

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060619\
 Data File : VW010704.D
 Acq On : 06 Jun 2019 12:36
 Operator : SY/VA
 Sample : VW0606SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0606SBS01

Quant Time: Jun 07 07:38:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	278765	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	450974	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	403439	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	193602	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	164062	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
35) Dibromofluoromethane	7.88	113	129146	52.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.52%	
50) Toluene-d8	10.32	98	540988	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
62) 4-Bromofluorobenzene	12.62	95	200199	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	50672	19.670	ug/l	99
3) Chloromethane	2.21	50	72376	19.096	ug/l	97
4) Vinyl Chloride	2.35	62	66100	18.877	ug/l	98
5) Bromomethane	2.74	94	36055	18.750	ug/l	98
6) Chloroethane	2.90	64	39755	18.914	ug/l	100
7) Trichlorofluoromethane	3.25	101	91521	20.134	ug/l	100
8) Diethyl Ether	3.68	74	31337	19.291	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.05	101	55381	19.817	ug/l	99
10) Methyl Iodide	4.26	142	45670	19.140	ug/l	98
11) Tert butyl alcohol	5.17	59	36797	137.466	ug/l	95
12) 1,1-Dichloroethene	4.03	96	52287	19.395	ug/l	97
13) Acrolein	3.89	56	10034	91.733	ug/l	98
14) Allyl chloride	4.67	41	120026	20.192	ug/l	98
15) Acrylonitrile	5.37	53	76520	96.962	ug/l	99
16) Acetone	4.12	43	82609	93.831	ug/l	99
17) Carbon Disulfide	4.37	76	166245	19.426	ug/l	100
18) Methyl Acetate	4.67	43	35581	18.775	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	150965	19.416	ug/l	97
20) Methylene Chloride	4.92	84	60092	19.456	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	60435	19.748	ug/l	99
22) Diisopropyl ether	6.31	45	239116	20.093	ug/l	98
23) Vinyl Acetate	6.26	43	716822	99.810	ug/l	100
24) 1,1-Dichloroethane	6.21	63	119337	20.010	ug/l	98
25) 2-Butanone	7.17	43	121725	99.709	ug/l	100
26) 2,2-Dichloropropane	7.17	77	103429	21.313	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	66238	19.667	ug/l	96
28) Bromochloromethane	7.51	49	53597	20.138	ug/l	98
29) Tetrahydrofuran	7.53	42	73861	96.189	ug/l	100
30) Chloroform	7.68	83	108144	19.825	ug/l	98
31) Cyclohexane	7.95	56	130827	19.734	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	95084	19.955	ug/l	99
36) 1,1-Dichloropropene	8.08	75	93513	20.257	ug/l	100
37) Ethyl Acetate	7.25	43	50990	19.933	ug/l	100
38) Carbon Tetrachloride	8.07	117	80438	20.185	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	117814	20.076	ug/l	99
40) Benzene	8.32	78	251282	19.954	ug/l	100
41) Methacrylonitrile	7.48	41	29800	19.599	ug/l	99
42) 1,2-Dichloroethane	8.40	62	80204	20.067	ug/l	99
43) Isopropyl Acetate	8.43	43	97548	19.739	ug/l	100
44) Trichloroethene	9.09	130	60426	19.452	ug/l	97
45) 1,2-Dichloropropane	9.37	63	67166	20.148	ug/l	98
46) Dibromomethane	9.46	93	30282	19.557	ug/l	99
47) Bromodichloromethane	9.65	83	79483	19.803	ug/l	96
48) Methyl methacrylate	9.43	41	46642	19.575	ug/l	99
49) 1,4-Dioxane	9.45	88	9660	399.038	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	251323	99.545	ug/l	100
52) Toluene	10.39	92	155138	20.022	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	84405	19.854	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	100304	20.051	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	43450	19.479	ug/l	97
56) Ethyl methacrylate	10.65	69	67522	19.672	ug/l	98
57) 1,3-Dichloropropane	10.93	76	82905	19.722	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	179119	99.634	ug/l	100
59) 2-Hexanone	10.97	43	178310	97.722	ug/l	99
60) Dibromochloromethane	11.13	129	47643	19.268	ug/l	98
61) 1,2-Dibromoethane	11.24	107	41818	19.787	ug/l	98
64) Tetrachloroethene	10.86	164	52003	19.414	ug/l	99
65) Chlorobenzene	11.66	112	156907	19.778	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	53196	19.370	ug/l	98
67) Ethyl Benzene	11.73	91	301063	19.745	ug/l	99
68) m/p-Xylenes	11.84	106	216741	39.710	ug/l	99
69) o-Xylene	12.16	106	101270	19.563	ug/l	97
70) Styrene	12.18	104	175703	19.539	ug/l	99
71) Bromoform	12.35	173	26594	18.723	ug/l #	100
73) Isopropylbenzene	12.46	105	286796	19.713	ug/l	99
74) N-amyl acetate	12.27	43	91283	19.414	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	52255	18.867	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	71289	35.064	ug/l #	100
77) Bromobenzene	12.75	156	61856	19.478	ug/l	98
78) n-propylbenzene	12.80	91	351342	20.028	ug/l	100
79) 2-Chlorotoluene	12.90	91	197590	19.715	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	236705	19.878	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	16396	18.535	ug/l	96
82) 4-Chlorotoluene	12.99	91	204476	19.770	ug/l	100
83) tert-Butylbenzene	13.21	119	199155	19.706	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	236121	19.705	ug/l	100
85) sec-Butylbenzene	13.38	105	290964	19.774	ug/l	100
86) p-Isopropyltoluene	13.50	119	261189	19.850	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	120734	19.714	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	120237	19.804	ug/l	98
89) n-Butylbenzene	13.83	91	265055	20.189	ug/l	99
90) Hexachloroethane	14.10	117	45957	19.503	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	106728	19.379	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9098	19.129	ug/l	96

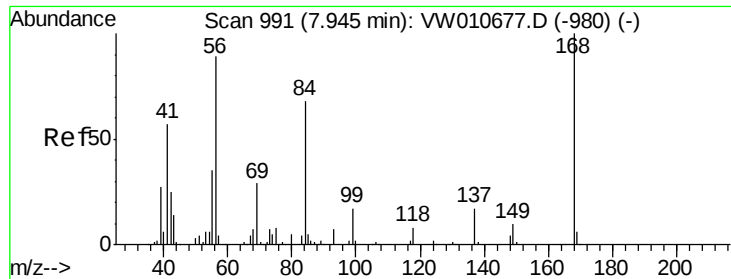
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW060619\
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Operator : SY/VA
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	76805	19.873	ug/l	98
94) Hexachlorobutadiene	15.24	225	48408	19.957	ug/l	100
95) Naphthalene	15.37	128	132140	18.818	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	65057	19.793	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW010704.D

Acq: 06 Jun 2019 12:36

Instrument :

MSVOA_W

ClientSampleId :

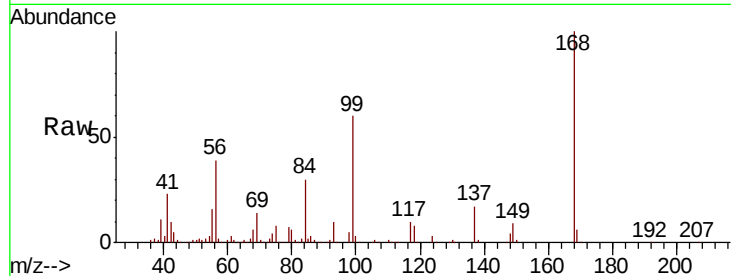
VW0606SBSD01

Tot Ion:168 Resp: 278765

Ion Ratio Lower Upper

168 100

99 60.1 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): VW010677.D (-980) (-)

Ion 98.90 (98.60 to 99.60): VW010677.D (-980) (-)

7.95

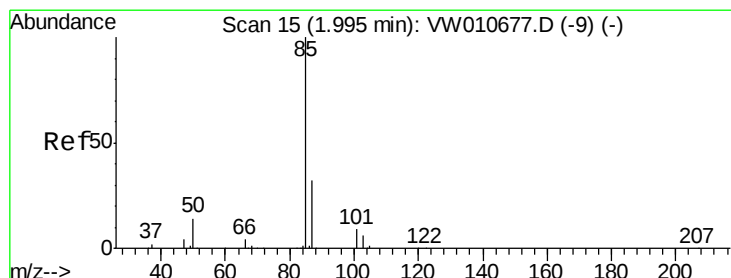
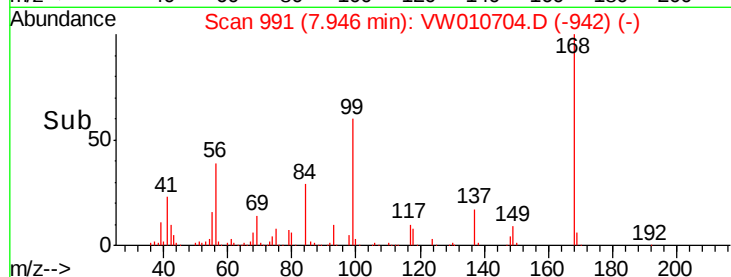
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 19.670 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW010704.D

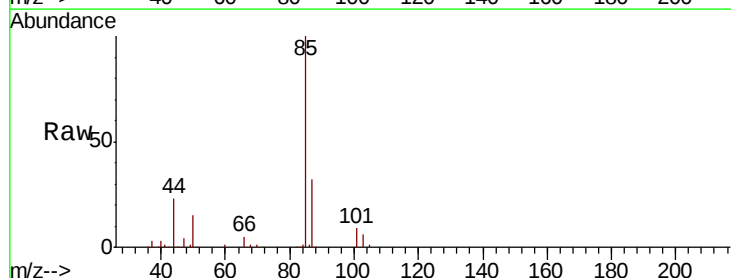
Acq: 06 Jun 2019 12:36

Tgt Ion: 85 Resp: 50672

Ion Ratio Lower Upper

85 100

87 31.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW010677.D (-9) (-)

Ion 86.90 (86.60 to 87.60): VW010677.D (-9) (-)

2.00

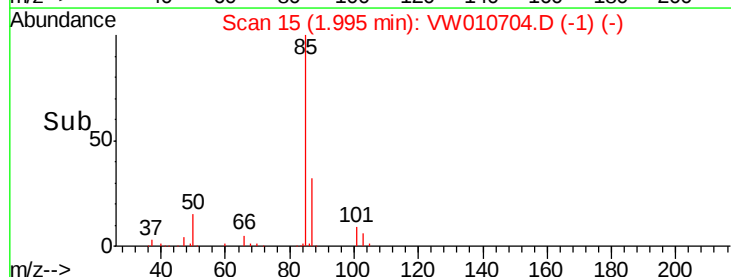
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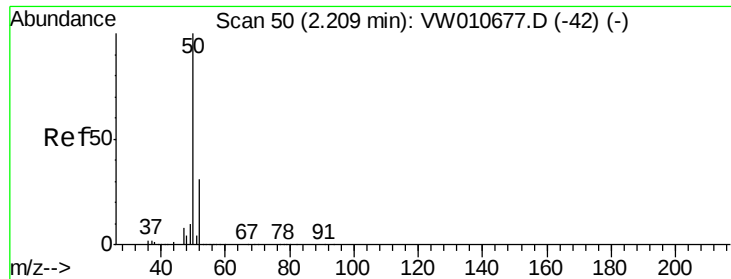
20000

10000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 19.096 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW010704.D

Acq: 06 Jun 2019 12:36

Instrument :

MSVOA_W

ClientSampleId :

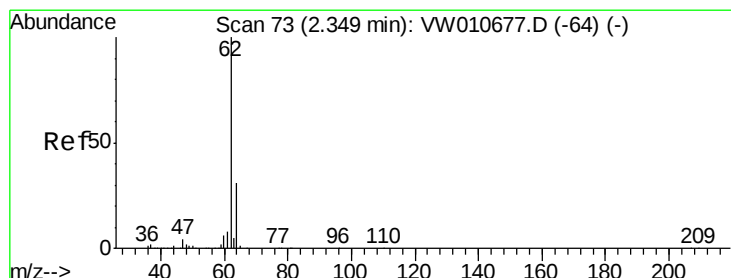
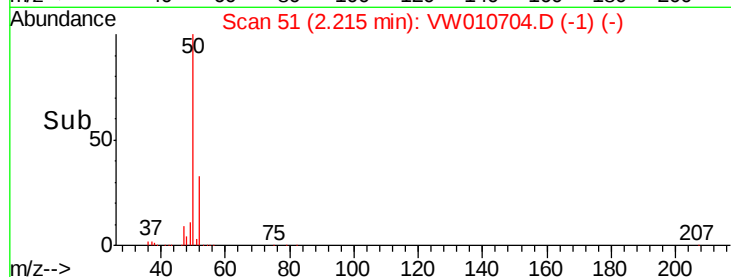
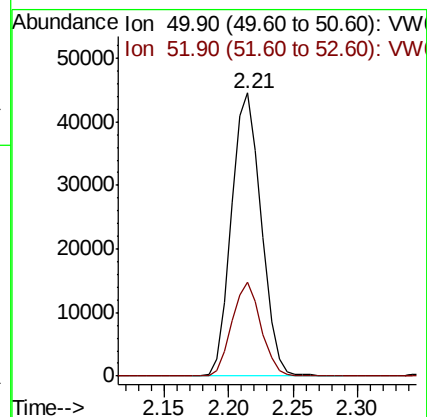
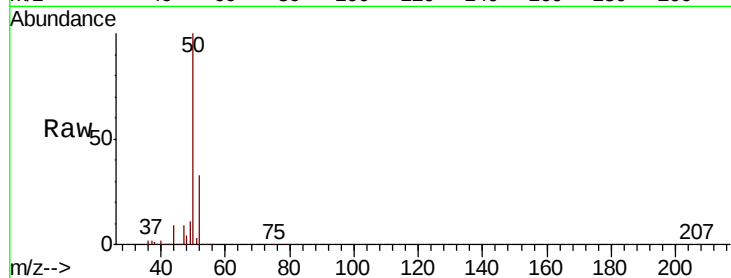
VW0606SBSD01

Tot Ion: 50 Resp: 72376

Ion Ratio Lower Upper

50 100

52 33.4 25.2 37.8



#4

Vinyl Chloride

Concen: 18.877 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VW010704.D

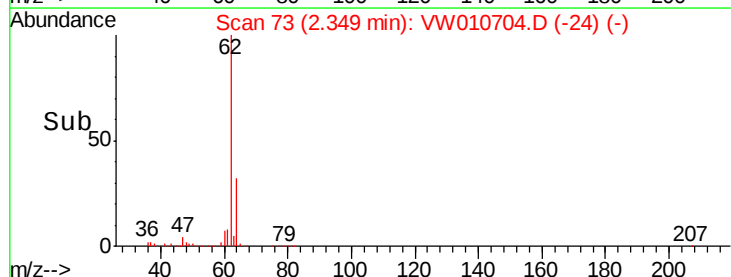
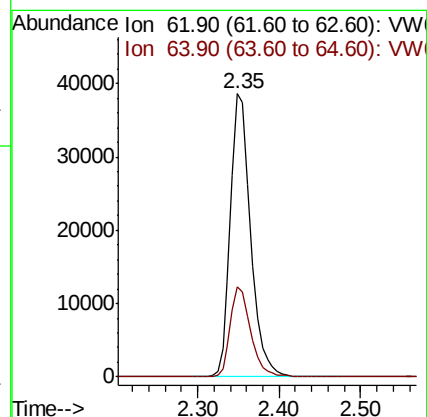
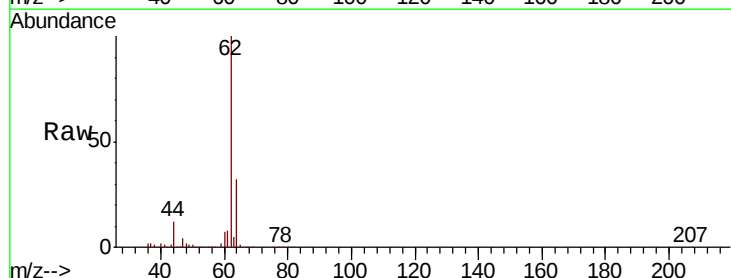
Acq: 06 Jun 2019 12:36

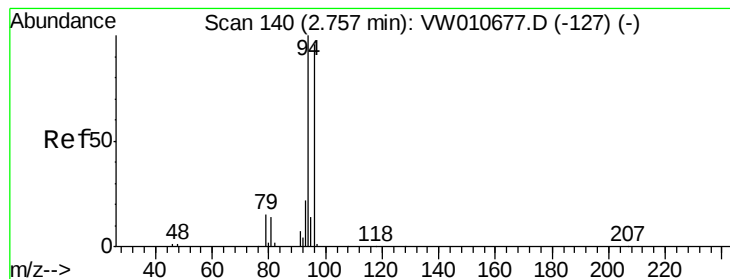
Tgt Ion: 62 Resp: 66100

Ion Ratio Lower Upper

62 100

64 31.6 24.5 36.7





#5

Bromomethane

Concen: 18.750 ug/l

RT: 2.74 min Scan# 137

Delta R.T. -0.02 min

Lab File: VW010704.D

Acq: 06 Jun 2019 12:36

Instrument :

MSVOA_W

ClientSampleId :

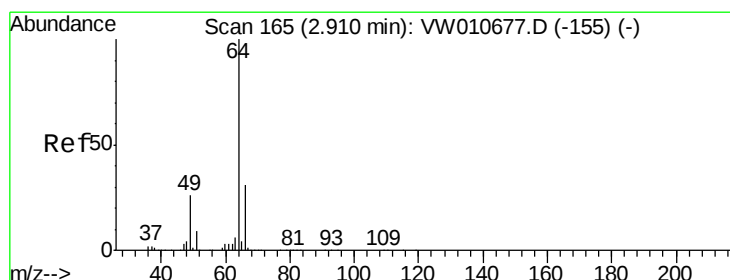
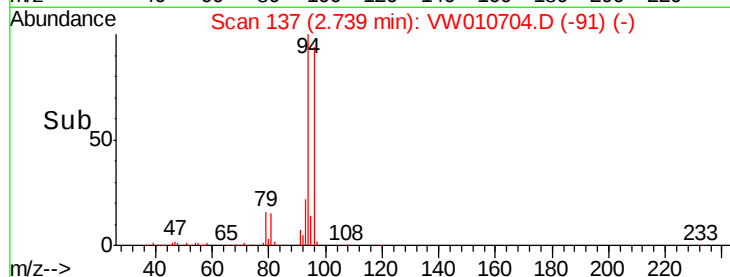
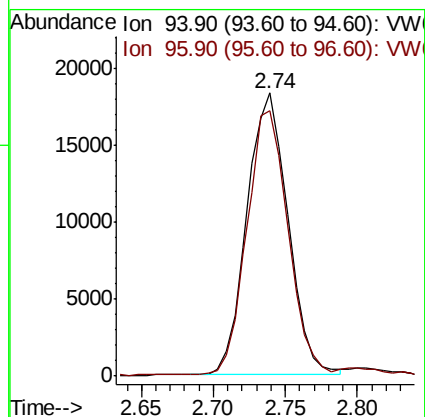
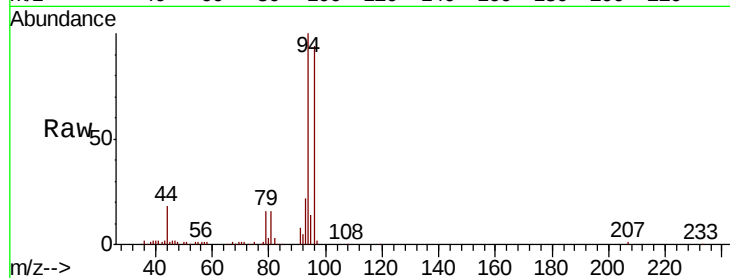
VW0606SBSD01

Tot Ion: 94 Resp: 36055

Ion Ratio Lower Upper

94 100

96 93.5 76.5 114.7



#6

Chloroethane

Concen: 18.914 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.01 min

Lab File: VW010704.D

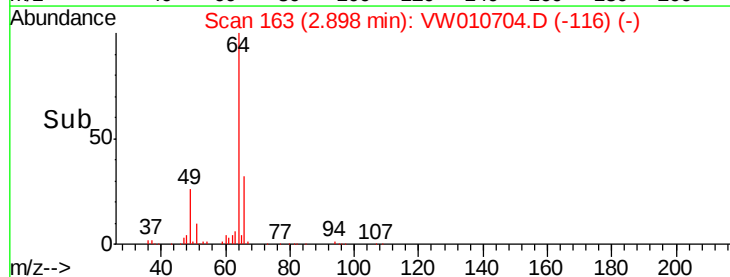
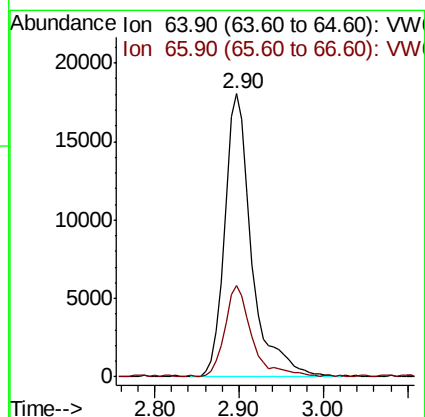
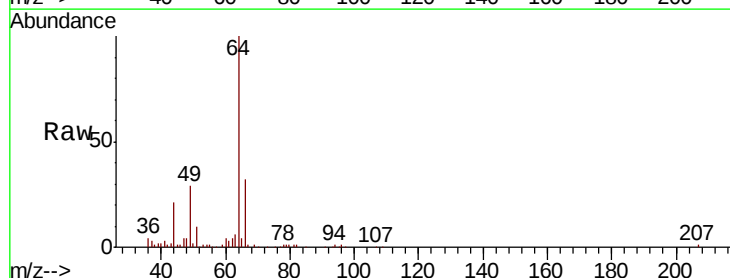
Acq: 06 Jun 2019 12:36

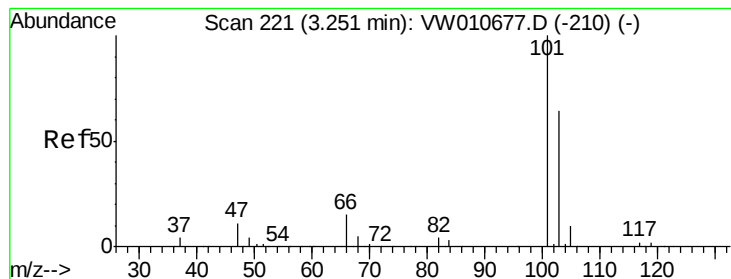
Tgt Ion: 64 Resp: 39755

Ion Ratio Lower Upper

64 100

66 31.7 25.1 37.7



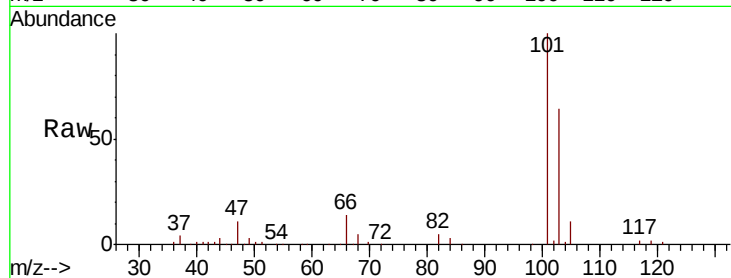


#7

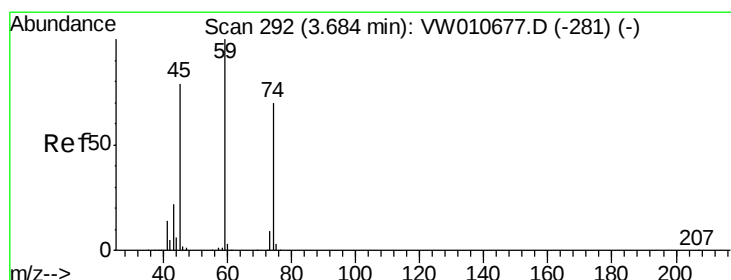
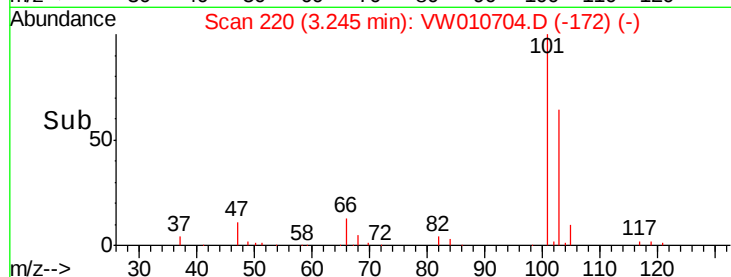
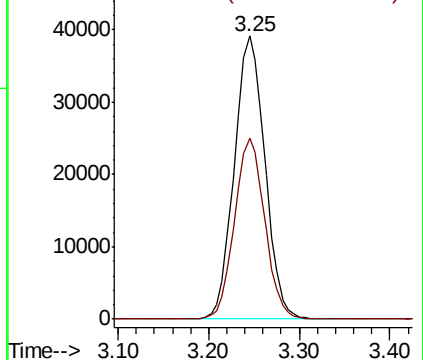
Trichlorofluoromethane
Concen: 20.134 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW010704.D
Acq: 06 Jun 2019 12:36

Instrument :
MSVOA_W
ClientSampleId :
VW0606SBSD01

Tot Ion:101 Resp: 91521
Ion Ratio Lower Upper
101 100
103 63.9 51.2 76.8



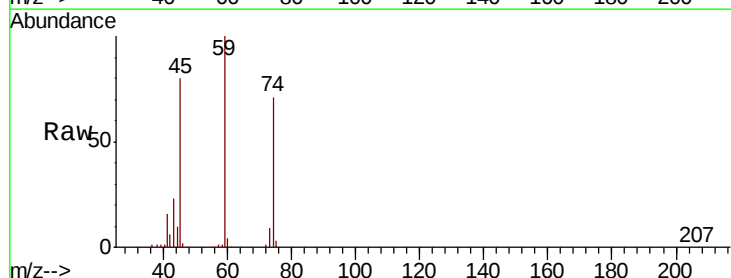
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



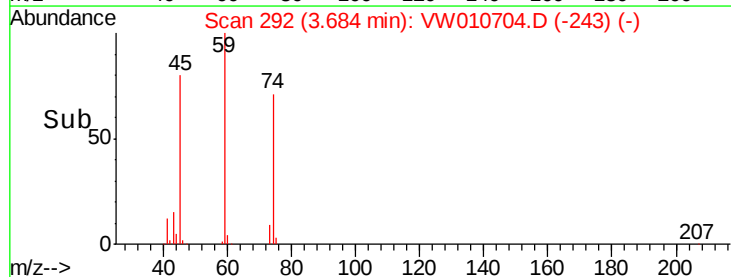
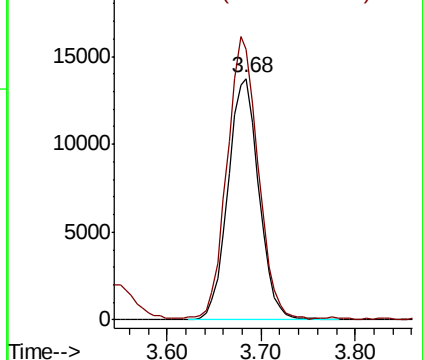
#8

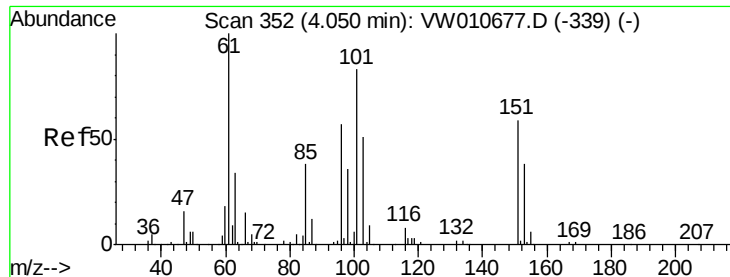
Diethyl Ether
Concen: 19.291 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.00 min
Lab File: VW010704.D
Acq: 06 Jun 2019 12:36

Tgt Ion: 74 Resp: 31337
Ion Ratio Lower Upper
74 100
45 117.3 56.9 170.7



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.817 ug/l

RT: 4.05 min Scan# 352

Delta R.T. 0.00 min

Lab File: VW010704.D

Acq: 06 Jun 2019 12:36

Instrument :

MSVOA_W

ClientSampleId :

VW0606SBSD01

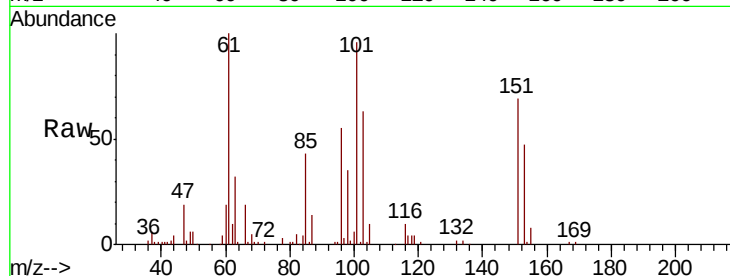
Tot Ion:101 Resp: 55381

Ion Ratio Lower Upper

101 100

85 45.4 35.8 53.8

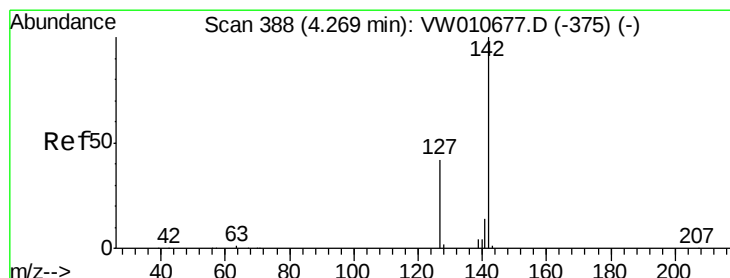
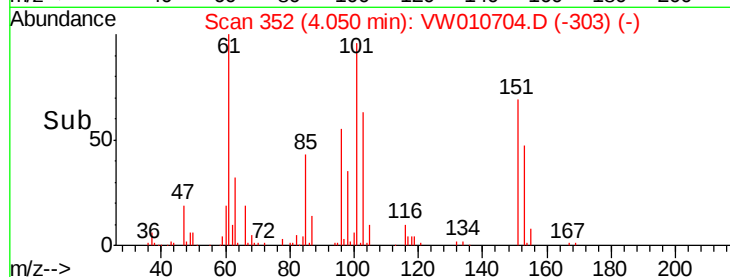
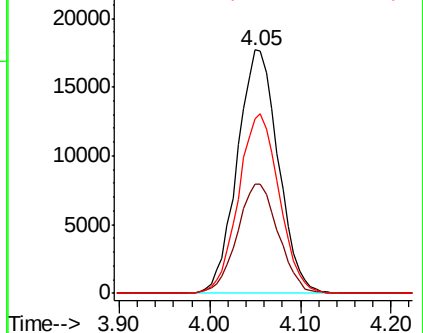
151 73.1 58.1 87.1



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: 19.140 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW010704.D

Acq: 06 Jun 2019 12:36

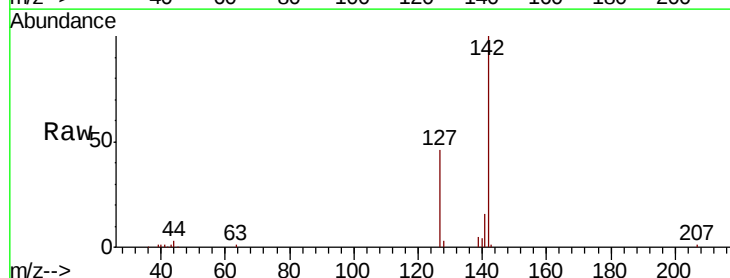
Tgt Ion:142 Resp: 45670

Ion Ratio Lower Upper

142 100

127 44.9 34.6 51.8

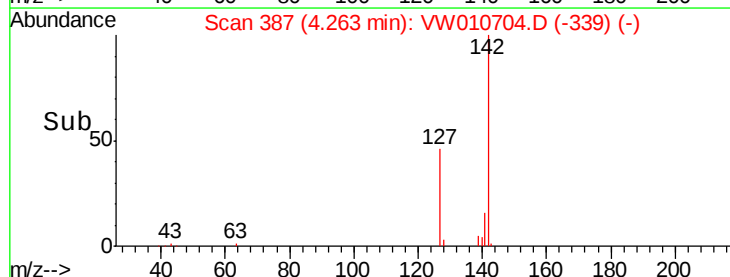
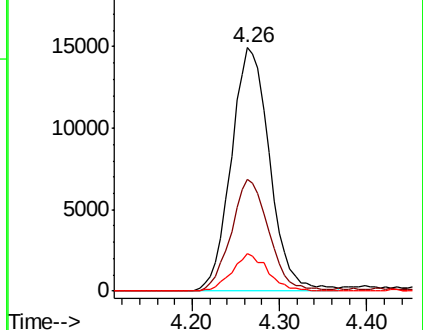
141 14.4 11.6 17.4

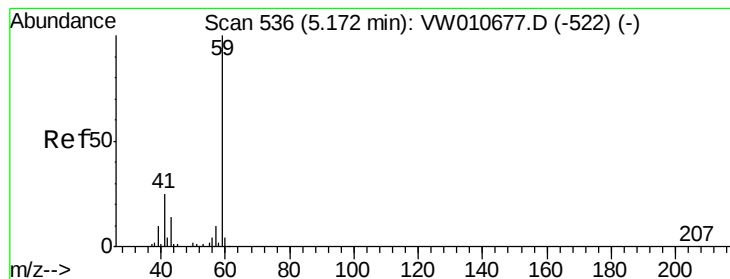


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



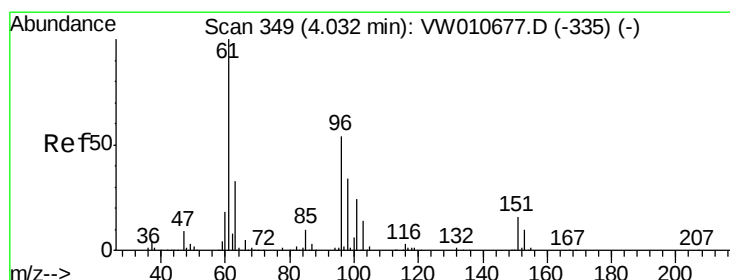
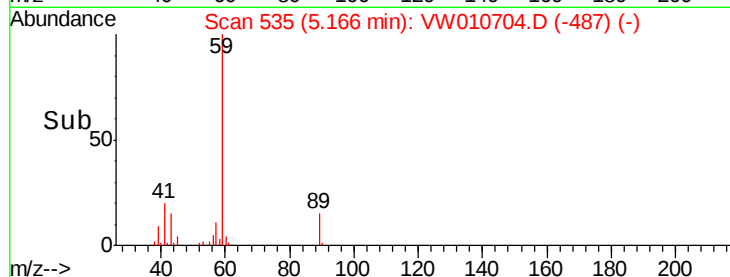
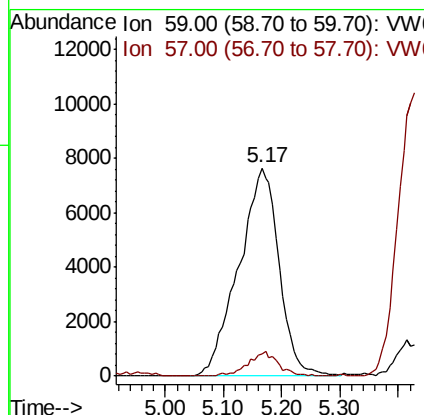
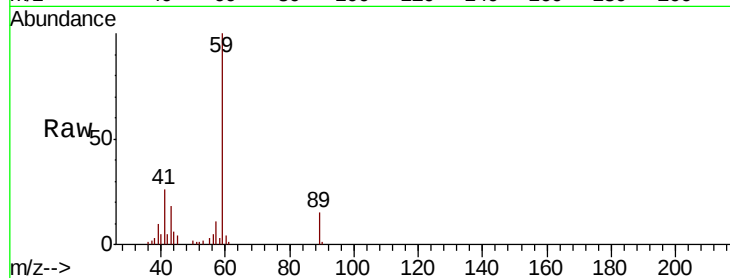


#11

Tert butyl alcohol
Concen: 137.466 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW010704.D
Acq: 06 Jun 2019 12:36

Instrument :
MSVOA_W
ClientSampleId :
VW0606SBS01

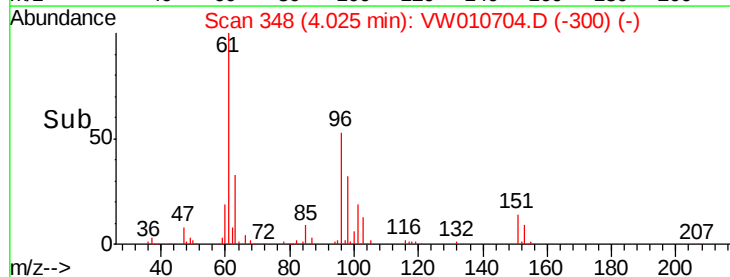
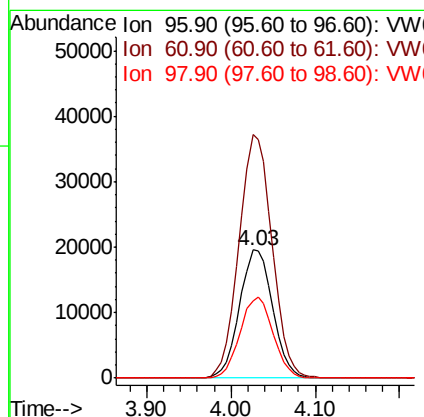
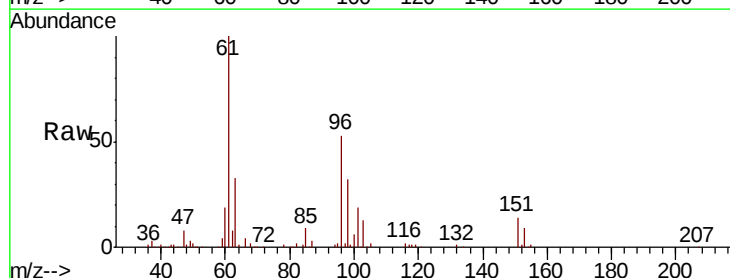
Tot Ion: 59 Resp: 36797
Ion Ratio Lower Upper
59 100
57 8.7 8.6 12.8

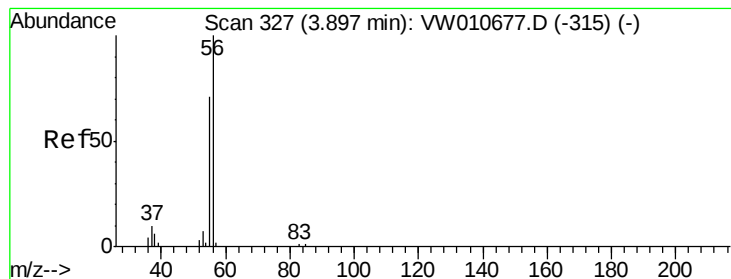


#12

1,1-Dichloroethene
Concen: 19.395 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW010704.D
Acq: 06 Jun 2019 12:36

Tgt Ion: 96 Resp: 52287
Ion Ratio Lower Upper
96 100
61 190.2 149.1 223.7
98 60.6 51.1 76.7





#13

Acrolein

Concen: 91.733 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW010704.D

Acq: 06 Jun 2019 12:36

Instrument :

MSVOA_W

ClientSampleId :

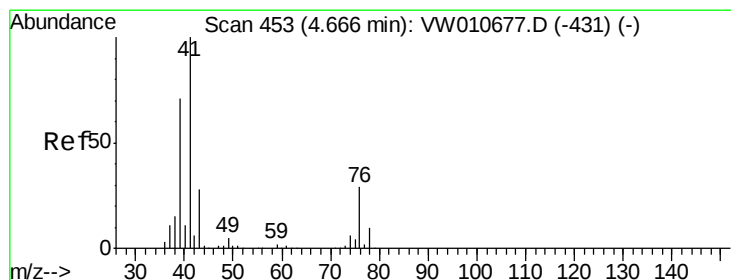
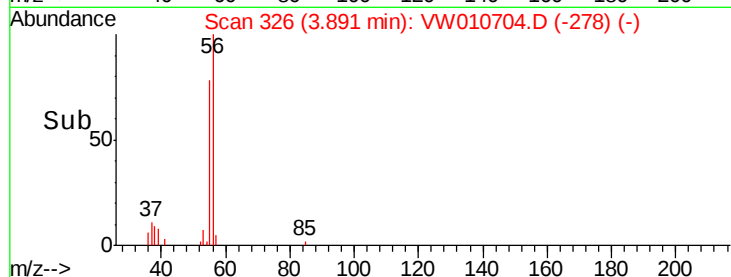
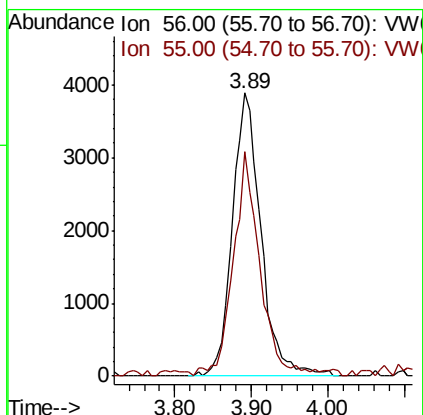
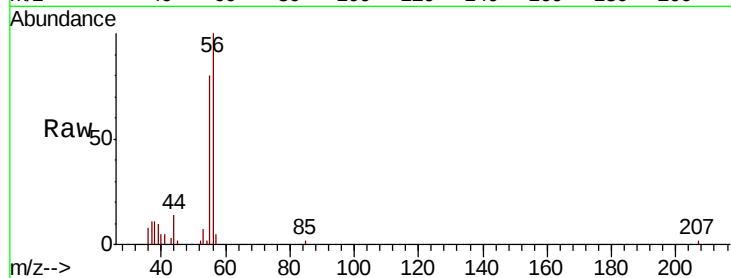
VW0606SBSD01

Tot Ion: 56 Resp: 10034

Ion Ratio Lower Upper

56 100

55 73.4 57.6 86.4



#14

Allyl chloride

Concen: 20.192 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW010704.D

Acq: 06 Jun 2019 12:36

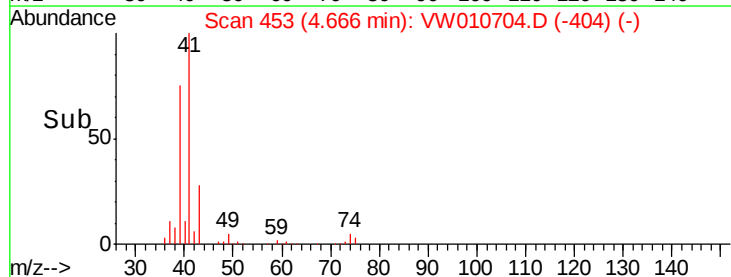
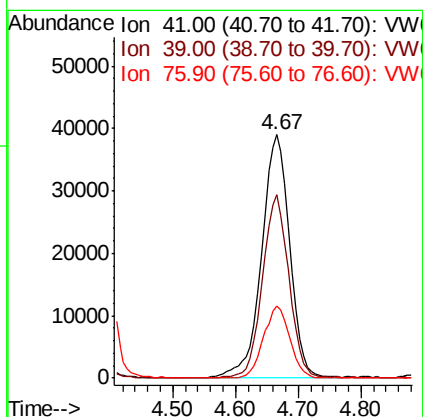
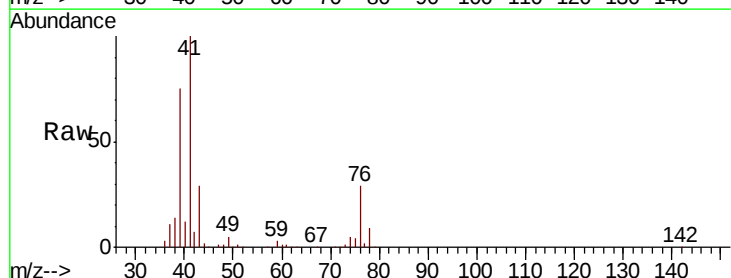
Tgt Ion: 41 Resp: 120026

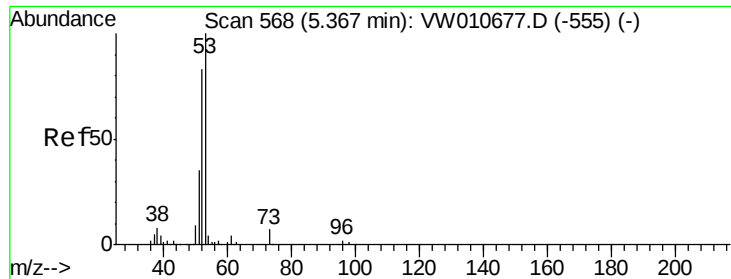
Ion Ratio Lower Upper

41 100

39 71.9 55.8 83.6

76 28.0 22.7 34.1





#15

Acrylonitrile

Concen: 96.962 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW010704.D

Acq: 06 Jun 2019 12:36

Instrument :

MSVOA_W

ClientSampleId :

VW0606SBSD01

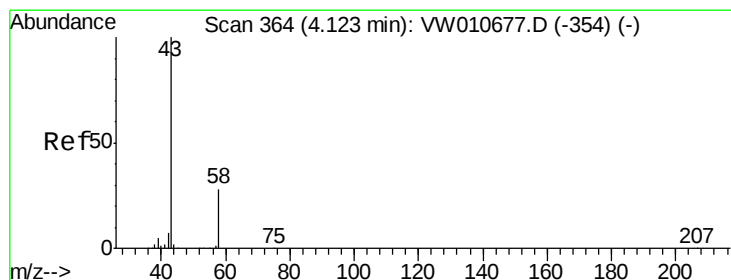
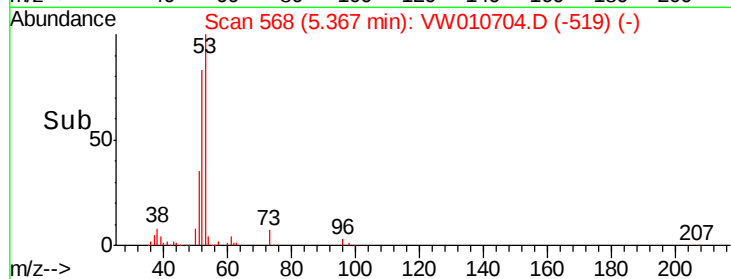
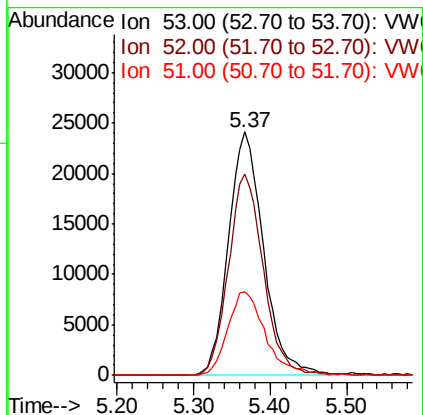
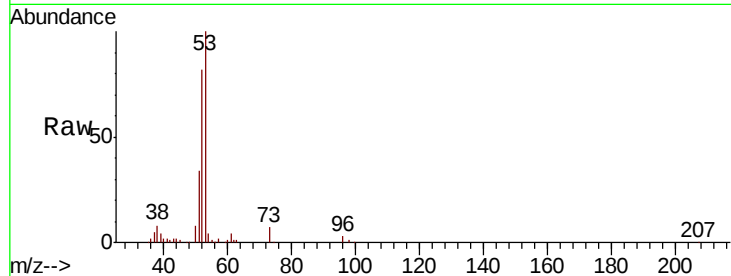
Tot Ion: 53 Resp: 76520

Ion Ratio Lower Upper

53 100

52 82.2 66.6 100.0

51 37.0 29.8 44.8



#16

Acetone

Concen: 93.831 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW010704.D

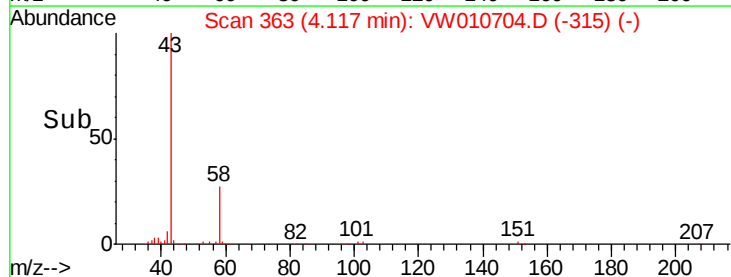
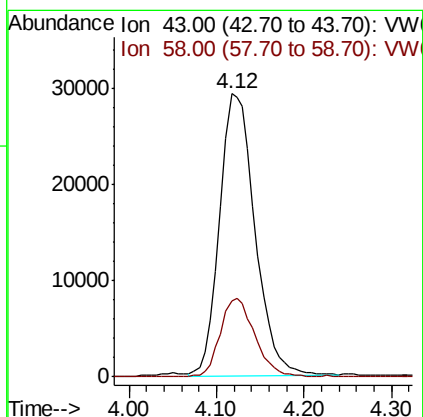
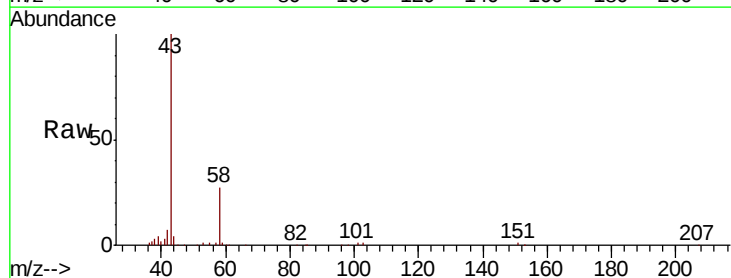
Acq: 06 Jun 2019 12:36

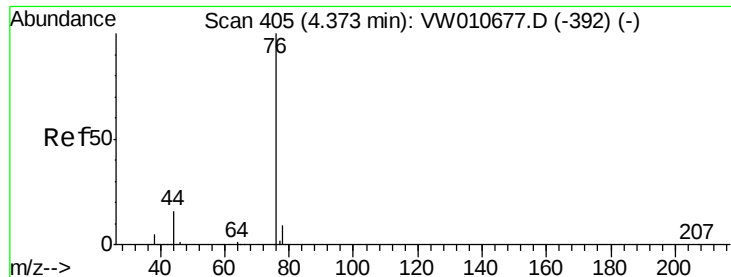
Tgt Ion: 43 Resp: 82609

Ion Ratio Lower Upper

43 100

58 27.0 22.1 33.1





#17

Carbon Disulfide

Concen: 19.426 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW010704.D

Acq: 06 Jun 2019 12:36

Instrument :

MSVOA_W

ClientSampleId :

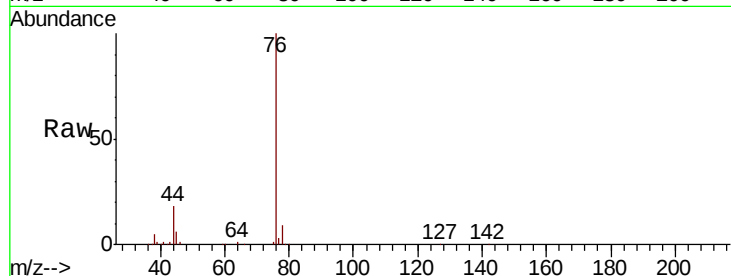
VW0606SBSD01

Tot Ion: 76 Resp: 166245

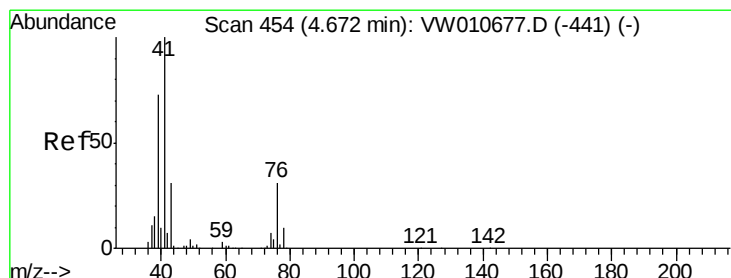
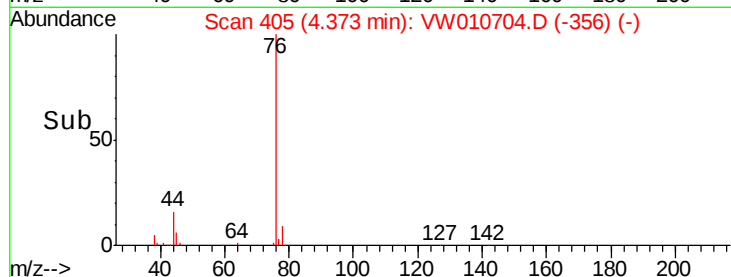
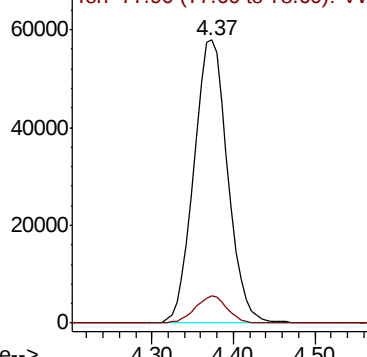
Ion Ratio Lower Upper

76 100

78 9.5 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VW
Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 18.775 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW010704.D

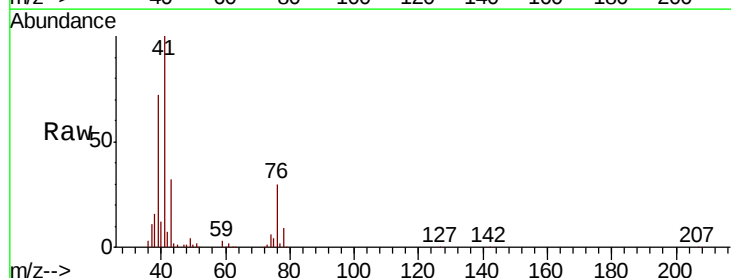
Acq: 06 Jun 2019 12:36

Tgt Ion: 43 Resp: 35581

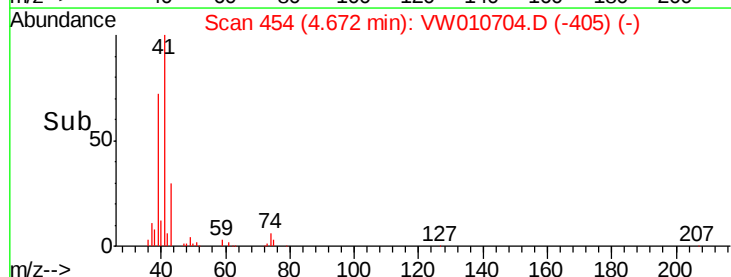
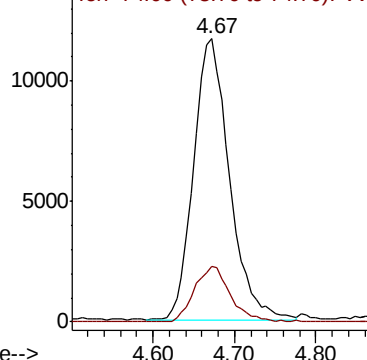
Ion Ratio Lower Upper

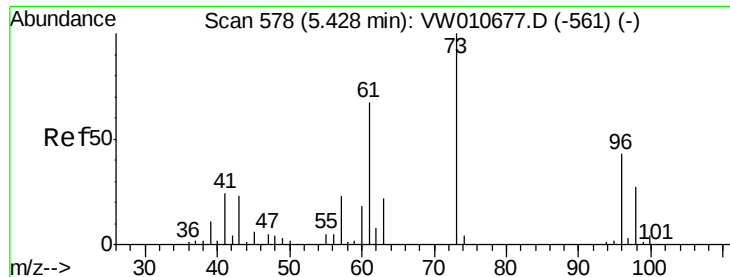
43 100

74 19.7 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 74.00 (73.70 to 74.70): VW

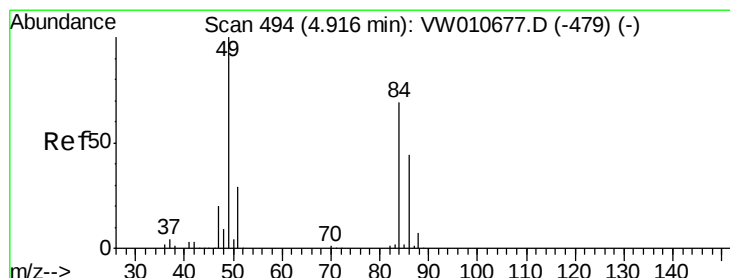
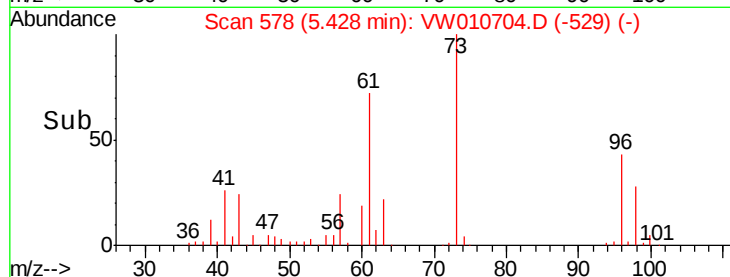
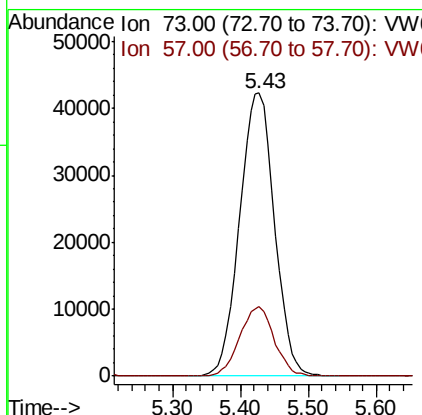
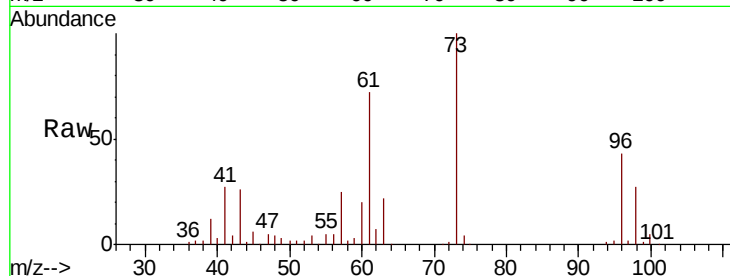




#19
Methyl tert-butyl Ether
Concen: 19.416 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW010704.D
Acq: 06 Jun 2019 12:36

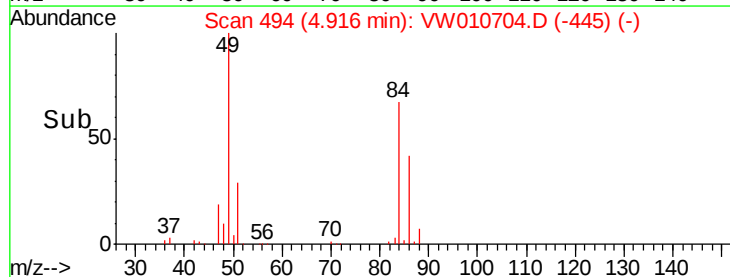
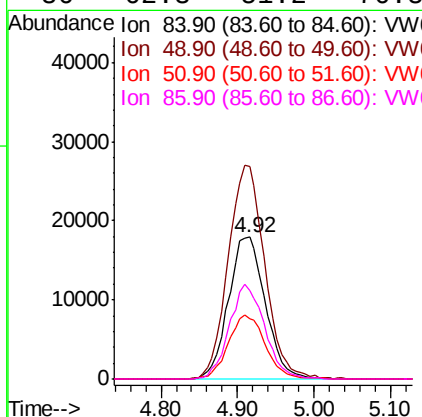
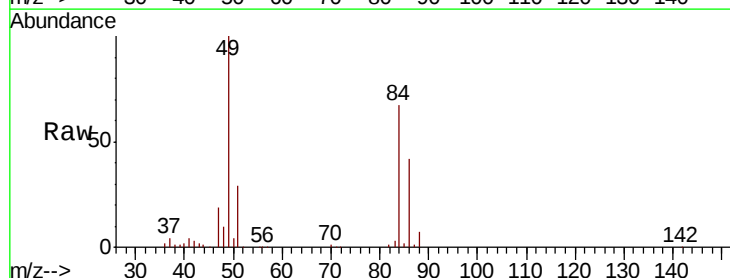
Instrument :
MSVOA_W
ClientSampleId :
VW0606SBSD01

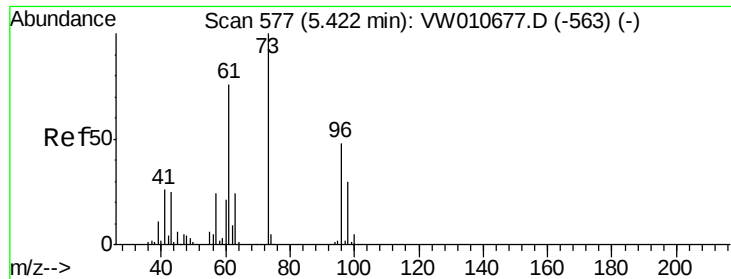
Tot Ion: 73 Resp: 150965
Ion Ratio Lower Upper
73 100
57 24.6 18.6 27.8



#20
Methylene Chloride
Concen: 19.456 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010704.D
Acq: 06 Jun 2019 12:36

Tgt Ion: 84 Resp: 60092
Ion Ratio Lower Upper
84 100
49 149.7 116.7 175.1
51 42.7 34.2 51.2
86 62.3 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 19.748 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW010704.D

Acq: 06 Jun 2019 12:36

Instrument :

MSVOA_W

ClientSampleId :

VW0606SBSD01

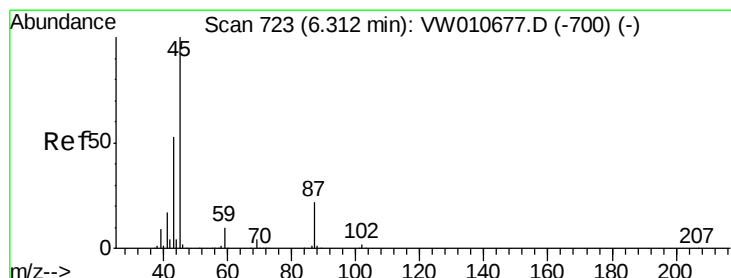
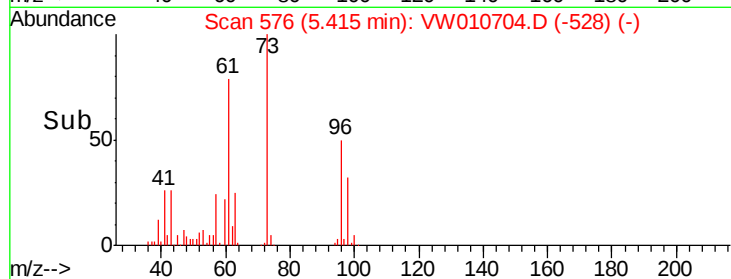
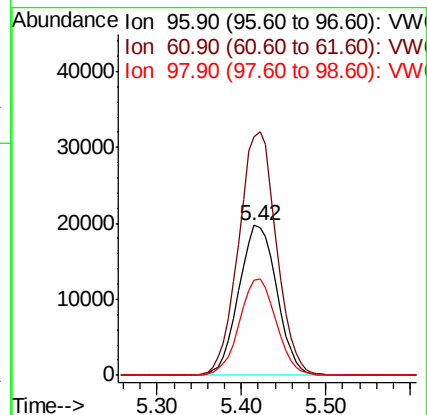
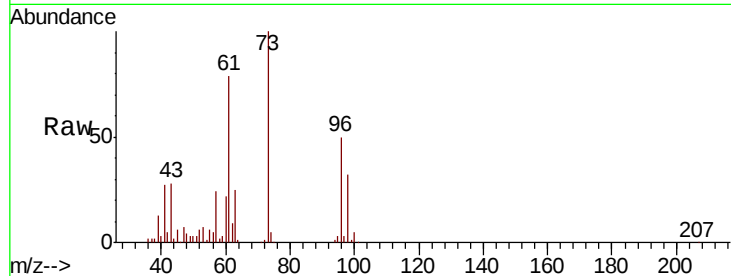
Tot Ion: 96 Resp: 60435

Ion Ratio Lower Upper

96 100

61 158.9 126.0 189.0

98 63.8 49.6 74.4



#22

Diisopropyl ether

Concen: 20.093 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW010704.D

Acq: 06 Jun 2019 12:36

Tgt Ion: 45 Resp: 239116

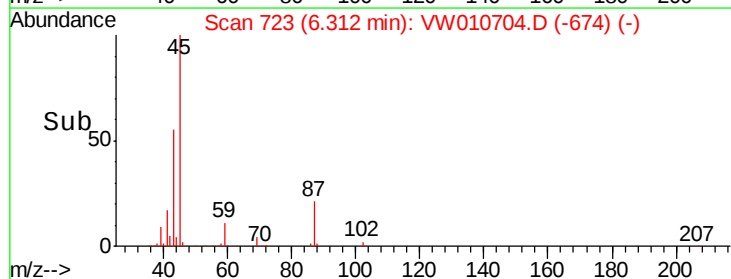
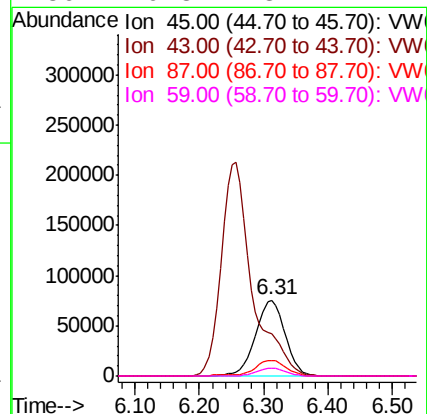
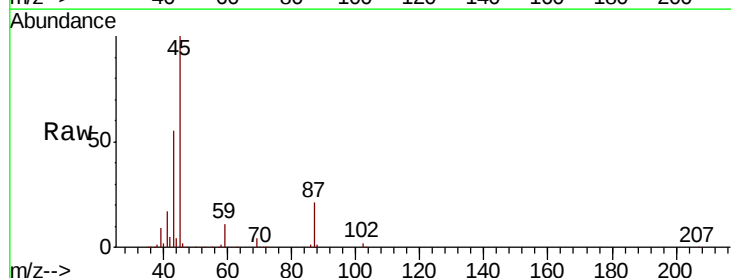
Ion Ratio Lower Upper

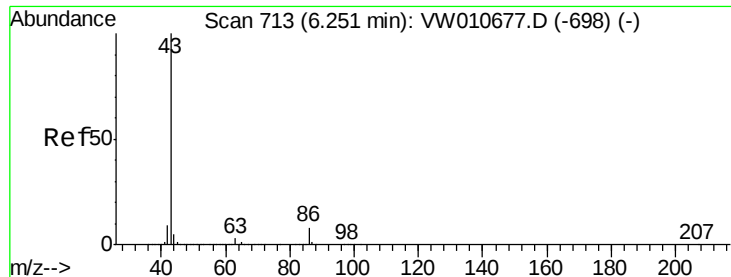
45 100

43 54.7 42.5 63.7

87 21.0 17.4 26.2

59 10.8 8.1 12.1





#23

Vinyl Acetate

Concen: 99.810 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW010704.D

Acq: 06 Jun 2019 12:36

Instrument :

MSVOA_W

ClientSampleId :

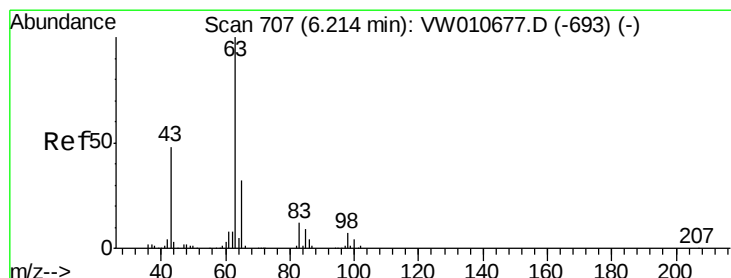
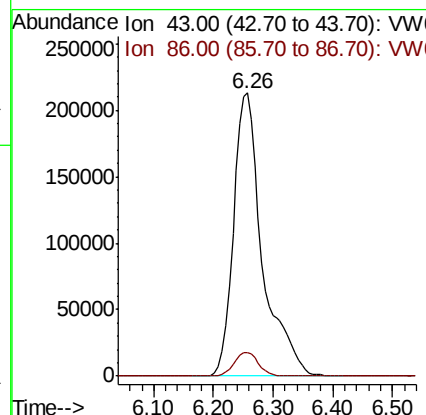
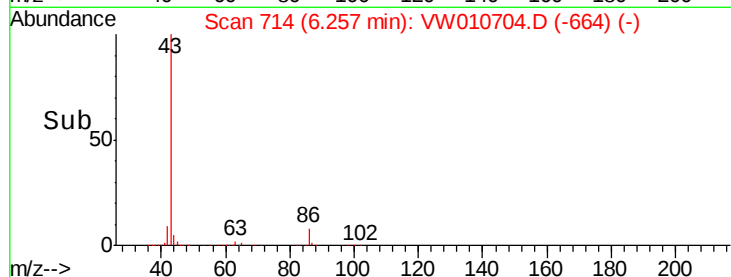
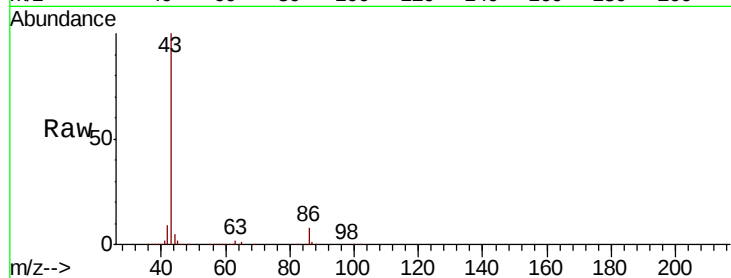
VW0606SBSD01

Tot Ion: 43 Resp: 716822

Ion Ratio Lower Upper

43 100

86 8.4 6.6 10.0



#24

1,1-Dichloroethane

Concen: 20.010 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW010704.D

Acq: 06 Jun 2019 12:36

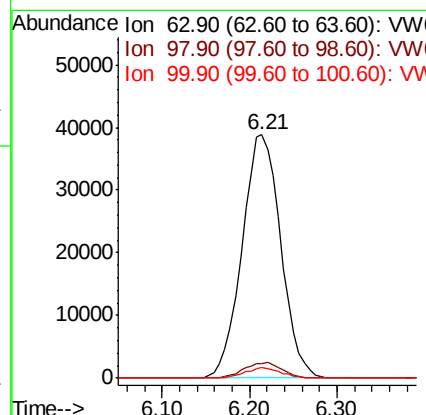
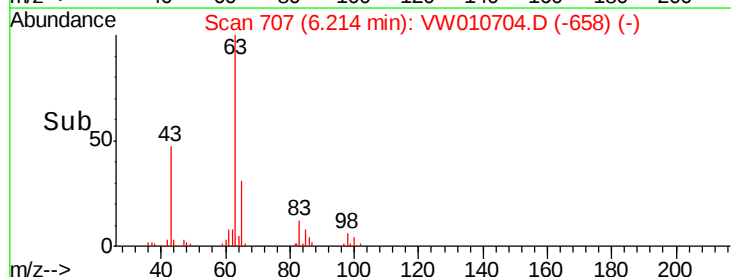
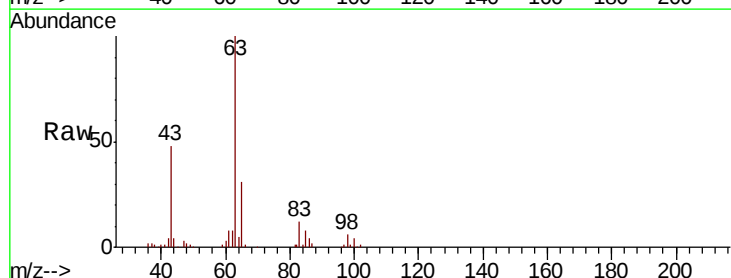
Tgt Ion: 63 Resp: 119337

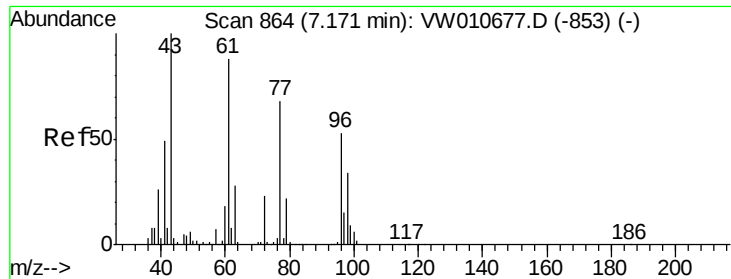
Ion Ratio Lower Upper

63 100

98 6.1 3.4 10.2

100 4.4 2.1 6.3





#25

2-Butanone

Concen: 99.709 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010704.D

Acq: 06 Jun 2019 12:36

Instrument :

MSVOA_W

ClientSampleId :

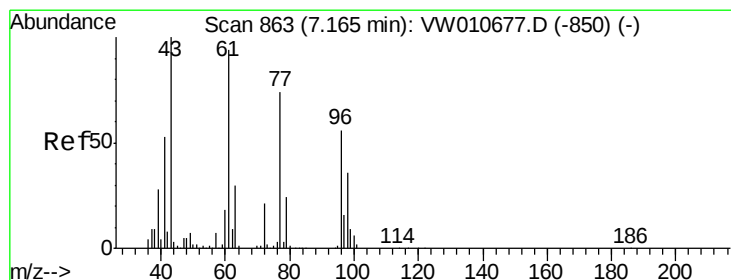
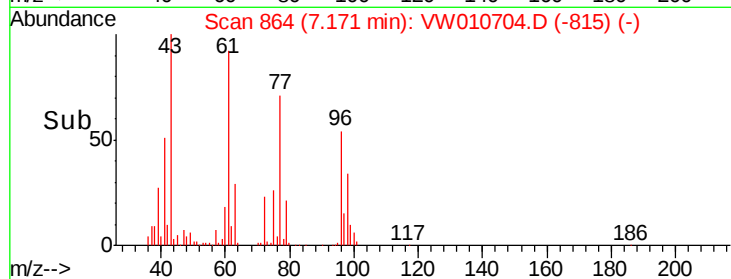
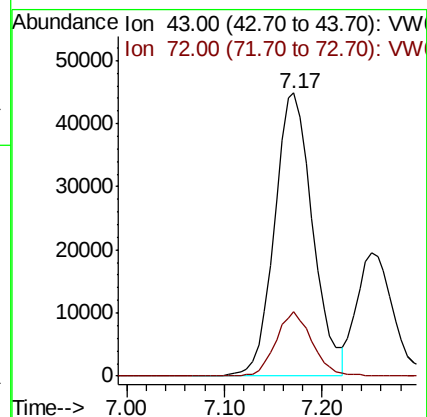
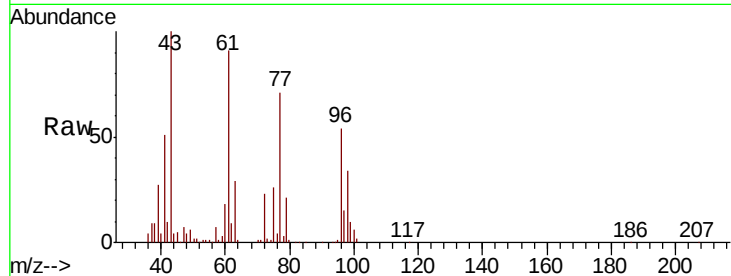
VW0606SBSD01

Tot Ion: 43 Resp: 121725

Ion Ratio Lower Upper

43 100

72 22.8 18.1 27.1



#26

2,2-Dichloropropane

Concen: 21.313 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW010704.D

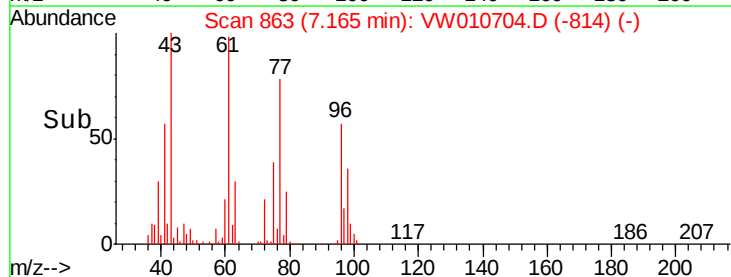
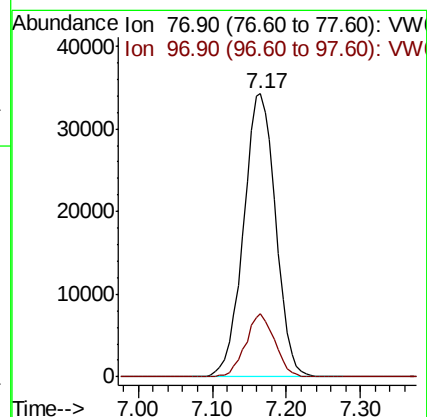
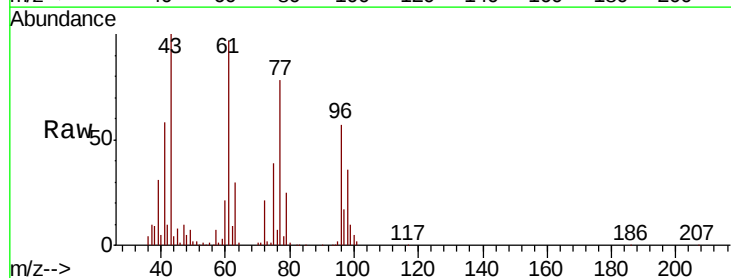
Acq: 06 Jun 2019 12:36

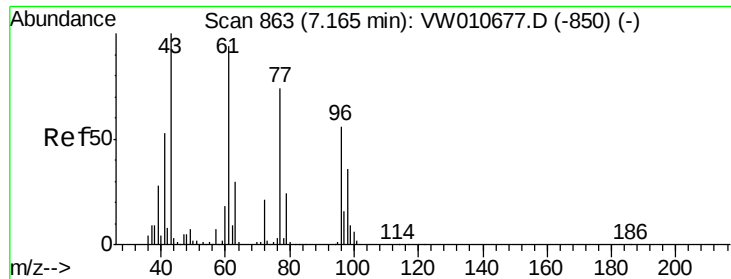
Tgt Ion: 77 Resp: 103429

Ion Ratio Lower Upper

77 100

97 20.3 10.5 31.6



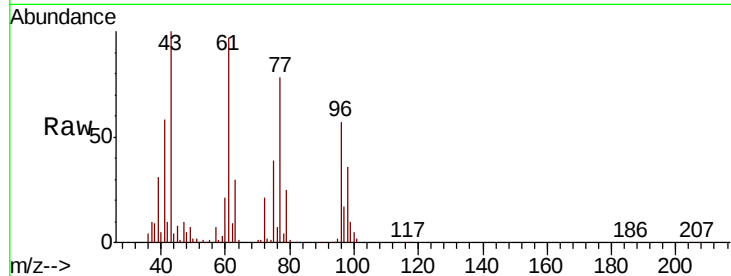


#27

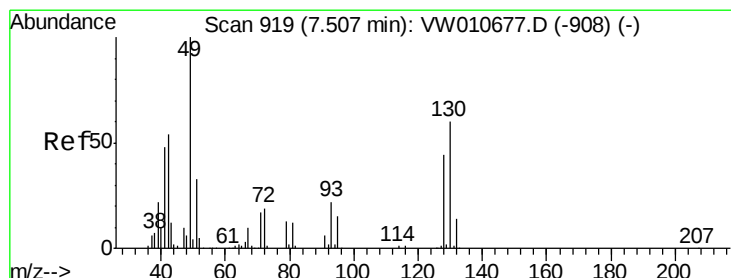
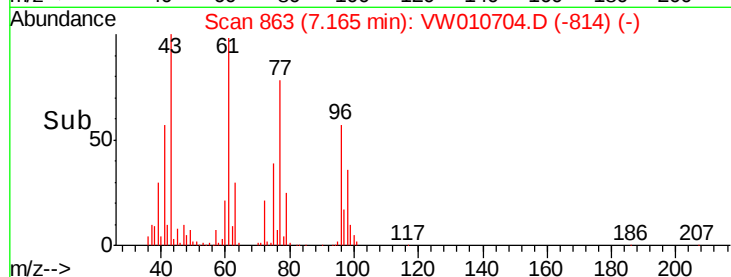
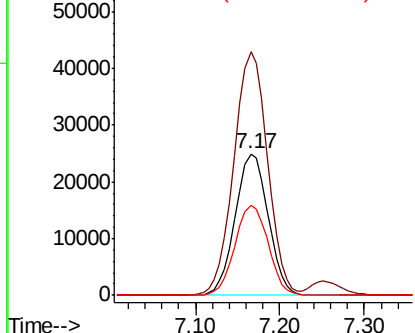
cis-1,2-Dichloroethene
 Concen: 19.667 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW010704.D
 Acq: 06 Jun 2019 12:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0606SBSD01

Tot Ion: 96 Resp: 66238
 Ion Ratio Lower Upper
 96 100
 61 175.6 0.0 336.4
 98 63.8 0.0 128.0



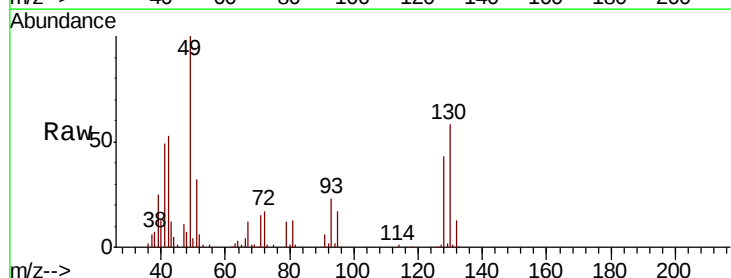
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



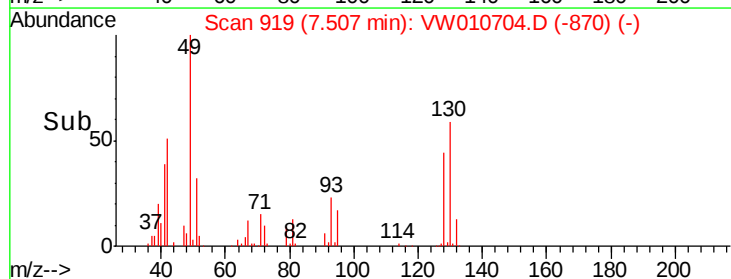
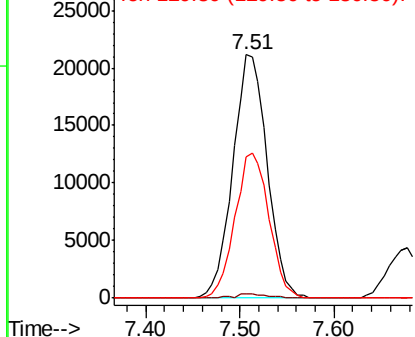
#28

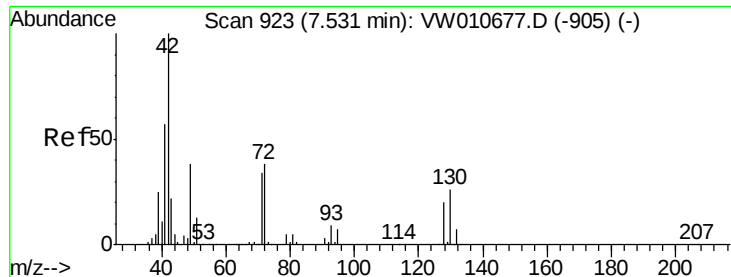
Bromochloromethane
 Concen: 20.138 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW010704.D
 Acq: 06 Jun 2019 12:36

Tgt Ion: 49 Resp: 53597
 Ion Ratio Lower Upper
 49 100
 129 1.5 0.0 3.2
 130 58.9 48.3 72.5



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

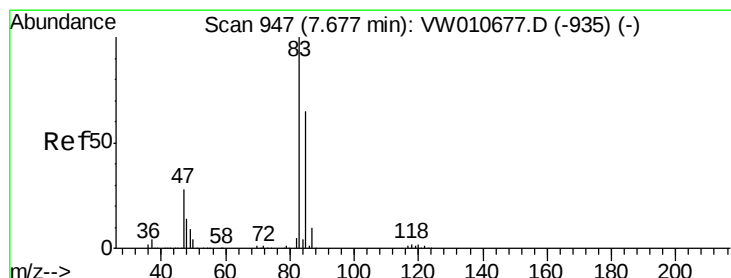
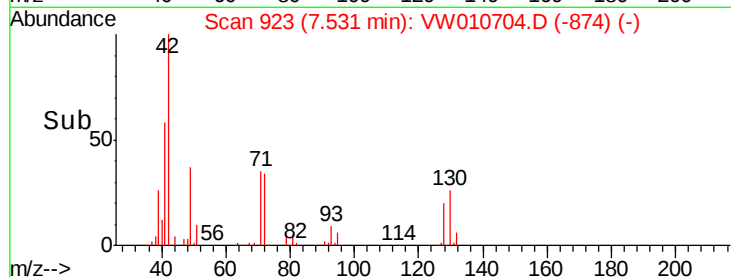
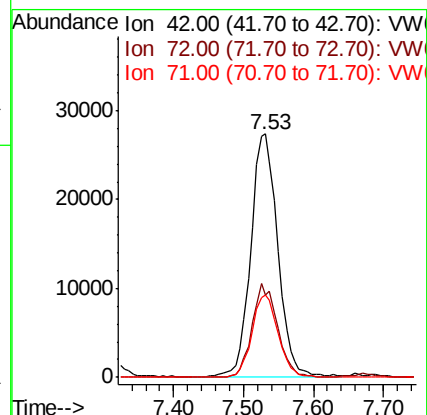
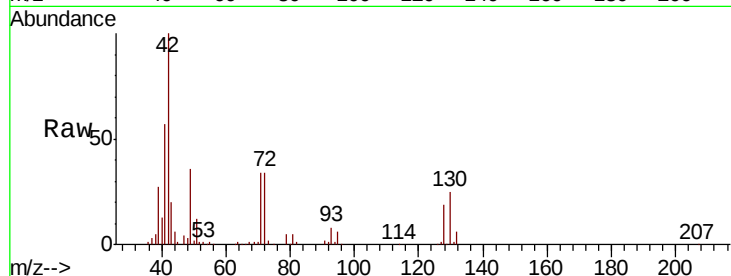




#29
Tetrahydrofuran
Concen: 96.189 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW010704.D
Acq: 06 Jun 2019 12:36

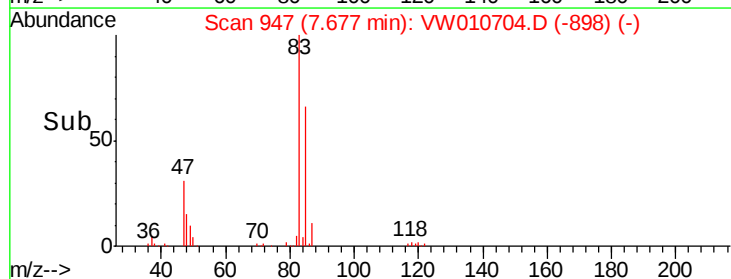
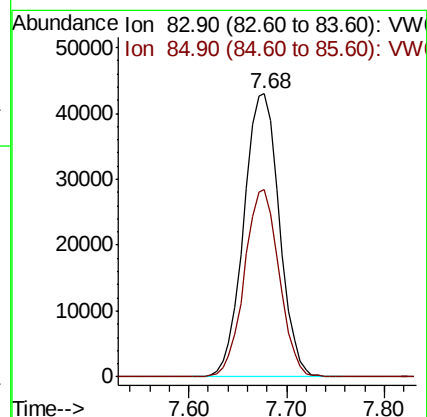
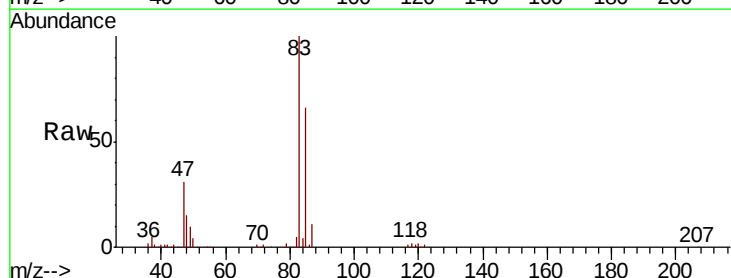
Instrument :
MSVOA_W
ClientSampleId :
VW0606SBS01

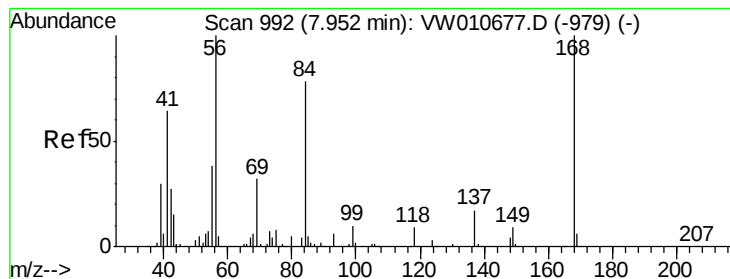
Tot Ion: 42 Resp: 73861
Ion Ratio Lower Upper
42 100
72 35.9 28.7 43.1
71 32.9 26.6 39.8



#30
Chloroform
Concen: 19.825 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW010704.D
Acq: 06 Jun 2019 12:36

Tgt Ion: 83 Resp: 108144
Ion Ratio Lower Upper
83 100
85 66.4 51.8 77.8





#31

Cyclohexane

Concen: 19.734 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010704.D

Acq: 06 Jun 2019 12:36

Instrument :

MSVOA_W

ClientSampleId :

VW0606SBS01

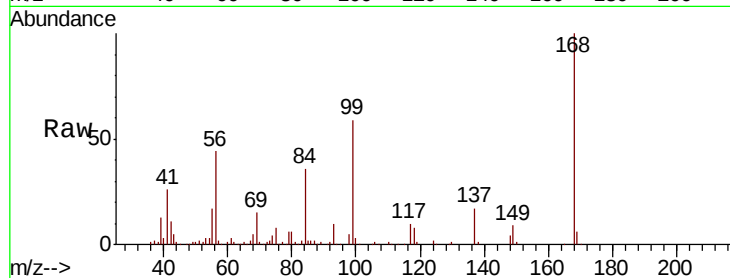
Tot Ion: 56 Resp: 130827

Ion Ratio Lower Upper

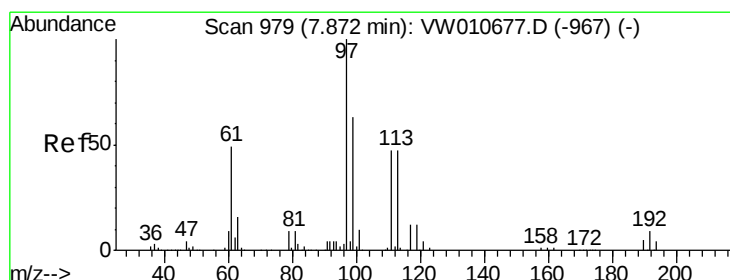
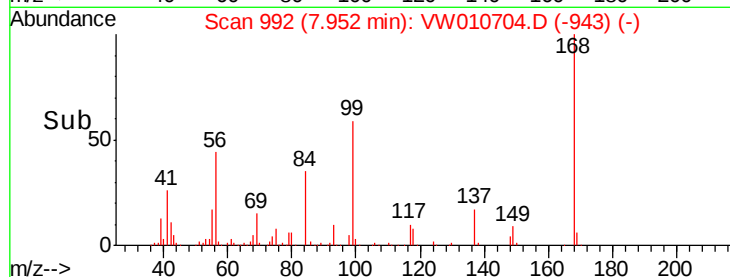
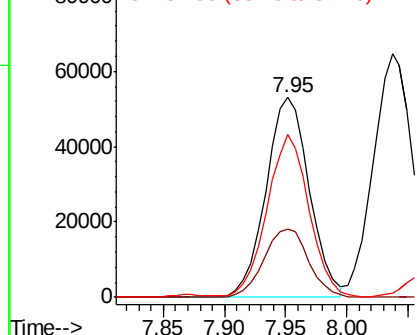
56 100

69 34.4 25.2 37.8

84 80.1 62.2 93.2



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



#32

1,1,1-Trichloroethane

Concen: 19.955 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW010704.D

Acq: 06 Jun 2019 12:36

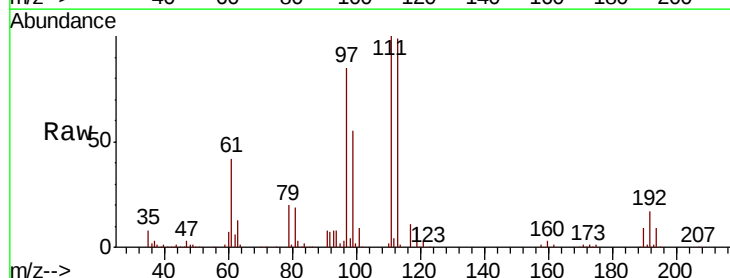
Tgt Ion: 97 Resp: 95084

Ion Ratio Lower Upper

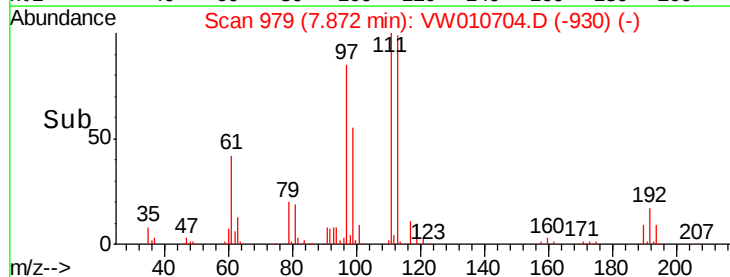
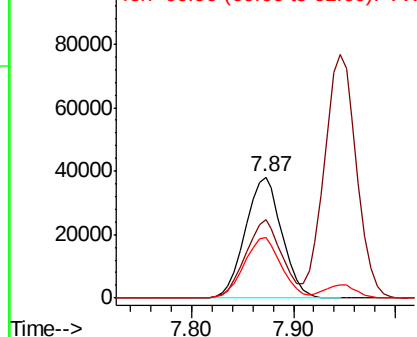
97 100

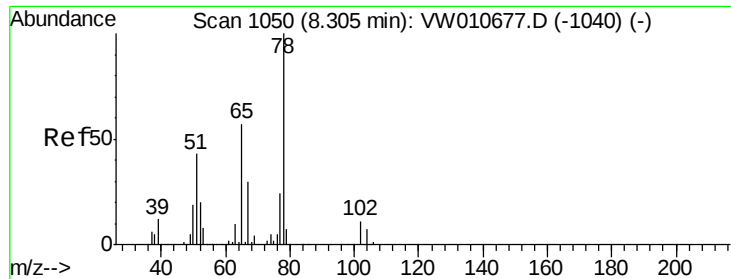
99 65.0 51.3 76.9

61 50.6 40.4 60.6



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: 49.932 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW010704.D

Acq: 06 Jun 2019 12:36

Instrument :

MSVOA_W

ClientSampleId :

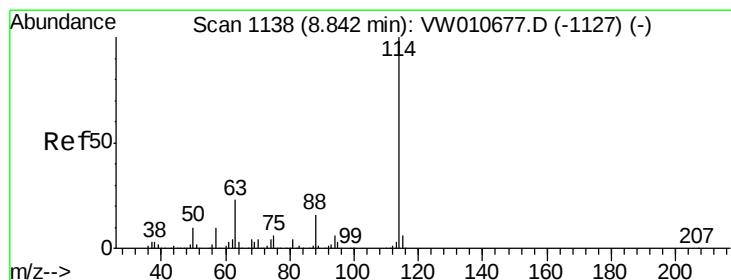
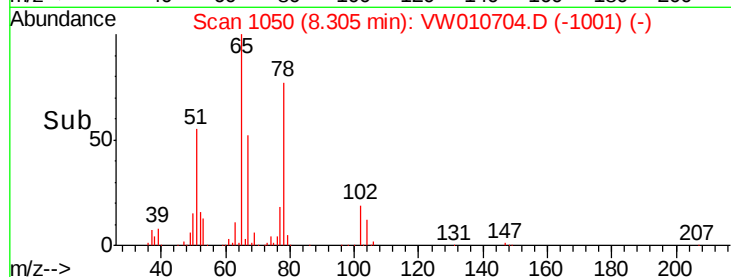
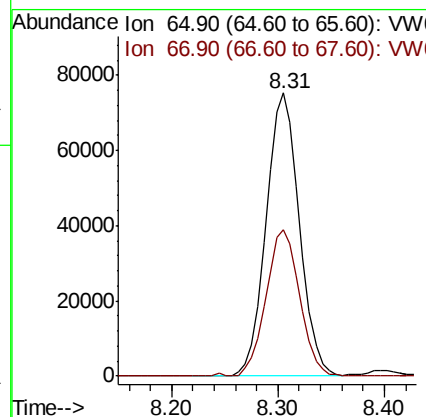
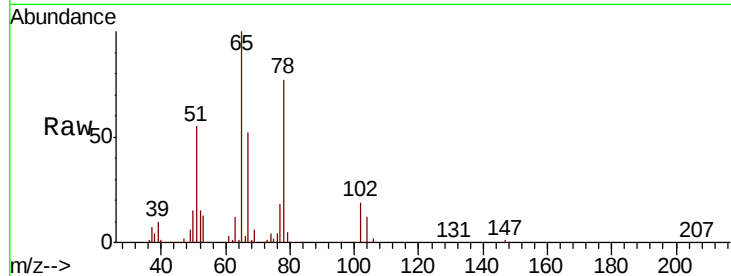
VW0606SBSD01

Tot Ion: 65 Resp: 164062

Ion Ratio Lower Upper

65 100

67 52.2 0.0 102.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW010704.D

Acq: 06 Jun 2019 12:36

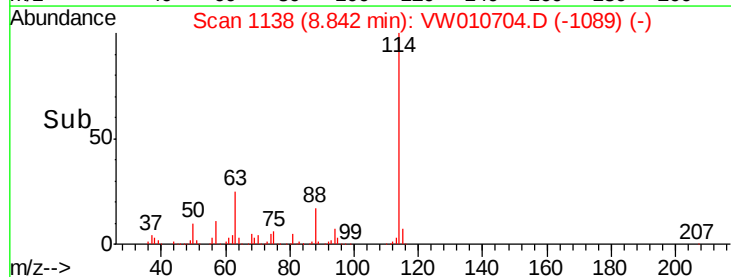
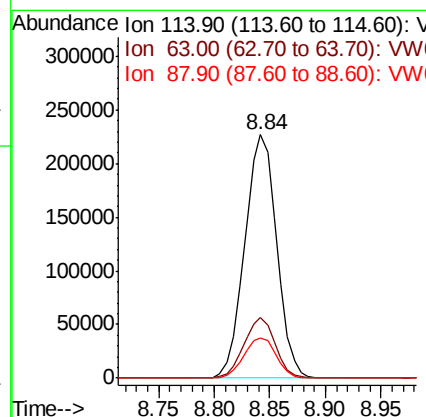
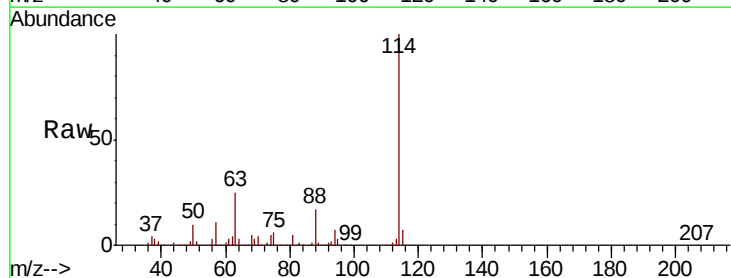
Tgt Ion: 114 Resp: 450974

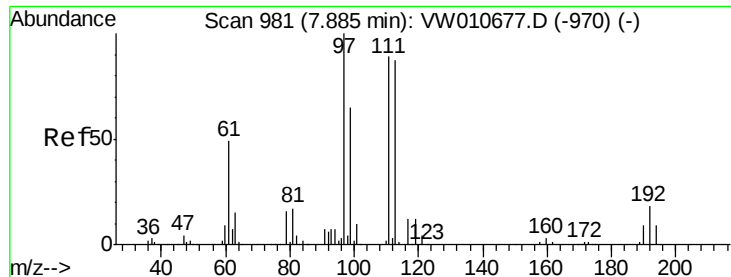
Ion Ratio Lower Upper

114 100

63 25.0 0.0 46.4

88 16.7 0.0 32.2





#35

Dibromofluoromethane

Concen: 52.760 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW010704.D

Acq: 06 Jun 2019 12:36

Instrument :

MSVOA_W

ClientSampled :

VW0606SBSD01

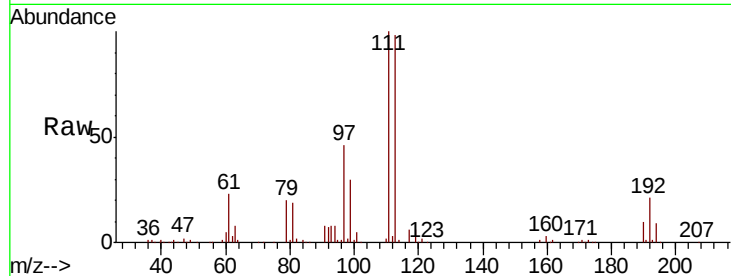
Tot Ion:113 Resp: 129146

Ion Ratio Lower Upper

113 100

111 102.7 82.6 123.8

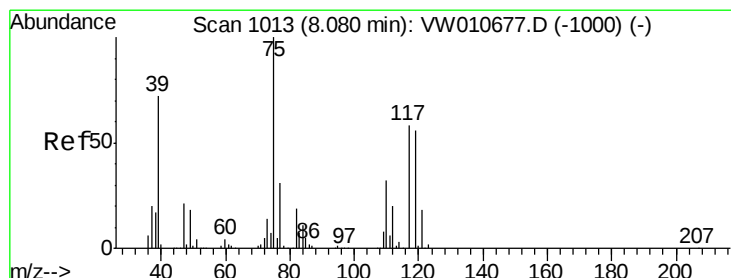
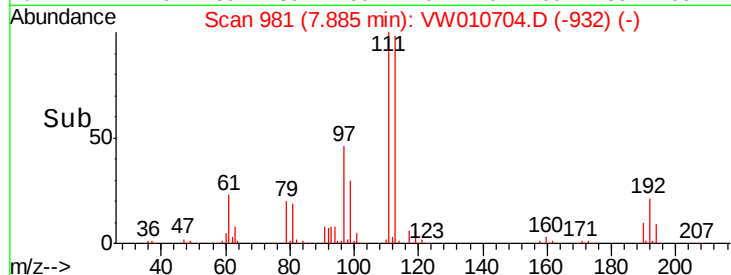
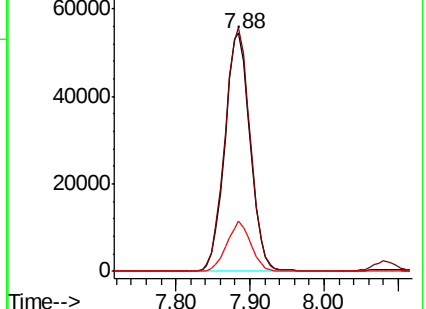
192 19.8 16.4 24.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.257 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW010704.D

Acq: 06 Jun 2019 12:36

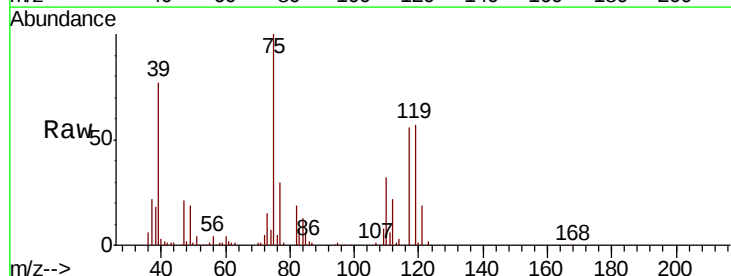
Tgt Ion: 75 Resp: 93513

Ion Ratio Lower Upper

75 100

110 31.5 15.8 47.3

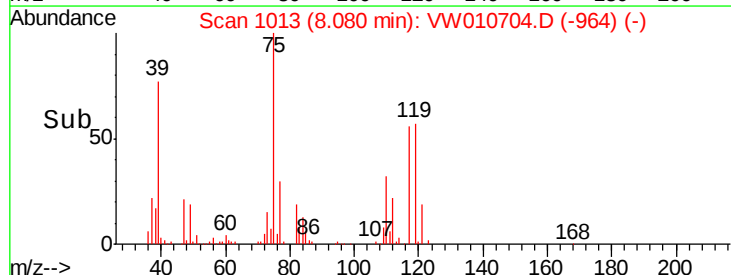
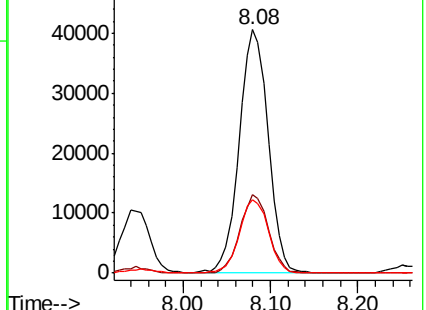
77 30.4 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

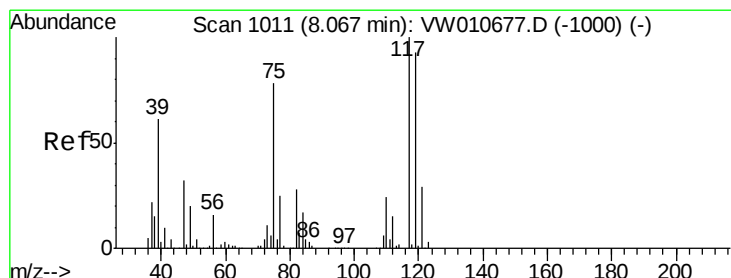
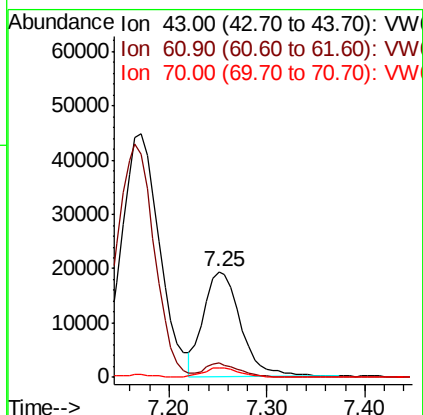
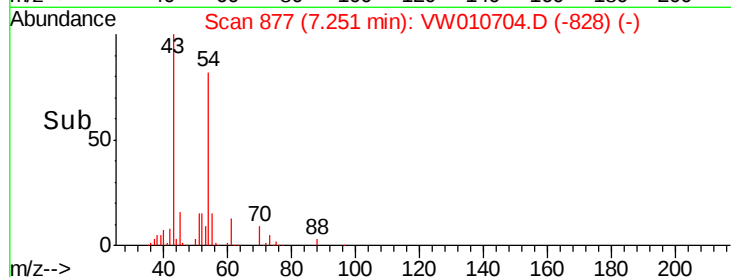
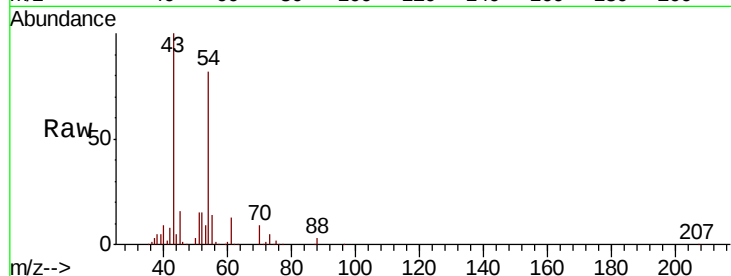




#37
Ethyl Acetate
Concen: 19.933 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW010704.D
Acq: 06 Jun 2019 12:36

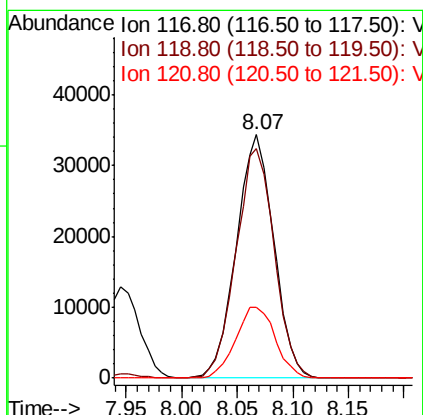
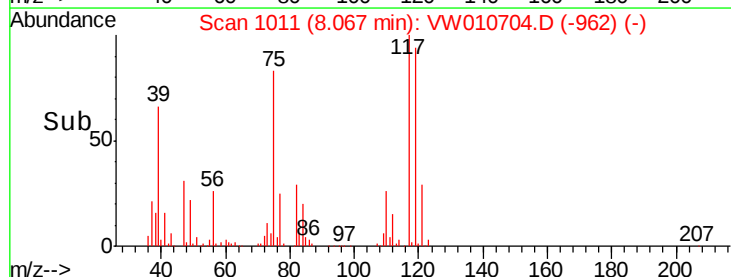
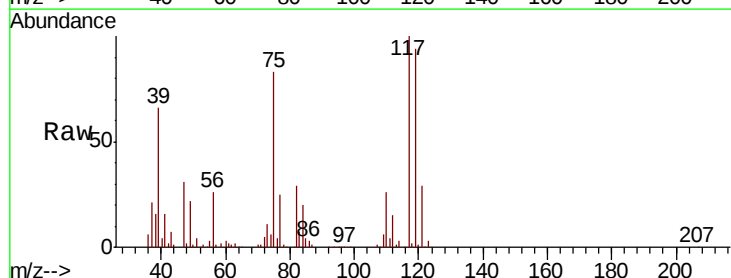
Instrument :
MSVOA_W
ClientSampleID :
VW0606SBS01

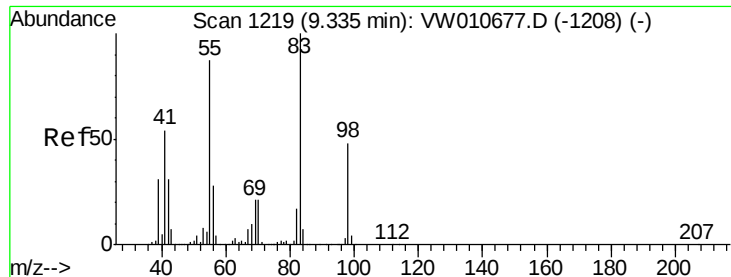
Tot Ion: 43 Resp: 50990
Ion Ratio Lower Upper
43 100
61 12.3 9.7 14.5
70 8.9 7.2 10.8



#38
Carbon Tetrachloride
Concen: 20.185 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW010704.D
Acq: 06 Jun 2019 12:36

Tgt Ion: 117 Resp: 80438
Ion Ratio Lower Upper
117 100
119 94.3 74.2 111.4
121 29.3 22.9 34.3

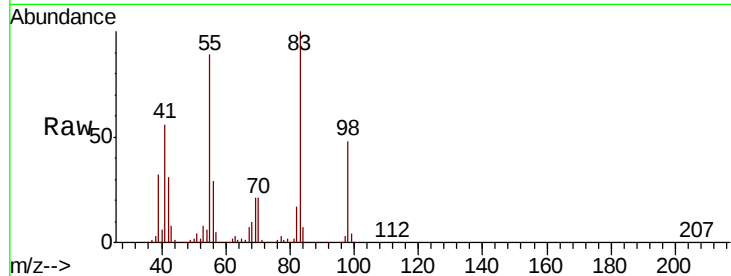




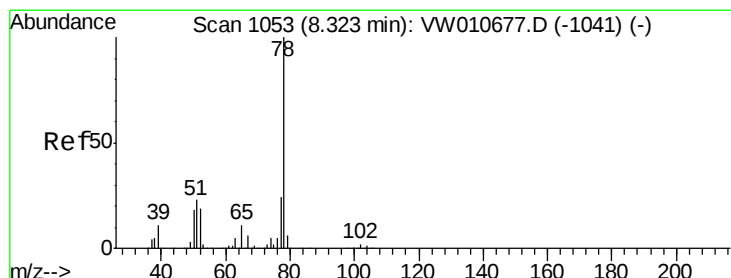
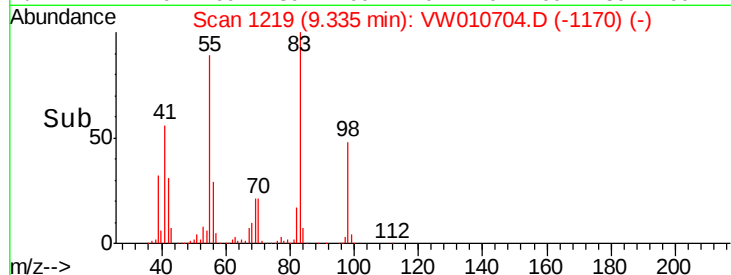
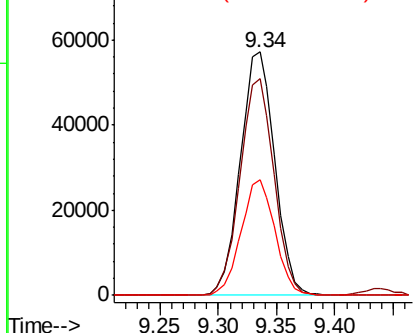
#39
Methvlcvclohexane
Concen: 20.076 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010704.D
Acq: 06 Jun 2019 12:36

Instrument :
MSVOA_W
ClientSampleId :
VW0606SBSD01

Tot Ion: 83 Resp: 117814
Ion Ratio Lower Upper
83 100
55 89.0 70.0 105.0
98 47.5 38.1 57.1

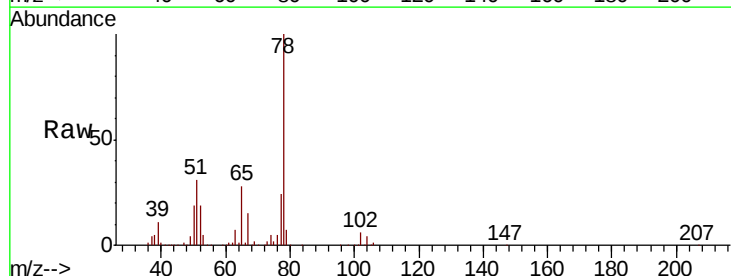


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

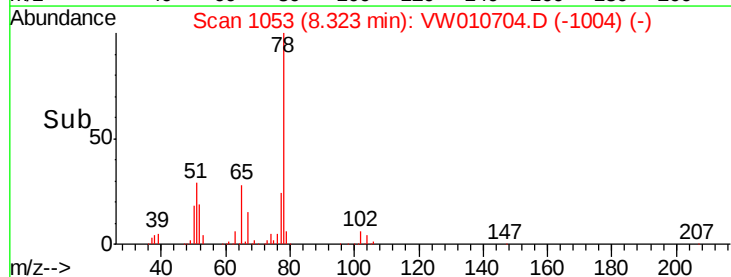
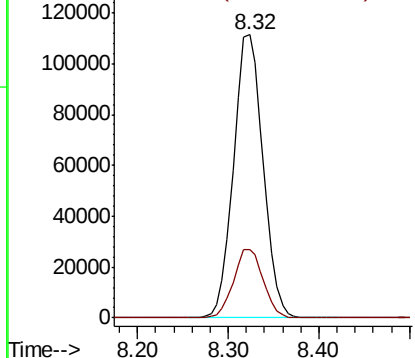


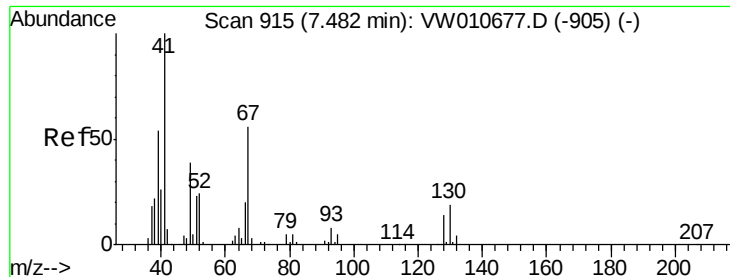
#40
Benzene
Concen: 19.954 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW010704.D
Acq: 06 Jun 2019 12:36

Tgt Ion: 78 Resp: 251282
Ion Ratio Lower Upper
78 100
77 24.0 19.1 28.7



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

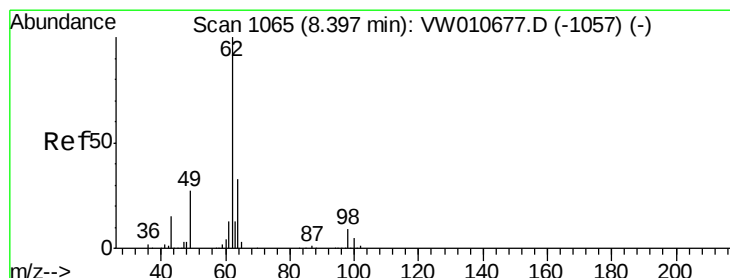
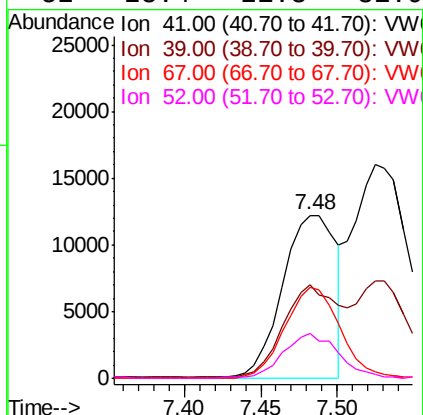
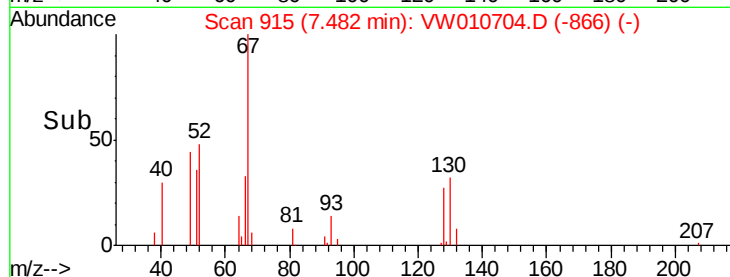
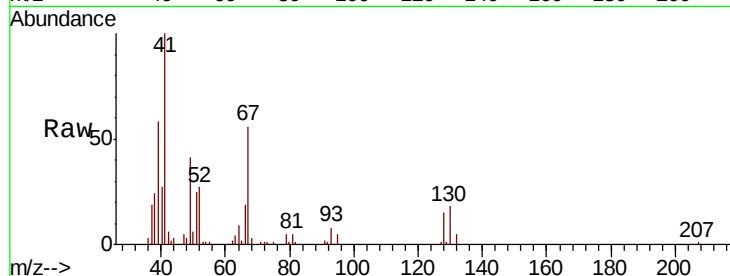




#41
Methacrylonitrile
Concen: 19.599 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW010704.D
Acq: 06 Jun 2019 12:36

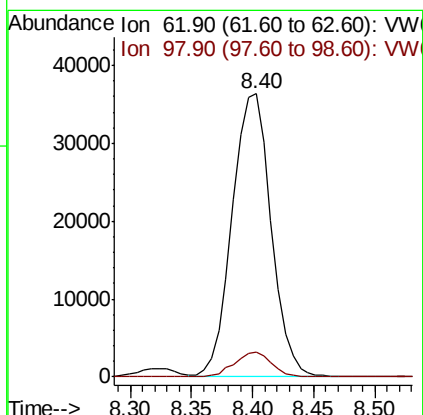
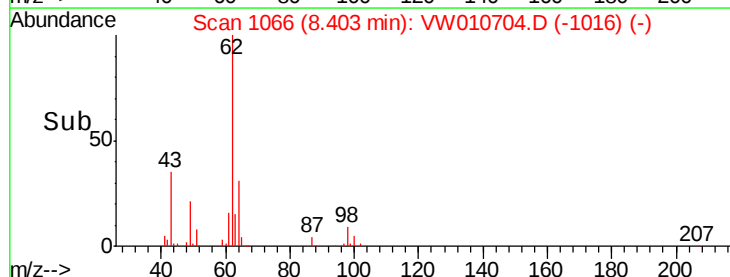
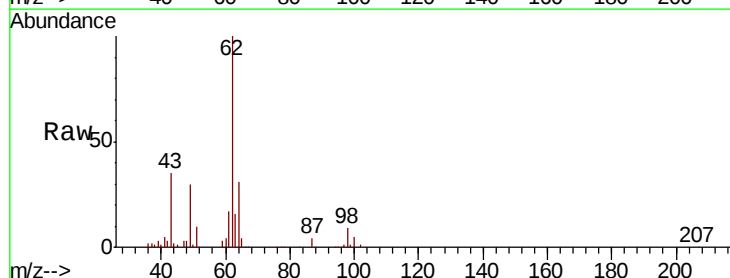
Instrument :
MSVOA_W
ClientSampleId :
VW0606SBS01

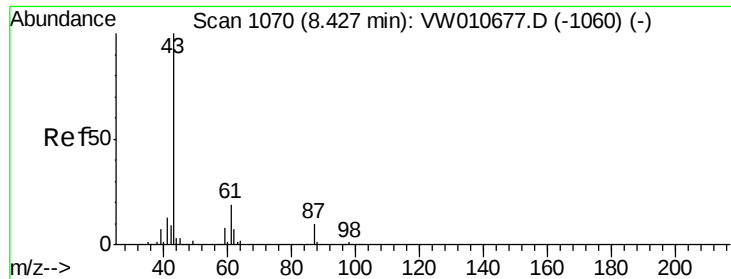
Tot Ion:	41	Resp:	29800
Ion	Ratio	Lower	Upper
41	100		
39	59.7	47.3	70.9
67	58.2	47.2	70.8
52	28.4	21.3	31.9



#42
1,2-Dichloroethane
Concen: 20.067 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW010704.D
Acq: 06 Jun 2019 12:36

Tgt Ion:	62	Resp:	80204
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.2





#43

Isopropyl Acetate

Concen: 19.739 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW010704.D

Acq: 06 Jun 2019 12:36

Instrument :

MSVOA_W

ClientSampleId :

VW0606SBSD01

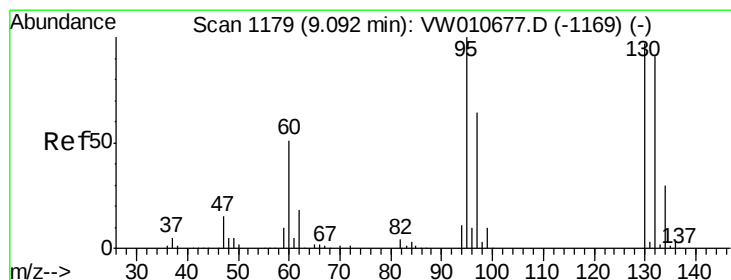
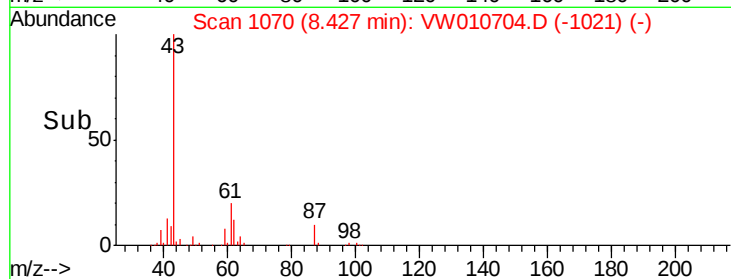
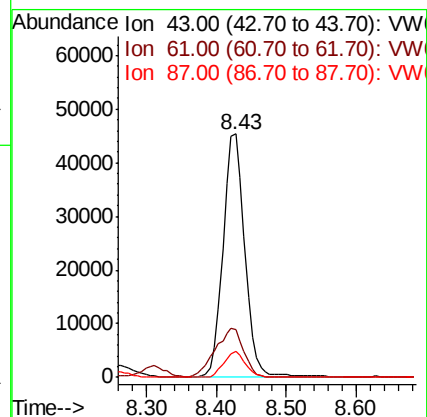
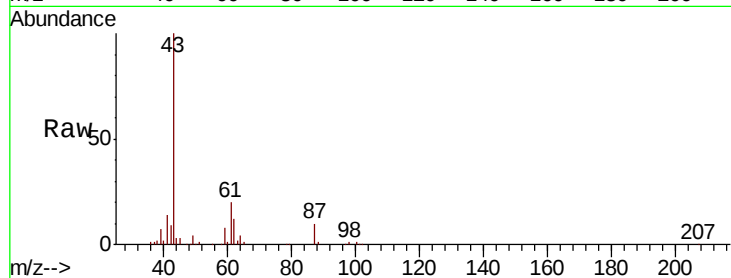
Tot Ion: 43 Resp: 97548

Ion Ratio Lower Upper

43 100

61 26.5 21.2 31.8

87 10.5 8.3 12.5



#44

Trichloroethene

Concen: 19.452 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW010704.D

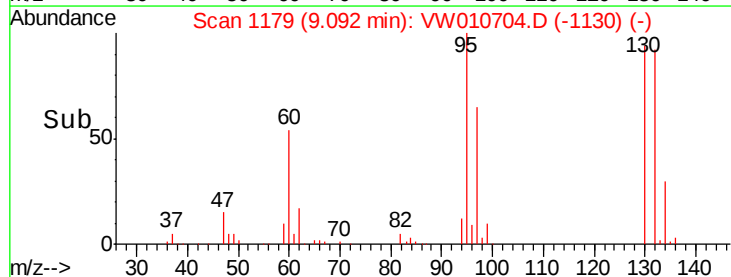
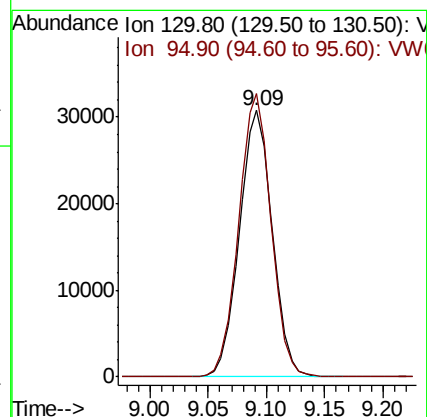
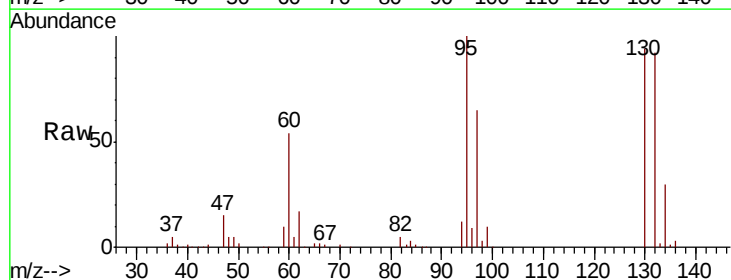
Acq: 06 Jun 2019 12:36

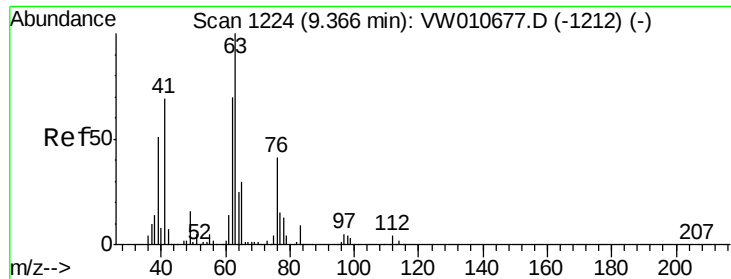
Tgt Ion: 130 Resp: 60426

Ion Ratio Lower Upper

130 100

95 106.3 0.0 207.0





#45

1,2-Dichloropropane

Concen: 20.148 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW010704.D

Acq: 06 Jun 2019 12:36

Instrument :

MSVOA_W

ClientSampleId :

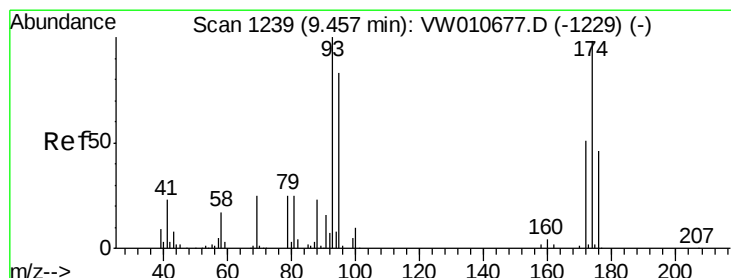
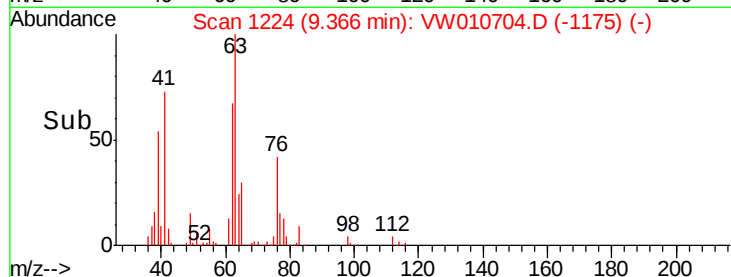
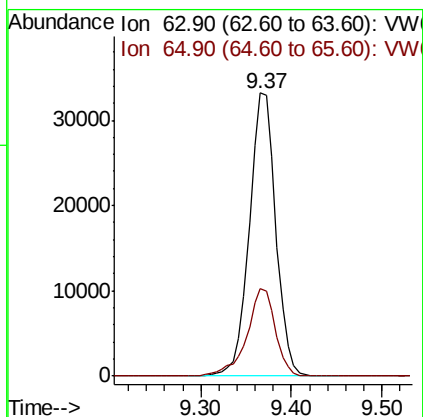
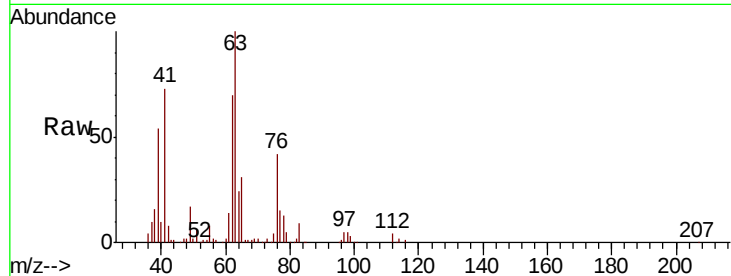
VW0606SBSD01

Tot Ion: 63 Resp: 67166

Ion Ratio Lower Upper

63 100

65 30.8 23.8 35.6



#46

Dibromomethane

Concen: 19.557 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW010704.D

Acq: 06 Jun 2019 12:36

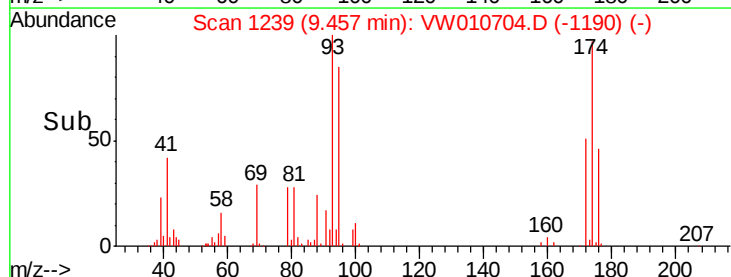
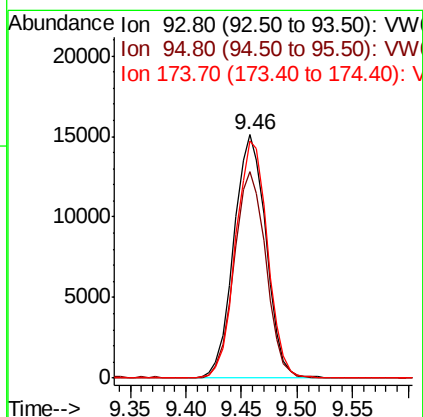
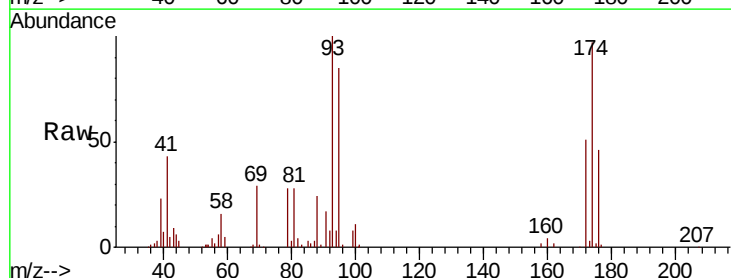
Tgt Ion: 93 Resp: 30282

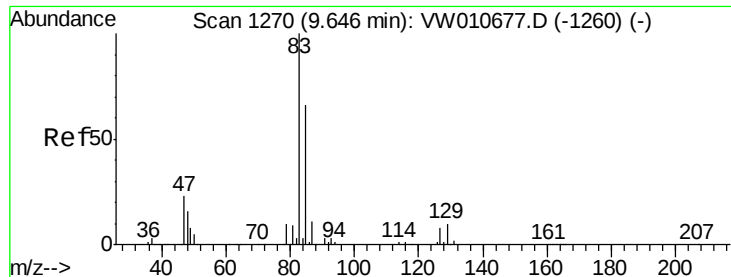
Ion Ratio Lower Upper

93 100

95 83.7 65.8 98.8

174 96.5 77.4 116.0

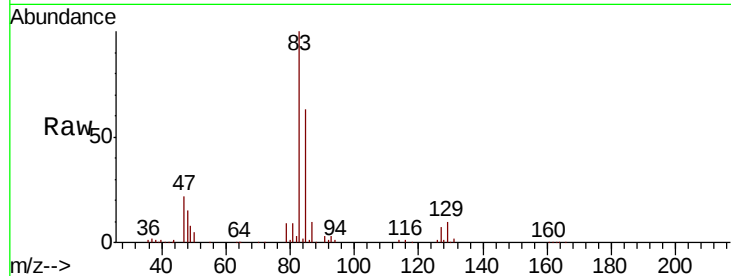




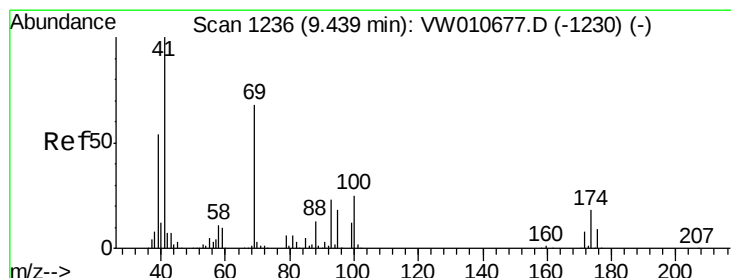
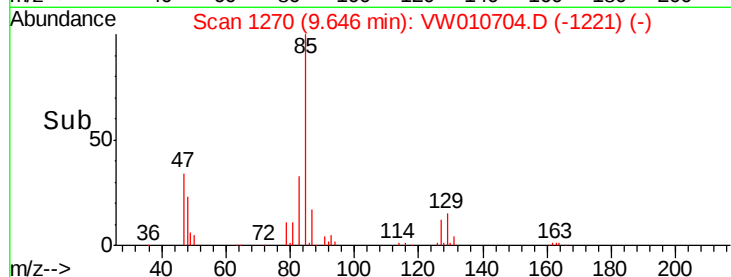
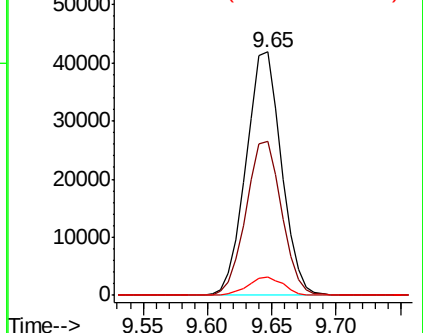
#47
Bromodichloromethane
Concen: 19.803 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW010704.D
Acq: 06 Jun 2019 12:36

Instrument :
MSVOA_W
ClientSampleId :
VW0606SBSD01

Tot Ion: 83 Resp: 79483
Ion Ratio Lower Upper
83 100
85 63.2 53.0 79.4
127 7.3 6.4 9.6

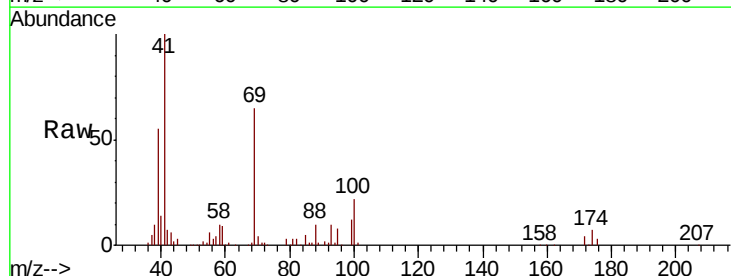


Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): VW

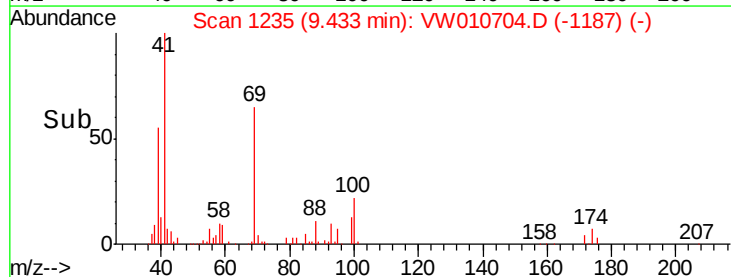
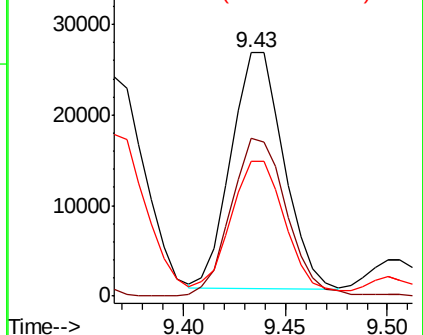


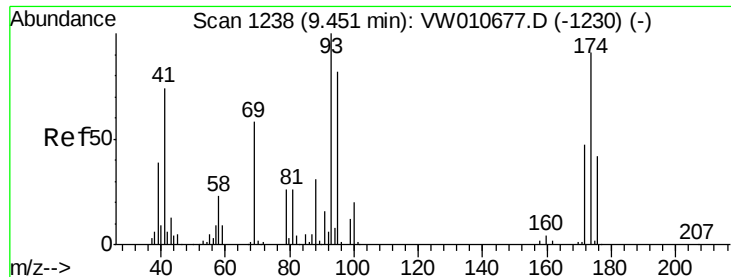
#48
Methyl methacrylate
Concen: 19.575 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW010704.D
Acq: 06 Jun 2019 12:36

Tgt Ion: 41 Resp: 46642
Ion Ratio Lower Upper
41 100
69 71.7 56.6 85.0
39 55.4 44.4 66.6



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 399.038 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.01 min

Lab File: VW010704.D

Acq: 06 Jun 2019 12:36

Instrument :

MSVOA_W

ClientSampleID :

VW0606SBSD01

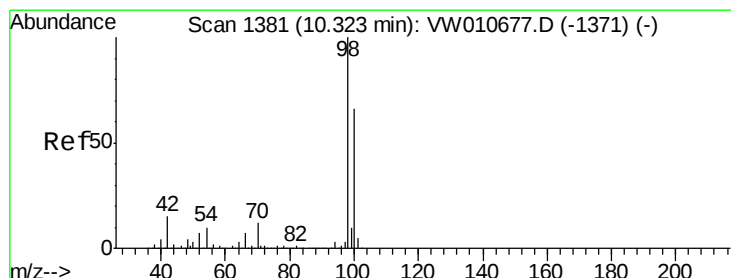
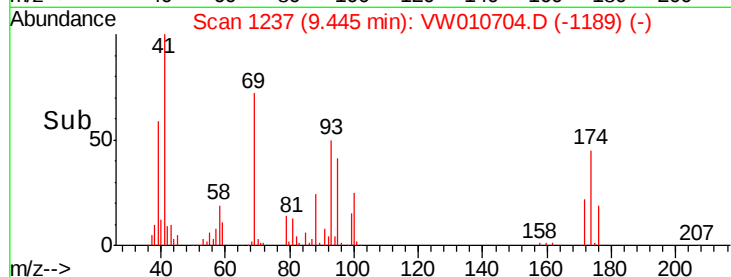
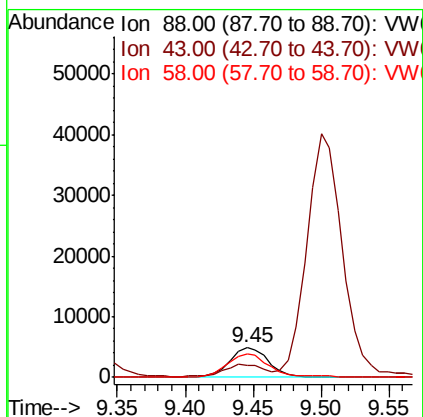
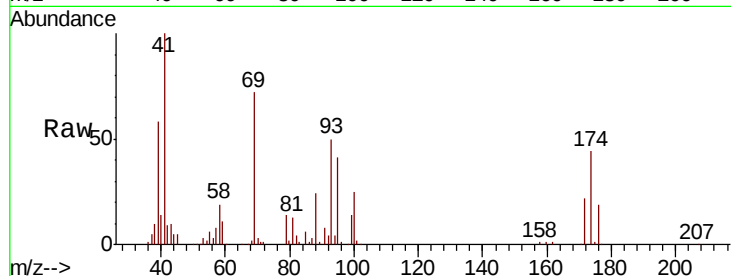
Tot Ion: 88 Resp: 9660

Ion Ratio Lower Upper

88 100

43 41.9 34.2 51.4

58 83.5 69.0 103.4



#50

Toluene-d8

Concen: 50.400 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010704.D

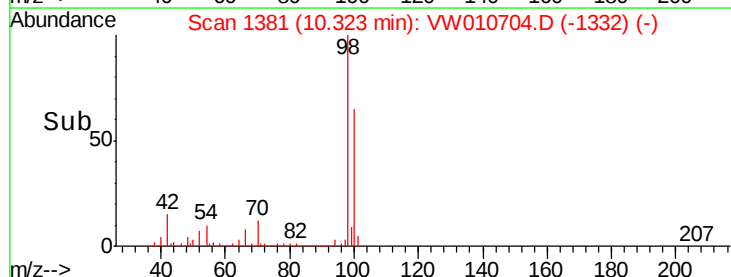
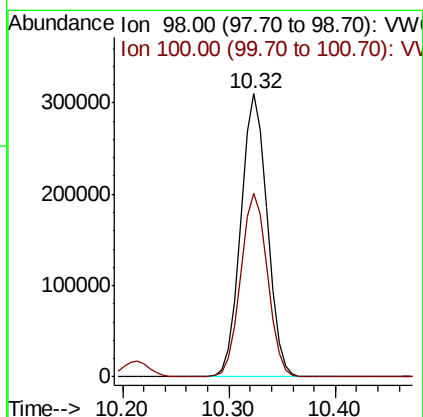
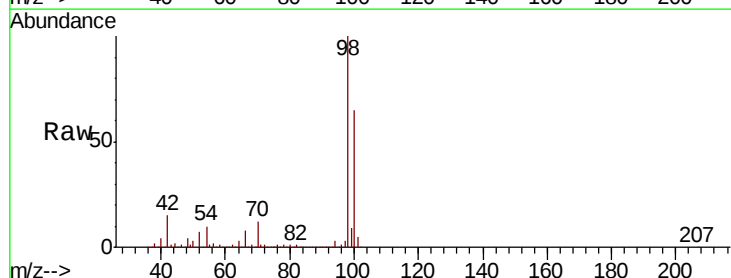
Acq: 06 Jun 2019 12:36

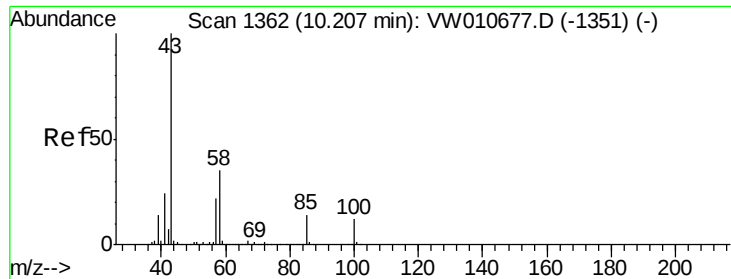
Tgt Ion: 98 Resp: 540988

Ion Ratio Lower Upper

98 100

100 65.8 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 99.545 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010704.D

Acq: 06 Jun 2019 12:36

Instrument :

MSVOA_W

ClientSampleId :

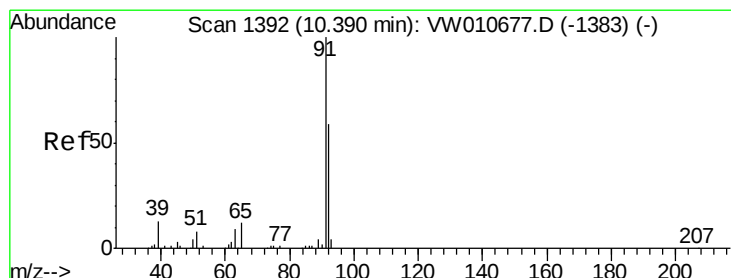
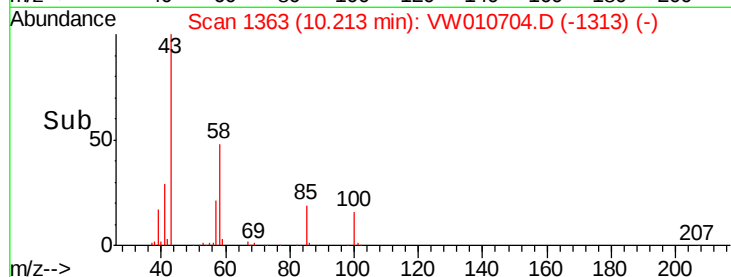
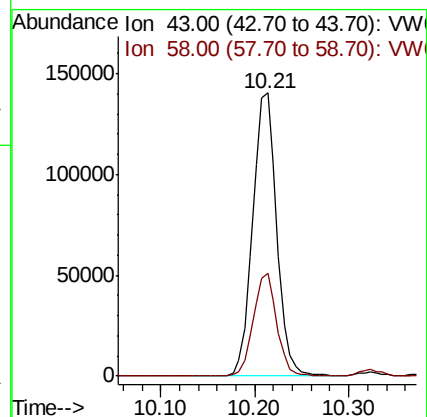
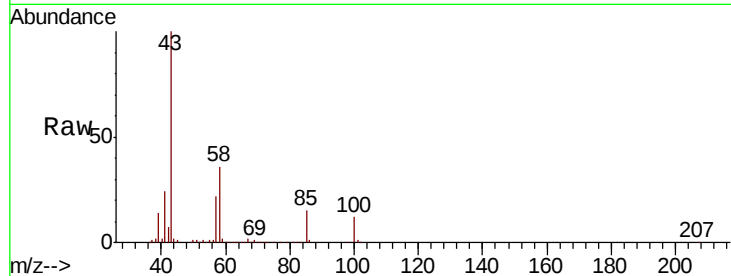
VW0606SBSD01

Tot Ion: 43 Resp: 251323

Ion Ratio Lower Upper

43 100

58 35.5 28.4 42.6



#52

Toluene

Concen: 20.022 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010704.D

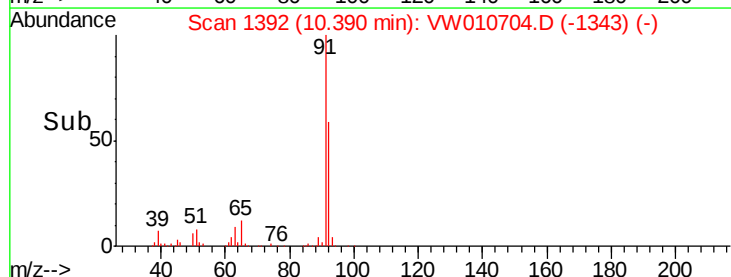
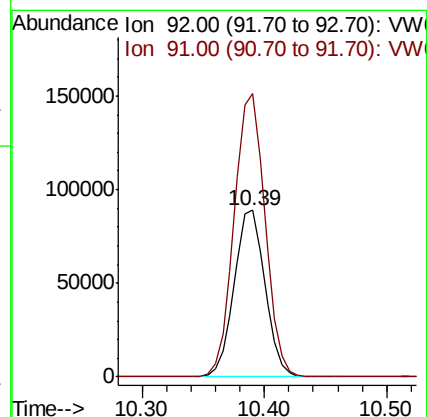
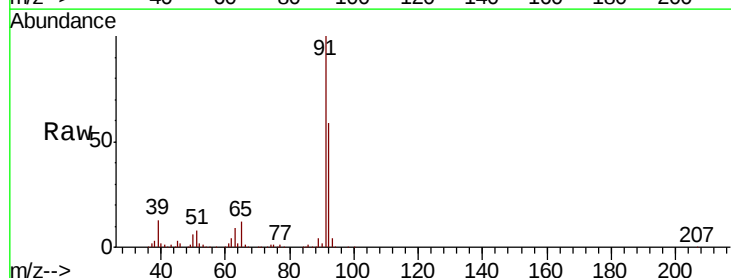
Acq: 06 Jun 2019 12:36

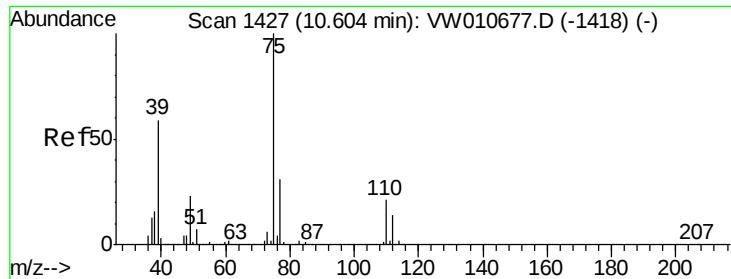
Tgt Ion: 92 Resp: 155138

Ion Ratio Lower Upper

92 100

91 170.4 134.9 202.3





#53

t-1,3-Dichloropropene

Concen: 19.854 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010704.D

Acq: 06 Jun 2019 12:36

Instrument :

MSVOA_W

ClientSampled :

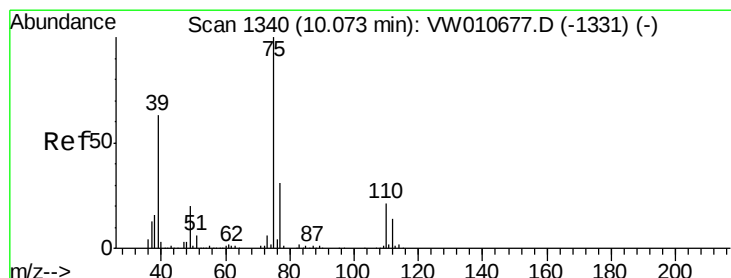
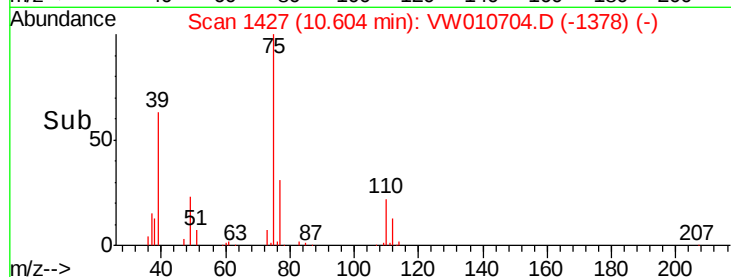
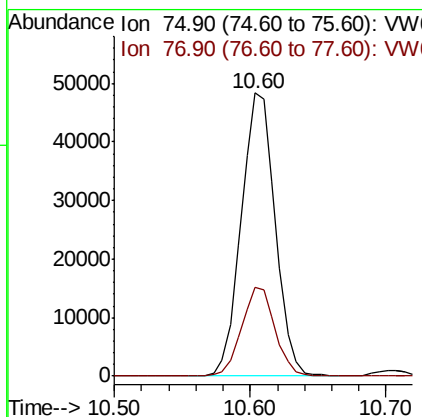
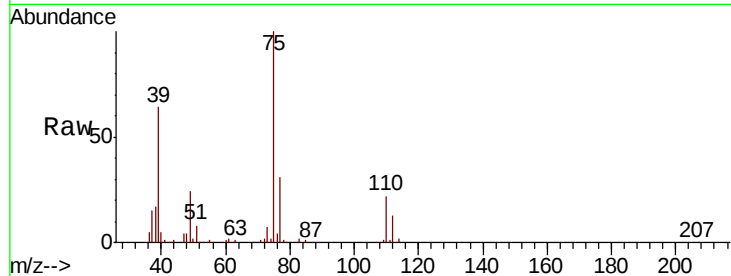
VW0606SBSD01

Tot Ion: 75 Resp: 84405

Ion Ratio Lower Upper

75 100

77 31.4 24.6 36.8



#54

cis-1,3-Dichloropropene

Concen: 20.051 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010704.D

Acq: 06 Jun 2019 12:36

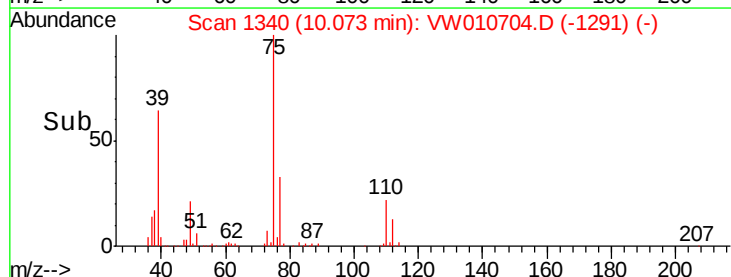
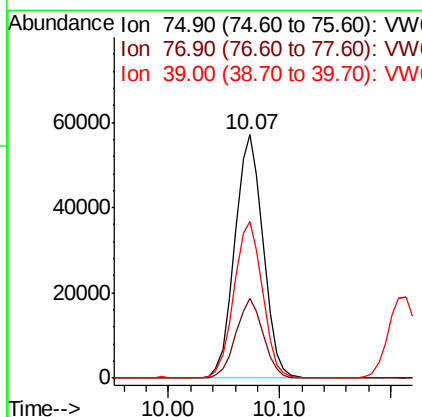
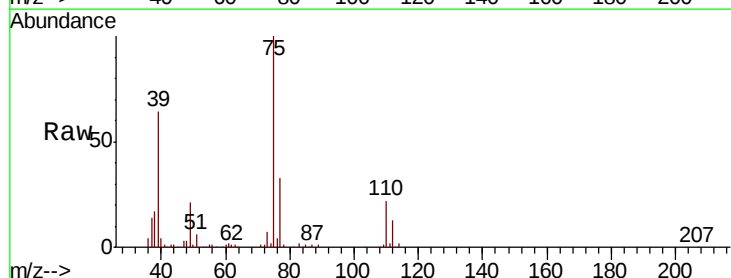
Tgt Ion: 75 Resp: 100304

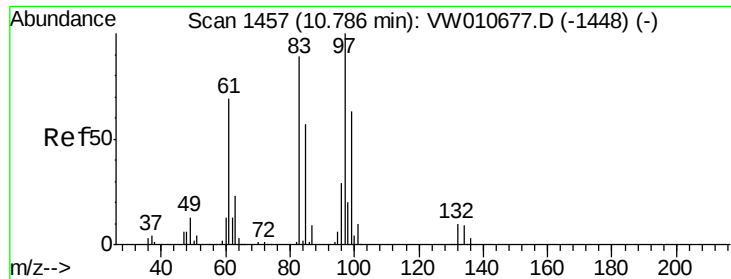
Ion Ratio Lower Upper

75 100

77 32.7 25.2 37.8

39 64.4 50.1 75.1



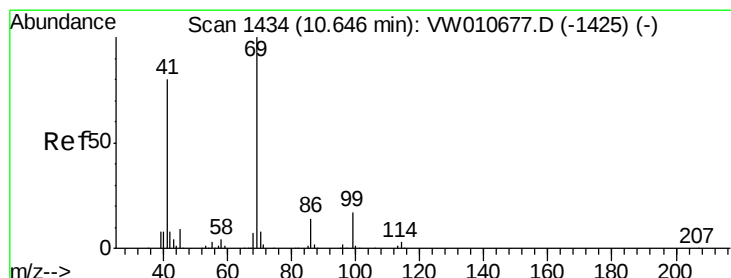
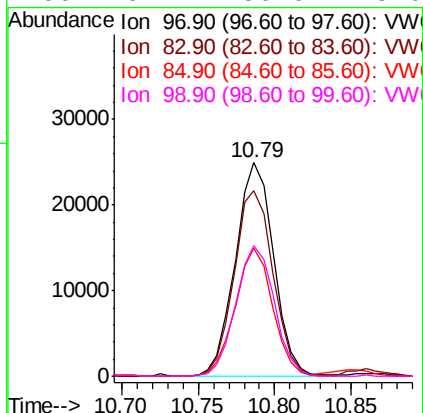
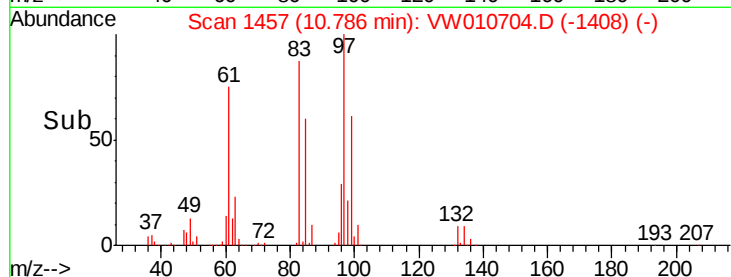
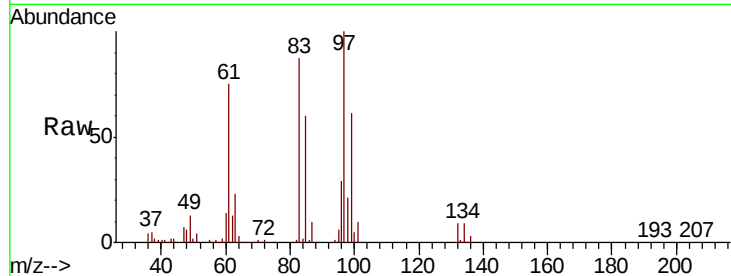


#55
 1,1,2-Trichloroethane
 Concen: 19.479 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010704.D
 Acq: 06 Jun 2019 12:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0606SBSD01

Tot Ion: 97 Resp: 43450

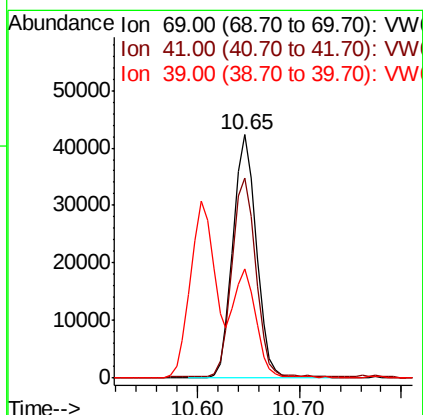
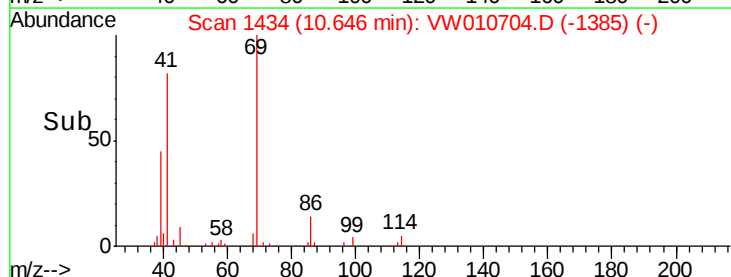
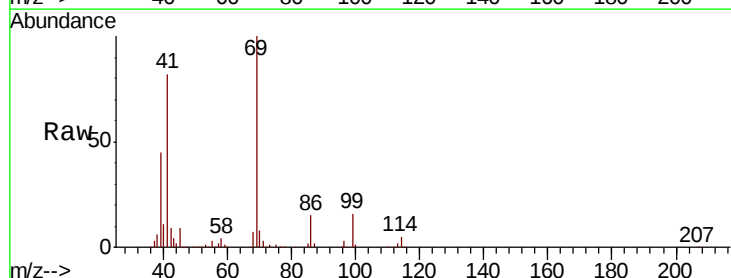
Ion	Ratio	Lower	Upper
97	100		
83	87.0	71.1	106.7
85	59.8	45.2	67.8
99	61.1	50.0	75.0

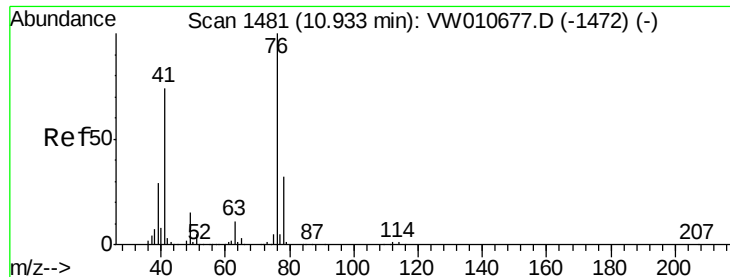


#56
 Ethyl methacrylate
 Concen: 19.672 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW010704.D
 Acq: 06 Jun 2019 12:36

Tgt Ion: 69 Resp: 67522

Ion	Ratio	Lower	Upper
69	100		
41	82.7	64.8	97.2
39	42.0	32.2	48.2

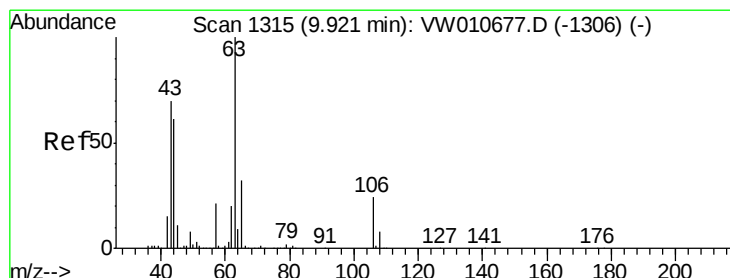
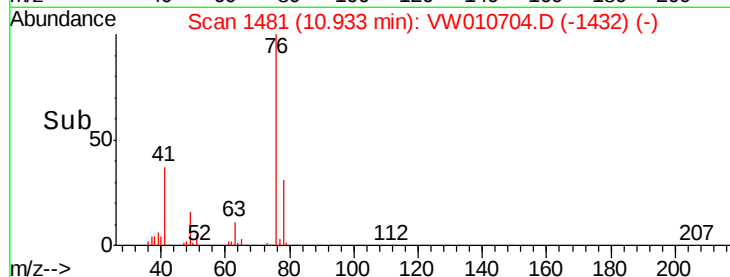
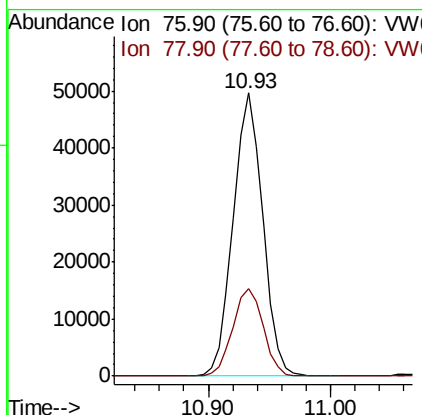
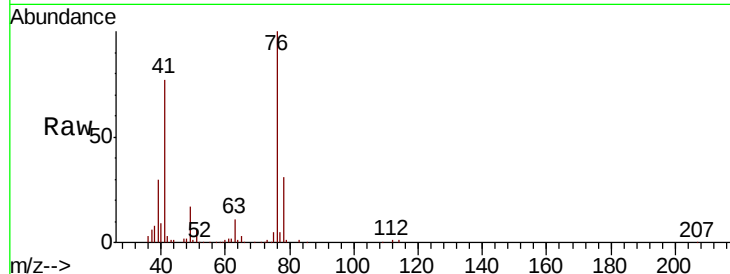




#57
 1,3-Dichloropropane
 Concen: 19.722 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW010704.D
 Acq: 06 Jun 2019 12:36

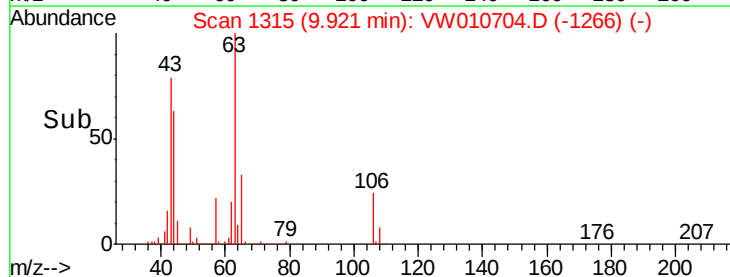
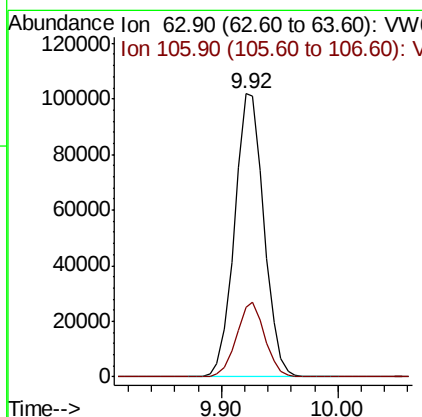
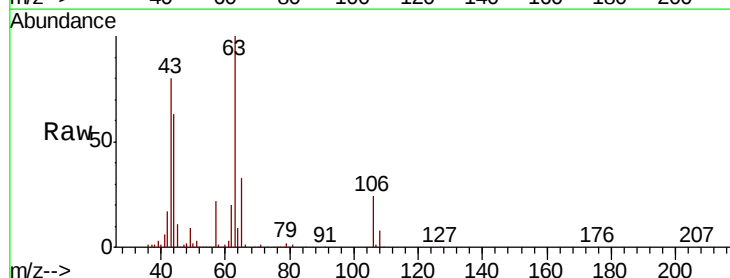
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0606SBSD01

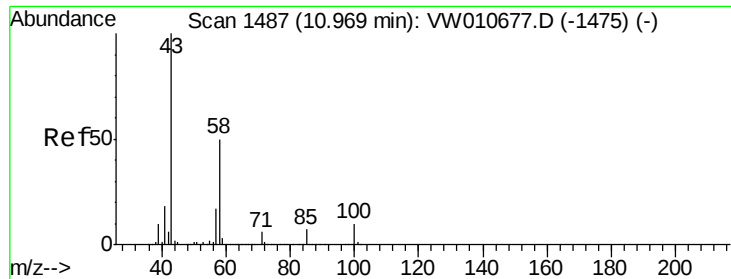
Tot Ion: 76 Resp: 82905
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.634 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW010704.D
 Acq: 06 Jun 2019 12:36

Tgt Ion: 63 Resp: 179119
 Ion Ratio Lower Upper
 63 100
 106 25.3 20.1 30.1

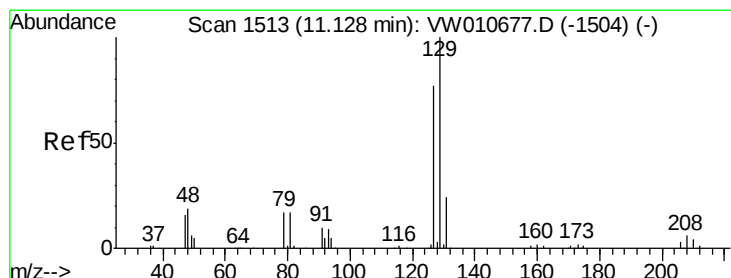
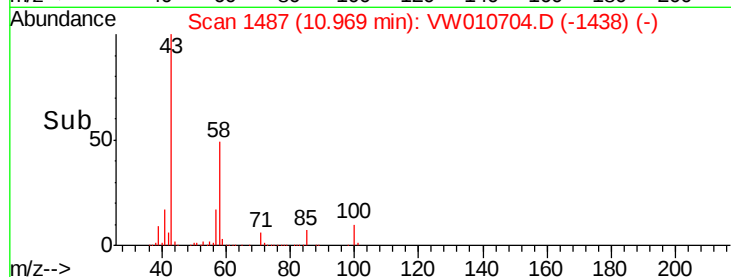
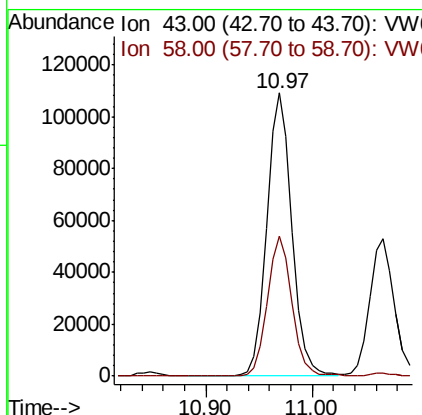
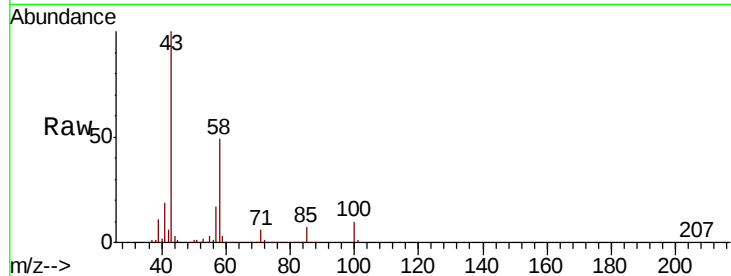




#59
2-Hexanone
Concen: 97.722 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010704.D
Acq: 06 Jun 2019 12:36

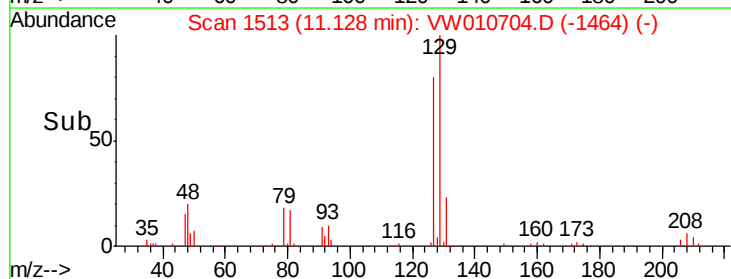
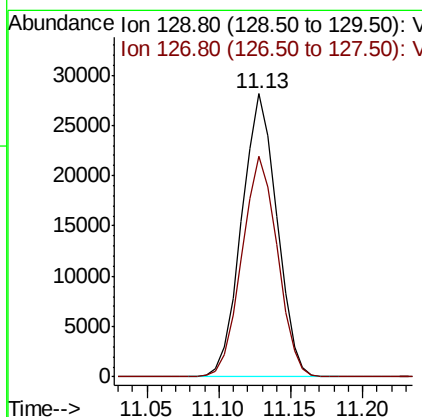
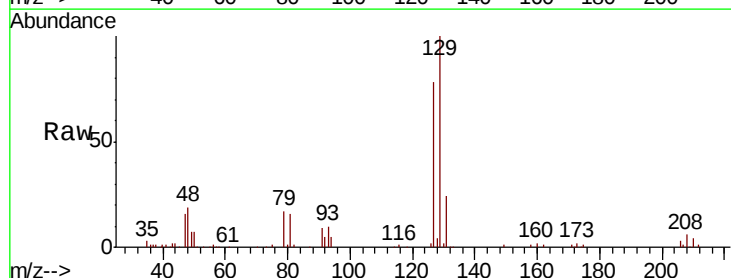
Instrument :
MSVOA_W
ClientSampleId :
VW0606SBSD01

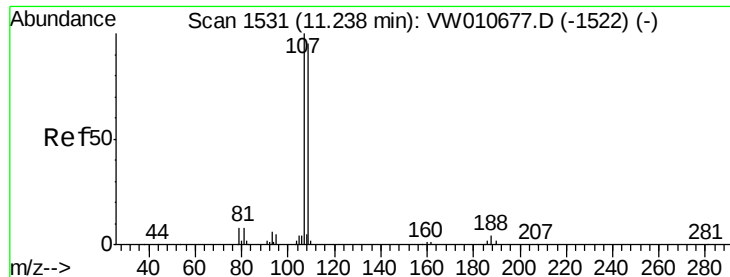
Tot Ion: 43 Resp: 178310
Ion Ratio Lower Upper
43 100
58 48.7 24.9 74.6



#60
Dibromochloromethane
Concen: 19.268 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010704.D
Acq: 06 Jun 2019 12:36

Tgt Ion: 129 Resp: 47643
Ion Ratio Lower Upper
129 100
127 78.7 38.6 116.0

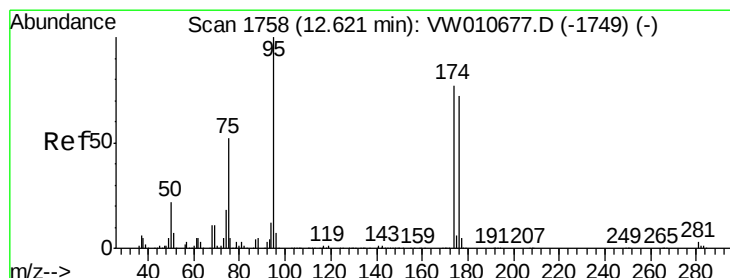
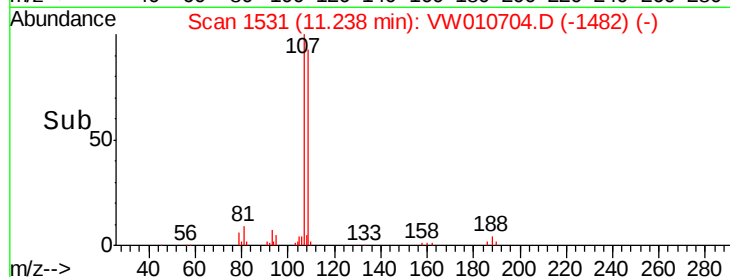
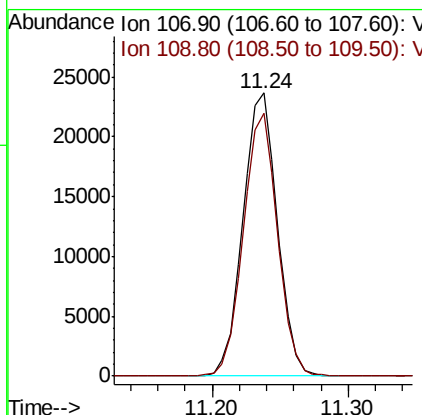
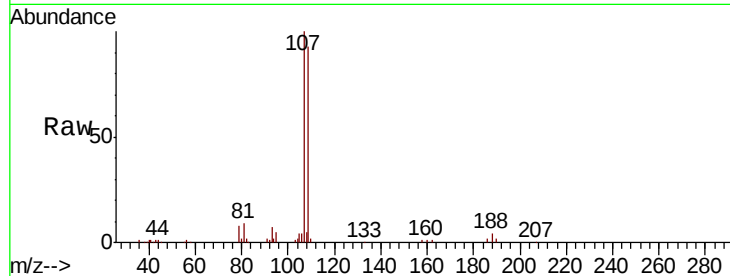




#61
 1,2-Dibromoethane
 Concen: 19.787 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW010704.D
 Acq: 06 Jun 2019 12:36

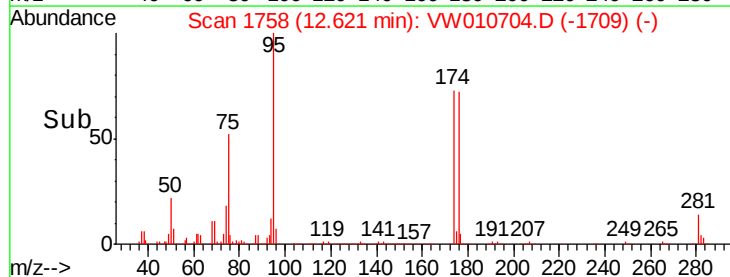
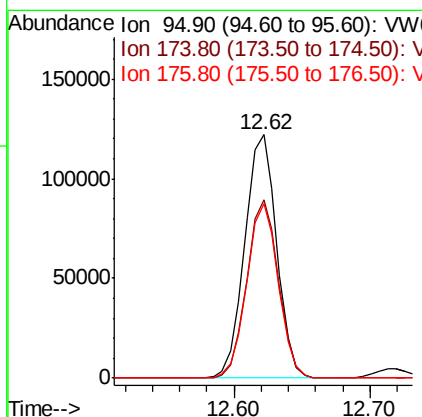
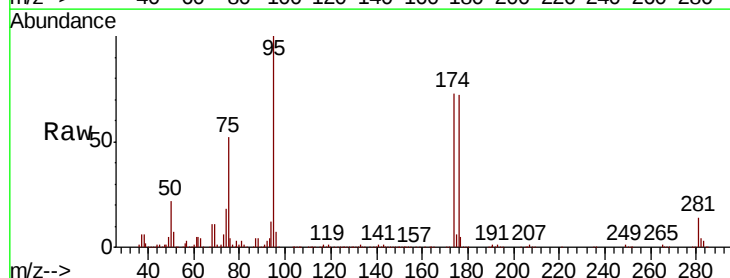
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0606SBSD01

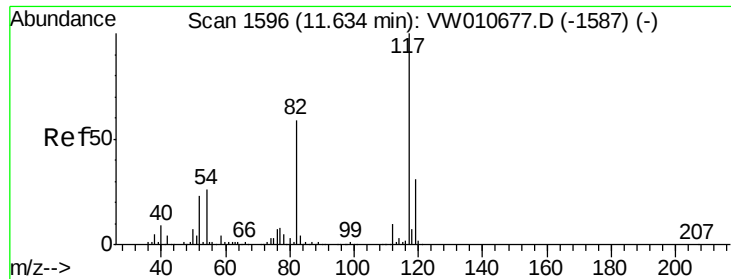
Tot Ion: 107 Resp: 41818
 Ion Ratio Lower Upper
 107 100
 109 92.5 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 51.256 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW010704.D
 Acq: 06 Jun 2019 12:36

Tgt Ion: 95 Resp: 200199
 Ion Ratio Lower Upper
 95 100
 174 72.9 0.0 150.4
 176 71.0 0.0 144.8

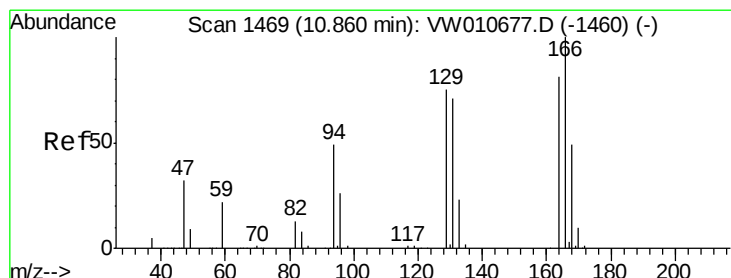
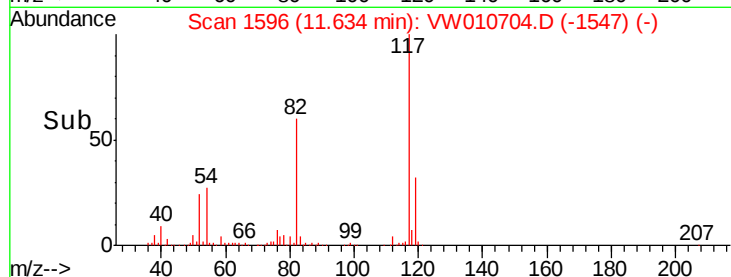
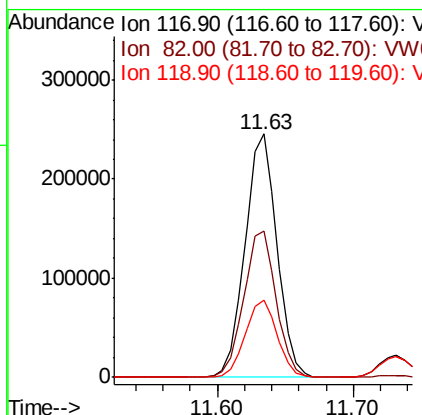
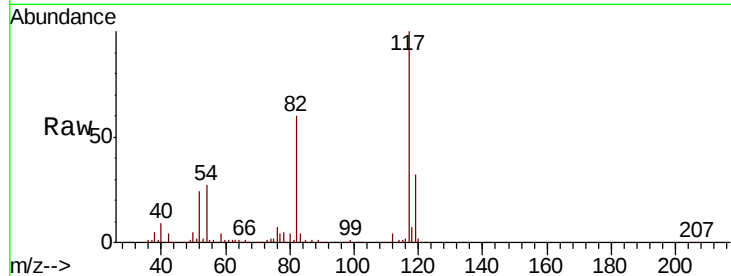




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010704.D
Acq: 06 Jun 2019 12:36

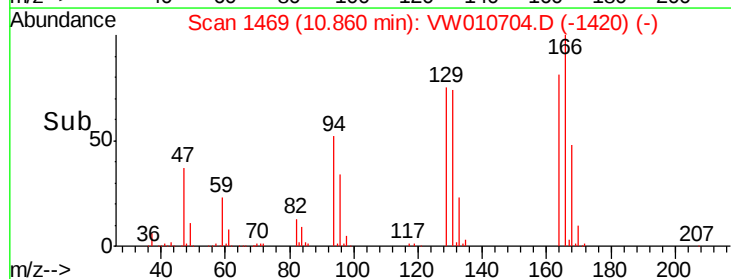
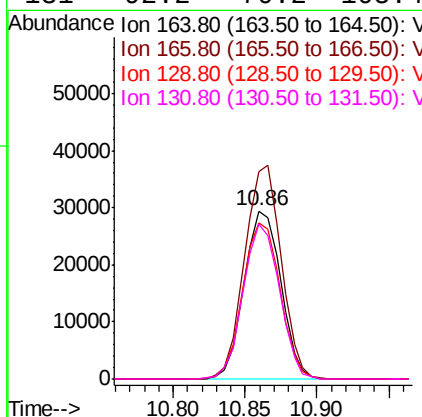
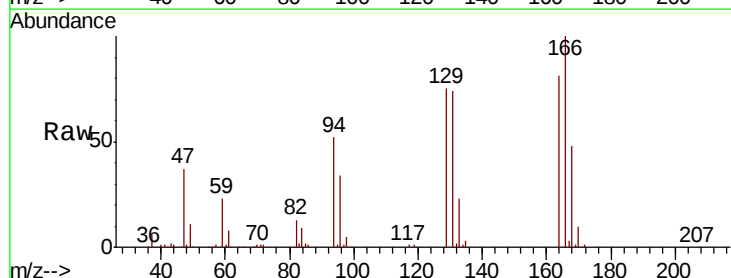
Instrument :
MSVOA_W
ClientSampleId :
VW0606SBSD01

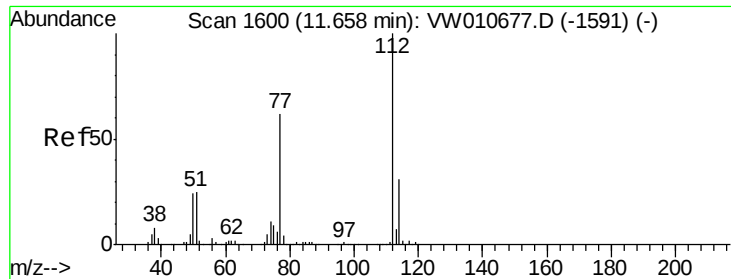
Tot Ion:117 Resp: 403439
Ion Ratio Lower Upper
117 100
82 59.9 47.0 70.4
119 31.7 25.1 37.7



#64
Tetrachloroethene
Concen: 19.414 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010704.D
Acq: 06 Jun 2019 12:36

Tgt Ion:164 Resp: 52003
Ion Ratio Lower Upper
164 100
166 123.8 99.2 148.8
129 93.2 74.6 112.0
131 92.2 70.2 105.4

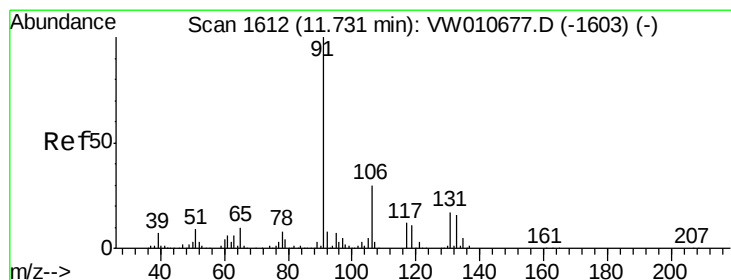
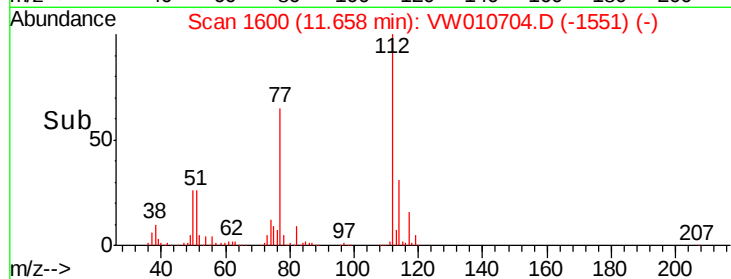
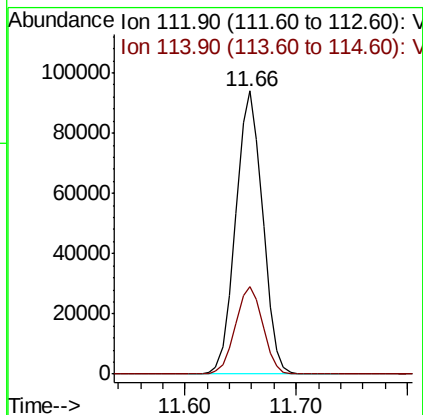
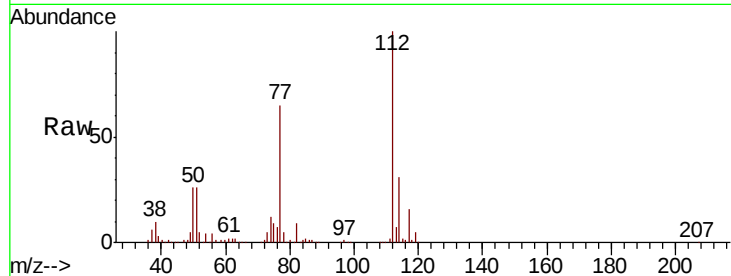




#65
Chlorobenzene
Concen: 19.778 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010704.D
Acq: 06 Jun 2019 12:36

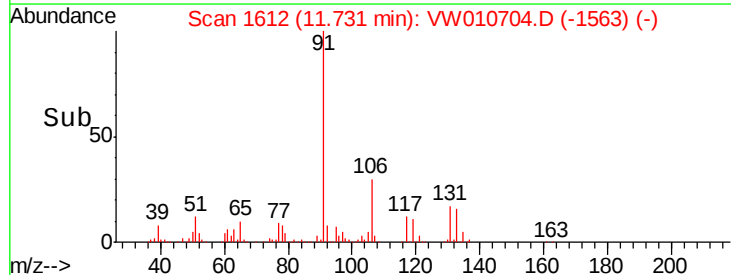
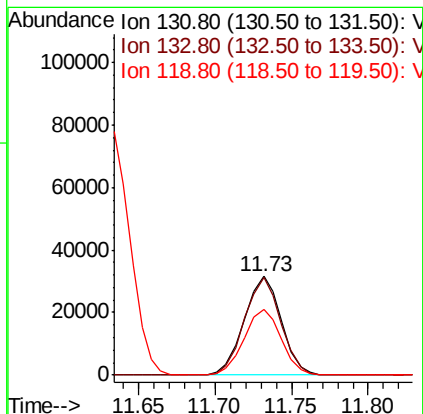
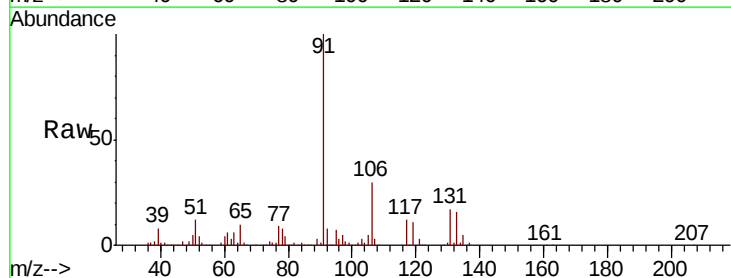
Instrument :
MSVOA_W
ClientSampleId :
VW0606SBS01

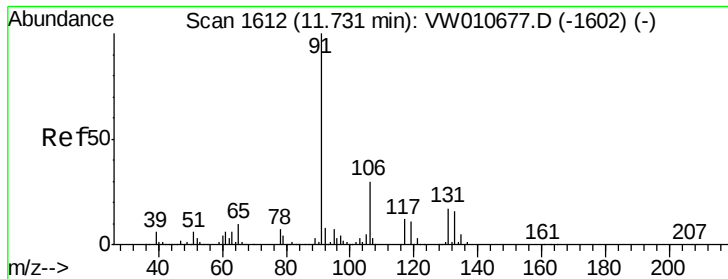
Tot Ion:112 Resp: 156907
Ion Ratio Lower Upper
112 100
114 31.1 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 19.370 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010704.D
Acq: 06 Jun 2019 12:36

Tgt Ion:131 Resp: 53196
Ion Ratio Lower Upper
131 100
133 96.8 47.3 141.9
119 66.8 32.4 97.0





#67

Ethyl Benzene

Concen: 19.745 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010704.D

Acq: 06 Jun 2019 12:36

Instrument :

MSVOA_W

ClientSampleId :

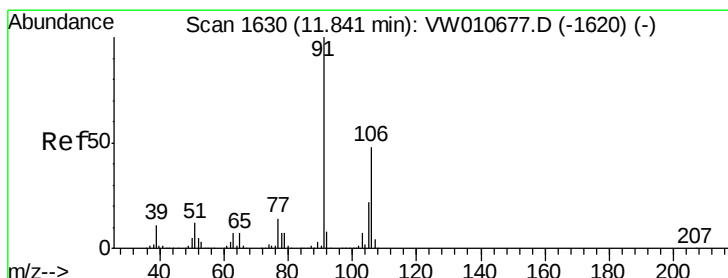
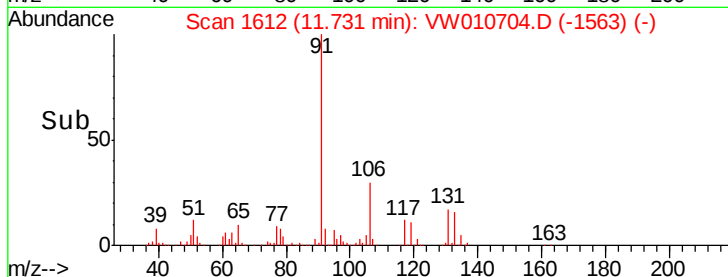
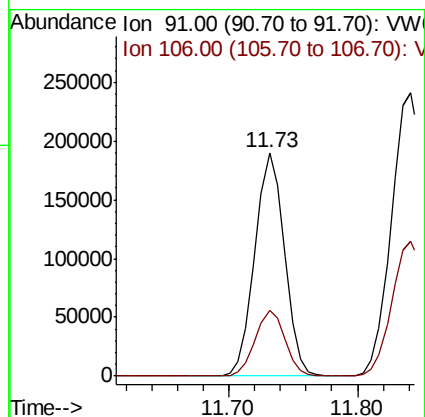
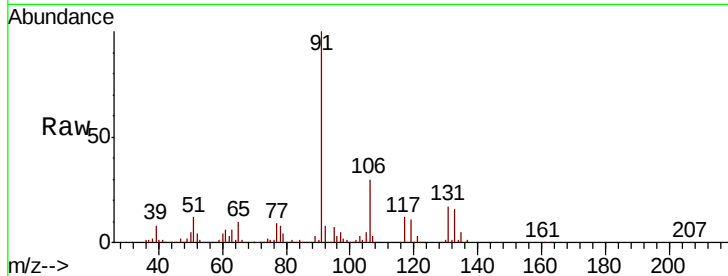
VW0606SBSD01

Tot Ion: 91 Resp: 301063

Ion Ratio Lower Upper

91 100

106 29.5 24.2 36.4



#68

m/p-Xylenes

Concen: 39.710 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW010704.D

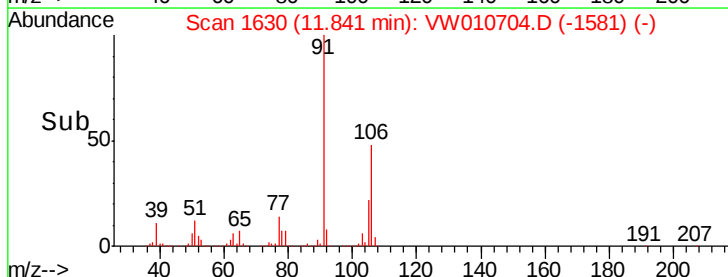
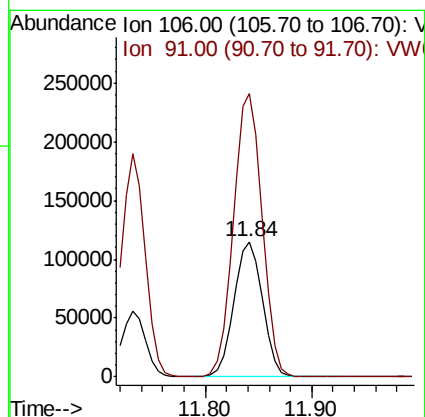
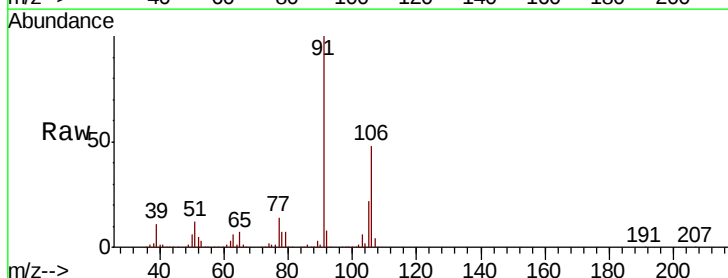
Acq: 06 Jun 2019 12:36

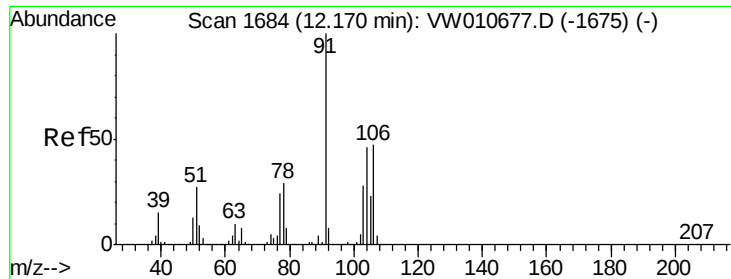
Tgt Ion:106 Resp: 216741

Ion Ratio Lower Upper

106 100

91 210.0 166.5 249.7

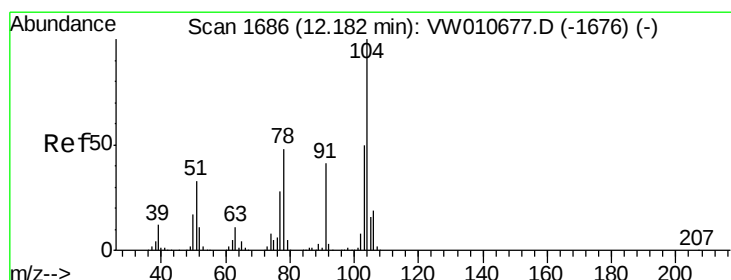
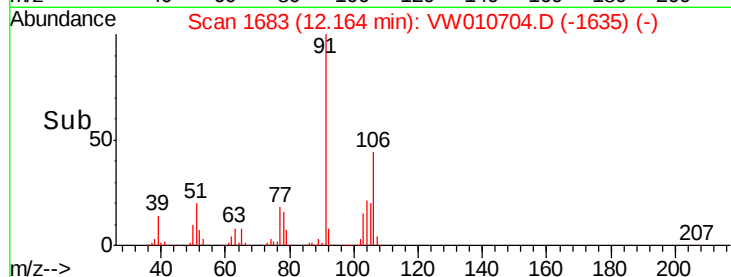
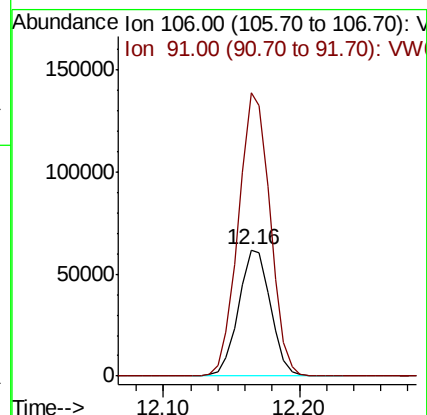
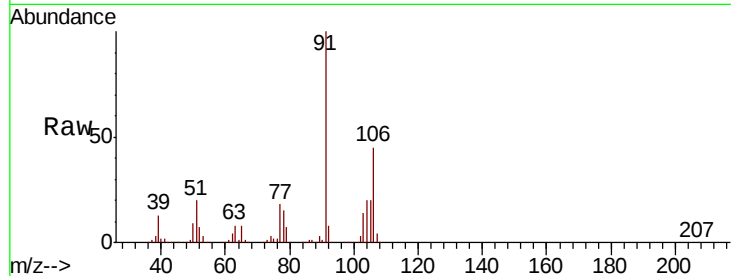




#69
o-Xylene
Concen: 19.563 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010704.D
Acq: 06 Jun 2019 12:36

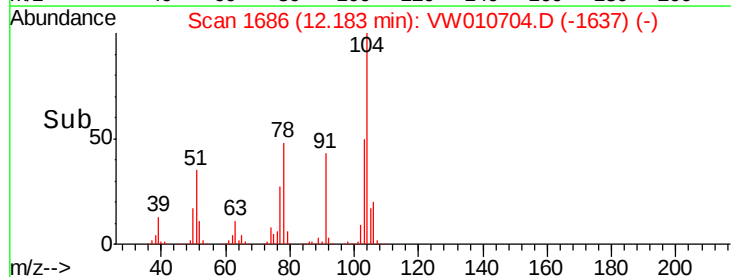
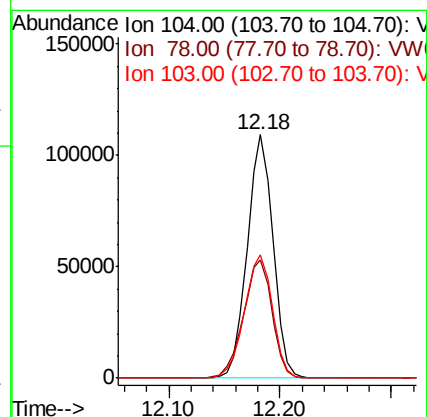
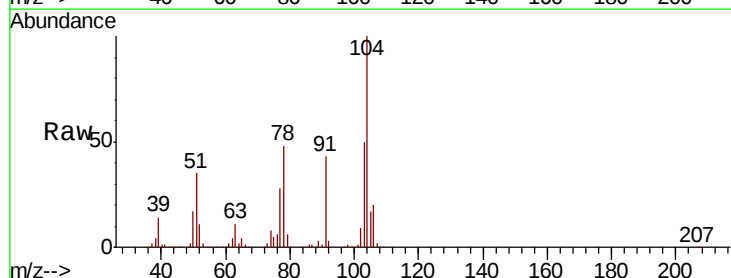
Instrument :
MSVOA_W
ClientSampleId :
VW0606SBS01

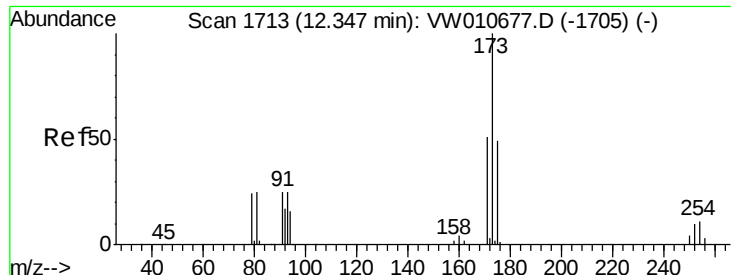
Tot Ion:106 Resp: 101270
Ion Ratio Lower Upper
106 100
91 223.1 108.9 326.6



#70
Styrene
Concen: 19.539 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010704.D
Acq: 06 Jun 2019 12:36

Tgt Ion:104 Resp: 175703
Ion Ratio Lower Upper
104 100
78 53.7 42.7 64.1
103 55.0 43.6 65.4





#71

Bromoform

Concen: 18.723 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW010704.D

Acq: 06 Jun 2019 12:36

Instrument :

MSVOA_W

ClientSampleId :

VW0606SBSD01

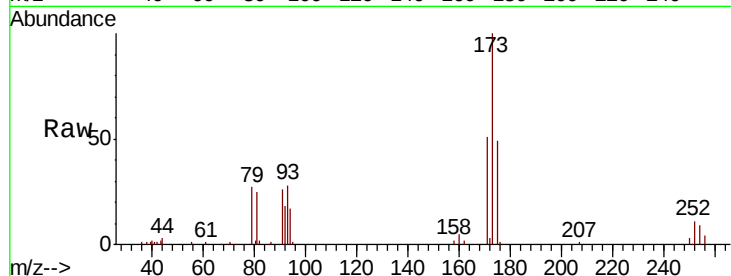
Tot Ion:173 Resp: 26594

Ion Ratio Lower Upper

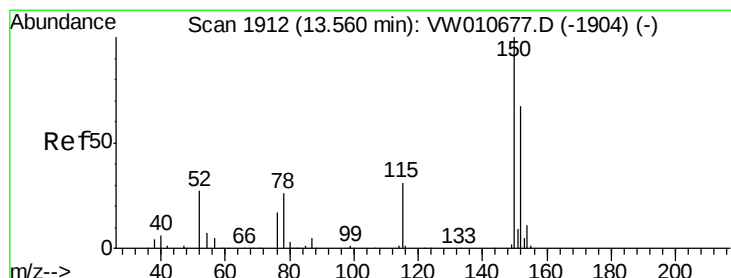
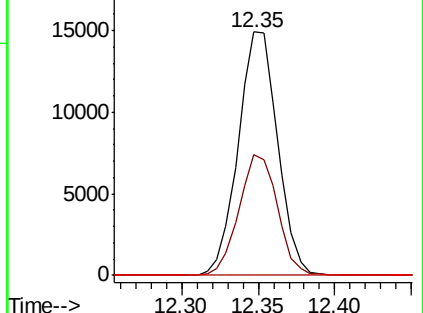
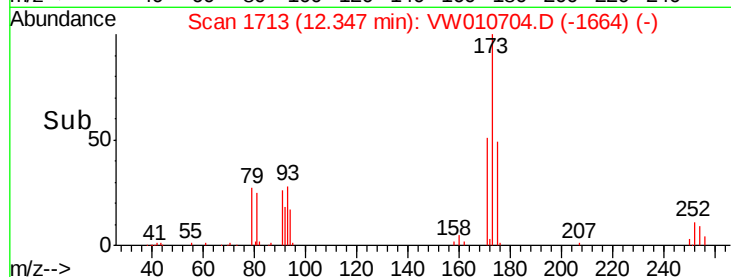
173 100

175 48.6 24.3 72.8

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: VW010704.D

Acq: 06 Jun 2019 12:36

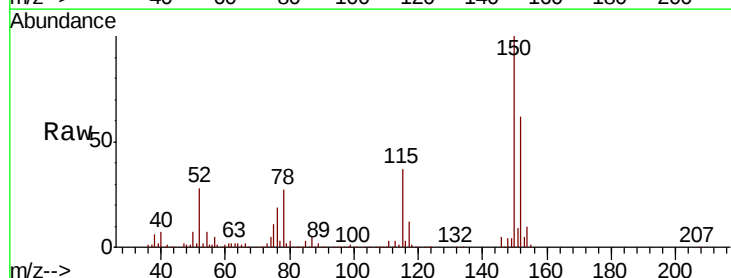
Tgt Ion:152 Resp: 193602

Ion Ratio Lower Upper

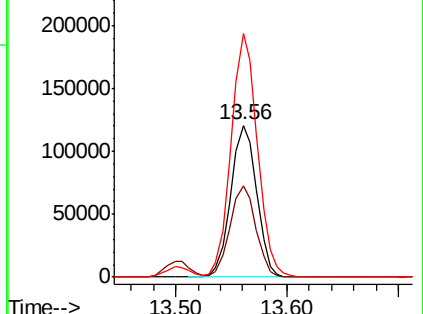
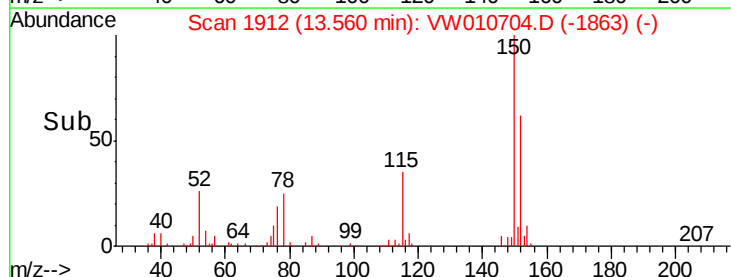
152 100

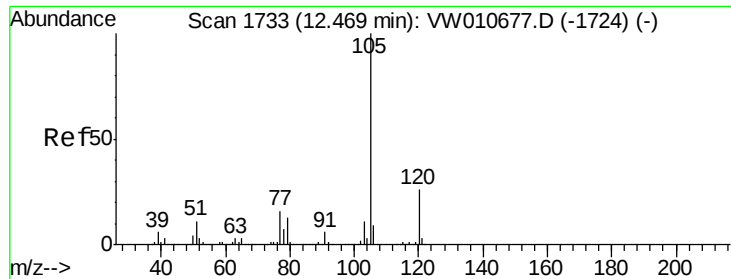
115 60.3 29.8 89.3

150 163.2 0.0 345.0



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





#73

Isopropylbenzene

Concen: 19.713 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010704.D

Acq: 06 Jun 2019 12:36

Instrument :

MSVOA_W

ClientSampleId :

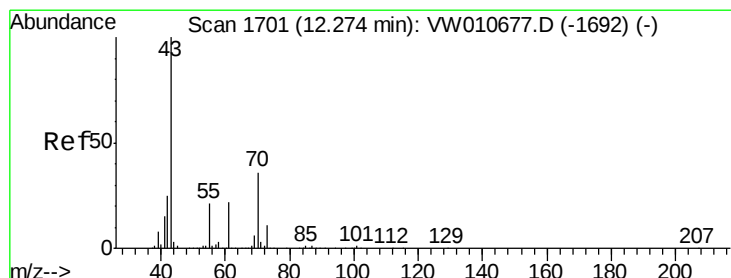
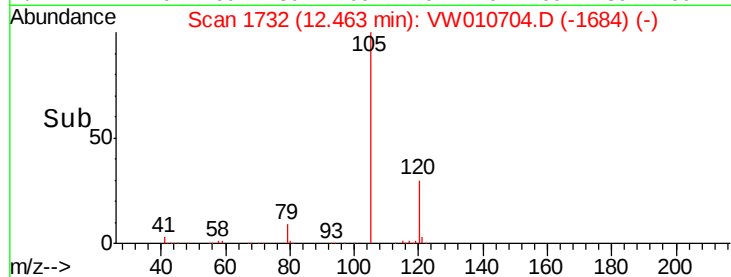
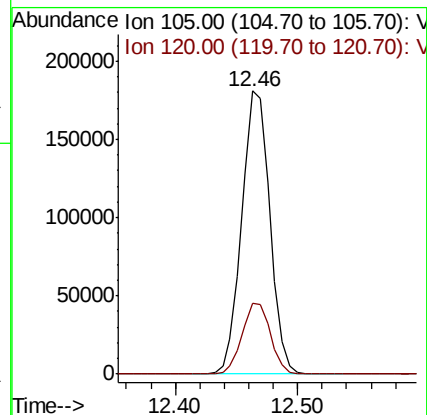
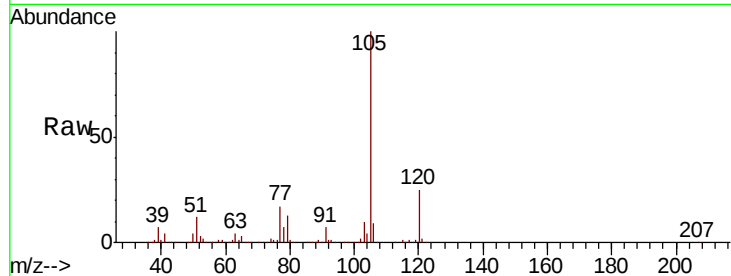
VW0606SBSD01

Tot Ion:105 Resp: 286796

Ion Ratio Lower Upper

105 100

120 25.4 13.1 39.1



#74

N-ethyl acetate

Concen: 19.414 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010704.D

Acq: 06 Jun 2019 12:36

Tgt Ion: 43 Resp: 91283

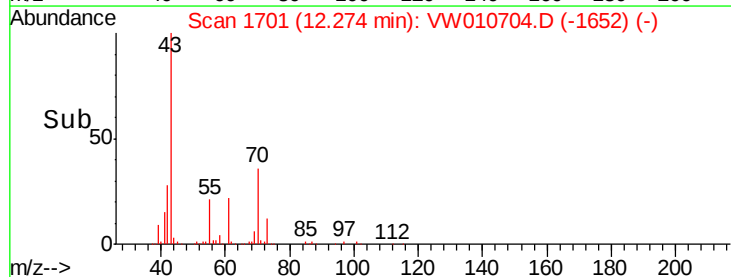
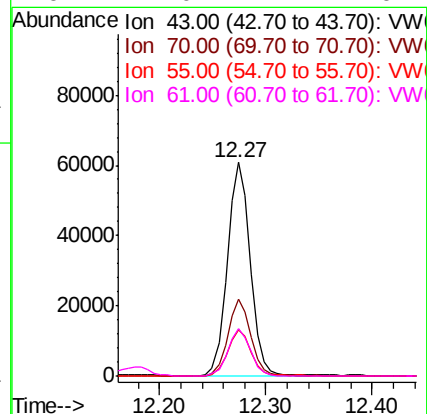
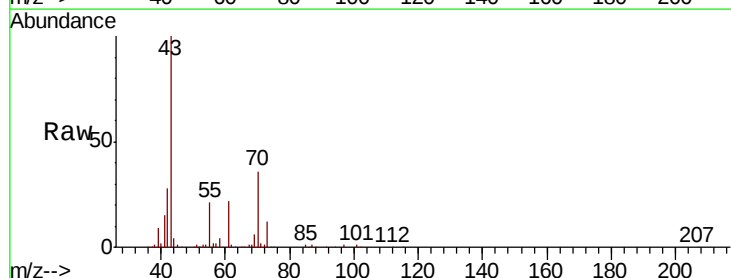
Ion Ratio Lower Upper

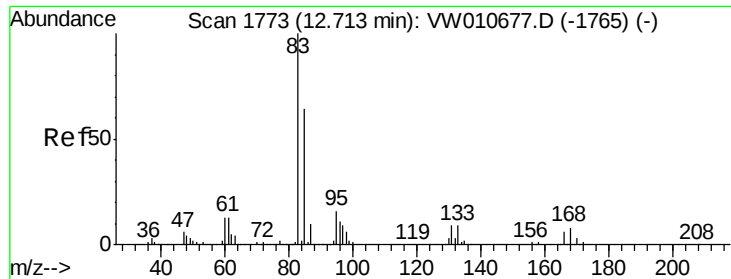
43 100

70 35.9 29.2 43.8

55 21.8 17.5 26.3

61 22.0 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 18.867 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010704.D

Acq: 06 Jun 2019 12:36

Instrument :

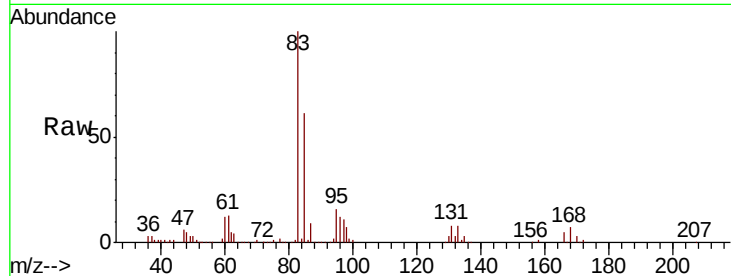
MSVOA_W

ClientSampleId :

VW0606SBSD01

Tot Ion: 83 Resp: 52255

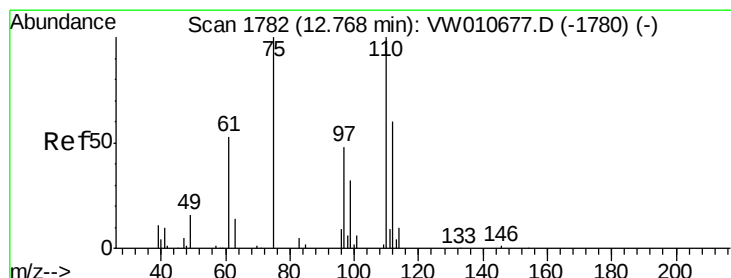
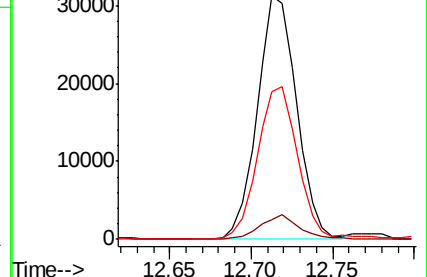
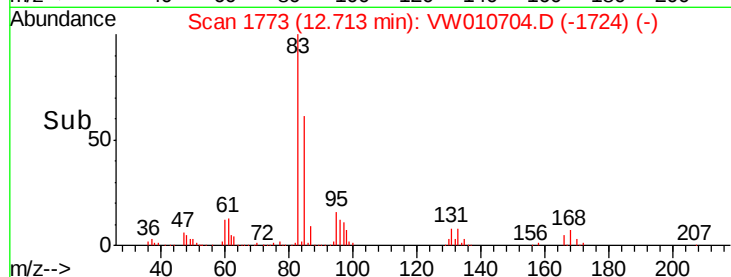
Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.9	14.7
85	64.9	31.9	95.9



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: 35.064 ug/l

RT: 12.77 min Scan# 1782

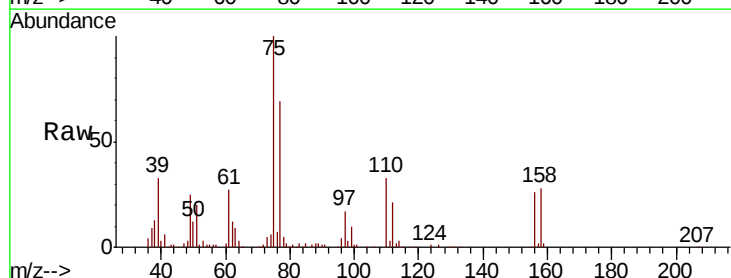
Delta R.T. 0.00 min

Lab File: VW010704.D

Acq: 06 Jun 2019 12:36

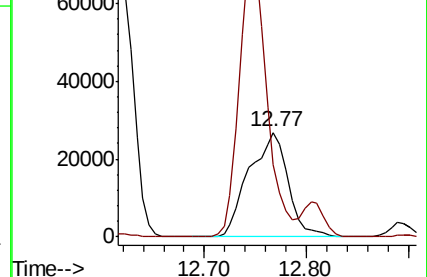
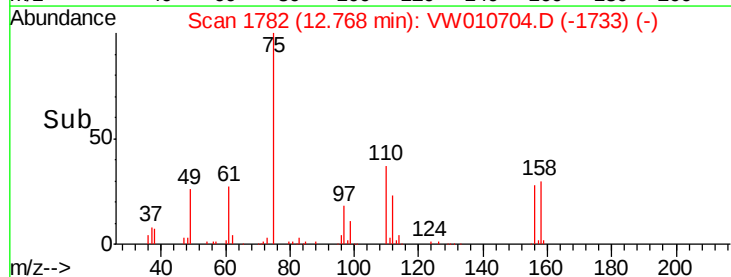
Tgt Ion: 75 Resp: 71289

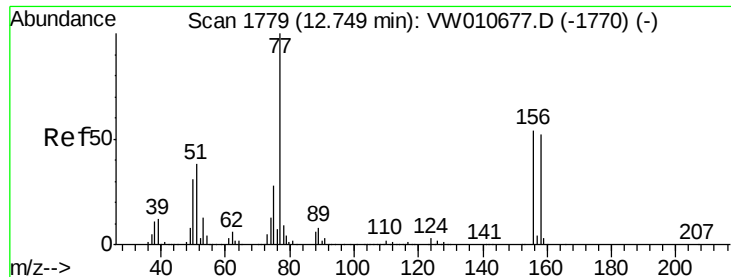
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.478 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010704.D

Acq: 06 Jun 2019 12:36

Instrument :

MSVOA_W

ClientSampleId :

VW0606SBSD01

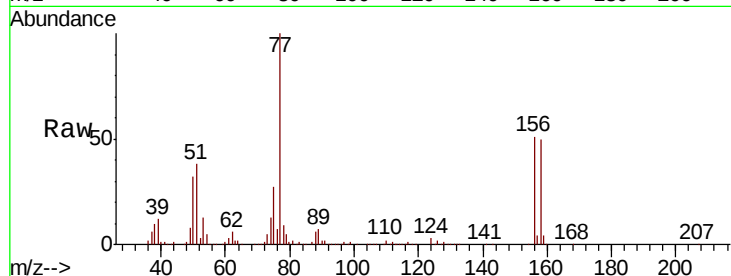
Tot Ion:156 Resp: 61856

Ion Ratio Lower Upper

156 100

77 217.6 106.5 319.4

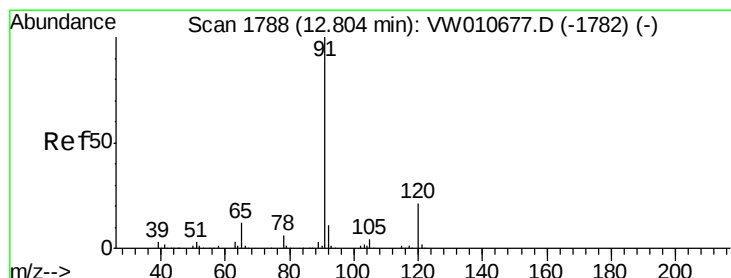
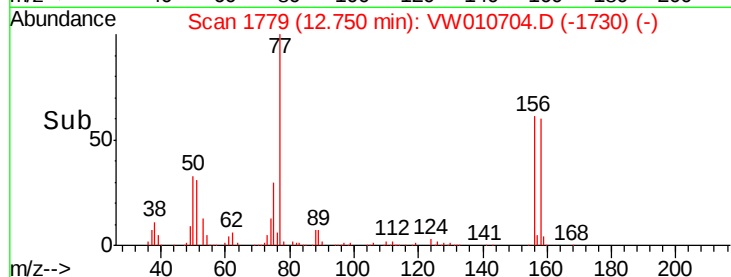
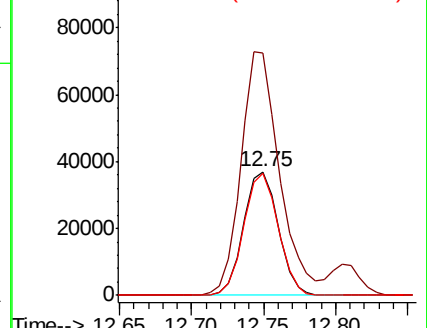
158 97.9 48.3 144.9



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: 20.028 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW010704.D

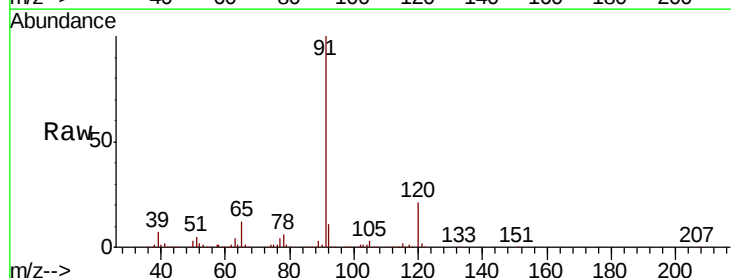
Acq: 06 Jun 2019 12:36

Tgt Ion: 91 Resp: 351342

Ion Ratio Lower Upper

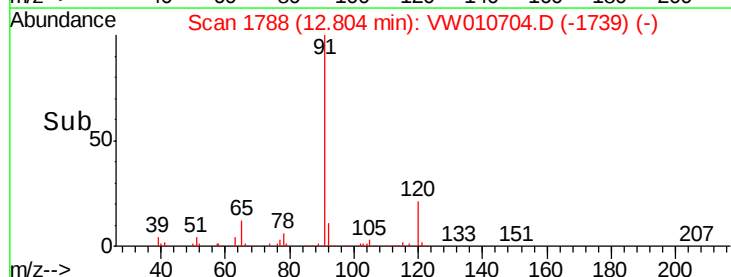
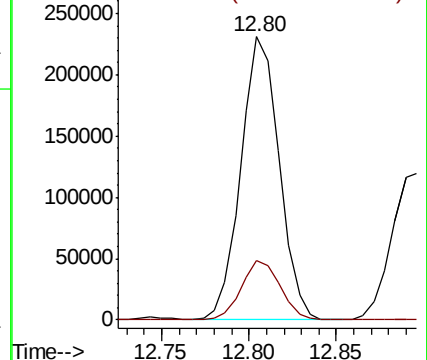
91 100

120 21.4 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.715 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW010704.D

Acq: 06 Jun 2019 12:36

Instrument :

MSVOA_W

ClientSampleId :

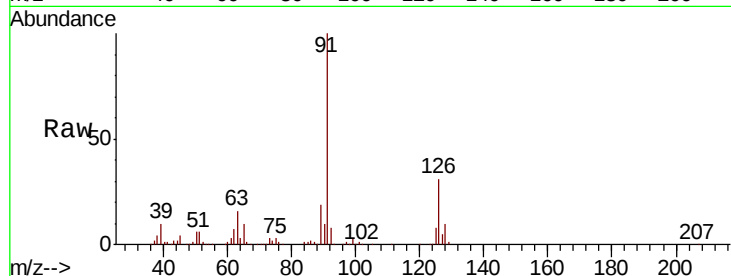
VW0606SBSD01

Tot Ion: 91 Resp: 197590

Ion Ratio Lower Upper

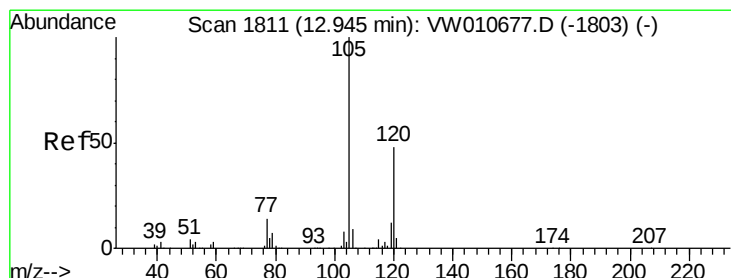
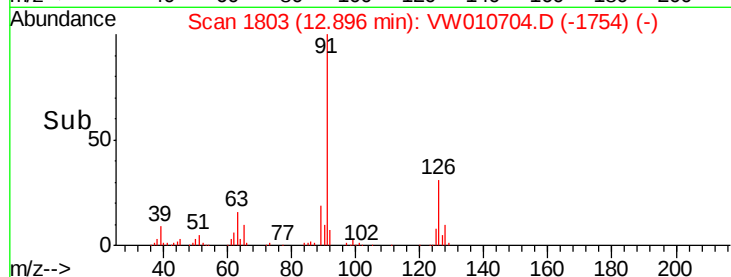
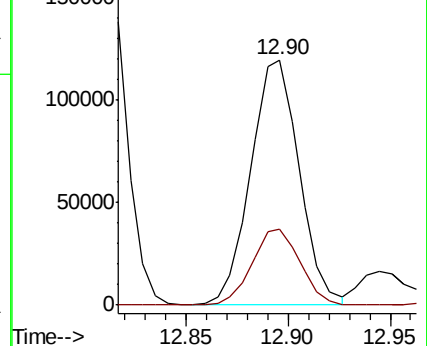
91 100

126 30.6 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.878 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010704.D

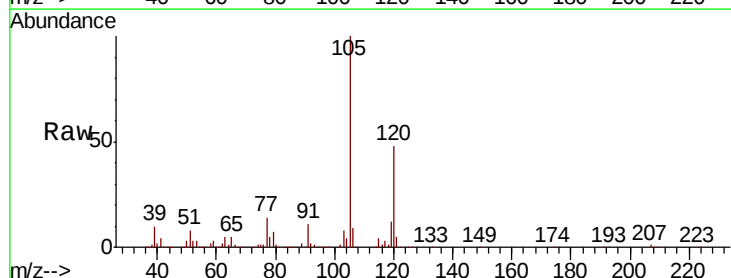
Acq: 06 Jun 2019 12:36

Tgt Ion:105 Resp: 236705

Ion Ratio Lower Upper

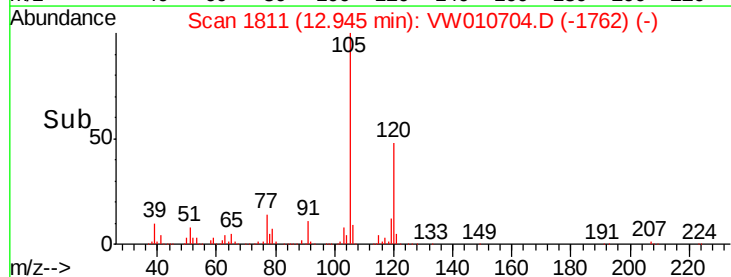
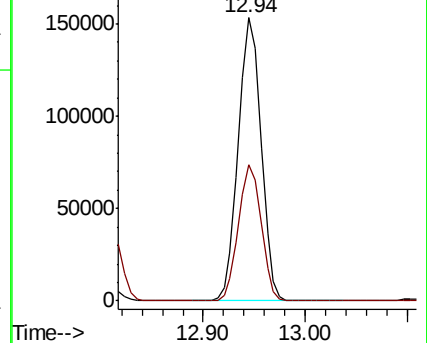
105 100

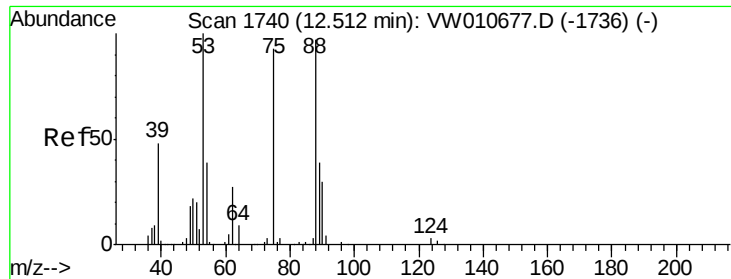
120 47.9 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

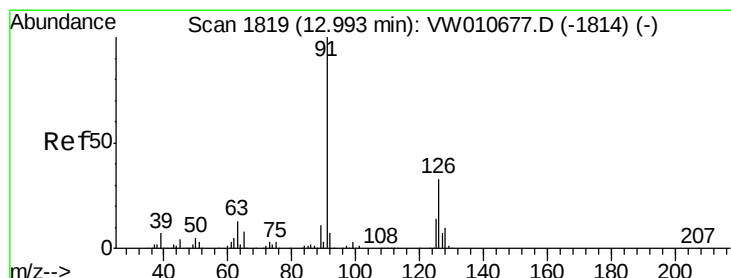
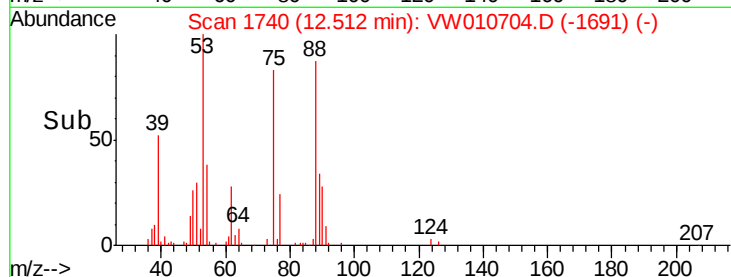
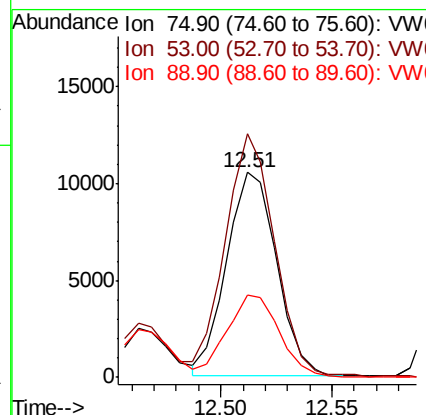
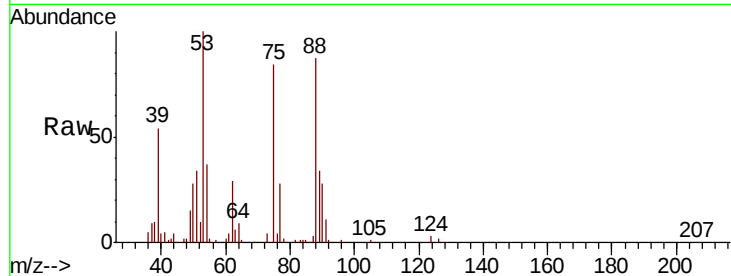




#81
trans-1,4-Dichloro-2-butene
Concen: 18.535 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW010704.D
Acq: 06 Jun 2019 12:36

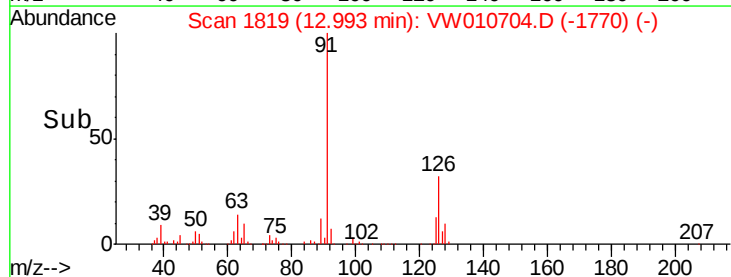
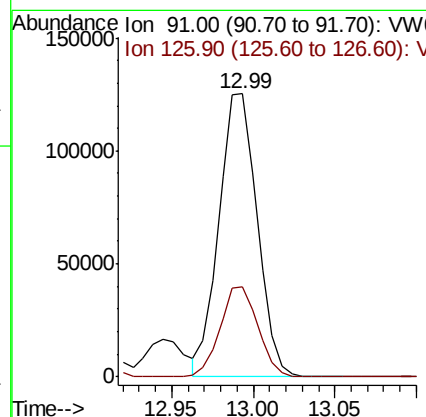
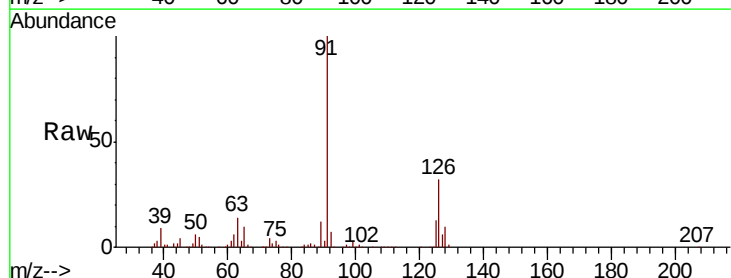
Instrument :
MSVOA_W
ClientSampleId :
VW0606SBSD01

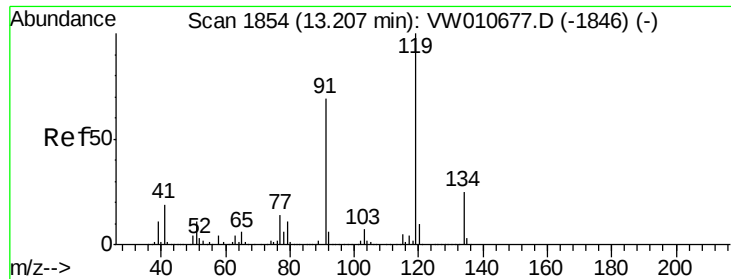
Tot Ion: 75 Resp: 16396
Ion Ratio Lower Upper
75 100
53 118.3 90.1 135.1
89 42.4 34.6 52.0



#82
4-Chlorotoluene
Concen: 19.770 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW010704.D
Acq: 06 Jun 2019 12:36

Tgt Ion: 91 Resp: 204476
Ion Ratio Lower Upper
91 100
126 31.8 15.9 47.7

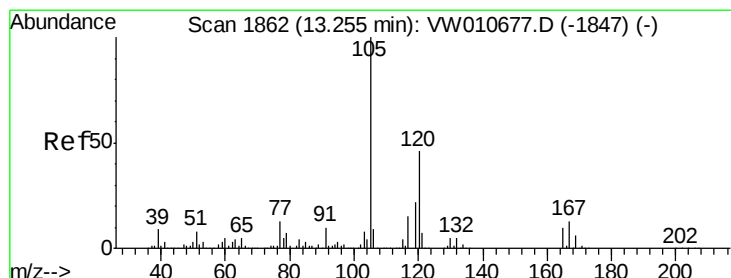
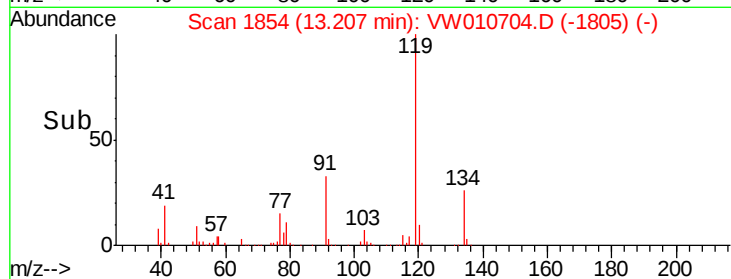
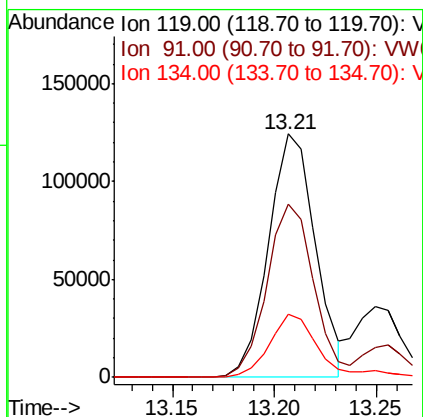
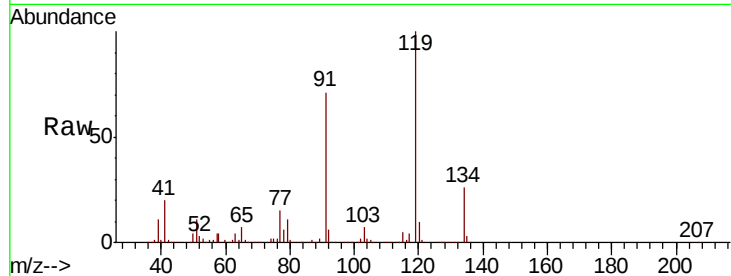




#83
tert-Butylbenzene
Concen: 19.706 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW010704.D
Acq: 06 Jun 2019 12:36

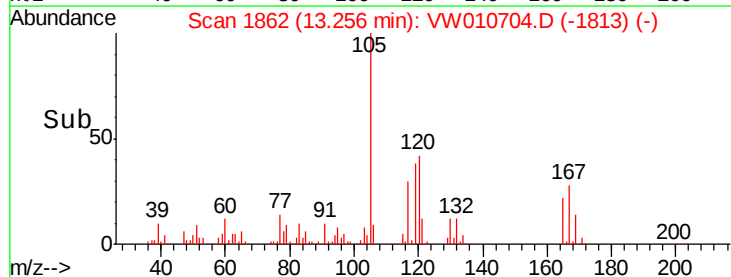
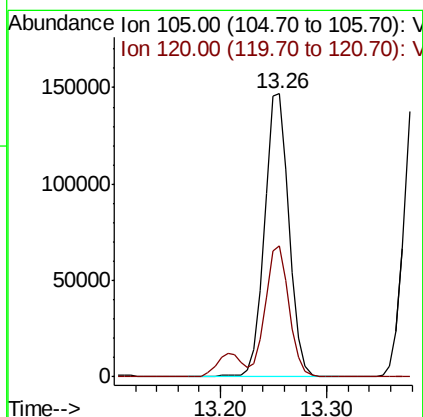
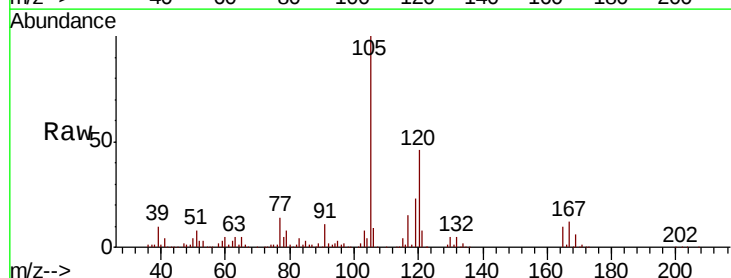
Instrument :
MSVOA_W
ClientSampleId :
VW0606SBSD01

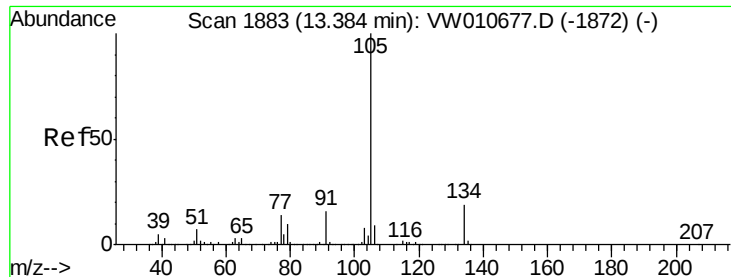
Tot Ion:119 Resp: 199155
Ion Ratio Lower Upper
119 100
91 71.5 35.1 105.3
134 27.3 13.6 40.7



#84
1,2,4-Trimethylbenzene
Concen: 19.705 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW010704.D
Acq: 06 Jun 2019 12:36

Tgt Ion:105 Resp: 236121
Ion Ratio Lower Upper
105 100
120 44.9 22.5 67.5





#85

sec-Butylbenzene

Concen: 19.774 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW010704.D

Acq: 06 Jun 2019 12:36

Instrument :

MSVOA_W

ClientSampleId :

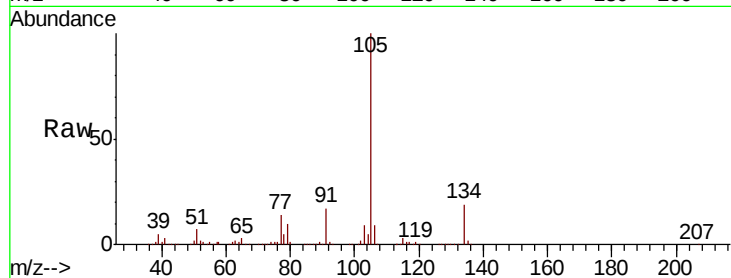
VW0606SBSD01

Tot Ion:105 Resp: 290964

Ion Ratio Lower Upper

105 100

134 19.3 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

200000

150000

100000

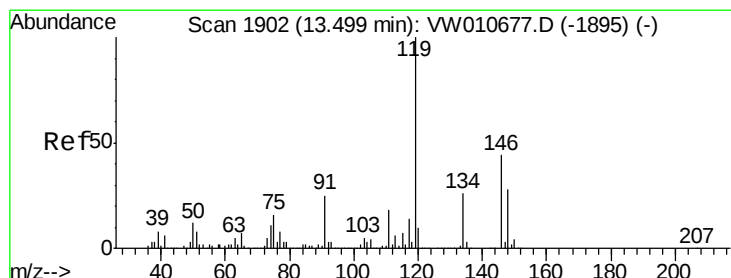
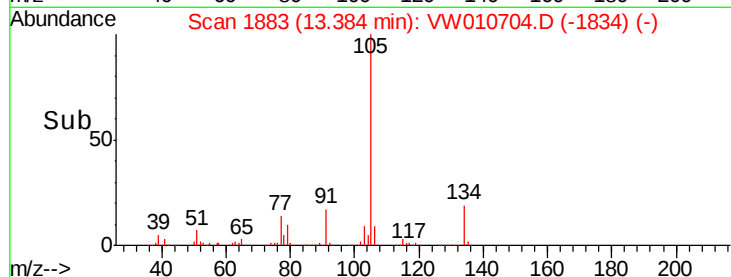
50000

0

Time-->

13.30

13.40



#86

p-Isopropyltoluene

Concen: 19.850 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010704.D

Acq: 06 Jun 2019 12:36

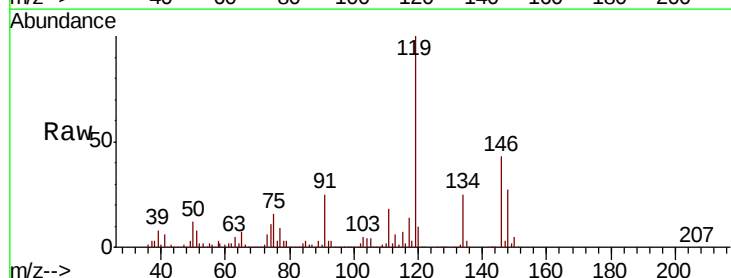
Tgt Ion:119 Resp: 261189

Ion Ratio Lower Upper

119 100

134 25.8 13.0 39.0

91 24.8 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

200000

150000

100000

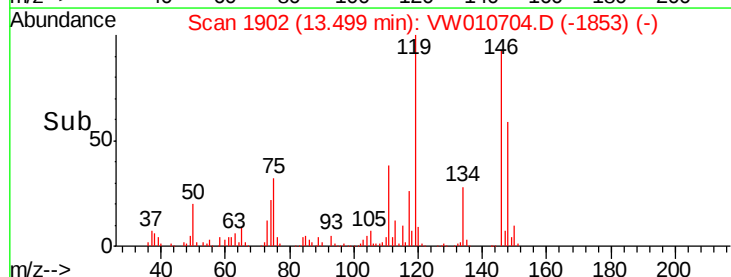
50000

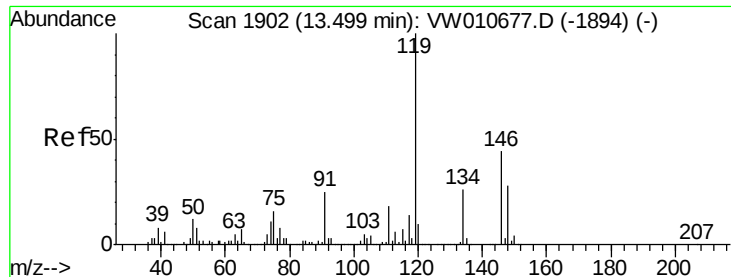
0

Time-->

13.45

13.55





#87

1,3-Dichlorobenzene

Concen: 19.714 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010704.D

Acq: 06 Jun 2019 12:36

Instrument :

MSVOA_W

ClientSampleId :

VW0606SBSD01

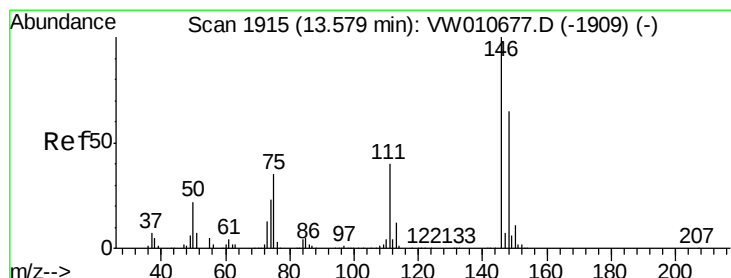
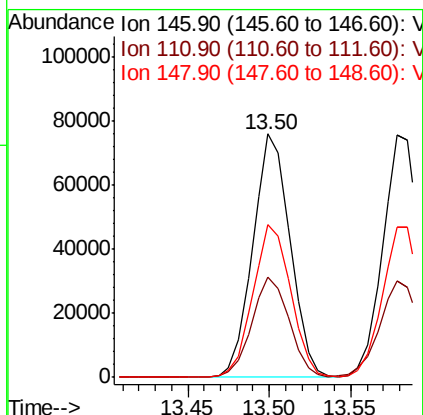
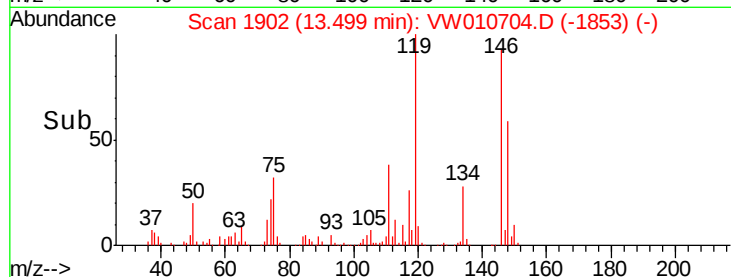
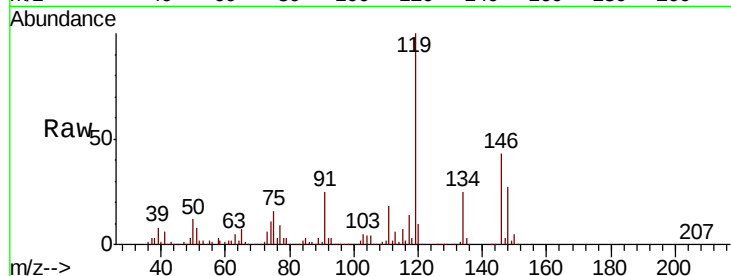
Tot Ion:146 Resp: 120734

Ion Ratio Lower Upper

146 100

111 41.3 20.4 61.3

148 63.6 31.5 94.5



#88

1,4-Dichlorobenzene

Concen: 19.804 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW010704.D

Acq: 06 Jun 2019 12:36

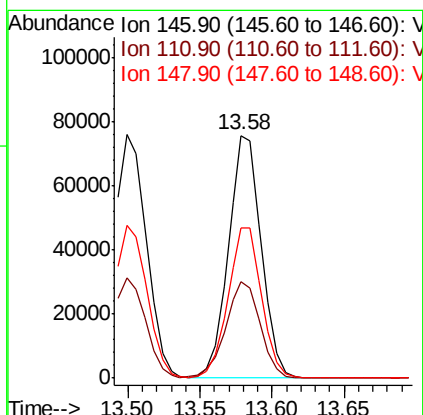
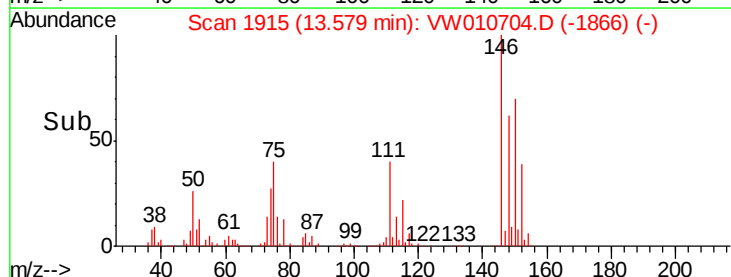
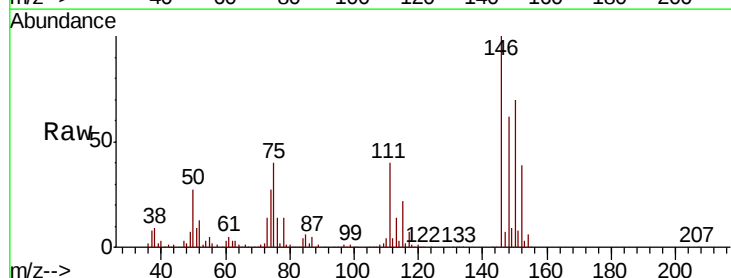
Tgt Ion:146 Resp: 120237

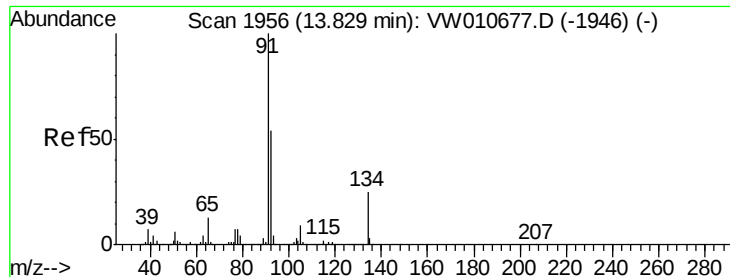
Ion Ratio Lower Upper

146 100

111 42.0 20.3 60.9

148 63.6 32.4 97.2





#89

n-Butylbenzene

Concen: 20.189 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW010704.D

Acq: 06 Jun 2019 12:36

Instrument :

MSVOA_W

ClientSampleId :

VW0606SBSD01

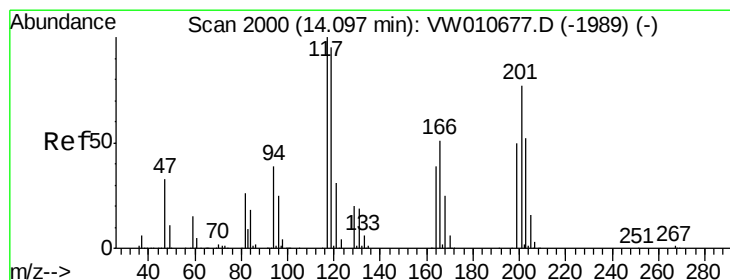
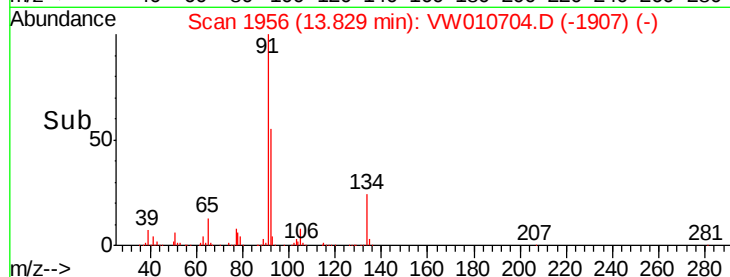
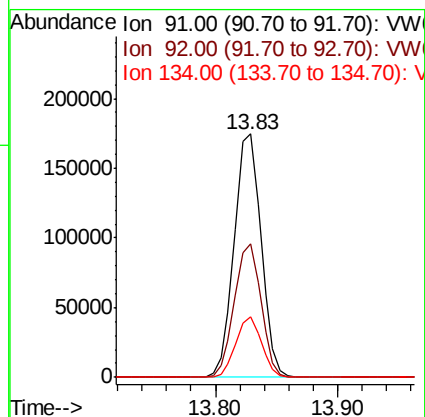
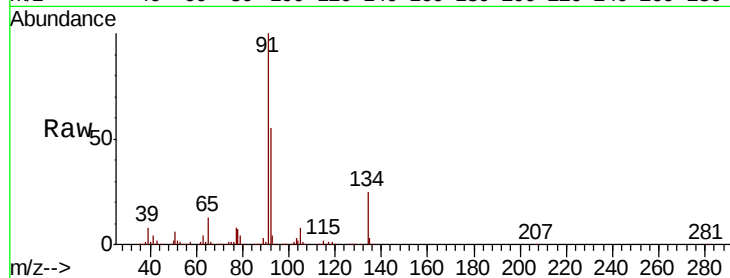
Tot Ion: 91 Resp: 265055

Ion Ratio Lower Upper

91 100

92 54.6 27.3 81.8

134 23.8 12.3 36.9



#90

Hexachloroethane

Concen: 19.503 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW010704.D

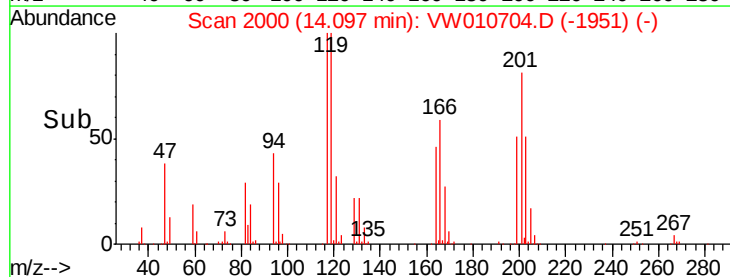
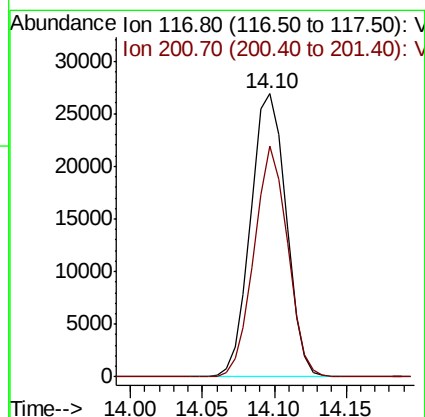
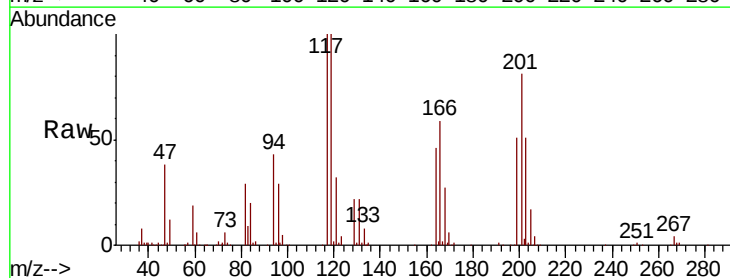
Acq: 06 Jun 2019 12:36

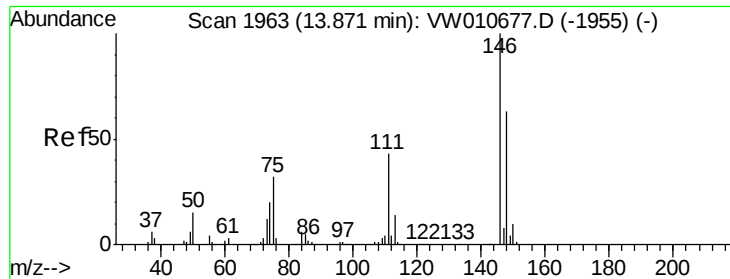
Tgt Ion: 117 Resp: 45957

Ion Ratio Lower Upper

117 100

201 76.9 38.8 116.4





#91

1,2-Dichlorobenzene

Concen: 19.379 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW010704.D

Acq: 06 Jun 2019 12:36

Instrument :

MSVOA_W

ClientSampled :

VW0606SBSD01

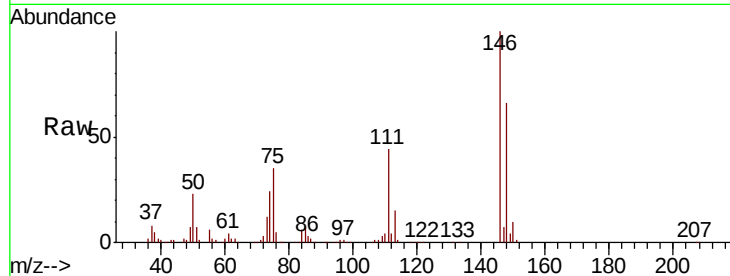
Tot Ion:146 Resp: 106728

Ion Ratio Lower Upper

146 100

111 43.8 21.5 64.5

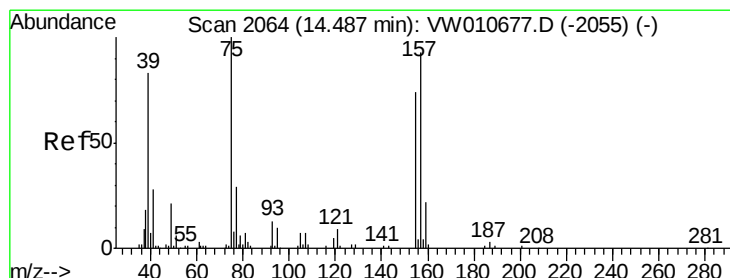
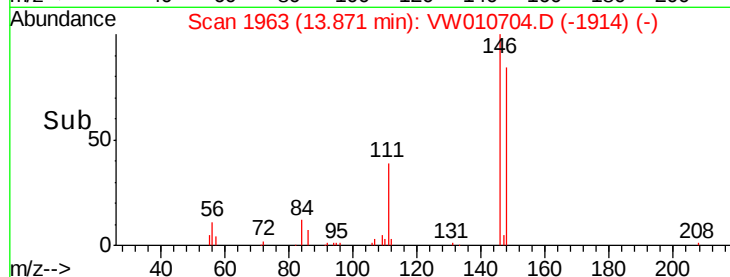
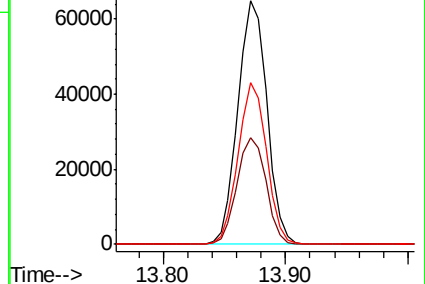
148 64.9 31.9 95.5



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: 19.129 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW010704.D

Acq: 06 Jun 2019 12:36

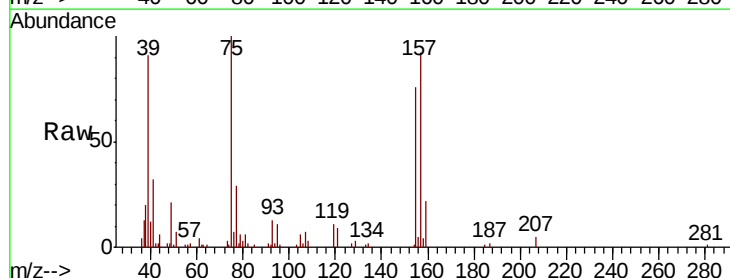
Tgt Ion: 75 Resp: 9098

Ion Ratio Lower Upper

75 100

155 76.4 38.8 116.4

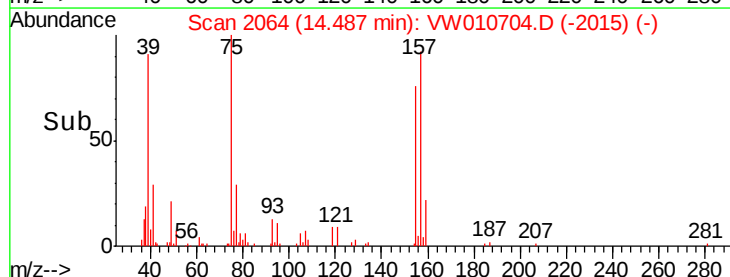
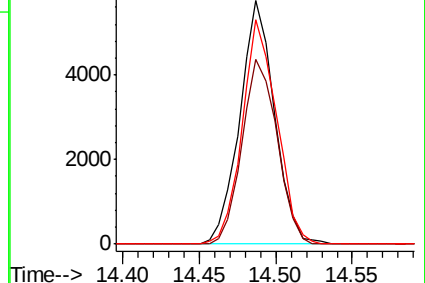
157 91.1 48.4 145.0

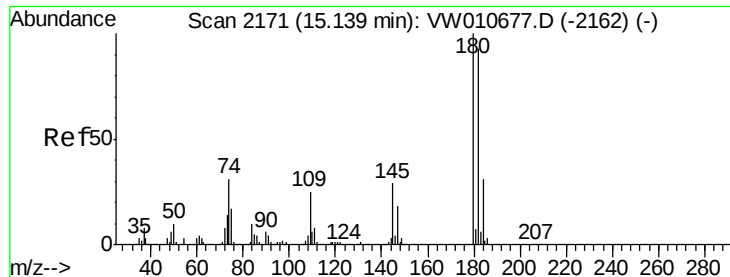


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

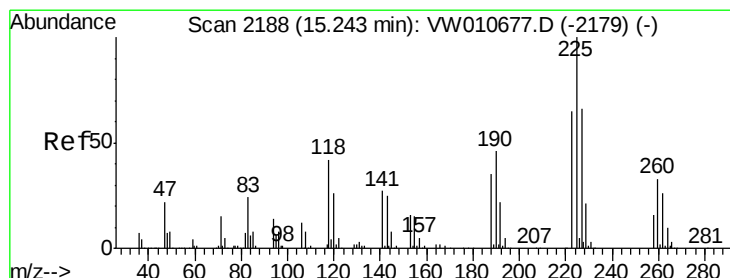
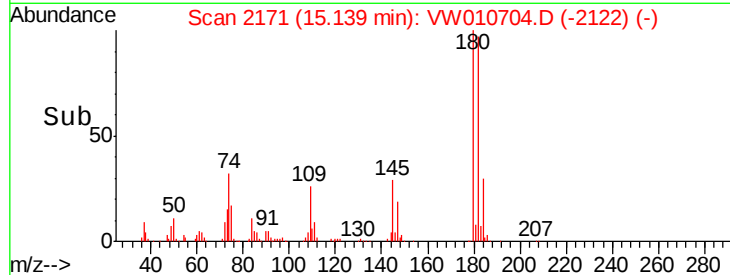
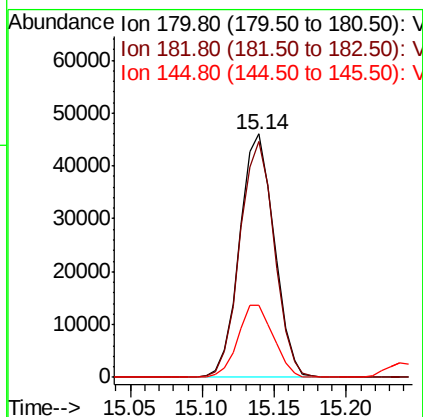
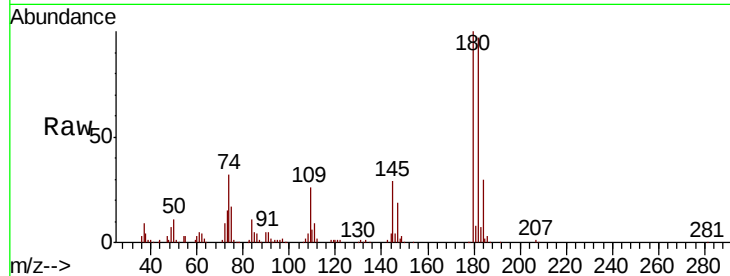




#93
 1,2,4-Trichlorobenzene
 Concen: 19.873 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010704.D
 Acq: 06 Jun 2019 12:36

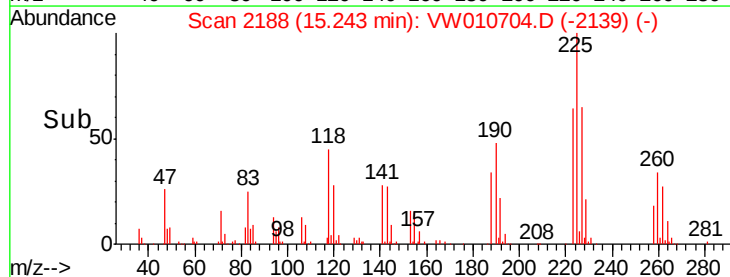
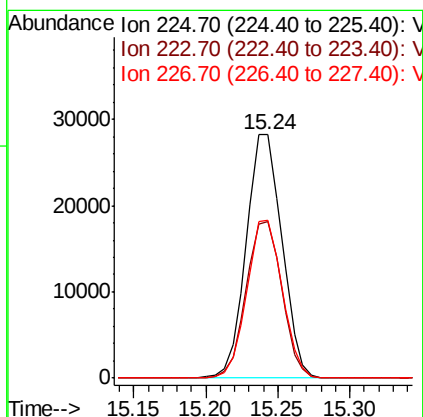
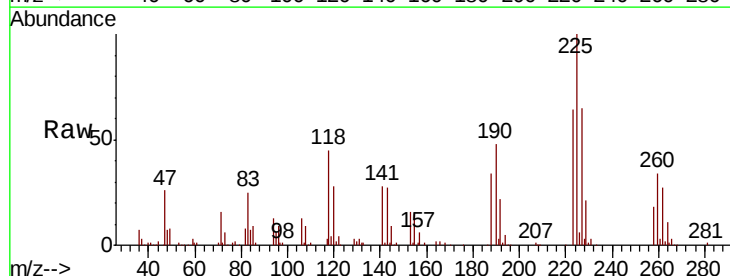
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0606SBSD01

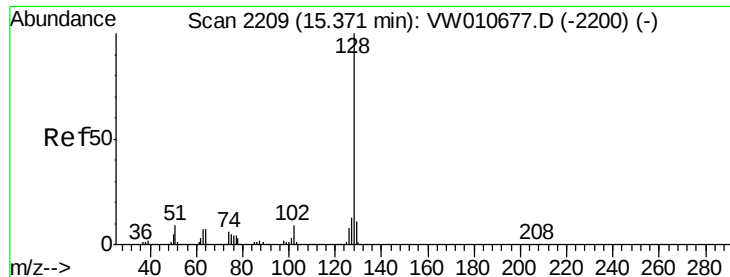
Tot Ion:180 Resp: 76805
 Ion Ratio Lower Upper
 180 100
 182 96.4 47.1 141.4
 145 30.3 15.2 45.5



#94
 Hexachlorobutadiene
 Concen: 19.957 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW010704.D
 Acq: 06 Jun 2019 12:36

Tgt Ion:225 Resp: 48408
 Ion Ratio Lower Upper
 225 100
 223 64.3 32.2 96.6
 227 64.2 32.0 96.0





#95

Naphthalene

Concen: 18.818 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010704.D

Acq: 06 Jun 2019 12:36

Instrument :

MSVOA_W

ClientSampleId :

VW0606SBSD01

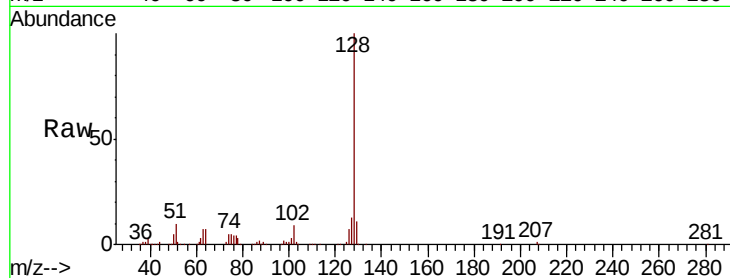
Tot Ion:128 Resp: 132140

Ion Ratio Lower Upper

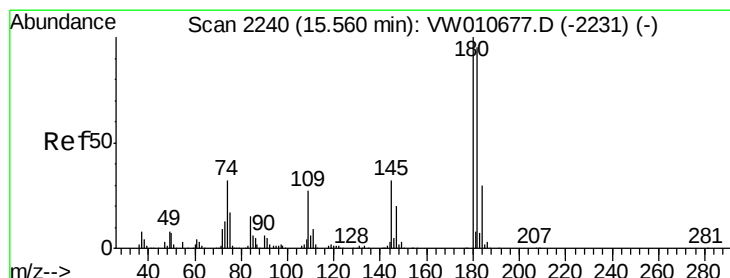
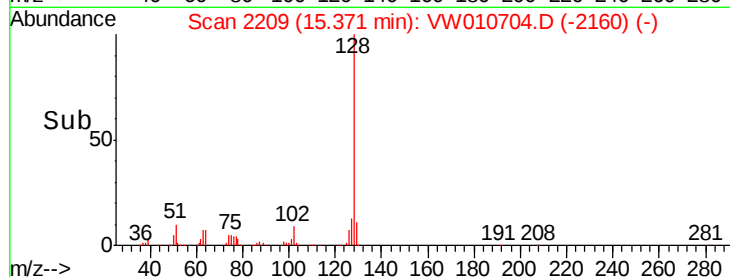
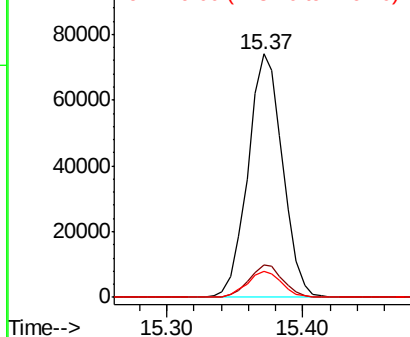
128 100

127 13.2 10.6 15.8

129 10.7 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: 19.793 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW010704.D

Acq: 06 Jun 2019 12:36

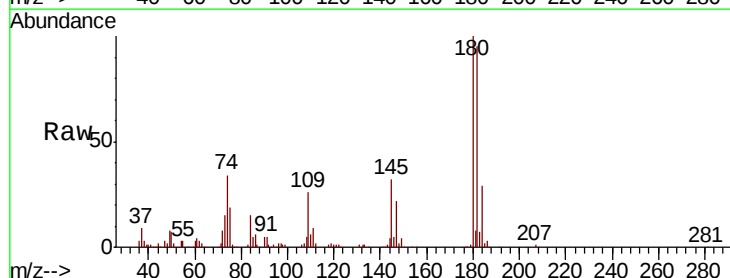
Tgt Ion:180 Resp: 65057

Ion Ratio Lower Upper

180 100

182 95.4 47.0 141.0

145 32.5 16.1 48.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

