloromethane
 Concen: 21.246 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW010503.D
 Acq: 22 May 2019 11:57

Tgt Ion	49	Resp	21229
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.8
130	91.2	71.2	106.8

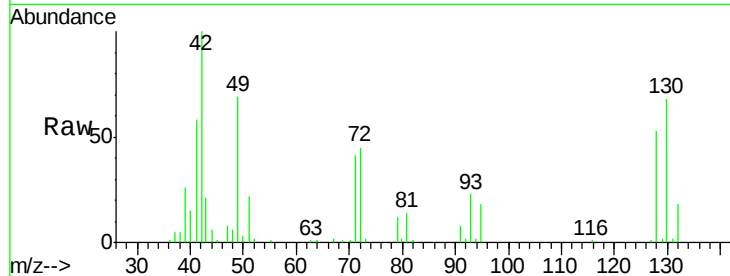




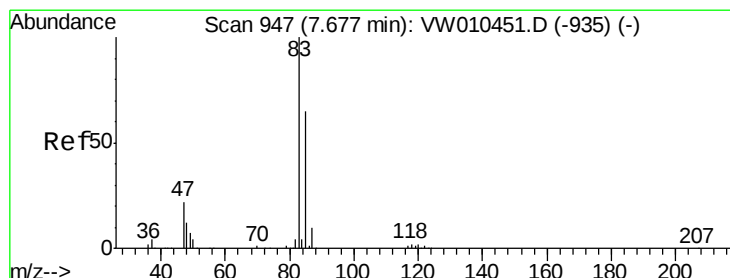
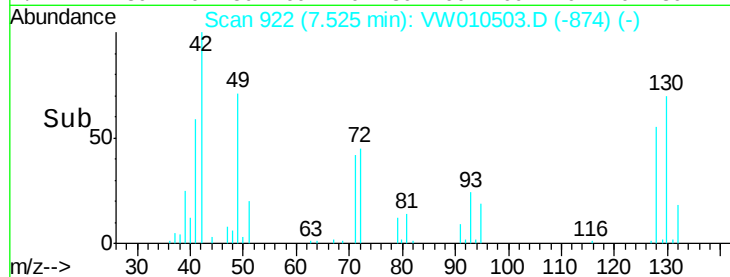
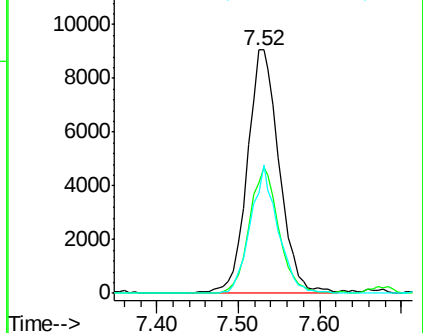
#29
Tetrahydrofuran
Concen: 81.198 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Instrument :
MSVOA_W
ClientSampleId :
VW0522SBSD01

Tot Ion: 42 Resp: 24713
Ion Ratio Lower Upper
42 100
72 47.7 38.5 57.7
71 45.2 36.5 54.7

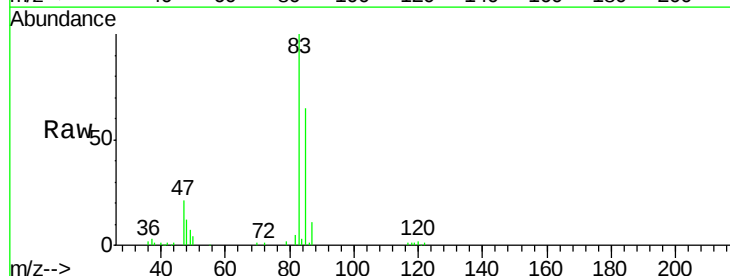


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

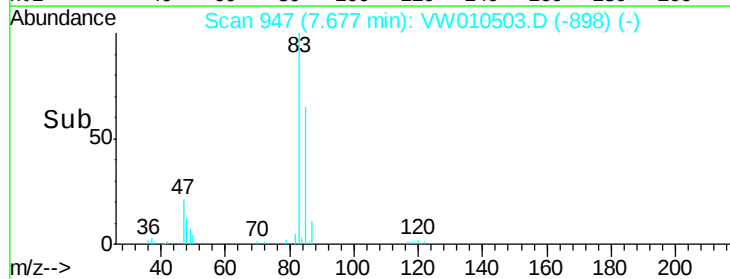
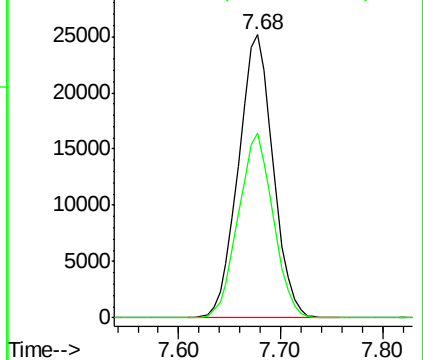


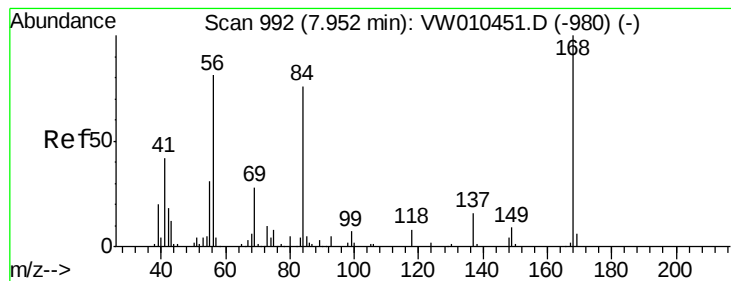
#30
Chloroform
Concen: 19.748 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Tgt Ion: 83 Resp: 59447
Ion Ratio Lower Upper
83 100
85 65.2 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 18.495 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

VW0522SBSD01

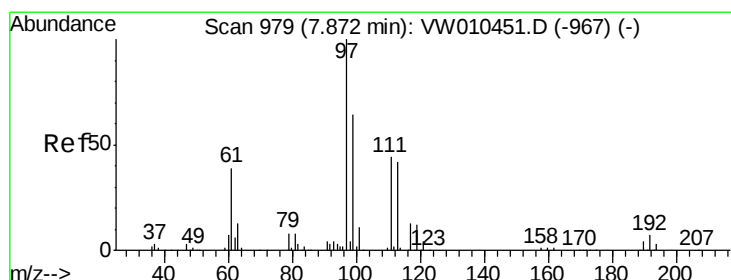
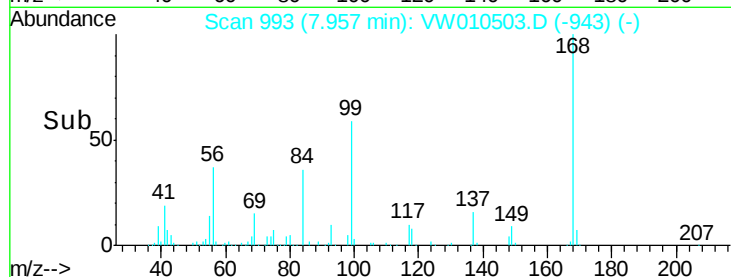
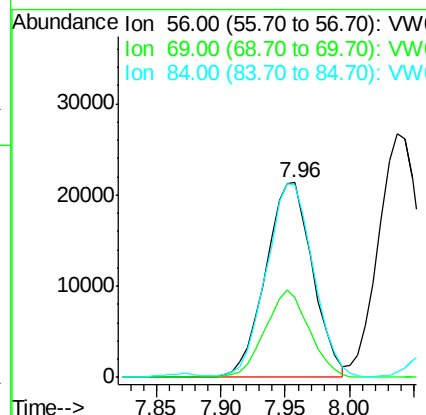
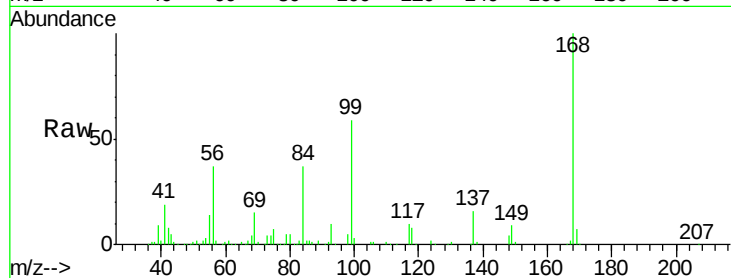
Tot Ion: 56 Resp: 54067

Ion Ratio Lower Upper

56 100

69 40.9 28.2 42.2

84 97.2 75.8 113.8



#32

1,1,1-Trichloroethane

Concen: 19.647 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

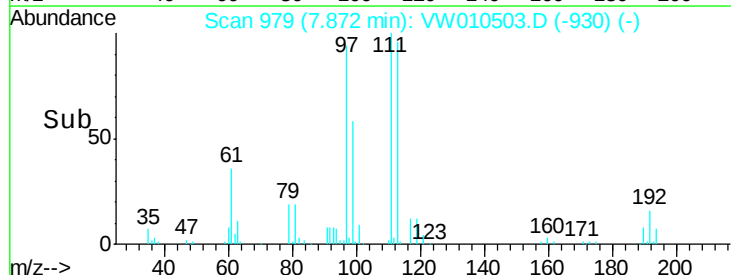
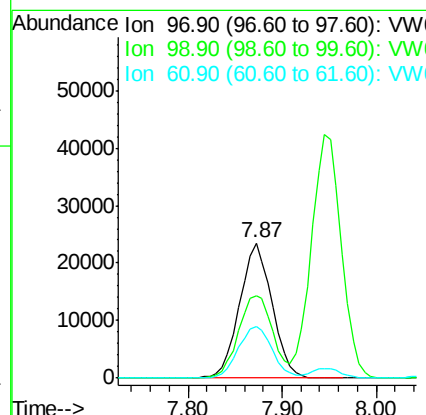
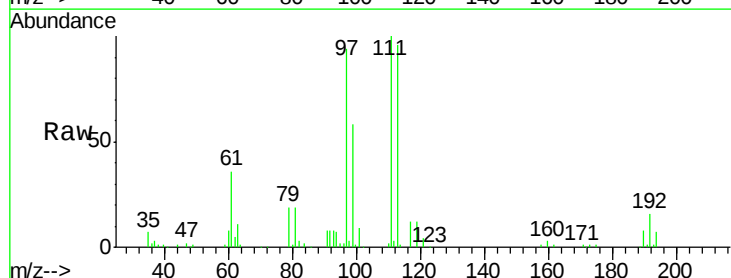
Tgt Ion: 97 Resp: 56527

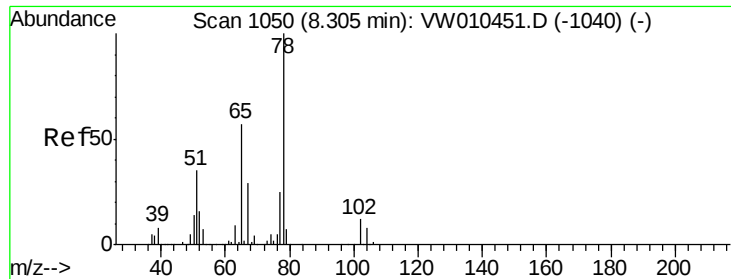
Ion Ratio Lower Upper

97 100

99 64.9 50.8 76.2

61 39.8 32.1 48.1





#33

1,2-Dichloroethane-d4

Concen: 46.989 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

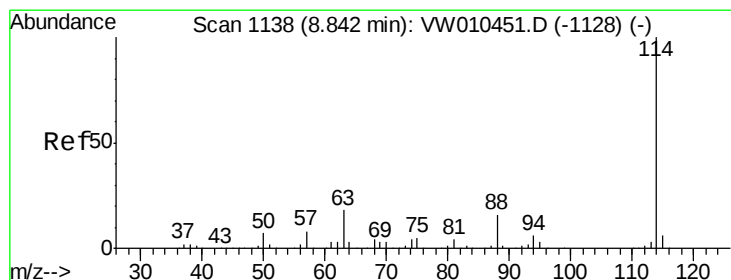
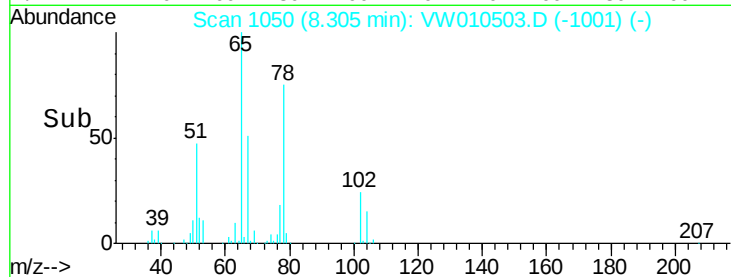
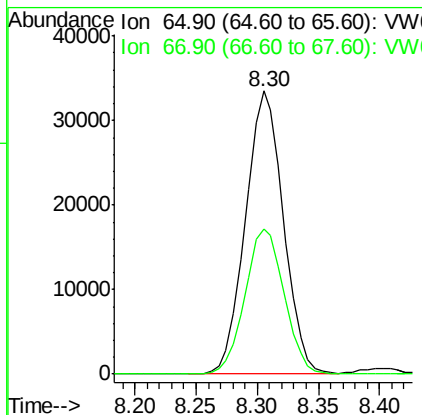
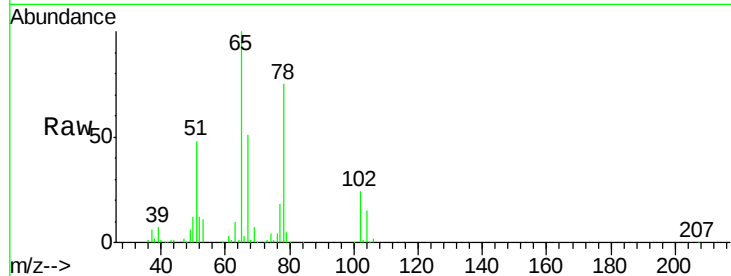
VW0522SBSD01

Tot Ion: 65 Resp: 72350

Ion Ratio Lower Upper

65 100

67 52.7 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: VW010503.D

Acq: 22 May 2019 11:57

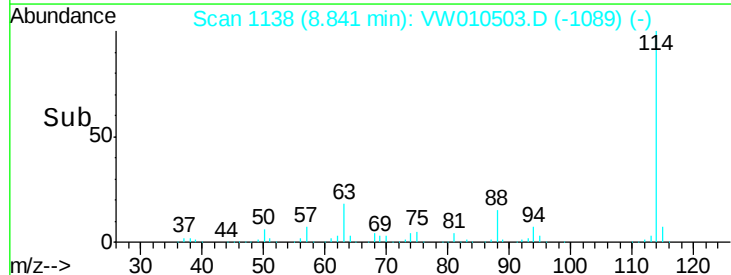
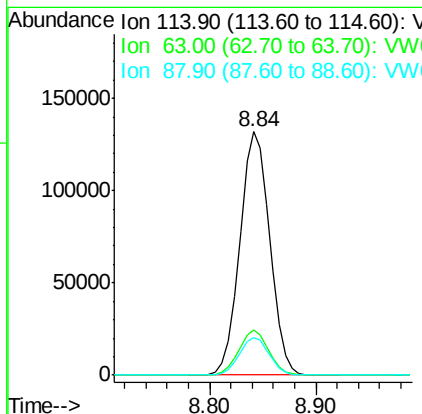
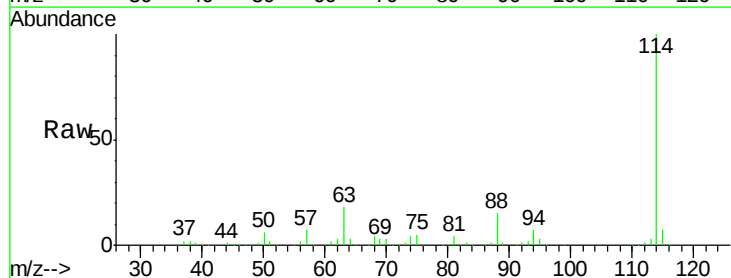
Tgt Ion: 114 Resp: 260355

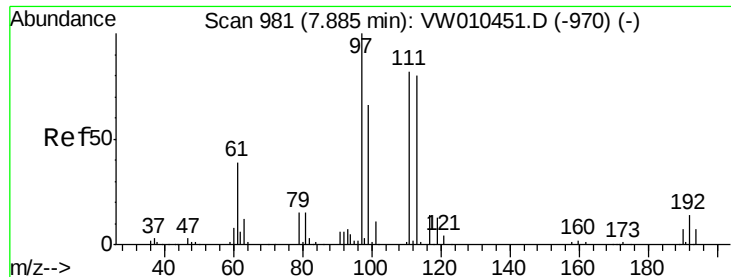
Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.0

88 15.3 0.0 32.0

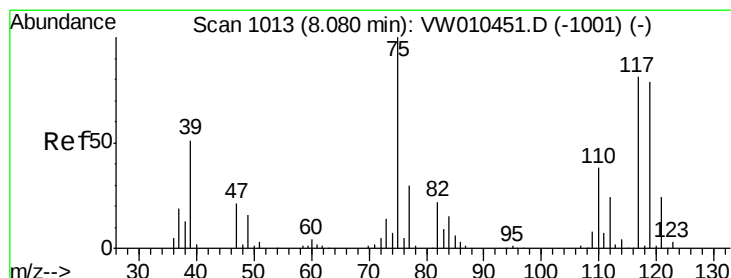
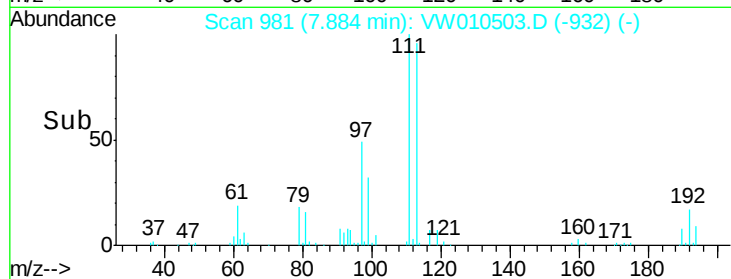
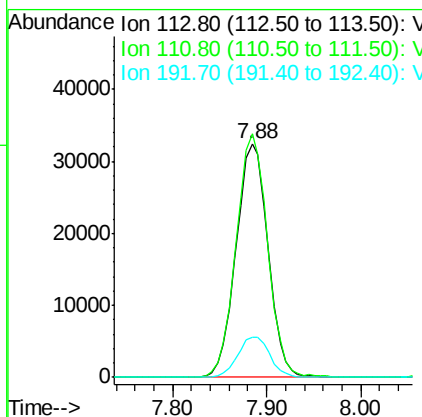
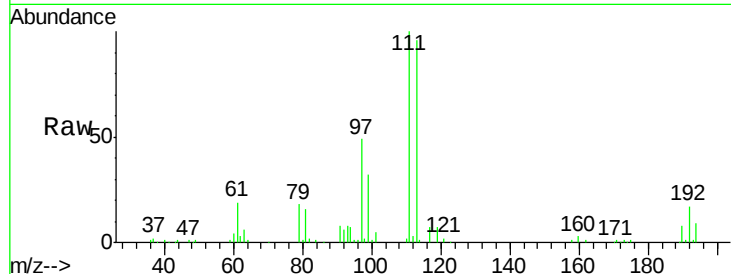




#35
 Dibromofluoromethane
 Concen: 48.768 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010503.D
 Acq: 22 May 2019 11:57

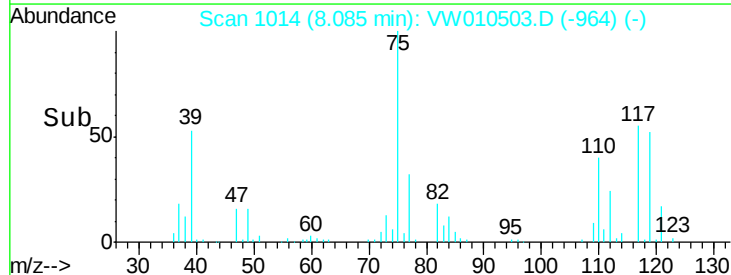
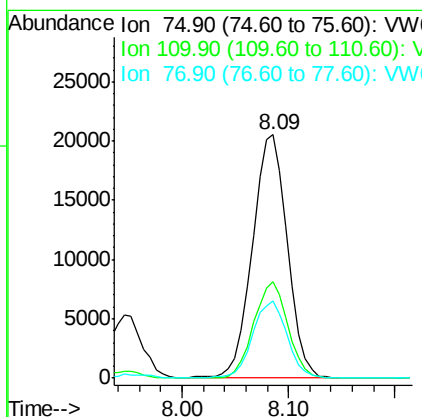
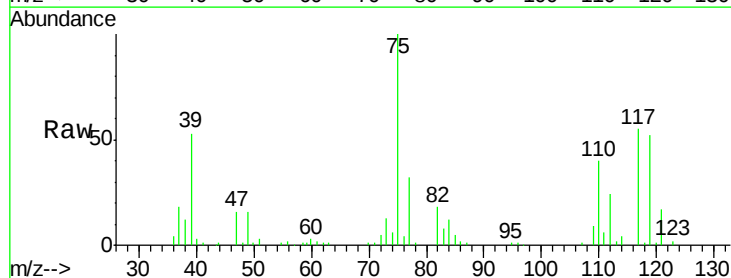
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0522SBSD01

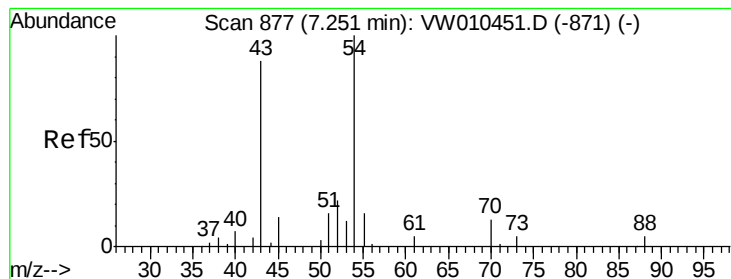
Tot Ion:113 Resp: 77043
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.2 123.4
 192 17.5 14.3 21.5



#36
 1,1-Dichloropropene
 Concen: 19.452 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VW010503.D
 Acq: 22 May 2019 11:57

Tgt Ion: 75 Resp: 47178
 Ion Ratio Lower Upper
 75 100
 110 38.6 19.2 57.6
 77 31.2 25.2 37.8





#37

Ethyl Acetate

Concen: 16.604 ug/l

RT: 7.26 min Scan# 878

Delta R.T. 0.01 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Instrument :

MSVOA_W

ClientSampleID :

VW0522SBS01

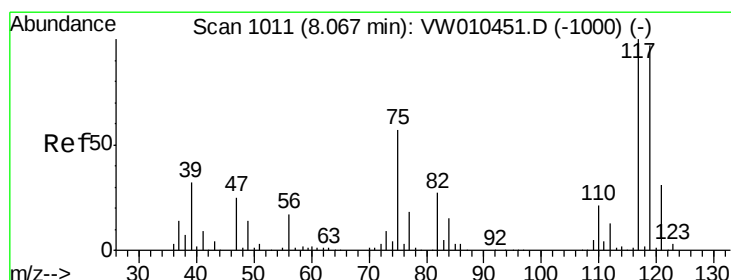
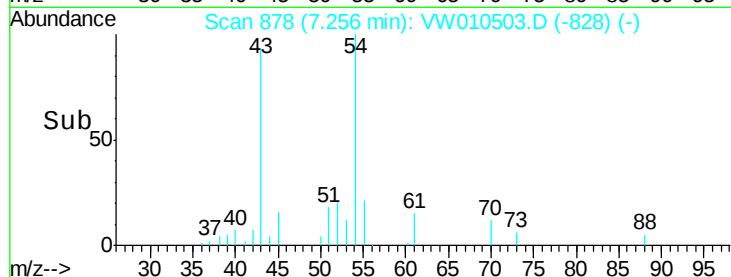
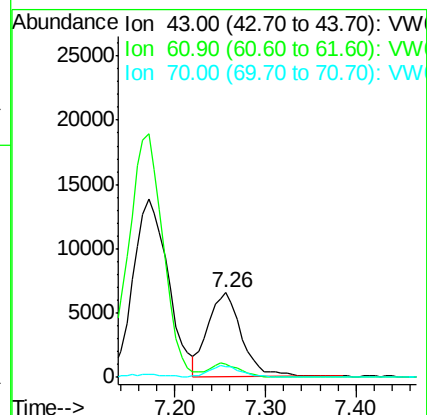
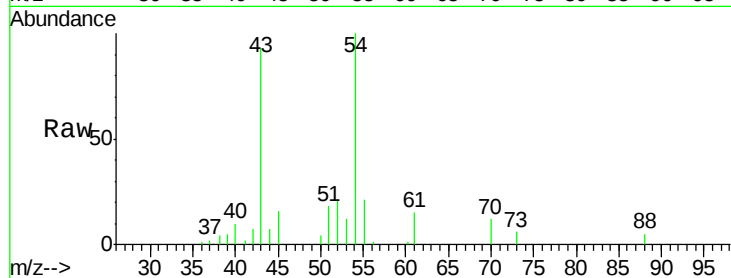
Tot Ion: 43 Resp: 17125

Ion Ratio Lower Upper

43 100

61 14.9 11.2 16.8

70 13.1 9.9 14.9



#38

Carbon Tetrachloride

Concen: 19.459 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

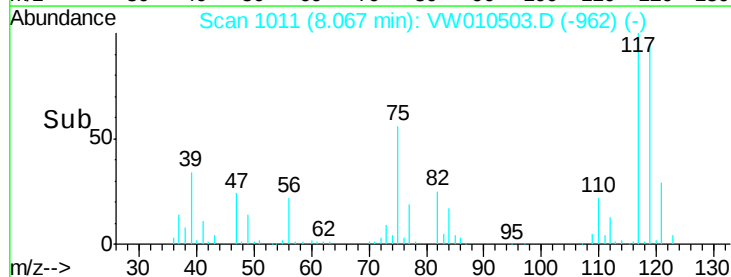
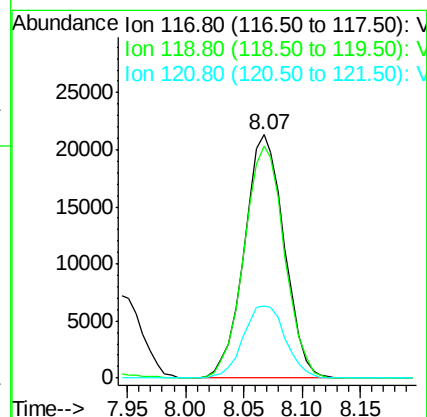
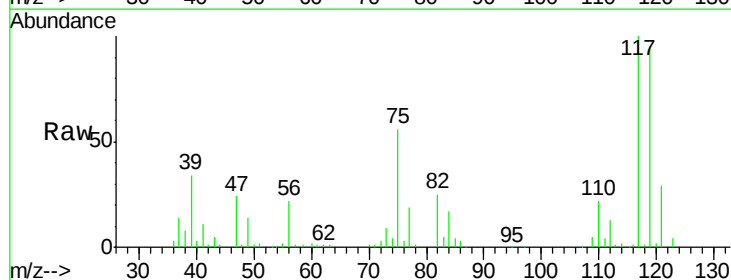
Tgt Ion: 117 Resp: 50912

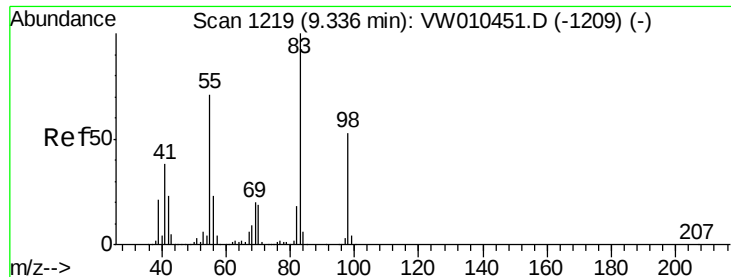
Ion Ratio Lower Upper

117 100

119 95.4 77.4 116.0

121 29.4 25.0 37.6

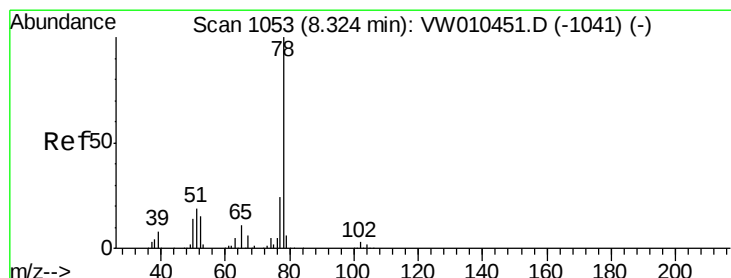
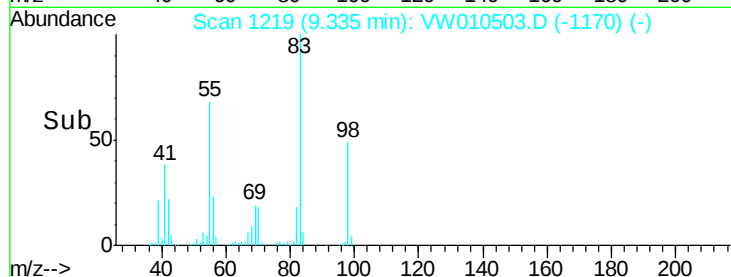
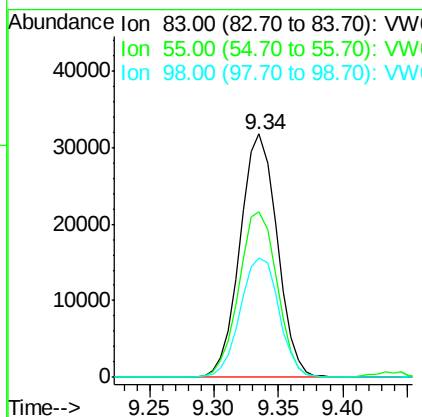
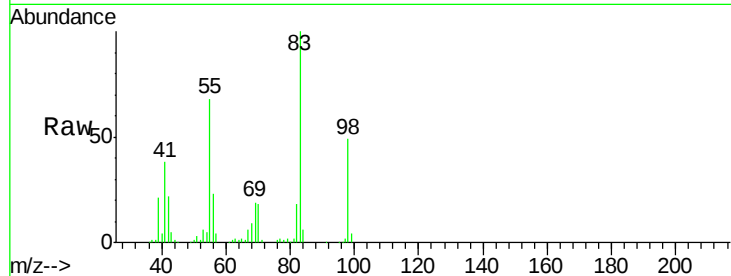




#39
Methvlcvclohexane
Concen: 19.554 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

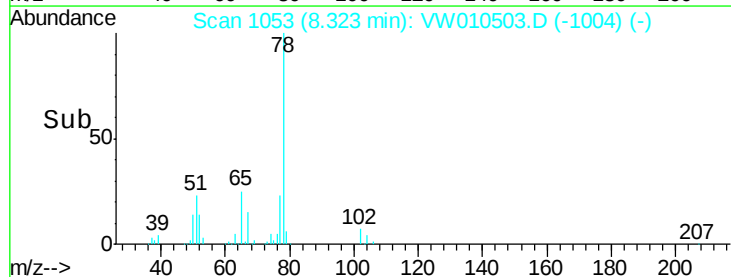
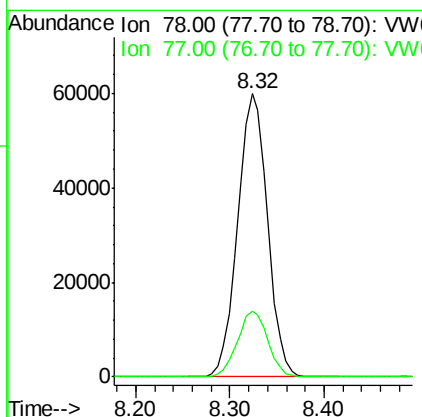
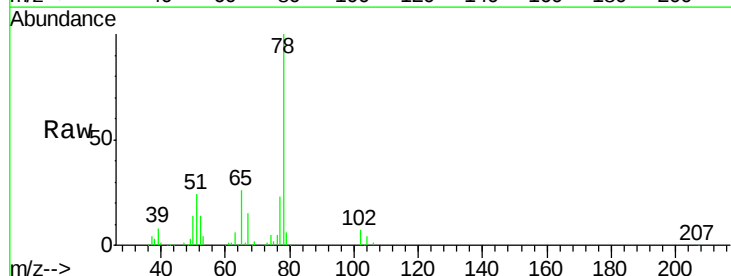
Instrument :
MSVOA_W
ClientSampleId :
VW0522SBSD01

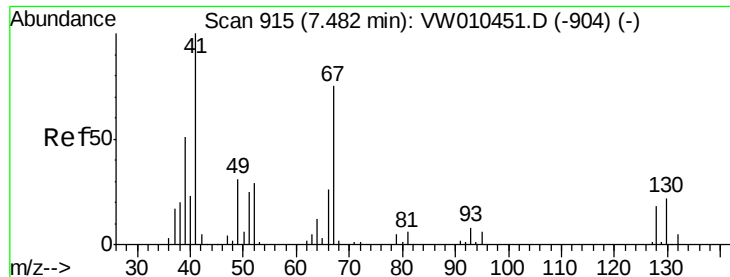
Tot Ion: 83 Resp: 63537
Ion Ratio Lower Upper
83 100
55 68.2 57.0 85.6
98 49.2 42.0 63.0



#40
Benzene
Concen: 19.595 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Tgt Ion: 78 Resp: 132089
Ion Ratio Lower Upper
78 100
77 23.4 18.9 28.3

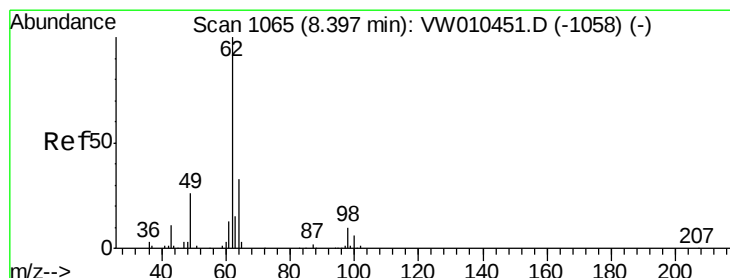
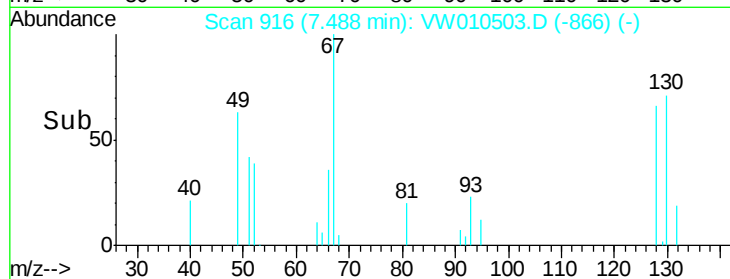
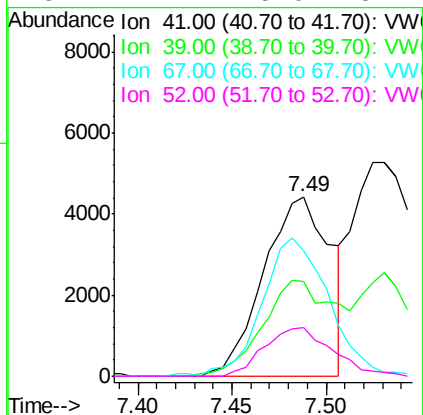
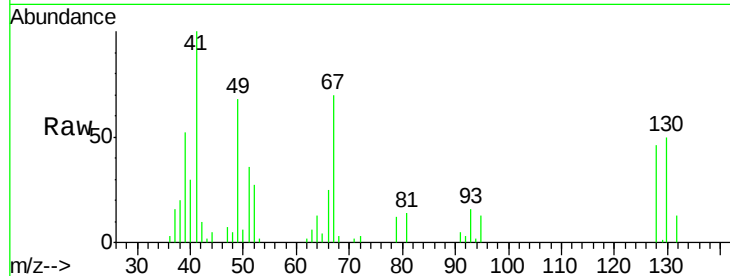




#41
Methacrylonitrile
Concen: 17.759 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

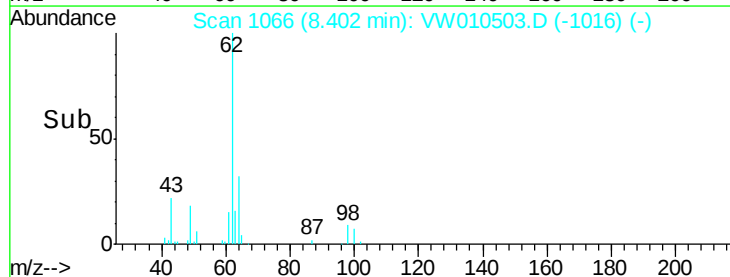
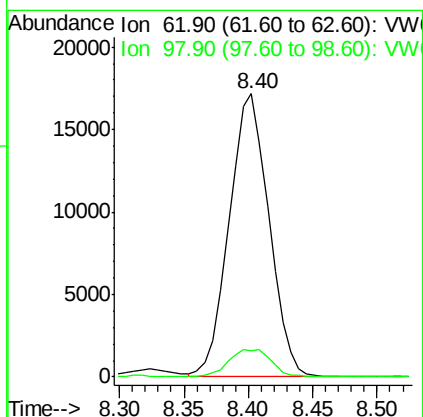
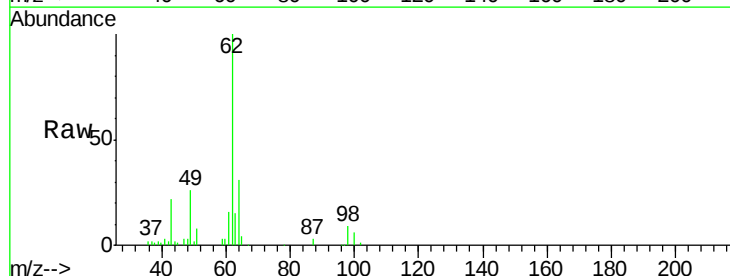
Instrument :
MSVOA_W
ClientSampleId :
VW0522SBSD01

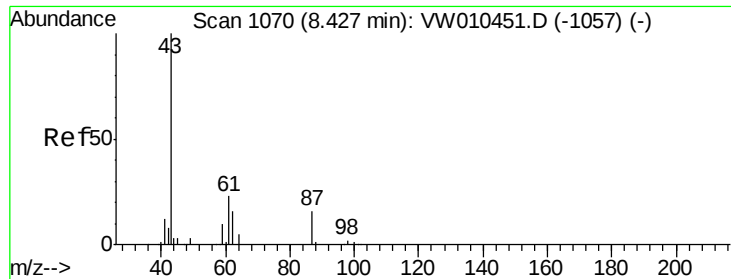
Tot Ion:	41	Resp:	10883
Ion	Ratio	Lower	Upper
41	100		
39	59.5	47.4	71.2
67	77.0	65.5	98.3
52	27.7	25.0	37.4



#42
1,2-Dichloroethane
Concen: 19.140 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Tgt Ion:	62	Resp:	36877
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	21.0





#43

Isopropyl Acetate

Concen: 16.629 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

VW0522SBS01

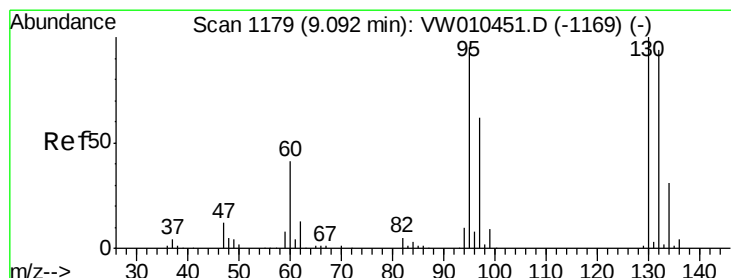
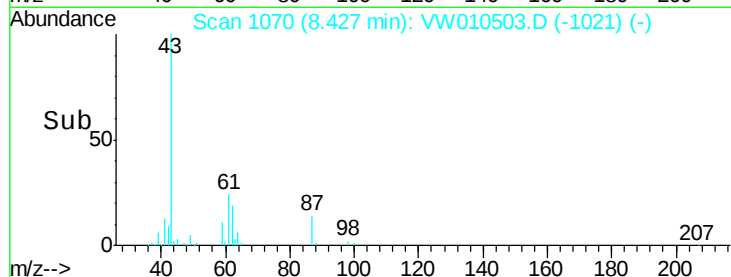
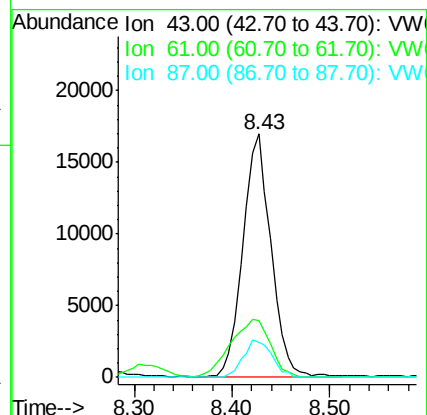
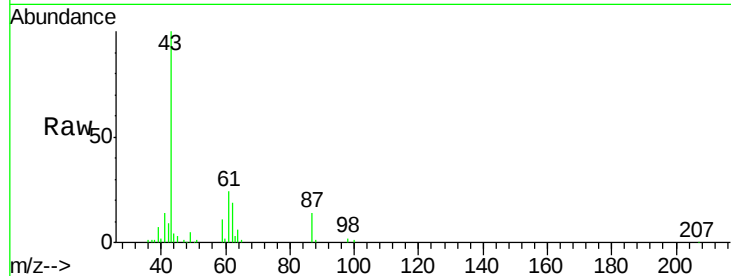
Tot Ion: 43 Resp: 34263

Ion Ratio Lower Upper

43 100

61 33.4 25.4 38.2

87 15.4 12.7 19.1



#44

Trichloroethene

Concen: 19.858 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010503.D

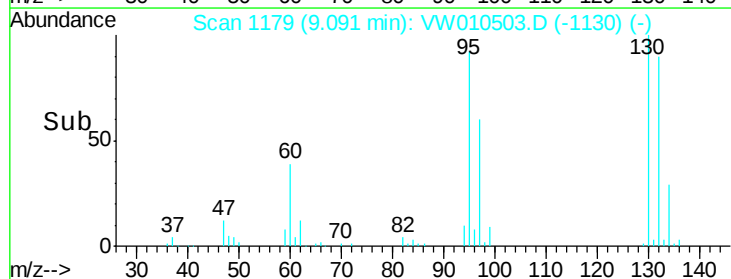
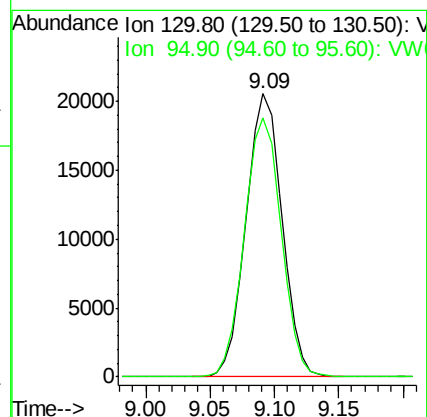
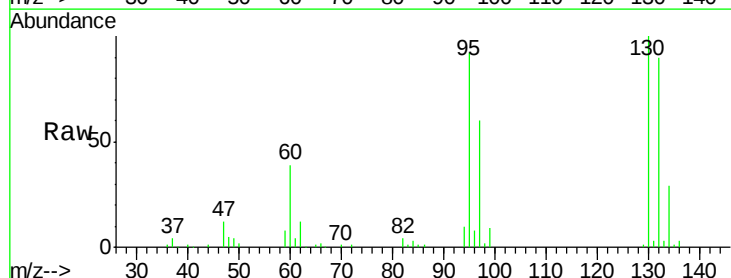
Acq: 22 May 2019 11:57

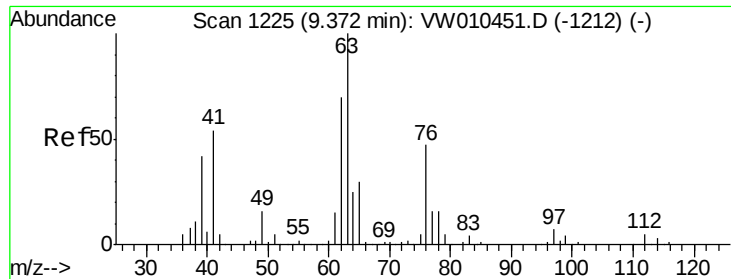
Tgt Ion: 130 Resp: 39742

Ion Ratio Lower Upper

130 100

95 91.7 0.0 189.6

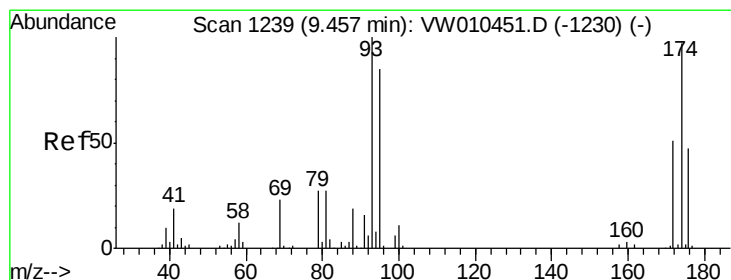
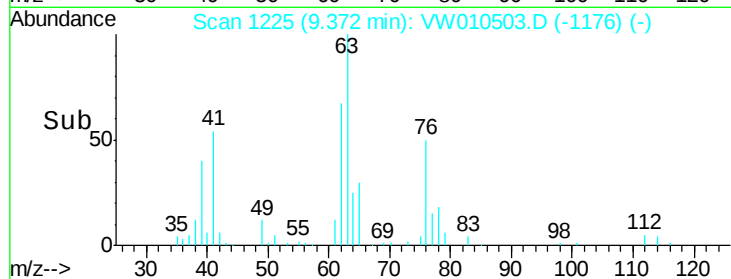
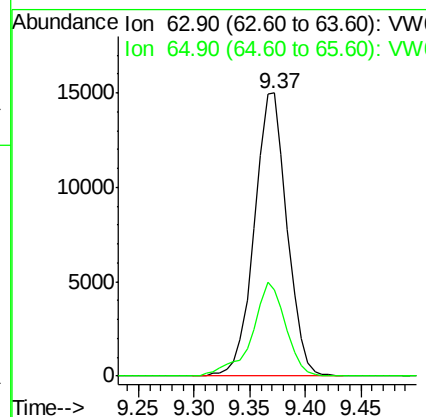
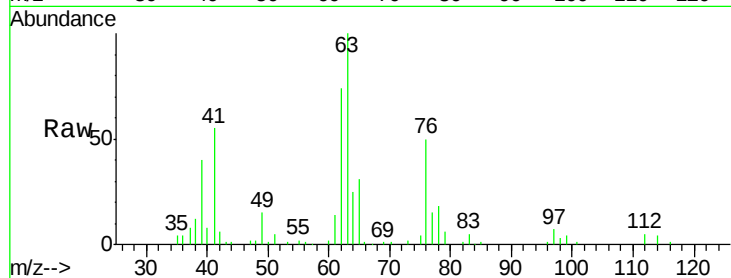




#45
 1,2-Dichloropropane
 Concen: 19.147 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW010503.D
 Acq: 22 May 2019 11:57

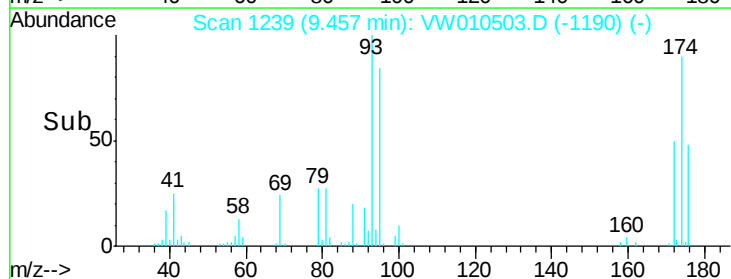
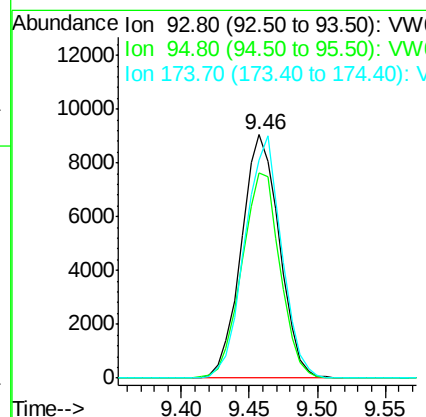
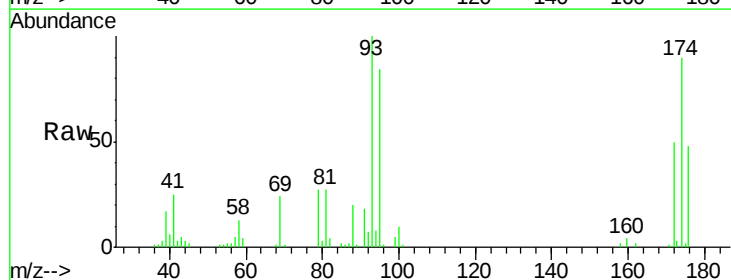
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0522SBSD01

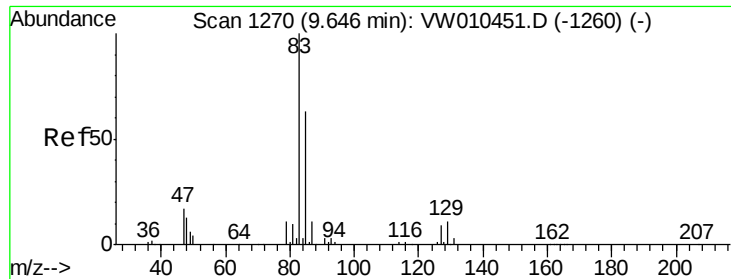
Tot Ion: 63 Resp: 30654
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.3 36.5



#46
 Dibromomethane
 Concen: 18.886 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010503.D
 Acq: 22 May 2019 11:57

Tgt Ion: 93 Resp: 17683
 Ion Ratio Lower Upper
 93 100
 95 84.6 66.1 99.1
 174 96.0 77.1 115.7

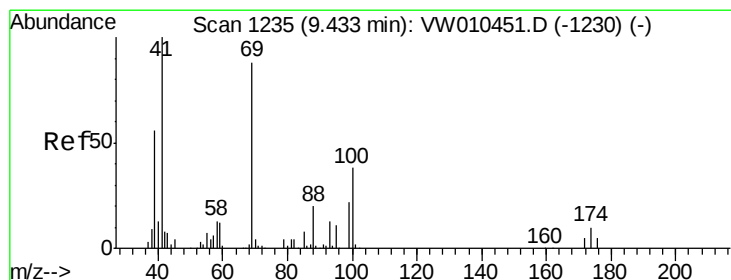
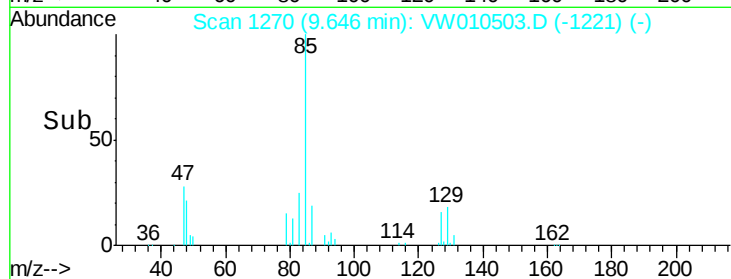
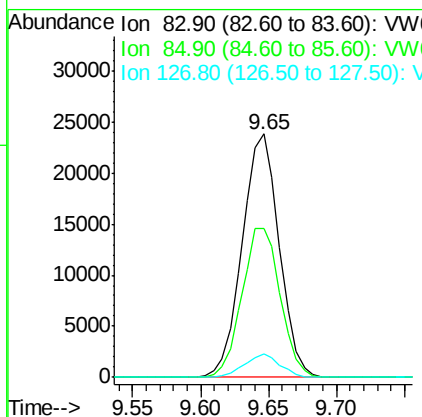
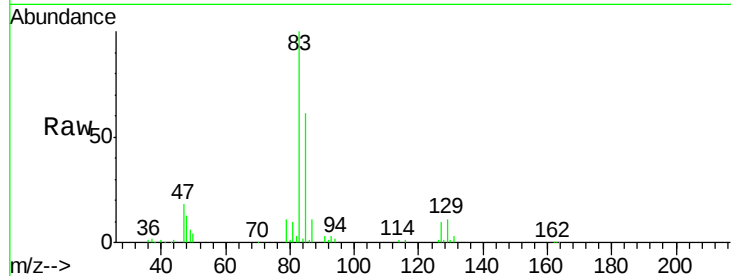




#47
Bromodichloromethane
Concen: 19.252 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

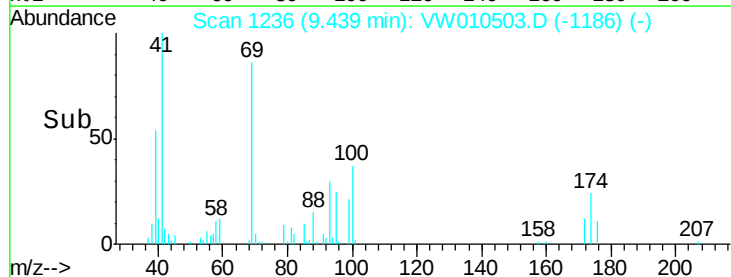
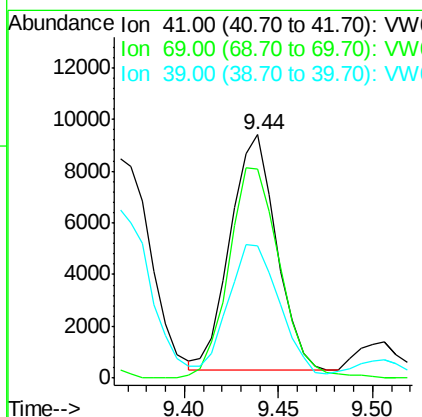
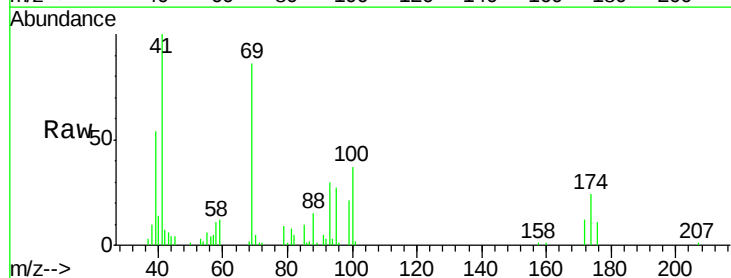
Instrument :
MSVOA_W
ClientSampleId :
VW0522SBSD01

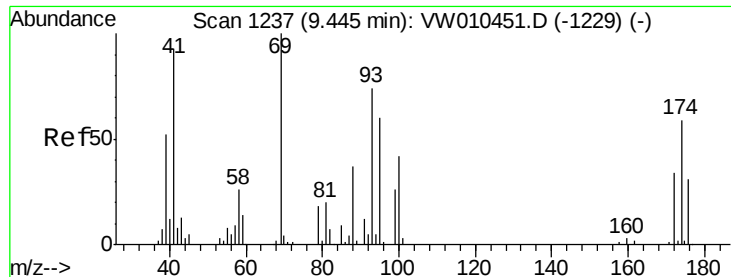
Tot Ion	83	Resp	45297
Ion Ratio	100		
85	61.2	50.4	75.6
127	9.5	7.4	11.0



#48
Methyl methacrylate
Concen: 16.438 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Tgt Ion	41	Resp	15495
Ion Ratio	100		
69	99.1	77.6	116.4
39	59.2	49.8	74.8





#49

1,4-Dioxane

Concen: 284.800 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Instrument :

MSVOA_W

ClientSampled :

VW0522SBSD01

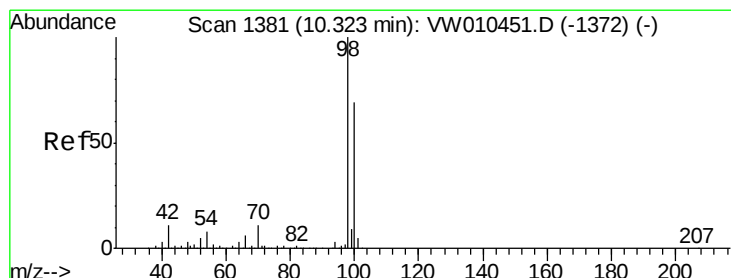
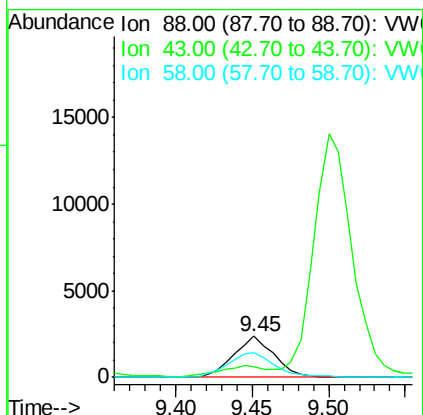
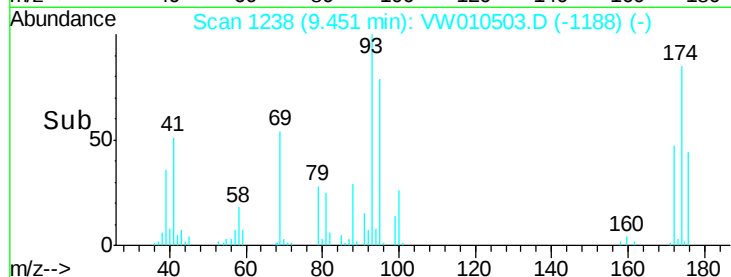
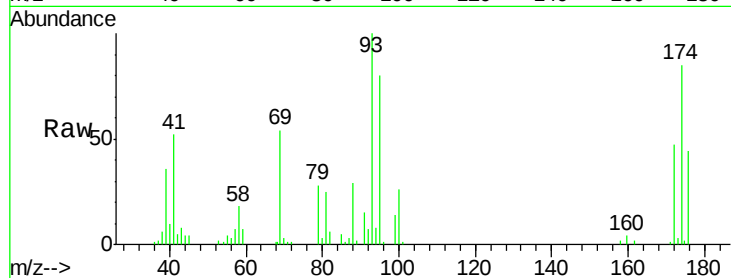
Tot Ion: 88 Resp: 4356

Ion Ratio Lower Upper

88 100

43 30.1 25.9 38.9

58 70.0 52.7 79.1



#50

Toluene-d8

Concen: 49.166 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010503.D

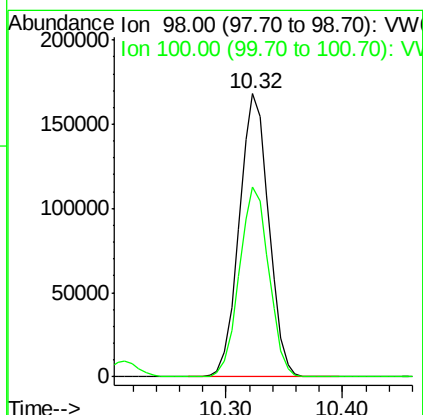
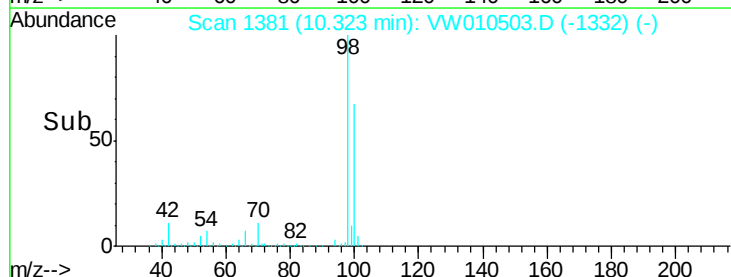
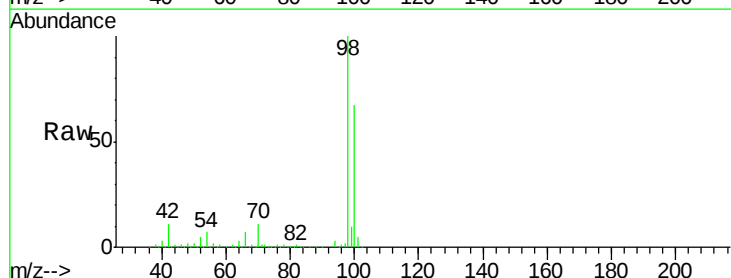
Acq: 22 May 2019 11:57

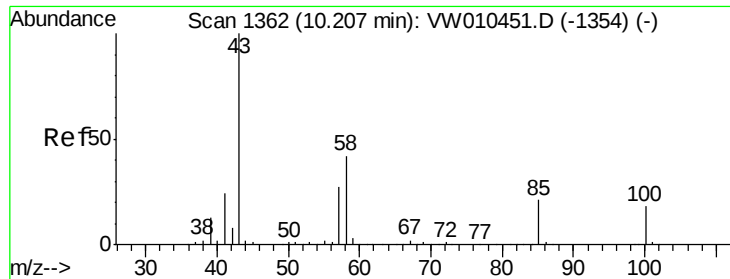
Tgt Ion: 98 Resp: 296723

Ion Ratio Lower Upper

98 100

100 67.4 53.7 80.5





#51

4-Methyl-2-Pentanone

Concen: 80.859 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Instrument :

MSVOA_W

ClientSampleID :

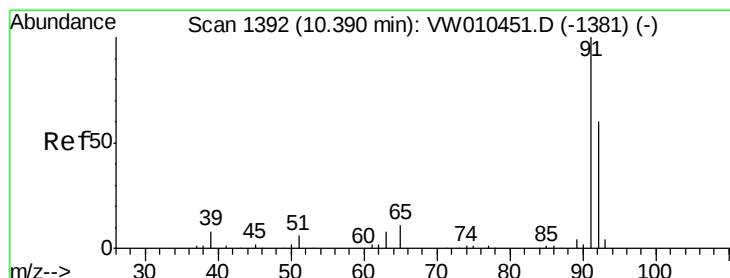
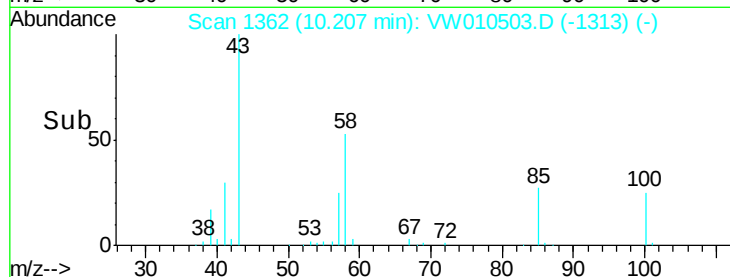
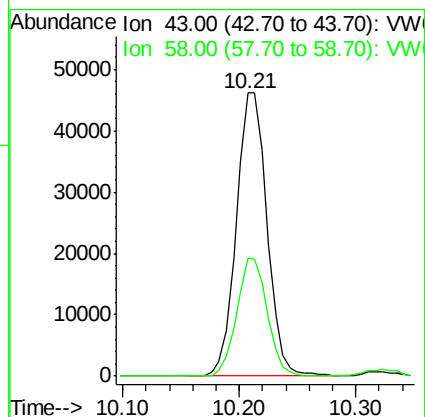
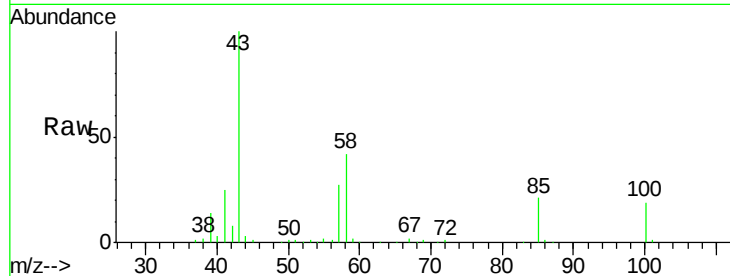
VW0522SBSD01

Tot Ion: 43 Resp: 84423

Ion Ratio Lower Upper

43 100

58 41.5 33.2 49.8



#52

Toluene

Concen: 19.921 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010503.D

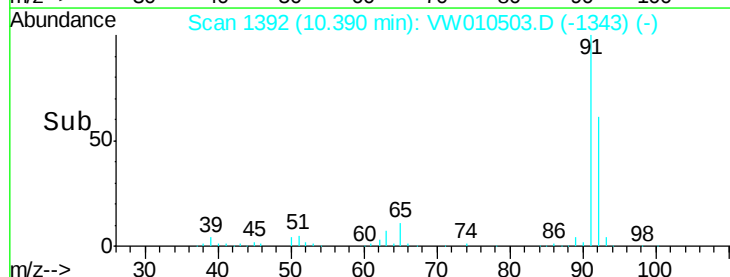
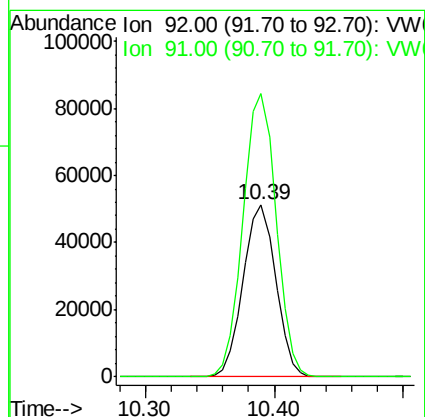
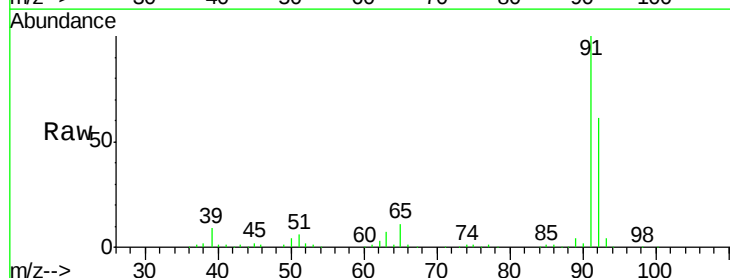
Acq: 22 May 2019 11:57

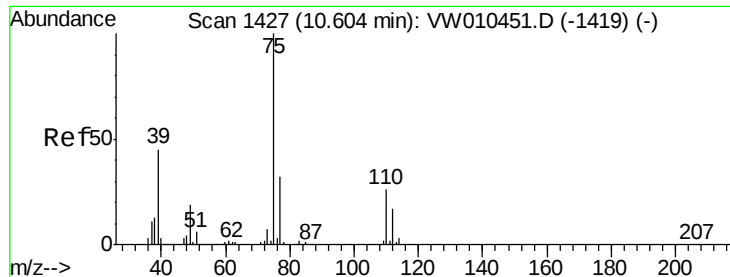
Tgt Ion: 92 Resp: 90187

Ion Ratio Lower Upper

92 100

91 166.7 135.4 203.0





#53

t-1,3-Dichloropropene

Concen: 18.227 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

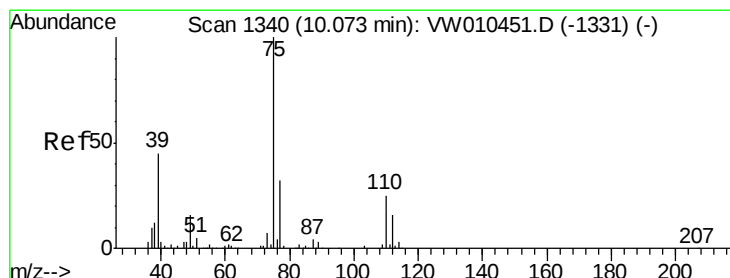
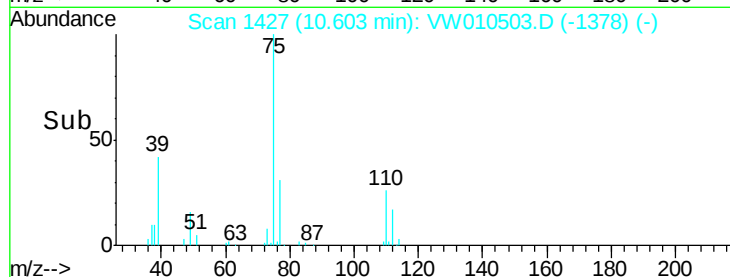
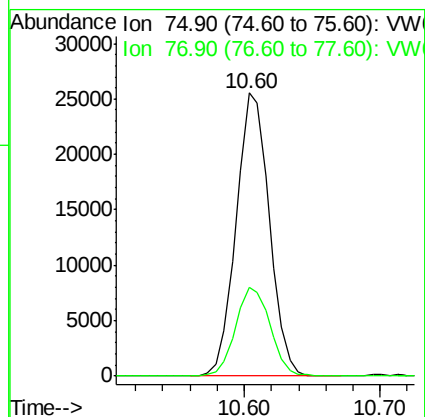
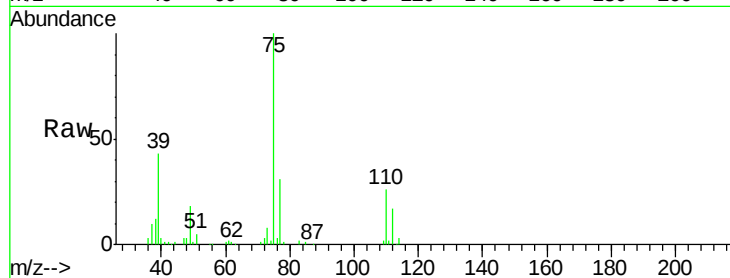
VW0522SBSD01

Tot Ion: 75 Resp: 43433

Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 19.095 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

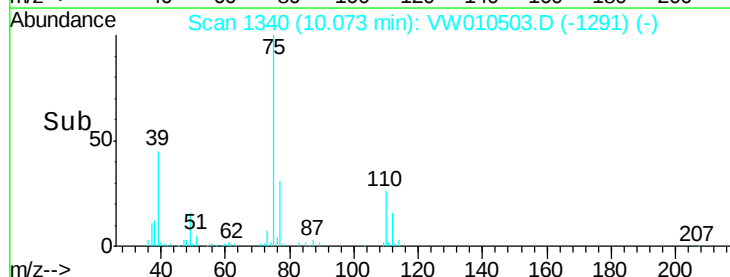
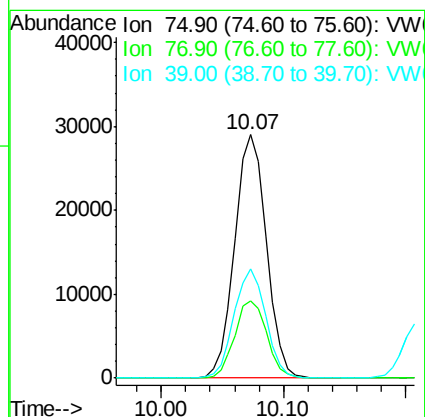
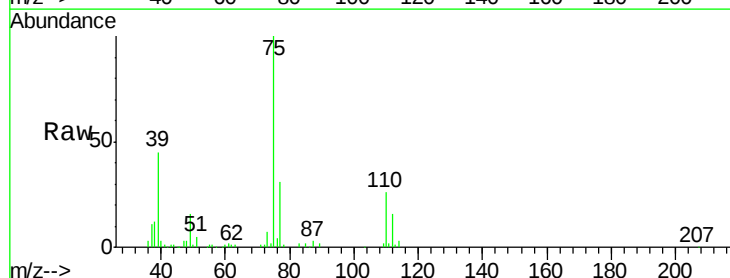
Tgt Ion: 75 Resp: 51966

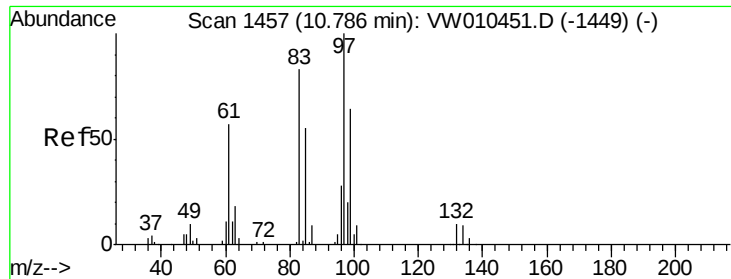
Ion Ratio Lower Upper

75 100

77 31.5 25.7 38.5

39 44.6 36.2 54.4

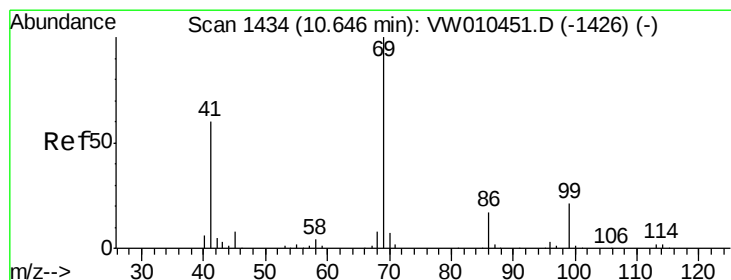
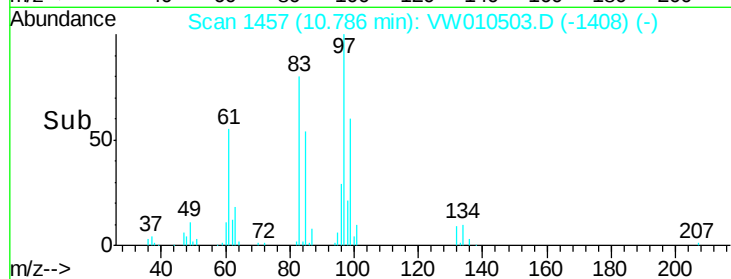
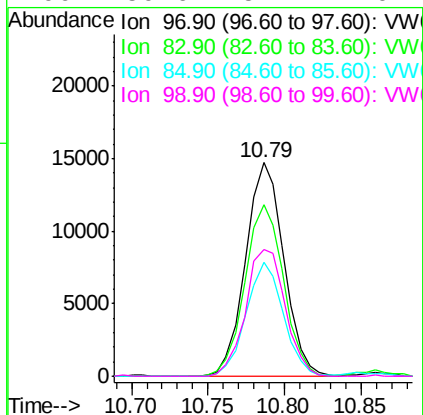
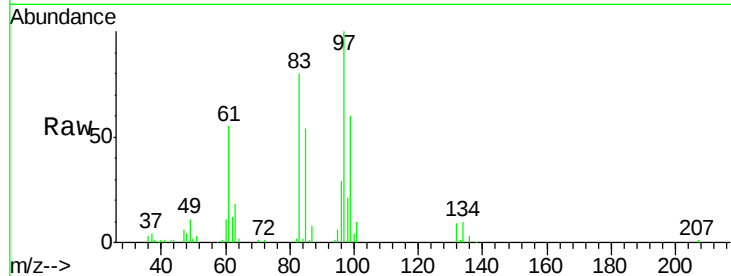




#55
 1,1,2-Trichloroethane
 Concen: 18.955 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010503.D
 Acq: 22 May 2019 11:57

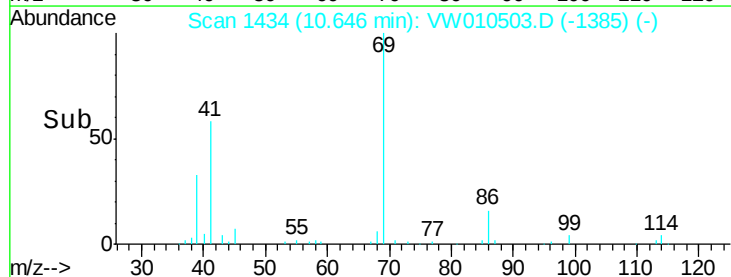
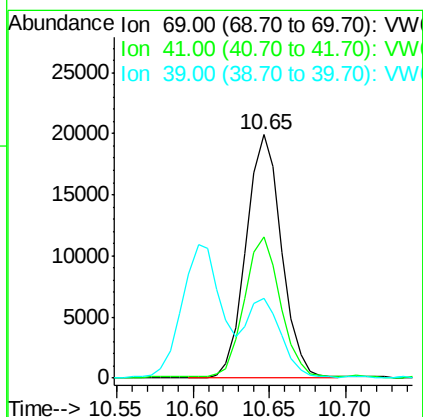
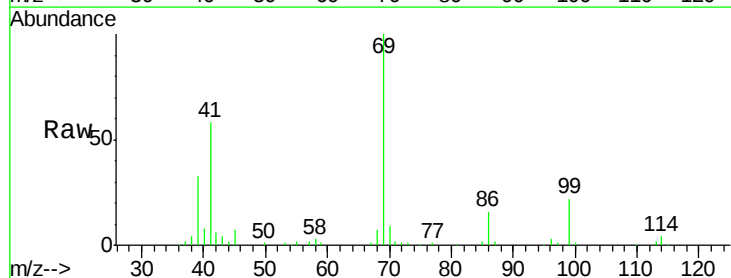
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0522SBSD01

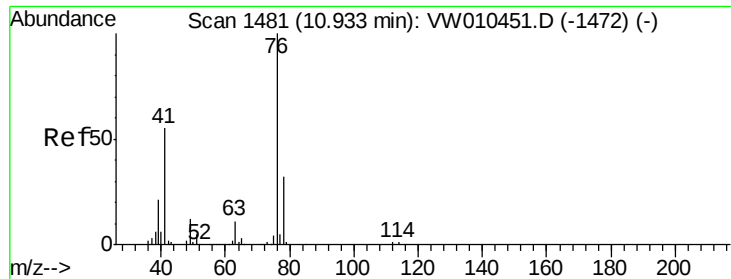
Tot Ion:	97	Resp:	25521
Ion	Ratio	Lower	Upper
97	100		
83	80.5	66.1	99.1
85	53.6	44.2	66.4
99	59.6	51.1	76.7



#56
 Ethyl methacrylate
 Concen: 17.306 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010503.D
 Acq: 22 May 2019 11:57

Tgt Ion:	69	Resp:	32135
Ion	Ratio	Lower	Upper
69	100		
41	58.2	47.7	71.5
39	33.1	25.3	37.9

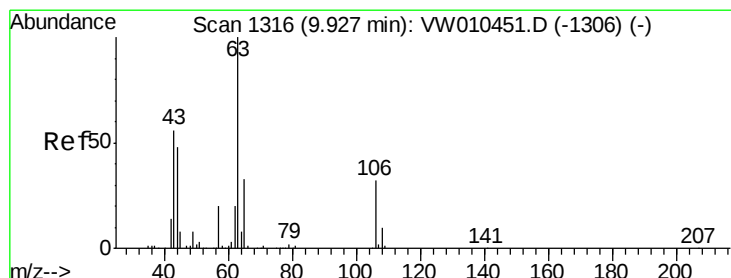
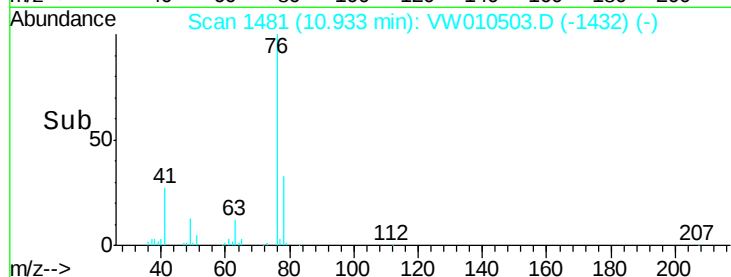
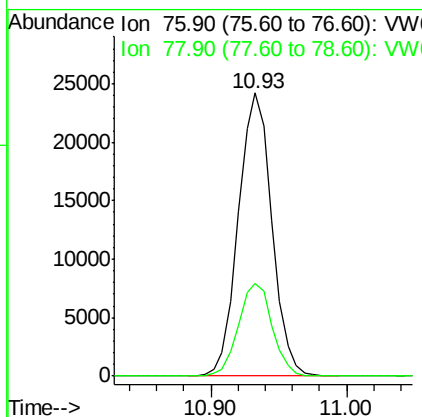
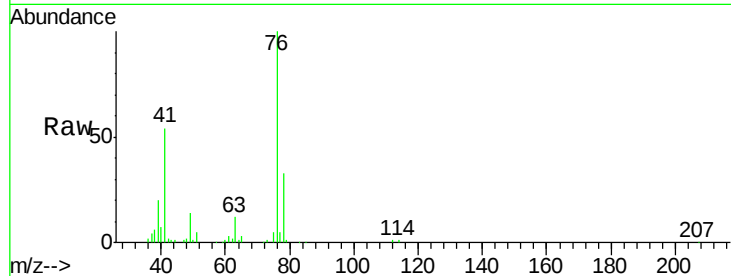




#57
 1,3-Dichloropropane
 Concen: 18.405 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010503.D
 Acq: 22 May 2019 11:57

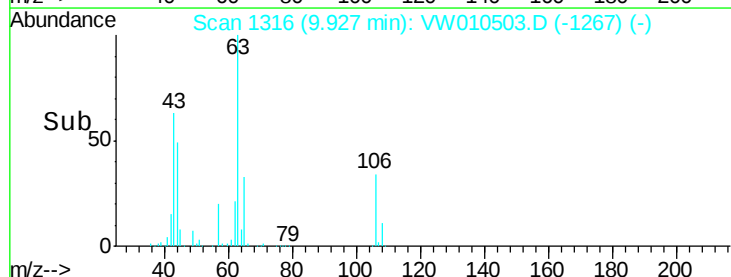
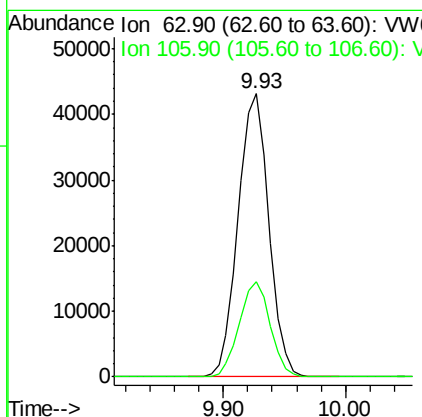
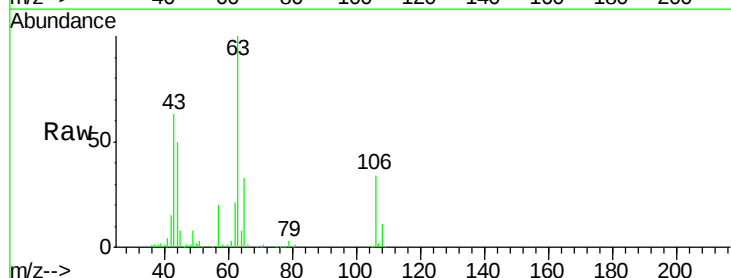
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0522SBSD01

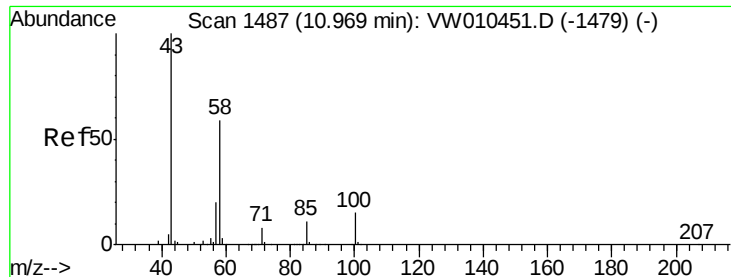
Tot Ion: 76 Resp: 41509
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.540 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW010503.D
 Acq: 22 May 2019 11:57

Tgt Ion: 63 Resp: 75290
 Ion Ratio Lower Upper
 63 100
 106 33.7 25.8 38.6





#59

2-Hexanone

Concen: 80.545 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

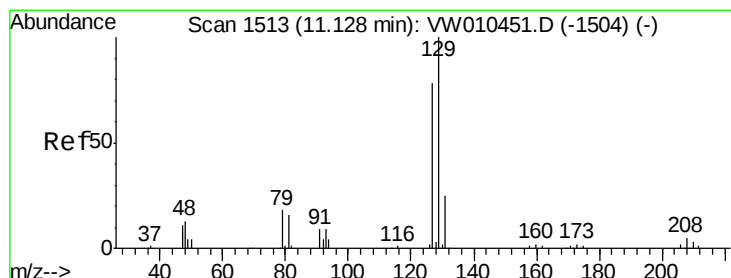
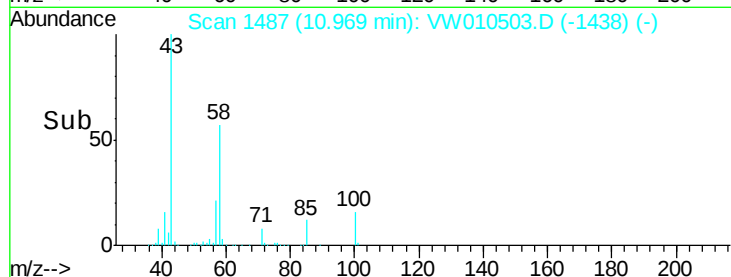
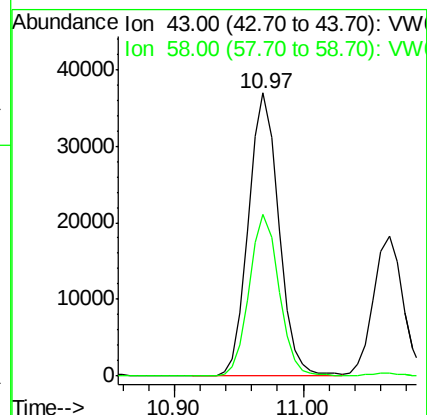
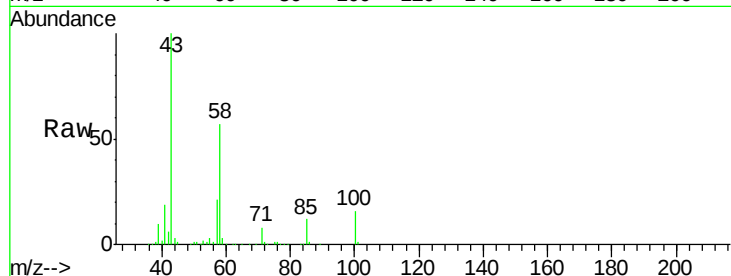
VW0522SBSD01

Tot Ion: 43 Resp: 59989

Ion Ratio Lower Upper

43 100

58 56.2 28.9 86.8



#60

Dibromochloromethane

Concen: 18.572 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW010503.D

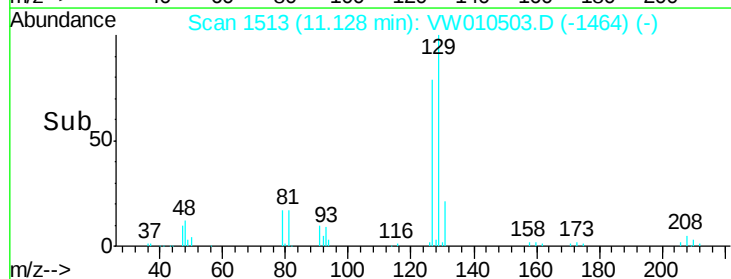
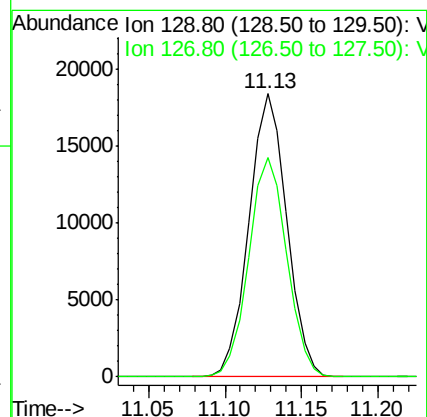
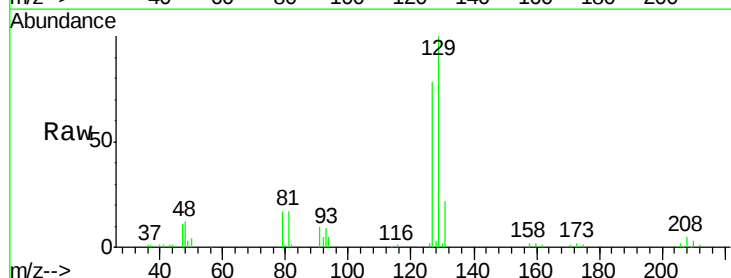
Acq: 22 May 2019 11:57

Tgt Ion: 129 Resp: 31647

Ion Ratio Lower Upper

129 100

127 77.9 38.9 116.7

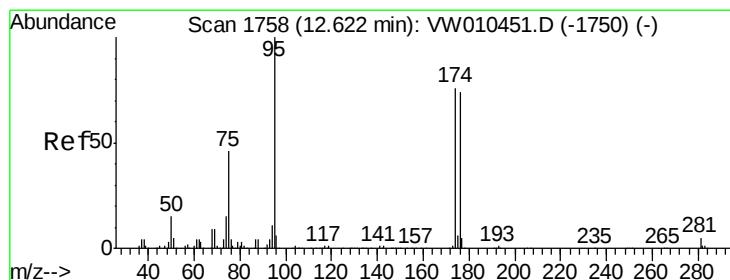
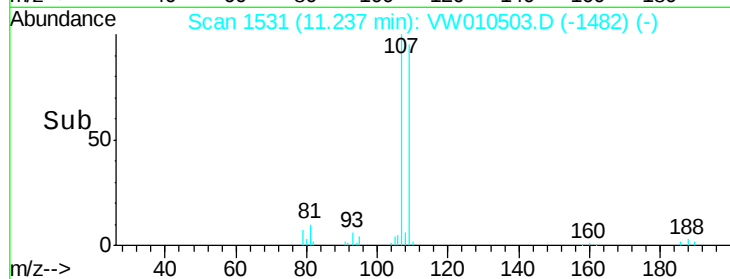
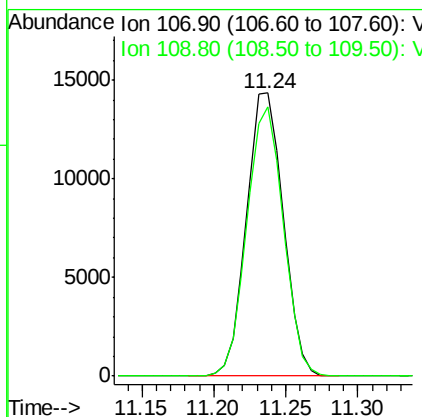
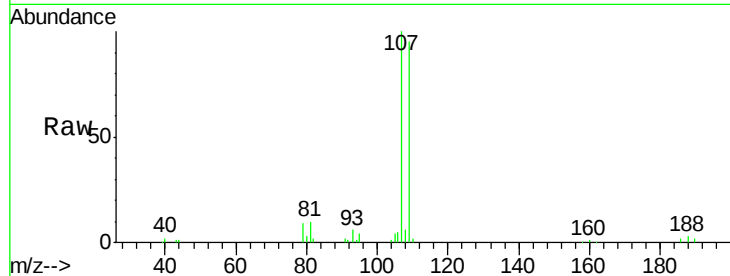




#61
 1,2-Dibromoethane
 Concen: 18.577 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010503.D
 Acq: 22 May 2019 11:57

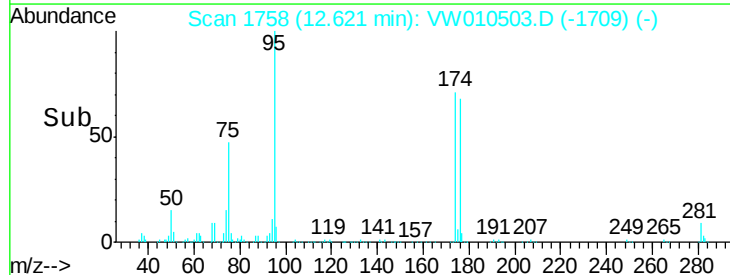
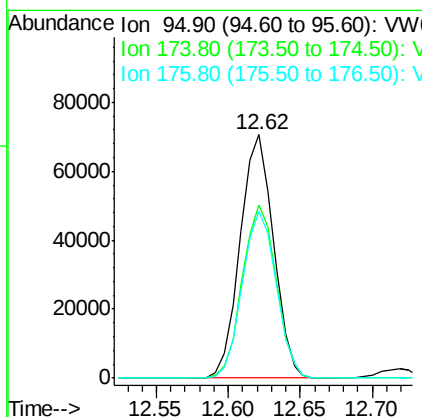
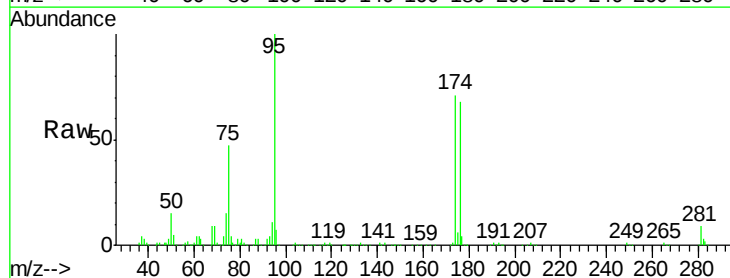
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0522SBSD01

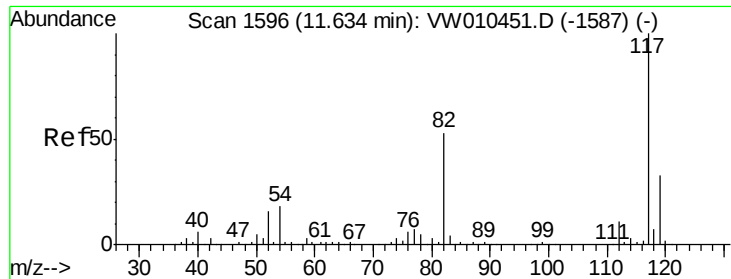
Tot Ion: 107 Resp: 25337
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 47.204 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010503.D
 Acq: 22 May 2019 11:57

Tgt Ion: 95 Resp: 113474
 Ion Ratio Lower Upper
 95 100
 174 71.9 0.0 148.6
 176 69.2 0.0 144.2

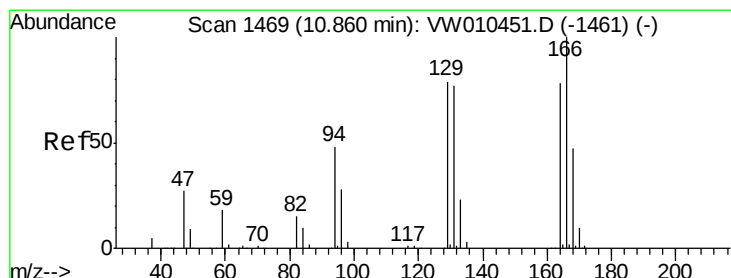
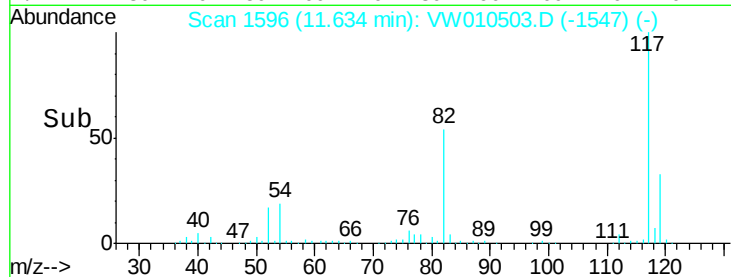
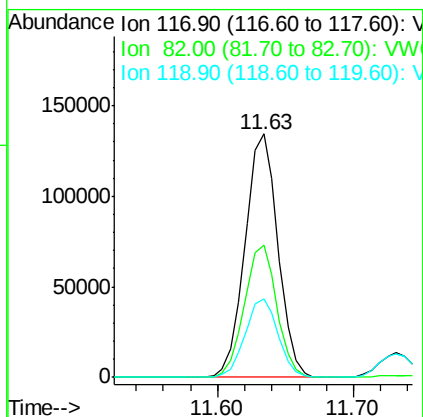
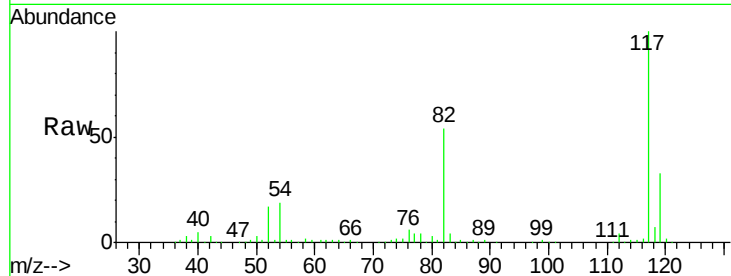




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

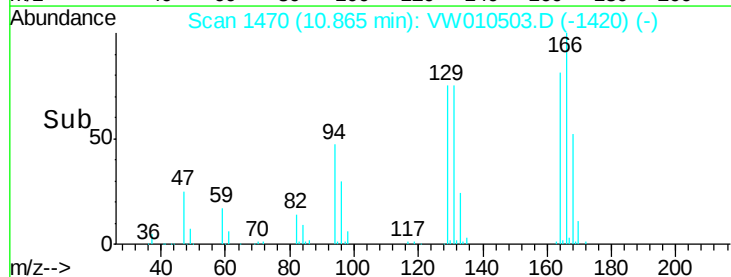
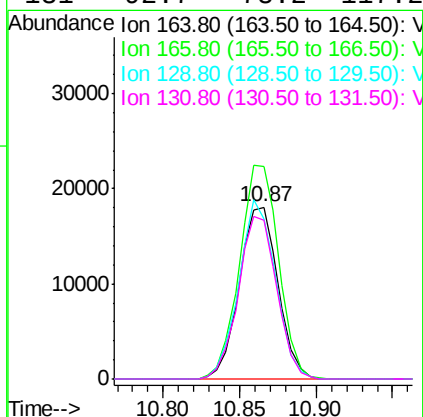
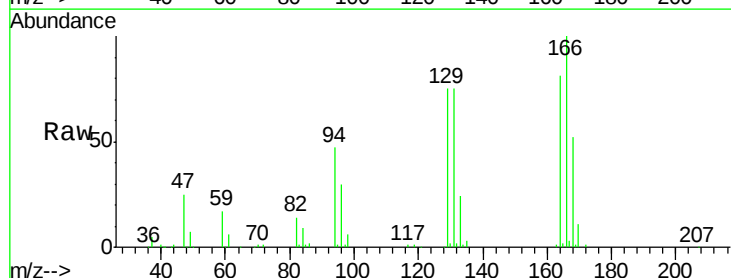
Instrument :
MSVOA_W
ClientSampleId :
VW0522SBSD01

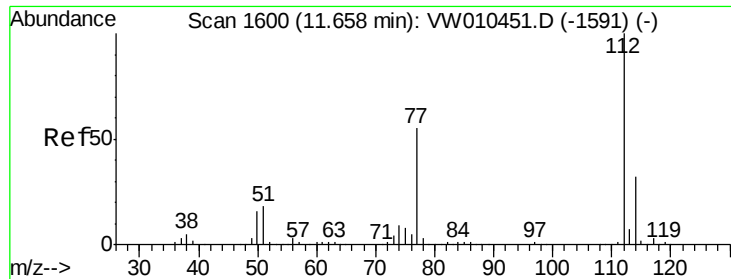
Tot Ion:117 Resp: 227435
Ion Ratio Lower Upper
117 100
82 54.1 42.8 64.2
119 32.5 26.3 39.5



#64
Tetrachloroethene
Concen: 20.041 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Tgt Ion:164 Resp: 31773
Ion Ratio Lower Upper
164 100
166 124.0 101.9 152.9
129 93.4 80.6 121.0
131 92.7 78.2 117.2

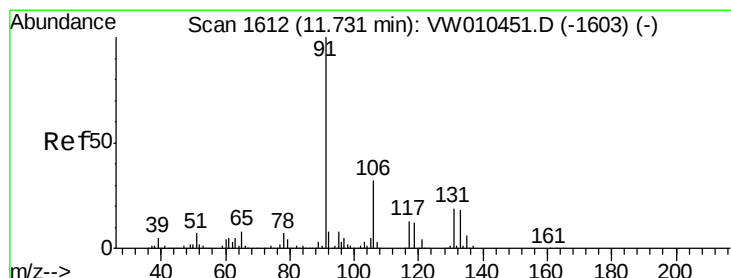
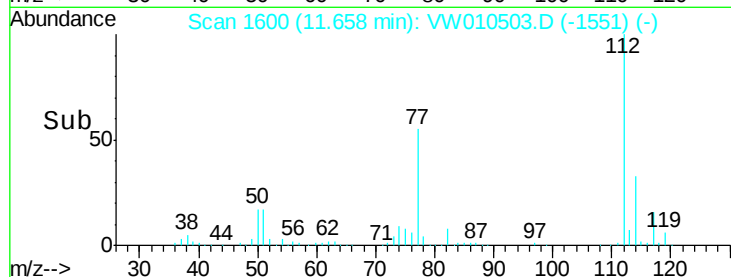
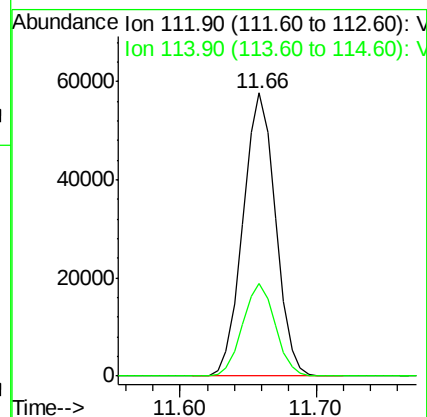
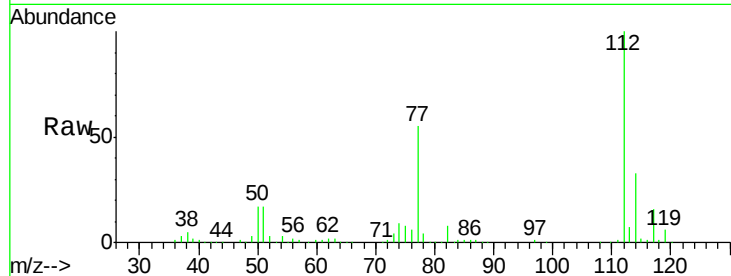




#65
Chlorobenzene
Concen: 19.908 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

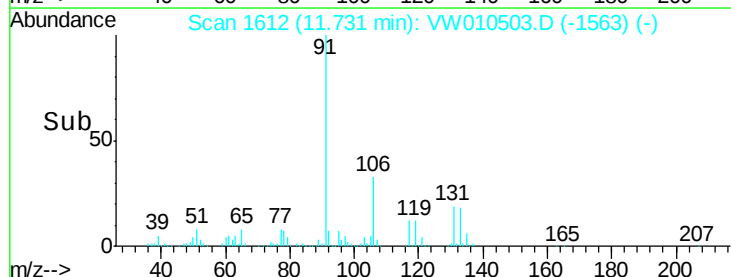
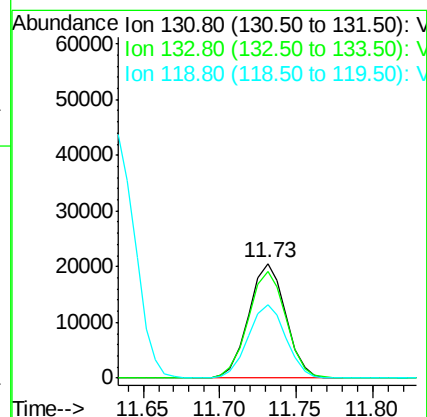
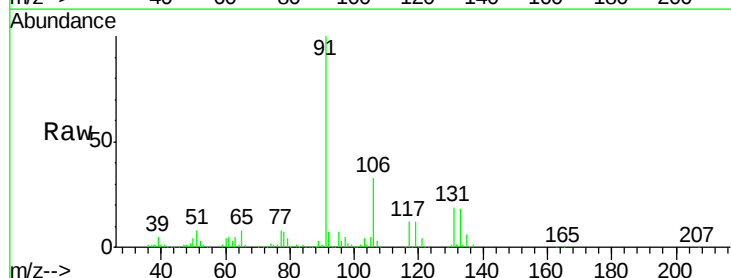
Instrument :
MSVOA_W
ClientSampleId :
VW0522SBSD01

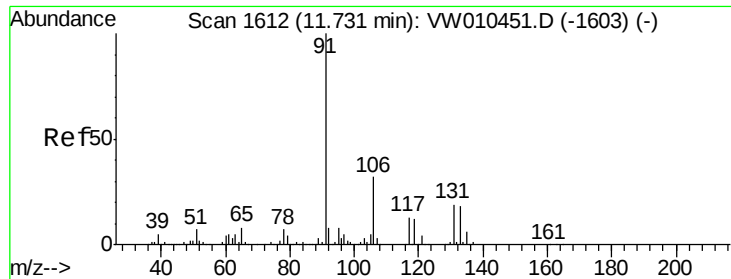
Tot Ion:112 Resp: 96497
Ion Ratio Lower Upper
112 100
114 32.7 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.947 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Tgt Ion:131 Resp: 34636
Ion Ratio Lower Upper
131 100
133 94.5 47.3 141.9
119 64.8 32.1 96.5





#67

Ethyl Benzene

Concen: 19.933 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

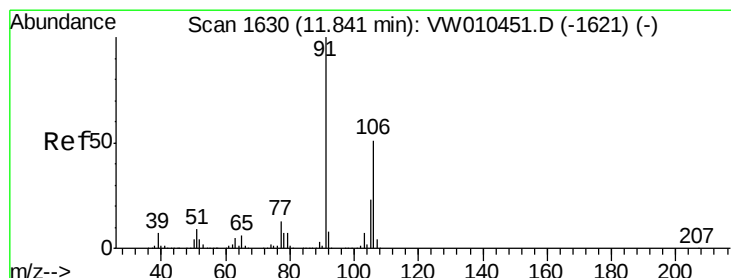
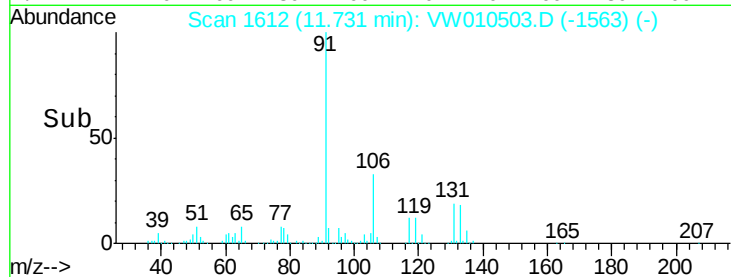
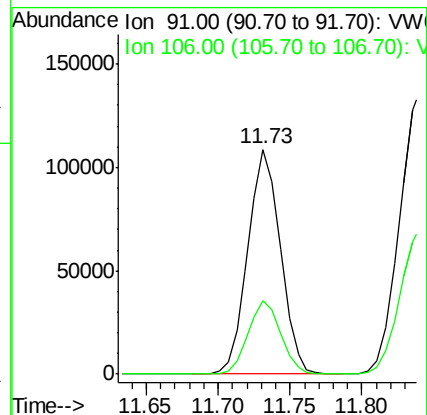
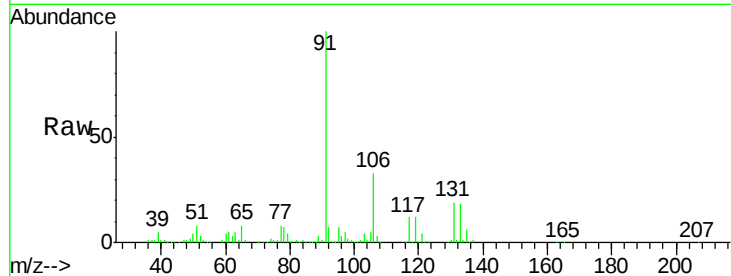
VW0522SBSD01

Tot Ion: 91 Resp: 170586

Ion Ratio Lower Upper

91 100

106 32.9 25.9 38.9



#68

m/p-Xylenes

Concen: 39.650 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW010503.D

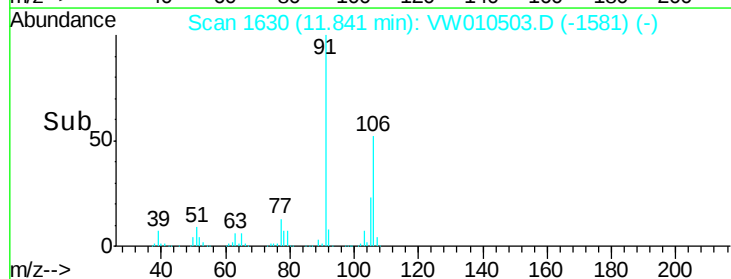
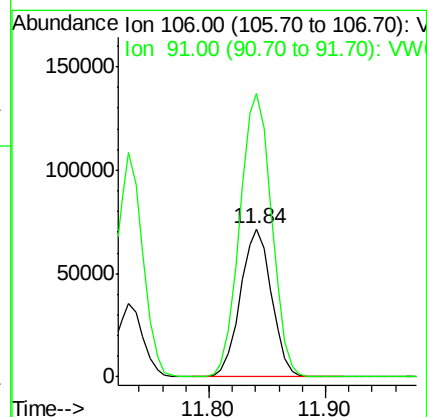
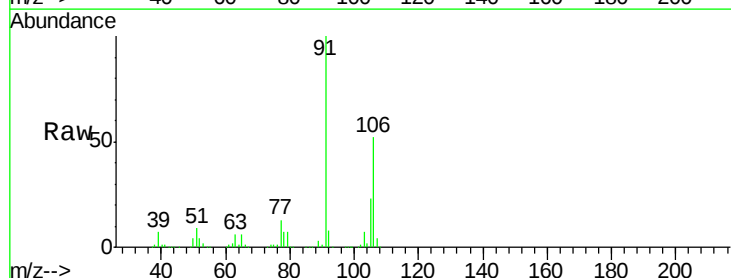
Acq: 22 May 2019 11:57

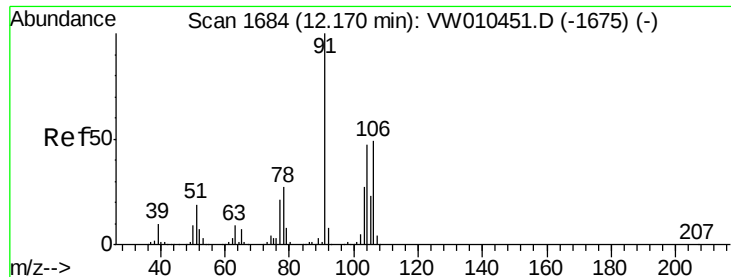
Tgt Ion:106 Resp: 133093

Ion Ratio Lower Upper

106 100

91 196.1 156.0 234.0

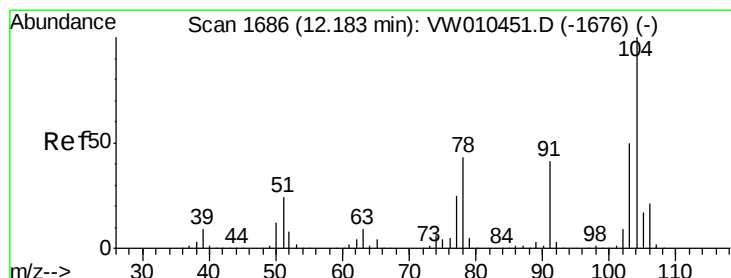
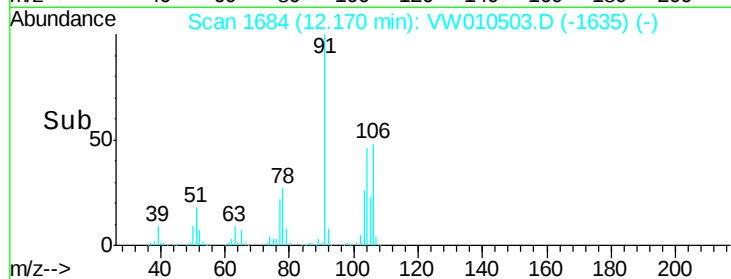
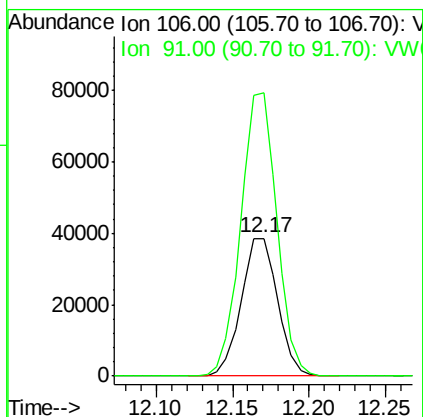
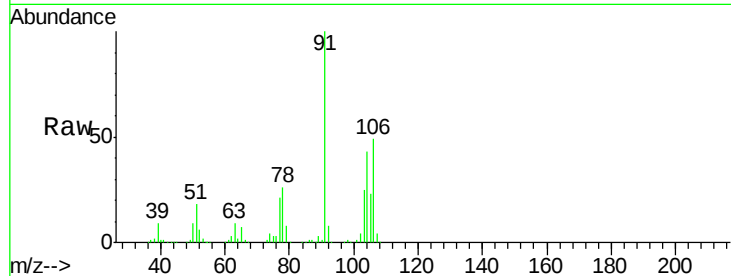




#69
o-Xylene
Concen: 20.013 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

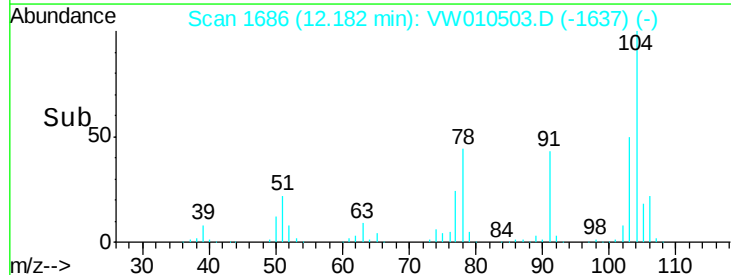
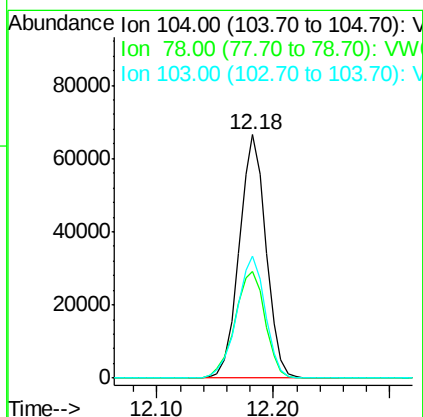
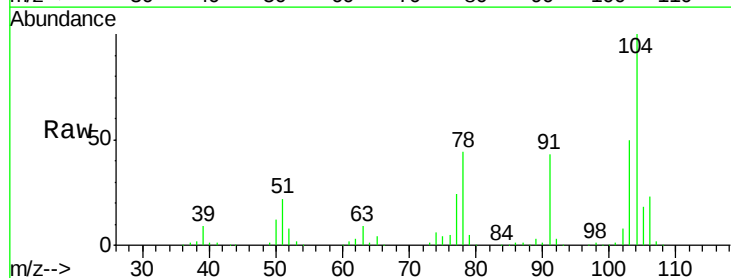
Instrument :
MSVOA_W
ClientSampleId :
VW0522SBSD01

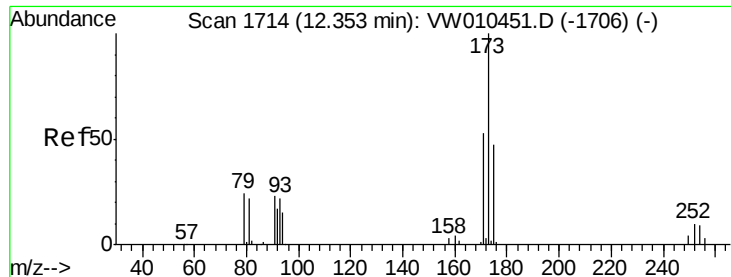
Tot Ion:106 Resp: 63647
Ion Ratio Lower Upper
106 100
91 204.4 103.2 309.4



#70
Styrene
Concen: 19.639 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Tgt Ion:104 Resp: 105974
Ion Ratio Lower Upper
104 100
78 49.6 39.0 58.4
103 53.6 43.0 64.6





#71

Bromoform

Concen: 17.374 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

VW0522SBSD01

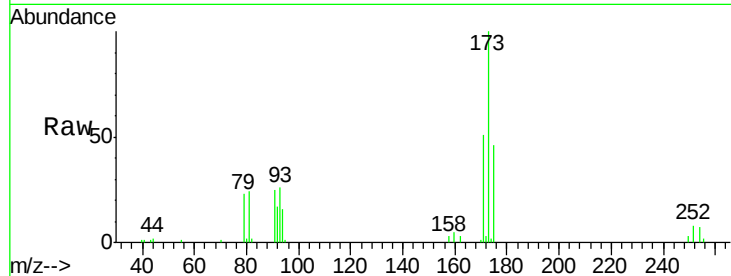
Tot Ion:173 Resp: 16613

Ion Ratio Lower Upper

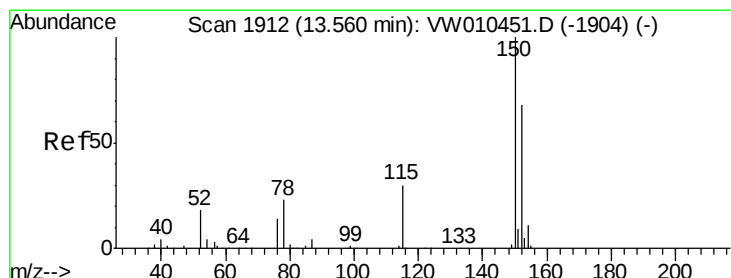
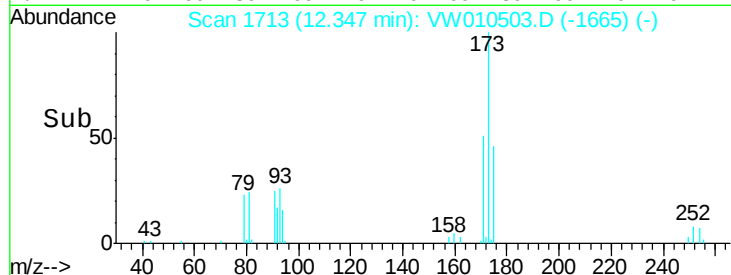
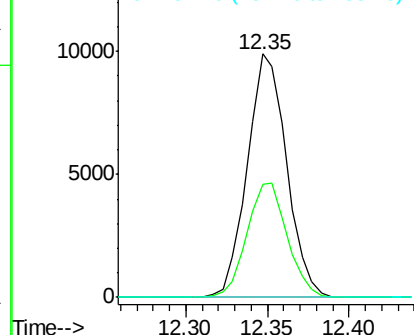
173 100

175 47.9 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: VW010503.D

Acq: 22 May 2019 11:57

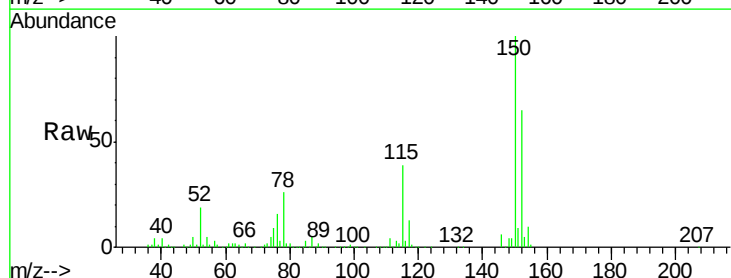
Tgt Ion:152 Resp: 107540

Ion Ratio Lower Upper

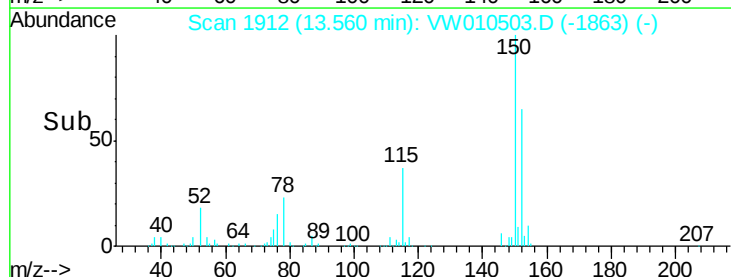
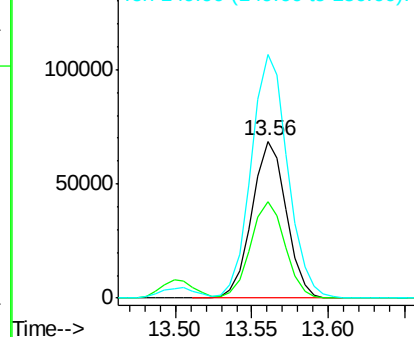
152 100

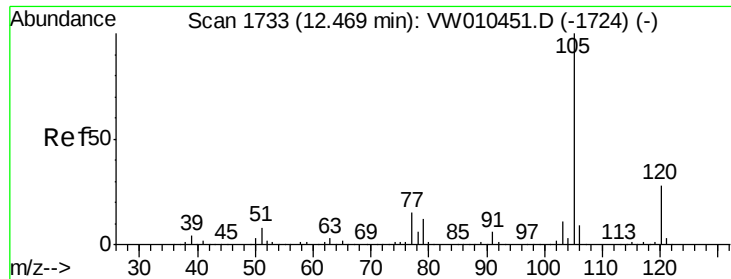
115 61.6 30.3 91.0

150 164.8 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: 20.276 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

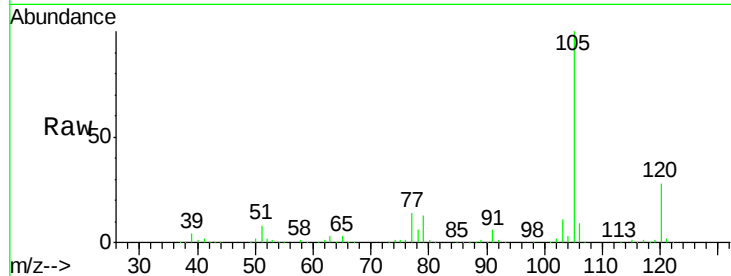
VW0522SBSD01

Tot Ion:105 Resp: 173026

Ion Ratio Lower Upper

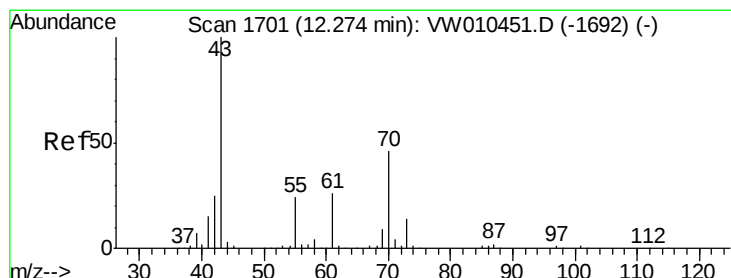
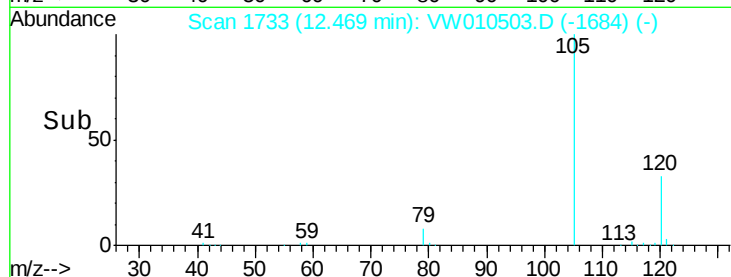
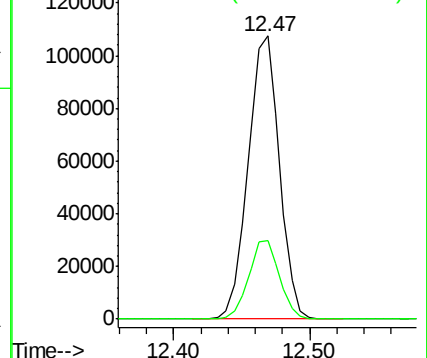
105 100

120 27.4 13.9 41.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 16.019 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Tgt Ion: 43 Resp: 31325

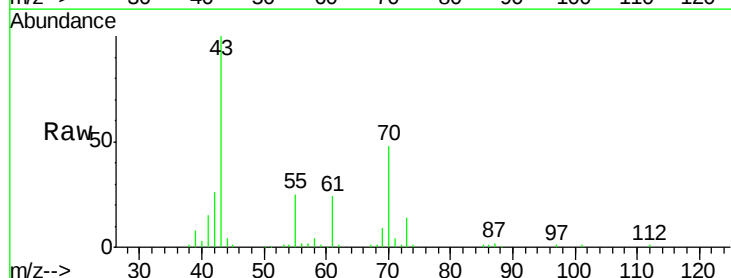
Ion Ratio Lower Upper

43 100

70 48.9 37.1 55.7

55 25.7 19.6 29.4

61 25.0 20.7 31.1

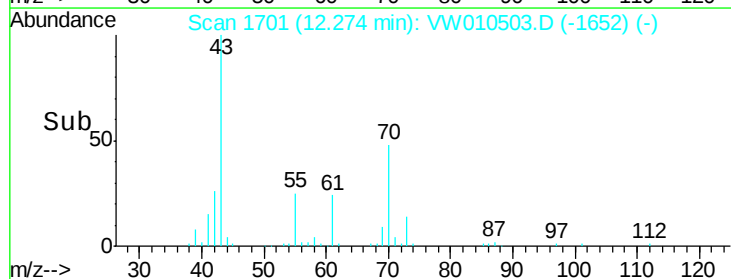
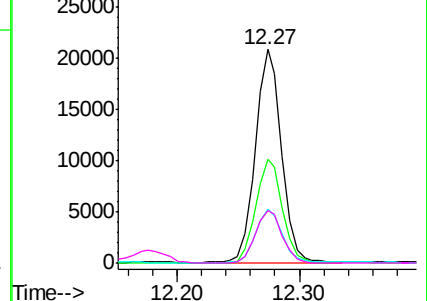


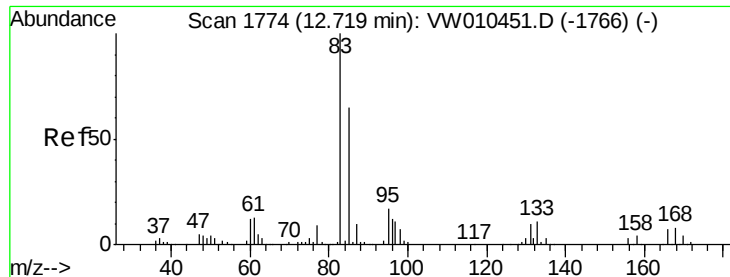
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 17.695 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

VW0522SBSD01

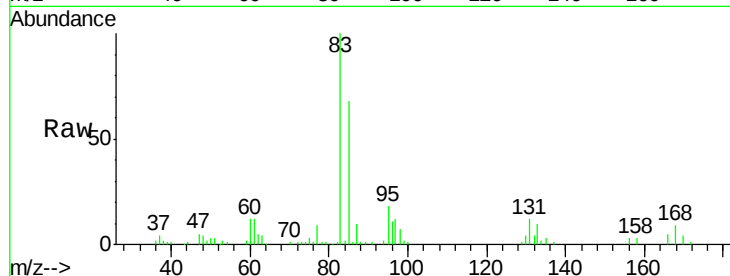
Tot Ion: 83 Resp: 27466

Ion Ratio Lower Upper

83 100

131 12.1 5.6 16.8

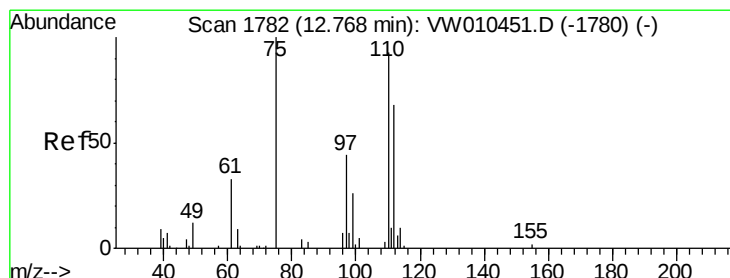
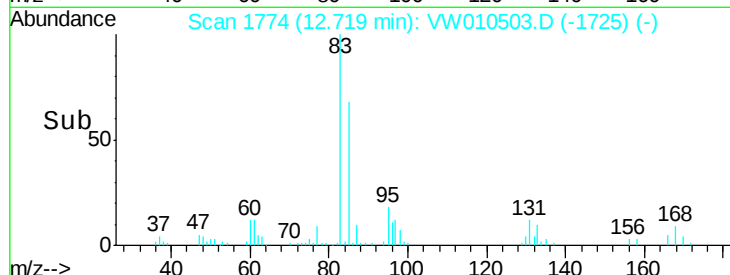
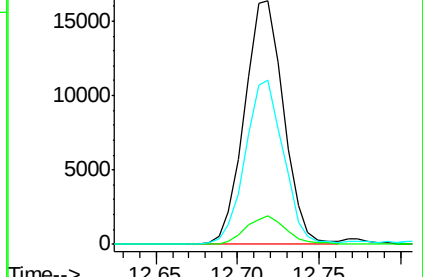
85 65.8 32.4 97.0



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: 32.899 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010503.D

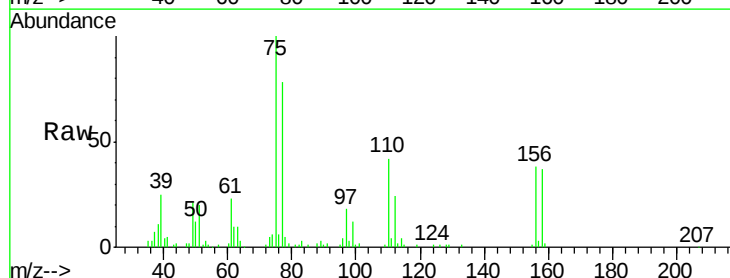
Acq: 22 May 2019 11:57

Tgt Ion: 75 Resp: 35913

Ion Ratio Lower Upper

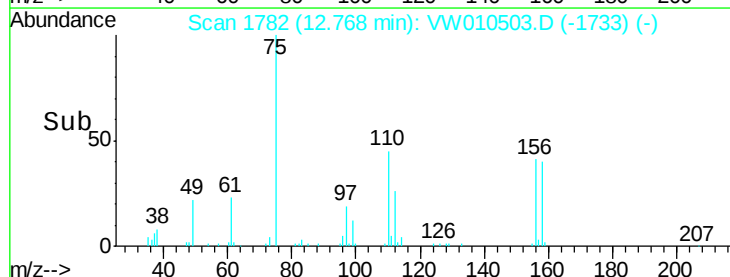
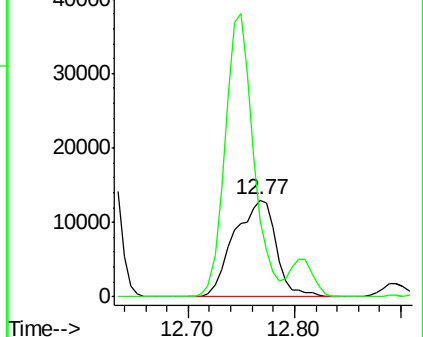
75 100

77 197.5 170.0 510.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.923 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

VW0522SBSD01

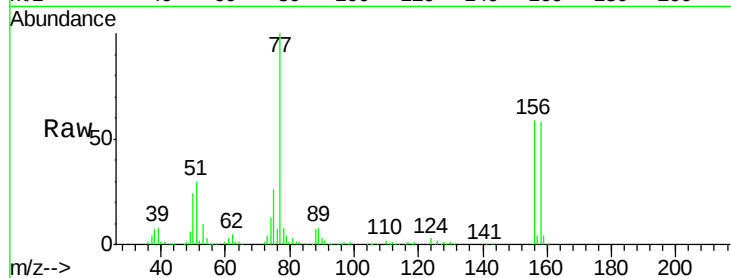
Tot Ion:156 Resp: 38046

Ion Ratio Lower Upper

156 100

77 186.5 92.4 277.2

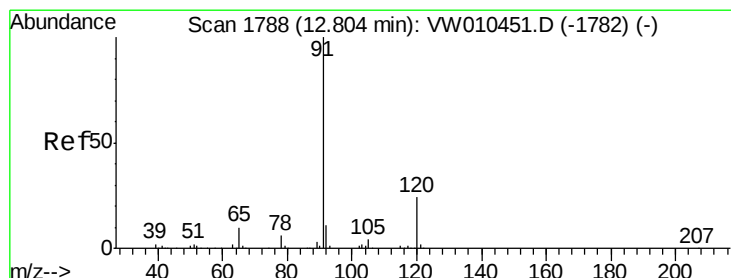
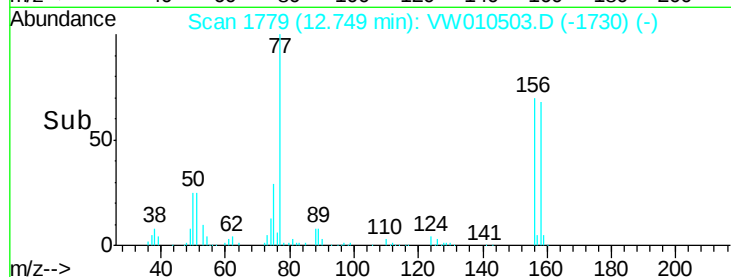
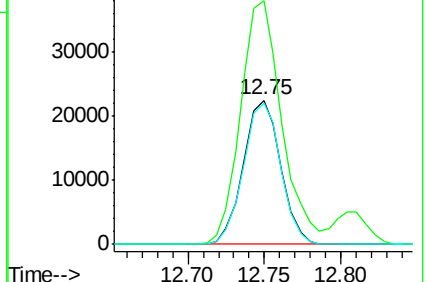
158 98.2 48.3 144.8



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: 19.991 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010503.D

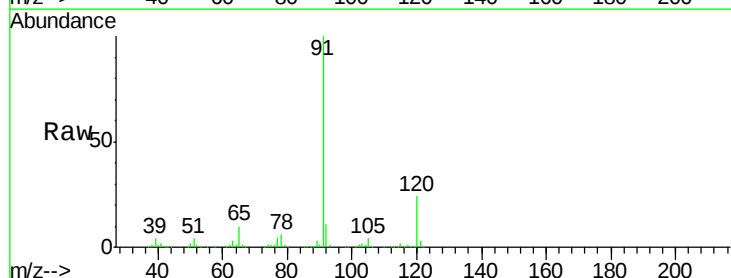
Acq: 22 May 2019 11:57

Tgt Ion: 91 Resp: 198809

Ion Ratio Lower Upper

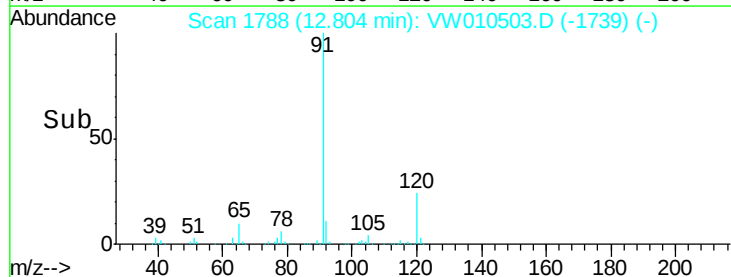
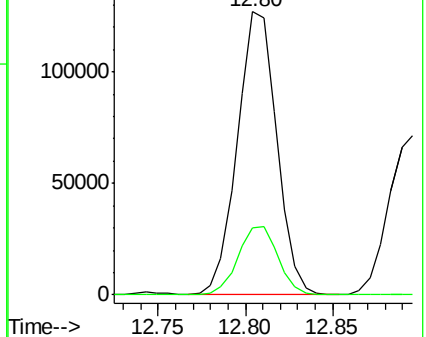
91 100

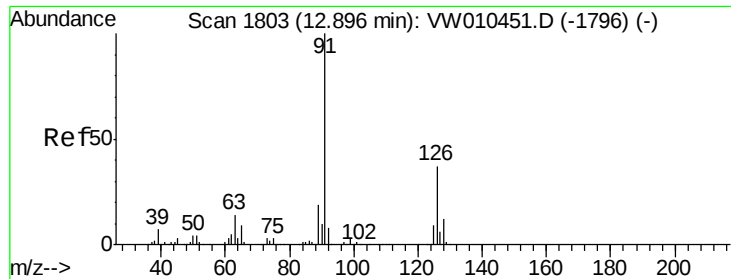
120 24.6 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.160 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

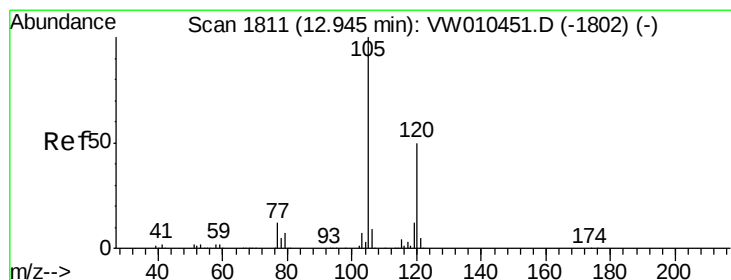
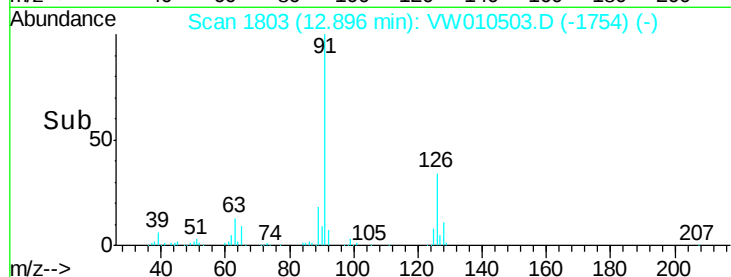
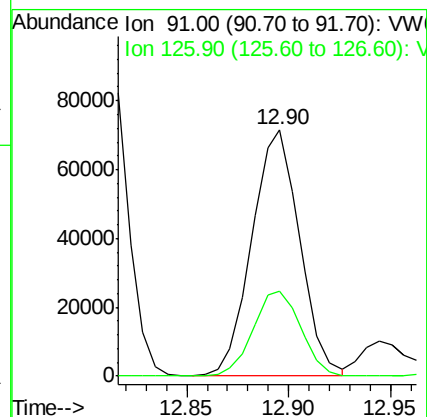
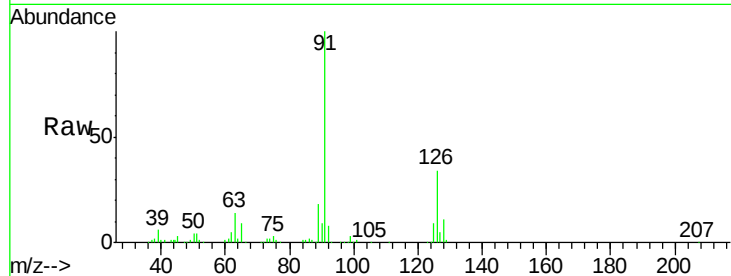
VW0522SBSD01

Tot Ion: 91 Resp: 116269

Ion Ratio Lower Upper

91 100

126 34.8 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 20.289 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010503.D

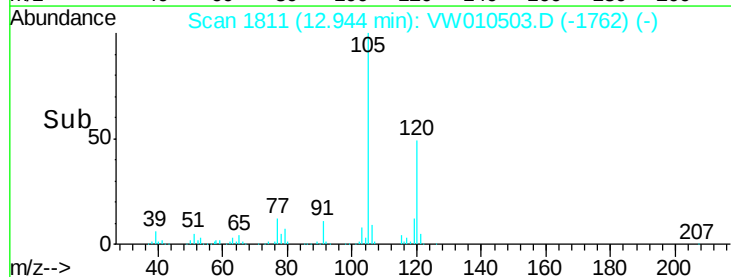
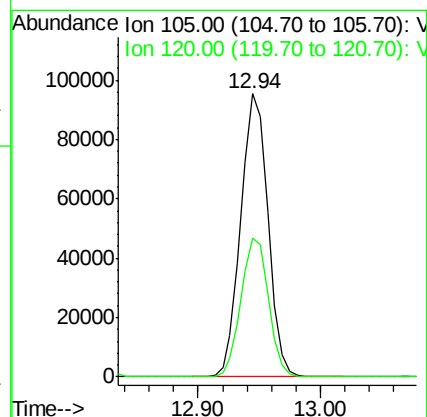
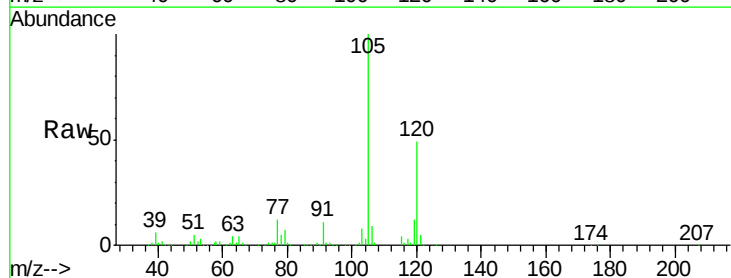
Acq: 22 May 2019 11:57

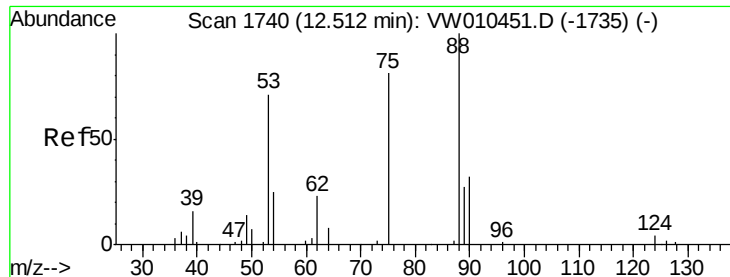
Tgt Ion:105 Resp: 146639

Ion Ratio Lower Upper

105 100

120 49.5 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 16.148 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

VW0522SBSD01

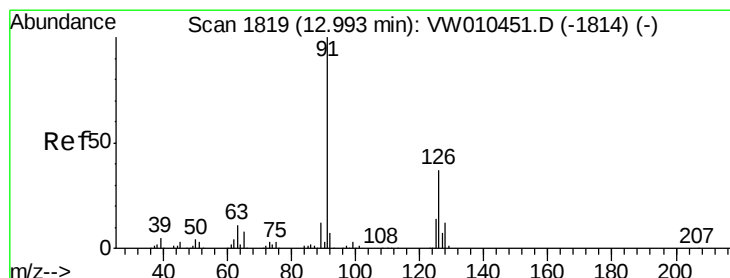
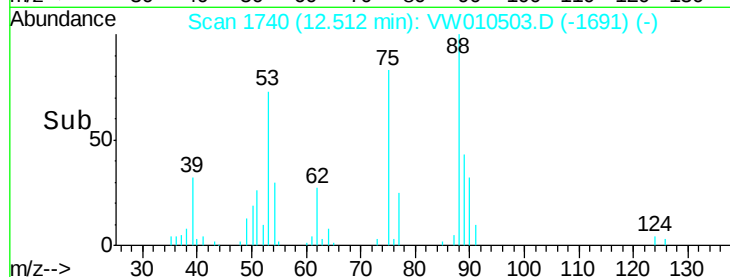
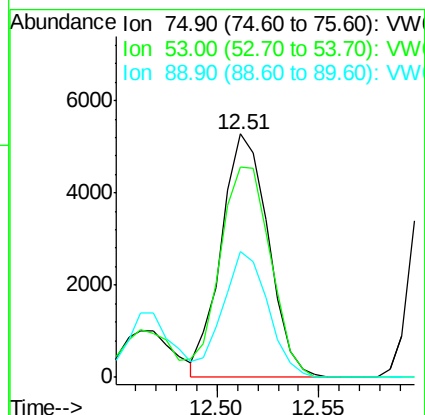
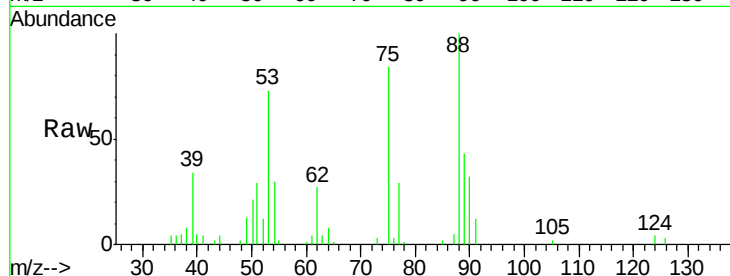
Tot Ion: 75 Resp: 8446

Ion Ratio Lower Upper

75 100

53 93.8 69.8 104.8

89 50.0 39.5 59.3



#82

4-Chlorotoluene

Concen: 20.085 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW010503.D

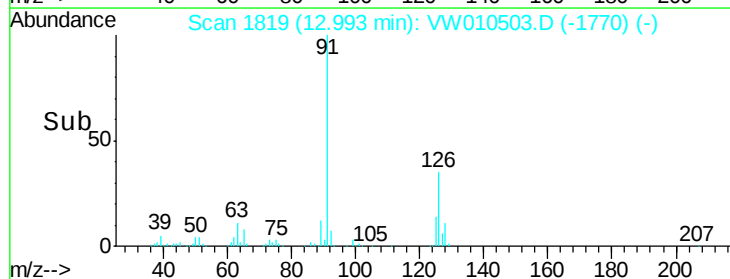
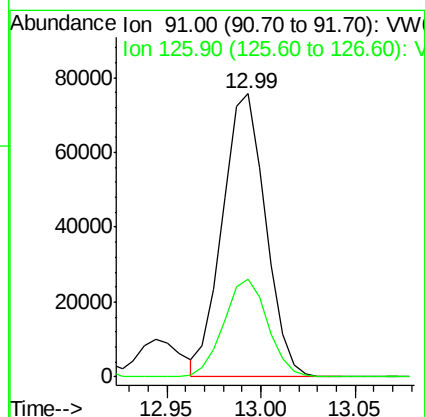
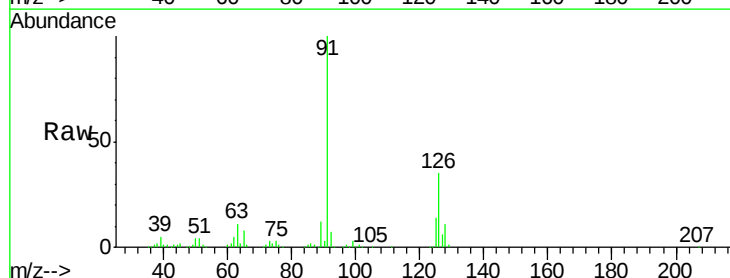
Acq: 22 May 2019 11:57

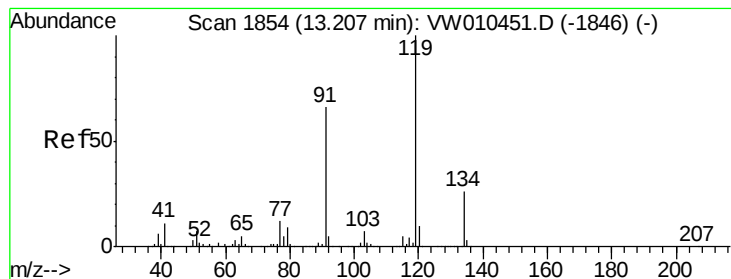
Tgt Ion: 91 Resp: 120235

Ion Ratio Lower Upper

91 100

126 35.3 17.5 52.6





#83

tert-Butylbenzene

Concen: 20.518 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

VW0522SBSD01

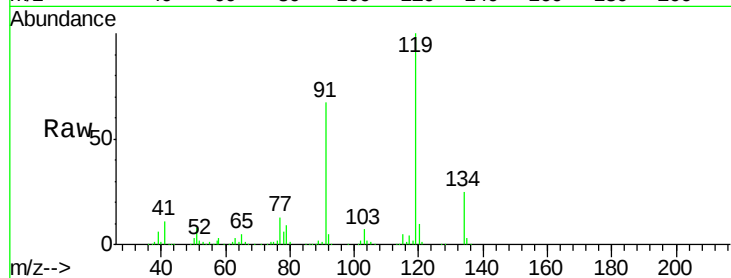
Tot Ion:119 Resp: 129537

Ion Ratio Lower Upper

119 100

91 65.2 33.1 99.5

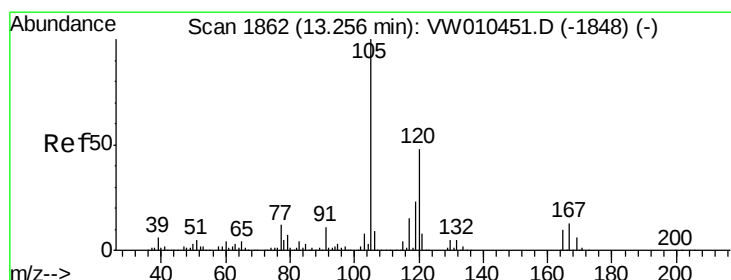
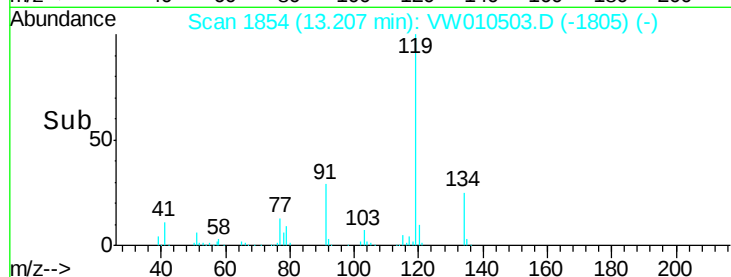
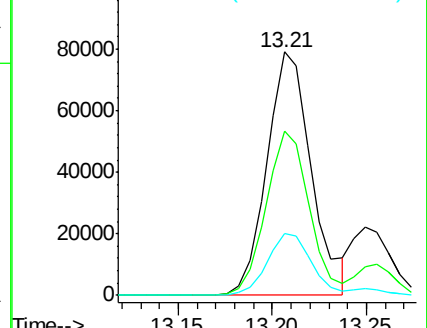
134 25.5 13.9 41.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.907 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW010503.D

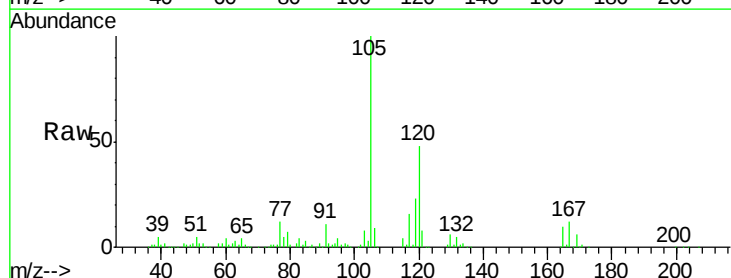
Acq: 22 May 2019 11:57

Tgt Ion:105 Resp: 143296

Ion Ratio Lower Upper

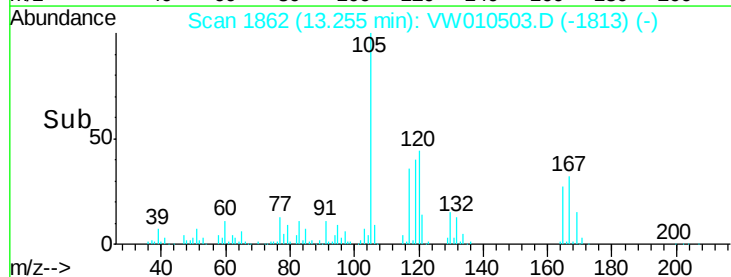
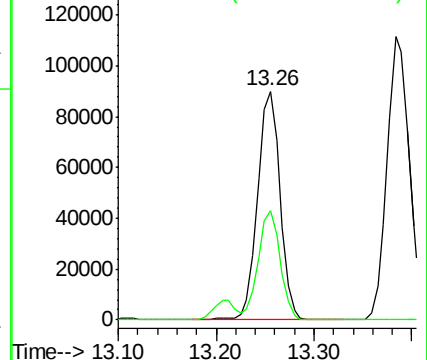
105 100

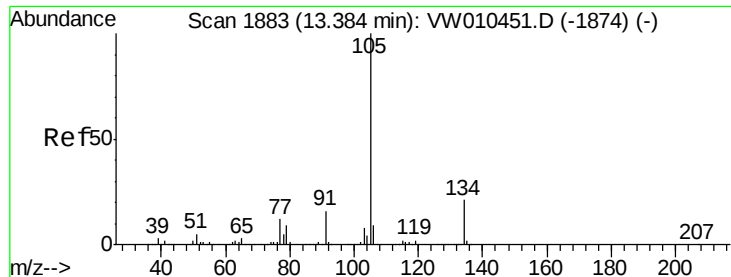
120 46.8 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.817 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

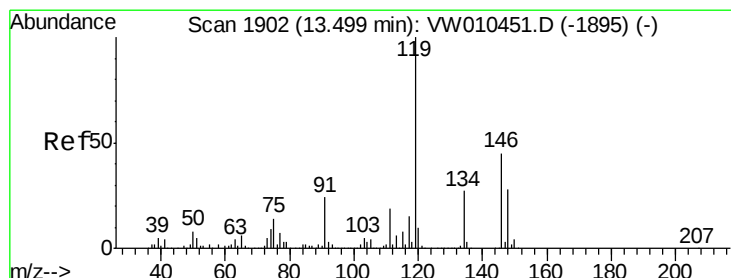
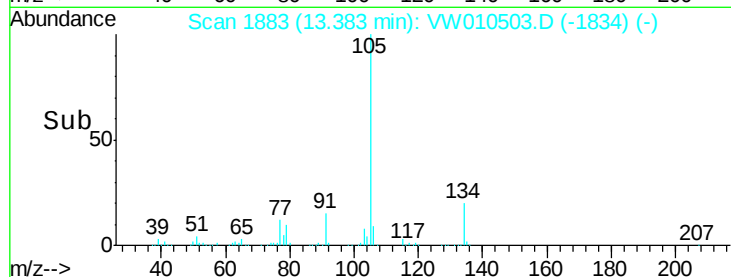
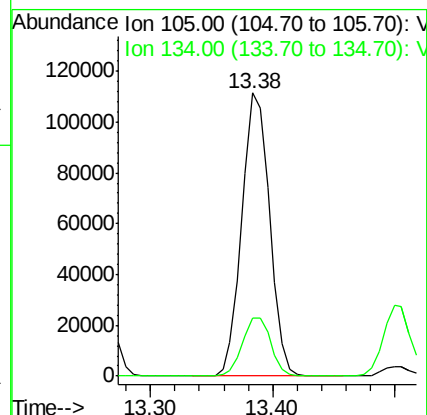
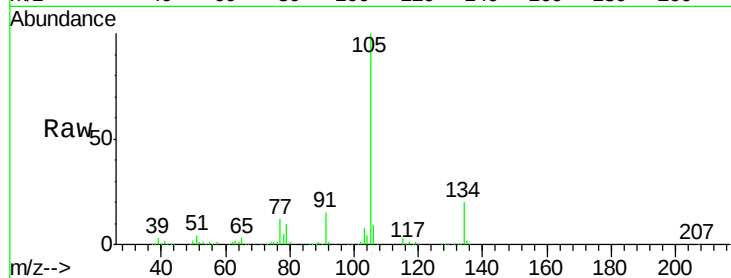
VW0522SBSD01

Tot Ion:105 Resp: 175081

Ion Ratio Lower Upper

105 100

134 21.2 10.5 31.6



#86

p-Isopropyltoluene

Concen: 20.044 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

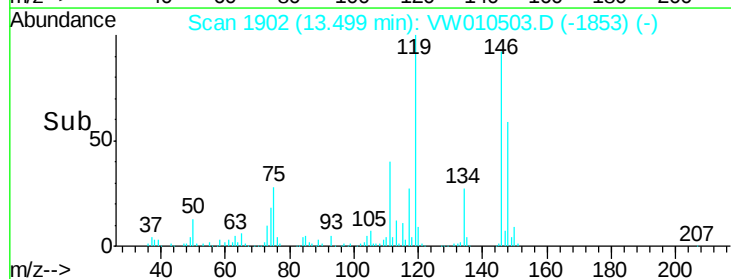
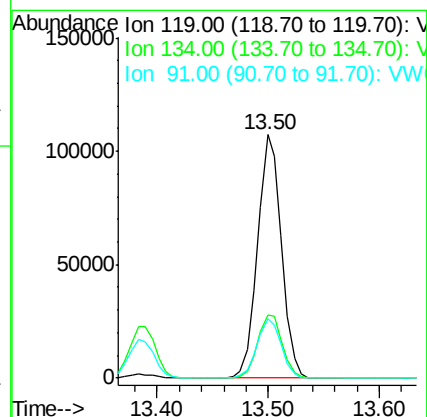
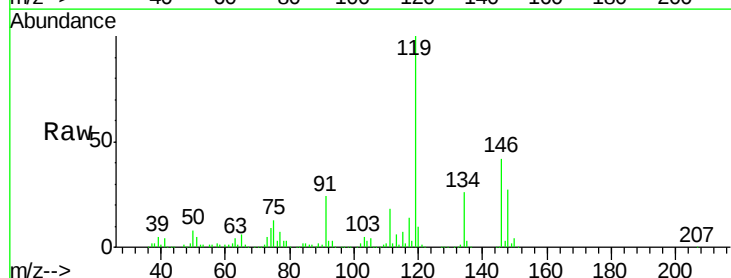
Tgt Ion:119 Resp: 160285

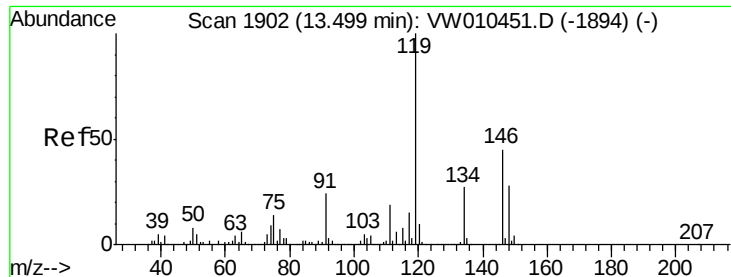
Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.7

91 24.6 11.9 35.7

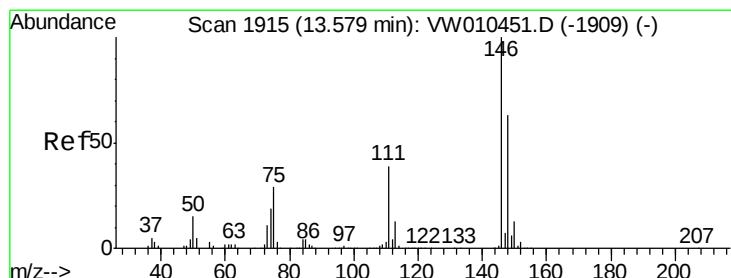
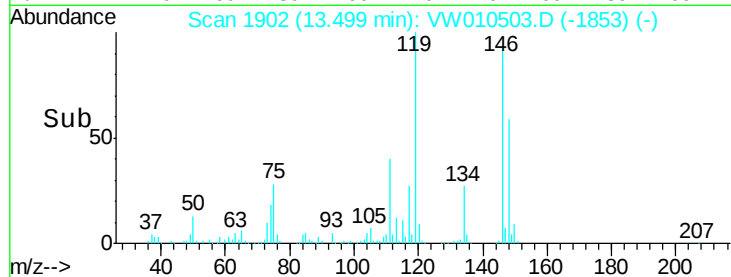
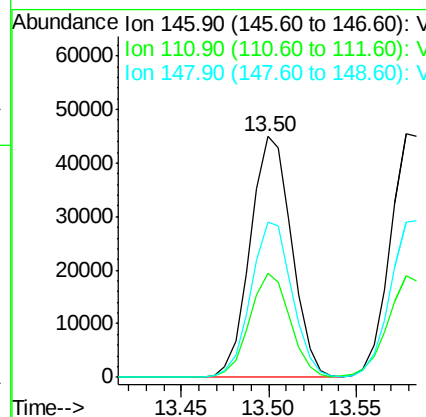
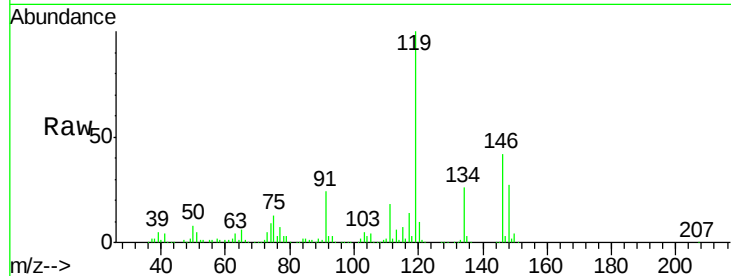




#87
 1,3-Dichlorobenzene
 Concen: 19.842 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010503.D
 Acq: 22 May 2019 11:57

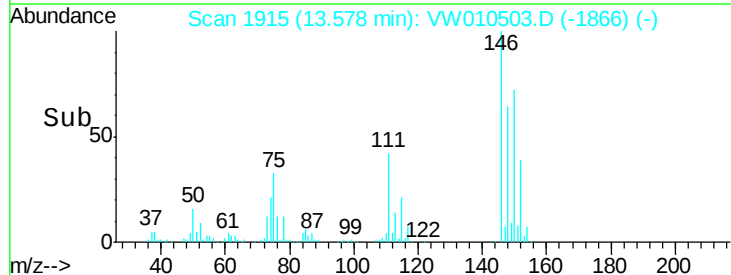
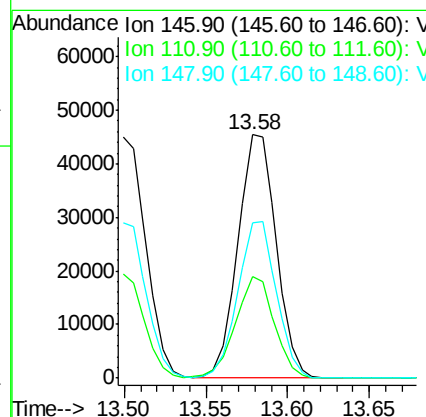
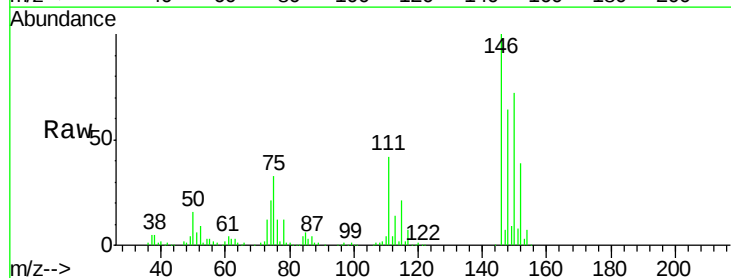
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0522SBSD01

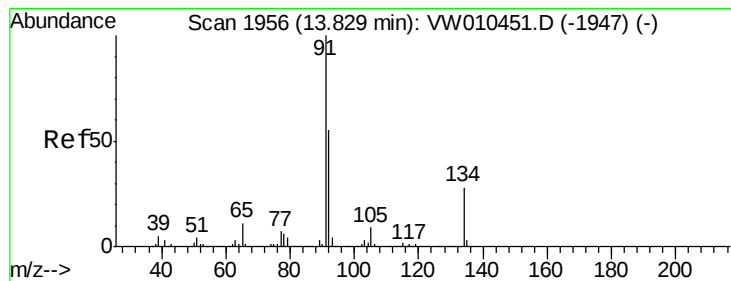
Tot Ion:146 Resp: 74340
 Ion Ratio Lower Upper
 146 100
 111 42.3 20.3 60.9
 148 64.1 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 19.828 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010503.D
 Acq: 22 May 2019 11:57

Tgt Ion:146 Resp: 74534
 Ion Ratio Lower Upper
 146 100
 111 42.3 19.9 59.6
 148 64.4 31.6 94.8





#89

n-Butylbenzene

Concen: 19.491 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

VW0522SBSD01

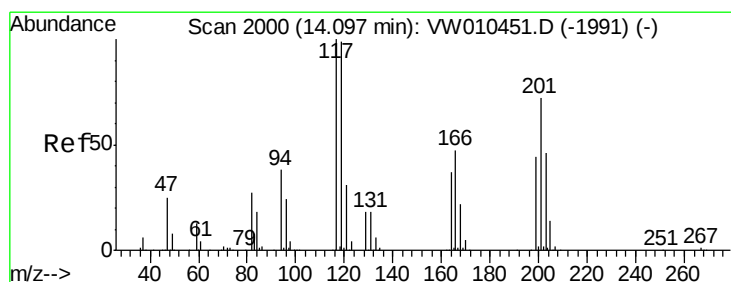
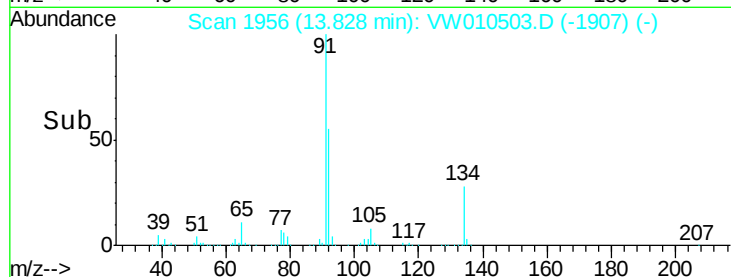
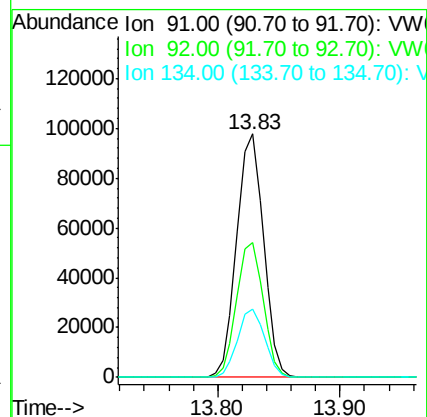
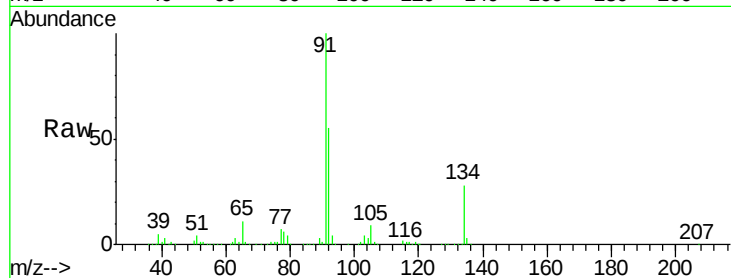
Tot Ion: 91 Resp: 148259

Ion Ratio Lower Upper

91 100

92 55.2 27.7 83.1

134 28.3 13.9 41.6



#90

Hexachloroethane

Concen: 19.647 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010503.D

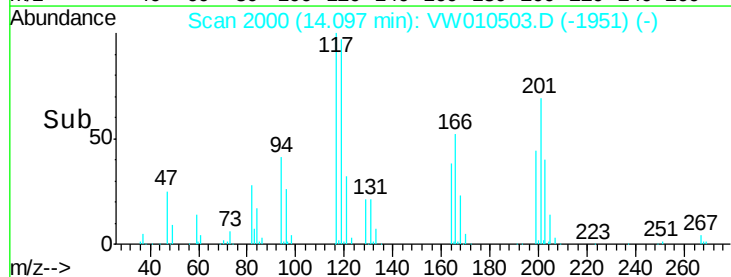
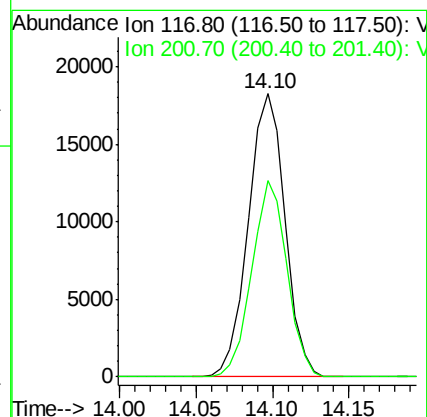
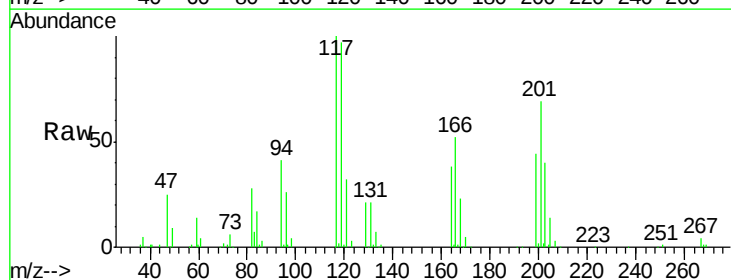
Acq: 22 May 2019 11:57

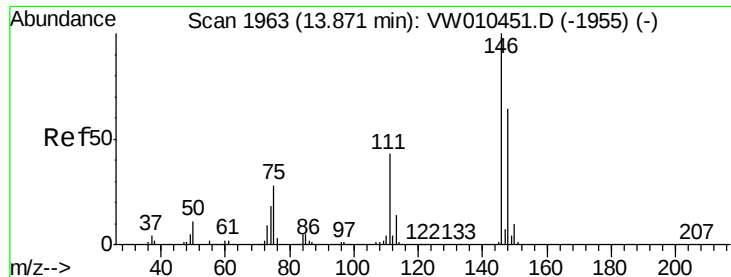
Tgt Ion: 117 Resp: 30410

Ion Ratio Lower Upper

117 100

201 66.4 34.6 103.8





#91

1,2-Dichlorobenzene

Concen: 19.531 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

VW0522SBSD01

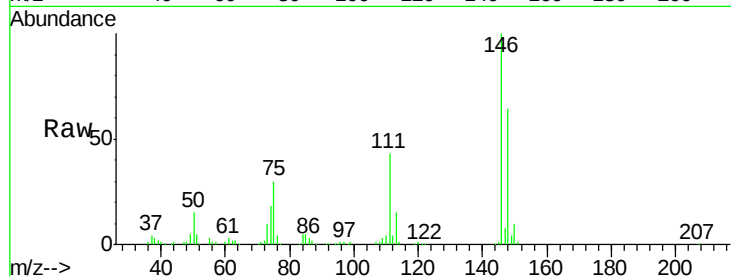
Tot Ion:146 Resp: 66675

Ion Ratio Lower Upper

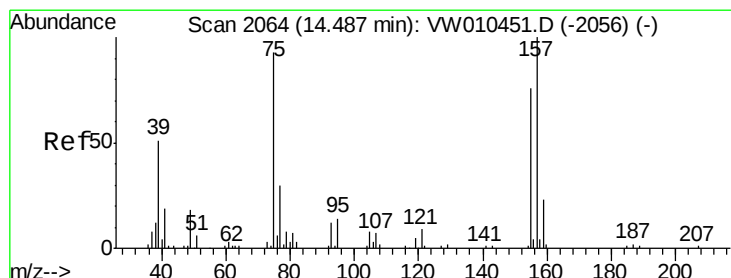
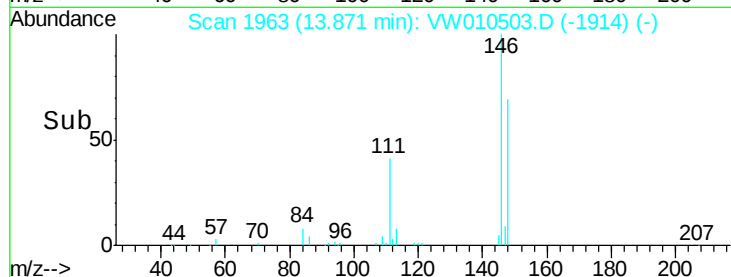
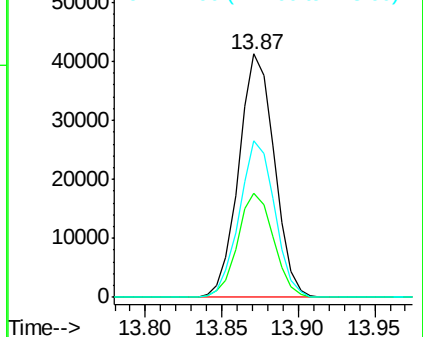
146 100

111 43.2 21.3 64.0

148 64.0 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: 16.787 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

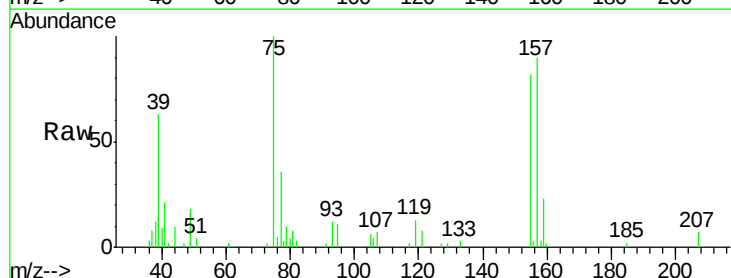
Tgt Ion: 75 Resp: 4845

Ion Ratio Lower Upper

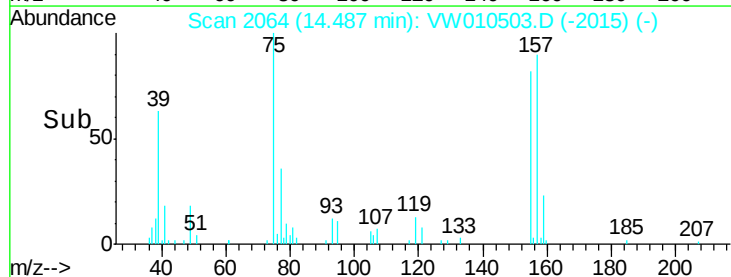
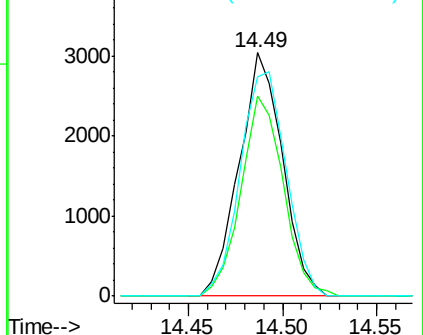
75 100

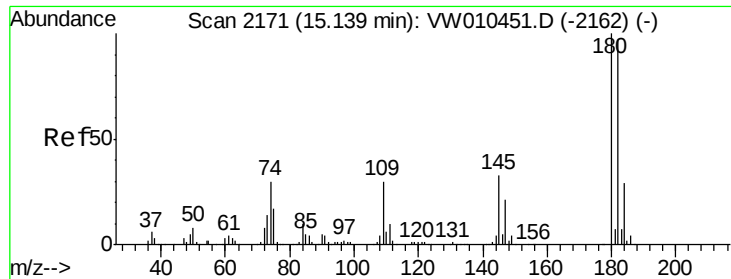
155 80.1 43.0 129.0

157 98.0 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

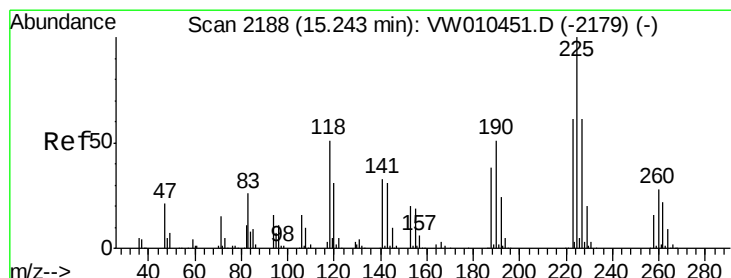
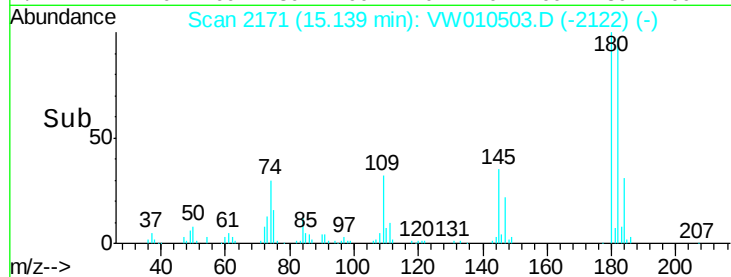
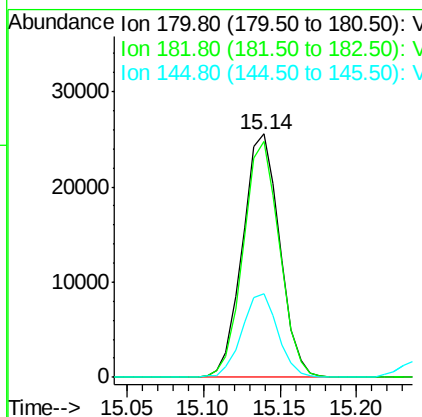
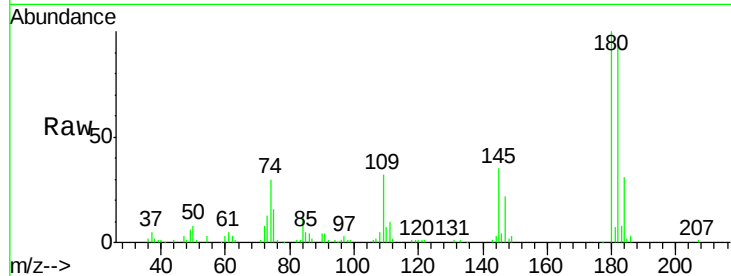




#93
 1,2,4-Trichlorobenzene
 Concen: 18.554 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010503.D
 Acq: 22 May 2019 11:57

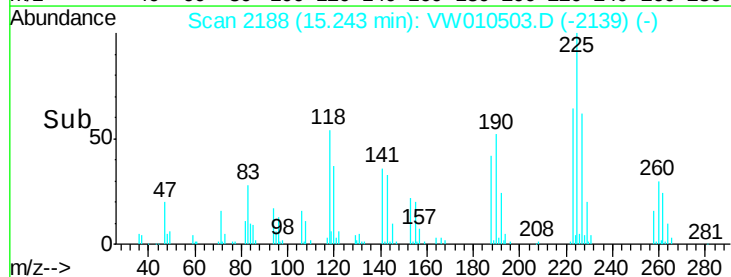
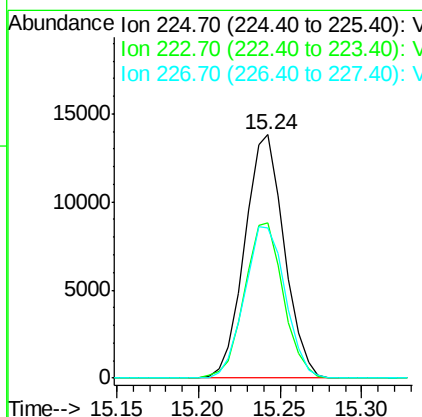
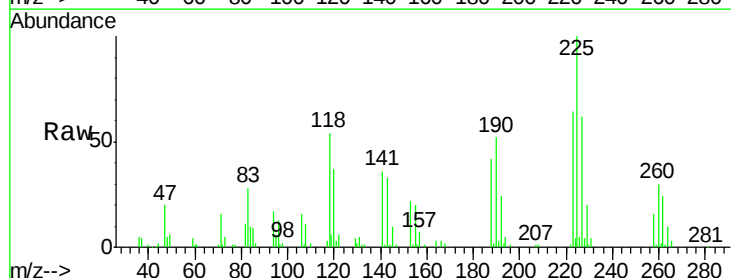
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0522SBSD01

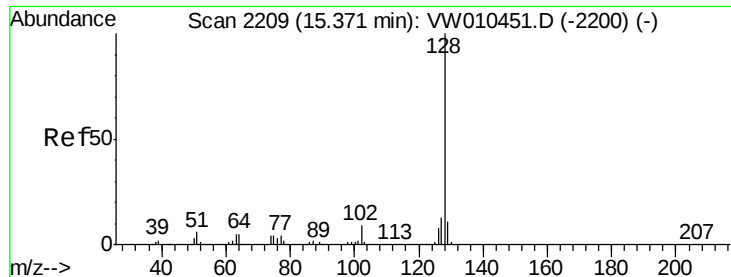
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.0	141.2
145	33.4	16.7	50.0



#94
 Hexachlorobutadiene
 Concen: 18.687 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010503.D
 Acq: 22 May 2019 11:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.1	93.2
227	64.4	31.1	93.5

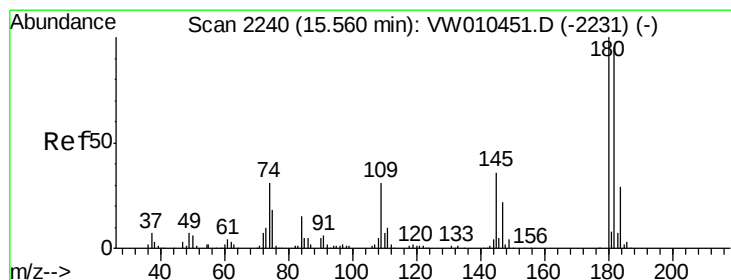
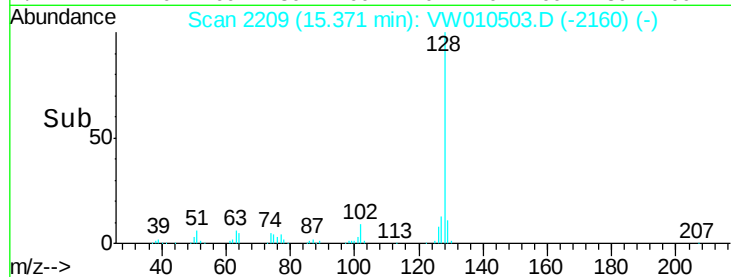
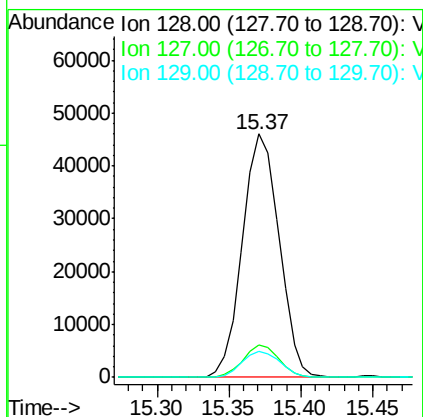
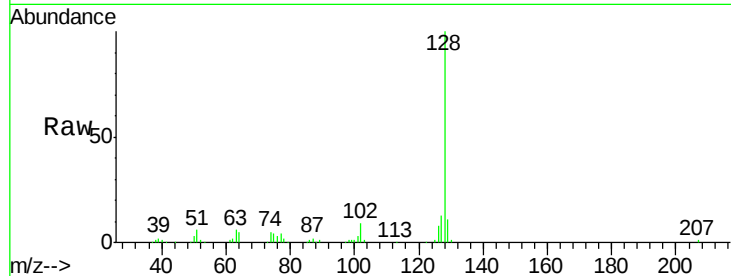




#95
Naphthalene
Concen: 16.708 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Instrument :
MSVOA_W
ClientSampleId :
VW0522SBSD01

Tot Ion:128 Resp: 81461
Ion Ratio Lower Upper
128 100
127 12.9 10.6 15.8
129 11.0 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 18.175 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Tgt Ion:180 Resp: 36324
Ion Ratio Lower Upper
180 100
182 95.3 47.1 141.3
145 35.9 17.4 52.3

