

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW093019\
 Data File : VW013348.D
 Acq On : 30 Sep 2019 23:30
 Operator : SY/VA
 Sample : VW0930SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0930SBS01

Quant Time: Oct 01 05:40:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	275009	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	384780	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	335551	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	169229	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	116169	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
35) Dibromofluoromethane	7.88	113	113009	53.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.80%	
50) Toluene-d8	10.32	98	468694	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	
62) 4-Bromofluorobenzene	12.62	95	160608	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	31852	20.079	ug/l	91
3) Chloromethane	2.21	50	41718	20.458	ug/l	98
4) Vinyl Chloride	2.35	62	55537	21.125	ug/l	99
5) Bromomethane	2.76	94	34105	20.471	ug/l	99
6) Chloroethane	2.91	64	31609	20.398	ug/l	97
7) Trichlorofluoromethane	3.25	101	28103	18.539	ug/l	96
8) Diethyl Ether	3.68	74	28226	21.799	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	55358	22.430	ug/l	99
10) Methyl Iodide	4.27	142	77222	20.181	ug/l	99
11) Tert butyl alcohol	5.19	59	27131	164.461	ug/l #	93
12) 1,1-Dichloroethene	4.04	96	53334	20.869	ug/l	97
13) Acrolein	3.89	56	13206	102.211	ug/l	99
14) Allyl chloride	4.66	41	80475	19.785	ug/l	99
15) Acrylonitrile	5.37	53	74656	133.582	ug/l	99
16) Acetone	4.12	43	59478	117.510	ug/l #	88
17) Carbon Disulfide	4.38	76	150047	20.313	ug/l	98
18) Methyl Acetate	4.67	43	41479	29.153	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	89111	22.750	ug/l	97
20) Methylene Chloride	4.92	84	60283	21.640	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	57497	20.815	ug/l	99
22) Diisopropyl ether	6.31	45	159809	20.662	ug/l	97
23) Vinyl Acetate	6.25	43	502057	109.415	ug/l	97
24) 1,1-Dichloroethane	6.21	63	96916	20.765	ug/l	97
25) 2-Butanone	7.17	43	97875	128.813	ug/l	91
26) 2,2-Dichloropropane	7.16	77	59537	19.272	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	62121	21.310	ug/l	98
28) Bromochloromethane	7.51	49	31377	17.516	ug/l #	94
29) Tetrahydrofuran	7.53	42	64430	138.270	ug/l	99
30) Chloroform	7.67	83	94968	20.783	ug/l	100
31) Cyclohexane	7.95	56	103942	21.365	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	79568	21.500	ug/l	99
36) 1,1-Dichloropropene	8.08	75	82178	22.050	ug/l	99
37) Ethyl Acetate	7.25	43	45035	28.432	ug/l	99
38) Carbon Tetrachloride	8.07	117	74343	22.253	ug/l	91

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 Sample : VW0930SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0930SBS01

Quant Time: Oct 01 05:40:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	109599	22.884	ug/l	99
40) Benzene	8.32	78	226788	21.816	ug/l	100
41) Methacrylonitrile	7.49	41	24260	25.663	ug/l	97
42) 1,2-Dichloroethane	8.40	62	62783	22.467	ug/l	99
43) Isopropyl Acetate	8.42	43	75639	24.916	ug/l	98
44) Trichloroethene	9.09	130	64718	22.189	ug/l	97
45) 1,2-Dichloropropane	9.37	63	54680	21.545	ug/l	98
46) Dibromomethane	9.46	93	30087	24.418	ug/l	98
47) Bromodichloromethane	9.65	83	67006	21.372	ug/l	96
48) Methyl methacrylate	9.43	41	39448	27.635	ug/l	92
49) 1,4-Dioxane	9.46	88	11786	637.233	ug/l #	94
51) 4-Methyl-2-Pentanone	10.21	43	209525	137.675	ug/l	98
52) Toluene	10.38	92	144083	21.627	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	69911	21.703	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	83809	21.399	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	42902	23.295	ug/l	95
56) Ethyl methacrylate	10.65	69	59496	24.684	ug/l	99
57) 1,3-Dichloropropane	10.93	76	75040	23.349	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	137280	123.030	ug/l	98
59) 2-Hexanone	10.97	43	142433	136.033	ug/l	99
60) Dibromochloromethane	11.13	129	47910	22.910	ug/l	98
61) 1,2-Dibromoethane	11.23	107	43074	24.599	ug/l	100
64) Tetrachloroethene	10.86	164	58929	23.146	ug/l	99
65) Chlorobenzene	11.66	112	150787	21.520	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	53267	22.252	ug/l	99
67) Ethyl Benzene	11.73	91	275905	21.732	ug/l	99
68) m/p-Xylenes	11.84	106	211154	43.646	ug/l	99
69) o-Xylene	12.16	106	96038	21.352	ug/l	98
70) Styrene	12.18	104	167009	21.628	ug/l	100
71) Bromoform	12.35	173	30658	24.242	ug/l #	99
73) Isopropylbenzene	12.46	105	278255	22.258	ug/l	100
74) N-amyl acetate	12.27	43	67621	24.377	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	53001	25.351	ug/l	99
76) 1,2,3-Trichloropropane	12.76	75	67669	45.278	ug/l #	100
77) Bromobenzene	12.74	156	65797	22.211	ug/l	99
78) n-propylbenzene	12.80	91	321033	21.939	ug/l	99
79) 2-Chlorotoluene	12.89	91	179751	21.926	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	229566	21.846	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	16008	24.035	ug/l	96
82) 4-Chlorotoluene	12.99	91	185780	21.490	ug/l	98
83) tert-Butylbenzene	13.21	119	207170	22.461	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	229208	21.919	ug/l	99
85) sec-Butylbenzene	13.38	105	287998	22.648	ug/l	100
86) p-Isopropyltoluene	13.50	119	262487	22.255	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	125053	21.934	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	123096	22.014	ug/l	99
89) n-Butylbenzene	13.82	91	232948	21.630	ug/l	99
90) Hexachloroethane	14.09	117	44390	22.404	ug/l	97
91) 1,2-Dichlorobenzene	13.86	146	111835	22.674	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	8849	27.672	ug/l	98

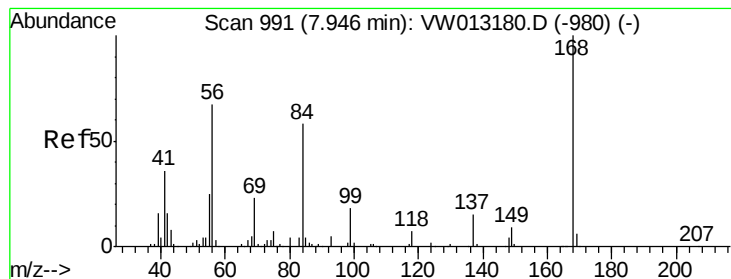
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW093019\
Data File : VW013348.D
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Operator : SY/VA
Sample : VW0930SBS01
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Instrument :
MSVOA_W
ClientSampleId :
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Quant Time: Oct 01 05:40:30 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 20 15:58:08 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	78237	22.136	ug/l	98
94) Hexachlorobutadiene	15.24	225	55242	22.846	ug/l	98
95) Naphthalene	15.36	128	143579	24.838	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	69169	22.649	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013348.D

Acq: 30 Sep 2019 23:30

Instrument :

MSVOA_W

ClientSampleId :

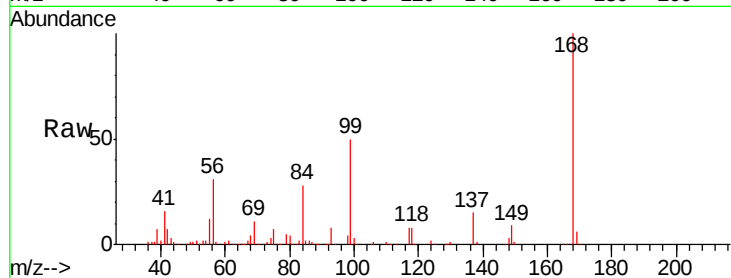
VW0930SBS01

Tgt Ion:168 Resp: 275009

Ion Ratio Lower Upper

168 100

99 49.8 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

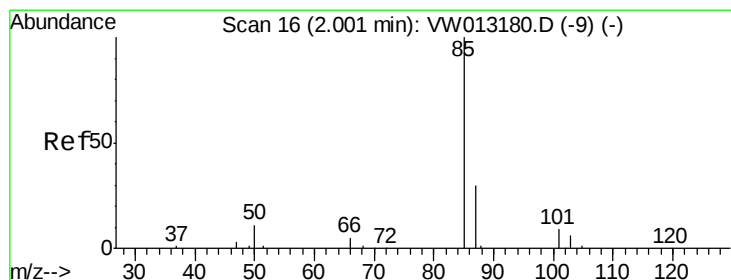
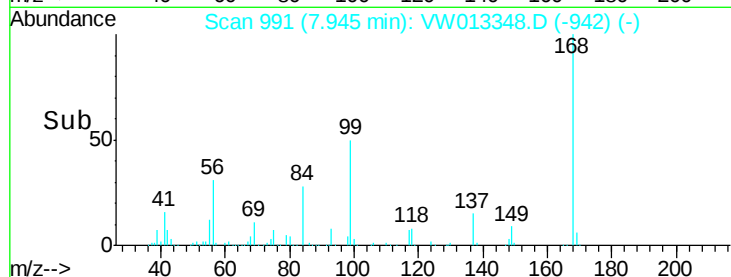
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 20.079 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013348.D

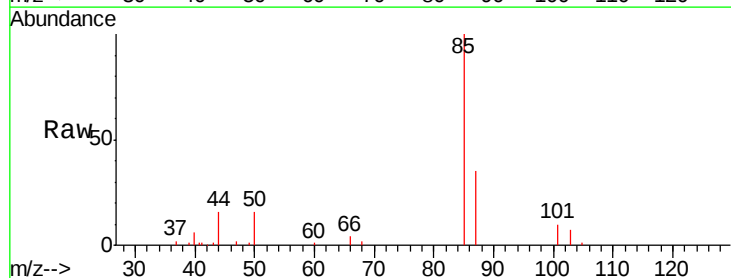
Acq: 30 Sep 2019 23:30

Tgt Ion: 85 Resp: 31852

Ion Ratio Lower Upper

85 100

87 35.2 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

12000

10000

8000

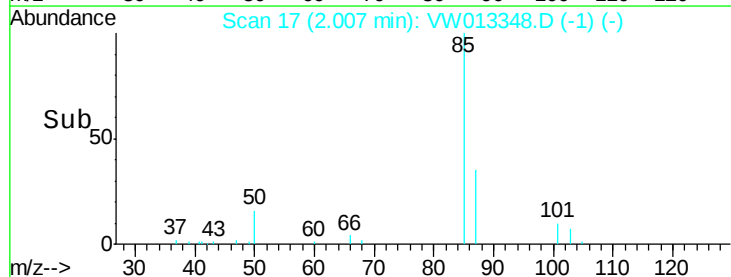
6000

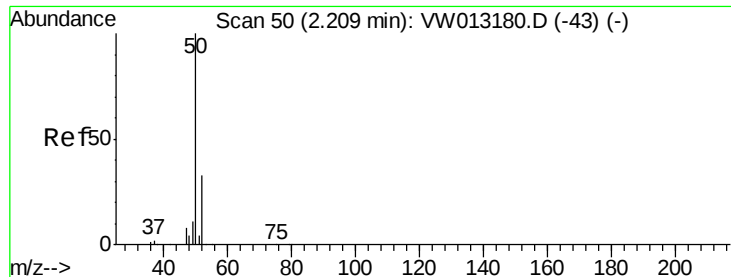
4000

2000

0

Time--> 1.90 2.00 2.10

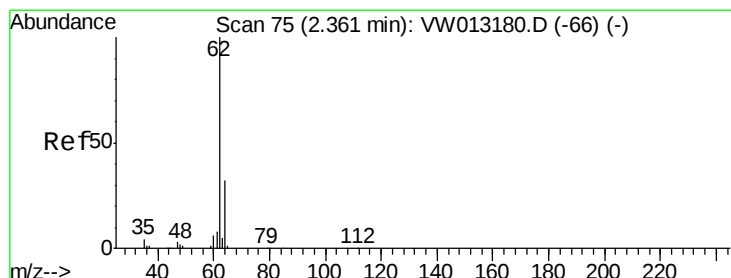
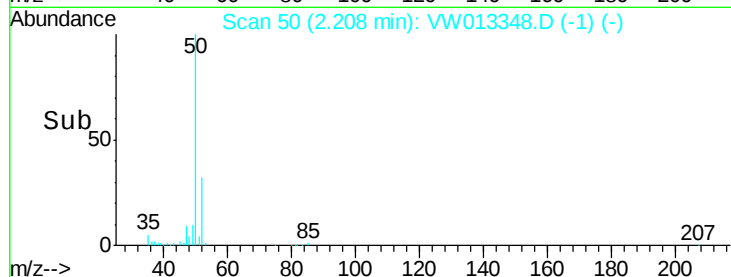
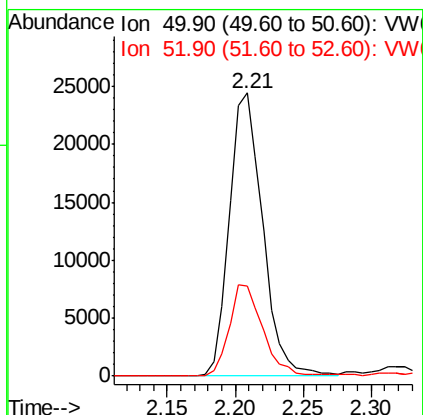
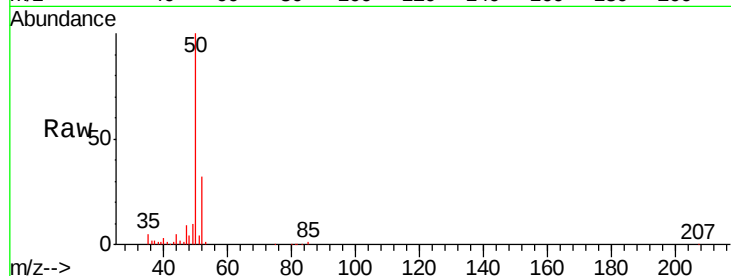




#3
Chloromethane
Concen: 20.458 ug/l
RT: 2.21 min Scan# 50
Delta R.T. -0.00 min
Lab File: VW013348.D
Acq: 30 Sep 2019 23:30

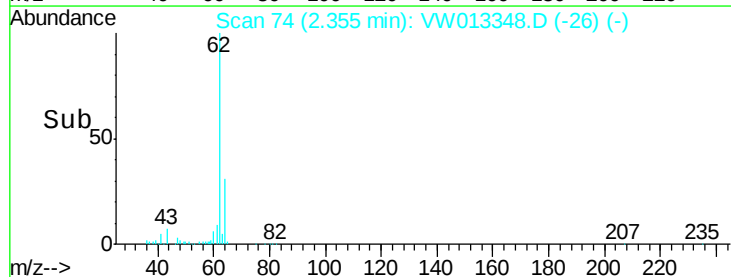
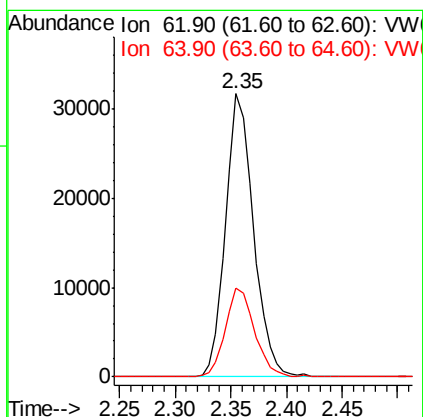
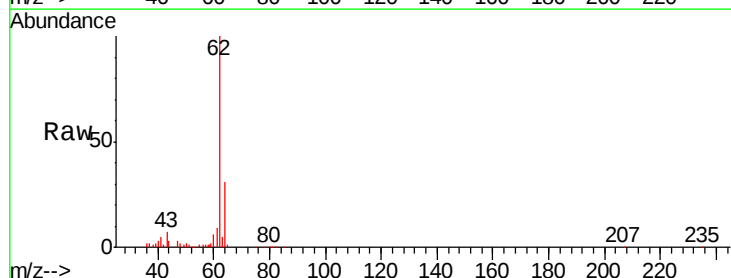
Instrument :
MSVOA_W
ClientSampled :
VW0930SBS01

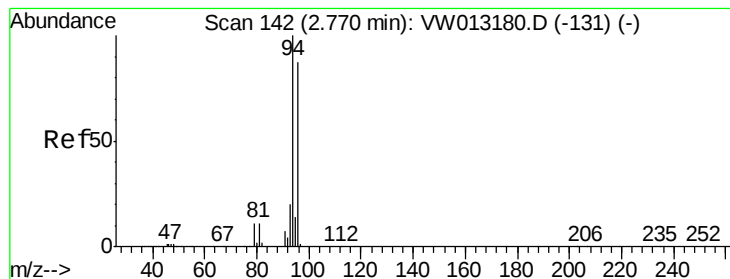
Tgt Ion: 50 Resp: 41718
Ion Ratio Lower Upper
50 100
52 31.7 26.1 39.1



#4
Vinyl Chloride
Concen: 21.125 ug/l
RT: 2.35 min Scan# 74
Delta R.T. -0.01 min
Lab File: VW013348.D
Acq: 30 Sep 2019 23:30

Tgt Ion: 62 Resp: 55537
Ion Ratio Lower Upper
62 100
64 31.3 25.3 37.9





#5

Bromomethane

Concen: 20.471 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW013348.D

Acq: 30 Sep 2019 23:30

Instrument :

MSVOA_W

ClientSampleId :

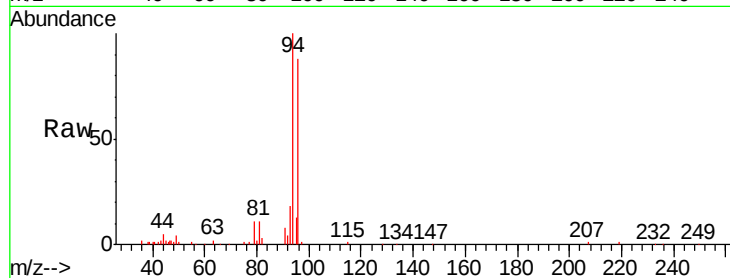
VW0930SBS01

Tgt Ion: 94 Resp: 34105

Ion Ratio Lower Upper

94 100

96 88.4 69.7 104.5

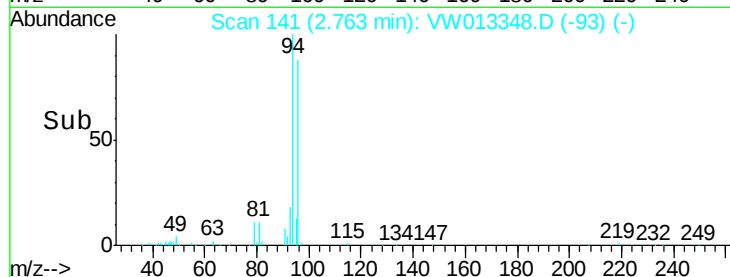


Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.76

Time-->



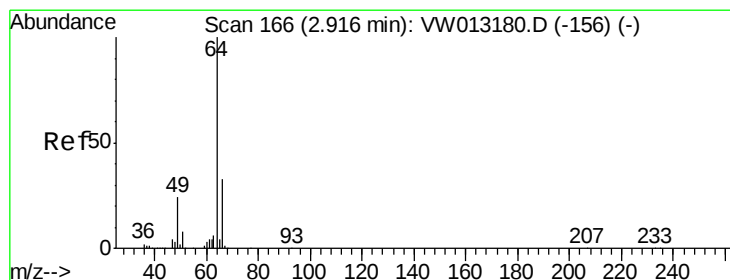
Abundance

Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.76

Time-->



#6

Chloroethane

Concen: 20.398 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013348.D

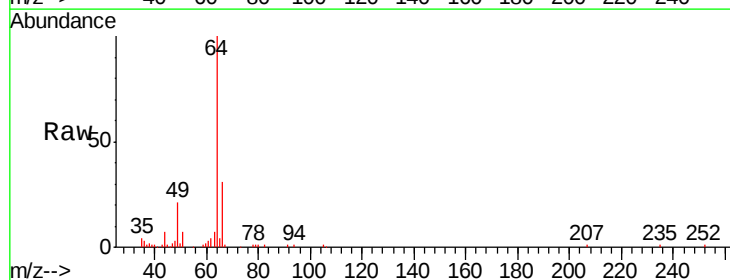
Acq: 30 Sep 2019 23:30

Tgt Ion: 64 Resp: 31609

Ion Ratio Lower Upper

64 100

66 31.2 26.6 39.8

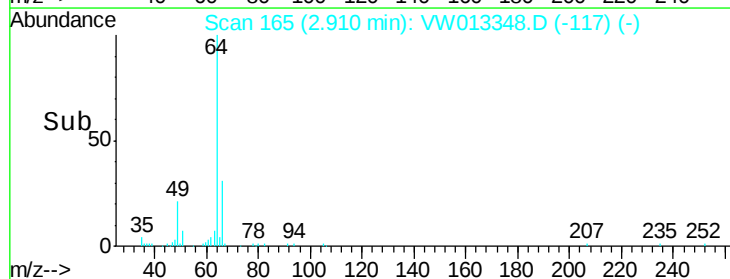


Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.91

Time-->



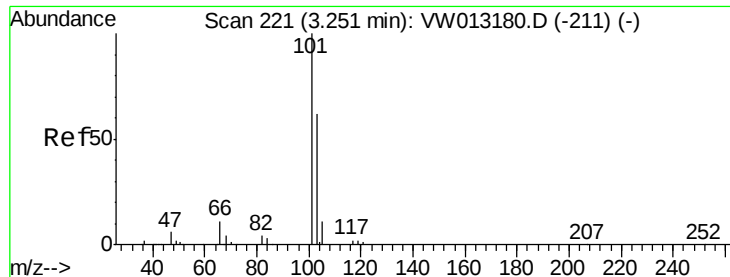
Abundance

Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.91

Time-->

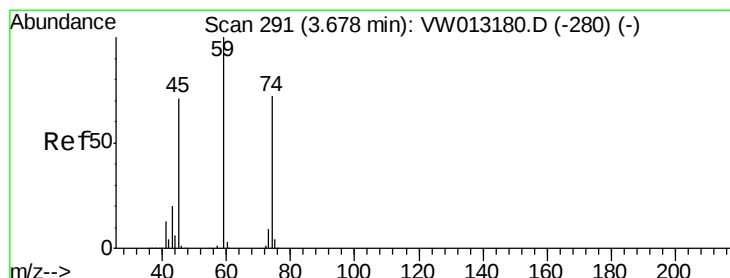
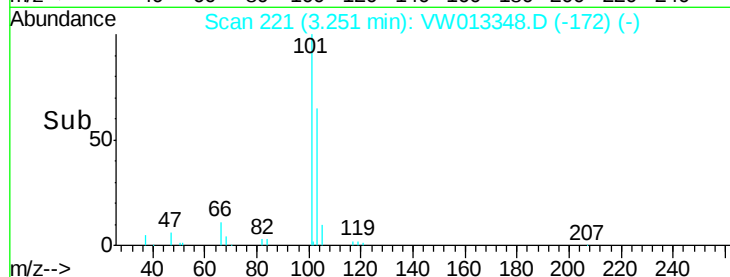
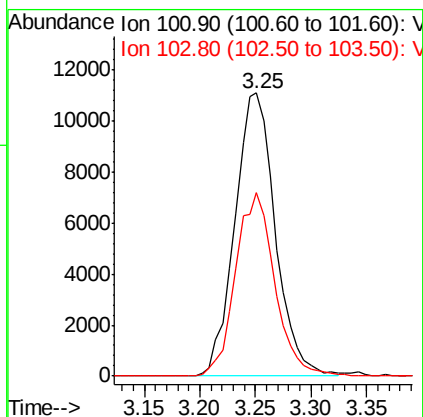
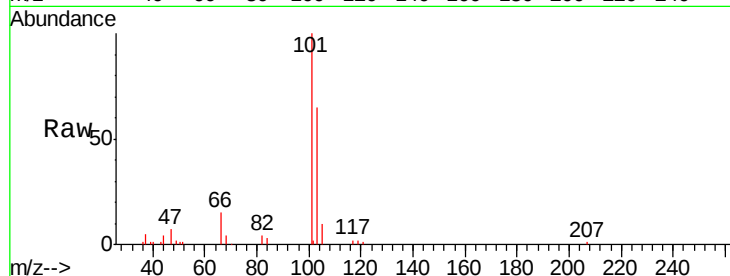


#7

Trichlorofluoromethane
 Concen: 18.539 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW013348.D
 Acq: 30 Sep 2019 23:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0930SBS01

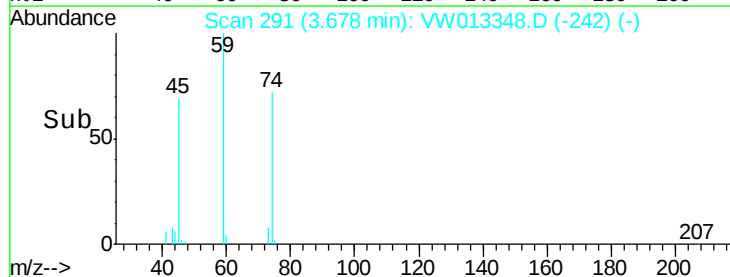
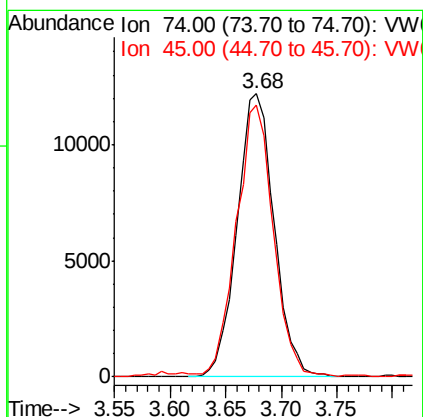
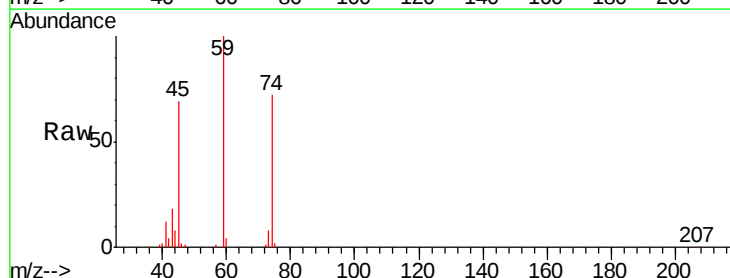
Tgt Ion: 101 Resp: 28103
 Ion Ratio Lower Upper
 101 100
 103 64.8 49.7 74.5

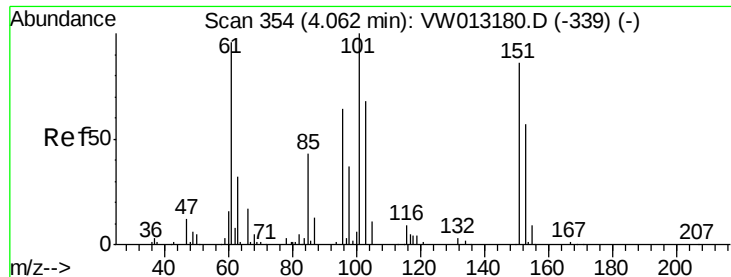


#8

Diethyl Ether
 Concen: 21.799 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013348.D
 Acq: 30 Sep 2019 23:30

Tgt Ion: 74 Resp: 28226
 Ion Ratio Lower Upper
 74 100
 45 95.8 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.430 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW013348.D

Acq: 30 Sep 2019 23:30

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBS01

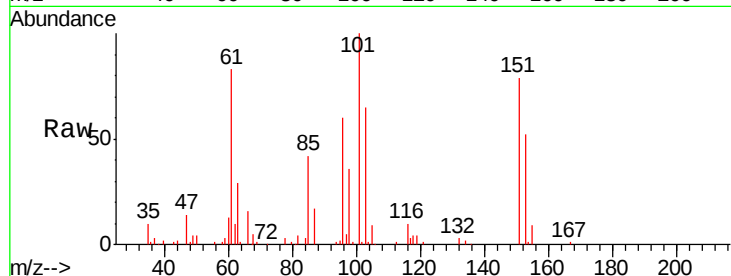
Tgt Ion:101 Resp: 55358

Ion Ratio Lower Upper

101 100

85 41.9 33.4 50.0

151 84.2 66.9 100.3



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

20000

15000

10000

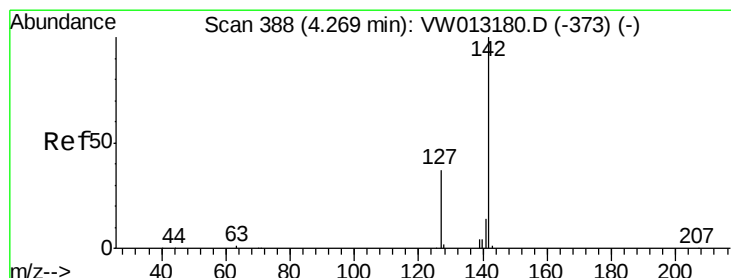
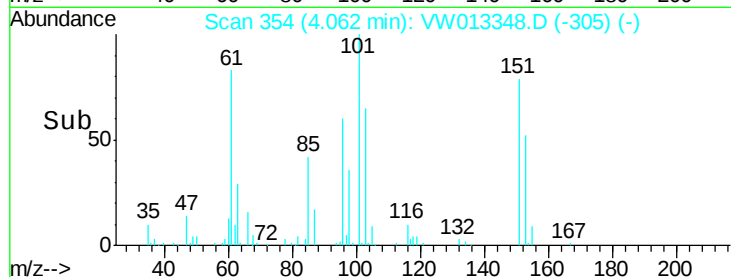
5000

0

Time-->

3.90 4.00 4.10 4.20 4.30

4.06



#10

Methyl Iodide

Concen: 20.181 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW013348.D

Acq: 30 Sep 2019 23:30

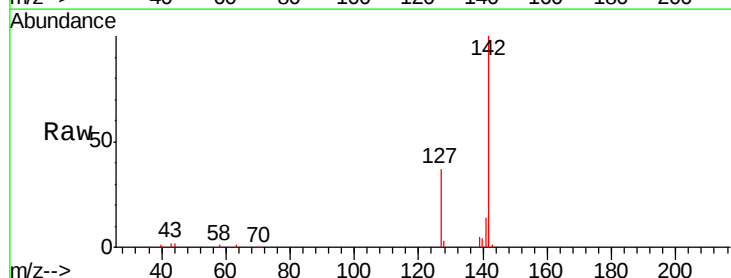
Tgt Ion:142 Resp: 77222

Ion Ratio Lower Upper

142 100

127 38.0 30.9 46.3

141 14.9 11.7 17.5



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

30000

25000

20000

15000

10000

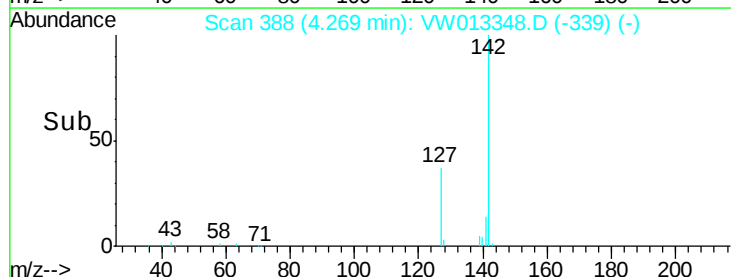
5000

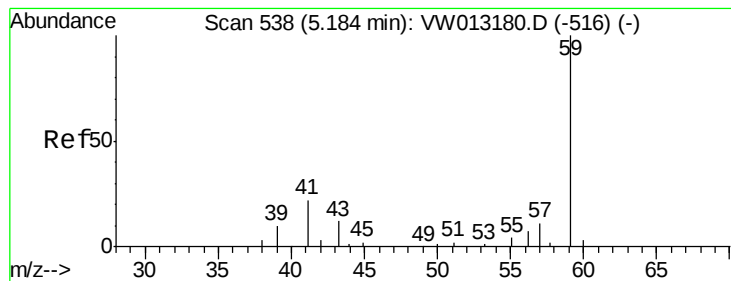
0

Time-->

4.10 4.20 4.30 4.40

4.27





#11

Tert butyl alcohol

Concen: 164.461 ug/l

RT: 5.19 min Scan# 539

Delta R.T. 0.01 min

Lab File: VW013348.D

Acq: 30 Sep 2019 23:30

Instrument :

MSVOA_W

ClientSampleId :

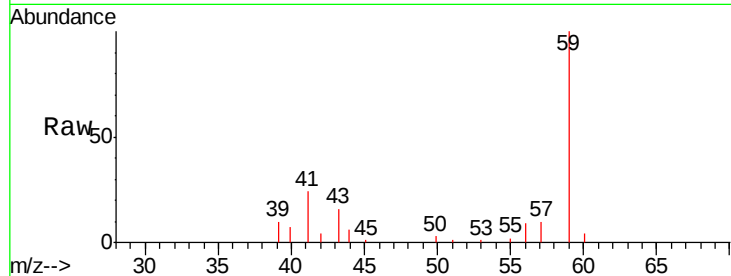
VW0930SBS01

Tgt Ion: 59 Resp: 27131

Ion Ratio Lower Upper

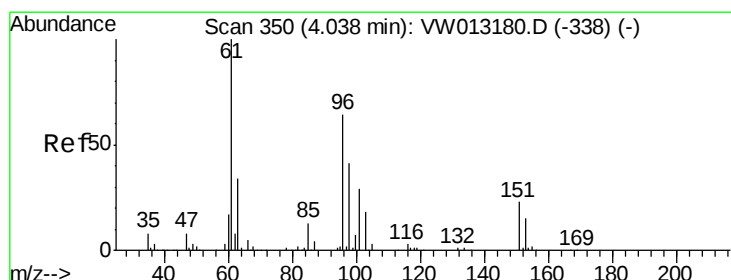
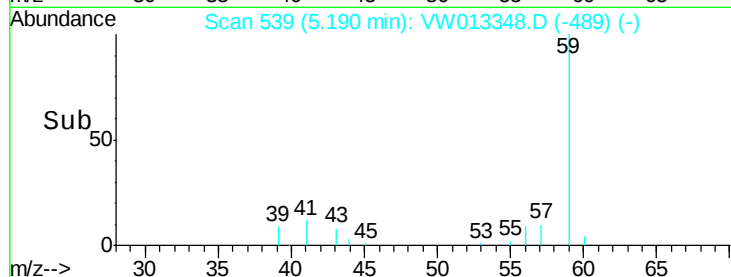
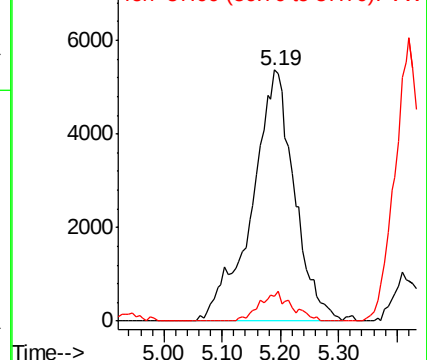
59 100

57 7.5 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#12

1,1-Dichloroethene

Concen: 20.869 ug/l

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW013348.D

Acq: 30 Sep 2019 23:30

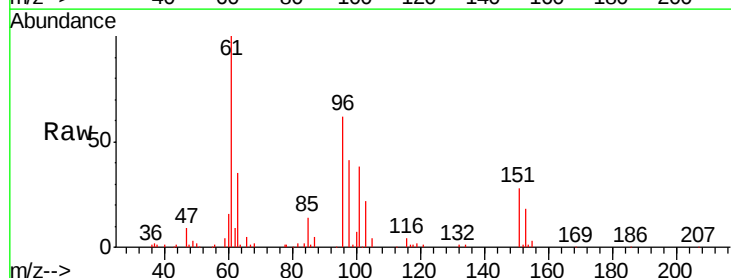
Tgt Ion: 96 Resp: 53334

Ion Ratio Lower Upper

96 100

61 160.7 125.1 187.7

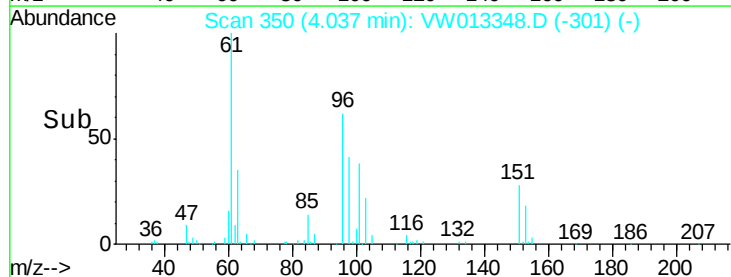
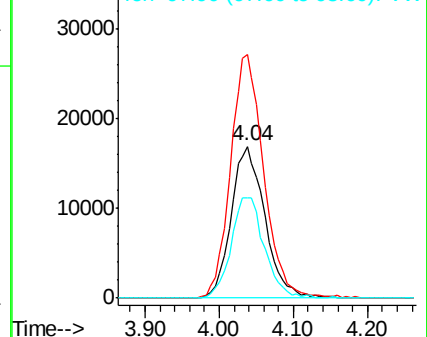
98 66.1 50.8 76.2

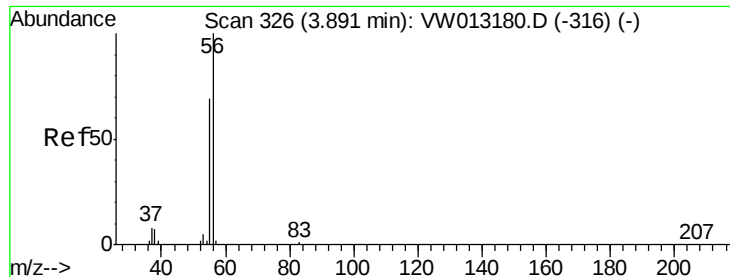


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#13

Acrolein

Concen: 102.211 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW013348.D

Acq: 30 Sep 2019 23:30

Instrument :

MSVOA_W

ClientSampleId :

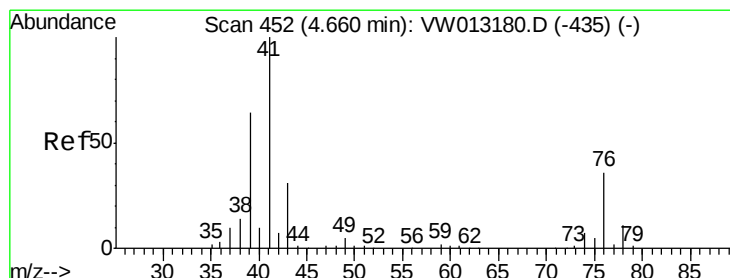
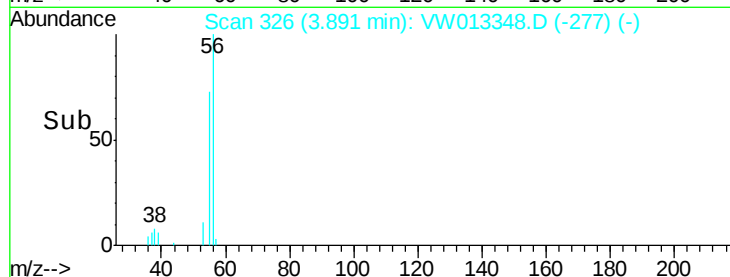
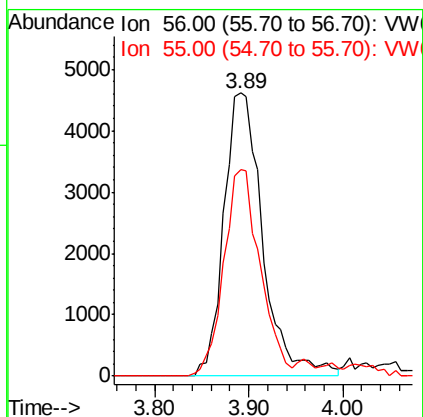
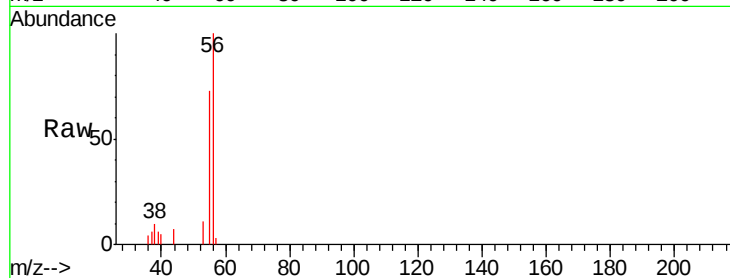
VW0930SBS01

Tgt Ion: 56 Resp: 13206

Ion Ratio Lower Upper

56 100

55 68.1 55.4 83.0



#14

Allyl chloride

Concen: 19.785 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW013348.D

Acq: 30 Sep 2019 23:30

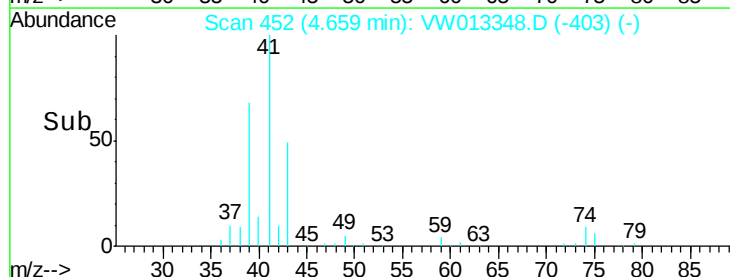
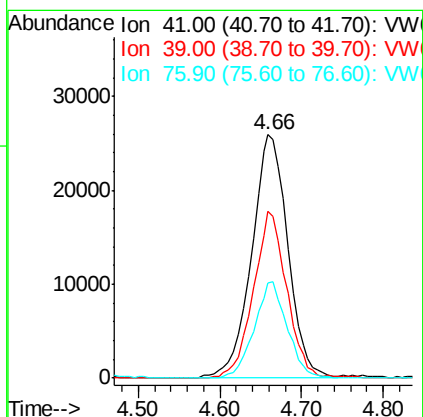
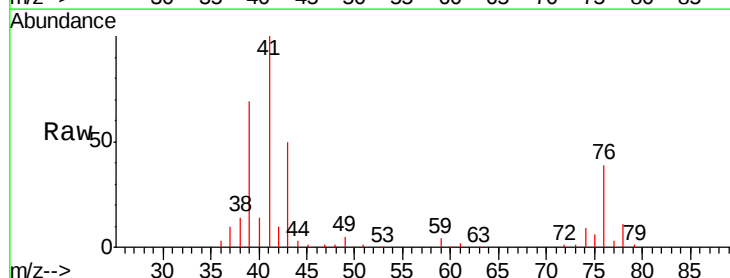
Tgt Ion: 41 Resp: 80475

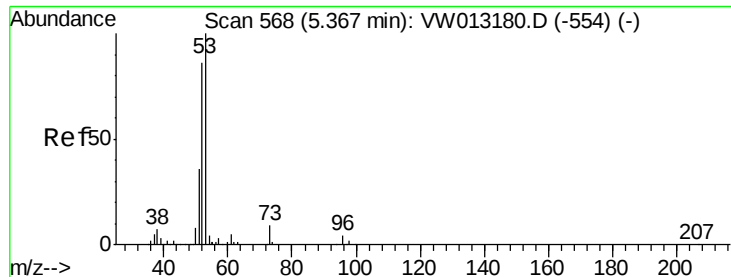
Ion Ratio Lower Upper

41 100

39 63.1 51.0 76.4

76 35.7 28.4 42.6





#15

Acrylonitrile

Concen: 133.582 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW013348.D

Acq: 30 Sep 2019 23:30

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBS01

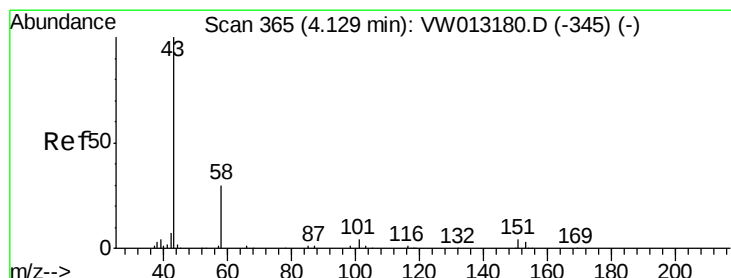
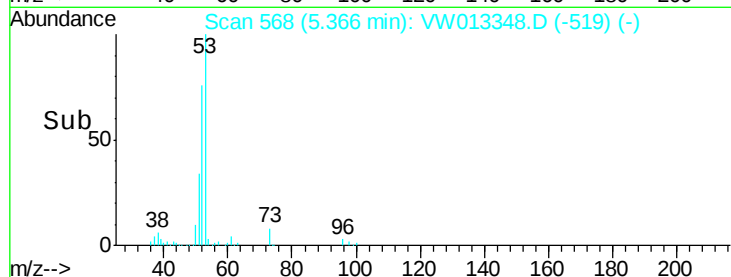
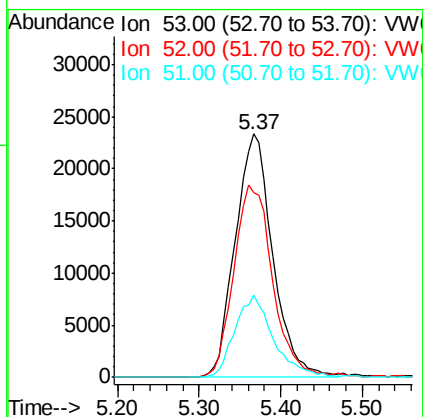
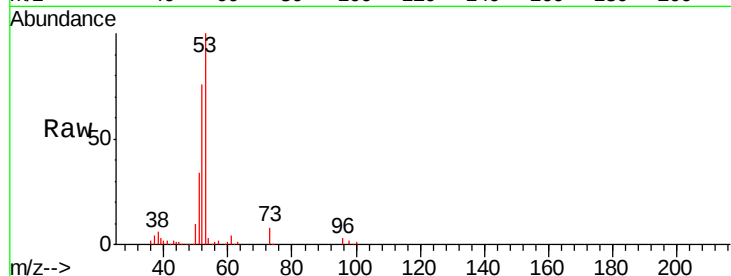
Tgt Ion: 53 Resp: 74656

Ion Ratio Lower Upper

53 100

52 81.3 65.3 97.9

51 34.6 29.0 43.4



#16

Acetone

Concen: 117.510 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW013348.D

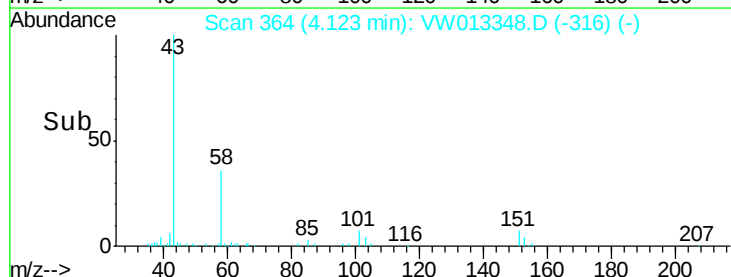
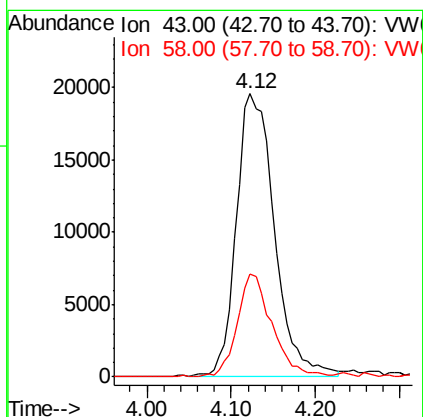
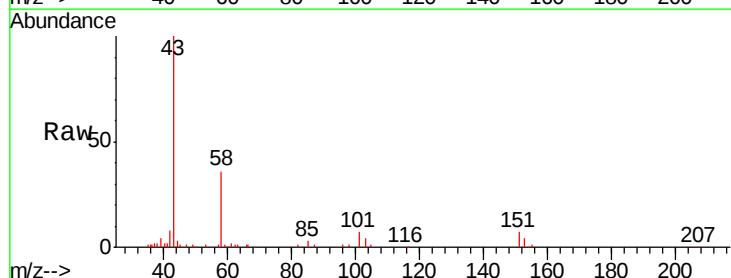
Acq: 30 Sep 2019 23:30

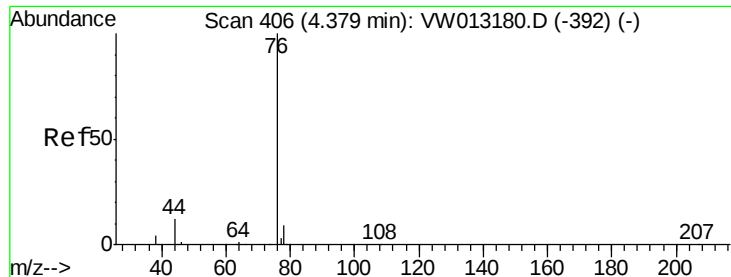
Tgt Ion: 43 Resp: 59478

Ion Ratio Lower Upper

43 100

58 36.5 24.1 36.1#

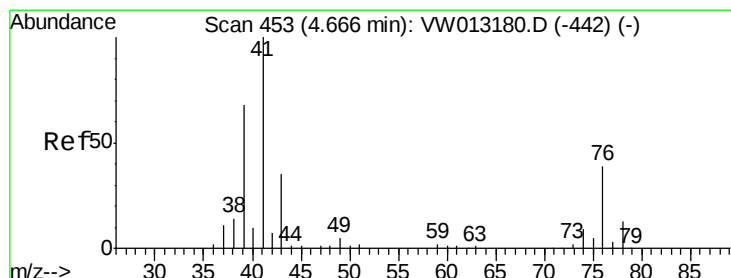
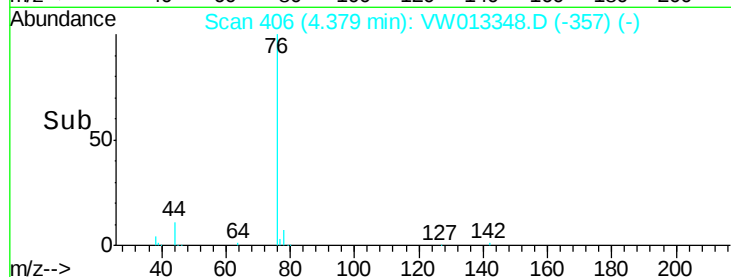
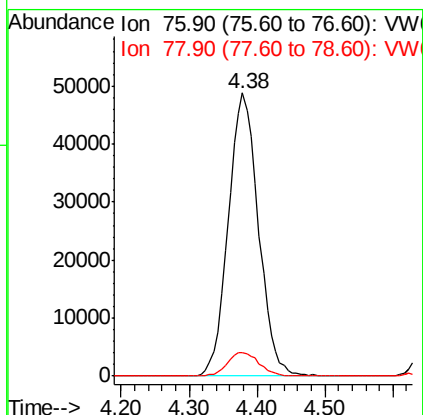
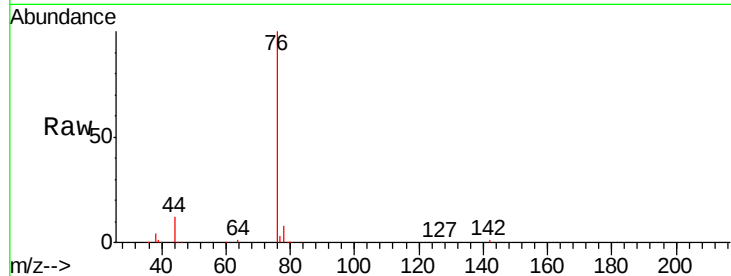




#17
Carbon Disulfide
Concen: 20.313 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW013348.D
Acq: 30 Sep 2019 23:30

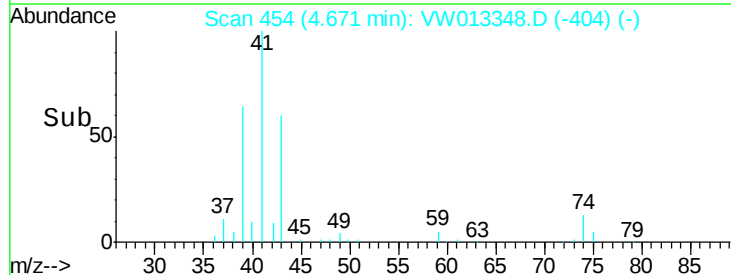
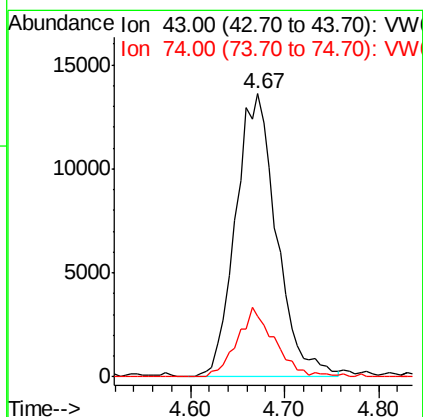
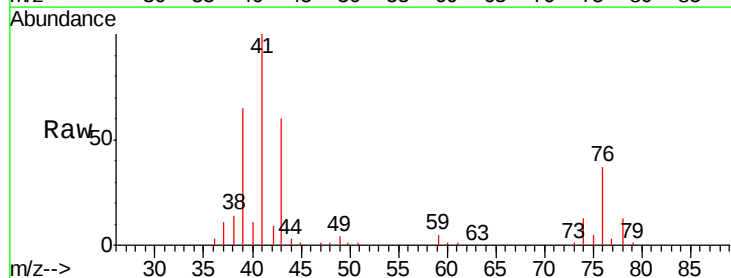
Instrument :
MSVOA_W
ClientSampled :
VW0930SBS01

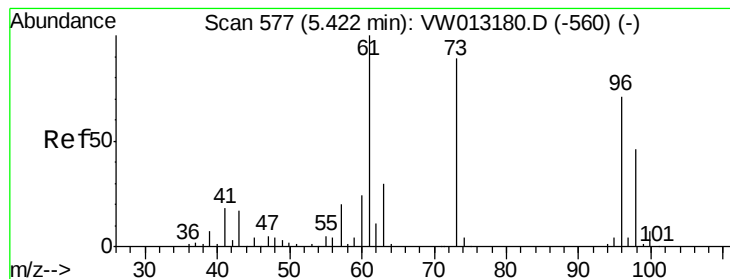
Tgt Ion: 76 Resp: 150047
Ion Ratio Lower Upper
76 100
78 8.1 7.0 10.4



#18
Methyl Acetate
Concen: 29.153 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW013348.D
Acq: 30 Sep 2019 23:30

Tgt Ion: 43 Resp: 41479
Ion Ratio Lower Upper
43 100
74 22.4 19.3 28.9





#19

Methyl tert-butyl Ether

Concen: 22.750 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW013348.D

Acq: 30 Sep 2019 23:30

Instrument :

MSVOA_W

ClientSampleId :

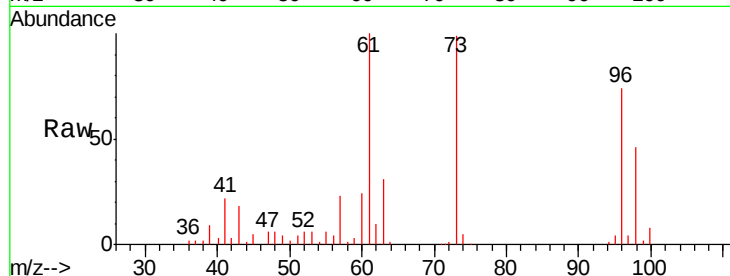
VW0930SBS01

Tgt Ion: 73 Resp: 89111

Ion Ratio Lower Upper

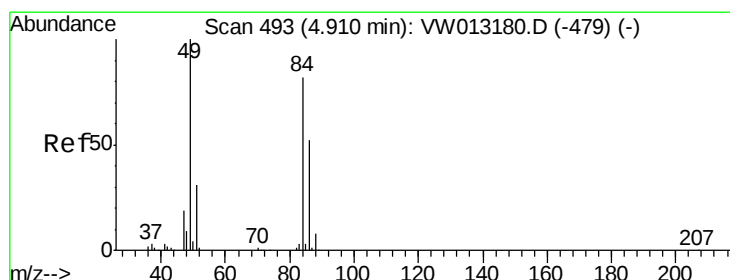
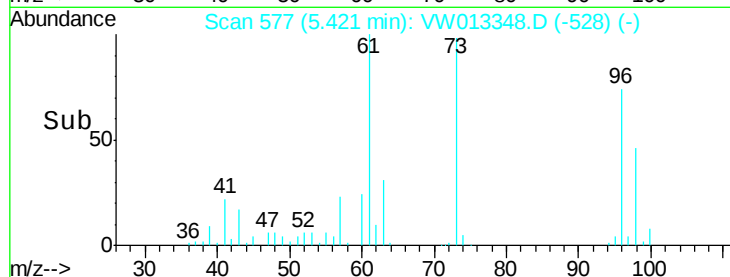
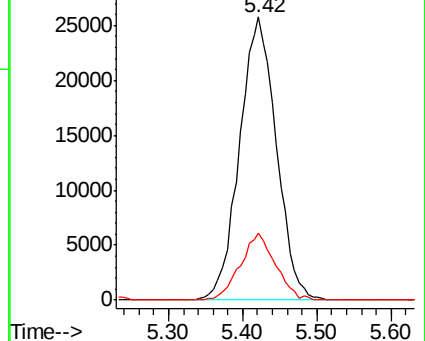
73 100

57 23.5 17.6 26.4



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 57.00 (56.70 to 57.70): VW



#20

Methylene Chloride

Concen: 21.640 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW013348.D

Acq: 30 Sep 2019 23:30

Tgt Ion: 84 Resp: 60283

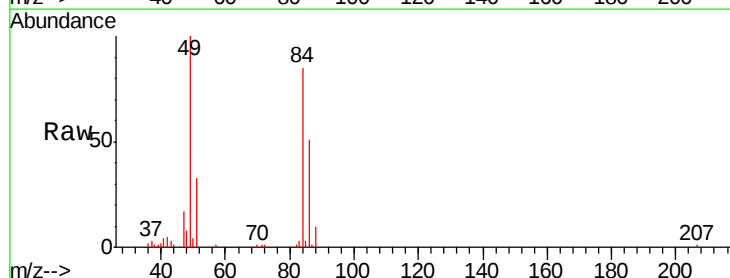
Ion Ratio Lower Upper

84 100

49 117.3 97.6 146.4

51 38.9 30.2 45.2

86 60.1 50.6 76.0

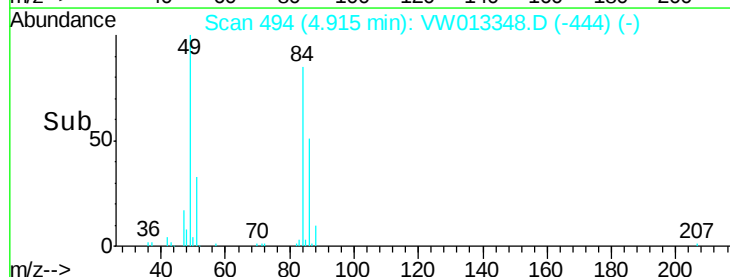
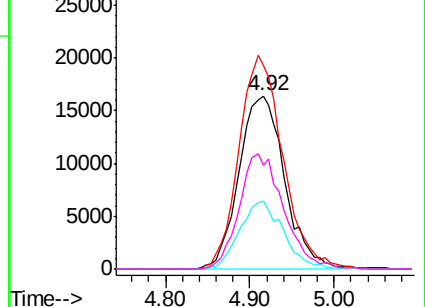


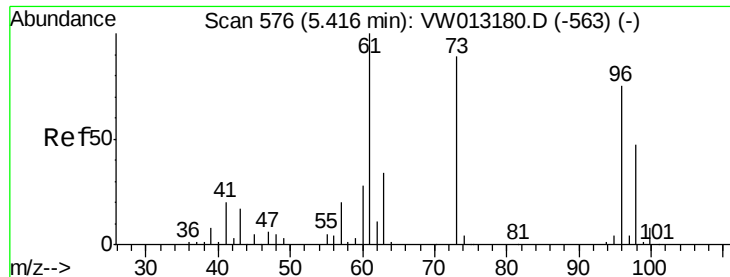
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#21

trans-1,2-Dichloroethene

Concen: 20.815 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW013348.D

Acq: 30 Sep 2019 23:30

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBS01

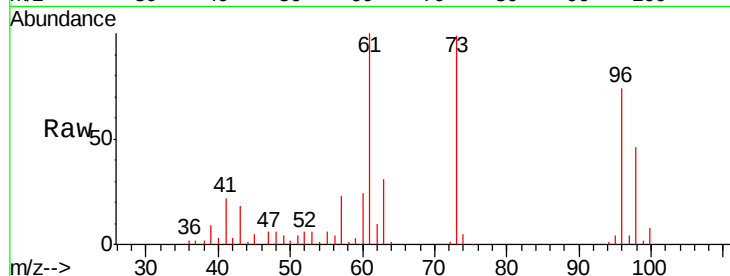
Tgt Ion: 96 Resp: 57497

Ion Ratio Lower Upper

96 100

61 134.5 106.6 159.8

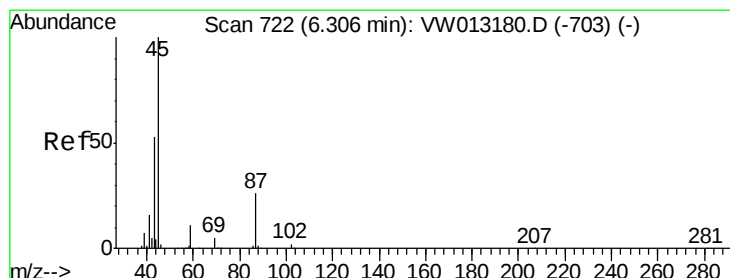
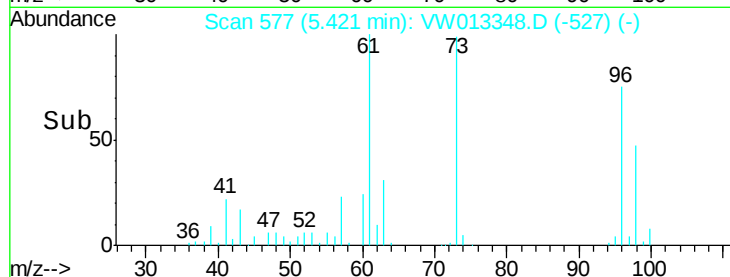
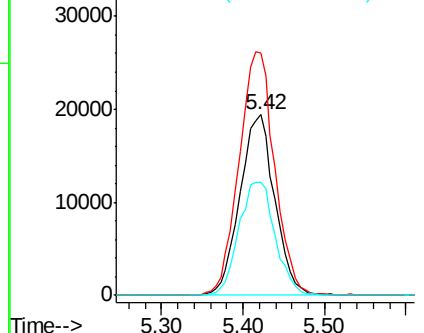
98 62.5 49.8 74.8



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 20.662 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013348.D

Acq: 30 Sep 2019 23:30

Tgt Ion: 45 Resp: 159809

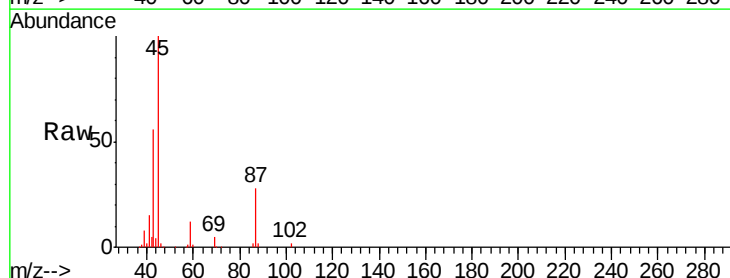
Ion Ratio Lower Upper

45 100

43 55.4 42.4 63.6

87 27.5 20.4 30.6

59 12.1 8.8 13.2

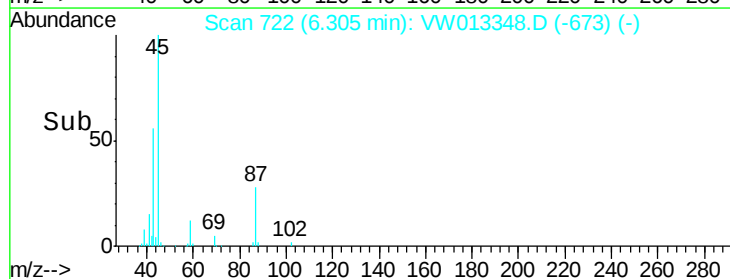
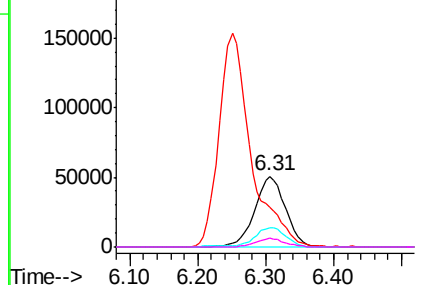


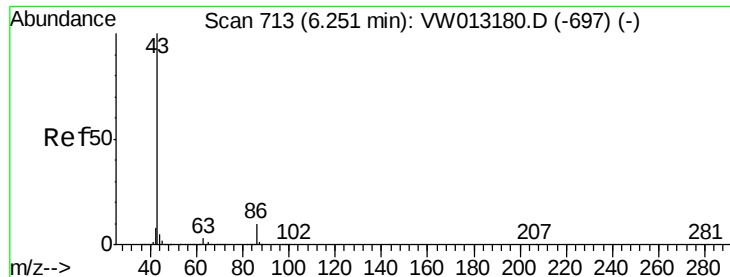
Abundance Ion 45.00 (44.70 to 45.70): VW

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: 109.415 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013348.D

Acq: 30 Sep 2019 23:30

Instrument :

MSVOA_W

ClientSampleId :

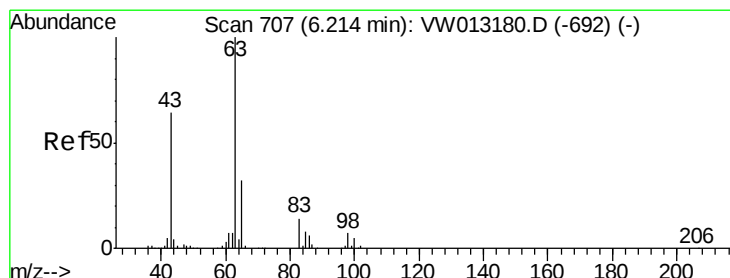
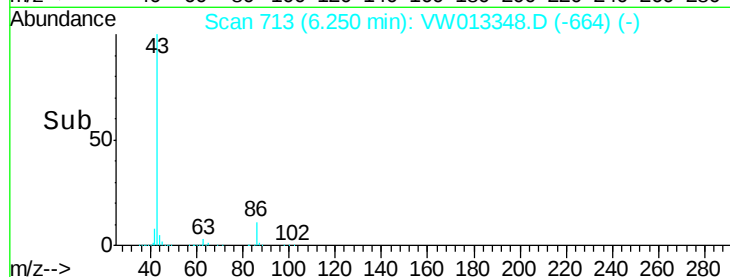
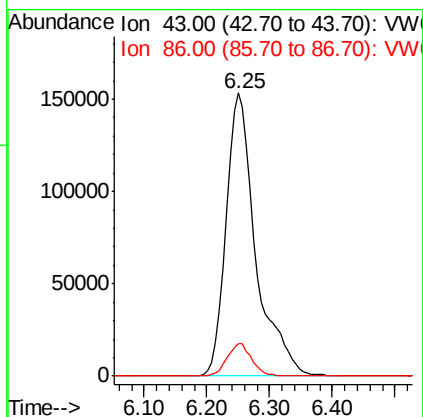
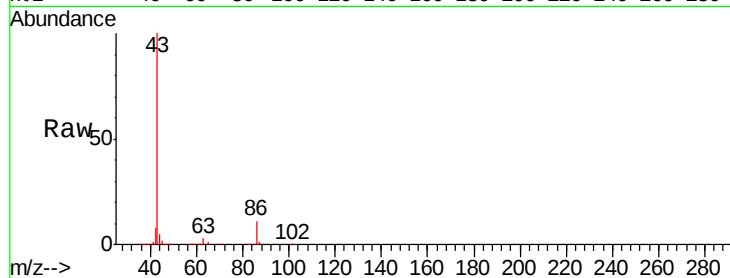
VW0930SBS01

Tgt Ion: 43 Resp: 502057

Ion Ratio Lower Upper

43 100

86 11.4 8.3 12.5



#24

1,1-Dichloroethane

Concen: 20.765 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013348.D

Acq: 30 Sep 2019 23:30

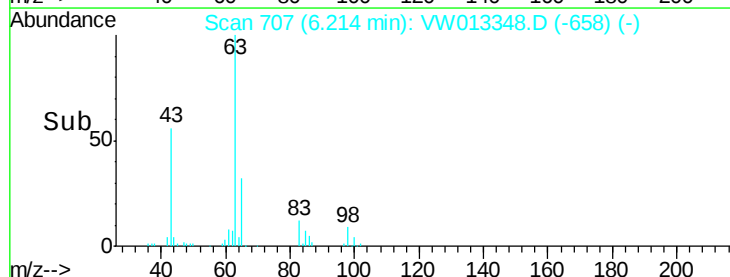
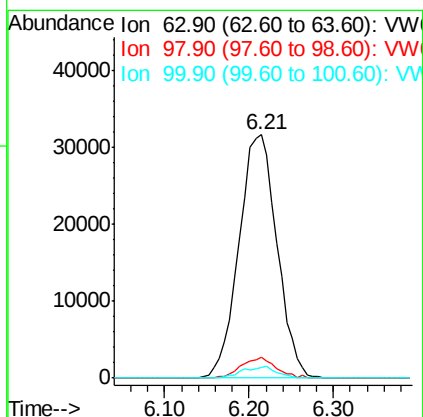
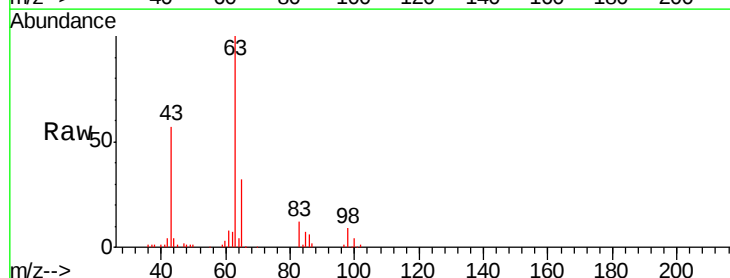
Tgt Ion: 63 Resp: 96916

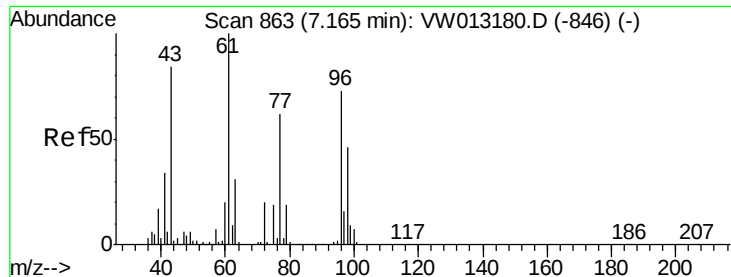
Ion Ratio Lower Upper

63 100

98 8.5 3.5 10.5

100 4.2 2.4 7.1





#25

2-Butanone

Concen: 128.813 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013348.D

Acq: 30 Sep 2019 23:30

Instrument :

MSVOA_W

ClientSampleId :

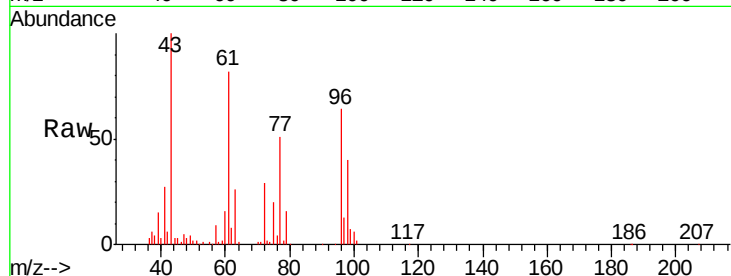
VW0930SBS01

Tgt Ion: 43 Resp: 97875

Ion Ratio Lower Upper

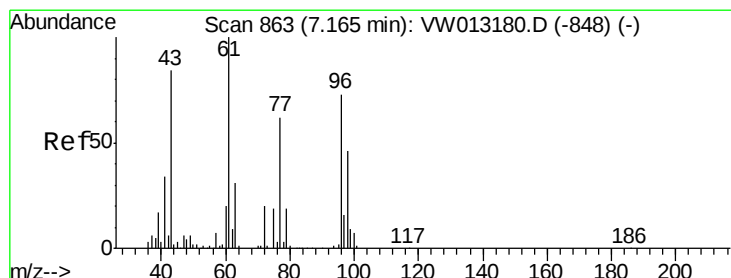
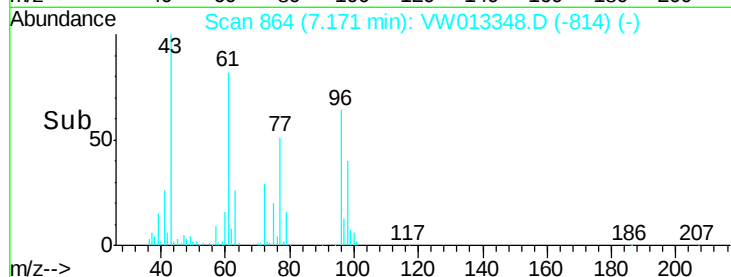
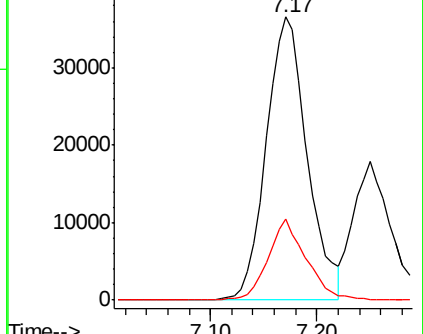
43 100

72 28.6 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 19.272 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013348.D

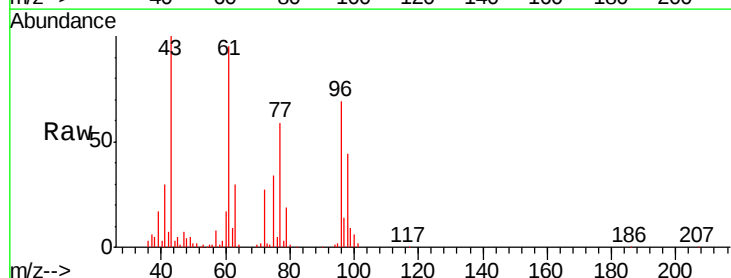
Acq: 30 Sep 2019 23:30

Tgt Ion: 77 Resp: 59537

Ion Ratio Lower Upper

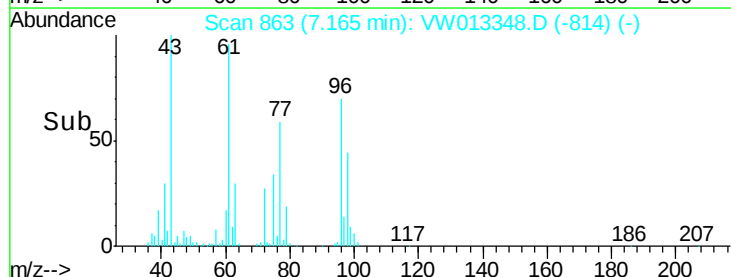
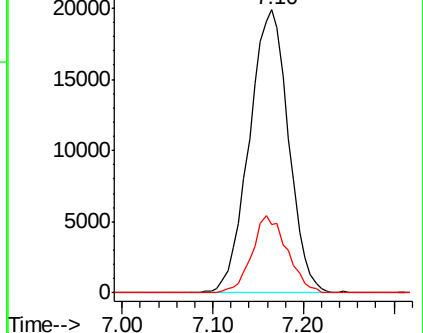
77 100

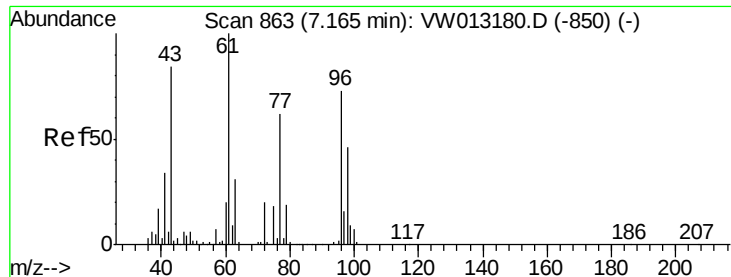
97 24.4 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



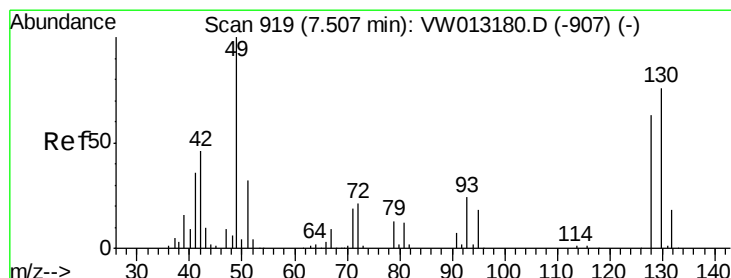
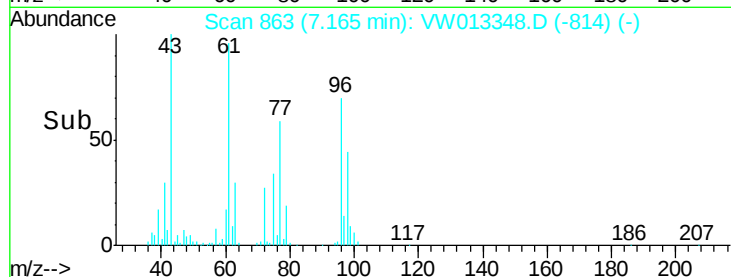
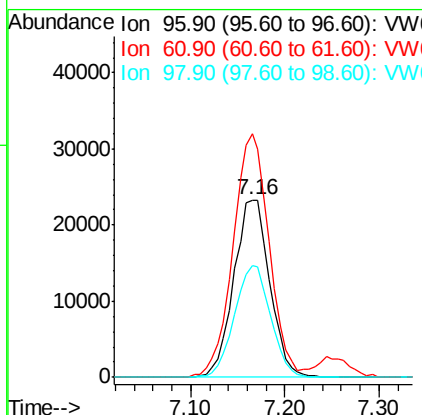
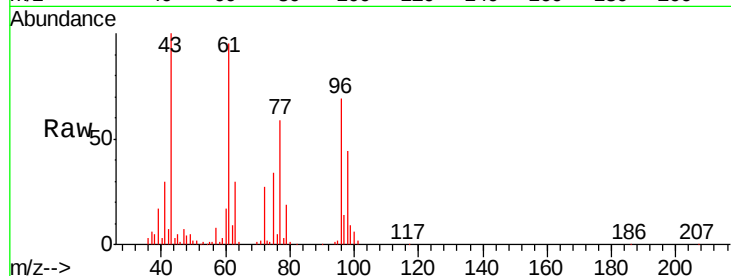


#27

cis-1,2-Dichloroethene
Concen: 21.310 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013348.D
Acq: 30 Sep 2019 23:30

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBS01

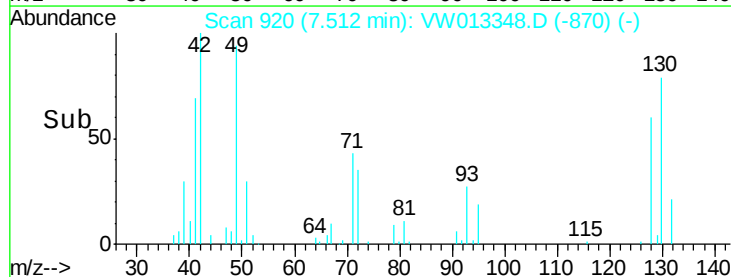
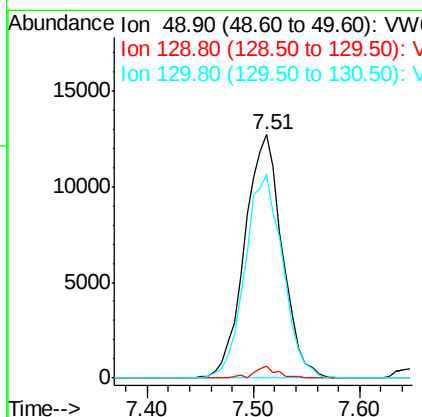
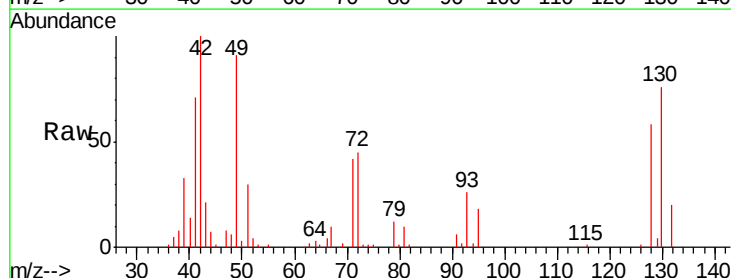
Tgt Ion: 96 Resp: 62121
Ion Ratio Lower Upper
96 100
61 138.4 0.0 282.4
98 63.2 0.0 128.2



#28

Bromochloromethane
Concen: 17.516 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW013348.D
Acq: 30 Sep 2019 23:30

Tgt Ion: 49 Resp: 31377
Ion Ratio Lower Upper
49 100
129 2.8 0.0 1.0#
130 84.3 63.4 95.2

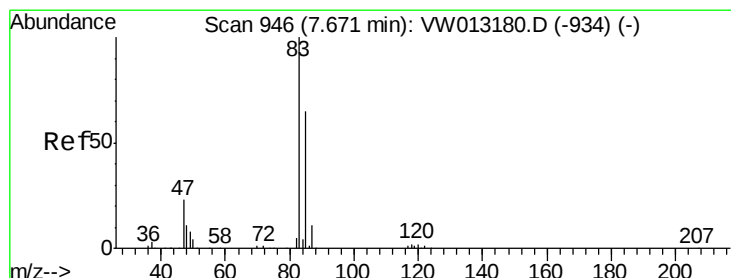
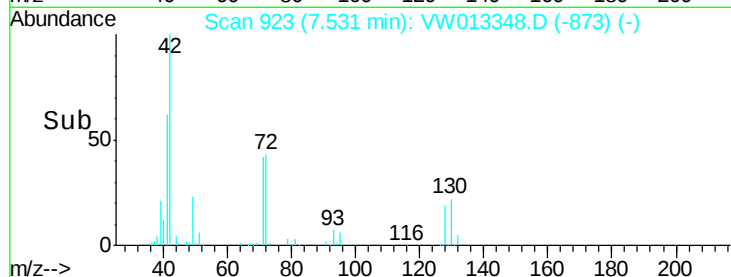
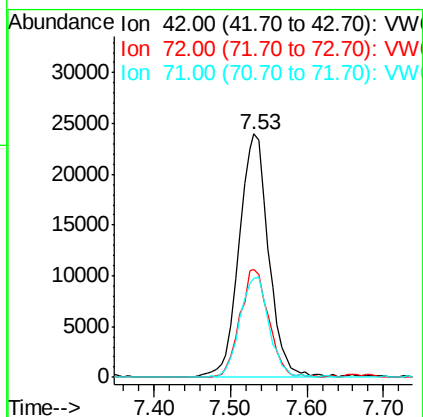
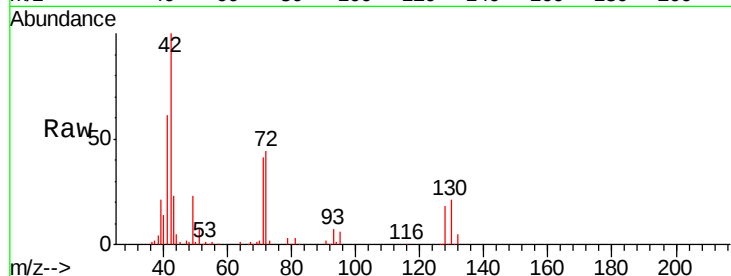




#29
Tetrahydrofuran
Concen: 138.270 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013348.D
Acq: 30 Sep 2019 23:30

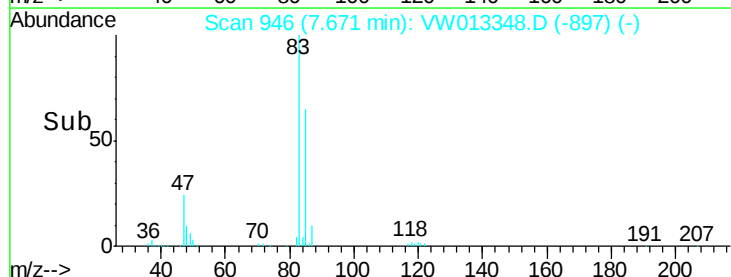
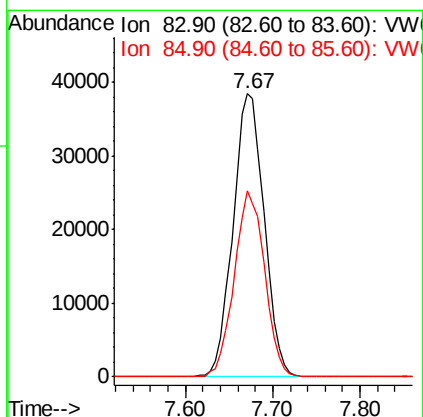
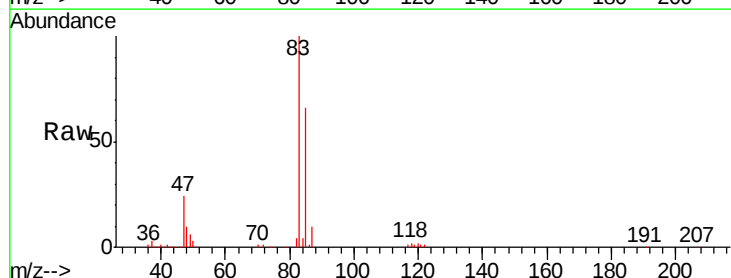
Instrument :
MSVOA_W
ClientSampleId :
VW0930SBS01

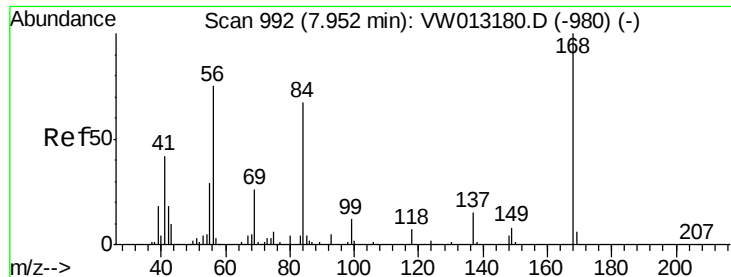
Tgt Ion: 42 Resp: 64430
Ion Ratio Lower Upper
42 100
72 43.4 33.9 50.9
71 40.8 31.9 47.9



#30
Chloroform
Concen: 20.783 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013348.D
Acq: 30 Sep 2019 23:30

Tgt Ion: 83 Resp: 94968
Ion Ratio Lower Upper
83 100
85 65.8 52.3 78.5

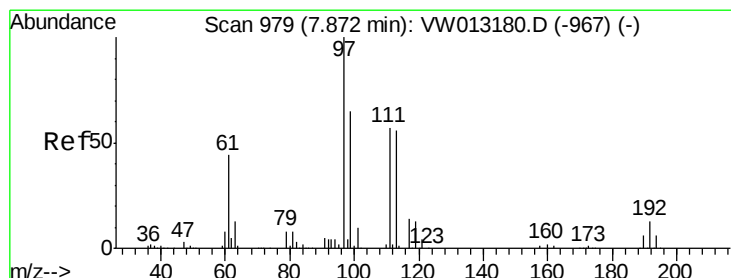
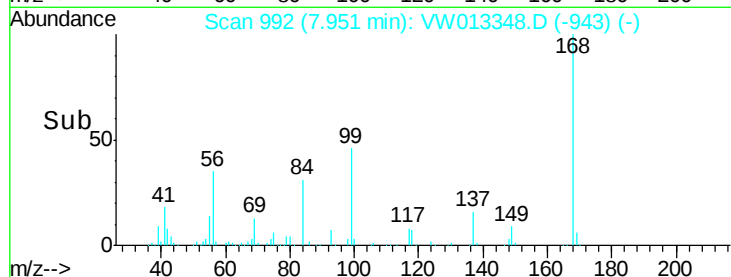
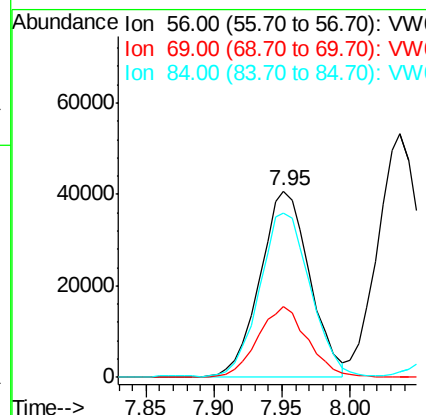
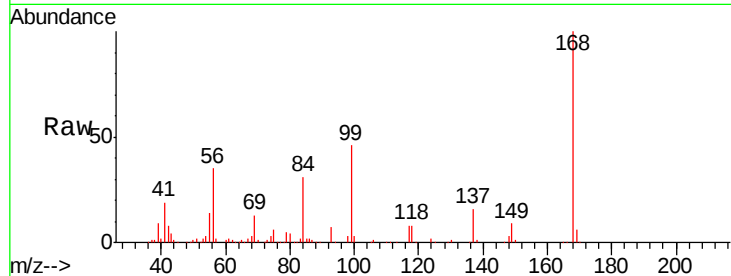




#31
Cyclohexane
Concen: 21.365 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW013348.D
Acq: 30 Sep 2019 23:30

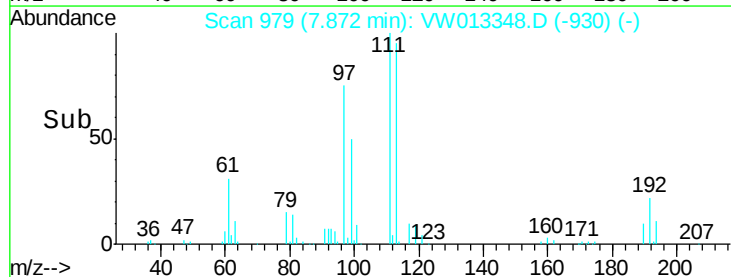
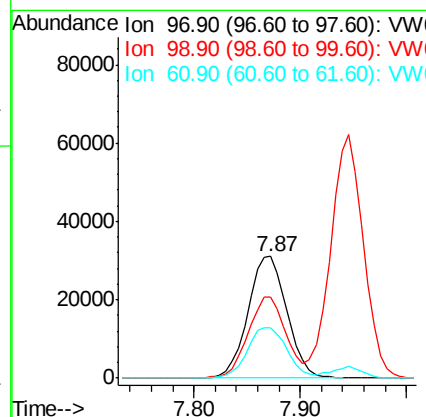
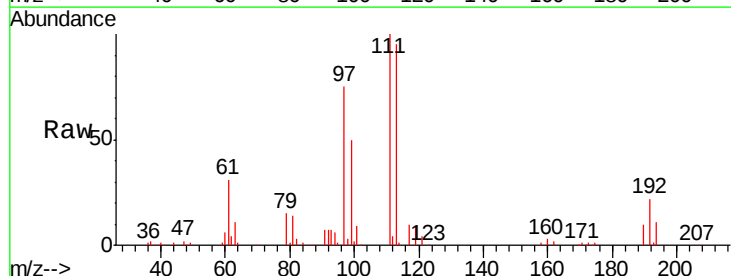
Instrument :
MSVOA_W
ClientSampleId :
VW0930SBS01

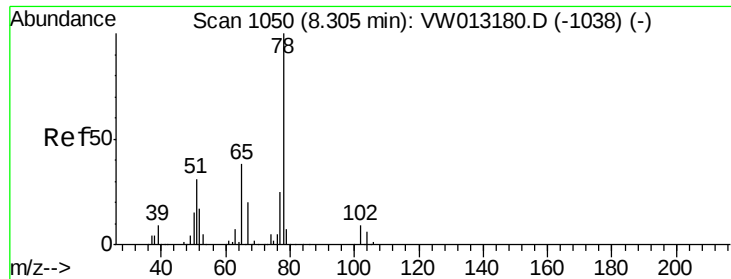
Tgt Ion: 56 Resp: 103942
Ion Ratio Lower Upper
56 100
69 38.1 27.2 40.8
84 87.7 70.8 106.2



#32
1,1,1-Trichloroethane
Concen: 21.500 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW013348.D
Acq: 30 Sep 2019 23:30

Tgt Ion: 97 Resp: 79568
Ion Ratio Lower Upper
97 100
99 64.9 51.7 77.5
61 41.9 34.6 51.8





#33

1,2-Dichloroethane-d4

Concen: 51.758 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013348.D

Acq: 30 Sep 2019 23:30

Instrument :

MSVOA_W

ClientSampleId :

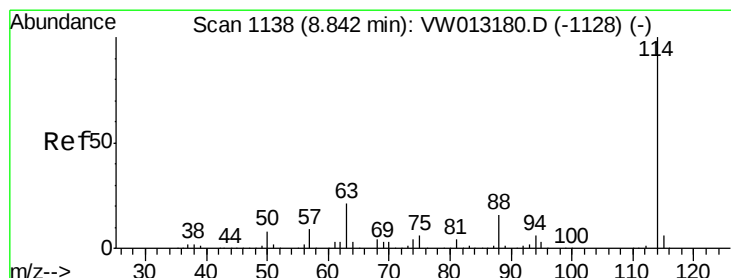
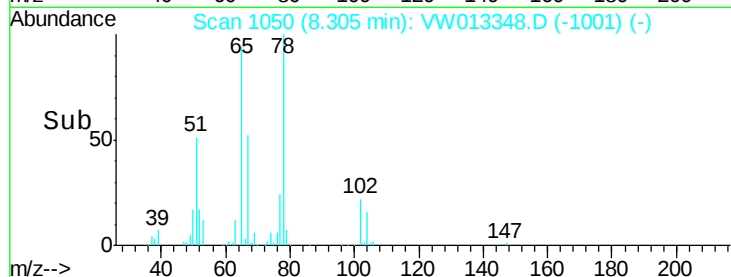
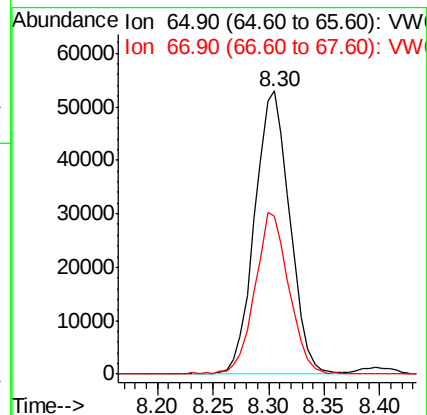
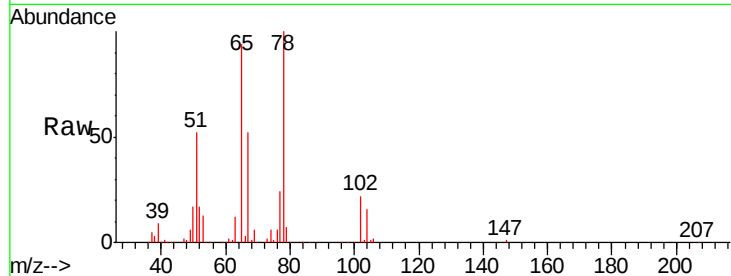
VW0930SBS01

Tgt Ion: 65 Resp: 116169

Ion Ratio Lower Upper

65 100

67 55.2 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013348.D

Acq: 30 Sep 2019 23:30

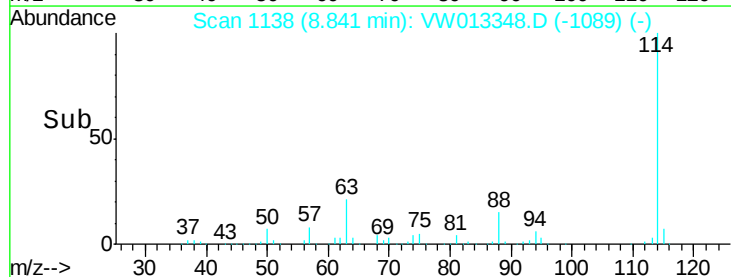
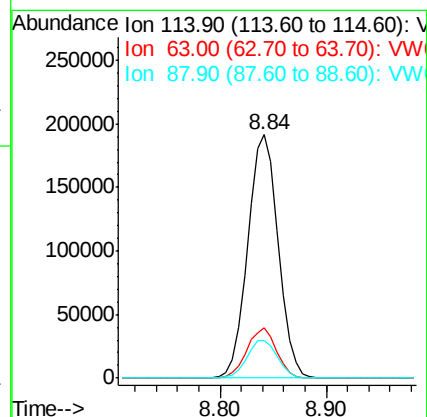
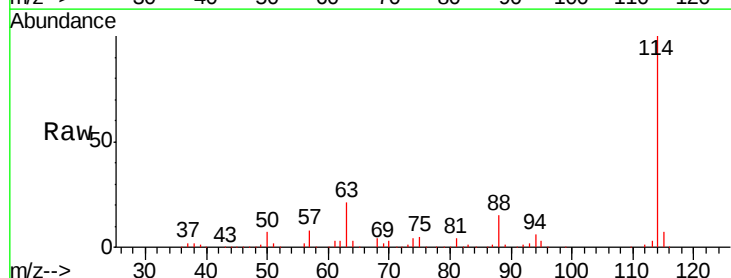
Tgt Ion: 114 Resp: 384780

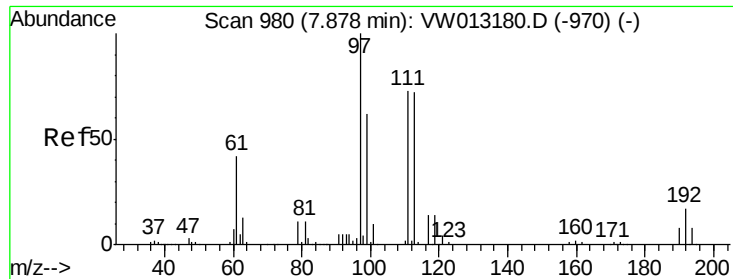
Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.4

88 15.3 0.0 32.0

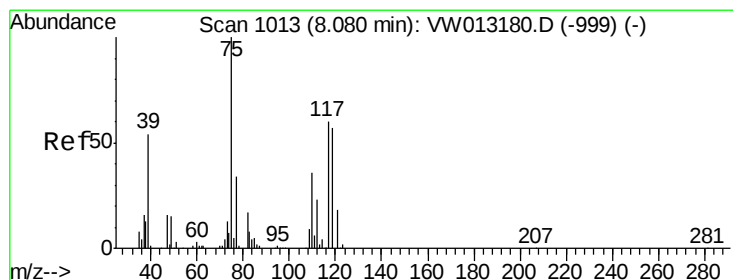
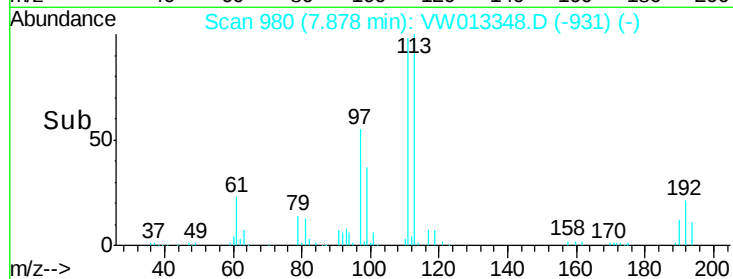
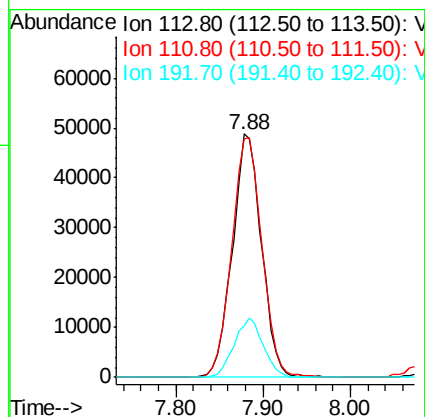
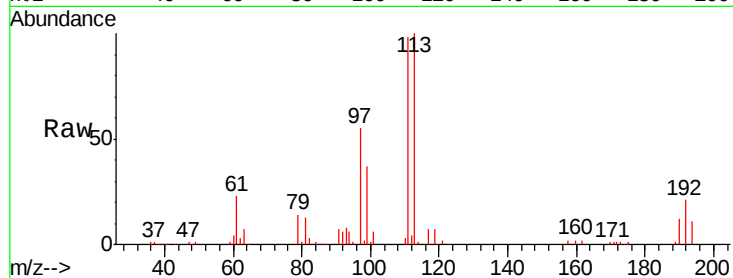




#35
 Dibromofluoromethane
 Concen: 53.400 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013348.D
 Acq: 30 Sep 2019 23:30

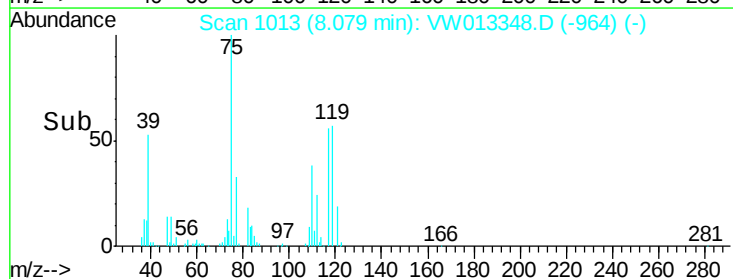
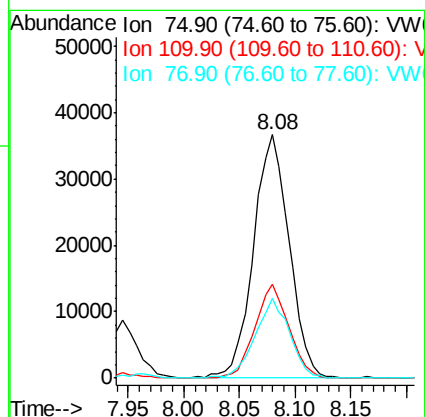
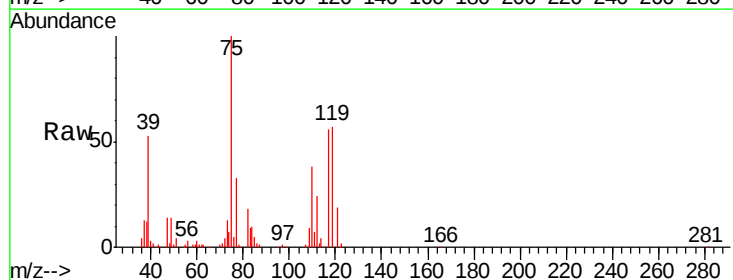
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0930SBS01

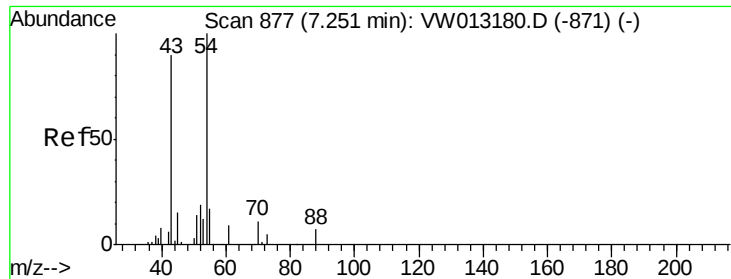
Tgt Ion:113 Resp: 113009
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.9 122.9
 192 24.1 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 22.050 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013348.D
 Acq: 30 Sep 2019 23:30

Tgt Ion: 75 Resp: 82178
 Ion Ratio Lower Upper
 75 100
 110 36.6 18.1 54.3
 77 31.6 25.8 38.6

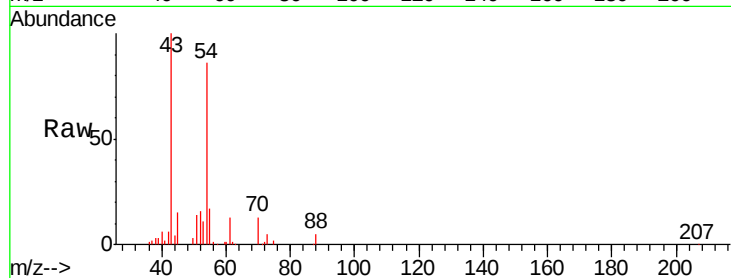




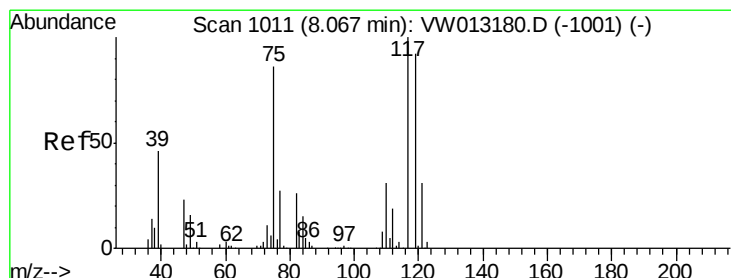
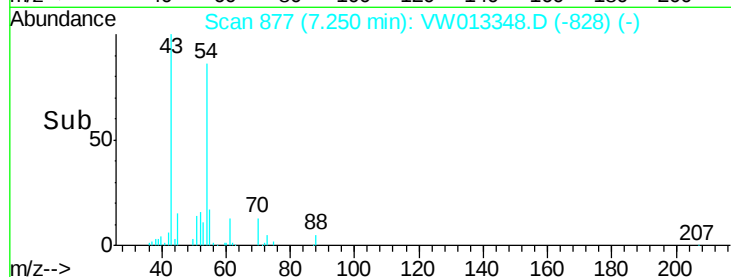
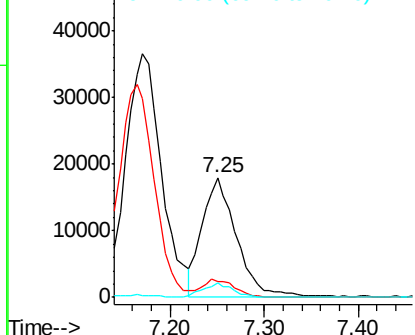
#37
Ethyl Acetate
Concen: 28.432 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013348.D
Acq: 30 Sep 2019 23:30

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBS01

Tgt Ion: 43 Resp: 45035
Ion Ratio Lower Upper
43 100
61 14.0 10.9 16.3
70 10.7 8.2 12.2

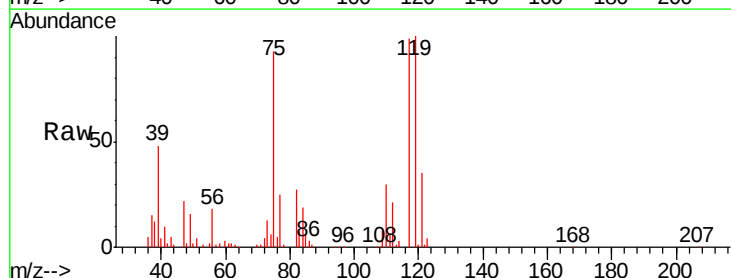


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

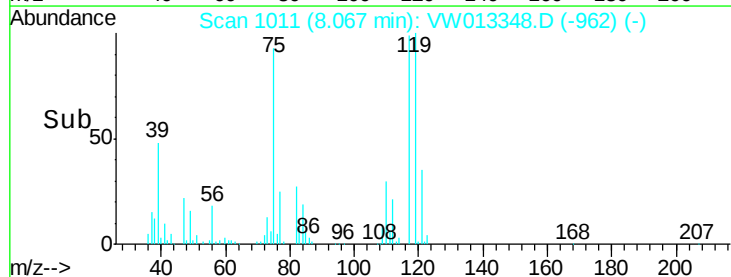
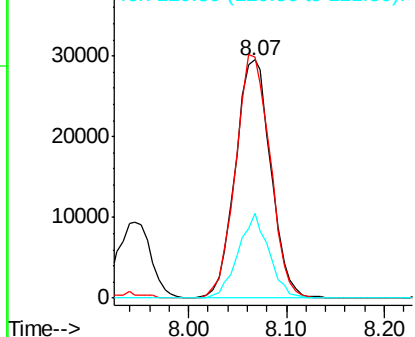


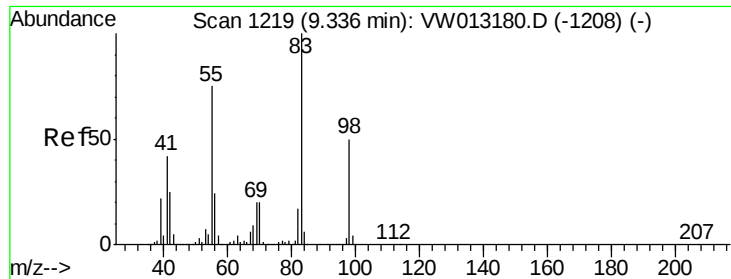
#38
Carbon Tetrachloride
Concen: 22.253 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013348.D
Acq: 30 Sep 2019 23:30

Tgt Ion: 117 Resp: 74343
Ion Ratio Lower Upper
117 100
119 101.4 73.5 110.3
121 35.5 25.0 37.6



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

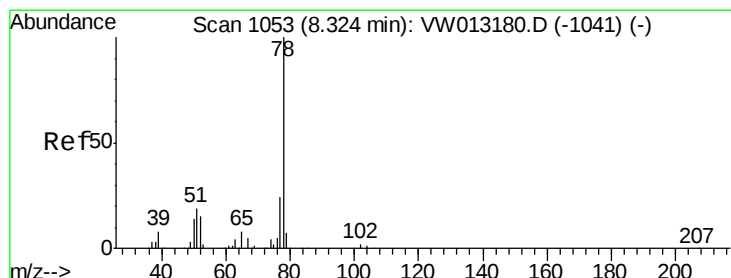
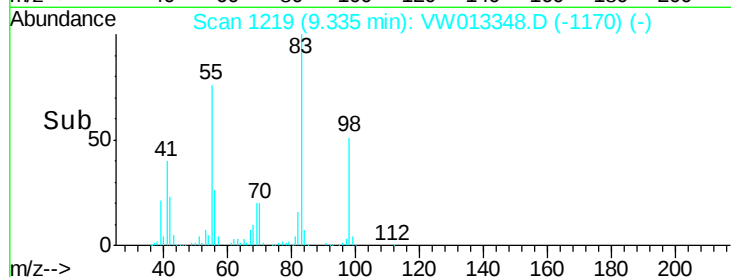
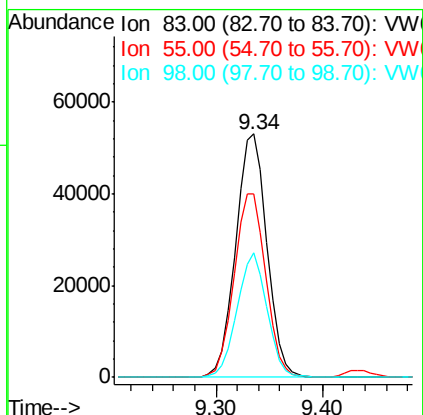
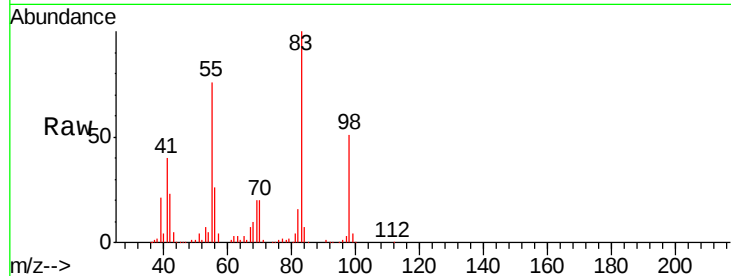




#39
Methylcyclohexane
Concen: 22.884 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013348.D
Acq: 30 Sep 2019 23:30

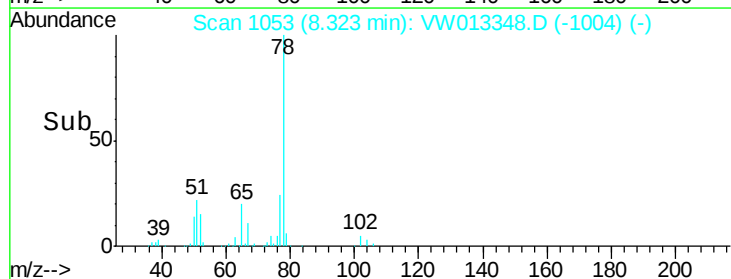
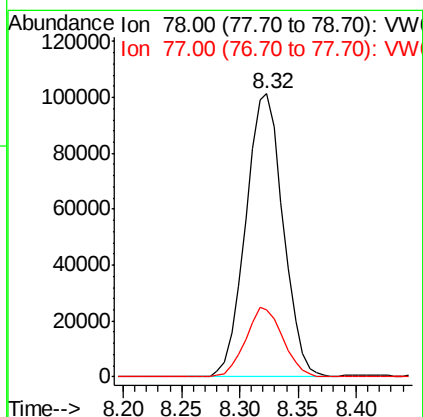
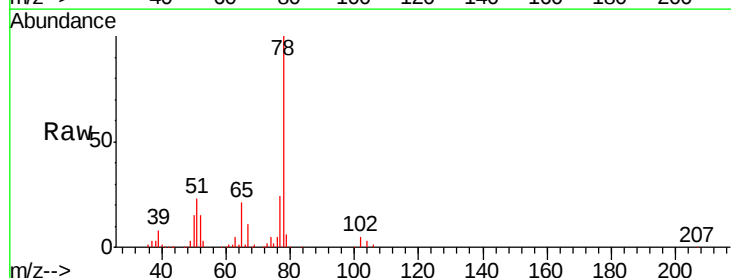
Instrument :
MSVOA_W
ClientSampleId :
VW0930SBS01

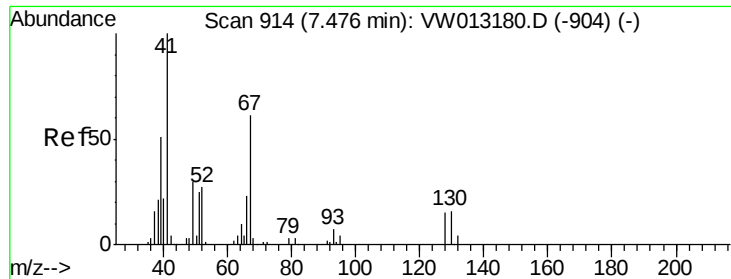
Tgt Ion: 83 Resp: 109599
Ion Ratio Lower Upper
83 100
55 75.5 60.4 90.6
98 51.1 40.0 60.0



#40
Benzene
Concen: 21.816 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013348.D
Acq: 30 Sep 2019 23:30

Tgt Ion: 78 Resp: 226788
Ion Ratio Lower Upper
78 100
77 23.9 19.1 28.7

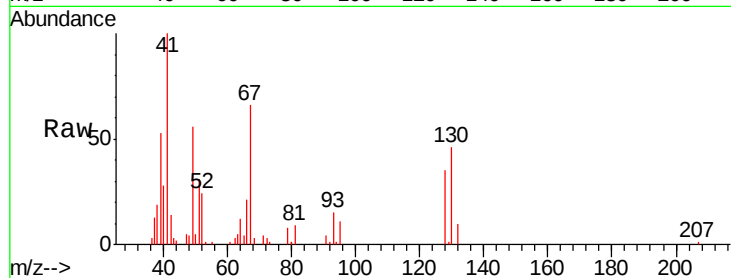




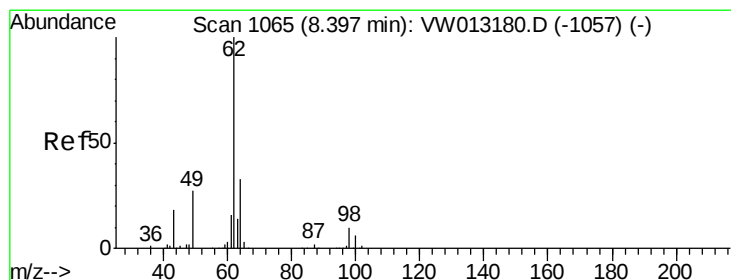
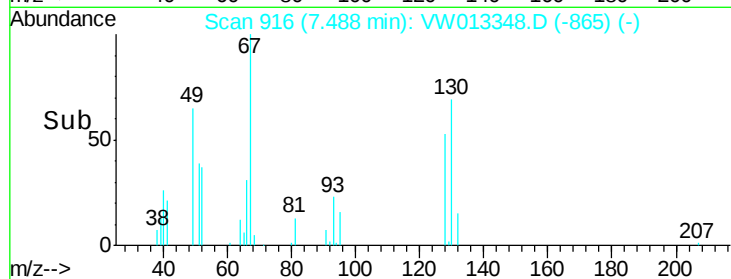
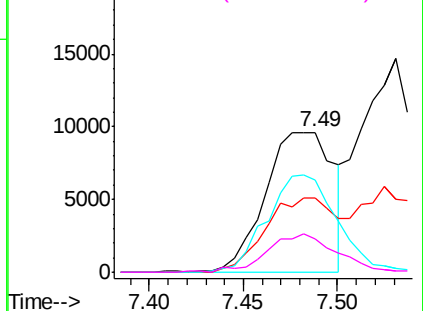
#41
Methacrylonitrile
Concen: 25.663 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW013348.D
Acq: 30 Sep 2019 23:30

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBS01

Tgt Ion:	41	Resp:	24260
Ion	Ratio	Lower	Upper
41	100		
39	58.5	45.9	68.9
67	72.0	54.5	81.7
52	28.2	22.5	33.7

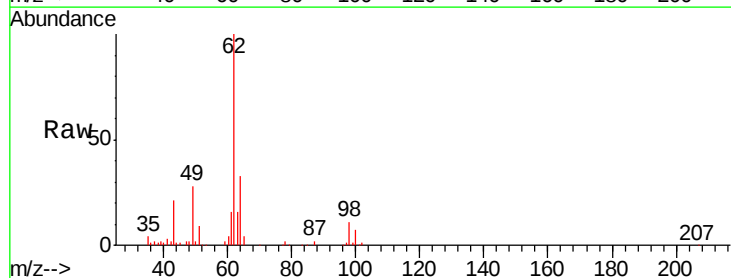


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

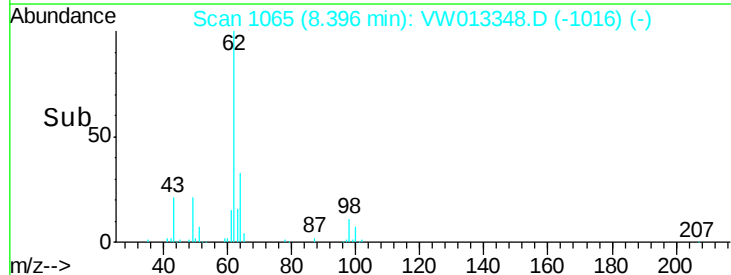
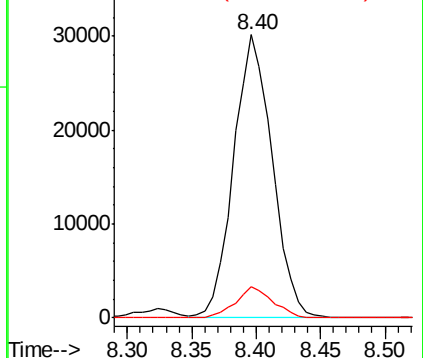


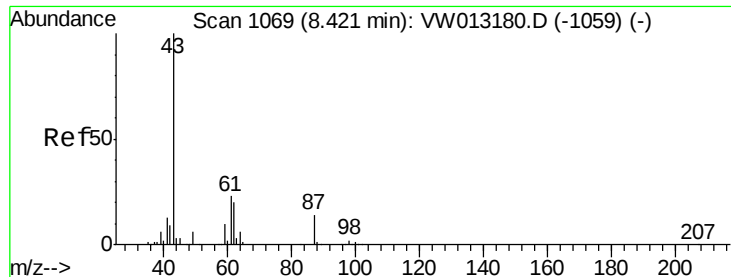
#42
1,2-Dichloroethane
Concen: 22.467 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013348.D
Acq: 30 Sep 2019 23:30

Tgt Ion:	62	Resp:	62783
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	20.6



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 24.916 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013348.D

Acq: 30 Sep 2019 23:30

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBS01

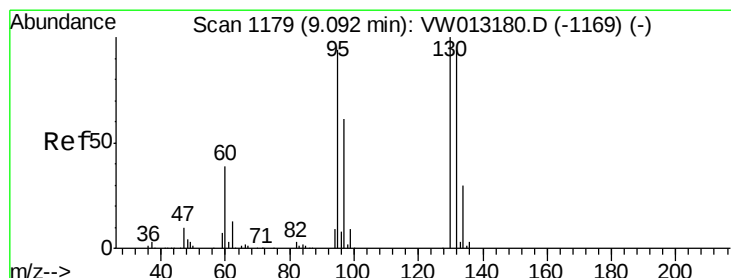
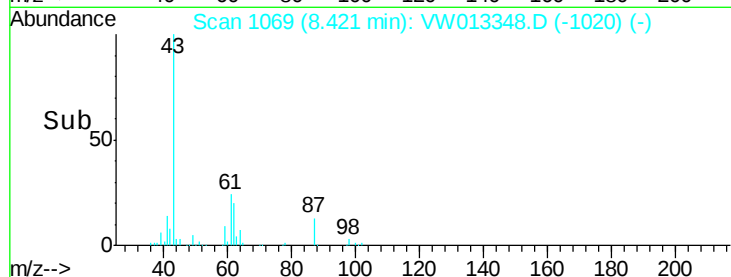
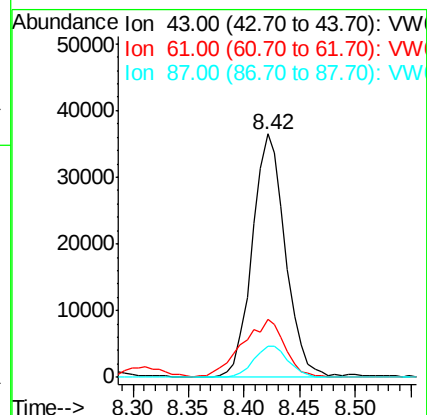
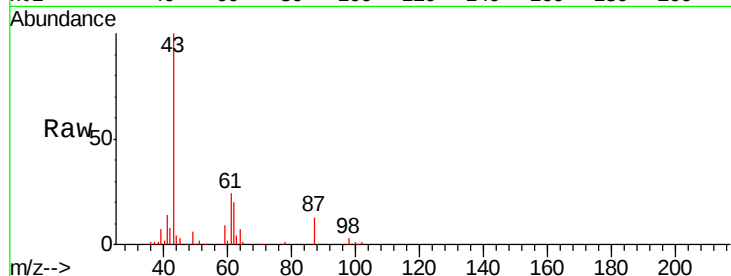
Tgt Ion: 43 Resp: 75639

Ion Ratio Lower Upper

43 100

61 30.6 25.5 38.3

87 13.6 11.0 16.4



#44

Trichloroethene

Concen: 22.189 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013348.D

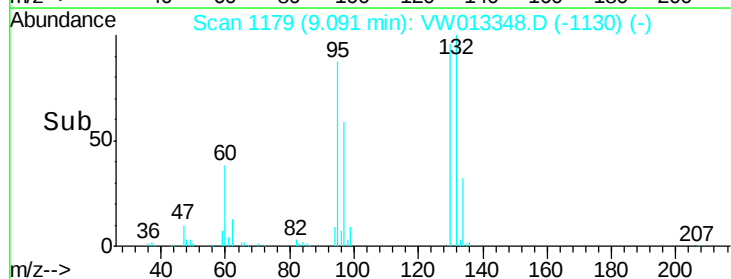
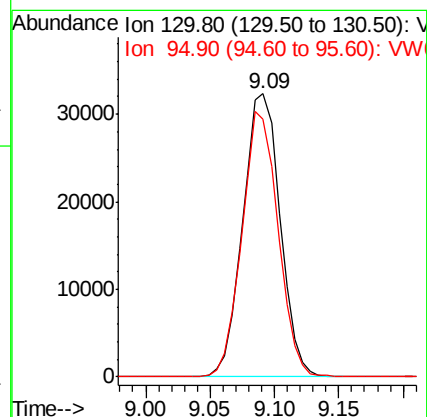
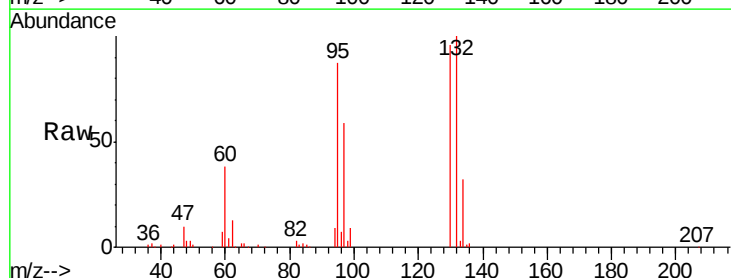
Acq: 30 Sep 2019 23:30

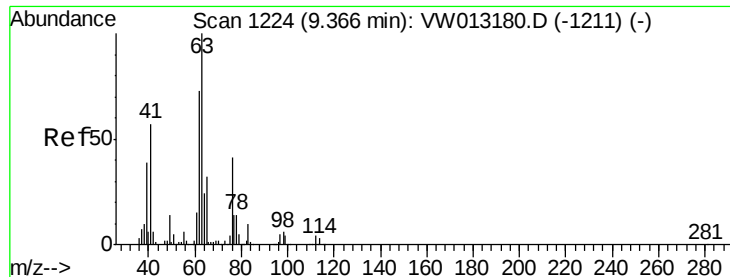
Tgt Ion: 130 Resp: 64718

Ion Ratio Lower Upper

130 100

95 91.2 0.0 188.0





#45

1,2-Dichloropropane

Concen: 21.545 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013348.D

Acq: 30 Sep 2019 23:30

Instrument :

MSVOA_W

ClientSampleId :

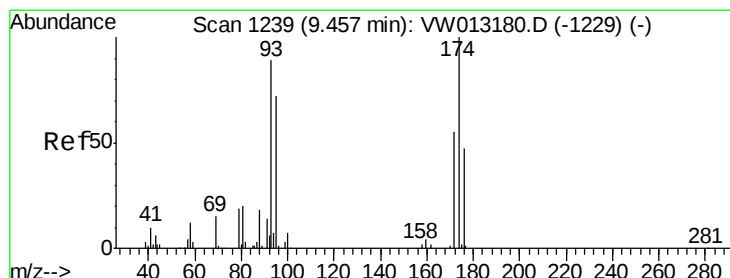
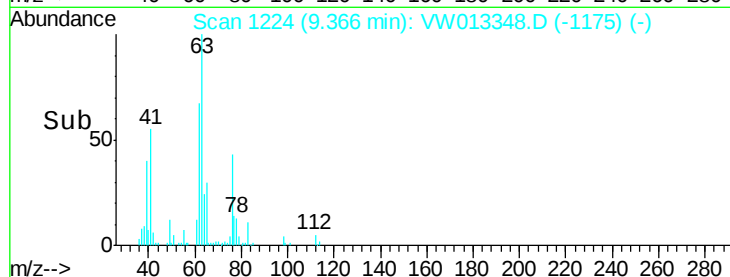
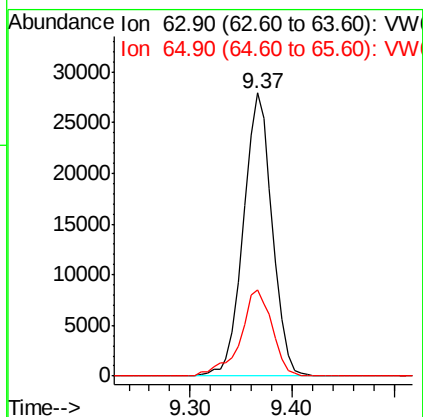
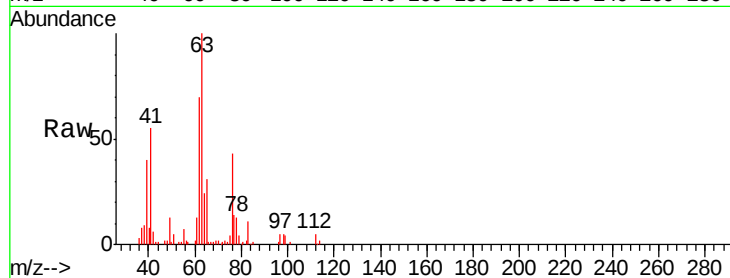
VW0930SBS01

Tgt Ion: 63 Resp: 54680

Ion Ratio Lower Upper

63 100

65 30.7 25.3 37.9



#46

Dibromomethane

Concen: 24.418 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013348.D

Acq: 30 Sep 2019 23:30

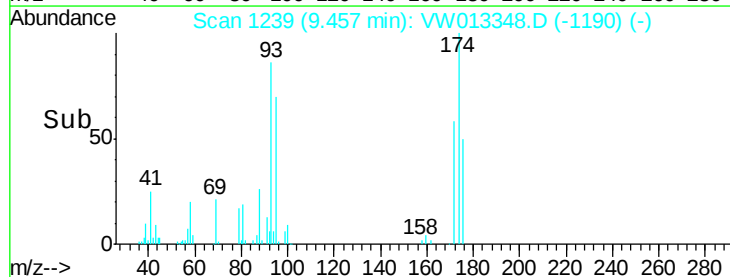
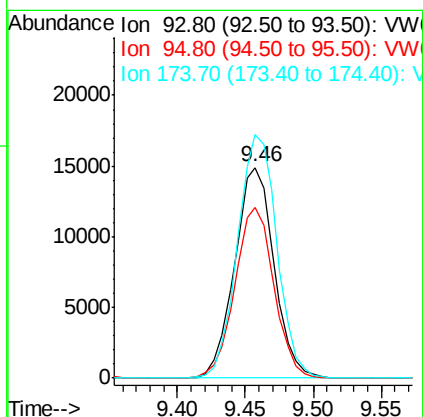
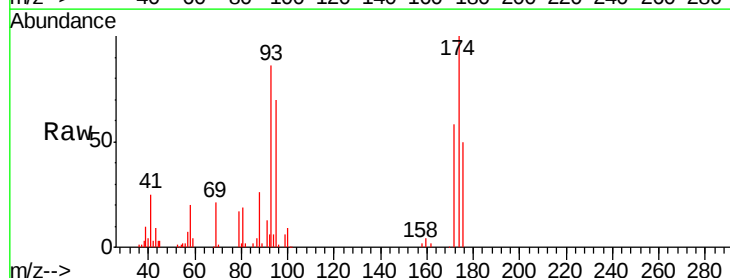
Tgt Ion: 93 Resp: 30087

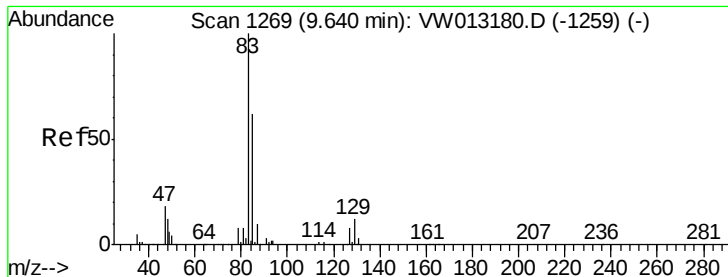
Ion Ratio Lower Upper

93 100

95 80.3 66.4 99.6

174 115.5 93.0 139.6





#47

Bromodichloromethane

Concen: 21.372 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW013348.D

Acq: 30 Sep 2019 23:30

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBS01

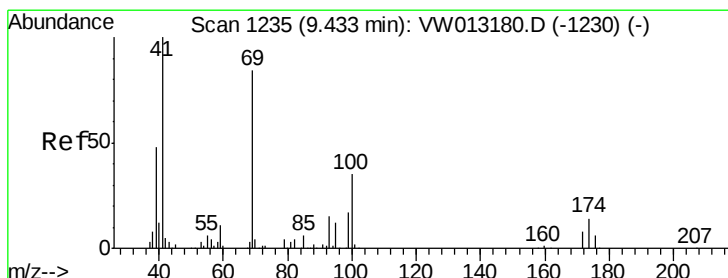
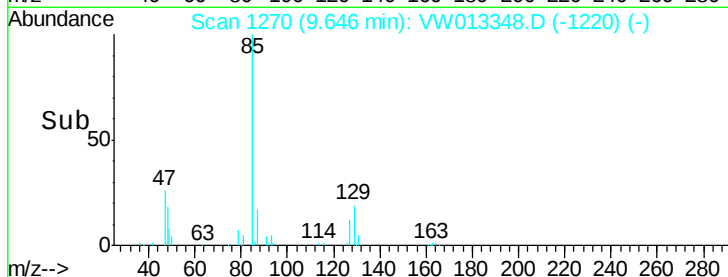
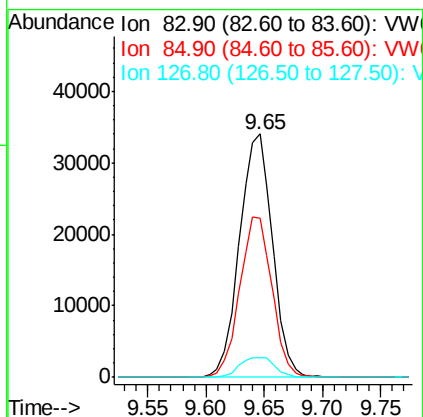
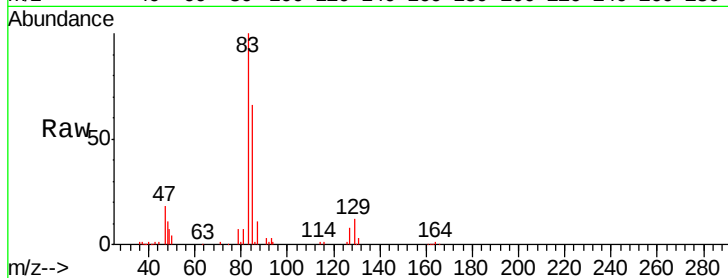
Tgt Ion: 83 Resp: 67006

Ion Ratio Lower Upper

83 100

85 65.6 49.4 74.2

127 7.9 6.5 9.7



#48

Methyl methacrylate

Concen: 27.635 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW013348.D

Acq: 30 Sep 2019 23:30

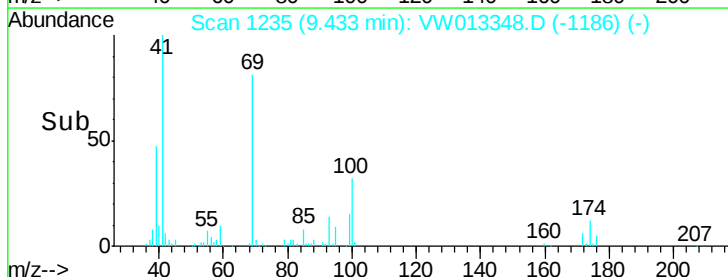
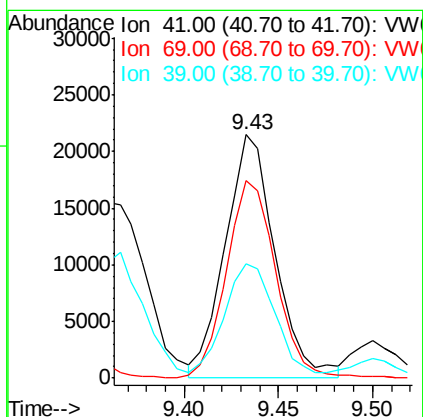
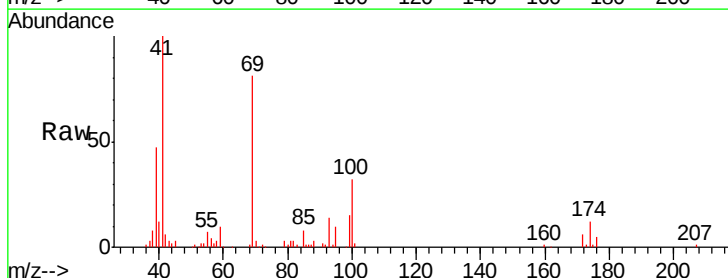
Tgt Ion: 41 Resp: 39448

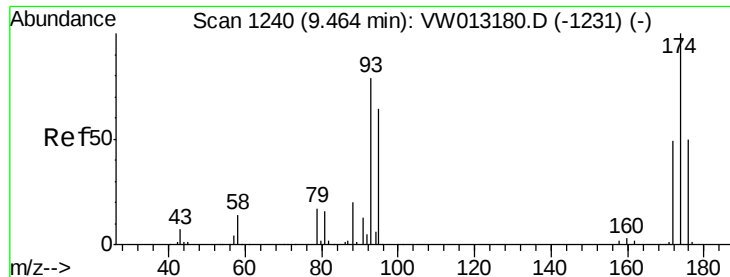
Ion Ratio Lower Upper

41 100

69 80.6 69.7 104.5

39 44.7 41.1 61.7





#49

1,4-Dioxane

Concen: 637.233 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VW013348.D

Acq: 30 Sep 2019 23:30

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBS01

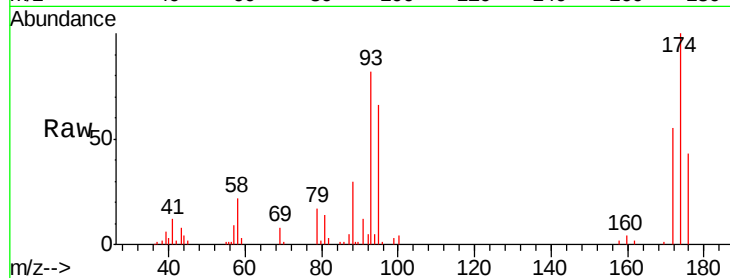
Tgt Ion: 88 Resp: 11786

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

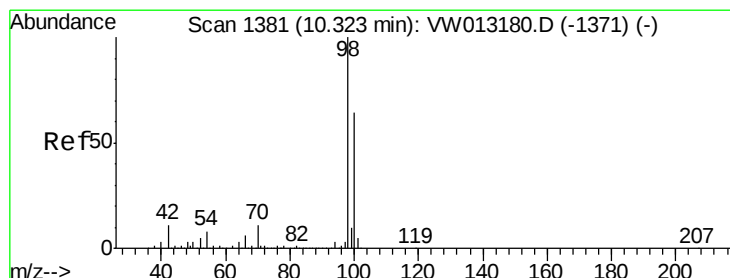
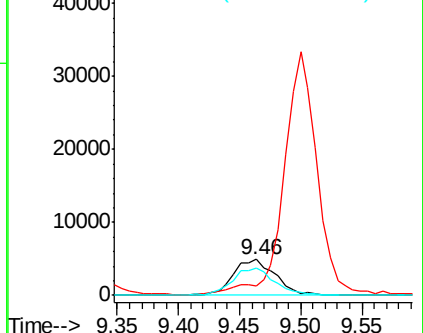
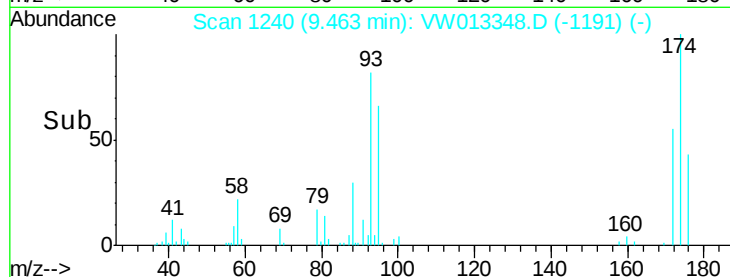
58 76.0 65.4 98.0



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: 52.918 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013348.D

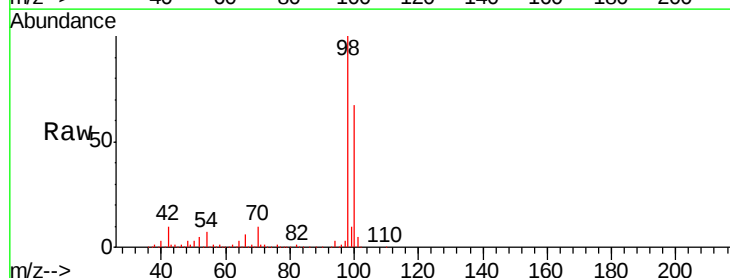
Acq: 30 Sep 2019 23:30

Tgt Ion: 98 Resp: 468694

Ion Ratio Lower Upper

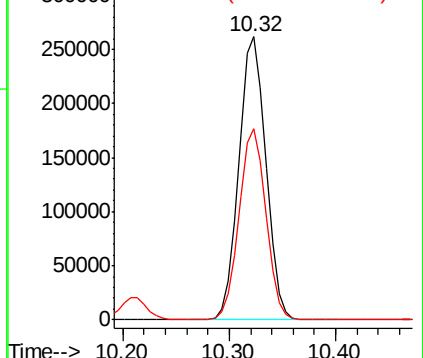
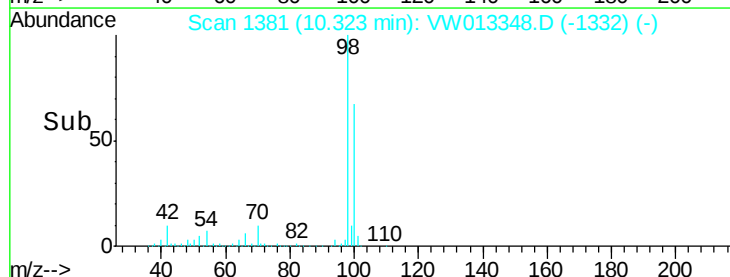
98 100

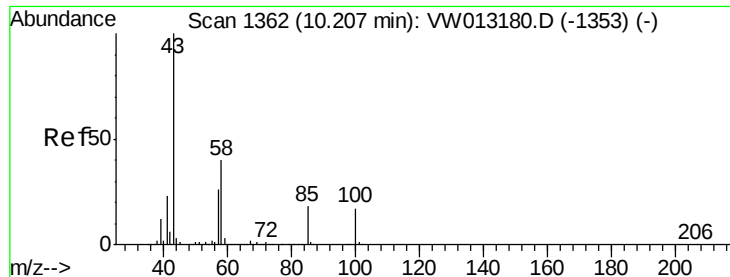
100 67.0 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

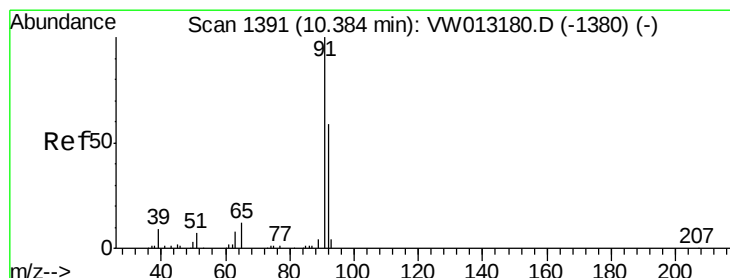
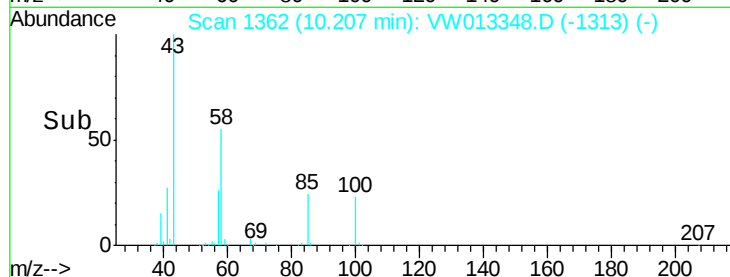
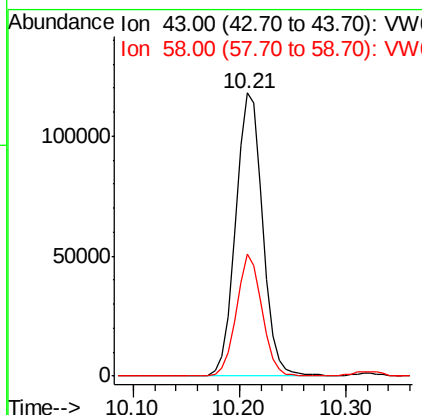
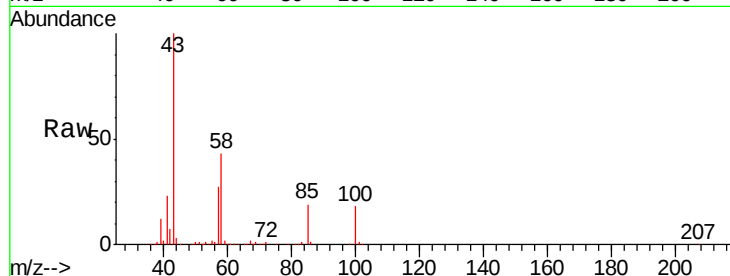




#51
 4-Methyl-2-Pentanone
 Concen: 137.675 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013348.D
 Acq: 30 Sep 2019 23:30

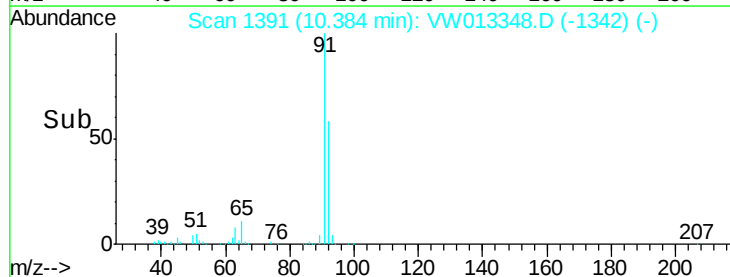
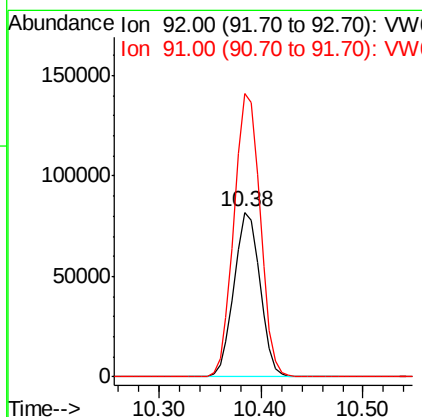
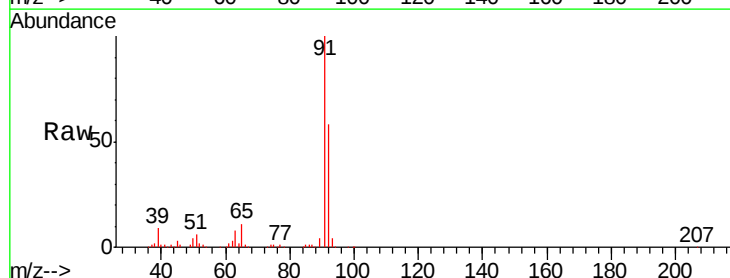
Instrument :
 MSVOA_W
 ClientSampled :
 VW0930SBS01

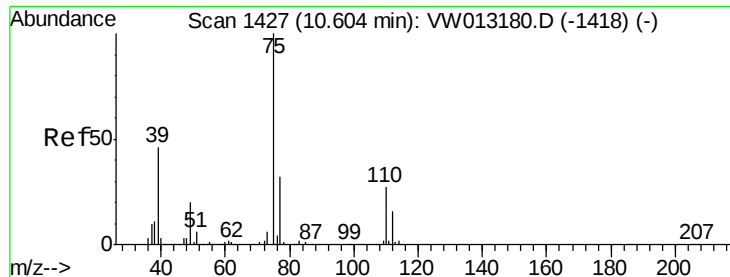
Tgt Ion: 43 Resp: 209525
 Ion Ratio Lower Upper
 43 100
 58 41.0 31.7 47.5



#52
 Toluene
 Concen: 21.627 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW013348.D
 Acq: 30 Sep 2019 23:30

Tgt Ion: 92 Resp: 144083
 Ion Ratio Lower Upper
 92 100
 91 173.9 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 21.703 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013348.D

Acq: 30 Sep 2019 23:30

Instrument :

MSVOA_W

ClientSampleId :

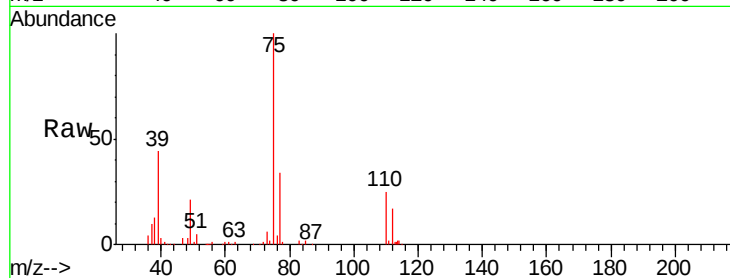
VW0930SBS01

Tgt Ion: 75 Resp: 69911

Ion Ratio Lower Upper

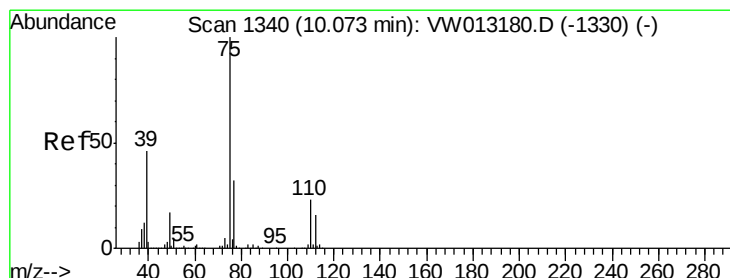
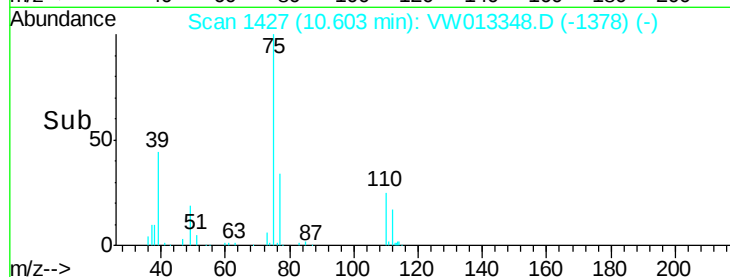
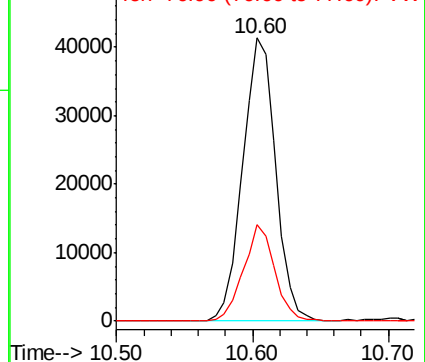
75 100

77 33.9 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 21.399 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013348.D

Acq: 30 Sep 2019 23:30

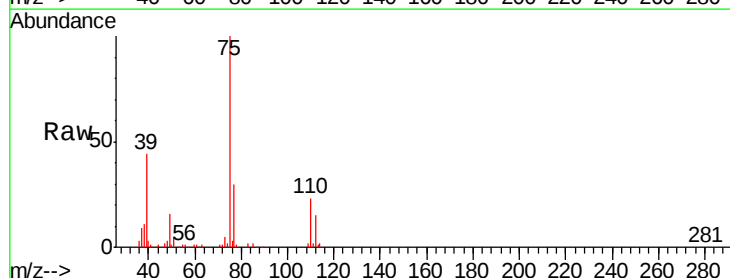
Tgt Ion: 75 Resp: 83809

Ion Ratio Lower Upper

75 100

77 29.7 25.2 37.8

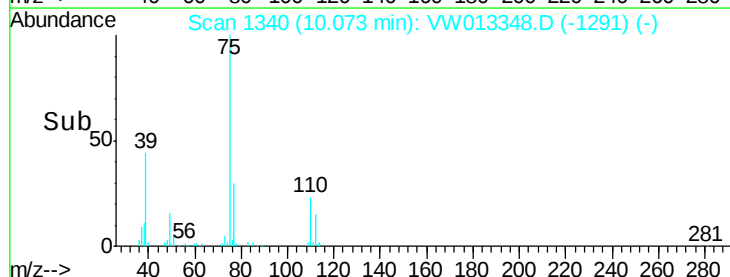
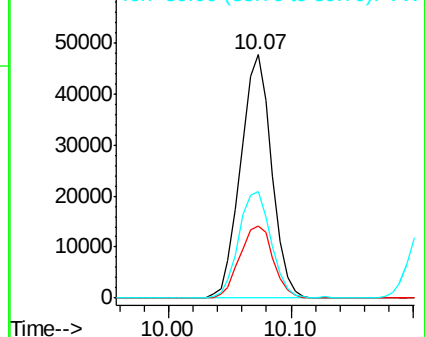
39 43.6 36.6 55.0

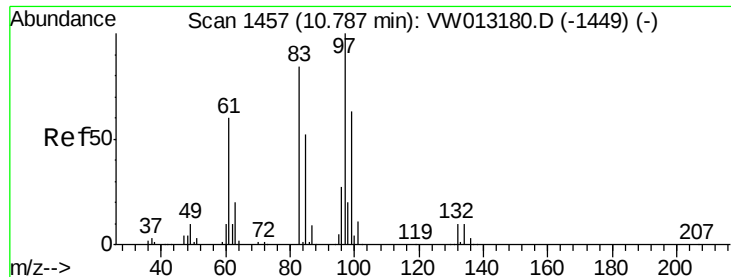


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

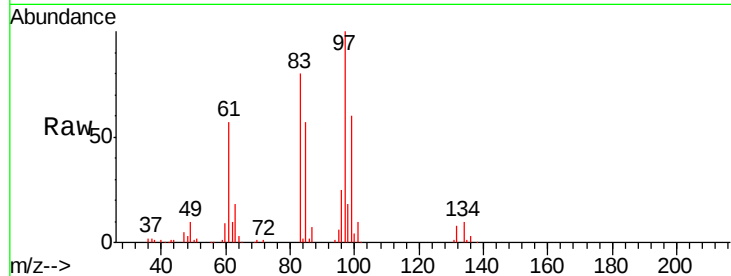




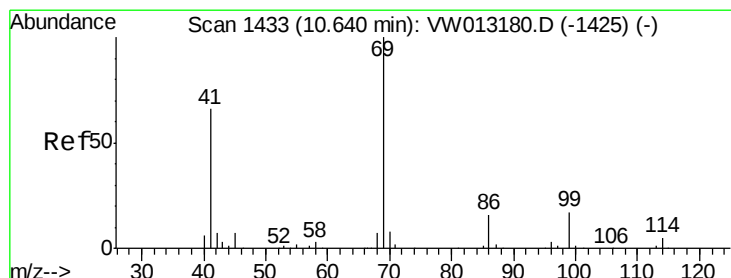
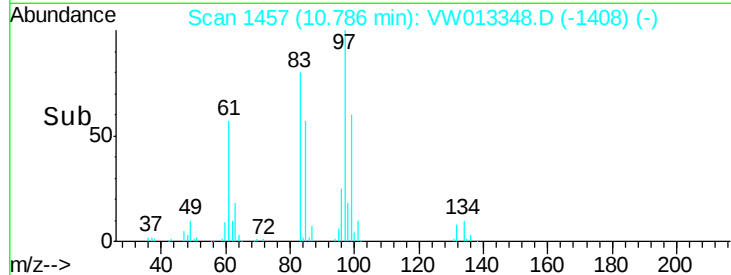
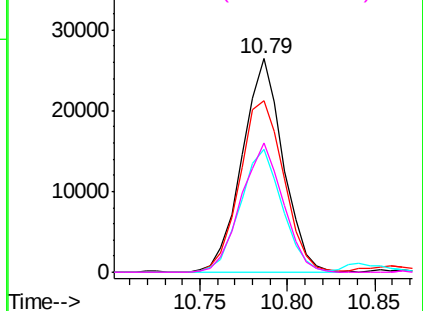
#55
 1,1,2-Trichloroethane
 Concen: 23.295 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013348.D
 Acq: 30 Sep 2019 23:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0930SBS01

Tgt Ion: 97 Resp: 42902
 Ion Ratio Lower Upper
 97 100
 83 80.0 67.6 101.4
 85 57.1 41.9 62.9
 99 60.5 50.1 75.1

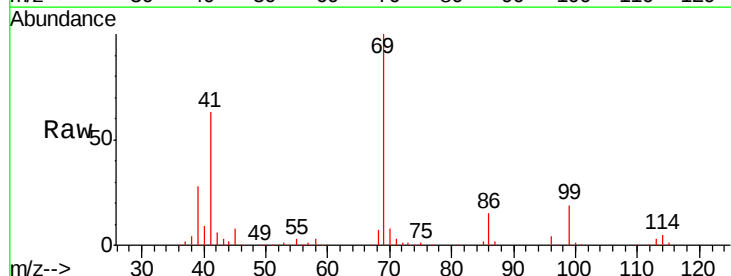


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

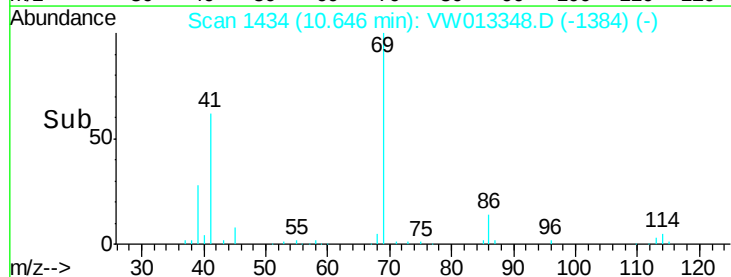
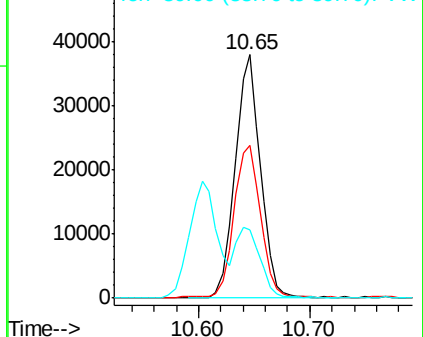


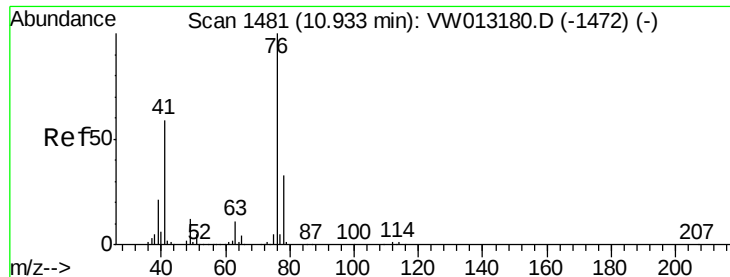
#56
 Ethyl methacrylate
 Concen: 24.684 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW013348.D
 Acq: 30 Sep 2019 23:30

Tgt Ion: 69 Resp: 59496
 Ion Ratio Lower Upper
 69 100
 41 67.2 53.9 80.9
 39 28.6 23.8 35.6



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

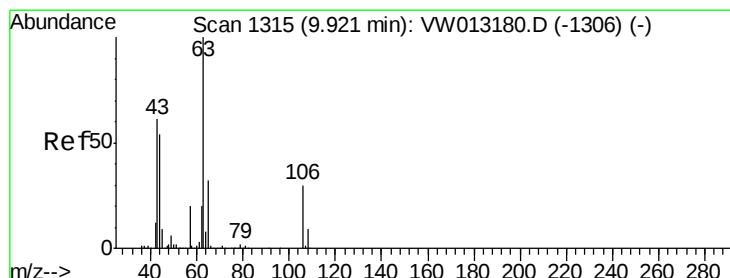
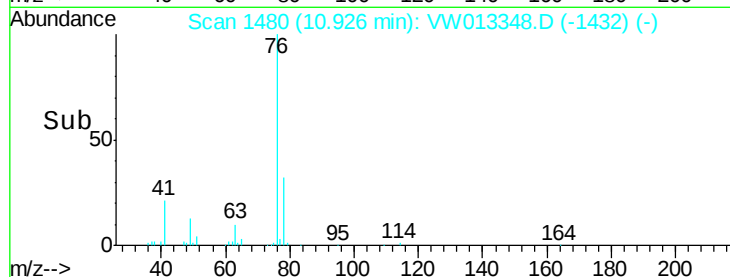
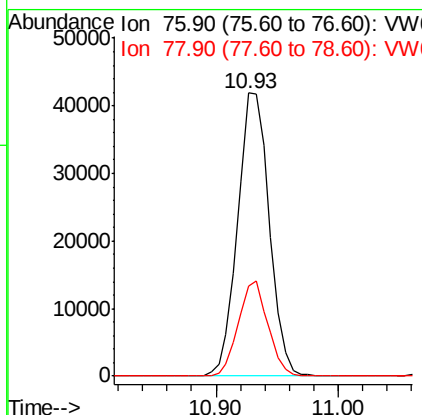
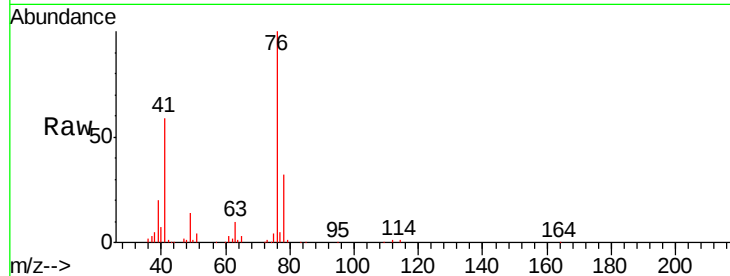




#57
 1,3-Dichloropropane
 Concen: 23.349 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VW013348.D
 Acq: 30 Sep 2019 23:30

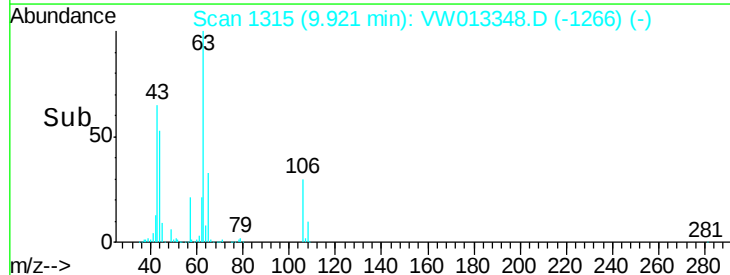
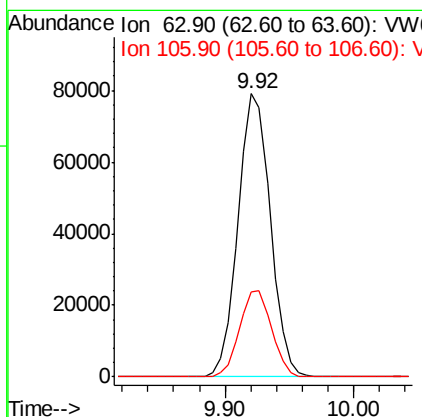
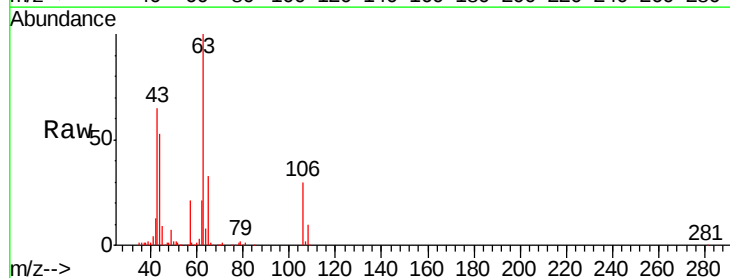
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0930SBS01

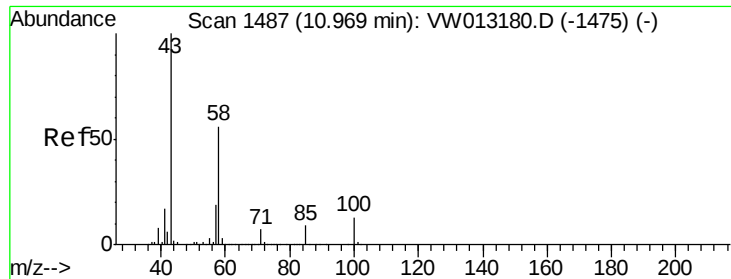
Tgt Ion: 76 Resp: 75040
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 123.030 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013348.D
 Acq: 30 Sep 2019 23:30

Tgt Ion: 63 Resp: 137280
 Ion Ratio Lower Upper
 63 100
 106 30.3 23.4 35.0

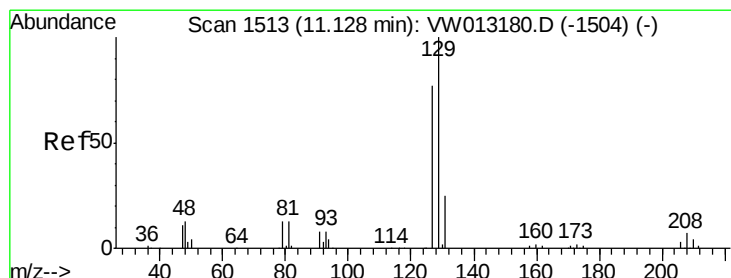
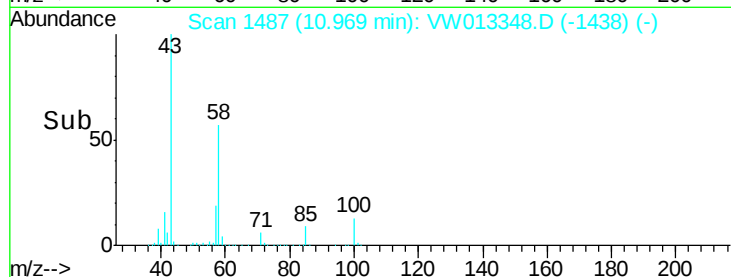
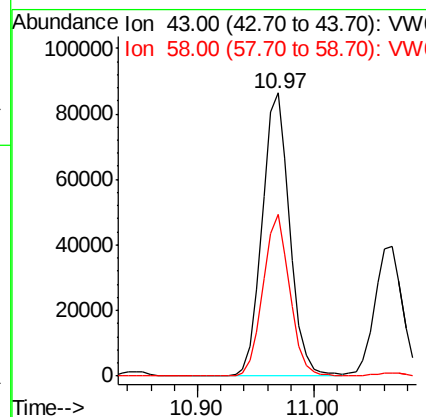
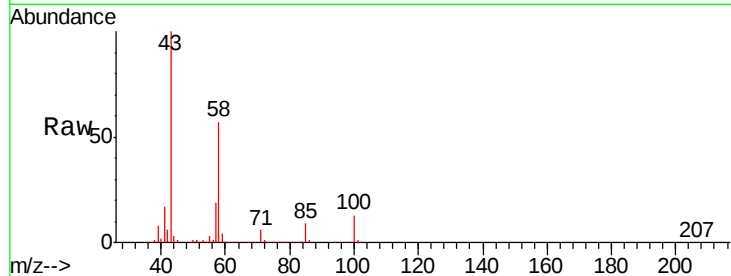




#59
2-Hexanone
Concen: 136.033 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013348.D
Acq: 30 Sep 2019 23:30

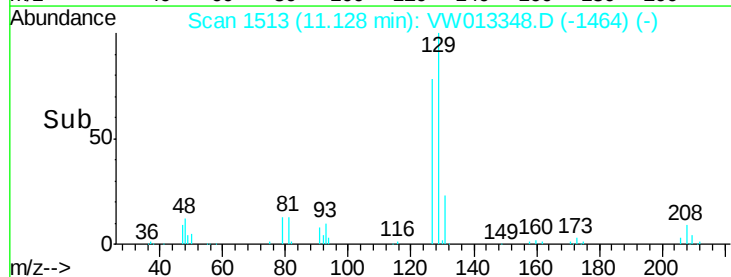
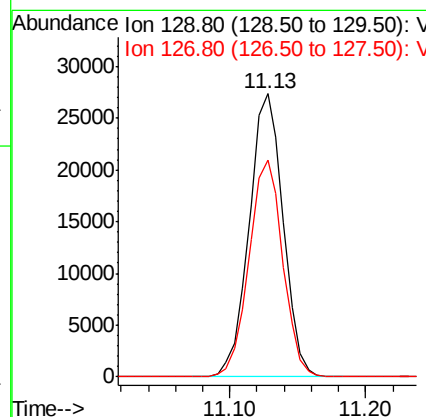
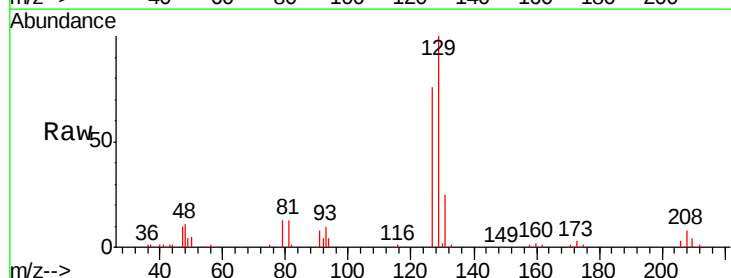
Instrument :
MSVOA_W
ClientSampleId :
VW0930SBS01

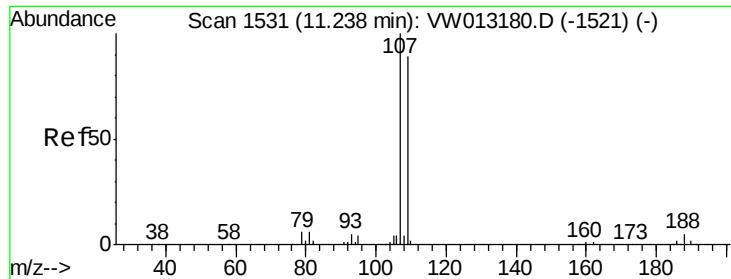
Tgt Ion: 43 Resp: 142433
Ion Ratio Lower Upper
43 100
58 55.7 28.1 84.2



#60
Dibromochloromethane
Concen: 22.910 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013348.D
Acq: 30 Sep 2019 23:30

Tgt Ion: 129 Resp: 47910
Ion Ratio Lower Upper
129 100
127 76.0 38.8 116.4

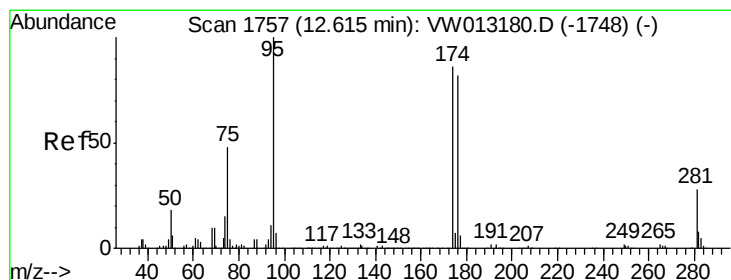
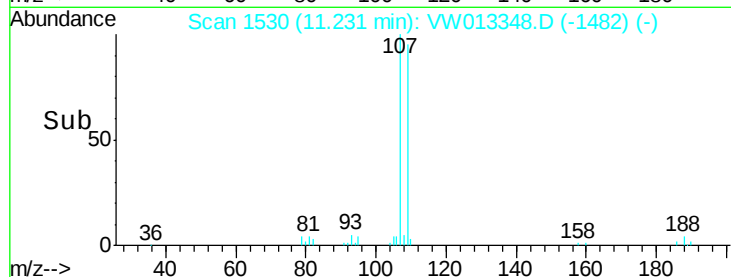
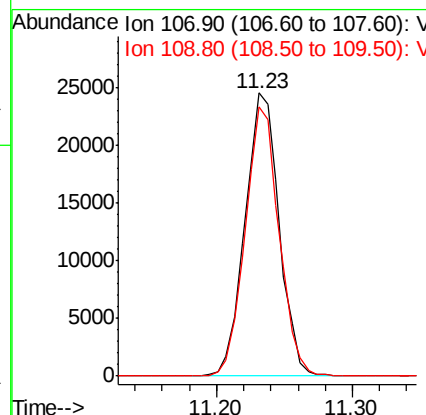
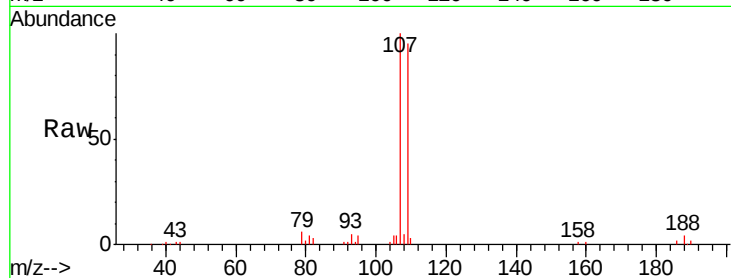




#61
 1,2-Dibromoethane
 Concen: 24.599 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013348.D
 Acq: 30 Sep 2019 23:30

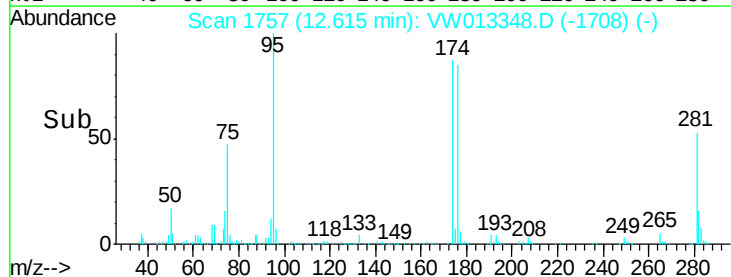
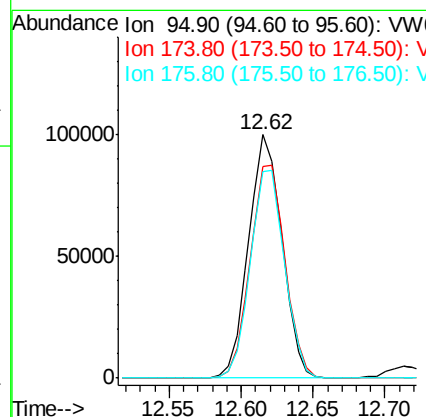
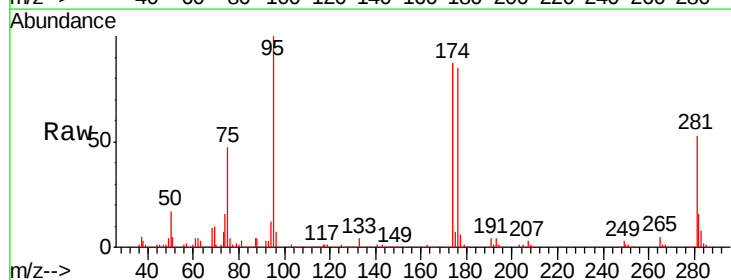
Instrument :
 MSVOA_W
 ClientSampled :
 VW0930SBS01

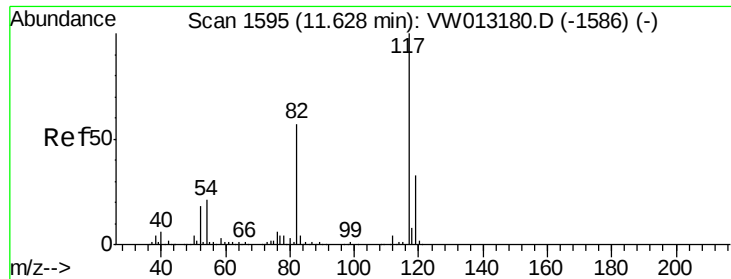
Tgt Ion: 107 Resp: 43074
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 53.086 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013348.D
 Acq: 30 Sep 2019 23:30

Tgt Ion: 95 Resp: 160608
 Ion Ratio Lower Upper
 95 100
 174 90.7 0.0 178.4
 176 87.3 0.0 172.2

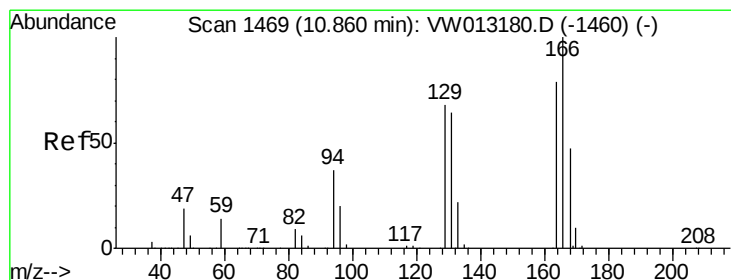
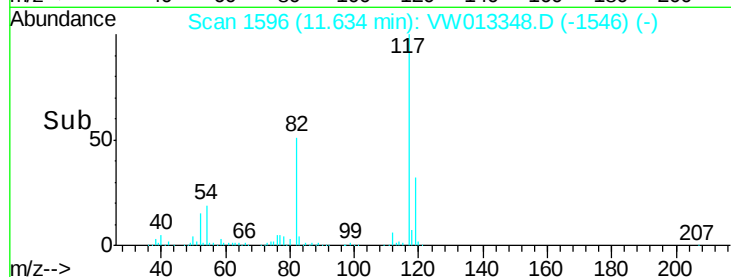
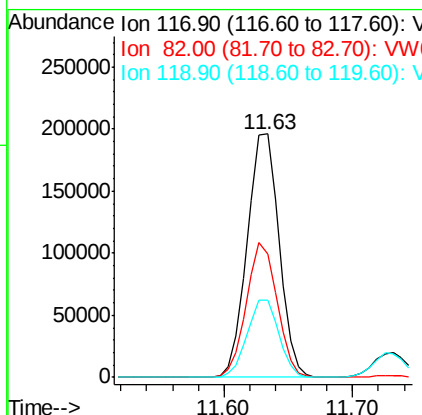
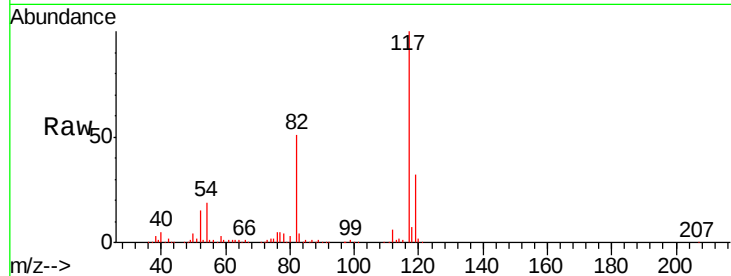




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW013348.D
Acq: 30 Sep 2019 23:30

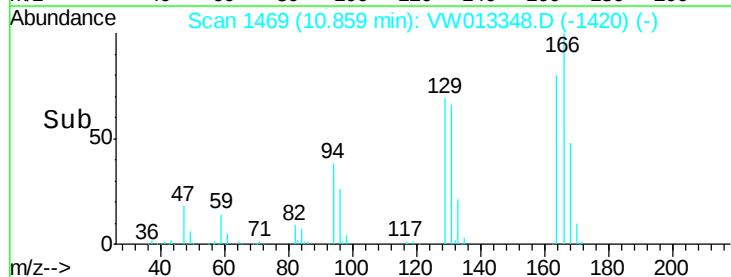
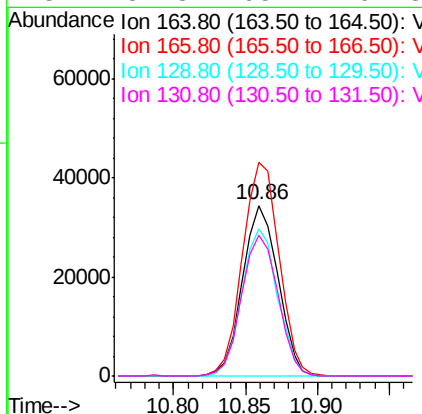
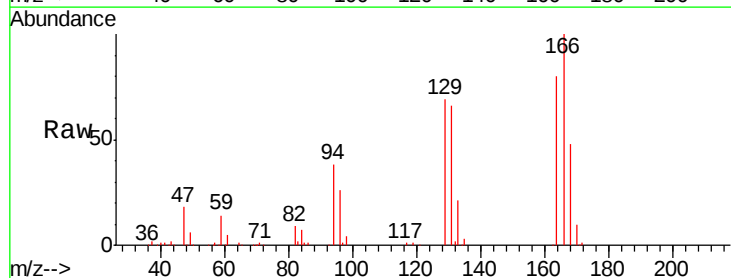
Instrument :
MSVOA_W
ClientSampleId :
VW0930SBS01

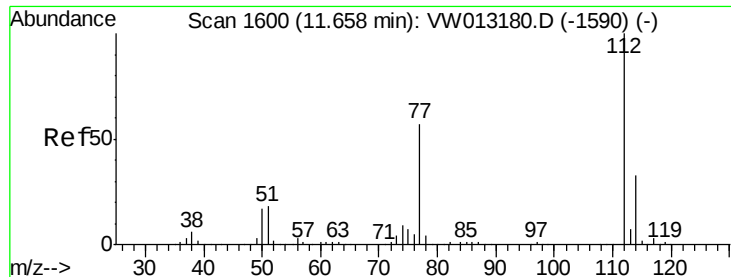
Tgt Ion:117 Resp: 335551
Ion Ratio Lower Upper
117 100
82 50.7 45.9 68.9
119 31.7 26.2 39.2



#64
Tetrachloroethene
Concen: 23.146 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013348.D
Acq: 30 Sep 2019 23:30

Tgt Ion:164 Resp: 58929
Ion Ratio Lower Upper
164 100
166 125.3 101.2 151.8
129 86.0 68.8 103.2
131 82.8 65.2 97.8

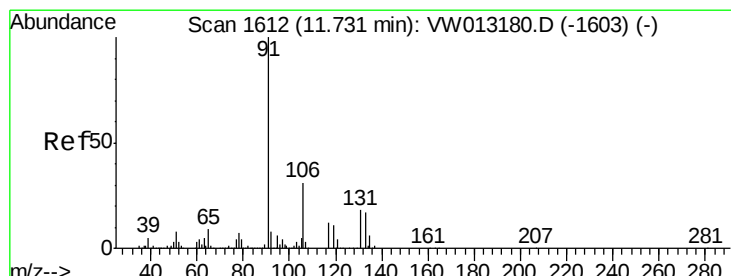
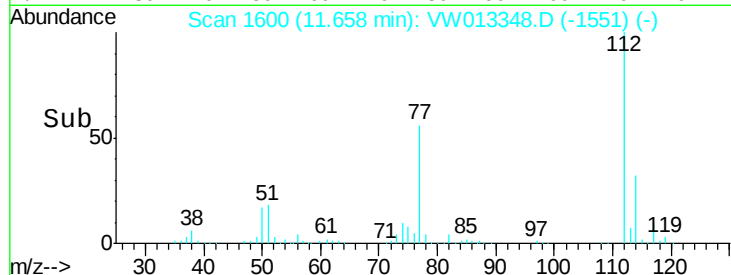
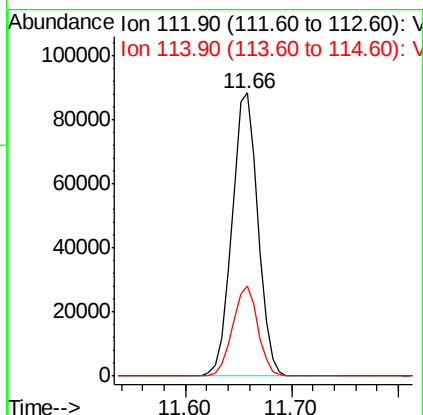
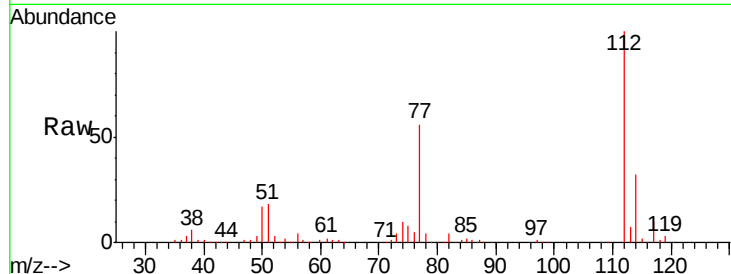




#65
Chlorobenzene
Concen: 21.520 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013348.D
Acq: 30 Sep 2019 23:30

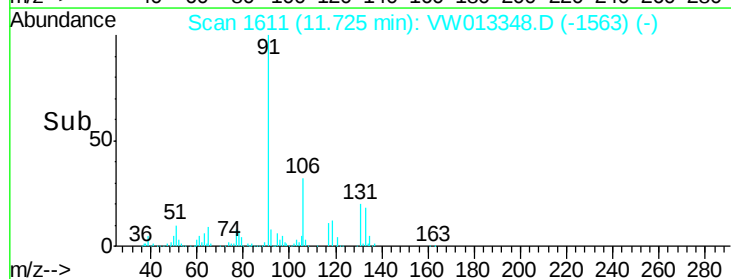
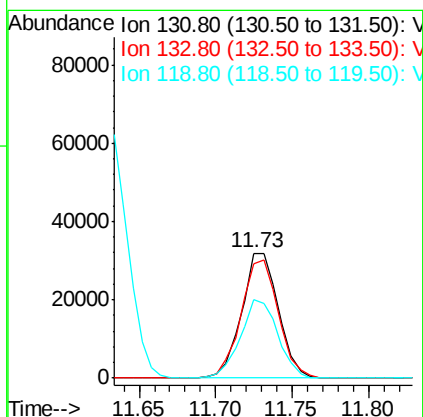
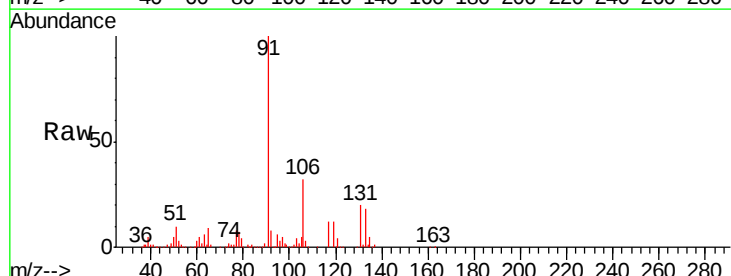
Instrument :
MSVOA_W
ClientSampleId :
VW0930SBS01

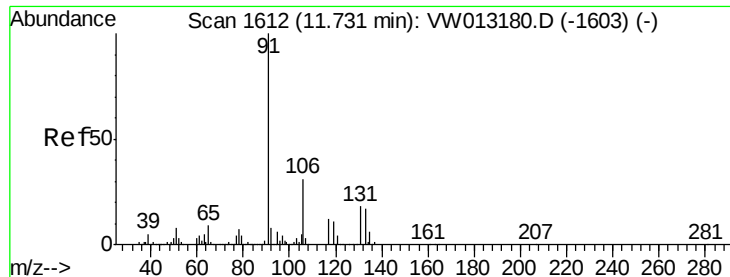
Tgt Ion:112 Resp: 150787
Ion Ratio Lower Upper
112 100
114 31.7 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 22.252 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013348.D
Acq: 30 Sep 2019 23:30

Tgt Ion:131 Resp: 53267
Ion Ratio Lower Upper
131 100
133 95.8 47.5 142.6
119 64.2 32.5 97.5

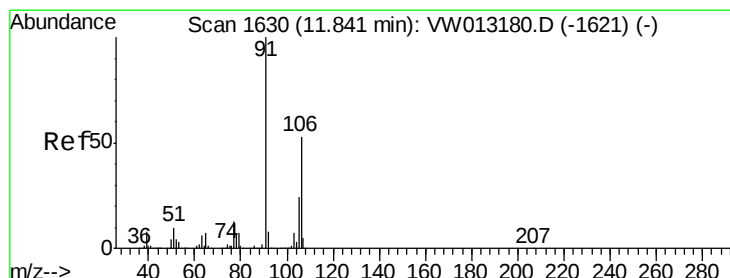
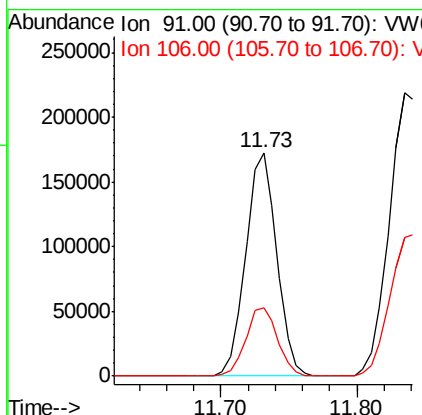
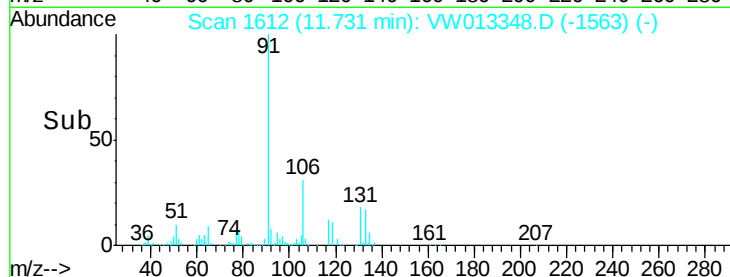
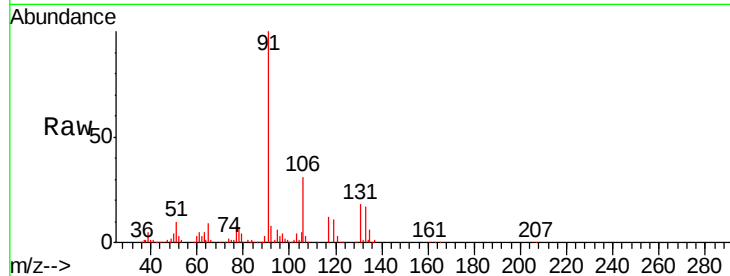




#67
Ethyl Benzene
Concen: 21.732 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013348.D
Acq: 30 Sep 2019 23:30

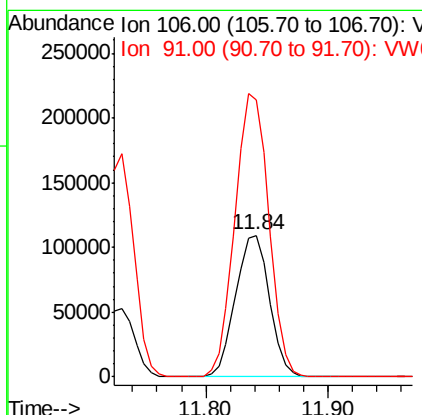
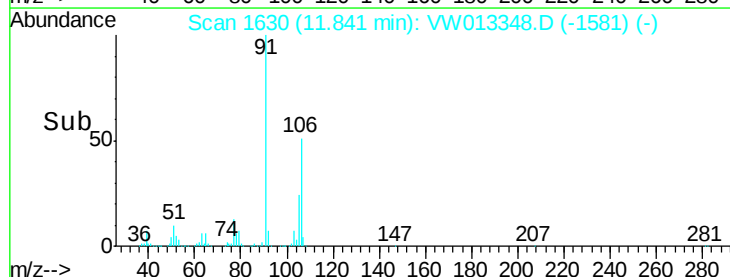
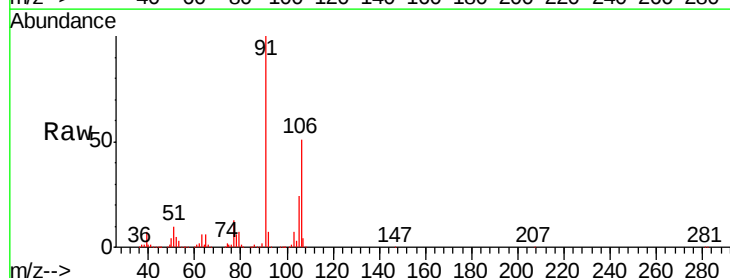
Instrument :
MSVOA_W
ClientSampleId :
VW0930SBS01

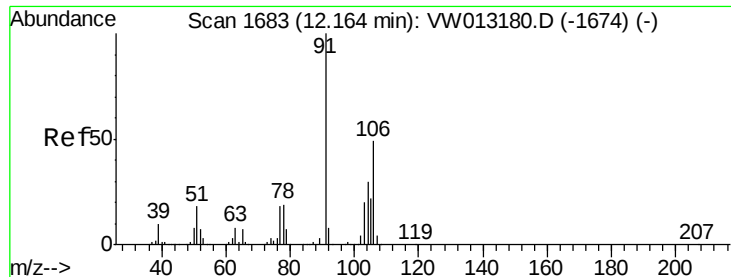
Tgt Ion: 91 Resp: 275905
Ion Ratio Lower Upper
91 100
106 30.8 24.9 37.3



#68
m/p-Xylenes
Concen: 43.646 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013348.D
Acq: 30 Sep 2019 23:30

Tgt Ion: 106 Resp: 211154
Ion Ratio Lower Upper
106 100
91 199.0 157.9 236.9

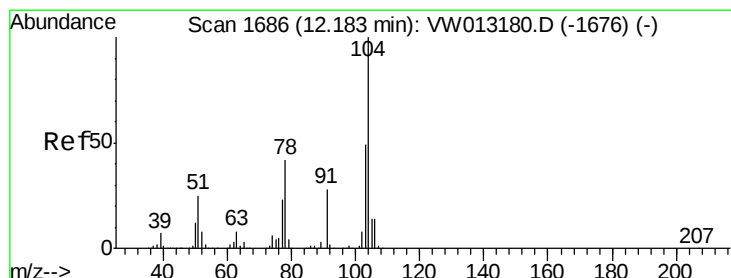
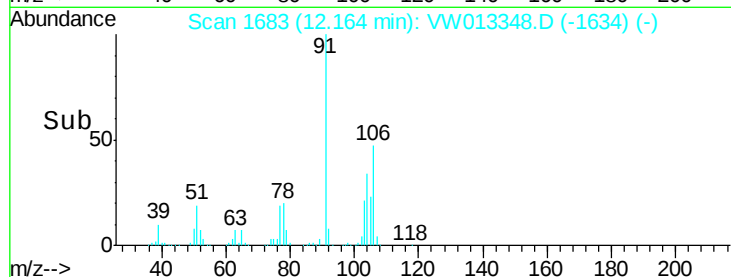
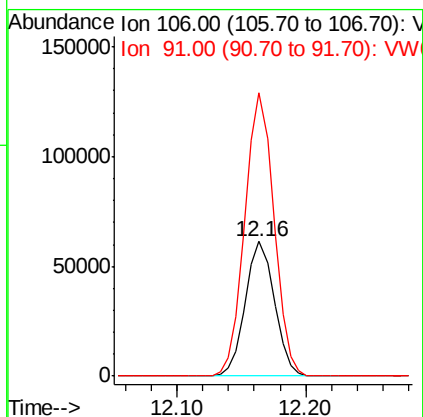
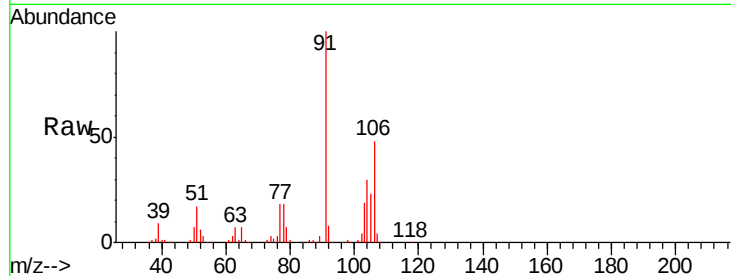




#69
o-Xylene
Concen: 21.352 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013348.D
Acq: 30 Sep 2019 23:30

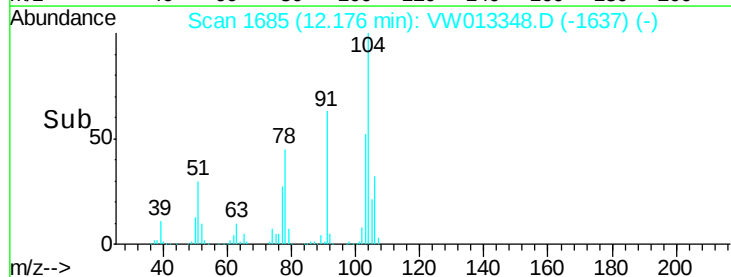
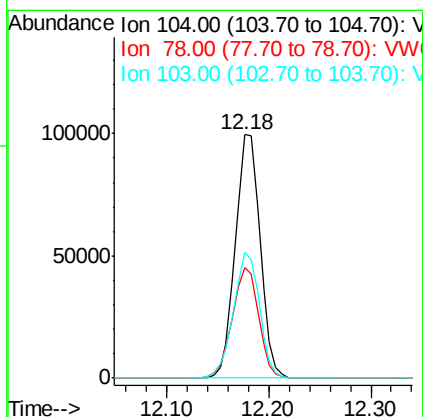
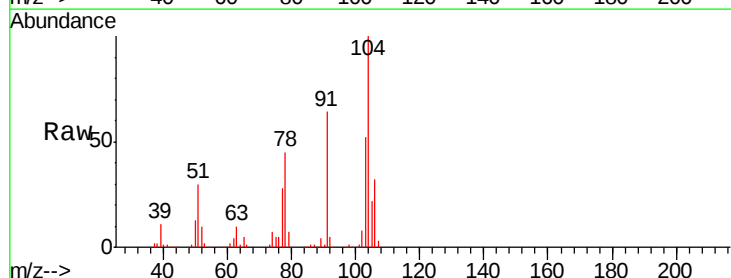
Instrument :
MSVOA_W
ClientSampled :
VW0930SBS01

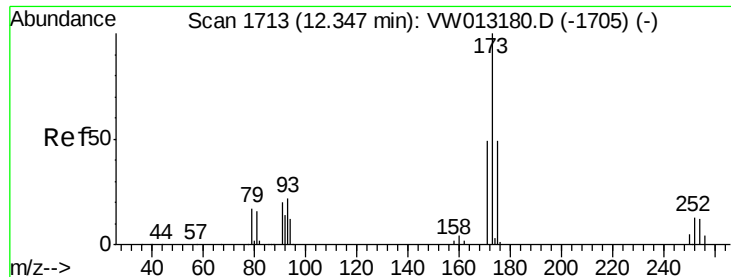
Tgt Ion:106 Resp: 96038
Ion Ratio Lower Upper
106 100
91 209.7 106.5 319.5



#70
Styrene
Concen: 21.628 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW013348.D
Acq: 30 Sep 2019 23:30

Tgt Ion:104 Resp: 167009
Ion Ratio Lower Upper
104 100
78 48.2 38.4 57.6
103 54.2 43.3 64.9





#71

Bromoform

Concen: 24.242 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013348.D

Acq: 30 Sep 2019 23:30

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBS01

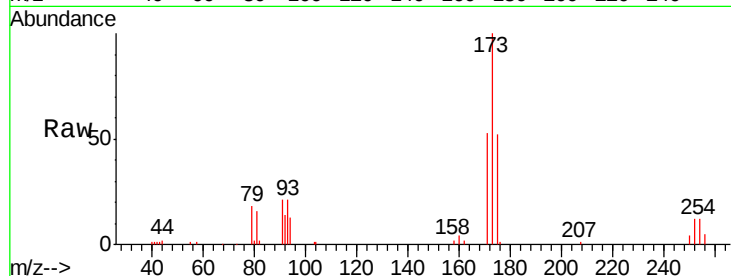
Tgt Ion:173 Resp: 30658

Ion Ratio Lower Upper

173 100

175 49.1 24.3 73.0

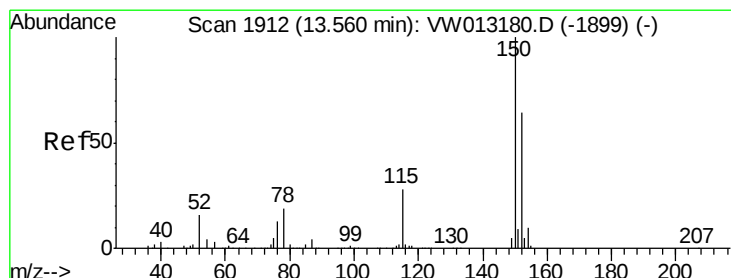
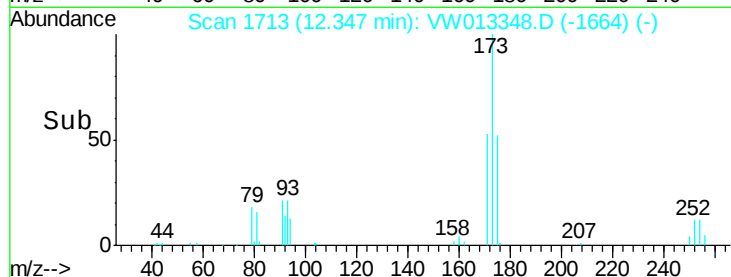
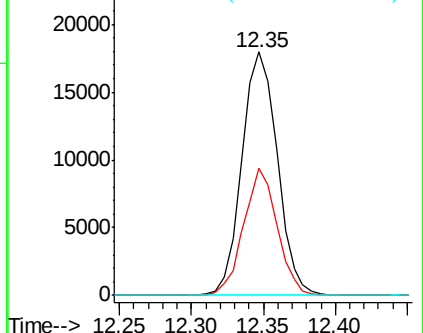
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013348.D

Acq: 30 Sep 2019 23:30

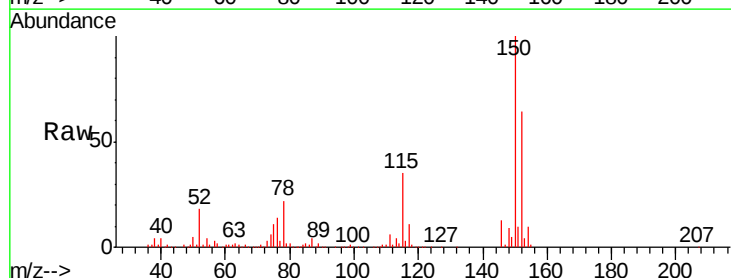
Tgt Ion:152 Resp: 169229

Ion Ratio Lower Upper

152 100

115 55.3 27.3 81.9

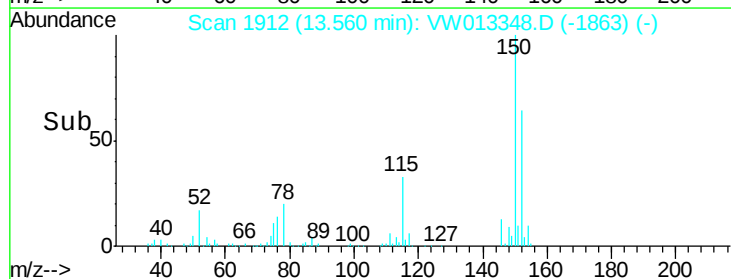
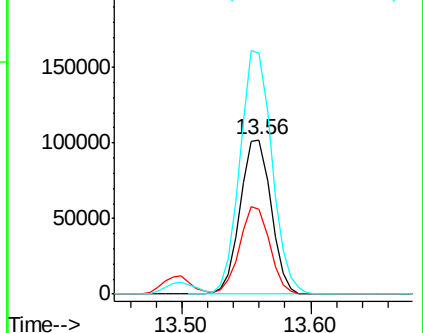
150 163.9 0.0 349.0

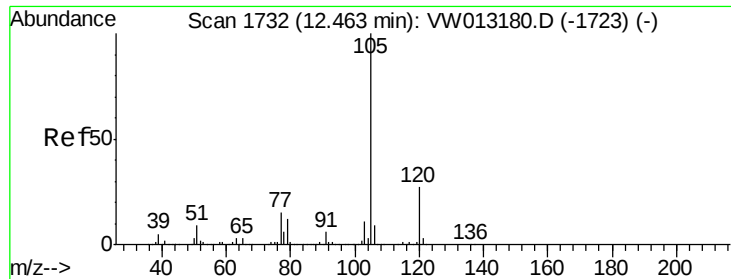


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.258 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013348.D

Acq: 30 Sep 2019 23:30

Instrument :

MSVOA_W

ClientSampleId :

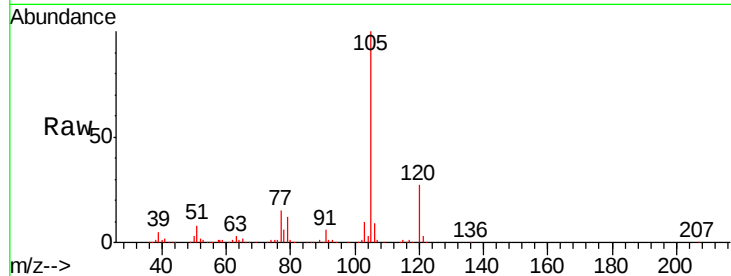
VW0930SBS01

Tgt Ion: 105 Resp: 278255

Ion Ratio Lower Upper

105 100

120 26.7 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

50000

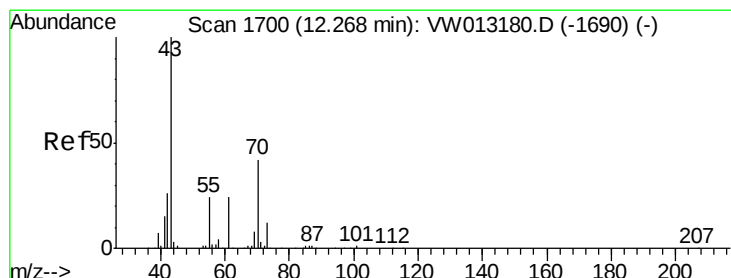
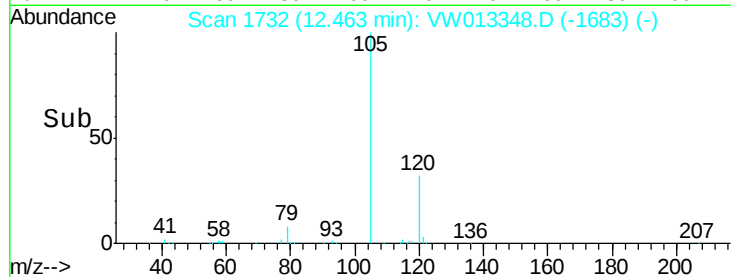
0

12.46

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 24.377 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW013348.D

Acq: 30 Sep 2019 23:30

Tgt Ion: 43 Resp: 67621

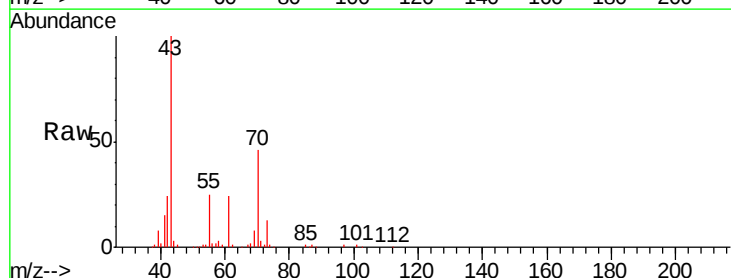
Ion Ratio Lower Upper

43 100

70 45.8 35.1 52.7

55 25.4 19.9 29.9

61 24.4 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

60000

40000

20000

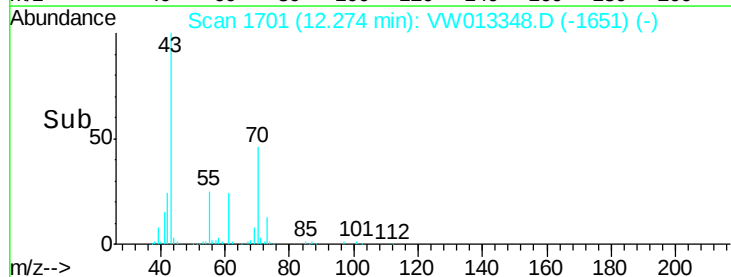
0

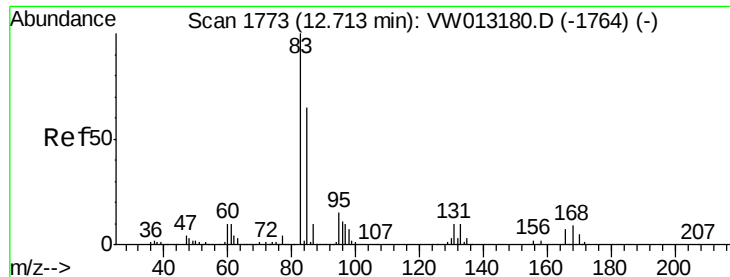
12.27

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 25.351 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013348.D

Acq: 30 Sep 2019 23:30

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBS01

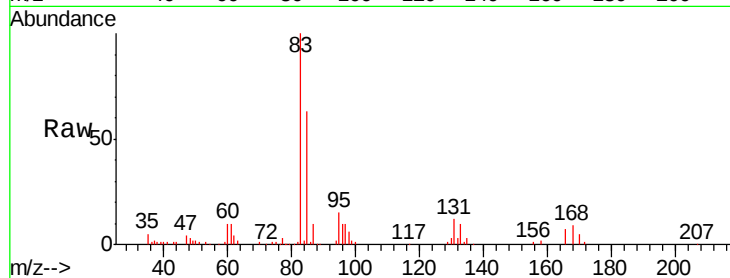
Tgt Ion: 83 Resp: 53001

Ion Ratio Lower Upper

83 100

131 11.1 5.4 16.2

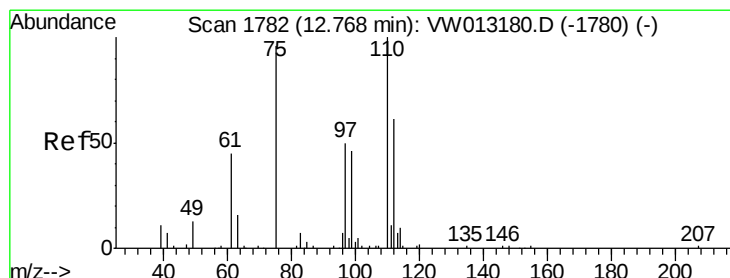
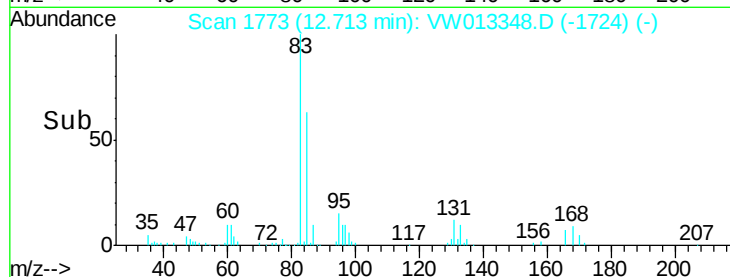
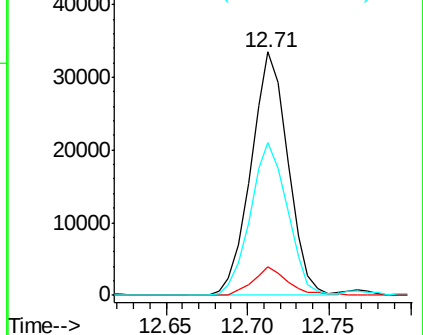
85 63.2 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 45.278 ug/l

RT: 12.76 min Scan# 1781

Delta R.T. -0.01 min

Lab File: VW013348.D

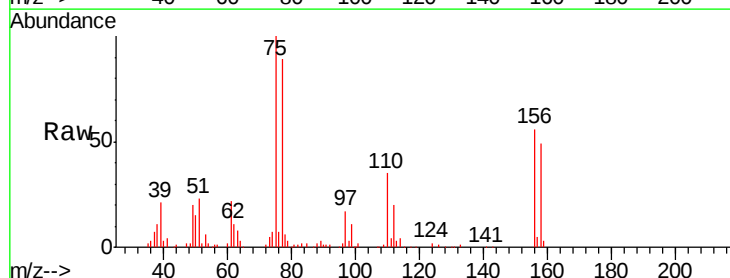
Acq: 30 Sep 2019 23:30

Tgt Ion: 75 Resp: 67669

Ion Ratio Lower Upper

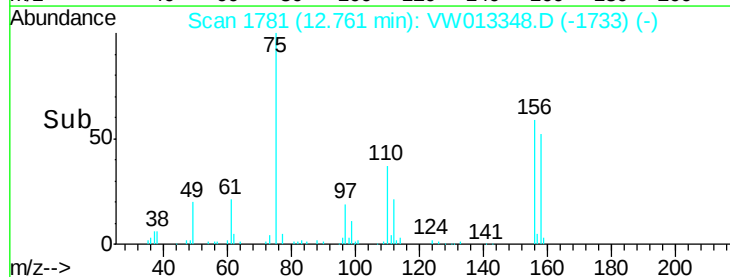
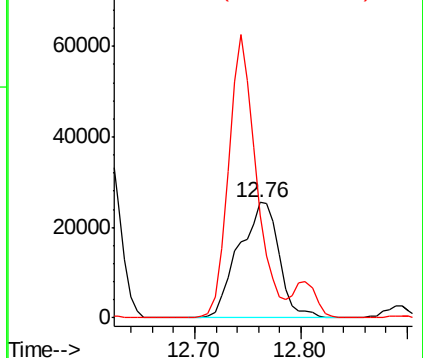
75 100

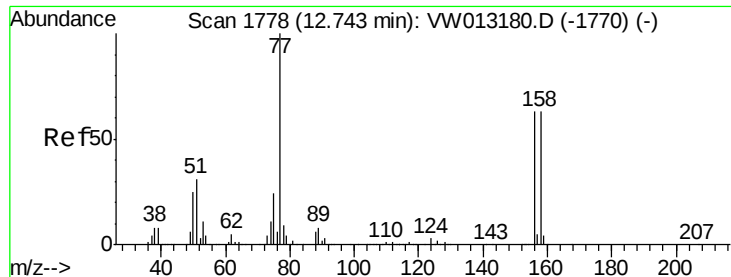
77 168.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

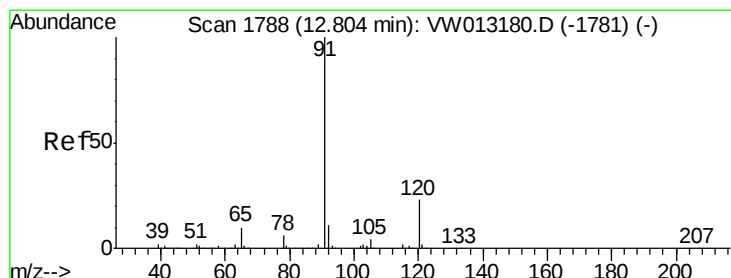
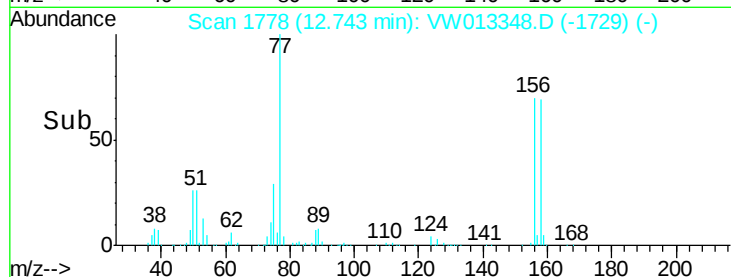
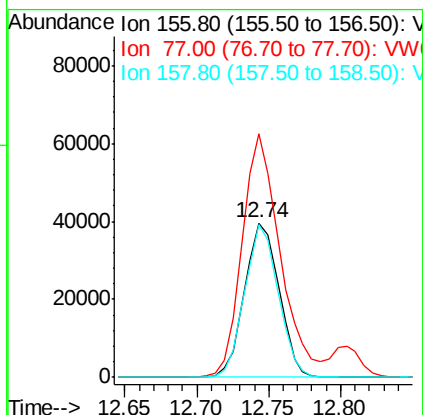
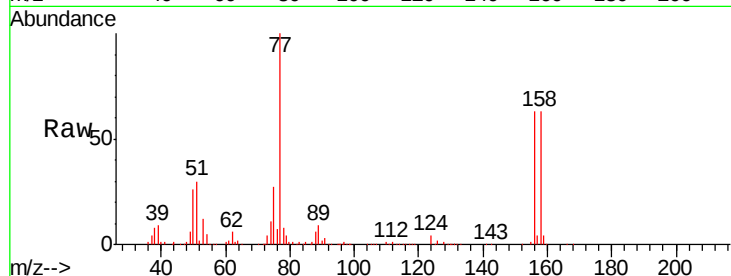




#77
Bromobenzene
Concen: 22.211 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.00 min
Lab File: VW013348.D
Acq: 30 Sep 2019 23:30

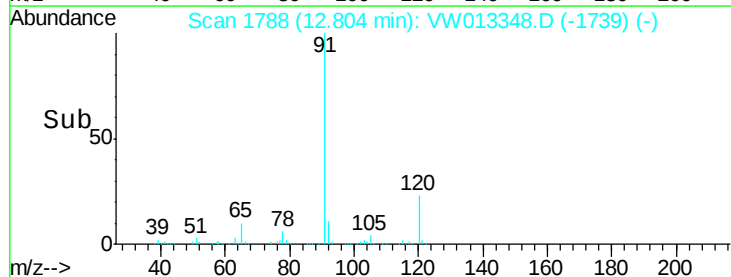
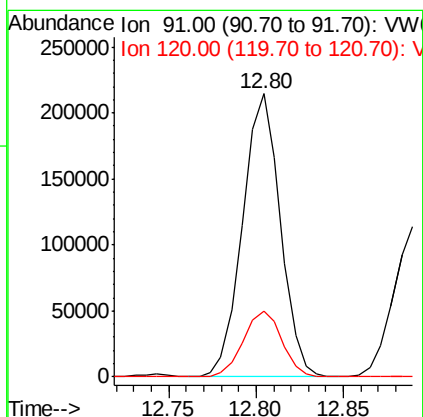
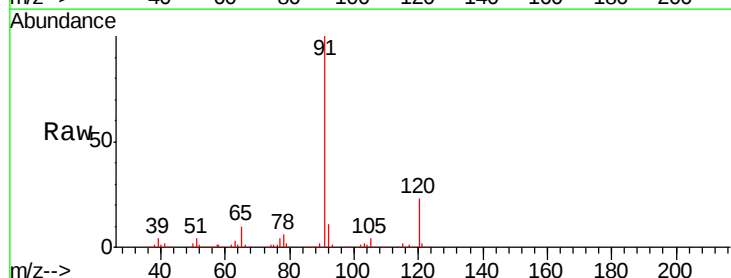
Instrument :
MSVOA_W
ClientSampleId :
VW0930SBS01

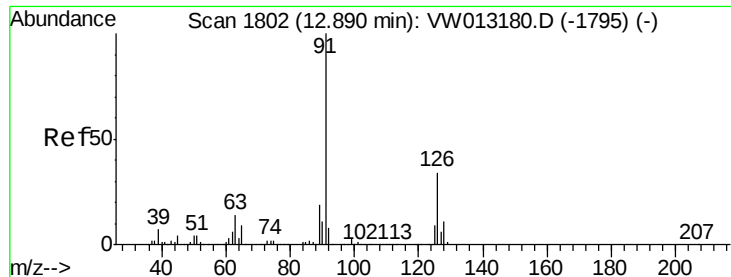
Tgt Ion:156 Resp: 65797
Ion Ratio Lower Upper
156 100
77 173.6 85.7 257.1
158 96.1 48.1 144.4



#78
n-propylbenzene
Concen: 21.939 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW013348.D
Acq: 30 Sep 2019 23:30

Tgt Ion: 91 Resp: 321033
Ion Ratio Lower Upper
91 100
120 23.9 11.7 35.1





#79

2-Chlorotoluene

Concen: 21.926 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013348.D

Acq: 30 Sep 2019 23:30

Instrument :

MSVOA_W

ClientSampleId :

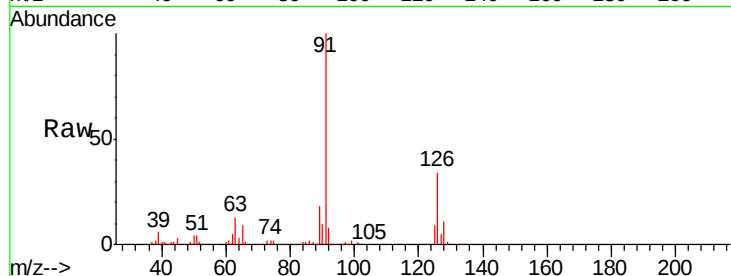
VW0930SBS01

Tgt Ion: 91 Resp: 179751

Ion Ratio Lower Upper

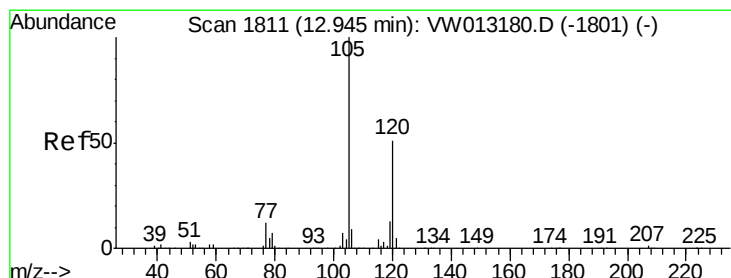
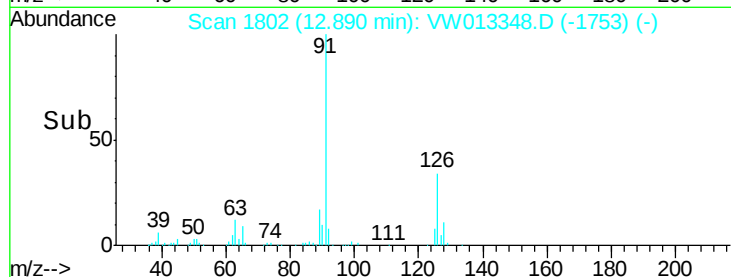
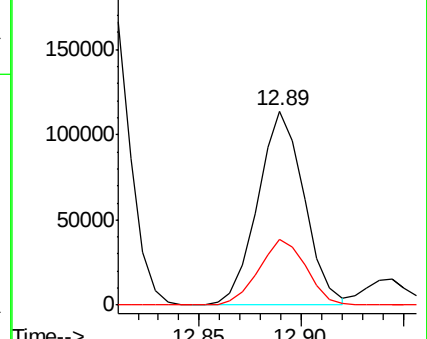
91 100

126 35.0 17.2 51.5



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: 21.846 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013348.D

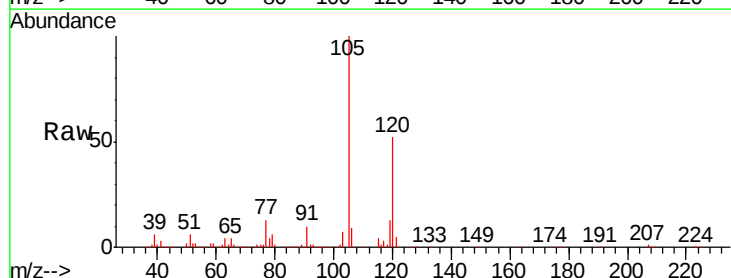
Acq: 30 Sep 2019 23:30

Tgt Ion: 105 Resp: 229566

Ion Ratio Lower Upper

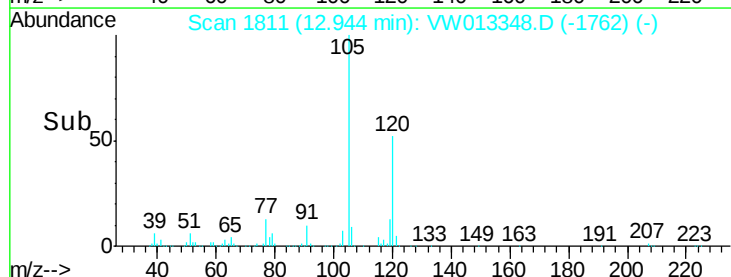
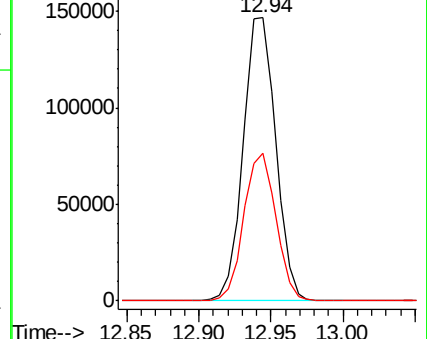
105 100

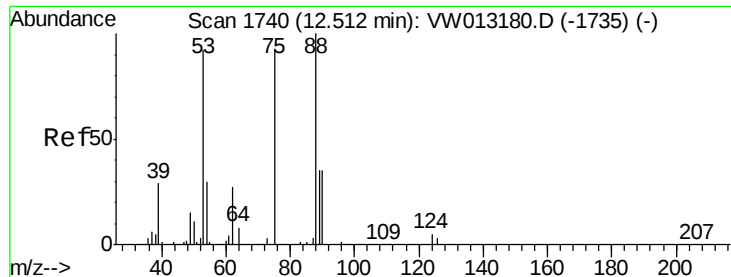
120 51.5 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

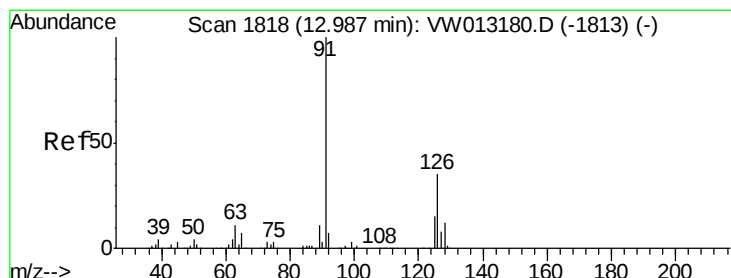
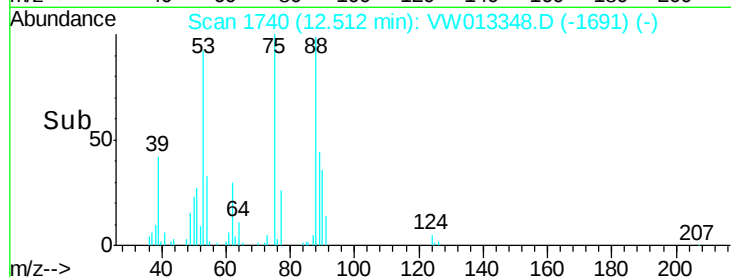
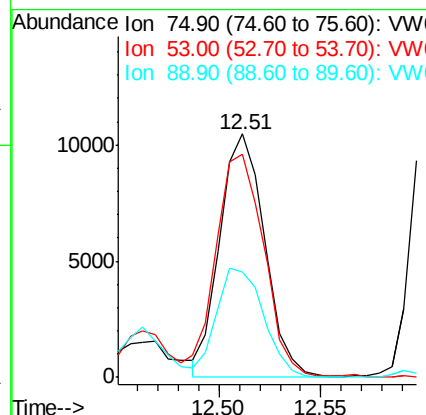
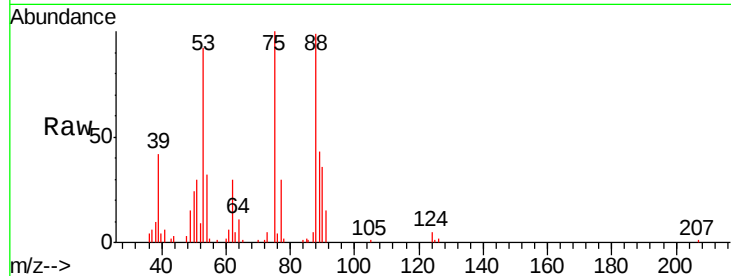




#81
trans-1,4-Dichloro-2-butene
Concen: 24.035 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013348.D
Acq: 30 Sep 2019 23:30

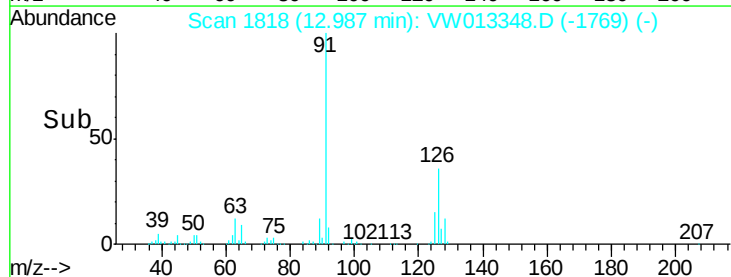
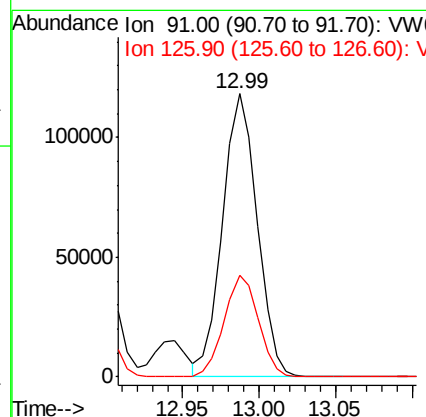
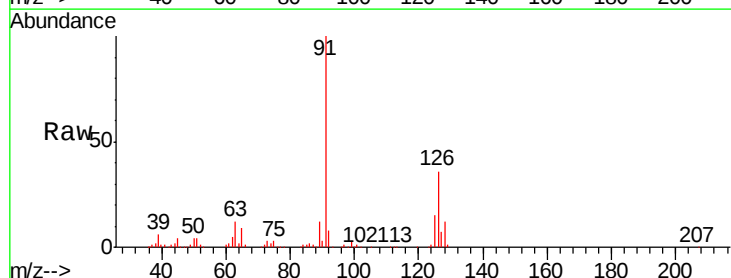
Instrument :
MSVOA_W
ClientSampleId :
VW0930SBS01

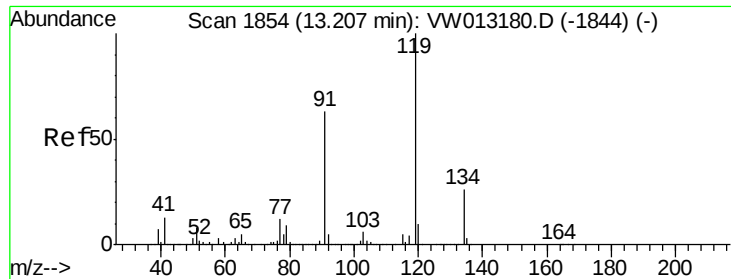
Tgt Ion: 75 Resp: 16008
Ion Ratio Lower Upper
75 100
53 97.5 76.6 114.8
89 46.9 33.5 50.3



#82
4-Chlorotoluene
Concen: 21.490 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013348.D
Acq: 30 Sep 2019 23:30

Tgt Ion: 91 Resp: 185780
Ion Ratio Lower Upper
91 100
126 35.8 17.3 51.7

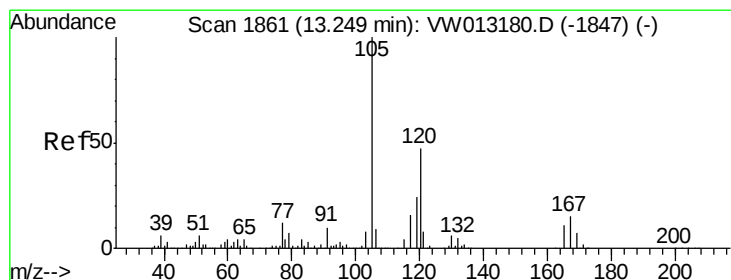
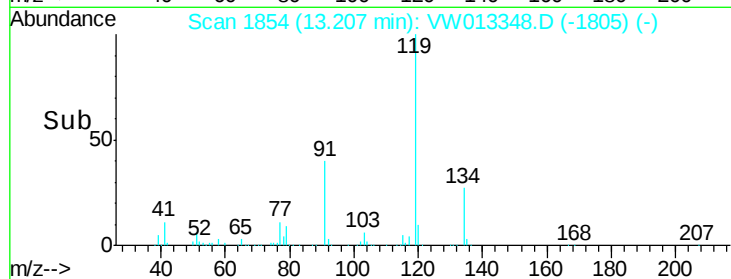
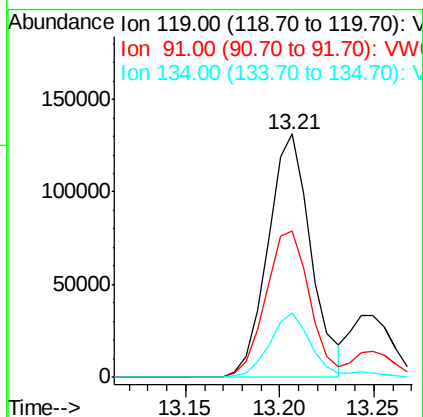
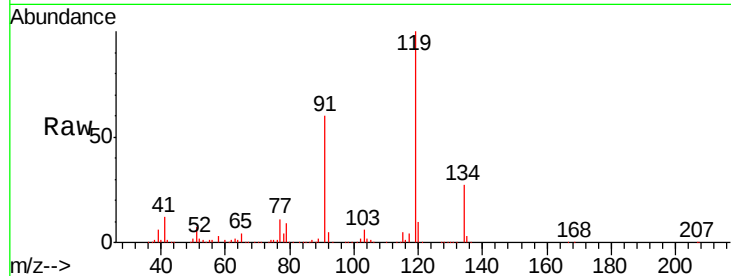




#83
 tert-Butylbenzene
 Concen: 22.461 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013348.D
 Acq: 30 Sep 2019 23:30

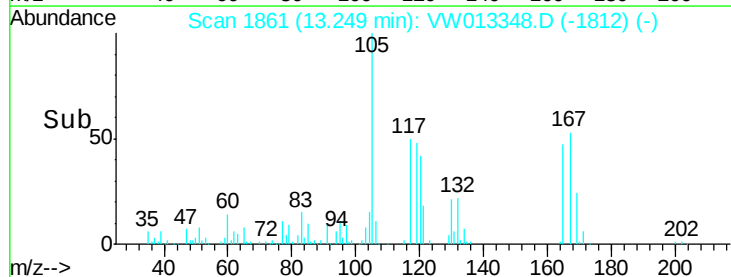
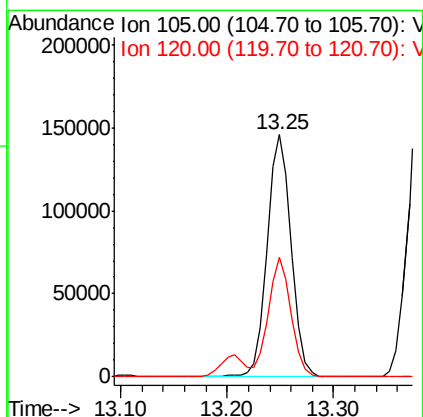
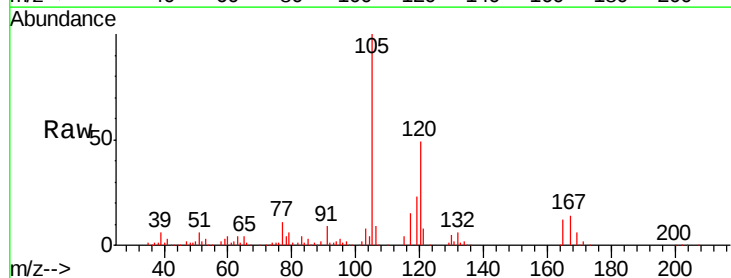
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0930SBS01

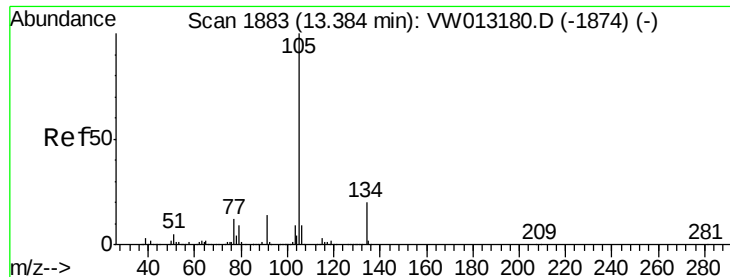
Tgt Ion:119 Resp: 207170
 Ion Ratio Lower Upper
 119 100
 91 61.5 30.7 92.1
 134 27.0 12.6 37.6



#84
 1,2,4-Trimethylbenzene
 Concen: 21.919 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013348.D
 Acq: 30 Sep 2019 23:30

Tgt Ion:105 Resp: 229208
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.4 70.3

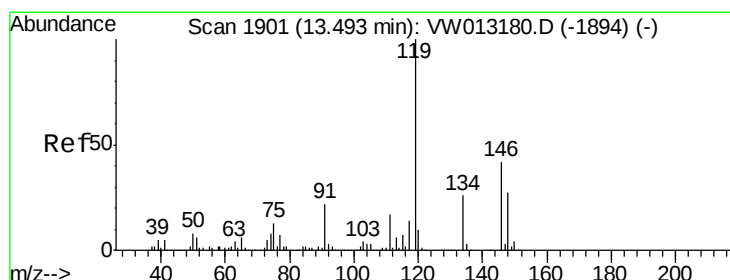
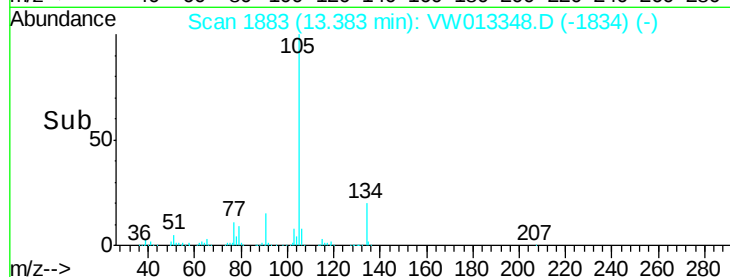
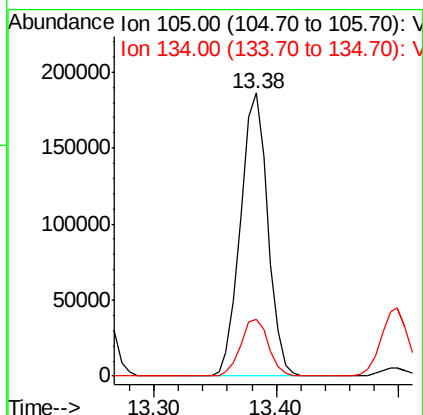
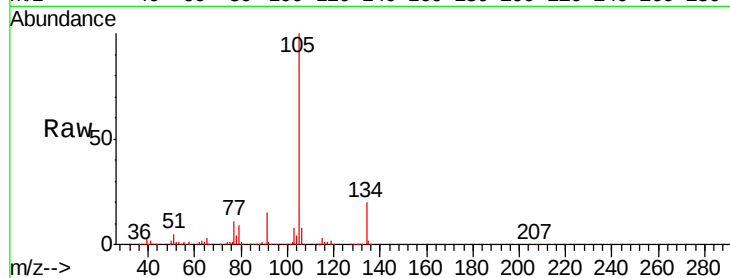




#85
 sec-Butylbenzene
 Concen: 22.648 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013348.D
 Acq: 30 Sep 2019 23:30

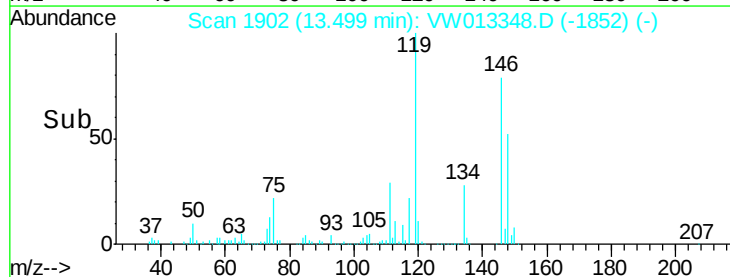
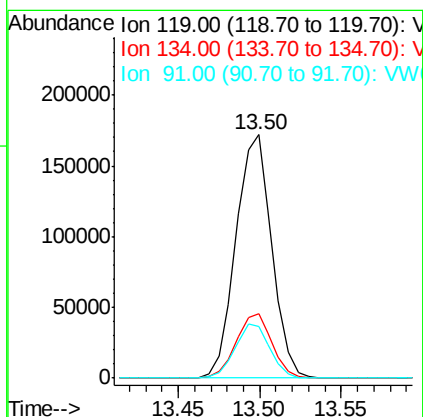
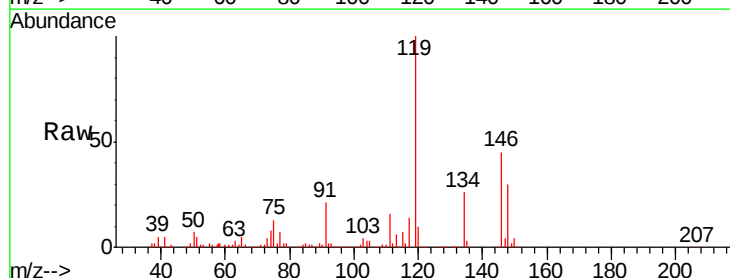
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0930SBS01

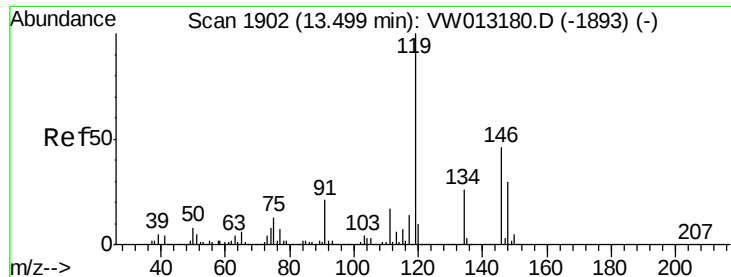
Tgt Ion:105 Resp: 287998
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 22.255 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.01 min
 Lab File: VW013348.D
 Acq: 30 Sep 2019 23:30

Tgt Ion:119 Resp: 262487
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.3 39.8
 91 21.7 10.8 32.4





#87

1,3-Dichlorobenzene

Concen: 21.934 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013348.D

Acq: 30 Sep 2019 23:30

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBS01

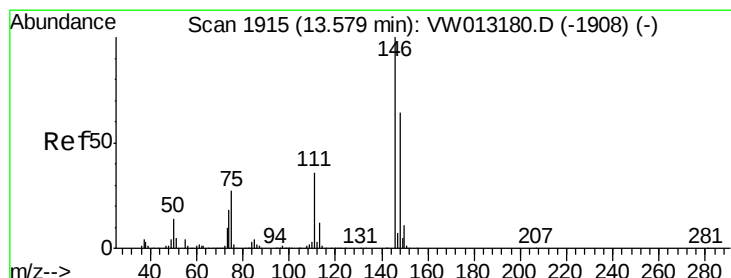
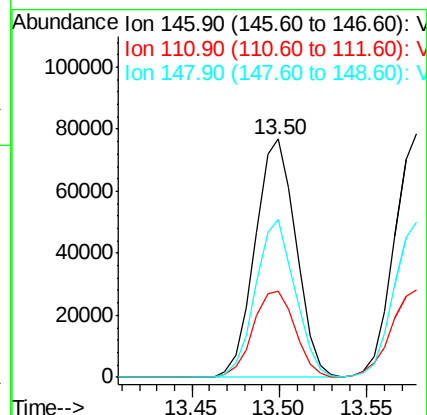
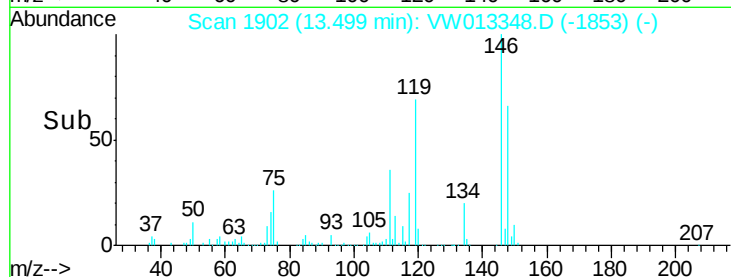
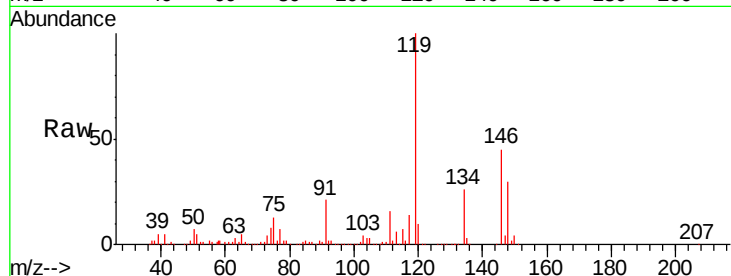
Tgt Ion:146 Resp: 125053

Ion Ratio Lower Upper

146 100

111 37.3 18.9 56.9

148 63.9 31.9 95.5



#88

1,4-Dichlorobenzene

Concen: 22.014 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW013348.D

Acq: 30 Sep 2019 23:30

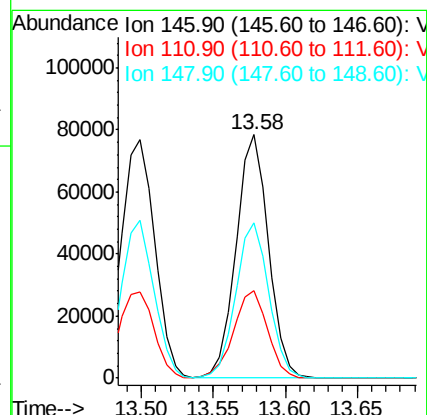
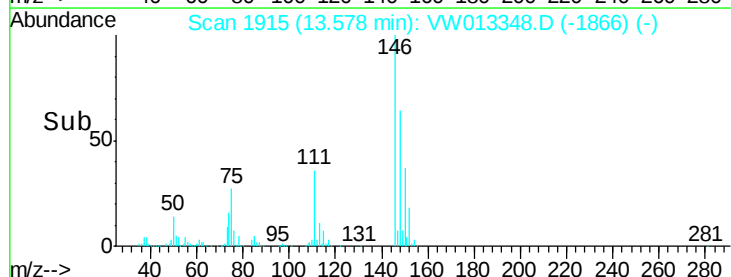
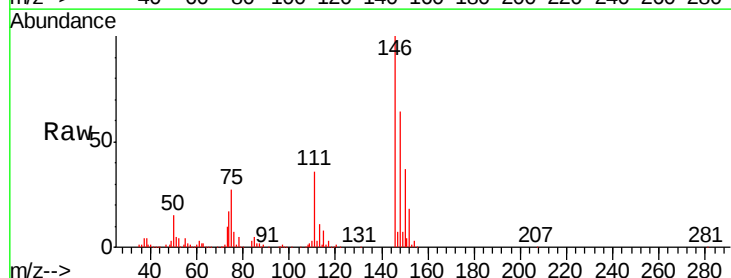
Tgt Ion:146 Resp: 123096

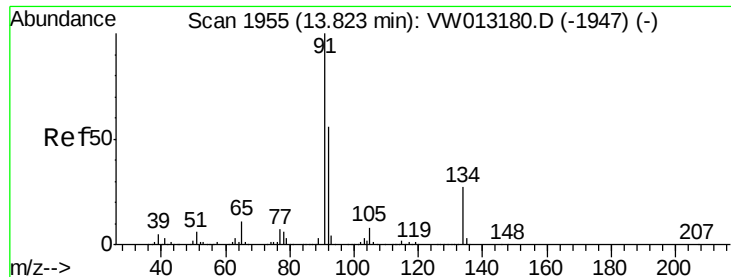
Ion Ratio Lower Upper

146 100

111 37.8 18.4 55.0

148 65.2 32.1 96.3





#89

n-Butylbenzene

Concen: 21.630 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013348.D

Acq: 30 Sep 2019 23:30

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBS01

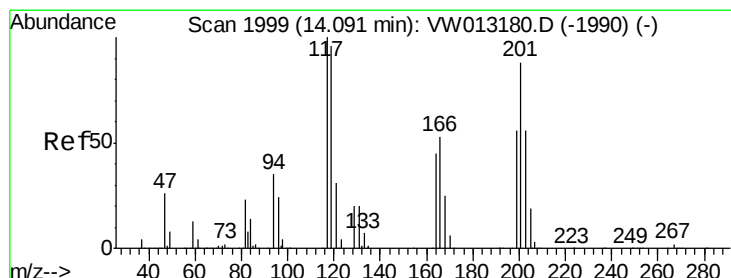
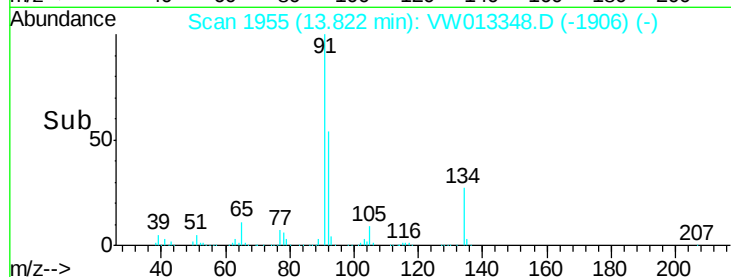
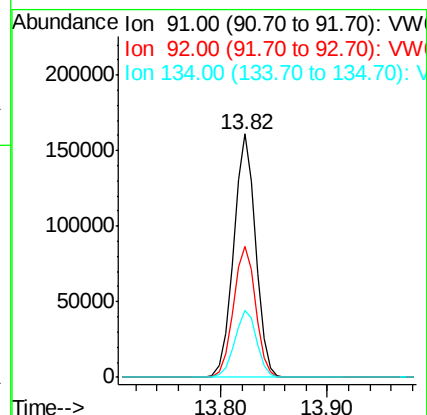
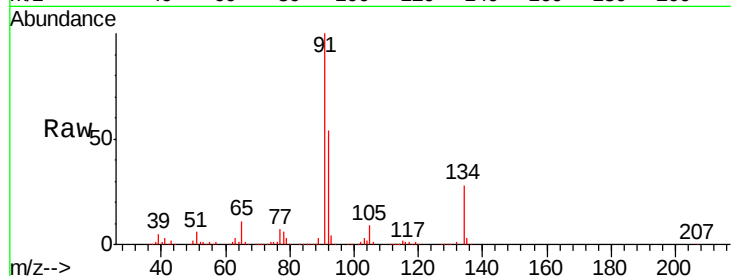
Tgt Ion: 91 Resp: 232948

Ion Ratio Lower Upper

91 100

92 54.4 27.6 82.8

134 27.6 13.7 41.1



#90

Hexachloroethane

Concen: 22.404 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013348.D

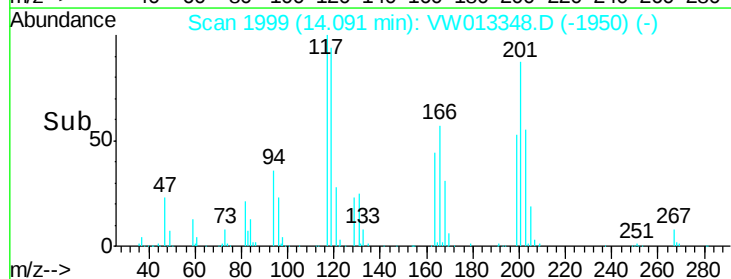
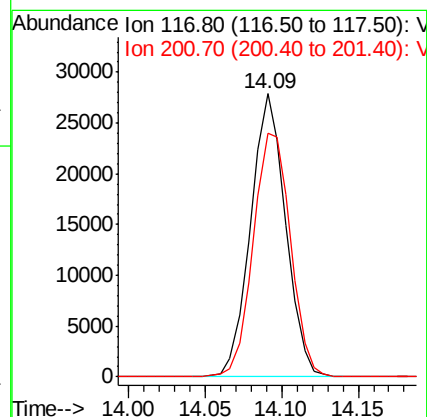
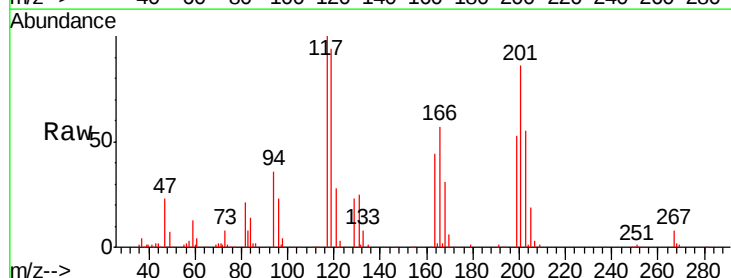
Acq: 30 Sep 2019 23:30

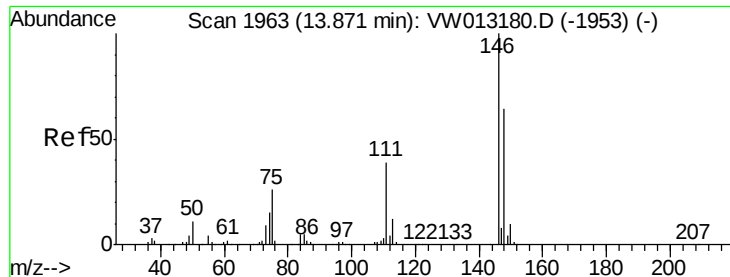
Tgt Ion: 117 Resp: 44390

Ion Ratio Lower Upper

117 100

201 91.7 44.5 133.5





#91

1,2-Dichlorobenzene

Concen: 22.674 ug/l

RT: 13.86 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VW013348.D

Acq: 30 Sep 2019 23:30

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBS01

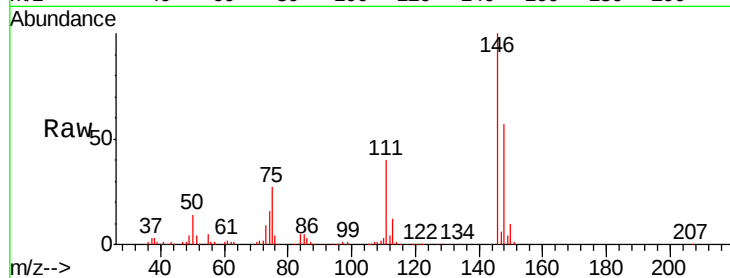
Tgt Ion:146 Resp: 111835

Ion Ratio Lower Upper

146 100

111 39.5 20.1 60.3

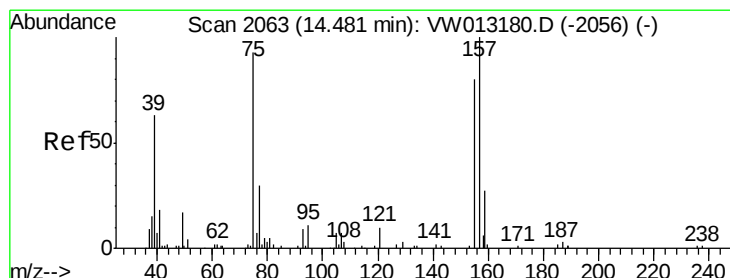
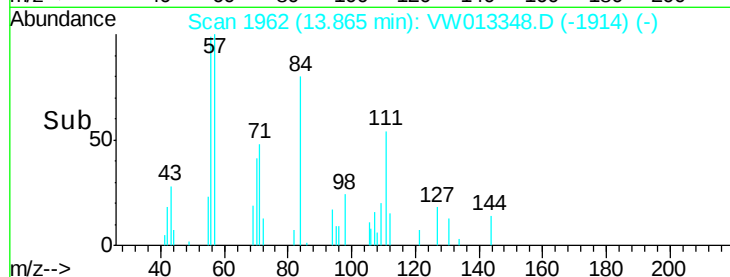
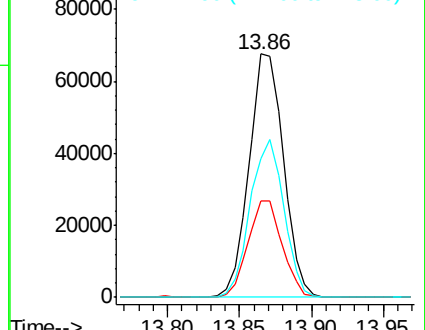
148 63.5 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 27.672 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW013348.D

Acq: 30 Sep 2019 23:30

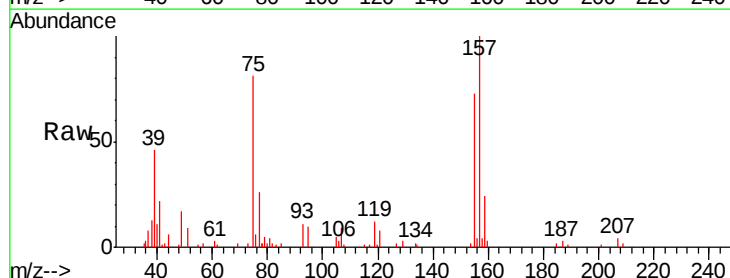
Tgt Ion: 75 Resp: 8849

Ion Ratio Lower Upper

75 100

155 91.5 46.1 138.3

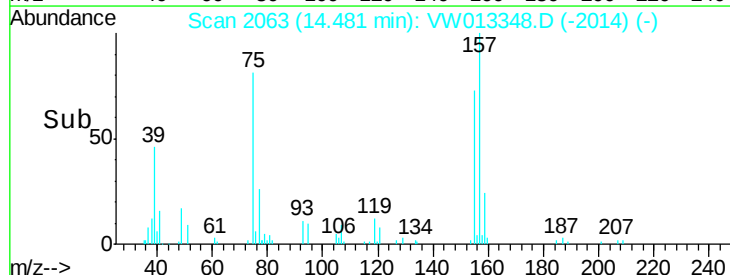
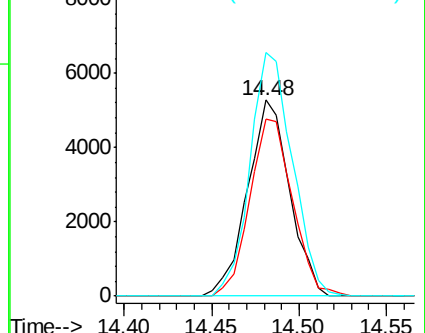
157 124.8 60.4 181.2

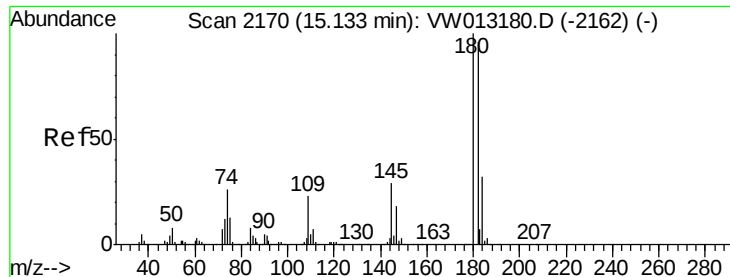


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

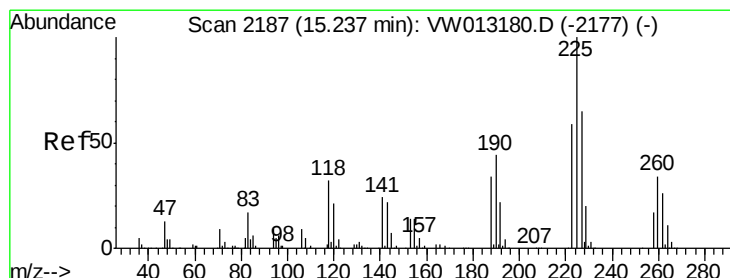
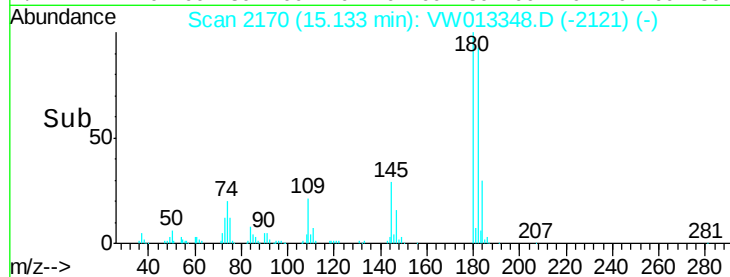
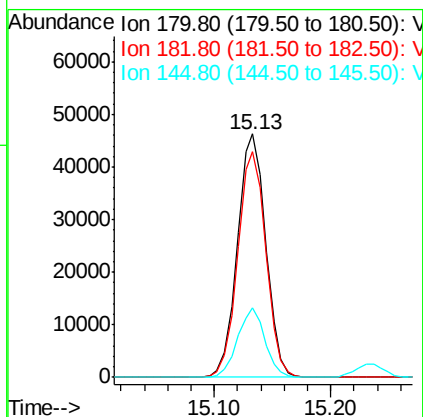
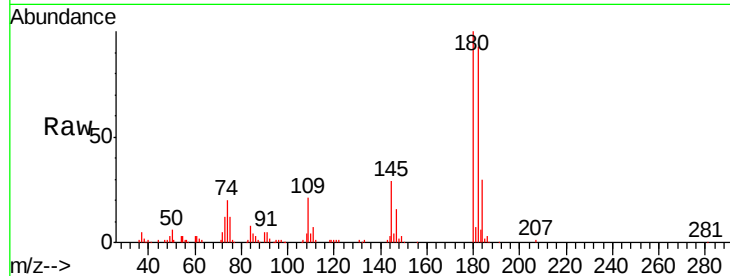




#93
 1,2,4-Trichlorobenzene
 Concen: 22.136 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013348.D
 Acq: 30 Sep 2019 23:30

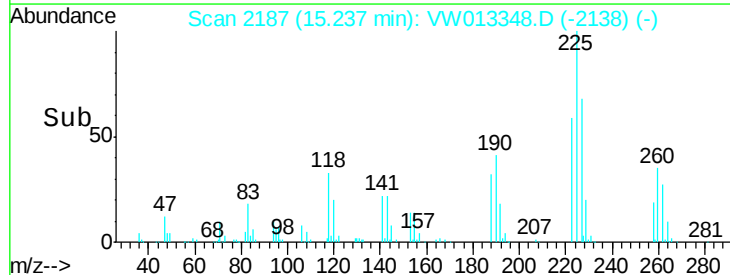
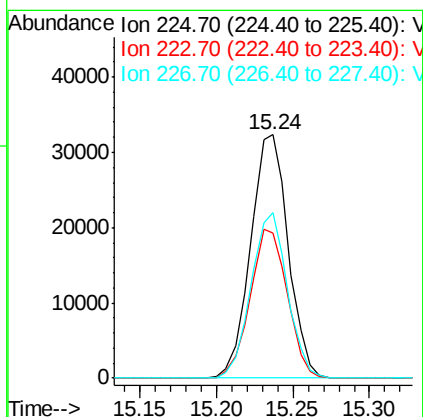
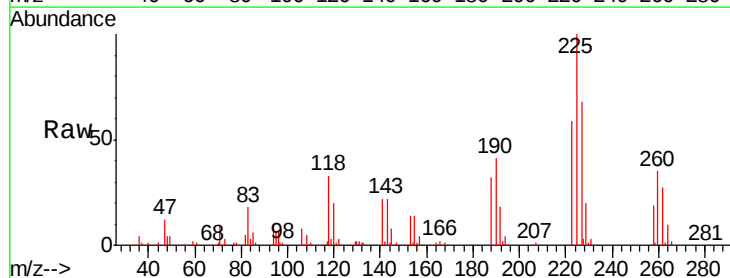
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0930SBS01

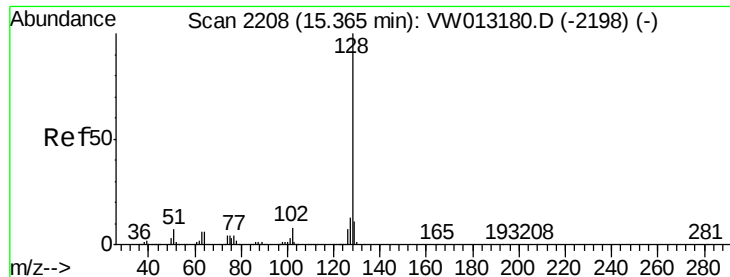
Tgt Ion:180 Resp: 78237
 Ion Ratio Lower Upper
 180 100
 182 92.5 47.3 142.0
 145 27.5 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 22.846 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013348.D
 Acq: 30 Sep 2019 23:30

Tgt Ion:225 Resp: 55242
 Ion Ratio Lower Upper
 225 100
 223 60.6 30.6 91.8
 227 65.8 31.9 95.9

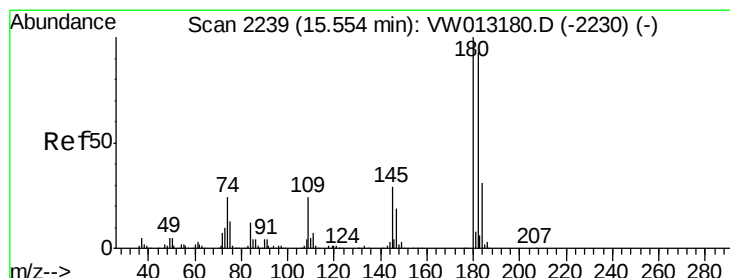
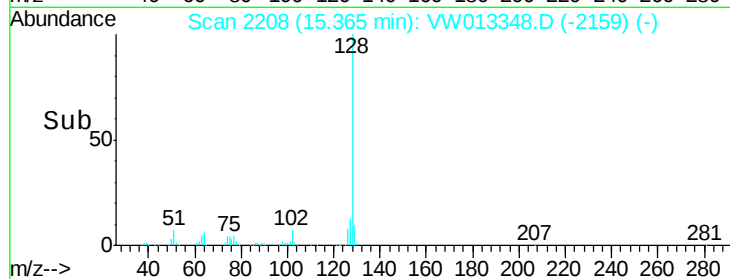
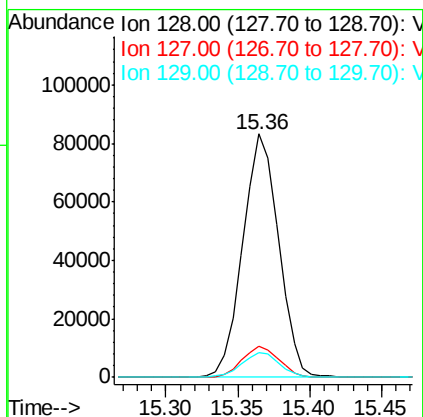
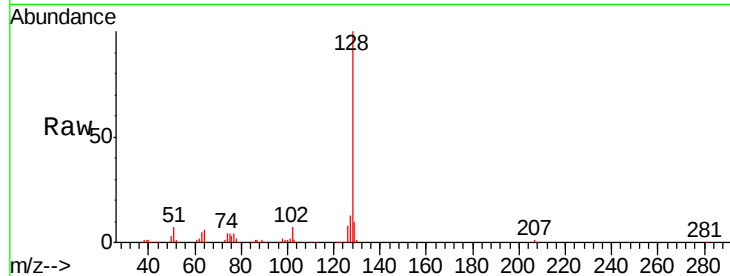




#95
Naphthalene
Concen: 24.838 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013348.D
Acq: 30 Sep 2019 23:30

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBS01

Tgt Ion:128 Resp: 143579
Ion Ratio Lower Upper
128 100
127 12.9 10.6 15.8
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 22.649 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013348.D
Acq: 30 Sep 2019 23:30

Tgt Ion:180 Resp: 69169
Ion Ratio Lower Upper
180 100
182 96.2 47.9 143.7
145 29.9 15.0 45.0

