

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062019\
 Data File : VW010885.D
 Acq On : 20 Jun 2019 12:00
 Operator : SY/VA
 Sample : VW0620SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 21 07:45:28 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	252825	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	412520	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	364355	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	173410	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	142923	47.96	ug/l	0.00
Spiked Amount			Recovery	=	95.92%	
35) Dibromofluoromethane	7.88	113	106912	47.75	ug/l	0.00
Spiked Amount			Recovery	=	95.50%	
50) Toluene-d8	10.32	98	466409	47.50	ug/l	0.00
Spiked Amount			Recovery	=	95.00%	
62) 4-Bromofluorobenzene	12.62	95	172653	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	47014	20.123	ug/l	98
3) Chloromethane	2.21	50	67481	19.631	ug/l	100
4) Vinyl Chloride	2.35	62	62073	19.545	ug/l	99
5) Bromomethane	2.73	94	31977	18.335	ug/l	96
6) Chloroethane	2.87	64	37361	19.599	ug/l	98
7) Trichlorofluoromethane	3.23	101	88271	21.412	ug/l	96
8) Diethyl Ether	3.68	74	30096	20.428	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.04	101	55534	21.910	ug/l	99
10) Methyl Iodide	4.26	142	33586	16.427	ug/l	99
11) Tert butyl alcohol	5.12	59	18088	74.506	ug/l #	72
12) 1,1-Dichloroethene	4.03	96	51162	20.925	ug/l	98
13) Acrolein	3.90	56	5924	59.715	ug/l	100
14) Allyl chloride	4.66	41	115556	21.435	ug/l	98
15) Acrylonitrile	5.37	53	72522	101.325	ug/l	100
16) Acetone	4.13	43	79140	99.113	ug/l	100
17) Carbon Disulfide	4.37	76	142050	18.302	ug/l	98
18) Methyl Acetate	4.67	43	38423	22.354	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	143897	20.406	ug/l	99
20) Methylene Chloride	4.91	84	58172	20.767	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	59171	21.318	ug/l	96
22) Diisopropyl ether	6.31	45	241617	22.386	ug/l	97
23) Vinyl Acetate	6.25	43	675885	103.766	ug/l	99
24) 1,1-Dichloroethane	6.21	63	120853	22.344	ug/l	99
25) 2-Butanone	7.17	43	115084	103.942	ug/l	99
26) 2,2-Dichloropropane	7.17	77	101744	23.117	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	66588	21.800	ug/l	97
28) Bromochloromethane	7.51	49	46154	19.121	ug/l	96
29) Tetrahydrofuran	7.53	42	69973	100.475	ug/l	97
30) Chloroform	7.67	83	109197	22.072	ug/l	99
31) Cyclohexane	7.95	56	128875	21.434	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	94812	21.939	ug/l	99
36) 1,1-Dichloropropene	8.08	75	92936	22.009	ug/l	99
37) Ethyl Acetate	7.25	43	48055	20.537	ug/l	99
38) Carbon Tetrachloride	8.06	117	79305	21.756	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	114334	21.300	ug/l	97
40) Benzene	8.32	78	253383	21.996	ug/l	99
41) Methacrylonitrile	7.48	41	28486	20.481	ug/l	98
42) 1,2-Dichloroethane	8.40	62	79443	21.729	ug/l	99
43) Isopropyl Acetate	8.42	43	91663	20.277	ug/l	100
44) Trichloroethene	9.09	130	61870	21.773	ug/l	97
45) 1,2-Dichloropropane	9.37	63	67295	22.068	ug/l	97
46) Dibromomethane	9.46	93	29676	20.952	ug/l	98
47) Bromodichloromethane	9.64	83	77123	21.006	ug/l	99
48) Methyl methacrylate	9.43	41	43638	20.021	ug/l	99
49) 1,4-Dioxane	9.45	88	9046	408.507	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	232786	100.798	ug/l	99
52) Toluene	10.38	92	156136	22.029	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	79552	20.457	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	96739	21.141	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	42761	20.957	ug/l	97
56) Ethyl methacrylate	10.65	69	62648	19.954	ug/l	96
57) 1,3-Dichloropropane	10.93	76	81754	21.261	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	169104	102.832	ug/l	99
59) 2-Hexanone	10.97	43	164644	98.643	ug/l	98
60) Dibromochloromethane	11.13	129	44457	19.655	ug/l	100
61) 1,2-Dibromoethane	11.24	107	39535	20.450	ug/l	99
64) Tetrachloroethene	10.86	164	51160	21.148	ug/l	97
65) Chlorobenzene	11.66	112	155129	21.651	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	52504	21.169	ug/l	98
67) Ethyl Benzene	11.73	91	303717	22.056	ug/l	99
68) m/p-Xylenes	11.84	106	218463	44.319	ug/l	100
69) o-Xylene	12.16	106	102085	21.836	ug/l	96
70) Styrene	12.18	104	175175	21.570	ug/l	100
71) Bromoform	12.35	173	23213	18.096	ug/l #	96
73) Isopropylbenzene	12.46	105	287096	22.032	ug/l	100
74) N-amyl acetate	12.27	43	83480	19.822	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	49881	20.107	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	66005	36.246	ug/l #	100
77) Bromobenzene	12.75	156	60992	21.442	ug/l	98
78) n-propylbenzene	12.80	91	351624	22.378	ug/l	100
79) 2-Chlorotoluene	12.90	91	198991	22.167	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	235527	22.082	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	14197	17.918	ug/l	93
82) 4-Chlorotoluene	12.99	91	205923	22.228	ug/l	99
83) tert-Butylbenzene	13.21	119	200468	22.146	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	233474	21.752	ug/l	98
85) sec-Butylbenzene	13.38	105	290817	22.066	ug/l	100
86) p-Isopropyltoluene	13.50	119	255856	21.709	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	119966	21.870	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	117156	21.543	ug/l	98
89) n-Butylbenzene	13.83	91	260049	22.114	ug/l	98
90) Hexachloroethane	14.10	117	43224	20.479	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	104246	21.132	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8149	19.129	ug/l	92

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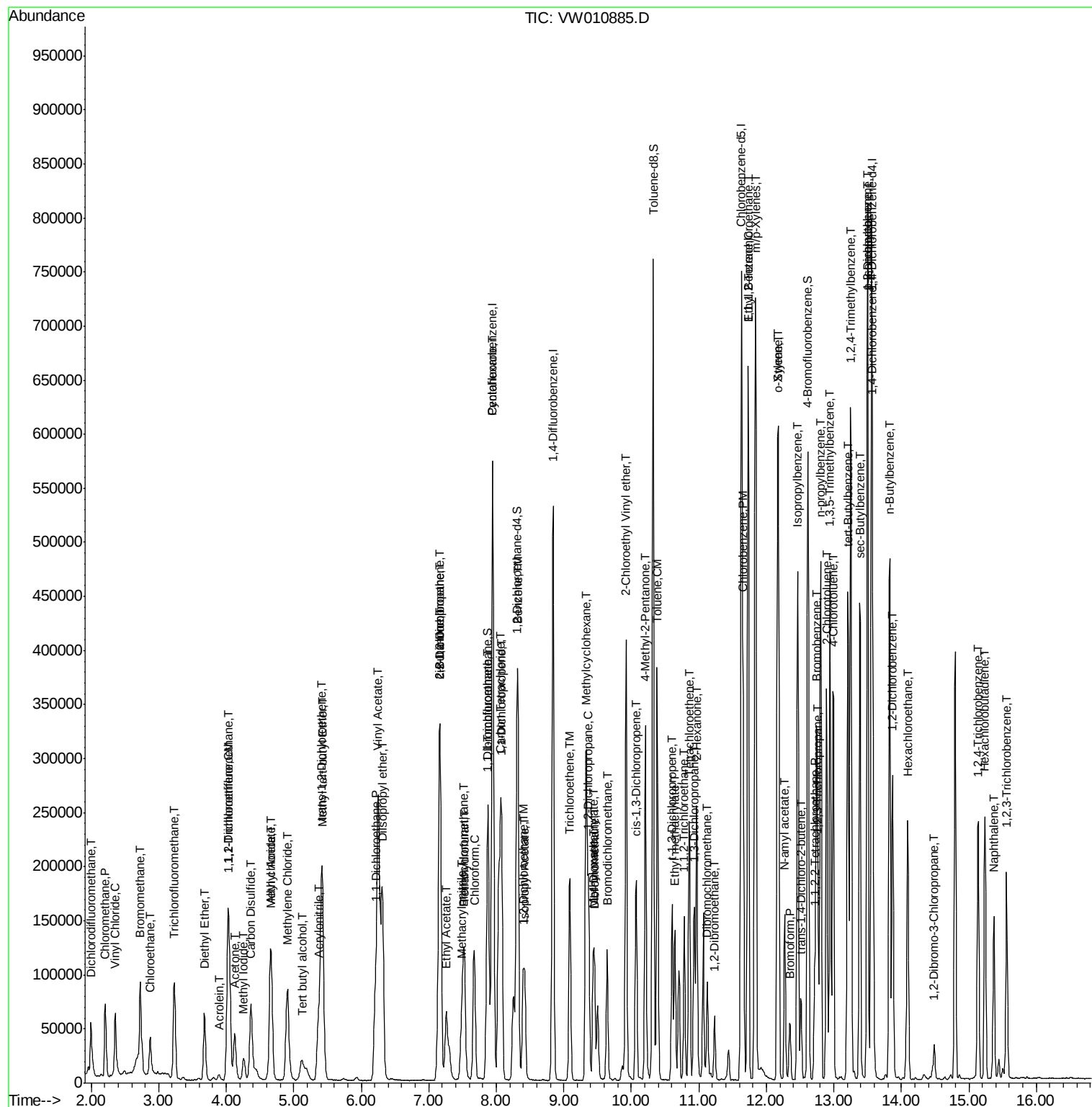
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	72466	20.933	ug/l	99
94) Hexachlorobutadiene	15.24	225	45525	20.954	ug/l	99
95) Naphthalene	15.37	128	121862	19.375	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	61634	20.935	ug/l	99

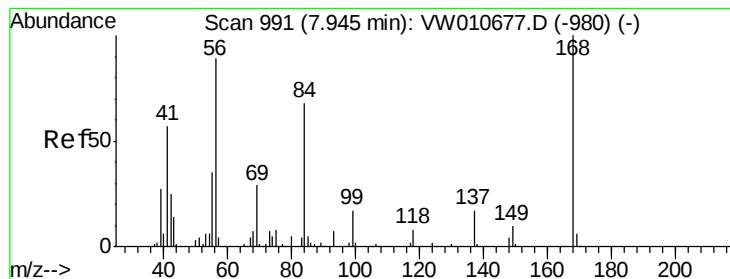
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062019\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010885.D

Acq: 20 Jun 2019 12:00

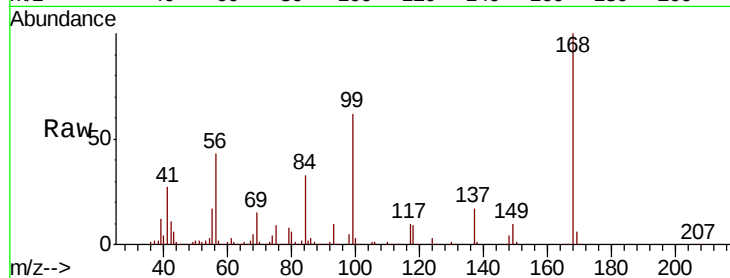
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 252825

Ion Ratio Lower Upper

168 100

99 61.6 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

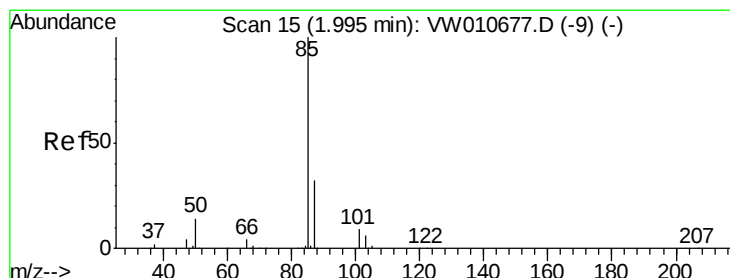
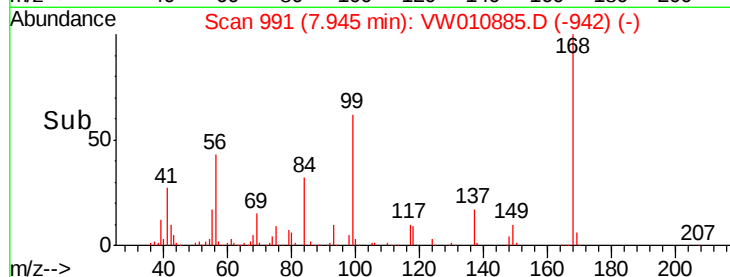
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.123 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.00 min

Lab File: VW010885.D

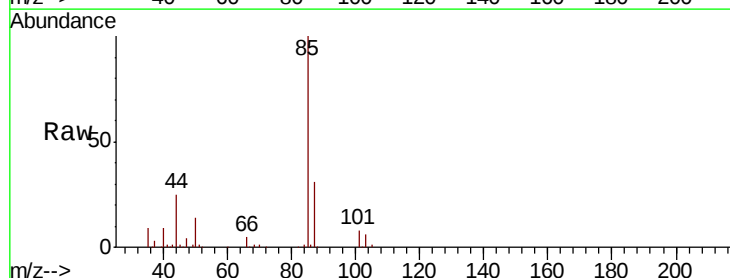
Acq: 20 Jun 2019 12:00

Tgt Ion: 85 Resp: 47014

Ion Ratio Lower Upper

85 100

87 31.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

25000

20000

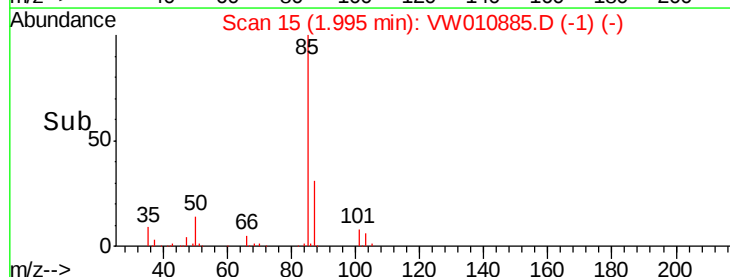
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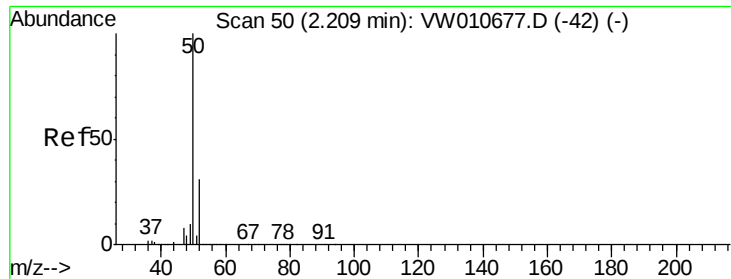
10000

5000

0

Time-->





#3

Chloromethane

Concen: 19.631 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW010885.D

Acq: 20 Jun 2019 12:00

Instrument :

MSVOA_W

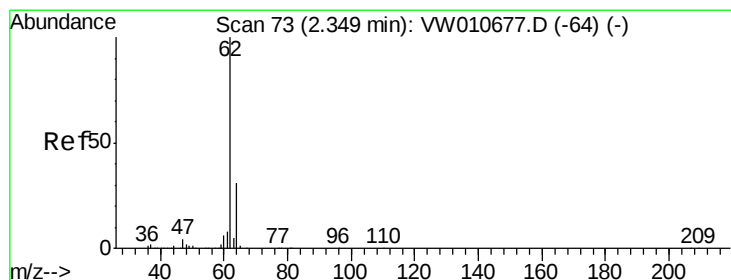
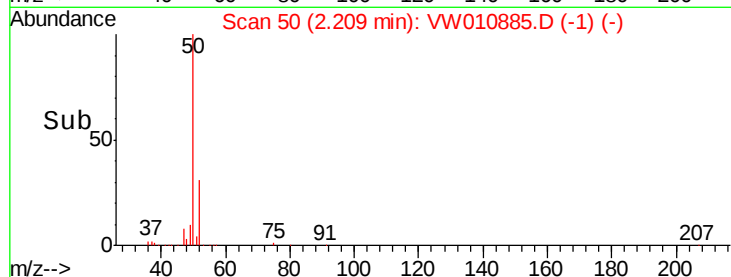
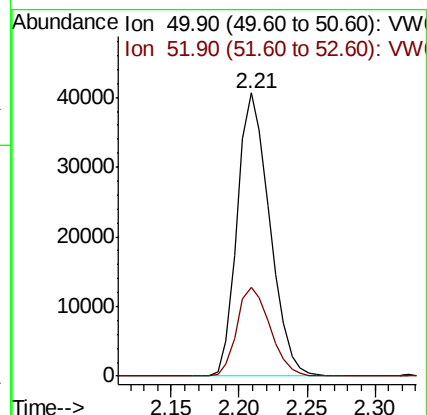
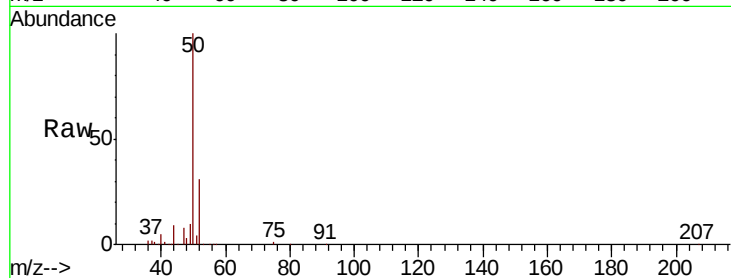
ClientSampleId :

Tot Ion: 50 Resp: 67481

Ion Ratio Lower Upper

50 100

52 31.3 25.2 37.8



#4

Vinyl Chloride

Concen: 19.545 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.01 min

Lab File: VW010885.D

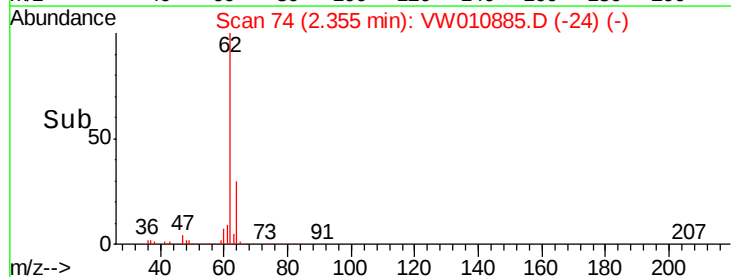
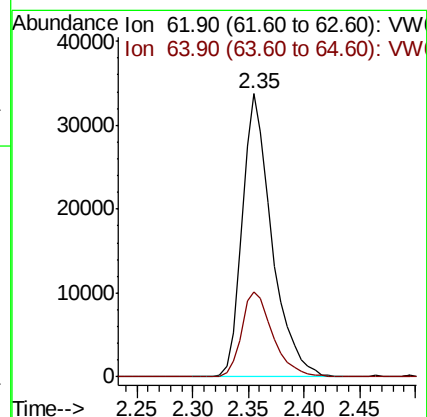
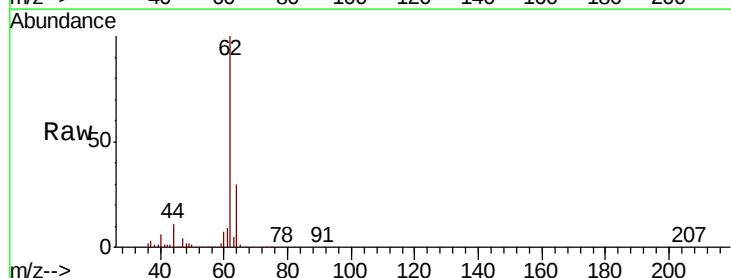
Acq: 20 Jun 2019 12:00

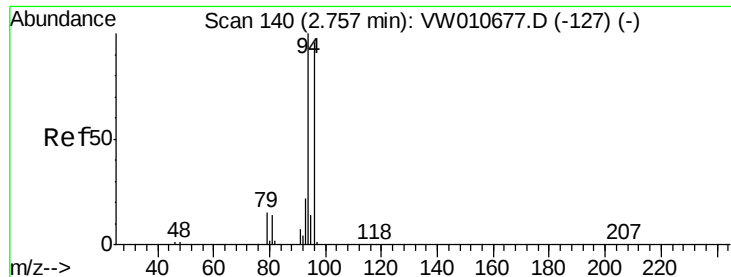
Tgt Ion: 62 Resp: 62073

Ion Ratio Lower Upper

62 100

64 30.0 24.5 36.7





#5

Bromomethane

Concen: 18.335 ug/l

RT: 2.73 min Scan# 135

Delta R.T. -0.03 min

Lab File: VW010885.D

Acq: 20 Jun 2019 12:00

Instrument :

MSVOA_W

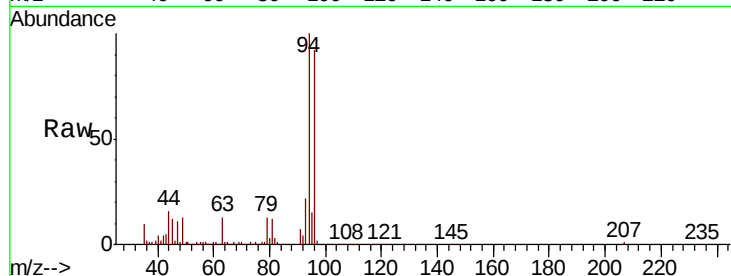
ClientSampled :

Tot Ion: 94 Resp: 31977

Ion Ratio Lower Upper

94 100

96 91.8 76.5 114.7



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.73

25000

20000

15000

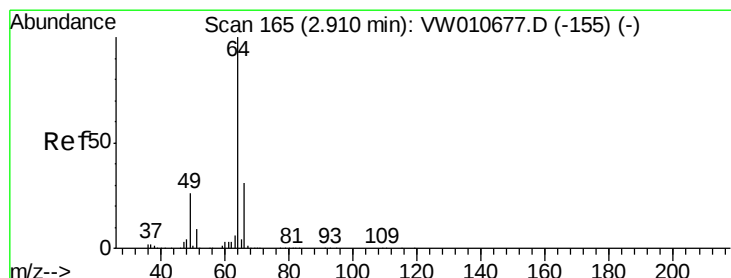
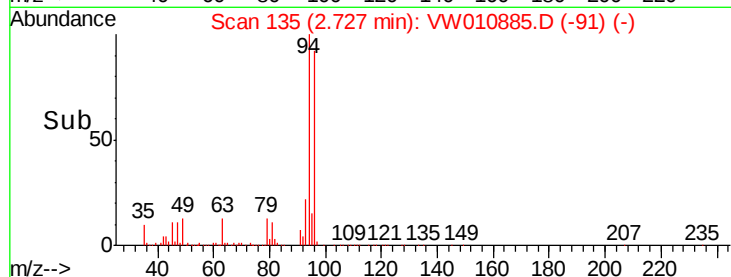
10000

5000

0

Time-->

2.60 2.70 2.80



#6

Chloroethane

Concen: 19.599 ug/l

RT: 2.87 min Scan# 159

Delta R.T. -0.04 min

Lab File: VW010885.D

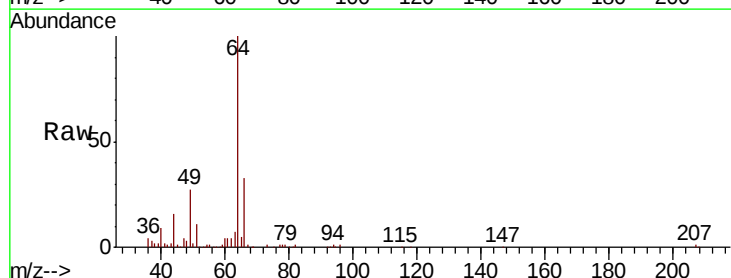
Acq: 20 Jun 2019 12:00

Tgt Ion: 64 Resp: 37361

Ion Ratio Lower Upper

64 100

66 32.5 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.87

15000

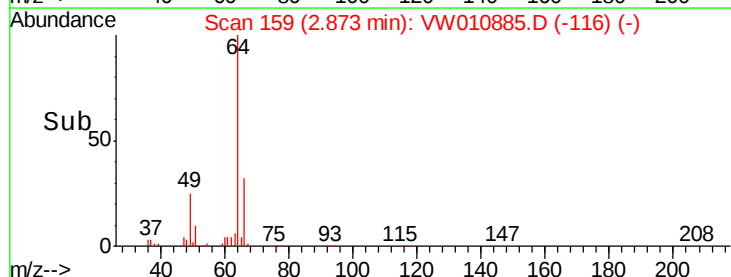
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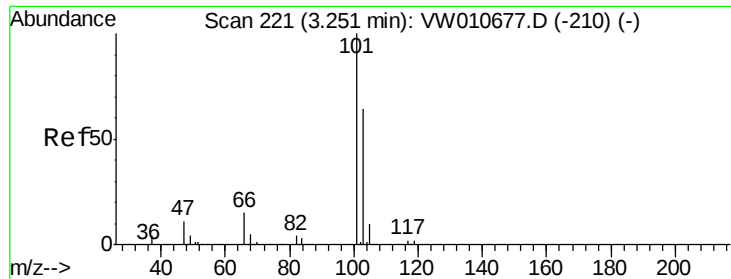
5000

0

Time-->

2.80 2.90 3.00



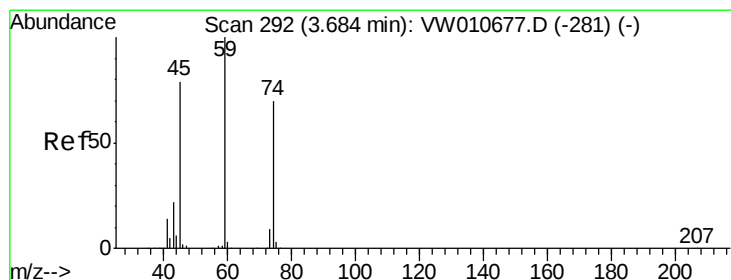
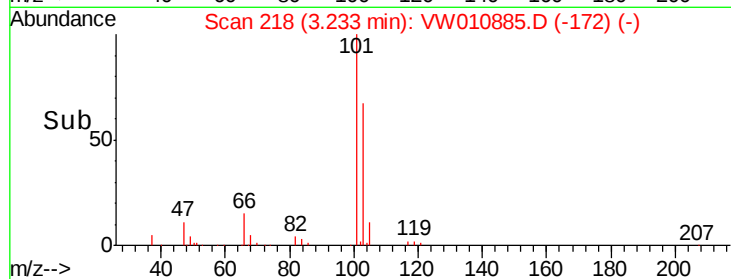
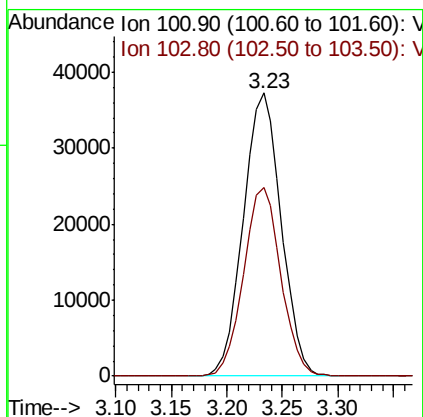
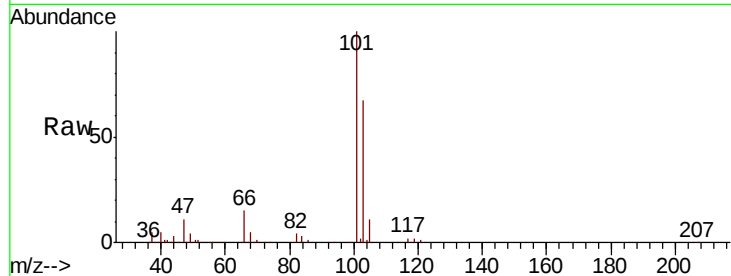


#7

Trichlorofluoromethane
Concen: 21.412 ug/l
RT: 3.23 min Scan# 218
Delta R.T. -0.02 min
Lab File: VW010885.D
Acq: 20 Jun 2019 12:00

Instrument :
MSVOA_W
ClientSampled :

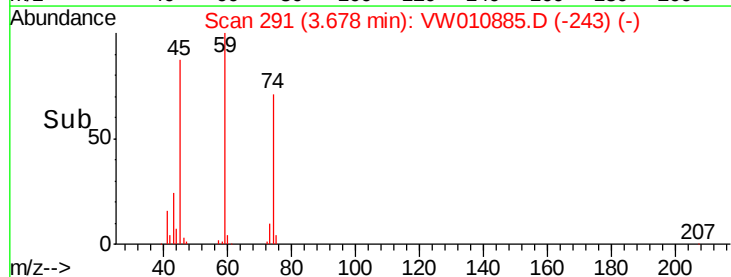
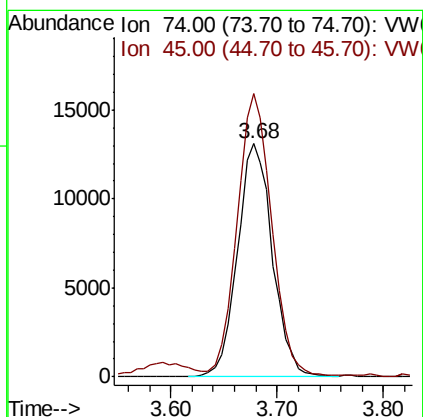
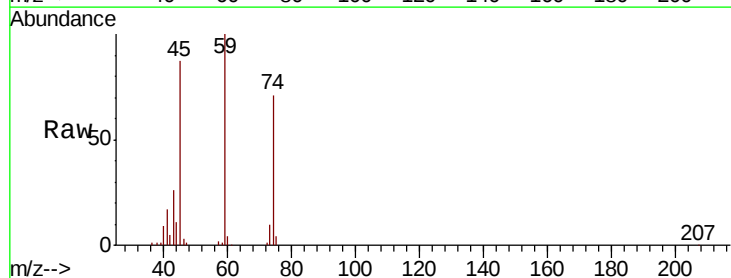
Tot Ion:101 Resp: 88271
Ion Ratio Lower Upper
101 100
103 66.8 51.2 76.8

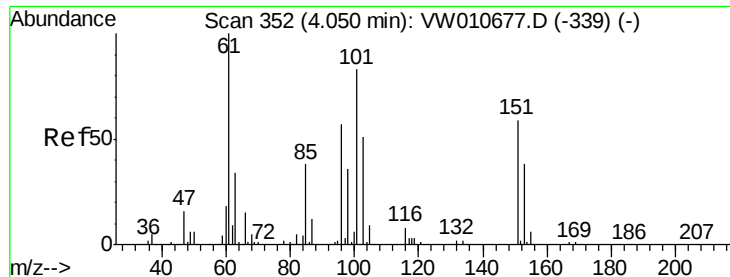


#8

Diethyl Ether
Concen: 20.428 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW010885.D
Acq: 20 Jun 2019 12:00

Tgt Ion: 74 Resp: 30096
Ion Ratio Lower Upper
74 100
45 119.6 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.910 ug/l

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW010885.D

Acq: 20 Jun 2019 12:00

Instrument :

MSVOA_W

ClientSampleId :

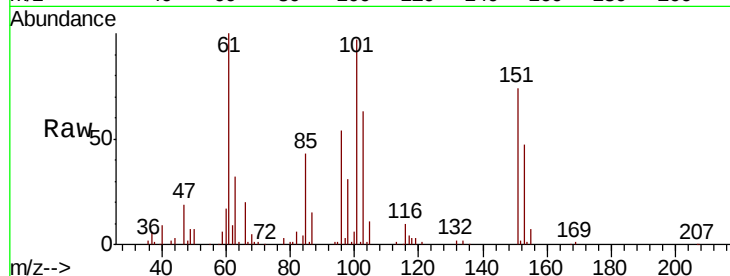
Tot Ion:101 Resp: 55534

Ion Ratio Lower Upper

101 100

85 46.0 35.8 53.8

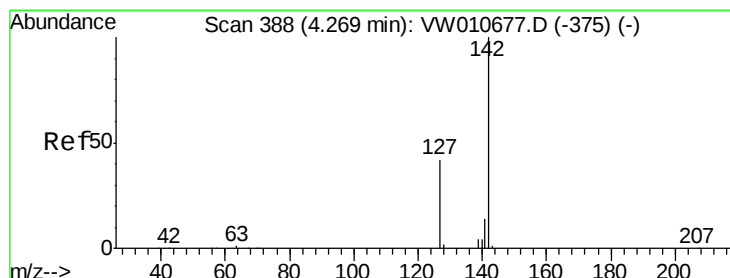
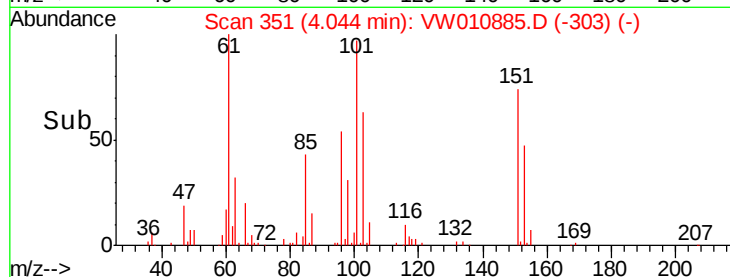
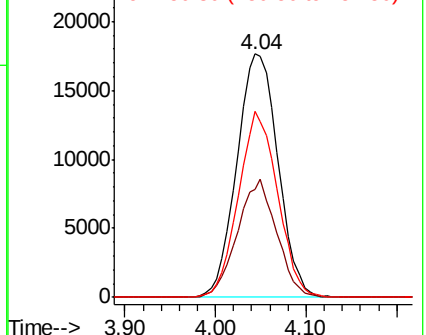
151 72.8 58.1 87.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.427 ug/l

RT: 4.26 min Scan# 386

Delta R.T. -0.01 min

Lab File: VW010885.D

Acq: 20 Jun 2019 12:00

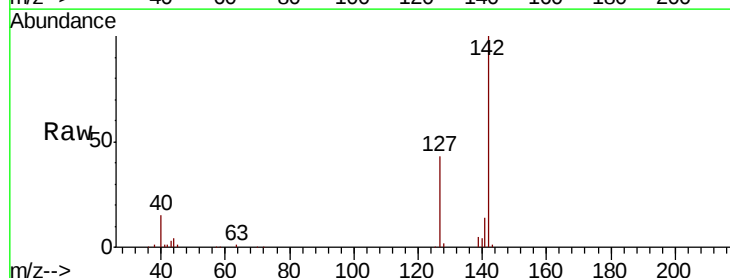
Tgt Ion:142 Resp: 33586

Ion Ratio Lower Upper

142 100

127 43.3 34.6 51.8

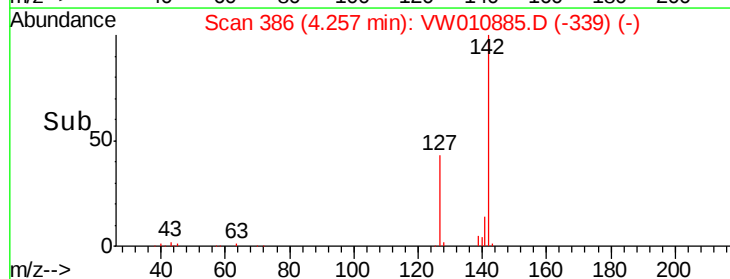
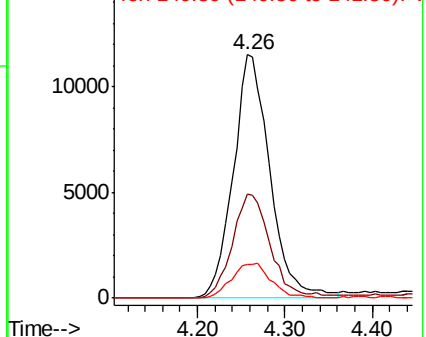
141 15.3 11.6 17.4

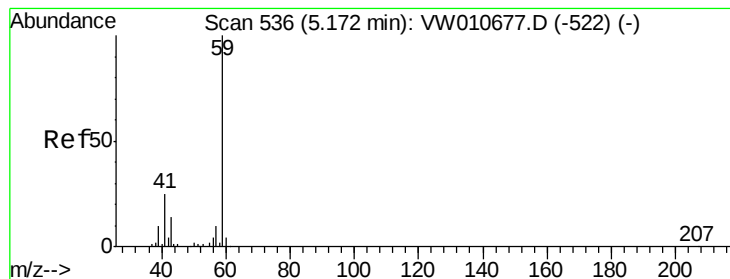


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



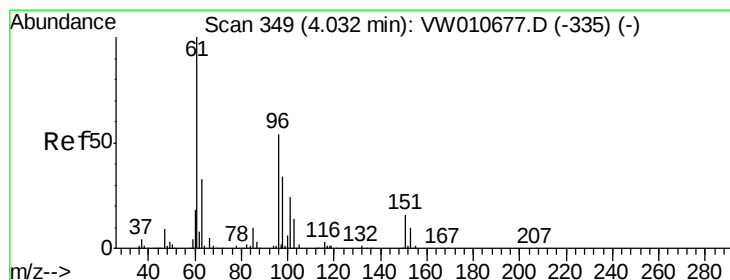
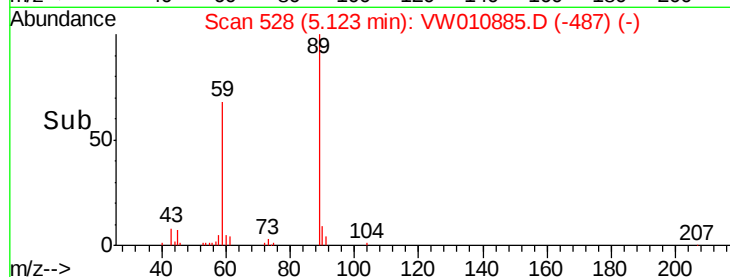
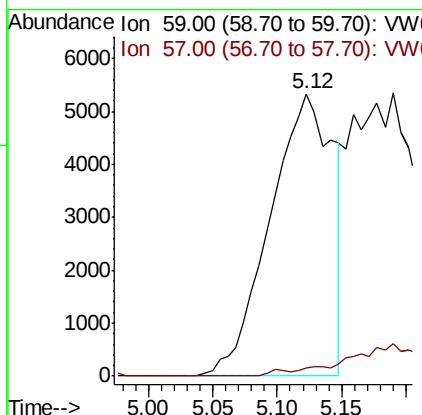
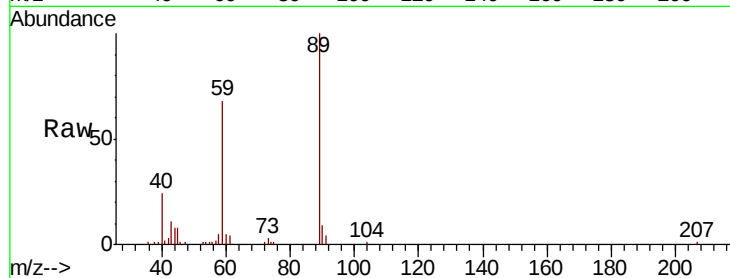


#11

Tert butyl alcohol
Concen: 74.506 ug/l
RT: 5.12 min Scan# 528
Delta R.T. -0.05 min
Lab File: VW010885.D
Acq: 20 Jun 2019 12:00

Instrument :
MSVOA_W
ClientSampleId :

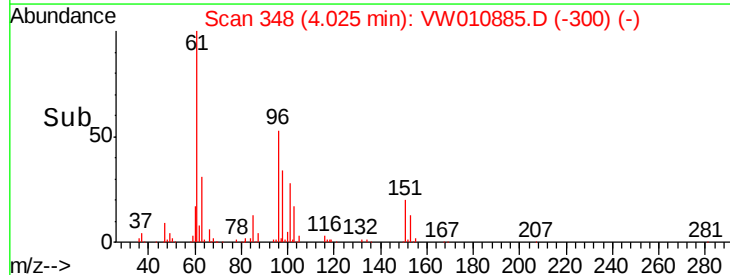
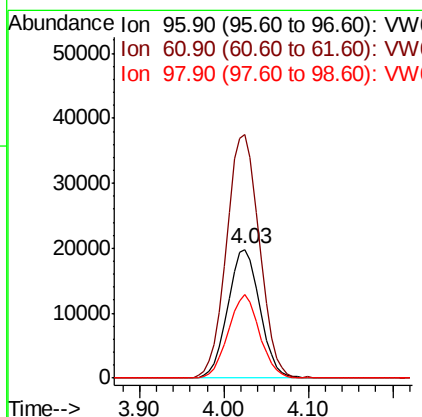
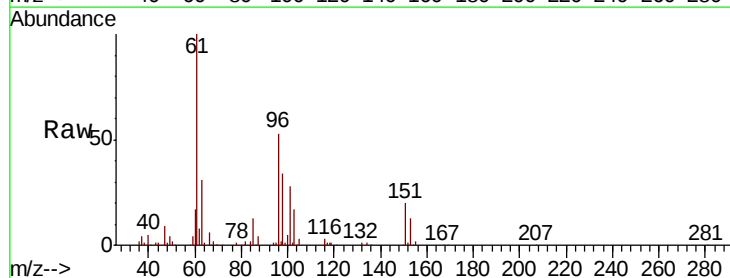
Tot Ion: 59 Resp: 18088
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

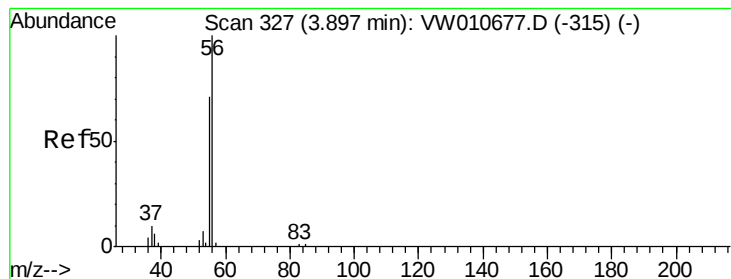


#12

1,1-Dichloroethene
Concen: 20.925 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW010885.D
Acq: 20 Jun 2019 12:00

Tgt Ion: 96 Resp: 51162
Ion Ratio Lower Upper
96 100
61 189.2 149.1 223.7
98 64.7 51.1 76.7





#13

Acrolein

Concen: 59.715 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW010885.D

Acq: 20 Jun 2019 12:00

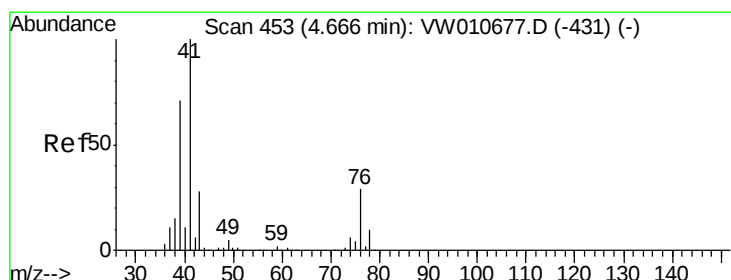
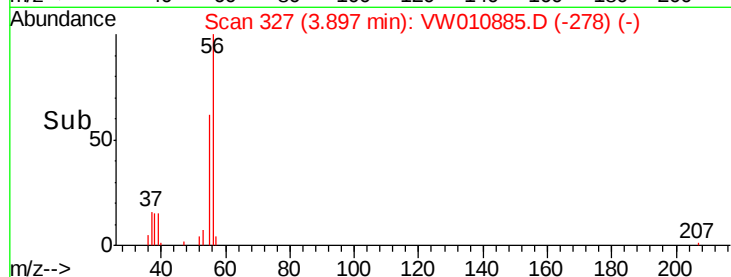
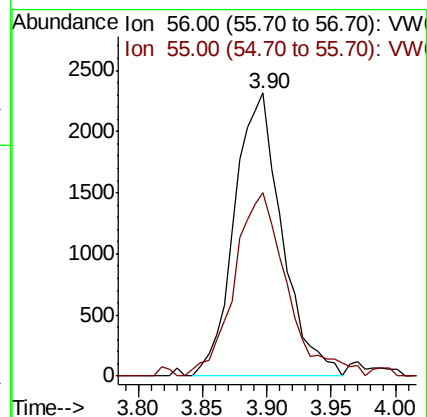
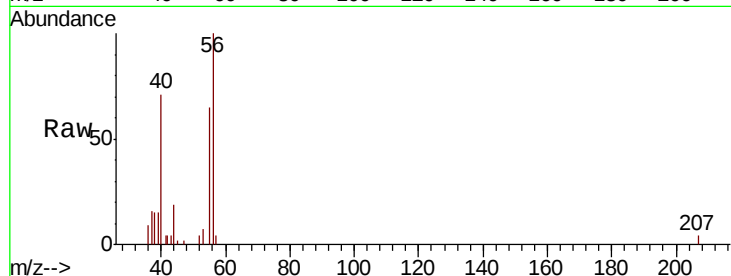
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 5924

Ion Ratio Lower Upper

56 100

55 71.9 57.6 86.4



#14

Allyl chloride

Concen: 21.435 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW010885.D

Acq: 20 Jun 2019 12:00

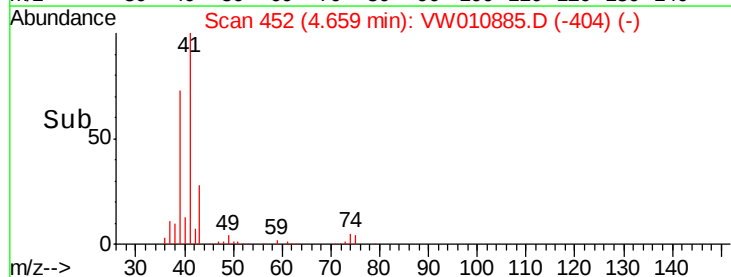
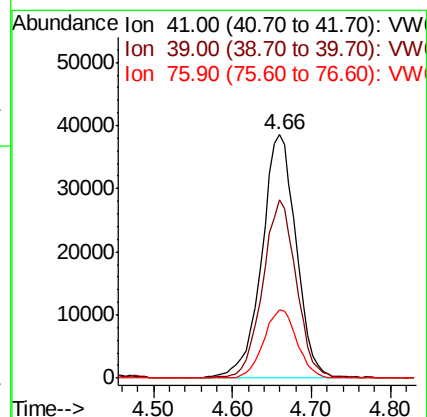
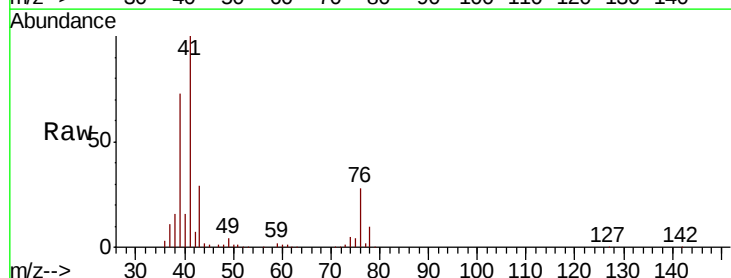
Tgt Ion: 41 Resp: 115556

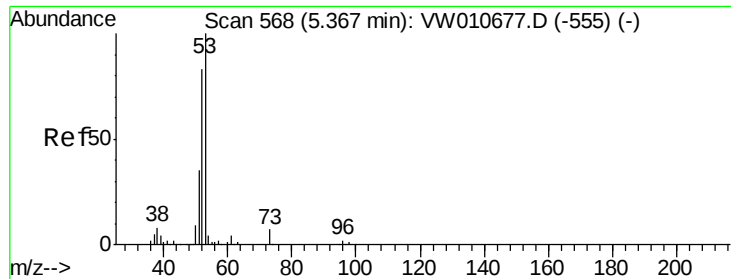
Ion Ratio Lower Upper

41 100

39 71.3 55.8 83.6

76 27.6 22.7 34.1





#15

Acrylonitrile

Concen: 101.325 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010885.D

Acq: 20 Jun 2019 12:00

Instrument :

MSVOA_W

ClientSampleId :

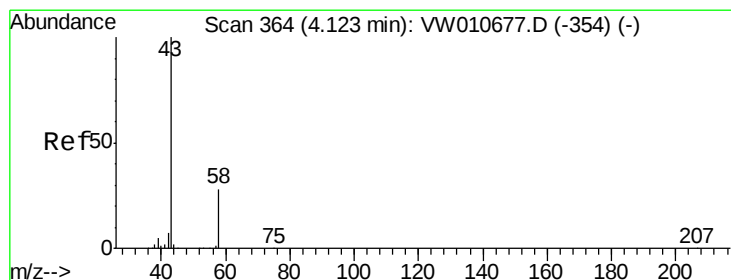
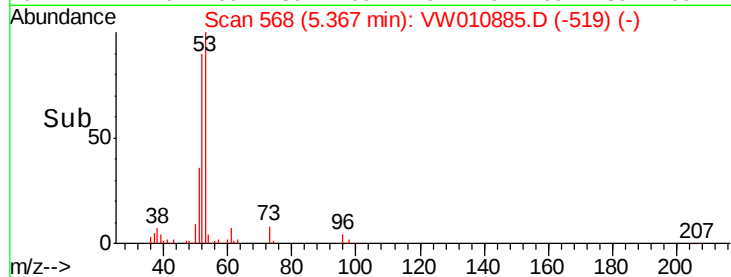
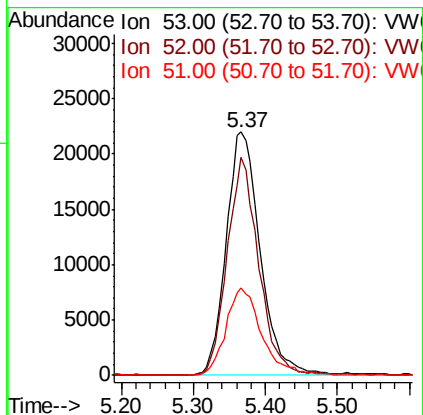
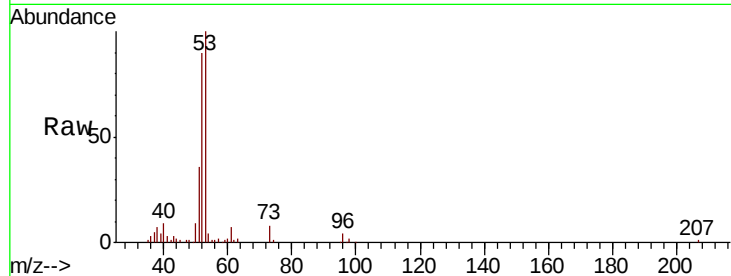
Tot Ion: 53 Resp: 72522

Ion Ratio Lower Upper

53 100

52 82.9 66.6 100.0

51 37.5 29.8 44.8



#16

Acetone

Concen: 99.113 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010885.D

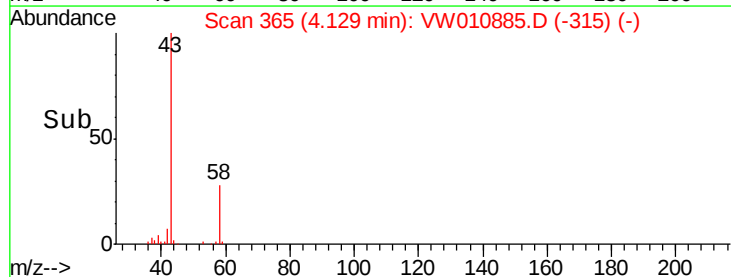
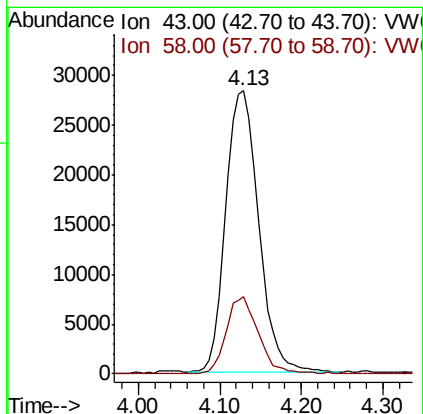
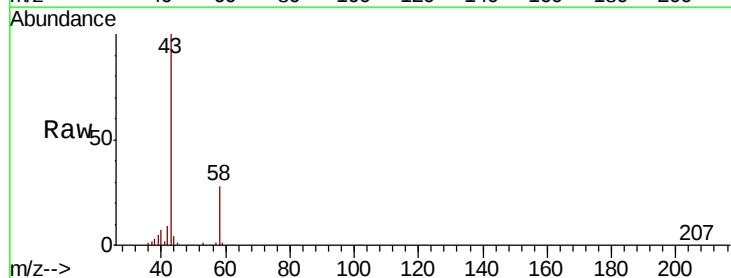
Acq: 20 Jun 2019 12:00

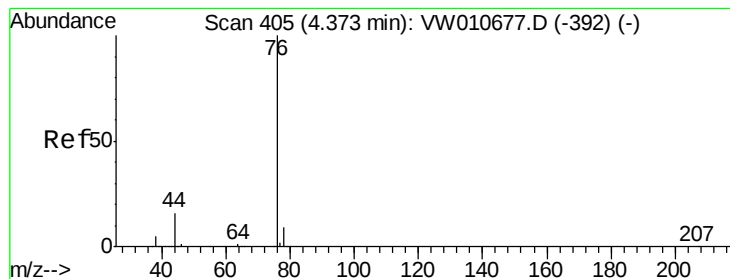
Tgt Ion: 43 Resp: 79140

Ion Ratio Lower Upper

43 100

58 27.7 22.1 33.1





#17

Carbon Disulfide

Concen: 18.302 ug/l

RT: 4.37 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW010885.D

Acq: 20 Jun 2019 12:00

Instrument :

MSVOA_W

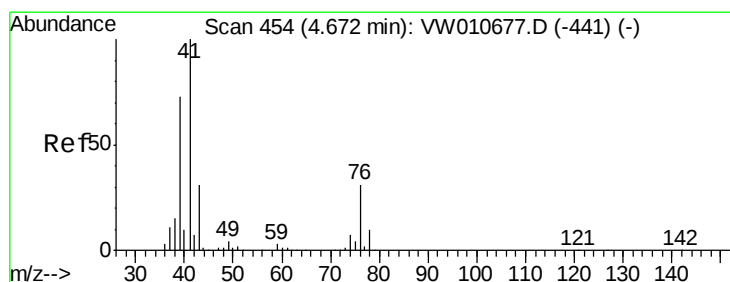
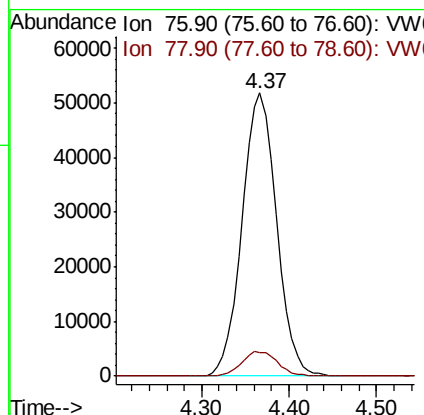
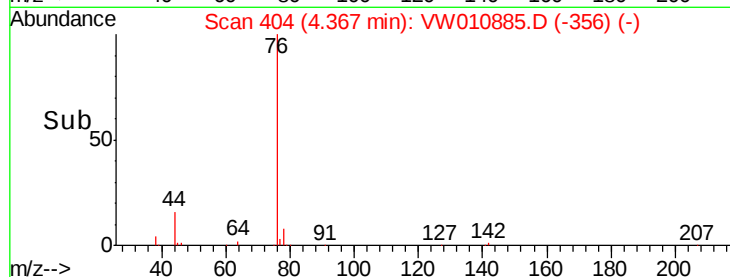
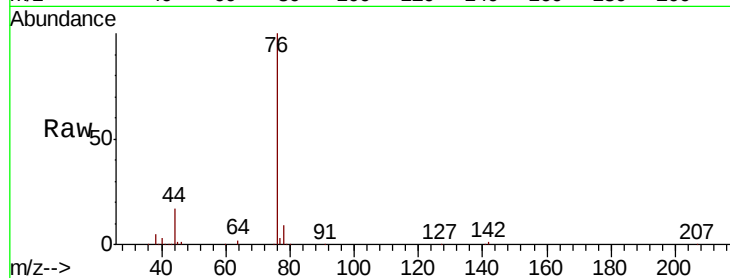
ClientSampleId :

Tot Ion: 76 Resp: 142050

Ion Ratio Lower Upper

76 100

78 8.5 7.5 11.3



#18

Methyl Acetate

Concen: 22.354 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW010885.D

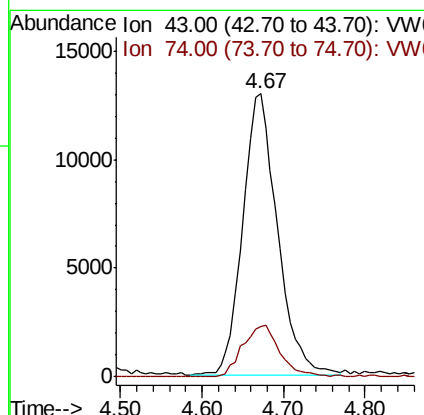
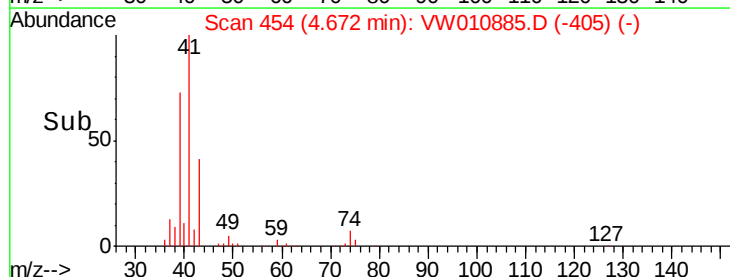
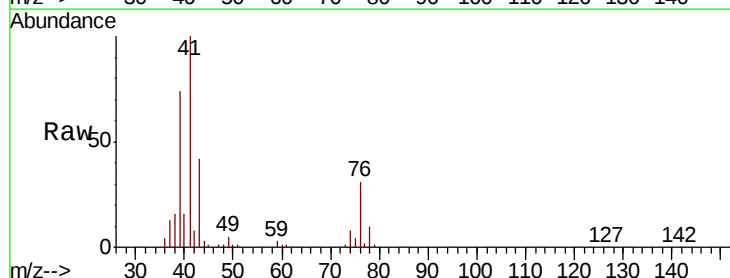
Acq: 20 Jun 2019 12:00

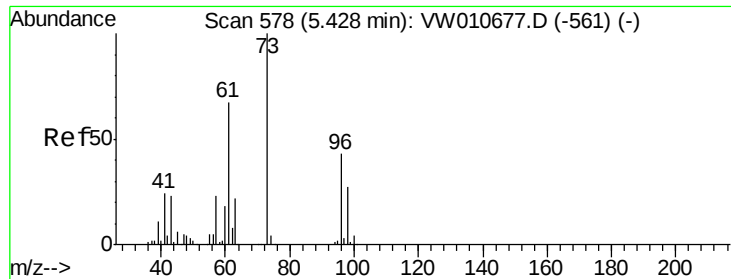
Tgt Ion: 43 Resp: 38423

Ion Ratio Lower Upper

43 100

74 19.7 16.7 25.1

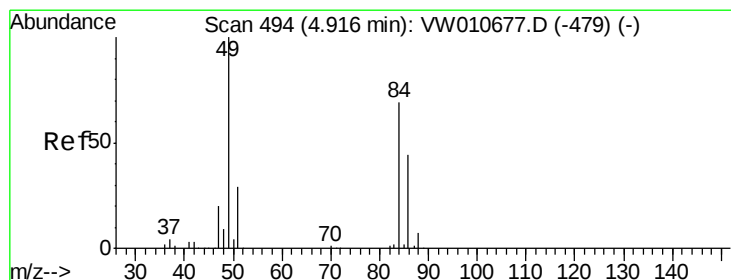
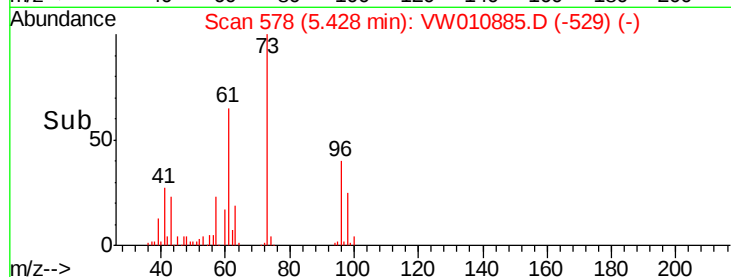
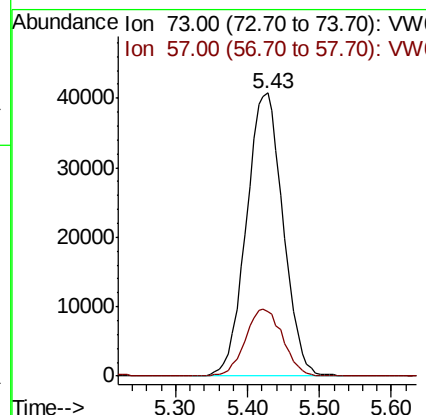
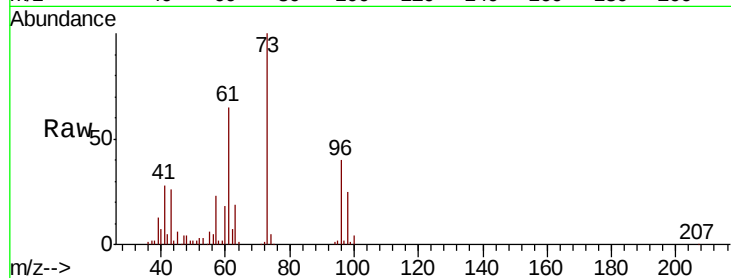




#19
Methvl tert-butvl Ether
Concen: 20.406 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW010885.D
Acq: 20 Jun 2019 12:00

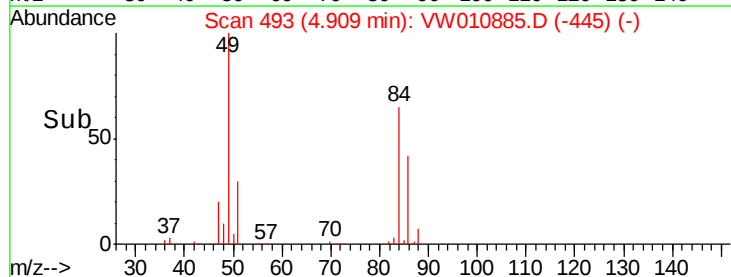
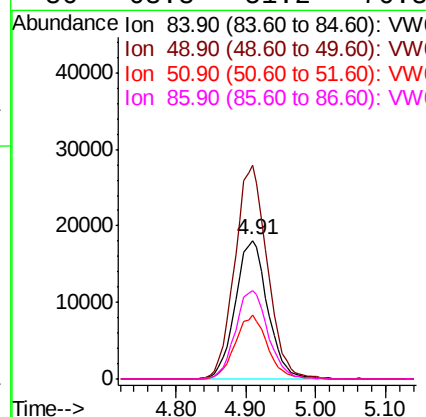
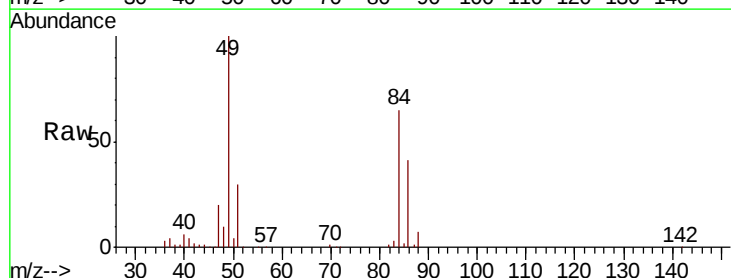
Instrument :
MSVOA_W
ClientSampleId :

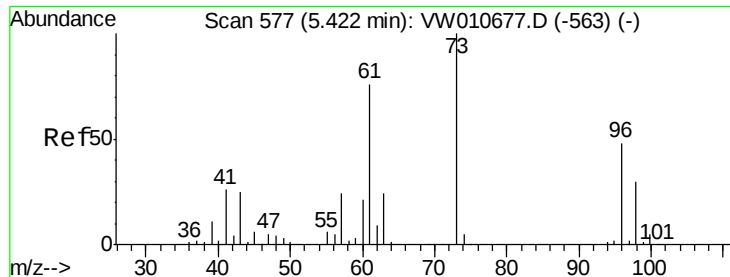
Tot Ion: 73 Resp: 143897
Ion Ratio Lower Upper
73 100
57 22.8 18.6 27.8



#20
Methylene Chloride
Concen: 20.767 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010885.D
Acq: 20 Jun 2019 12:00

Tgt Ion: 84 Resp: 58172
Ion Ratio Lower Upper
84 100
49 154.2 116.7 175.1
51 46.1 34.2 51.2
86 63.8 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 21.318 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW010885.D

Acq: 20 Jun 2019 12:00

Instrument :

MSVOA_W

ClientSampleId :

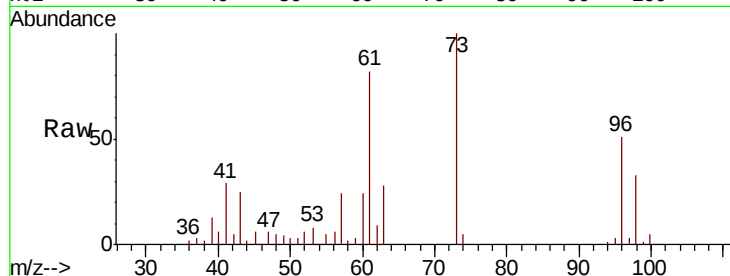
Tot Ion: 96 Resp: 59171

Ion Ratio Lower Upper

96 100

61 162.5 126.0 189.0

98 65.0 49.6 74.4

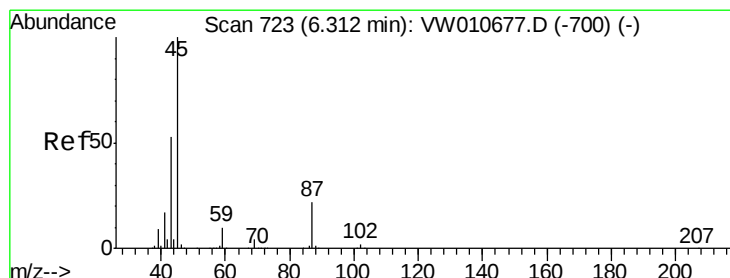
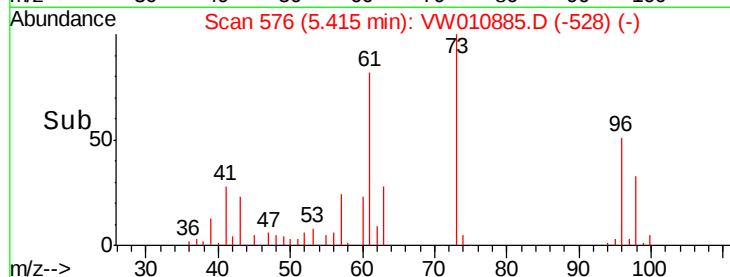
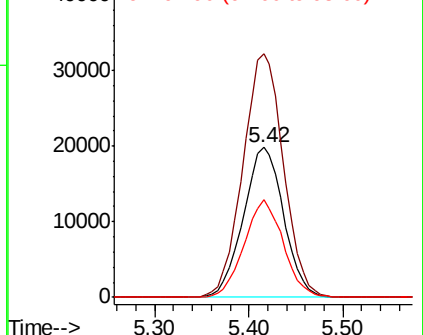


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 22.386 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW010885.D

Acq: 20 Jun 2019 12:00

Tgt Ion: 45 Resp: 241617

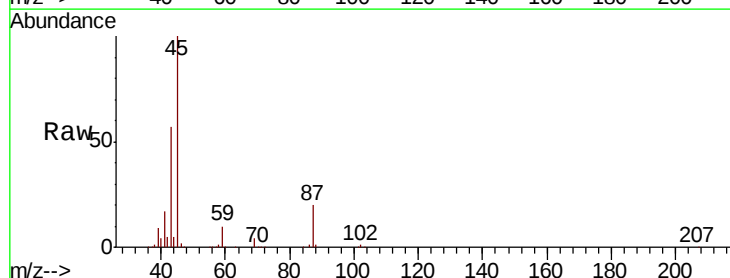
Ion Ratio Lower Upper

45 100

43 56.1 42.5 63.7

87 20.4 17.4 26.2

59 10.1 8.1 12.1



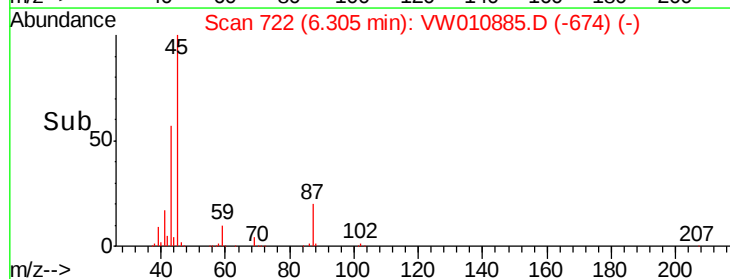
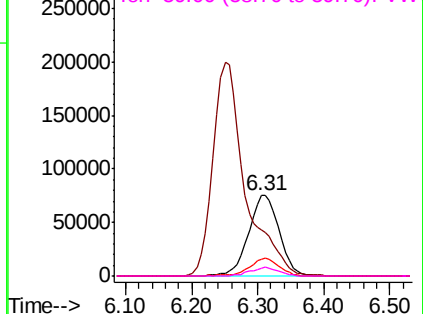
Abundance

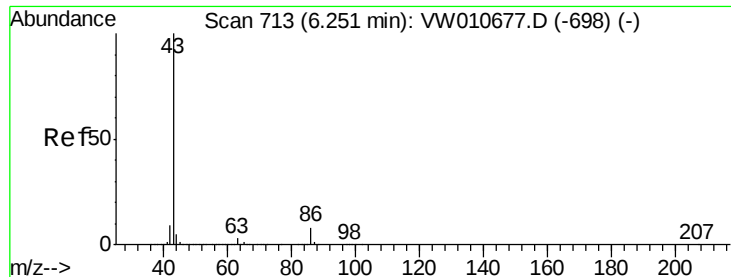
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 103.766 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW010885.D

Acq: 20 Jun 2019 12:00

Instrument :

MSVOA_W

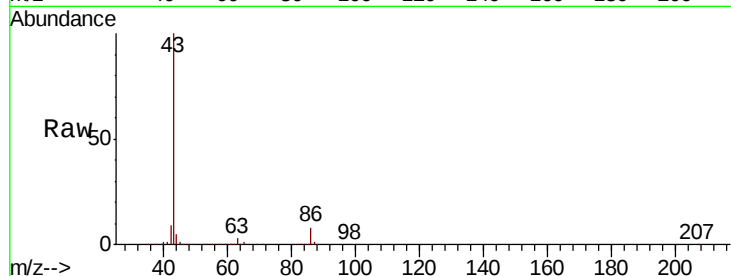
ClientSampleId :

Tot Ion: 43 Resp: 675885

Ion Ratio Lower Upper

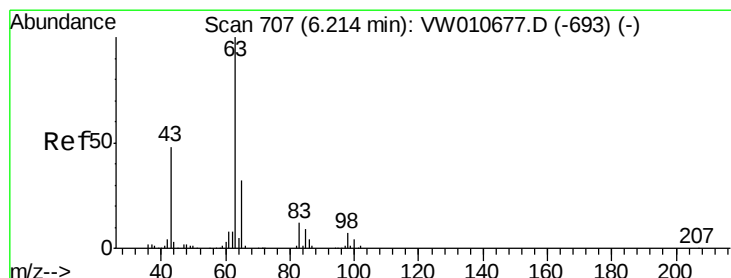
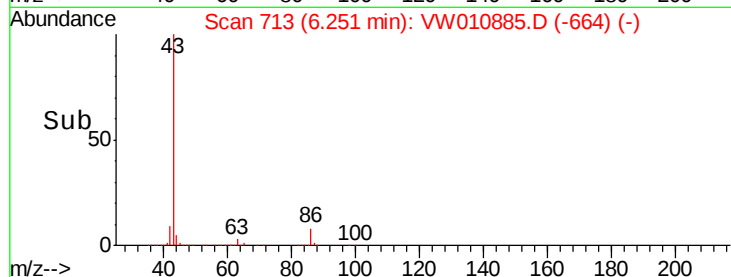
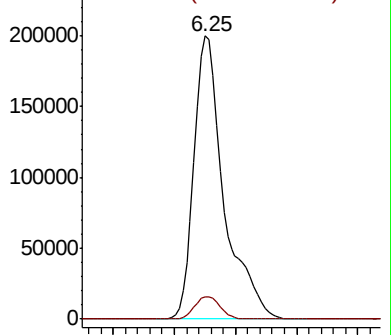
43 100

86 7.9 6.6 10.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 22.344 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010885.D

Acq: 20 Jun 2019 12:00

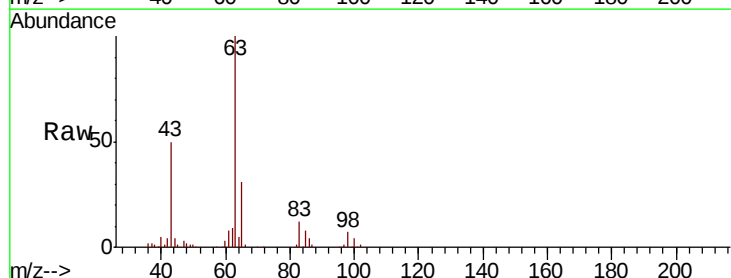
Tgt Ion: 63 Resp: 120853

Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.2

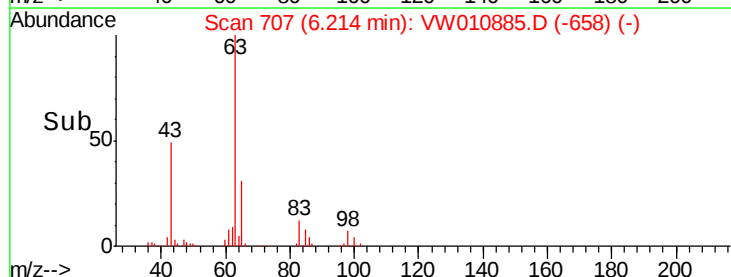
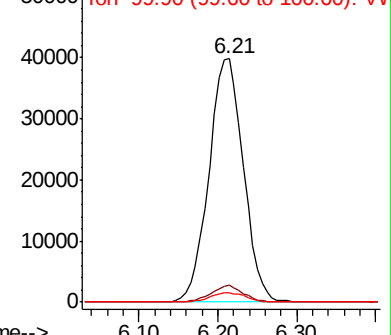
100 3.9 2.1 6.3

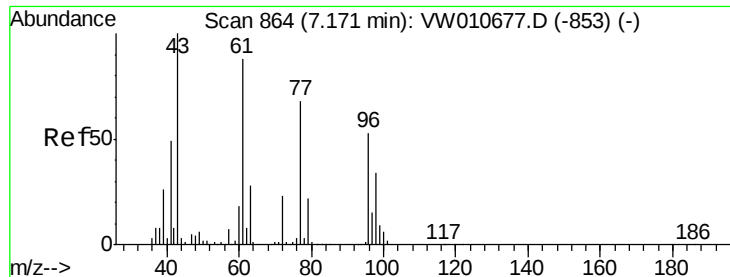


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 103.942 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010885.D

Acq: 20 Jun 2019 12:00

Instrument :

MSVOA_W

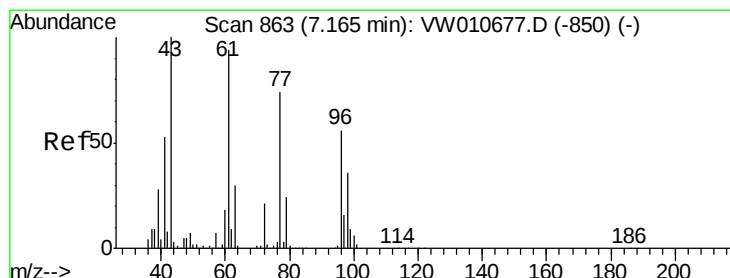
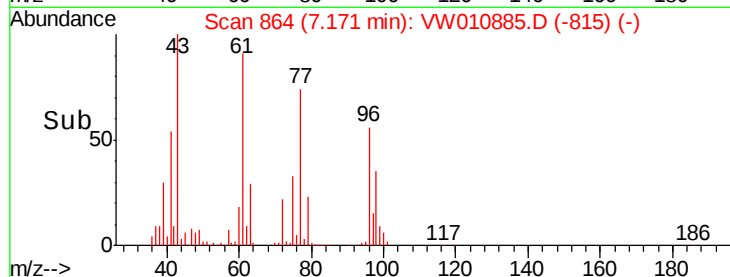
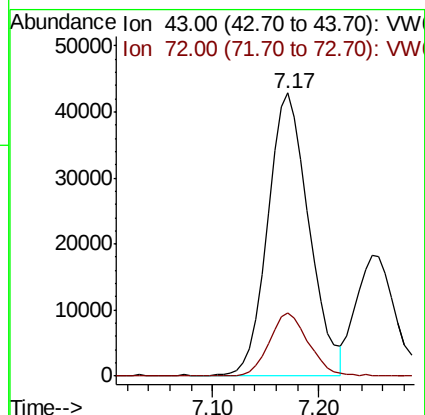
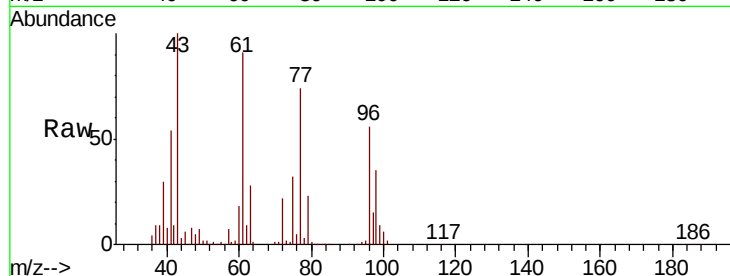
ClientSampled :

Tot Ion: 43 Resp: 115084

Ion Ratio Lower Upper

43 100

72 22.3 18.1 27.1



#26

2,2-Dichloropropane

Concen: 23.117 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW010885.D

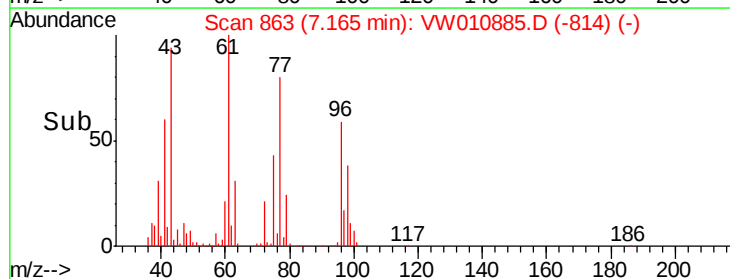
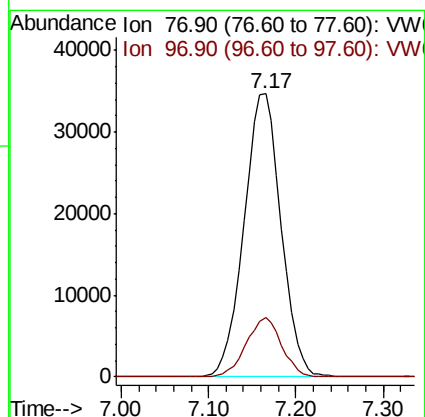
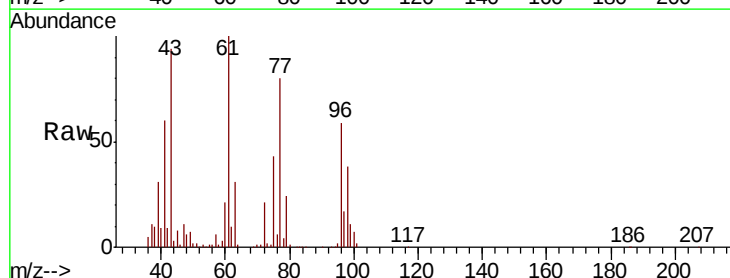
Acq: 20 Jun 2019 12:00

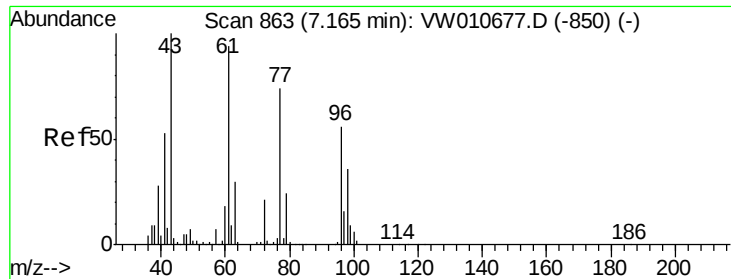
Tgt Ion: 77 Resp: 101744

Ion Ratio Lower Upper

77 100

97 19.9 10.5 31.6



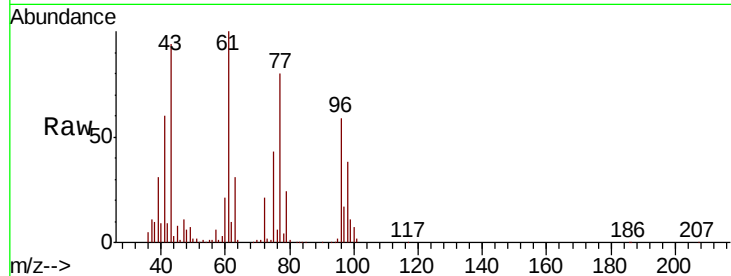


#27

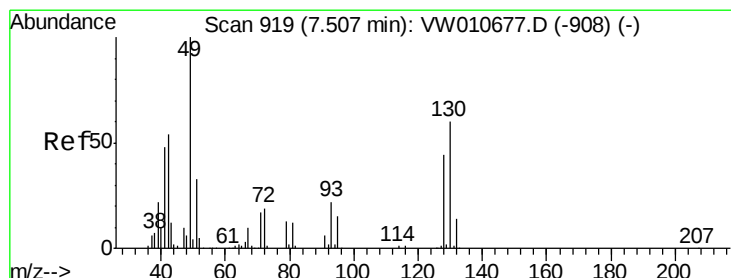
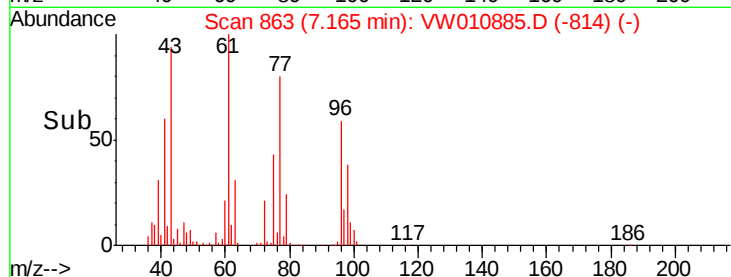
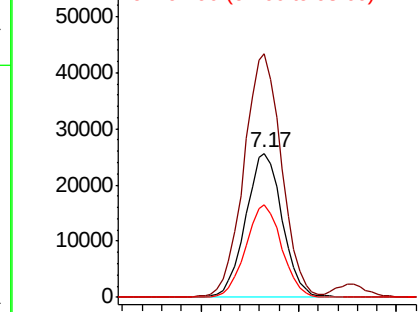
cis-1,2-Dichloroethene
Concen: 21.800 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW010885.D
Acq: 20 Jun 2019 12:00

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 66588
Ion Ratio Lower Upper
96 100
61 173.9 0.0 336.4
98 63.5 0.0 128.0



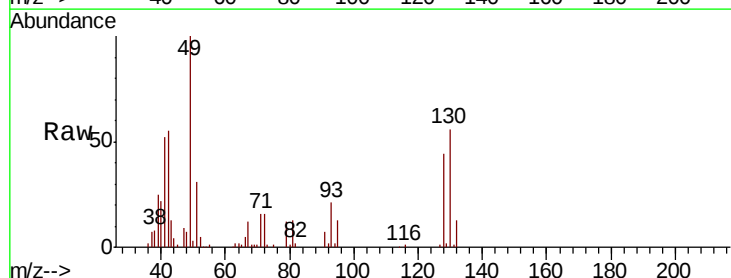
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



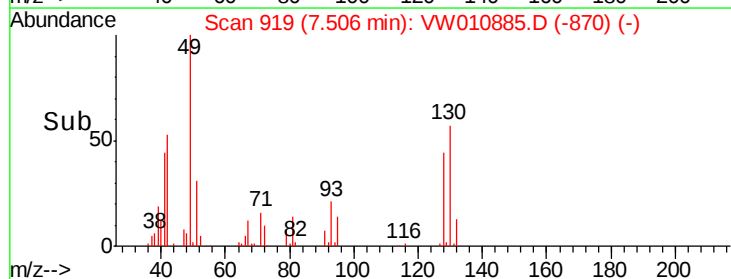
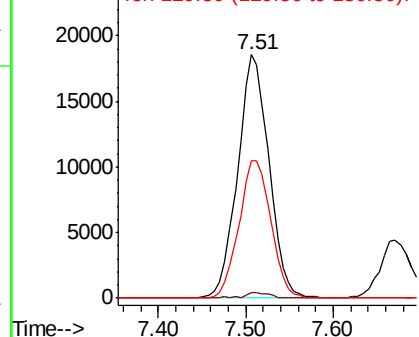
#28

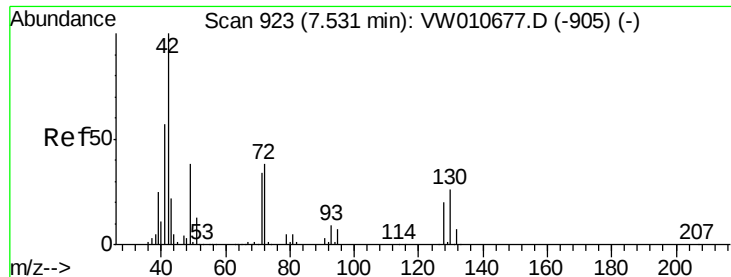
Bromochloromethane
Concen: 19.121 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW010885.D
Acq: 20 Jun 2019 12:00

Tgt Ion: 49 Resp: 46154
Ion Ratio Lower Upper
49 100
129 1.8 0.0 3.2
130 57.4 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

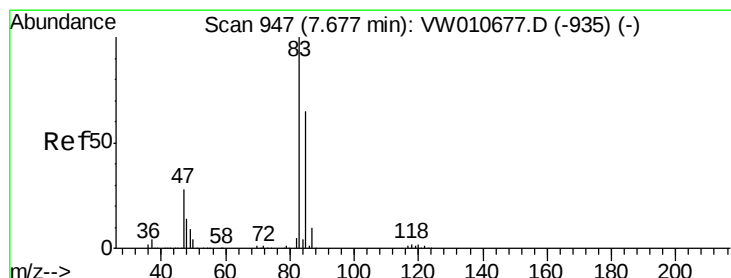
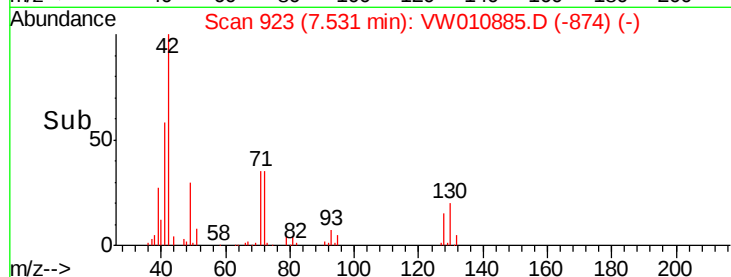
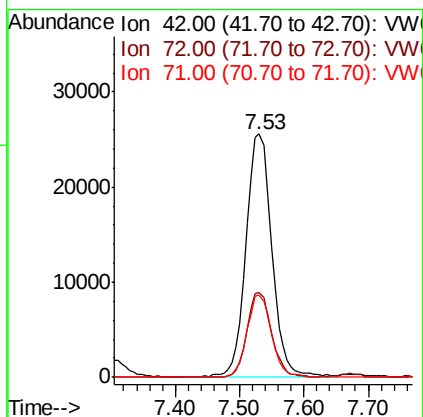
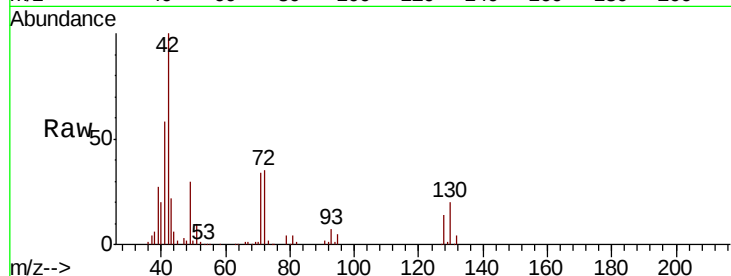




#29
Tetrahydrofuran
Concen: 100.475 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010885.D
Acq: 20 Jun 2019 12:00

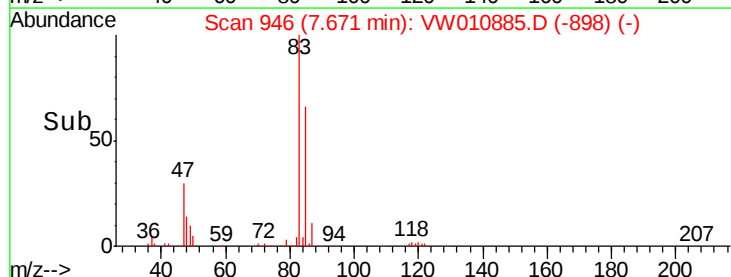
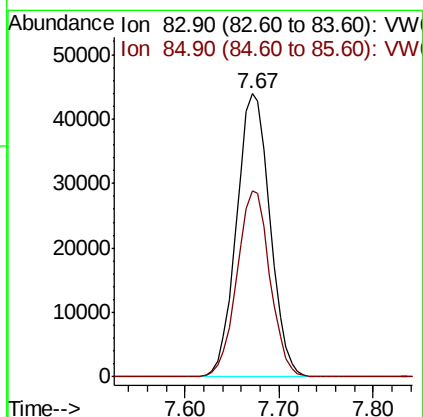
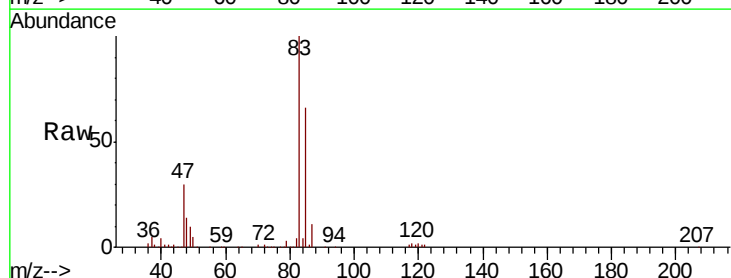
Instrument :
MSVOA_W
ClientSampleId :

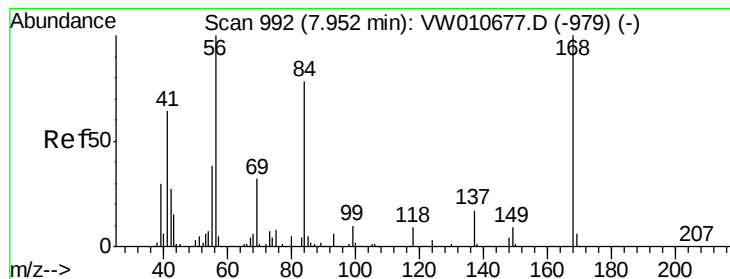
Tot Ion: 42 Resp: 69973
Ion Ratio Lower Upper
42 100
72 33.3 28.7 43.1
71 32.4 26.6 39.8



#30
Chloroform
Concen: 22.072 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW010885.D
Acq: 20 Jun 2019 12:00

Tgt Ion: 83 Resp: 109197
Ion Ratio Lower Upper
83 100
85 65.9 51.8 77.8





#31

Cyclohexane

Concen: 21.434 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010885.D

Acq: 20 Jun 2019 12:00

Instrument :
MSVOA_W
ClientSampled :

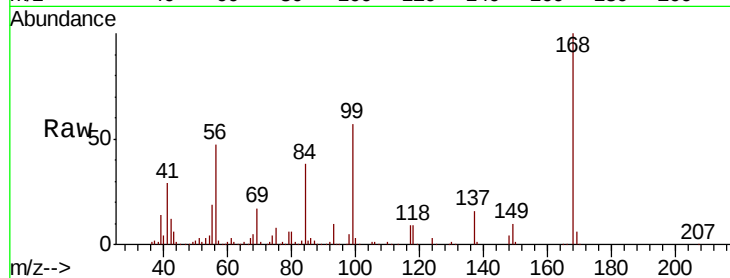
Tot Ion: 56 Resp: 128875

Ion Ratio Lower Upper

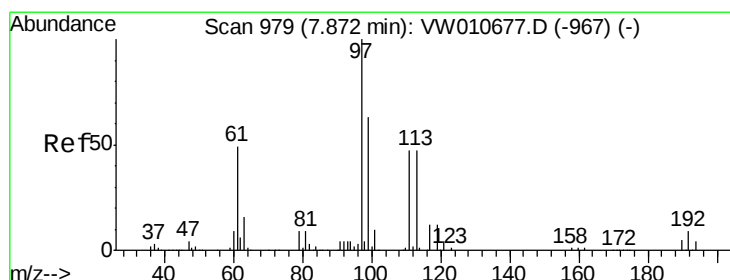
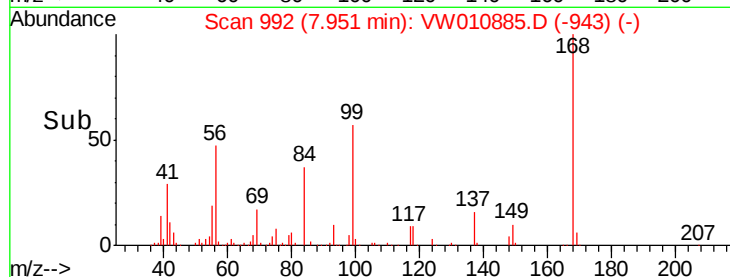
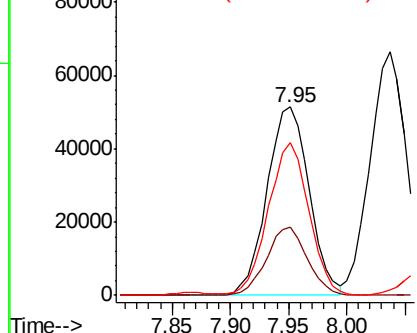
56 100

69 36.3 25.2 37.8

84 79.5 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: 21.939 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW010885.D

Acq: 20 Jun 2019 12:00

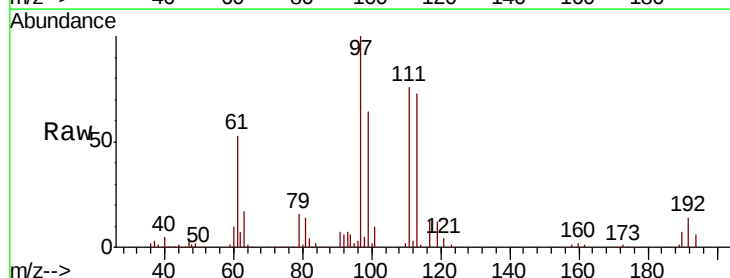
Tgt Ion: 97 Resp: 94812

Ion Ratio Lower Upper

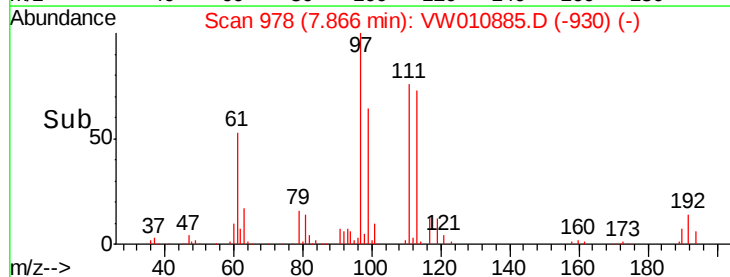
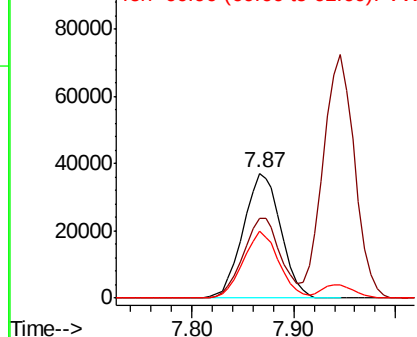
97 100

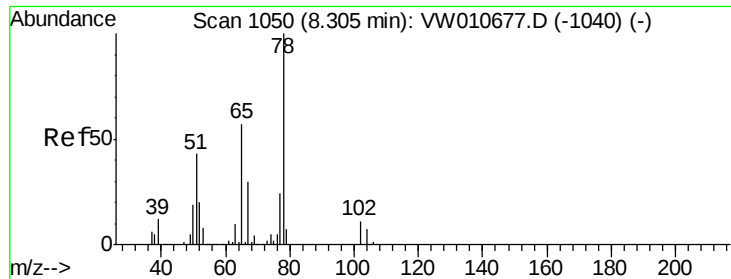
99 63.5 51.3 76.9

61 51.4 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: 47.961 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010885.D

Acq: 20 Jun 2019 12:00

Instrument :

MSVOA_W

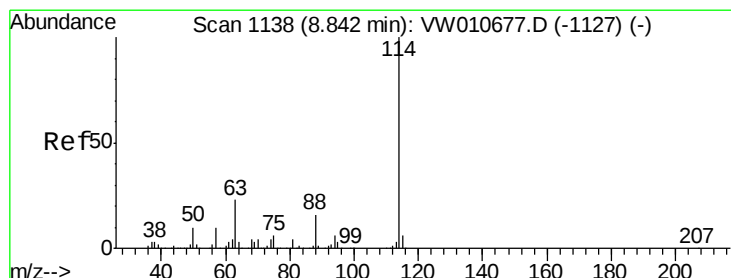
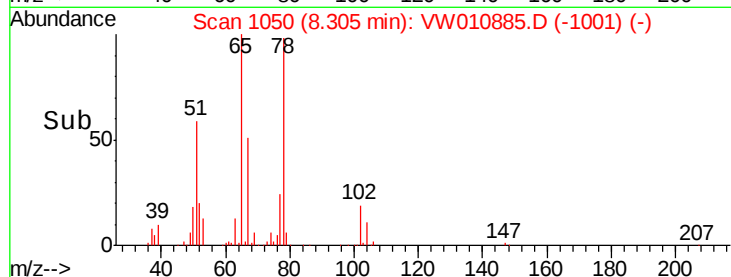
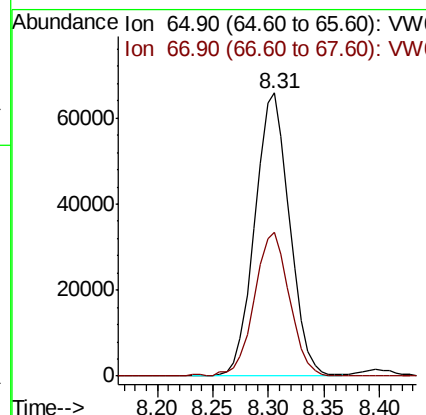
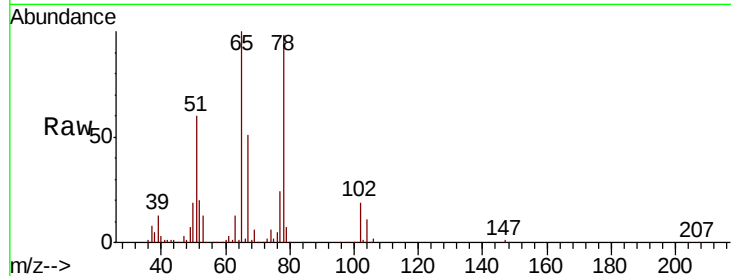
ClientSampleId :

Tot Ion: 65 Resp: 142923

Ion Ratio Lower Upper

65 100

67 51.3 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: VW010885.D

Acq: 20 Jun 2019 12:00

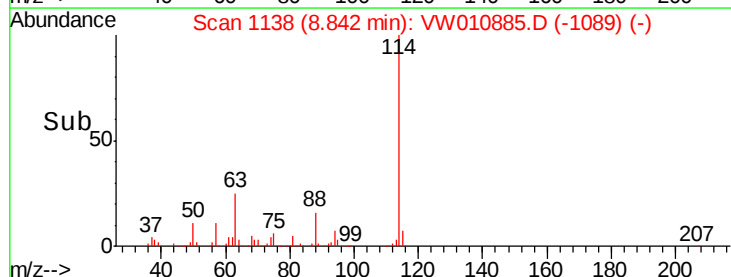
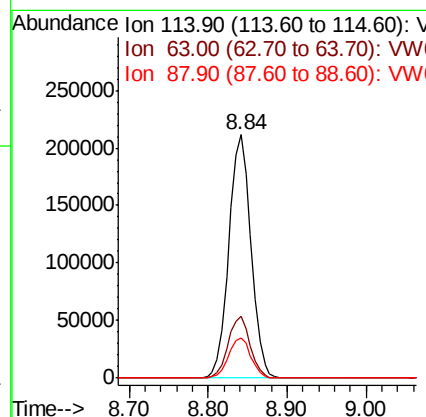
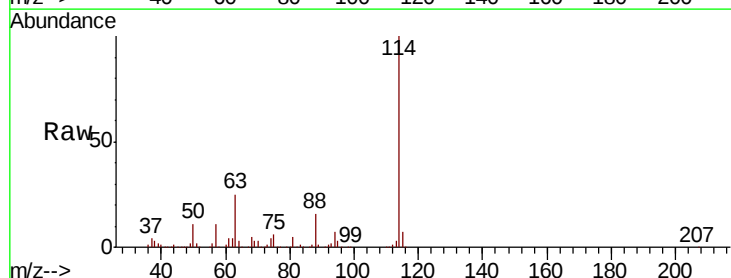
Tgt Ion: 114 Resp: 412520

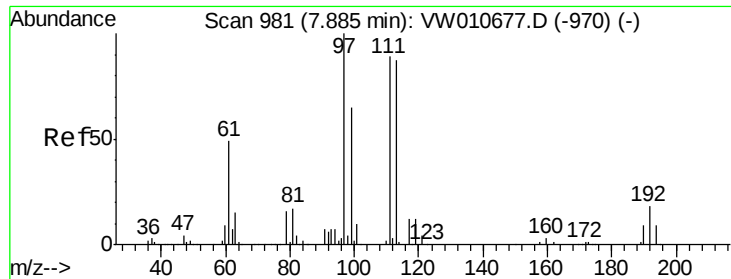
Ion Ratio Lower Upper

114 100

63 25.3 0.0 46.4

88 16.4 0.0 32.2

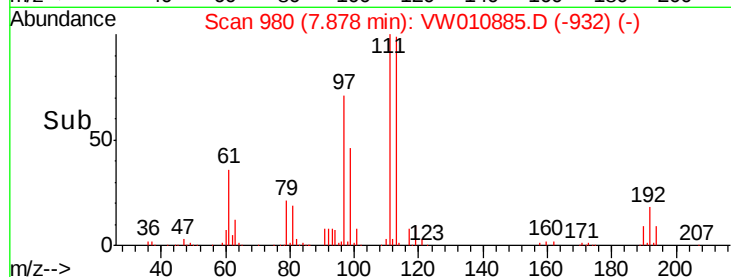
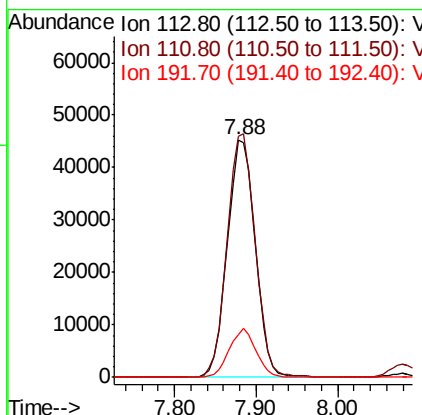
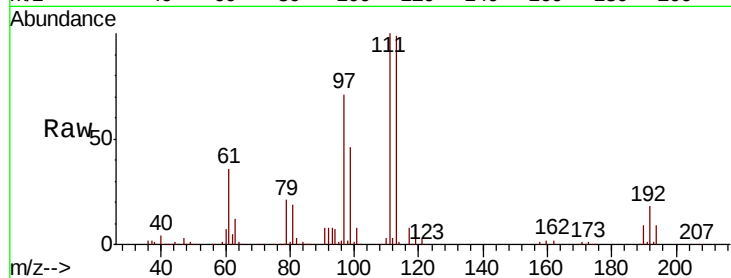




#35
 Dibromofluoromethane
 Concen: 47.748 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW010885.D
 Acq: 20 Jun 2019 12:00

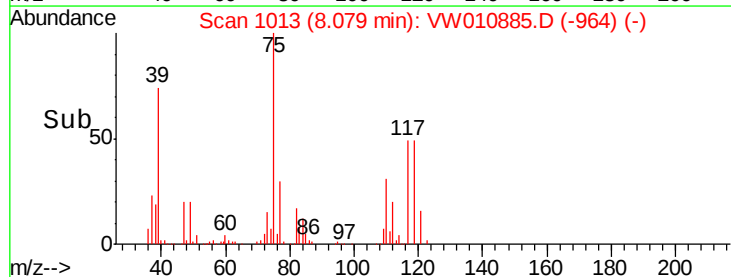
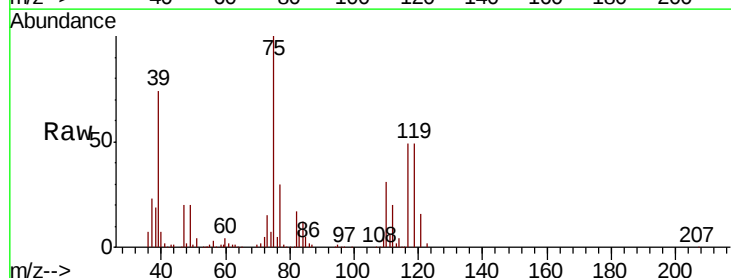
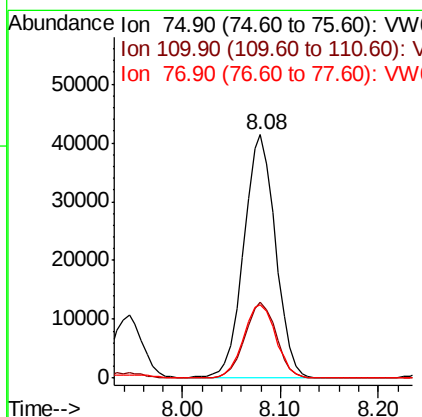
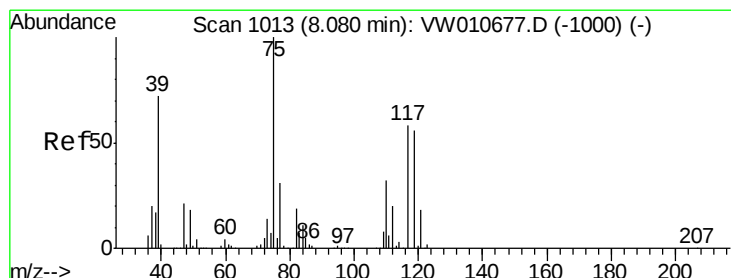
Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:113 Resp: 106912
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.6 123.8
 192 19.7 16.4 24.6



#36
 1,1-Dichloropropene
 Concen: 22.009 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010885.D
 Acq: 20 Jun 2019 12:00

Tgt Ion: 75 Resp: 92936
 Ion Ratio Lower Upper
 75 100
 110 31.0 15.8 47.3
 77 31.0 24.7 37.1

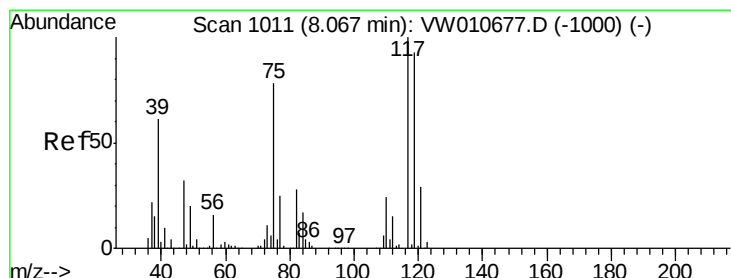
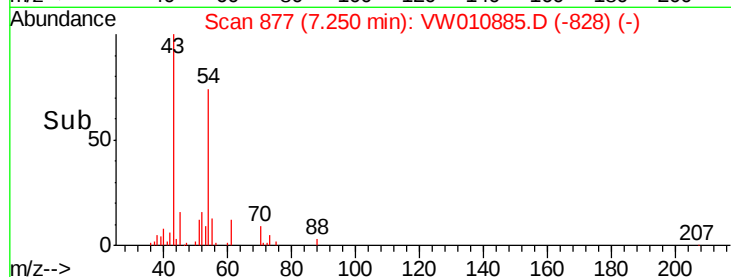
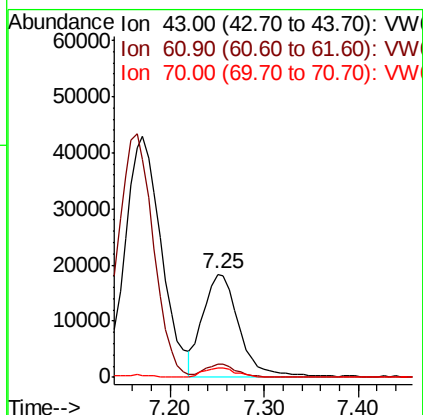
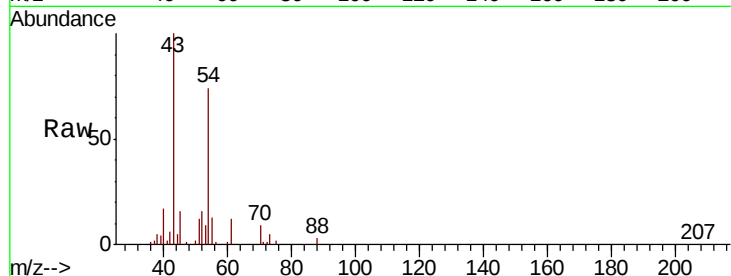




#37
Ethyl Acetate
Concen: 20.537 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010885.D
Acq: 20 Jun 2019 12:00

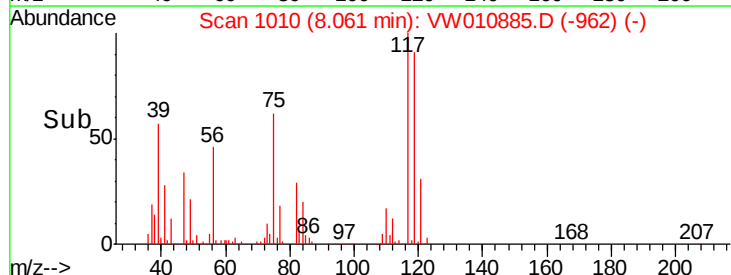
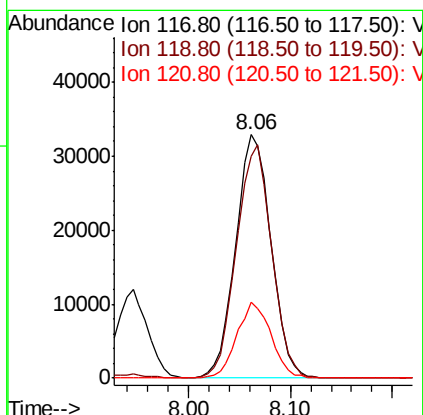
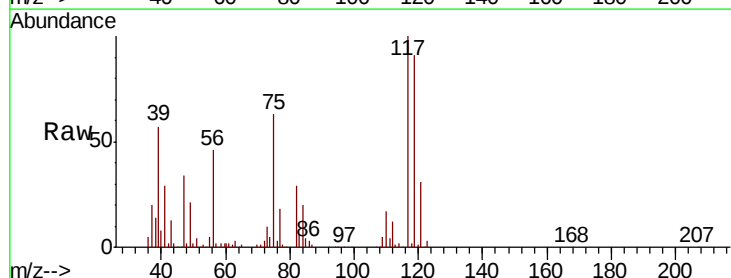
Instrument :
MSVOA_W
ClientSampled :

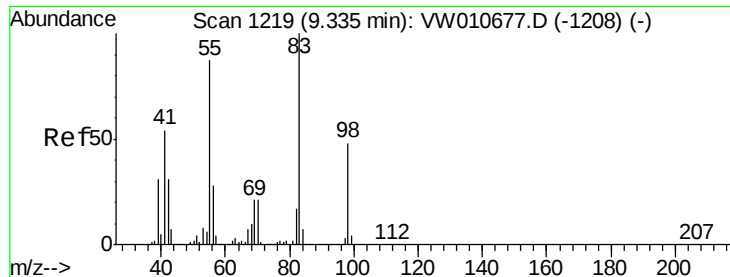
Tot Ion: 43 Resp: 48055
Ion Ratio Lower Upper
43 100
61 11.6 9.7 14.5
70 8.6 7.2 10.8



#38
Carbon Tetrachloride
Concen: 21.756 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW010885.D
Acq: 20 Jun 2019 12:00

Tgt Ion: 117 Resp: 79305
Ion Ratio Lower Upper
117 100
119 91.0 74.2 111.4
121 30.9 22.9 34.3

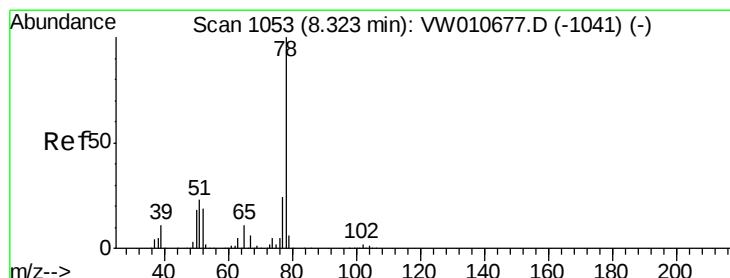
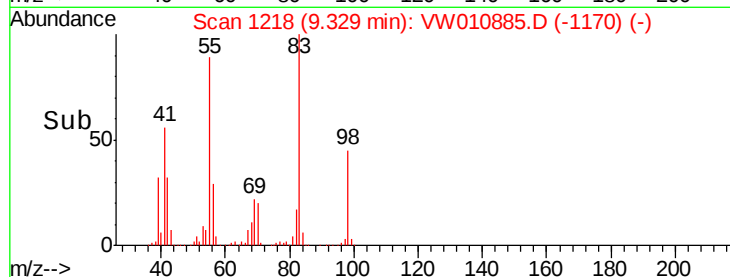
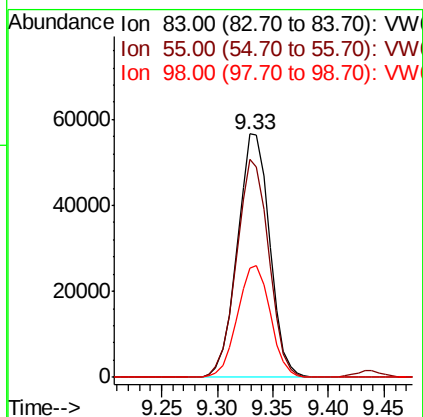
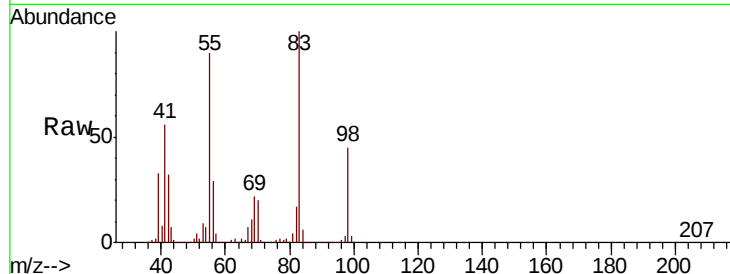




#39
Methvlcvclohexane
Concen: 21.300 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW010885.D
Acq: 20 Jun 2019 12:00

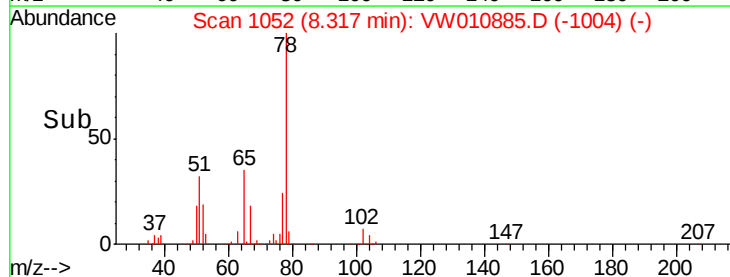
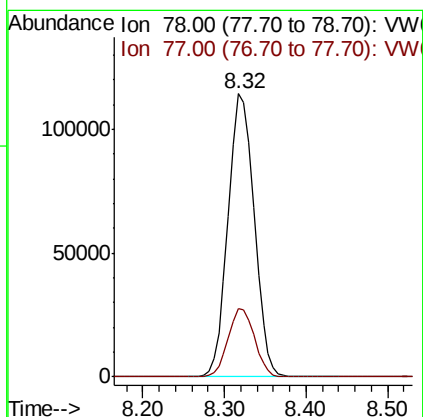
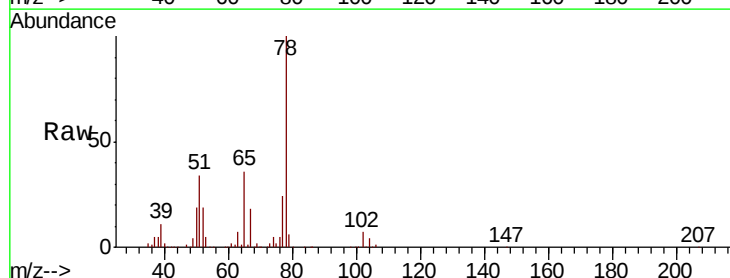
Instrument :
MSVOA_W
ClientSampleId :

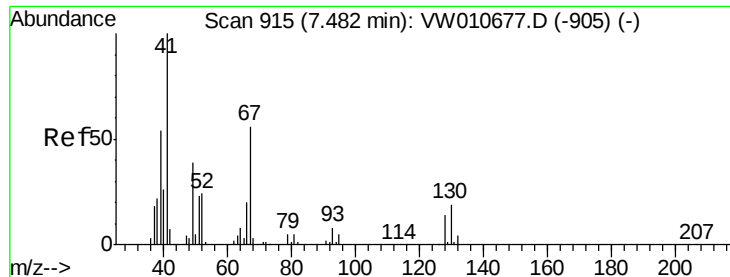
Tot Ion: 83 Resp: 114334
Ion Ratio Lower Upper
83 100
55 89.4 70.0 105.0
98 44.9 38.1 57.1



#40
Benzene
Concen: 21.996 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW010885.D
Acq: 20 Jun 2019 12:00

Tgt Ion: 78 Resp: 253383
Ion Ratio Lower Upper
78 100
77 24.2 19.1 28.7

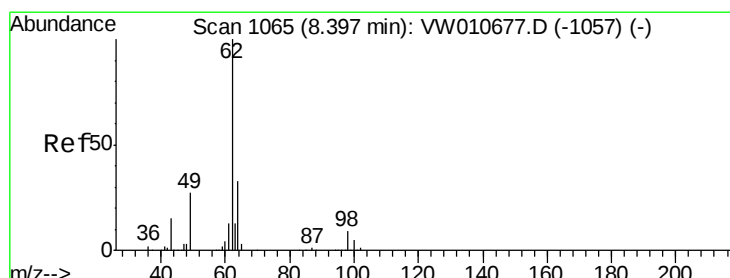
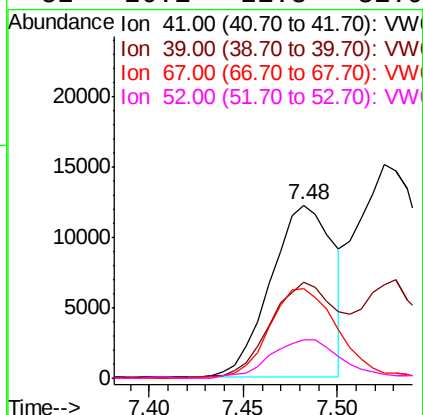
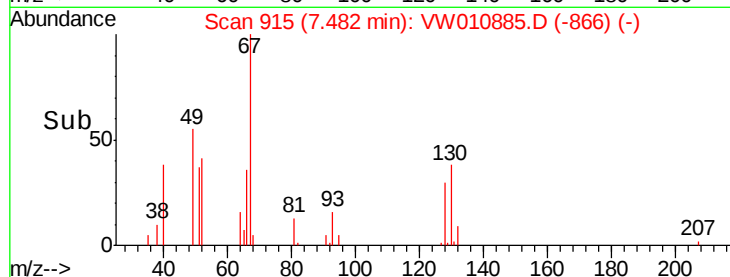
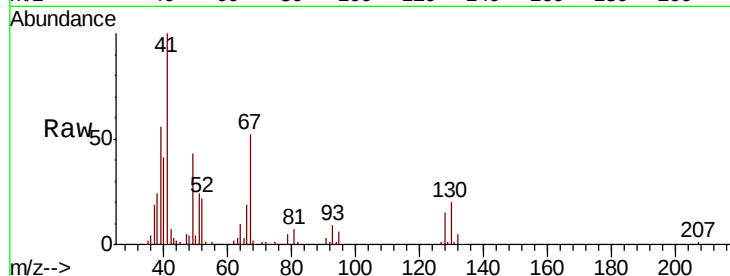




#41
Methacrylonitrile
Concen: 20.481 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010885.D
Acq: 20 Jun 2019 12:00

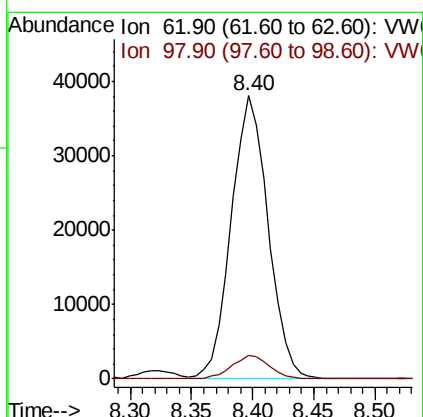
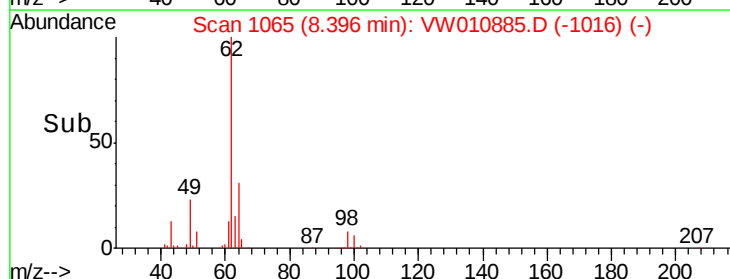
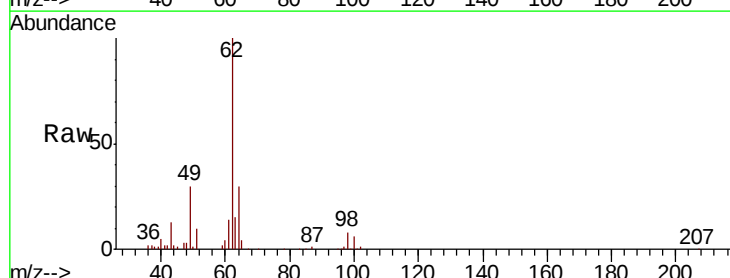
Instrument :
MSVOA_W
ClientSampleId :

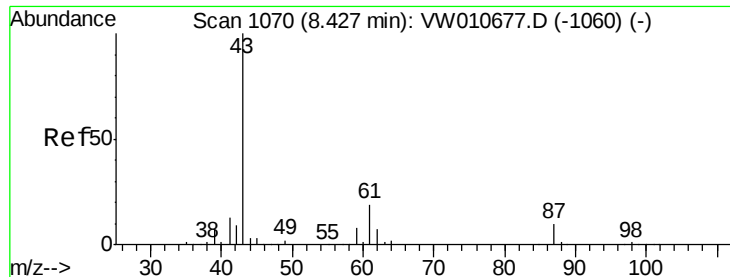
Tot Ion:	41	Resp:	28486
Ion	Ratio	Lower	Upper
41	100		
39	61.3	47.3	70.9
67	57.7	47.2	70.8
52	26.1	21.3	31.9



#42
1,2-Dichloroethane
Concen: 21.729 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010885.D
Acq: 20 Jun 2019 12:00

Tgt Ion:	62	Resp:	79443
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.2





#43

Isopropyl Acetate

Concen: 20.277 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

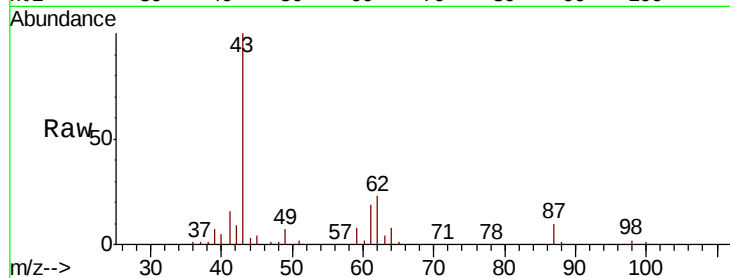
Lab File: VW010885.D

Acq: 20 Jun 2019 12:00

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 91663

Ion	Ratio	Lower	Upper
43	100		
61	26.4	21.2	31.8
87	9.9	8.3	12.5

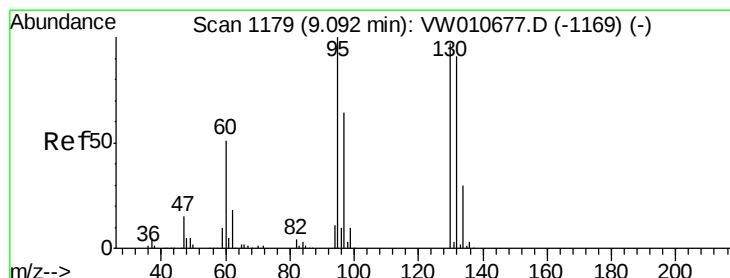
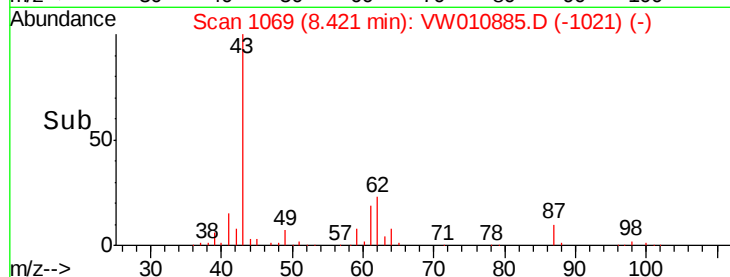
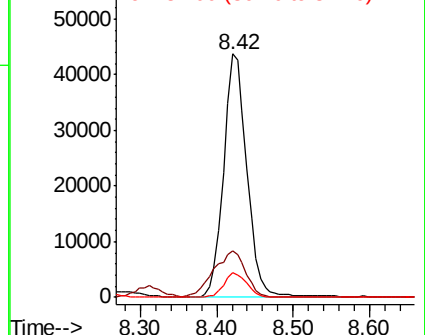


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 21.773 ug/l

RT: 9.09 min Scan# 1179

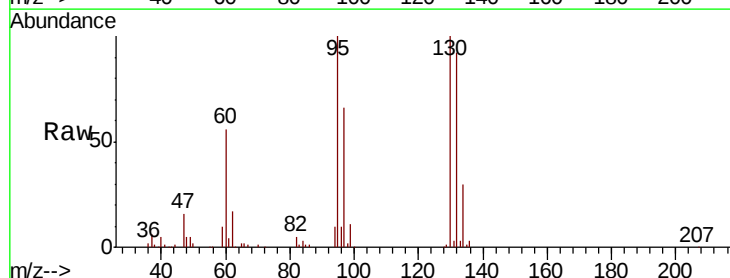
Delta R.T. -0.00 min

Lab File: VW010885.D

Acq: 20 Jun 2019 12:00

Tgt Ion: 130 Resp: 61870

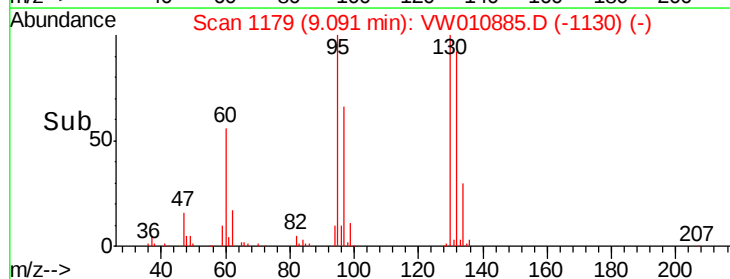
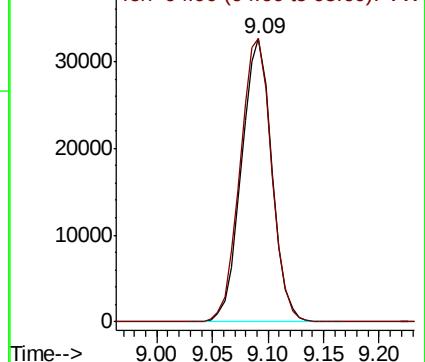
Ion	Ratio	Lower	Upper
130	100		
95	100.0	0.0	207.0

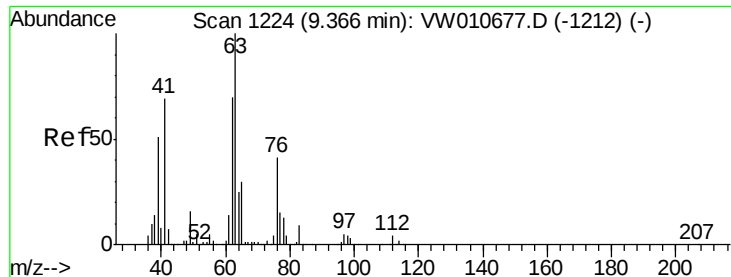


Abundance

Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 22.068 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW010885.D

Acq: 20 Jun 2019 12:00

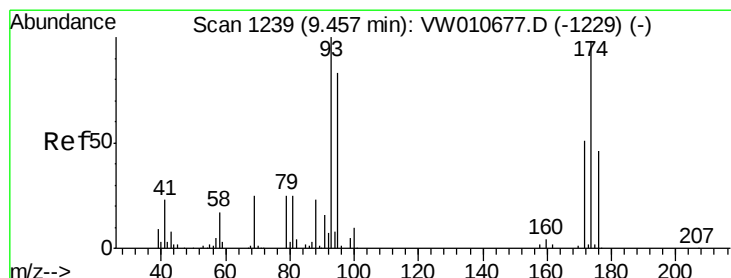
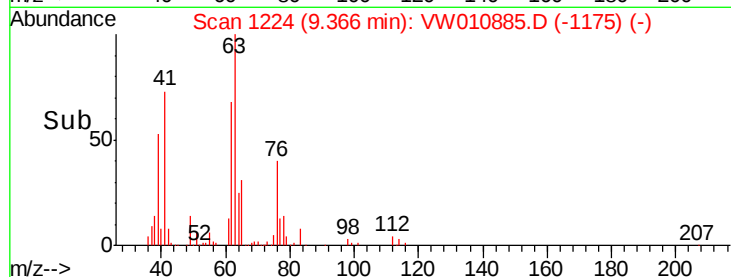
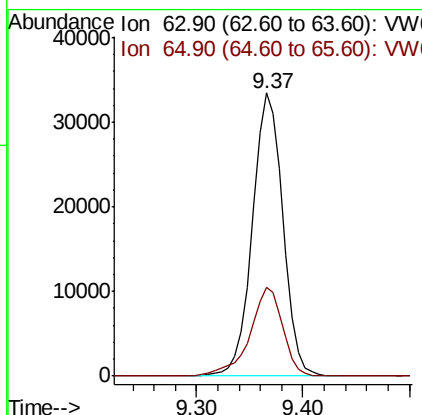
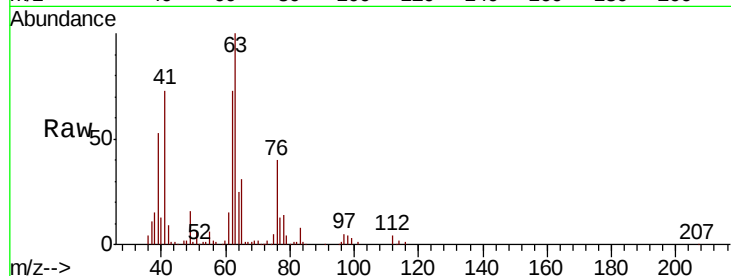
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 63 Resp: 67295

Ion Ratio Lower Upper

63 100

65 31.3 23.8 35.6



#46

Dibromomethane

Concen: 20.952 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010885.D

Acq: 20 Jun 2019 12:00

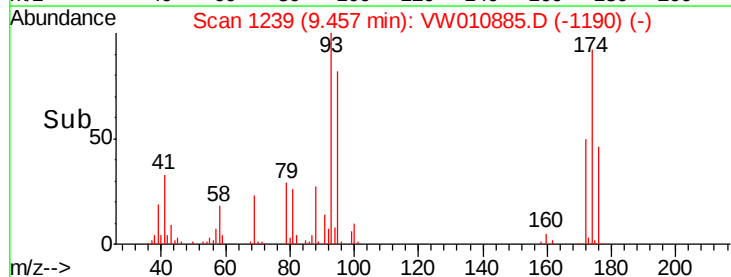
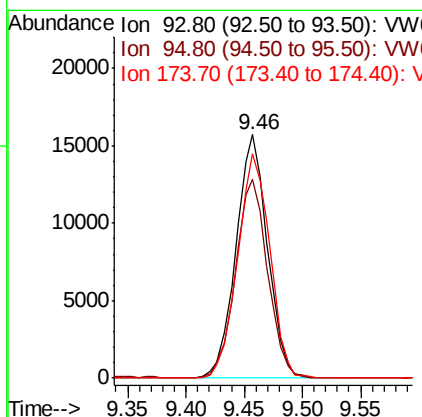
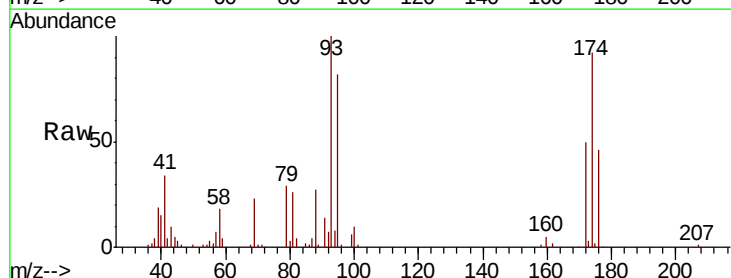
Tgt Ion: 93 Resp: 29676

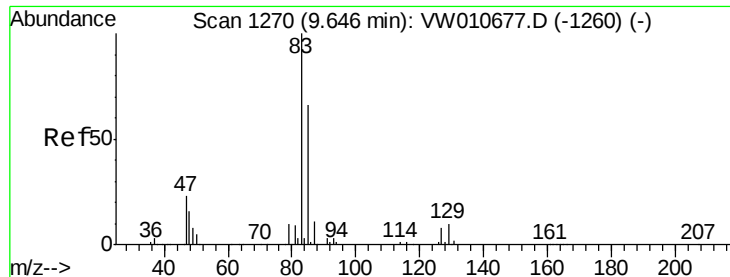
Ion Ratio Lower Upper

93 100

95 83.0 65.8 98.8

174 94.2 77.4 116.0





#47

Bromodichloromethane

Concen: 21.006 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW010885.D

Acq: 20 Jun 2019 12:00

Instrument :

MSVOA_W

ClientSampled :

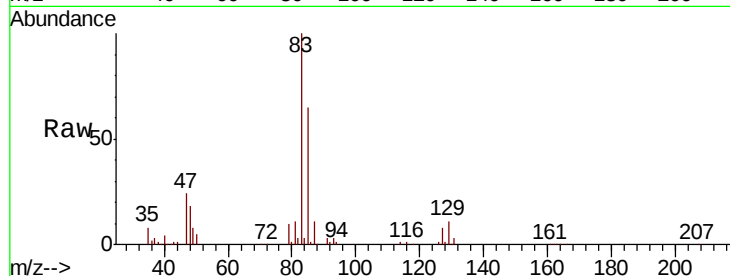
Tot Ion: 83 Resp: 77123

Ion Ratio Lower Upper

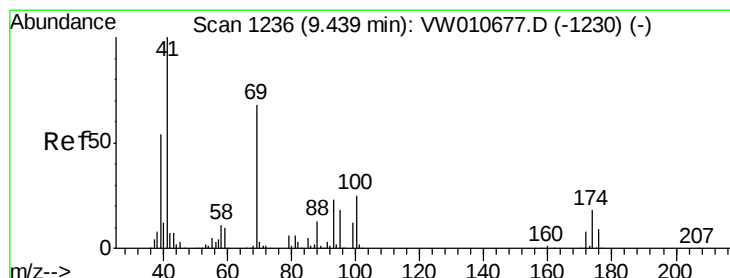
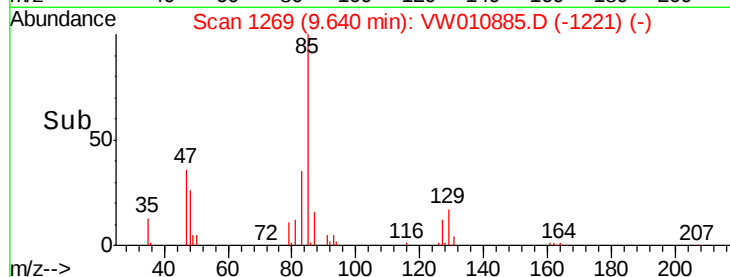
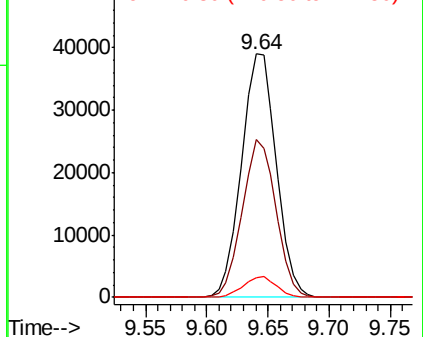
83 100

85 64.9 53.0 79.4

127 7.8 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: 20.021 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW010885.D

Acq: 20 Jun 2019 12:00

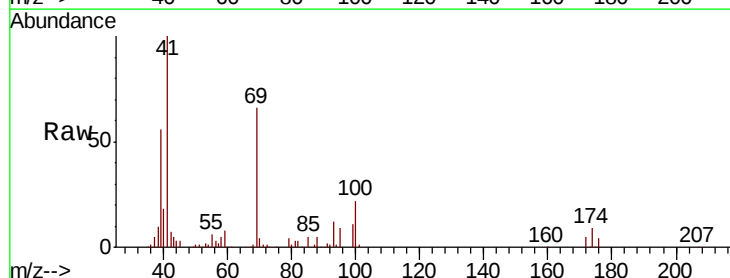
Tgt Ion: 41 Resp: 43638

Ion Ratio Lower Upper

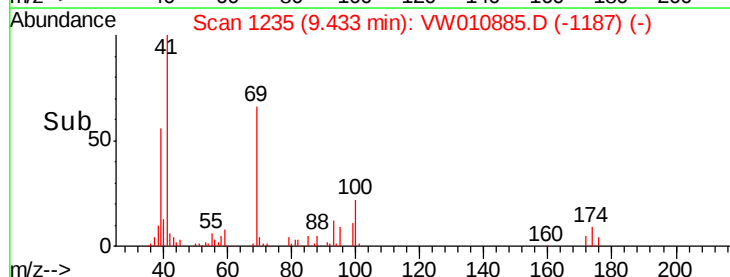
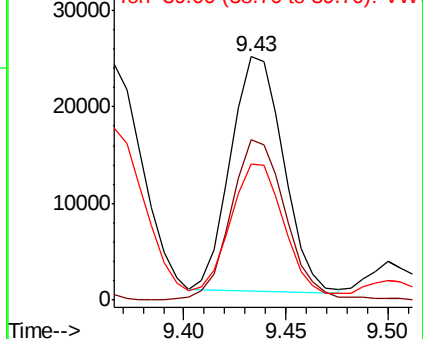
41 100

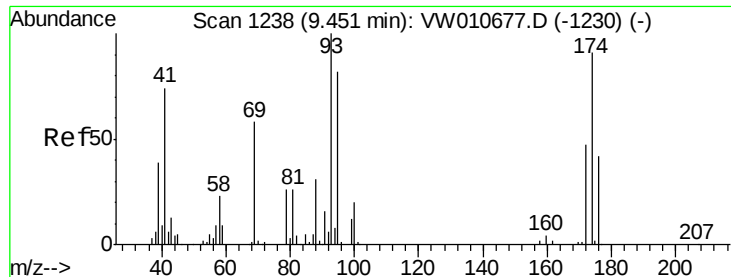
69 71.6 56.6 85.0

39 55.1 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

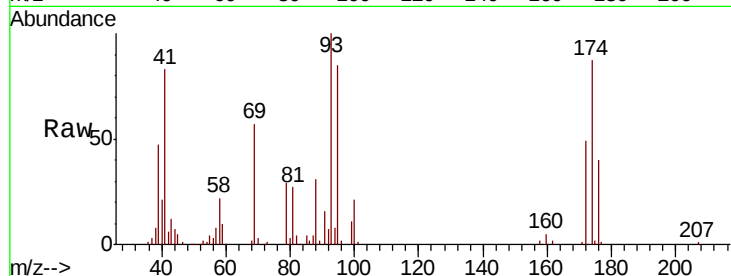




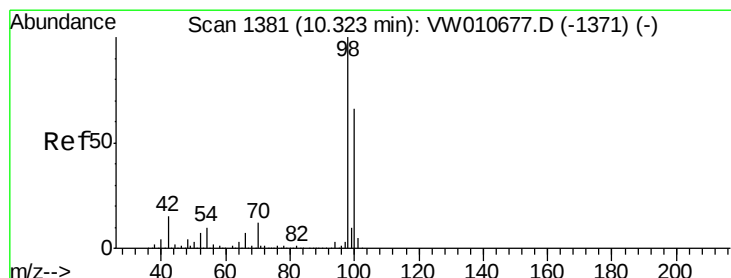
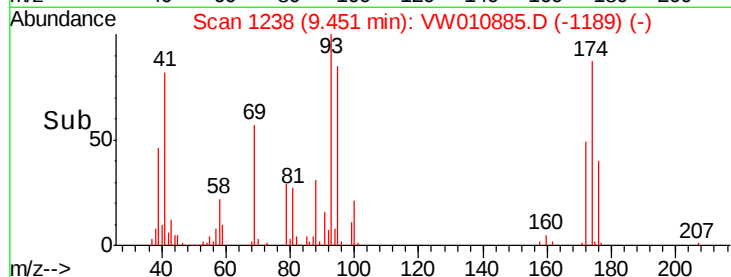
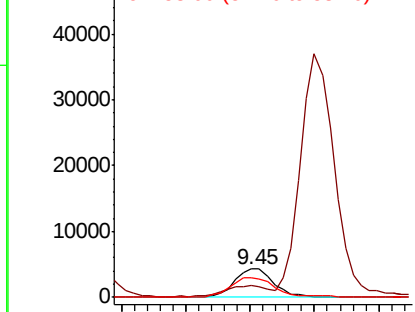
#49
1,4-Dioxane
Concen: 408.507 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VW010885.D
Acq: 20 Jun 2019 12:00

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 9046
Ion Ratio Lower Upper
88 100
43 42.4 34.2 51.4
58 77.7 69.0 103.4

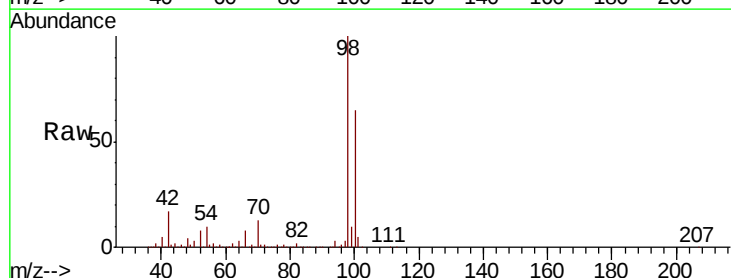


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

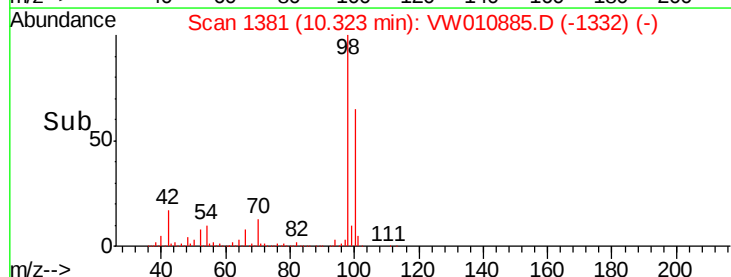
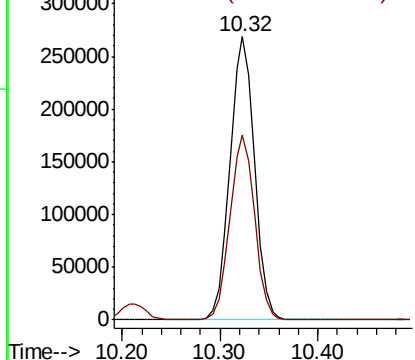


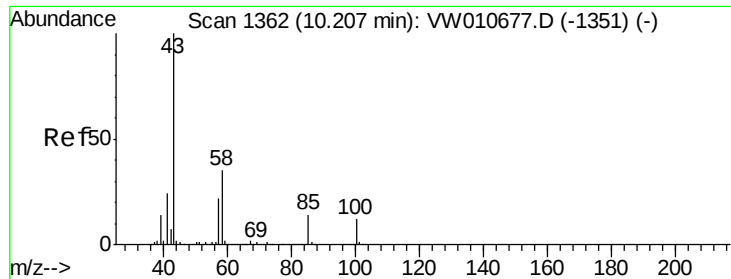
#50
Toluene-d8
Concen: 47.503 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010885.D
Acq: 20 Jun 2019 12:00

Tgt Ion: 98 Resp: 466409
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 100.798 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010885.D

Acq: 20 Jun 2019 12:00

Instrument :

MSVOA_W

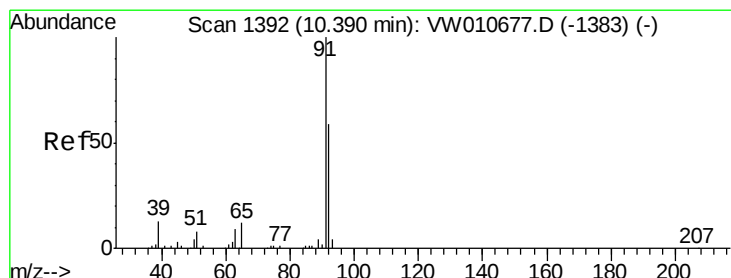
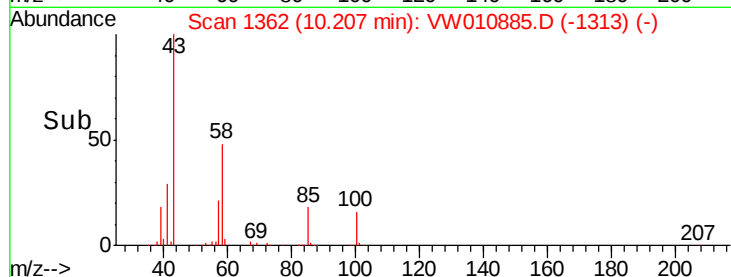
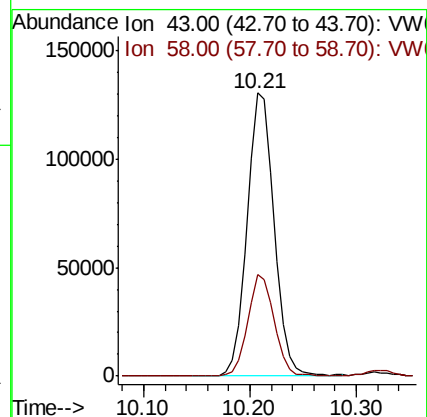
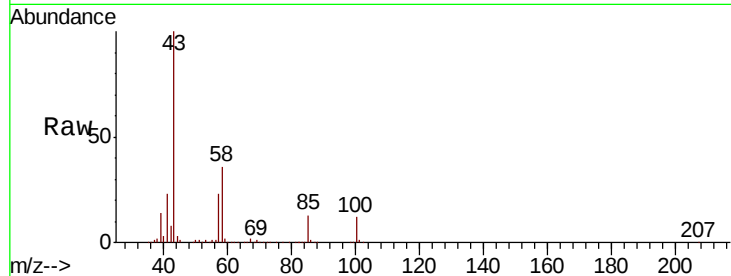
ClientSampled :

Tot Ion: 43 Resp: 232786

Ion Ratio Lower Upper

43 100

58 35.0 28.4 42.6



#52

Toluene

Concen: 22.029 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW010885.D

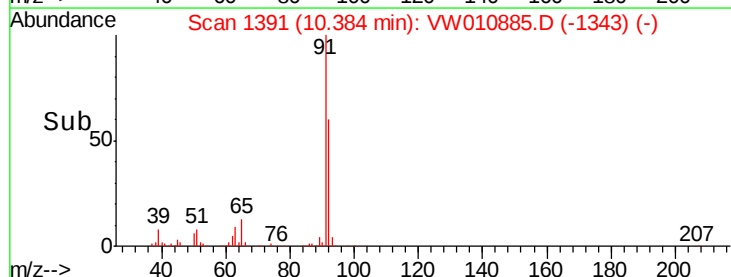
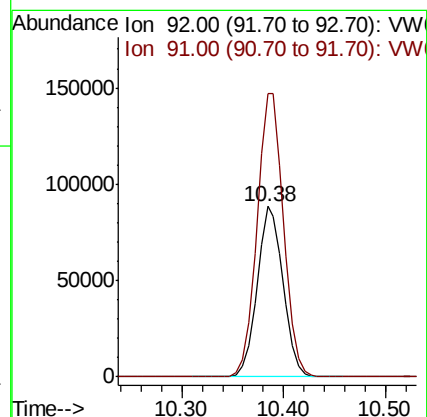
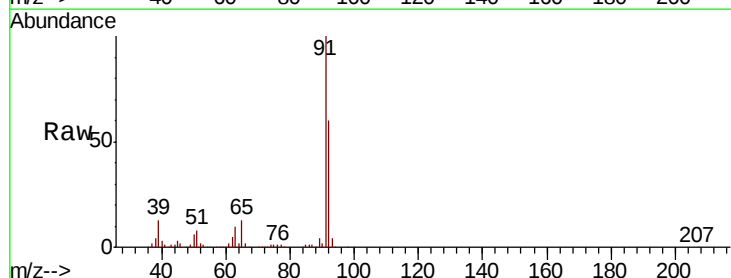
Acq: 20 Jun 2019 12:00

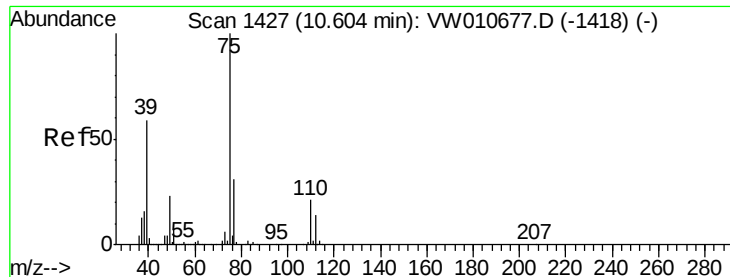
Tgt Ion: 92 Resp: 156136

Ion Ratio Lower Upper

92 100

91 170.8 134.9 202.3





#53

t-1,3-Dichloropropene

Concen: 20.457 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010885.D

Acq: 20 Jun 2019 12:00

Instrument :

MSVOA_W

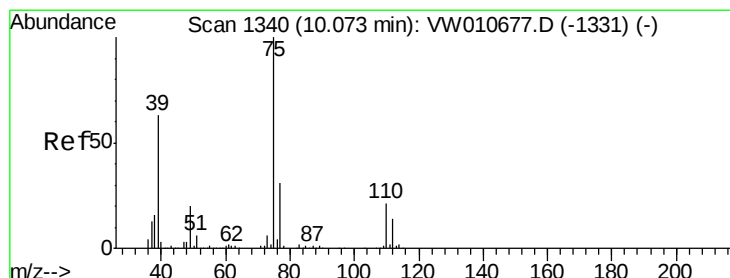
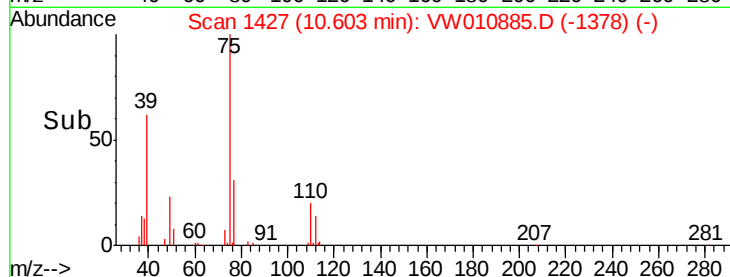
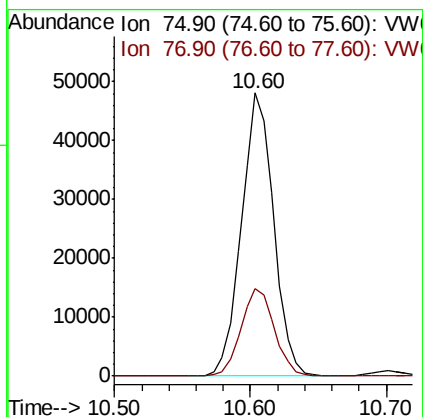
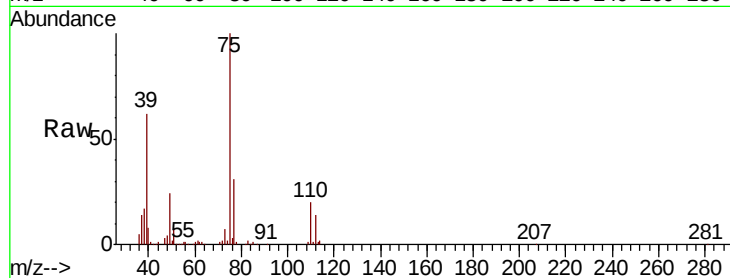
ClientSampled :

Tot Ion: 75 Resp: 79552

Ion Ratio Lower Upper

75 100

77 30.7 24.6 36.8



#54

cis-1,3-Dichloropropene

Concen: 21.141 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010885.D

Acq: 20 Jun 2019 12:00

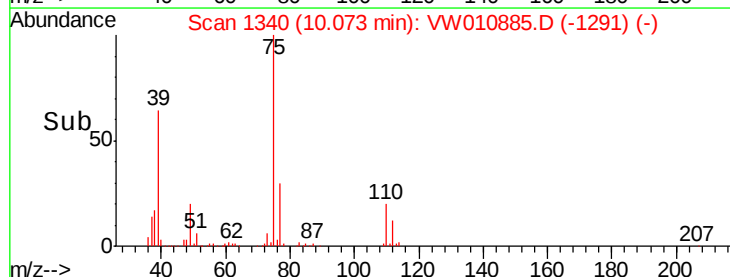
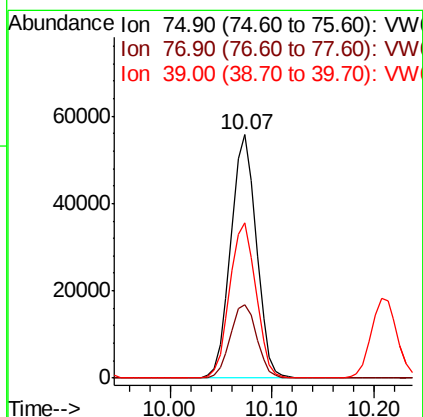
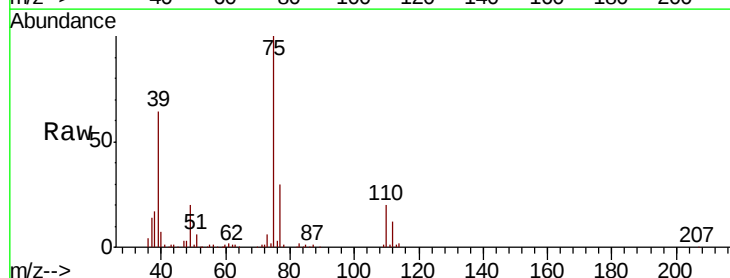
Tgt Ion: 75 Resp: 96739

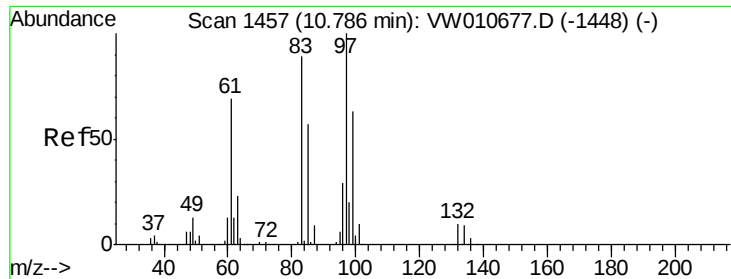
Ion Ratio Lower Upper

75 100

77 29.9 25.2 37.8

39 63.7 50.1 75.1

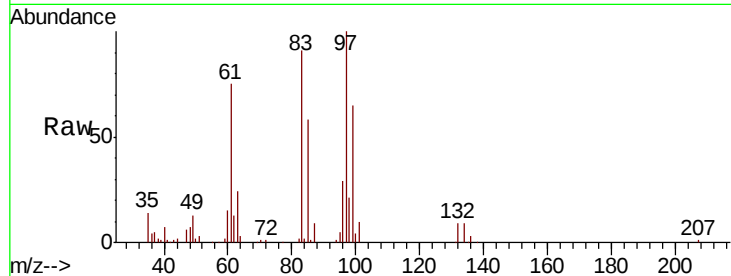




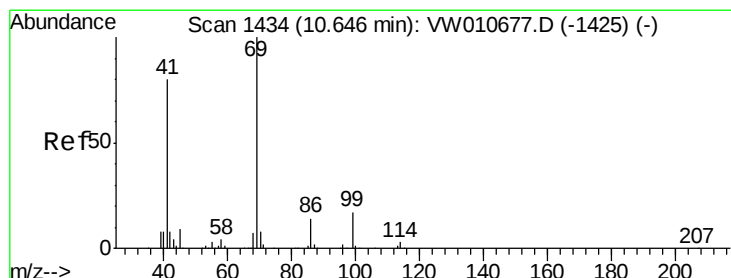
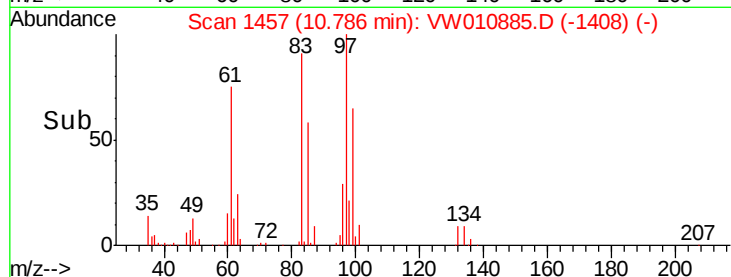
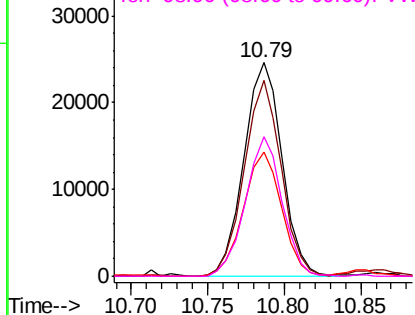
#55
 1,1,2-Trichloroethane
 Concen: 20.957 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010885.D
 Acq: 20 Jun 2019 12:00

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	97	Resp:	42761
Ion	Ratio	Lower	Upper
97	100		
83	91.4	71.1	106.7
85	58.4	45.2	67.8
99	65.1	50.0	75.0

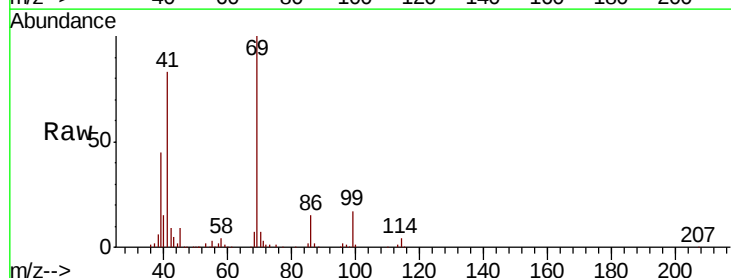


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

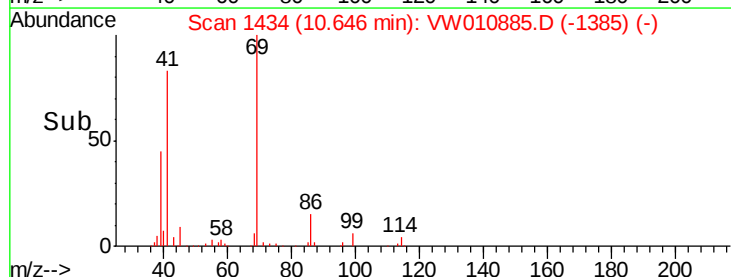
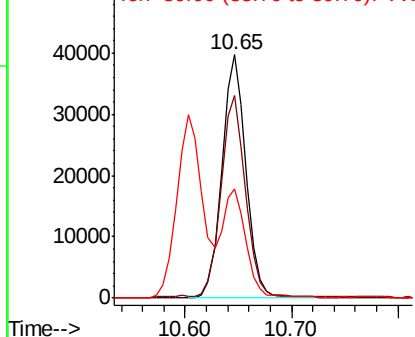


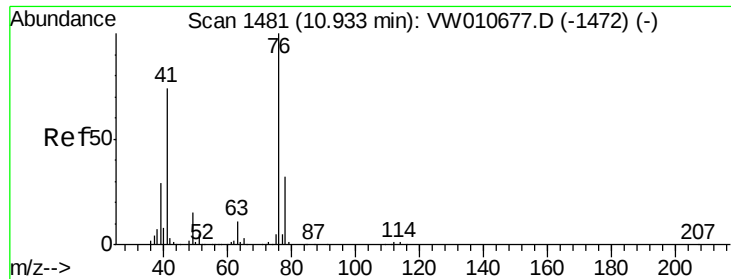
#56
 Ethyl methacrylate
 Concen: 19.954 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010885.D
 Acq: 20 Jun 2019 12:00

Tgt Ion:	69	Resp:	62648
Ion	Ratio	Lower	Upper
69	100		
41	85.6	64.8	97.2
39	41.8	32.2	48.2



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

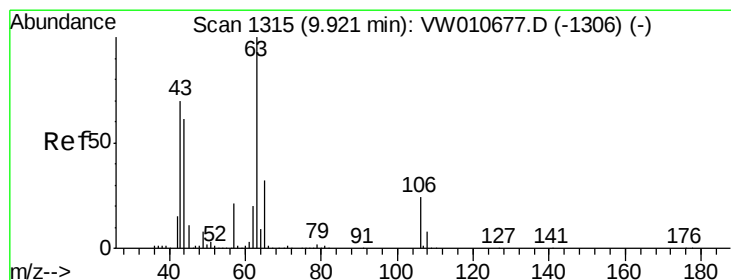
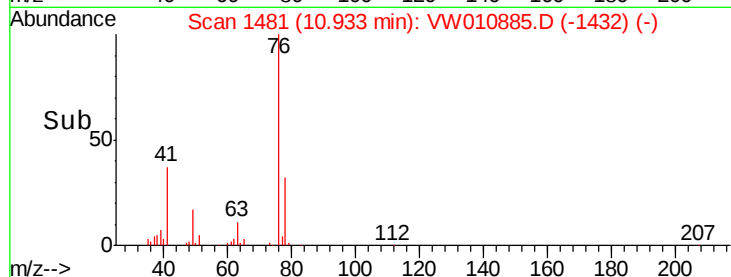
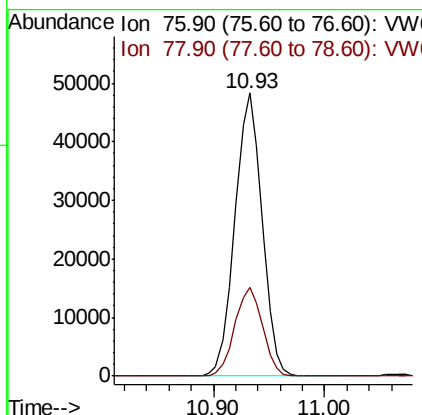
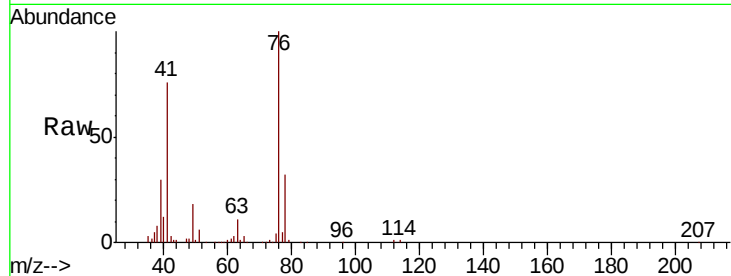




#57
 1,3-Dichloropropane
 Concen: 21.261 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010885.D
 Acq: 20 Jun 2019 12:00

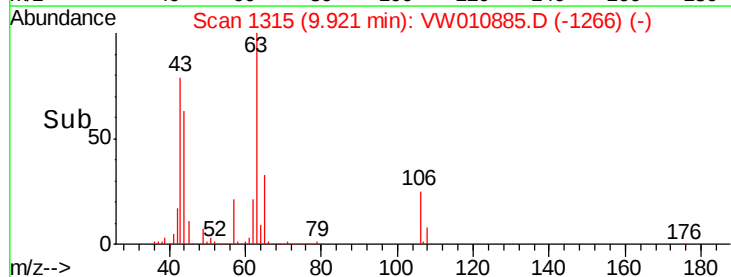
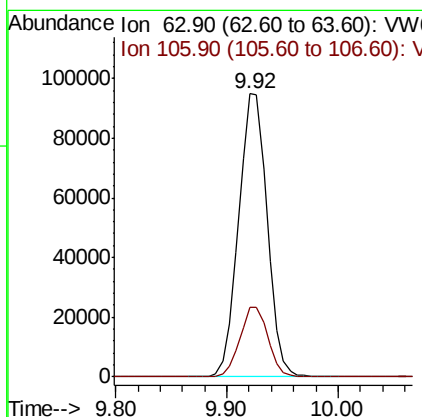
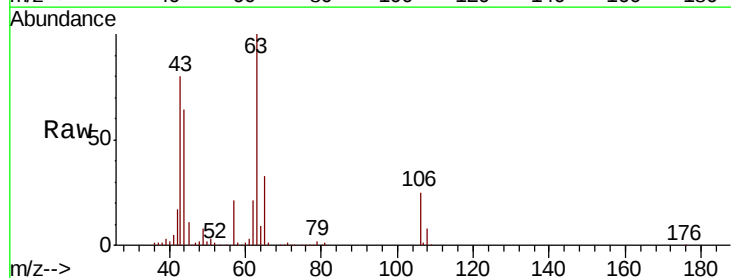
Instrument :
 MSVOA_W
 ClientSampled :

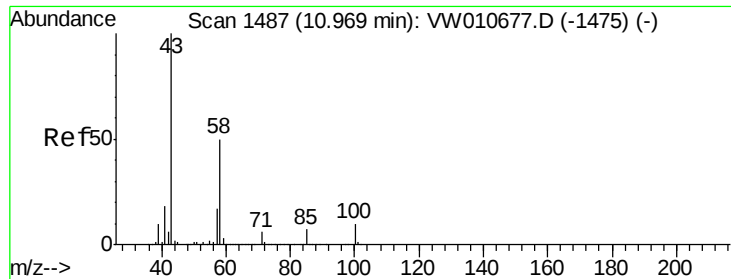
Tot Ion: 76 Resp: 81754
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.832 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW010885.D
 Acq: 20 Jun 2019 12:00

Tgt Ion: 63 Resp: 169104
 Ion Ratio Lower Upper
 63 100
 106 24.4 20.1 30.1

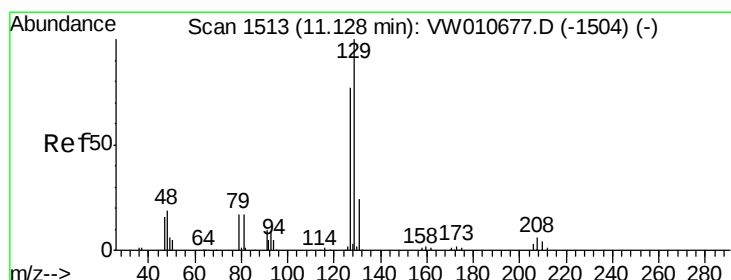
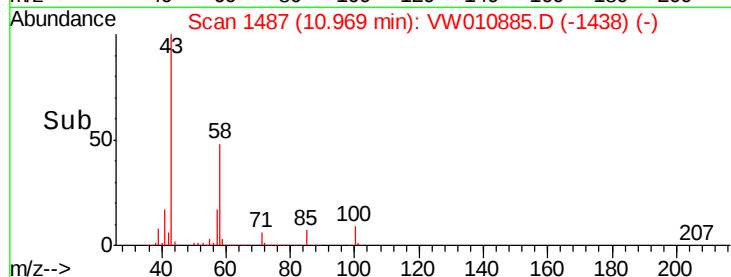
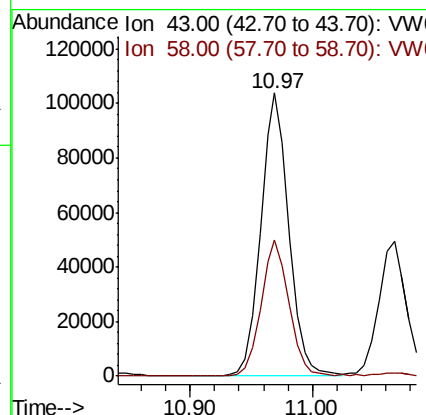
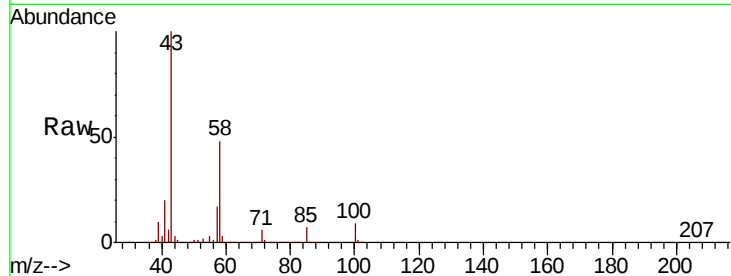




#59
2-Hexanone
Concen: 98.643 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010885.D
Acq: 20 Jun 2019 12:00

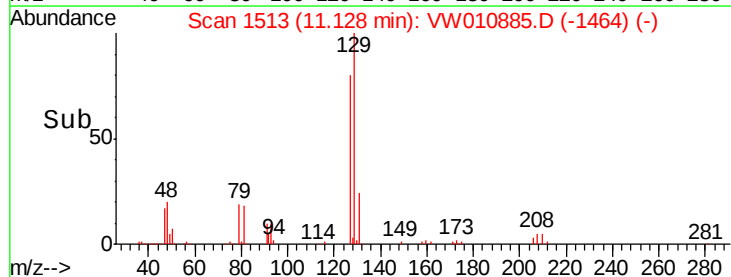
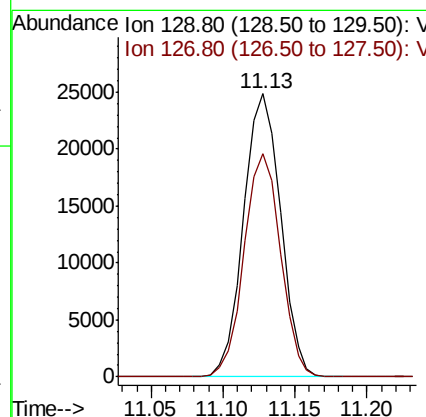
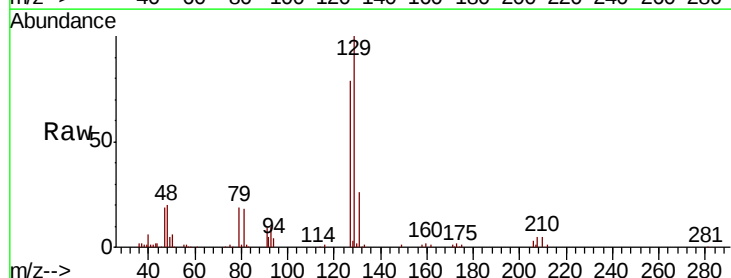
Instrument :
MSVOA_W
ClientSampled :

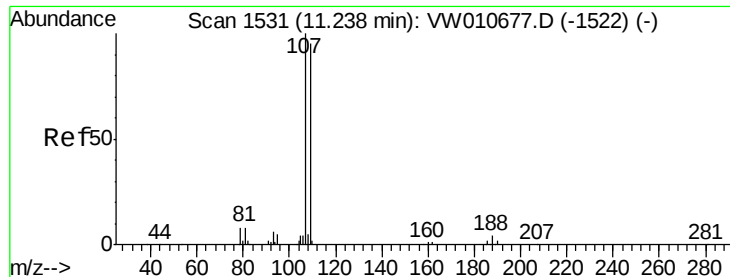
Tot Ion: 43 Resp: 164644
Ion Ratio Lower Upper
43 100
58 48.4 24.9 74.6



#60
Dibromochloromethane
Concen: 19.655 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010885.D
Acq: 20 Jun 2019 12:00

Tgt Ion: 129 Resp: 44457
Ion Ratio Lower Upper
129 100
127 77.6 38.6 116.0

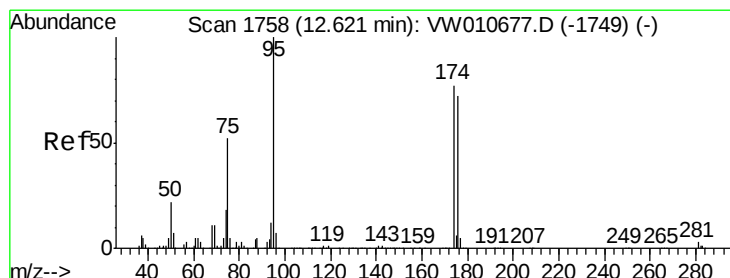
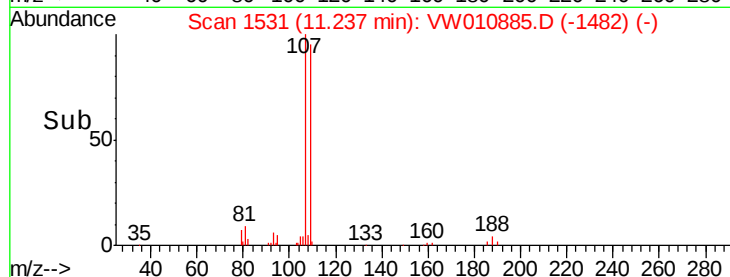
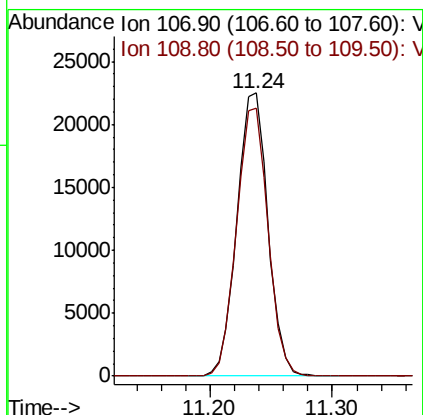
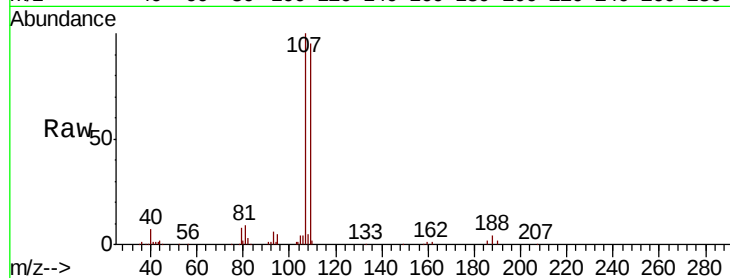




#61
 1,2-Dibromoethane
 Concen: 20.450 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010885.D
 Acq: 20 Jun 2019 12:00

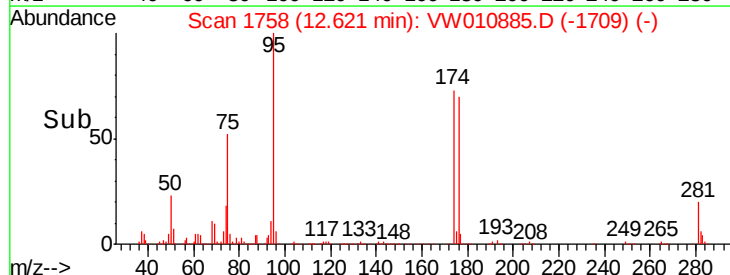
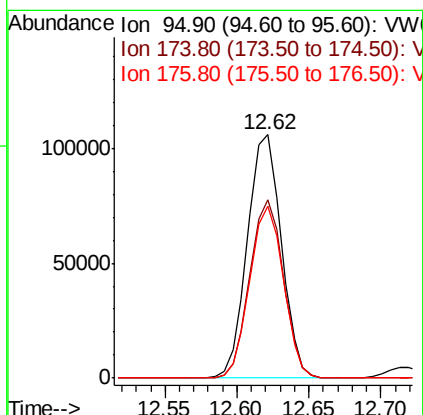
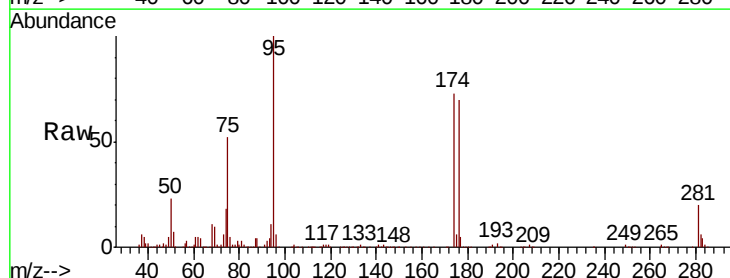
Instrument :
 MSVOA_W
 ClientSampled :

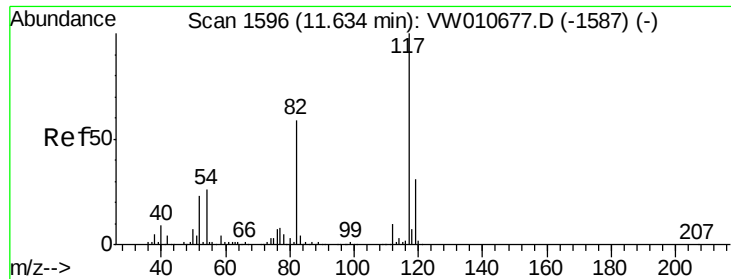
Tot Ion: 107 Resp: 39535
 Ion Ratio Lower Upper
 107 100
 109 95.8 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 48.324 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010885.D
 Acq: 20 Jun 2019 12:00

Tgt Ion: 95 Resp: 172653
 Ion Ratio Lower Upper
 95 100
 174 72.8 0.0 150.4
 176 70.3 0.0 144.8

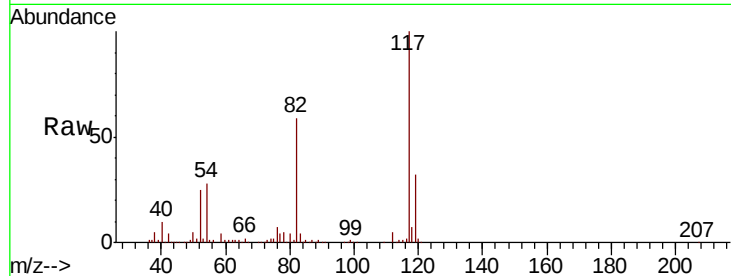




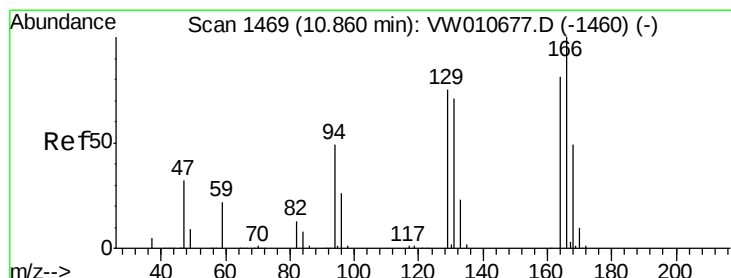
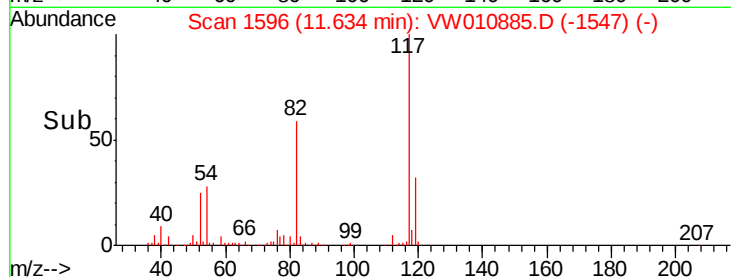
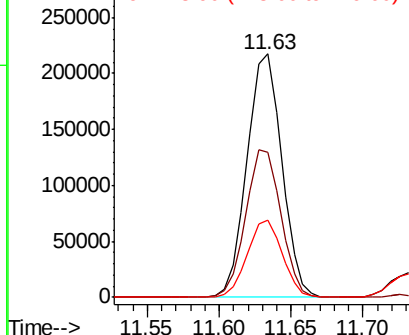
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010885.D
Acq: 20 Jun 2019 12:00

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 364355
Ion Ratio Lower Upper
117 100
82 59.5 47.0 70.4
119 31.7 25.1 37.7

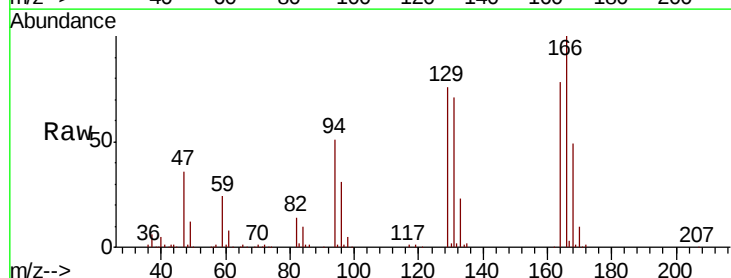


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

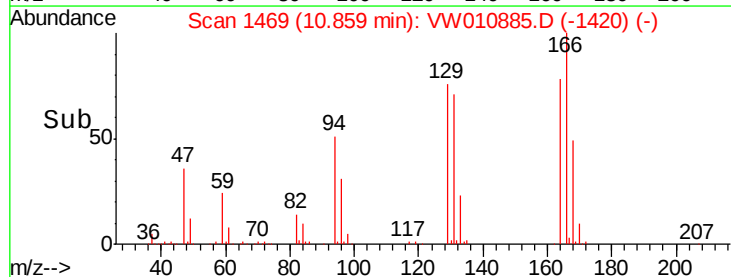
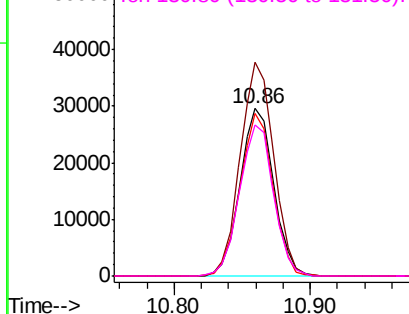


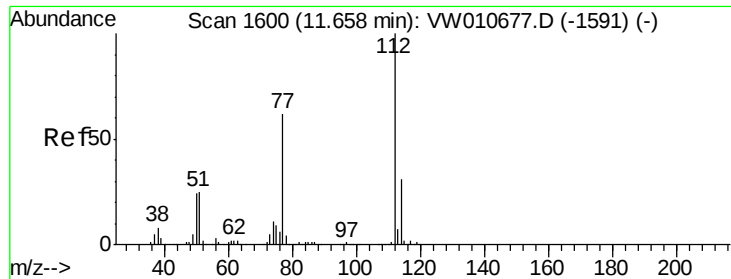
#64
Tetrachloroethene
Concen: 21.148 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010885.D
Acq: 20 Jun 2019 12:00

Tgt Ion:164 Resp: 51160
Ion Ratio Lower Upper
164 100
166 127.4 99.2 148.8
129 97.0 74.6 112.0
131 90.0 70.2 105.4



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

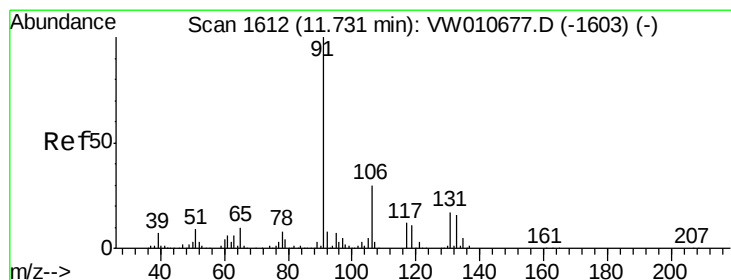
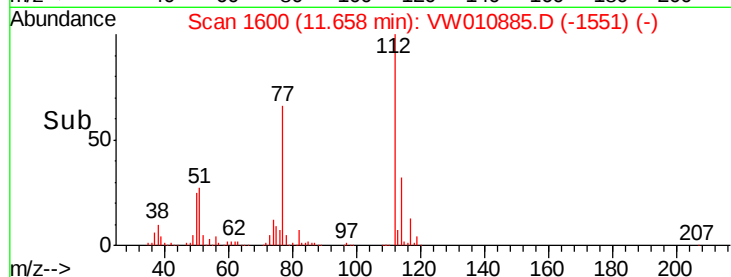
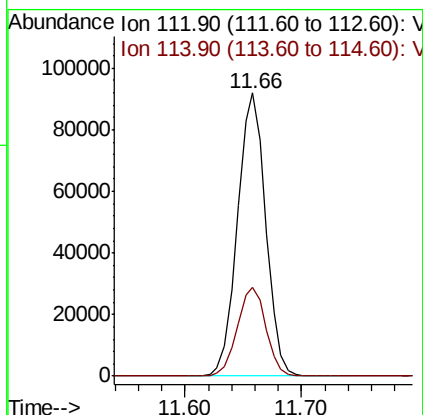
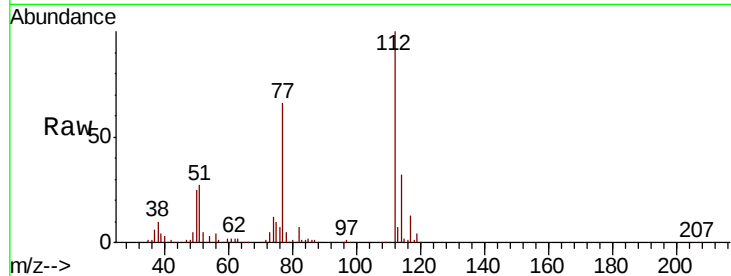




#65
Chlorobenzene
Concen: 21.651 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010885.D
Acq: 20 Jun 2019 12:00

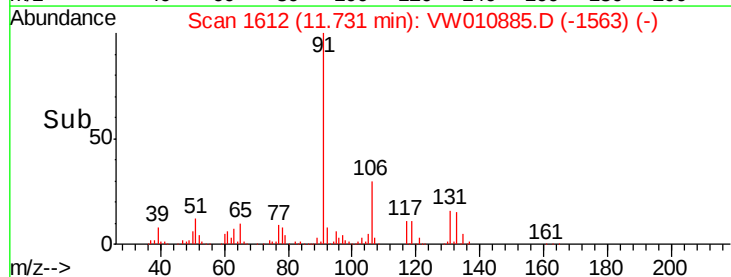
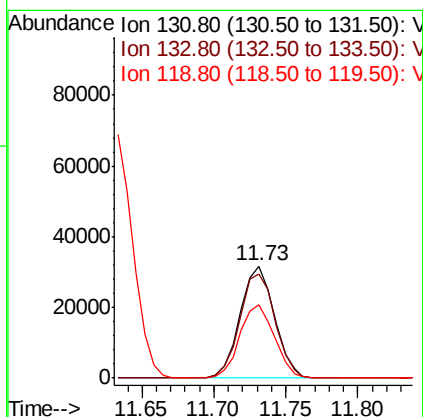
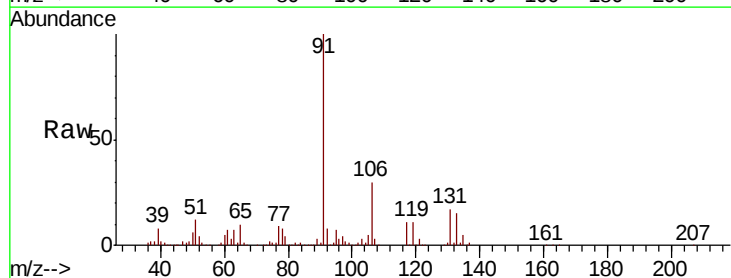
Instrument :
MSVOA_W
ClientSampled :

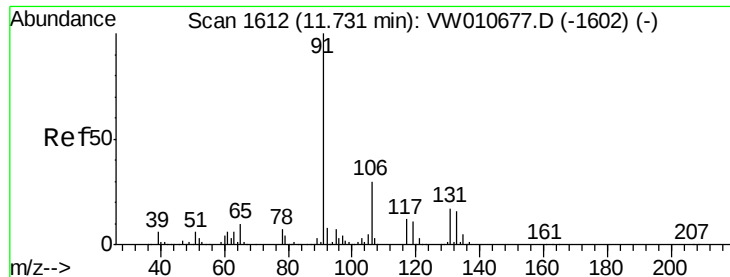
Tot Ion:112 Resp: 155129
Ion Ratio Lower Upper
112 100
114 31.6 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 21.169 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010885.D
Acq: 20 Jun 2019 12:00

Tgt Ion:131 Resp: 52504
Ion Ratio Lower Upper
131 100
133 96.3 47.3 141.9
119 65.9 32.4 97.0

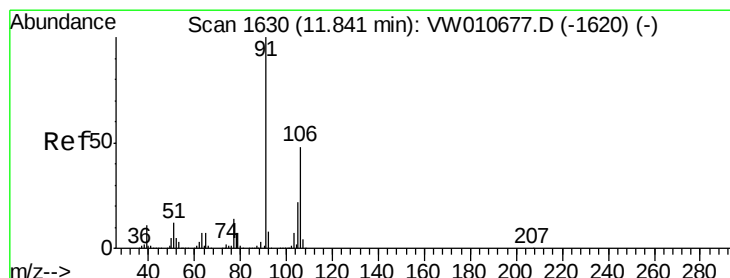
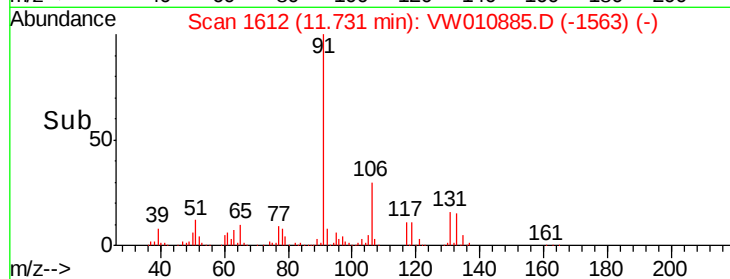
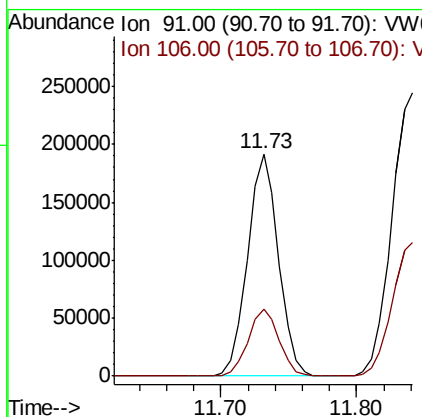
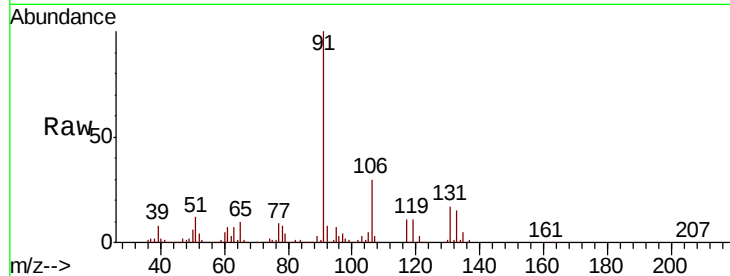




#67
Ethyl Benzene
Concen: 22.056 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010885.D
Acq: 20 Jun 2019 12:00

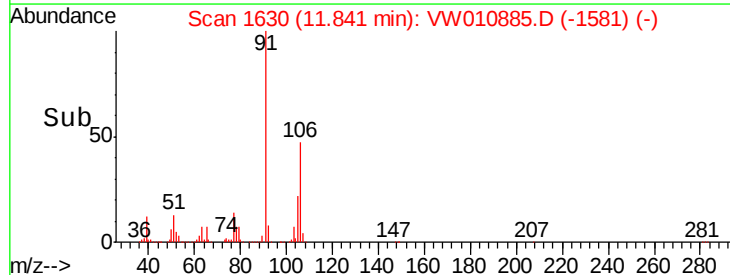
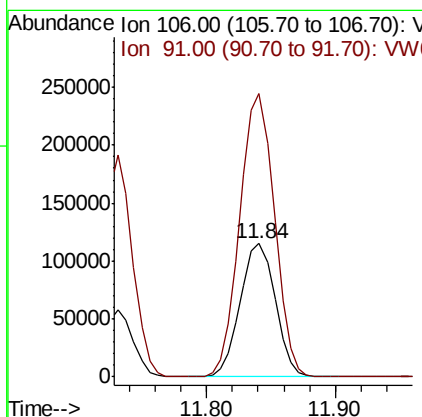
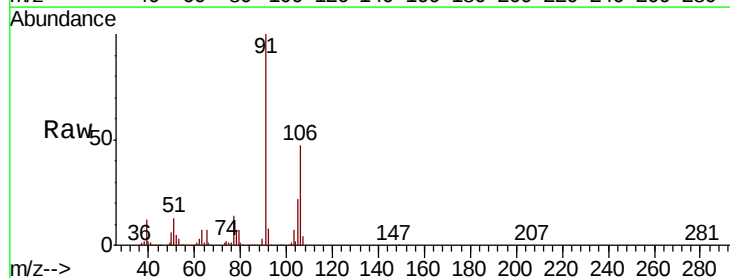
Instrument :
MSVOA_W
ClientSampled :

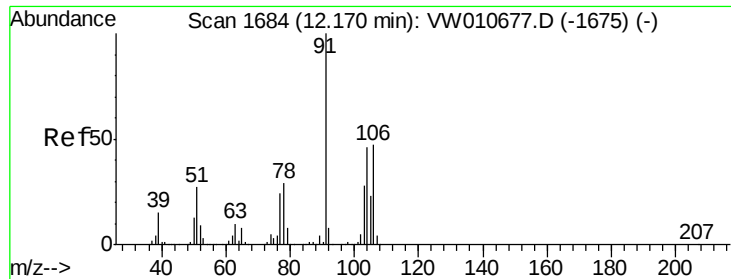
Tot Ion: 91 Resp: 303717
Ion Ratio Lower Upper
91 100
106 30.0 24.2 36.4



#68
m/p-Xylenes
Concen: 44.319 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010885.D
Acq: 20 Jun 2019 12:00

Tgt Ion: 106 Resp: 218463
Ion Ratio Lower Upper
106 100
91 208.9 166.5 249.7

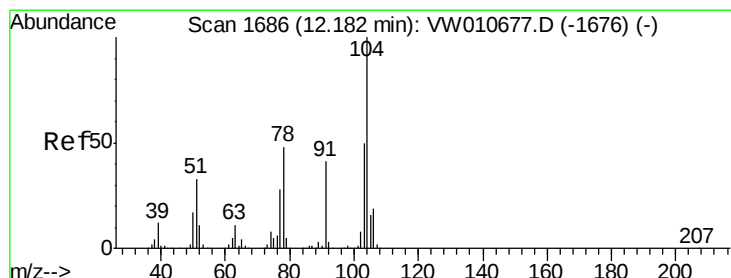
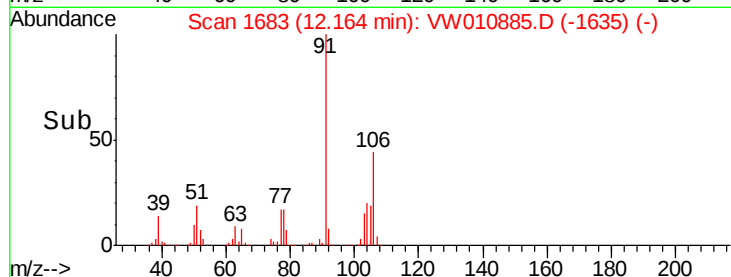
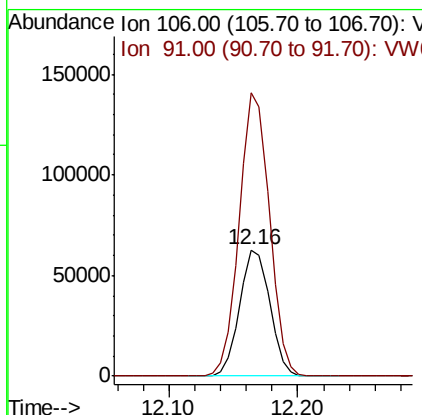
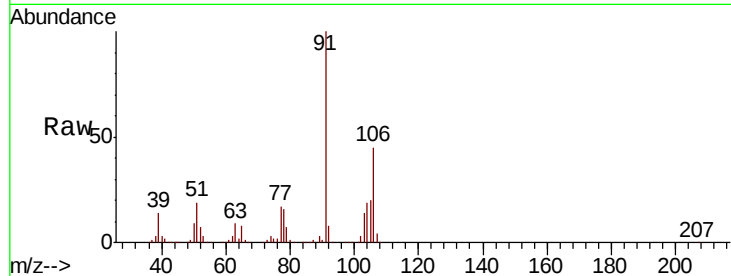




#69
o-Xylene
Concen: 21.836 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010885.D
Acq: 20 Jun 2019 12:00

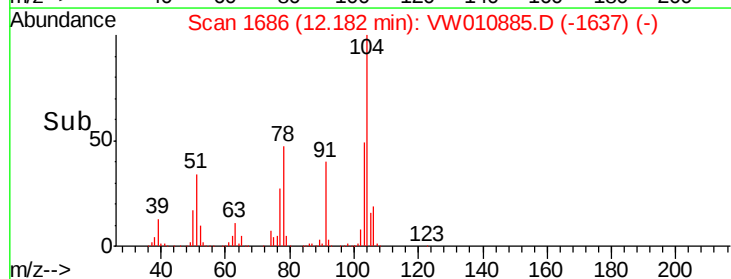
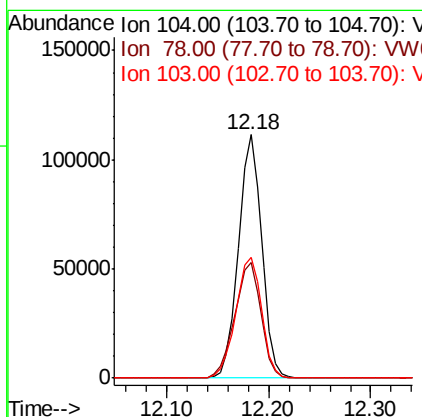
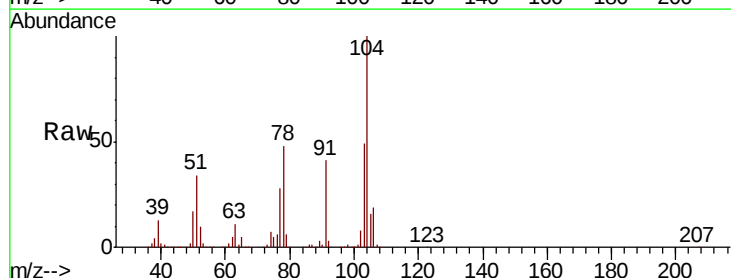
Instrument :
MSVOA_W
ClientSampleId :

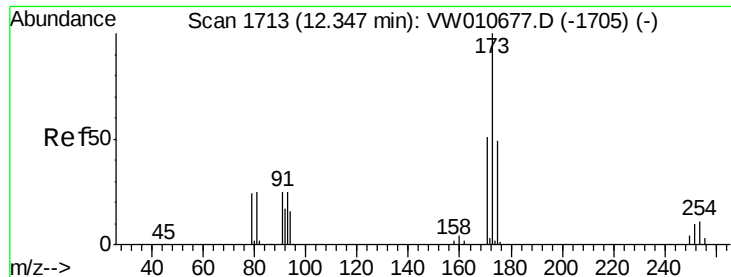
Tot Ion:106 Resp: 102085
Ion Ratio Lower Upper
106 100
91 223.8 108.9 326.6



#70
Styrene
Concen: 21.570 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010885.D
Acq: 20 Jun 2019 12:00

Tgt Ion:104 Resp: 175175
Ion Ratio Lower Upper
104 100
78 53.3 42.7 64.1
103 55.1 43.6 65.4





#71

Bromoform

Concen: 18.096 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW010885.D

Acq: 20 Jun 2019 12:00

Instrument :

MSVOA_W

ClientSampleId :

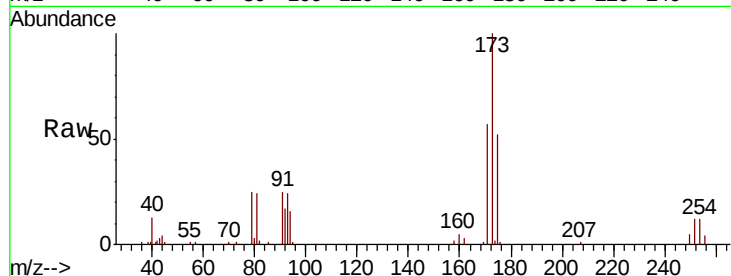
Tot Ion:173 Resp: 23213

Ion Ratio Lower Upper

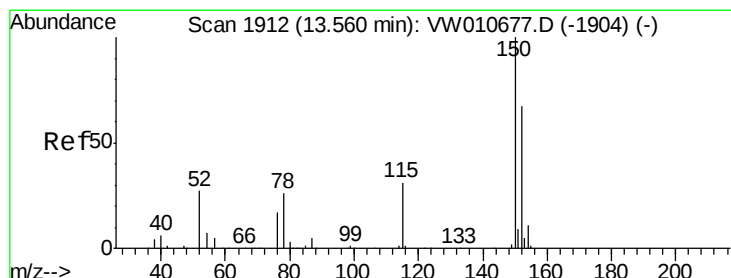
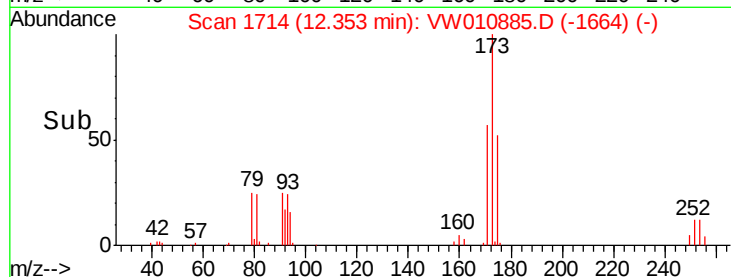
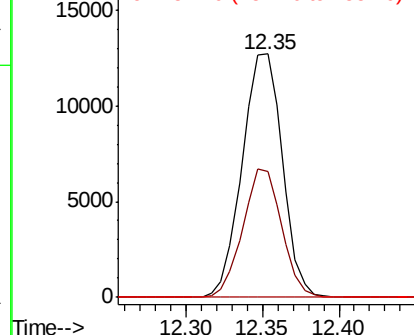
173 100

175 50.9 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: VW010885.D

Acq: 20 Jun 2019 12:00

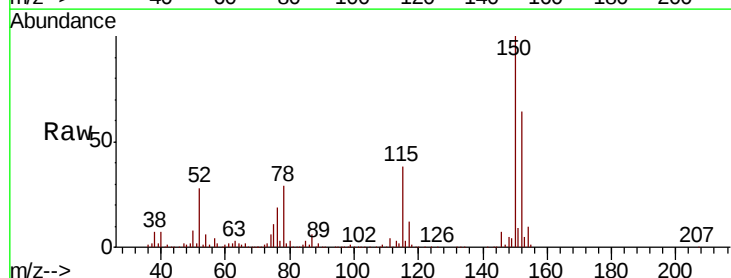
Tgt Ion:152 Resp: 173410

Ion Ratio Lower Upper

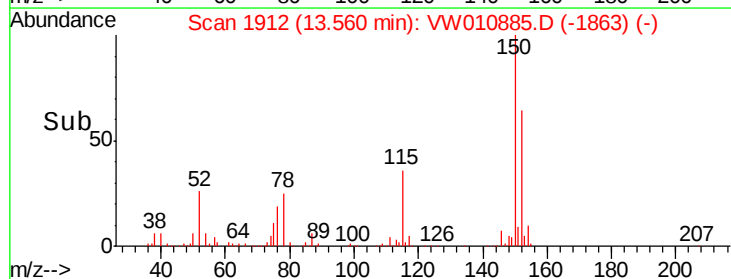
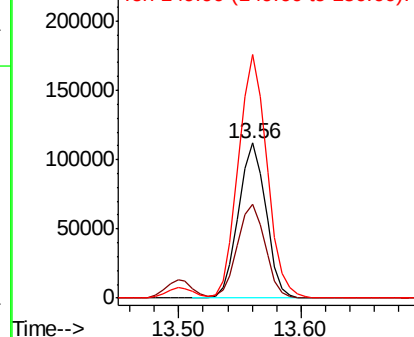
152 100

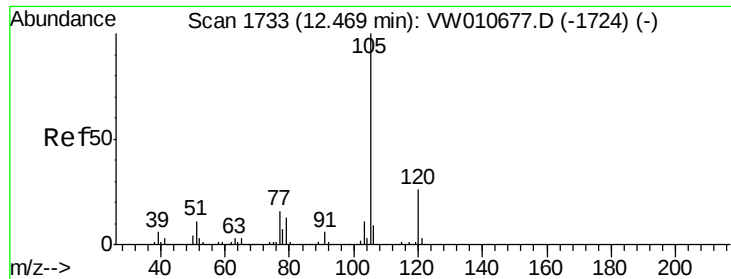
115 61.4 29.8 89.3

150 164.1 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: 22.032 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010885.D

Acq: 20 Jun 2019 12:00

Instrument :

MSVOA_W

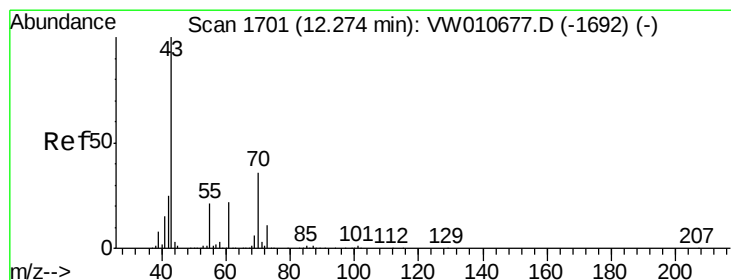
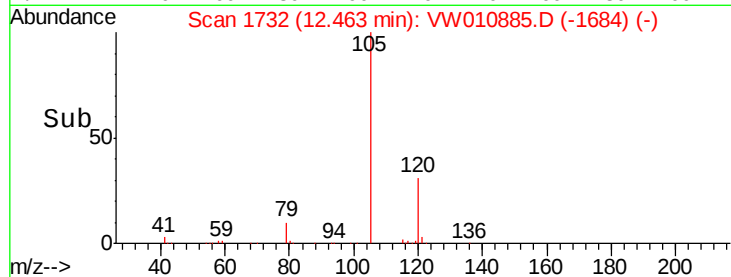
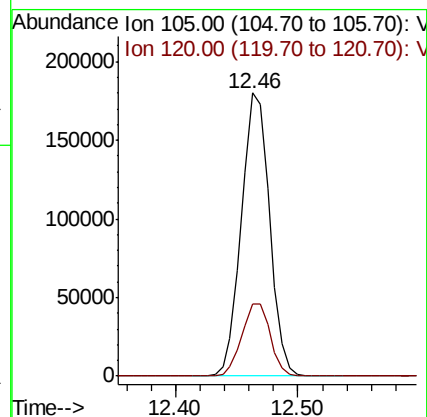
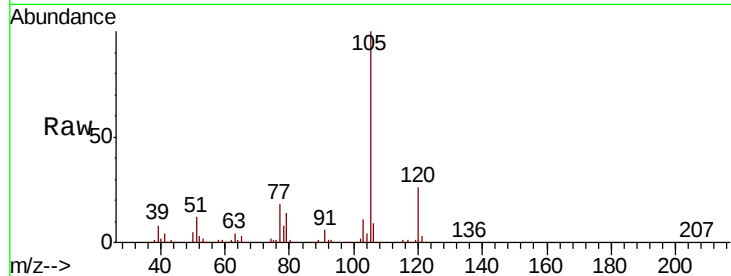
ClientSampleId :

Tot Ion:105 Resp: 287096

Ion Ratio Lower Upper

105 100

120 25.9 13.1 39.1



#74

N-ethyl acetate

Concen: 19.822 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010885.D

Acq: 20 Jun 2019 12:00

Tgt Ion: 43 Resp: 83480

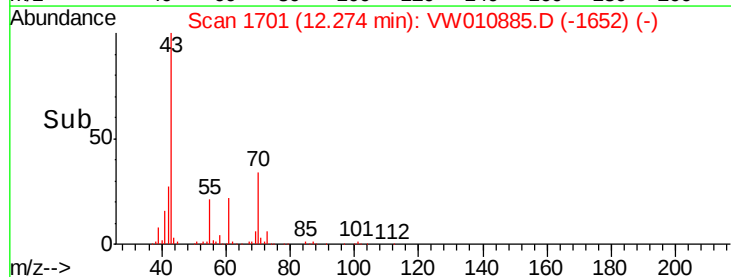
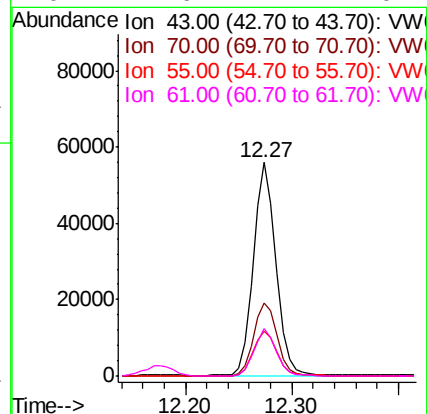
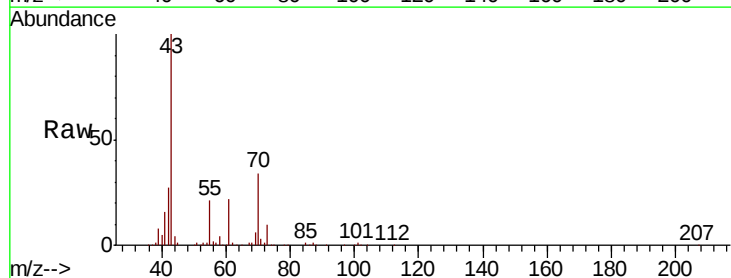
Ion Ratio Lower Upper

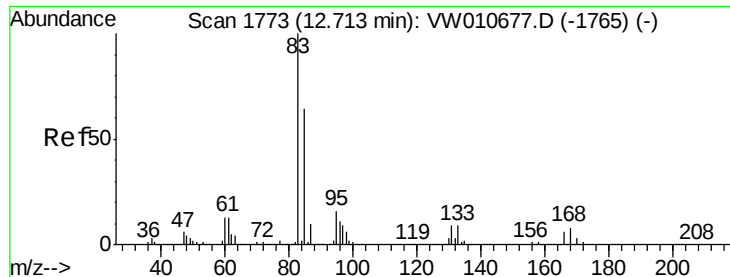
43 100

70 35.7 29.2 43.8

55 22.4 17.5 26.3

61 21.6 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.107 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW010885.D

Acq: 20 Jun 2019 12:00

Instrument :

MSVOA_W

ClientSampleId :

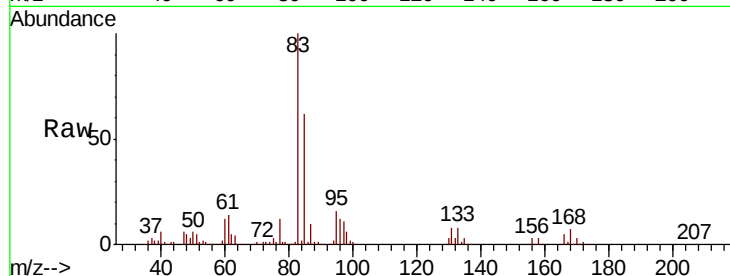
Tot Ion: 83 Resp: 49881

Ion Ratio Lower Upper

83 100

131 9.5 4.9 14.7

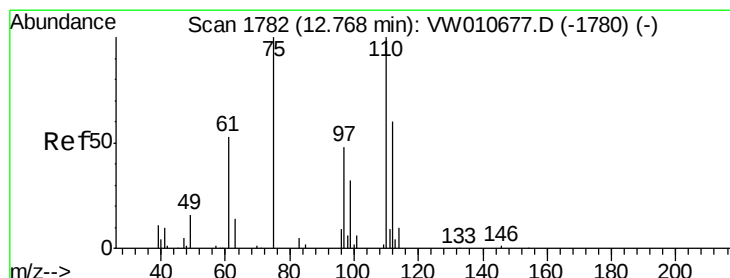
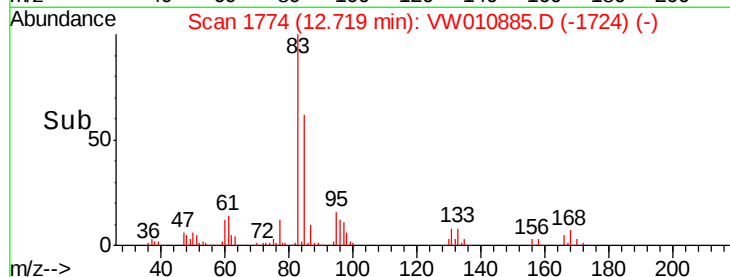
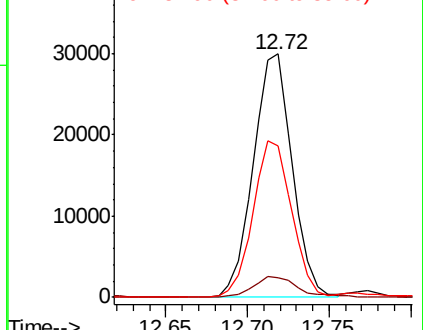
85 63.9 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 36.246 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010885.D

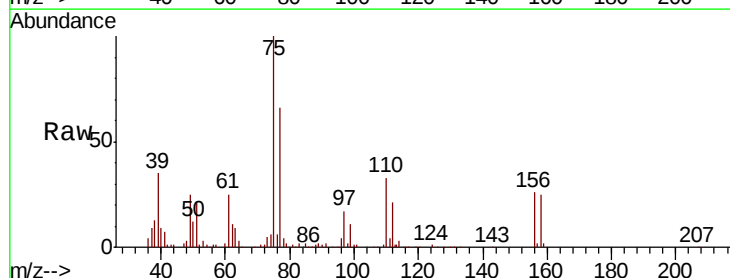
Acq: 20 Jun 2019 12:00

Tgt Ion: 75 Resp: 66005

Ion Ratio Lower Upper

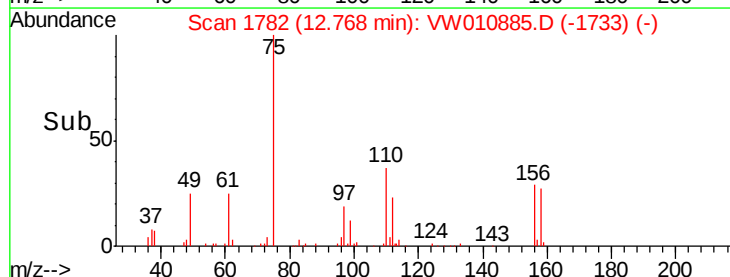
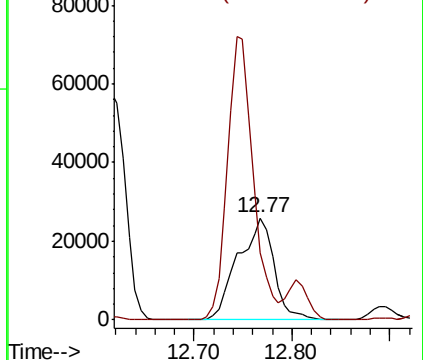
75 100

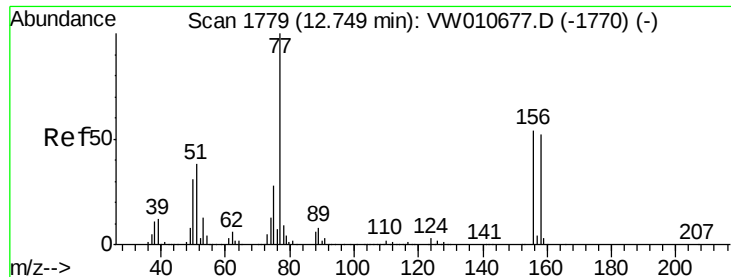
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.442 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010885.D

Acq: 20 Jun 2019 12:00

Instrument :

MSVOA_W

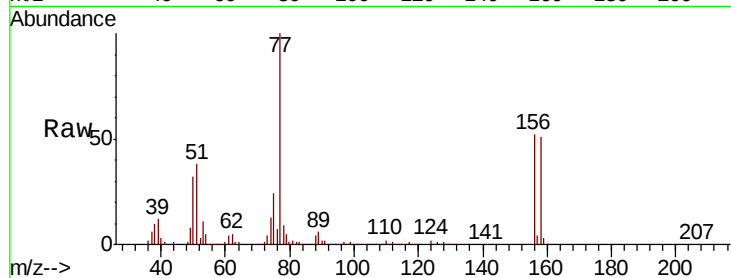
ClientSampleId :

Tot Ion:156 Resp: 60992

Ion	Ratio	Lower	Upper
156	100		
77	217.0	106.5	319.4
158	96.5	48.3	144.9

77 217.0 106.5 319.4

158 96.5 48.3 144.9

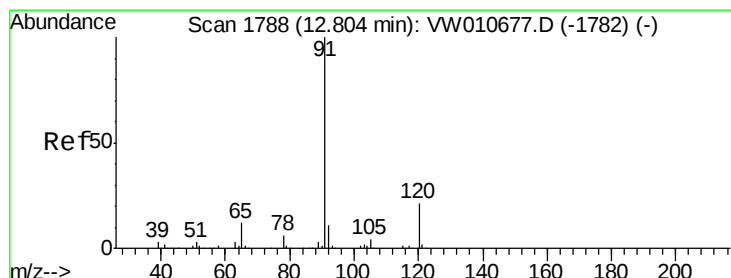
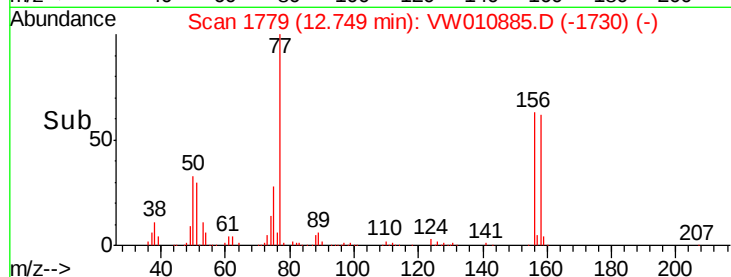
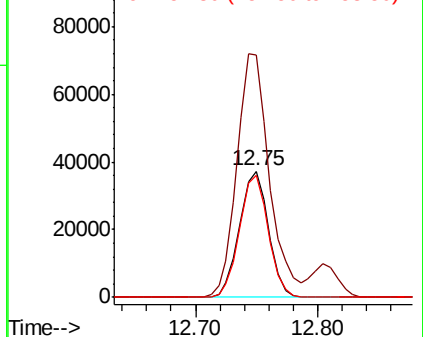


Abundance

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: 22.378 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010885.D

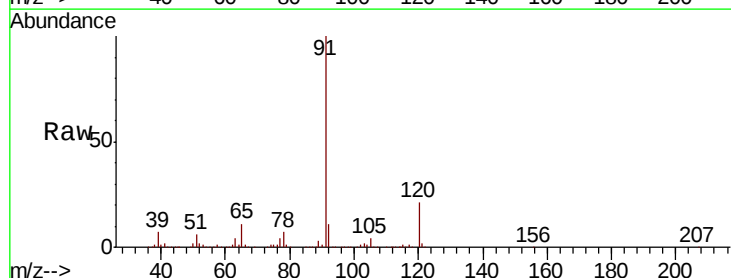
Acq: 20 Jun 2019 12:00

Tgt Ion: 91 Resp: 351624

Ion	Ratio	Lower	Upper
91	100		
120	21.4	10.8	32.4

91 100

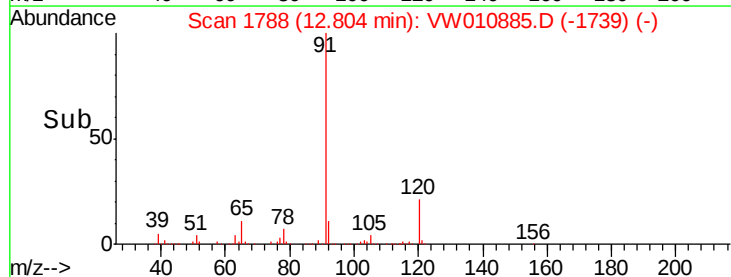
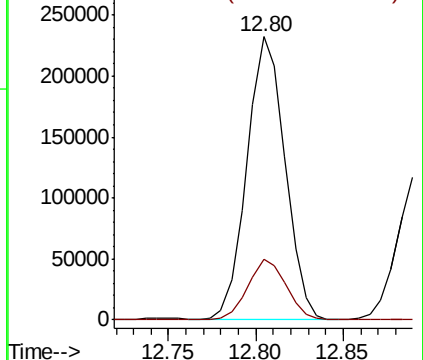
120 21.4 10.8 32.4

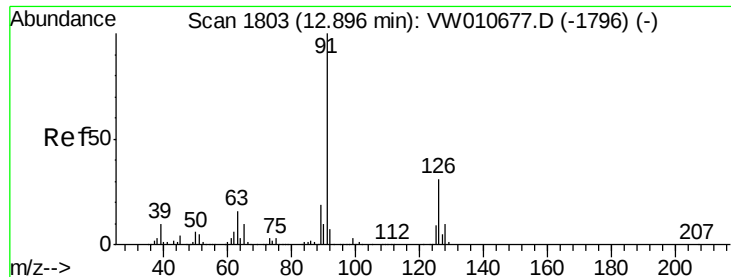


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.167 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010885.D

Acq: 20 Jun 2019 12:00

Instrument :

MSVOA_W

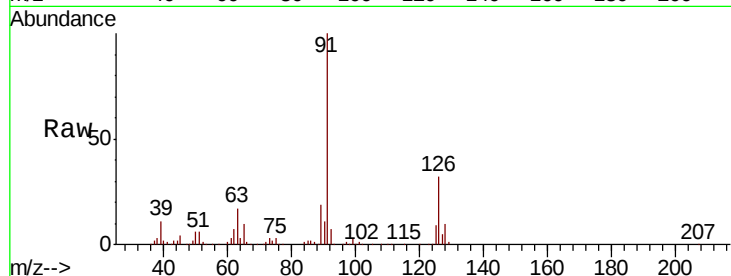
ClientSampleId :

Tot Ion: 91 Resp: 198991

Ion Ratio Lower Upper

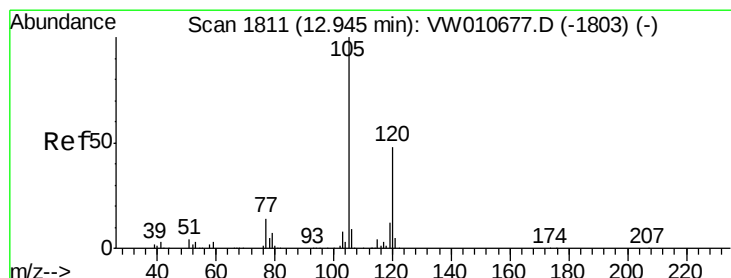
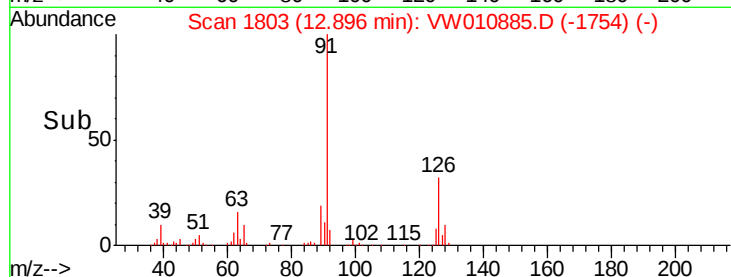
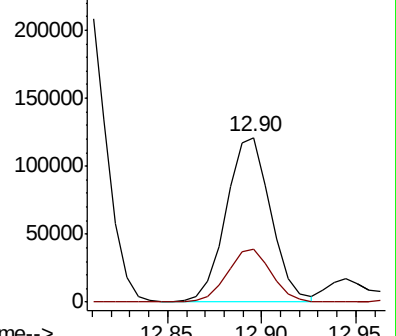
91 100

126 31.4 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: 22.082 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010885.D

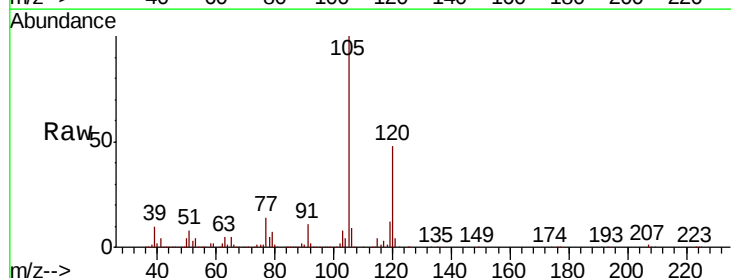
Acq: 20 Jun 2019 12:00

Tgt Ion:105 Resp: 235527

Ion Ratio Lower Upper

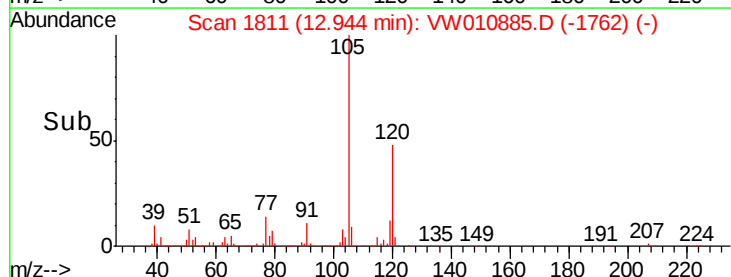
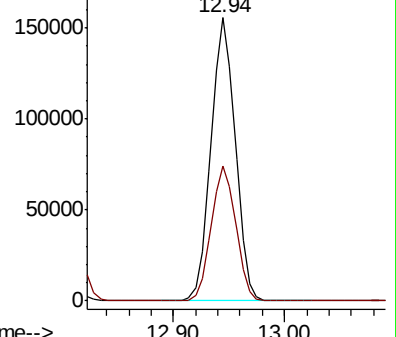
105 100

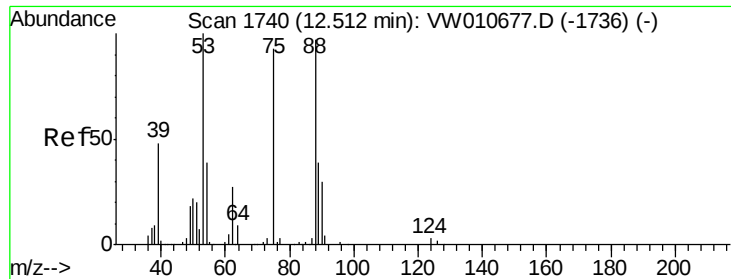
120 48.1 24.3 72.8



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: 17.918 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010885.D

Acq: 20 Jun 2019 12:00

Instrument :

MSVOA_W

ClientSampleId :

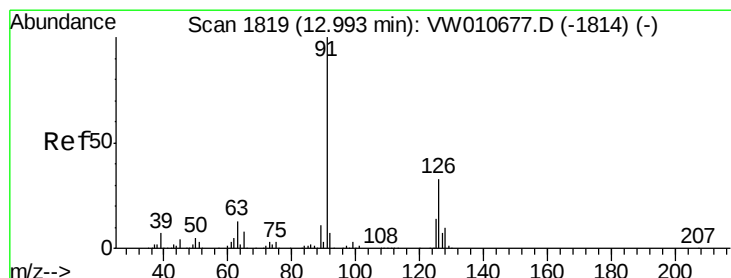
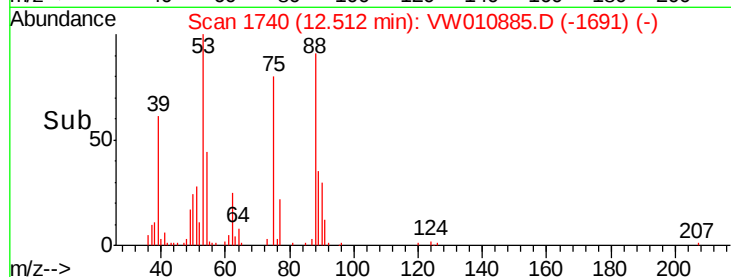
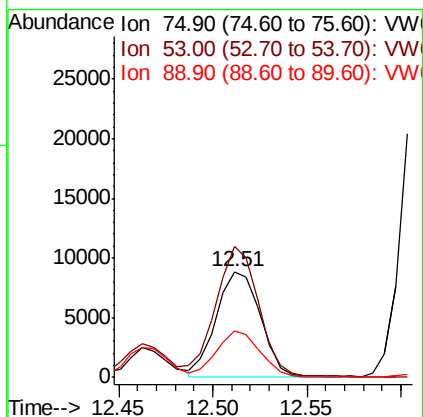
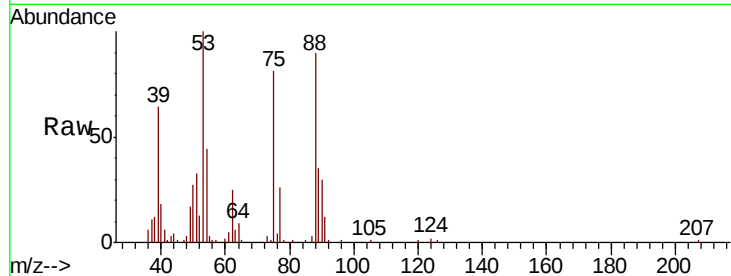
Tot Ion: 75 Resp: 14197

Ion Ratio Lower Upper

75 100

53 122.9 90.1 135.1

89 44.2 34.6 52.0



#82

4-Chlorotoluene

Concen: 22.228 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW010885.D

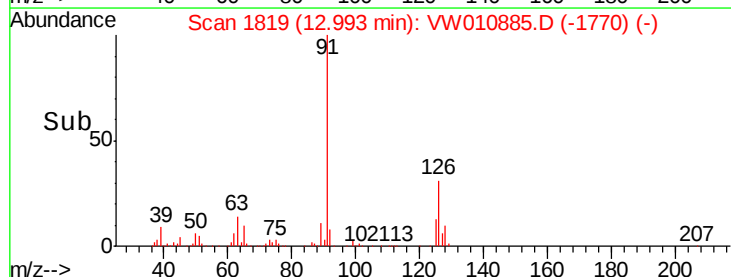
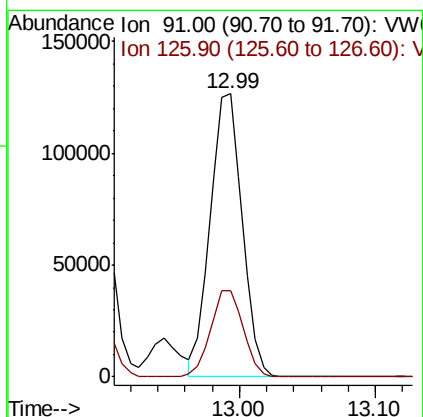
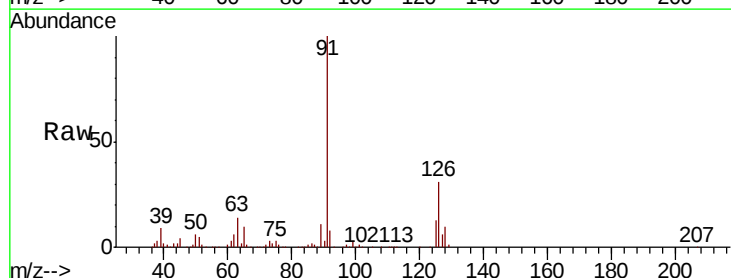
Acq: 20 Jun 2019 12:00

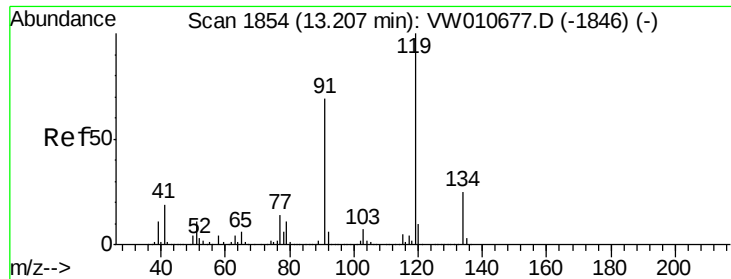
Tgt Ion: 91 Resp: 205923

Ion Ratio Lower Upper

91 100

126 31.3 15.9 47.7

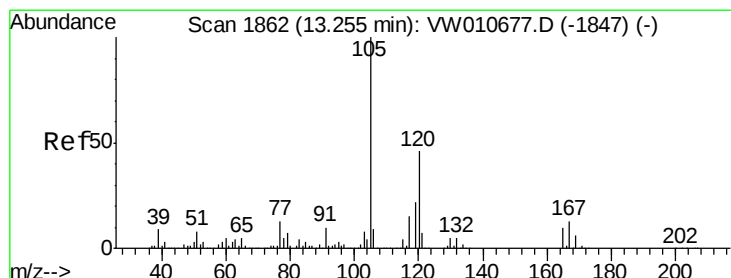
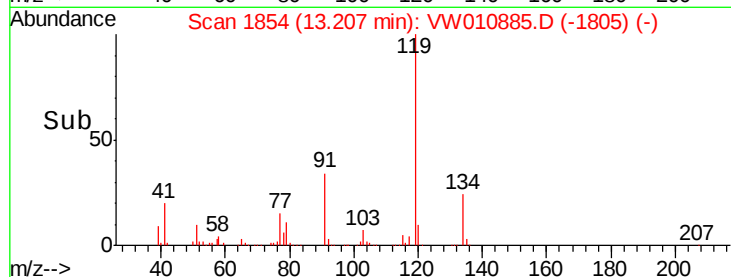
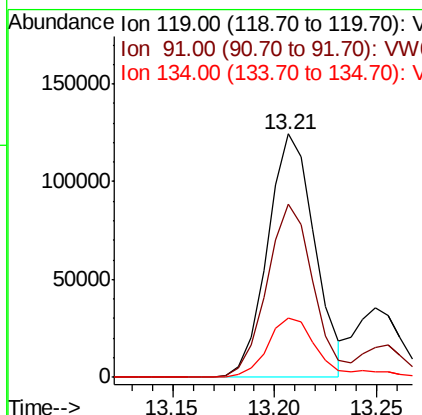
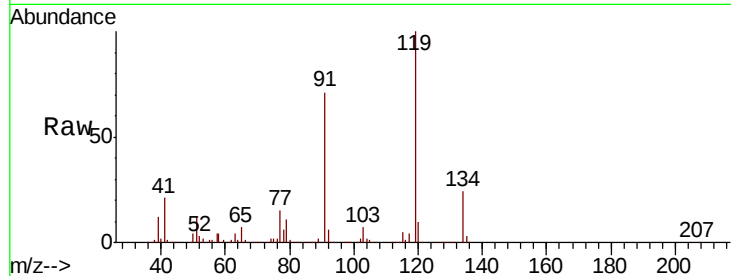




#83
tert-Butylbenzene
Concen: 22.146 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010885.D
Acq: 20 Jun 2019 12:00

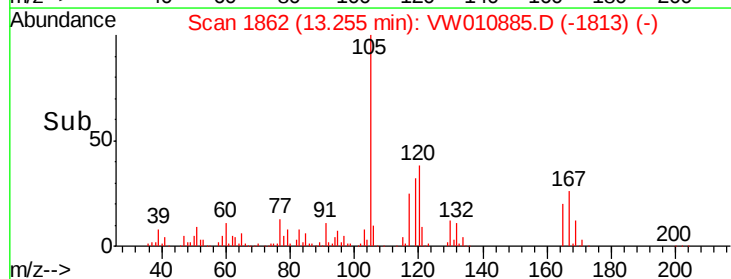
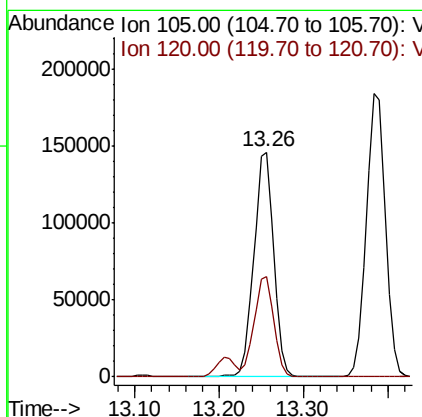
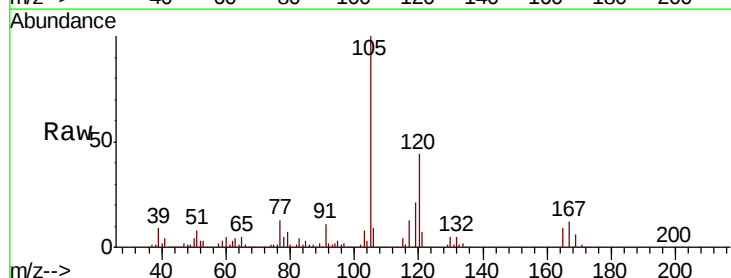
Instrument :
MSVOA_W
ClientSampleId :

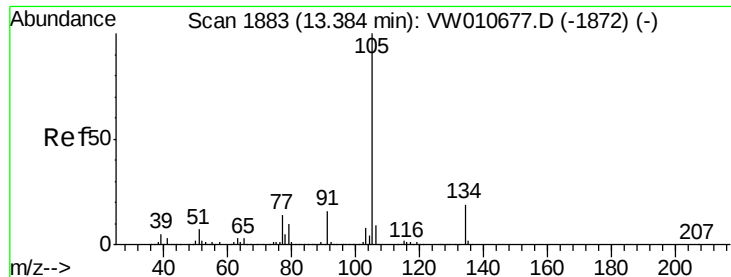
Tot Ion:119 Resp: 200468
Ion Ratio Lower Upper
119 100
91 70.5 35.1 105.3
134 26.8 13.6 40.7



#84
1,2,4-Trimethylbenzene
Concen: 21.752 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010885.D
Acq: 20 Jun 2019 12:00

Tgt Ion:105 Resp: 233474
Ion Ratio Lower Upper
105 100
120 44.0 22.5 67.5

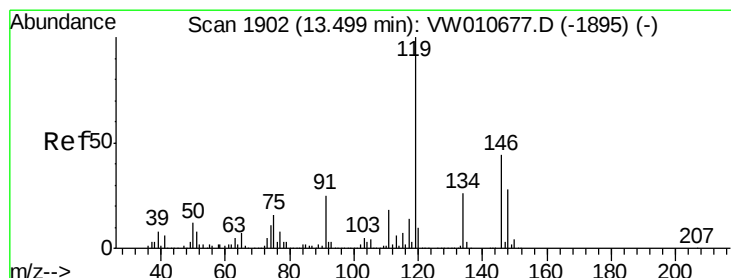
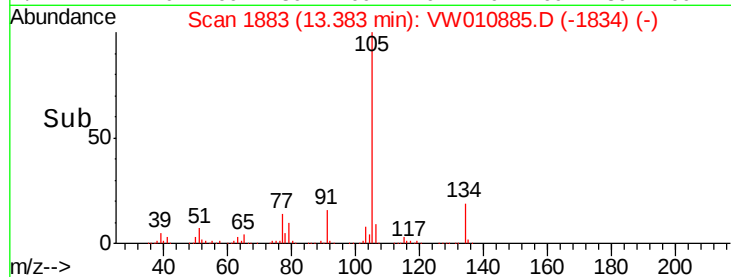
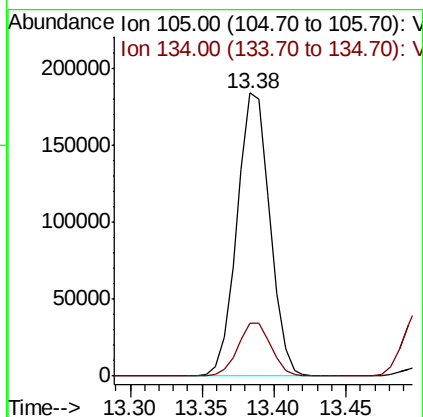
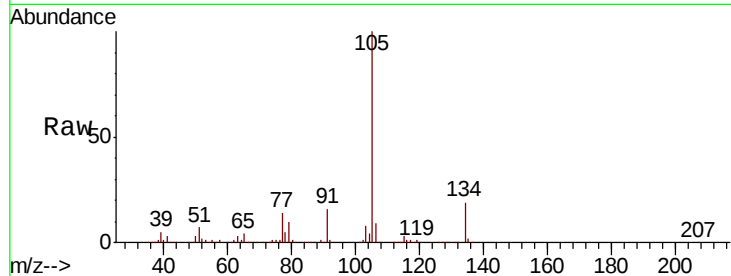




#85
 sec-Butylbenzene
 Concen: 22.066 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010885.D
 Acq: 20 Jun 2019 12:00

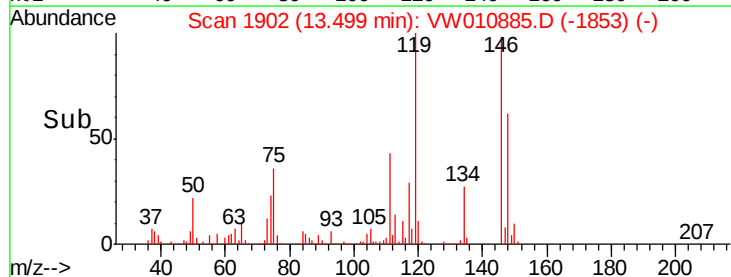
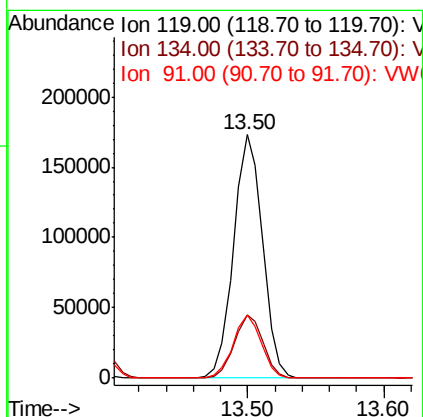
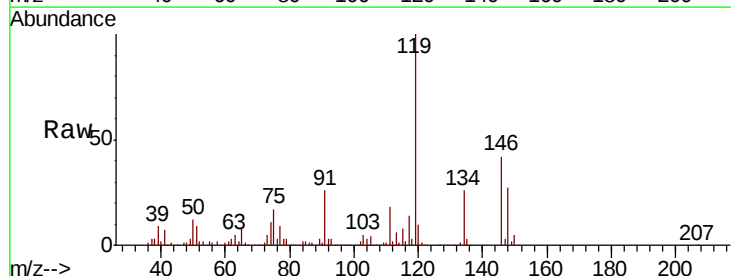
Instrument :
 MSVOA_W
 ClientSampleId :

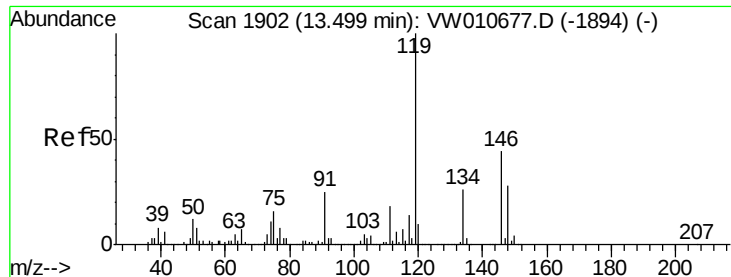
Tot Ion:105 Resp: 290817
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.7 28.9



#86
 p-Isopropyltoluene
 Concen: 21.709 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010885.D
 Acq: 20 Jun 2019 12:00

Tgt Ion:119 Resp: 255856
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.0 39.0
 91 25.1 12.2 36.4

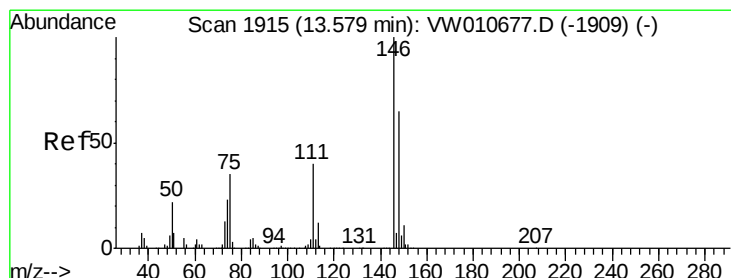
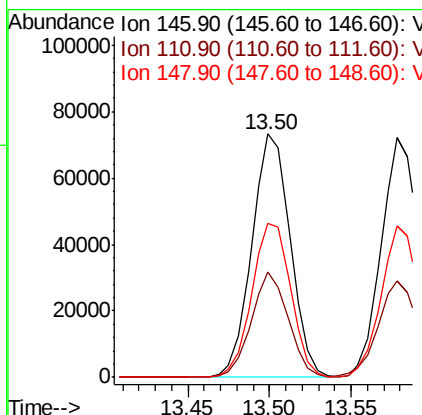
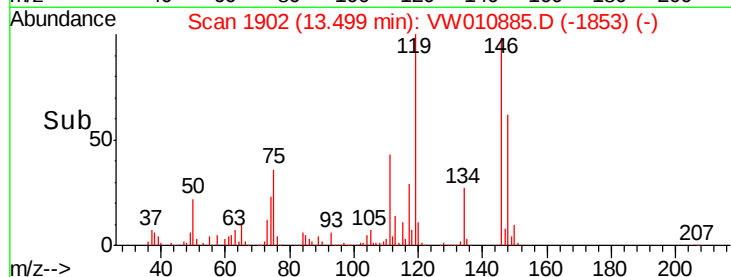
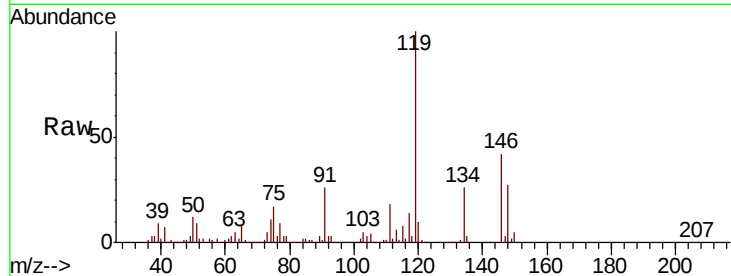




#87
 1,3-Dichlorobenzene
 Concen: 21.870 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010885.D
 Acq: 20 Jun 2019 12:00

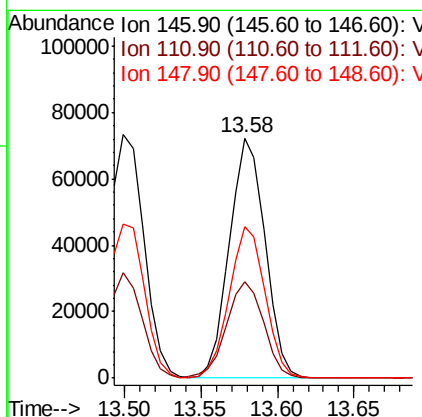
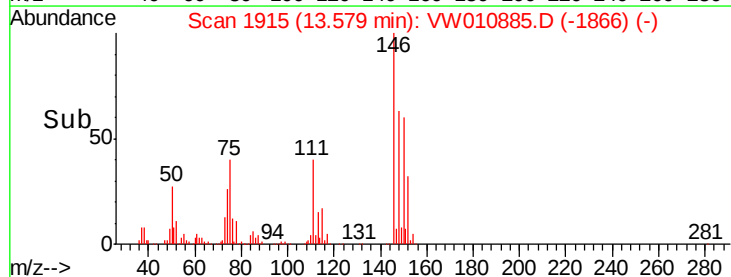
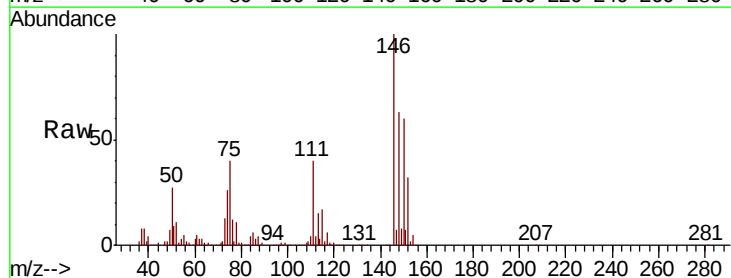
Instrument :
 MSVOA_W
 ClientSampled :

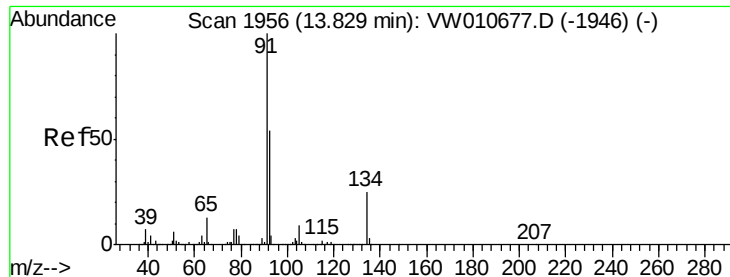
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.4	61.3
148	64.2	31.5	94.5



#88
 1,4-Dichlorobenzene
 Concen: 21.543 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010885.D
 Acq: 20 Jun 2019 12:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.3	60.9
148	63.0	32.4	97.2





#89

n-Butylbenzene

Concen: 22.114 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010885.D

Acq: 20 Jun 2019 12:00

Instrument :

MSVOA_W

ClientSampled :

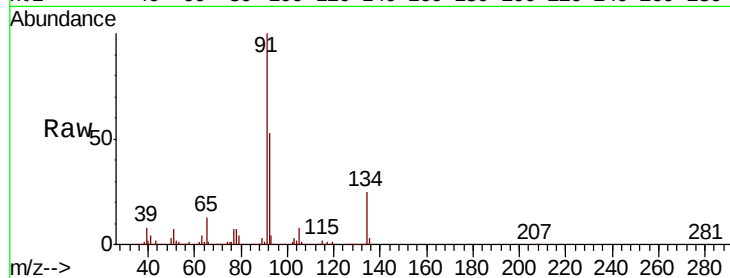
Tot Ion: 91 Resp: 260049

Ion Ratio Lower Upper

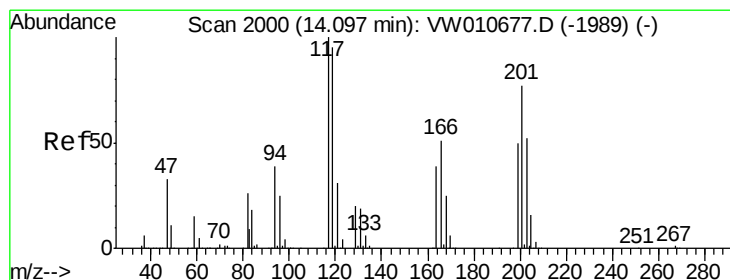
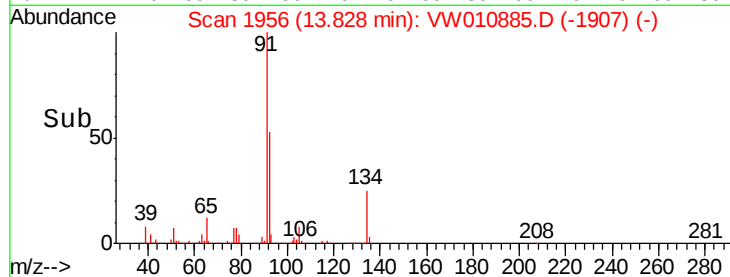
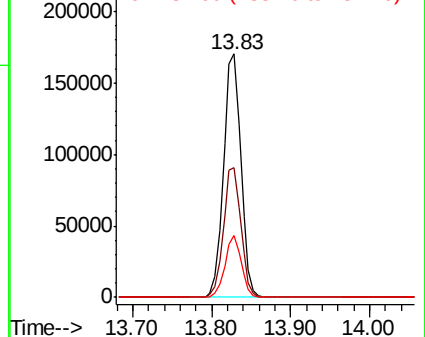
91 100

92 53.3 27.3 81.8

134 23.8 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 20.479 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010885.D

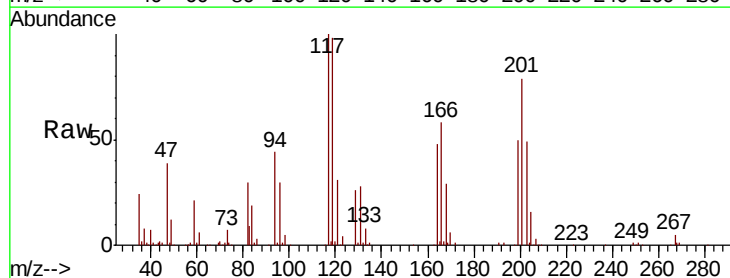
Acq: 20 Jun 2019 12:00

Tgt Ion: 117 Resp: 43224

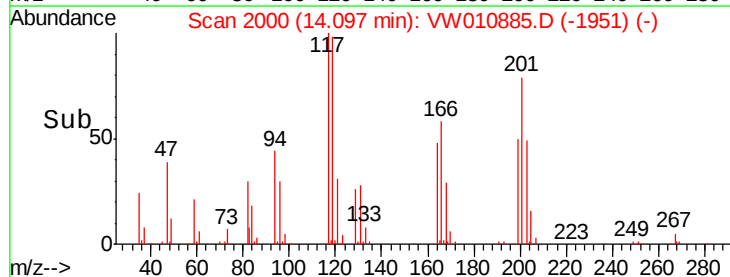
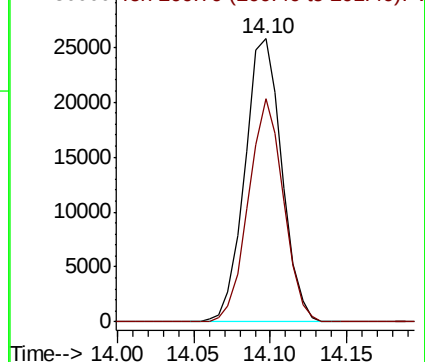
Ion Ratio Lower Upper

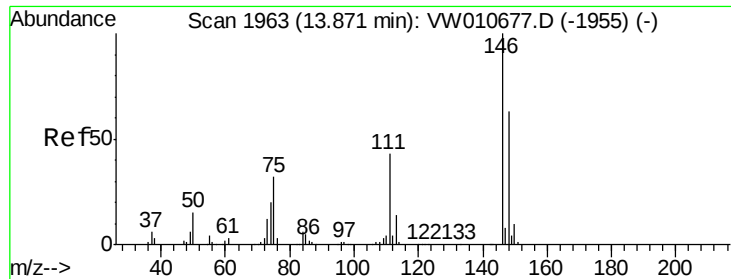
117 100

201 74.9 38.8 116.4



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

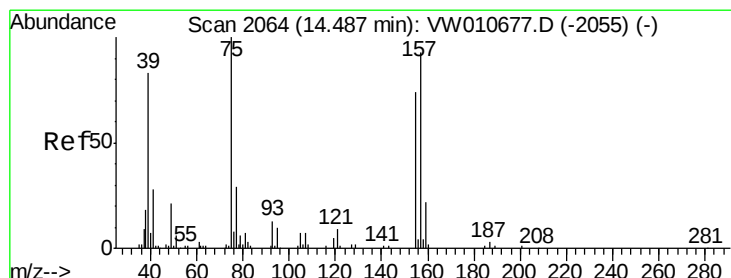
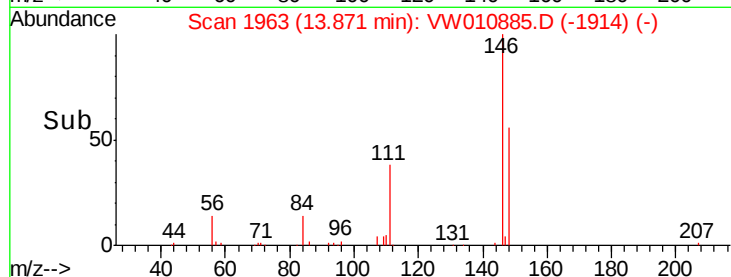
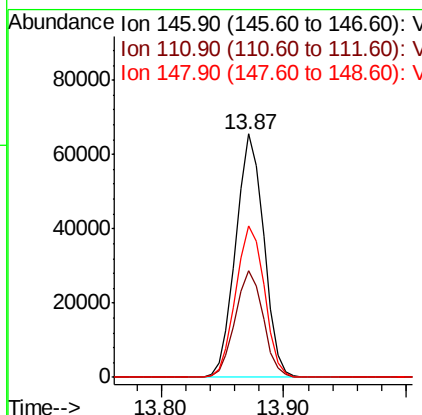
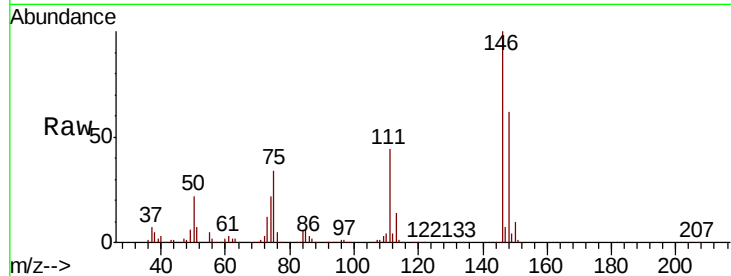




#91
 1,2-Dichlorobenzene
 Concen: 21.132 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010885.D
 Acq: 20 Jun 2019 12:00

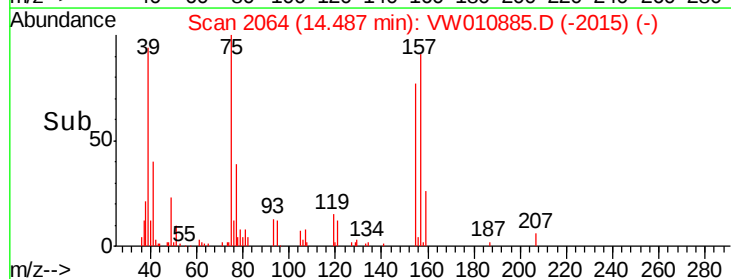
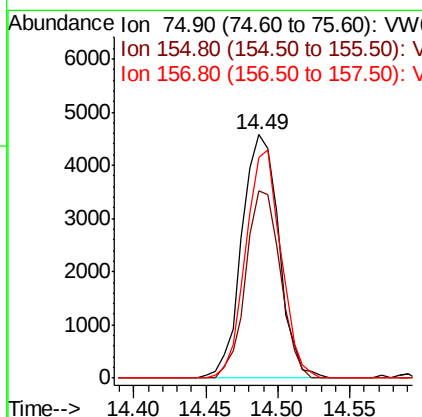
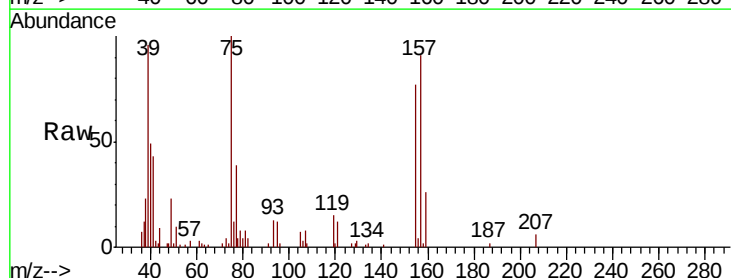
Instrument :
 MSVOA_W
 ClientSampleId :

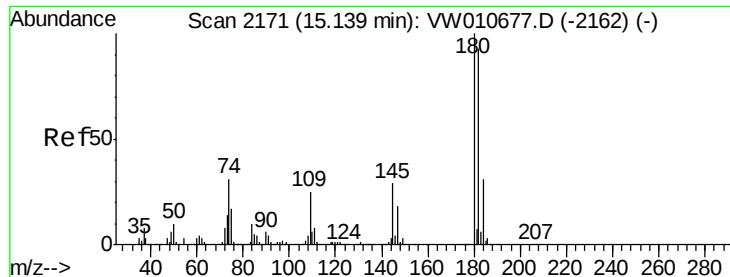
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.5	64.5
148	63.8	31.9	95.5



#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: VW010885.D
 Acq: 20 Jun 2019 12:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.8	38.8	116.4
157	88.5	48.4	145.0

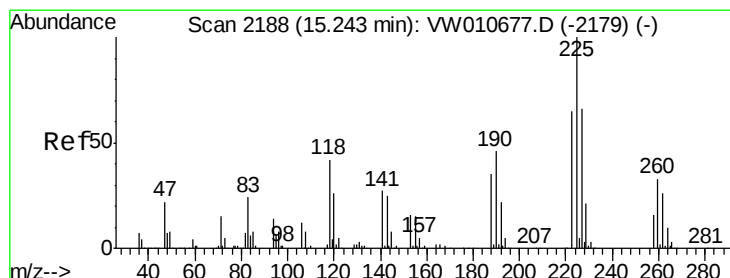
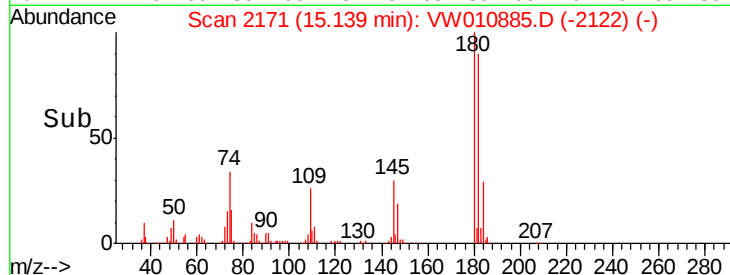
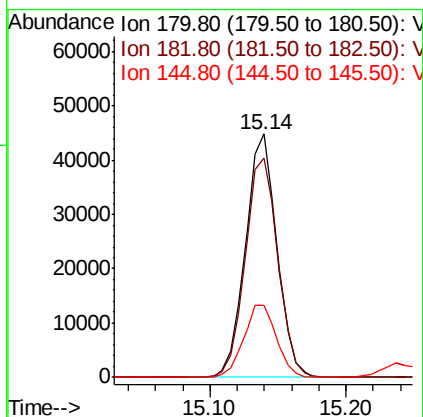
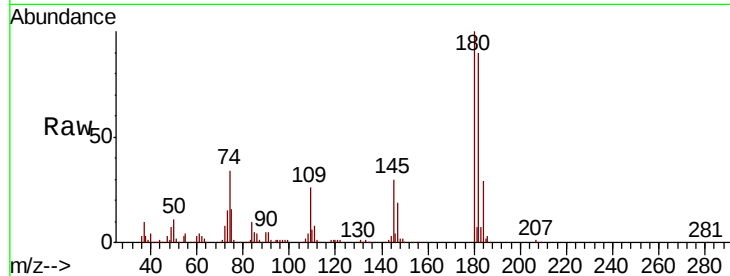




#93
 1,2,4-Trichlorobenzene
 Concen: 20.933 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010885.D
 Acq: 20 Jun 2019 12:00

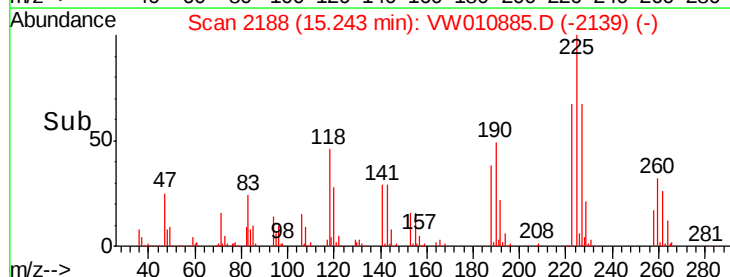
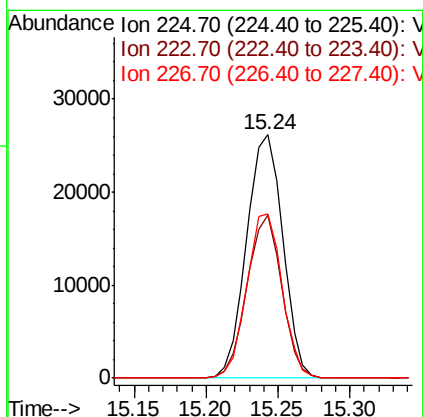
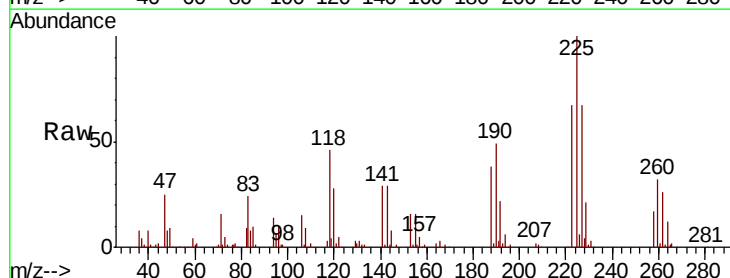
Instrument :
 MSVOA_W
 ClientSampleId :

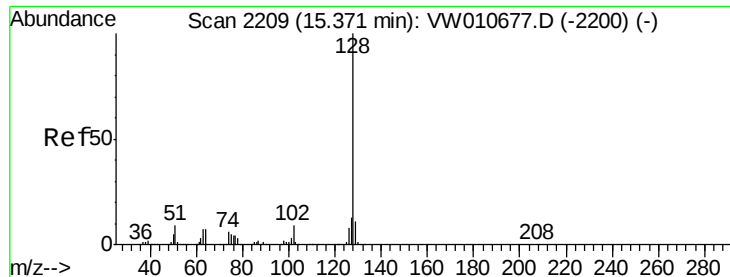
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.1	141.4
145	30.9	15.2	45.5



#94
 Hexachlorobutadiene
 Concen: 20.954 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010885.D
 Acq: 20 Jun 2019 12:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	32.2	96.6
227	65.9	32.0	96.0

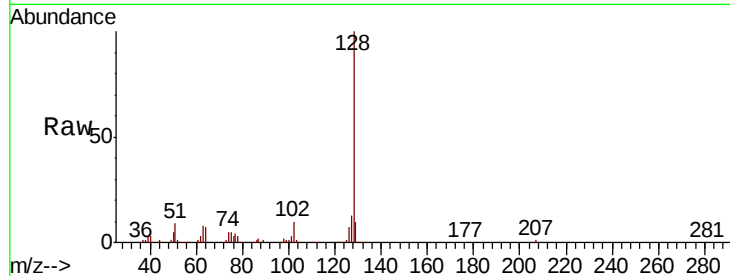




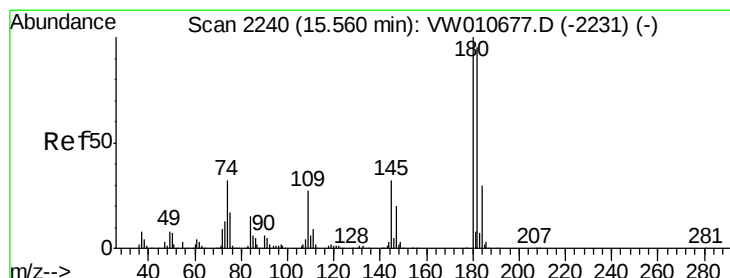
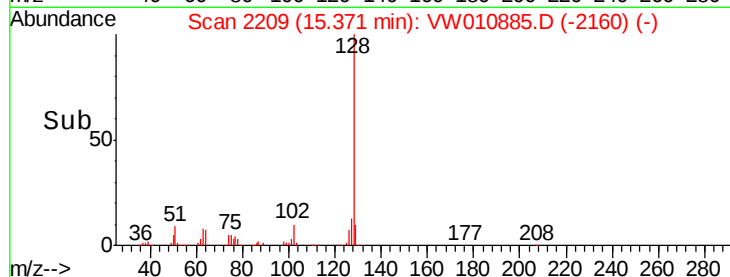
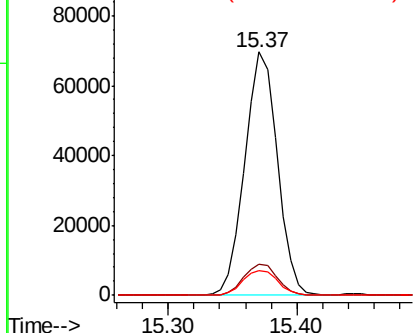
#95
Naphthalene
Concen: 19.375 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010885.D
Acq: 20 Jun 2019 12:00

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 121862
Ion Ratio Lower Upper
128 100
127 13.3 10.6 15.8
129 11.1 8.6 13.0

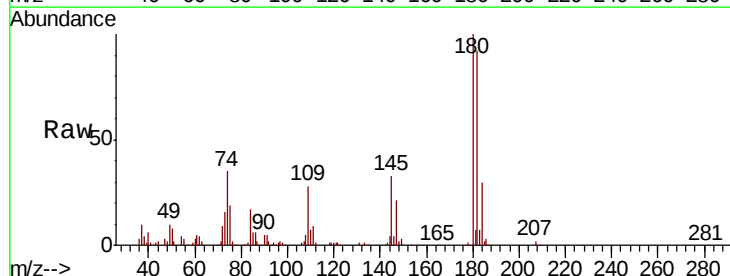


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.935 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010885.D
Acq: 20 Jun 2019 12:00

Tgt Ion:180 Resp: 61634
Ion Ratio Lower Upper
180 100
182 95.4 47.0 141.0
145 32.6 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

