

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052319\
 Data File : VW010527.D
 Acq On : 23 May 2019 13:59
 Operator : SY/VA
 Sample : VW0523SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0523SBSD01

Quant Time: May 24 08:41:16 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	150873	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	257280	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	227811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	109078	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	74144	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	
35) Dibromofluoromethane	7.88	113	77681	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
50) Toluene-d8	10.32	98	297584	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
62) 4-Bromofluorobenzene	12.62	95	114253	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	20884	15.344	ug/l	98
3) Chloromethane	2.21	50	25132	15.854	ug/l	96
4) Vinyl Chloride	2.35	62	27467	14.959	ug/l	100
5) Bromomethane	2.75	94	20831	16.491	ug/l	96
6) Chloroethane	2.91	64	19059	16.170	ug/l	96
7) Trichlorofluoromethane	3.25	101	51738	19.086	ug/l	96
8) Diethyl Ether	3.68	74	15897	18.500	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	32204	19.290	ug/l	99
10) Methyl Iodide	4.28	142	30354	15.907	ug/l	98
11) Tert butyl alcohol	5.18	59	16855	120.329	ug/l #	90
12) 1,1-Dichloroethene	4.03	96	29987	18.817	ug/l	99
13) Acrolein	3.89	56	9256	100.018	ug/l	95
14) Allyl chloride	4.67	41	42101	18.251	ug/l	100
15) Acrylonitrile	5.37	53	30756	85.462	ug/l	99
16) Acetone	4.13	43	31805	100.056	ug/l	94
17) Carbon Disulfide	4.37	76	81065	17.054	ug/l	100
18) Methyl Acetate	4.67	43	15087	19.406	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	76440	18.815	ug/l	98
20) Methylene Chloride	4.92	84	31983	13.440	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	34937	19.113	ug/l	98
22) Diisopropyl ether	6.31	45	87703	18.542	ug/l	95
23) Vinyl Acetate	6.26	43	255077	90.280	ug/l	98
24) 1,1-Dichloroethane	6.21	63	54279	19.230	ug/l	98
25) 2-Butanone	7.17	43	44361	97.517	ug/l	100
26) 2,2-Dichloropropane	7.17	77	56286	20.934	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	39255	19.753	ug/l	99
28) Bromochloromethane	7.51	49	20320	20.107	ug/l	97
29) Tetrahydrofuran	7.53	42	26457	85.949	ug/l	98
30) Chloroform	7.67	83	58737	19.292	ug/l	96
31) Cyclohexane	7.95	56	53629	18.138	ug/l #	94
32) 1,1,1-Trichloroethane	7.87	97	56718	19.491	ug/l	97
36) 1,1-Dichloropropene	8.09	75	47202	19.695	ug/l	99
37) Ethyl Acetate	7.26	43	19104	18.744	ug/l	98
38) Carbon Tetrachloride	8.06	117	51944	20.091	ug/l	93

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Instrument :
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 VW0523SBSD01

Quant Time: May 24 08:41:16 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)
39) Methylcyclohexane	9.34	83	62278	19.395	ug/l	98
40) Benzene	8.32	78	130726	19.624	ug/l	99
41) Methacrylonitrile	7.49	41	11663	19.259	ug/l	90
42) 1,2-Dichloroethane	8.40	62	37205	19.541	ug/l	100
43) Isopropyl Acetate	8.43	43	37131	18.236	ug/l	98
44) Trichloroethene	9.09	130	39255	19.849	ug/l	97
45) 1,2-Dichloropropane	9.37	63	30944	19.559	ug/l	100
46) Dibromomethane	9.46	93	18159	19.626	ug/l	100
47) Bromodichloromethane	9.64	83	44706	19.228	ug/l	99
48) Methyl methacrylate	9.44	41	15782	16.943	ug/l	94
49) 1,4-Dioxane	9.45	88	4716	312.022	ug/l	91
51) 4-Methyl-2-Pentanone	10.21	43	94177	91.279	ug/l	99
52) Toluene	10.39	92	89349	19.972	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	44233	18.784	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	51519	19.157	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	25973	19.521	ug/l	97
56) Ethyl methacrylate	10.65	69	32673	17.806	ug/l	97
57) 1,3-Dichloropropane	10.93	76	43247	19.405	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	76420	94.024	ug/l	97
59) 2-Hexanone	10.97	43	64294	87.357	ug/l	100
60) Dibromochloromethane	11.13	129	32475	19.286	ug/l	100
61) 1,2-Dibromoethane	11.23	107	25740	19.098	ug/l	98
64) Tetrachloroethene	10.86	164	31962	20.126	ug/l	98
65) Chlorobenzene	11.66	112	97022	19.983	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	34709	19.956	ug/l	98
67) Ethyl Benzene	11.73	91	168419	19.648	ug/l	98
68) m/p-Xylenes	11.84	106	131535	39.121	ug/l	98
69) o-Xylene	12.16	106	63215	19.844	ug/l	99
70) Styrene	12.18	104	106936	19.785	ug/l	100
71) Bromoform	12.35	173	17321	18.085	ug/l #	99
73) Isopropylbenzene	12.46	105	173055	19.993	ug/l	99
74) N-amyl acetate	12.27	43	33926	17.104	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	29137	18.507	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	37333	33.718	ug/l	31
77) Bromobenzene	12.75	156	39371	20.326	ug/l	99
78) n-propylbenzene	12.80	91	195780	19.409	ug/l	100
79) 2-Chlorotoluene	12.90	91	114812	19.627	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	143013	19.508	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	9008	16.980	ug/l	96
82) 4-Chlorotoluene	12.99	91	119132	19.620	ug/l	99
83) tert-Butylbenzene	13.21	119	126374	19.735	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	142808	19.559	ug/l	100
85) sec-Butylbenzene	13.38	105	174394	19.461	ug/l	99
86) p-Isopropyltoluene	13.50	119	157124	19.371	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	76487	20.127	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	74766	19.609	ug/l	97
89) n-Butylbenzene	13.83	91	146397	18.975	ug/l	100
90) Hexachloroethane	14.10	117	30387	19.355	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	68488	19.779	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4996	17.066	ug/l	98

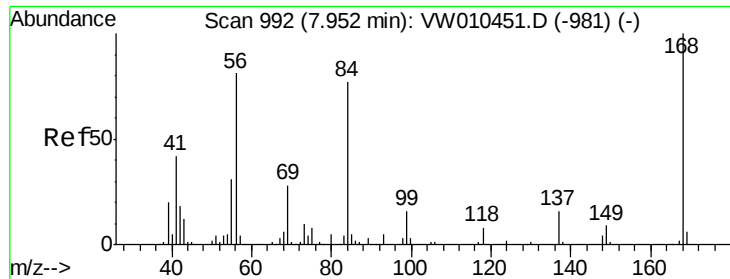
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052319\
Data File : VW010527.D
Acq On : 23 May 2019 13:59
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Sample : VW0523SBSD01
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Quant Time: May 24 08:41:16 2019
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Quant 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	44138	18.735	ug/l	99
94) Hexachlorobutadiene	15.24	225	24276	19.288	ug/l	97
95) Naphthalene	15.37	128	86057	17.401	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	37724	18.609	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010527.D

Acq: 23 May 2019 13:59

Instrument :

MSVOA_W

ClientSampleId :

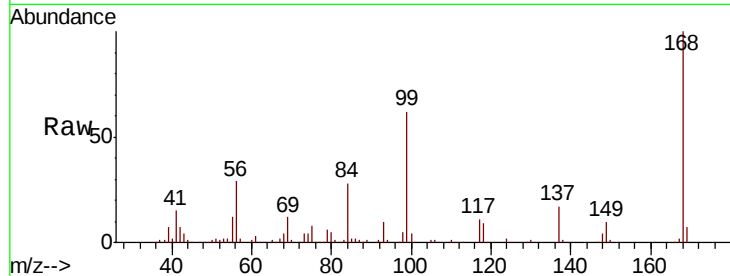
VW0523SBSD01

Tot Ion:168 Resp: 150873

Ion Ratio Lower Upper

168 100

99 61.5 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

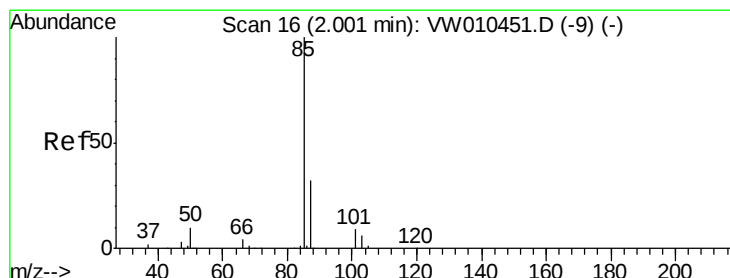
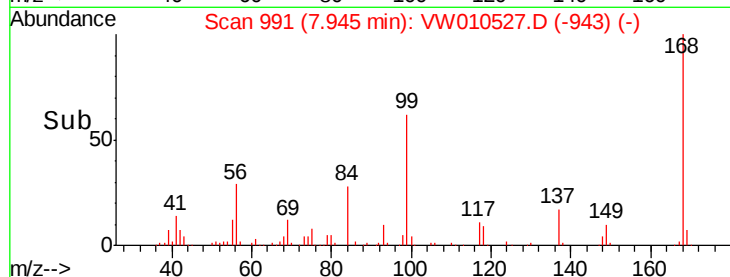
40000

20000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 15.344 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010527.D

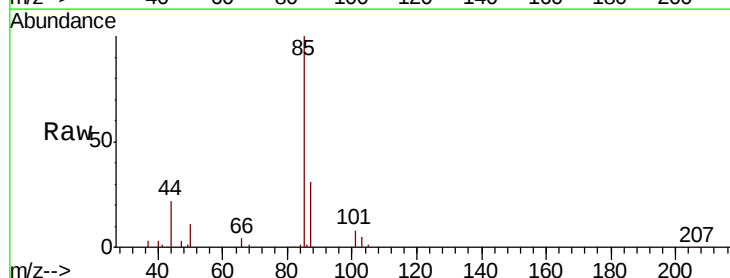
Acq: 23 May 2019 13:59

Tgt Ion: 85 Resp: 20884

Ion Ratio Lower Upper

85 100

87 31.5 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

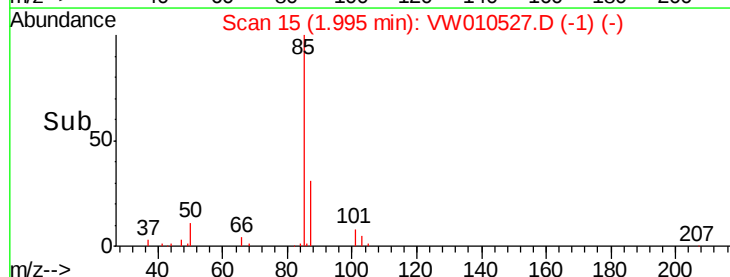
10000

5000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 15.854 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW010527.D

Acq: 23 May 2019 13:59

Instrument :

MSVOA_W

ClientSampleId :

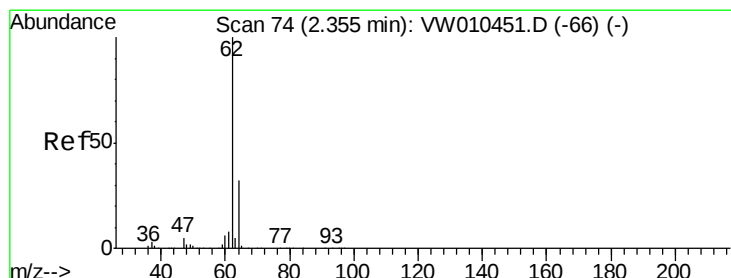
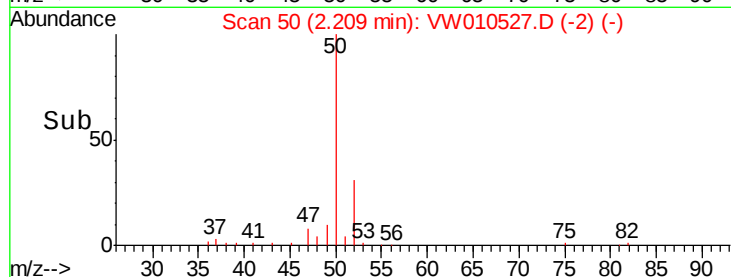
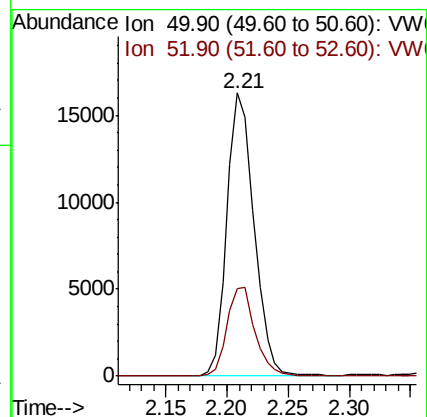
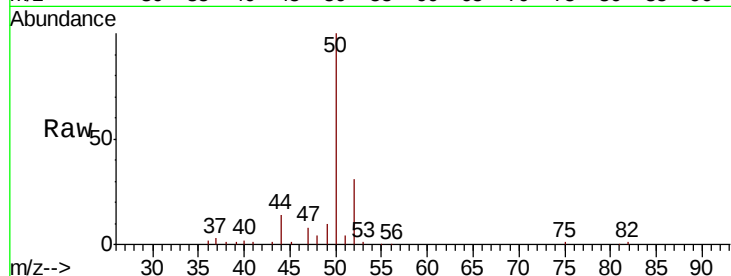
VW0523SBSD01

Tot Ion: 50 Resp: 25132

Ion Ratio Lower Upper

50 100

52 30.8 26.3 39.5



#4

Vinyl Chloride

Concen: 14.959 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010527.D

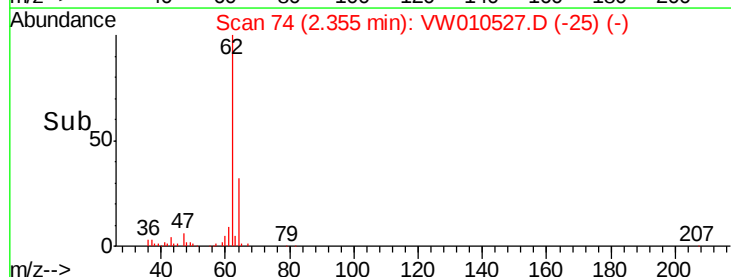
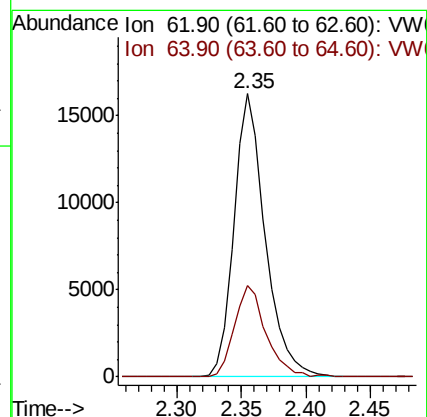
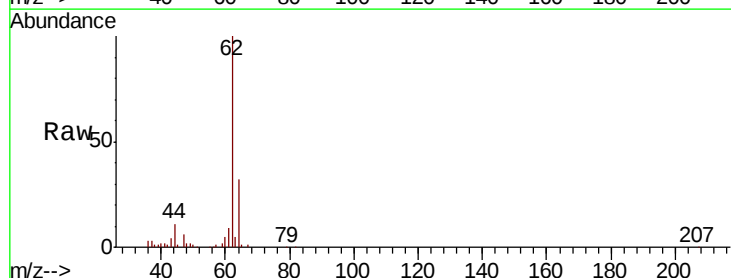
Acq: 23 May 2019 13:59

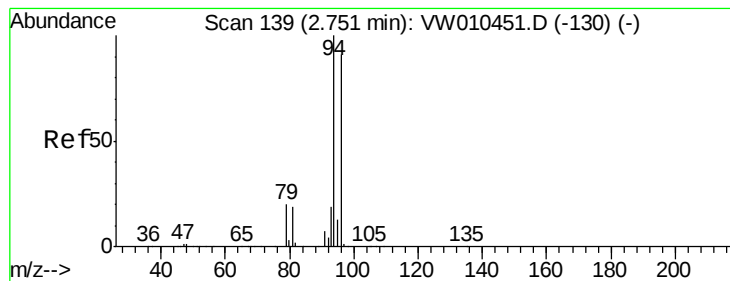
Tgt Ion: 62 Resp: 27467

Ion Ratio Lower Upper

62 100

64 32.2 25.8 38.8





#5

Bromomethane

Concen: 16.491 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.00 min

Lab File: VW010527.D

Acq: 23 May 2019 13:59

Instrument :

MSVOA_W

ClientSampleId :

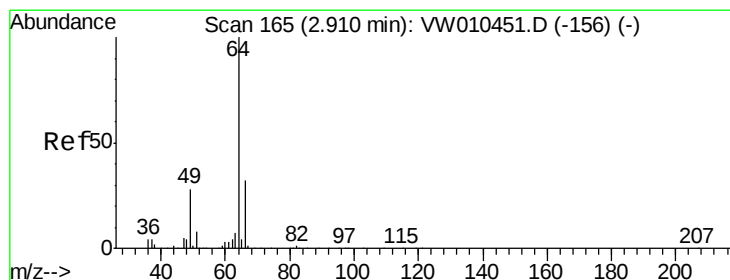
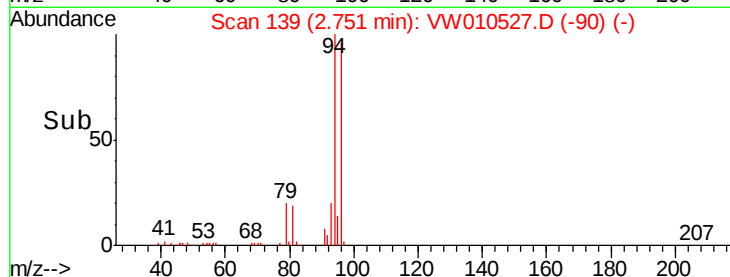
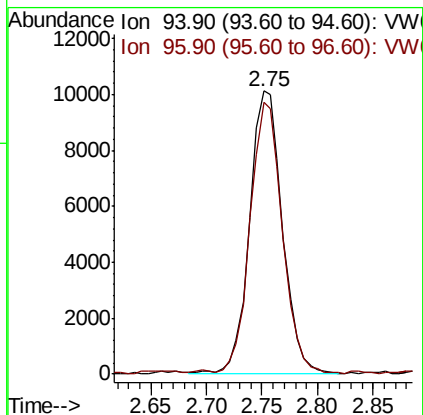
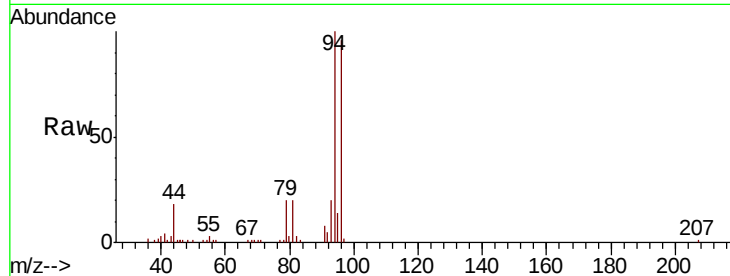
VW0523SBSD01

Tot Ion: 94 Resp: 20831

Ion Ratio Lower Upper

94 100

96 95.3 72.9 109.3



#6

Chloroethane

Concen: 16.170 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.00 min

Lab File: VW010527.D

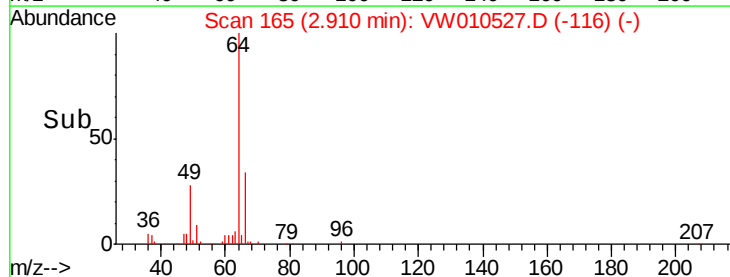
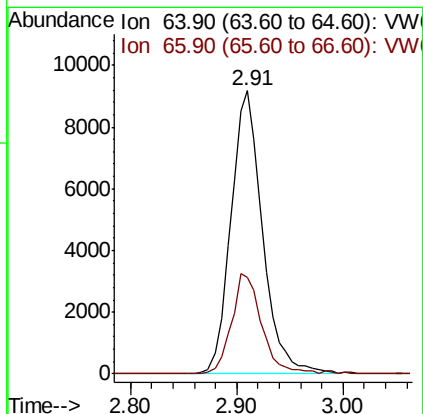
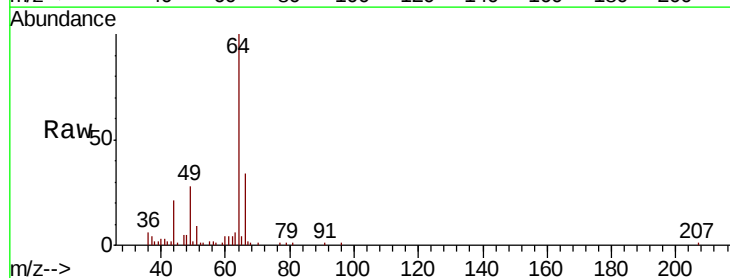
Acq: 23 May 2019 13:59

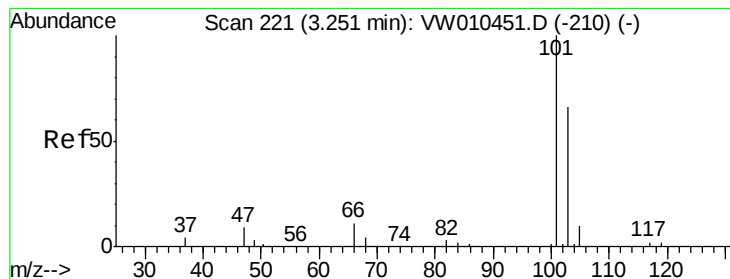
Tgt Ion: 64 Resp: 19059

Ion Ratio Lower Upper

64 100

66 34.2 25.5 38.3



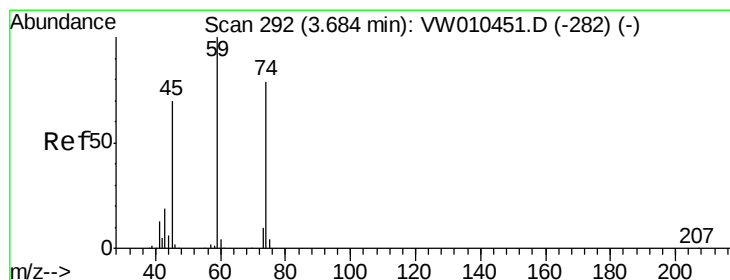
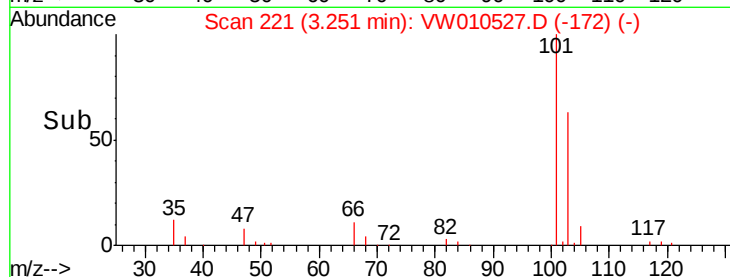
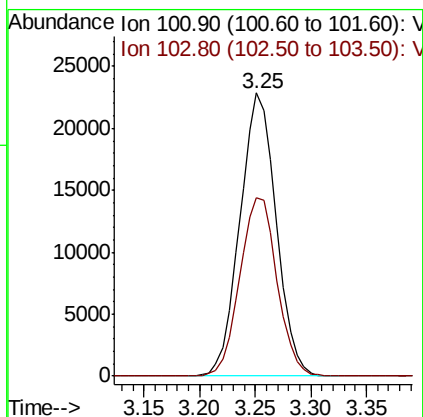
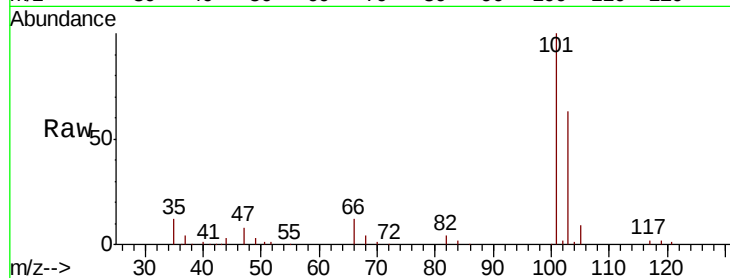


#7

Trichlorofluoromethane
Concen: 19.086 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW010527.D
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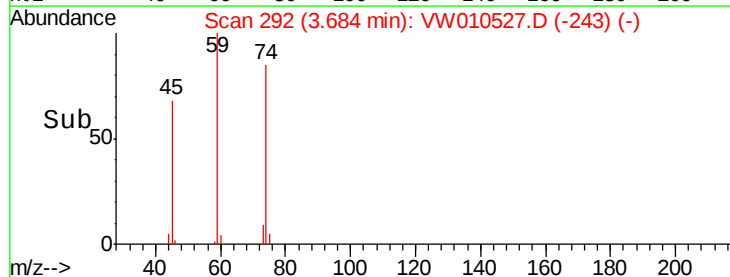
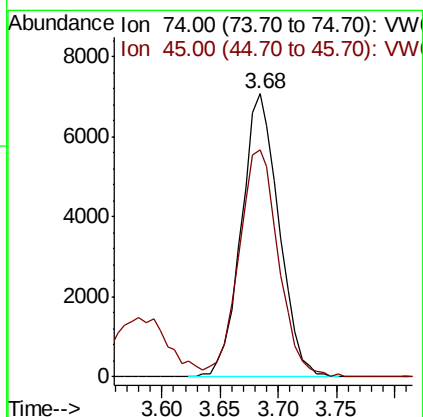
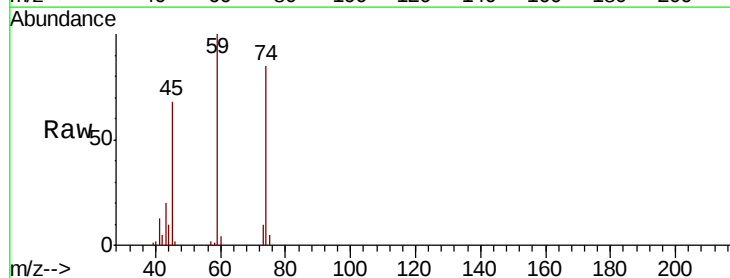
Tot Ion:101 Resp: 51738
Ion Ratio Lower Upper
101 100
103 62.9 53.0 79.4

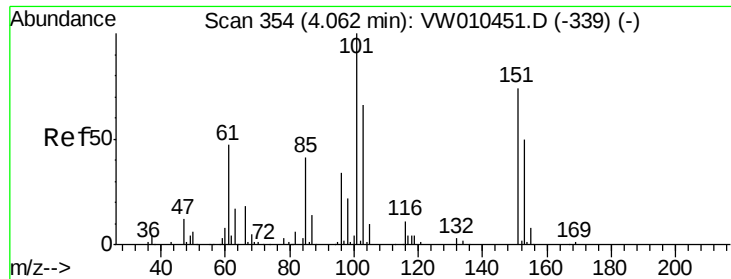


#8

Diethyl Ether
Concen: 18.500 ug/l
RT: 3.68 min Scan# 292
Delta R.T. -0.00 min
Lab File: VW010527.D
Acq: 23 May 2019 13:59

Tgt Ion: 74 Resp: 15897
Ion Ratio Lower Upper
74 100
45 84.7 42.9 128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.290 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW010527.D

Acq: 23 May 2019 13:59

Instrument :

MSVOA_W

ClientSampleId :

VW0523SBS01

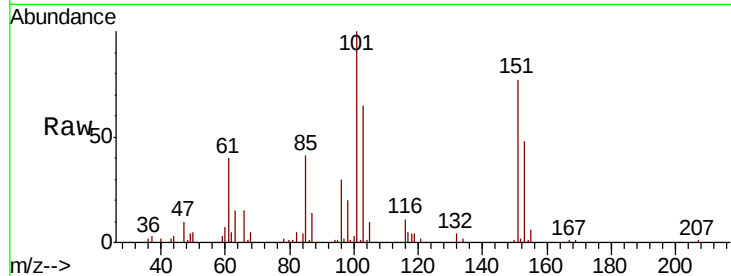
Tot Ion:101 Resp: 32204

Ion Ratio Lower Upper

101 100

85 43.4 34.3 51.5

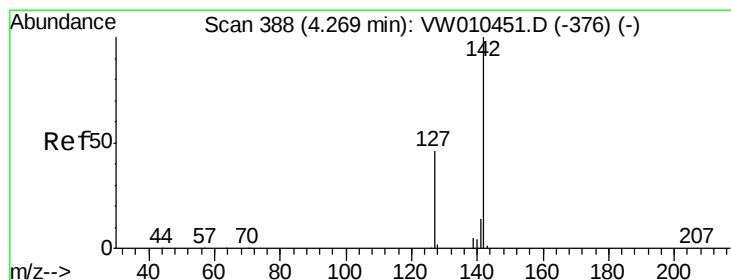
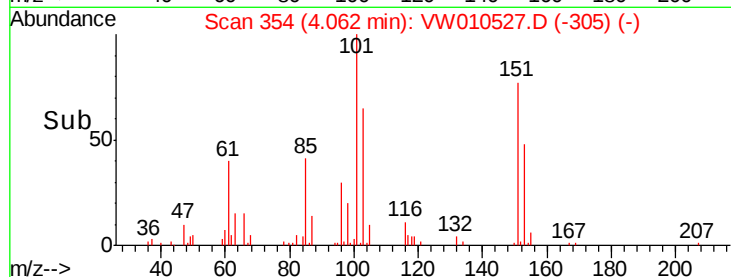
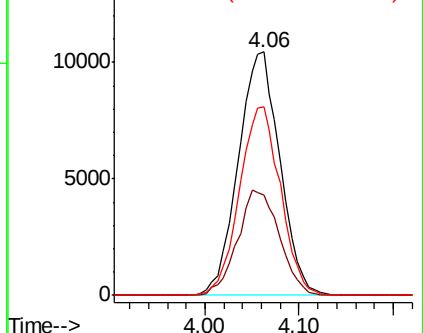
151 76.3 60.3 90.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.907 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.01 min

Lab File: VW010527.D

Acq: 23 May 2019 13:59

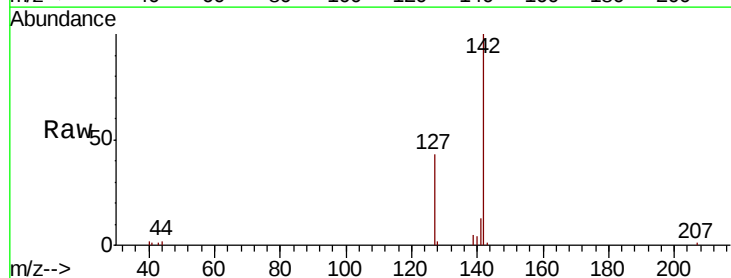
Tgt Ion:142 Resp: 30354

Ion Ratio Lower Upper

142 100

127 43.3 36.1 54.1

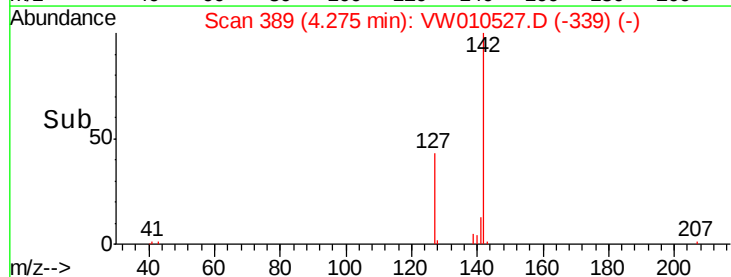
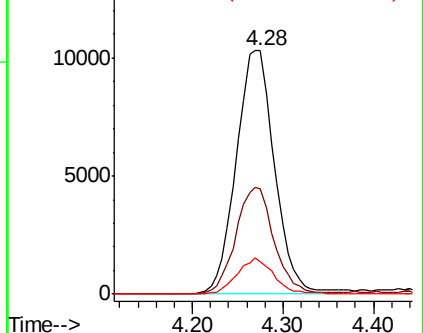
141 13.9 11.3 16.9

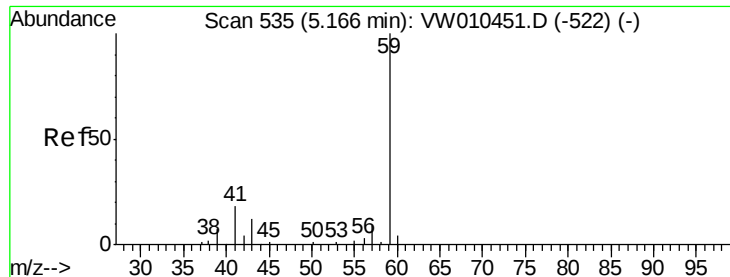


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

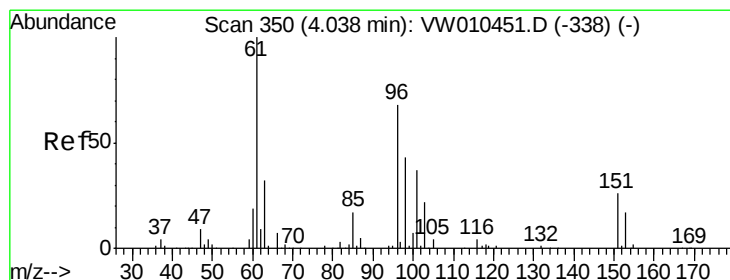
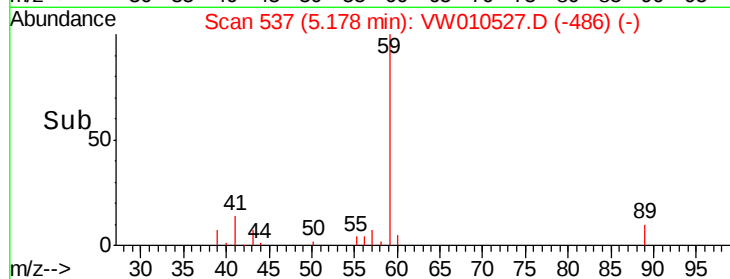
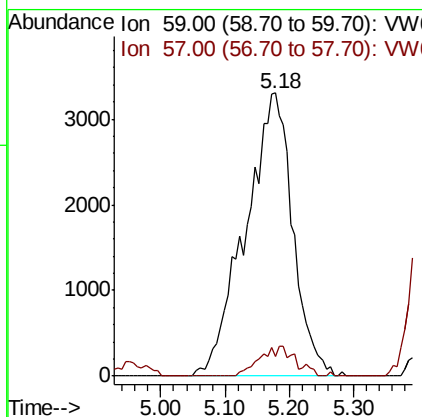
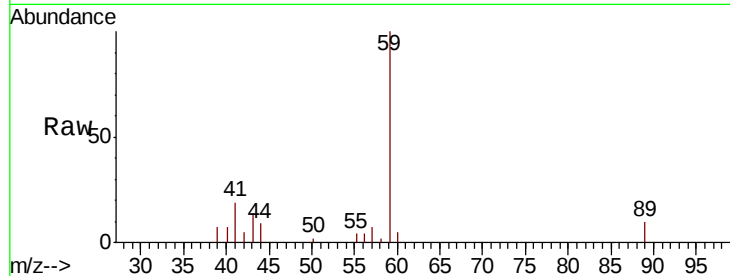




#11
Tert butyl alcohol
Concen: 120.329 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW010527.D
Acq: 23 May 2019 13:59

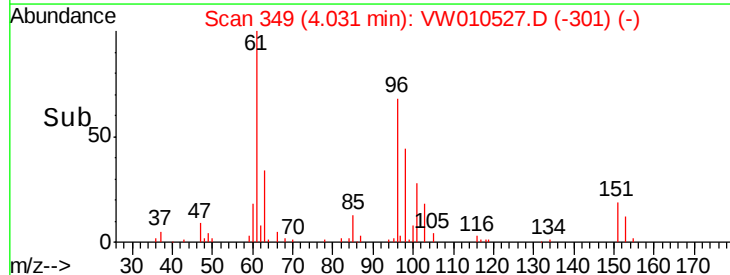
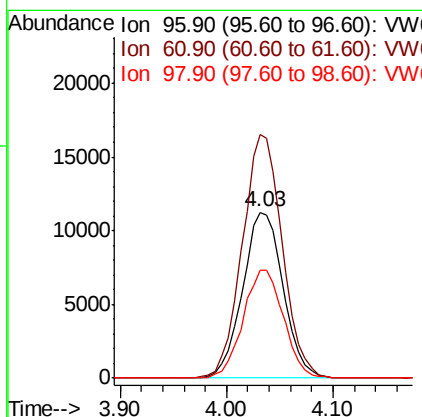
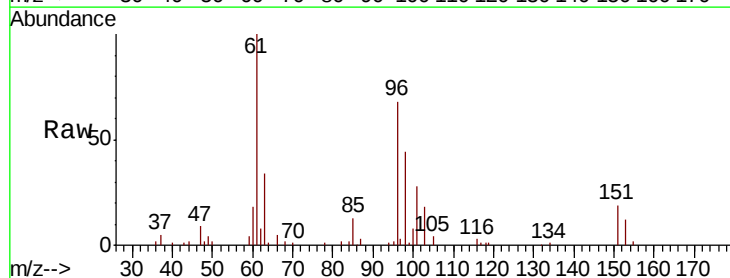
Instrument :
MSVOA_W
ClientSampleId :
VW0523SBSD01

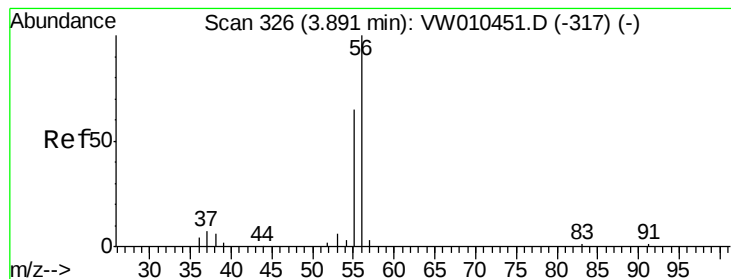
Tot Ion: 59 Resp: 16855
Ion Ratio Lower Upper
59 100
57 7.2 8.8 13.2#



#12
1,1-Dichloroethene
Concen: 18.817 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW010527.D
Acq: 23 May 2019 13:59

Tgt Ion: 96 Resp: 29987
Ion Ratio Lower Upper
96 100
61 146.6 118.3 177.5
98 64.8 51.0 76.6





#13

Acrolein

Concen: 100.018 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW010527.D

Acq: 23 May 2019 13:59

Instrument :

MSVOA_W

ClientSampleId :

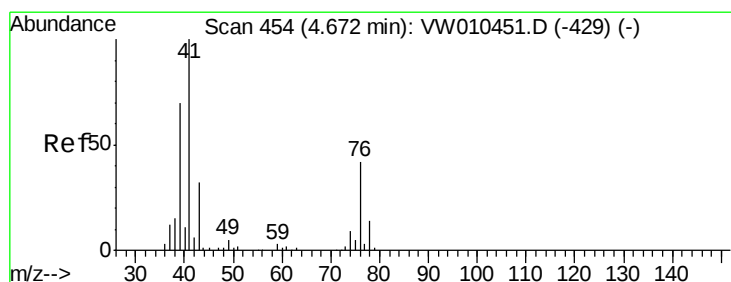
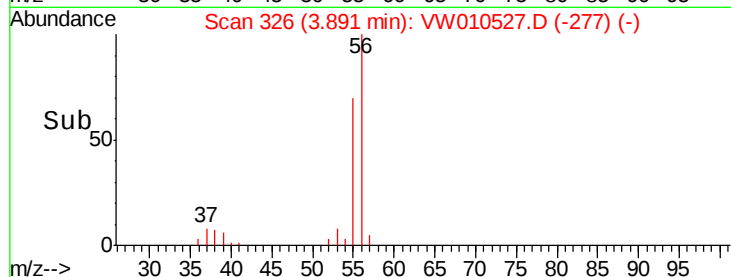
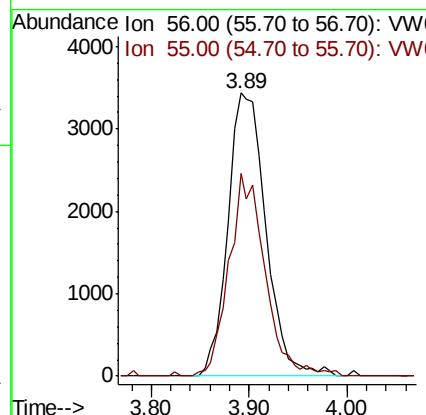
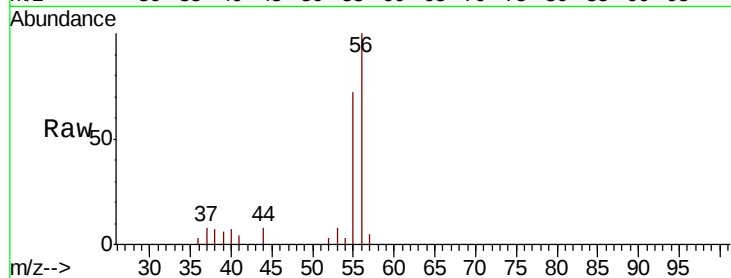
VW0523SBSD01

Tot Ion: 56 Resp: 9256

Ion Ratio Lower Upper

56 100

55 68.1 57.9 86.9



#14

Allyl chloride

Concen: 18.251 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW010527.D

Acq: 23 May 2019 13:59

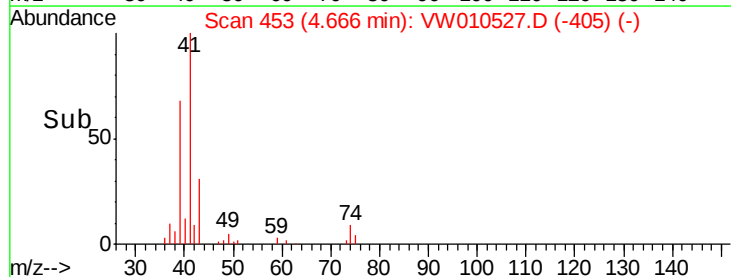
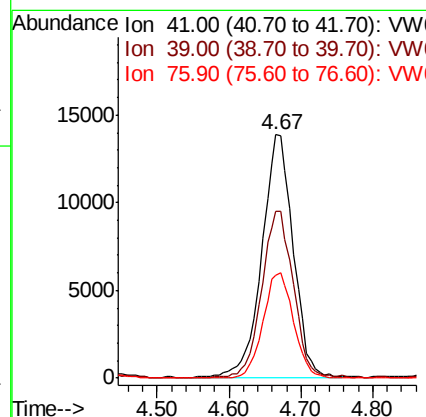
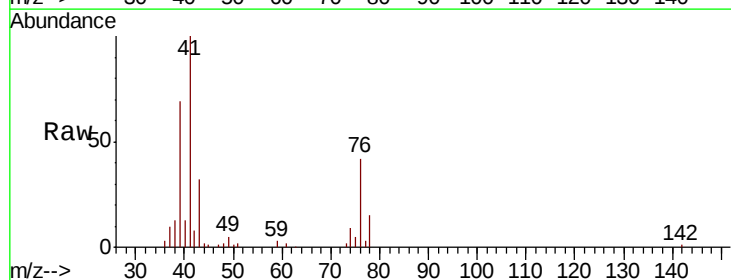
Tgt Ion: 41 Resp: 42101

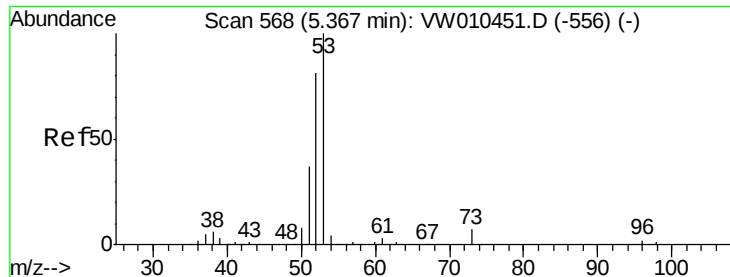
Ion Ratio Lower Upper

41 100

39 68.8 55.0 82.4

76 41.7 32.8 49.2





#15

Acrylonitrile

Concen: 85.462 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW010527.D

Acq: 23 May 2019 13:59

Instrument :

MSVOA_W

ClientSampleId :

VW0523SBSD01

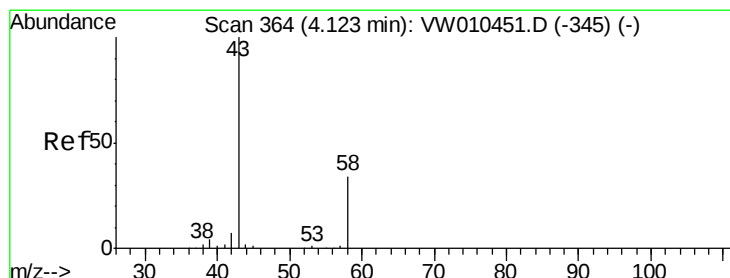
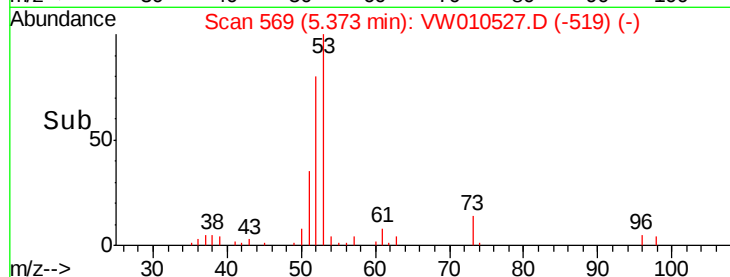
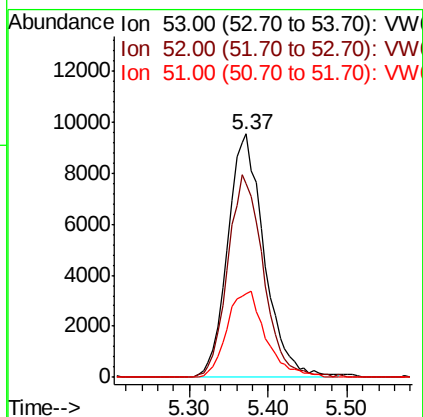
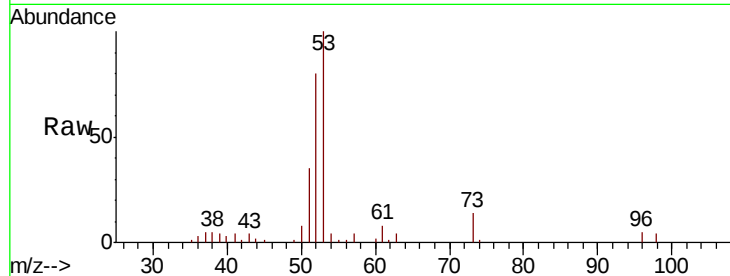
Tot Ion: 53 Resp: 30756

Ion Ratio Lower Upper

53 100

52 80.9 65.6 98.4

51 37.3 29.5 44.3



#16

Acetone

Concen: 100.056 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010527.D

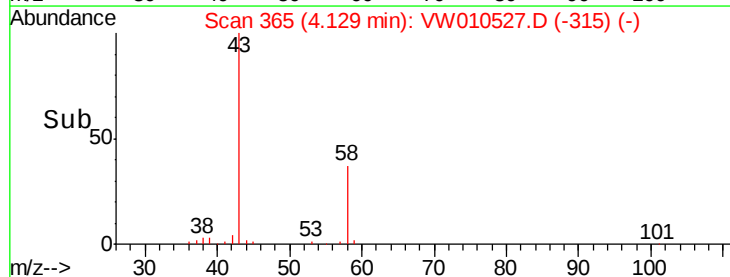
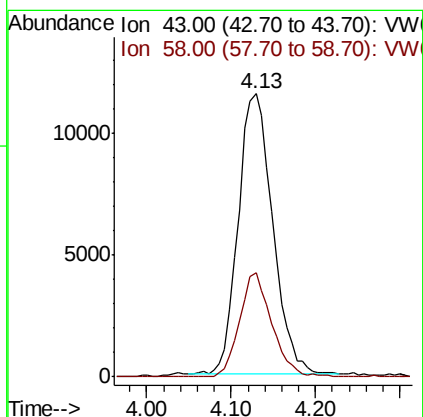
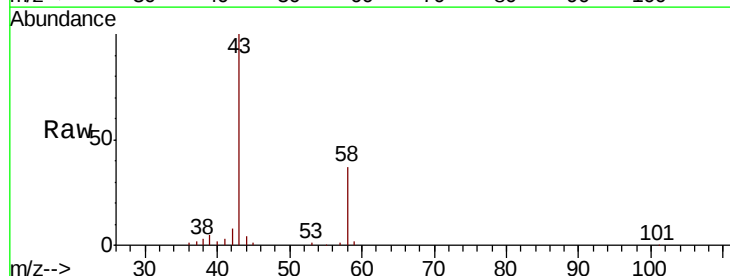
Acq: 23 May 2019 13:59

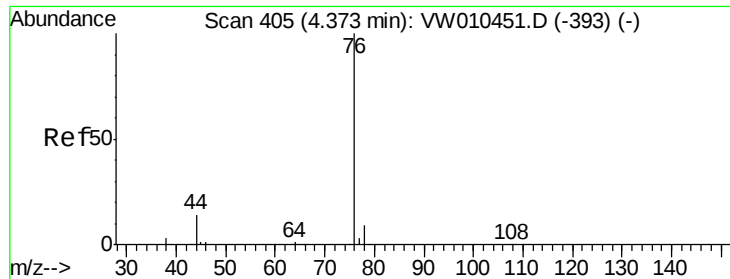
Tgt Ion: 43 Resp: 31805

Ion Ratio Lower Upper

43 100

58 37.3 27.0 40.4

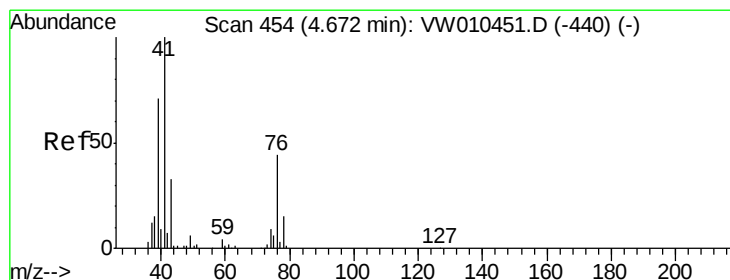
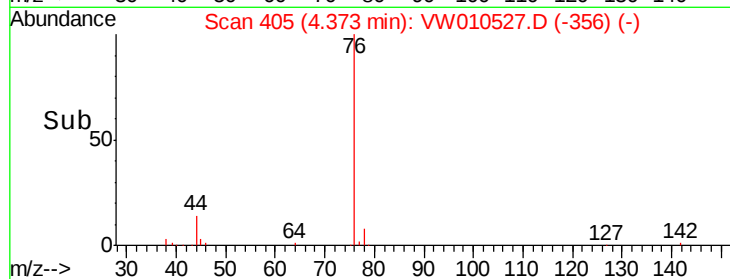
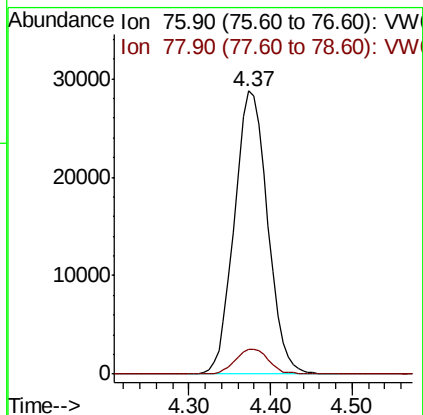
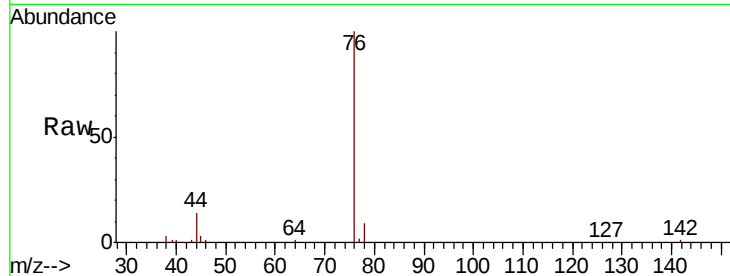




#17
Carbon Disulfide
Concen: 17.054 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010527.D
Acq: 23 May 2019 13:59

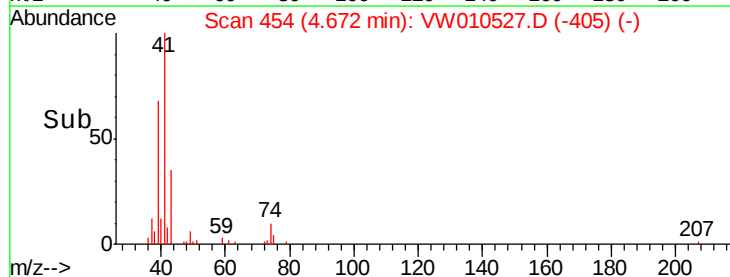
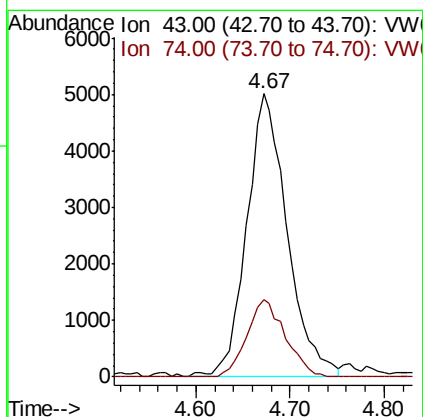
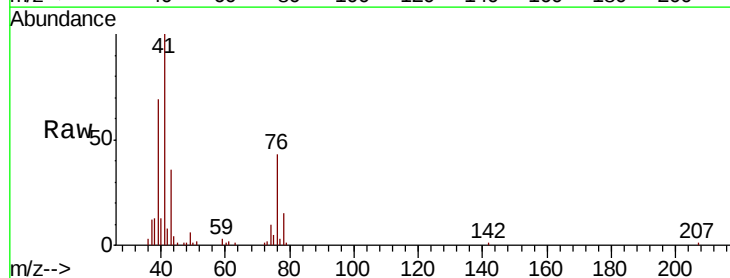
Instrument :
MSVOA_W
ClientSampleId :
VW0523SBSD01

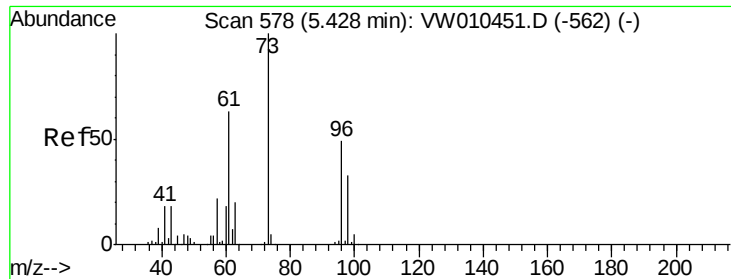
Tot Ion: 76 Resp: 81065
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7



#18
Methyl Acetate
Concen: 19.406 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010527.D
Acq: 23 May 2019 13:59

Tgt Ion: 43 Resp: 15087
Ion Ratio Lower Upper
43 100
74 25.9 21.6 32.4



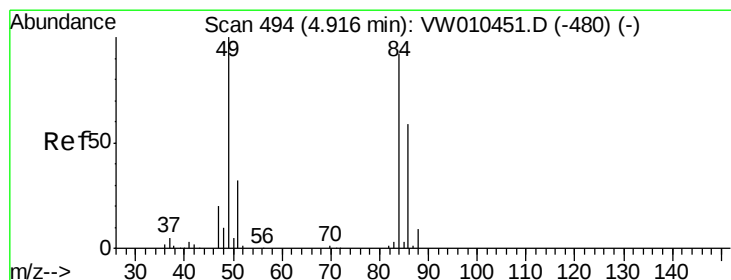
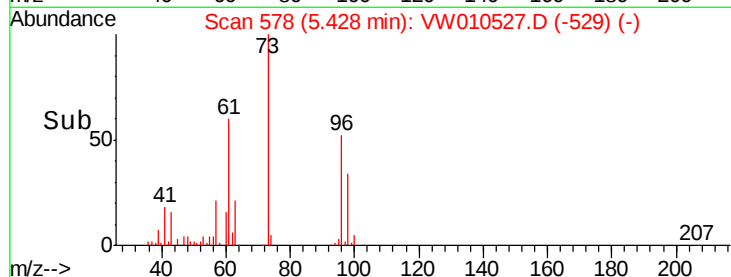
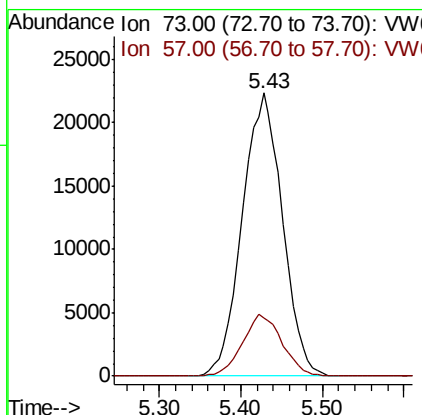
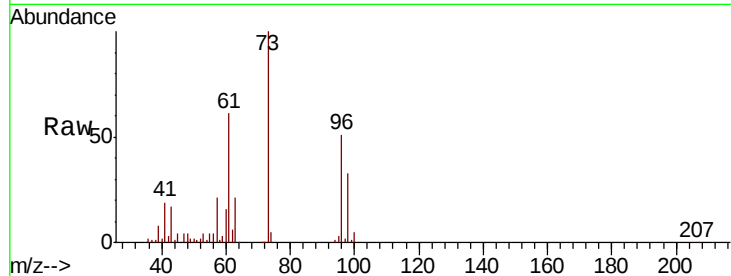


#19

Methyl tert-butyl Ether
 Concen: 18.815 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW010527.D
 Acq: 23 May 2019 13:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0523SBSD01

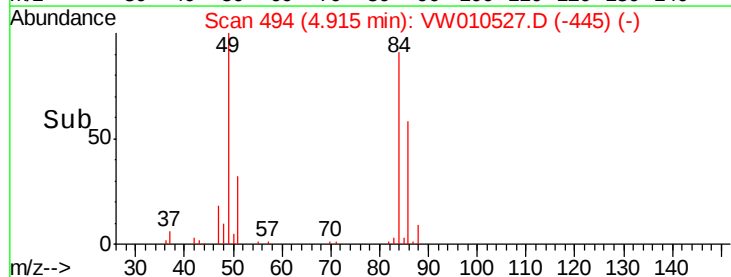
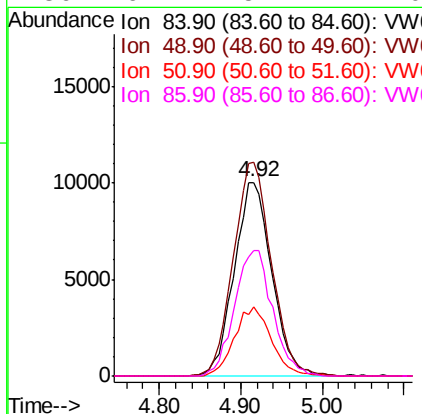
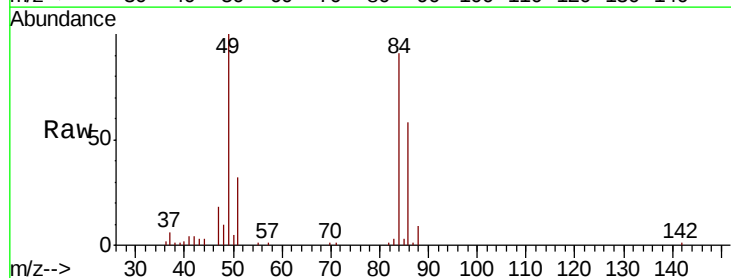
Tot Ion: 73 Resp: 76440
 Ion Ratio Lower Upper
 73 100
 57 20.7 17.4 26.0

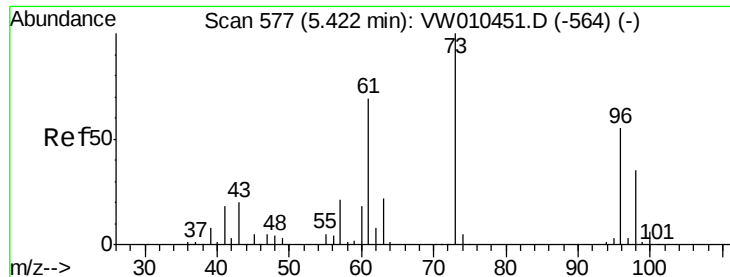


#20

Methylene Chloride
 Concen: 13.440 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW010527.D
 Acq: 23 May 2019 13:59

Tgt Ion: 84 Resp: 31983
 Ion Ratio Lower Upper
 84 100
 49 110.2 87.2 130.8
 51 35.4 27.7 41.5
 86 64.4 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 19.113 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010527.D

Acq: 23 May 2019 13:59

Instrument :

MSVOA_W

ClientSampleId :

VW0523SBSD01

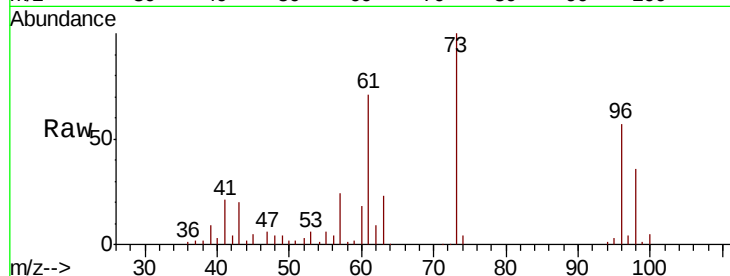
Tot Ion: 96 Resp: 34937

Ion Ratio Lower Upper

96 100

61 124.6 101.4 152.0

98 62.6 50.6 76.0

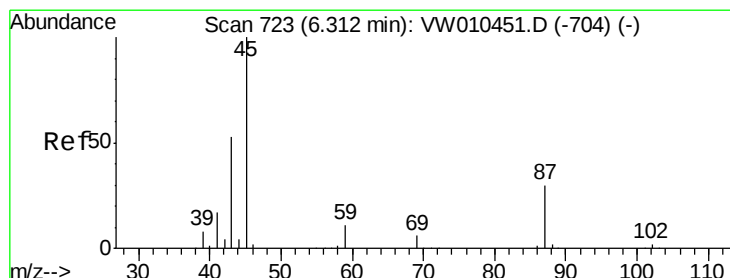
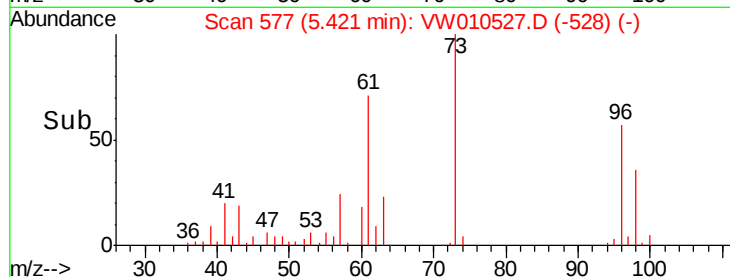
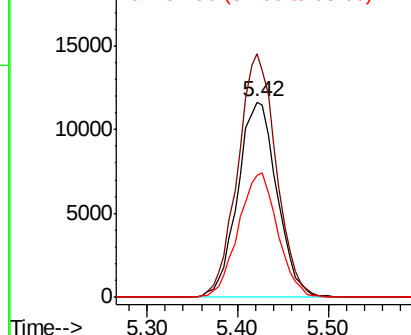


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 18.542 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010527.D

Acq: 23 May 2019 13:59

Tgt Ion: 45 Resp: 87703

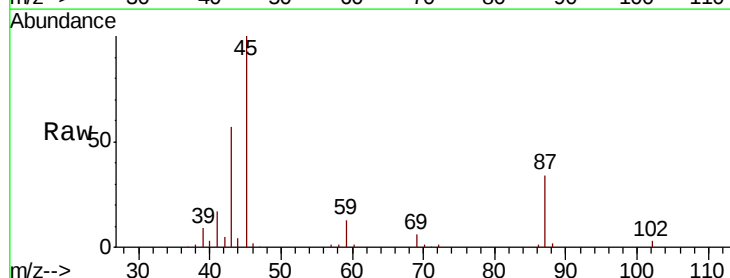
Ion Ratio Lower Upper

45 100

43 56.6 42.9 64.3

87 33.8 24.6 36.8

59 12.8 9.4 14.0



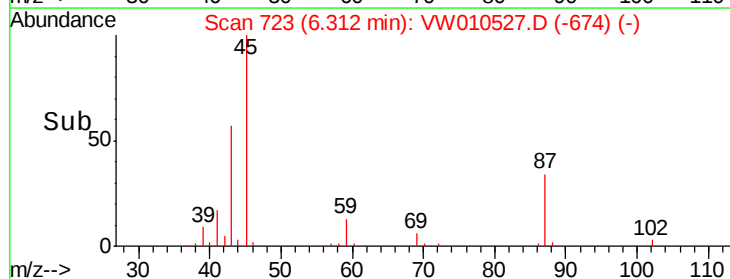
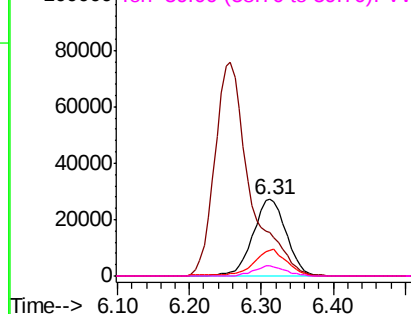
Abundance

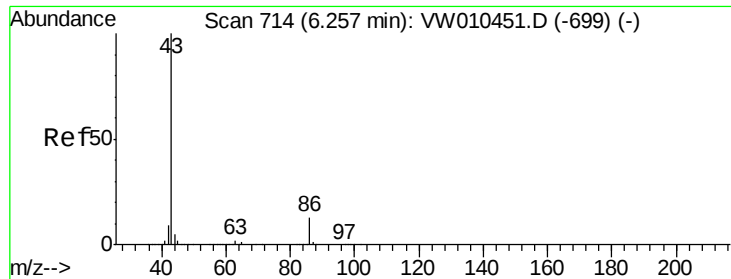
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 90.280 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW010527.D

Acq: 23 May 2019 13:59

Instrument :

MSVOA_W

ClientSampleId :

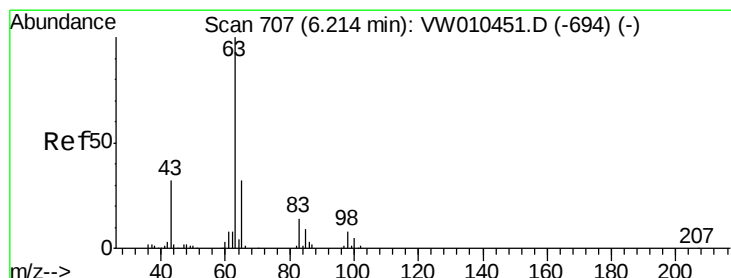
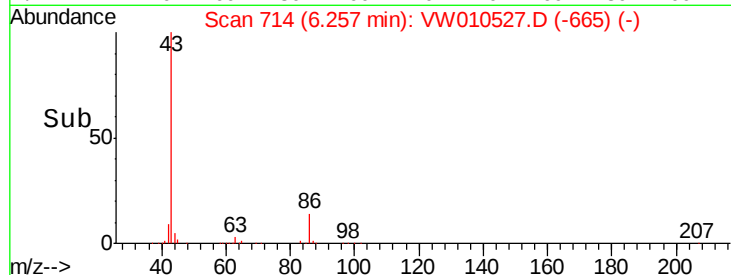
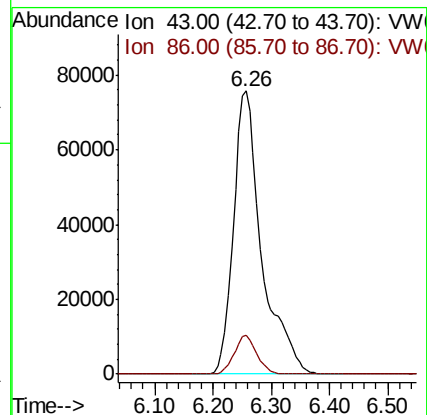
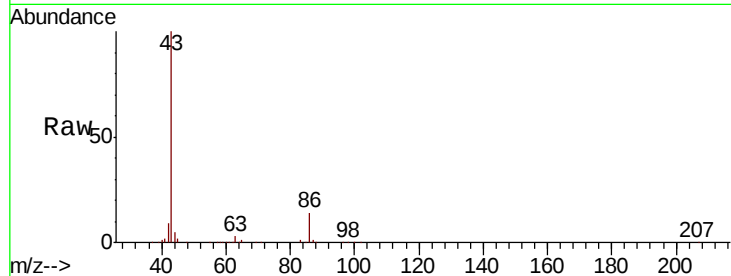
VW0523SBSD01

Tot Ion: 43 Resp: 255077

Ion Ratio Lower Upper

43 100

86 13.9 10.3 15.5



#24

1,1-Dichloroethane

Concen: 19.230 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010527.D

Acq: 23 May 2019 13:59

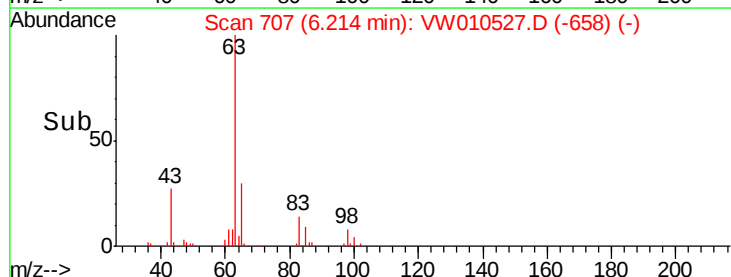
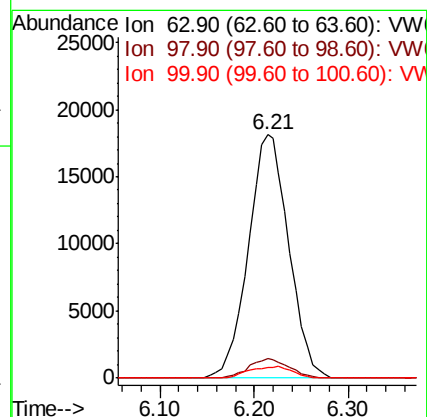
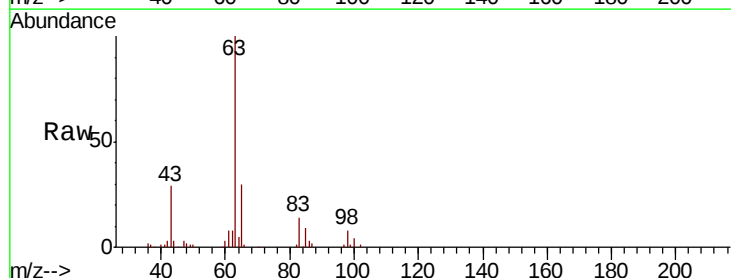
Tgt Ion: 63 Resp: 54279

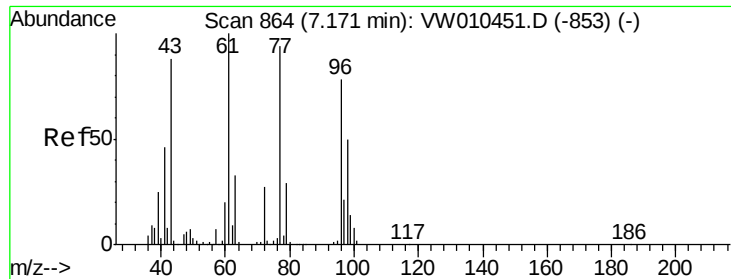
Ion Ratio Lower Upper

63 100

98 8.3 3.8 11.2

100 4.4 2.5 7.4





#25

2-Butanone

Concen: 97.517 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010527.D

Acq: 23 May 2019 13:59

Instrument :

MSVOA_W

ClientSampleId :

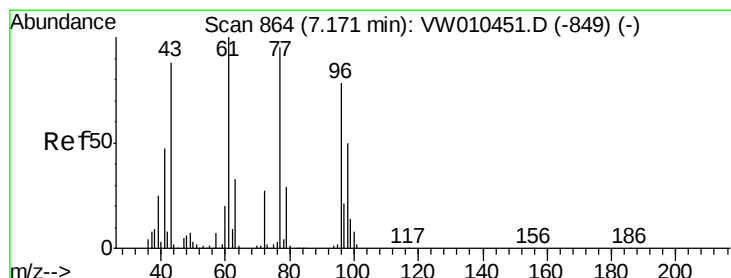
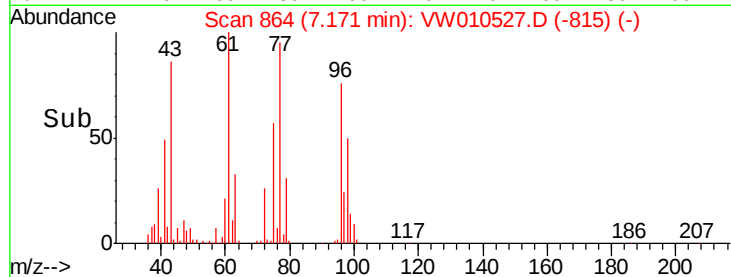
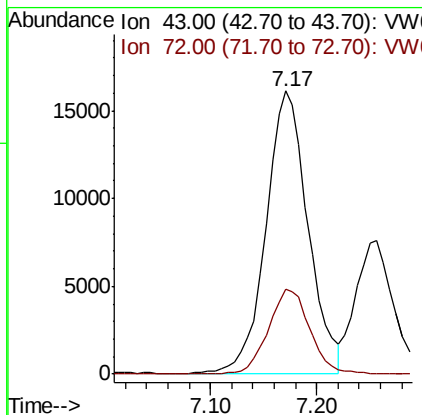
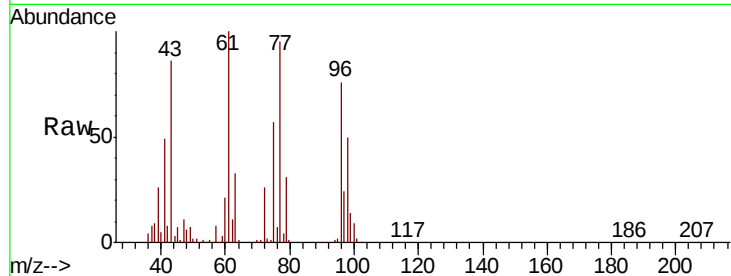
VW0523SBS01

Tot Ion: 43 Resp: 44361

Ion Ratio Lower Upper

43 100

72 29.8 24.1 36.1



#26

2,2-Dichloropropane

Concen: 20.934 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010527.D

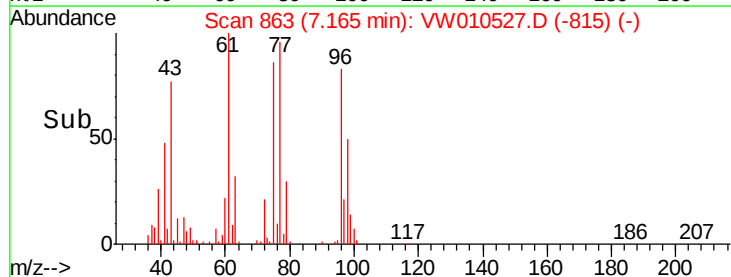
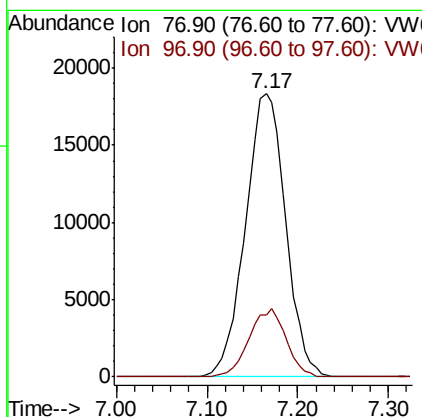
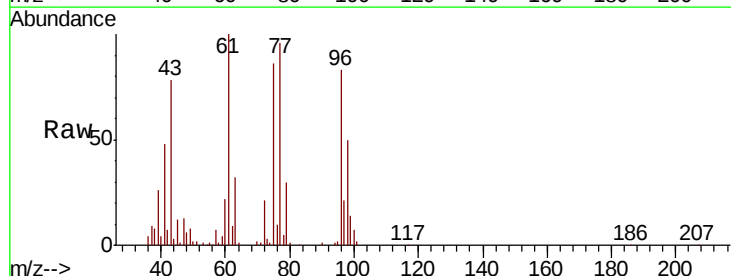
Acq: 23 May 2019 13:59

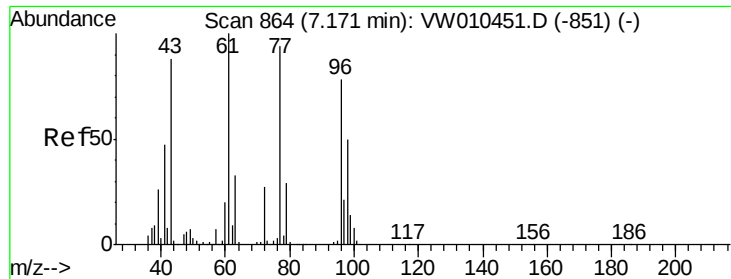
Tgt Ion: 77 Resp: 56286

Ion Ratio Lower Upper

77 100

97 22.2 11.7 35.0



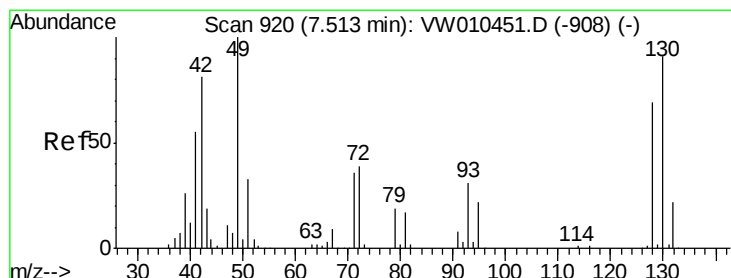
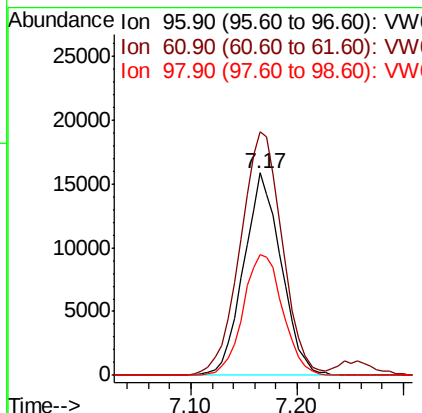
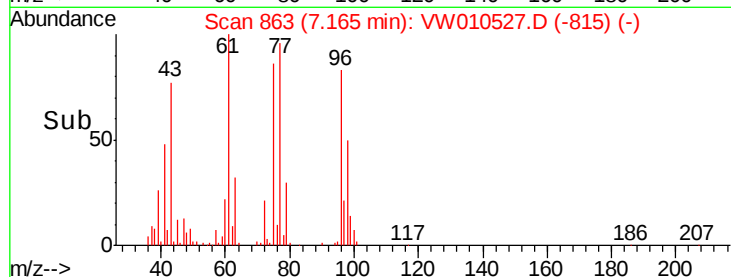
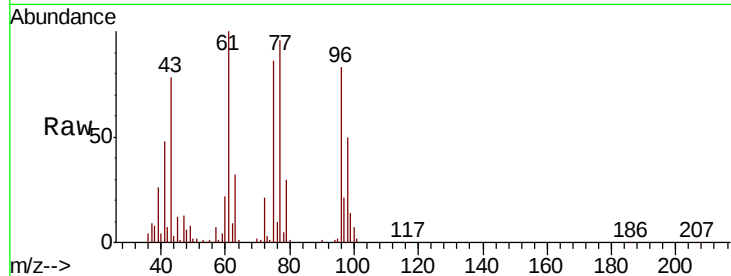


#27

cis-1,2-Dichloroethene
Concen: 19.753 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW010527.D
Acq: 23 May 2019 13:59

Instrument :
MSVOA_W
ClientSampleId :
VW0523SBSD01

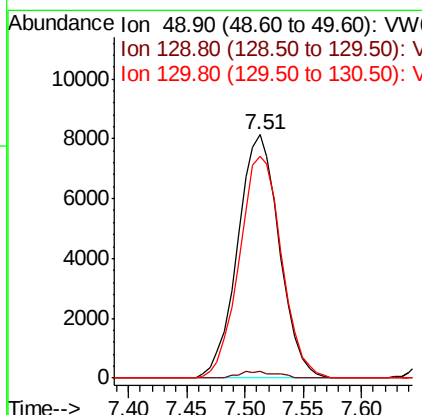
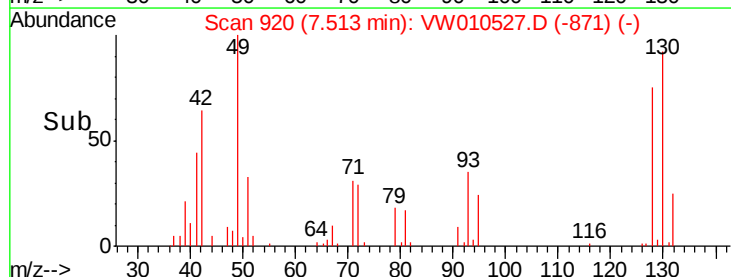
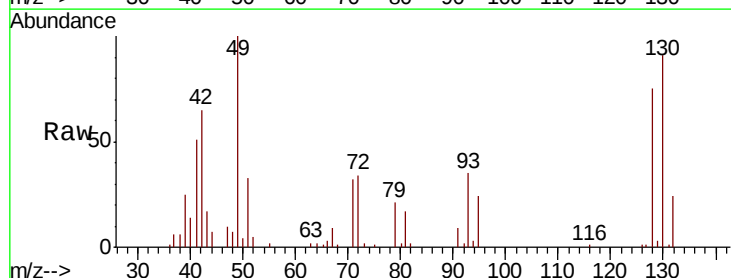
Tot Ion: 96 Resp: 39255
Ion Ratio Lower Upper
96 100
61 134.1 0.0 265.4
98 63.1 0.0 129.4

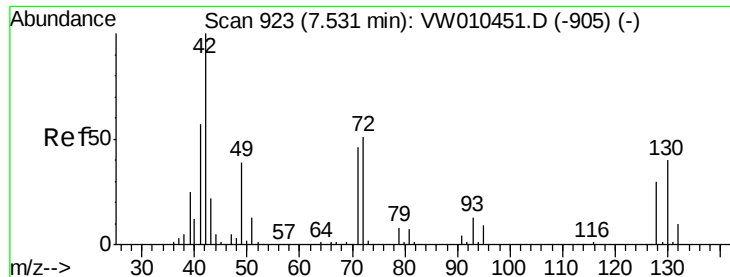


#28

Bromochloromethane
Concen: 20.107 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW010527.D
Acq: 23 May 2019 13:59

Tgt Ion: 49 Resp: 20320
Ion Ratio Lower Upper
49 100
129 2.4 0.0 4.8
130 92.3 71.2 106.8

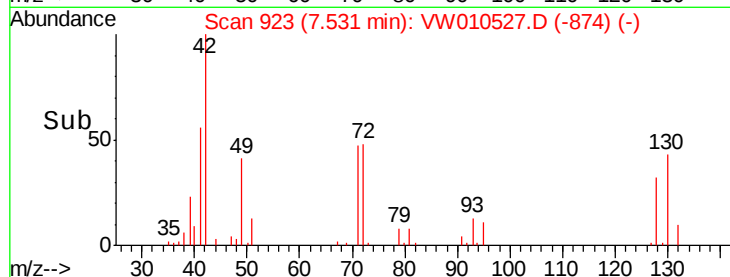
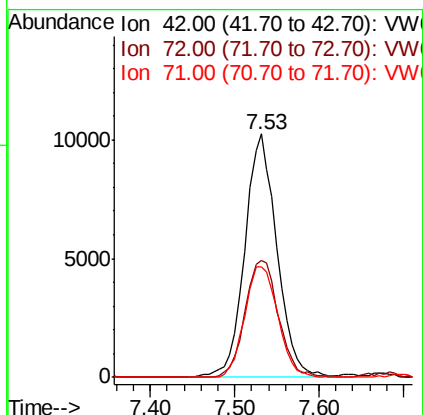
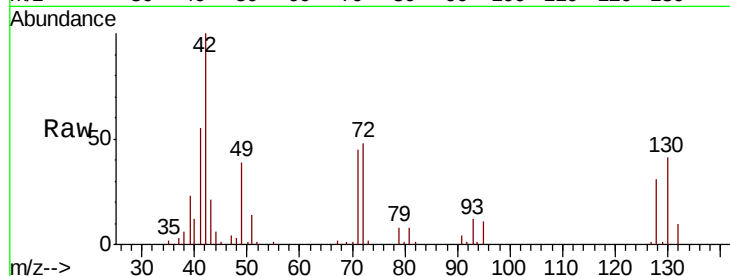




#29
Tetrahydrofuran
Concen: 85.949 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010527.D
Acq: 23 May 2019 13:59

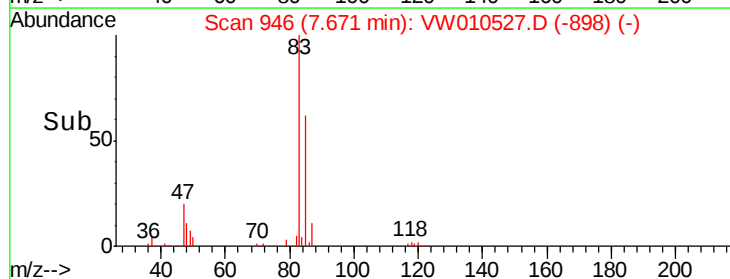
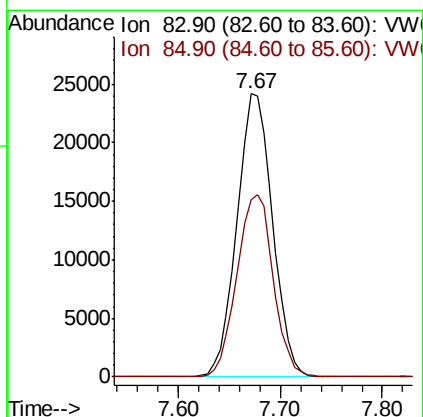
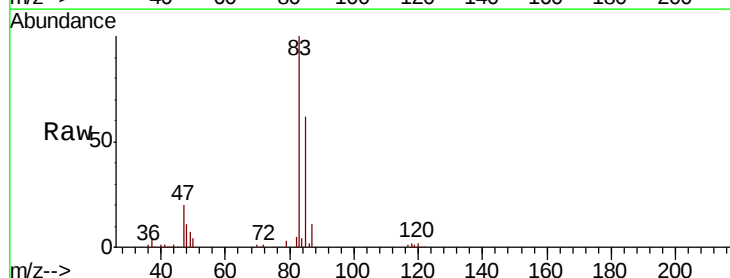
Instrument :
MSVOA_W
ClientSampleId :
VW0523SBSD01

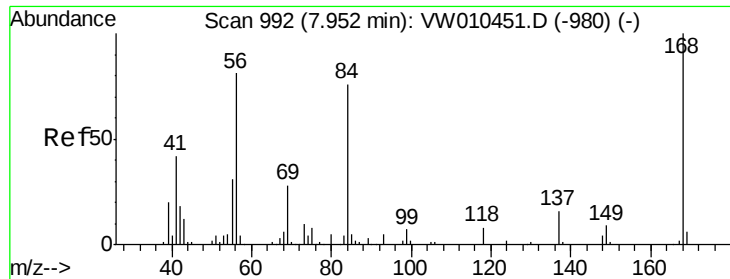
Tot Ion: 42 Resp: 26457
Ion Ratio Lower Upper
42 100
72 49.8 38.5 57.7
71 47.0 36.5 54.7



#30
Chloroform
Concen: 19.292 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW010527.D
Acq: 23 May 2019 13:59

Tgt Ion: 83 Resp: 58737
Ion Ratio Lower Upper
83 100
85 62.4 52.2 78.4

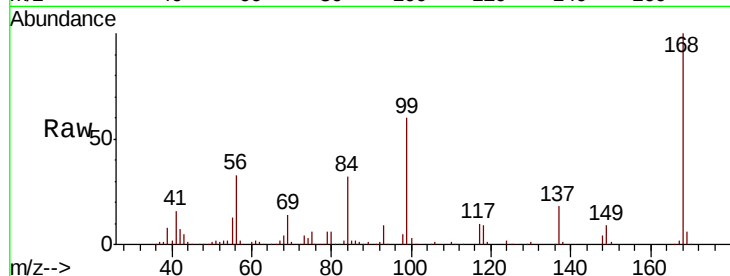




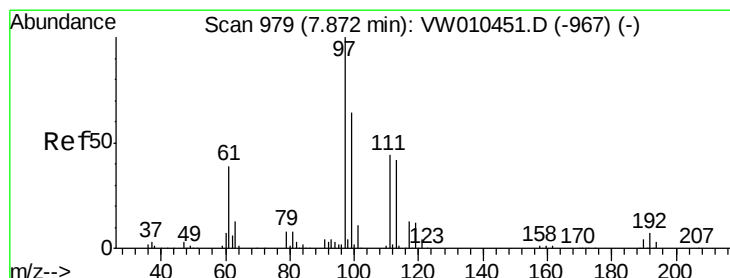
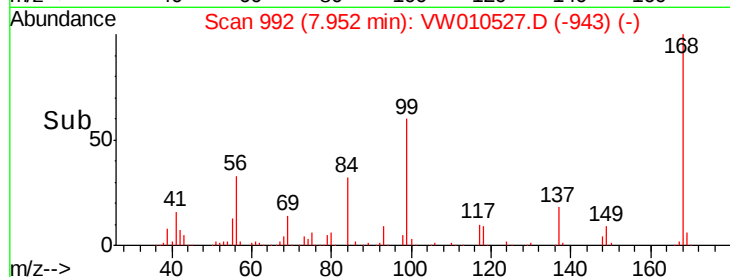
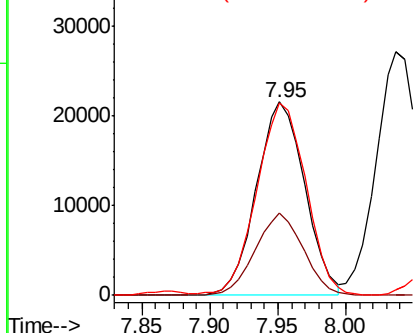
#31
Cyclohexane
Concen: 18.138 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010527.D
Acq: 23 May 2019 13:59

Instrument :
MSVOA_W
ClientSampleId :
VW0523SBSD01

Tot Ion: 56 Resp: 53629
Ion Ratio Lower Upper
56 100
69 42.8 28.2 42.2#
84 98.2 75.8 113.8

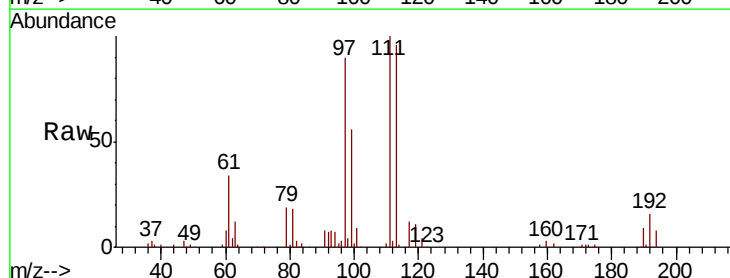


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

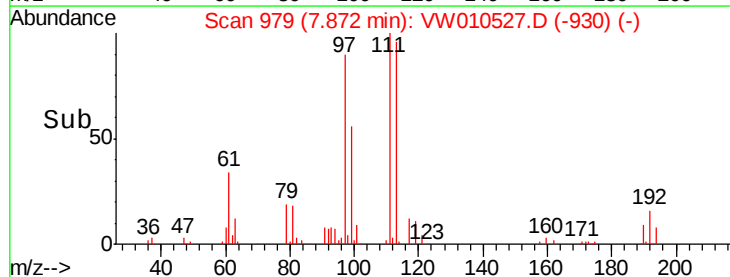
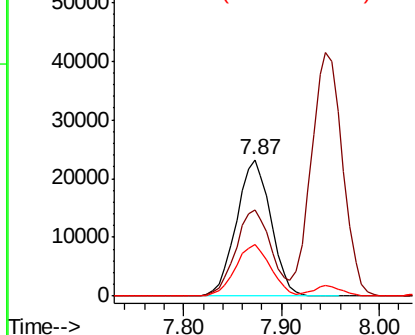


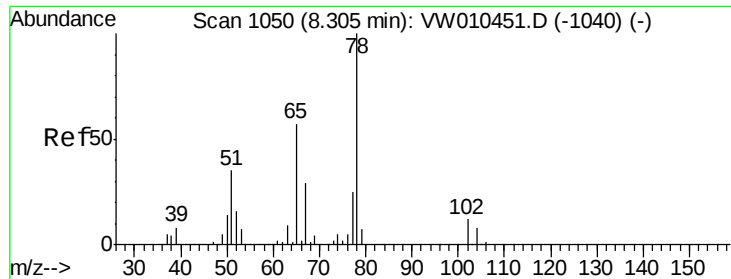
#32
1,1,1-Trichloroethane
Concen: 19.491 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010527.D
Acq: 23 May 2019 13:59

Tgt Ion: 97 Resp: 56718
Ion Ratio Lower Upper
97 100
99 65.5 50.8 76.2
61 38.5 32.1 48.1



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





#33

1,2-Dichloroethane-d4

Concen: 47.612 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010527.D

Acq: 23 May 2019 13:59

Instrument :

MSVOA_W

ClientSampleId :

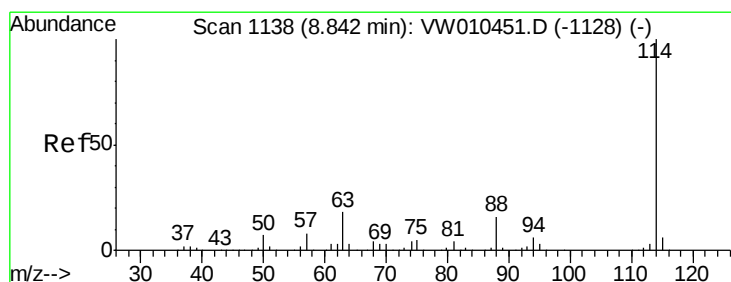
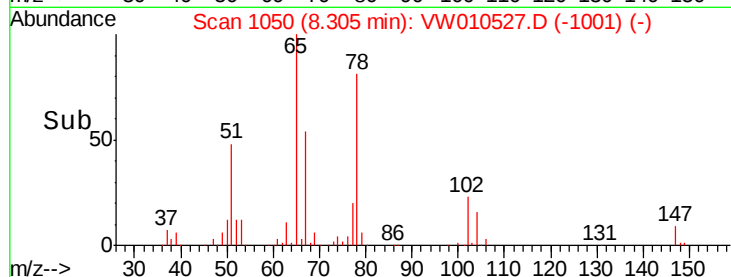
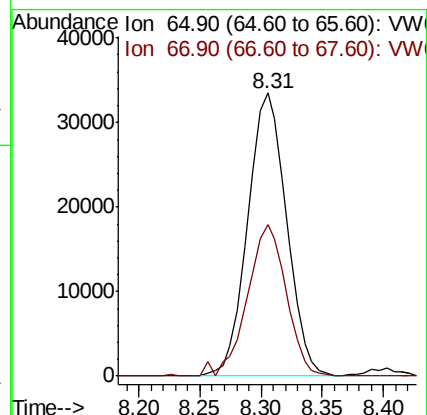
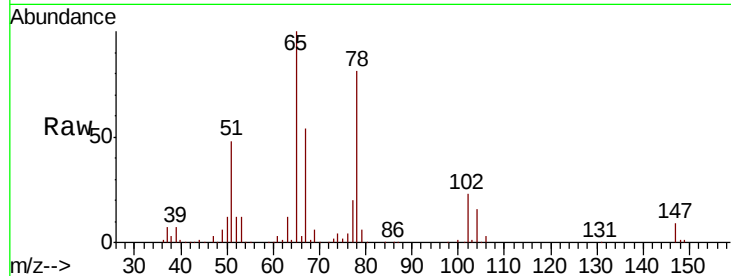
VW0523SBSD01

Tot Ion: 65 Resp: 74144

Ion Ratio Lower Upper

65 100

67 53.6 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: VW010527.D

Acq: 23 May 2019 13:59

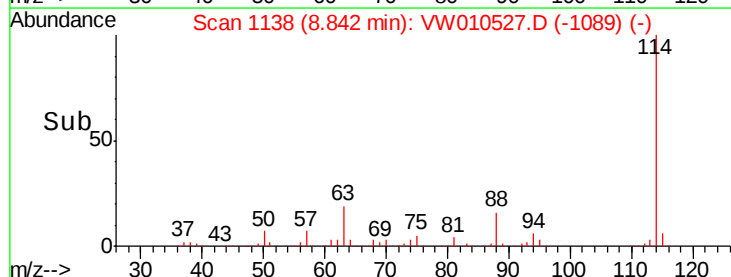
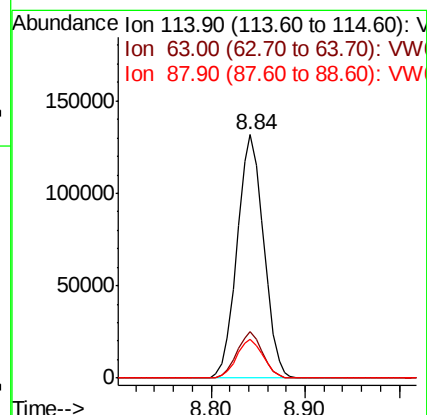
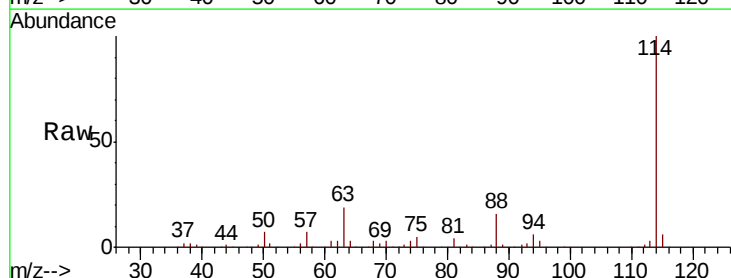
Tgt Ion: 114 Resp: 257280

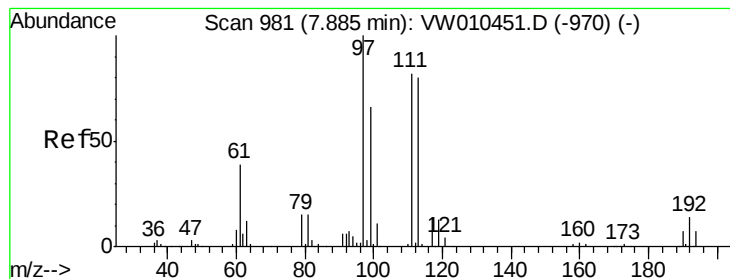
Ion Ratio Lower Upper

114 100

63 18.9 0.0 36.0

88 15.8 0.0 32.0





#35

Dibromofluoromethane

Concen: 49.760 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010527.D

Acq: 23 May 2019 13:59

Instrument :

MSVOA_W

ClientSampleId :

VW0523SBSD01

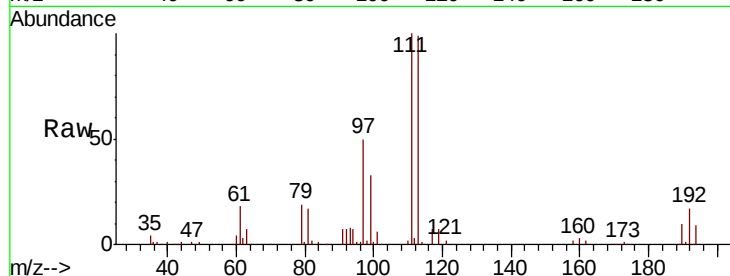
Tot Ion:113 Resp: 77681

Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.4

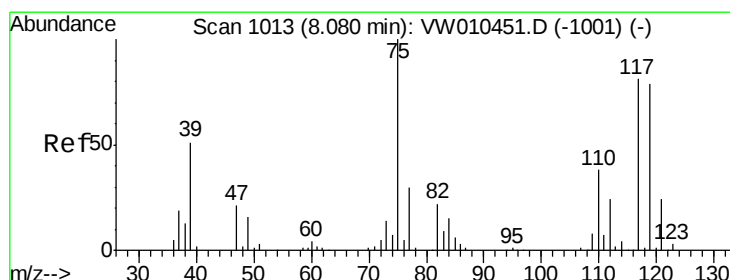
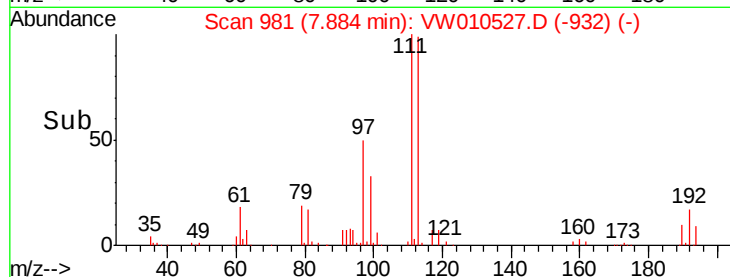
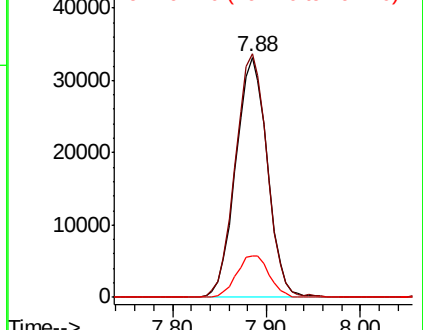
192 17.9 14.3 21.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.695 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VW010527.D

Acq: 23 May 2019 13:59

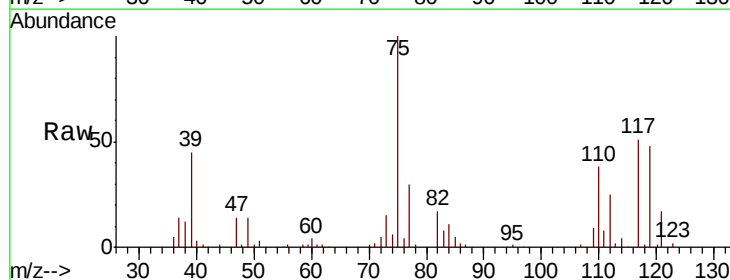
Tgt Ion: 75 Resp: 47202

Ion Ratio Lower Upper

75 100

110 38.5 19.2 57.6

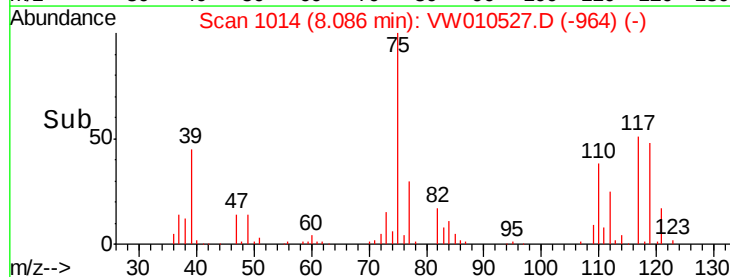
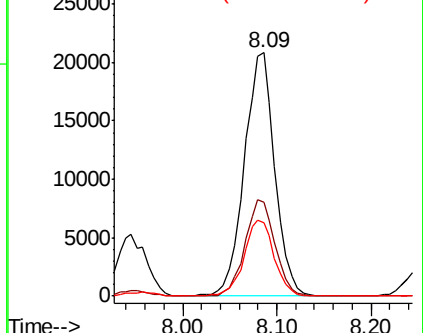
77 30.8 25.2 37.8

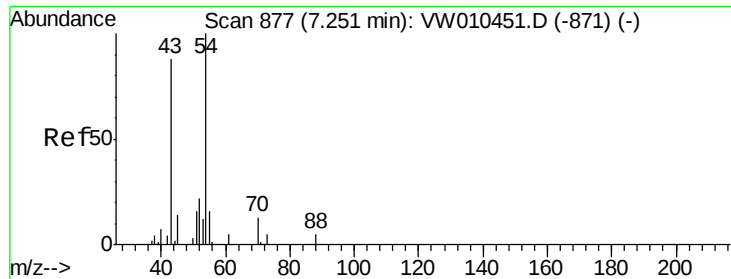


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

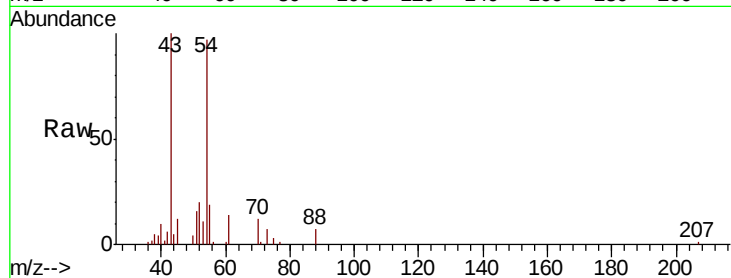




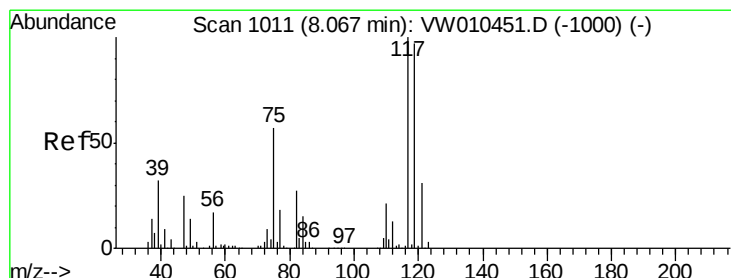
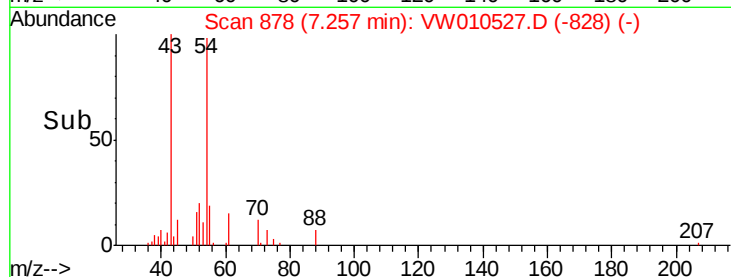
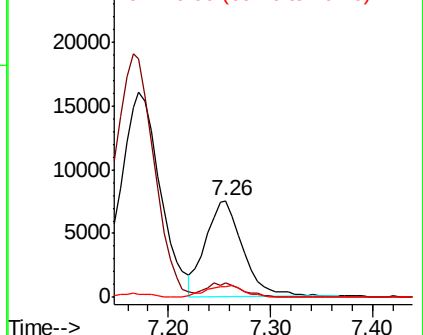
#37
Ethyl Acetate
Concen: 18.744 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW010527.D
Acq: 23 May 2019 13:59

Instrument :
MSVOA_W
ClientSampleId :
VW0523SBSD01

Tot Ion: 43 Resp: 19104
Ion Ratio Lower Upper
43 100
61 14.7 11.2 16.8
70 13.0 9.9 14.9

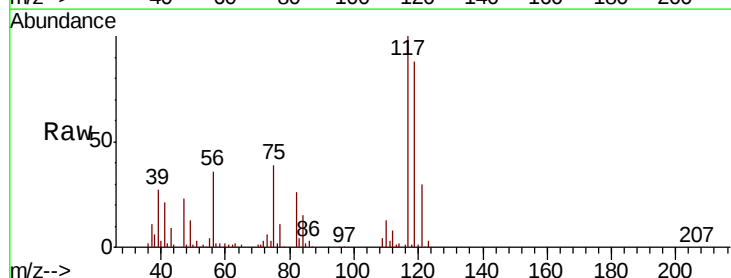


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

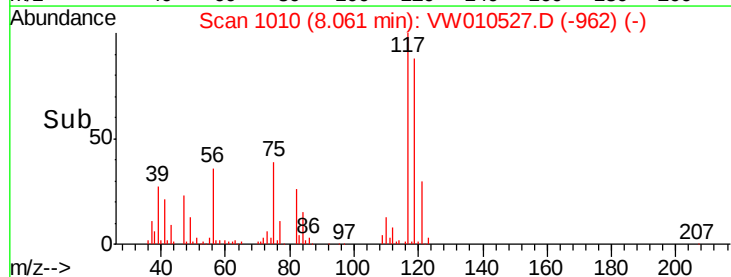
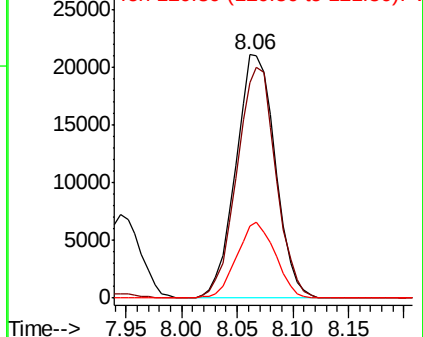


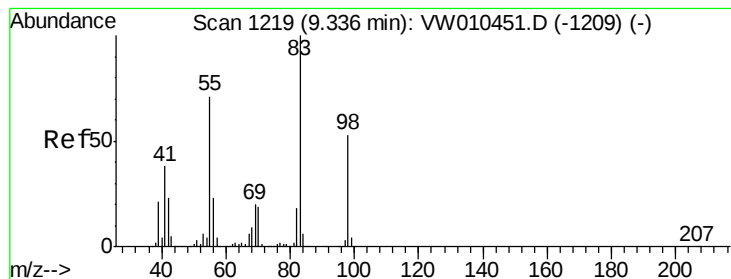
#38
Carbon Tetrachloride
Concen: 20.091 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW010527.D
Acq: 23 May 2019 13:59

Tgt Ion: 117 Resp: 51944
Ion Ratio Lower Upper
117 100
119 88.3 77.4 116.0
121 29.7 25.0 37.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





#39

Methvlcvclohexane

Concen: 19.395 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW010527.D

Acq: 23 May 2019 13:59

Instrument :

MSVOA_W

ClientSampleId :

VW0523SBSD01

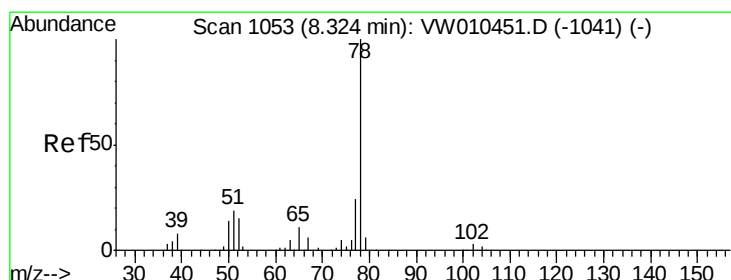
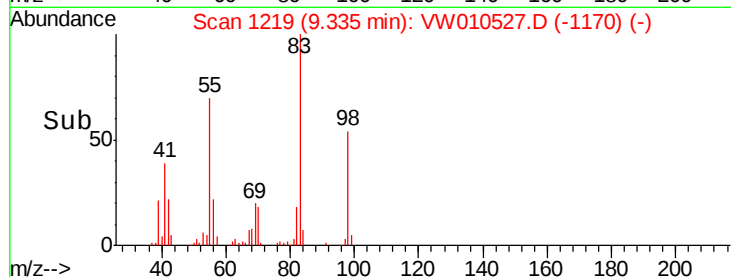
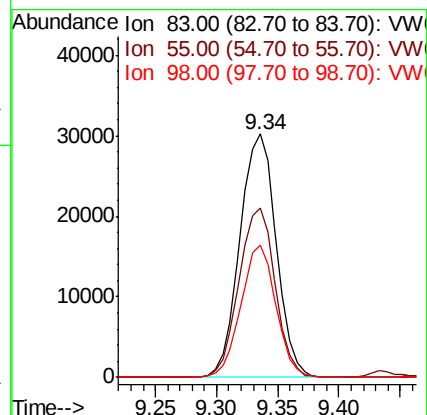
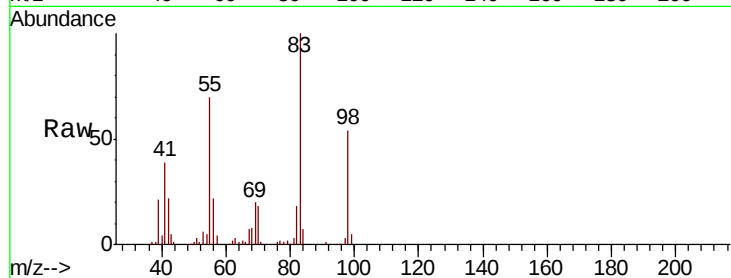
Tot Ion: 83 Resp: 62278

Ion Ratio Lower Upper

83 100

55 69.7 57.0 85.6

98 54.2 42.0 63.0



#40

Benzene

Concen: 19.624 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW010527.D

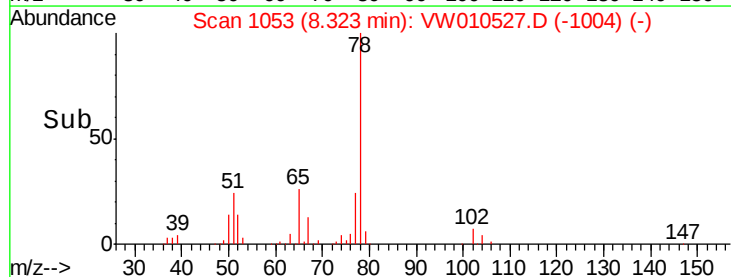
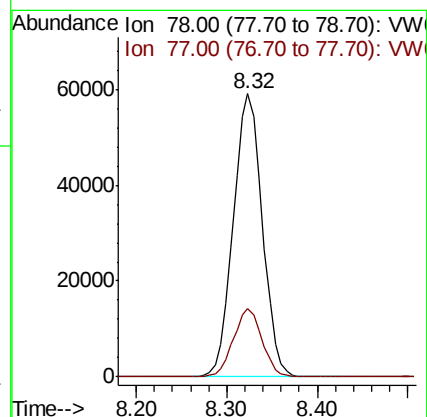
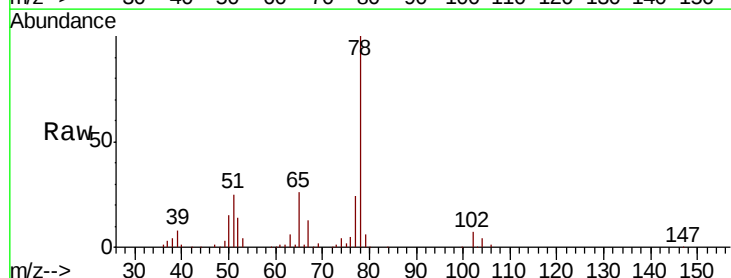
Acq: 23 May 2019 13:59

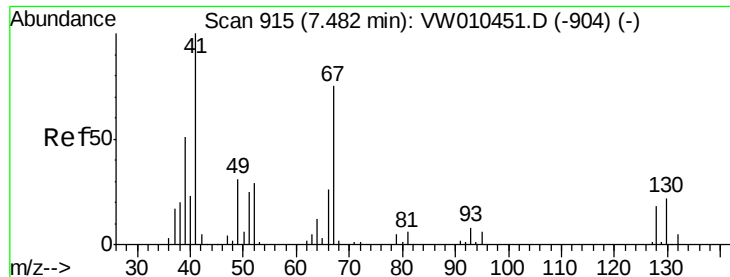
Tgt Ion: 78 Resp: 130726

Ion Ratio Lower Upper

78 100

77 24.1 18.9 28.3

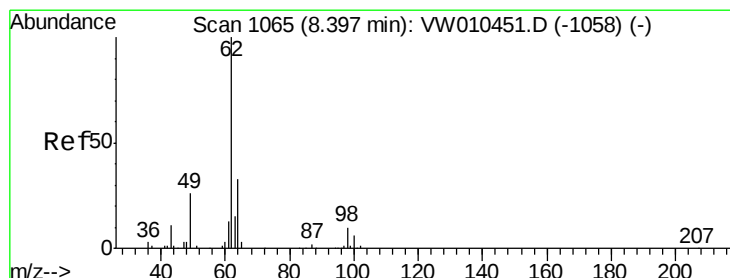
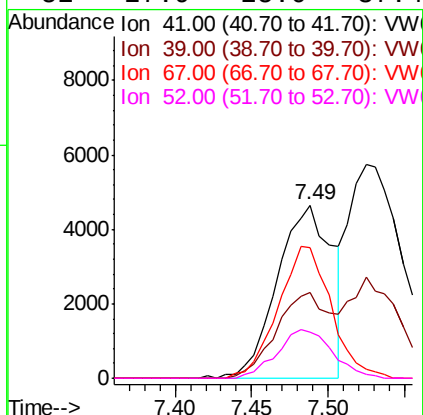
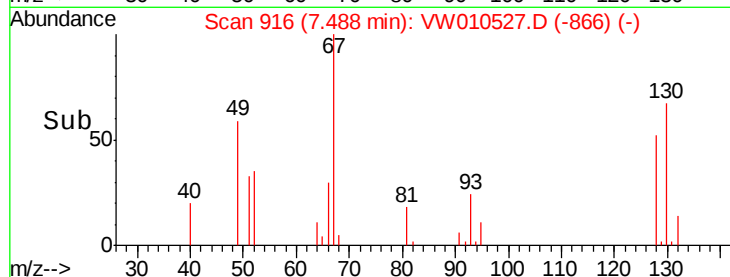
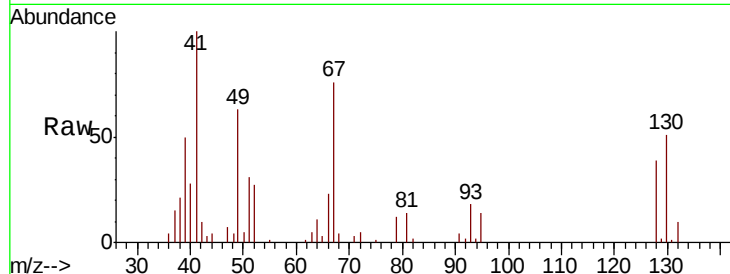




#41
Methacrylonitrile
Concen: 19.259 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW010527.D
Acq: 23 May 2019 13:59

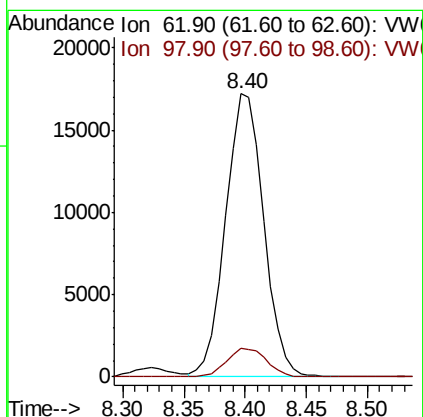
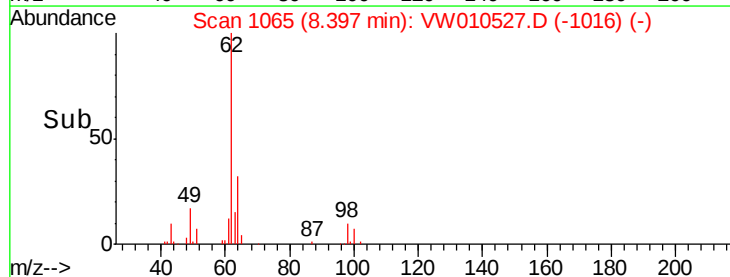
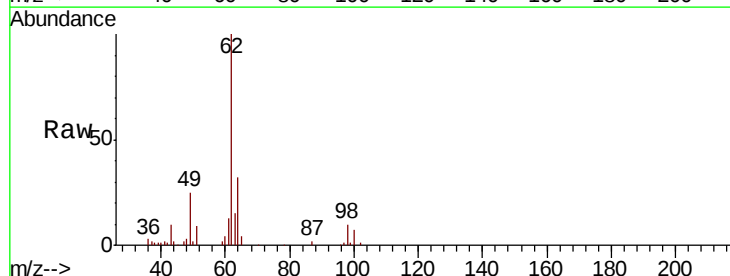
Instrument :
MSVOA_W
ClientSampleId :
VW0523SBSD01

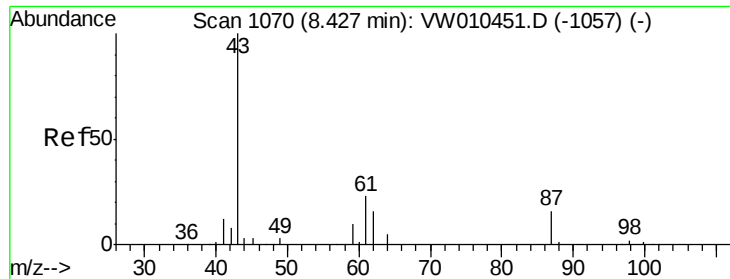
Tot Ion:	41	Resp:	11663
Ion	Ratio	Lower	Upper
41	100		
39	50.0	47.4	71.2
67	72.8	65.5	98.3
52	27.9	25.0	37.4



#42
1,2-Dichloroethane
Concen: 19.541 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010527.D
Acq: 23 May 2019 13:59

Tgt Ion:	62	Resp:	37205
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	21.0





#43

Isopropyl Acetate

Concen: 18.236 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010527.D

Acq: 23 May 2019 13:59

Instrument :

MSVOA_W

ClientSampleId :

VW0523SBS01

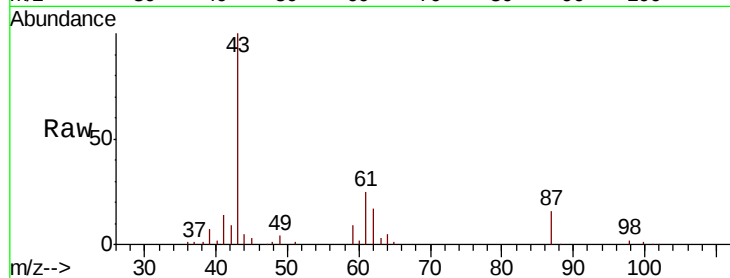
Tot Ion: 43 Resp: 37131

Ion Ratio Lower Upper

43 100

61 32.9 25.4 38.2

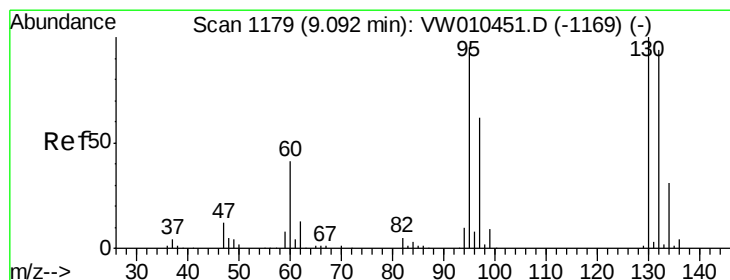
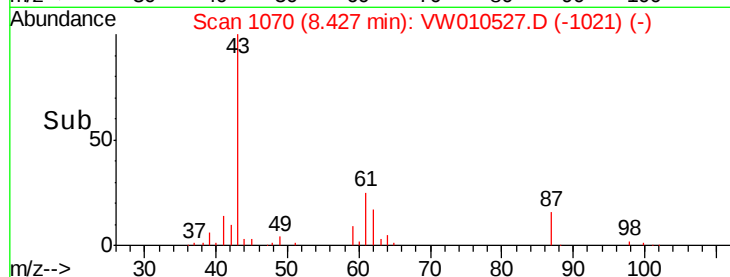
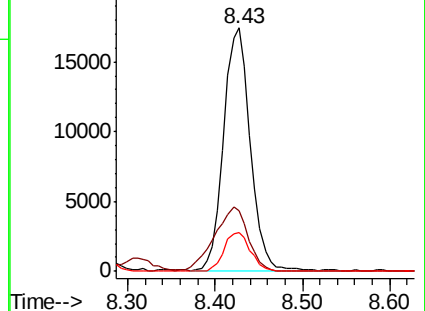
87 15.6 12.7 19.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 19.849 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010527.D

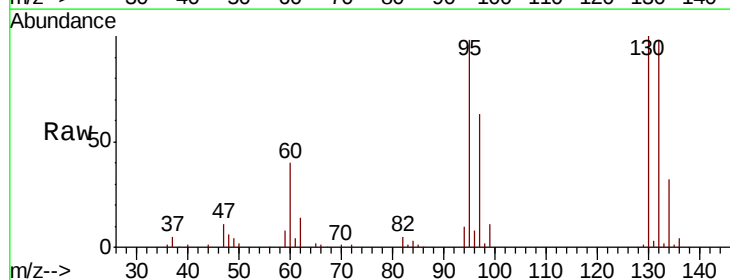
Acq: 23 May 2019 13:59

Tgt Ion: 130 Resp: 39255

Ion Ratio Lower Upper

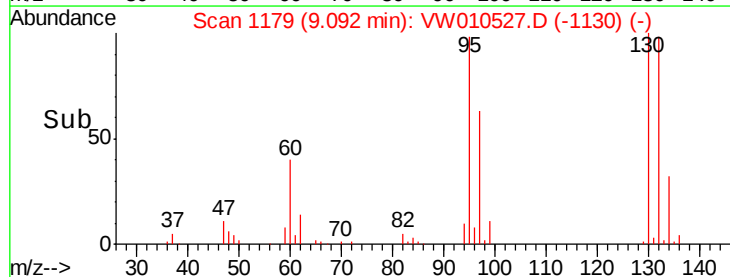
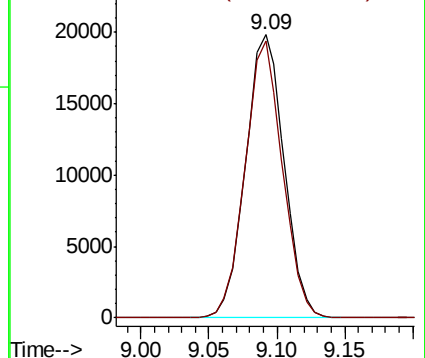
130 100

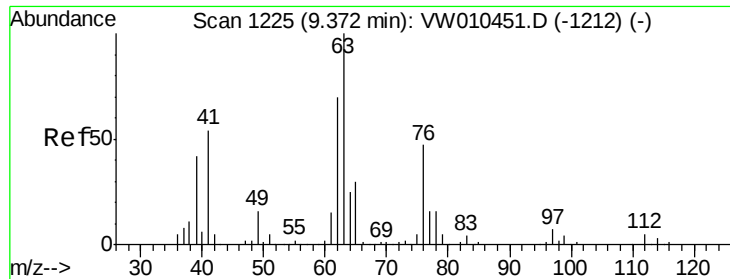
95 98.0 0.0 189.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 19.559 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW010527.D

Acq: 23 May 2019 13:59

Instrument :

MSVOA_W

ClientSampleId :

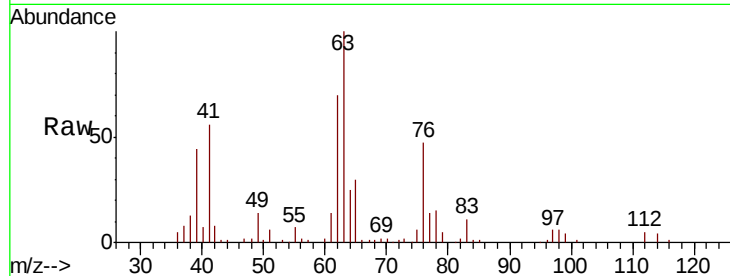
VW0523SBS01

Tot Ion: 63 Resp: 30944

Ion Ratio Lower Upper

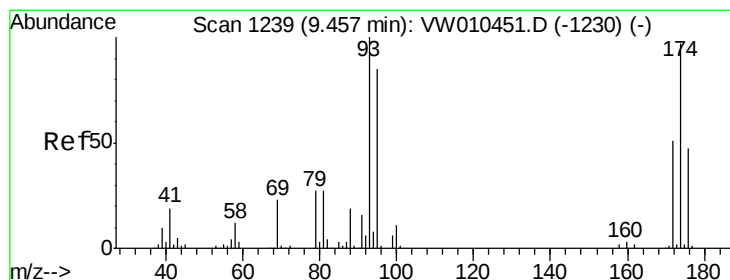
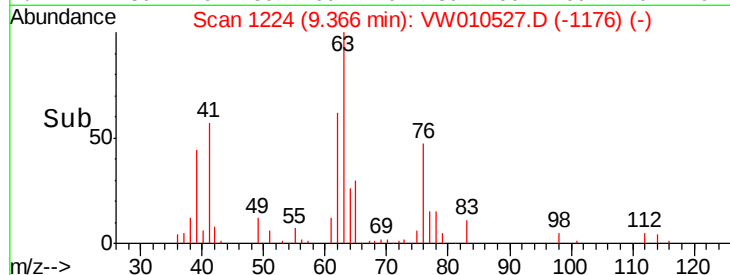
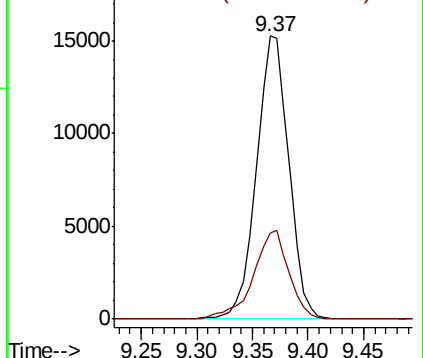
63 100

65 30.4 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 19.626 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010527.D

Acq: 23 May 2019 13:59

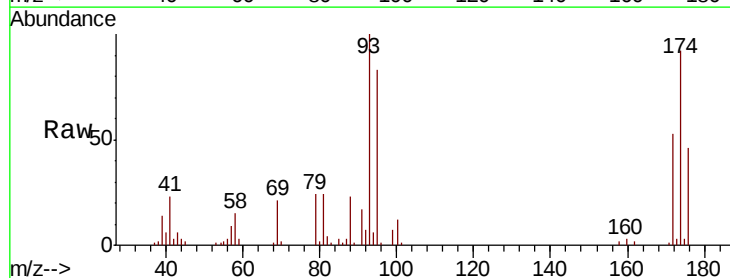
Tgt Ion: 93 Resp: 18159

Ion Ratio Lower Upper

93 100

95 82.4 66.1 99.1

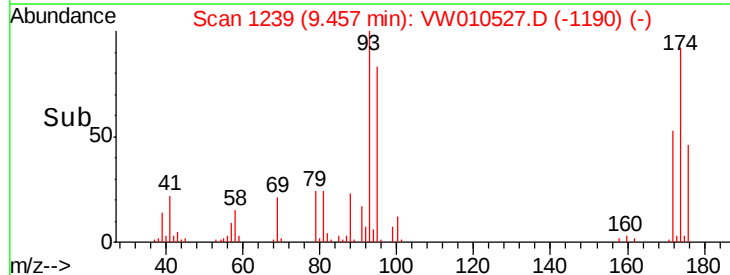
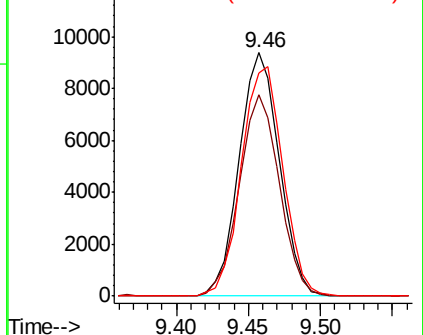
174 97.1 77.1 115.7



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.228 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW010527.D

Acq: 23 May 2019 13:59

Instrument :

MSVOA_W

ClientSampleId :

VW0523SBS01

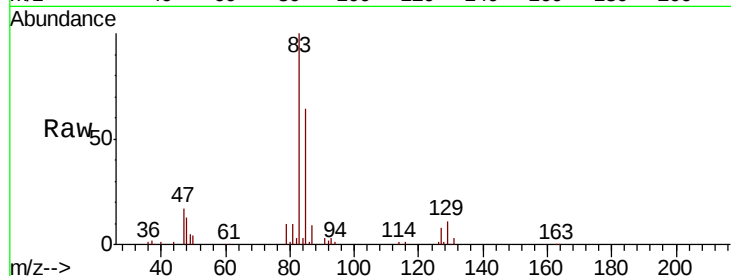
Tot Ion: 83 Resp: 44706

Ion Ratio Lower Upper

83 100

85 63.7 50.4 75.6

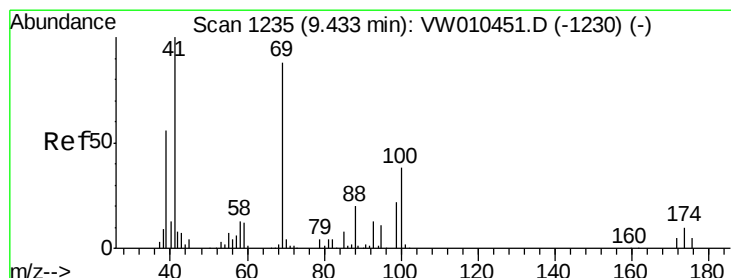
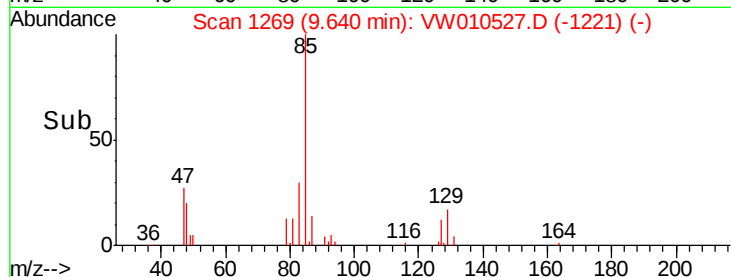
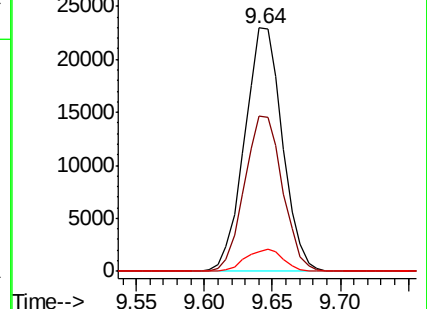
127 7.8 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 16.943 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW010527.D

Acq: 23 May 2019 13:59

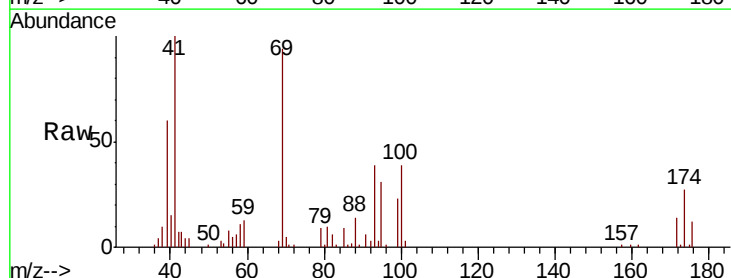
Tgt Ion: 41 Resp: 15782

Ion Ratio Lower Upper

41 100

69 103.6 77.6 116.4

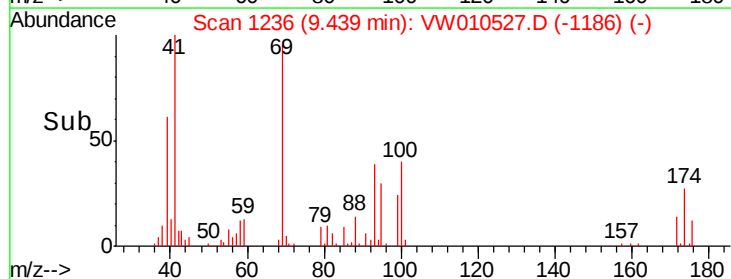
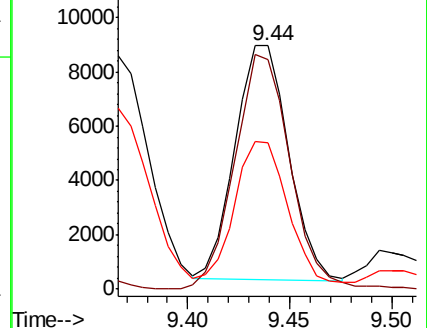
39 59.0 49.8 74.8

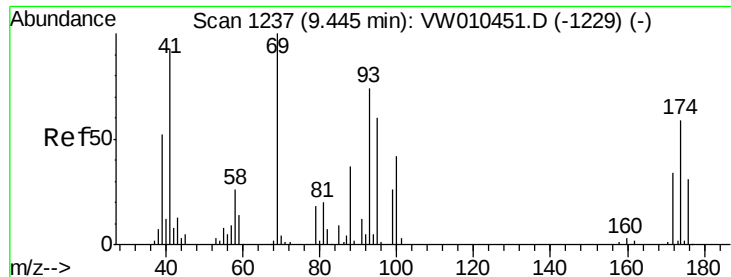


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 312.022 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW010527.D

Acq: 23 May 2019 13:59

Instrument :

MSVOA_W

ClientSampleId :

VW0523SBSD01

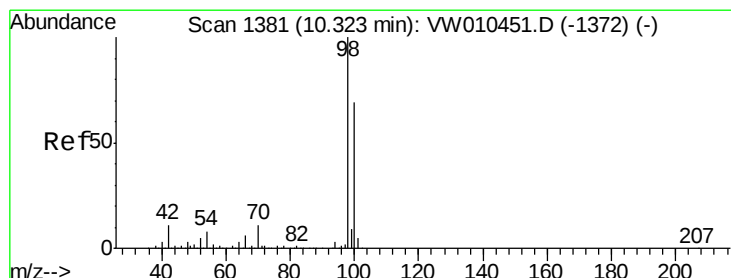
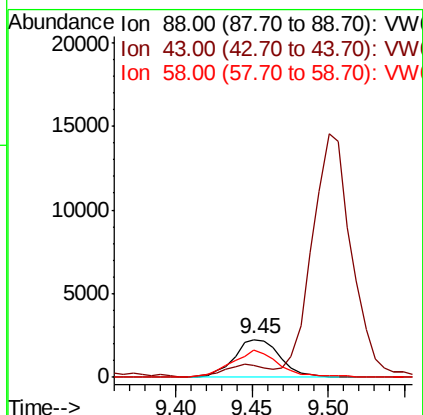
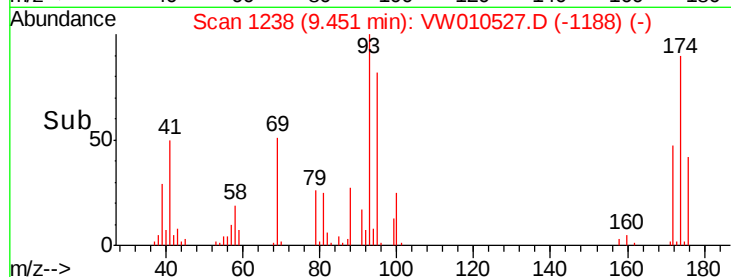
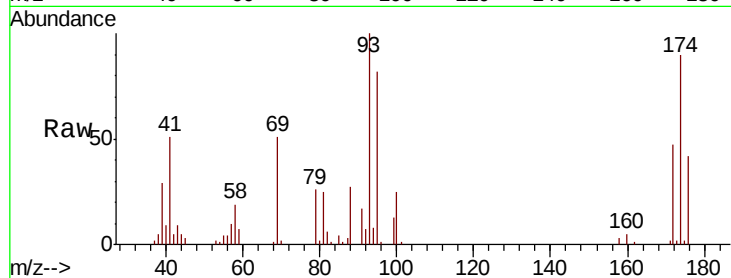
Tot Ion: 88 Resp: 4716

Ion Ratio Lower Upper

88 100

43 29.2 25.9 38.9

58 74.2 52.7 79.1



#50

Toluene-d8

Concen: 49.898 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010527.D

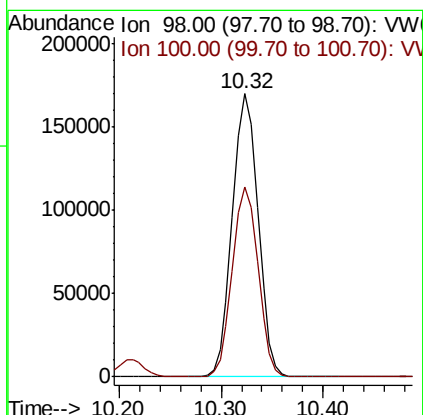
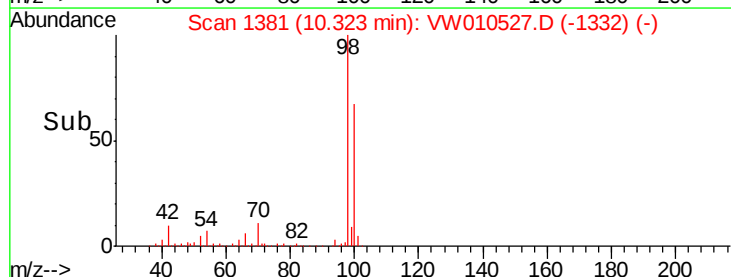
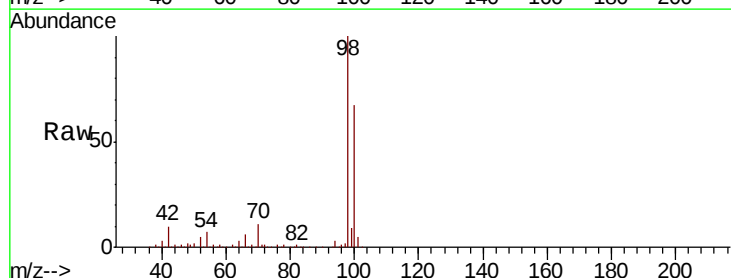
Acq: 23 May 2019 13:59

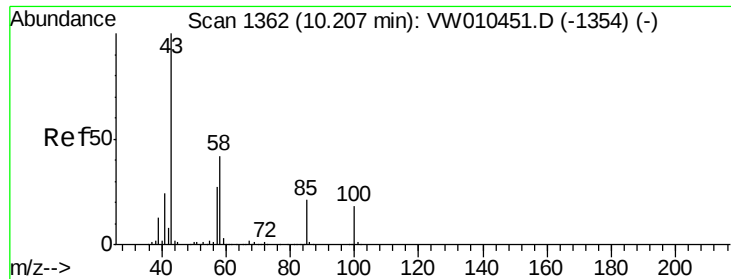
Tgt Ion: 98 Resp: 297584

Ion Ratio Lower Upper

98 100

100 67.3 53.7 80.5





#51

4-Methyl-2-Pentanone

Concen: 91.279 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010527.D

Acq: 23 May 2019 13:59

Instrument :

MSVOA_W

ClientSampleId :

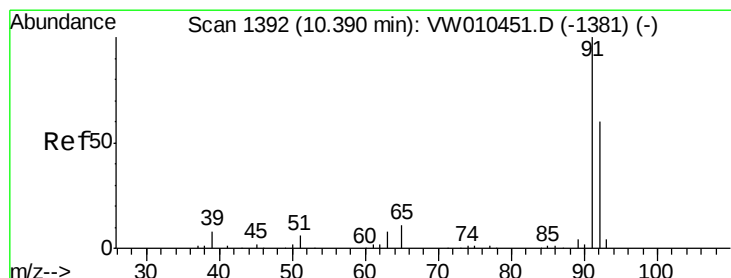
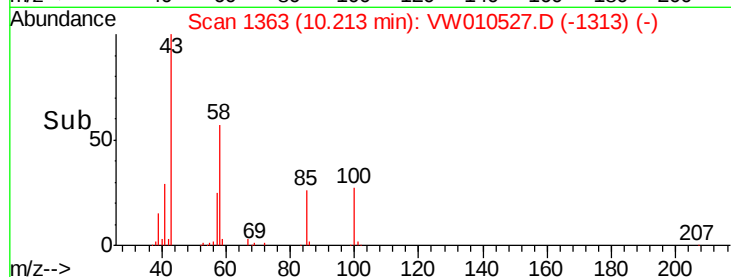
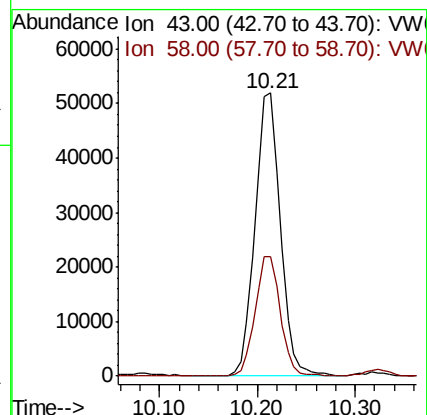
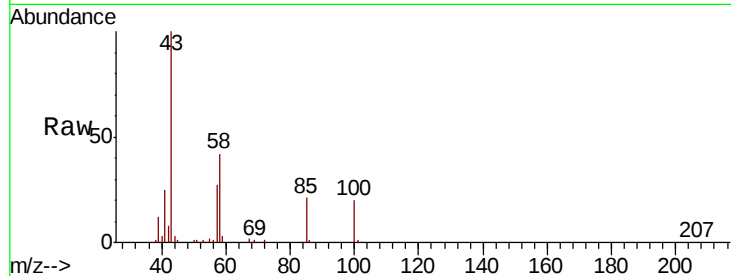
VW0523SBS01

Tot Ion: 43 Resp: 94177

Ion Ratio Lower Upper

43 100

58 42.2 33.2 49.8



#52

Toluene

Concen: 19.972 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010527.D

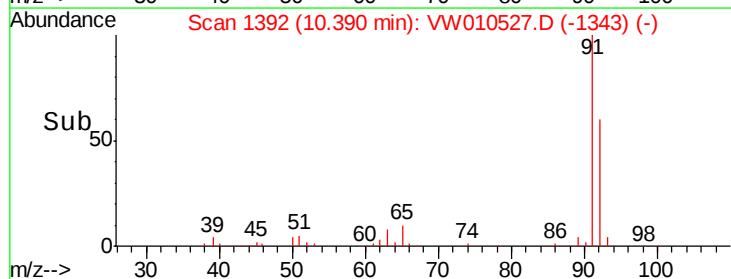
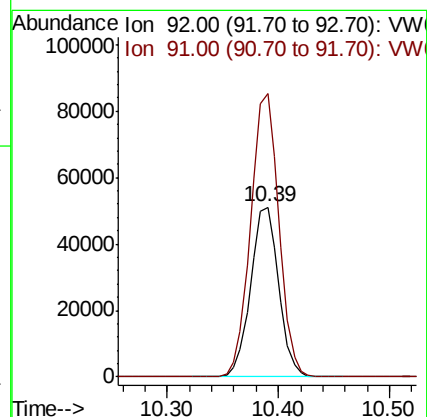
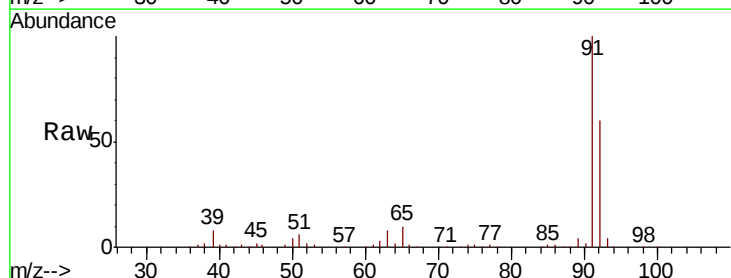
Acq: 23 May 2019 13:59

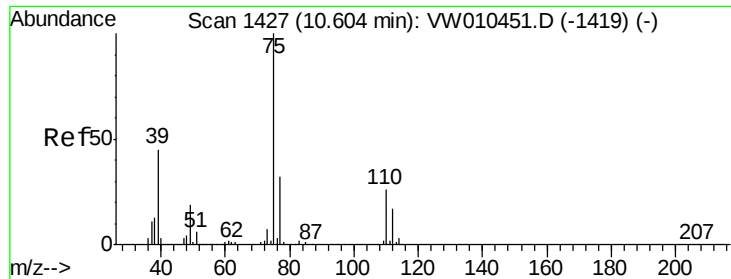
Tgt Ion: 92 Resp: 89349

Ion Ratio Lower Upper

92 100

91 168.5 135.4 203.0

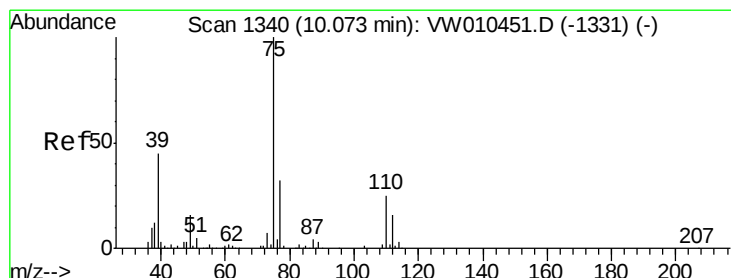
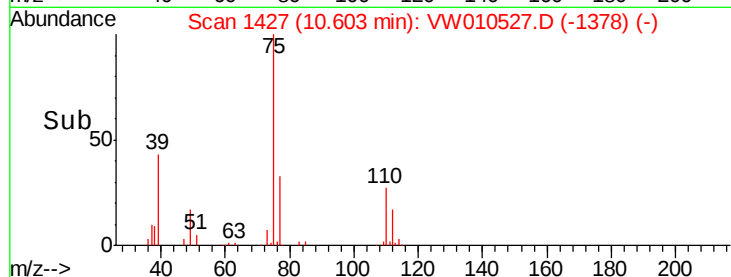
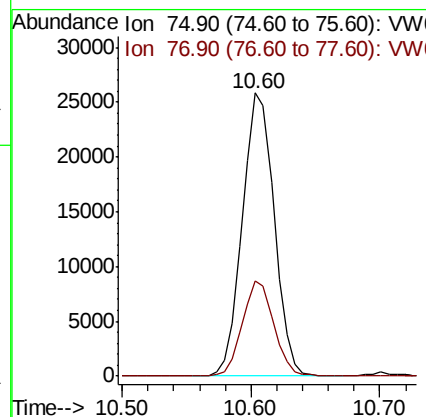
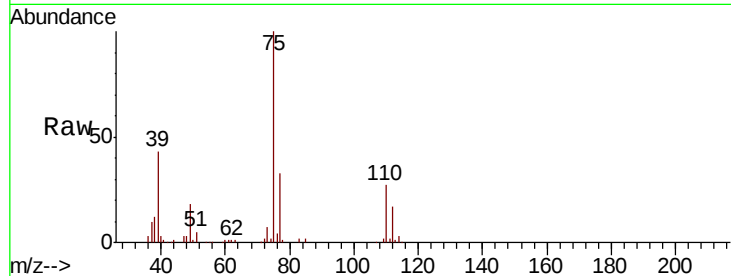




#53
 t-1,3-Dichloropropene
 Concen: 18.784 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW010527.D
 Acq: 23 May 2019 13:59

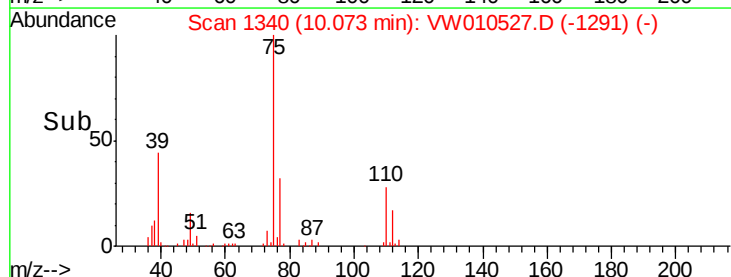
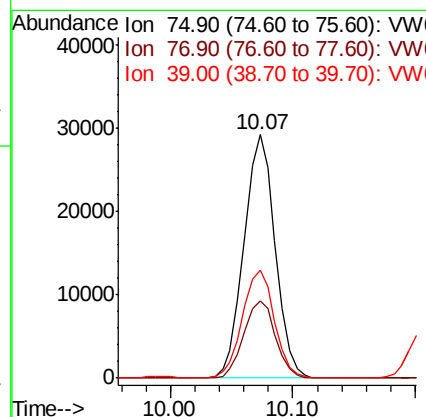
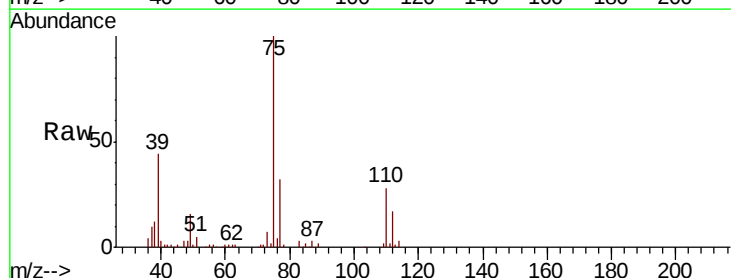
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0523SBS01

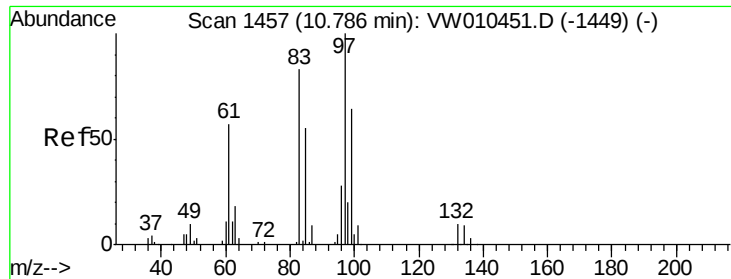
Tot Ion: 75 Resp: 44233
 Ion Ratio Lower Upper
 75 100
 77 33.5 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 19.157 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW010527.D
 Acq: 23 May 2019 13:59

Tgt Ion: 75 Resp: 51519
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.7 38.5
 39 44.4 36.2 54.4

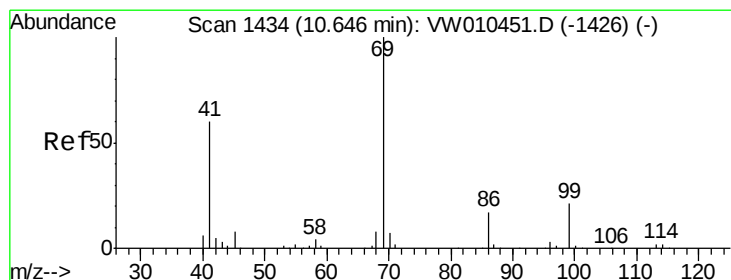
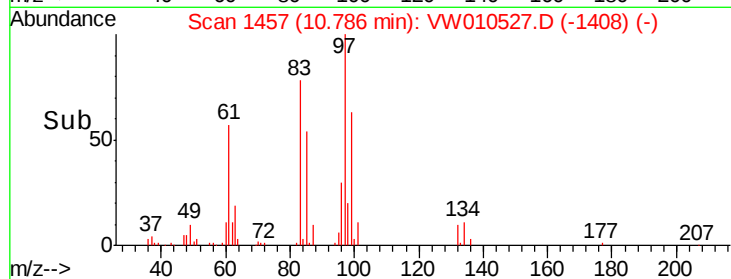
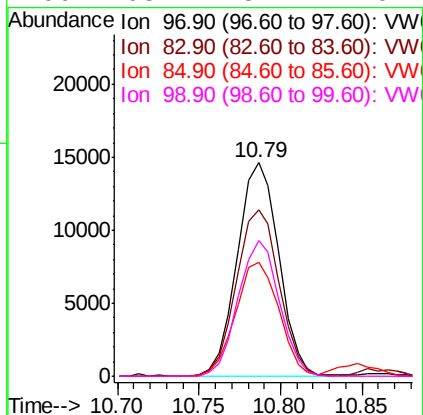
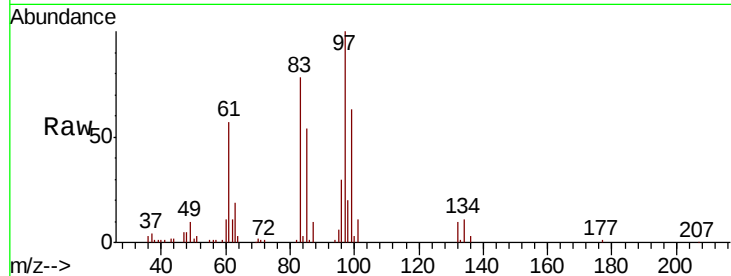




#55
 1,1,2-Trichloroethane
 Concen: 19.521 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010527.D
 Acq: 23 May 2019 13:59

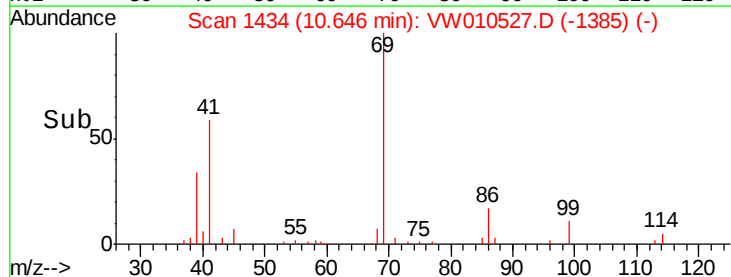
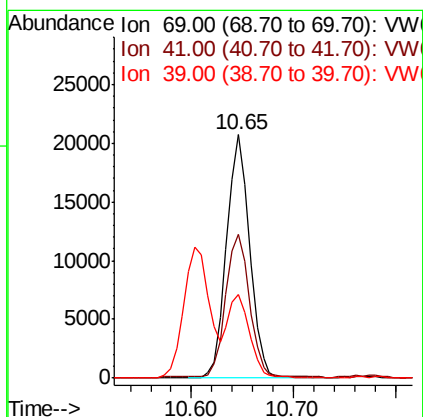
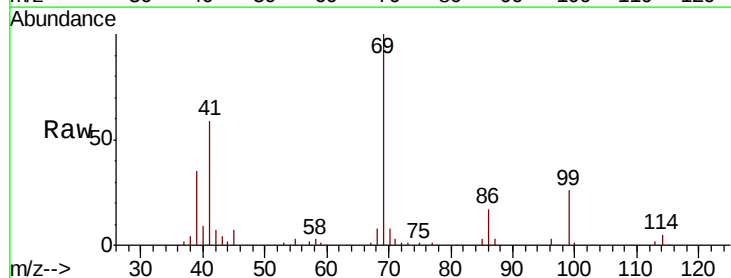
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0523SBSD01

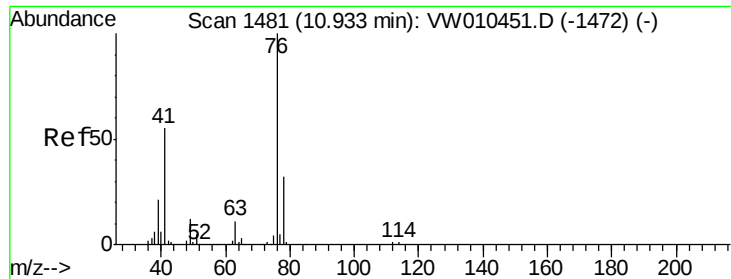
Tot Ion:	97	Resp:	25973
Ion	Ratio	Lower	Upper
97	100		
83	77.9	66.1	99.1
85	53.6	44.2	66.4
99	63.4	51.1	76.7



#56
 Ethyl methacrylate
 Concen: 17.806 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010527.D
 Acq: 23 May 2019 13:59

Tgt Ion:	69	Resp:	32673
Ion	Ratio	Lower	Upper
69	100		
41	61.7	47.7	71.5
39	33.2	25.3	37.9

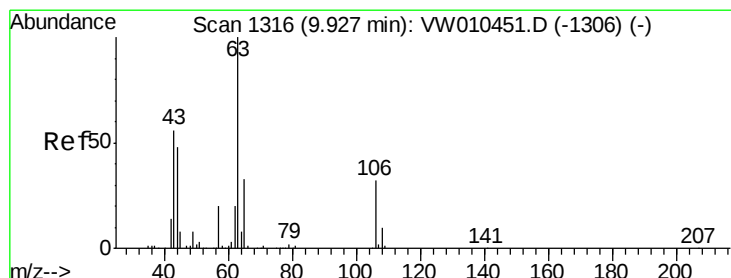
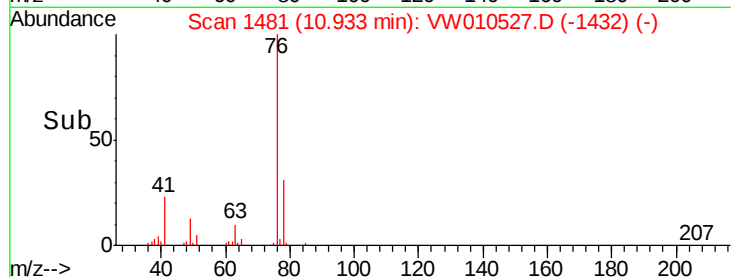
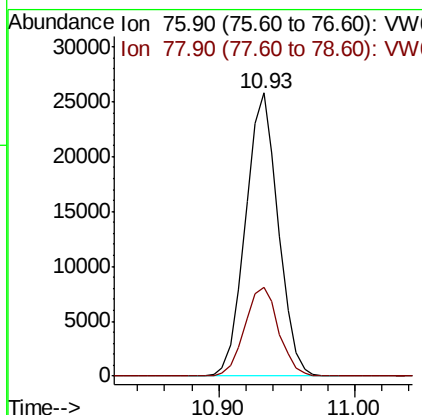
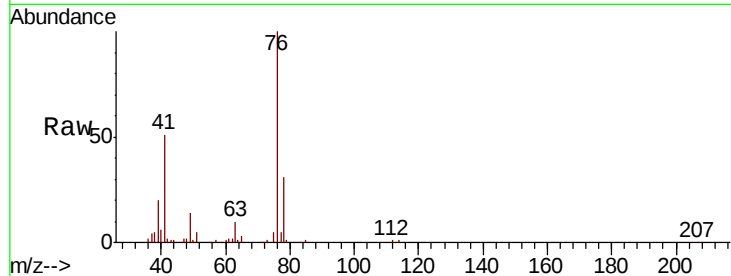




#57
 1,3-Dichloropropane
 Concen: 19.405 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010527.D
 Acq: 23 May 2019 13:59

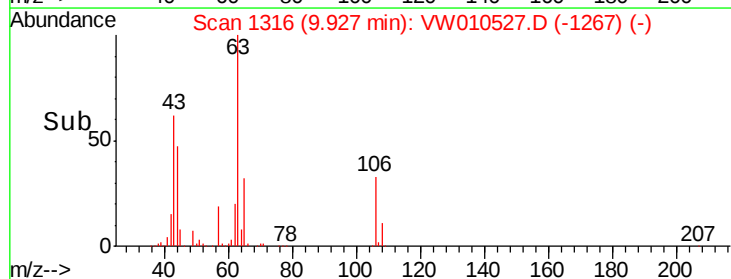
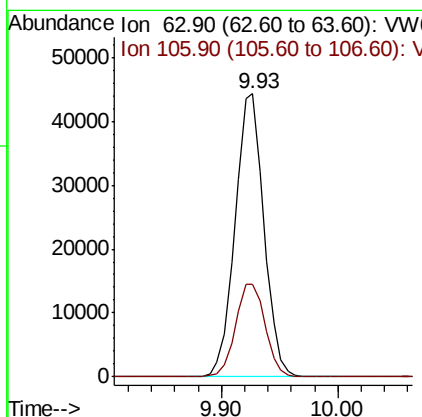
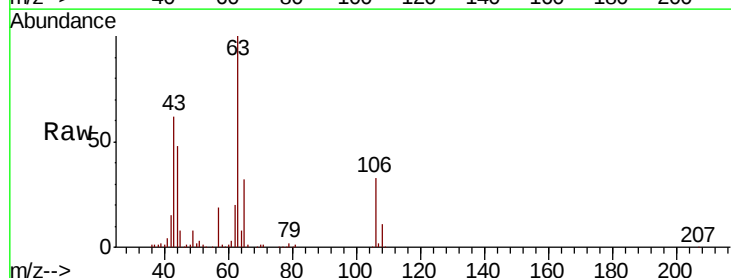
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0523SBSD01

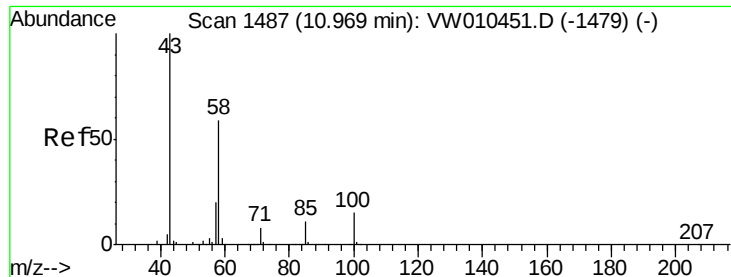
Tot Ion: 76 Resp: 43247
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.024 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW010527.D
 Acq: 23 May 2019 13:59

Tgt Ion: 63 Resp: 76420
 Ion Ratio Lower Upper
 63 100
 106 33.7 25.8 38.6

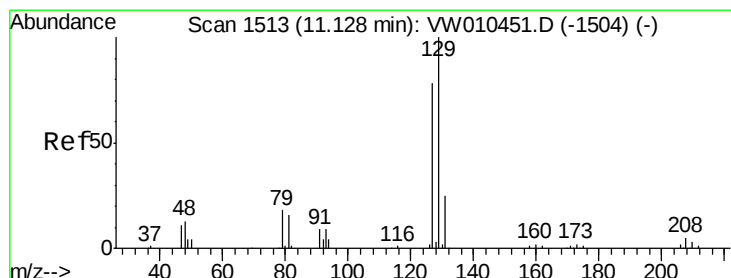
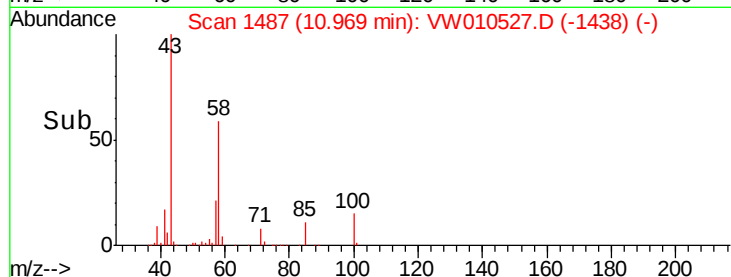
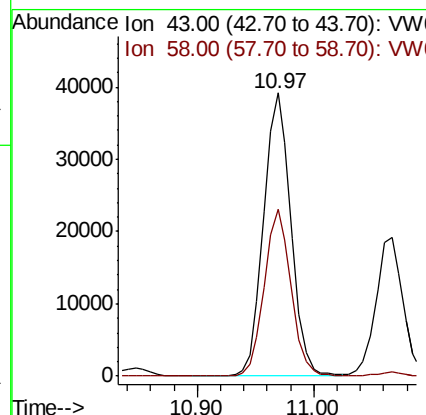
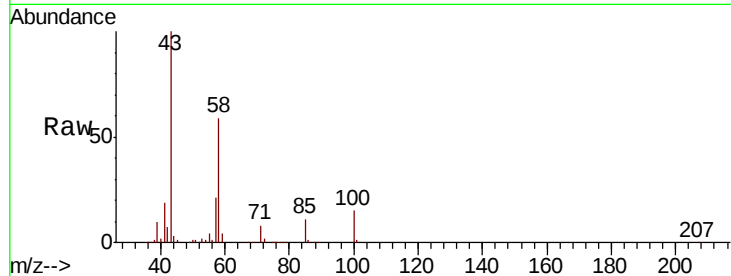




#59
2-Hexanone
Concen: 87.357 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010527.D
Acq: 23 May 2019 13:59

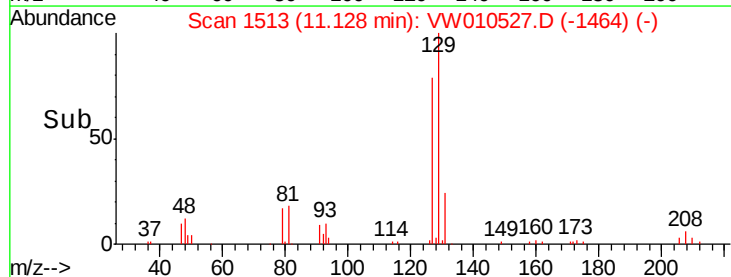
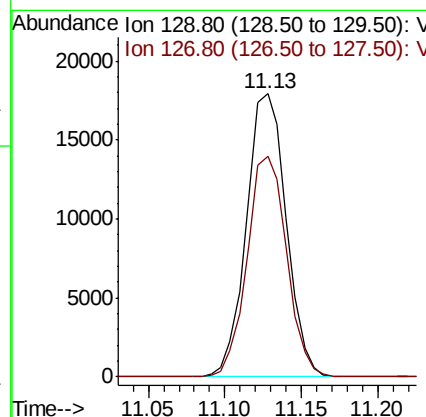
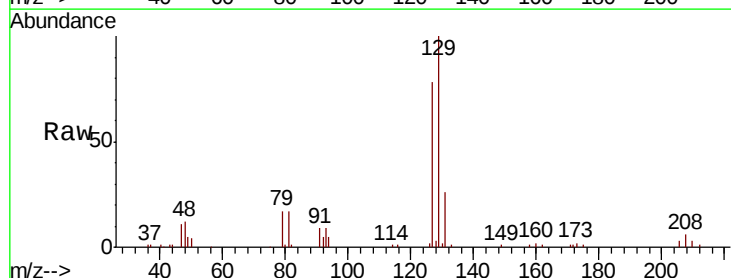
Instrument :
MSVOA_W
ClientSampleId :
VW0523SBSD01

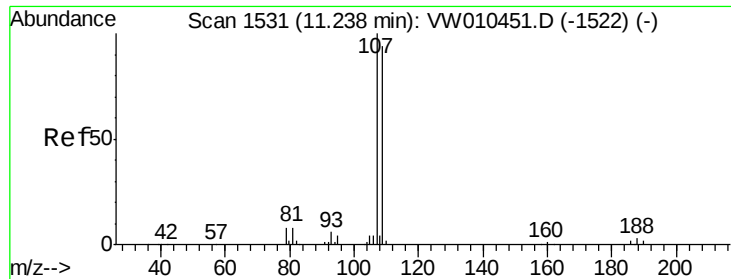
Tot Ion: 43 Resp: 64294
Ion Ratio Lower Upper
43 100
58 57.7 28.9 86.8



#60
Dibromochloromethane
Concen: 19.286 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010527.D
Acq: 23 May 2019 13:59

Tgt Ion: 129 Resp: 32475
Ion Ratio Lower Upper
129 100
127 77.4 38.9 116.7





#61

1,2-Dibromoethane

Concen: 19.098 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW010527.D

Acq: 23 May 2019 13:59

Instrument :

MSVOA_W

ClientSampleId :

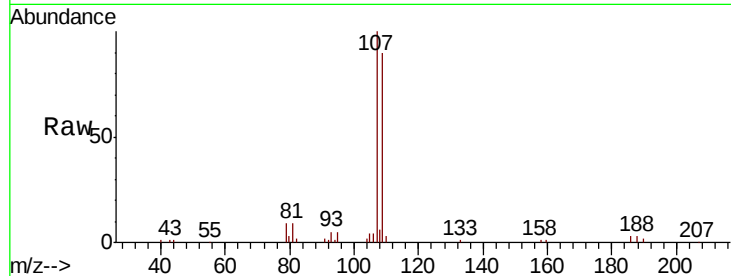
VW0523SBSD01

Tot Ion:107 Resp: 25740

Ion Ratio Lower Upper

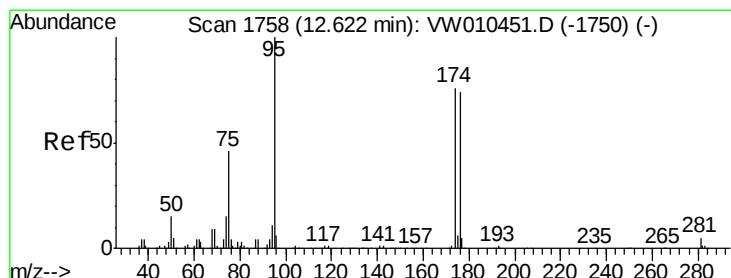
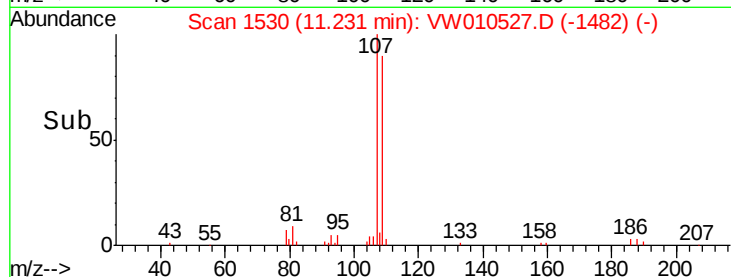
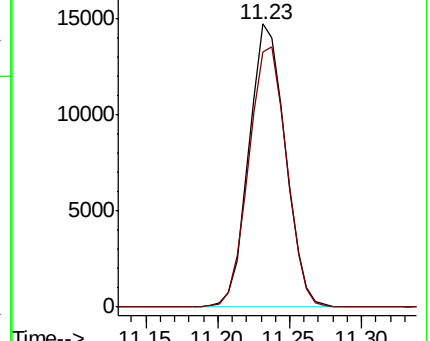
107 100

109 95.3 75.0 112.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.097 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010527.D

Acq: 23 May 2019 13:59

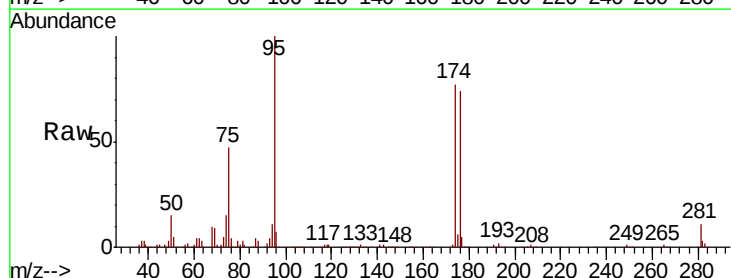
Tgt Ion: 95 Resp: 114253

Ion Ratio Lower Upper

95 100

174 73.2 0.0 148.6

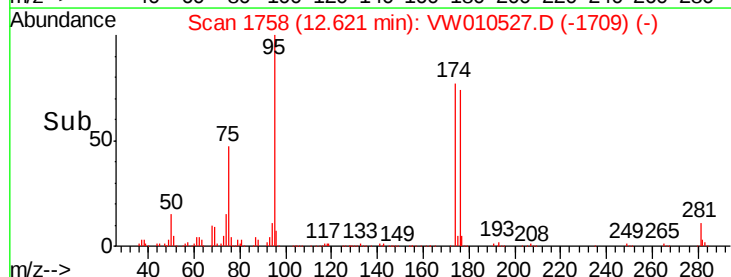
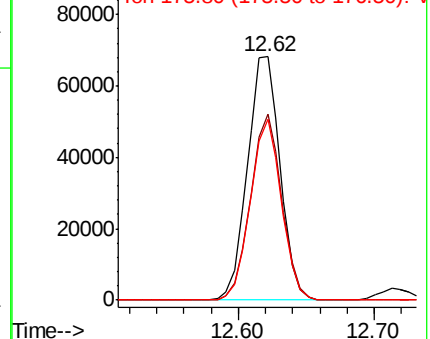
176 70.9 0.0 144.2



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

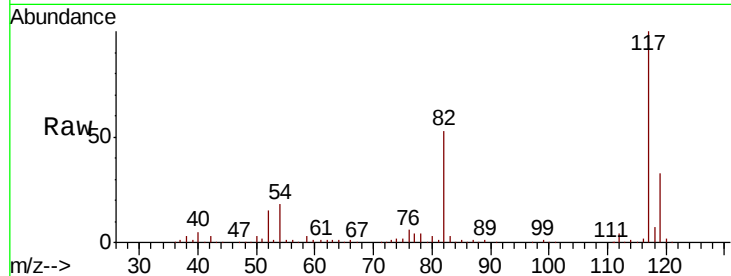




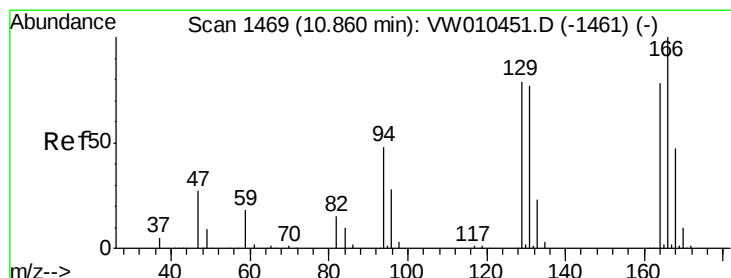
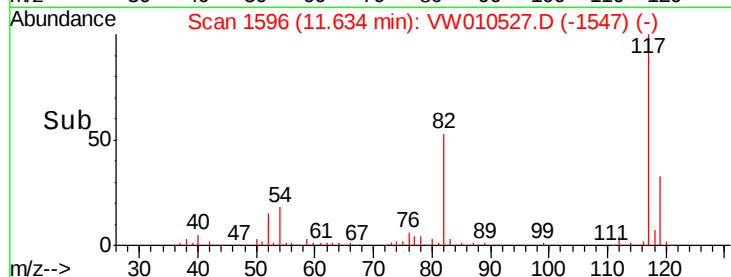
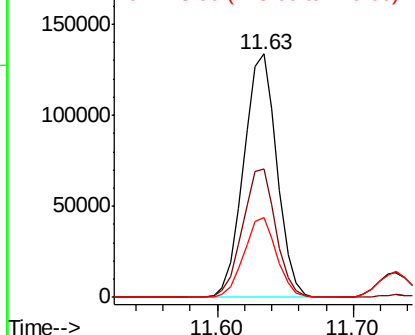
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010527.D
Acq: 23 May 2019 13:59

Instrument :
MSVOA_W
ClientSampled :
VW0523SBSD01

Tot Ion:117 Resp: 227811
Ion Ratio Lower Upper
117 100
82 52.7 42.8 64.2
119 33.0 26.3 39.5

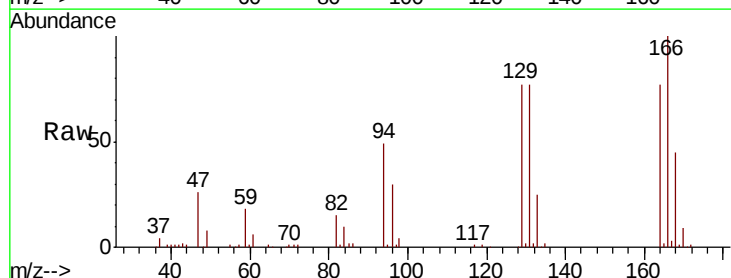


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

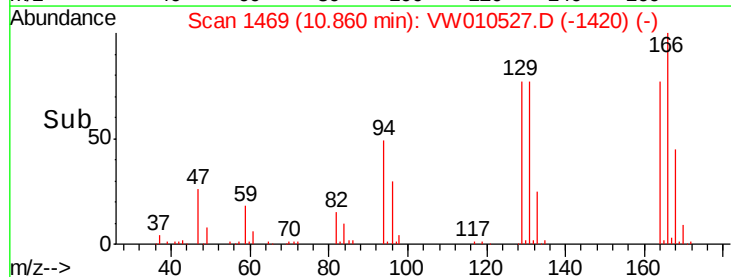
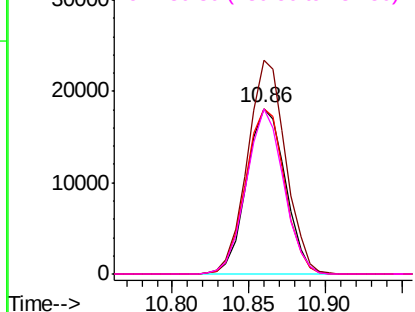


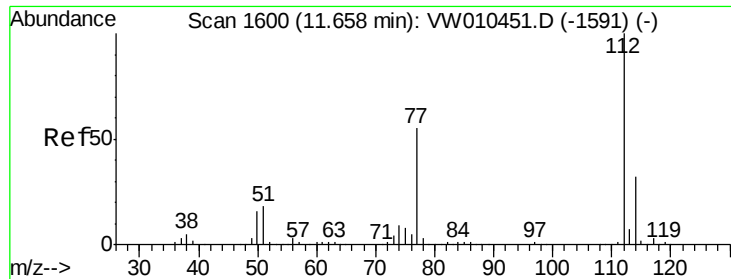
#64
Tetrachloroethene
Concen: 20.126 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010527.D
Acq: 23 May 2019 13:59

Tgt Ion:164 Resp: 31962
Ion Ratio Lower Upper
164 100
166 129.1 101.9 152.9
129 99.5 80.6 121.0
131 99.7 78.2 117.2



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

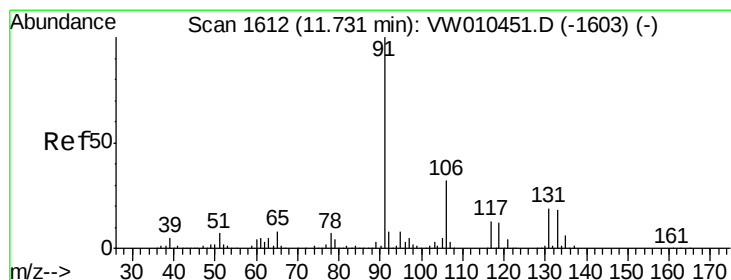
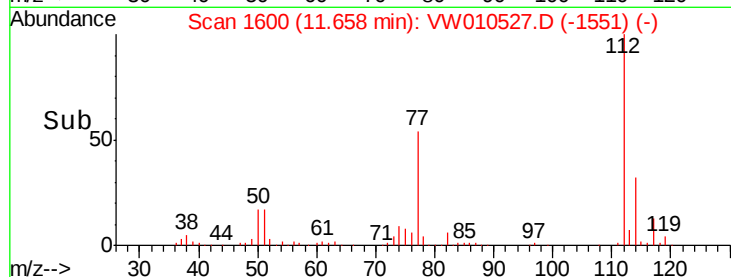
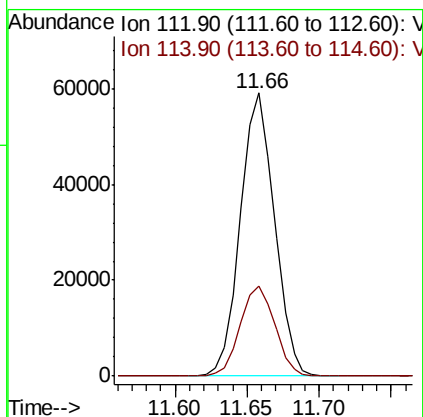
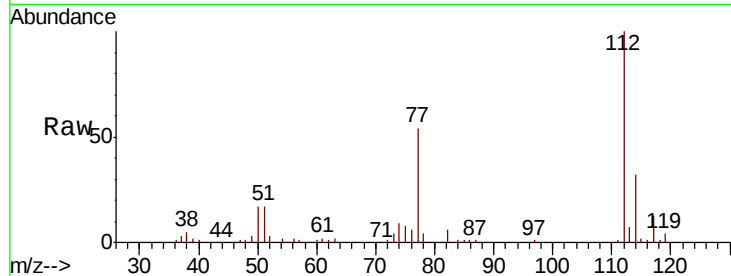




#65
Chlorobenzene
Concen: 19.983 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010527.D
Acq: 23 May 2019 13:59

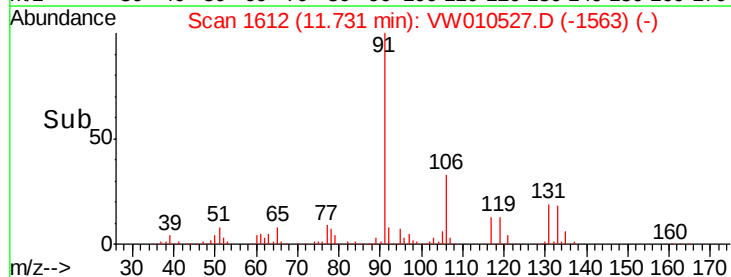
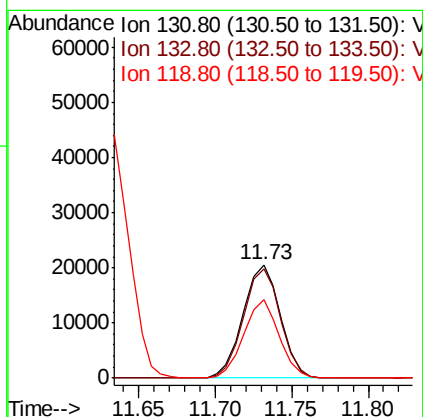
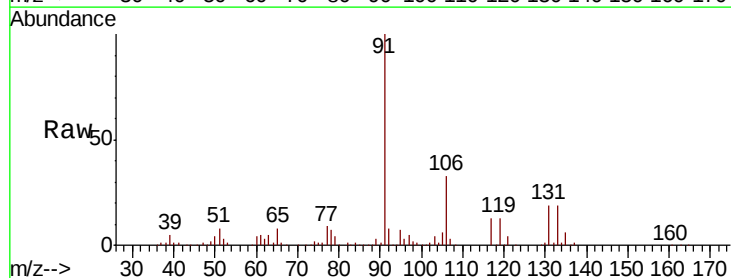
Instrument :
MSVOA_W
ClientSampleId :
VW0523SBSD01

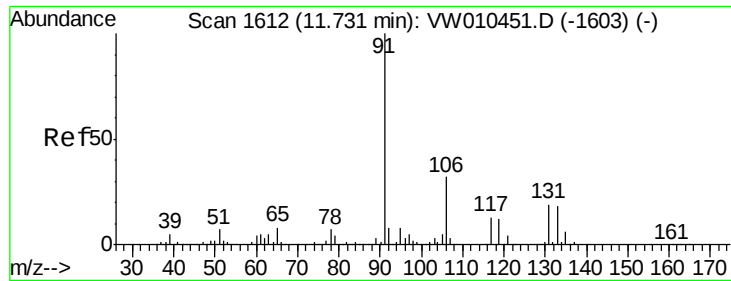
Tot Ion:112 Resp: 97022
Ion Ratio Lower Upper
112 100
114 31.9 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.956 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010527.D
Acq: 23 May 2019 13:59

Tgt Ion:131 Resp: 34709
Ion Ratio Lower Upper
131 100
133 96.6 47.3 141.9
119 65.9 32.1 96.5

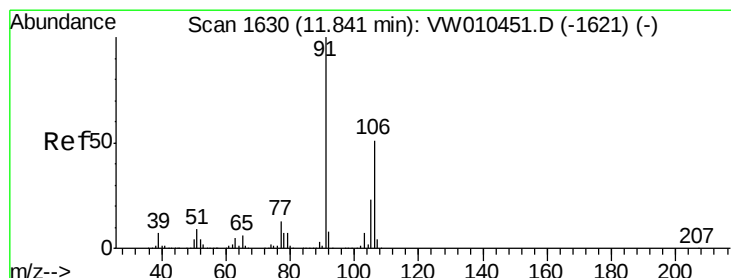
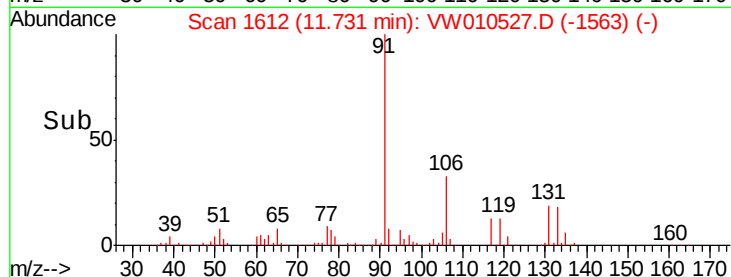
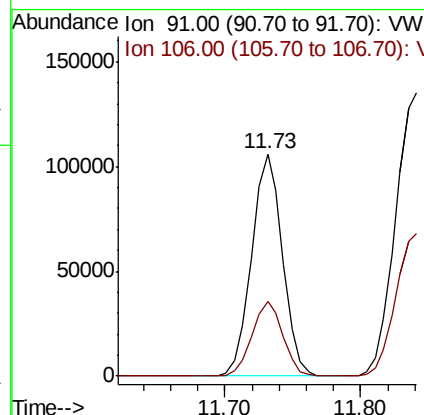
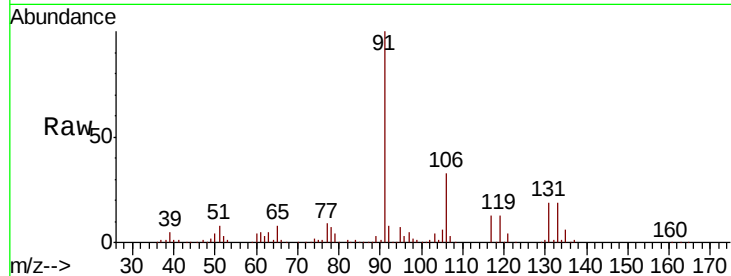




#67
Ethyl Benzene
Concen: 19.648 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010527.D
Acq: 23 May 2019 13:59

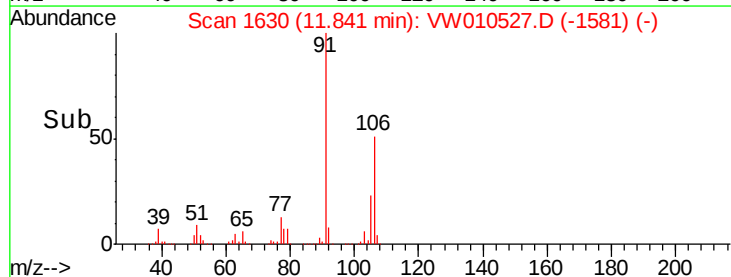
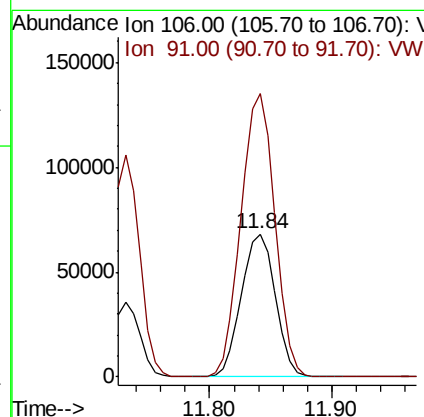
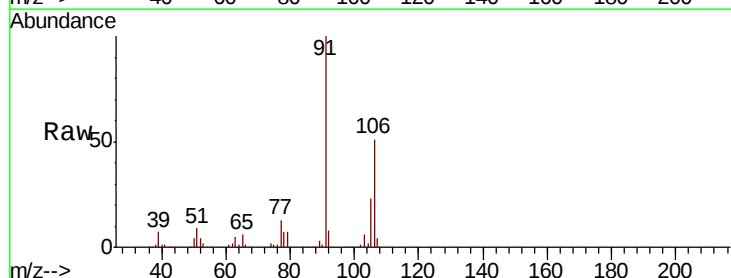
Instrument :
MSVOA_W
ClientSampleID :
VW0523SBSD01

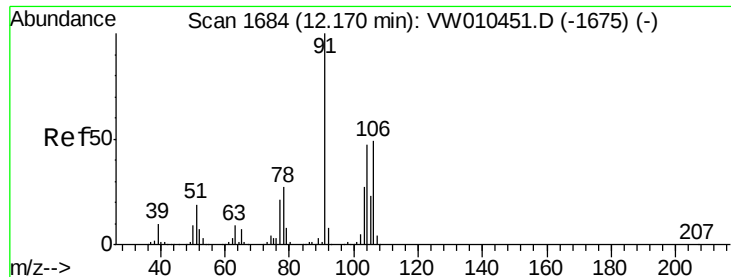
Tot Ion: 91 Resp: 168419
Ion Ratio Lower Upper
91 100
106 33.4 25.9 38.9



#68
m/p-Xylenes
Concen: 39.121 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010527.D
Acq: 23 May 2019 13:59

Tgt Ion:106 Resp: 131535
Ion Ratio Lower Upper
106 100
91 197.8 156.0 234.0

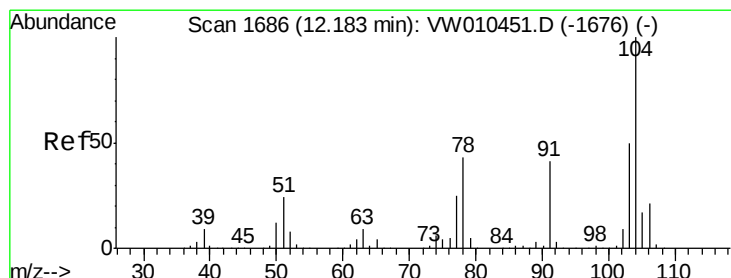
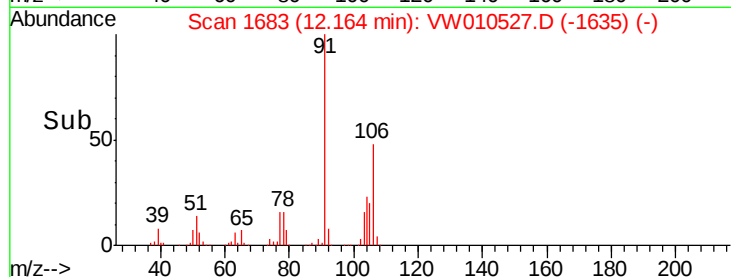
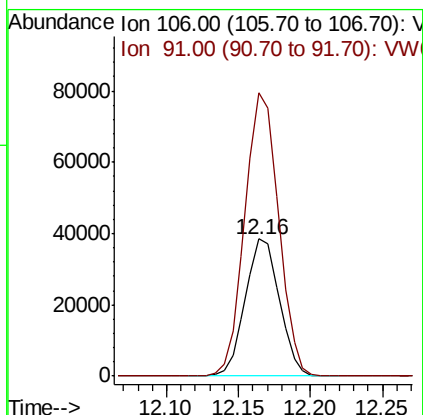
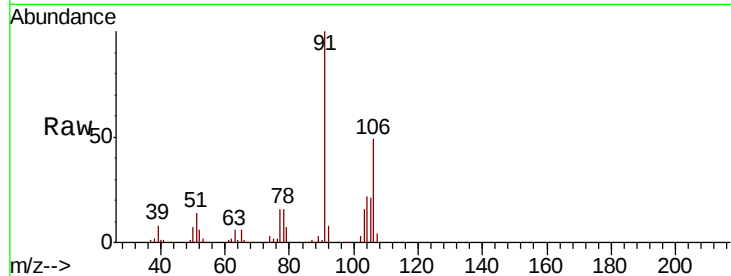




#69
o-Xylene
Concen: 19.844 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010527.D
Acq: 23 May 2019 13:59

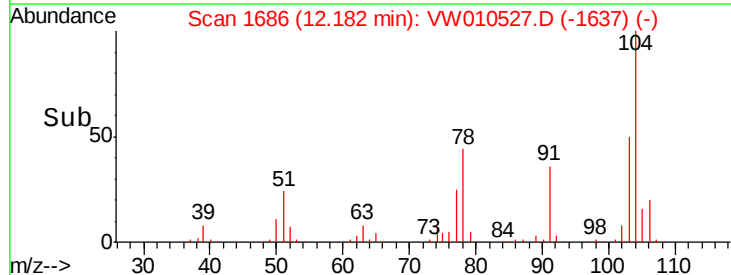
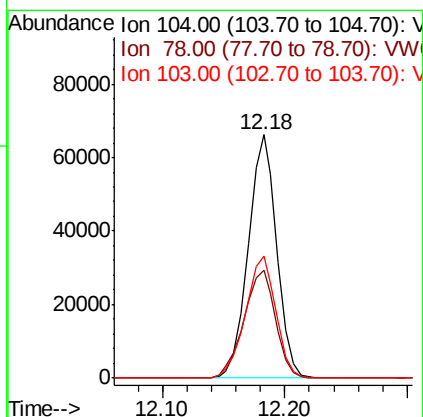
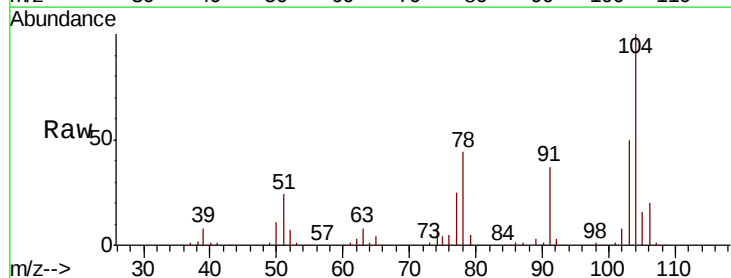
Instrument :
MSVOA_W
ClientSampleID :
VW0523SBS01

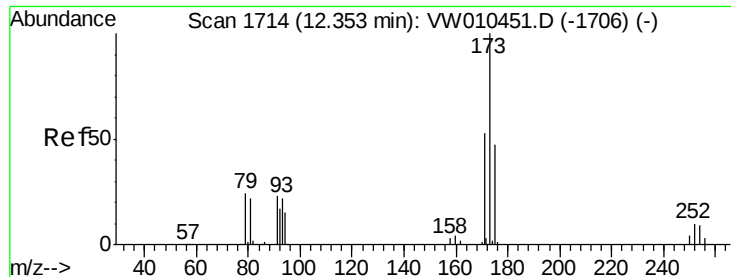
Tot Ion:106 Resp: 63215
Ion Ratio Lower Upper
106 100
91 204.6 103.2 309.4



#70
Styrene
Concen: 19.785 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010527.D
Acq: 23 May 2019 13:59

Tgt Ion:104 Resp: 106936
Ion Ratio Lower Upper
104 100
78 49.1 39.0 58.4
103 53.5 43.0 64.6





#71

Bromoform

Concen: 18.085 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW010527.D

Acq: 23 May 2019 13:59

Instrument :

MSVOA_W

ClientSampleId :

VW0523SBSD01

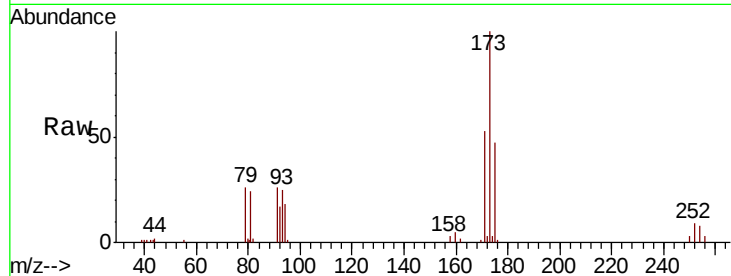
Tot Ion:173 Resp: 17321

Ion Ratio Lower Upper

173 100

175 49.7 24.4 73.4

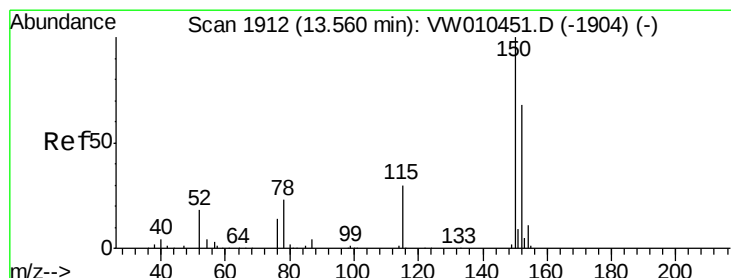
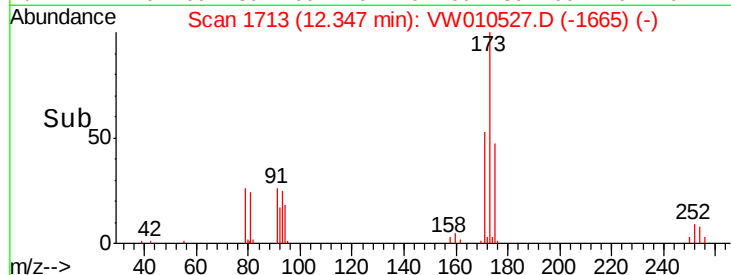
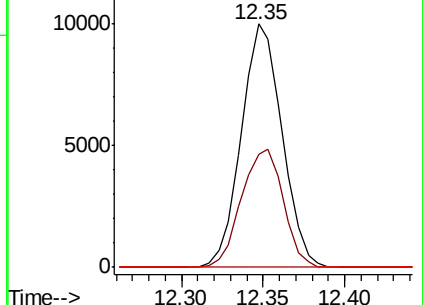
254 0.0 0.0 0.0



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: VW010527.D

Acq: 23 May 2019 13:59

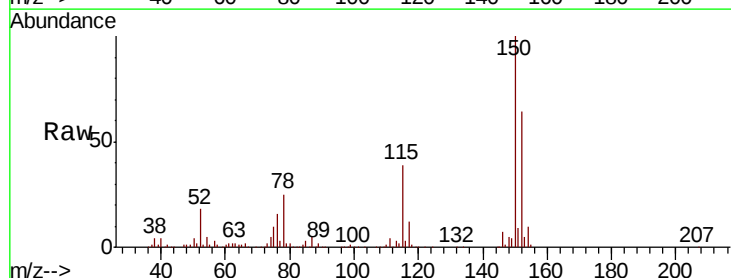
Tgt Ion:152 Resp: 109078

Ion Ratio Lower Upper

152 100

115 61.1 30.3 91.0

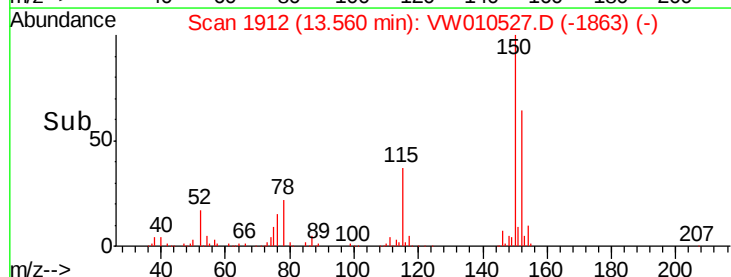
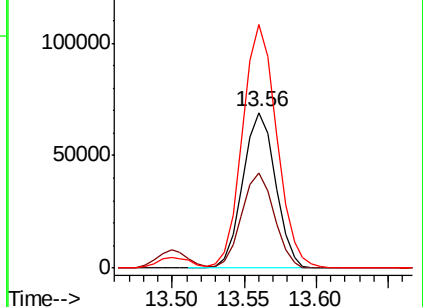
150 163.2 0.0 349.8

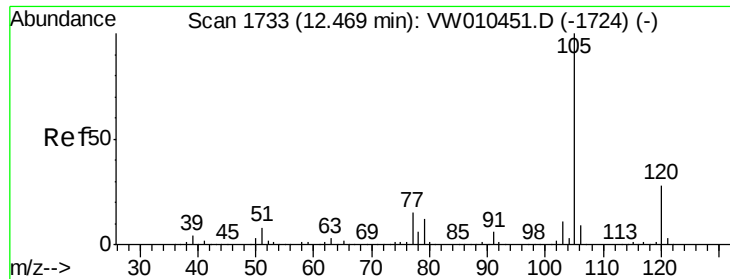


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.993 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010527.D

Acq: 23 May 2019 13:59

Instrument :

MSVOA_W

ClientSampleId :

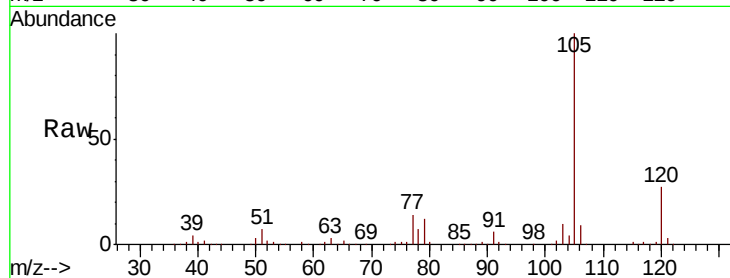
VW0523SBS01

Tot Ion:105 Resp: 173055

Ion Ratio Lower Upper

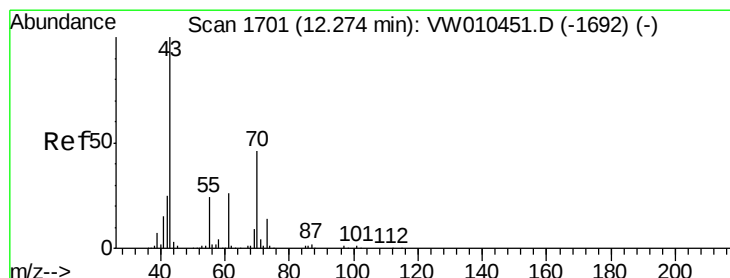
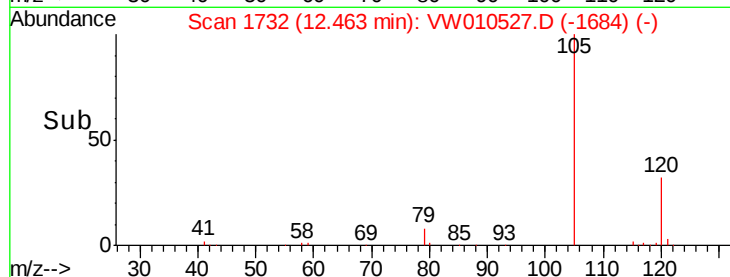
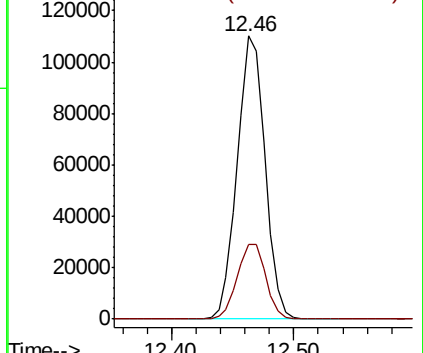
105 100

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: 17.104 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010527.D

Acq: 23 May 2019 13:59

Tgt Ion: 43 Resp: 33926

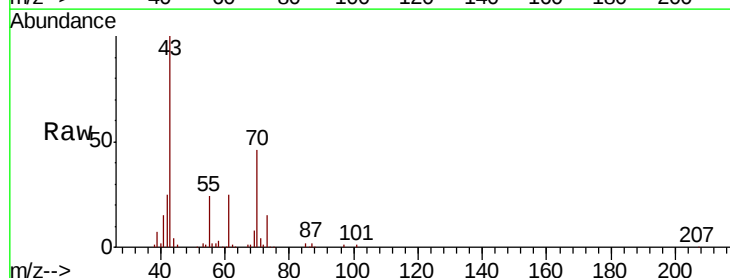
Ion Ratio Lower Upper

43 100

70 48.1 37.1 55.7

55 24.9 19.6 29.4

61 26.1 20.7 31.1

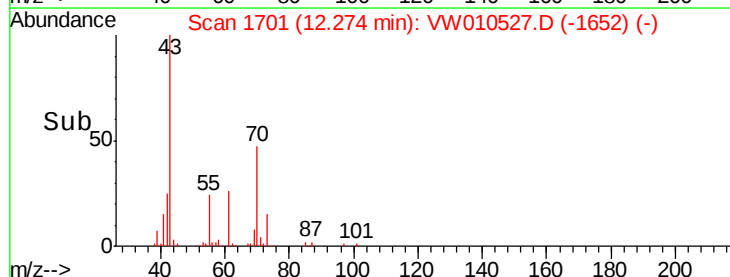
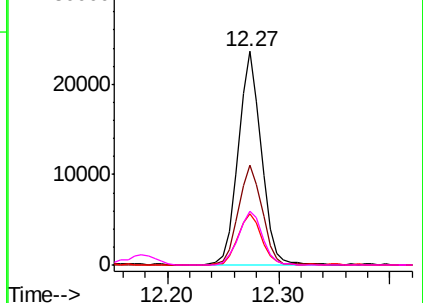


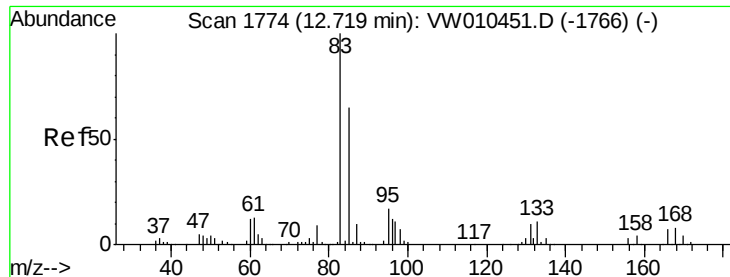
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 18.507 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW010527.D

Acq: 23 May 2019 13:59

Instrument :

MSVOA_W

ClientSampleId :

VW0523SBSD01

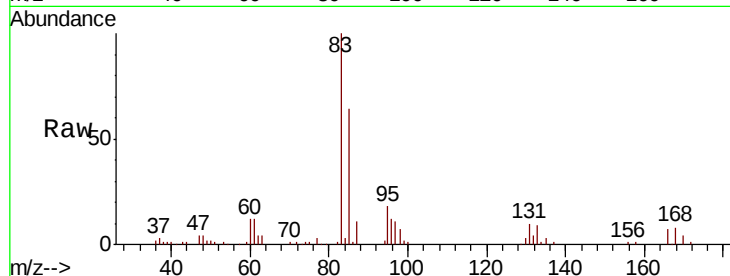
Tot Ion: 83 Resp: 29137

Ion Ratio Lower Upper

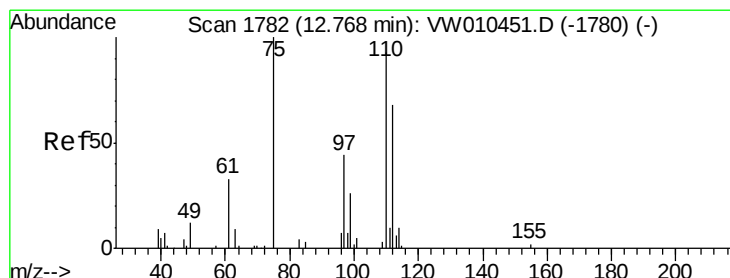
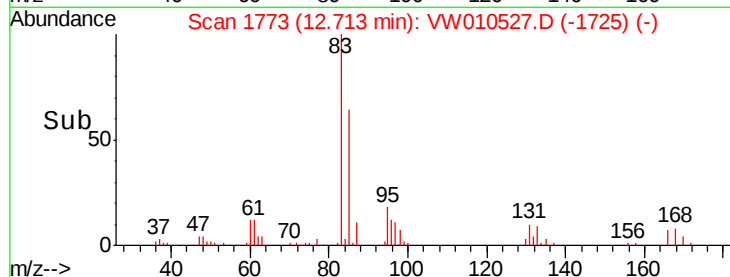
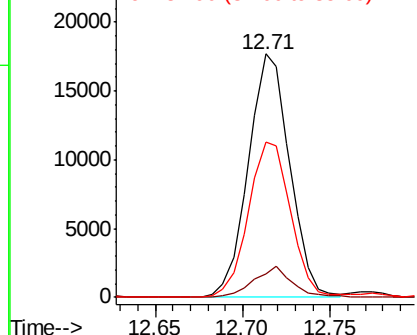
83 100

131 11.8 5.6 16.8

85 64.9 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 33.718 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010527.D

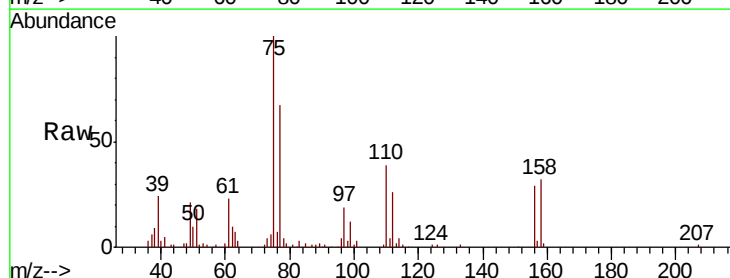
Acq: 23 May 2019 13:59

Tgt Ion: 75 Resp: 37333

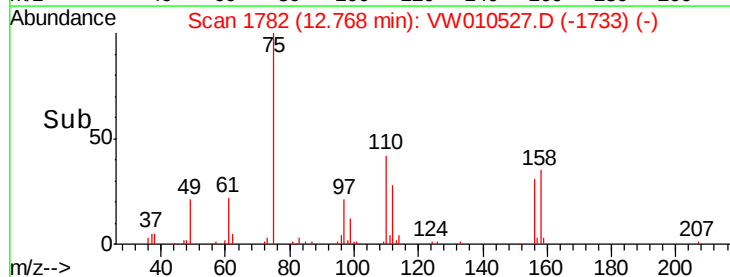
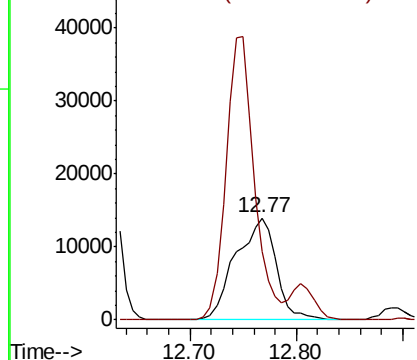
Ion Ratio Lower Upper

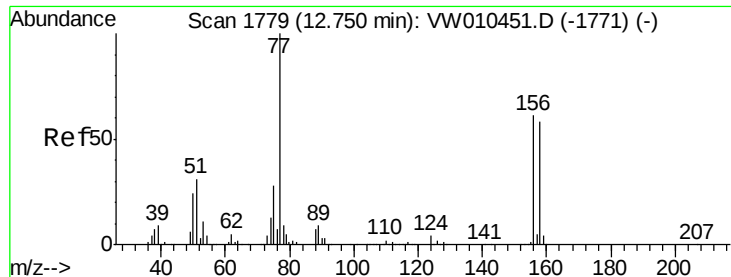
75 100

77 192.6 170.0 510.1



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.326 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010527.D

Acq: 23 May 2019 13:59

Instrument :

MSVOA_W

ClientSampleId :

VW0523SBSD01

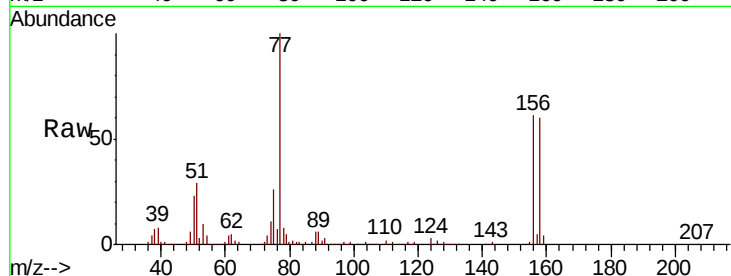
Tot Ion:156 Resp: 39371

Ion Ratio Lower Upper

156 100

77 182.7 92.4 277.2

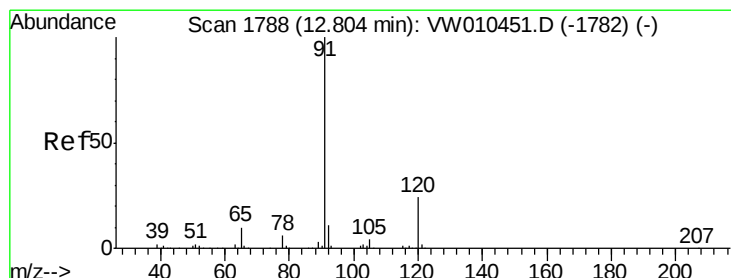
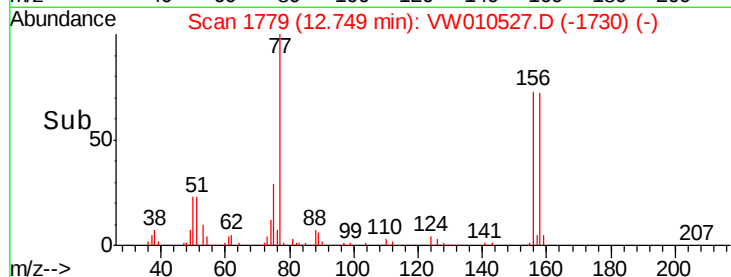
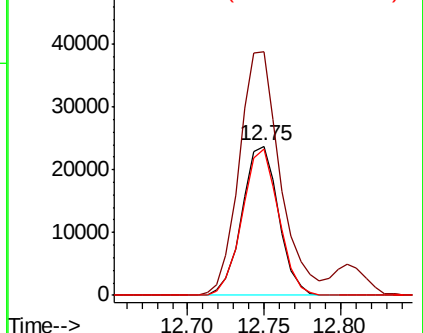
158 97.7 48.3 144.8



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: 19.409 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010527.D

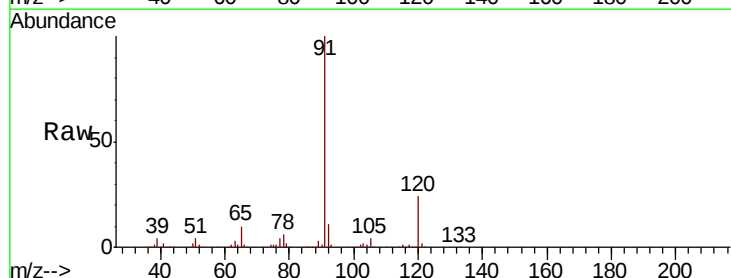
Acq: 23 May 2019 13:59

Tgt Ion: 91 Resp: 195780

Ion Ratio Lower Upper

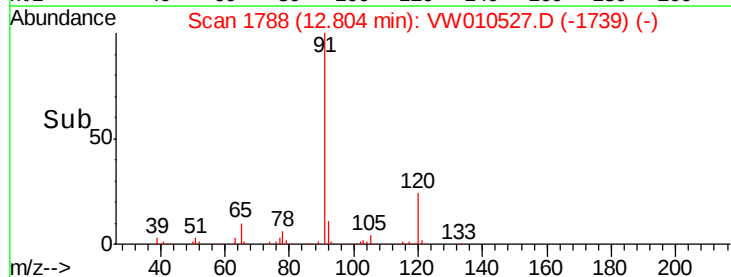
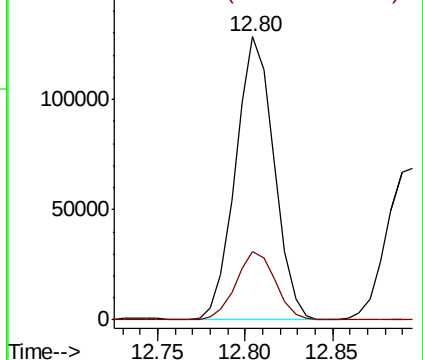
91 100

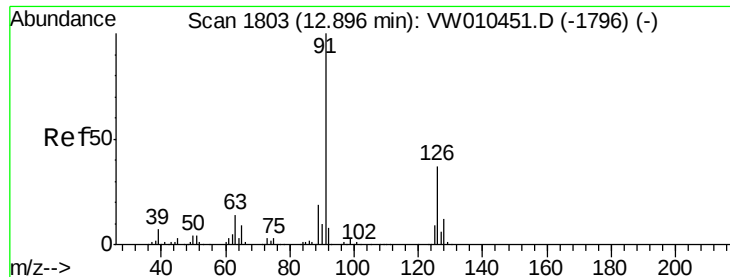
120 24.7 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.627 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010527.D

Acq: 23 May 2019 13:59

Instrument :

MSVOA_W

ClientSampleId :

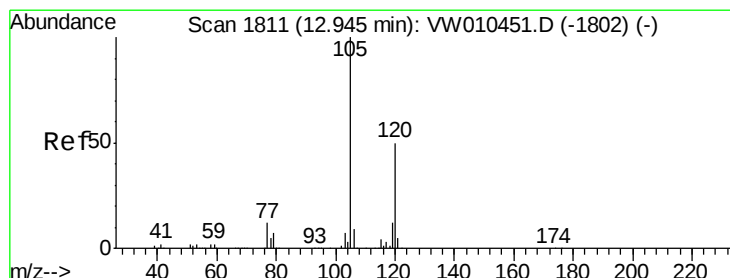
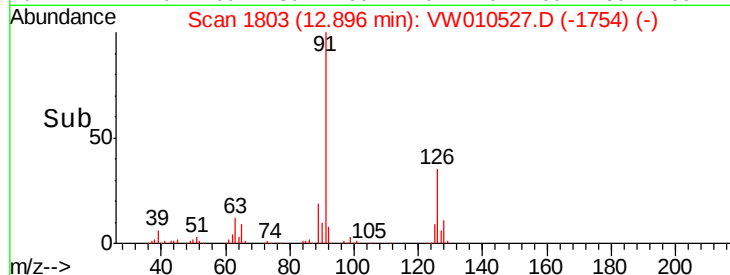
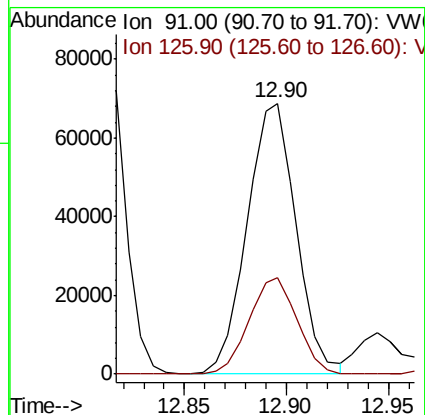
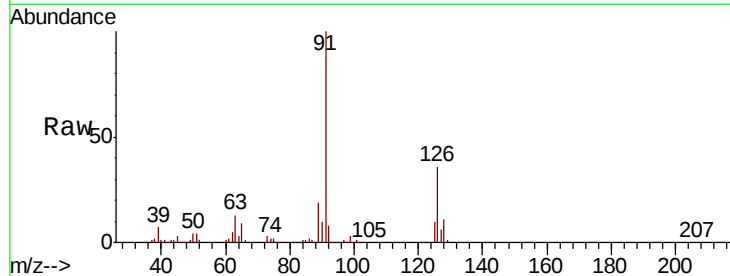
VW0523SBSD01

Tot Ion: 91 Resp: 114812

Ion Ratio Lower Upper

91 100

126 35.0 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 19.508 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010527.D

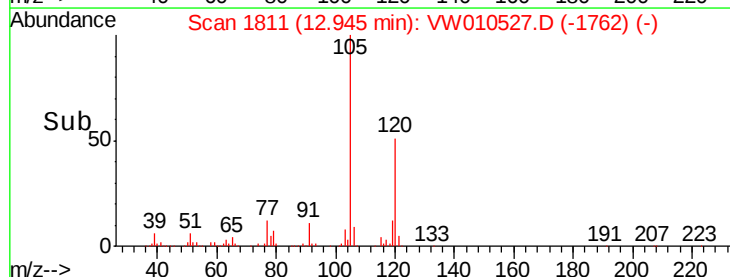
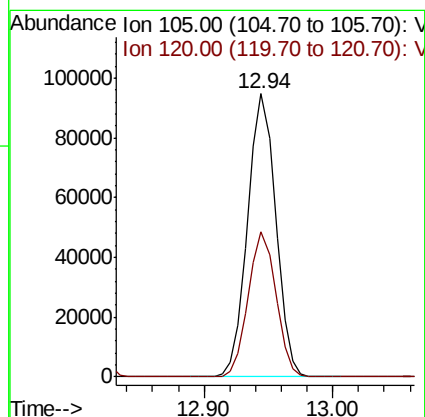
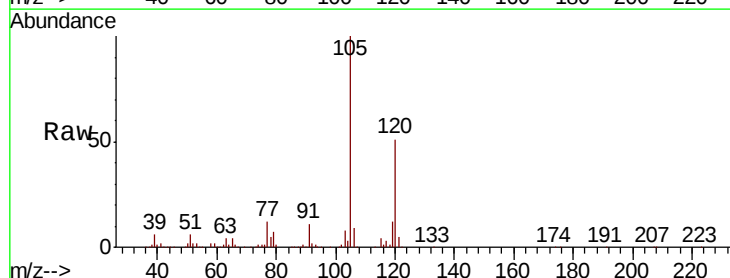
Acq: 23 May 2019 13:59

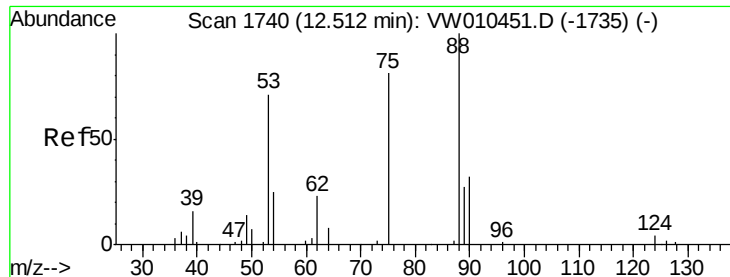
Tgt Ion:105 Resp: 143013

Ion Ratio Lower Upper

105 100

120 50.6 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 16.980 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010527.D

Acq: 23 May 2019 13:59

Instrument :

MSVOA_W

ClientSampleId :

VW0523SBSD01

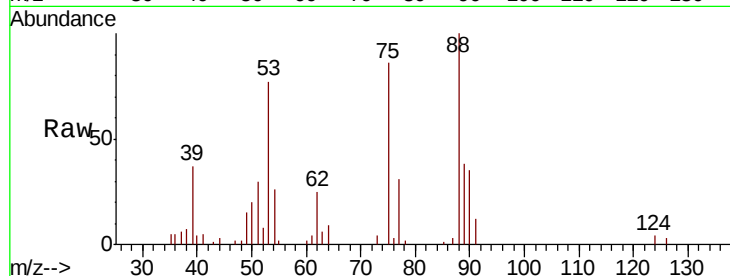
Tot Ion: 75 Resp: 9008

Ion Ratio Lower Upper

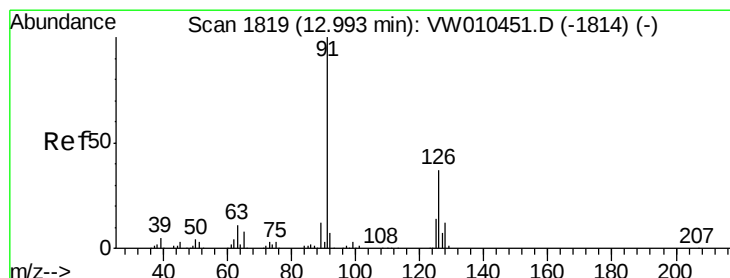
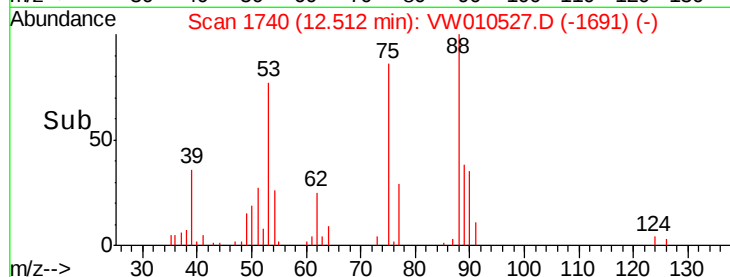
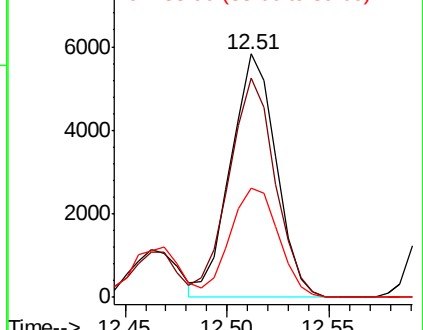
75 100

53 92.2 69.8 104.8

89 47.5 39.5 59.3



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



#82

4-Chlorotoluene

Concen: 19.620 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VW010527.D

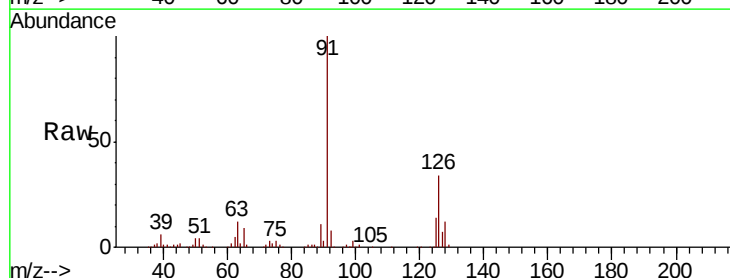
Acq: 23 May 2019 13:59

Tgt Ion: 91 Resp: 119132

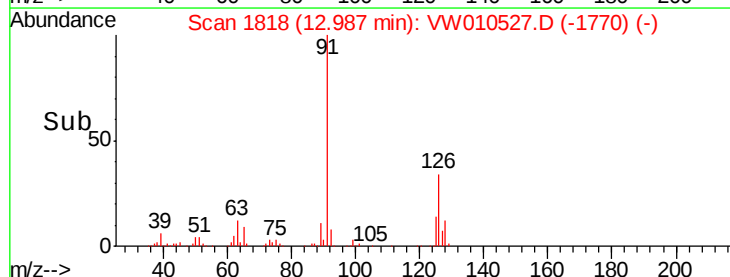
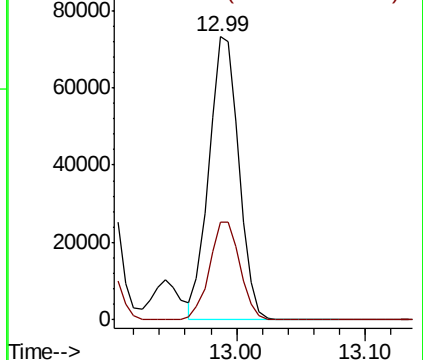
Ion Ratio Lower Upper

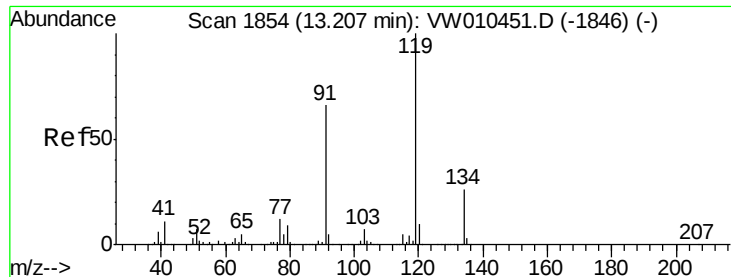
91 100

126 35.4 17.5 52.6



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

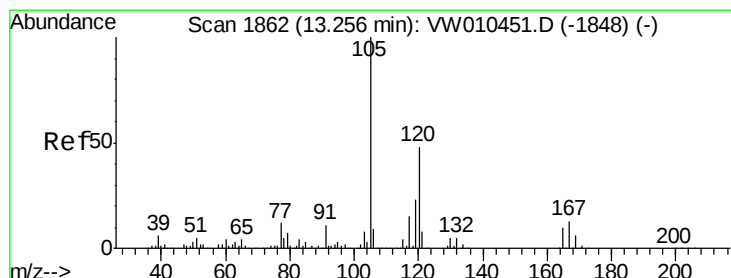
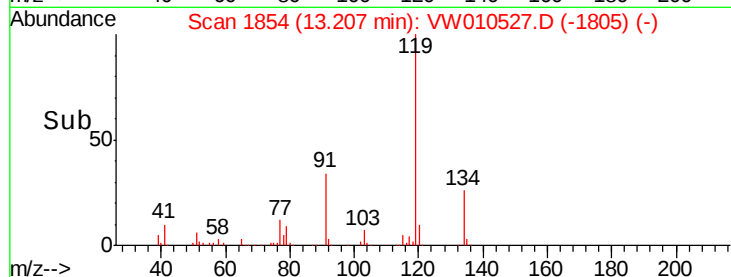
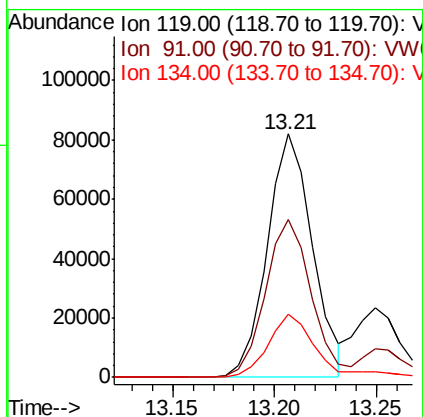
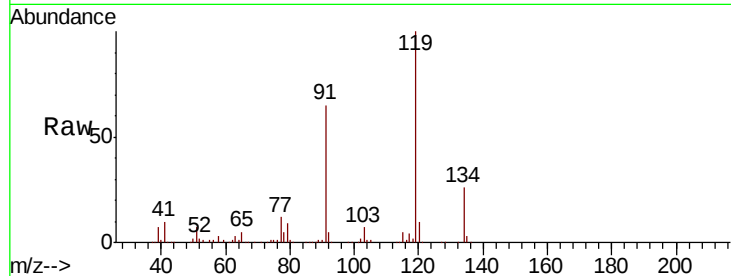




#83
tert-Butylbenzene
Concen: 19.735 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010527.D
Acq: 23 May 2019 13:59

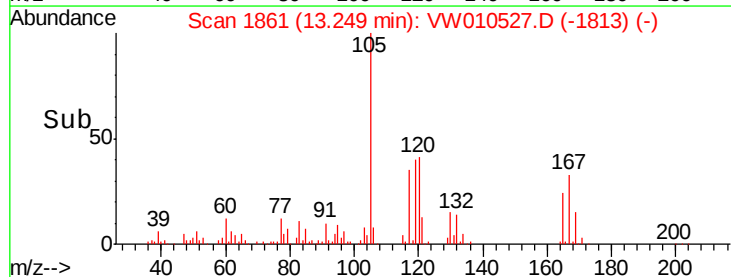
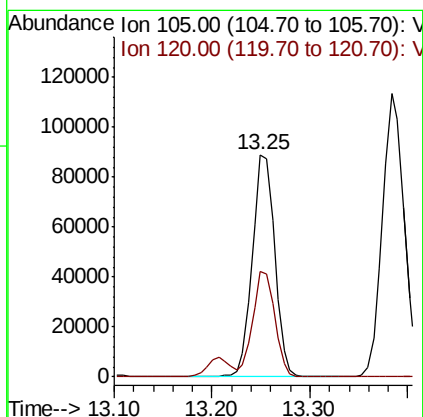
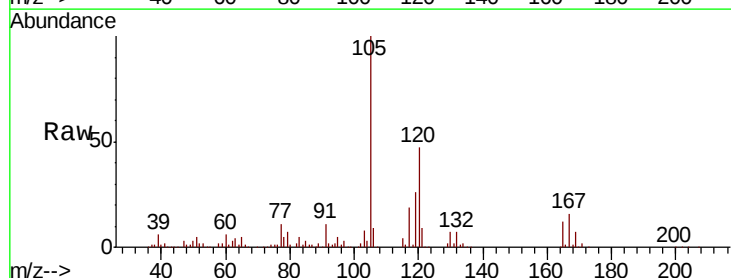
Instrument :
MSVOA_W
ClientSampleID :
VW0523SBSD01

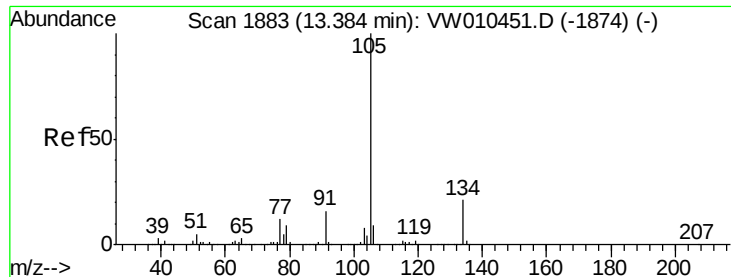
Tot Ion:119 Resp: 126374
Ion Ratio Lower Upper
119 100
91 66.1 33.1 99.5
134 27.6 13.9 41.6



#84
1,2,4-Trimethylbenzene
Concen: 19.559 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VW010527.D
Acq: 23 May 2019 13:59

Tgt Ion:105 Resp: 142808
Ion Ratio Lower Upper
105 100
120 46.5 23.4 70.2





#85

sec-Butylbenzene

Concen: 19.461 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010527.D

Acq: 23 May 2019 13:59

Instrument :

MSVOA_W

ClientSampleId :

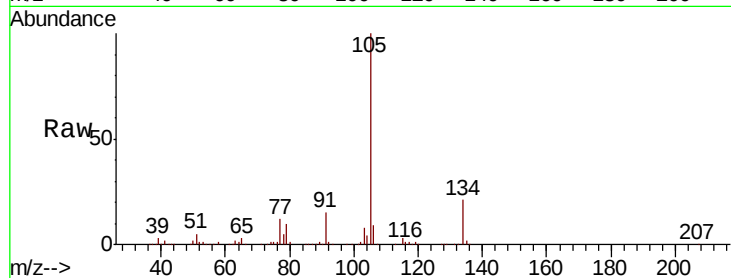
VW0523SBS01

Tot Ion:105 Resp: 174394

Ion Ratio Lower Upper

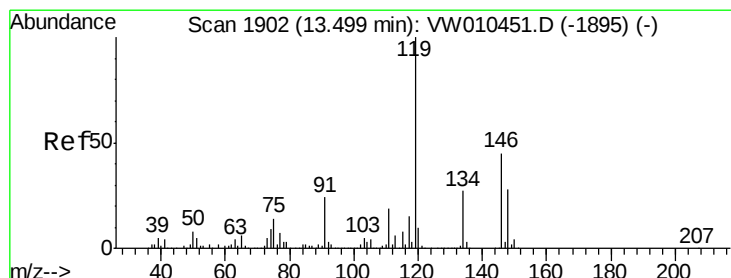
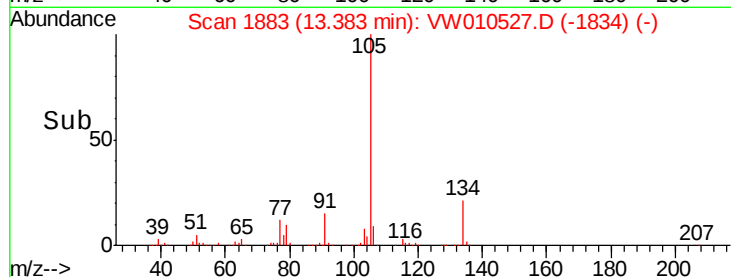
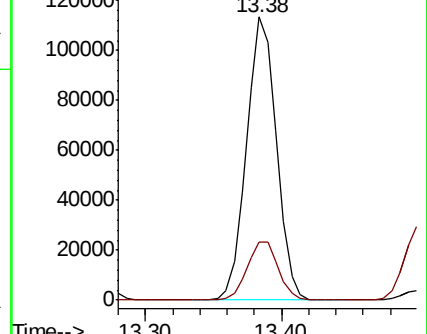
105 100

134 21.5 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.371 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010527.D

Acq: 23 May 2019 13:59

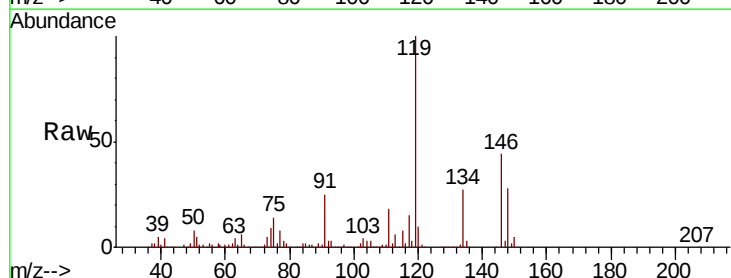
Tgt Ion:119 Resp: 157124

Ion Ratio Lower Upper

119 100

134 27.6 13.6 40.7

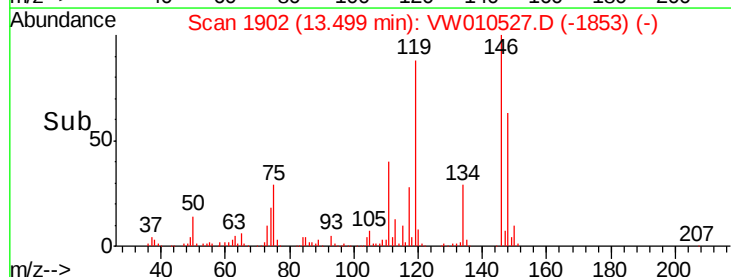
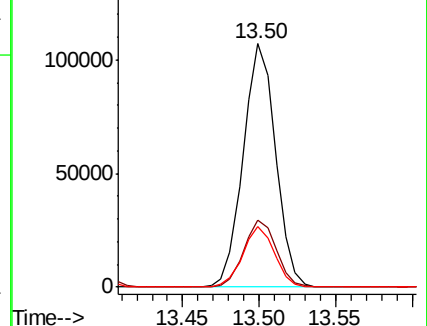
91 24.5 11.9 35.7

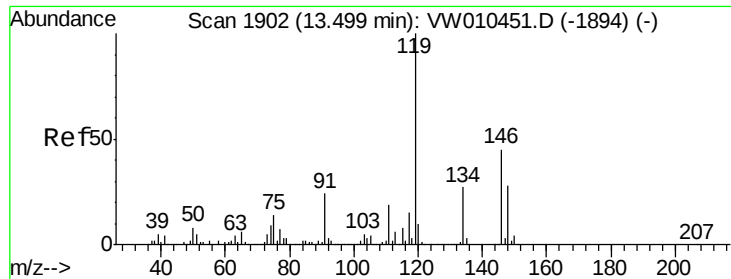


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

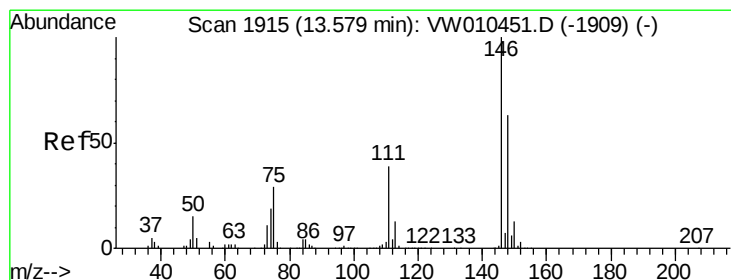
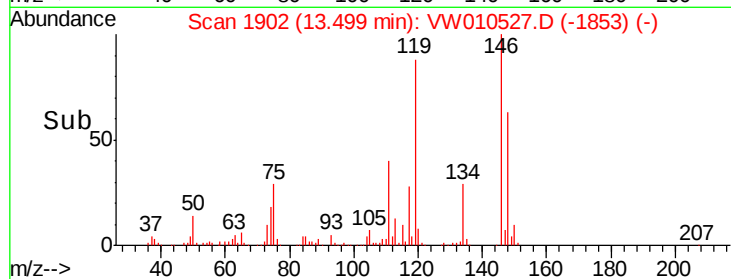
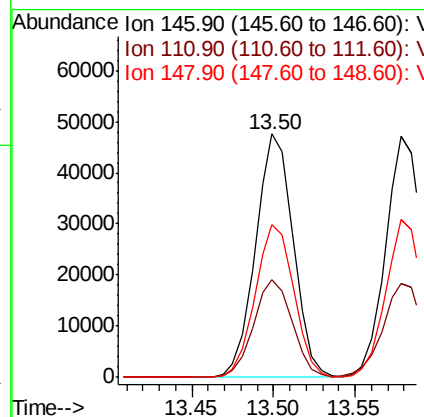
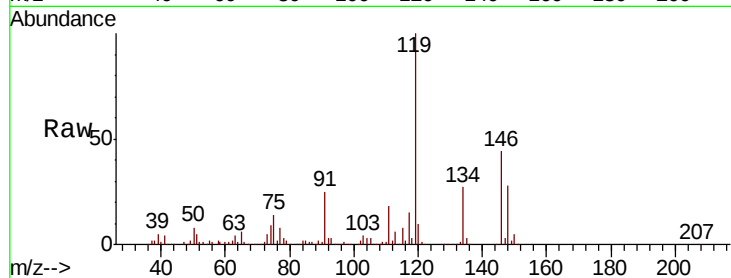




#87
 1,3-Dichlorobenzene
 Concen: 20.127 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010527.D
 Acq: 23 May 2019 13:59

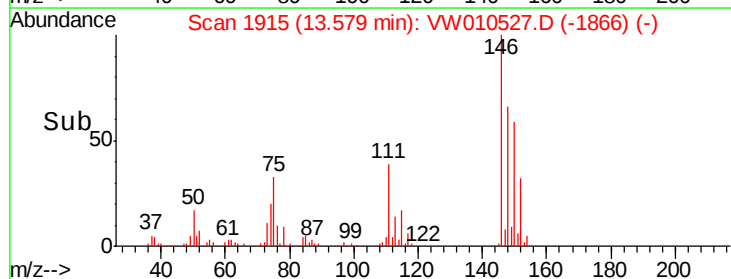
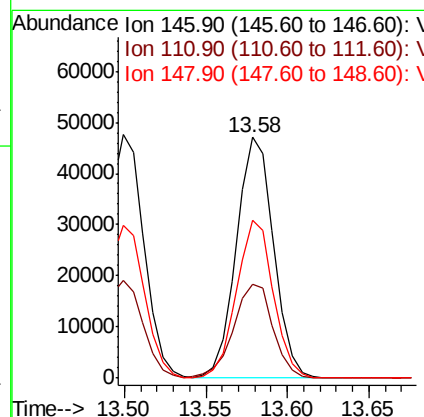
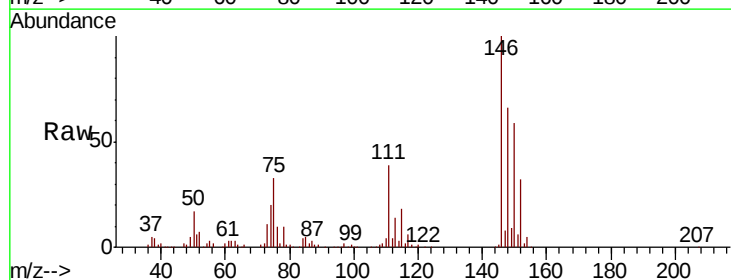
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0523SBSD01

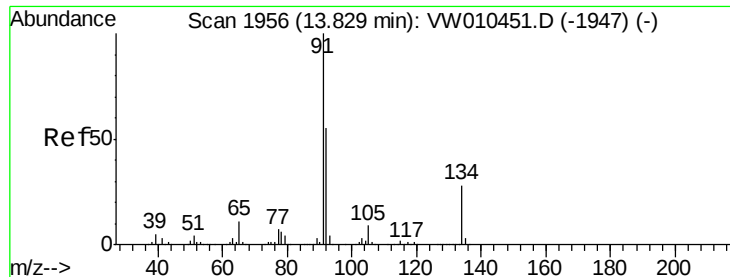
Tot Ion:146 Resp: 76487
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.3 60.9
 148 64.1 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 19.609 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010527.D
 Acq: 23 May 2019 13:59

Tgt Ion:146 Resp: 74766
 Ion Ratio Lower Upper
 146 100
 111 41.6 19.9 59.6
 148 65.0 31.6 94.8





#89

n-Butylbenzene

Concen: 18.975 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010527.D

Acq: 23 May 2019 13:59

Instrument :

MSVOA_W

ClientSampleId :

VW0523SBSD01

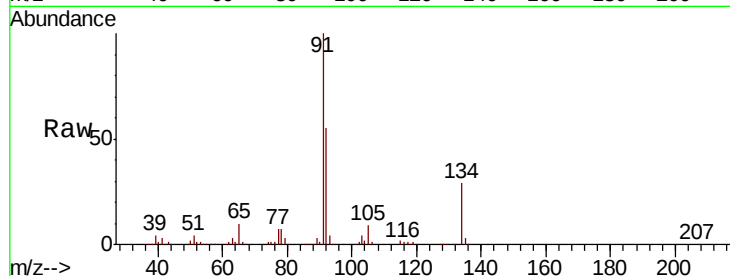
Tot Ion: 91 Resp: 146397

Ion Ratio Lower Upper

91 100

92 55.5 27.7 83.1

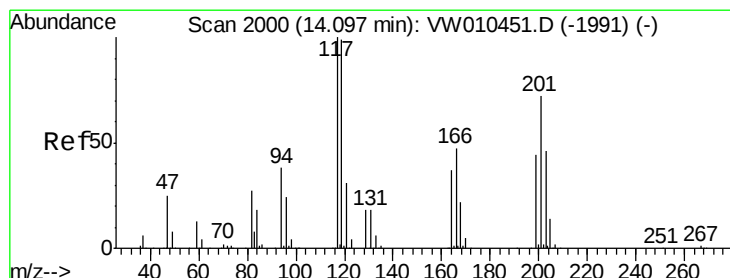
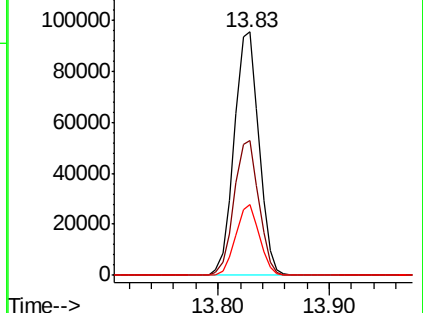
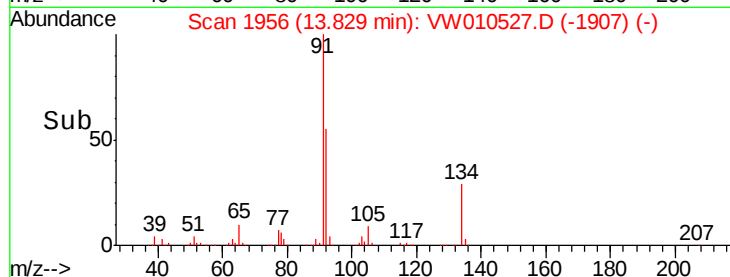
134 28.1 13.9 41.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.355 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010527.D

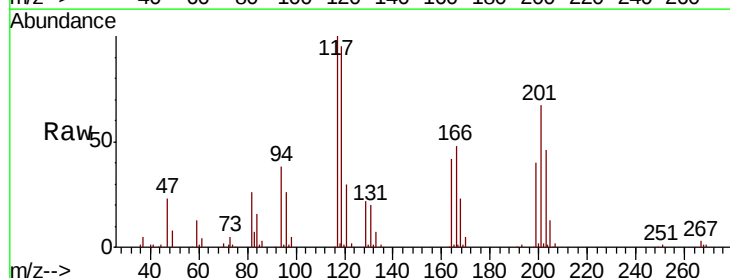
Acq: 23 May 2019 13:59

Tgt Ion: 117 Resp: 30387

Ion Ratio Lower Upper

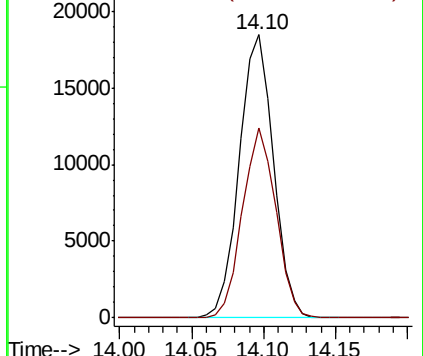
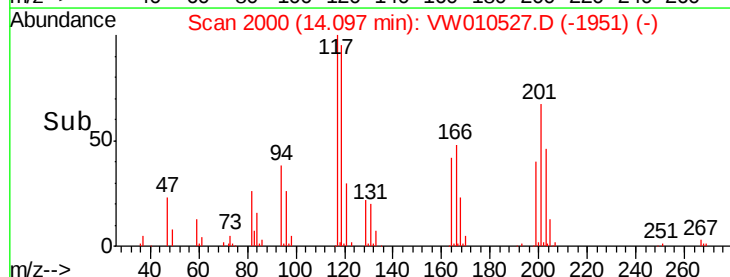
117 100

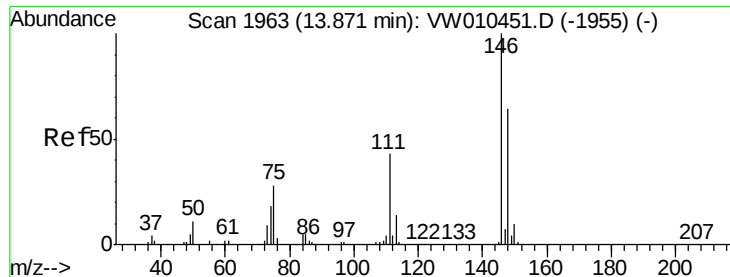
201 65.7 34.6 103.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 19.779 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010527.D

Acq: 23 May 2019 13:59

Instrument :

MSVOA_W

ClientSampleId :

VW0523SBSD01

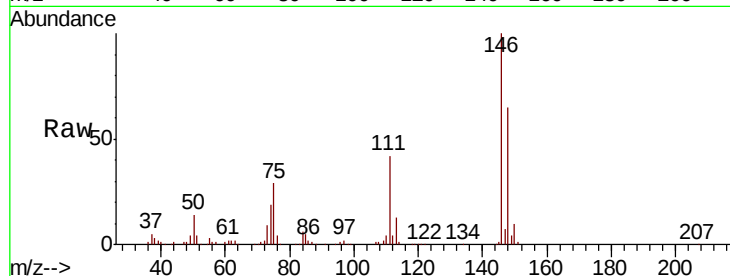
Tot Ion:146 Resp: 68488

Ion Ratio Lower Upper

146 100

111 42.5 21.3 64.0

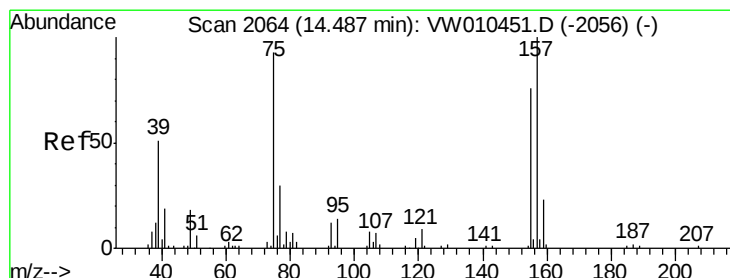
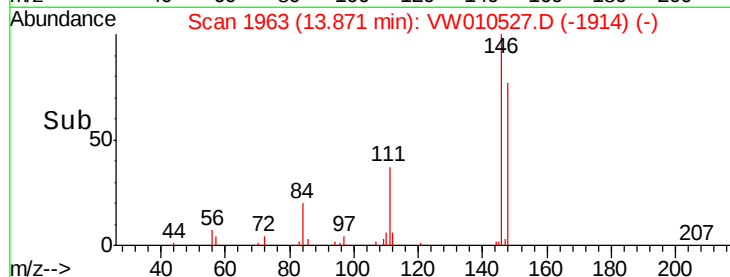
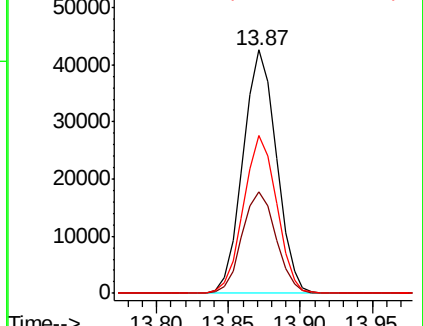
148 64.2 32.0 96.0



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: 17.066 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW010527.D

Acq: 23 May 2019 13:59

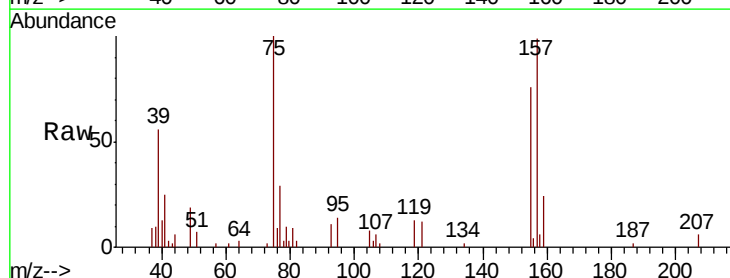
Tgt Ion: 75 Resp: 4996

Ion Ratio Lower Upper

75 100

155 87.8 43.0 129.0

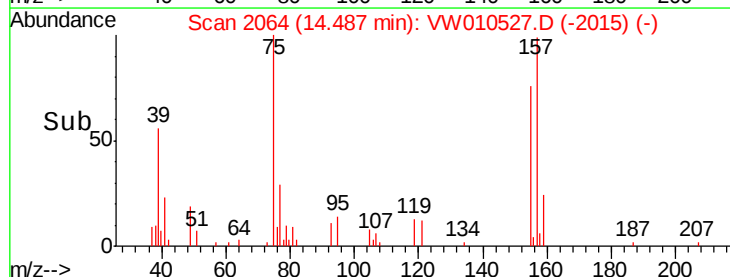
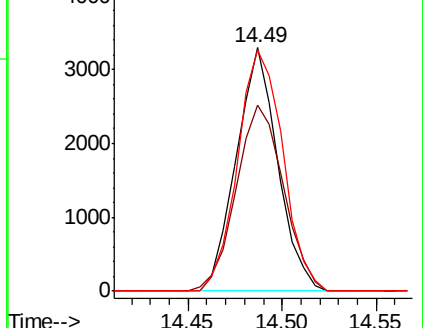
157 108.4 55.7 167.1

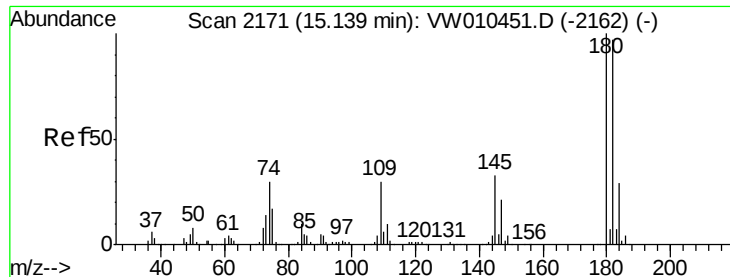


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

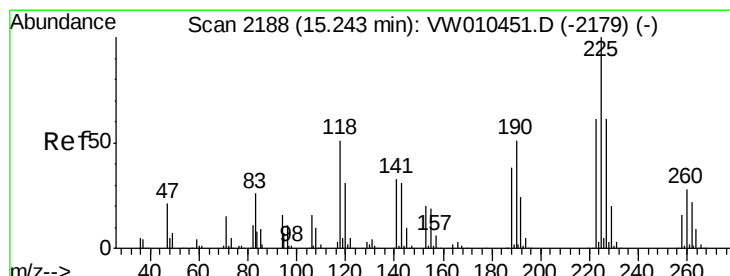
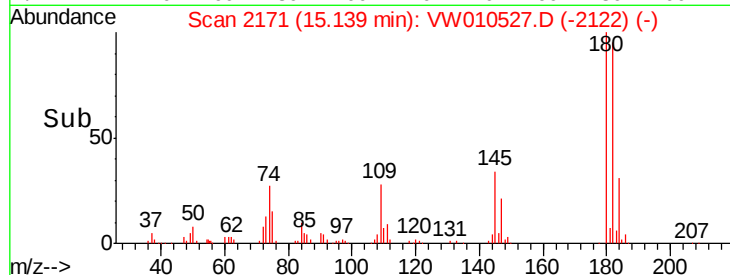
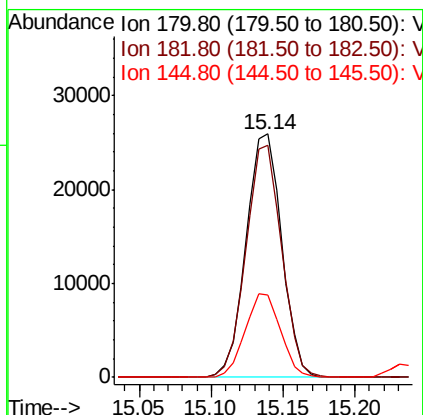
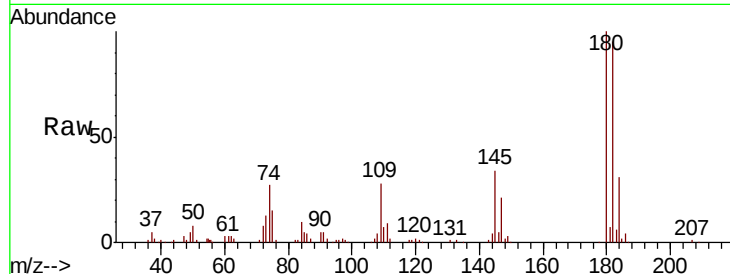




#93
 1,2,4-Trichlorobenzene
 Concen: 18.735 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010527.D
 Acq: 23 May 2019 13:59

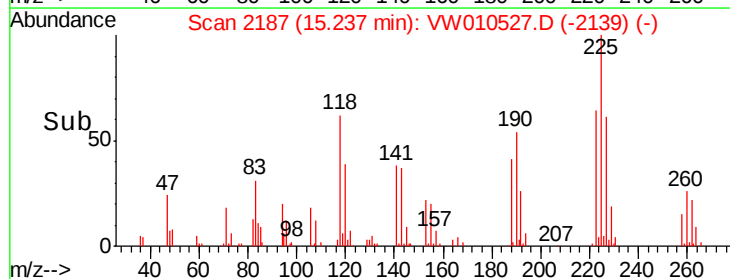
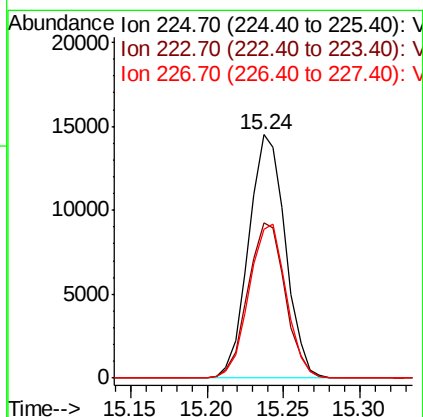
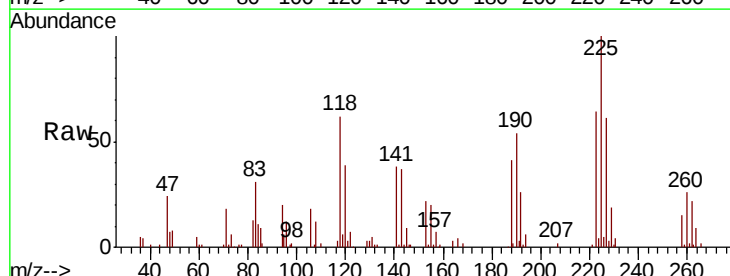
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0523SBSD01

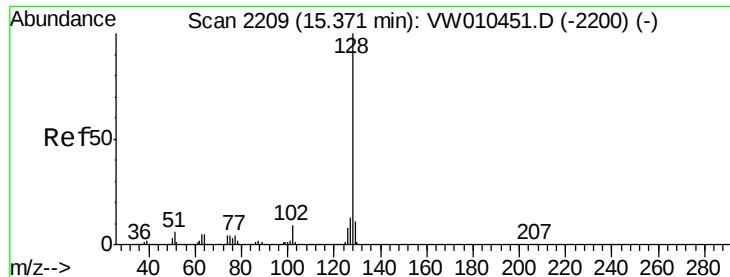
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.0	141.2
145	34.2	16.7	50.0



#94
 Hexachlorobutadiene
 Concen: 19.288 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010527.D
 Acq: 23 May 2019 13:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.1	93.2
227	63.9	31.1	93.5

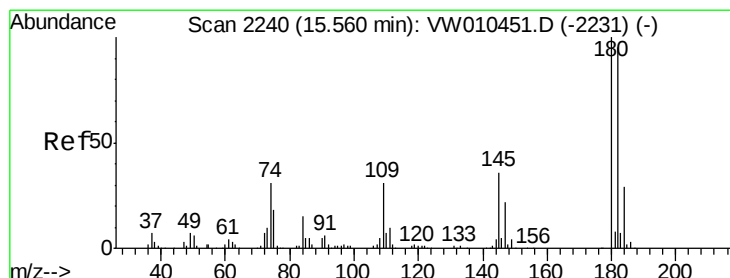
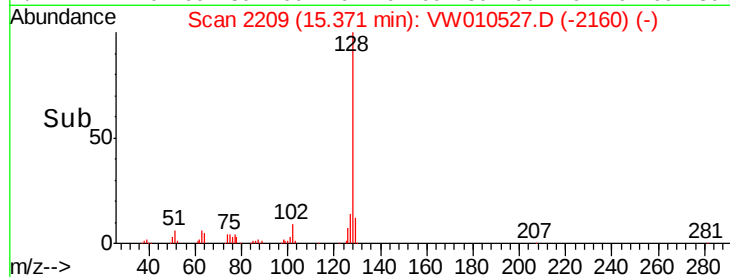
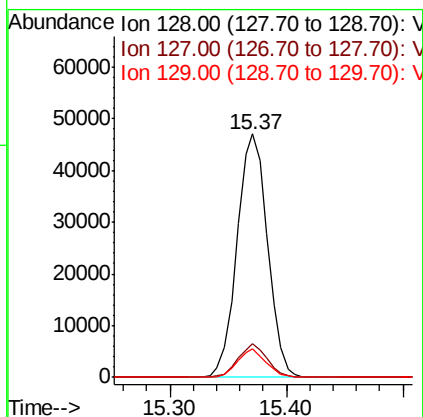
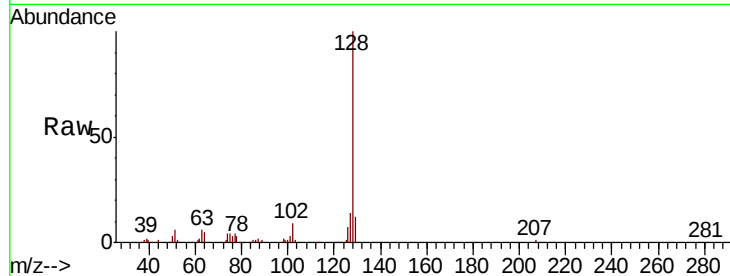




#95
Naphthalene
Concen: 17.401 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010527.D
Acq: 23 May 2019 13:59

Instrument :
MSVOA_W
ClientSampleId :
VW0523SBS01

Tot Ion:128 Resp: 86057
Ion Ratio Lower Upper
128 100
127 13.0 10.6 15.8
129 10.9 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 18.609 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010527.D
Acq: 23 May 2019 13:59

Tgt Ion:180 Resp: 37724
Ion Ratio Lower Upper
180 100
182 97.5 47.1 141.3
145 36.3 17.4 52.3

