

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082119\
 Data File : VW012076.D
 Acq On : 21 Aug 2019 18:08
 Operator : SY/VA
 Sample : VW0821SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBS02

Quant Time: Aug 22 06:38:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	225854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	358813	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	307644	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	150133	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	132118	50.94	ug/l	0.00
Spiked Amount			Recovery	=	101.88%	
35) Dibromofluoromethane	7.88	113	107949	53.63	ug/l	0.00
Spiked Amount			Recovery	=	107.26%	
50) Toluene-d8	10.32	98	440867	53.49	ug/l	0.00
Spiked Amount			Recovery	=	106.98%	
62) 4-Bromofluorobenzene	12.62	95	156276	53.18	ug/l	0.00
Spiked Amount			Recovery	=	106.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	28627	22.743	ug/l	98
3) Chloromethane	2.21	50	46780	21.433	ug/l	98
4) Vinyl Chloride	2.36	62	57145	21.747	ug/l	96
5) Bromomethane	2.77	94	29435	20.237	ug/l	99
6) Chloroethane	2.92	64	32728	21.804	ug/l	100
7) Trichlorofluoromethane	3.25	101	28061	23.894	ug/l	95
8) Diethyl Ether	3.68	74	28321	21.270	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.07	101	50289	22.574	ug/l	99
10) Methyl Iodide	4.28	142	66043	20.978	ug/l	99
11) Tert butyl alcohol	5.17	59	18568	85.264	ug/l	99
12) 1,1-Dichloroethene	4.04	96	50860	21.623	ug/l	98
13) Acrolein	3.89	56	10290	55.297	ug/l	99
14) Allyl chloride	4.67	41	103383	20.665	ug/l	98
15) Acrylonitrile	5.37	53	73604	110.736	ug/l	100
16) Acetone	4.12	43	68771	83.362	ug/l	99
17) Carbon Disulfide	4.39	76	138986	18.879	ug/l	99
18) Methyl Acetate	4.67	43	41933	22.626	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	82382	22.071	ug/l	97
20) Methylene Chloride	4.92	84	57296	20.138	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	53724	21.185	ug/l	98
22) Diisopropyl ether	6.31	45	203022	21.524	ug/l	98
23) Vinyl Acetate	6.25	43	624384	105.350	ug/l	100
24) 1,1-Dichloroethane	6.21	63	108318	21.442	ug/l	99
25) 2-Butanone	7.17	43	106050	98.241	ug/l	98
26) 2,2-Dichloropropane	7.17	77	60106	19.347	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	58947	21.120	ug/l	100
28) Bromochloromethane	7.51	49	48102	21.453	ug/l	98
29) Tetrahydrofuran	7.53	42	70470	114.205	ug/l	97
30) Chloroform	7.68	83	99711	21.395	ug/l	97
31) Cyclohexane	7.95	56	102167	21.069	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	79294	22.341	ug/l	98
36) 1,1-Dichloropropene	8.08	75	81931	21.960	ug/l	98
37) Ethyl Acetate	7.25	43	47594	22.172	ug/l	99
38) Carbon Tetrachloride	8.07	117	70551	22.089	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	92435	22.500	ug/l	98
40) Benzene	8.32	78	228499	21.864	ug/l	98
41) Methacrylonitrile	7.48	41	30307	23.619	ug/l	95
42) 1,2-Dichloroethane	8.40	62	71299	21.791	ug/l	100
43) Isopropyl Acetate	8.42	43	87550	22.178	ug/l	99
44) Trichloroethene	9.09	130	55138	21.951	ug/l	97
45) 1,2-Dichloropropane	9.37	63	60566	21.660	ug/l	96
46) Dibromomethane	9.46	93	28273	22.153	ug/l	98
47) Bromodichloromethane	9.65	83	71506	21.359	ug/l	98
48) Methyl methacrylate	9.43	41	41319	21.789	ug/l	99
49) 1,4-Dioxane	9.45	88	8513	460.671	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	228475	111.268	ug/l	100
52) Toluene	10.39	92	137787	21.832	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	72983	20.869	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	85725	20.616	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	39968	22.072	ug/l	99
56) Ethyl methacrylate	10.65	69	57973	21.878	ug/l	100
57) 1,3-Dichloropropane	10.93	76	75127	21.929	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	150024	124.695	ug/l	98
59) 2-Hexanone	10.97	43	156277	107.791	ug/l	100
60) Dibromochloromethane	11.13	129	42324	21.056	ug/l	98
61) 1,2-Dibromoethane	11.24	107	37138	21.672	ug/l	99
64) Tetrachloroethene	10.86	164	45977	22.953	ug/l	96
65) Chlorobenzene	11.66	112	137334	22.204	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	47456	22.027	ug/l	99
67) Ethyl Benzene	11.73	91	265776	22.562	ug/l	98
68) m/p-Xylenes	11.84	106	194231	45.339	ug/l	98
69) o-Xylene	12.16	106	88318	22.185	ug/l	98
70) Styrene	12.18	104	153550	22.309	ug/l	99
71) Bromoform	12.35	173	23816	21.681	ug/l #	97
73) Isopropylbenzene	12.46	105	252886	22.579	ug/l	100
74) N-amyl acetate	12.27	43	78084	22.268	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	48143	22.852	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	34489m	21.711	ug/l	
77) Bromobenzene	12.75	156	53694	21.689	ug/l	98
78) n-propylbenzene	12.80	91	306990	22.522	ug/l	100
79) 2-Chlorotoluene	12.89	91	176532	22.480	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	212545	22.639	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	14333	20.794	ug/l	92
82) 4-Chlorotoluene	12.99	91	182271	22.123	ug/l	100
83) tert-Butylbenzene	13.21	119	180218	22.954	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	210512	22.258	ug/l	100
85) sec-Butylbenzene	13.38	105	254494	22.717	ug/l	100
86) p-Isopropyltoluene	13.50	119	228609	22.491	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	105305	21.694	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	105279	21.803	ug/l	99
89) n-Butylbenzene	13.82	91	226153	22.296	ug/l	99
90) Hexachloroethane	14.09	117	38566	21.457	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	94142	21.928	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8118	22.597	ug/l	97

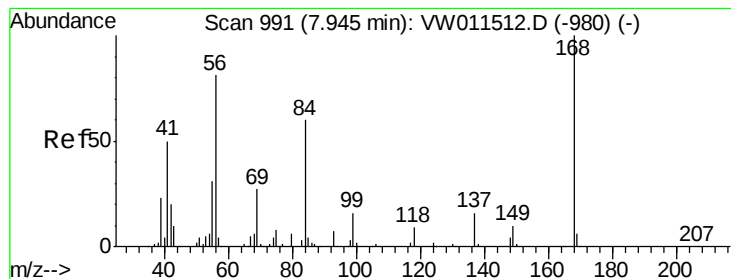
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	64330	21.261	ug/l	98
94) Hexachlorobutadiene	15.24	225	43182	22.885	ug/l	99
95) Naphthalene	15.37	128	118667	21.260	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	57371	21.631	ug/l	98

(#) = 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. -0.00 min

Lab File: VW012076.D

Acq: 21 Aug 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

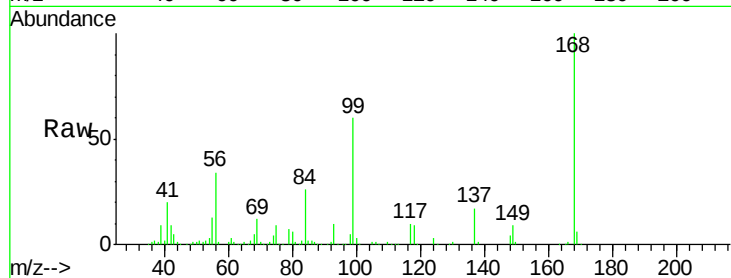
VW0821SBS02

Tot Ion:168 Resp: 225854

Ion Ratio Lower Upper

168 100

99 59.7 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

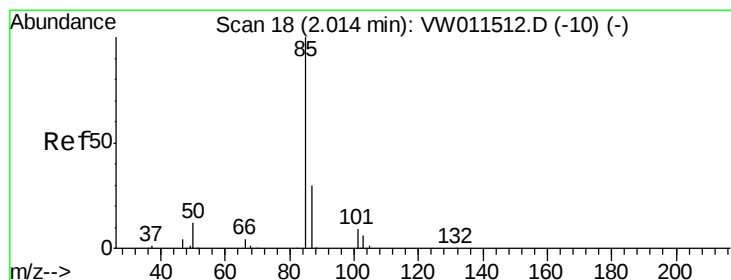
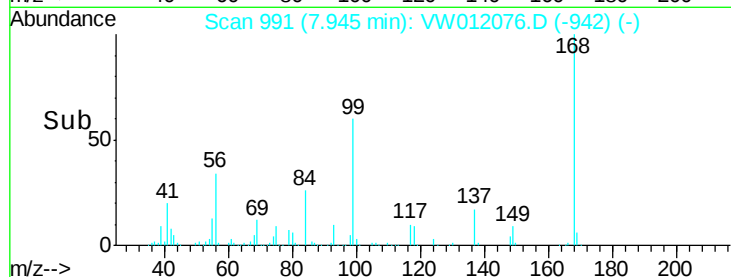
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 22.743 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012076.D

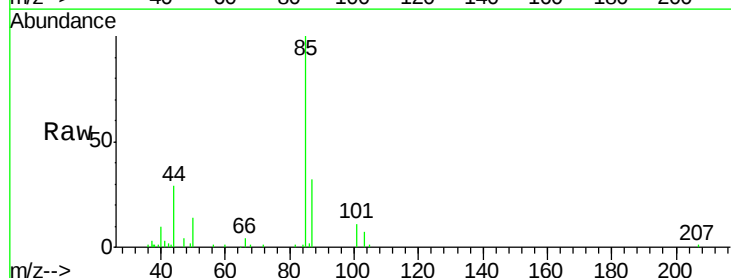
Acq: 21 Aug 2019 18:08

Tgt Ion: 85 Resp: 28627

Ion Ratio Lower Upper

85 100

87 31.7 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

12000

10000

8000

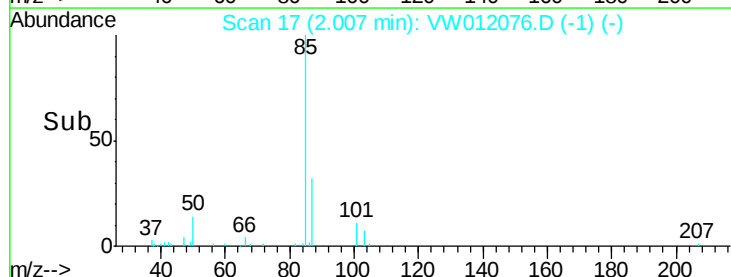
6000

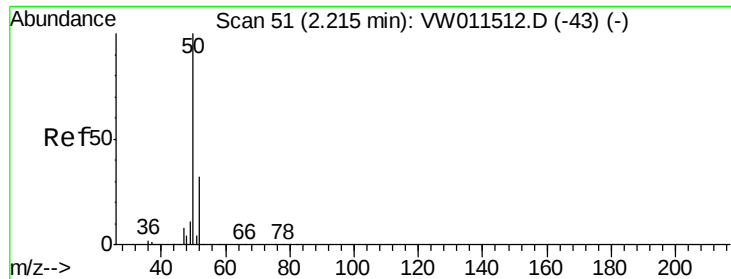
4000

2000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 21.433 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012076.D

Acq: 21 Aug 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

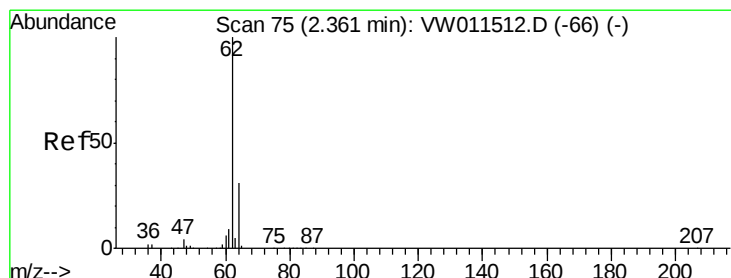
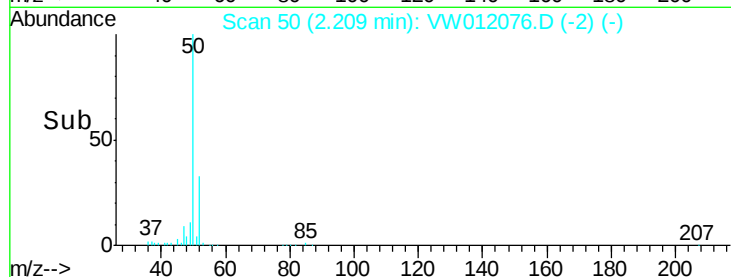
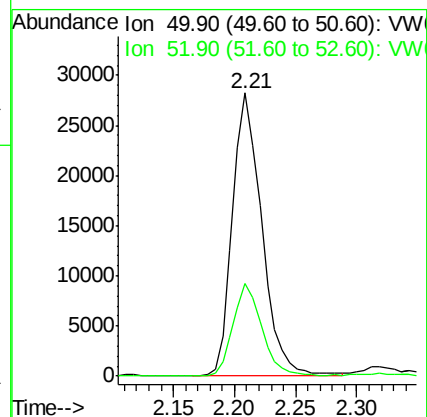
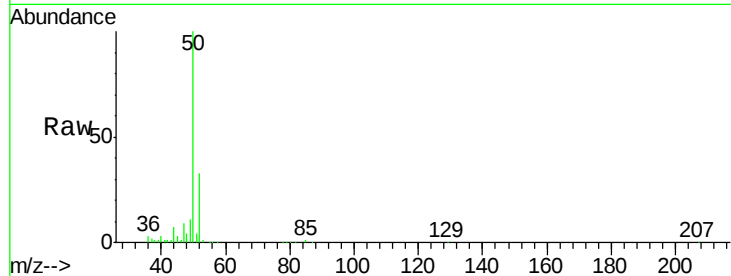
VW0821SBS02

Tot Ion: 50 Resp: 46780

Ion Ratio Lower Upper

50 100

52 32.9 25.4 38.2



#4

Vinyl Chloride

Concen: 21.747 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012076.D

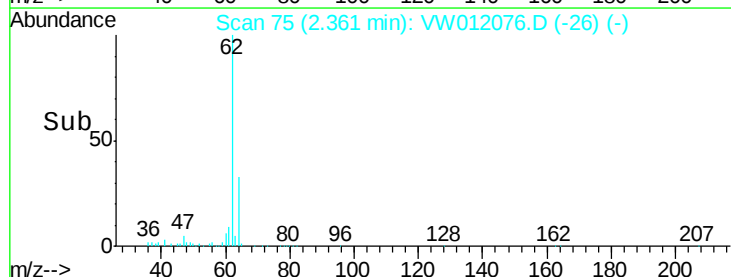
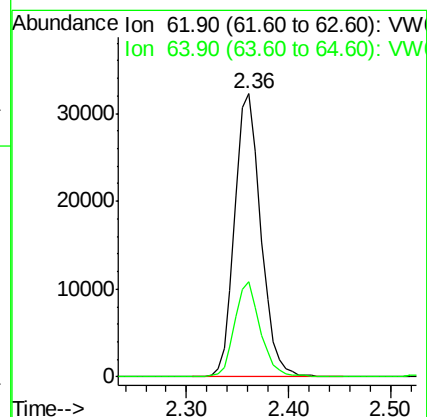
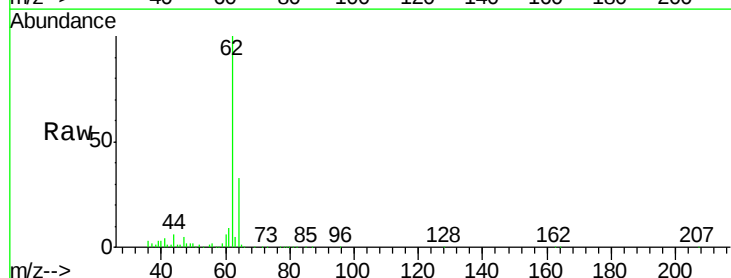
Acq: 21 Aug 2019 18:08

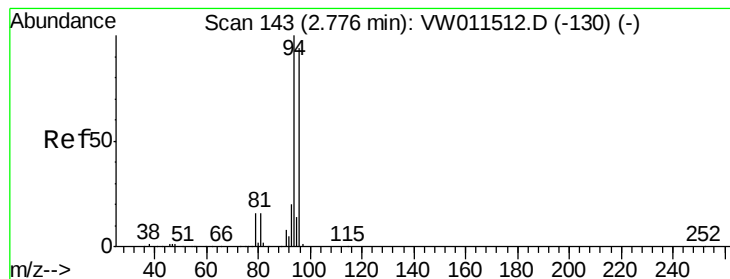
Tgt Ion: 62 Resp: 57145

Ion Ratio Lower Upper

62 100

64 33.5 25.0 37.4





#5

Bromomethane

Concen: 20.237 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW012076.D

Acq: 21 Aug 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

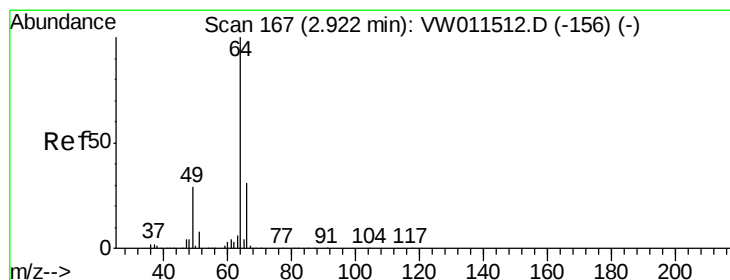
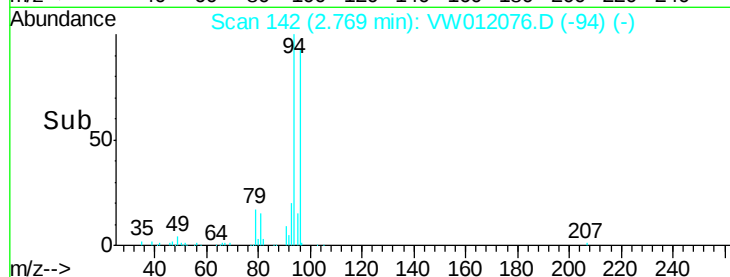
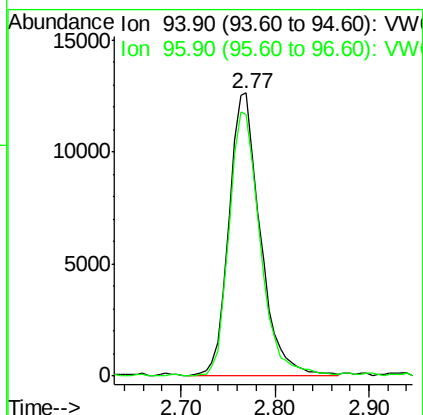
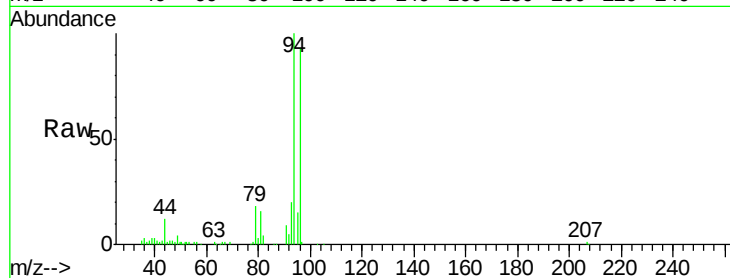
VW0821SBS02

Tot Ion: 94 Resp: 29435

Ion Ratio Lower Upper

94 100

96 92.6 75.0 112.6



#6

Chloroethane

Concen: 21.804 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW012076.D

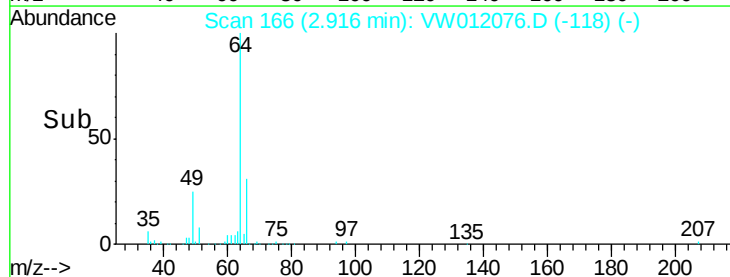
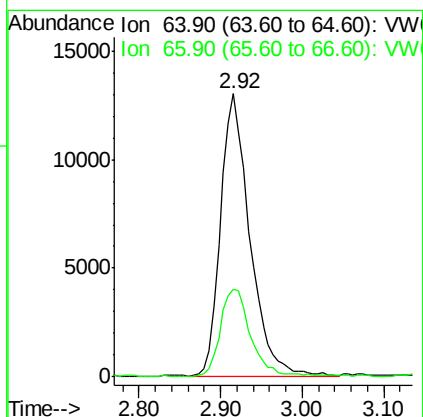
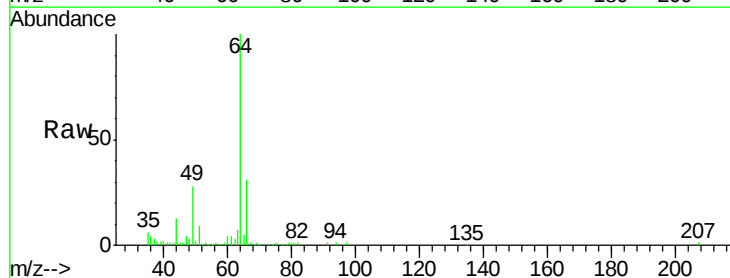
Acq: 21 Aug 2019 18:08

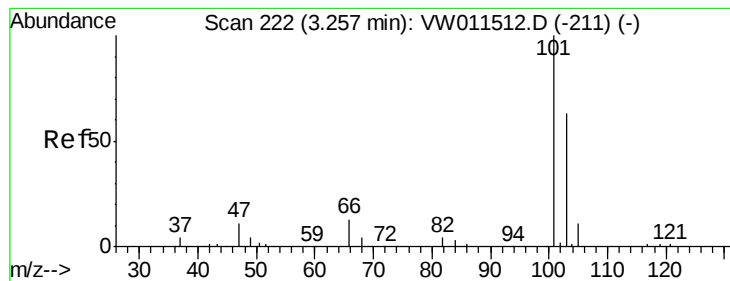
Tgt Ion: 64 Resp: 32728

Ion Ratio Lower Upper

64 100

66 30.8 24.6 36.8



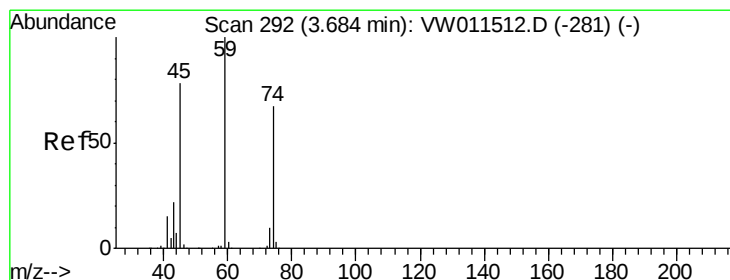
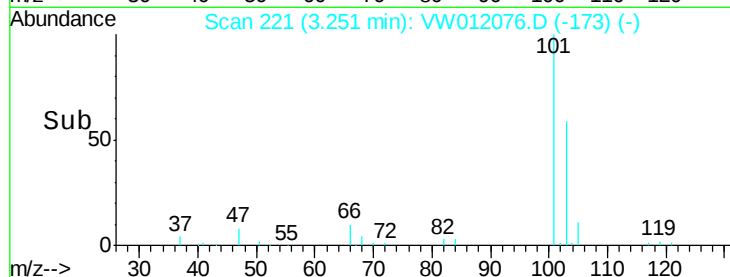
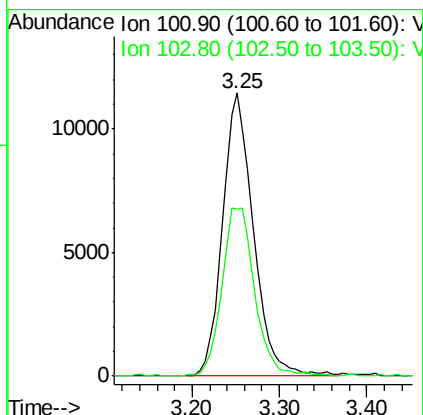
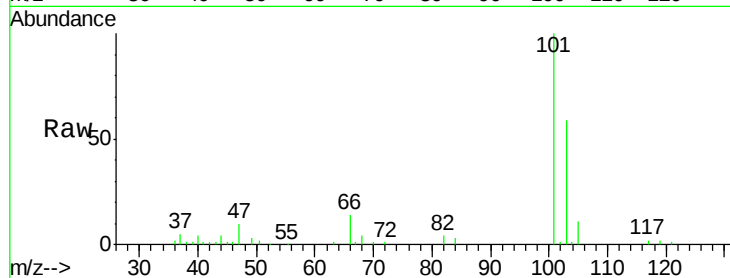


#7

Trichlorofluoromethane
 Concen: 23.894 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW012076.D
 Acq: 21 Aug 2019 18:08

Instrument :
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 VW0821SBS02

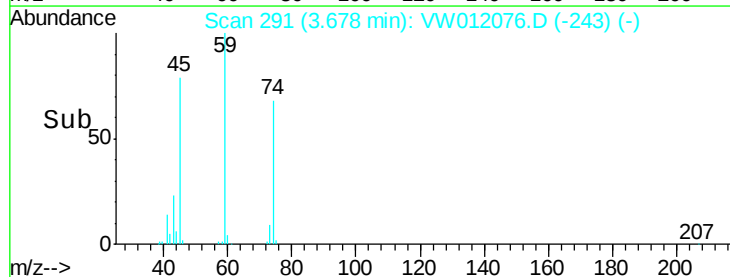
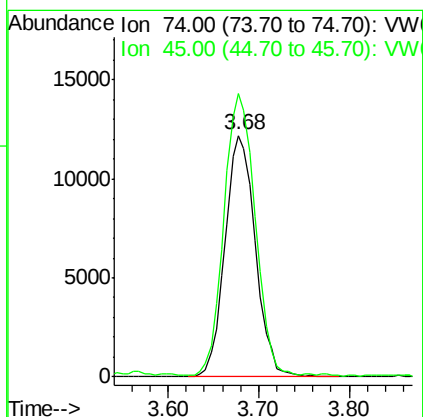
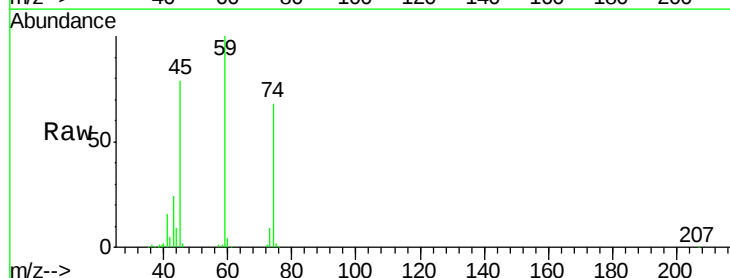
Tot Ion:101 Resp: 28061
 Ion Ratio Lower Upper
 101 100
 103 58.8 50.2 75.4

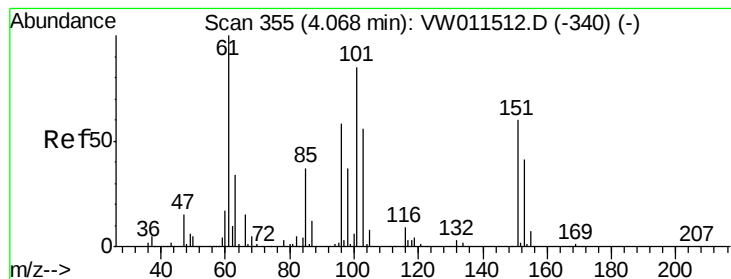


#8

Diethyl Ether
 Concen: 21.270 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW012076.D
 Acq: 21 Aug 2019 18:08

Tgt Ion: 74 Resp: 28321
 Ion Ratio Lower Upper
 74 100
 45 119.5 59.6 178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.574 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW012076.D

Acq: 21 Aug 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS02

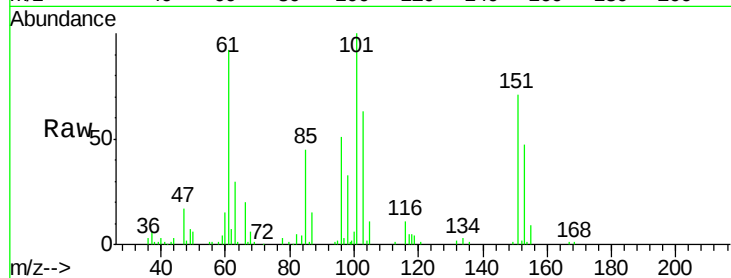
Tot Ion:101 Resp: 50289

Ion Ratio Lower Upper

101 100

85 44.7 36.6 54.8

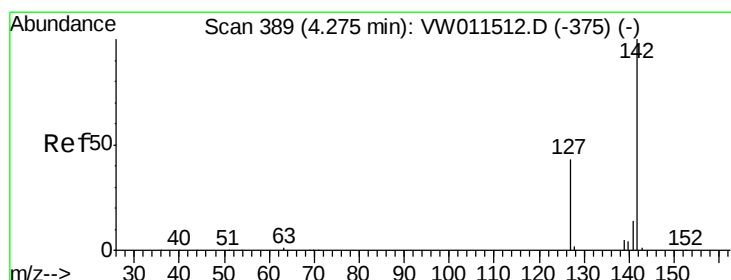
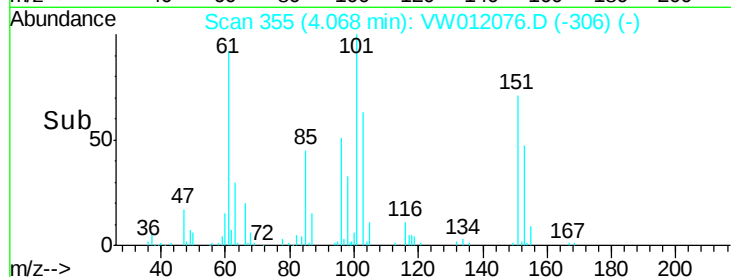
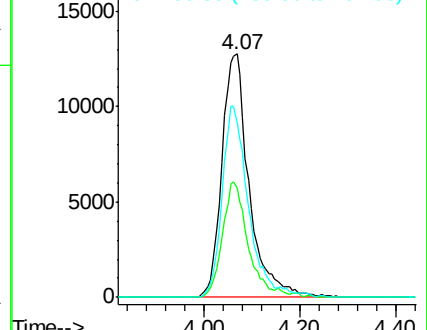
151 76.2 60.2 90.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.978 ug/l

RT: 4.28 min Scan# 389

Delta R.T. -0.00 min

Lab File: VW012076.D

Acq: 21 Aug 2019 18:08

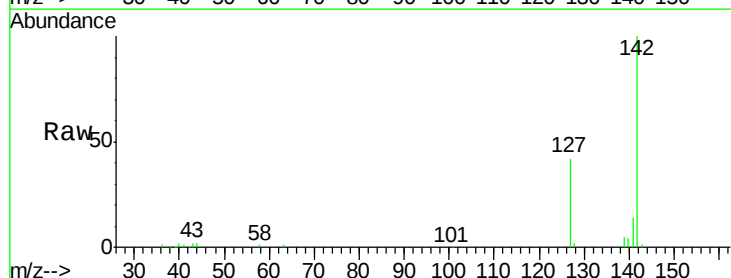
Tgt Ion:142 Resp: 66043

Ion Ratio Lower Upper

142 100

127 44.2 35.0 52.6

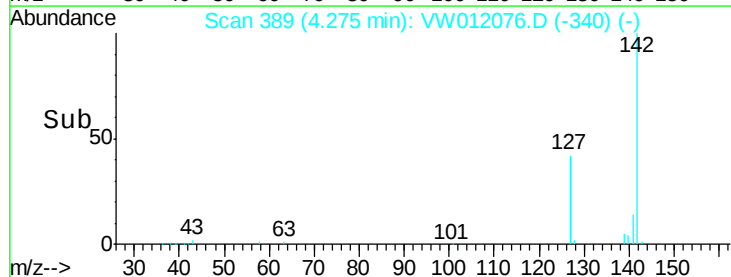
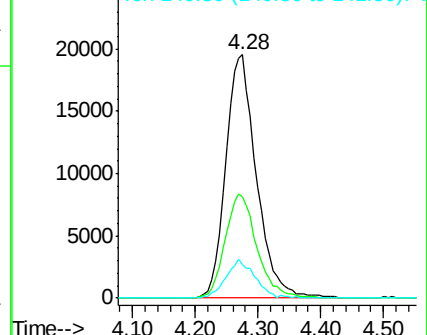
141 14.7 11.9 17.9

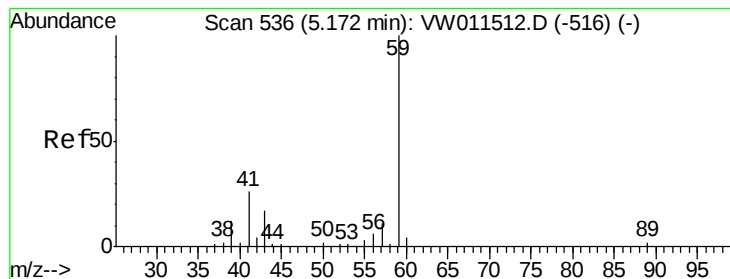


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



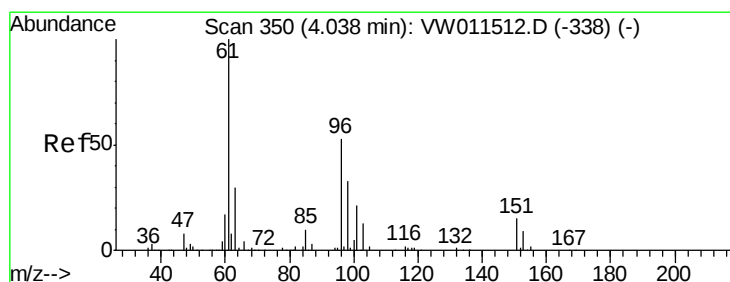
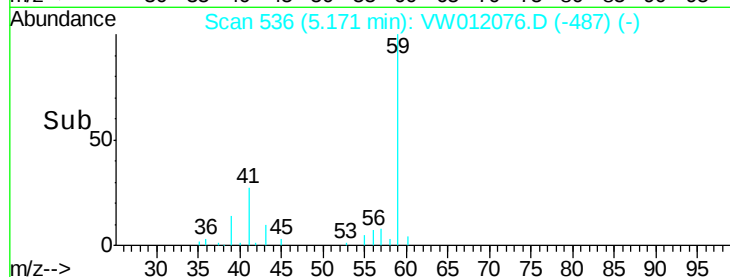
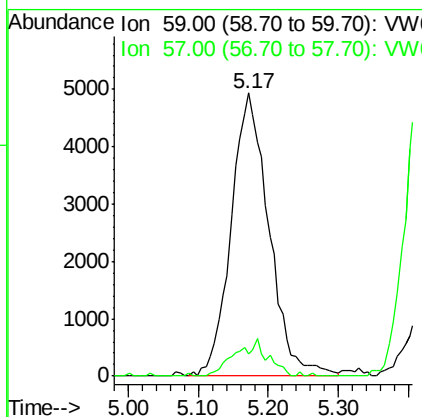
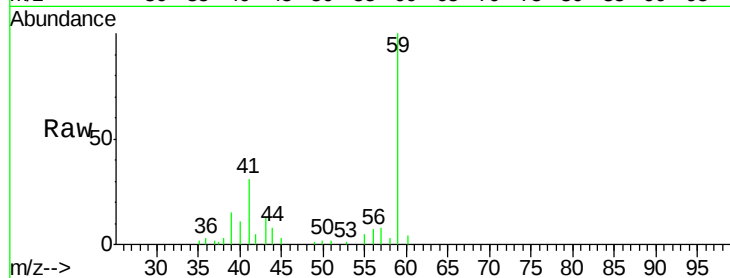


#11

Tert butyl alcohol
 Concen: 85.264 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VW012076.D
 Acq: 21 Aug 2019 18:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBS02

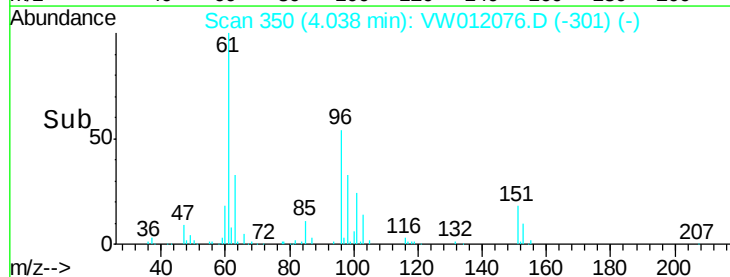
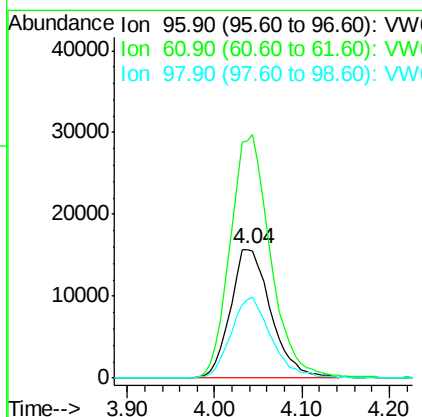
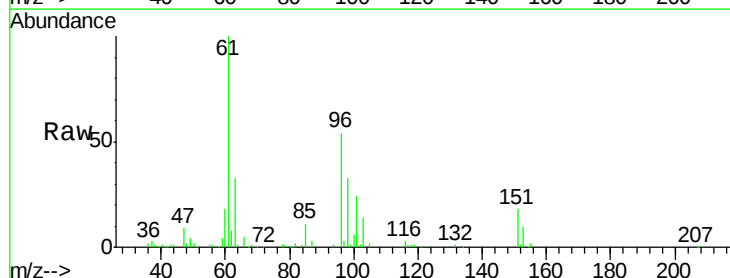
Tot Ion: 59 Resp: 18568
 Ion Ratio Lower Upper
 59 100
 57 11.1 8.5 12.7

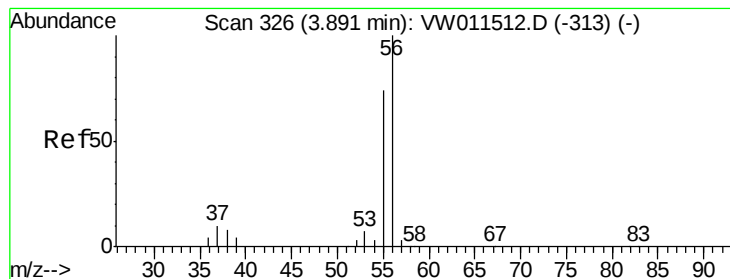


#12

1,1-Dichloroethene
 Concen: 21.623 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW012076.D
 Acq: 21 Aug 2019 18:08

Tgt Ion: 96 Resp: 50860
 Ion Ratio Lower Upper
 96 100
 61 184.3 149.9 224.9
 98 61.1 49.1 73.7





#13

Acrolein

Concen: 55.297 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012076.D

Acq: 21 Aug 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

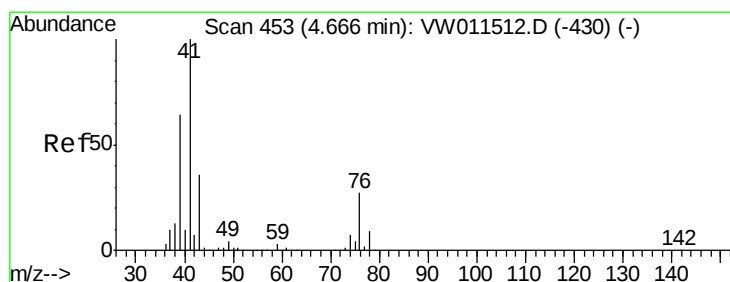
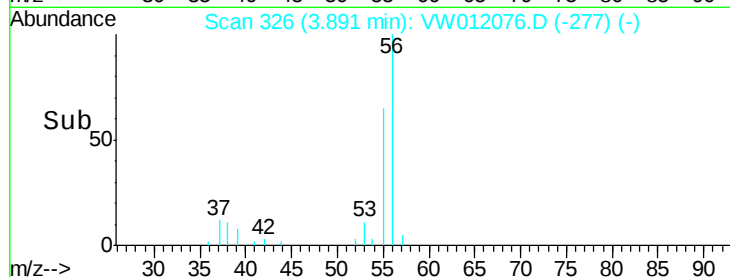
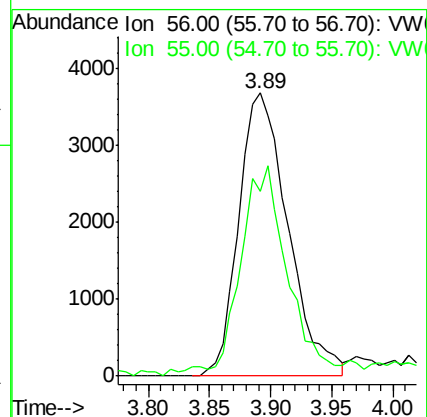
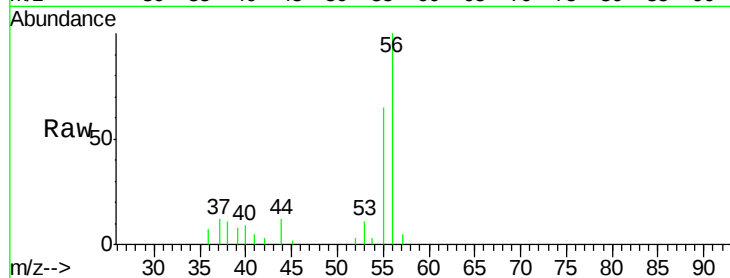
VW0821SBS02

Tot Ion: 56 Resp: 10290

Ion Ratio Lower Upper

56 100

55 71.0 56.0 84.0



#14

Allyl chloride

Concen: 20.665 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012076.D

Acq: 21 Aug 2019 18:08

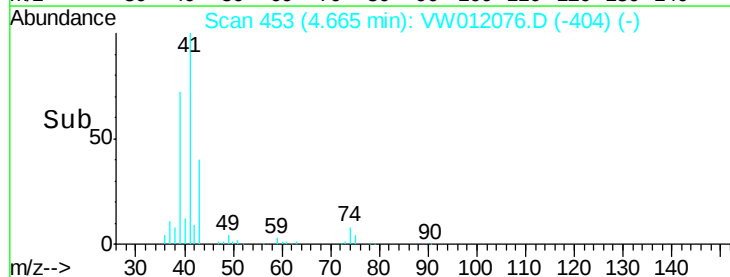
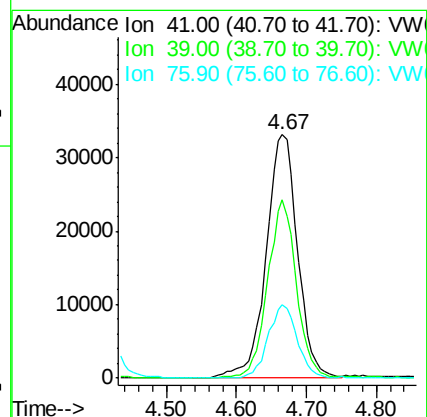
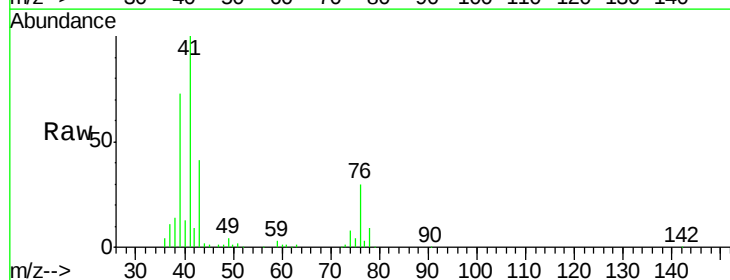
Tgt Ion: 41 Resp: 103383

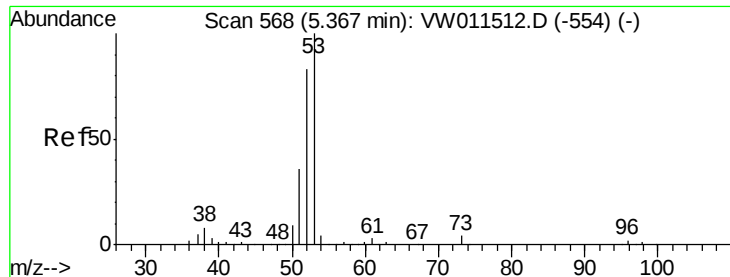
Ion Ratio Lower Upper

41 100

39 67.8 52.6 78.8

76 28.1 22.0 33.0





#15

Acrylonitrile

Concen: 110.736 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012076.D

Acq: 21 Aug 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS02

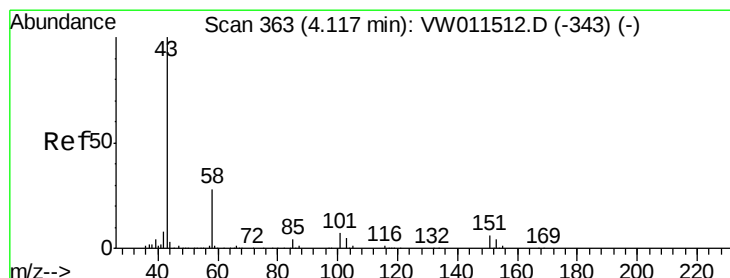
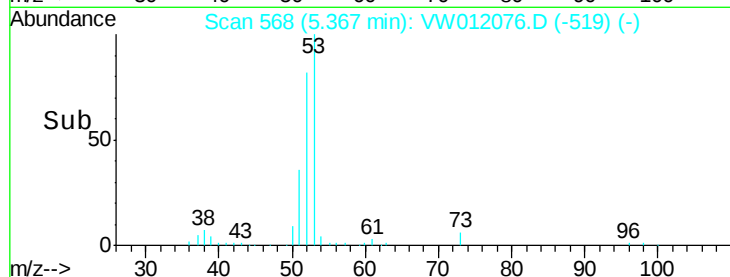
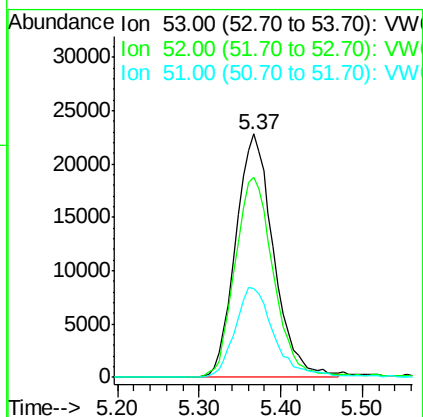
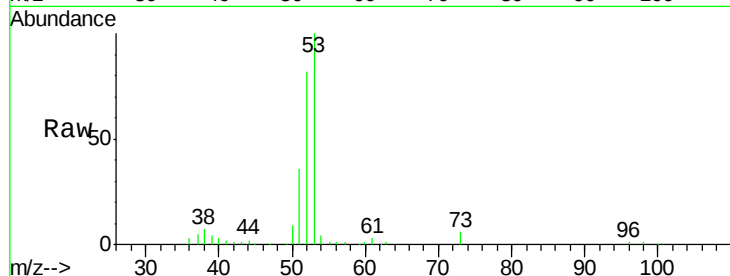
Tot Ion: 53 Resp: 73604

Ion Ratio Lower Upper

53 100

52 83.7 67.2 100.8

51 37.6 30.0 45.0



#16

Acetone

Concen: 83.362 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW012076.D

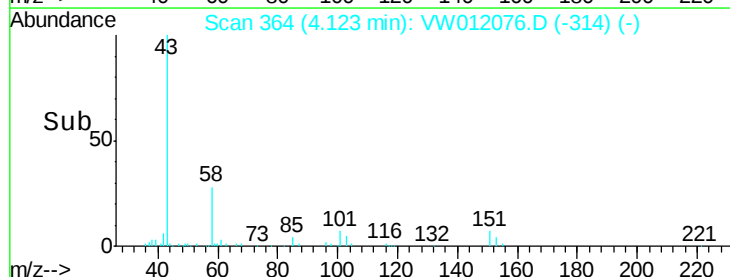
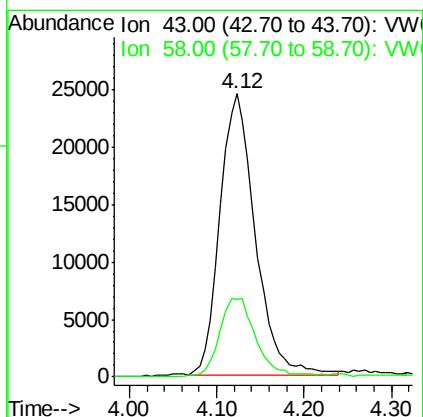
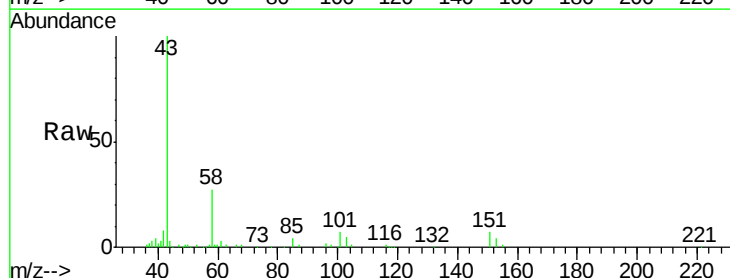
Acq: 21 Aug 2019 18:08

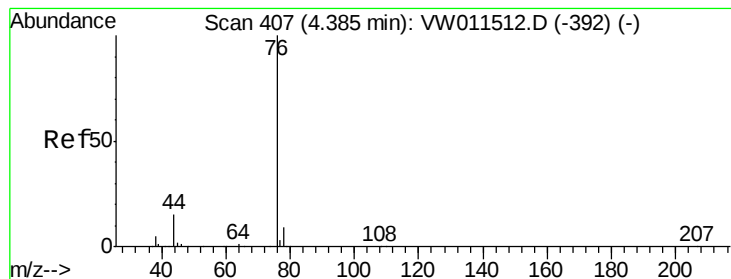
Tgt Ion: 43 Resp: 68771

Ion Ratio Lower Upper

43 100

58 27.2 22.3 33.5





#17

Carbon Disulfide

Concen: 18.879 ug/l

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW012076.D

Acq: 21 Aug 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

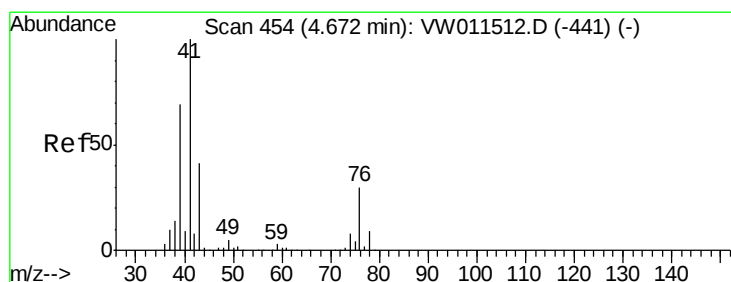
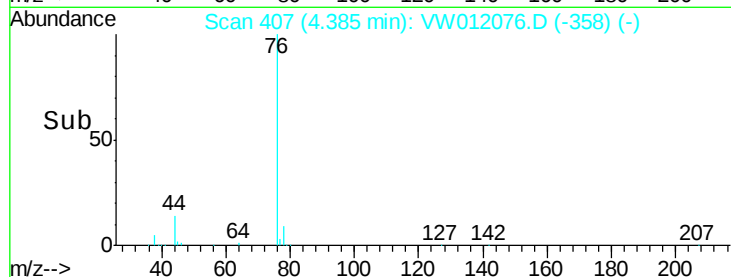
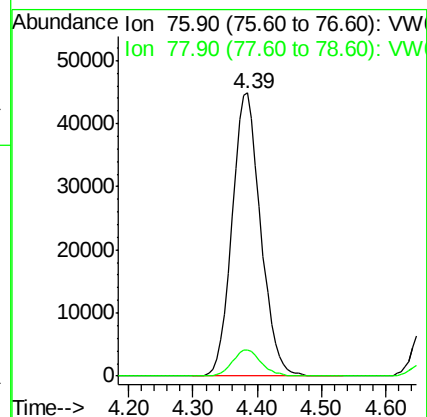
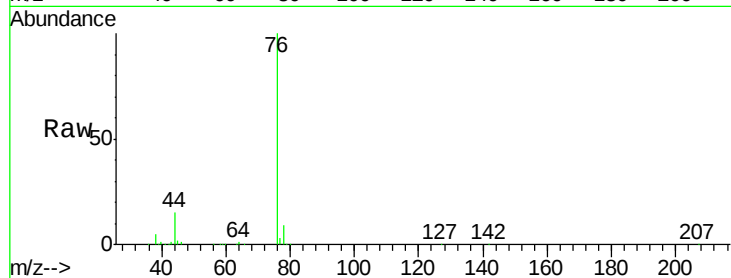
VW0821SBS02

Tot Ion: 76 Resp: 138986

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7



#18

Methyl Acetate

Concen: 22.626 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW012076.D

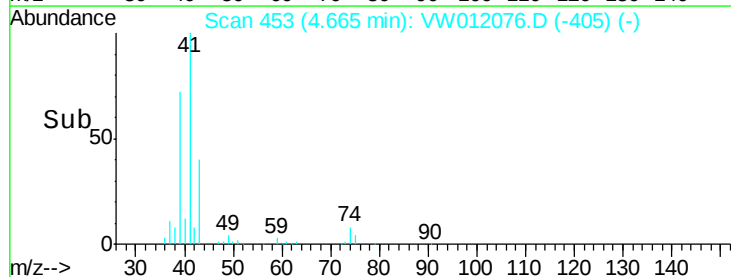
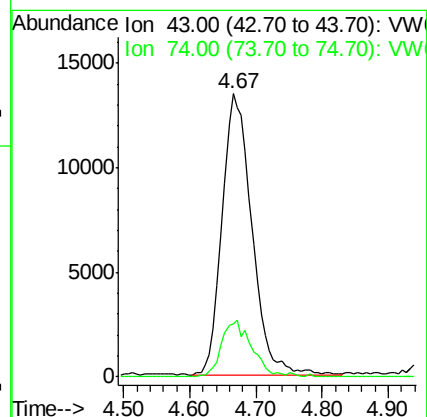
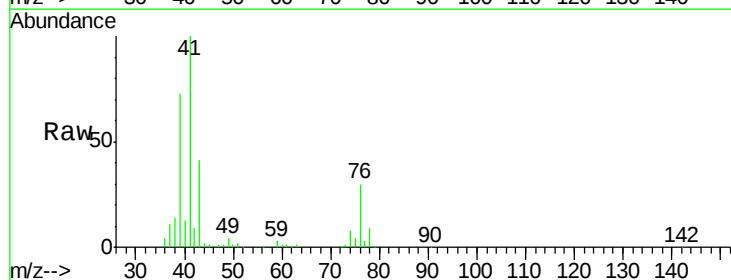
Acq: 21 Aug 2019 18:08

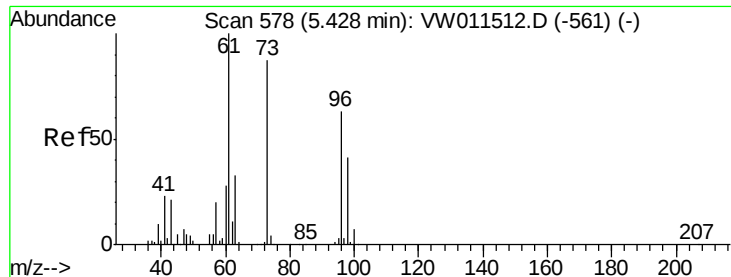
Tgt Ion: 43 Resp: 41933

Ion Ratio Lower Upper

43 100

74 20.1 15.9 23.9

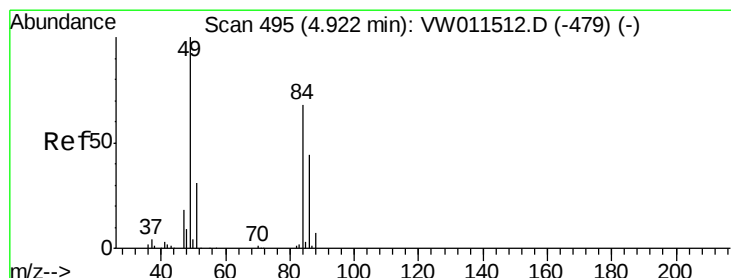
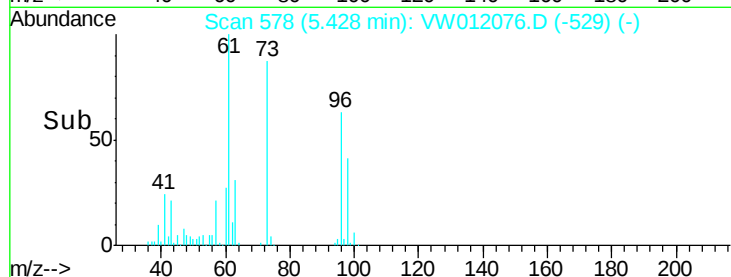
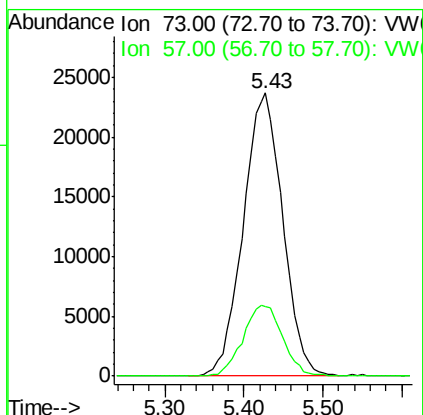
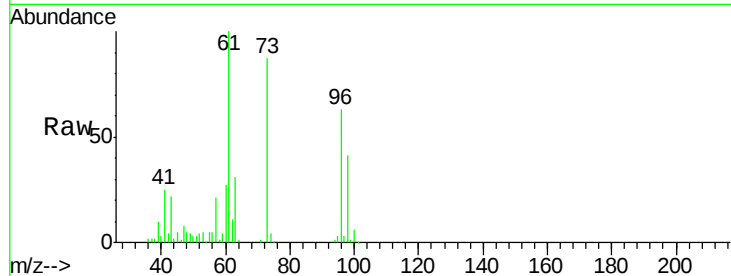




#19
Methyl tert-butyl Ether
Concen: 22.071 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW012076.D
Acq: 21 Aug 2019 18:08

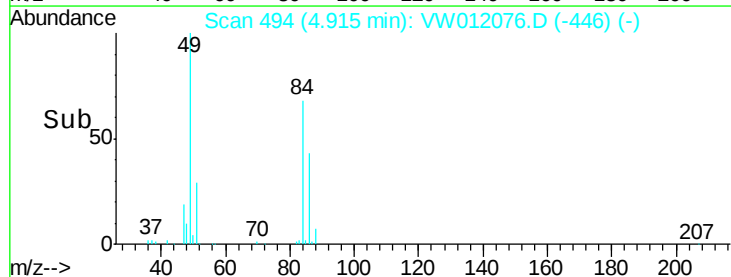
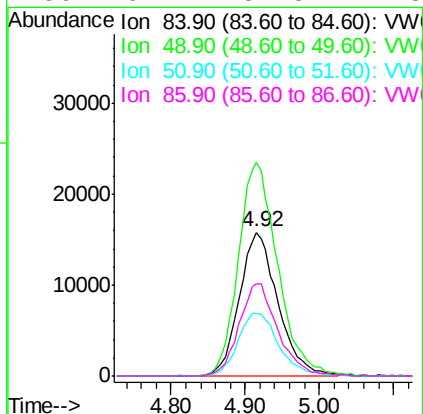
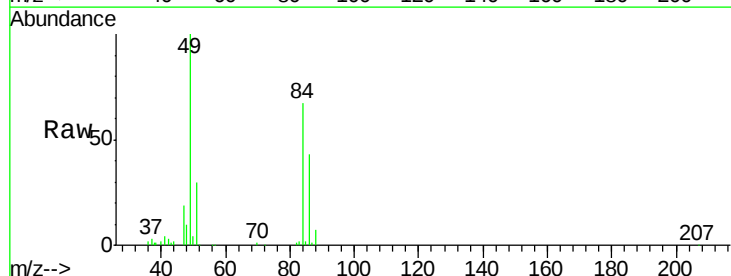
Instrument :
MSVOA_W
ClientSampleId :
VW0821SBS02

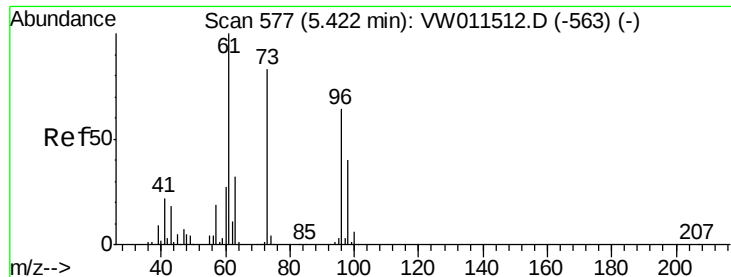
Tot Ion: 73 Resp: 82382
Ion Ratio Lower Upper
73 100
57 24.5 18.4 27.6



#20
Methylene Chloride
Concen: 20.138 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012076.D
Acq: 21 Aug 2019 18:08

Tgt Ion: 84 Resp: 57296
Ion Ratio Lower Upper
84 100
49 148.5 117.8 176.6
51 44.0 37.0 55.4
86 64.1 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 21.185 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012076.D

Acq: 21 Aug 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS02

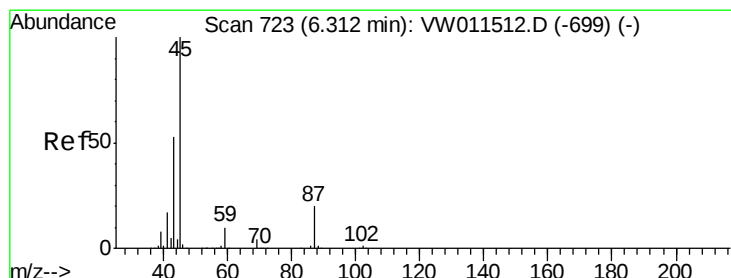
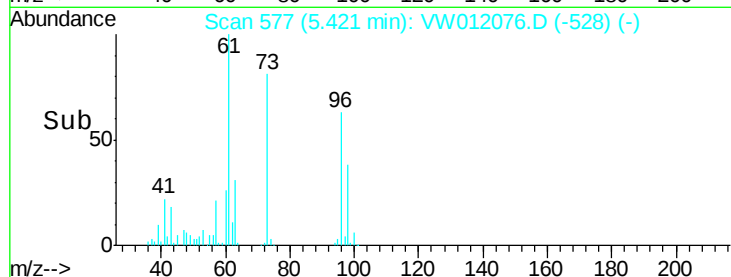
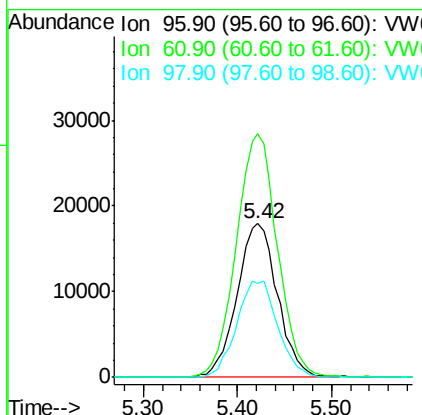
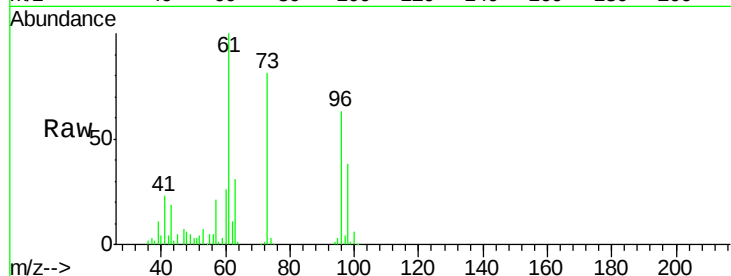
Tot Ion: 96 Resp: 53724

Ion Ratio Lower Upper

96 100

61 158.7 125.7 188.5

98 61.0 50.3 75.5



#22

Diisopropyl ether

Concen: 21.524 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW012076.D

Acq: 21 Aug 2019 18:08

Tgt Ion: 45 Resp: 203022

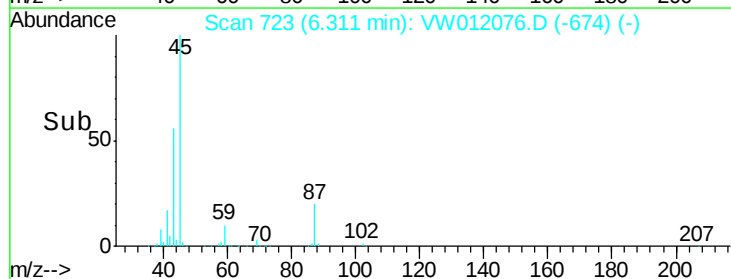
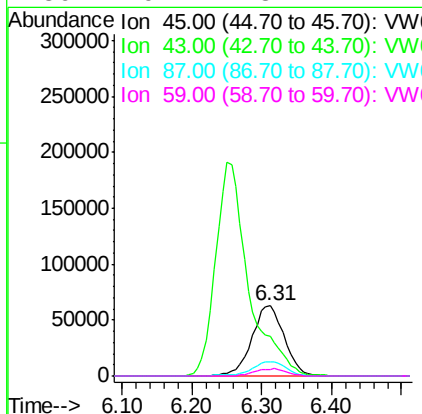
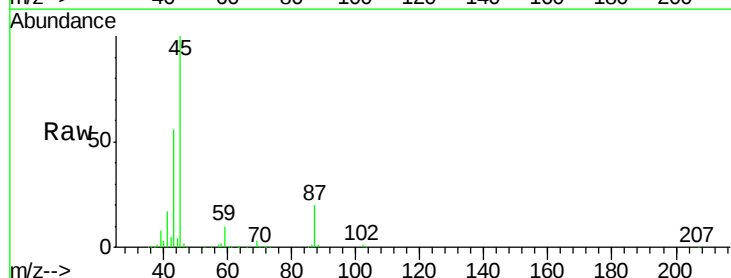
Ion Ratio Lower Upper

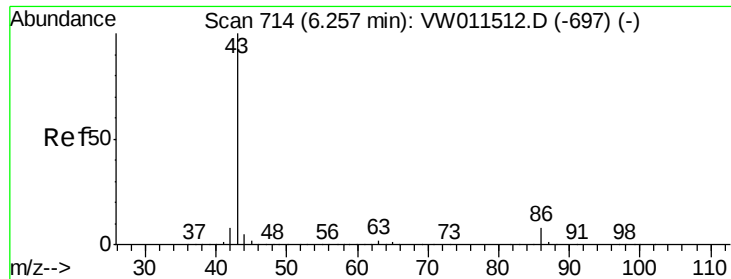
45 100

43 55.2 42.6 63.8

87 20.1 16.4 24.6

59 9.4 8.2 12.2





#23

Vinyl Acetate

Concen: 105.350 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW012076.D

Acq: 21 Aug 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

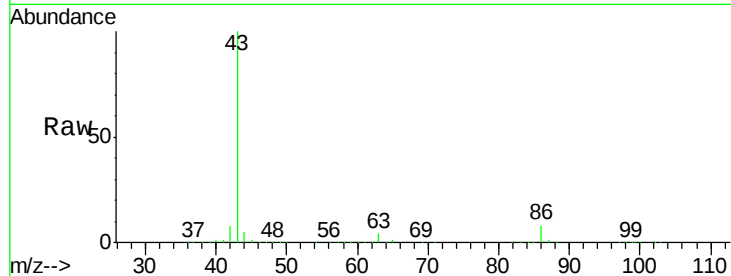
VW0821SBS02

Tot Ion: 43 Resp: 624384

Ion Ratio Lower Upper

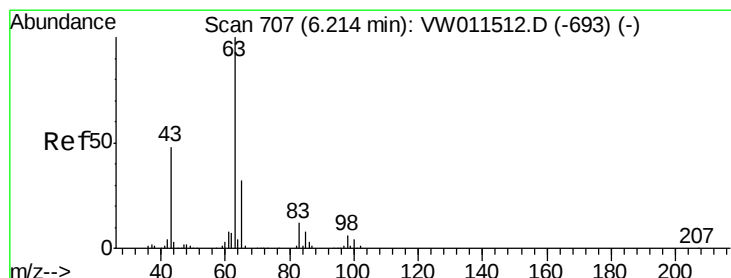
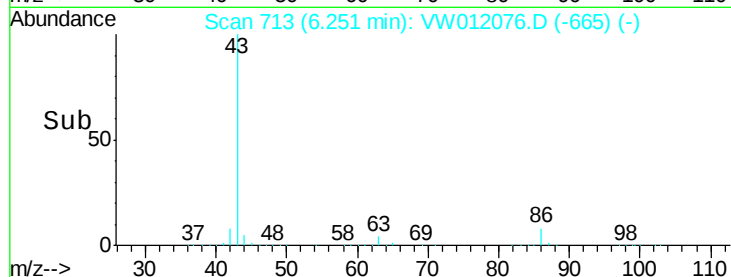
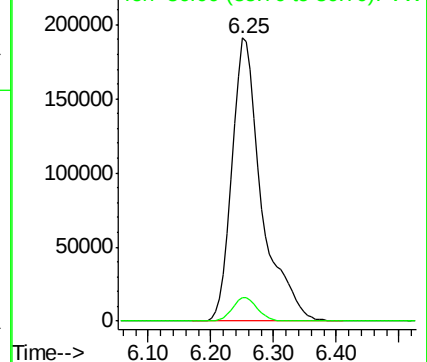
43 100

86 8.2 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 21.442 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012076.D

Acq: 21 Aug 2019 18:08

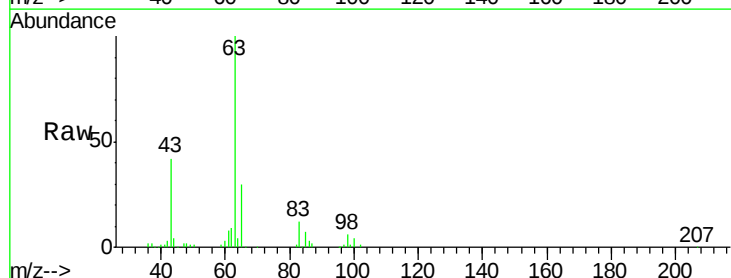
Tgt Ion: 63 Resp: 108318

Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.8

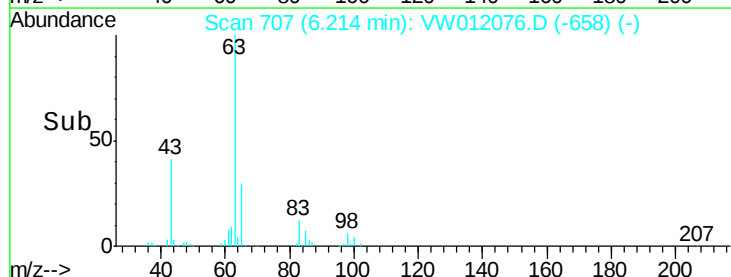
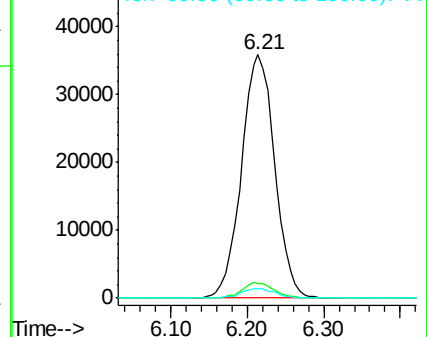
100 3.9 2.1 6.3

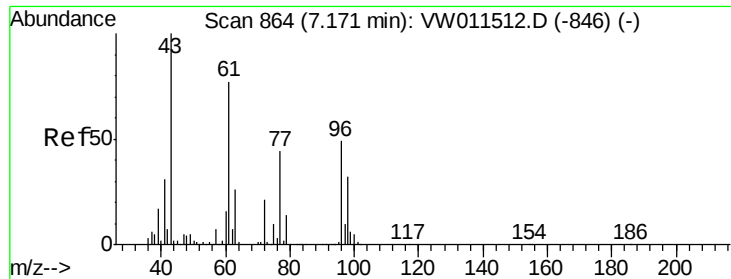


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 98.241 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012076.D

Acq: 21 Aug 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

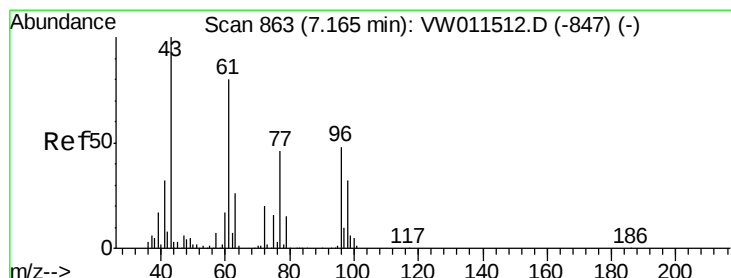
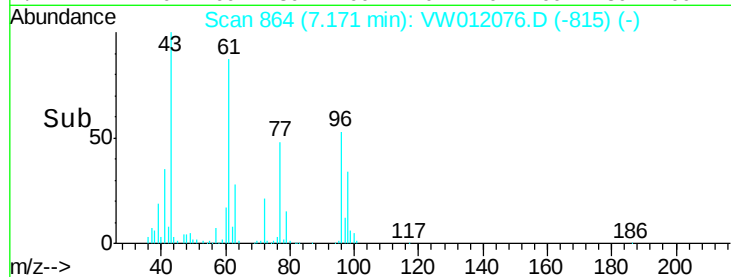
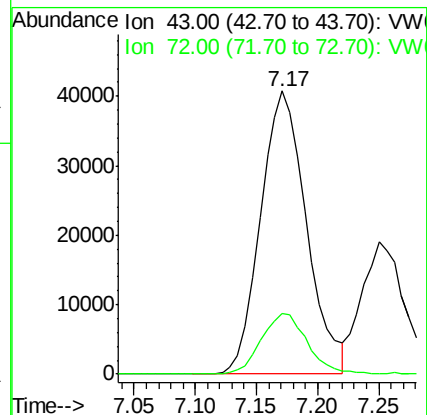
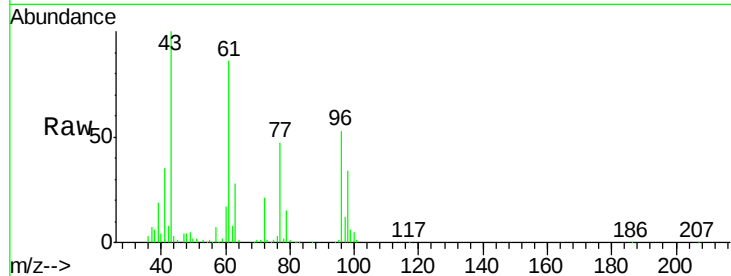
VW0821SBS02

Tot Ion: 43 Resp: 106050

Ion Ratio Lower Upper

43 100

72 21.4 16.6 24.8



#26

2,2-Dichloropropane

Concen: 19.347 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012076.D

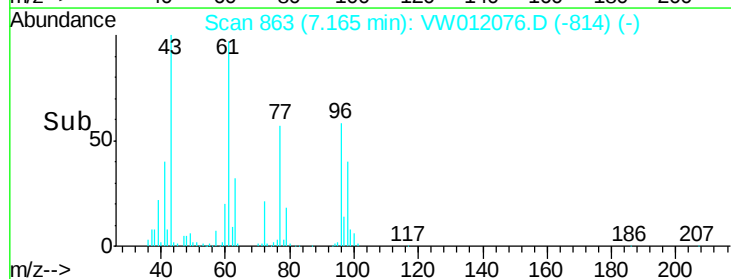
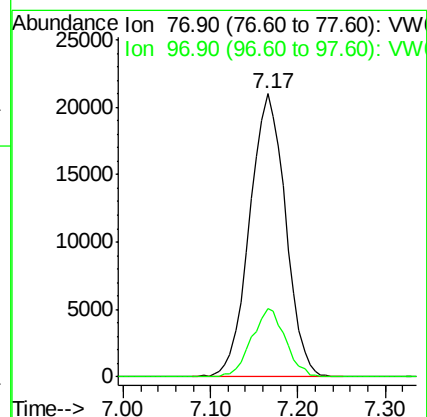
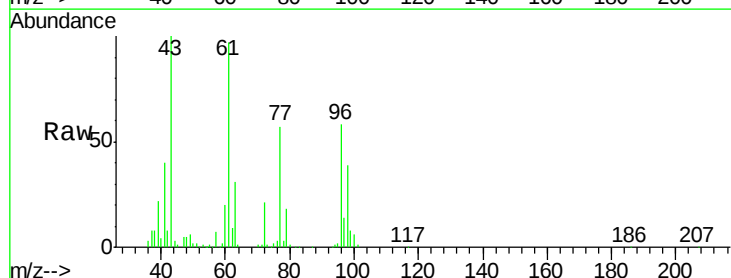
Acq: 21 Aug 2019 18:08

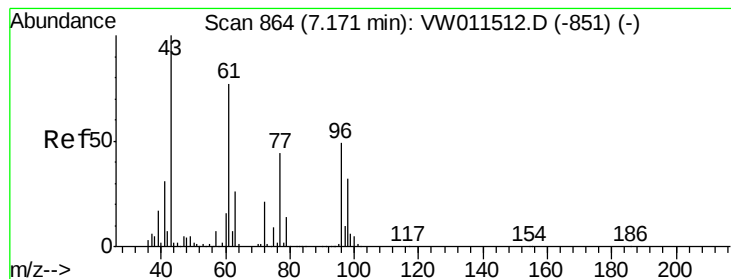
Tgt Ion: 77 Resp: 60106

Ion Ratio Lower Upper

77 100

97 22.7 10.8 32.4





#27

cis-1,2-Dichloroethene

Concen: 21.120 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012076.D

Acq: 21 Aug 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS02

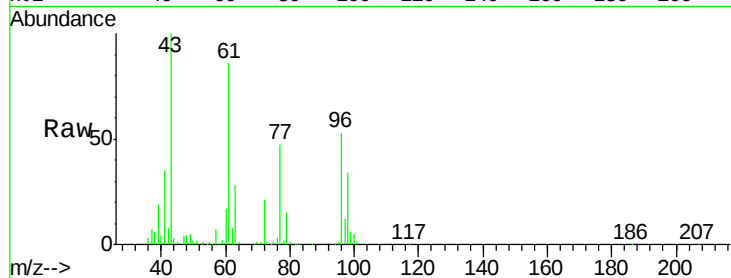
Tot Ion: 96 Resp: 58947

Ion Ratio Lower Upper

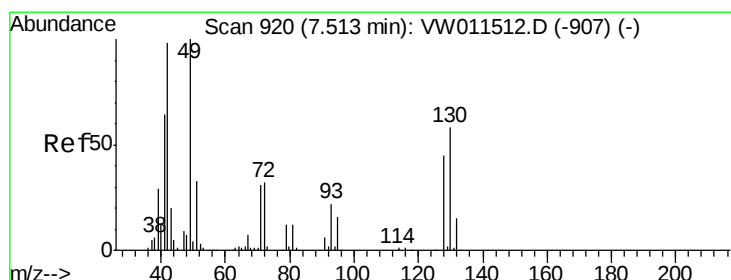
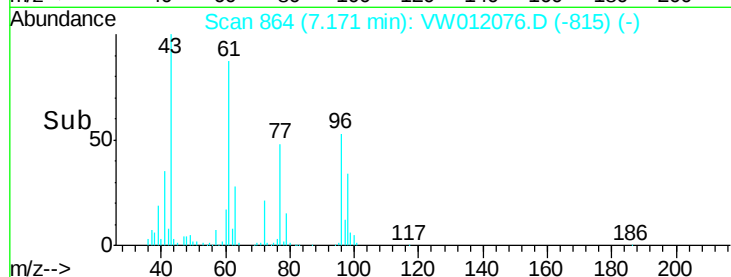
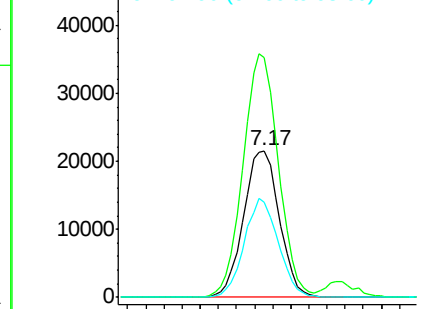
96 100

61 163.6 0.0 328.4

98 64.3 0.0 128.8



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



#28

Bromochloromethane

Concen: 21.453 ug/l

RT: 7.51 min Scan# 920

Delta R.T. -0.00 min

Lab File: VW012076.D

Acq: 21 Aug 2019 18:08

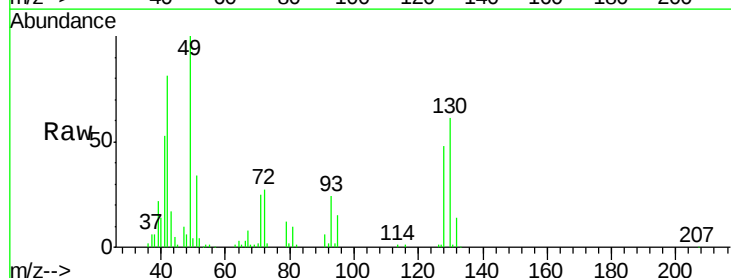
Tgt Ion: 49 Resp: 48102

Ion Ratio Lower Upper

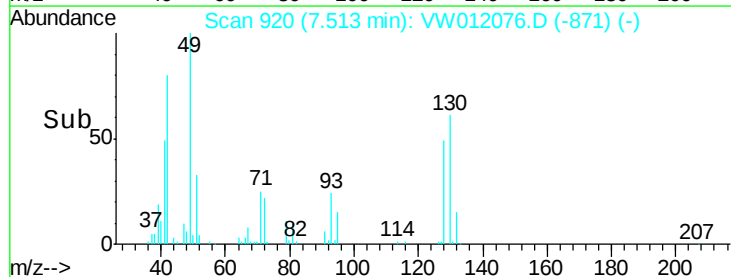
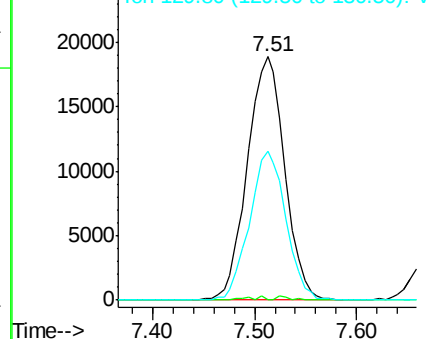
49 100

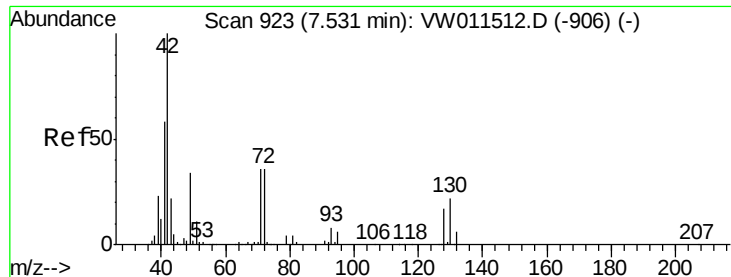
129 0.5 0.0 1.0

130 59.3 46.3 69.5



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

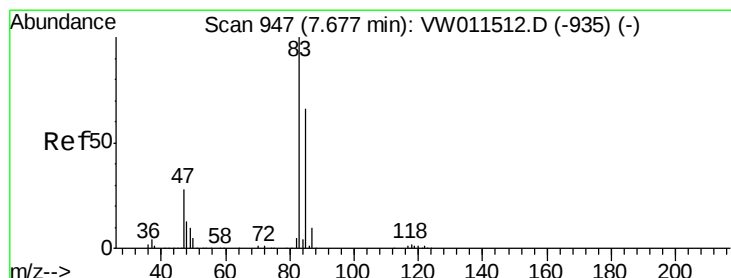
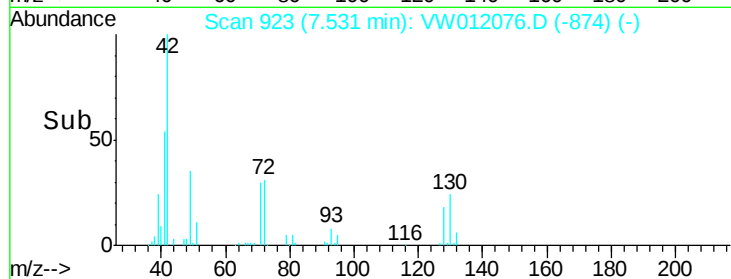
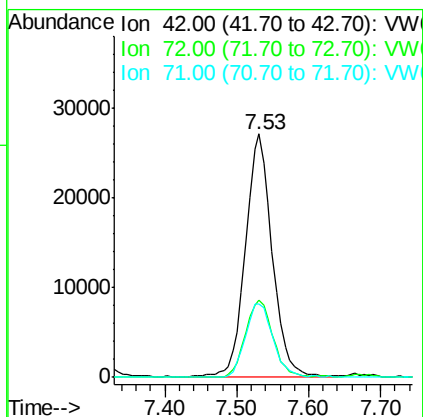
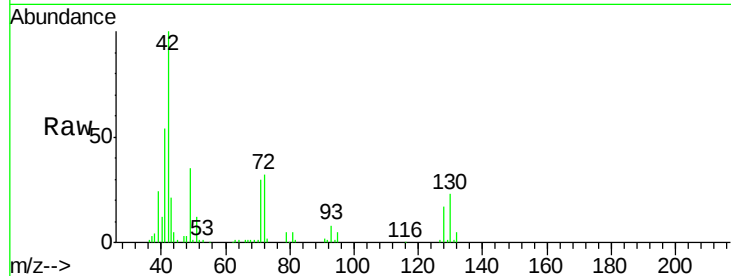




#29
Tetrahydrofuran
Concen: 114.205 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012076.D
Acq: 21 Aug 2019 18:08

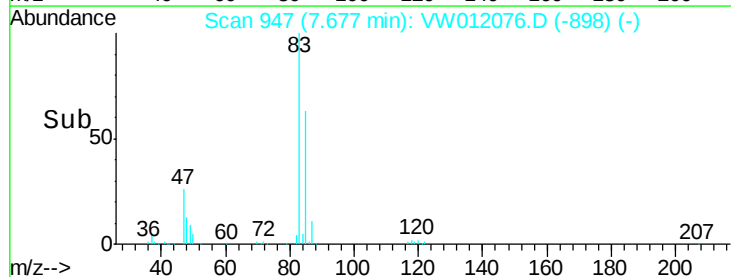
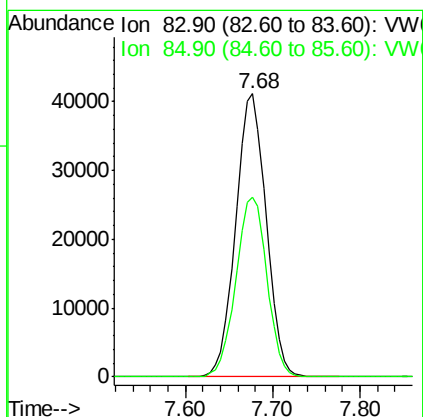
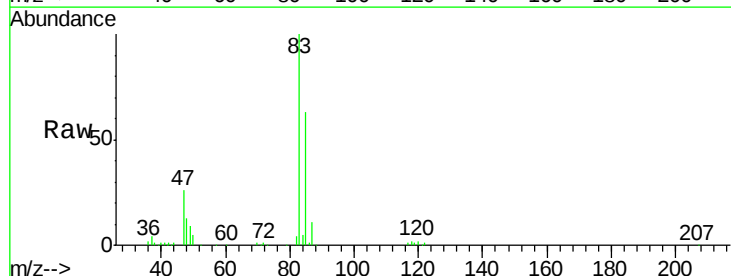
Instrument :
MSVOA_W
ClientSampleId :
VW0821SBS02

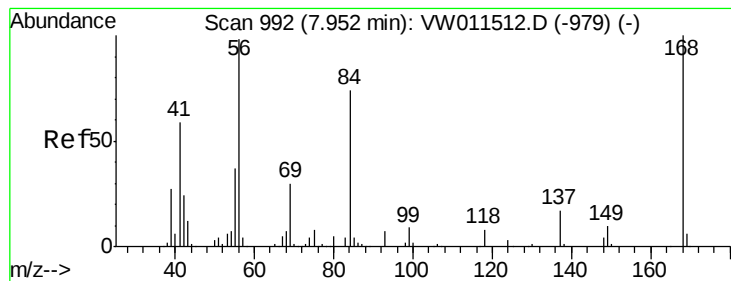
Tot Ion: 42 Resp: 70470
Ion Ratio Lower Upper
42 100
72 32.4 27.1 40.7
71 30.9 26.2 39.4



#30
Chloroform
Concen: 21.395 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW012076.D
Acq: 21 Aug 2019 18:08

Tgt Ion: 83 Resp: 99711
Ion Ratio Lower Upper
83 100
85 63.3 52.5 78.7





#31

Cyclohexane

Concen: 21.069 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW012076.D

Acq: 21 Aug 2019 18:08

Instrument :
MSVOA_W
ClientSampleId :
VW0821SBS02

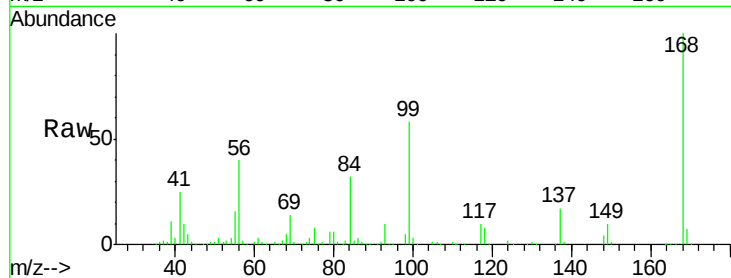
Tot Ion: 56 Resp: 102167

Ion Ratio Lower Upper

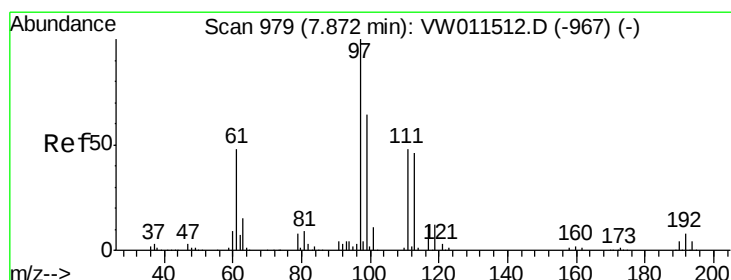
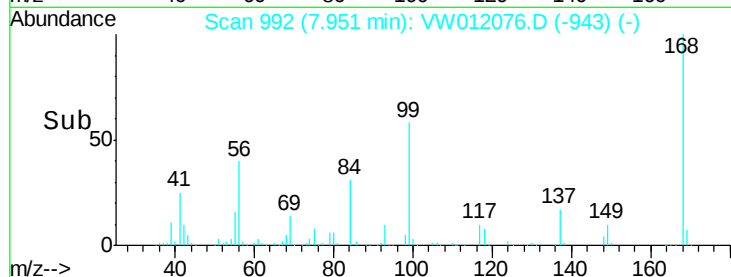
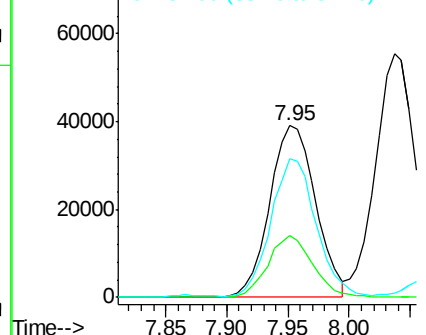
56 100

69 35.9 24.3 36.5

84 79.2 60.4 90.6



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: 22.341 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW012076.D

Acq: 21 Aug 2019 18:08

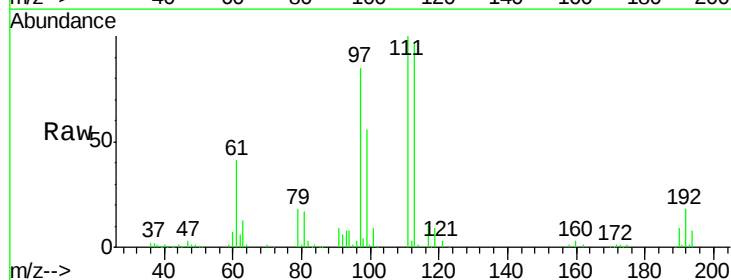
Tgt Ion: 97 Resp: 79294

Ion Ratio Lower Upper

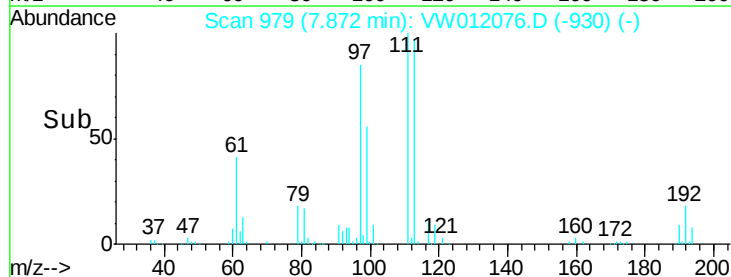
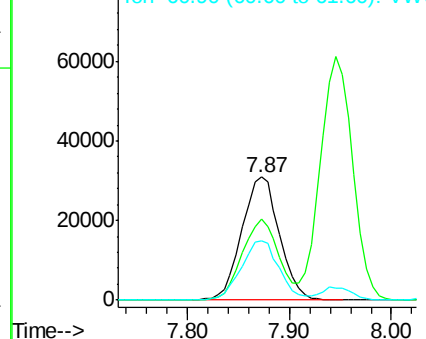
97 100

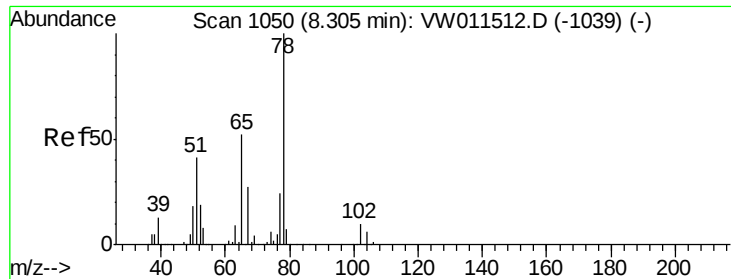
99 65.1 51.0 76.6

61 48.1 39.8 59.6



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

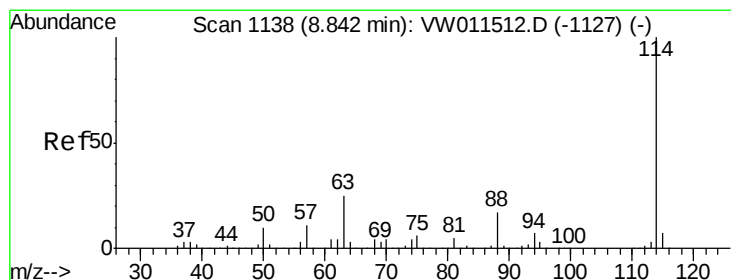
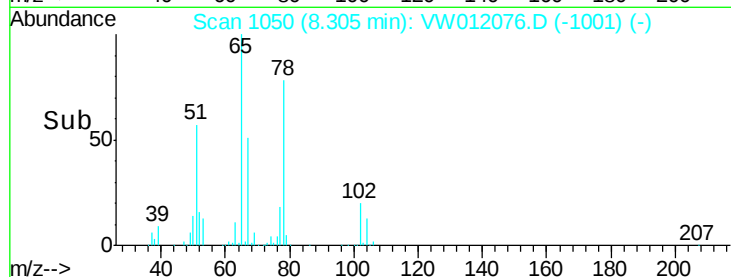
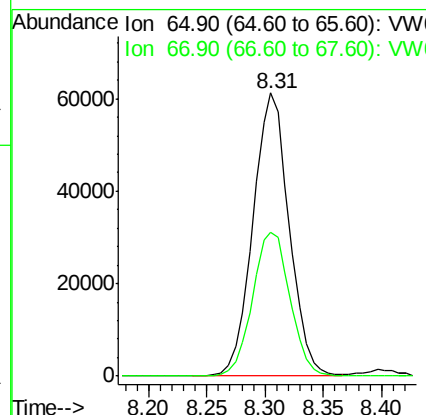
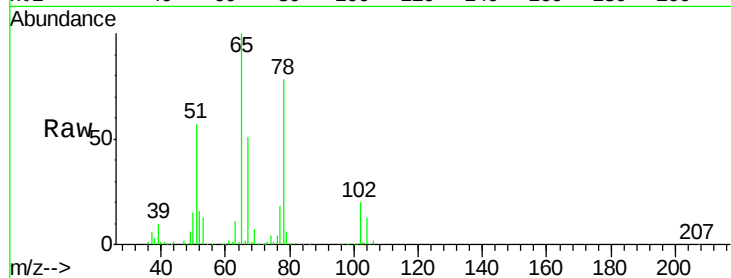




#33
 1,2-Dichloroethane-d4
 Concen: 50.943 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012076.D
 Acq: 21 Aug 2019 18:08

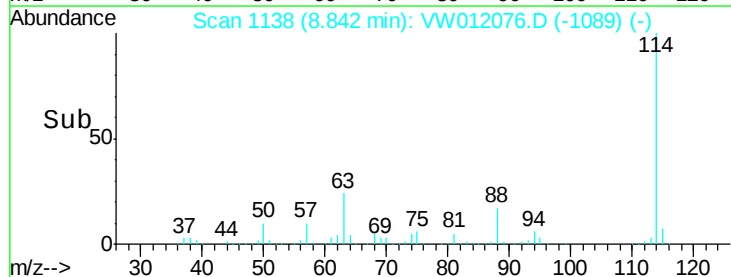
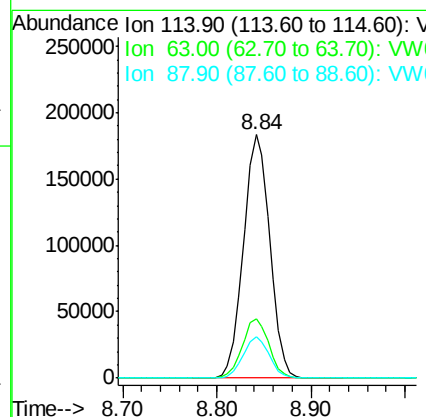
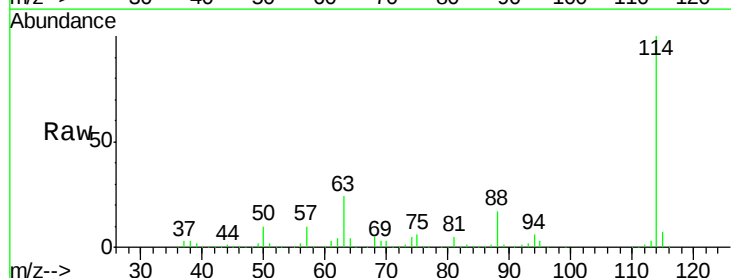
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBS02

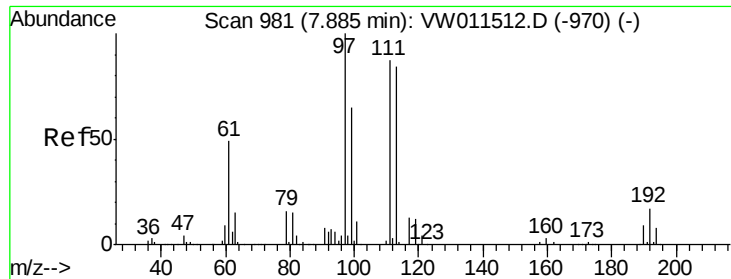
Tot Ion: 65 Resp: 132118
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012076.D
 Acq: 21 Aug 2019 18:08

Tgt Ion: 114 Resp: 358813
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 49.2
 88 17.0 0.0 33.8

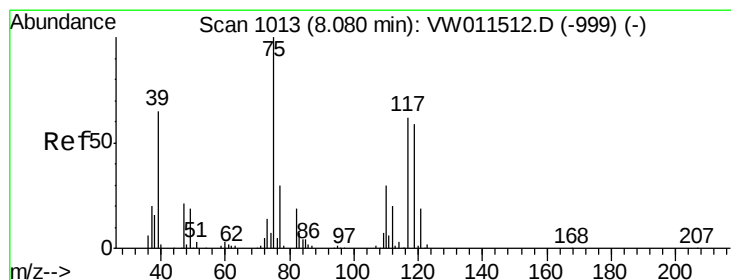
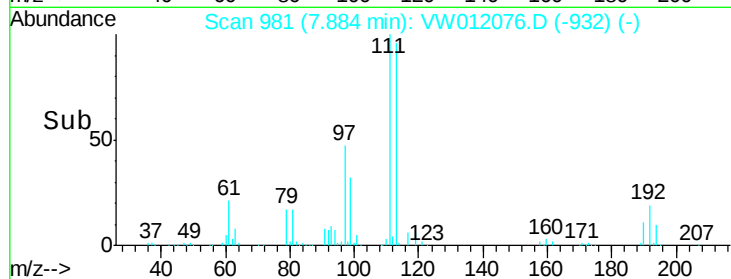
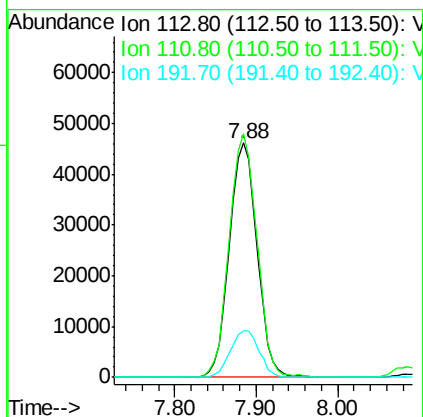
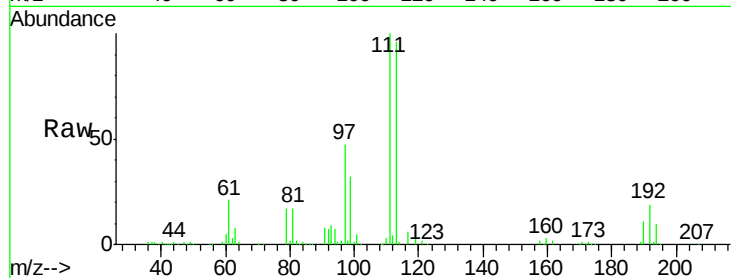




#35
 Dibromofluoromethane
 Concen: 53.626 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012076.D
 Acq: 21 Aug 2019 18:08

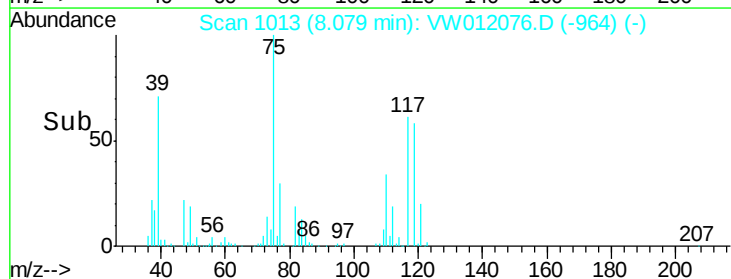
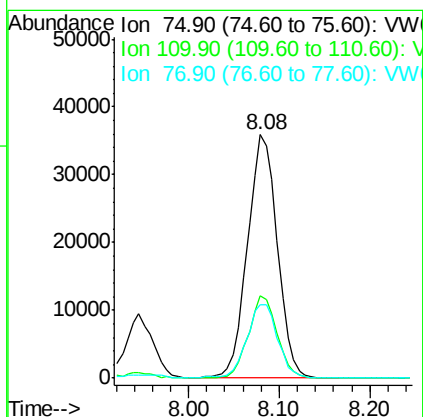
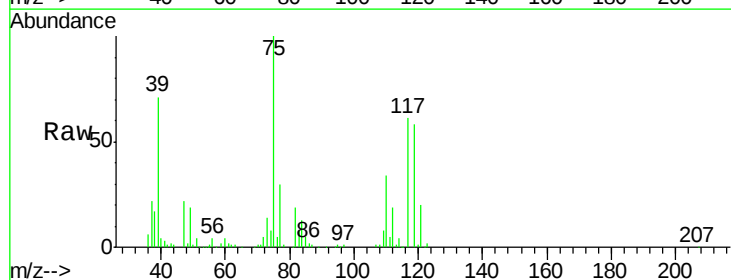
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBS02

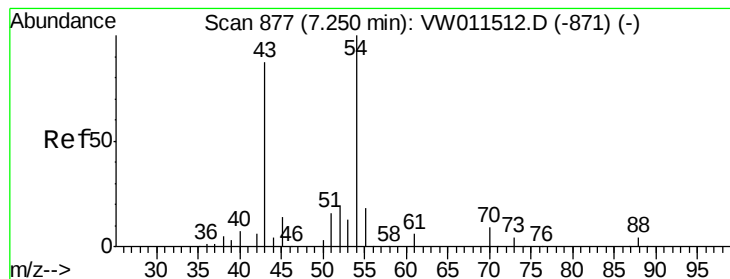
Tot Ion:113 Resp: 107949
 Ion Ratio Lower Upper
 113 100
 111 104.1 82.7 124.1
 192 20.5 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 21.960 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012076.D
 Acq: 21 Aug 2019 18:08

Tgt Ion: 75 Resp: 81931
 Ion Ratio Lower Upper
 75 100
 110 32.4 15.6 46.8
 77 31.4 24.3 36.5





#37

Ethyl Acetate

Concen: 22.172 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW012076.D

Acq: 21 Aug 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS02

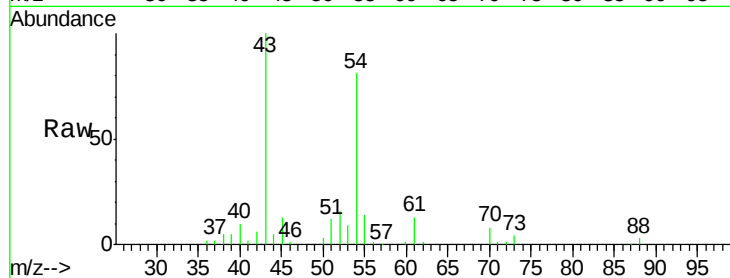
Tot Ion: 43 Resp: 47594

Ion Ratio Lower Upper

43 100

61 11.6 8.8 13.2

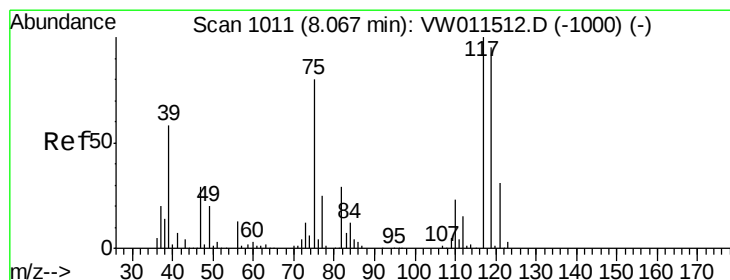
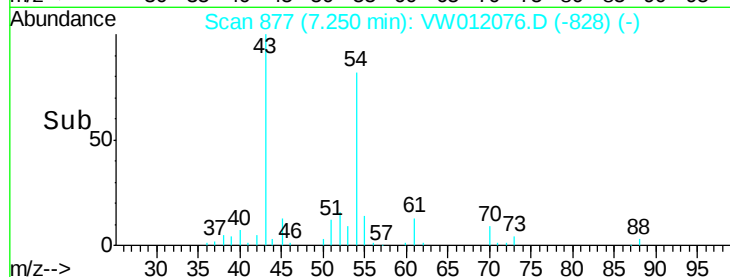
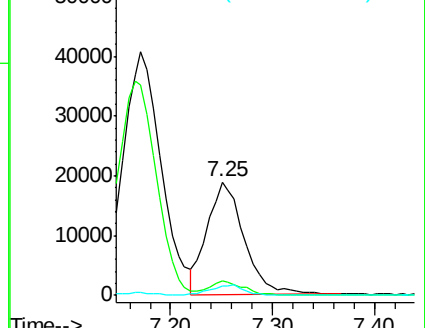
70 8.5 7.1 10.7



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: 22.089 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW012076.D

Acq: 21 Aug 2019 18:08

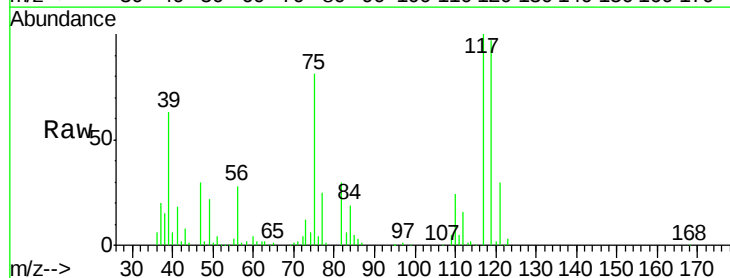
Tgt Ion: 117 Resp: 70551

Ion Ratio Lower Upper

117 100

119 97.0 75.8 113.6

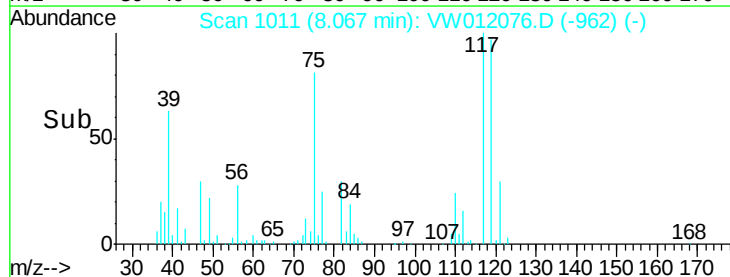
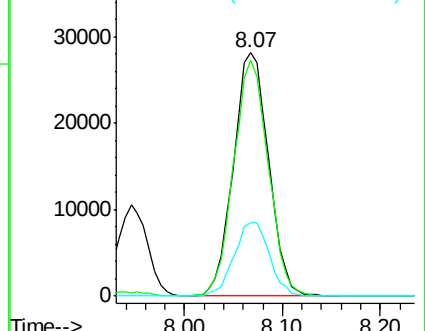
121 30.3 24.7 37.1

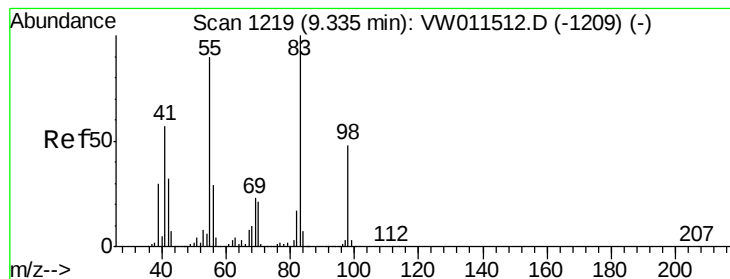


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#39

Methvlcvclohexane

Concen: 22.500 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW012076.D

Acq: 21 Aug 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS02

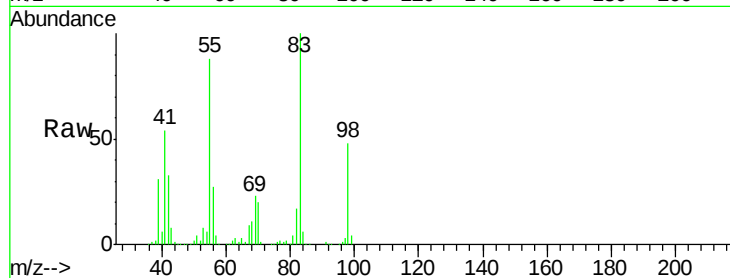
Tot Ion: 83 Resp: 92435

Ion Ratio Lower Upper

83 100

55 87.9 72.1 108.1

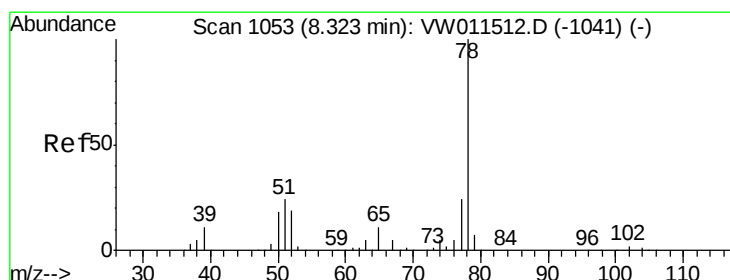
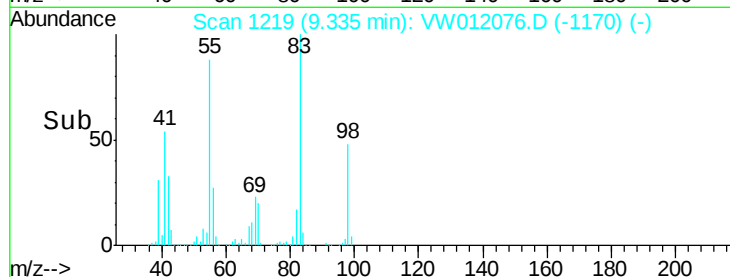
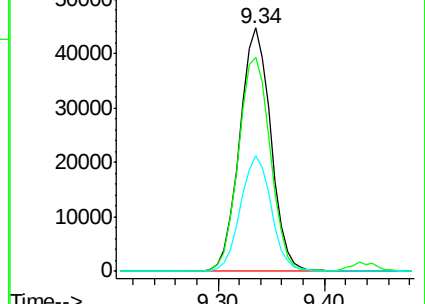
98 47.7 38.6 57.8



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW



#40

Benzene

Concen: 21.864 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW012076.D

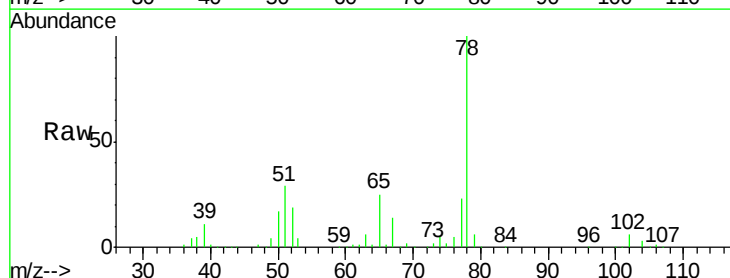
Acq: 21 Aug 2019 18:08

Tgt Ion: 78 Resp: 228499

Ion Ratio Lower Upper

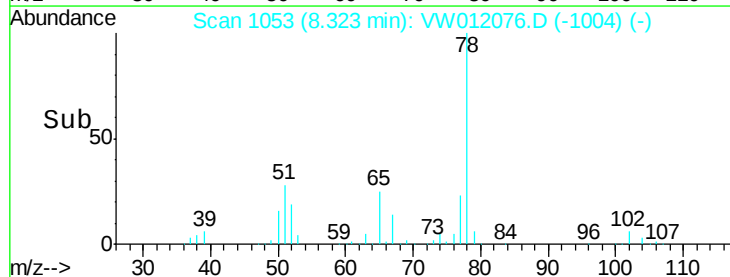
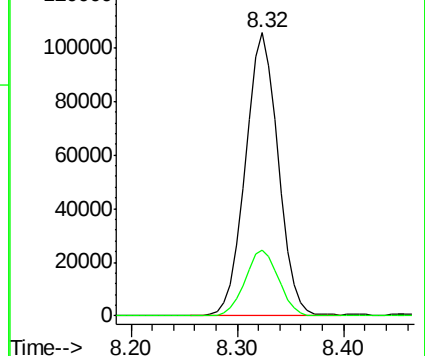
78 100

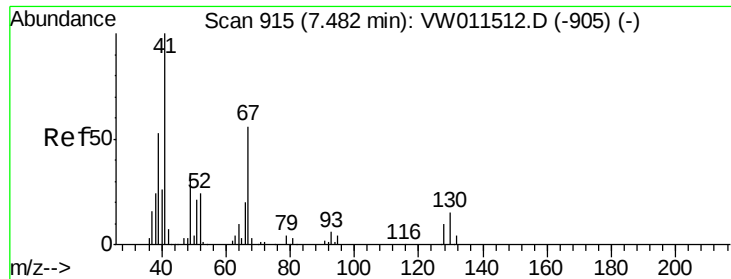
77 23.5 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW





#41

Methacrylonitrile

Concen: 23.619 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW012076.D

Acq: 21 Aug 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS02

Tot Ion: 41 Resp: 30307

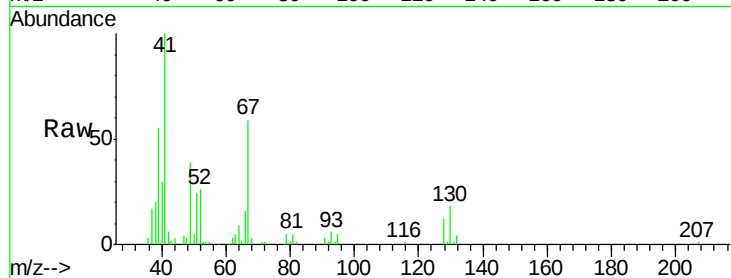
Ion Ratio Lower Upper

41 100

39 58.5 43.0 64.4

67 55.3 47.5 71.3

52 26.2 21.0 31.6

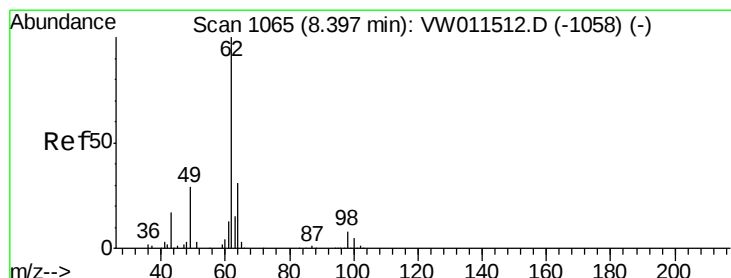
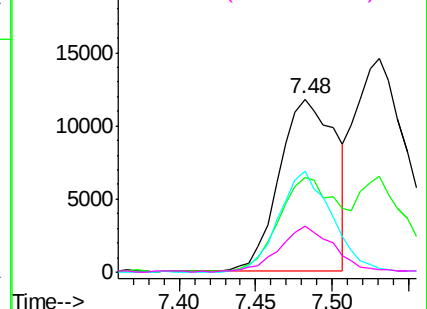
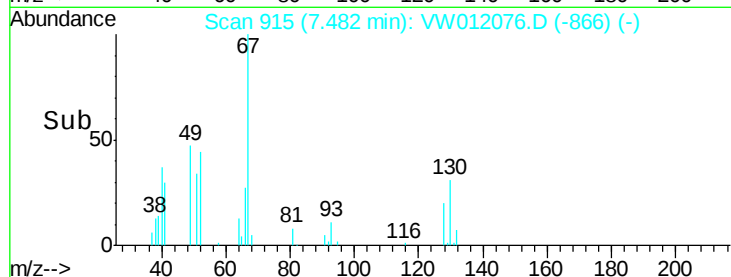


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 21.791 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW012076.D

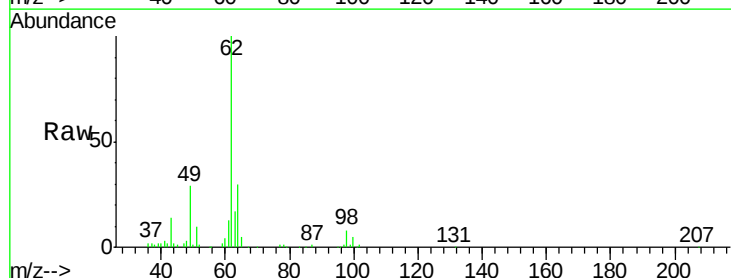
Acq: 21 Aug 2019 18:08

Tgt Ion: 62 Resp: 71299

Ion Ratio Lower Upper

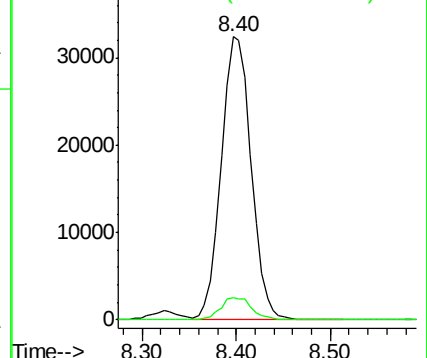
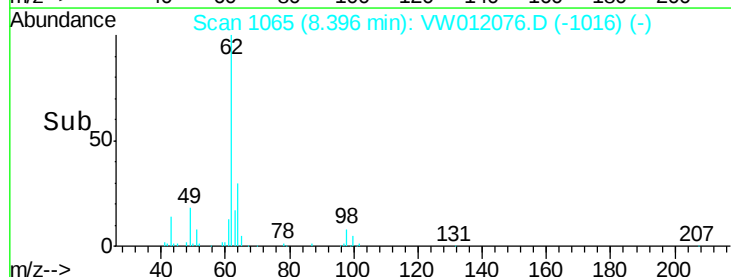
62 100

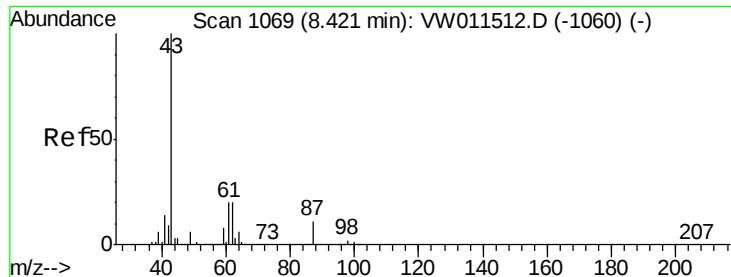
98 8.3 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 22.178 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012076.D

Acq: 21 Aug 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS02

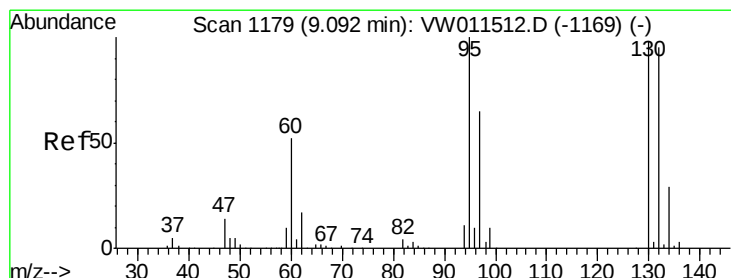
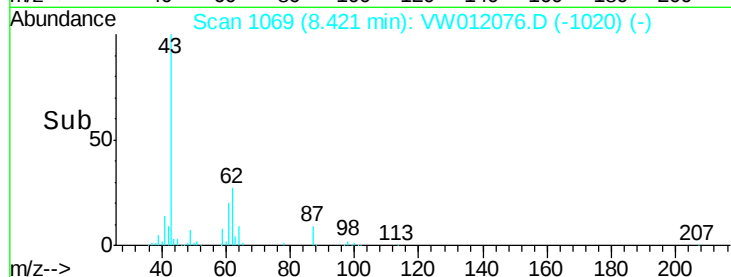
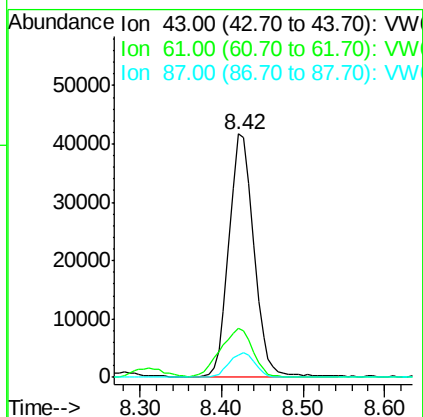
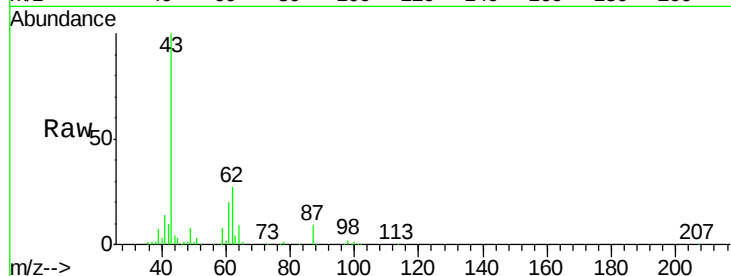
Tot Ion: 43 Resp: 87550

Ion Ratio Lower Upper

43 100

61 26.5 21.5 32.3

87 10.6 8.4 12.6



#44

Trichloroethene

Concen: 21.951 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012076.D

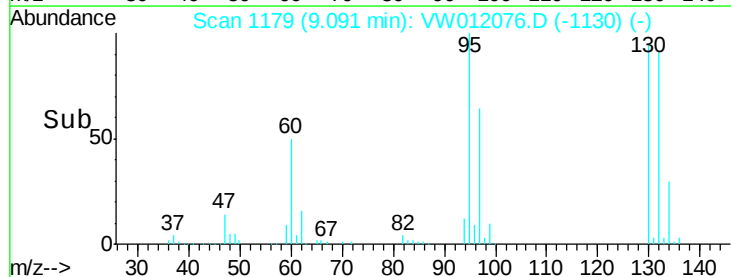
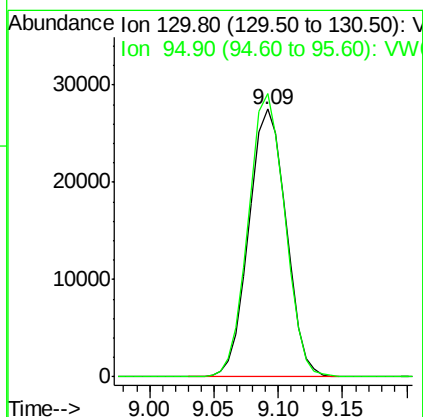
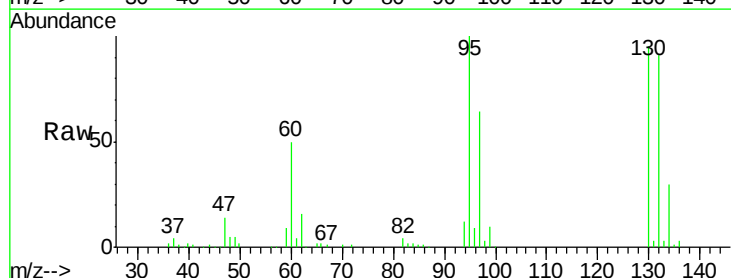
Acq: 21 Aug 2019 18:08

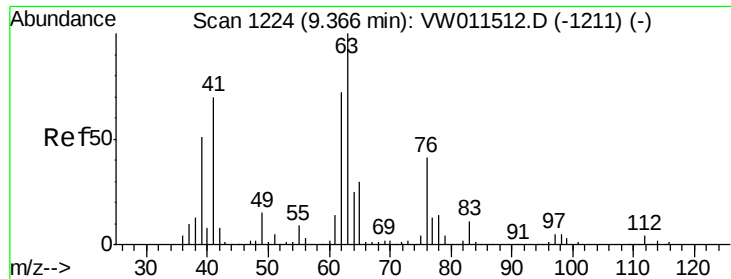
Tgt Ion: 130 Resp: 55138

Ion Ratio Lower Upper

130 100

95 105.8 0.0 204.8





#45

1,2-Dichloropropane

Concen: 21.660 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW012076.D

Acq: 21 Aug 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

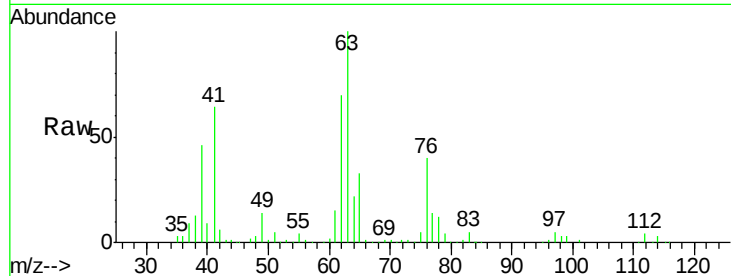
VW0821SBS02

Tot Ion: 63 Resp: 60566

Ion Ratio Lower Upper

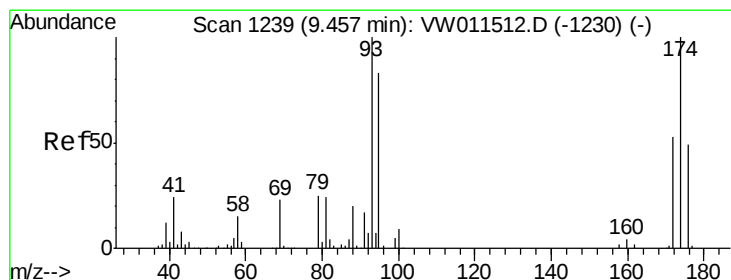
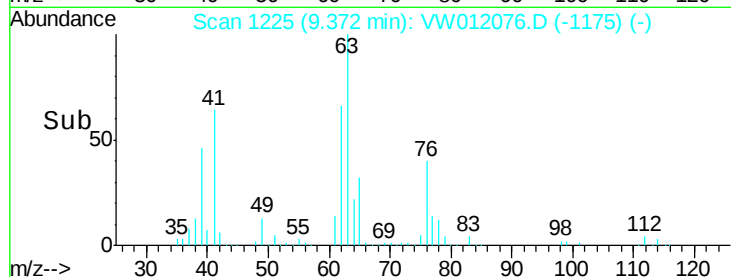
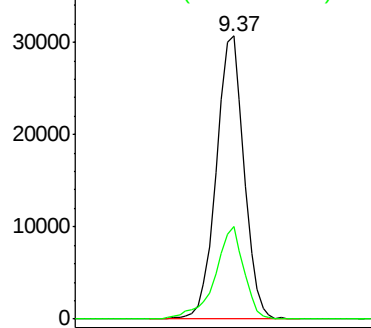
63 100

65 32.5 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 22.153 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012076.D

Acq: 21 Aug 2019 18:08

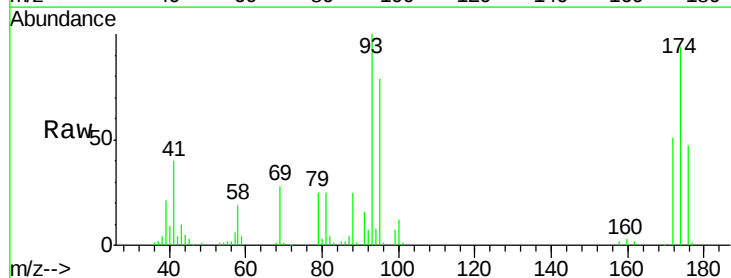
Tgt Ion: 93 Resp: 28273

Ion Ratio Lower Upper

93 100

95 79.6 66.2 99.2

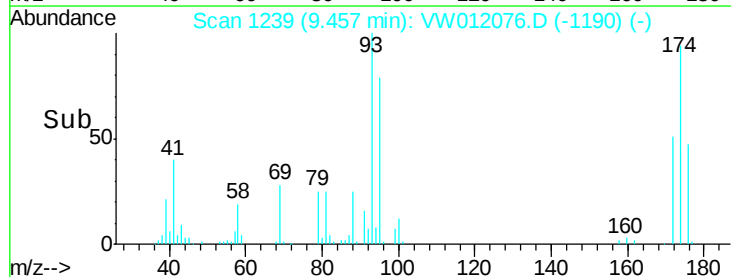
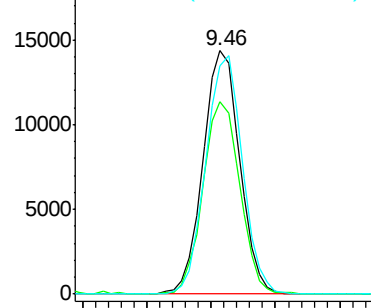
174 97.7 78.2 117.4

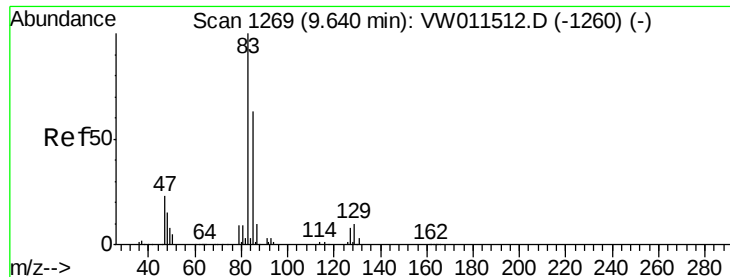


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

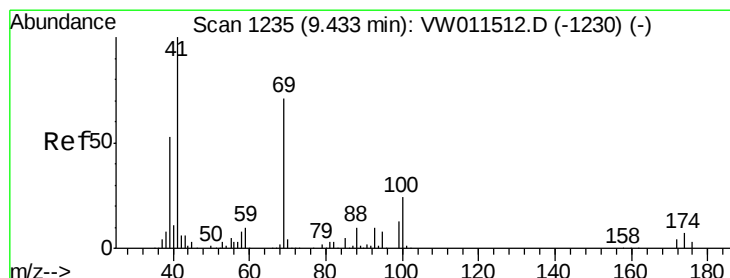
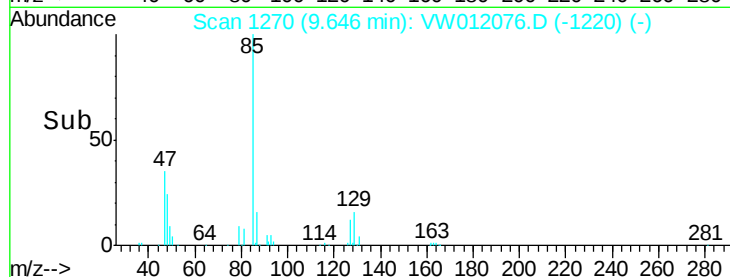
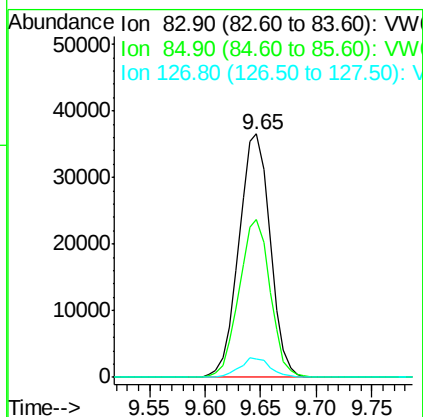
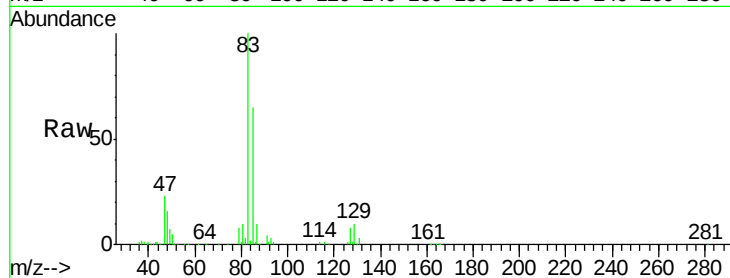




#47
 Bromodichloromethane
 Concen: 21.359 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW012076.D
 Acq: 21 Aug 2019 18:08

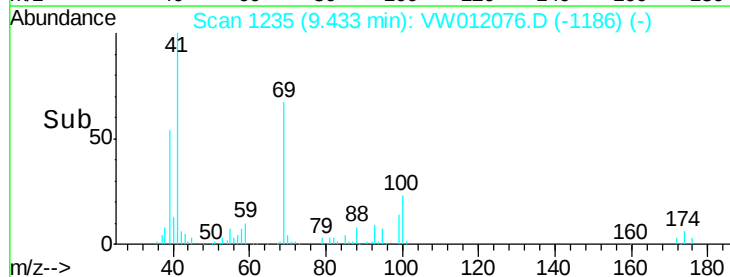
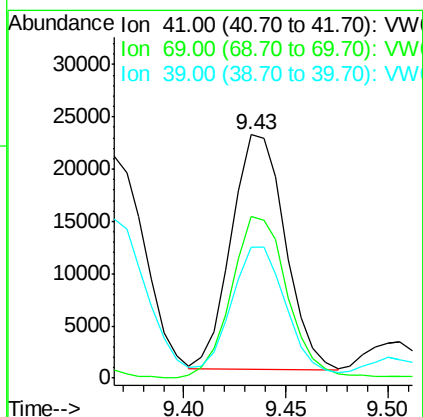
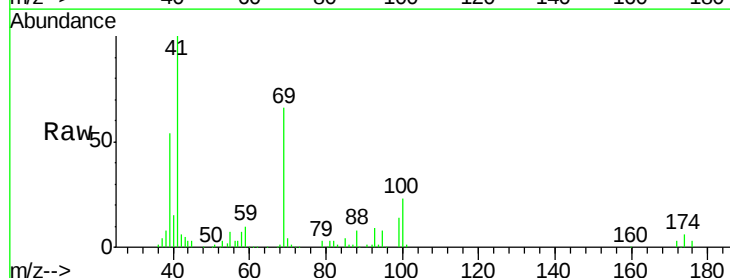
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBS02

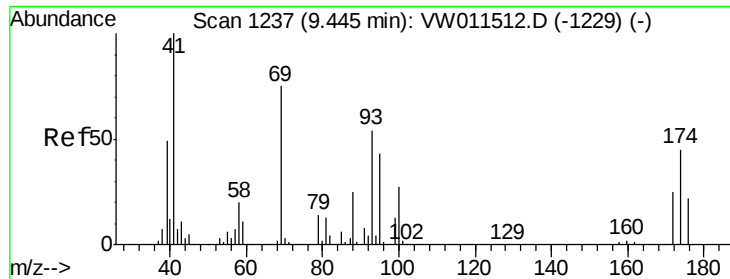
Tot Ion: 83 Resp: 71506
 Ion Ratio Lower Upper
 83 100
 85 64.8 50.5 75.7
 127 7.7 6.4 9.6



#48
 Methyl methacrylate
 Concen: 21.789 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW012076.D
 Acq: 21 Aug 2019 18:08

Tgt Ion: 41 Resp: 41319
 Ion Ratio Lower Upper
 41 100
 69 72.1 57.1 85.7
 39 57.5 45.4 68.2





#49

1,4-Dioxane

Concen: 460.671 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW012076.D

Acq: 21 Aug 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS02

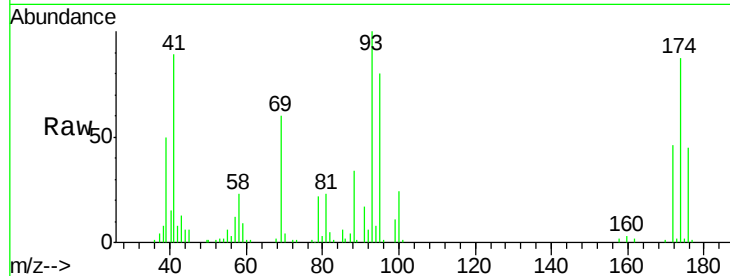
Tot Ion: 88 Resp: 8513

Ion Ratio Lower Upper

88 100

43 50.7 34.0 51.0

58 84.3 69.7 104.5

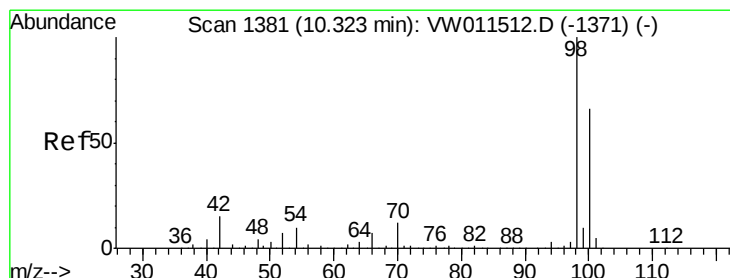
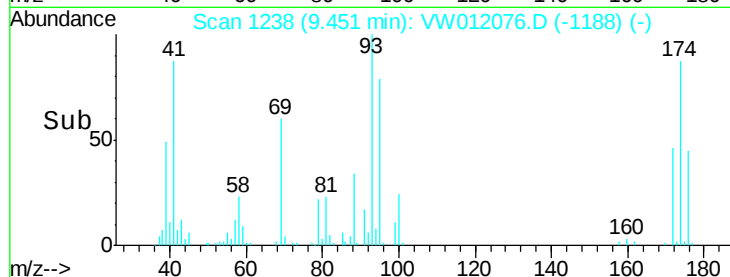
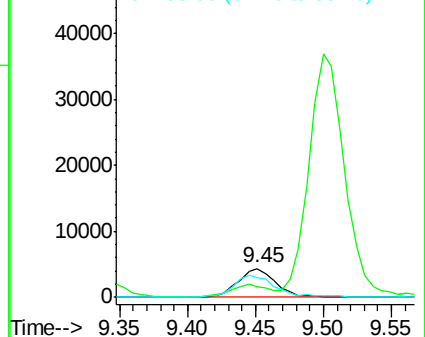


Abundance

Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 53.491 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012076.D

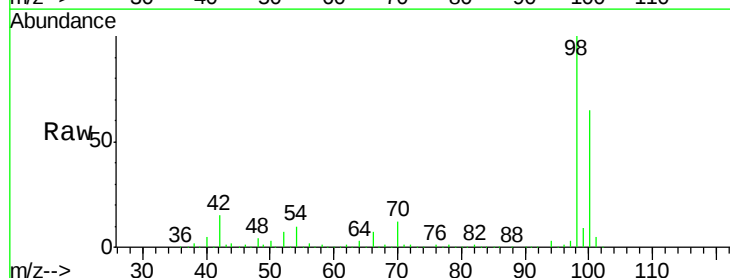
Acq: 21 Aug 2019 18:08

Tgt Ion: 98 Resp: 440867

Ion Ratio Lower Upper

98 100

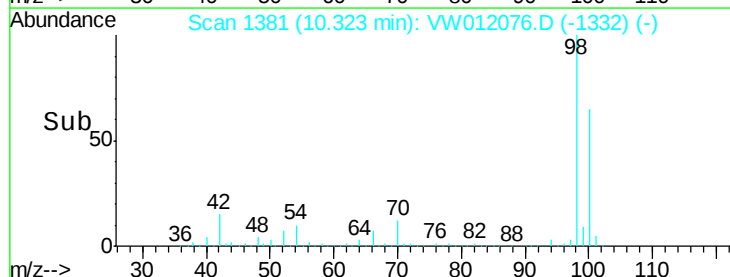
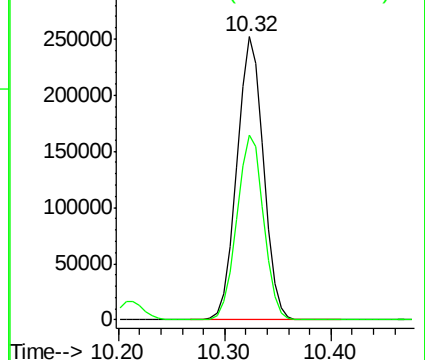
100 65.8 52.7 79.1



Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 111.268 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW012076.D

Acq: 21 Aug 2019 18:08

Instrument :

MSVOA_W

ClientSampled :

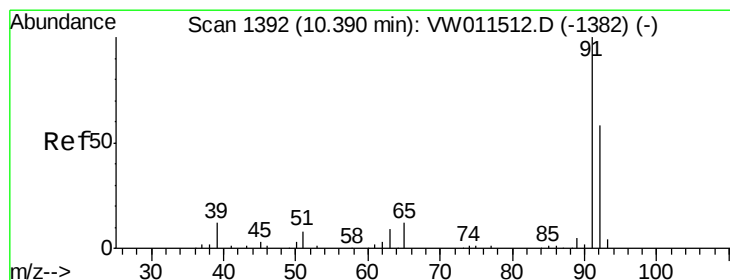
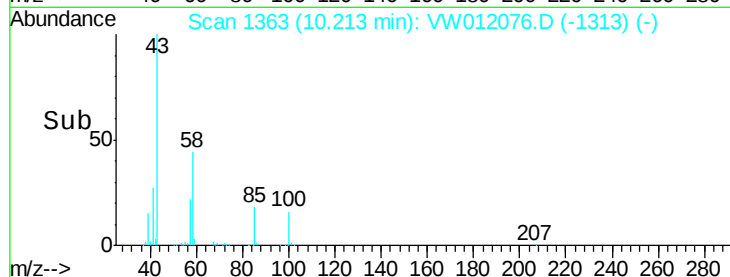
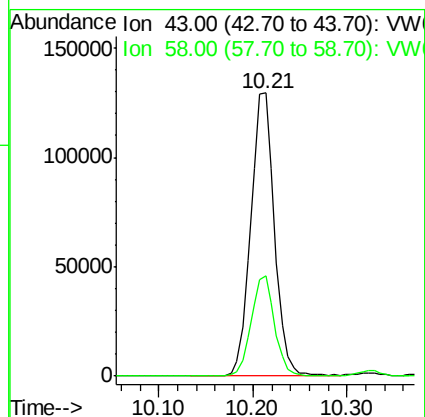
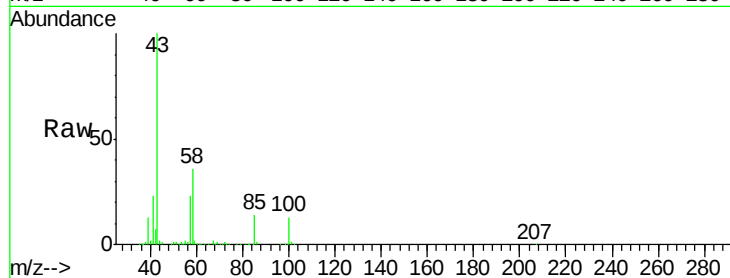
VW0821SBS02

Tot Ion: 43 Resp: 228475

Ion Ratio Lower Upper

43 100

58 35.1 28.2 42.2



#52

Toluene

Concen: 21.832 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW012076.D

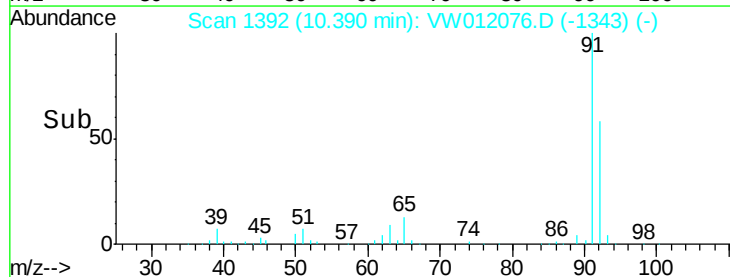
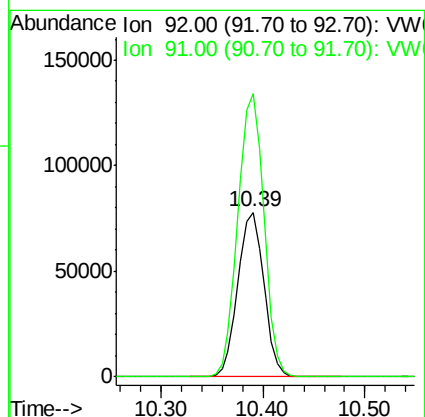
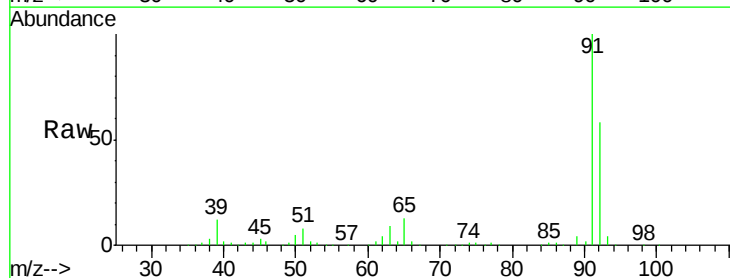
Acq: 21 Aug 2019 18:08

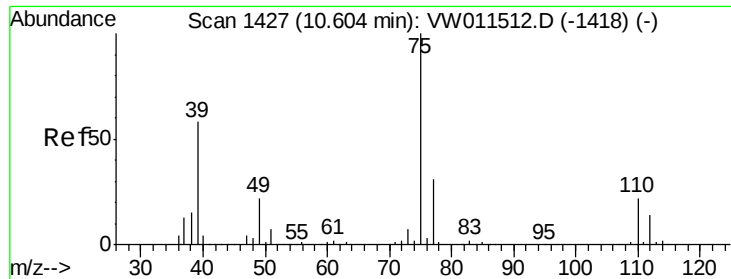
Tgt Ion: 92 Resp: 137787

Ion Ratio Lower Upper

92 100

91 171.5 136.7 205.1

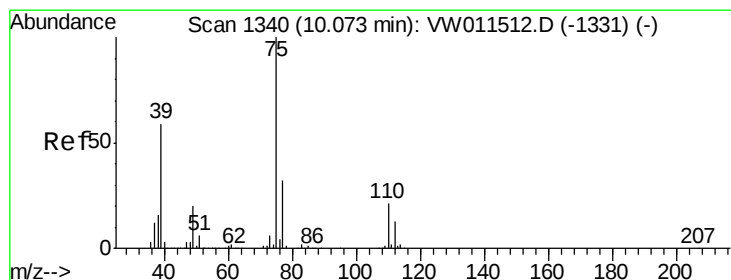
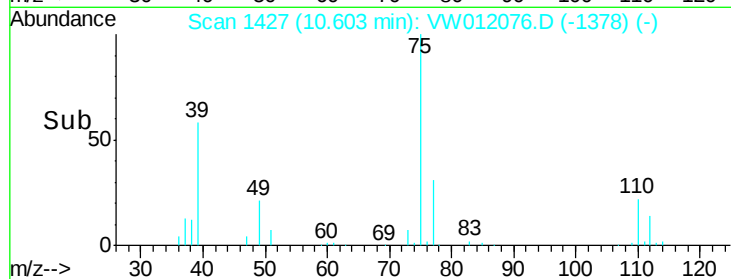
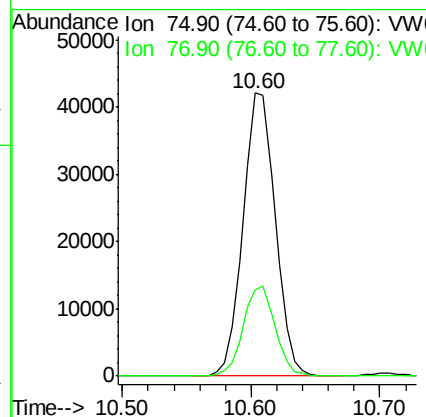
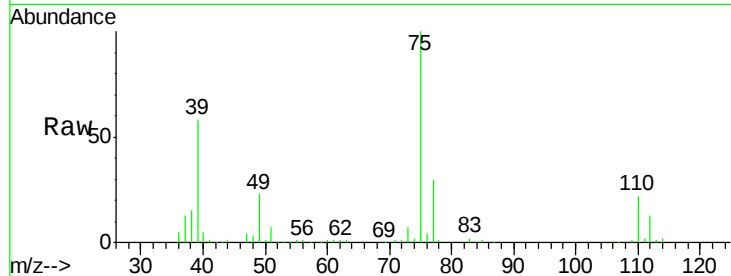




#53
t-1,3-Dichloropropene
Concen: 20.869 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW012076.D
Acq: 21 Aug 2019 18:08

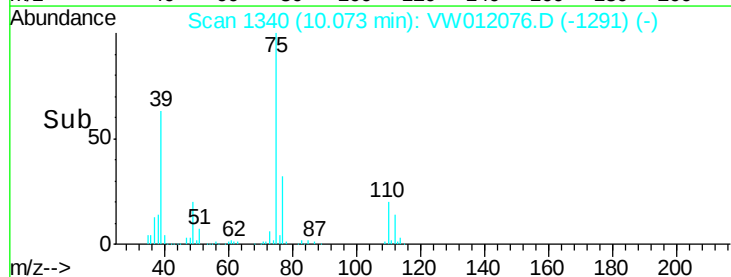
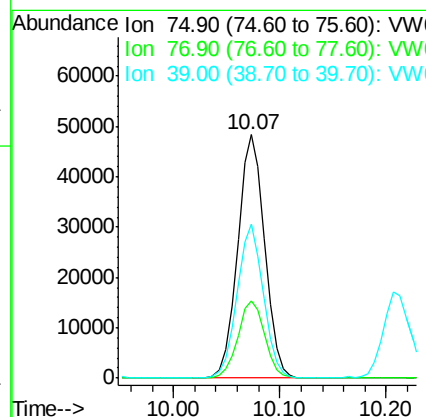
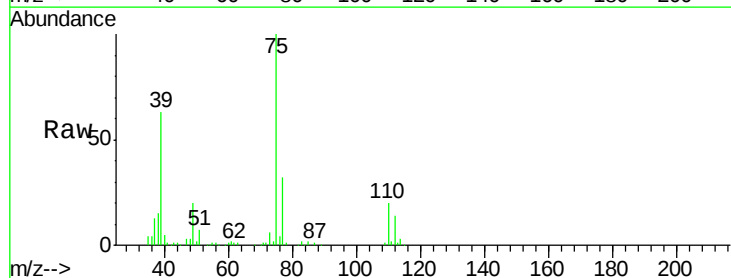
Instrument :
MSVOA_W
ClientSampleId :
VW0821SBS02

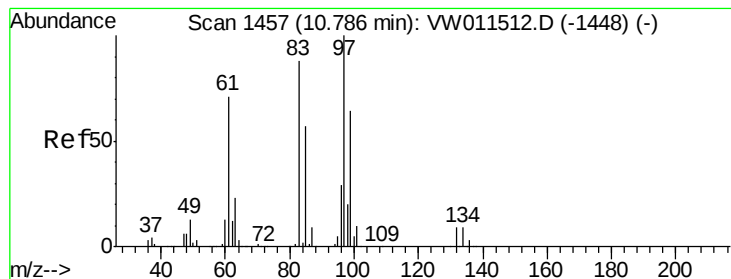
Tot Ion: 75 Resp: 72983
Ion Ratio Lower Upper
75 100
77 30.5 25.0 37.4



#54
cis-1,3-Dichloropropene
Concen: 20.616 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW012076.D
Acq: 21 Aug 2019 18:08

Tgt Ion: 75 Resp: 85725
Ion Ratio Lower Upper
75 100
77 31.5 25.6 38.4
39 62.9 47.0 70.4





#55

1,1,2-Trichloroethane

Concen: 22.072 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012076.D

Acq: 21 Aug 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS02

Tot Ion: 97 Resp: 39968

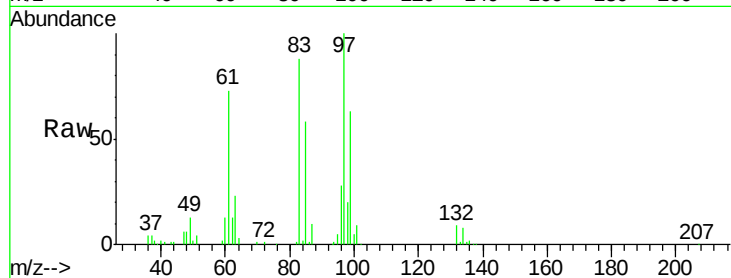
Ion Ratio Lower Upper

97 100

83 88.2 70.5 105.7

85 58.4 45.8 68.6

99 62.5 51.0 76.4

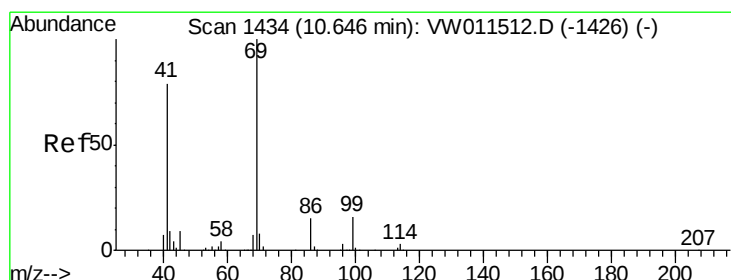
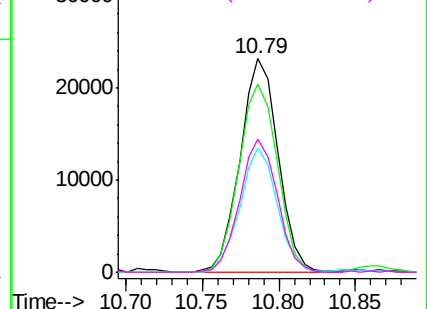
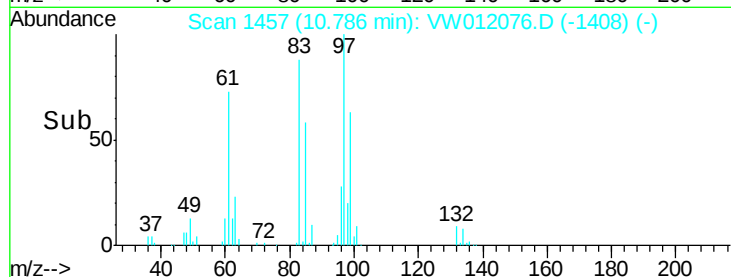


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 21.878 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW012076.D

Acq: 21 Aug 2019 18:08

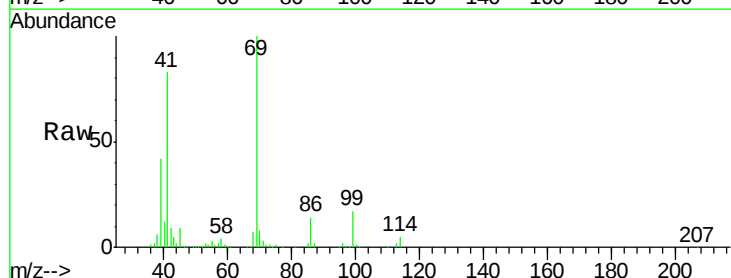
Tgt Ion: 69 Resp: 57973

Ion Ratio Lower Upper

69 100

41 83.3 66.6 99.8

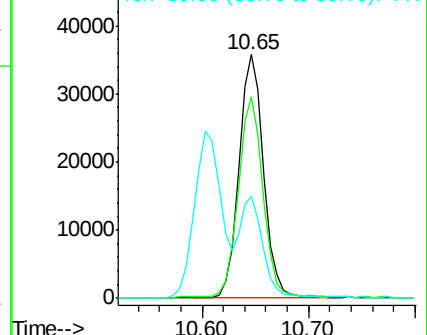
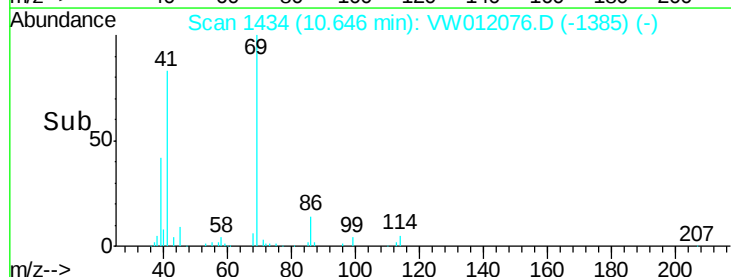
39 38.7 30.3 45.5

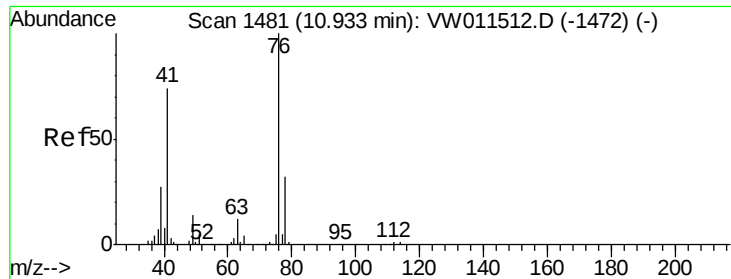


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

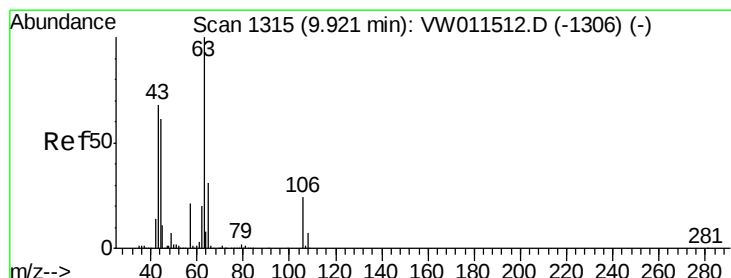
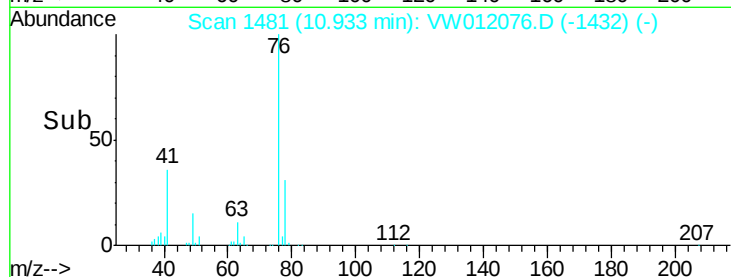
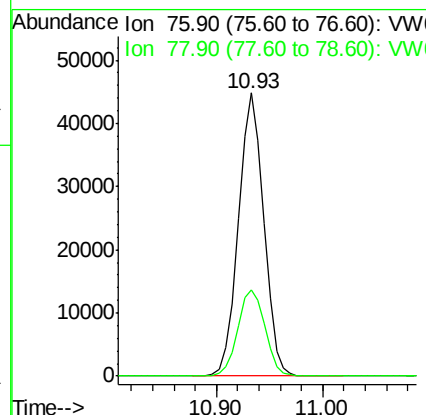
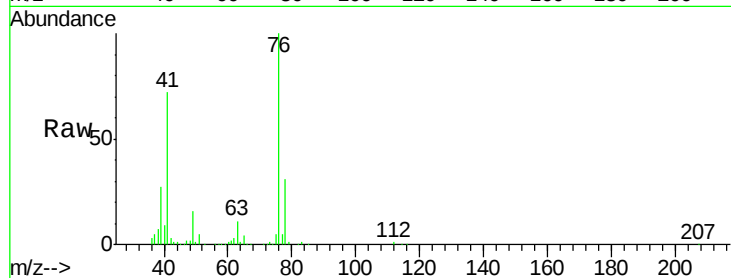




#57
 1,3-Dichloropropane
 Concen: 21.929 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012076.D
 Acq: 21 Aug 2019 18:08

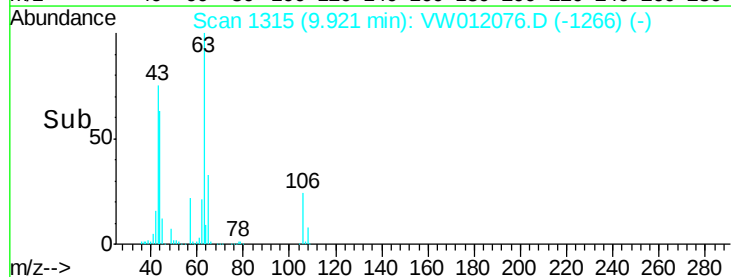
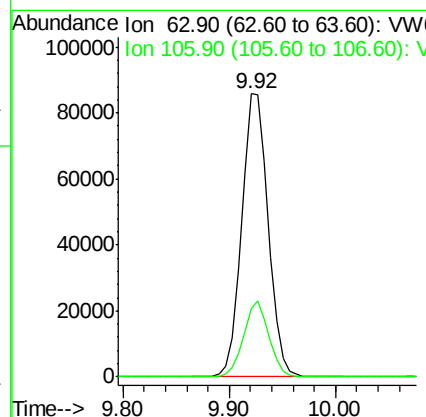
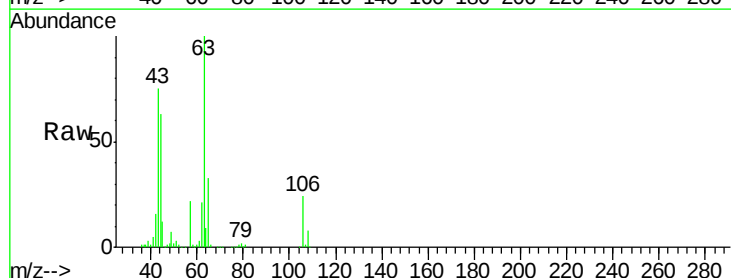
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBS02

Tot Ion: 76 Resp: 75127
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 124.695 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012076.D
 Acq: 21 Aug 2019 18:08

Tgt Ion: 63 Resp: 150024
 Ion Ratio Lower Upper
 63 100
 106 25.4 19.7 29.5

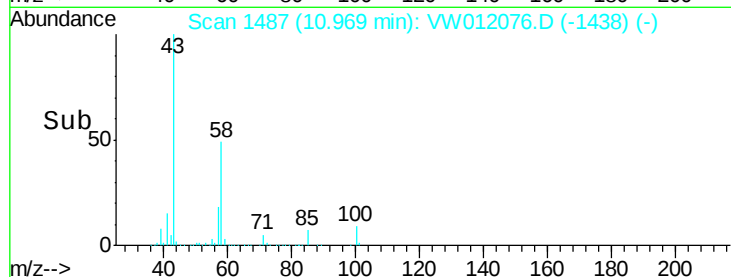
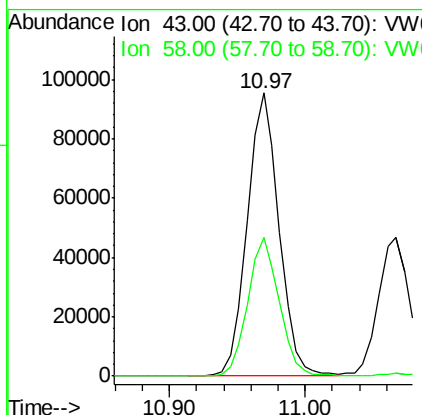
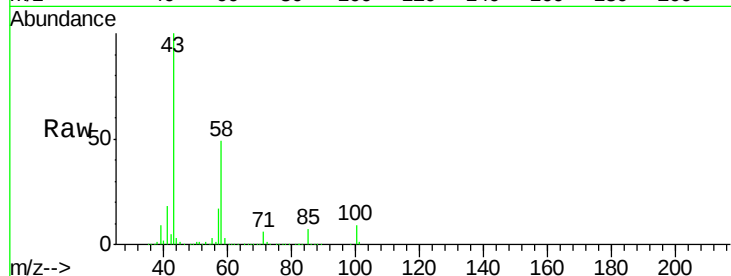




#59
2-Hexanone
Concen: 107.791 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012076.D
Acq: 21 Aug 2019 18:08

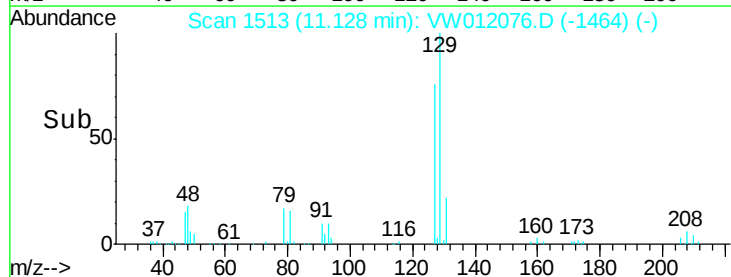
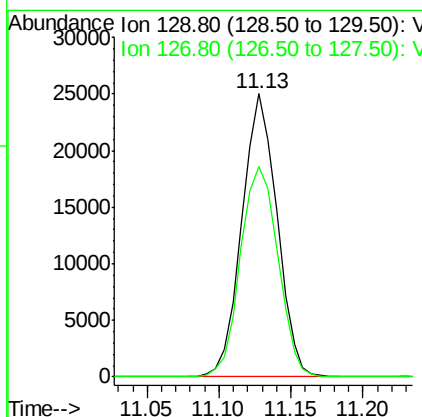
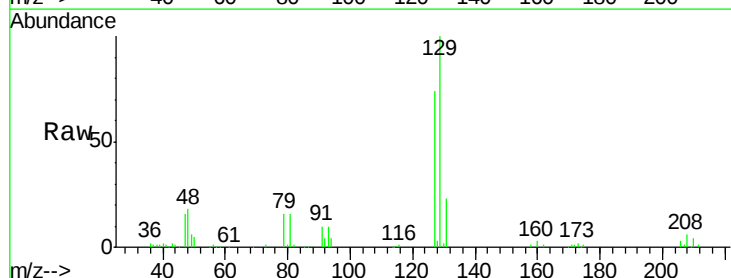
Instrument :
MSVOA_W
ClientSampled :
VW0821SBS02

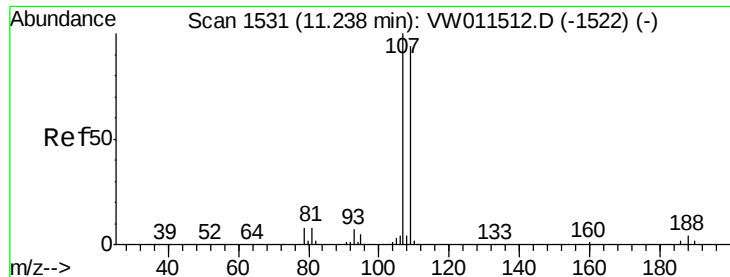
Tot Ion: 43 Resp: 156277
Ion Ratio Lower Upper
43 100
58 48.4 24.3 72.9



#60
Dibromochloromethane
Concen: 21.056 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012076.D
Acq: 21 Aug 2019 18:08

Tgt Ion: 129 Resp: 42324
Ion Ratio Lower Upper
129 100
127 79.3 38.9 116.7

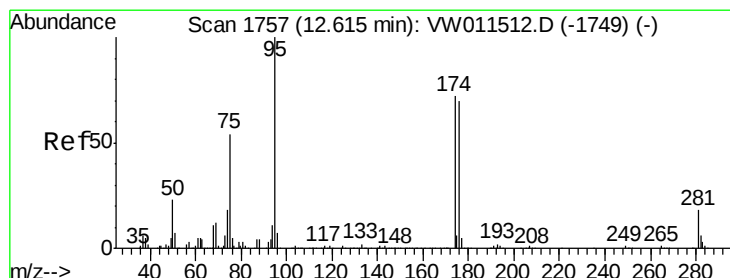
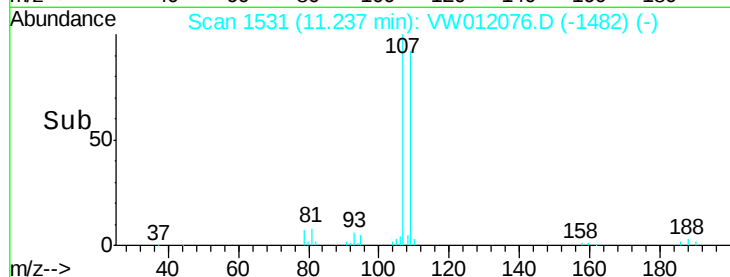
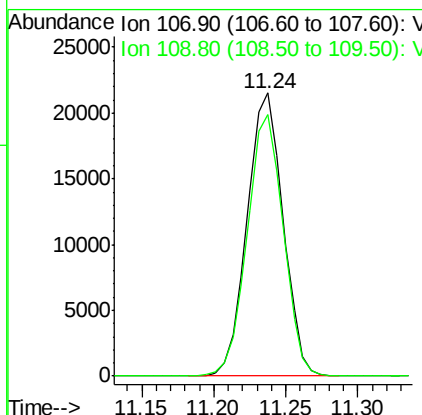
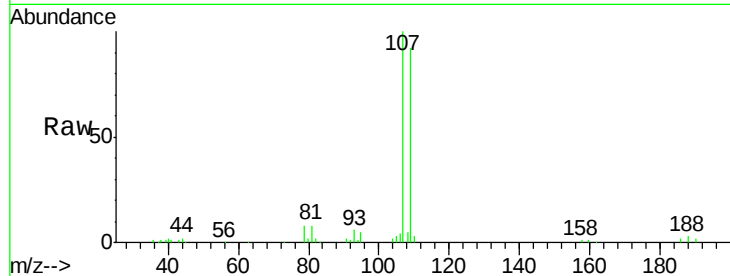




#61
 1,2-Dibromoethane
 Concen: 21.672 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW012076.D
 Acq: 21 Aug 2019 18:08

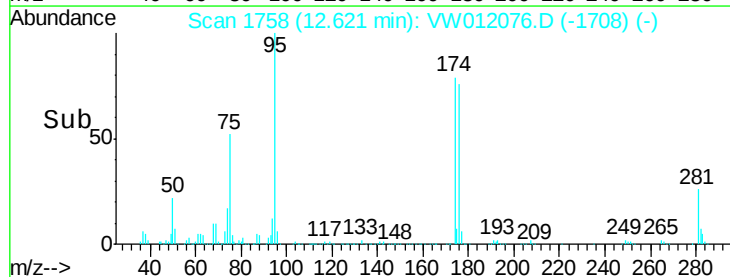
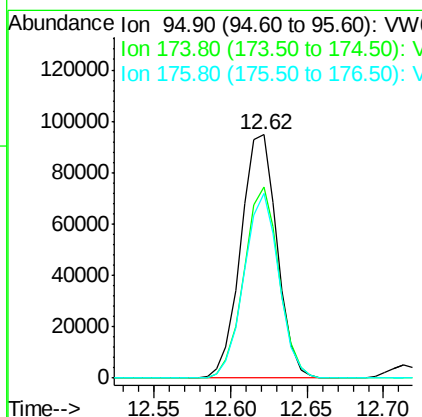
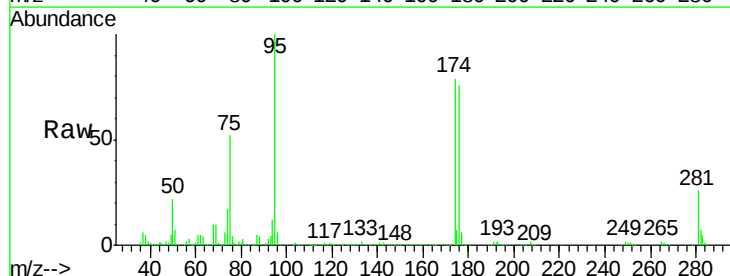
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBS02

Tot Ion: 107 Resp: 37138
 Ion Ratio Lower Upper
 107 100
 109 92.8 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 53.184 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.01 min
 Lab File: VW012076.D
 Acq: 21 Aug 2019 18:08

Tgt Ion: 95 Resp: 156276
 Ion Ratio Lower Upper
 95 100
 174 75.9 0.0 150.2
 176 72.9 0.0 144.4

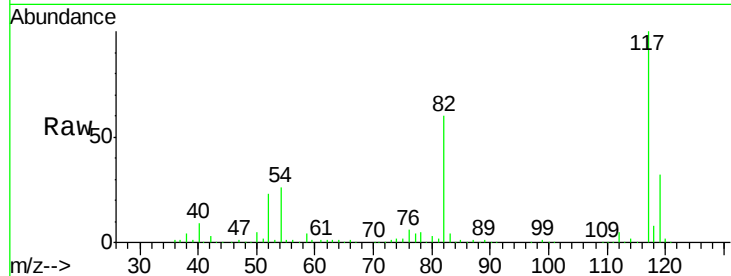




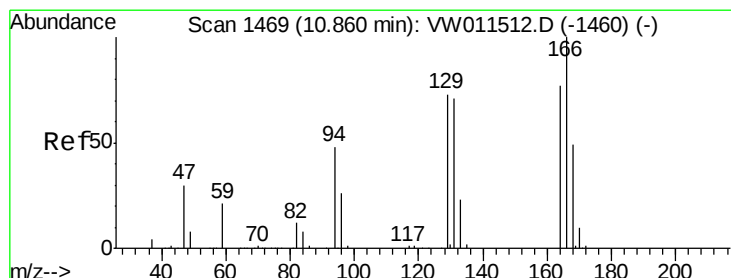
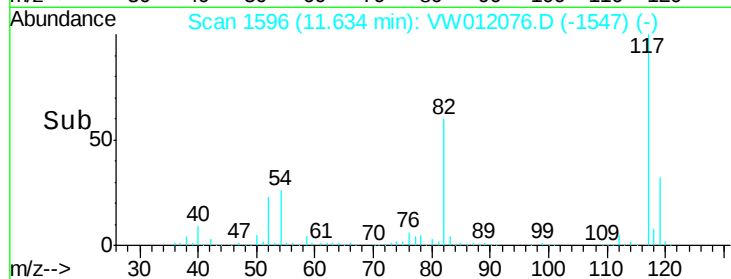
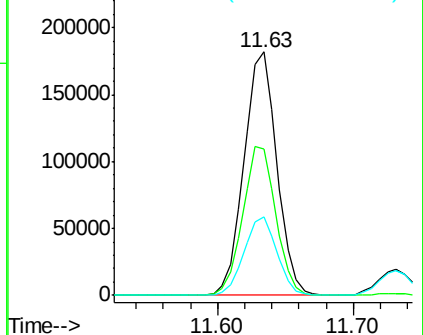
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012076.D
Acq: 21 Aug 2019 18:08

Instrument :
MSVOA_W
ClientSampleId :
VW0821SBS02

Tot Ion:117 Resp: 307644
Ion Ratio Lower Upper
117 100
82 60.1 47.9 71.9
119 32.1 26.2 39.2

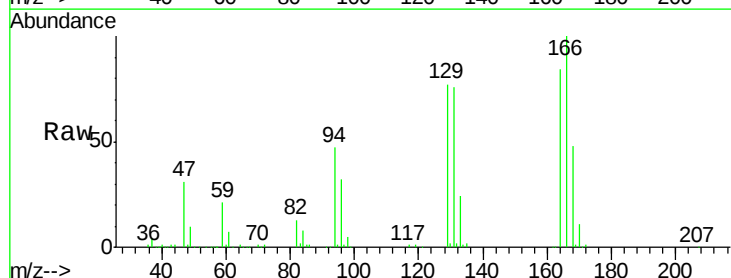


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

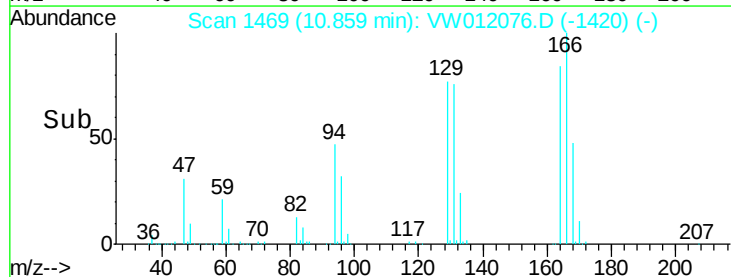
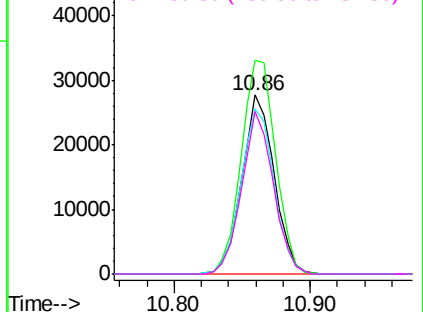


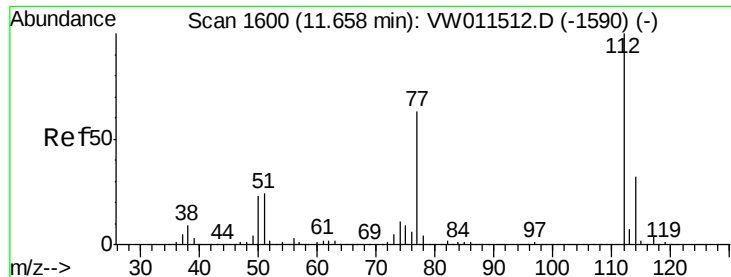
#64
Tetrachloroethene
Concen: 22.953 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012076.D
Acq: 21 Aug 2019 18:08

Tgt Ion:164 Resp: 45977
Ion Ratio Lower Upper
164 100
166 119.5 103.5 155.3
129 92.6 75.2 112.8
131 91.4 73.4 110.2



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

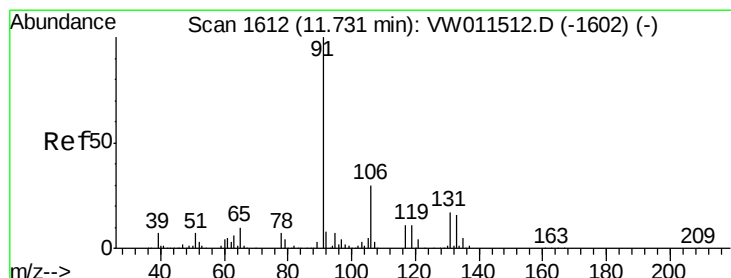
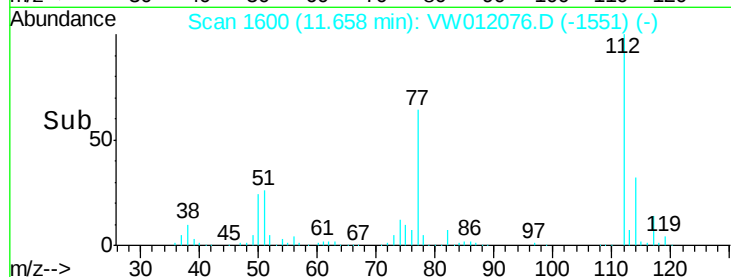
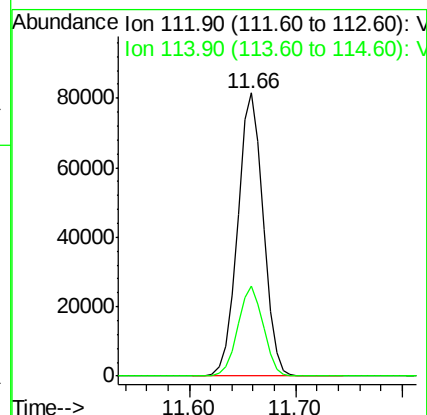
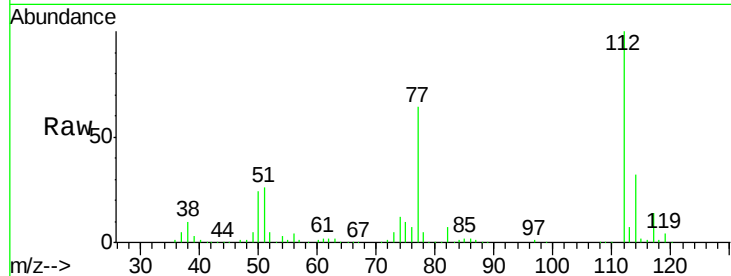




#65
Chlorobenzene
Concen: 22.204 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012076.D
Acq: 21 Aug 2019 18:08

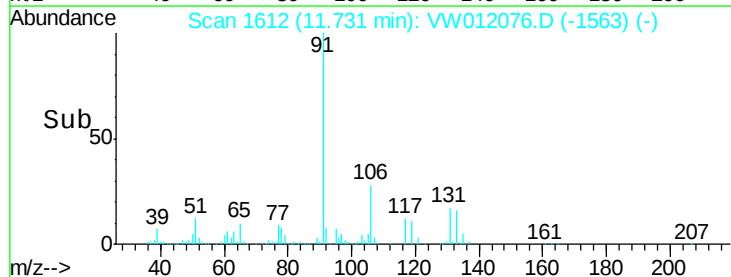
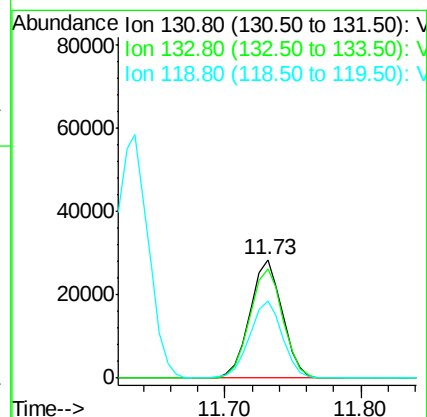
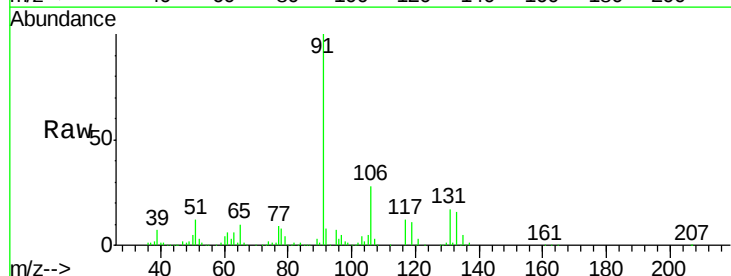
Instrument :
MSVOA_W
ClientSampleId :
VW0821SBS02

Tot Ion:112 Resp: 137334
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 22.027 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012076.D
Acq: 21 Aug 2019 18:08

Tgt Ion:131 Resp: 47456
Ion Ratio Lower Upper
131 100
133 94.5 47.4 142.2
119 65.9 32.3 96.9

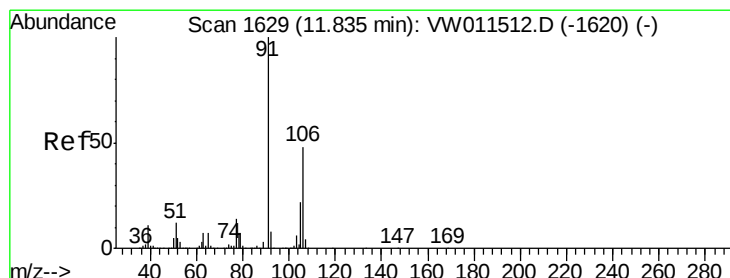
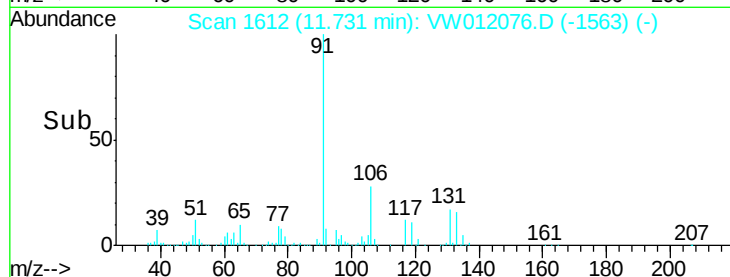
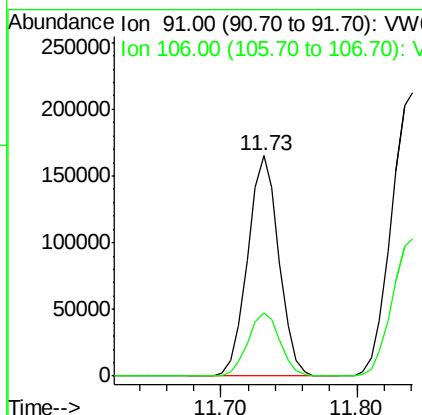
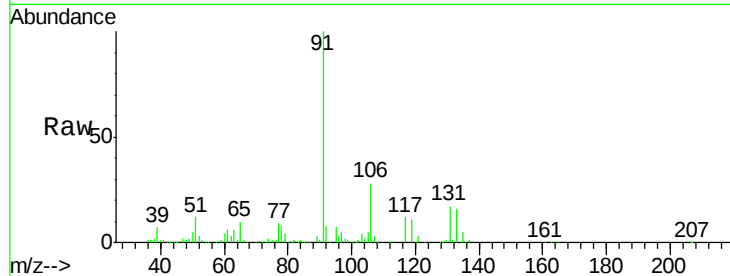




#67
Ethyl Benzene
Concen: 22.562 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012076.D
Acq: 21 Aug 2019 18:08

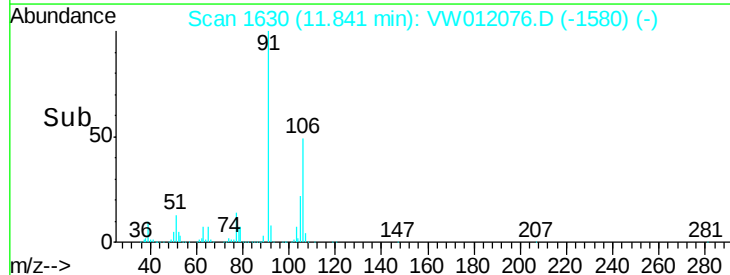
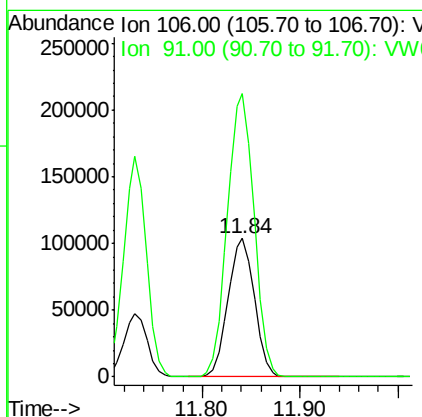
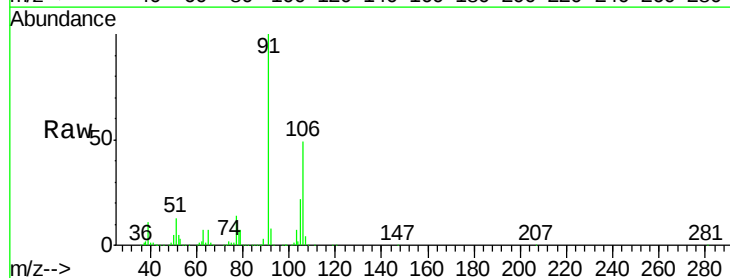
Instrument :
MSVOA_W
ClientSampleId :
VW0821SBS02

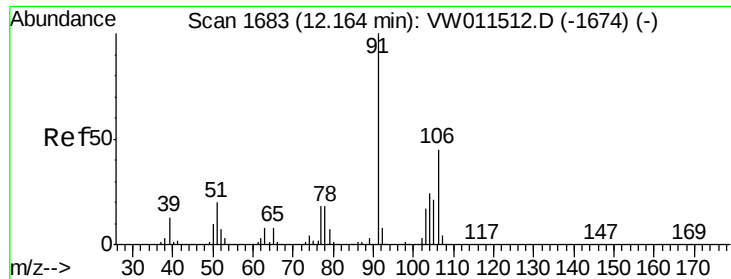
Tot Ion: 91 Resp: 265776
Ion Ratio Lower Upper
91 100
106 28.5 23.8 35.6



#68
m/p-Xylenes
Concen: 45.339 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW012076.D
Acq: 21 Aug 2019 18:08

Tgt Ion: 106 Resp: 194231
Ion Ratio Lower Upper
106 100
91 207.0 168.2 252.2

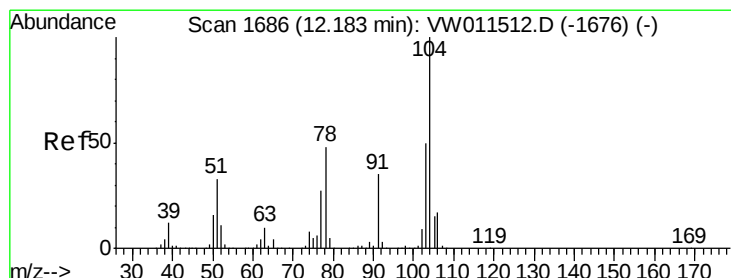
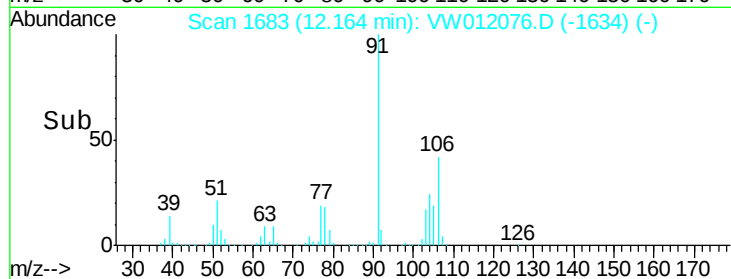
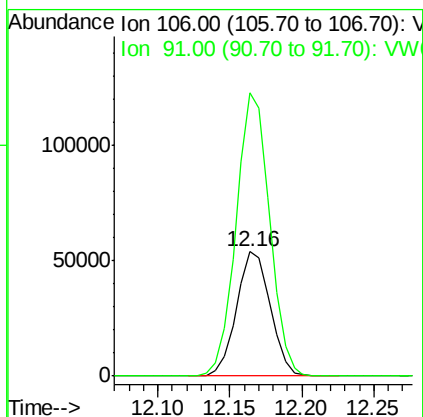
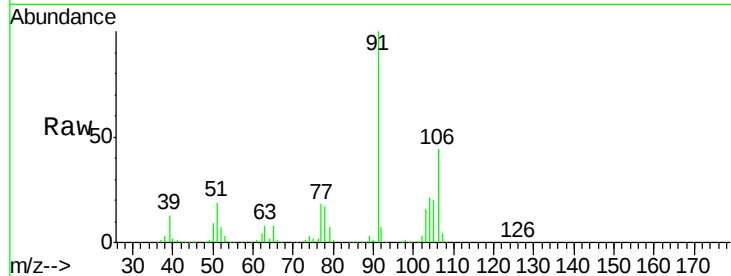




#69
o-Xylene
Concen: 22.185 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012076.D
Acq: 21 Aug 2019 18:08

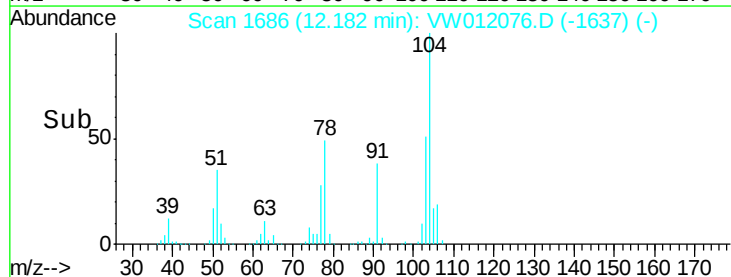
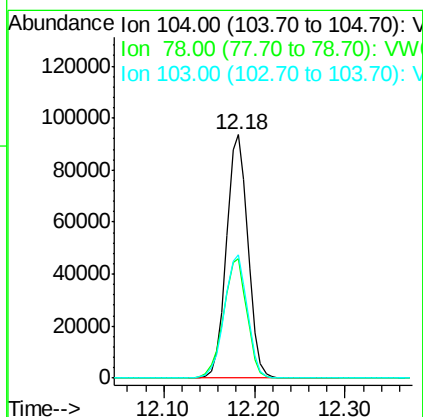
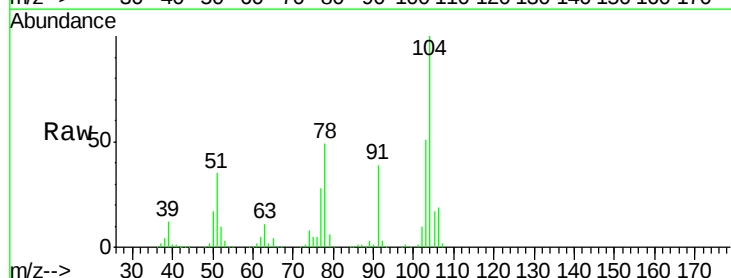
Instrument :
MSVOA_W
ClientSampleId :
VW0821SBS02

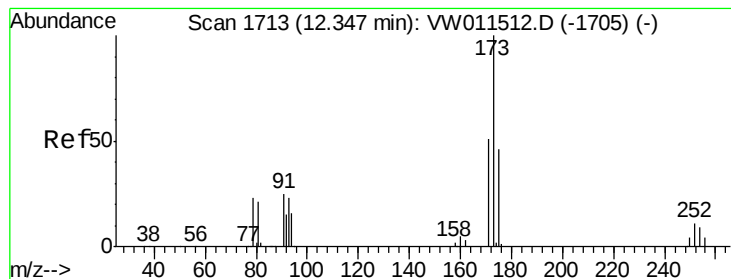
Tot Ion:106 Resp: 88318
Ion Ratio Lower Upper
106 100
91 224.7 110.5 331.5



#70
Styrene
Concen: 22.309 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012076.D
Acq: 21 Aug 2019 18:08

Tgt Ion:104 Resp: 153550
Ion Ratio Lower Upper
104 100
78 53.3 43.4 65.0
103 54.5 43.9 65.9





#71

Bromoform

Concen: 21.681 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012076.D

Acq: 21 Aug 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS02

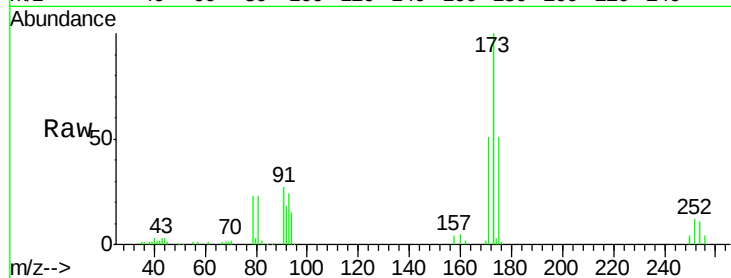
Tot Ion:173 Resp: 23816

Ion Ratio Lower Upper

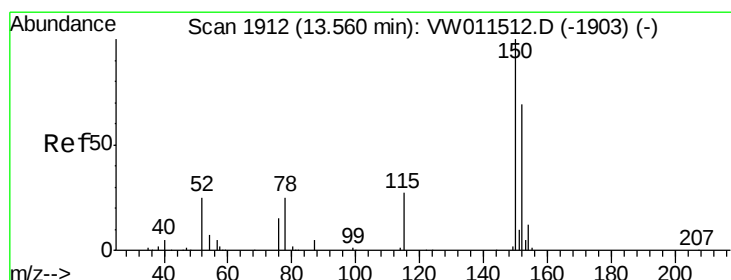
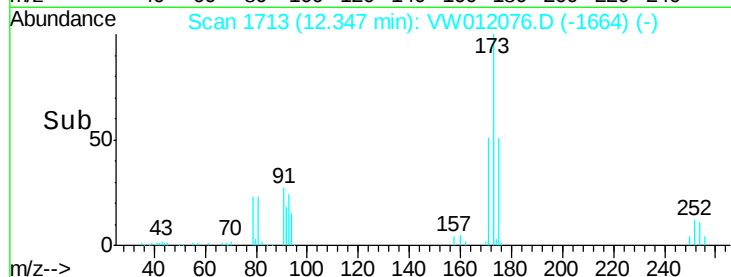
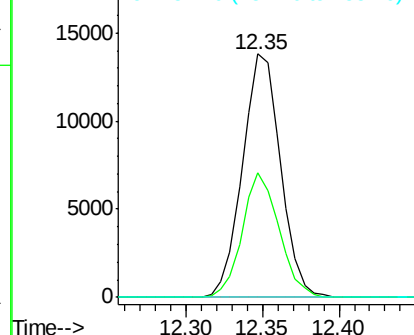
173 100

175 49.3 23.6 71.0

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012076.D

Acq: 21 Aug 2019 18:08

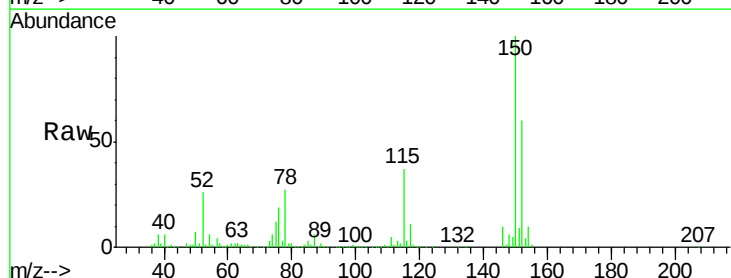
Tgt Ion:152 Resp: 150133

Ion Ratio Lower Upper

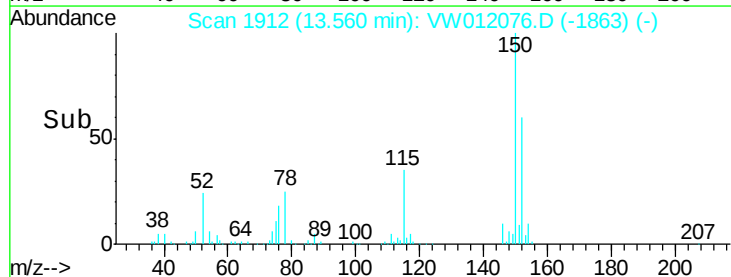
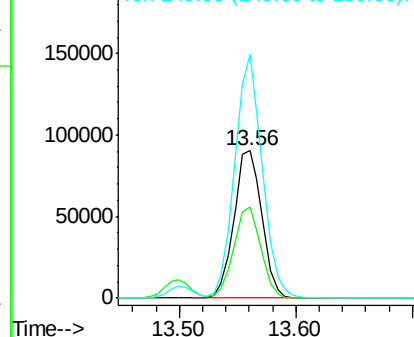
152 100

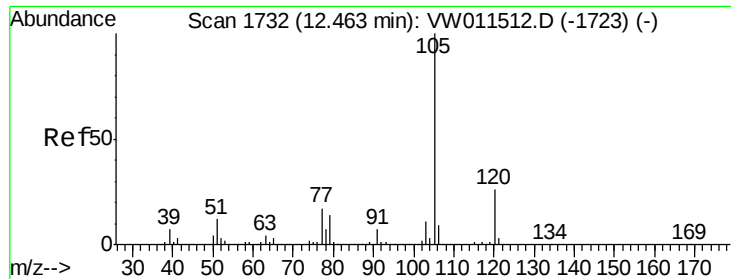
115 60.4 30.5 91.5

150 163.0 0.0 352.6



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





#73

Isopropylbenzene

Concen: 22.579 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012076.D

Acq: 21 Aug 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

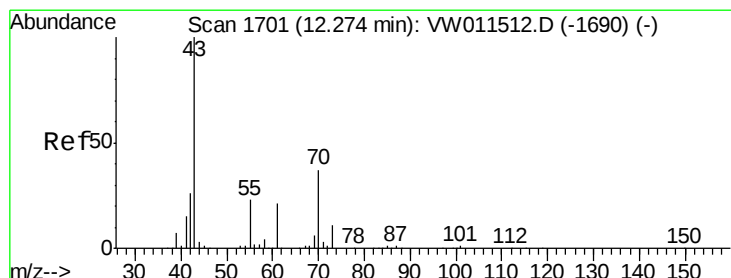
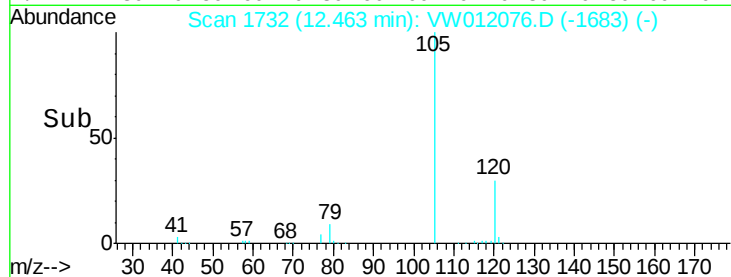
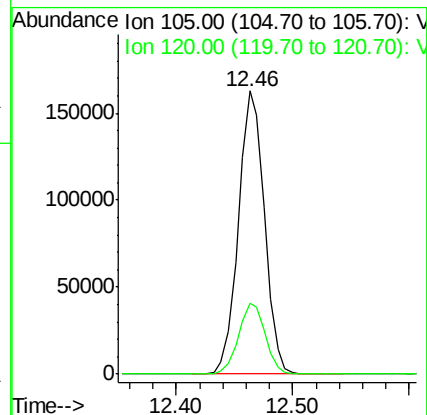
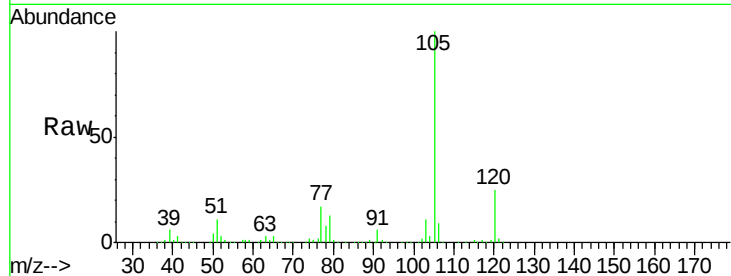
VW0821SBS02

Tot Ion:105 Resp: 252886

Ion Ratio Lower Upper

105 100

120 25.6 12.9 38.7



#74

N-ethyl acetate

Concen: 22.268 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012076.D

Acq: 21 Aug 2019 18:08

Tgt Ion: 43 Resp: 78084

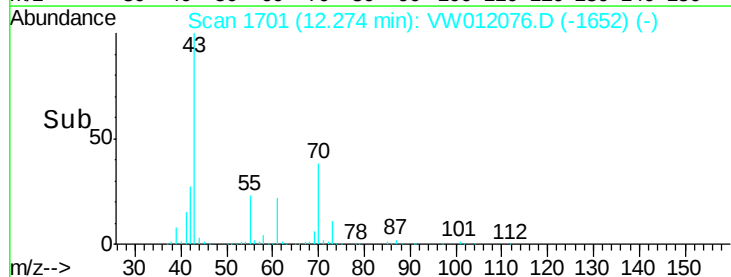
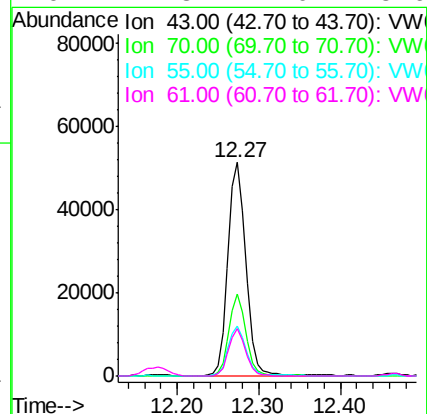
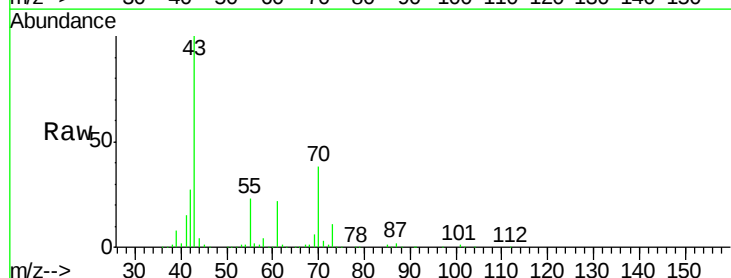
Ion Ratio Lower Upper

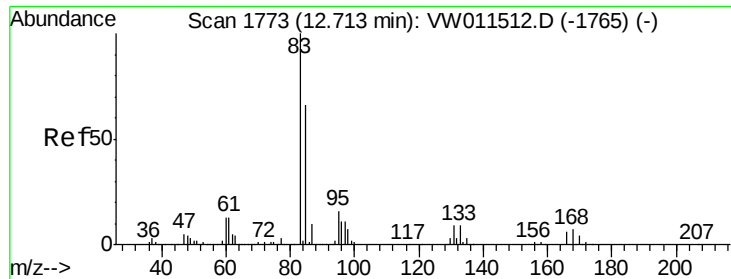
43 100

70 36.0 28.6 43.0

55 23.2 17.8 26.8

61 21.3 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.852 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012076.D

Acq: 21 Aug 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS02

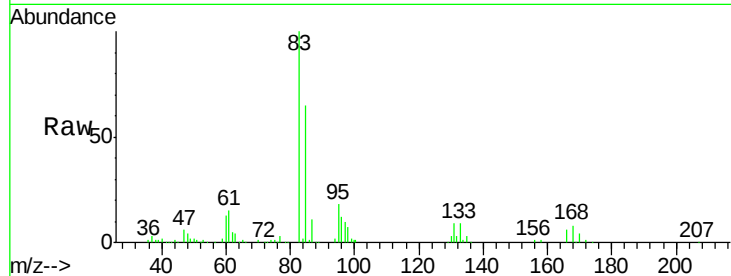
Tot Ion: 83 Resp: 48143

Ion Ratio Lower Upper

83 100

131 10.0 4.9 14.6

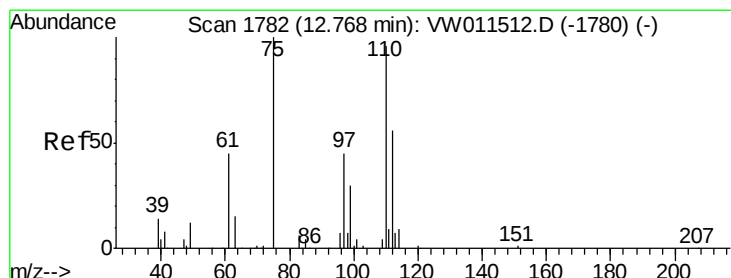
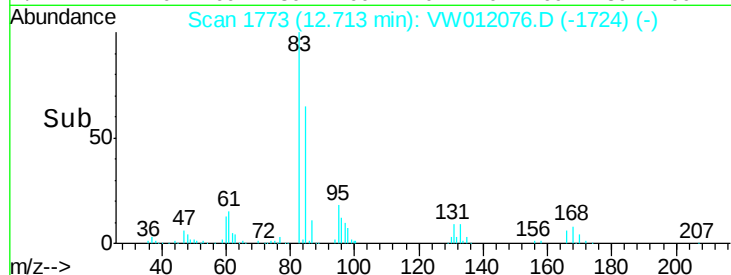
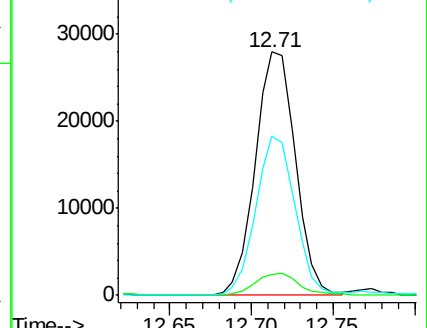
85 63.8 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 21.711 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012076.D

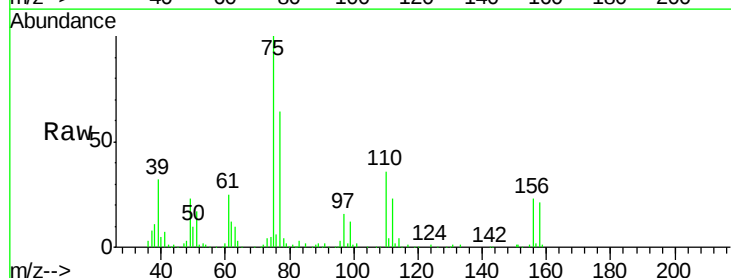
Acq: 21 Aug 2019 18:08

Tgt Ion: 75 Resp: 34489

Ion Ratio Lower Upper

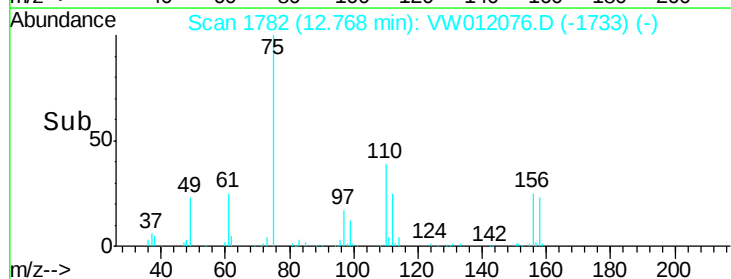
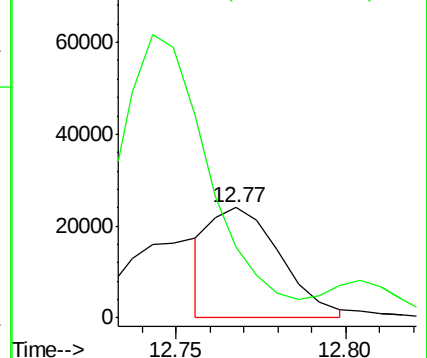
75 100

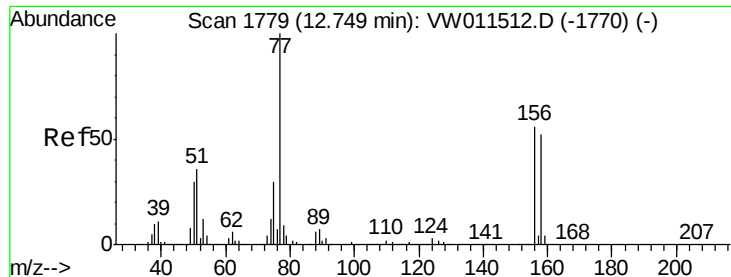
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.689 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW012076.D

Acq: 21 Aug 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS02

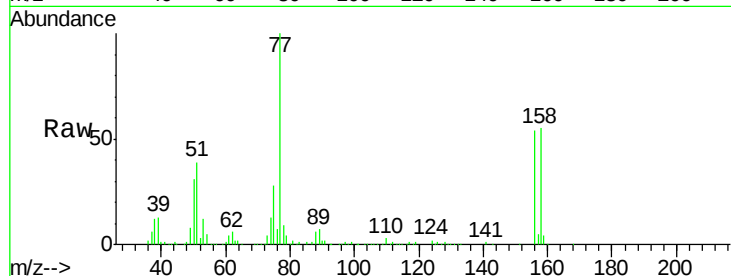
Tot Ion:156 Resp: 53694

Ion Ratio Lower Upper

156 100

77 215.8 106.5 319.4

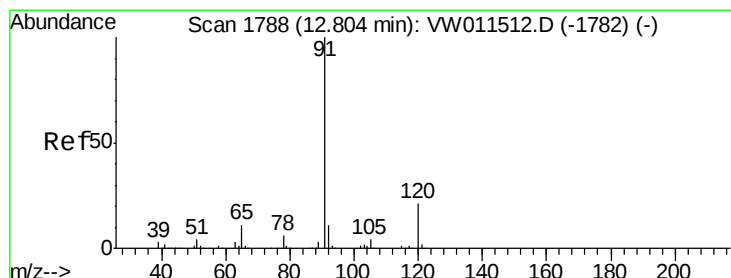
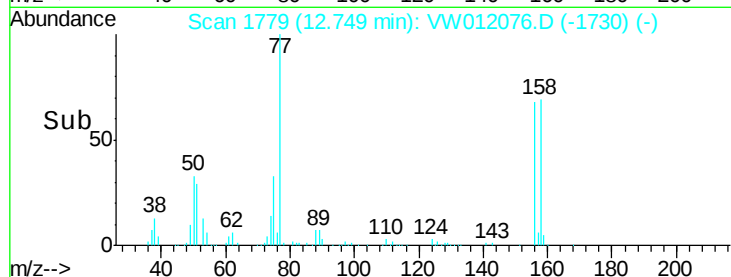
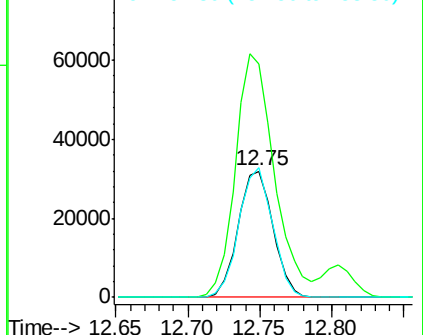
158 99.4 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.522 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012076.D

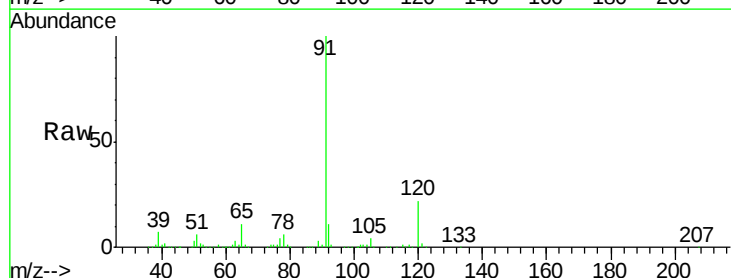
Acq: 21 Aug 2019 18:08

Tgt Ion: 91 Resp: 306990

Ion Ratio Lower Upper

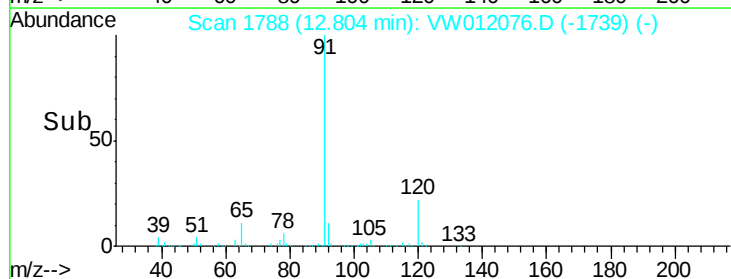
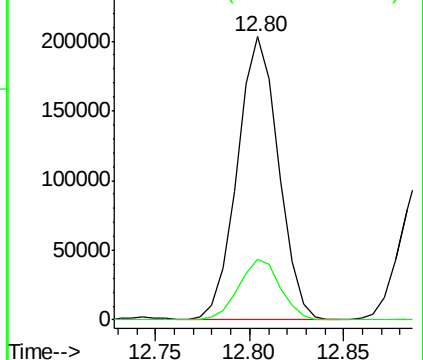
91 100

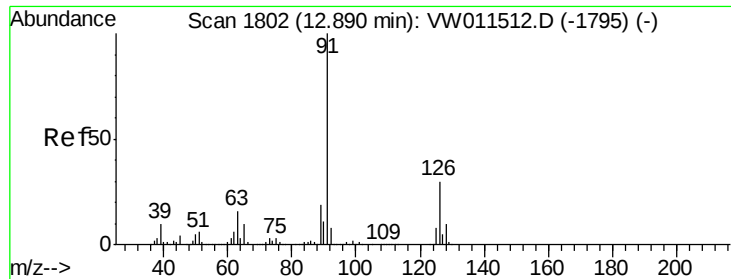
120 21.7 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.480 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012076.D

Acq: 21 Aug 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

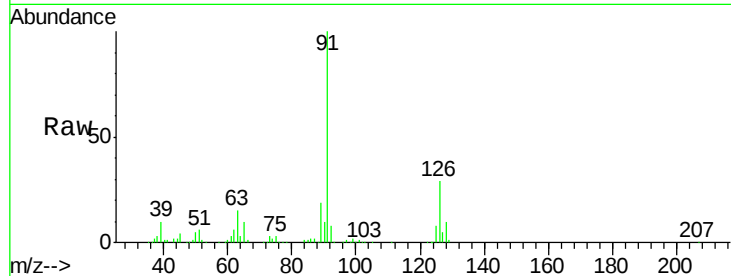
VW0821SBS02

Tot Ion: 91 Resp: 176532

Ion Ratio Lower Upper

91 100

126 30.9 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

200000

150000

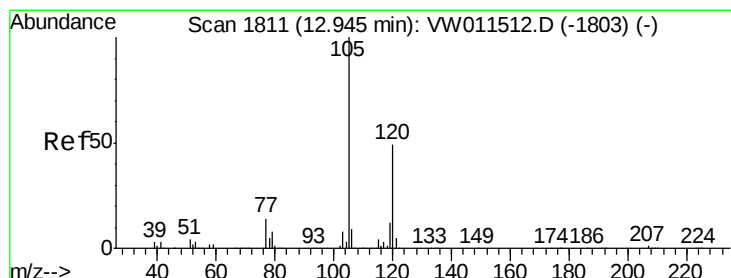
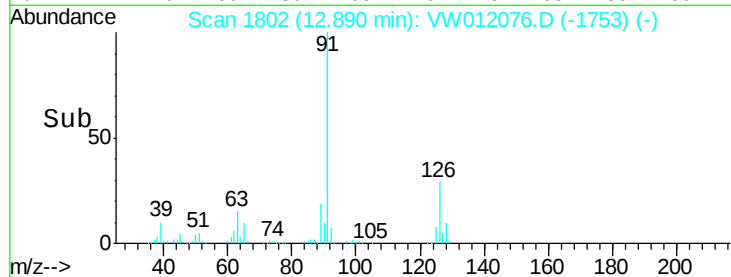
100000

50000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 22.639 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012076.D

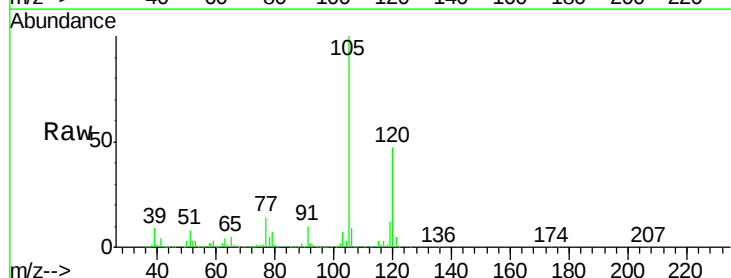
Acq: 21 Aug 2019 18:08

Tgt Ion:105 Resp: 212545

Ion Ratio Lower Upper

105 100

120 47.9 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

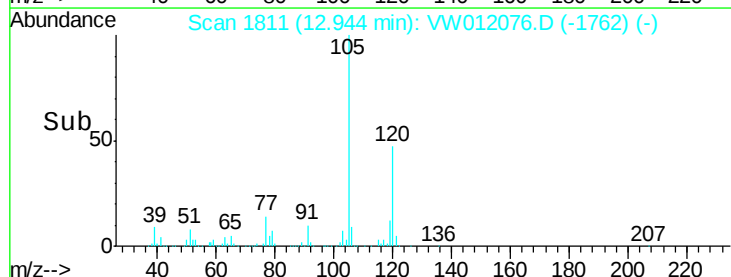
100000

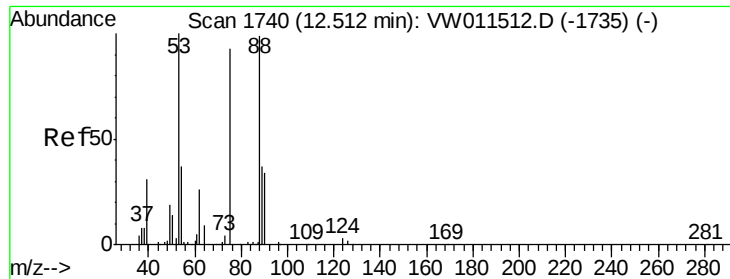
50000

0

12.90 13.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.794 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012076.D

Acq: 21 Aug 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS02

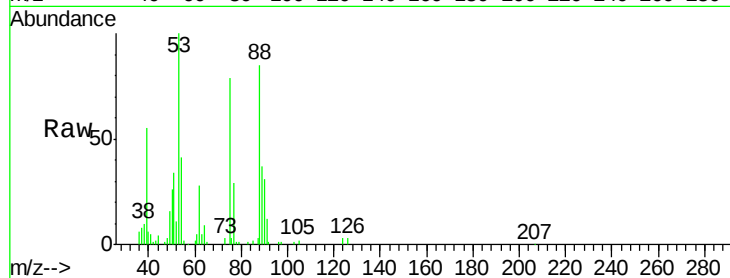
Tot Ion: 75 Resp: 14333

Ion Ratio Lower Upper

75 100

53 121.4 88.0 132.0

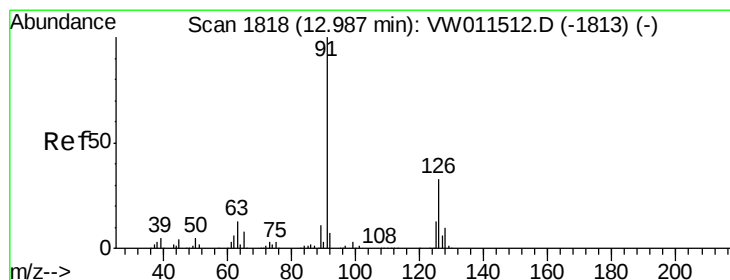
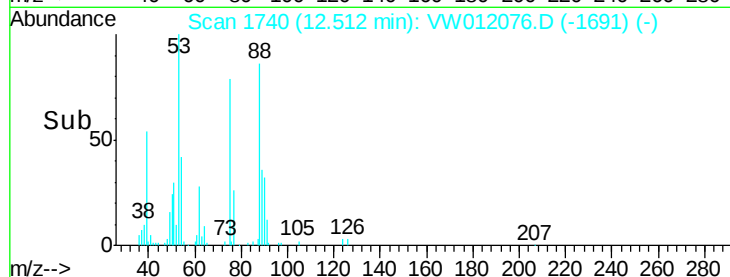
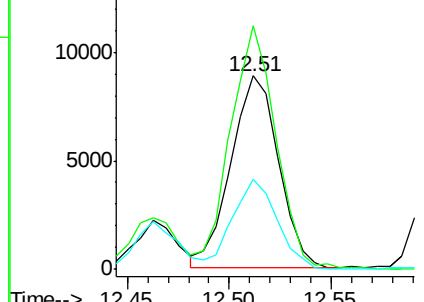
89 43.7 35.3 52.9



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: 22.123 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012076.D

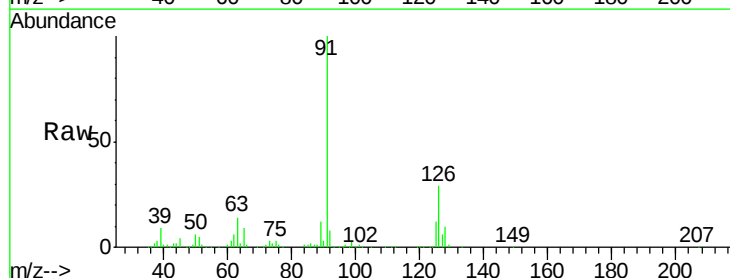
Acq: 21 Aug 2019 18:08

Tgt Ion: 91 Resp: 182271

Ion Ratio Lower Upper

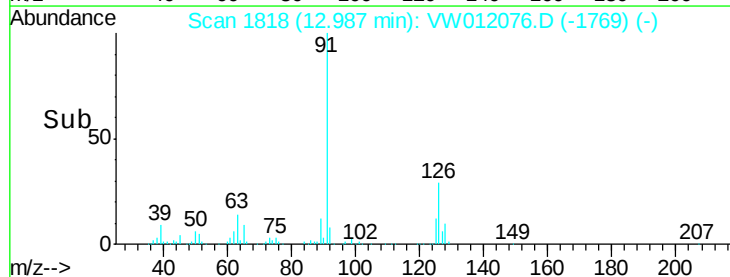
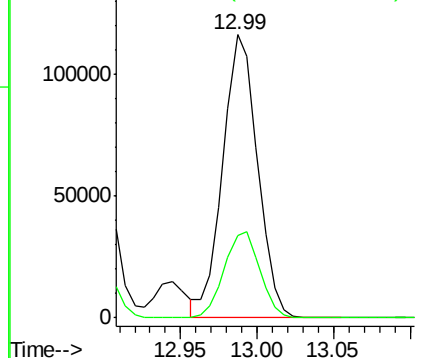
91 100

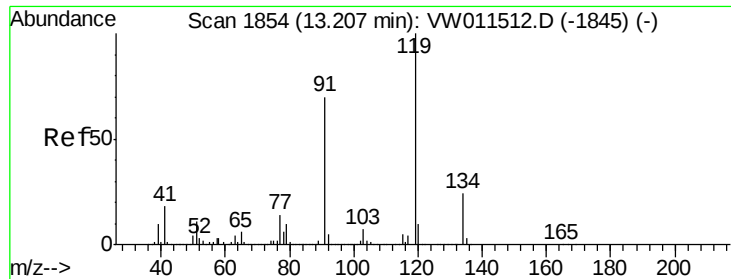
126 31.5 15.6 46.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): VW

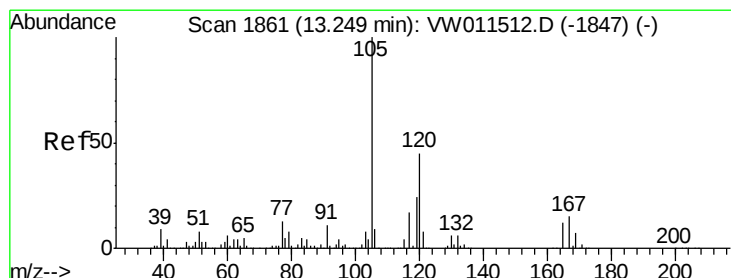
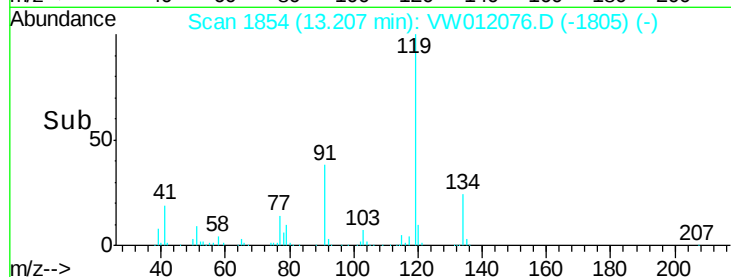
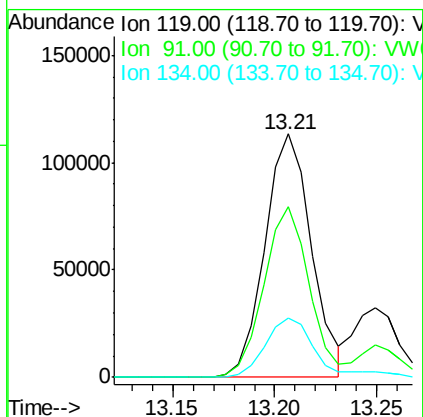
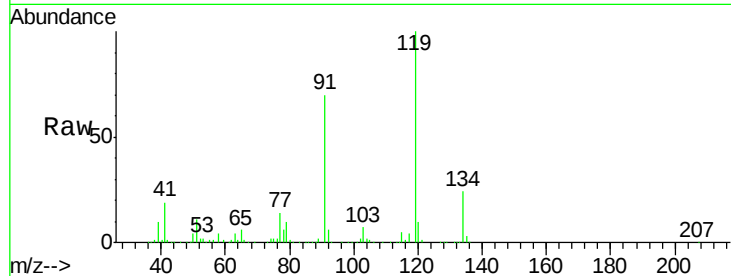




#83
 tert-Butylbenzene
 Concen: 22.954 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012076.D
 Acq: 21 Aug 2019 18:08

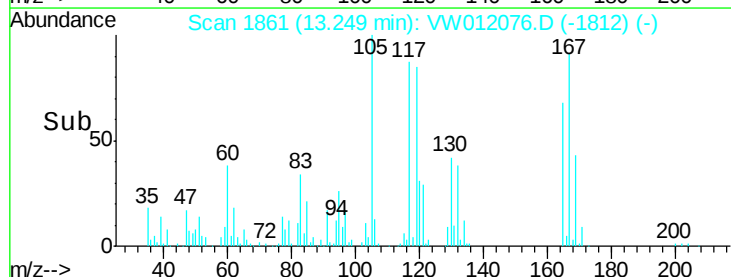
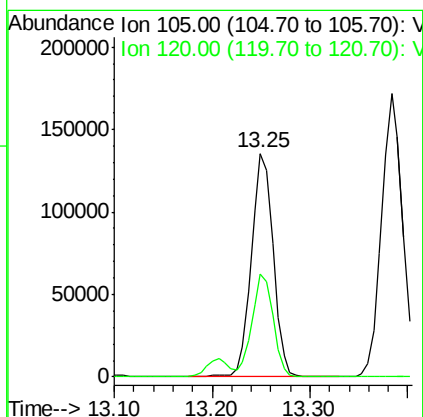
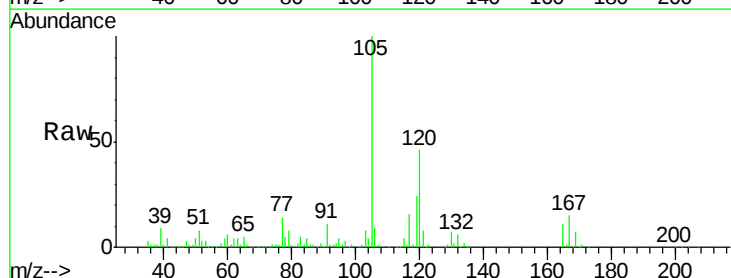
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBS02

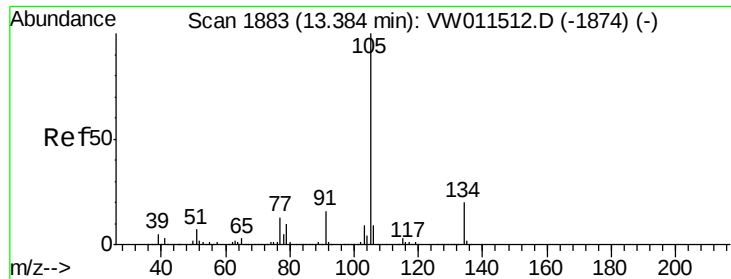
Tot Ion:119 Resp: 180218
 Ion Ratio Lower Upper
 119 100
 91 68.0 34.5 103.6
 134 24.6 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 22.258 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012076.D
 Acq: 21 Aug 2019 18:08

Tgt Ion:105 Resp: 210512
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.1 66.5





#85

sec-Butylbenzene

Concen: 22.717 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012076.D

Acq: 21 Aug 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

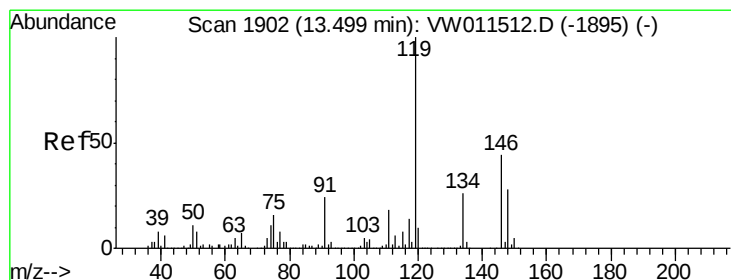
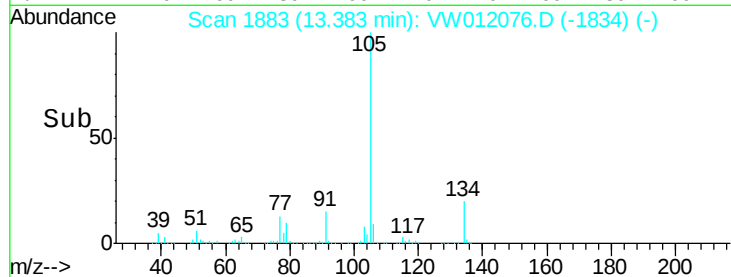
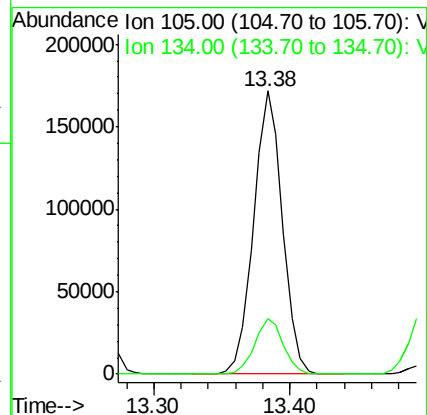
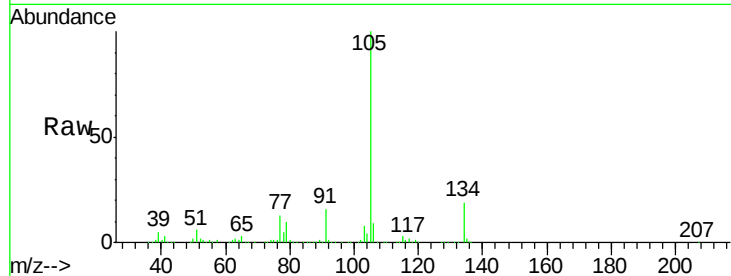
VW0821SBS02

Tot Ion:105 Resp: 254494

Ion Ratio Lower Upper

105 100

134 19.5 9.7 29.1



#86

p-Isopropyltoluene

Concen: 22.491 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012076.D

Acq: 21 Aug 2019 18:08

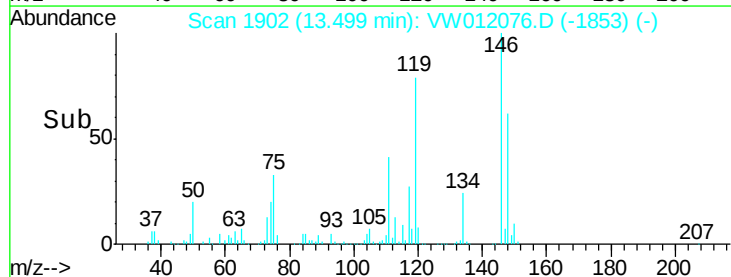
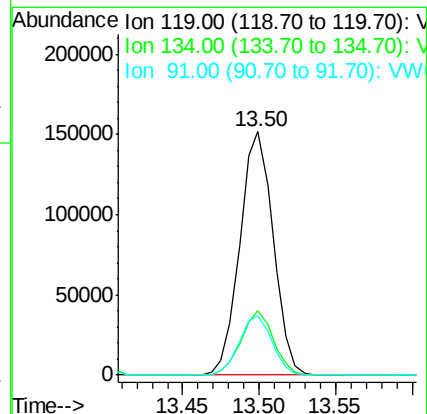
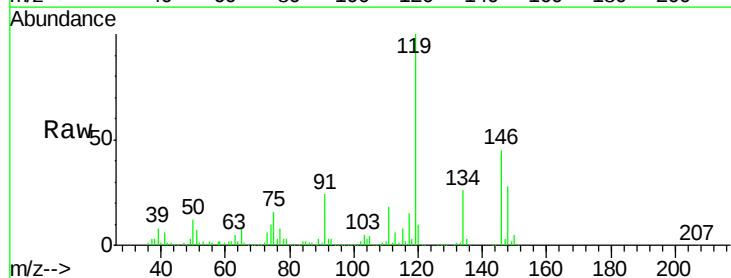
Tgt Ion:119 Resp: 228609

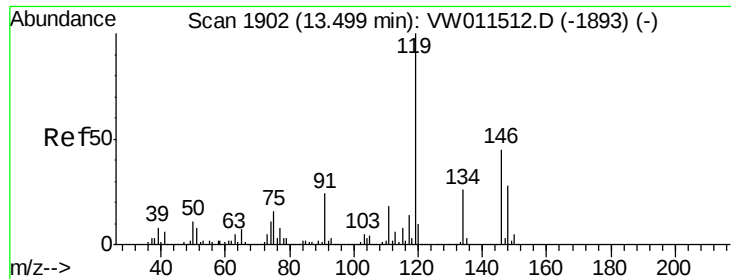
Ion Ratio Lower Upper

119 100

134 25.9 12.8 38.4

91 24.3 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 21.694 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012076.D

Acq: 21 Aug 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS02

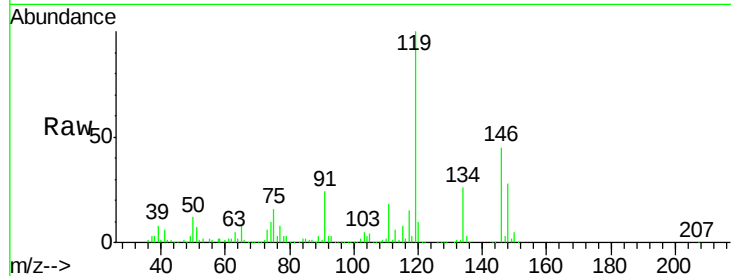
Tot Ion:146 Resp: 105305

Ion Ratio Lower Upper

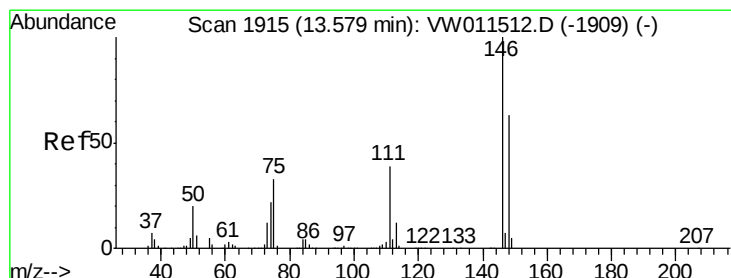
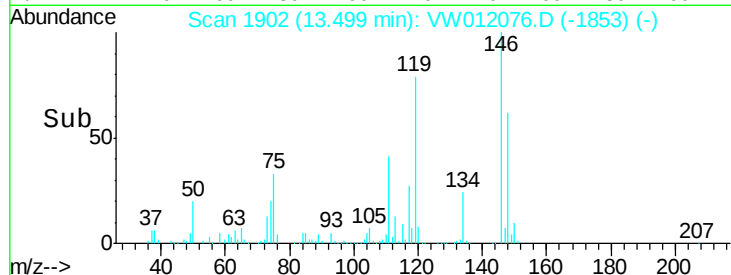
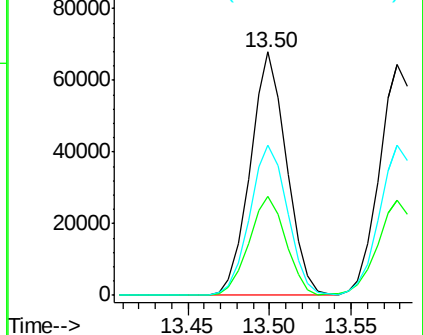
146 100

111 41.3 20.5 61.6

148 64.1 31.8 95.3



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



#88

1,4-Dichlorobenzene

Concen: 21.803 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW012076.D

Acq: 21 Aug 2019 18:08

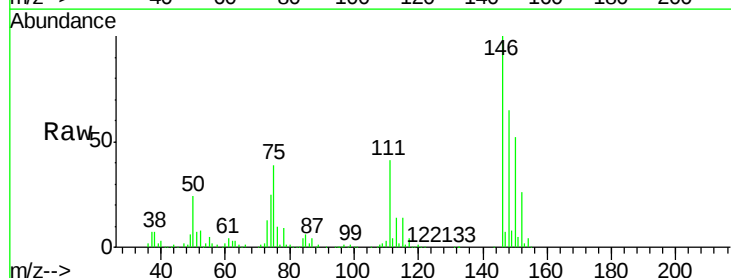
Tgt Ion:146 Resp: 105279

Ion Ratio Lower Upper

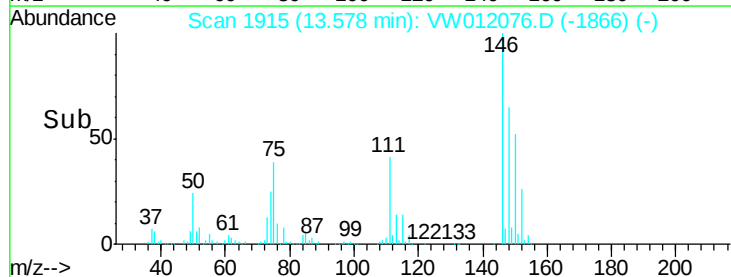
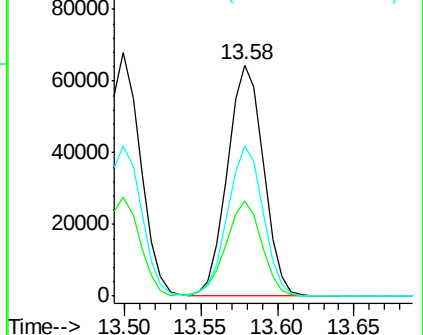
146 100

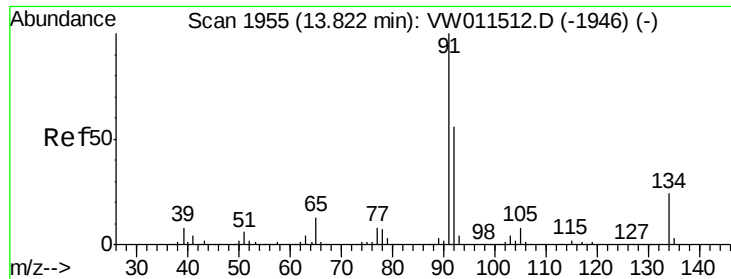
111 41.1 20.1 60.2

148 64.0 31.9 95.9



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





#89

n-Butylbenzene

Concen: 22.296 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012076.D

Acq: 21 Aug 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS02

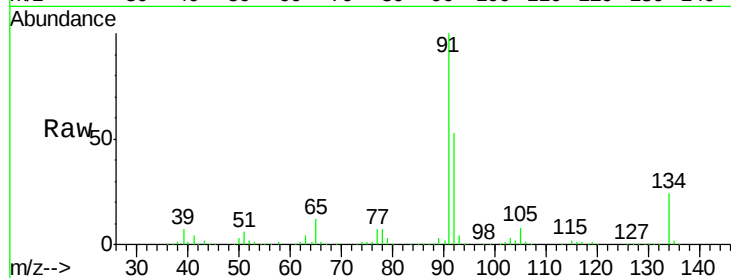
Tot Ion: 91 Resp: 226153

Ion Ratio Lower Upper

91 100

92 53.6 27.5 82.4

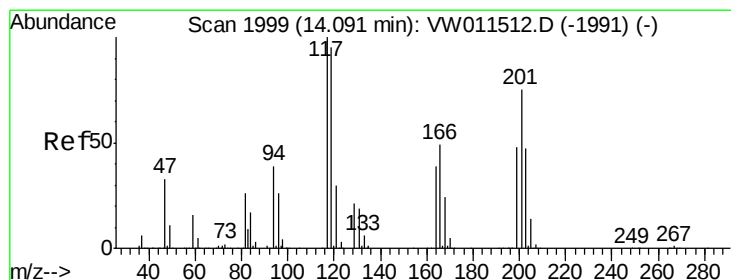
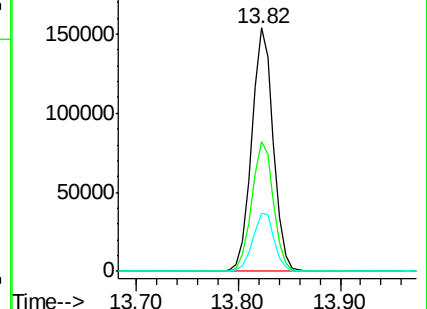
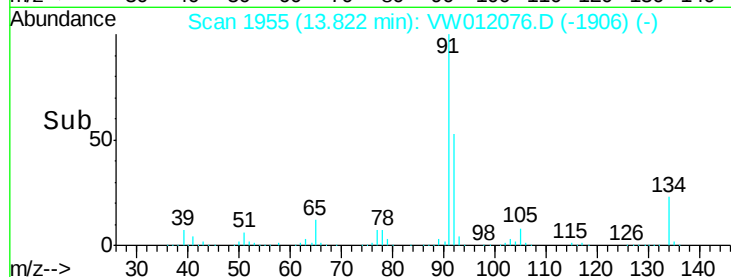
134 24.2 12.2 36.6



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: 21.457 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012076.D

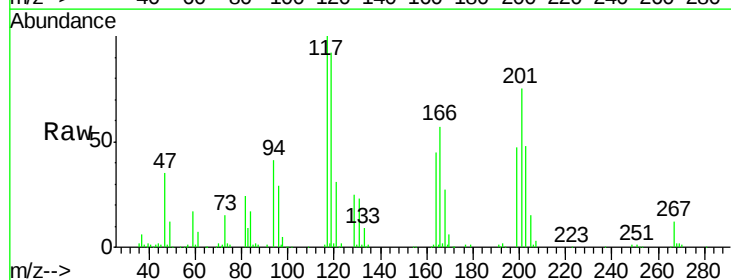
Acq: 21 Aug 2019 18:08

Tgt Ion: 117 Resp: 38566

Ion Ratio Lower Upper

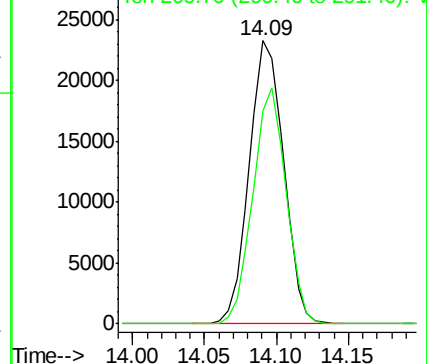
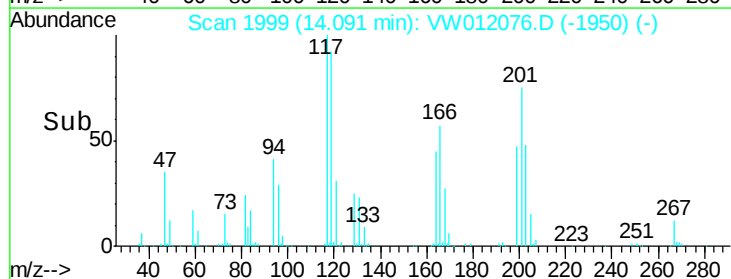
117 100

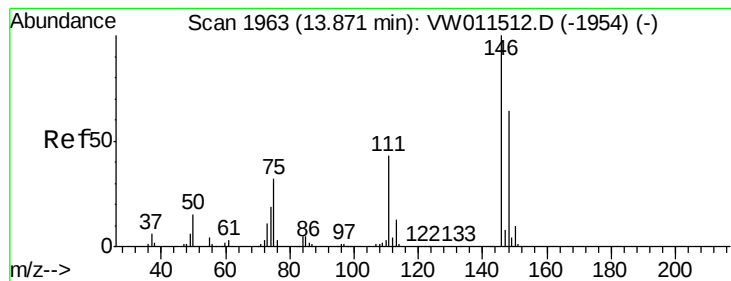
201 80.1 39.4 118.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 21.928 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW012076.D

Acq: 21 Aug 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS02

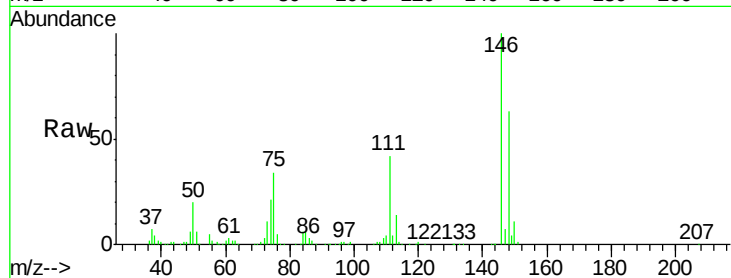
Tot Ion:146 Resp: 94142

Ion Ratio Lower Upper

146 100

111 43.3 21.6 65.0

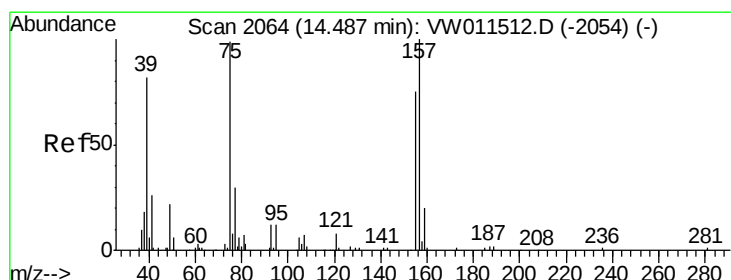
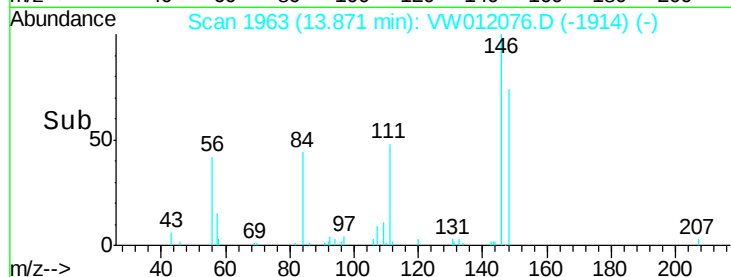
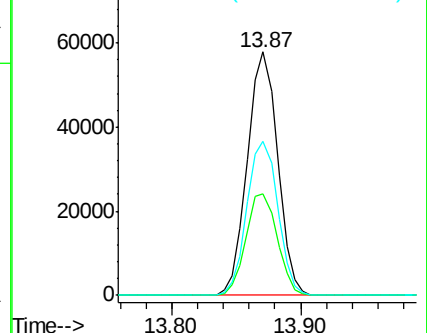
148 64.6 32.0 96.2



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: 22.597 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW012076.D

Acq: 21 Aug 2019 18:08

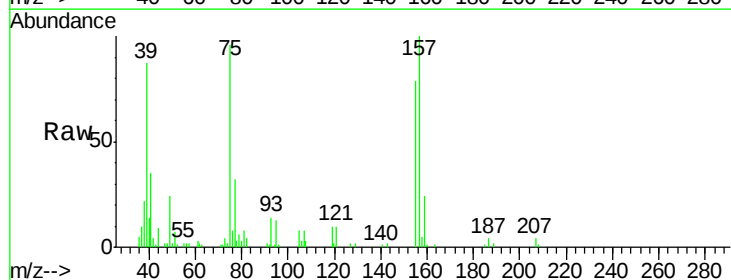
Tgt Ion: 75 Resp: 8118

Ion Ratio Lower Upper

75 100

155 76.0 38.2 114.6

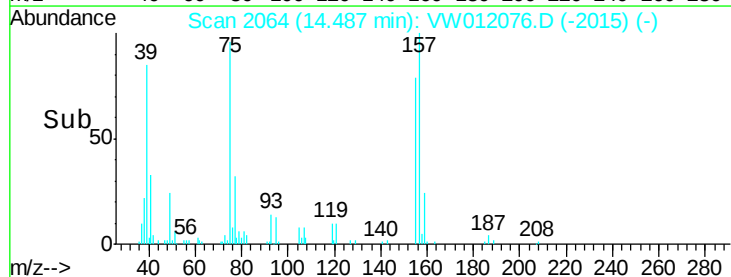
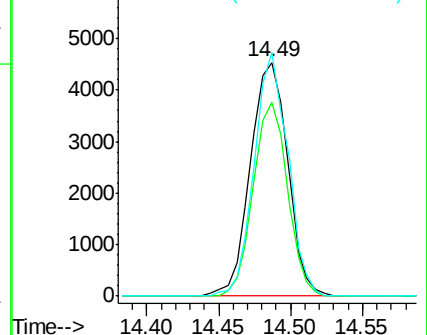
157 93.3 48.9 146.7

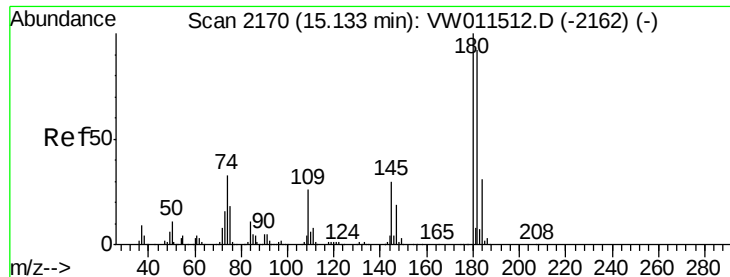


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

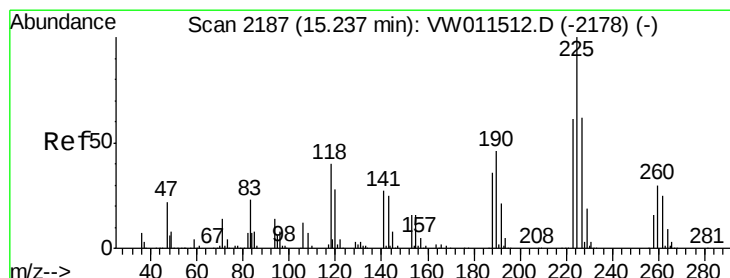
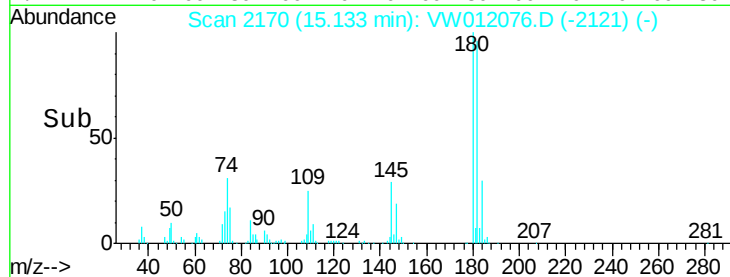
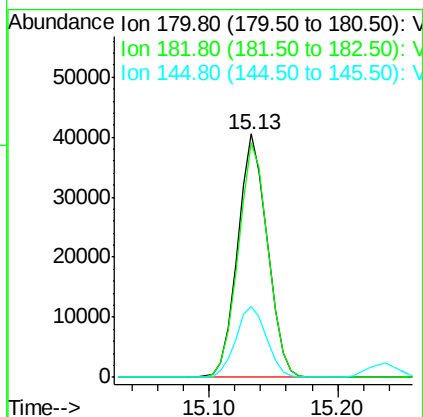
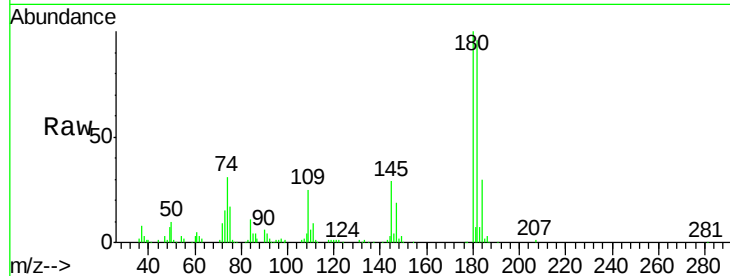




#93
 1,2,4-Trichlorobenzene
 Concen: 21.261 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012076.D
 Acq: 21 Aug 2019 18:08

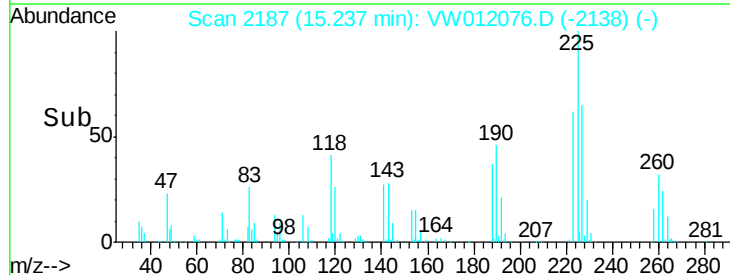
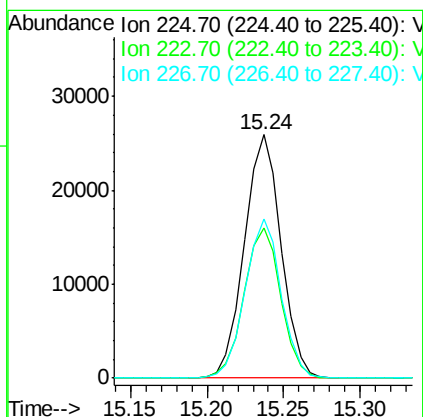
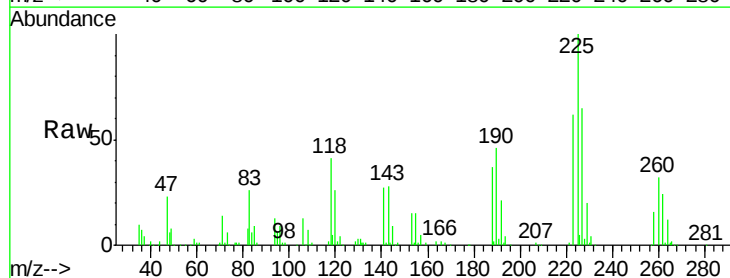
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBS02

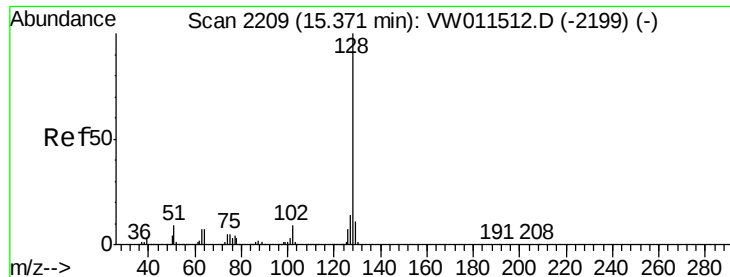
Tot Ion:180 Resp: 64330
 Ion Ratio Lower Upper
 180 100
 182 96.5 47.4 142.2
 145 30.3 15.4 46.1



#94
 Hexachlorobutadiene
 Concen: 22.885 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012076.D
 Acq: 21 Aug 2019 18:08

Tgt Ion:225 Resp: 43182
 Ion Ratio Lower Upper
 225 100
 223 61.9 30.8 92.3
 227 64.0 31.6 94.7





#95

Naphthalene

Concen: 21.260 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW012076.D

Acq: 21 Aug 2019 18:08

Instrument :

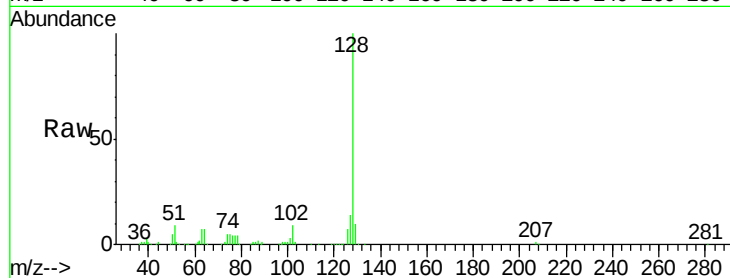
MSVOA_W

ClientSampleId :

VW0821SBS02

Tot Ion:128 Resp: 118667

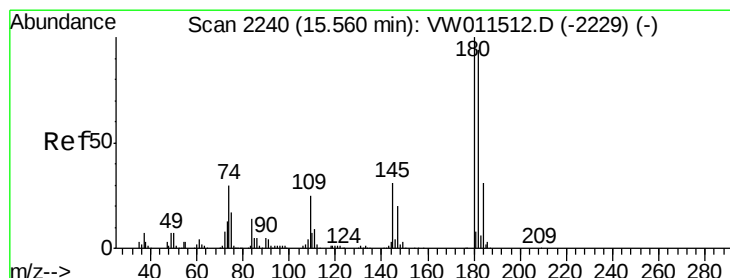
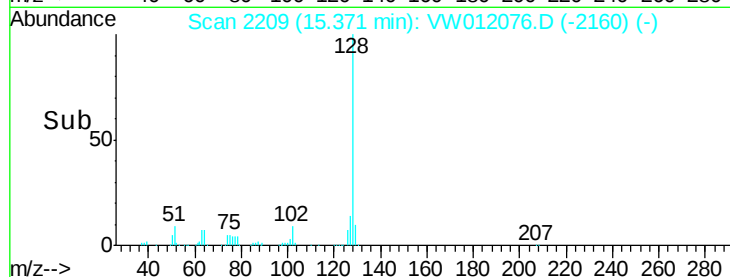
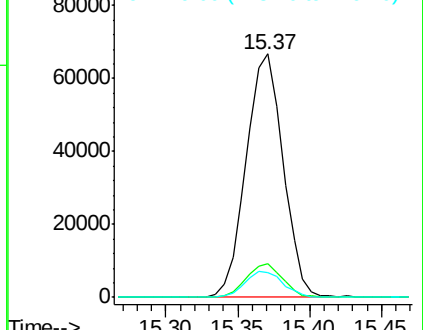
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	16.0
129	11.0	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.631 ug/l

RT: 15.56 min Scan# 2240

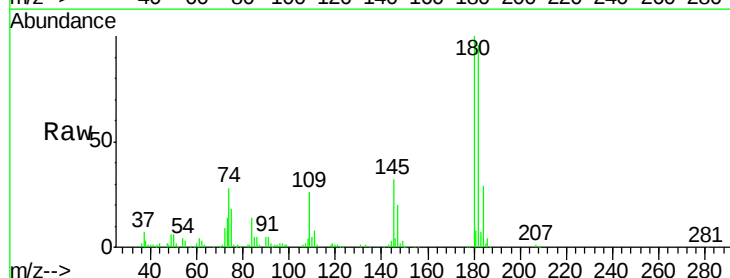
Delta R.T. -0.00 min

Lab File: VW012076.D

Acq: 21 Aug 2019 18:08

Tgt Ion:180 Resp: 57371

Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.4	142.2
145	32.9	15.9	47.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

