

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121318\
 Data File : VW007412.D
 Acq On : 12 Dec 2018 00:29
 Operator : SY/AP
 Sample : VW1211SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1213SBS01

Quant Time: Dec 12 05:06:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	82539	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	139600	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	127075	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	63632	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	50513	55.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.32%	
35) Dibromofluoromethane	7.88	113	46544	55.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.16%	
50) Toluene-d8	10.32	98	176737	55.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.56%	
62) 4-Bromofluorobenzene	12.62	95	68418	58.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.46%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	13783	23.896	ug/l	97
3) Chloromethane	2.21	50	10178	21.070	ug/l	96
4) Vinyl Chloride	2.37	62	12123	21.385	ug/l	99
5) Bromomethane	2.78	94	7655	20.098	ug/l	88
6) Chloroethane	2.92	64	6358	20.375	ug/l #	85
7) Trichlorofluoromethane	3.26	101	10024	19.668	ug/l	99
8) Diethyl Ether	3.68	74	8711	21.838	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	17038	20.260	ug/l	98
10) Methyl Iodide	4.26	142	29314	21.047	ug/l	99
11) Tert butyl alcohol	5.17	59	7318	116.363	ug/l #	90
12) 1,1-Dichloroethene	4.03	96	17070	21.082	ug/l	96
13) Acrolein	3.89	56	4523	108.691	ug/l	99
14) Allyl chloride	4.66	41	24588	20.602	ug/l	99
15) Acrylonitrile	5.36	53	17577	104.526	ug/l	99
16) Acetone	4.12	43	16583	103.679	ug/l	100
17) Carbon Disulfide	4.37	76	51955	21.163	ug/l	98
18) Methyl Acetate	4.67	43	9410	21.676	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	25311	20.722	ug/l	94
20) Methylene Chloride	4.91	84	20070	20.646	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	19161	21.155	ug/l	95
22) Diisopropyl ether	6.31	45	49060	21.386	ug/l	99
23) Vinyl Acetate	6.26	43	131693	102.633	ug/l	99
24) 1,1-Dichloroethane	6.21	63	33163	21.389	ug/l	97
25) 2-Butanone	7.18	43	21477	102.854	ug/l	94
26) 2,2-Dichloropropane	7.17	77	20824	20.294	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	20953	21.127	ug/l	96
28) Bromochloromethane	7.51	49	12004	20.583	ug/l	99
29) Tetrahydrofuran	7.53	42	13356	101.036	ug/l	96
30) Chloroform	7.67	83	35067	20.783	ug/l	99
31) Cyclohexane	7.95	56	28816	20.257	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	30802	20.817	ug/l	98
36) 1,1-Dichloropropene	8.08	75	26854	21.087	ug/l	98
37) Ethyl Acetate	7.26	43	10191	21.516	ug/l	97
38) Carbon Tetrachloride	8.07	117	29550	21.326	ug/l	97

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	32645	21.170	ug/l	91
40) Benzene	8.32	78	76083	21.528	ug/l	97
41) Methacrylonitrile	7.48	41	6357	23.569	ug/l	89
42) 1,2-Dichloroethane	8.40	62	23785	21.425	ug/l	99
43) Isopropyl Acetate	8.43	43	19329	20.659	ug/l	97
44) Trichloroethene	9.09	130	21597	21.400	ug/l	96
45) 1,2-Dichloropropane	9.37	63	18045	22.064	ug/l	97
46) Dibromomethane	9.46	93	10279	22.132	ug/l	96
47) Bromodichloromethane	9.65	83	26035	21.371	ug/l	93
48) Methyl methacrylate	9.43	41	9697	20.181	ug/l	96
49) 1,4-Dioxane	9.45	88	3511	465.907	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	46336	104.815	ug/l	98
52) Toluene	10.39	92	50558	22.106	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	25642	21.681	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	29277	21.414	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	14256	22.553	ug/l	94
56) Ethyl methacrylate	10.65	69	16483	21.695	ug/l	98
57) 1,3-Dichloropropane	10.93	76	23828	22.967	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	34758	99.206	ug/l	99
59) 2-Hexanone	10.97	43	31988	108.516	ug/l	100
60) Dibromochloromethane	11.13	129	17614	22.081	ug/l	95
61) 1,2-Dibromoethane	11.24	107	14185	22.708	ug/l	93
64) Tetrachloroethene	10.87	164	18958	20.746	ug/l	91
65) Chlorobenzene	11.66	112	56905	21.485	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.73	131	20104	21.551	ug/l	98
67) Ethyl Benzene	11.73	91	100334	22.033	ug/l	94
68) m/p-Xylenes	11.84	106	76514	43.221	ug/l	100
69) o-Xylene	12.17	106	35617	21.542	ug/l	96
70) Styrene	12.18	104	60748	22.748	ug/l	98
71) Bromoform	12.35	173	9609	20.125	ug/l #	100
73) Isopropylbenzene	12.47	105	99441	20.395	ug/l	98
74) N-amyl acetate	12.27	43	18110	20.437	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	14784	20.472	ug/l	91
76) 1,2,3-Trichloropropane	12.77	75	21014	40.052	ug/l	35
77) Bromobenzene	12.75	156	22854	21.146	ug/l	97
78) n-propylbenzene	12.80	91	118236	21.548	ug/l	100
79) 2-Chlorotoluene	12.90	91	68165	20.531	ug/l	96
80) 1,3,5-Trimethylbenzene	12.95	105	86039	21.001	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	4472	18.829	ug/l	96
82) 4-Chlorotoluene	12.99	91	73672	21.050	ug/l	96
83) tert-Butylbenzene	13.21	119	74908	20.751	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	89606	21.255	ug/l	98
85) sec-Butylbenzene	13.39	105	104983	21.304	ug/l	95
86) p-Isopropyltoluene	13.51	119	94678	21.386	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	45310	21.027	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	46273	21.360	ug/l	98
89) n-Butylbenzene	13.83	91	87427	21.302	ug/l	98
90) Hexachloroethane	14.10	117	16492	20.937	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	41809	21.663	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2890	19.942	ug/l	95

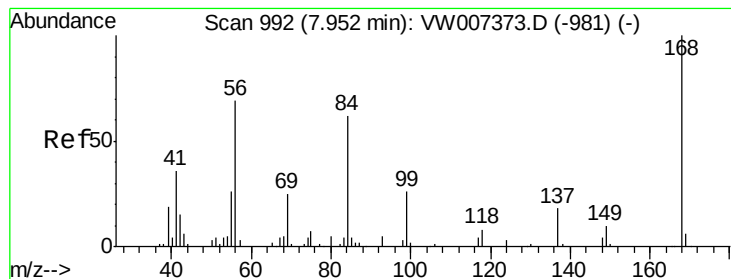
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW121318\
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Quant Title : SW846 8260
QLast Update : Tue Dec 11 02:58:16 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	28505	21.461	ug/l	96
94) Hexachlorobutadiene	15.24	225	14607	20.727	ug/l	98
95) Naphthalene	15.37	128	52335	20.597	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	24192	20.968	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

Instrument :

MSVOA_W

ClientSampleId :

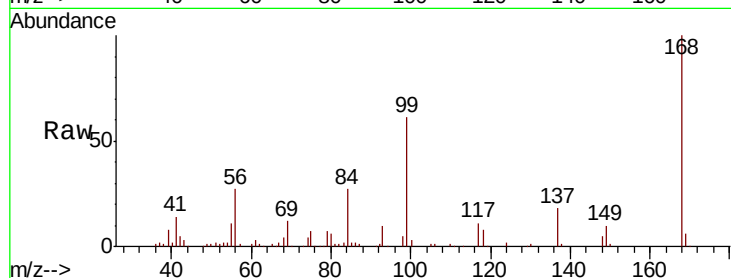
VW1213SBS01

Tgt Ion:168 Resp: 82539

Ion Ratio Lower Upper

168 100

99 61.5 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

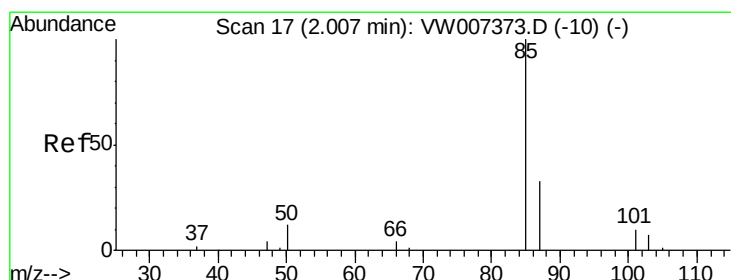
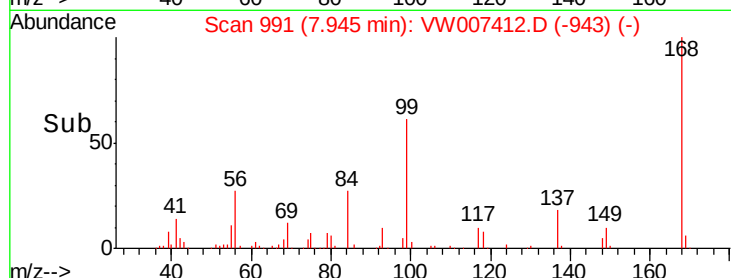
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 23.896 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW007412.D

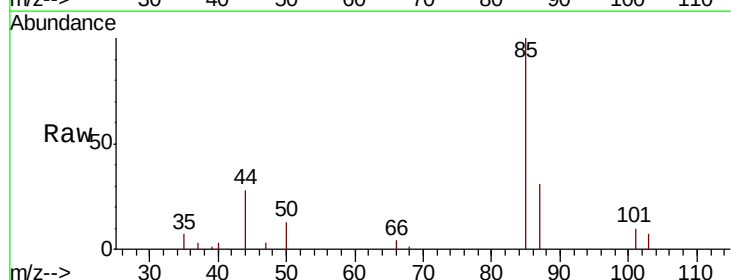
Acq: 12 Dec 2018 00:29

Tgt Ion: 85 Resp: 13783

Ion Ratio Lower Upper

85 100

87 31.5 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

5000

4000

3000

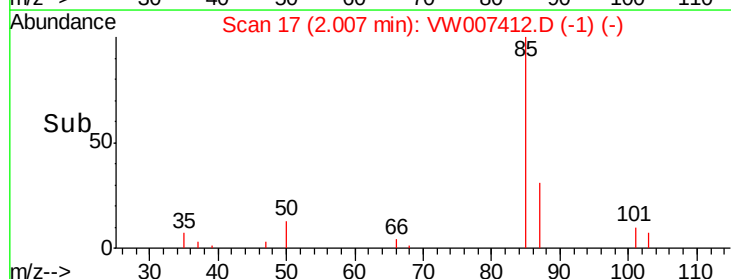
2000

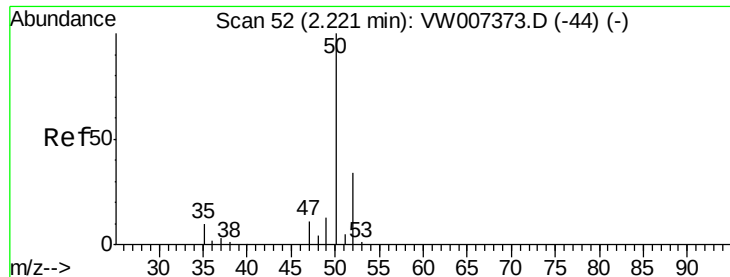
1000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 21.070 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

Instrument :

MSVOA_W

ClientSampleId :

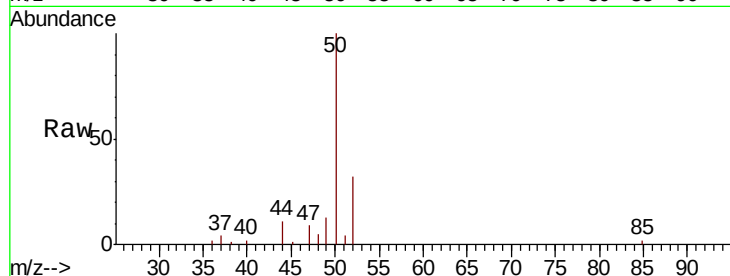
VW1213SBS01

Tgt Ion: 50 Resp: 10178

Ion Ratio Lower Upper

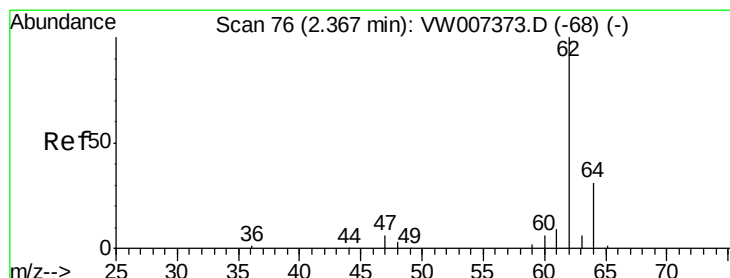
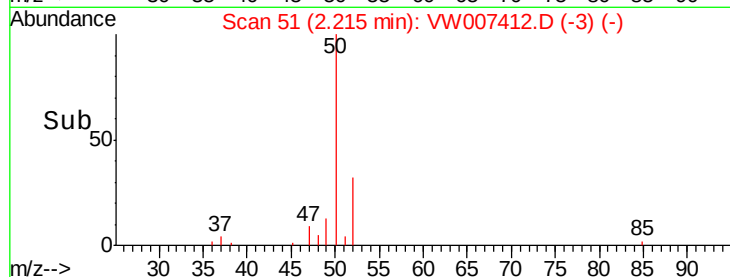
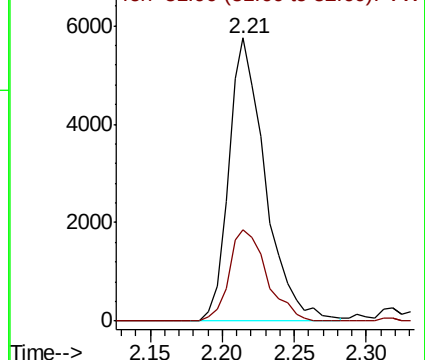
50 100

52 32.2 27.4 41.0



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 21.385 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007412.D

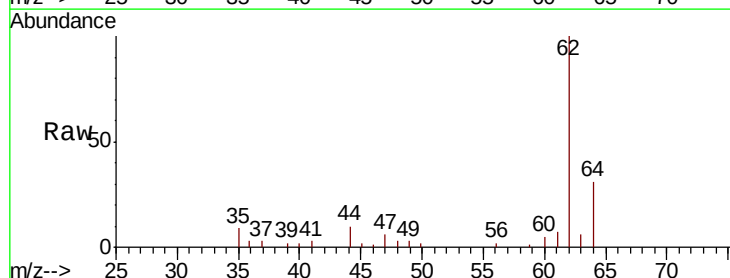
Acq: 12 Dec 2018 00:29

Tgt Ion: 62 Resp: 12123

Ion Ratio Lower Upper

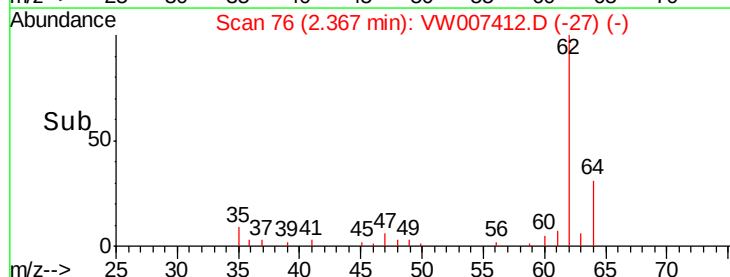
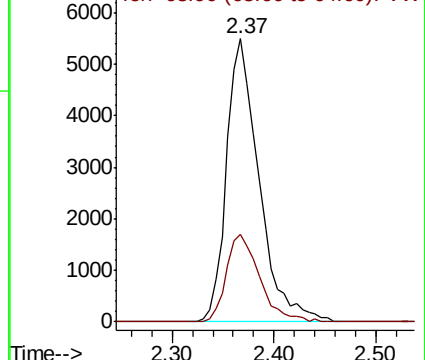
62 100

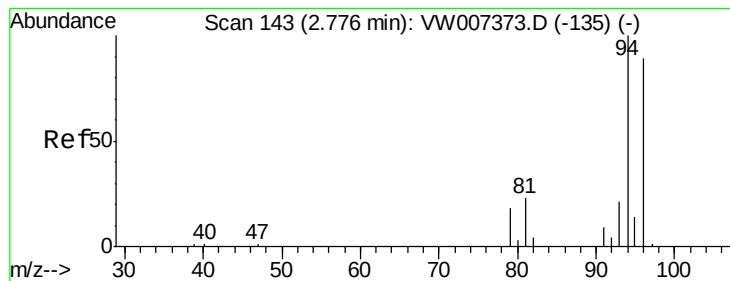
64 31.1 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 20.098 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

Instrument :

MSVOA_W

ClientSampleId :

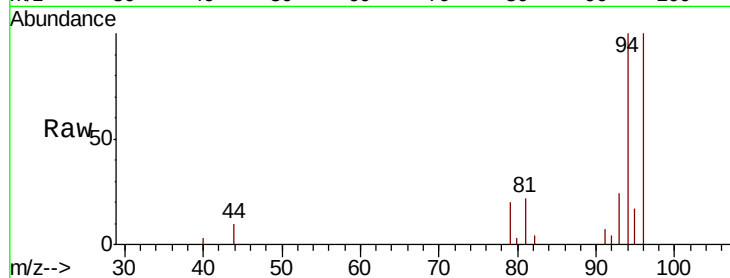
VW1213SBS01

Tgt Ion: 94 Resp: 7655

Ion Ratio Lower Upper

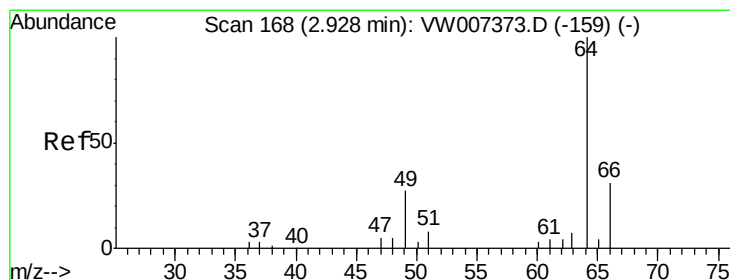
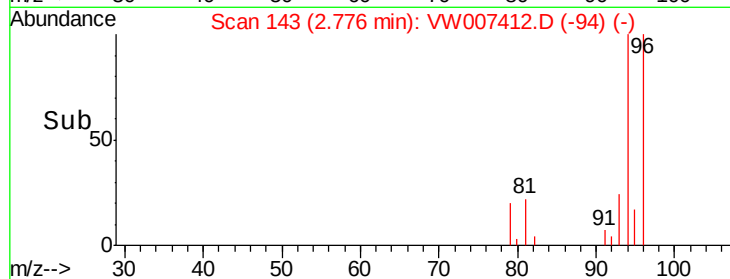
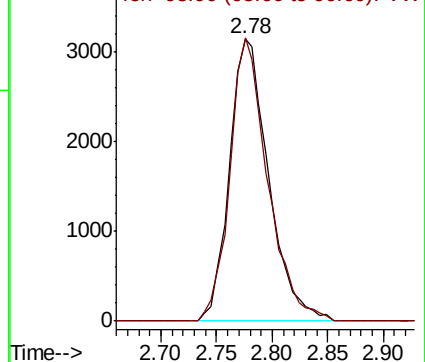
94 100

96 100.1 71.0 106.4



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 20.375 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW007412.D

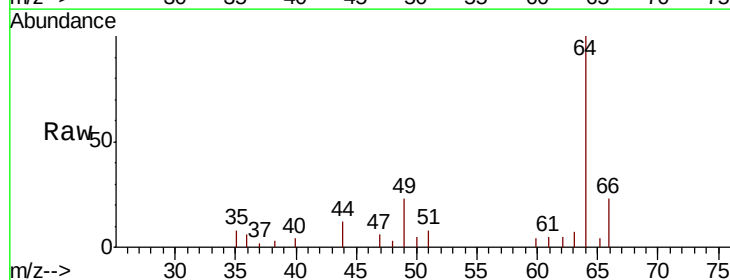
Acq: 12 Dec 2018 00:29

Tgt Ion: 64 Resp: 6358

Ion Ratio Lower Upper

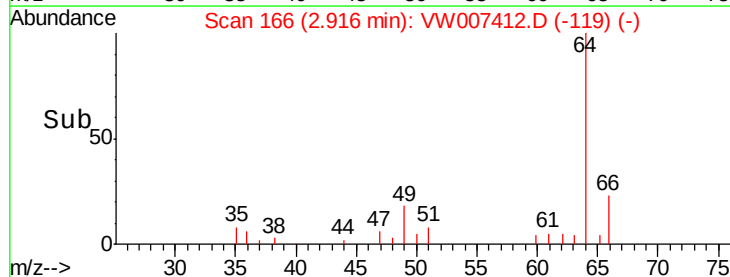
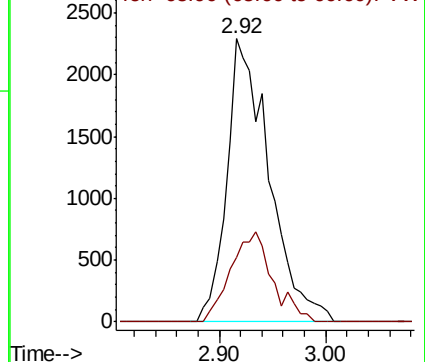
64 100

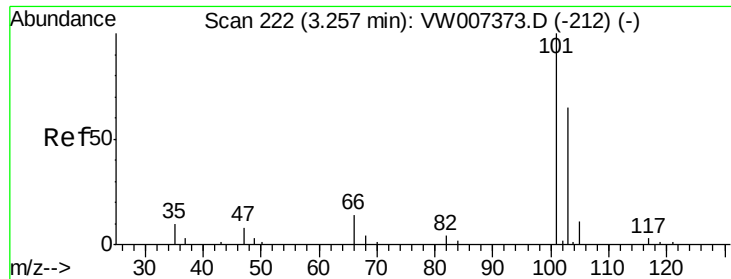
66 22.8 24.6 37.0#



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



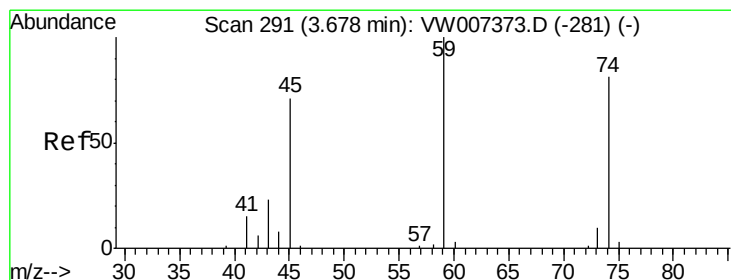
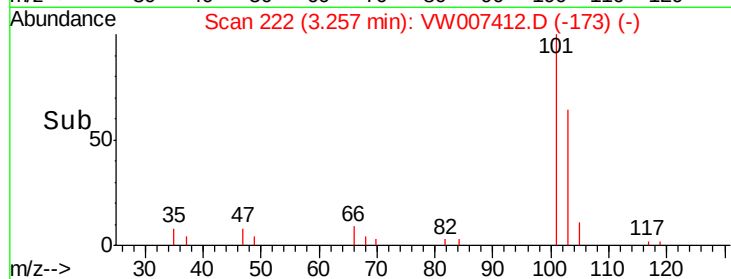
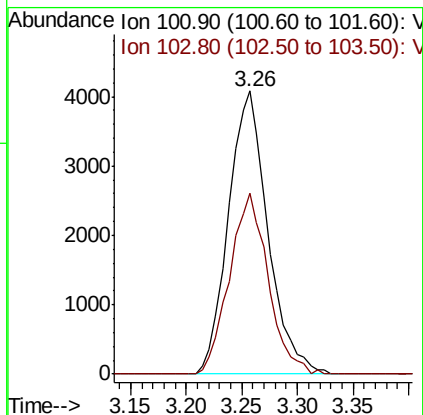
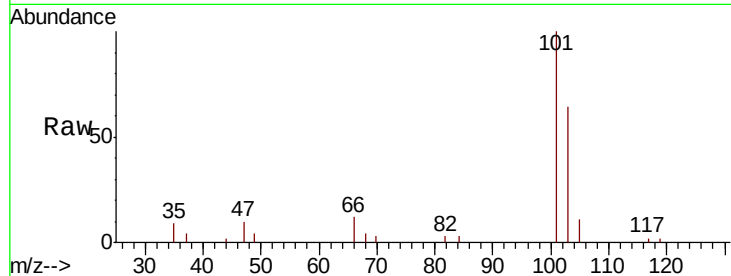


#7

Trichlorofluoromethane
 Concen: 19.668 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1213SBS01

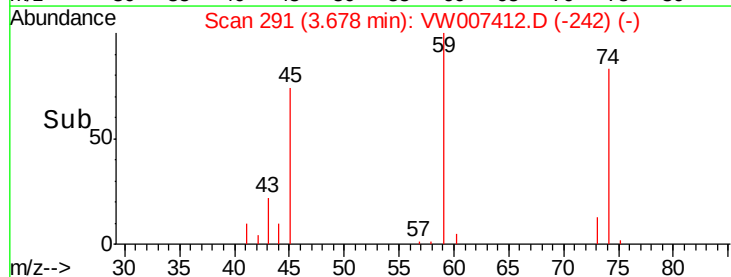
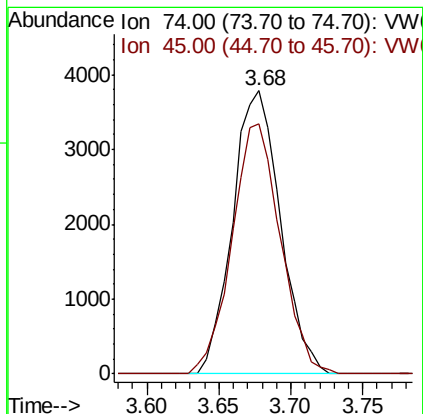
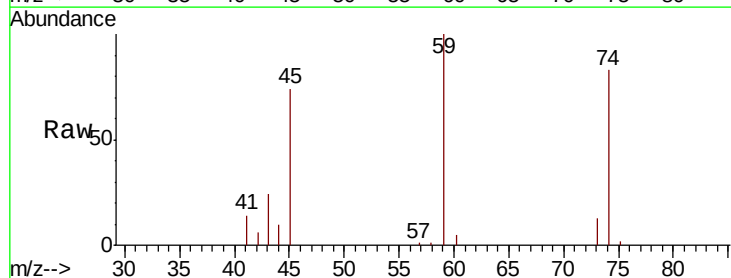
Tgt Ion: 101 Resp: 10024
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.7 77.5

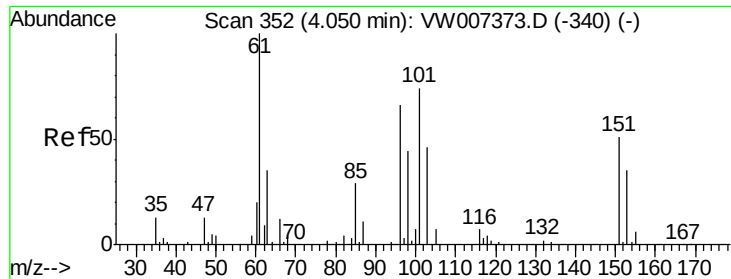


#8

Diethyl Ether
 Concen: 21.838 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

Tgt Ion: 74 Resp: 8711
 Ion Ratio Lower Upper
 74 100
 45 89.4 43.0 129.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.260 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

Instrument :

MSVOA_W

ClientSampleId :

VW1213SBS01

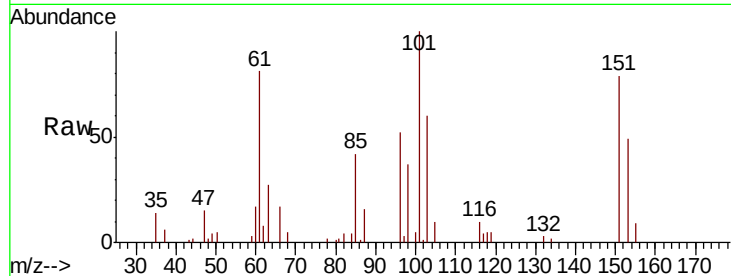
Tgt Ion:101 Resp: 17038

Ion Ratio Lower Upper

101 100

85 45.6 33.9 50.9

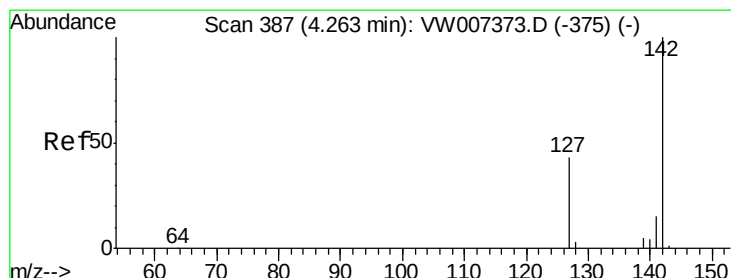
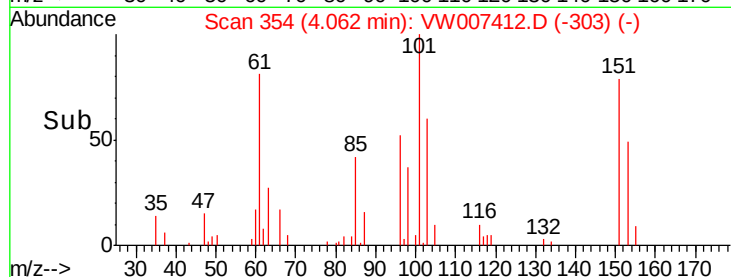
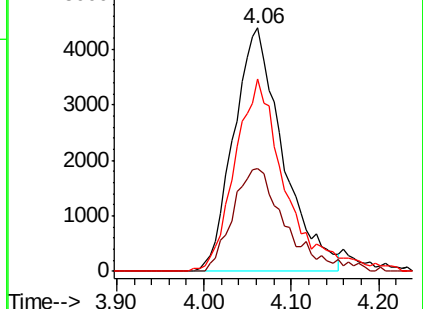
151 80.3 63.7 95.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VV

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.047 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

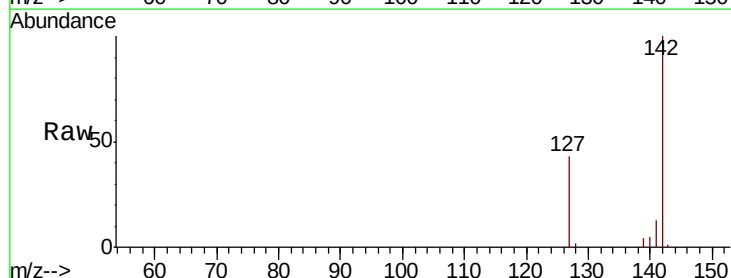
Tgt Ion:142 Resp: 29314

Ion Ratio Lower Upper

142 100

127 44.5 35.8 53.6

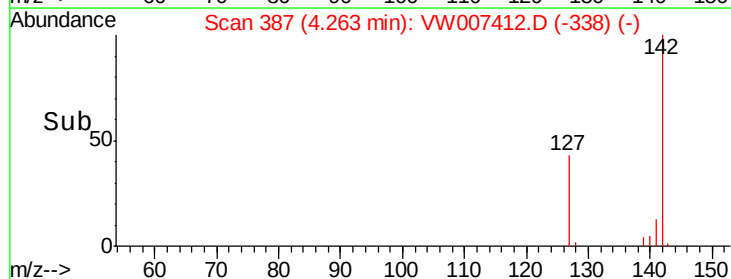
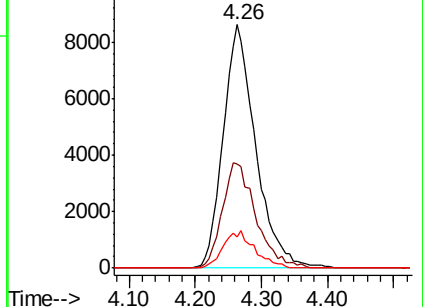
141 14.7 11.1 16.7

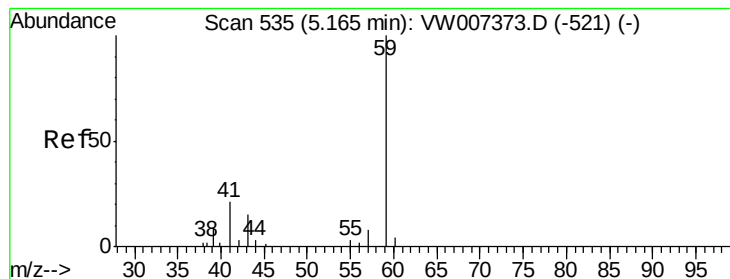


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



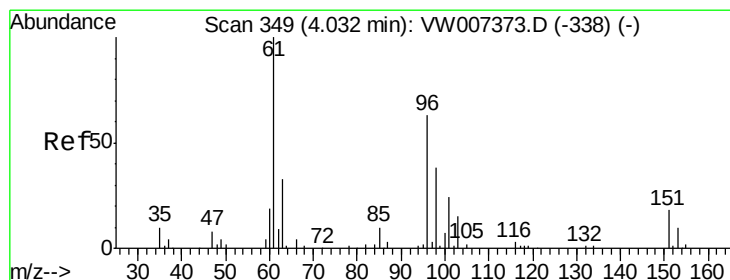
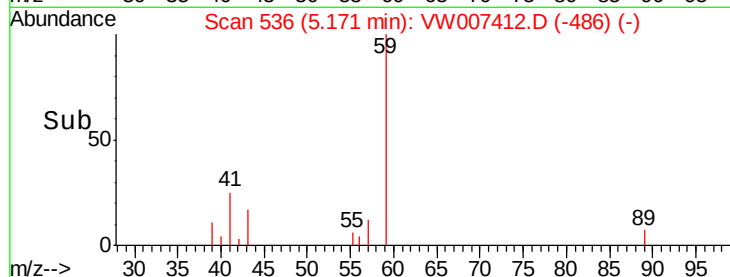
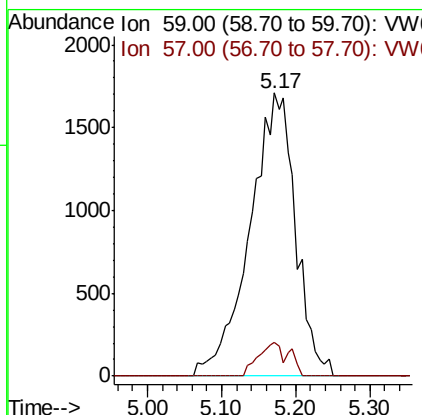
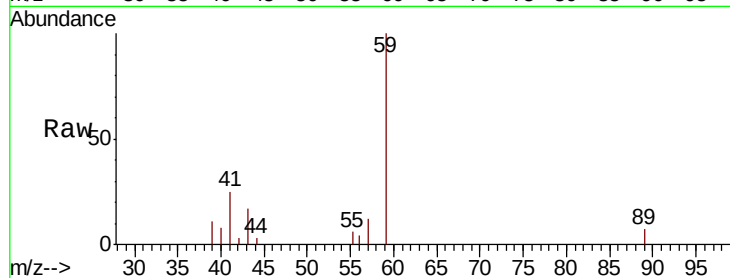


#11

Tert butyl alcohol
 Concen: 116.363 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1213SBS01

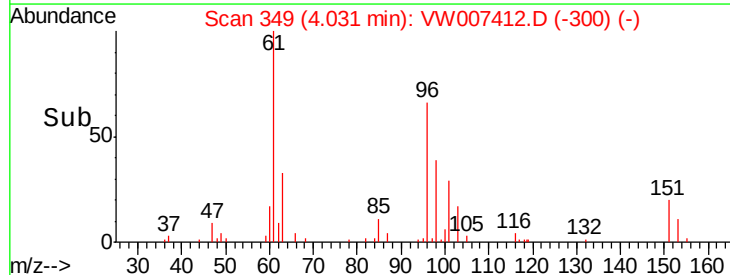
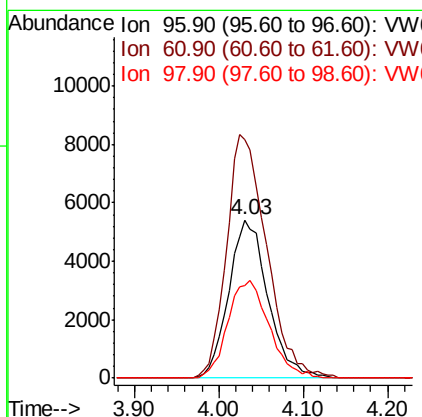
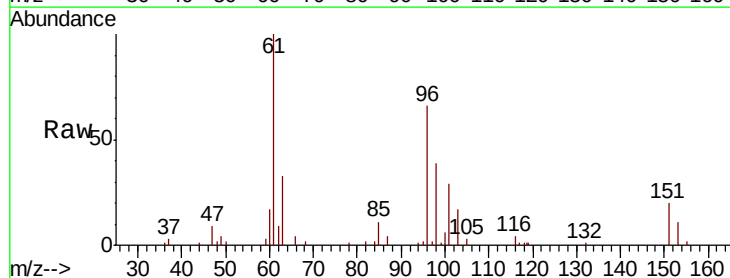
Tgt Ion: 59 Resp: 7318
 Ion Ratio Lower Upper
 59 100
 57 5.9 7.6 11.4#

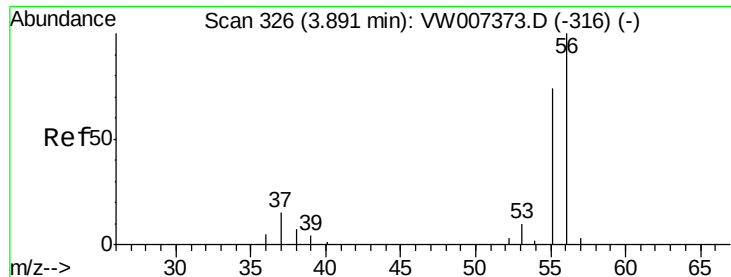


#12

1,1-Dichloroethene
 Concen: 21.082 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.00 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

Tgt Ion: 96 Resp: 17070
 Ion Ratio Lower Upper
 96 100
 61 151.2 126.2 189.2
 98 58.3 48.3 72.5





#13

Acrolein

Concen: 108.691 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

Instrument :

MSVOA_W

ClientSampleId :

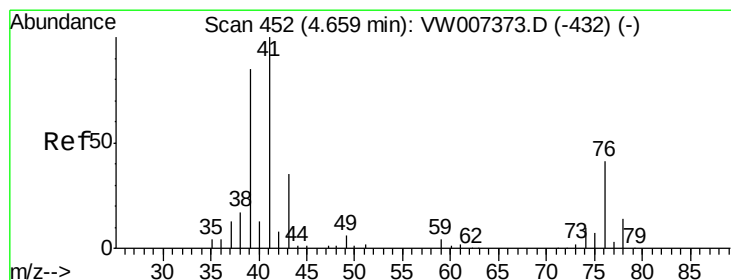
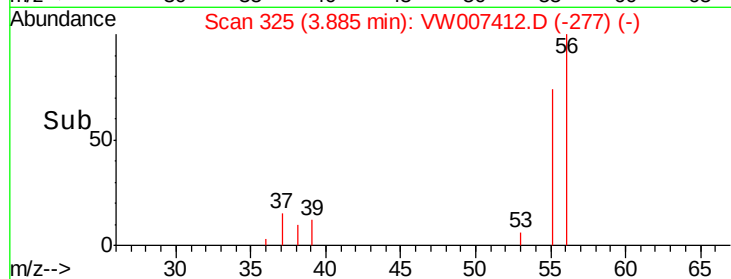
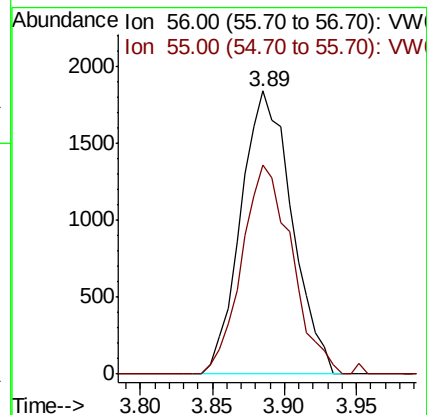
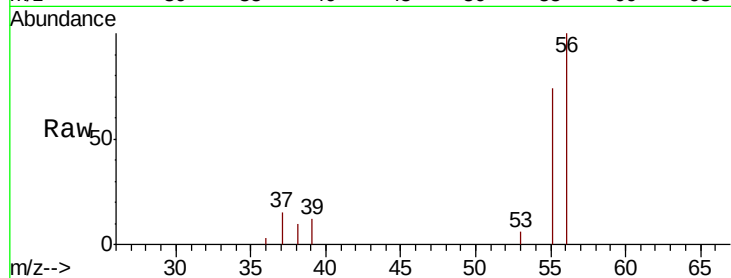
VW1213SBS01

Tgt Ion: 56 Resp: 4523

Ion Ratio Lower Upper

56 100

55 72.3 57.4 86.2



#14

Allyl chloride

Concen: 20.602 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

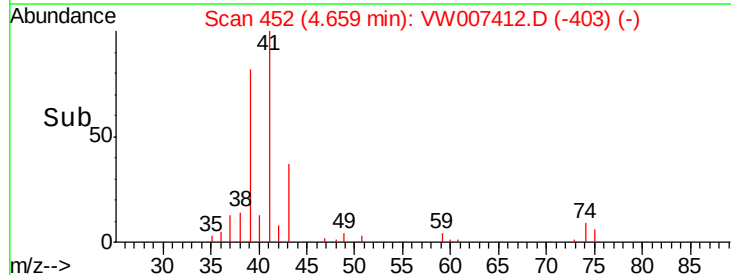
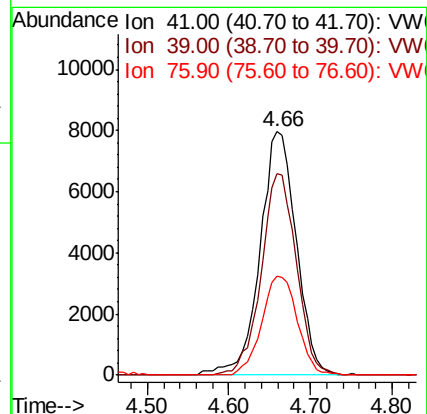
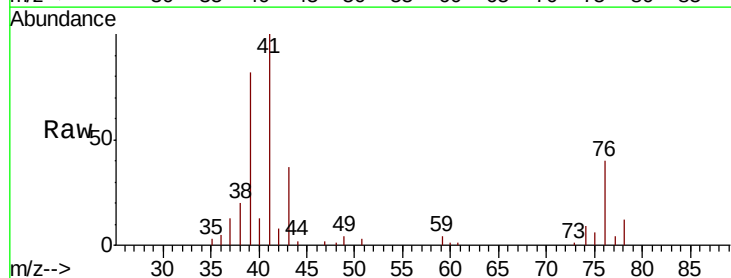
Tgt Ion: 41 Resp: 24588

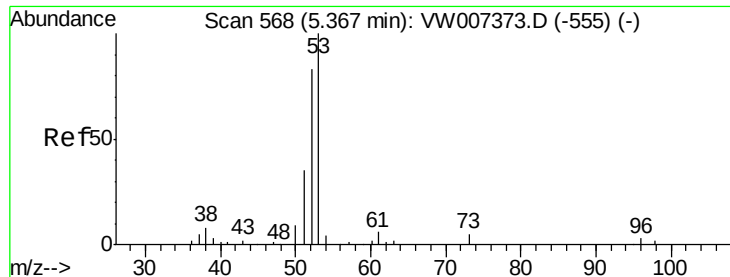
Ion Ratio Lower Upper

41 100

39 80.2 63.4 95.2

76 40.0 32.1 48.1





#15

Acrylonitrile

Concen: 104.526 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

Instrument :

MSVOA_W

ClientSampleId :

VW1213SBS01

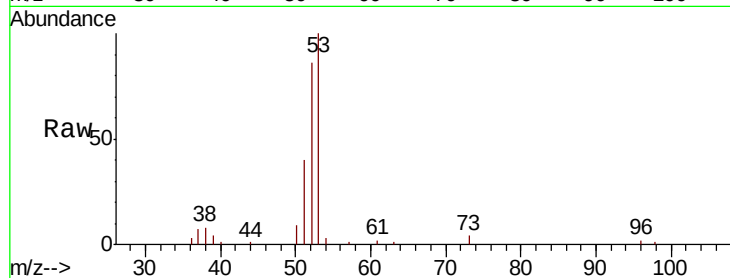
Tgt Ion: 53 Resp: 17577

Ion Ratio Lower Upper

53 100

52 83.5 67.4 101.2

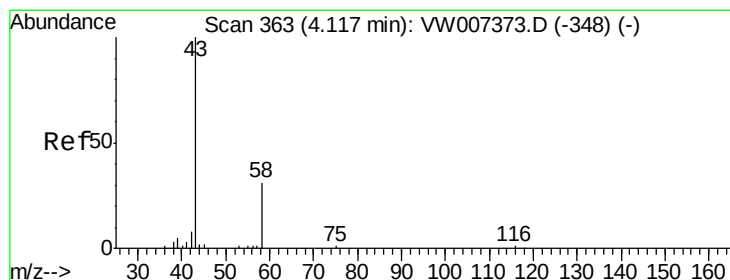
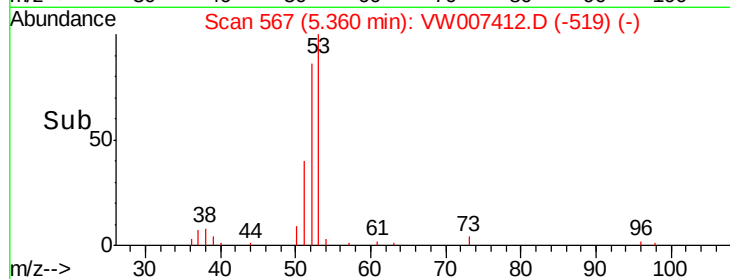
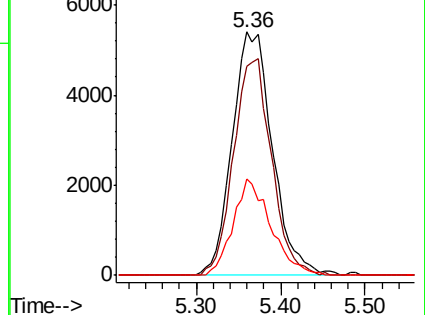
51 36.9 30.2 45.2



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 103.679 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007412.D

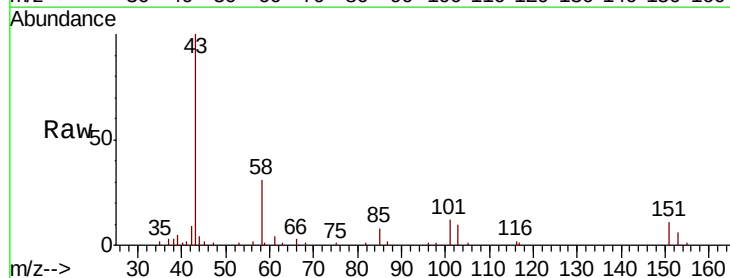
Acq: 12 Dec 2018 00:29

Tgt Ion: 43 Resp: 16583

Ion Ratio Lower Upper

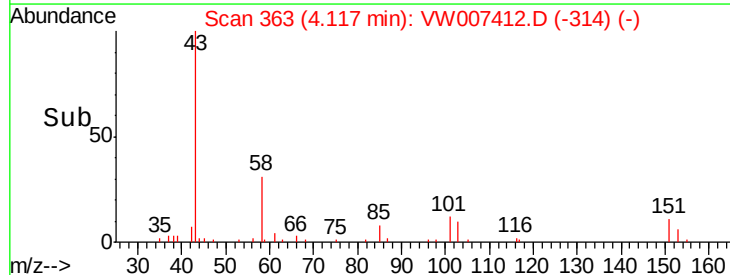
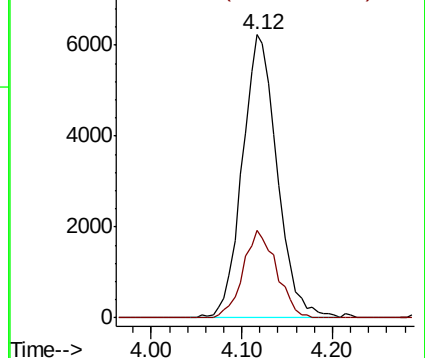
43 100

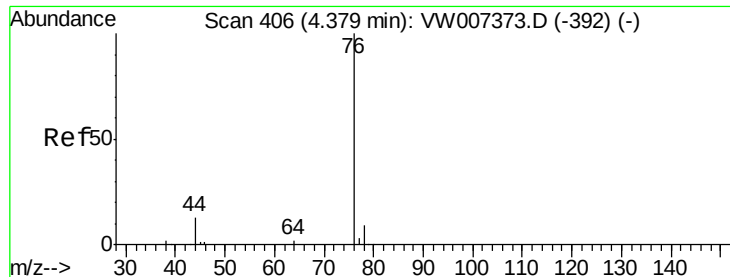
58 31.0 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

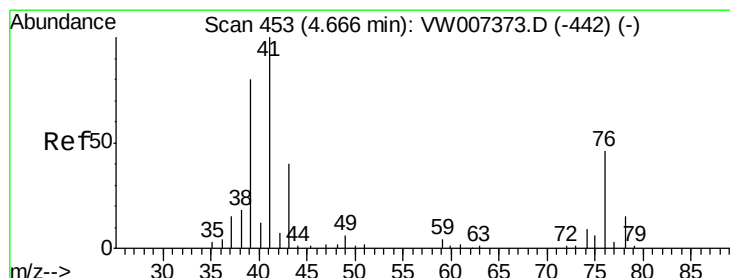
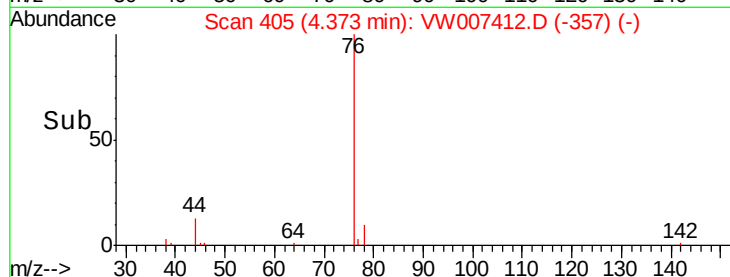
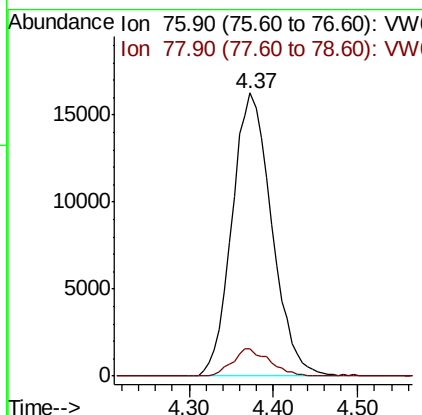
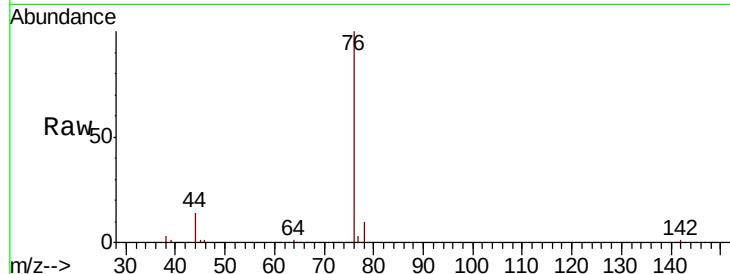




#17
Carbon Disulfide
Concen: 21.163 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

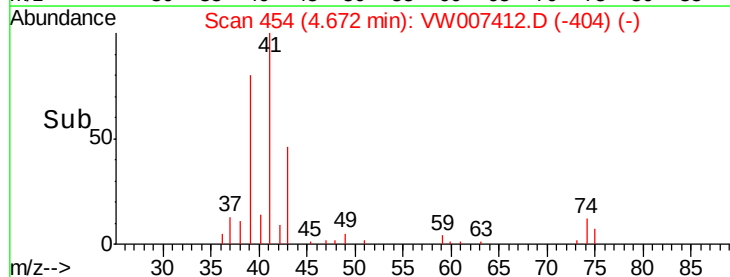
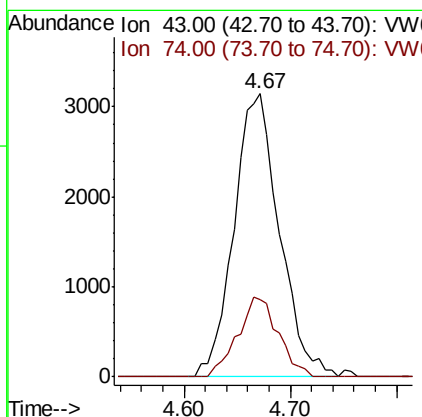
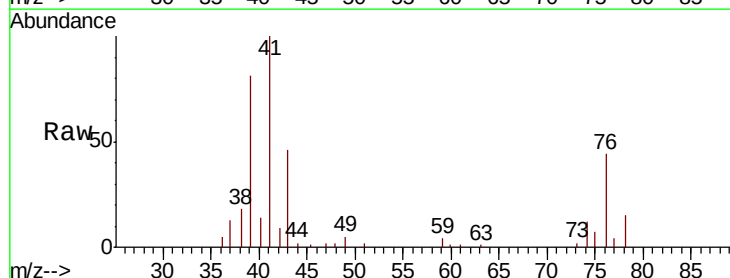
Instrument :
MSVOA_W
ClientSampleId :
VW1213SBS01

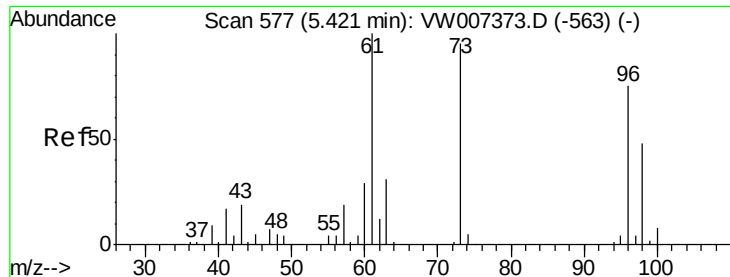
Tgt Ion: 76 Resp: 51955
Ion Ratio Lower Upper
76 100
78 9.8 7.1 10.7



#18
Methyl Acetate
Concen: 21.676 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Tgt Ion: 43 Resp: 9410
Ion Ratio Lower Upper
43 100
74 25.2 21.1 31.7

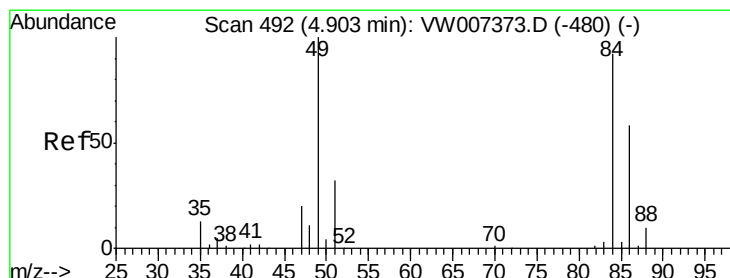
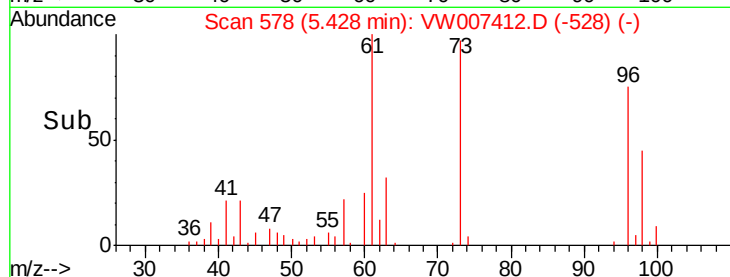
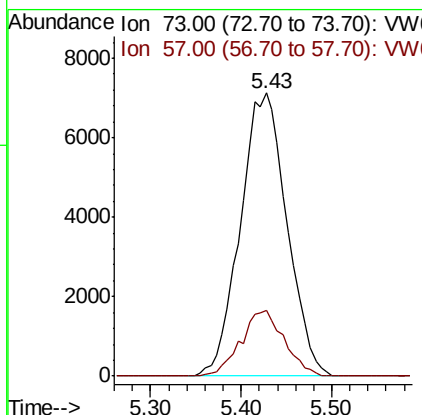
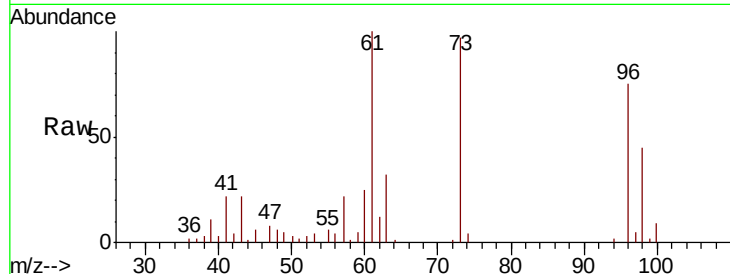




#19
Methyl tert-butyl Ether
Concen: 20.722 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

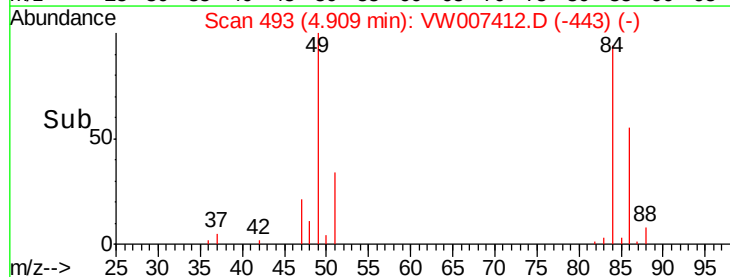
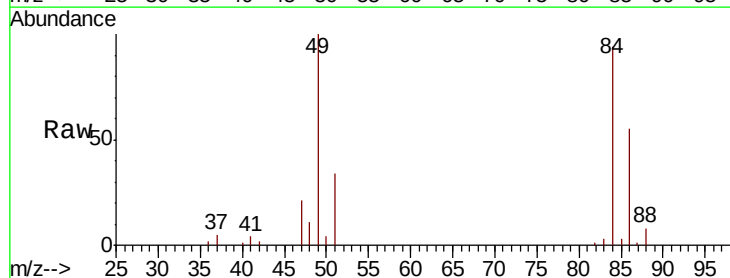
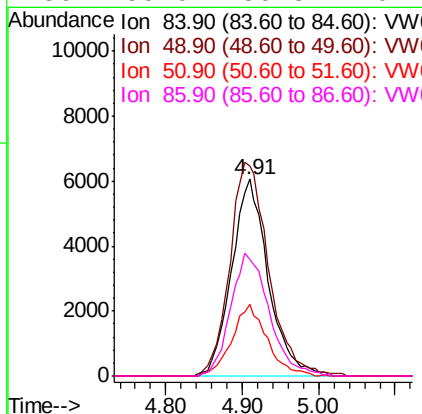
Instrument :
MSVOA_W
ClientSampleId :
VW1213SBS01

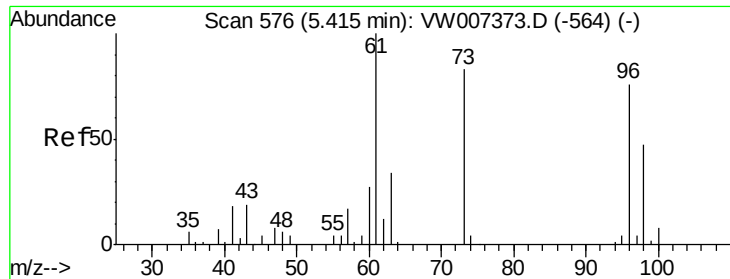
Tgt Ion: 73 Resp: 25311
Ion Ratio Lower Upper
73 100
57 23.1 16.4 24.6



#20
Methylene Chloride
Concen: 20.646 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Tgt Ion: 84 Resp: 20070
Ion Ratio Lower Upper
84 100
49 106.6 87.1 130.7
51 36.6 28.2 42.2
86 59.0 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 21.155 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

Instrument :

MSVOA_W

ClientSampleId :

VW1213SBS01

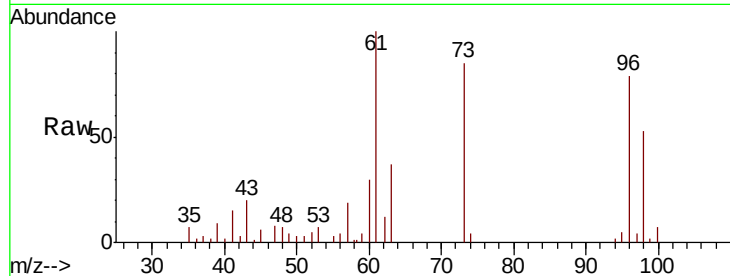
Tgt Ion: 96 Resp: 19161

Ion Ratio Lower Upper

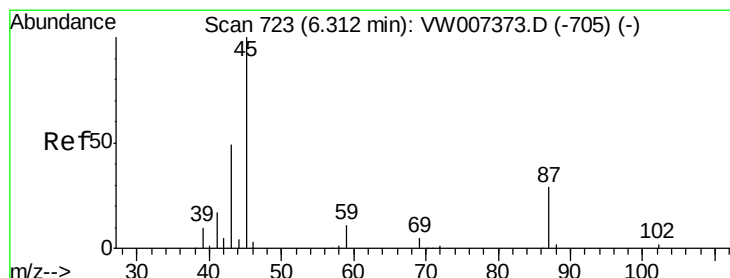
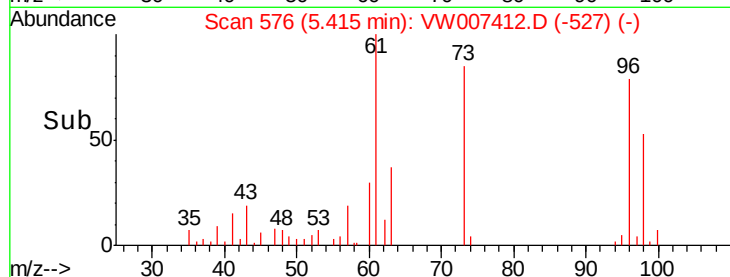
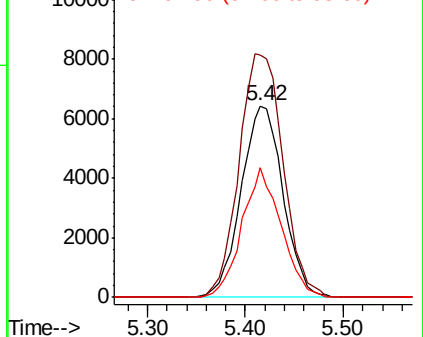
96 100

61 126.5 105.0 157.6

98 67.5 49.7 74.5



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: 21.386 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

Tgt Ion: 45 Resp: 49060

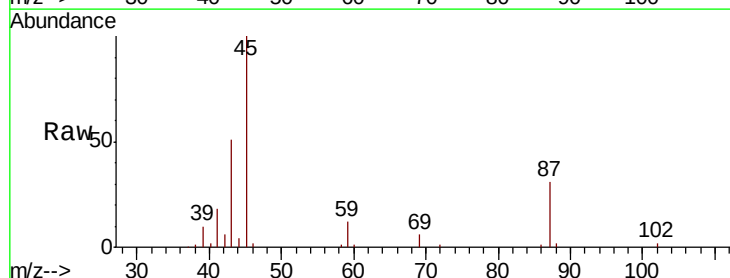
Ion Ratio Lower Upper

45 100

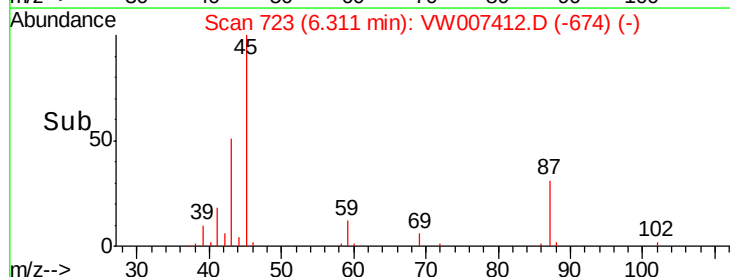
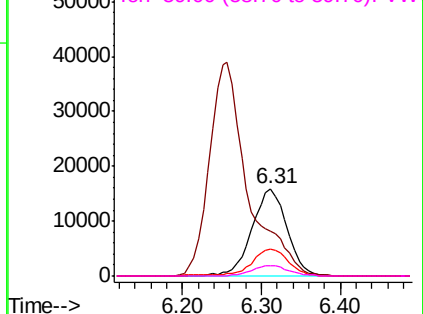
43 51.1 41.6 62.4

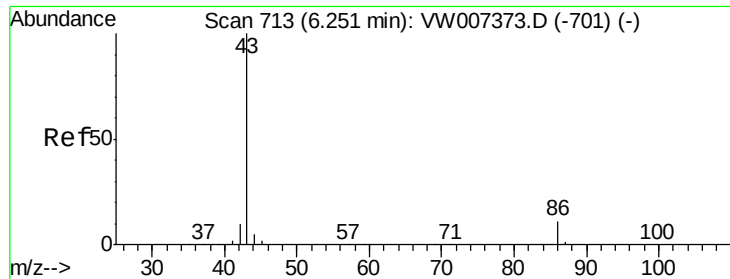
87 30.6 24.3 36.5

59 11.7 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 102.633 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

Instrument :

MSVOA_W

ClientSampleId :

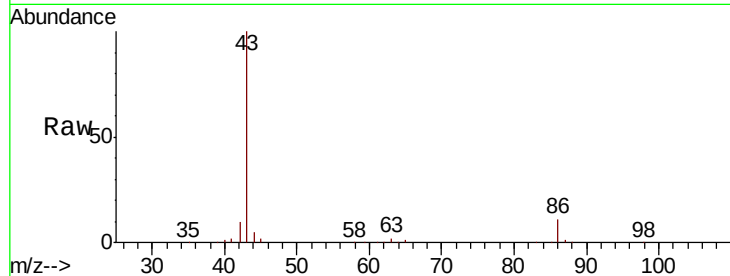
VW1213SBS01

Tgt Ion: 43 Resp: 131693

Ion Ratio Lower Upper

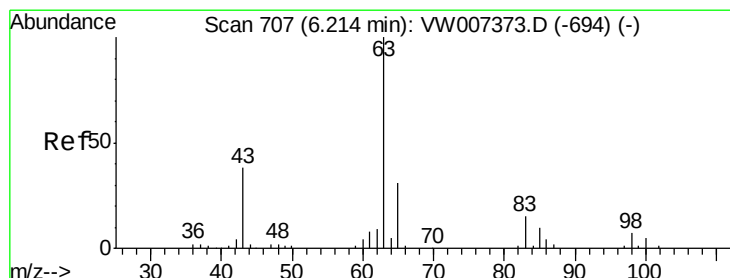
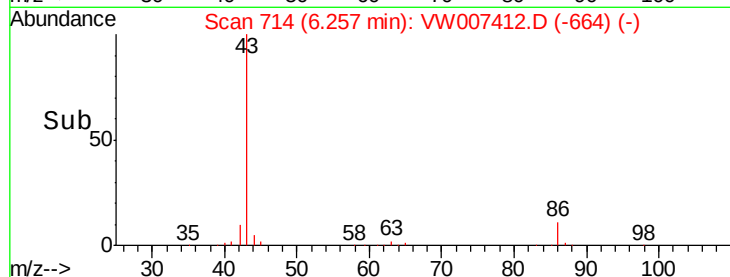
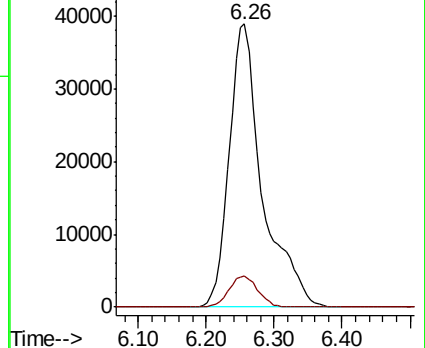
43 100

86 11.3 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 21.389 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

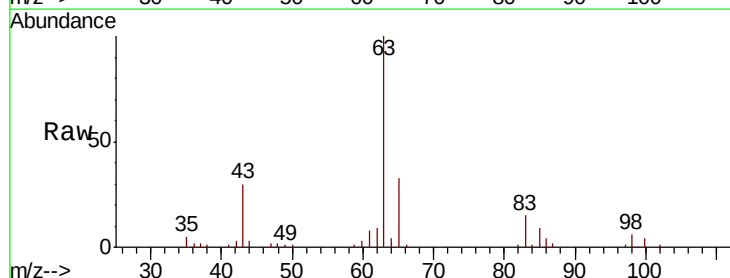
Tgt Ion: 63 Resp: 33163

Ion Ratio Lower Upper

63 100

98 6.1 3.5 10.4

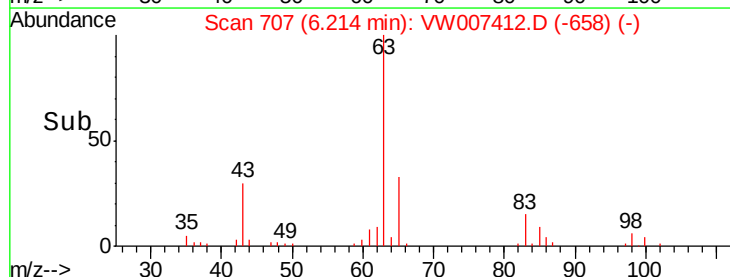
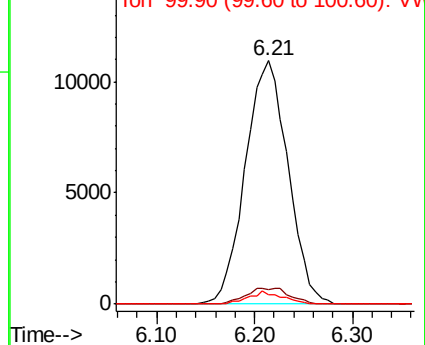
100 3.6 2.5 7.5

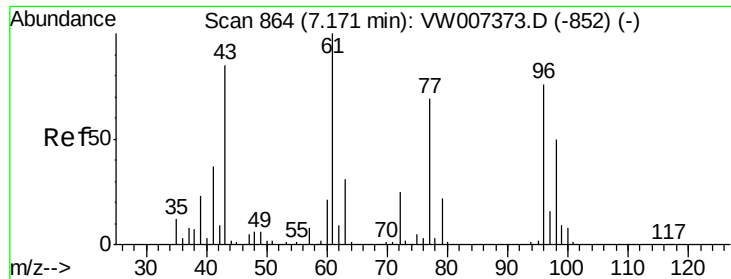


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 102.854 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

Instrument :

MSVOA_W

ClientSampleId :

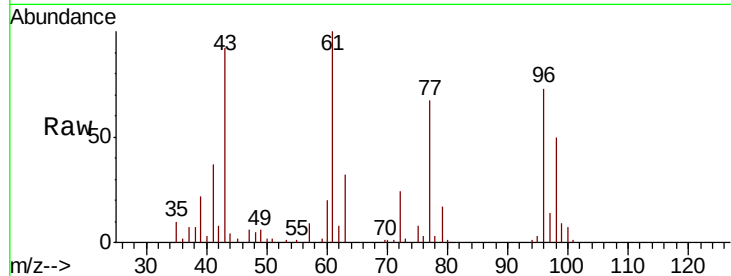
VW1213SBS01

Tgt Ion: 43 Resp: 21477

Ion Ratio Lower Upper

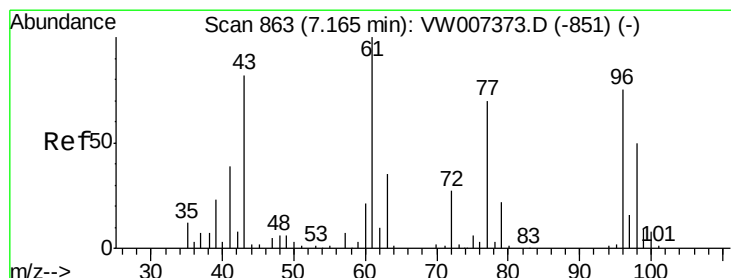
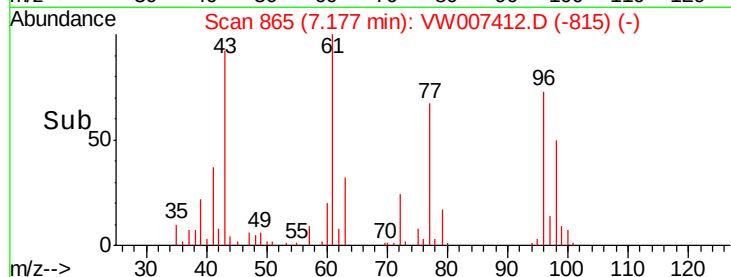
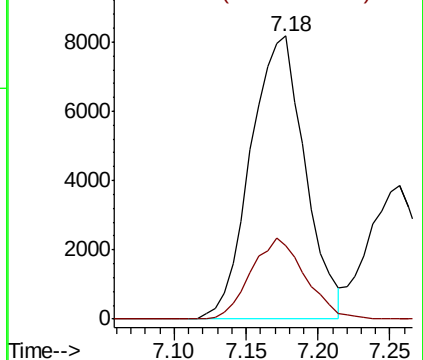
43 100

72 26.0 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 20.294 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007412.D

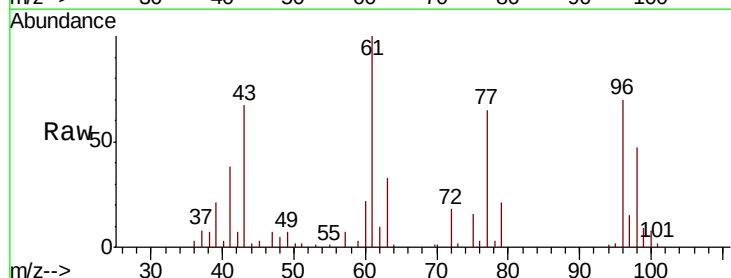
Acq: 12 Dec 2018 00:29

Tgt Ion: 77 Resp: 20824

Ion Ratio Lower Upper

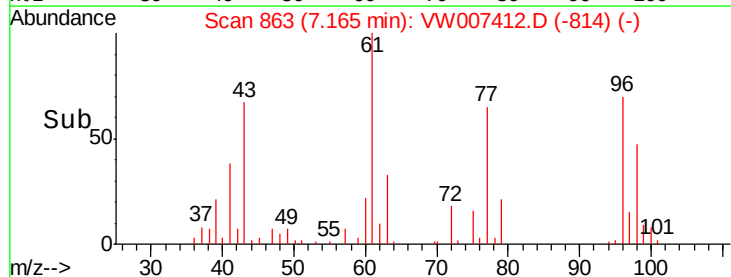
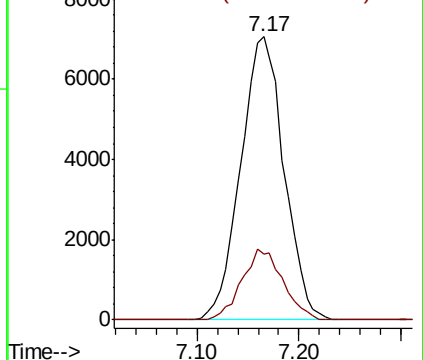
77 100

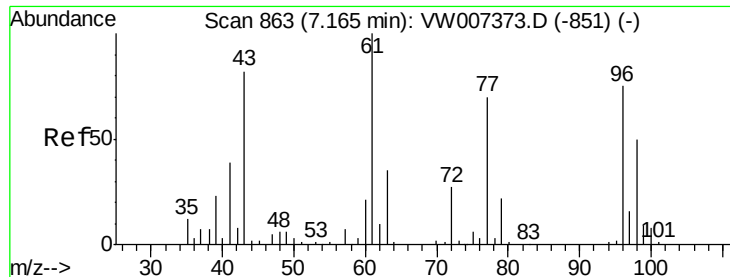
97 23.6 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



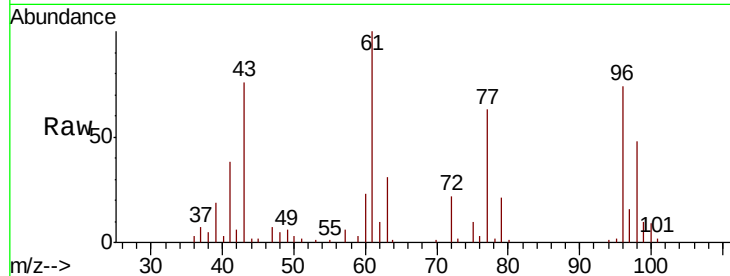


#27

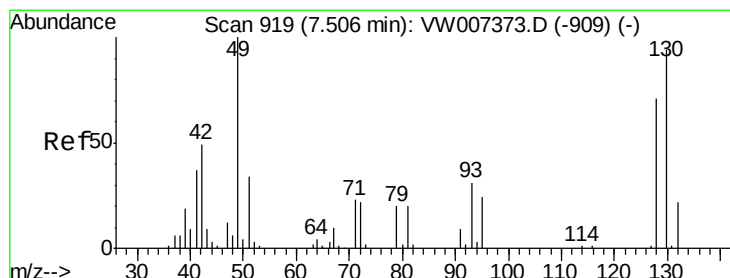
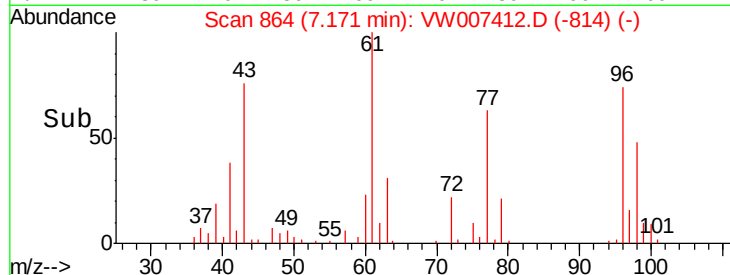
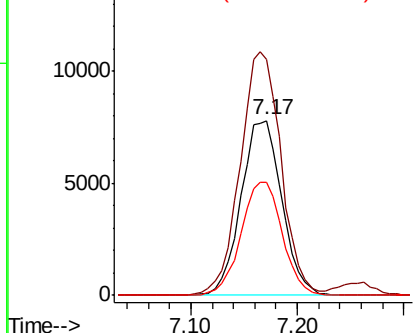
cis-1,2-Dichloroethene
Concen: 21.127 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Instrument :
MSVOA_W
ClientSampleId :
VW1213SBS01

Tgt Ion: 96 Resp: 20953
Ion Ratio Lower Upper
96 100
61 139.5 0.0 268.4
98 65.2 0.0 127.8



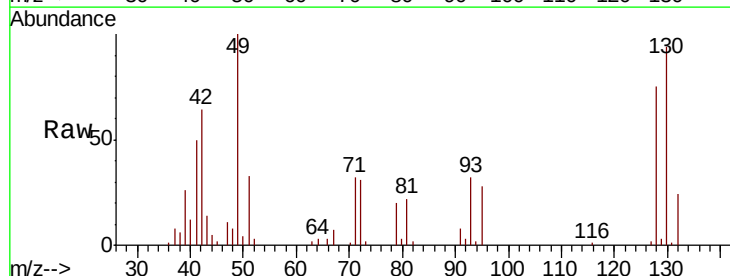
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



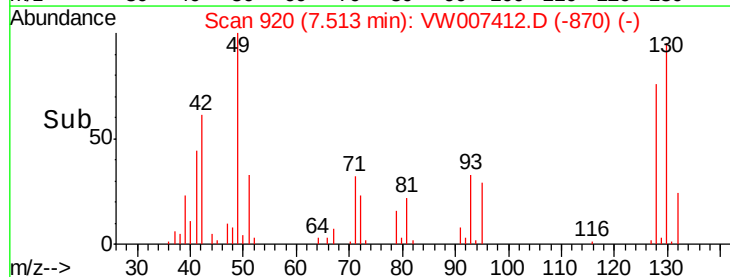
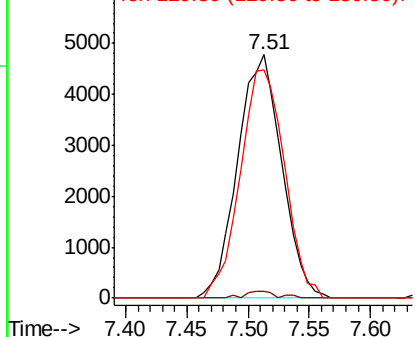
#28

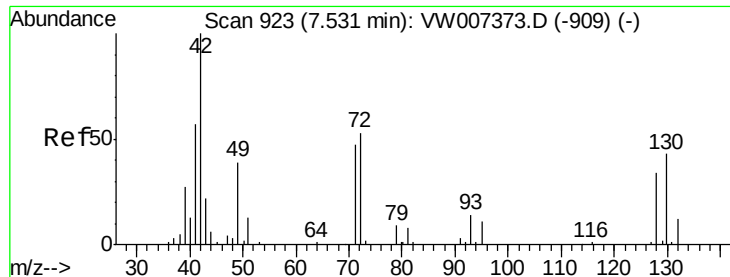
Bromochloromethane
Concen: 20.583 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Tgt Ion: 49 Resp: 12004
Ion Ratio Lower Upper
49 100
129 2.1 0.0 2.6
130 94.1 75.9 113.9



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

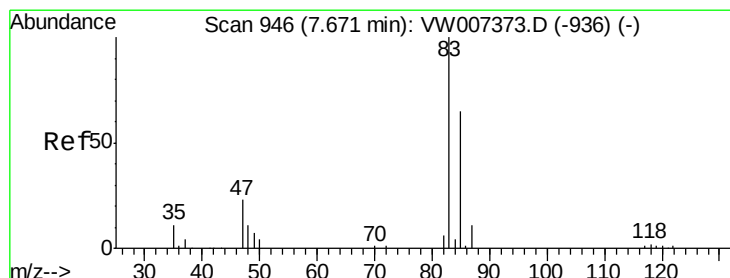
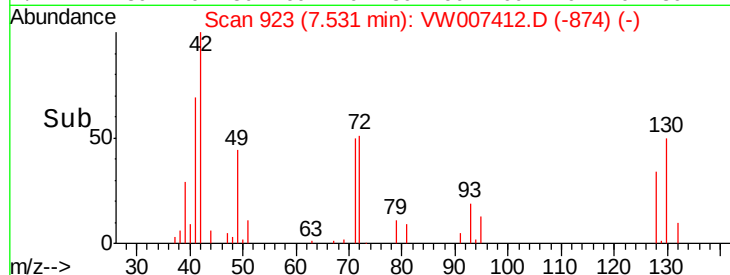
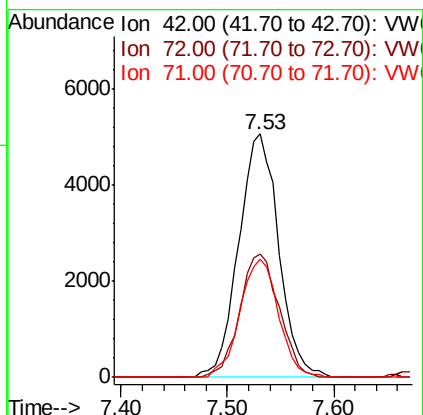
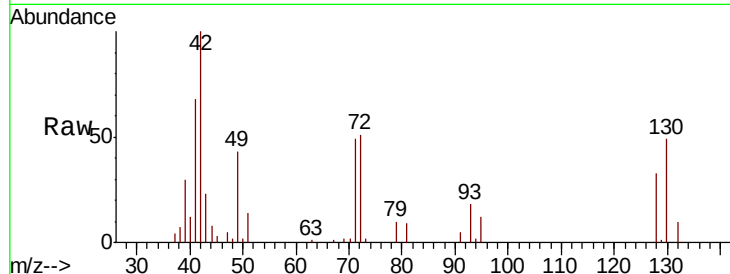




#29
Tetrahydrofuran
Concen: 101.036 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

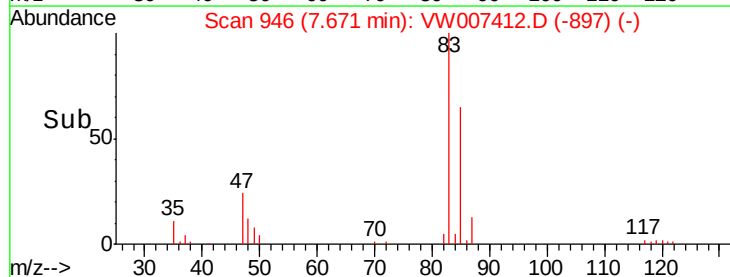
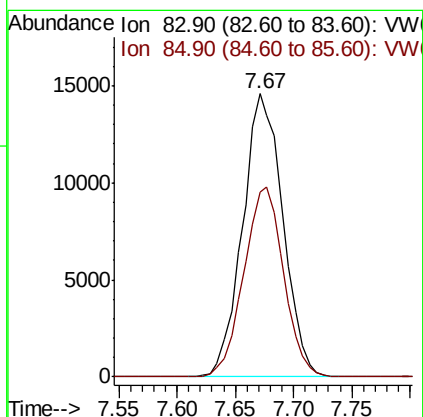
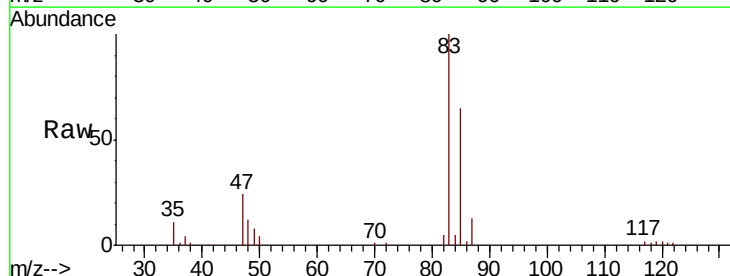
Instrument :
MSVOA_W
ClientSampleId :
VW1213SBS01

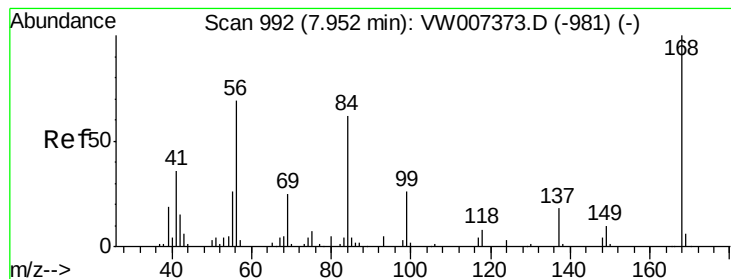
Tgt Ion: 42 Resp: 13356
Ion Ratio Lower Upper
42 100
72 50.0 38.2 57.4
71 47.0 35.5 53.3



#30
Chloroform
Concen: 20.783 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Tgt Ion: 83 Resp: 35067
Ion Ratio Lower Upper
83 100
85 65.4 51.8 77.8





#31

Cyclohexane

Concen: 20.257 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

Instrument :

MSVOA_W

ClientSampleId :

VW1213SBS01

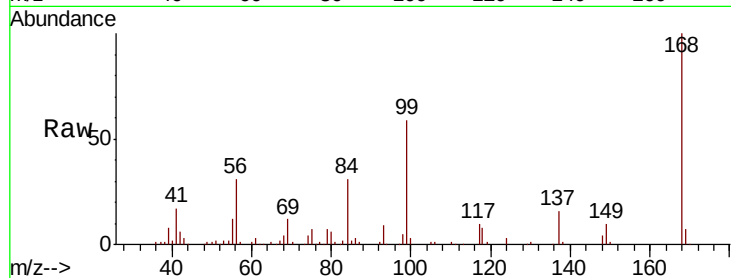
Tgt Ion: 56 Resp: 28816

Ion Ratio Lower Upper

56 100

69 37.9 28.9 43.3

84 98.1 71.8 107.6

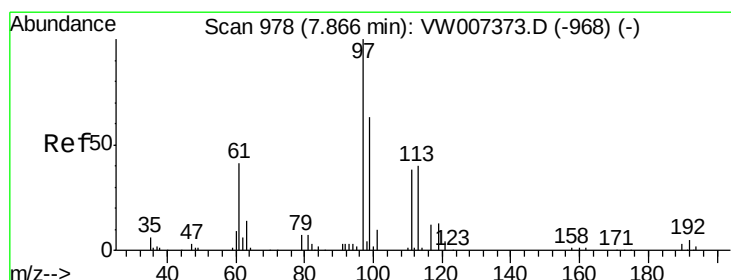
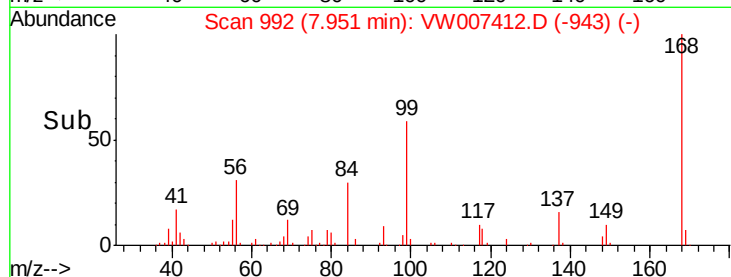
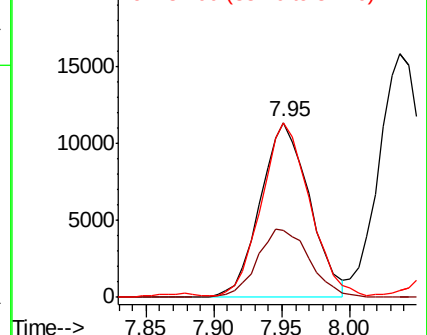


Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 20.817 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

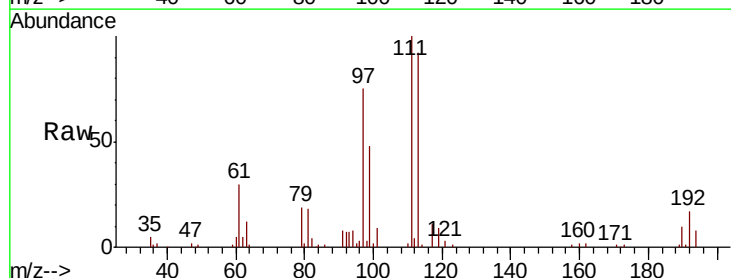
Tgt Ion: 97 Resp: 30802

Ion Ratio Lower Upper

97 100

99 62.3 51.1 76.7

61 40.6 33.2 49.8

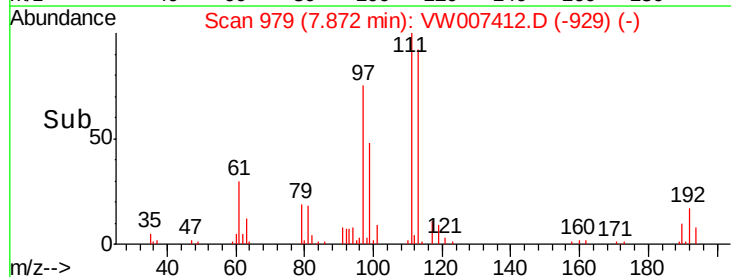
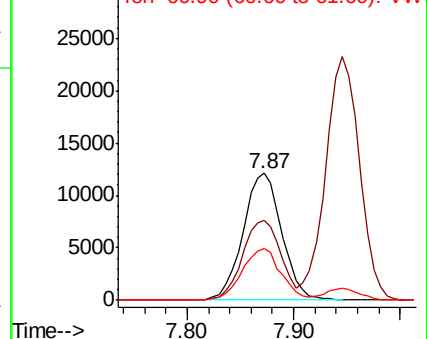


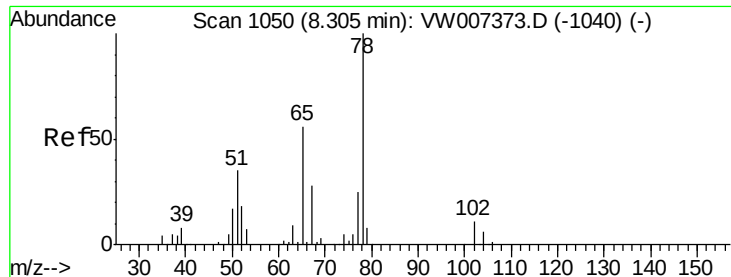
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW

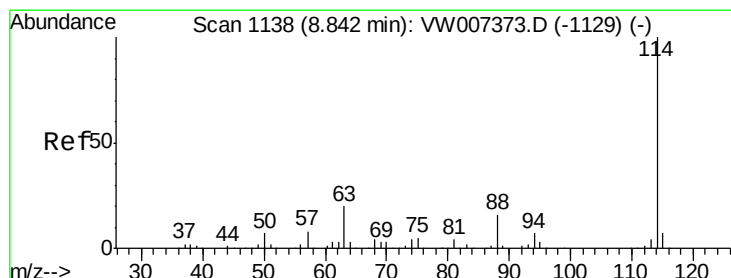
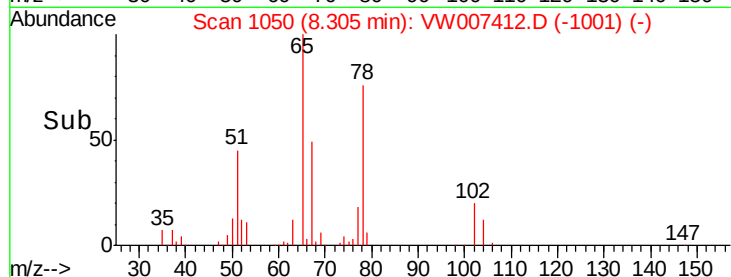
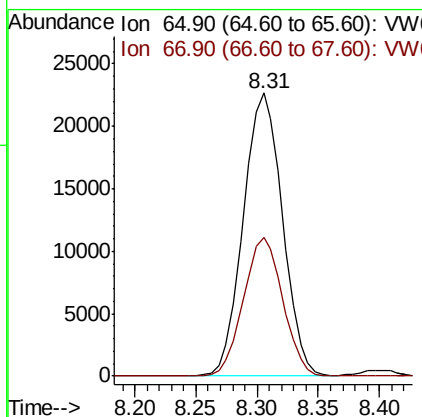
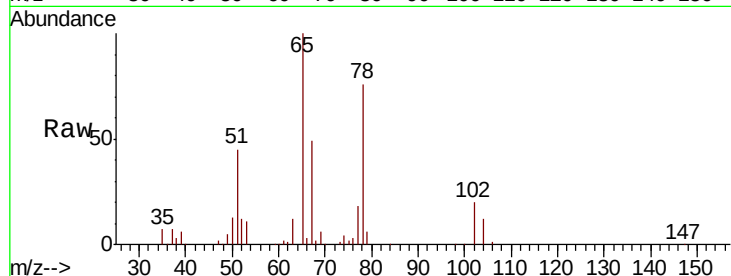




#33
 1,2-Dichloroethane-d4
 Concen: 55.163 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

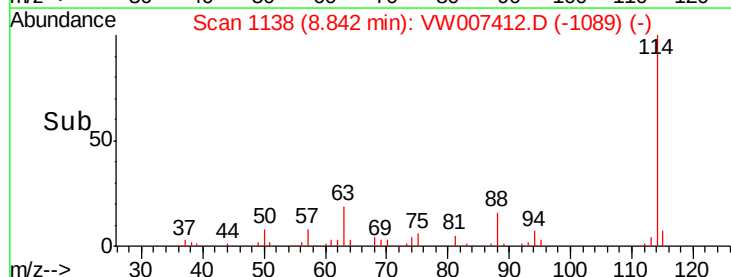
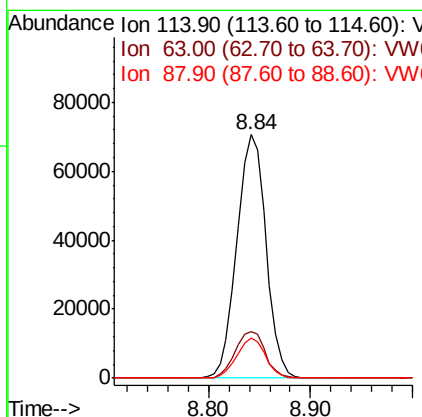
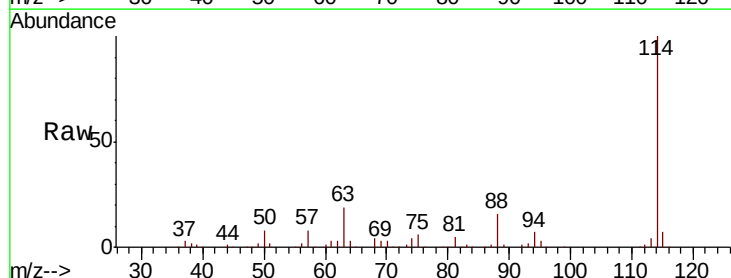
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1213SBS01

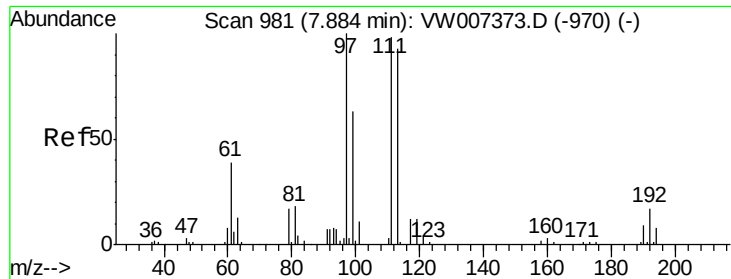
Tgt Ion: 65 Resp: 50513
 Ion Ratio Lower Upper
 65 100
 67 48.9 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

Tgt Ion: 114 Resp: 139600
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.6
 88 16.2 0.0 31.4

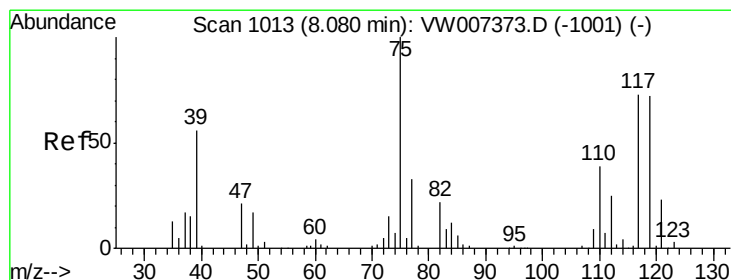
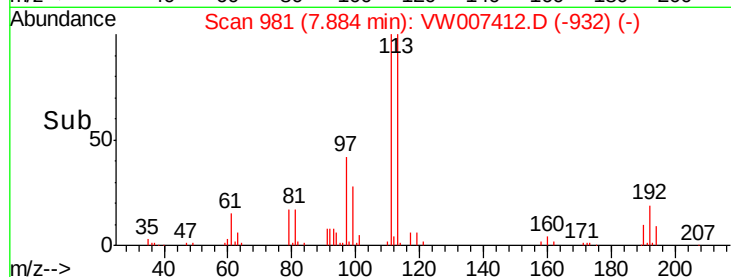
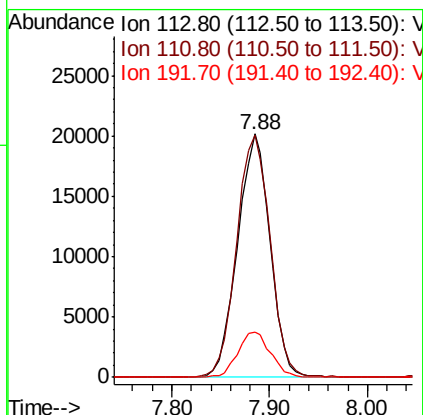
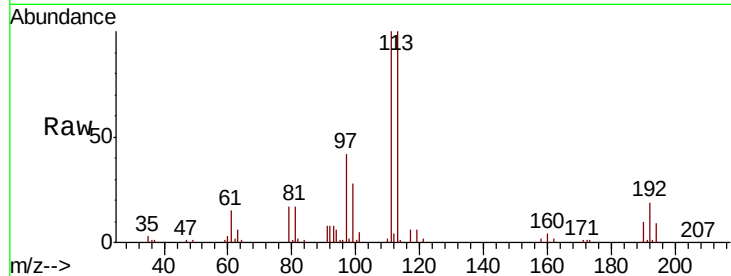




#35
 Dibromofluoromethane
 Concen: 55.078 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

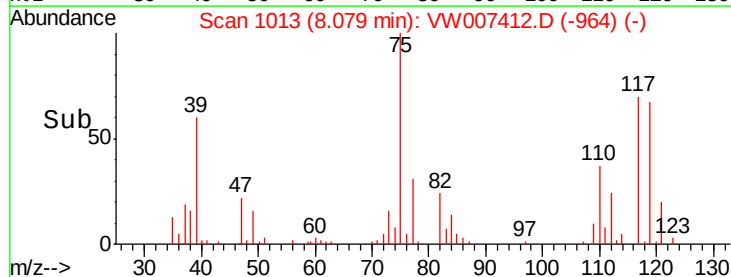
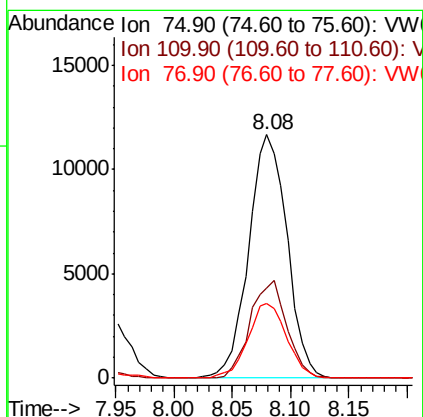
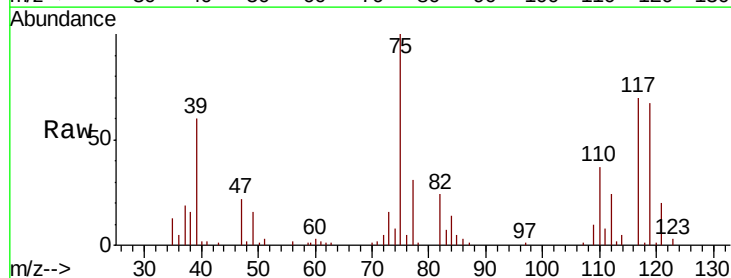
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1213SBS01

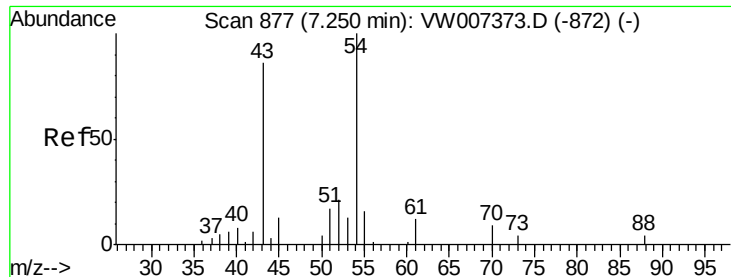
Tgt Ion:113 Resp: 46544
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.1 121.7
 192 18.6 14.6 21.8



#36
 1,1-Dichloropropene
 Concen: 21.087 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

Tgt Ion: 75 Resp: 26854
 Ion Ratio Lower Upper
 75 100
 110 38.2 18.5 55.5
 77 30.9 25.6 38.4

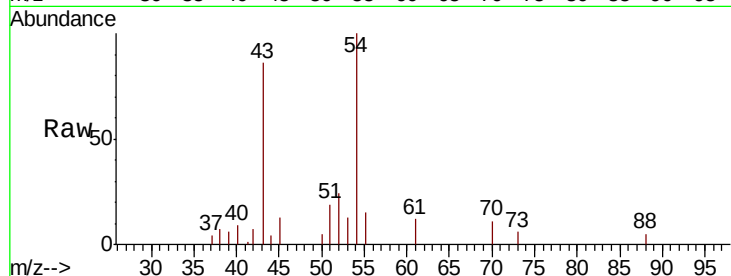




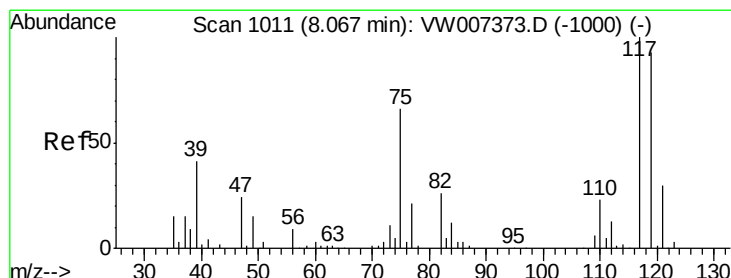
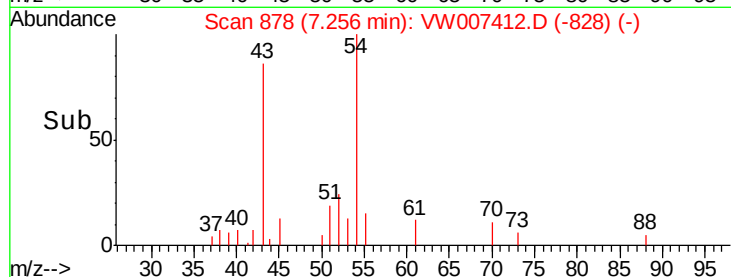
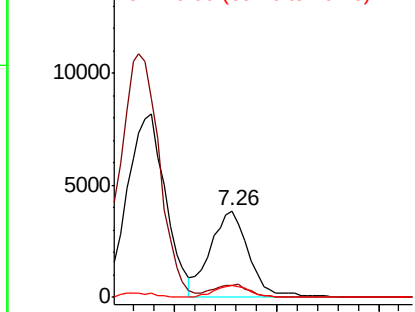
#37
Ethyl Acetate
Concen: 21.516 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Instrument :
MSVOA_W
ClientSampleId :
VW1213SBS01

Tgt Ion: 43 Resp: 10191
Ion Ratio Lower Upper
43 100
61 13.4 12.1 18.1
70 12.2 10.0 15.0

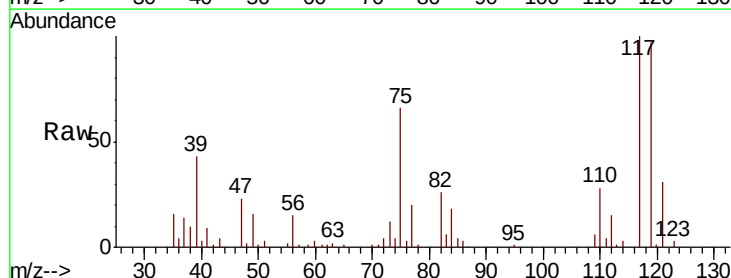


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

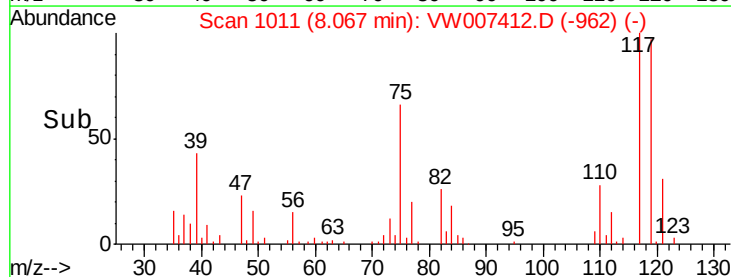
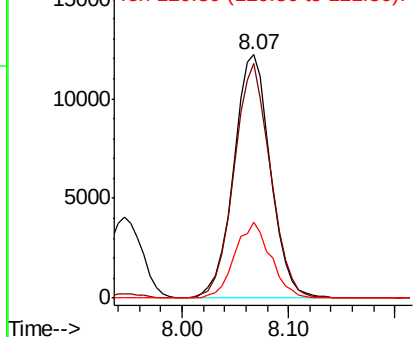


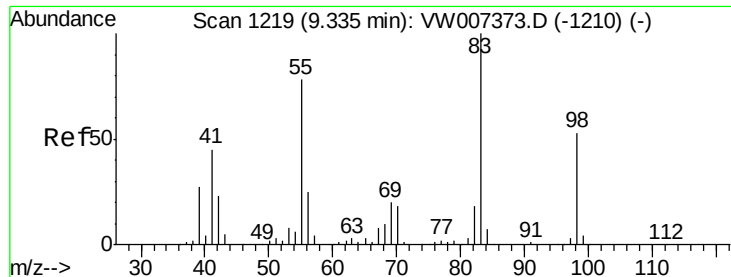
#38
Carbon Tetrachloride
Concen: 21.326 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Tgt Ion: 117 Resp: 29550
Ion Ratio Lower Upper
117 100
119 96.6 74.3 111.5
121 31.1 24.3 36.5



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

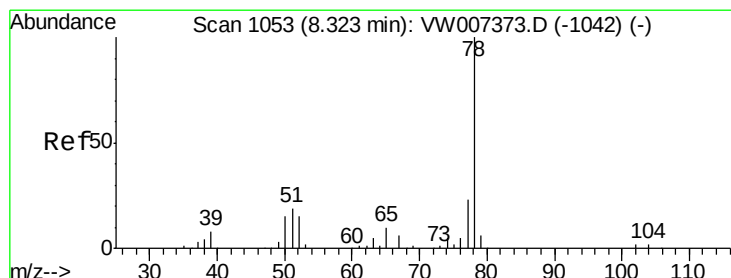
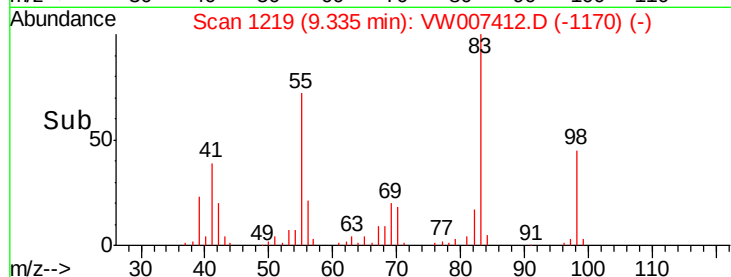
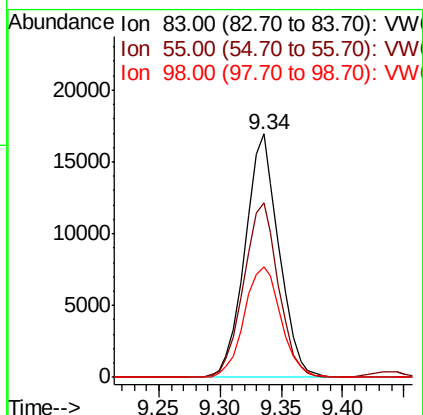
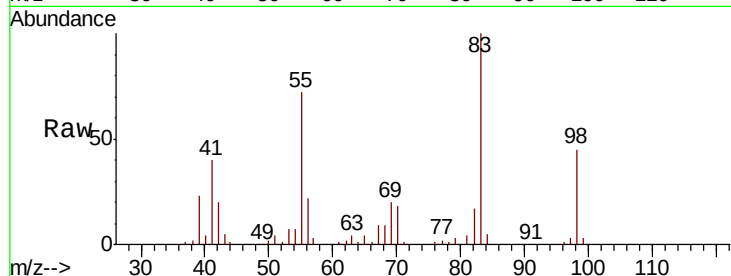




#39
Methylcyclohexane
Concen: 21.170 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

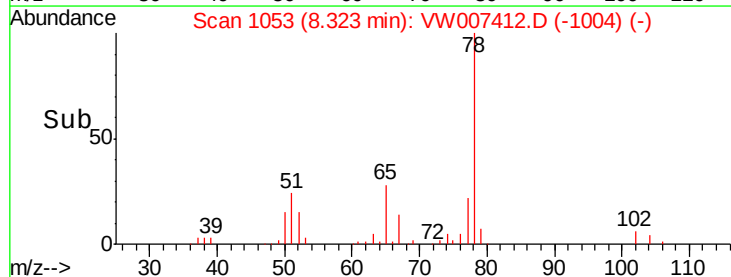
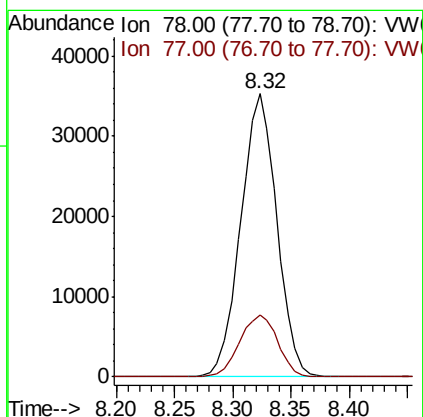
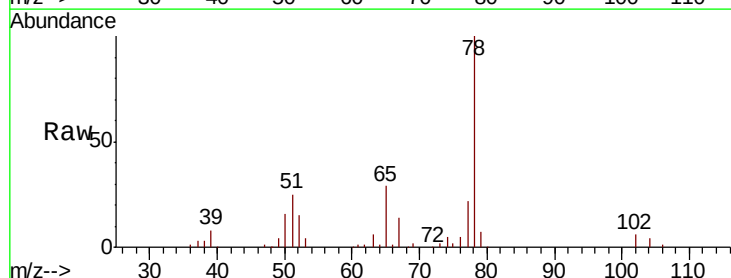
Instrument :
MSVOA_W
ClientSampleId :
VW1213SBS01

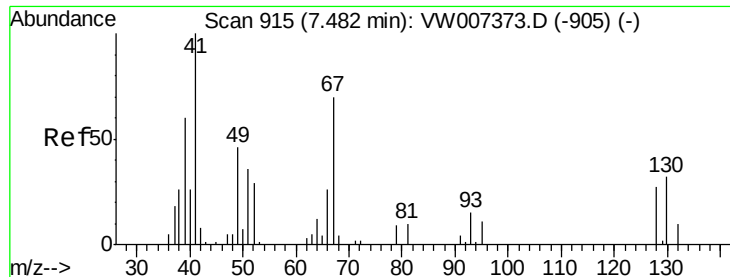
Tgt Ion: 83 Resp: 32645
Ion Ratio Lower Upper
83 100
55 71.7 62.8 94.2
98 45.3 42.2 63.2



#40
Benzene
Concen: 21.528 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Tgt Ion: 78 Resp: 76083
Ion Ratio Lower Upper
78 100
77 21.9 18.8 28.2

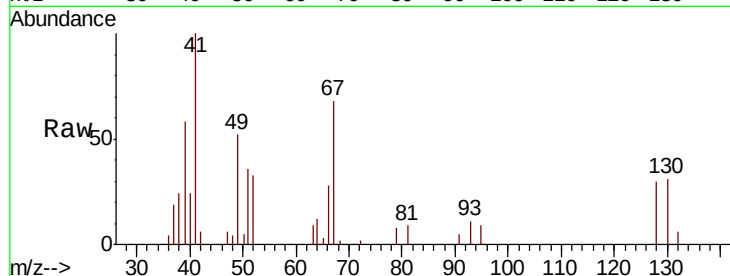




#41
Methacrylonitrile
Concen: 23.569 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Instrument :
MSVOA_W
ClientSampleId :
VW1213SBS01

Tgt Ion:	41	Resp:	6357
Ion	Ratio	Lower	Upper
41	100		
39	52.3	52.2	78.2
67	67.4	60.5	90.7
52	30.9	25.3	37.9



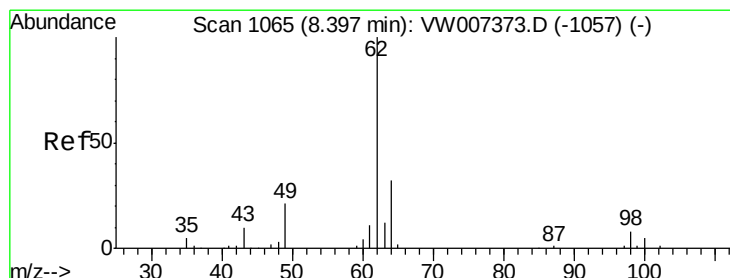
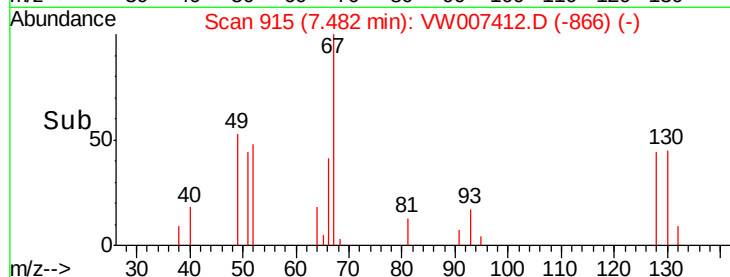
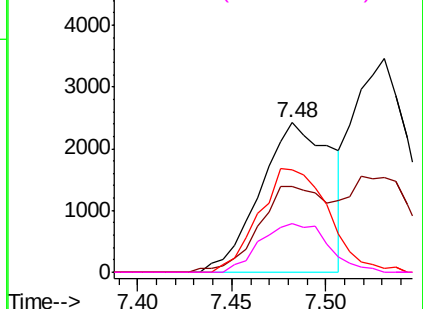
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

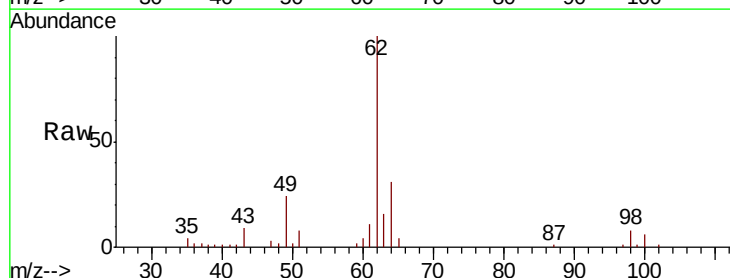
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 21.425 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

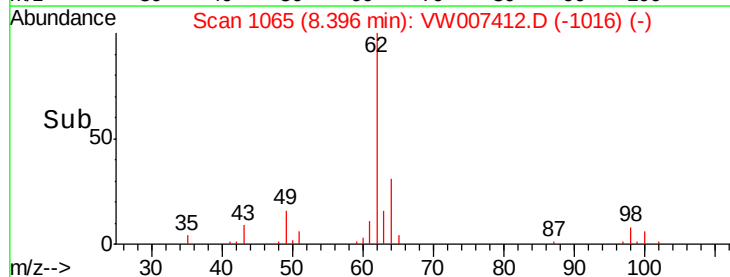
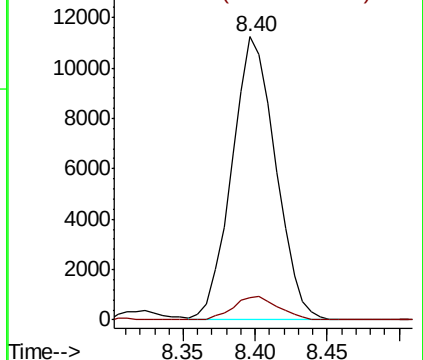
Tgt Ion:	62	Resp:	23785
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.6

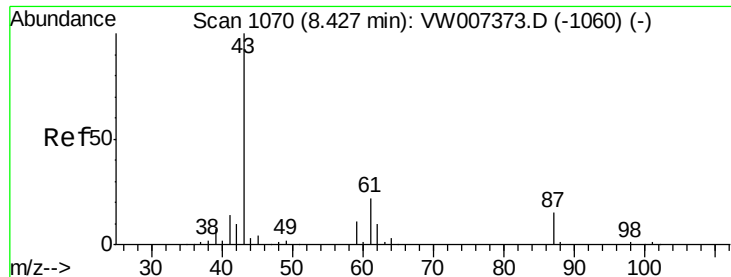


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 20.659 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

Instrument :

MSVOA_W

ClientSampleId :

VW1213SBS01

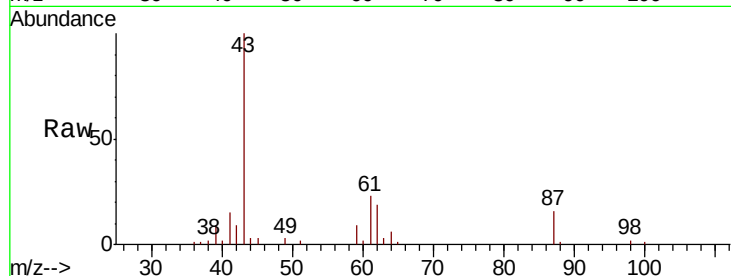
Tgt Ion: 43 Resp: 19329

Ion Ratio Lower Upper

43 100

61 33.5 25.3 37.9

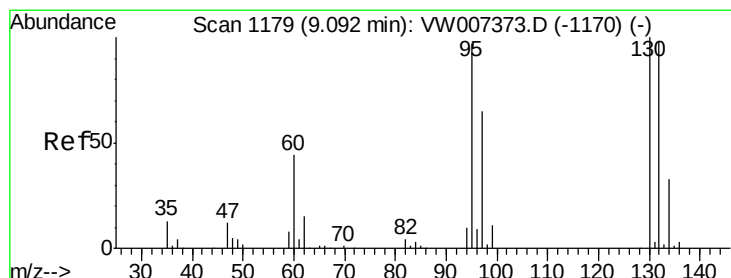
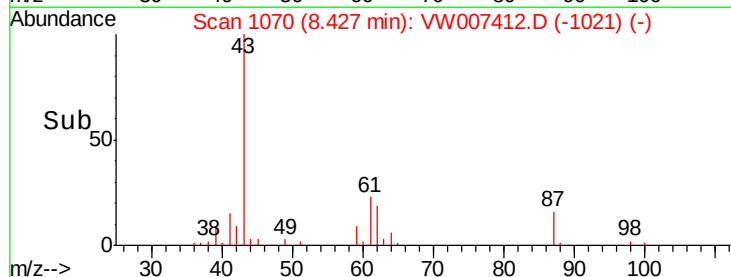
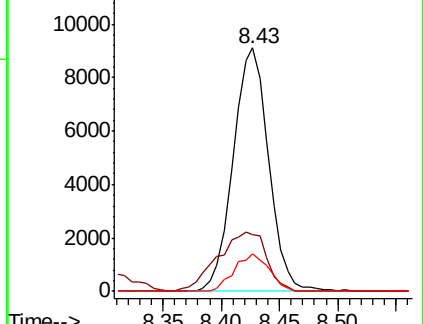
87 15.2 11.8 17.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 21.400 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007412.D

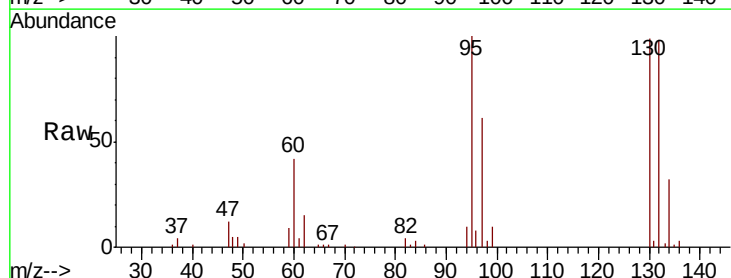
Acq: 12 Dec 2018 00:29

Tgt Ion: 130 Resp: 21597

Ion Ratio Lower Upper

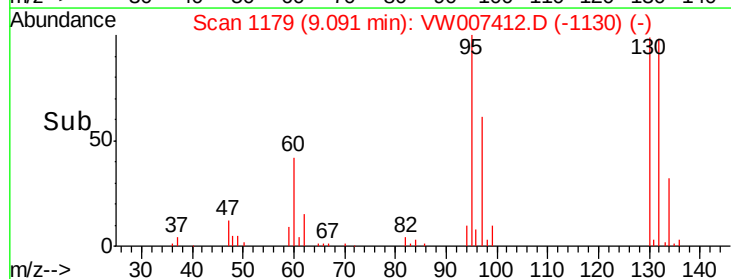
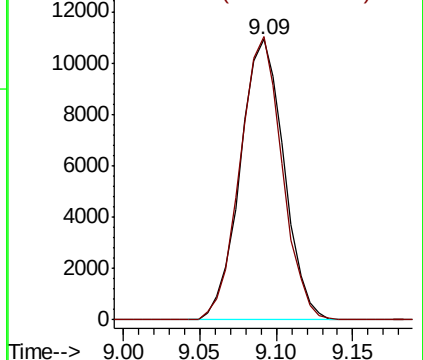
130 100

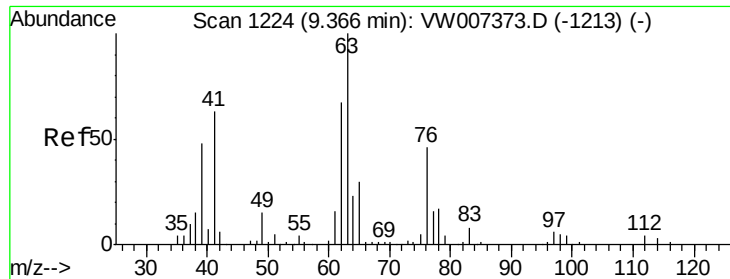
95 100.9 0.0 193.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

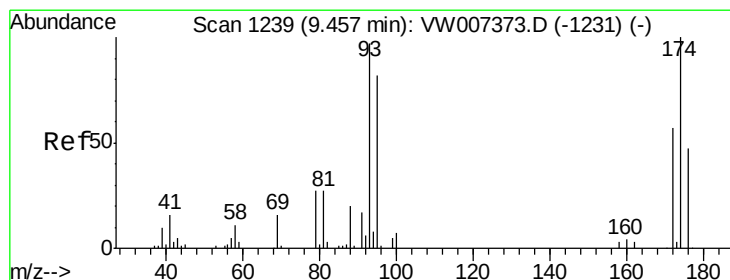
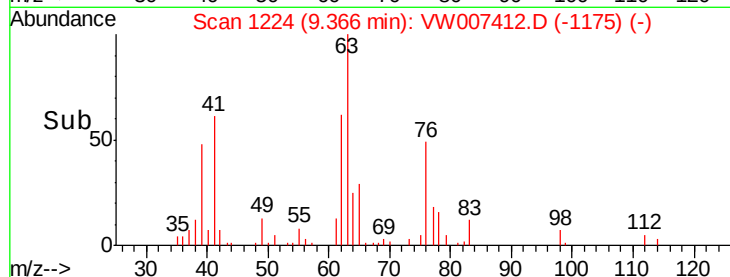
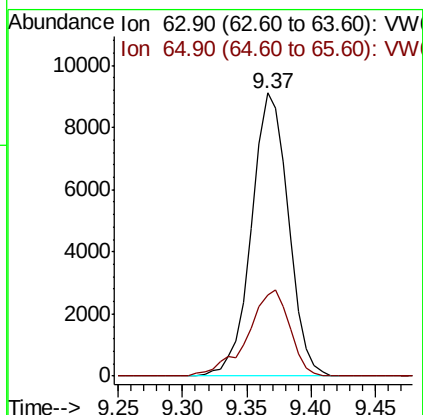
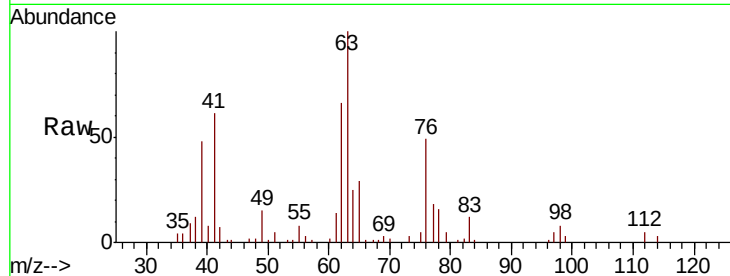




#45
 1,2-Dichloropropane
 Concen: 22.064 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

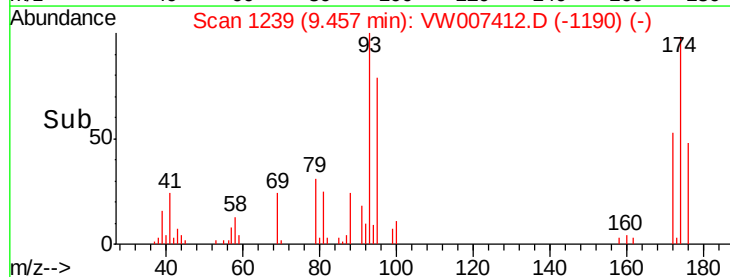
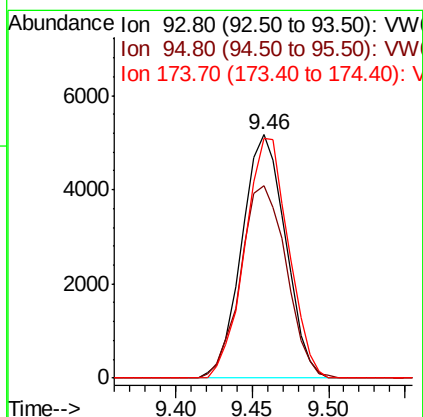
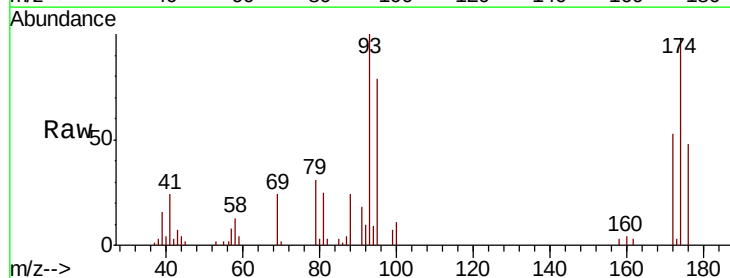
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1213SBS01

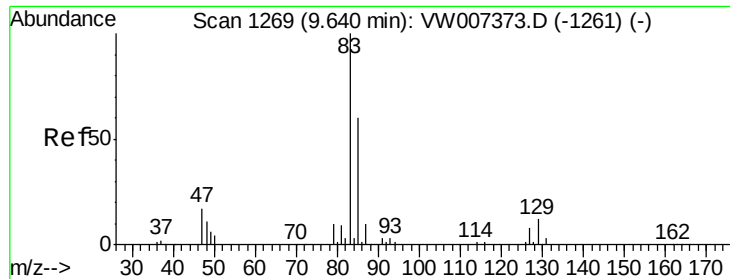
Tgt Ion: 63 Resp: 18045
 Ion Ratio Lower Upper
 63 100
 65 28.9 24.4 36.6



#46
 Dibromomethane
 Concen: 22.132 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

Tgt Ion: 93 Resp: 10279
 Ion Ratio Lower Upper
 93 100
 95 82.9 68.0 102.0
 174 98.3 83.2 124.8

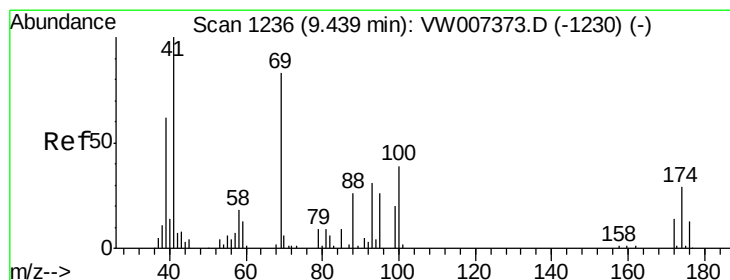
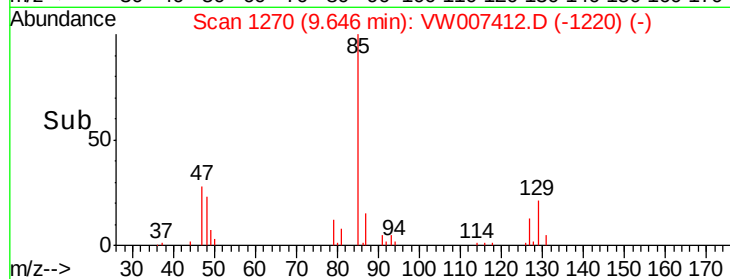
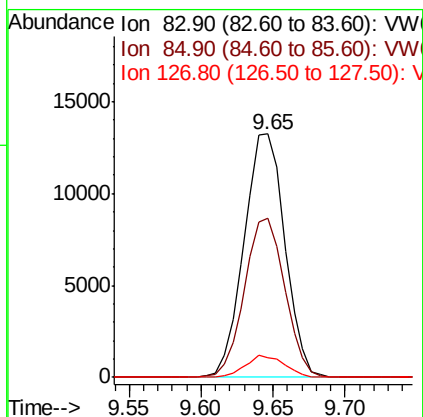
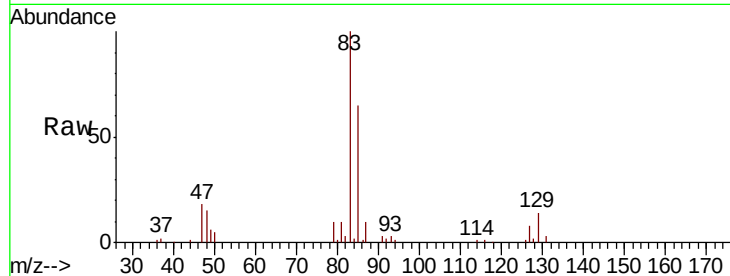




#47
Bromodichloromethane
Concen: 21.371 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

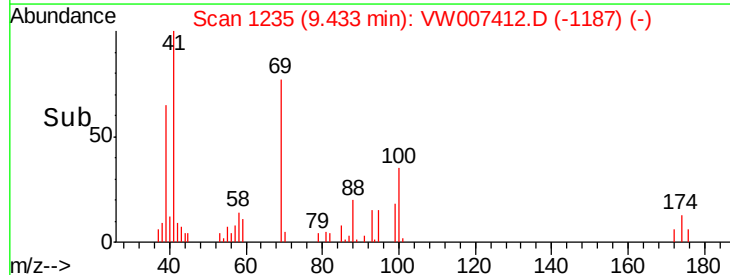
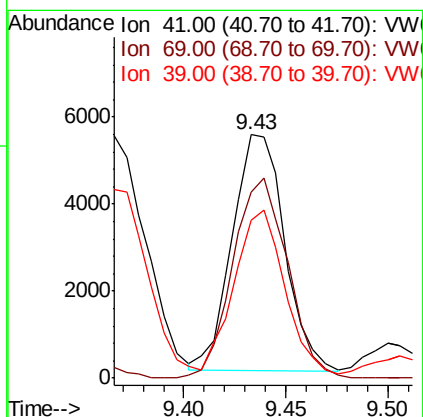
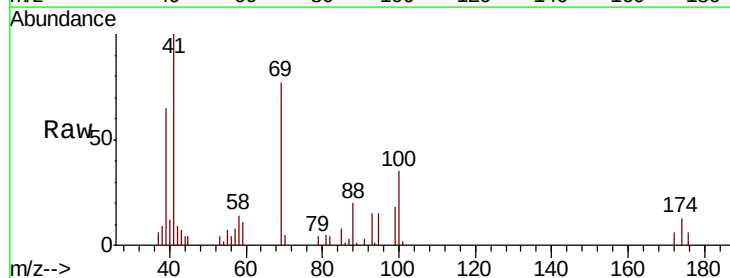
Instrument :
MSVOA_W
ClientSampleId :
VW1213SBS01

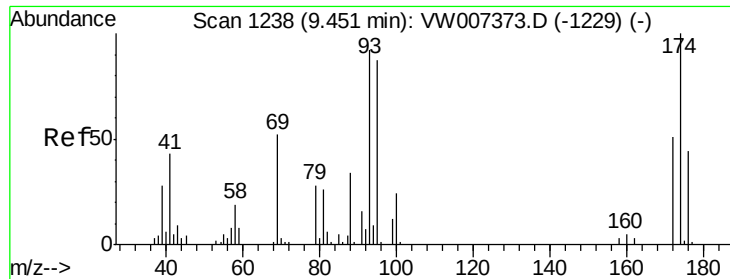
Tgt Ion: 83 Resp: 26035
Ion Ratio Lower Upper
83 100
85 65.4 47.6 71.4
127 8.2 6.7 10.1



#48
Methyl methacrylate
Concen: 20.181 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Tgt Ion: 41 Resp: 9697
Ion Ratio Lower Upper
41 100
69 88.3 69.8 104.8
39 70.1 50.9 76.3

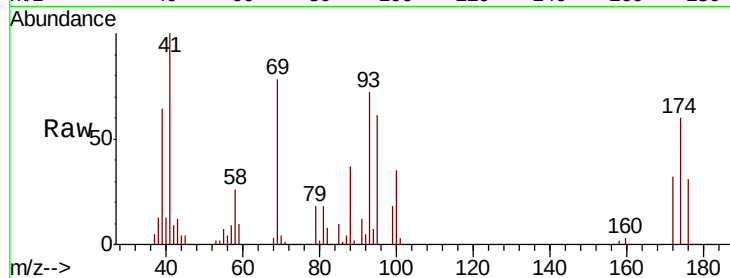




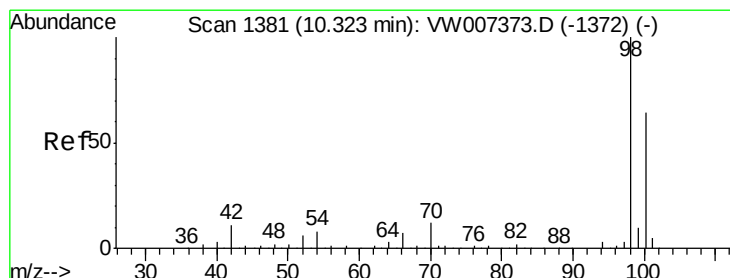
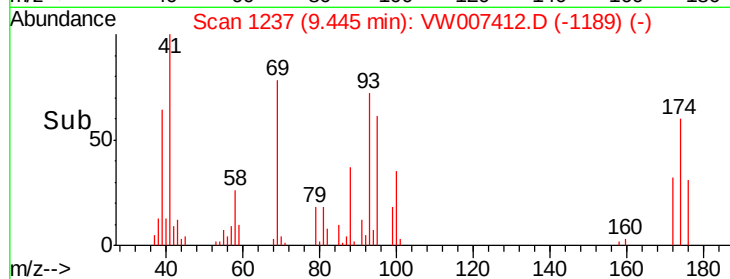
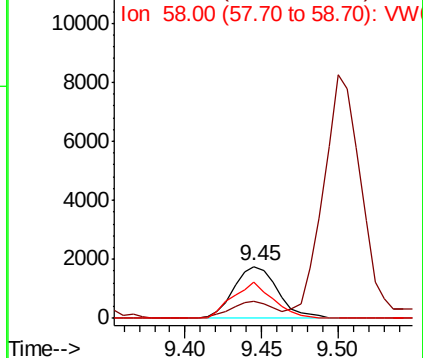
#49
1,4-Dioxane
Concen: 465.907 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Instrument :
MSVOA_W
ClientSampleId :
VW1213SBS01

Tgt Ion: 88 Resp: 3511
Ion Ratio Lower Upper
88 100
43 31.9 25.0 37.4
58 63.6 51.4 77.2

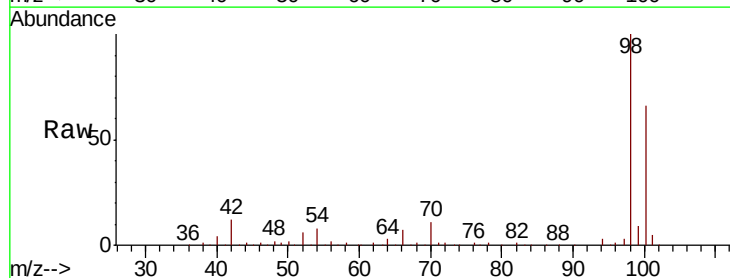


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

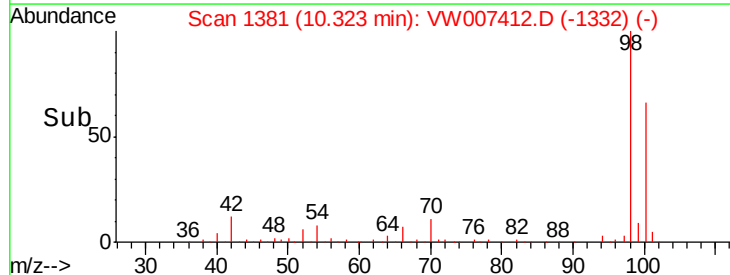
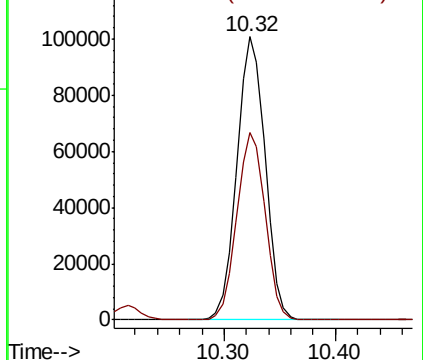


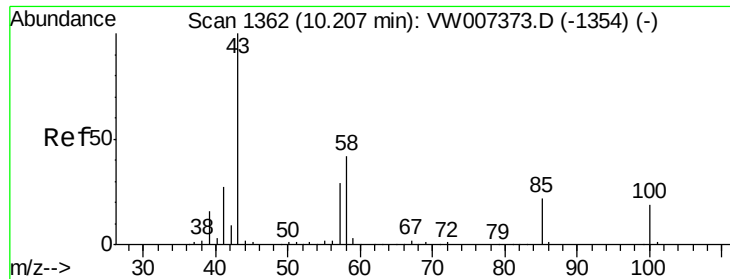
#50
Toluene-d8
Concen: 55.780 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Tgt Ion: 98 Resp: 176737
Ion Ratio Lower Upper
98 100
100 66.5 51.8 77.8



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

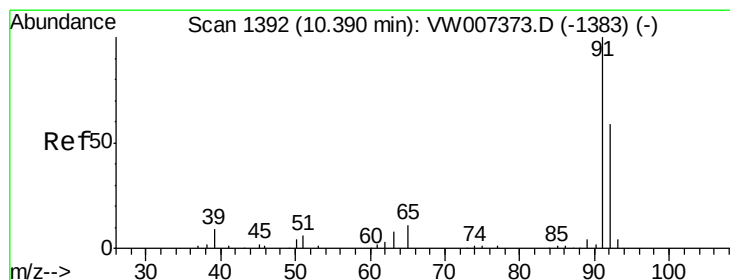
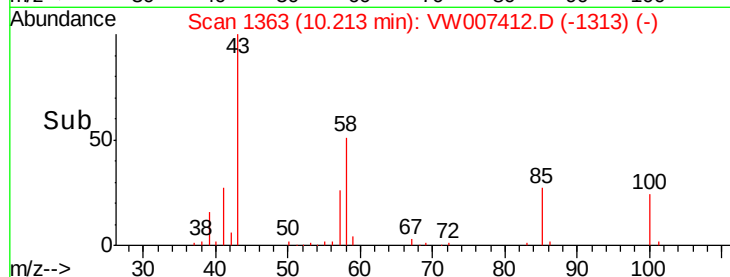
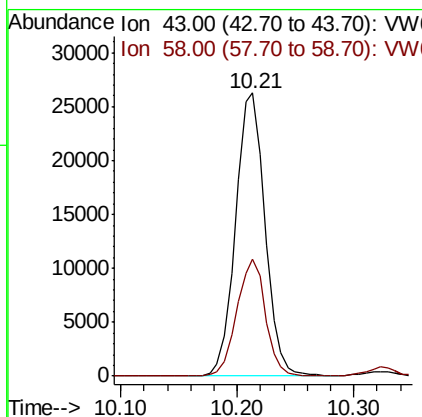
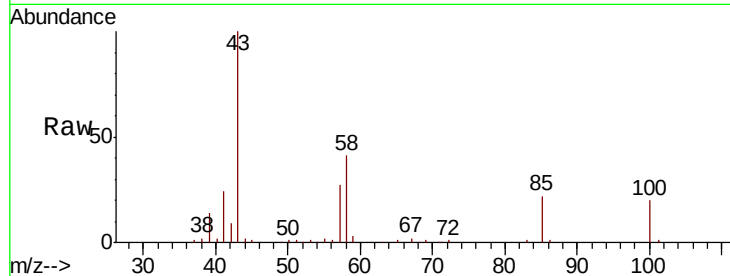




#51
 4-Methyl-2-Pentanone
 Concen: 104.815 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

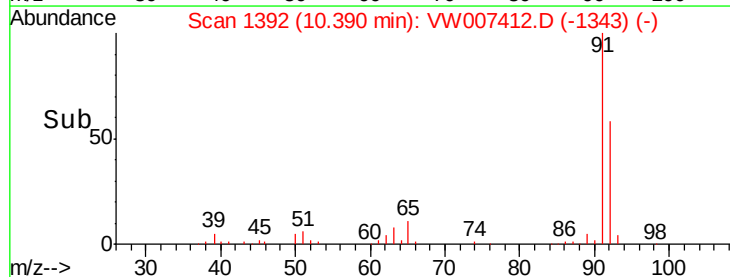
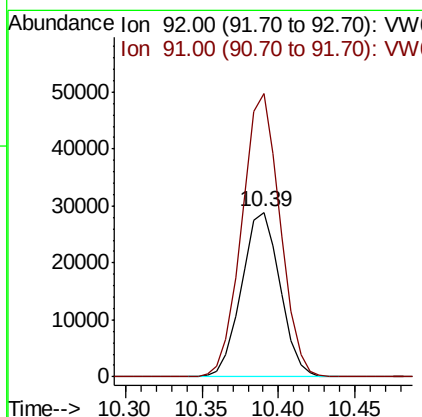
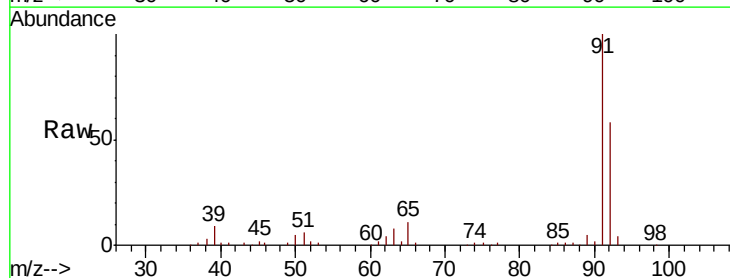
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1213SBS01

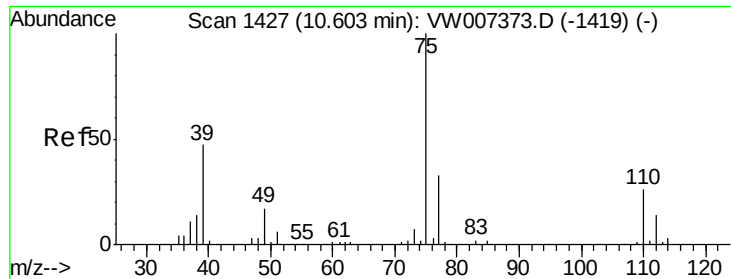
Tgt Ion: 43 Resp: 46336
 Ion Ratio Lower Upper
 43 100
 58 40.2 33.1 49.7



#52
 Toluene
 Concen: 22.106 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

Tgt Ion: 92 Resp: 50558
 Ion Ratio Lower Upper
 92 100
 91 170.2 136.2 204.2





#53

t-1,3-Dichloropropene

Concen: 21.681 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

Instrument :

MSVOA_W

ClientSampleId :

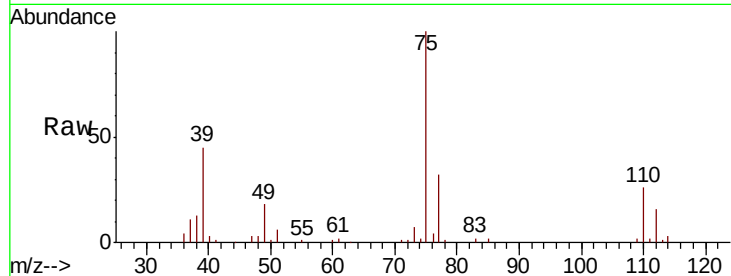
VW1213SBS01

Tgt Ion: 75 Resp: 25642

Ion Ratio Lower Upper

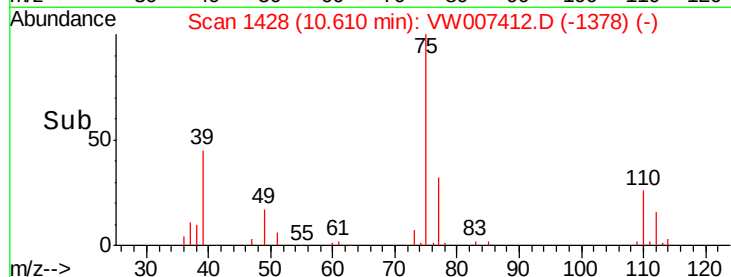
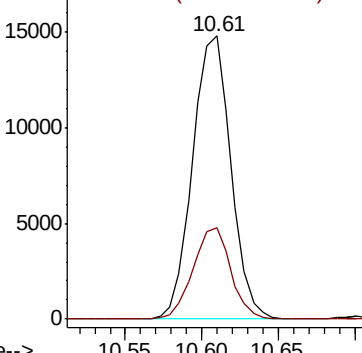
75 100

77 32.3 26.2 39.4

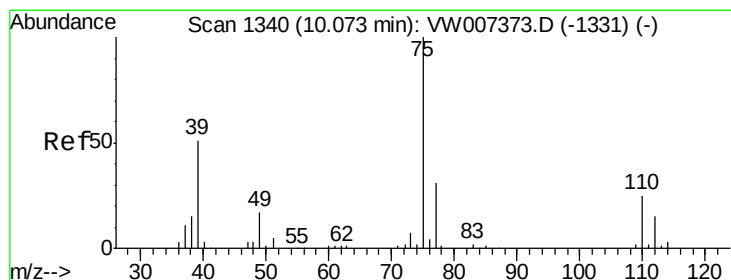


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



Time-->



#54

cis-1,3-Dichloropropene

Concen: 21.414 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

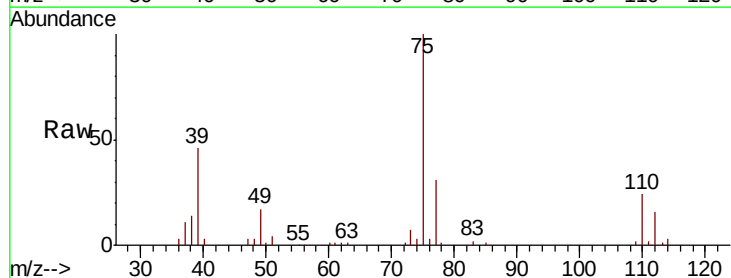
Tgt Ion: 75 Resp: 29277

Ion Ratio Lower Upper

75 100

77 30.5 24.8 37.2

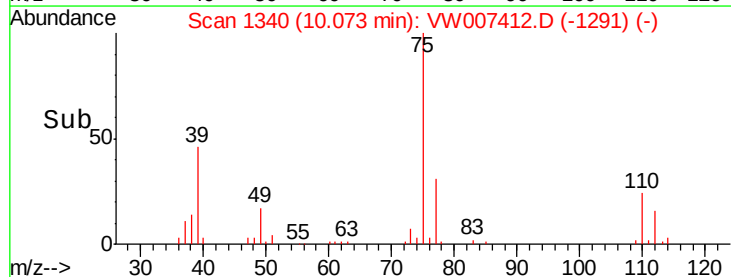
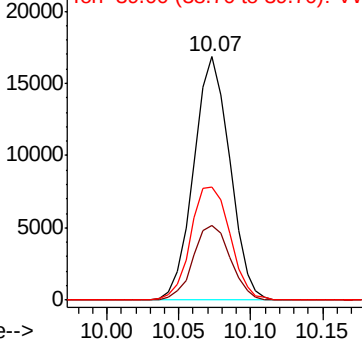
39 46.4 40.9 61.3



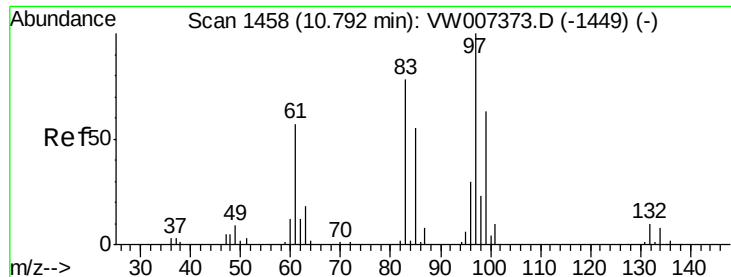
Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW



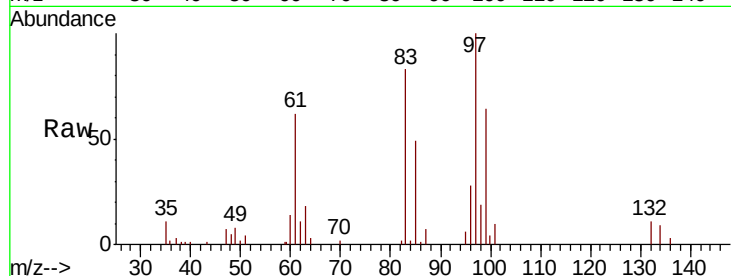
Time-->



#55
 1,1,2-Trichloroethane
 Concen: 22.553 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1213SBS01

Tgt Ion:	97	Resp:	14256
Ion	Ratio	Lower	Upper
97	100		
83	83.5	62.1	93.1
85	48.6	44.2	66.4
99	64.0	50.2	75.4



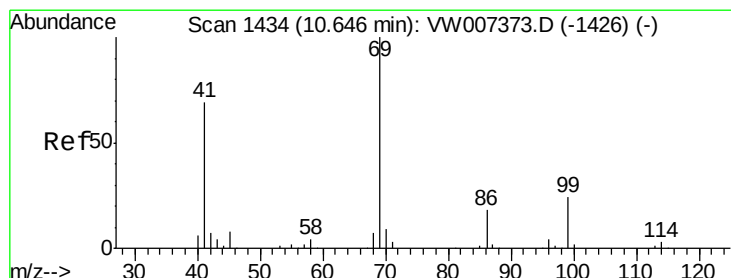
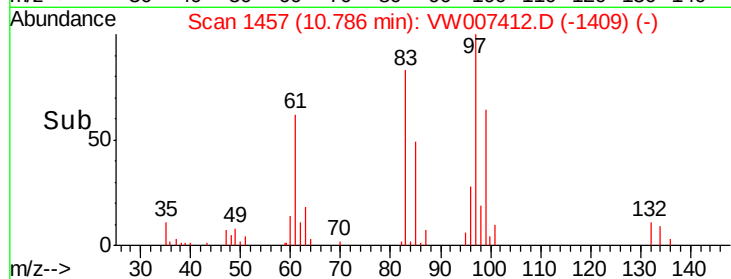
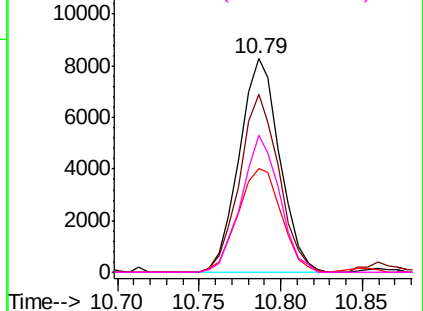
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

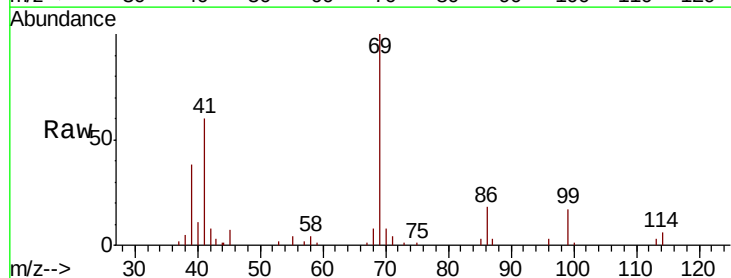
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 21.695 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

Tgt Ion:	69	Resp:	16483
Ion	Ratio	Lower	Upper
69	100		
41	64.4	51.0	76.6
39	36.7	30.8	46.2

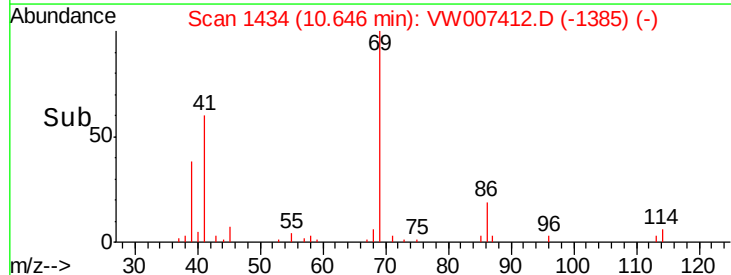
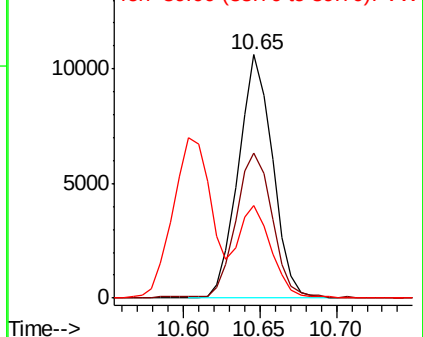


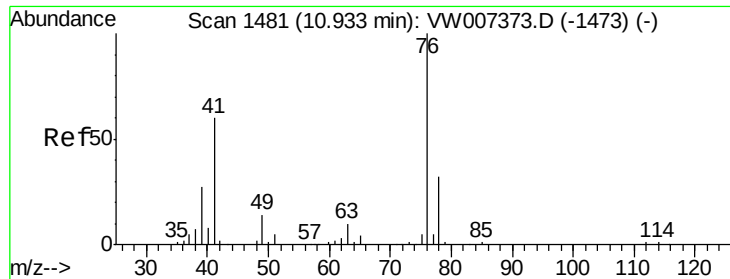
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

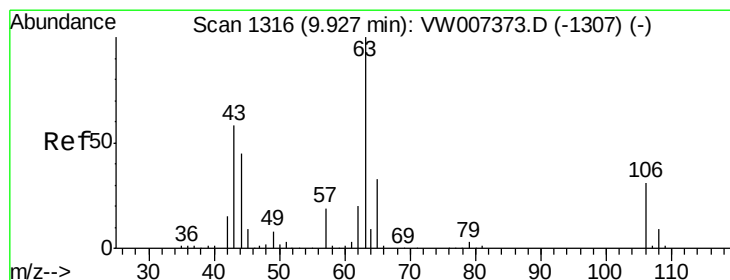
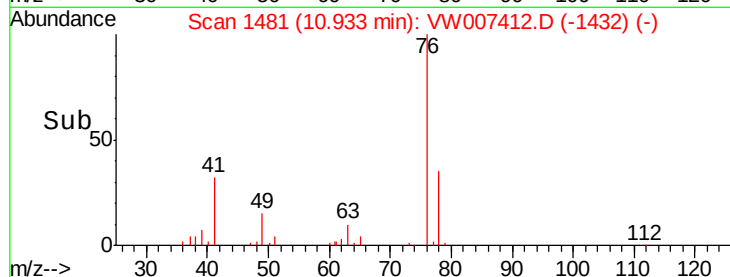
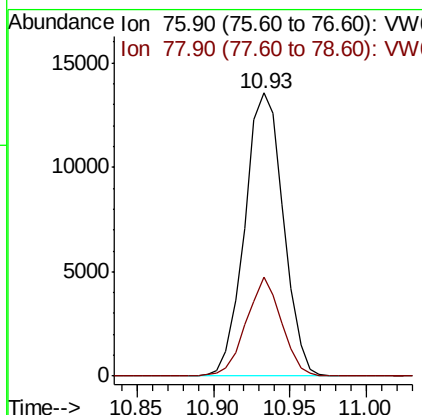
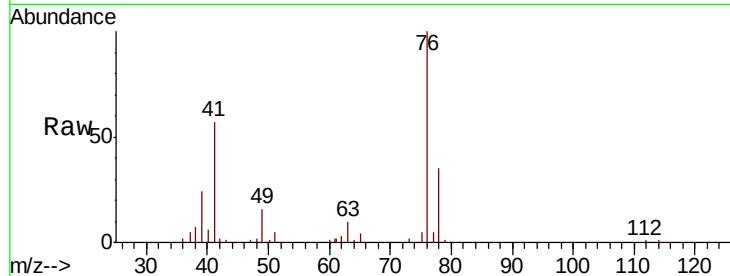




#57
 1,3-Dichloropropane
 Concen: 22.967 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

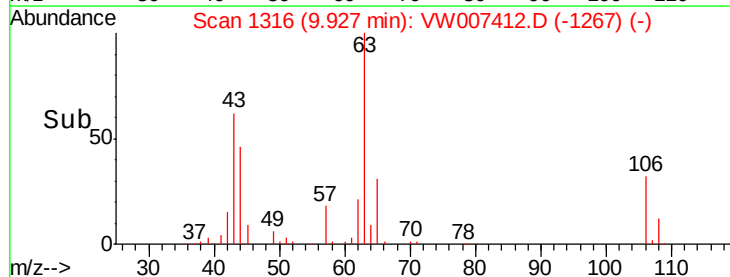
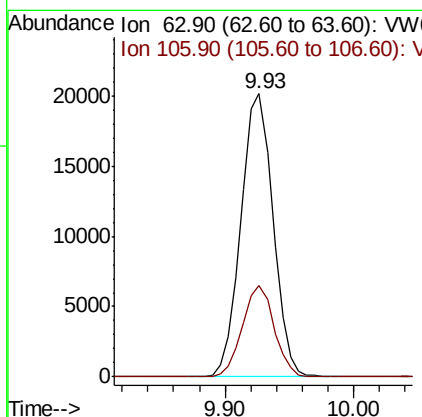
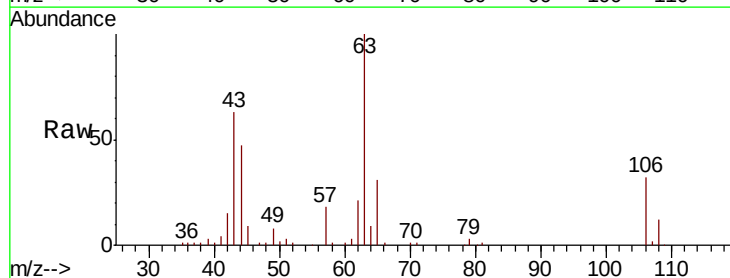
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1213SBS01

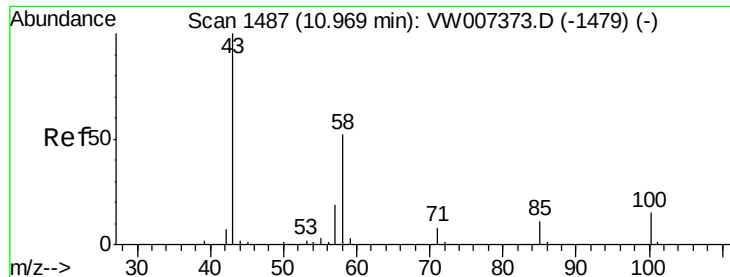
Tgt Ion: 76 Resp: 23828
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.206 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

Tgt Ion: 63 Resp: 34758
 Ion Ratio Lower Upper
 63 100
 106 31.8 25.0 37.6

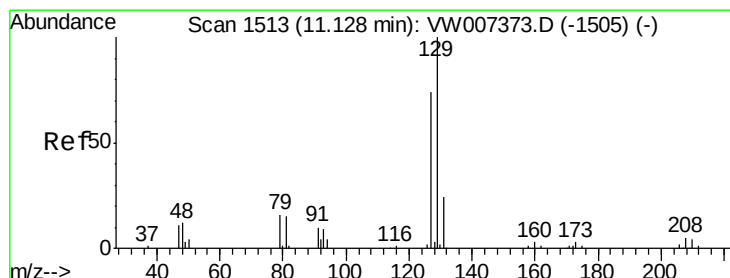
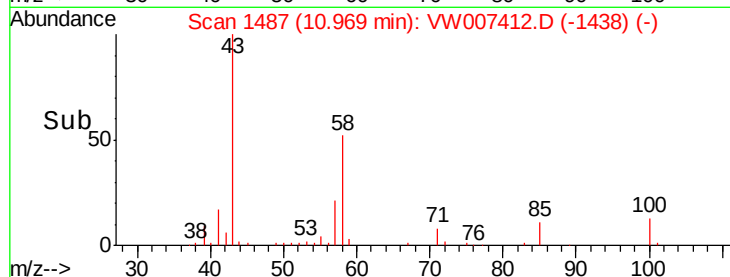
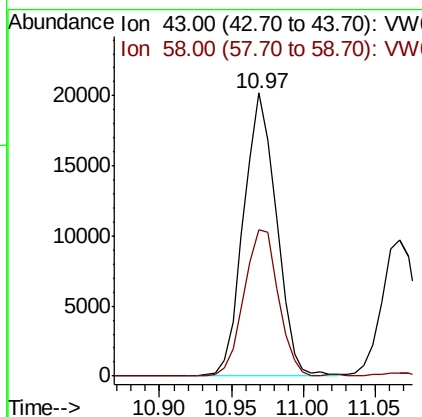
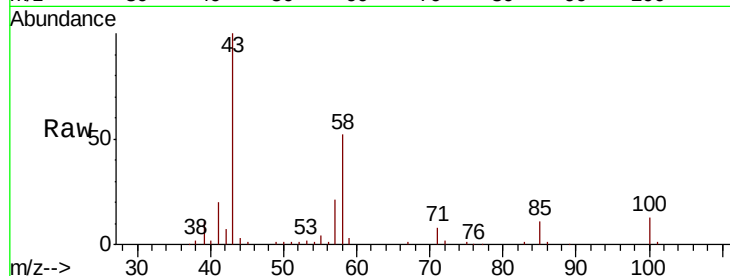




#59
2-Hexanone
Concen: 108.516 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

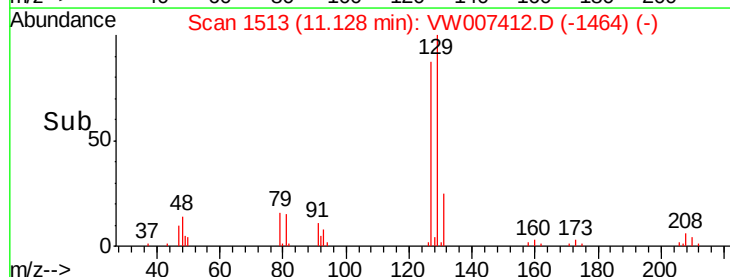
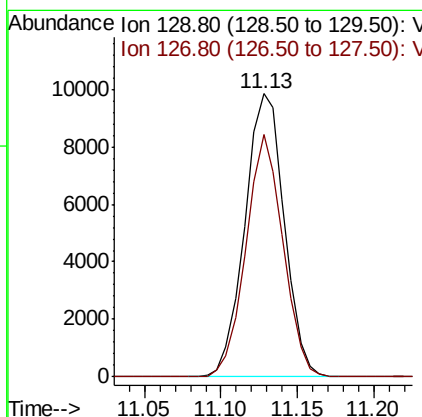
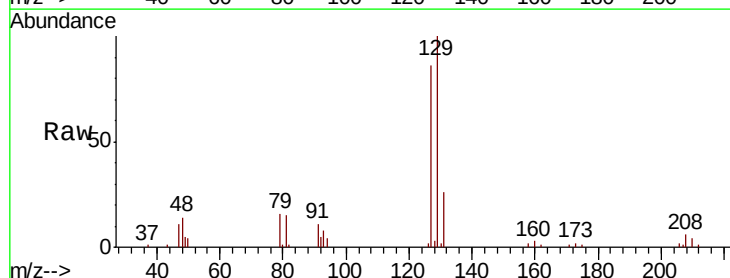
Instrument :
MSVOA_W
ClientSampleId :
VW1213SBS01

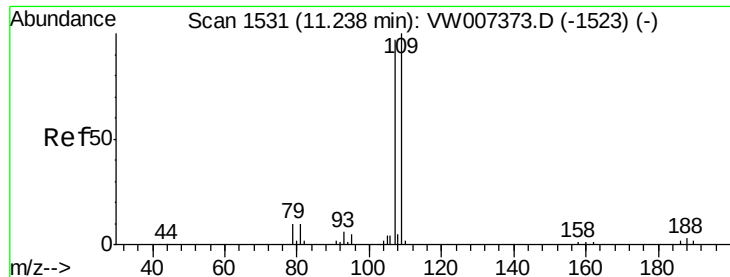
Tgt Ion: 43 Resp: 31988
Ion Ratio Lower Upper
43 100
58 53.9 27.1 81.3



#60
Dibromochloromethane
Concen: 22.081 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Tgt Ion: 129 Resp: 17614
Ion Ratio Lower Upper
129 100
127 80.3 38.1 114.3

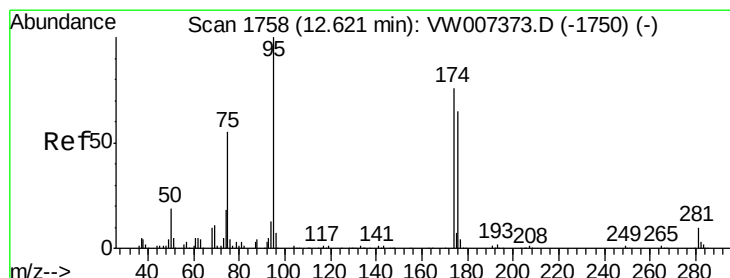
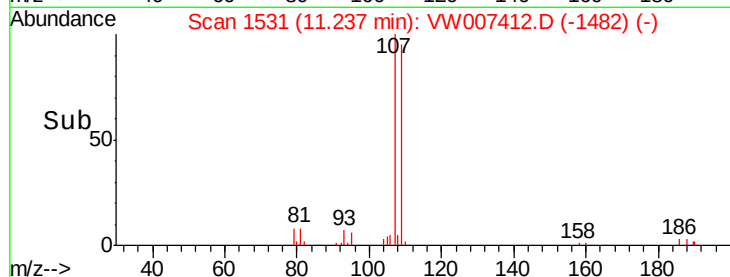
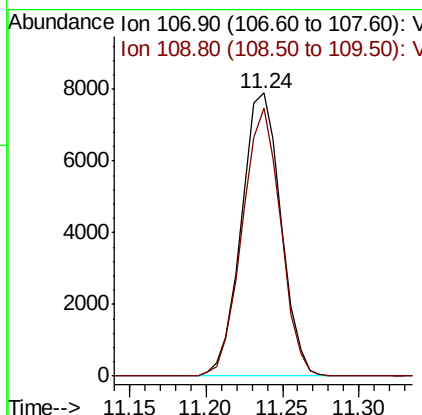
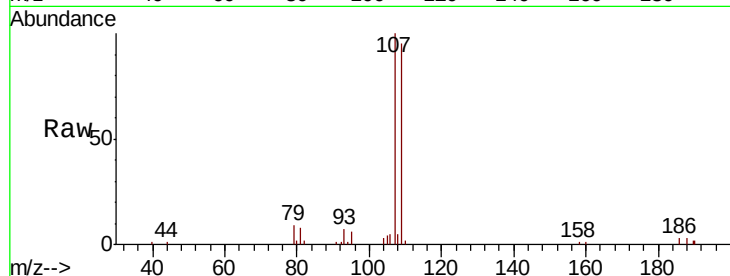




#61
 1,2-Dibromoethane
 Concen: 22.708 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

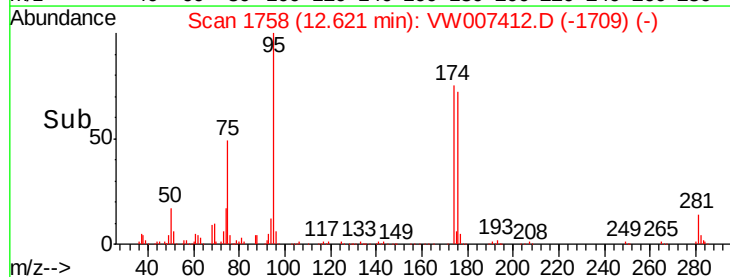
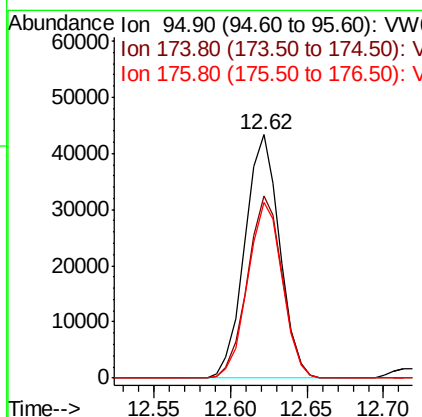
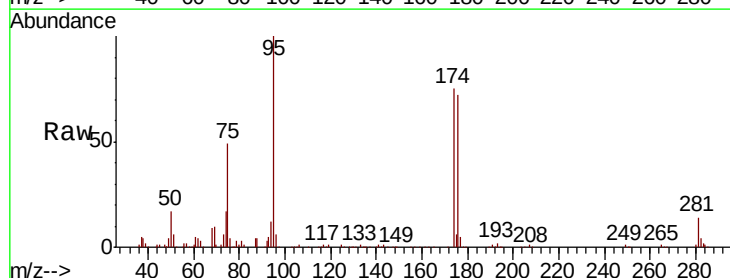
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1213SBS01

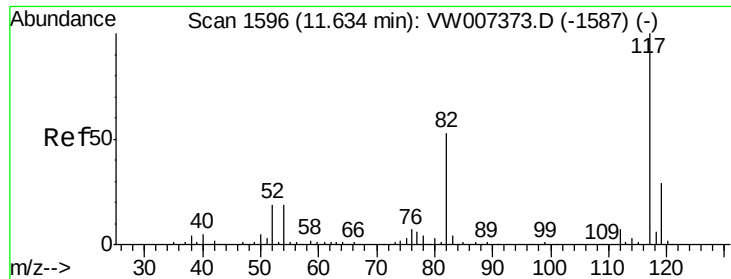
Tgt Ion: 107 Resp: 14185
 Ion Ratio Lower Upper
 107 100
 109 92.1 79.1 118.7



#62
 4-Bromofluorobenzene
 Concen: 58.729 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

Tgt Ion: 95 Resp: 68418
 Ion Ratio Lower Upper
 95 100
 174 75.1 0.0 147.2
 176 72.1 0.0 138.8

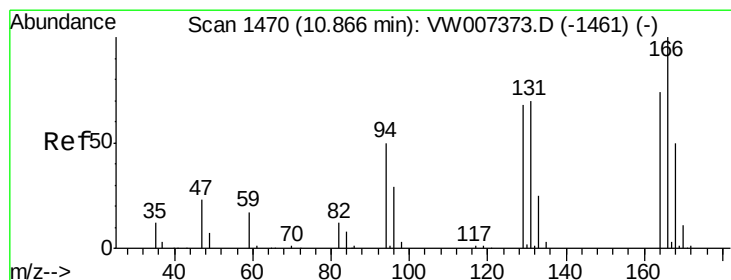
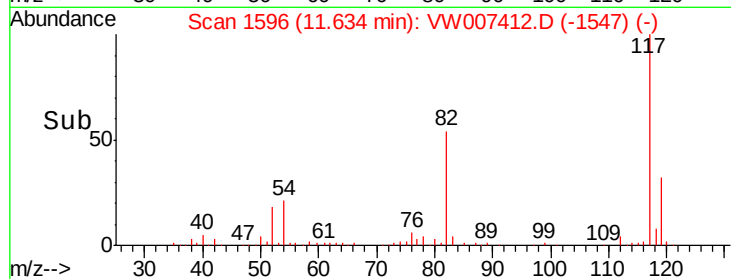
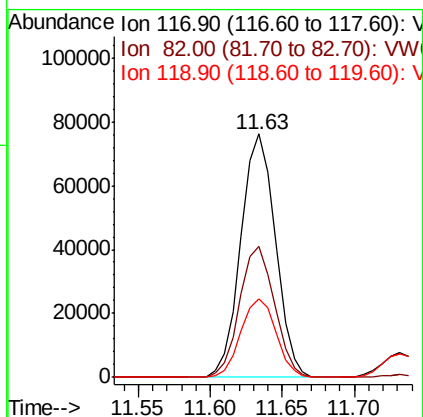
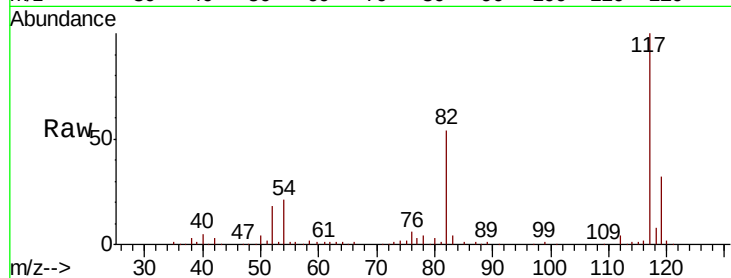




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

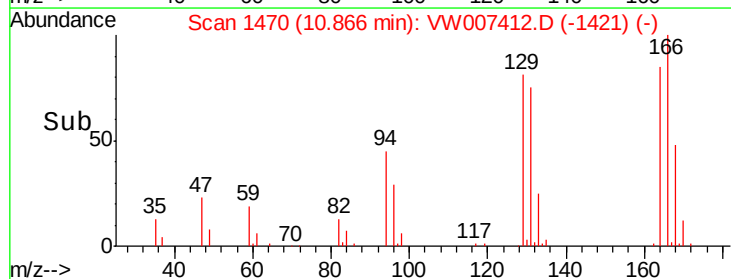
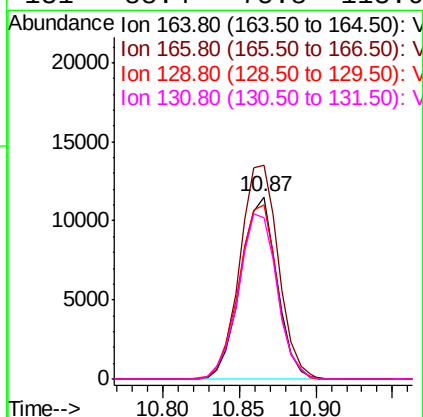
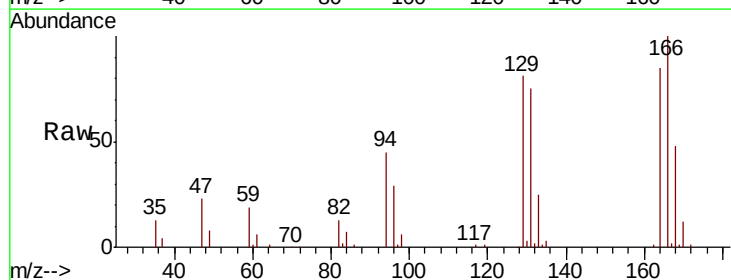
Instrument :
MSVOA_W
ClientSampleId :
VW1213SBS01

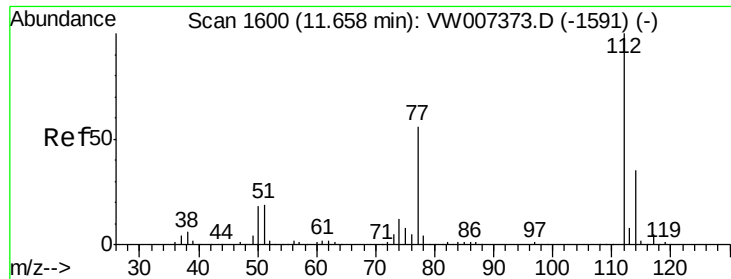
Tgt Ion:117 Resp: 127075
Ion Ratio Lower Upper
117 100
82 53.6 42.3 63.5
119 32.3 23.0 34.6



#64
Tetrachloroethene
Concen: 20.746 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Tgt Ion:164 Resp: 18958
Ion Ratio Lower Upper
164 100
166 117.3 107.9 161.9
129 95.6 73.4 110.2
131 88.4 75.8 113.6

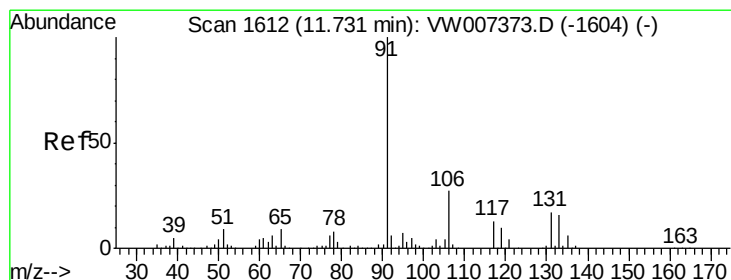
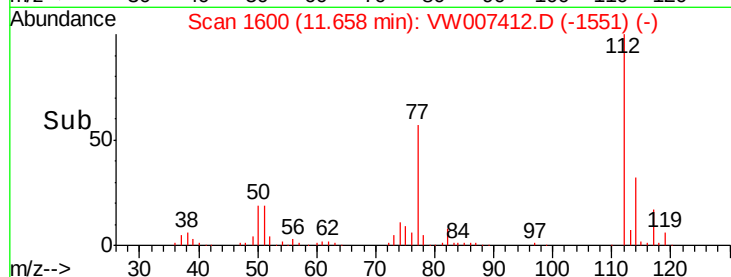
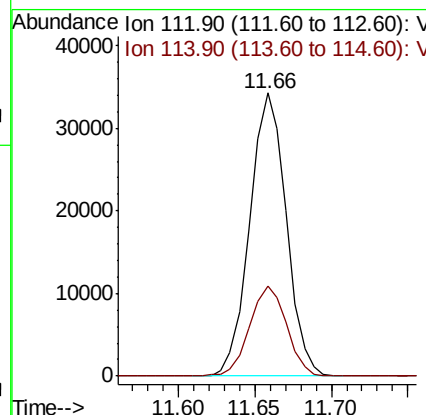
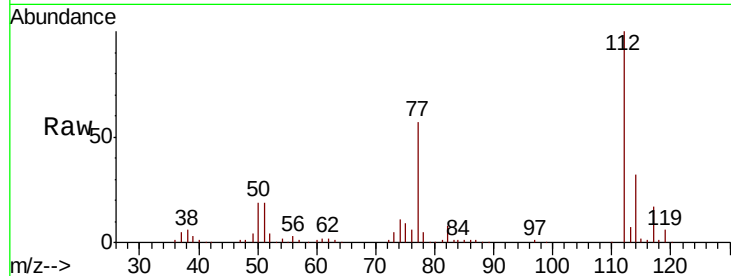




#65
Chlorobenzene
Concen: 21.485 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

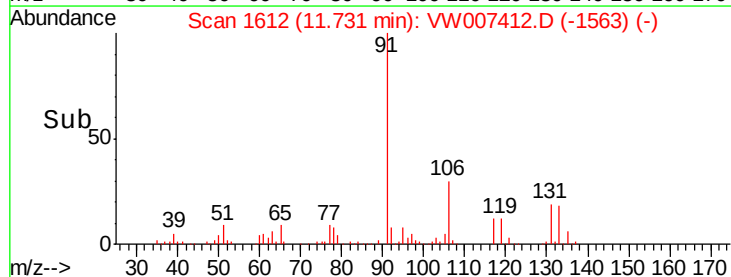
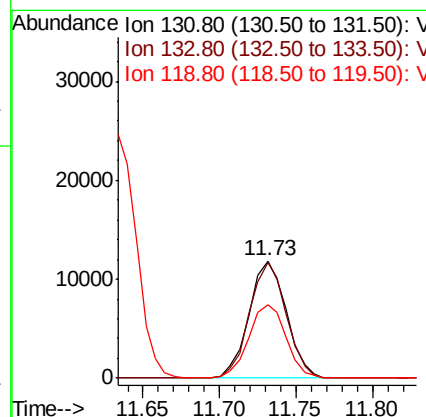
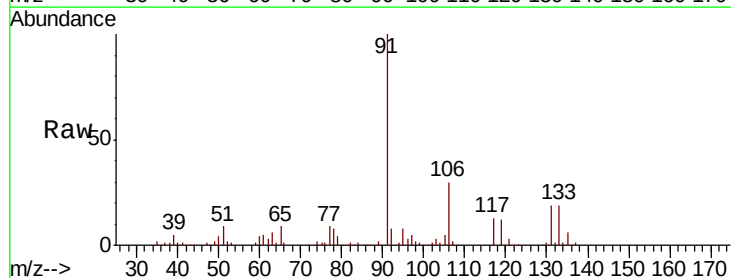
Instrument :
MSVOA_W
ClientSampleId :
VW1213SBS01

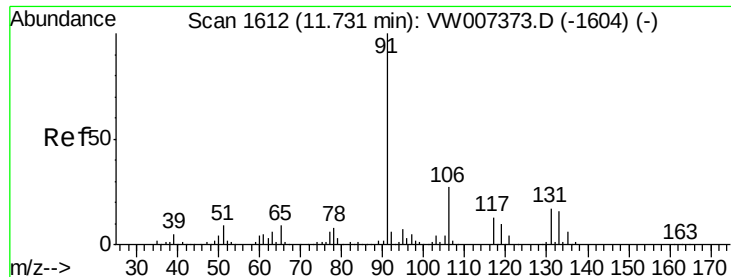
Tgt Ion:112 Resp: 56905
Ion Ratio Lower Upper
112 100
114 31.8 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.551 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Tgt Ion:131 Resp: 20104
Ion Ratio Lower Upper
131 100
133 97.0 47.1 141.4
119 62.8 31.3 93.9

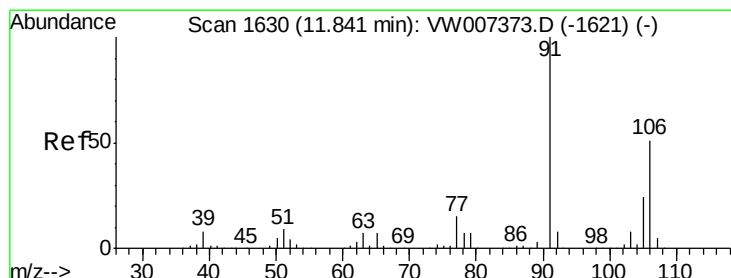
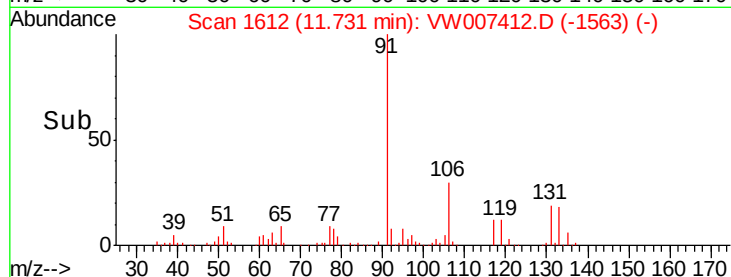
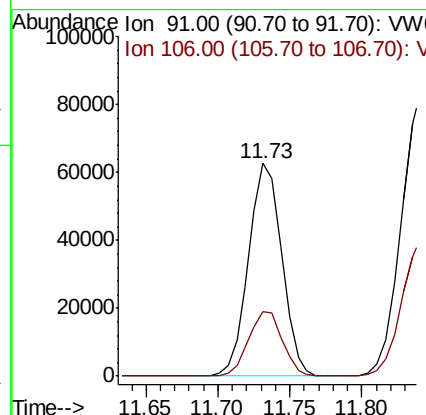
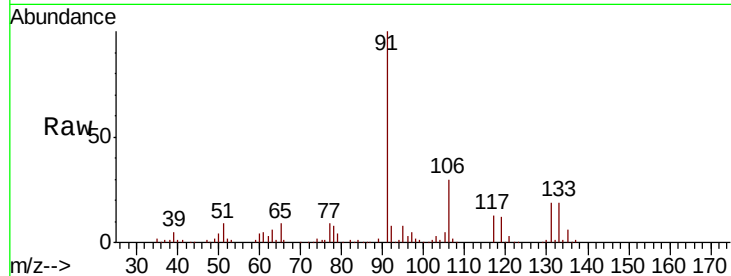




#67
Ethyl Benzene
Concen: 22.033 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

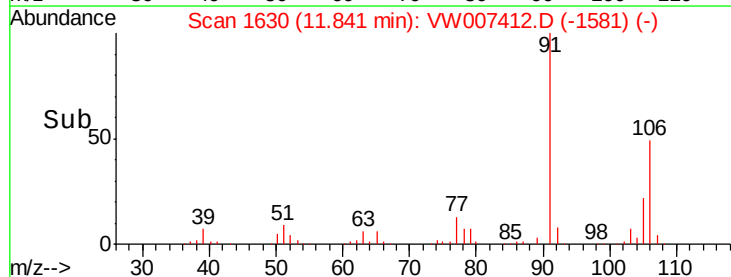
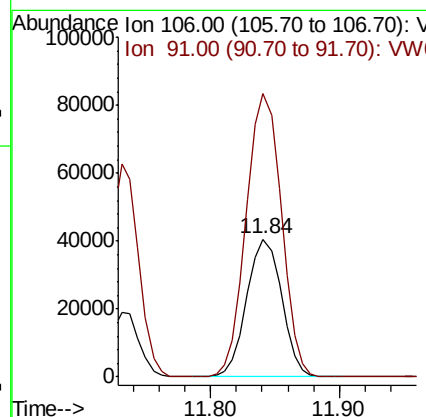
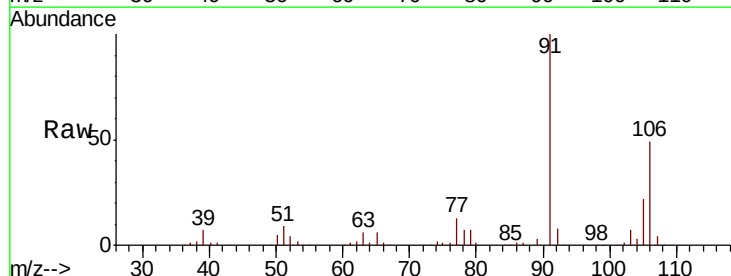
Instrument :
MSVOA_W
ClientSampleId :
VW1213SBS01

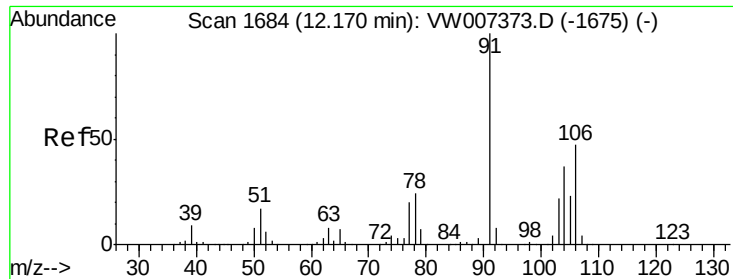
Tgt Ion: 91 Resp: 100334
Ion Ratio Lower Upper
91 100
106 30.4 21.8 32.8



#68
m/p-Xylenes
Concen: 43.221 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Tgt Ion: 106 Resp: 76514
Ion Ratio Lower Upper
106 100
91 206.9 165.3 247.9

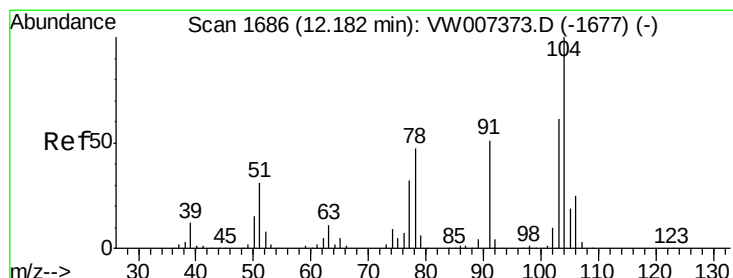
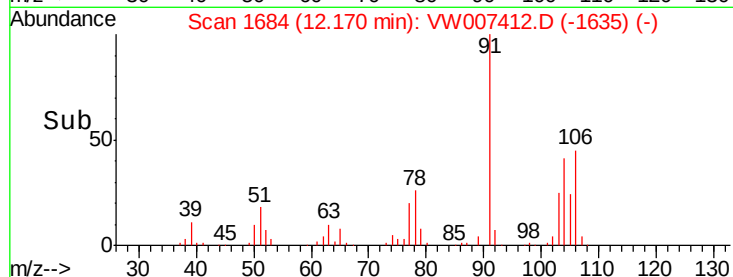
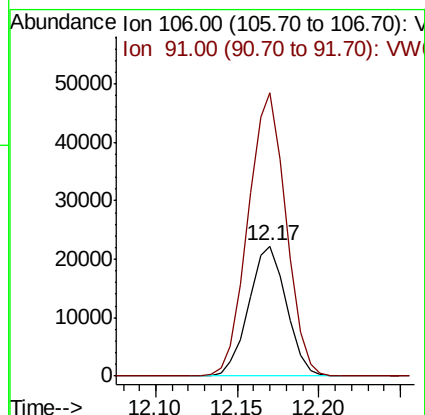
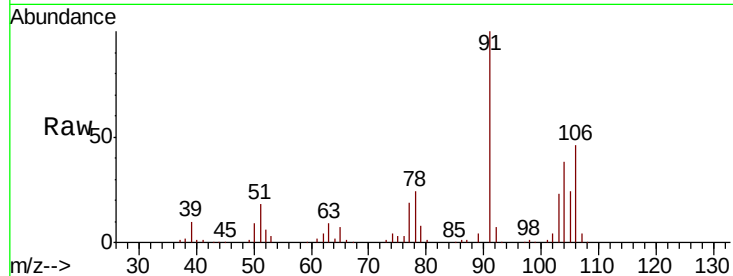




#69
o-Xylene
Concen: 21.542 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

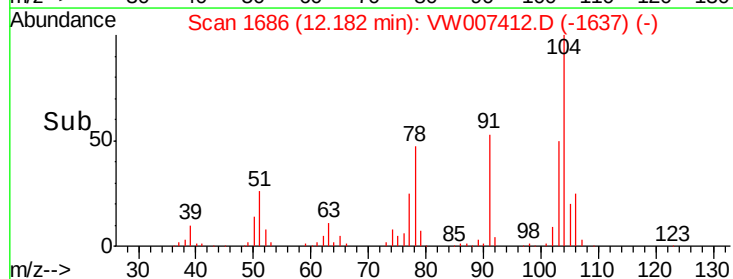
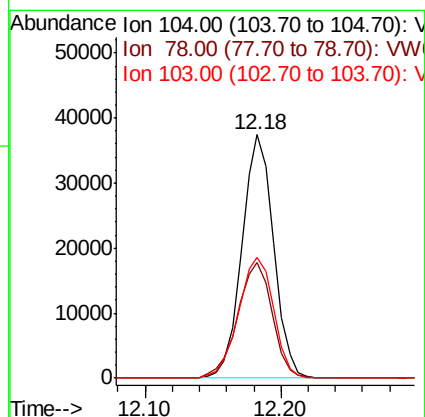
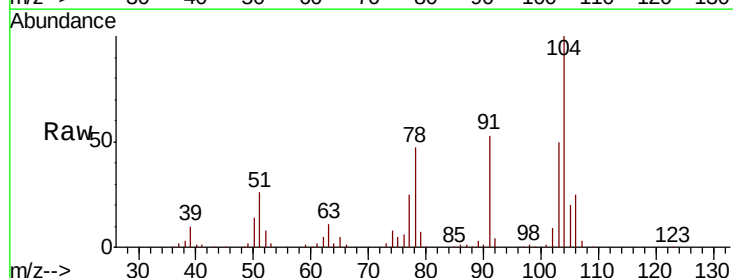
Instrument :
MSVOA_W
ClientSampleId :
VW1213SBS01

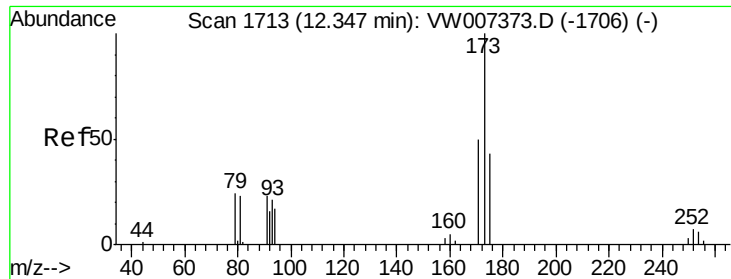
Tgt Ion:106 Resp: 35617
Ion Ratio Lower Upper
106 100
91 220.2 106.6 319.8



#70
Styrene
Concen: 22.748 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Tgt Ion:104 Resp: 60748
Ion Ratio Lower Upper
104 100
78 51.9 41.8 62.8
103 55.3 46.6 69.8

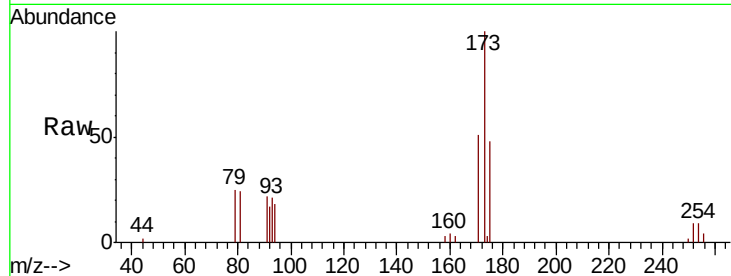




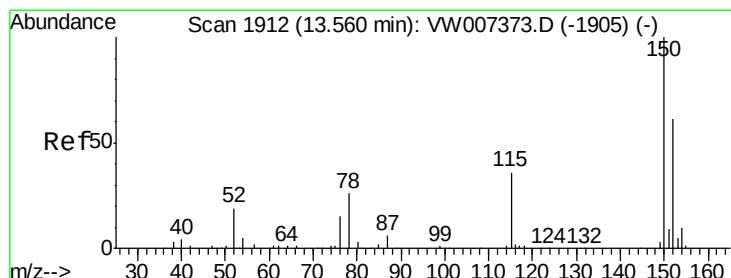
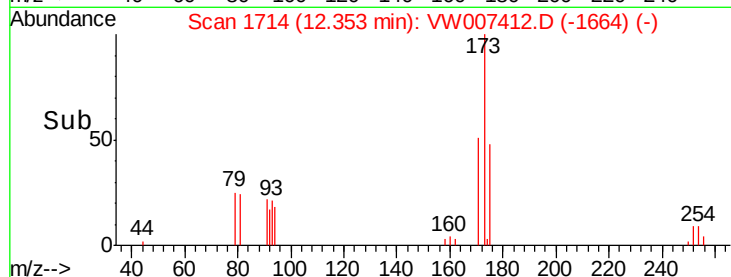
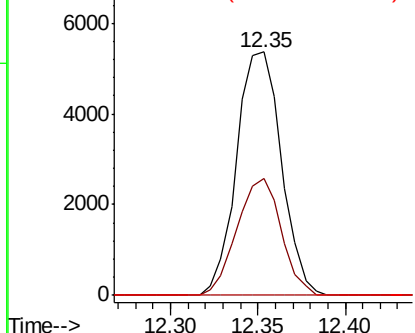
#71
Bromoform
Concen: 20.125 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Instrument :
MSVOA_W
ClientSampleId :
VW1213SBS01

Tgt Ion:173 Resp: 9609
Ion Ratio Lower Upper
173 100
175 47.3 23.6 70.8
254 0.0 0.0 0.0

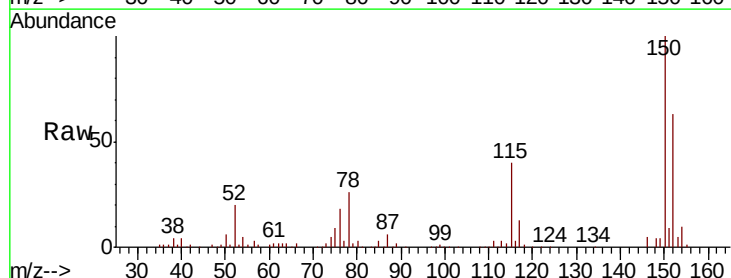


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

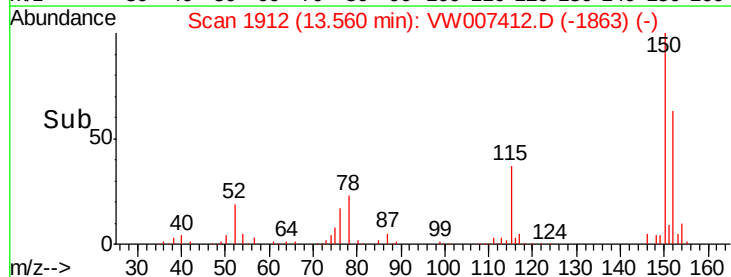
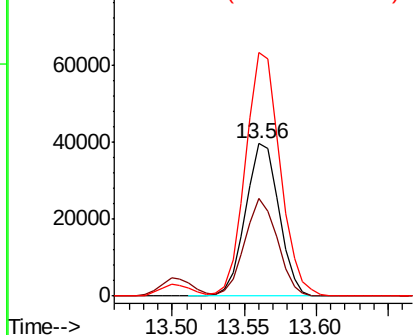


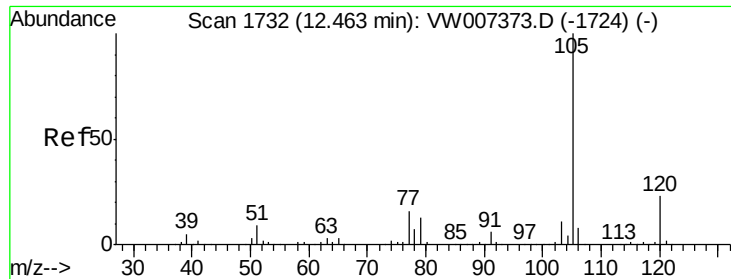
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Tgt Ion:152 Resp: 63632
Ion Ratio Lower Upper
152 100
115 62.3 31.4 94.2
150 164.6 0.0 358.4



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: 20.395 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

Instrument :

MSVOA_W

ClientSampleId :

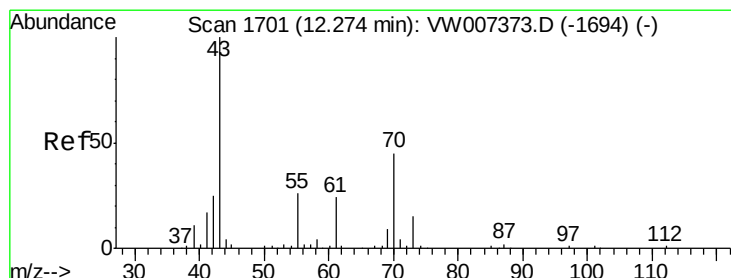
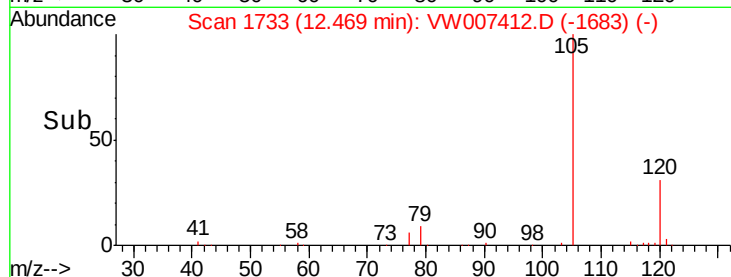
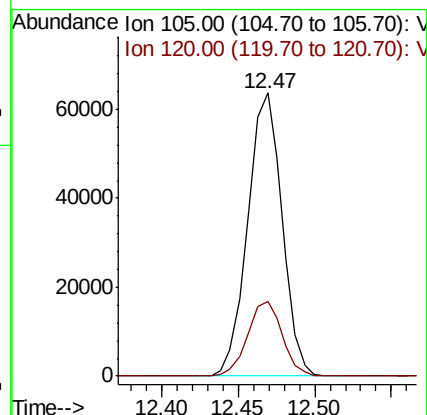
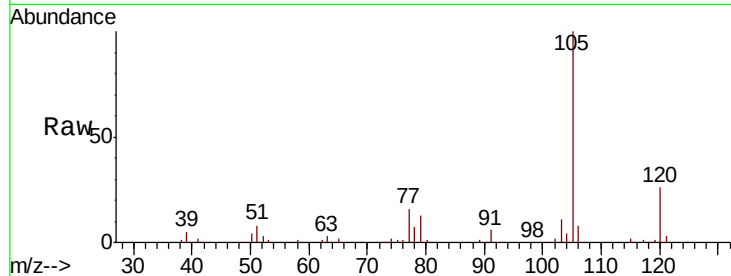
VW1213SBS01

Tgt Ion: 105 Resp: 99441

Ion Ratio Lower Upper

105 100

120 26.4 12.8 38.4



#74

N-ethyl acetate

Concen: 20.437 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

Tgt Ion: 43 Resp: 18110

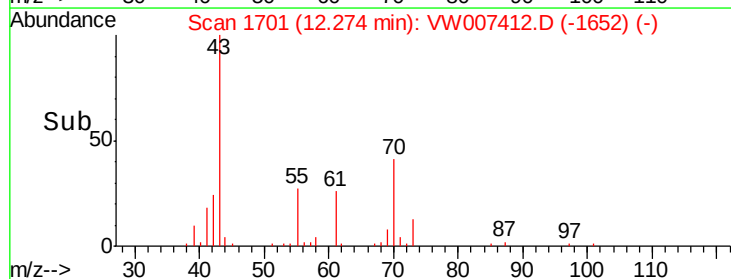
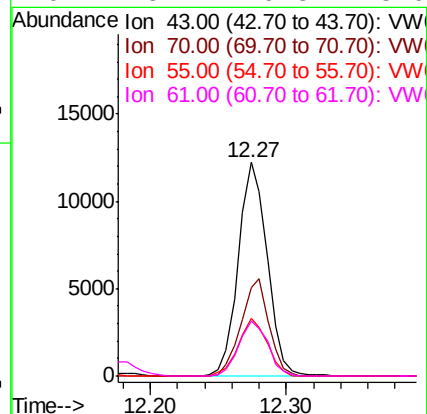
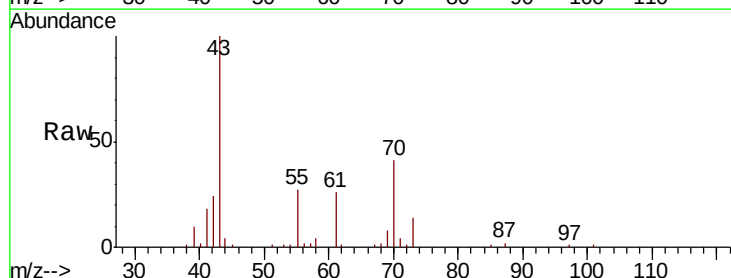
Ion Ratio Lower Upper

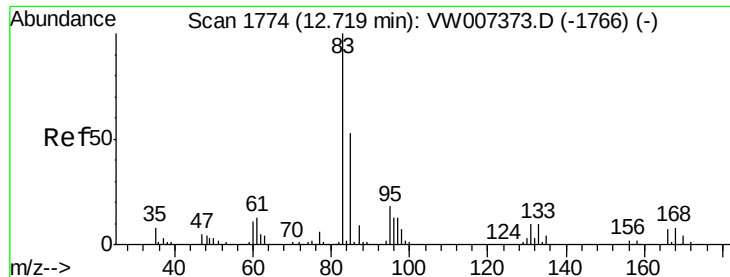
43 100

70 43.7 36.5 54.7

55 26.7 20.1 30.1

61 25.7 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.472 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

Instrument :

MSVOA_W

ClientSampleId :

VW1213SBS01

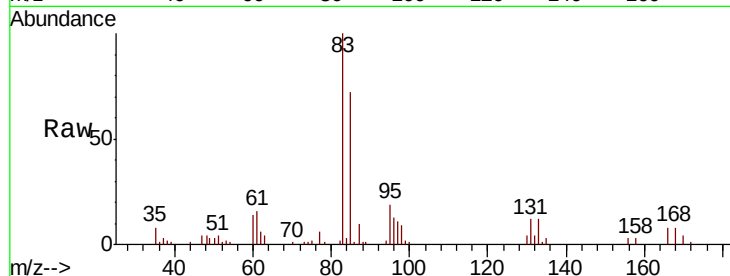
Tgt Ion: 83 Resp: 14784

Ion Ratio Lower Upper

83 100

131 13.4 5.9 17.8

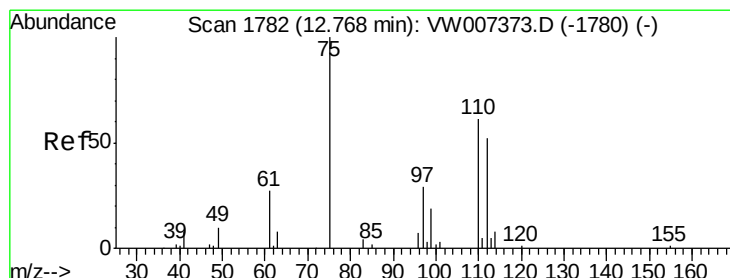
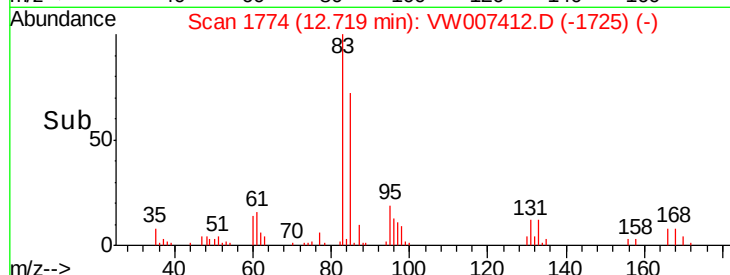
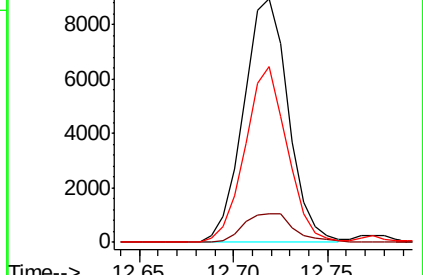
85 67.8 30.0 90.0



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: 40.052 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW007412.D

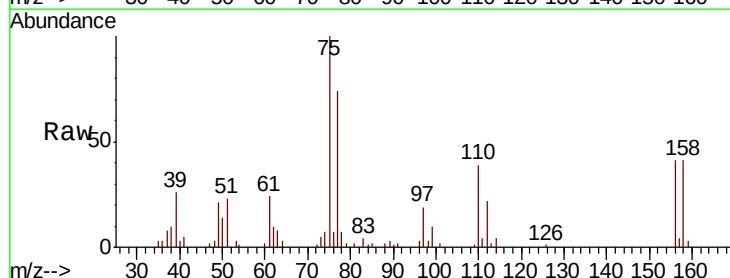
Acq: 12 Dec 2018 00:29

Tgt Ion: 75 Resp: 21014

Ion Ratio Lower Upper

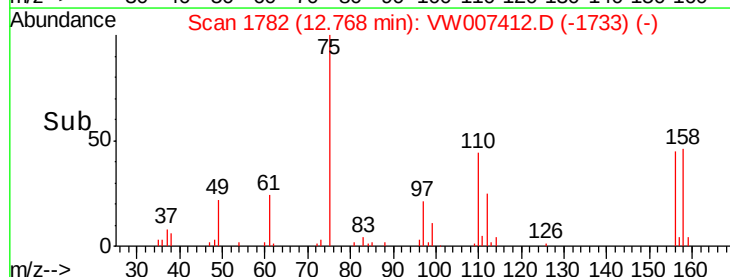
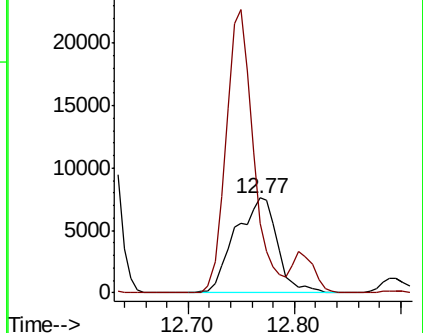
75 100

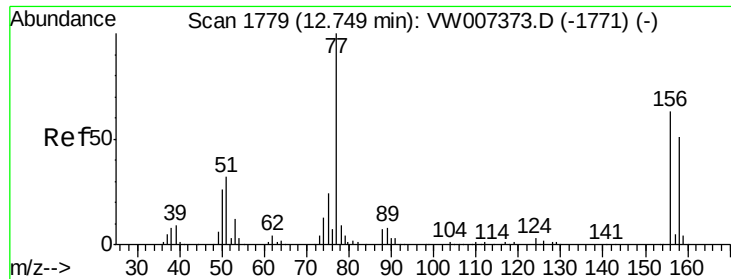
77 196.4 166.9 500.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.146 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

Instrument :

MSVOA_W

ClientSampleId :

VW1213SBS01

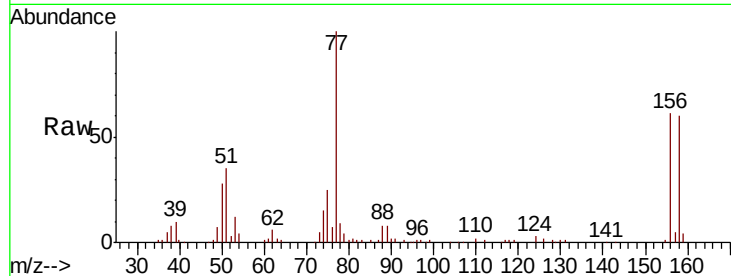
Tgt Ion: 156 Resp: 22854

Ion Ratio Lower Upper

156 100

77 180.6 88.1 264.4

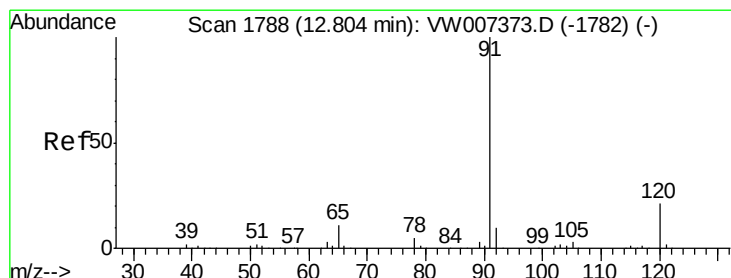
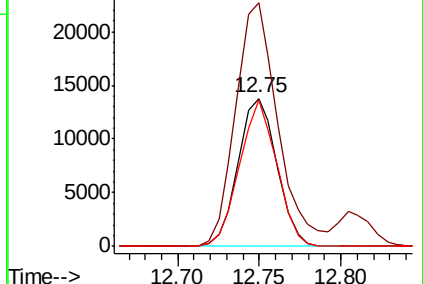
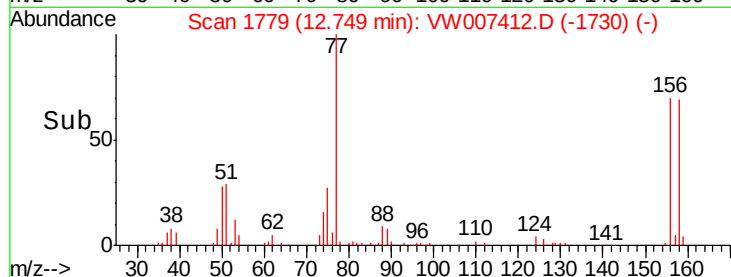
158 94.6 45.6 136.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.548 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW007412.D

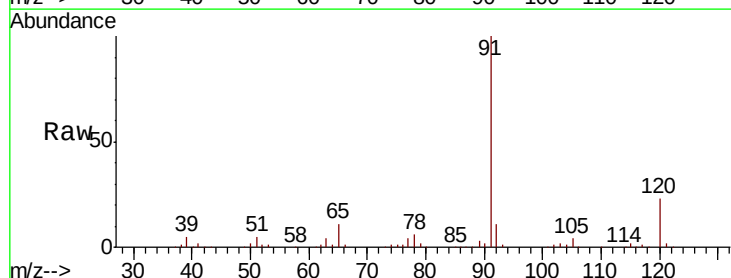
Acq: 12 Dec 2018 00:29

Tgt Ion: 91 Resp: 118236

Ion Ratio Lower Upper

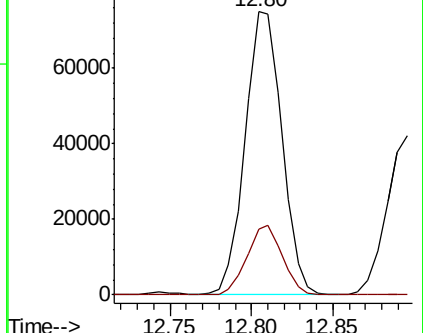
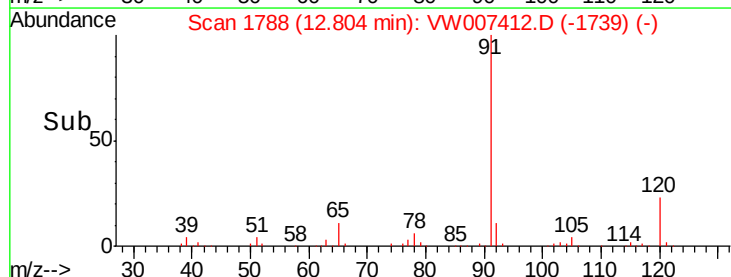
91 100

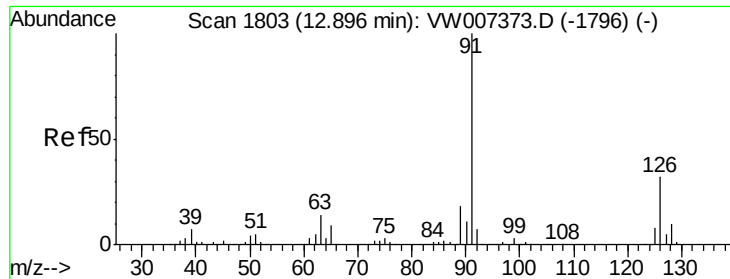
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.531 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

Instrument :

MSVOA_W

ClientSampleId :

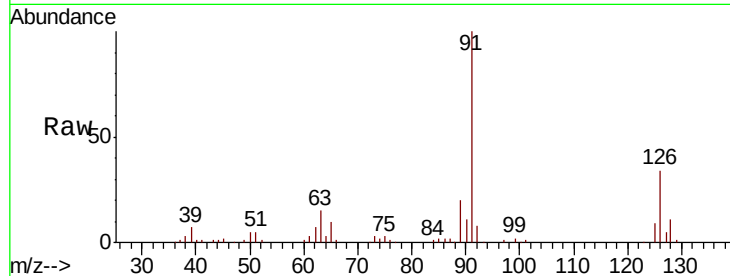
VW1213SBS01

Tgt Ion: 91 Resp: 68165

Ion Ratio Lower Upper

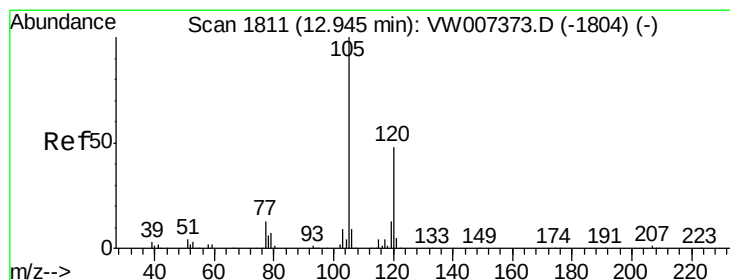
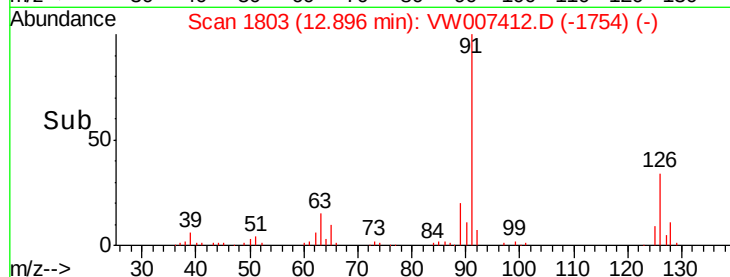
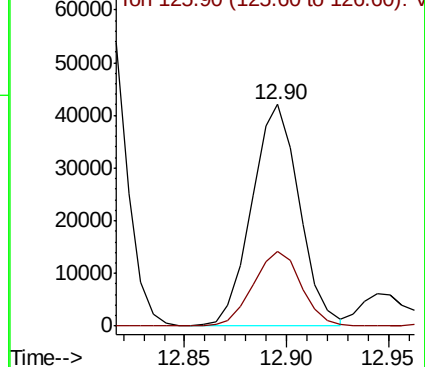
91 100

126 34.2 15.9 47.6



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: 21.001 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.01 min

Lab File: VW007412.D

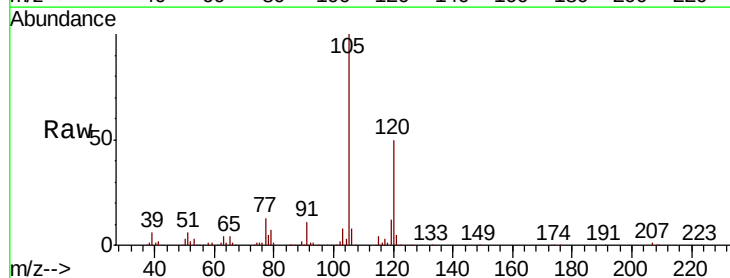
Acq: 12 Dec 2018 00:29

Tgt Ion:105 Resp: 86039

Ion Ratio Lower Upper

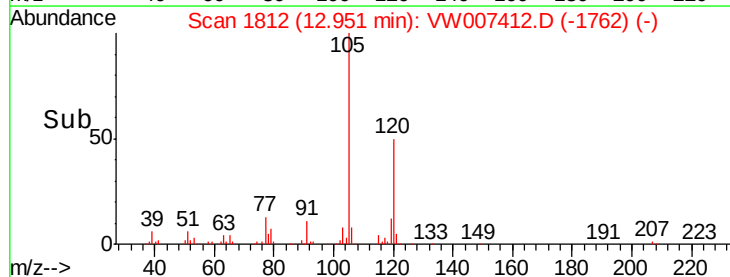
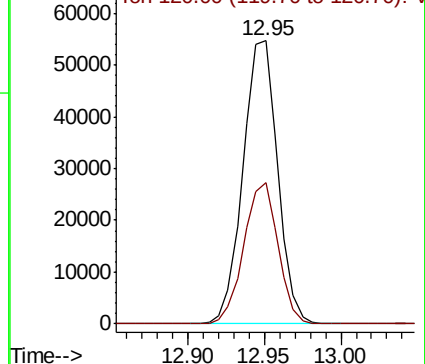
105 100

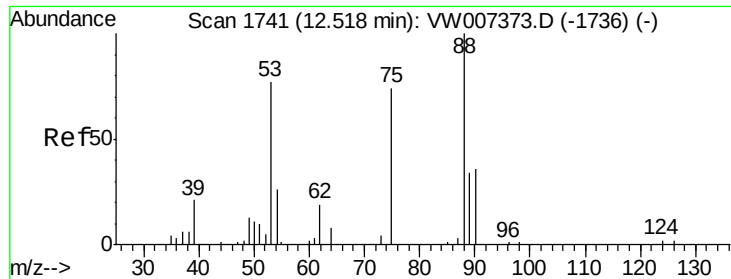
120 49.0 23.8 71.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

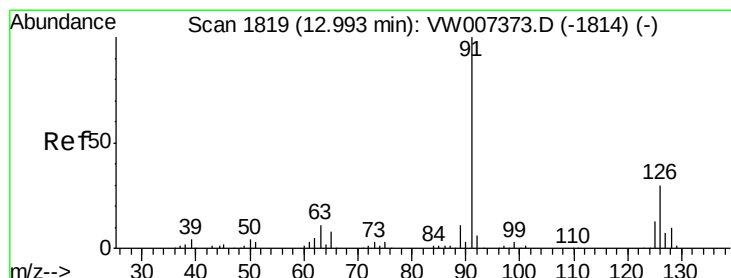
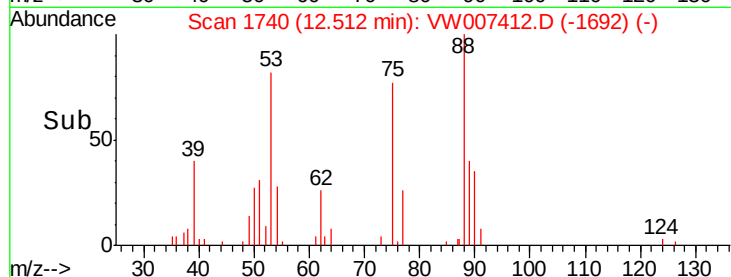
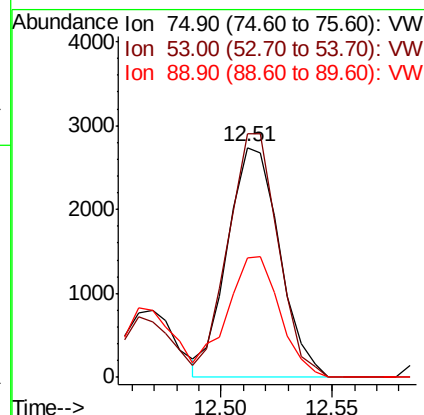
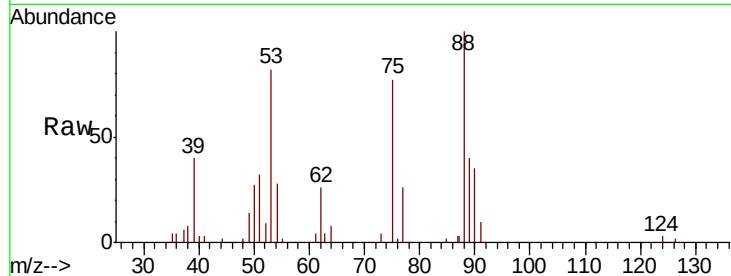




#81
trans-1,4-Dichloro-2-butene
Concen: 18.829 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.01 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

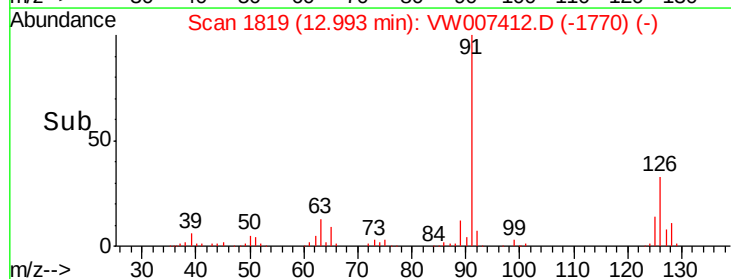
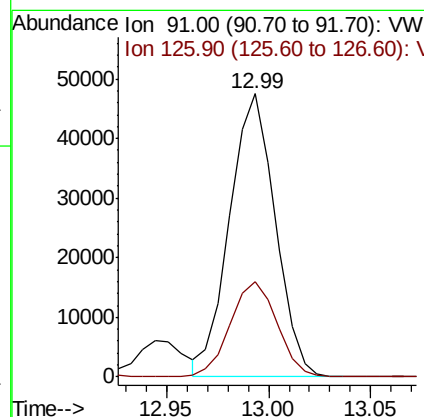
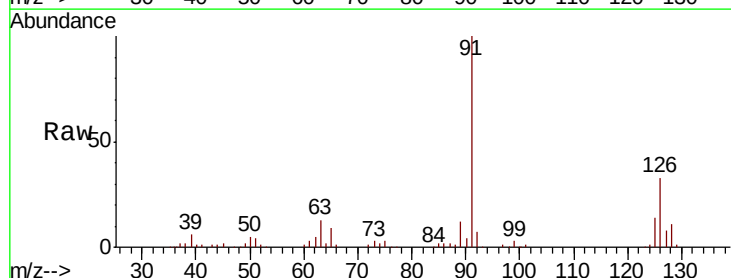
Instrument :
MSVOA_W
ClientSampleId :
VW1213SBS01

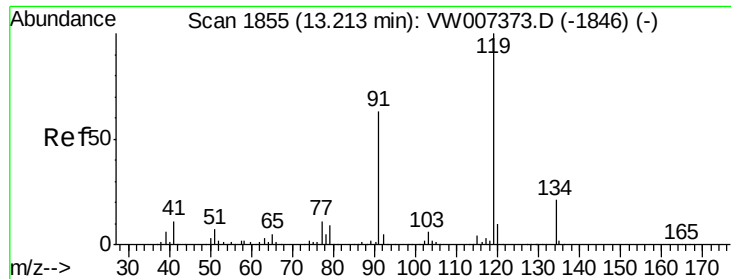
Tgt Ion: 75 Resp: 4472
Ion Ratio Lower Upper
75 100
53 101.5 84.9 127.3
89 53.3 40.3 60.5



#82
4-Chlorotoluene
Concen: 21.050 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Tgt Ion: 91 Resp: 73672
Ion Ratio Lower Upper
91 100
126 34.4 16.0 48.0

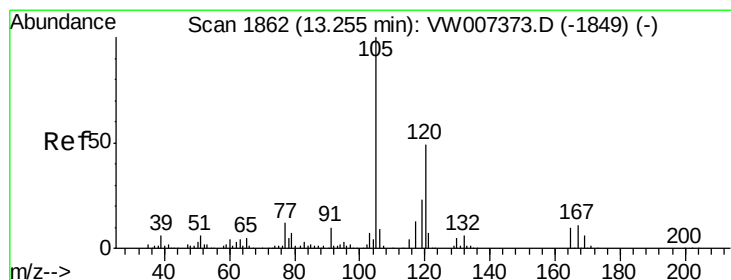
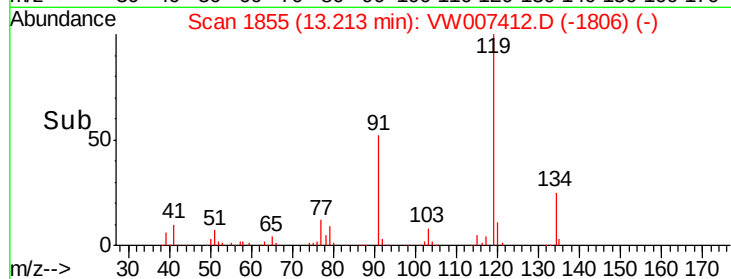
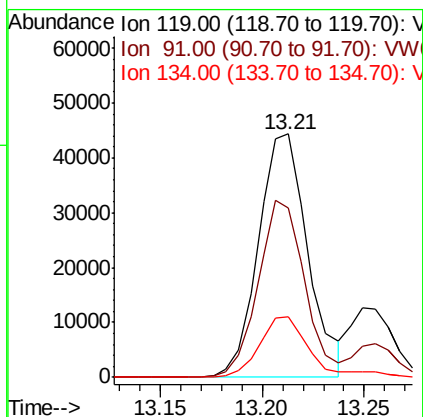
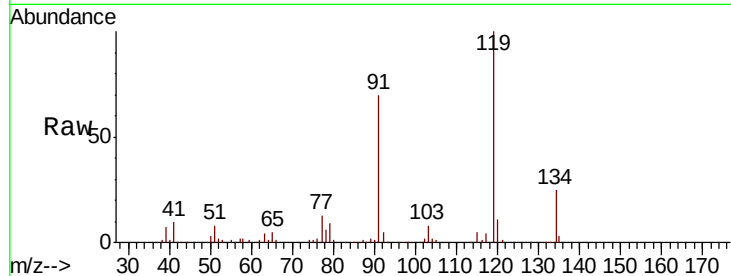




#83
 tert-Butylbenzene
 Concen: 20.751 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

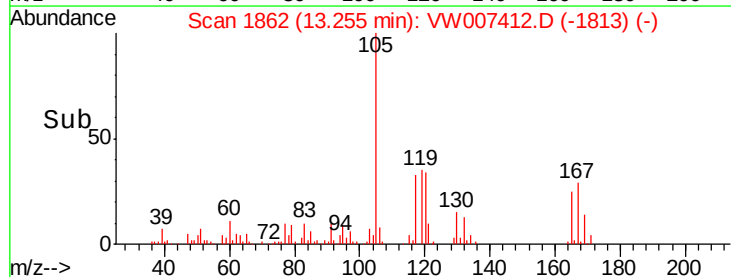
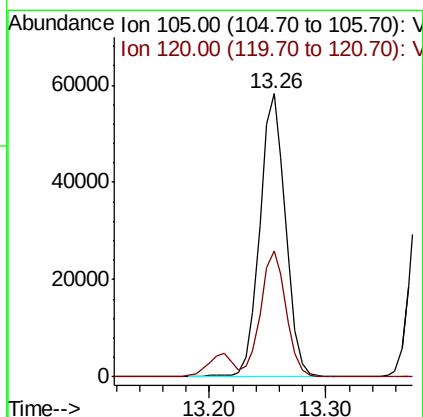
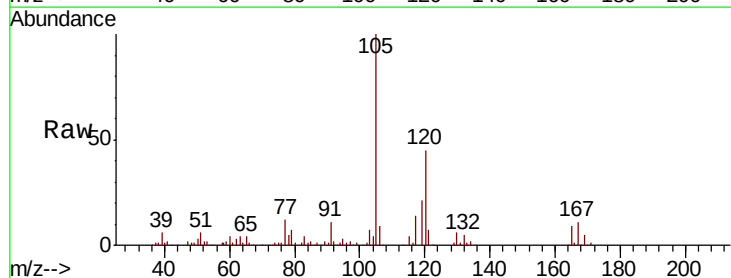
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1213SBS01

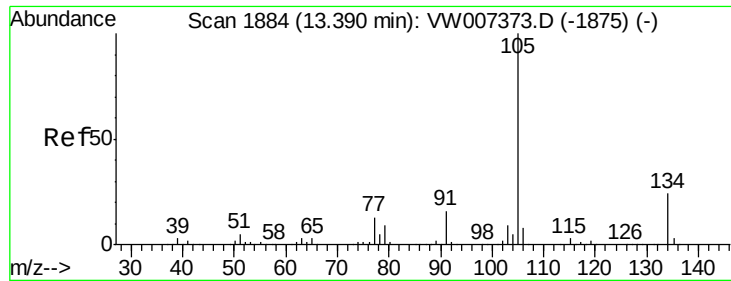
Tgt Ion:119 Resp: 74908
 Ion Ratio Lower Upper
 119 100
 91 68.2 33.1 99.2
 134 25.6 12.5 37.5



#84
 1,2,4-Trimethylbenzene
 Concen: 21.255 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

Tgt Ion:105 Resp: 89606
 Ion Ratio Lower Upper
 105 100
 120 43.8 22.6 67.7

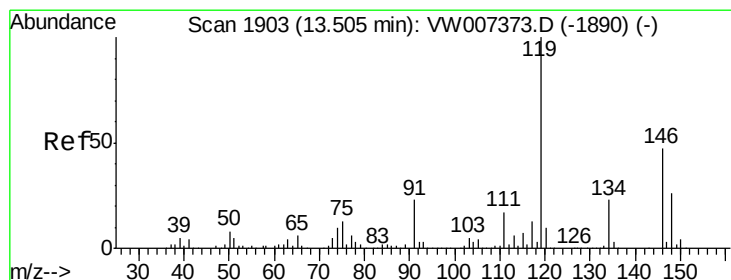
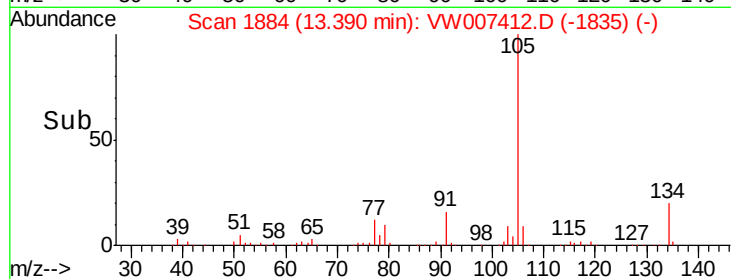
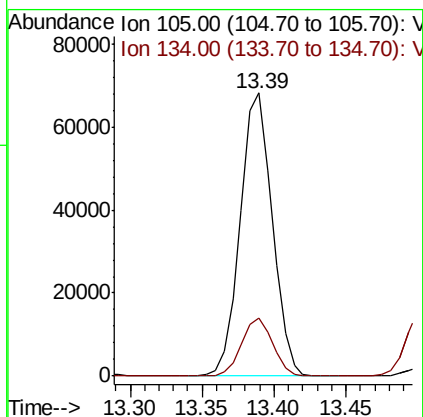
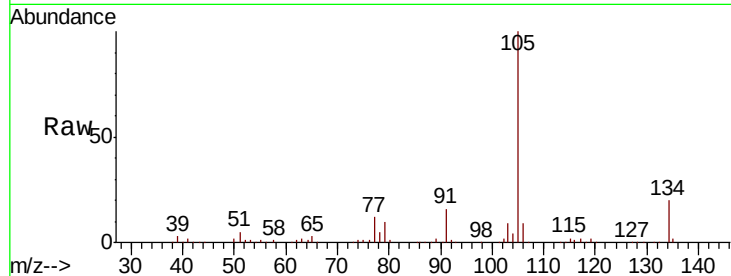




#85
 sec-Butylbenzene
 Concen: 21.304 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

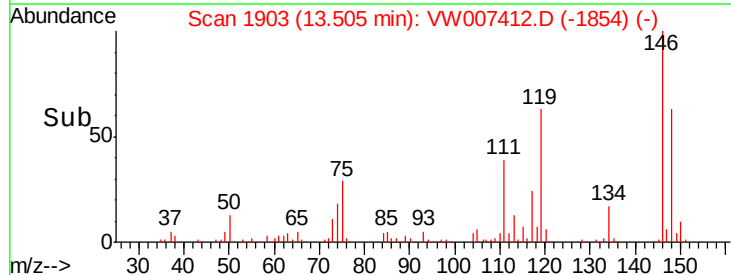
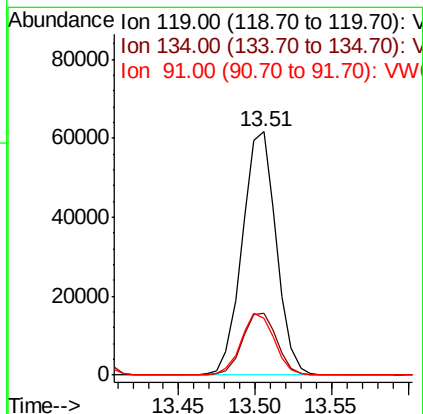
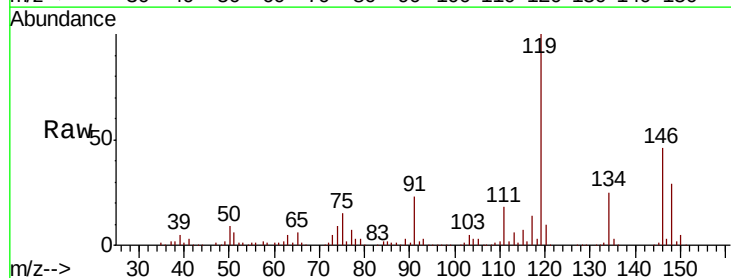
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1213SBS01

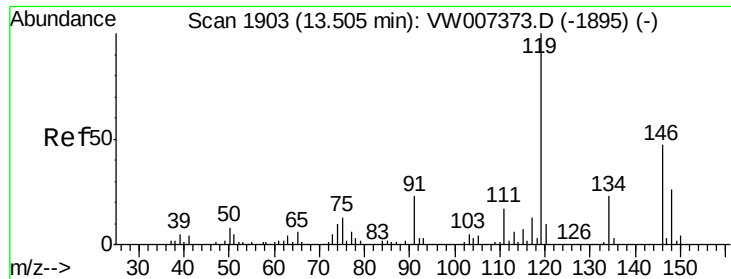
Tgt Ion:105 Resp: 104983
 Ion Ratio Lower Upper
 105 100
 134 20.0 11.1 33.3



#86
 p-Isopropyltoluene
 Concen: 21.386 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

Tgt Ion:119 Resp: 94678
 Ion Ratio Lower Upper
 119 100
 134 25.9 12.9 38.7
 91 24.9 11.9 35.9

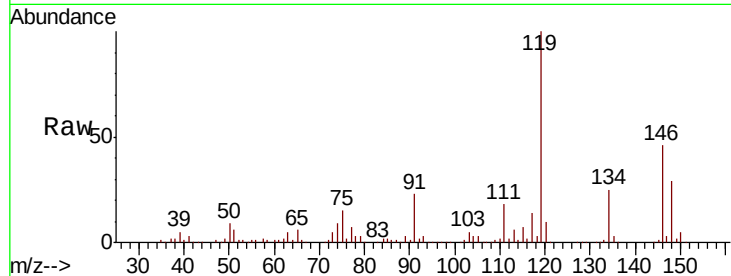




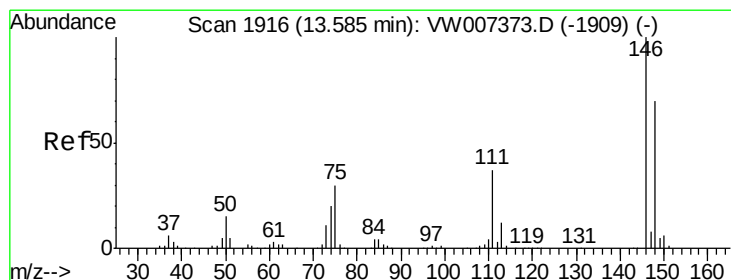
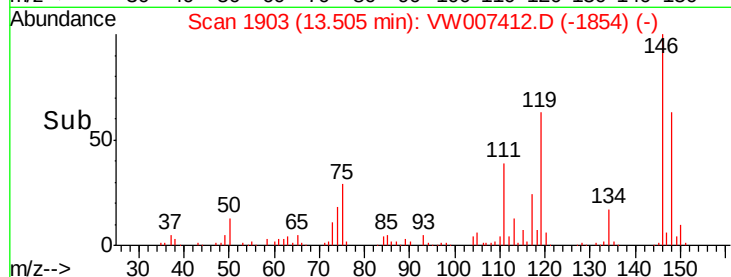
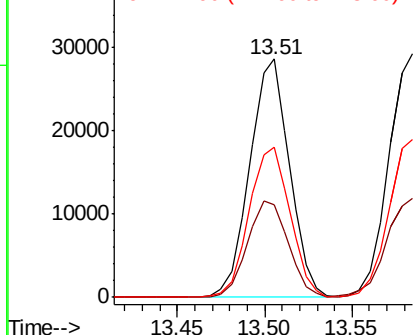
#87
 1,3-Dichlorobenzene
 Concen: 21.027 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1213SBS01

Tgt Ion:146 Resp: 45310
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.1 60.3
 148 64.6 31.4 94.0

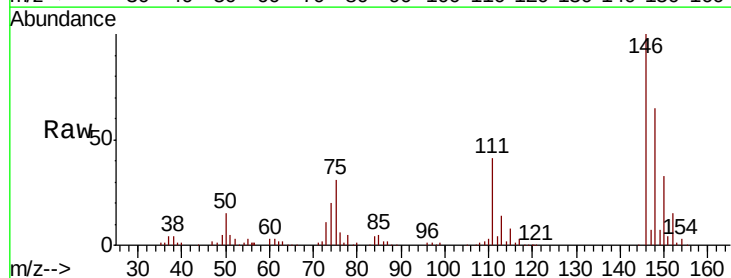


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

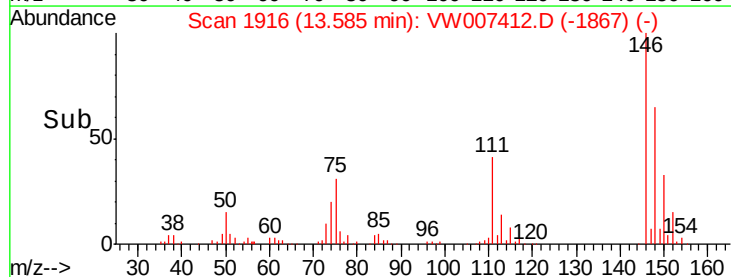
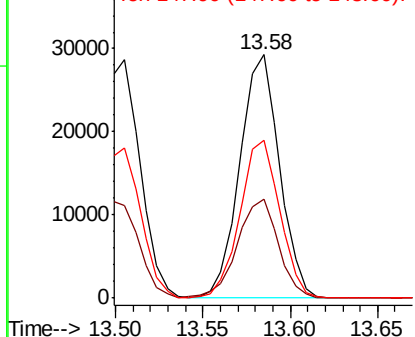


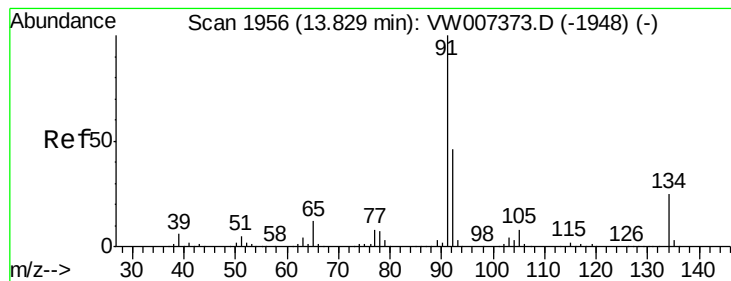
#88
 1,4-Dichlorobenzene
 Concen: 21.360 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

Tgt Ion:146 Resp: 46273
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.3 61.0
 148 65.0 33.5 100.5



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 21.302 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

Instrument :

MSVOA_W

ClientSampleId :

VW1213SBS01

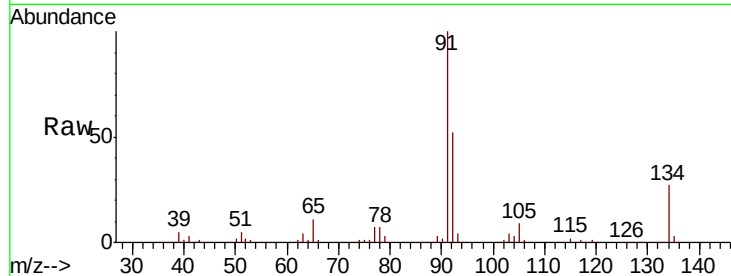
Tgt Ion: 91 Resp: 87427

Ion Ratio Lower Upper

91 100

92 52.5 25.7 77.1

134 26.0 13.4 40.2

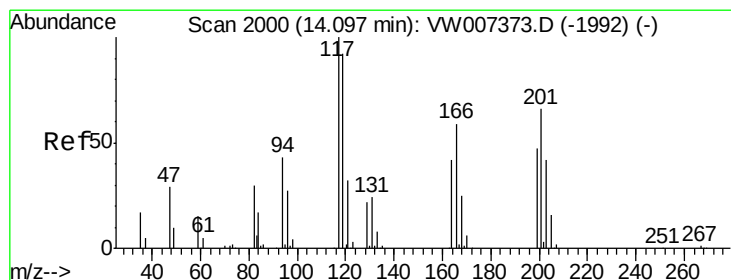
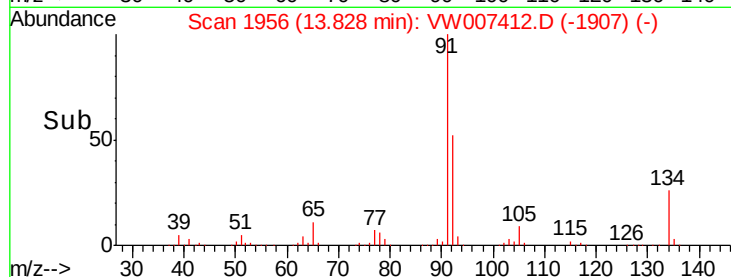
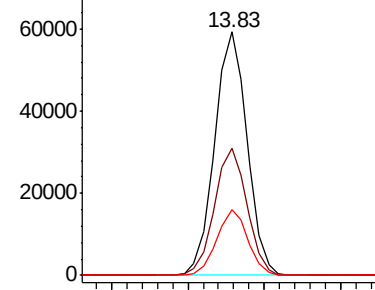


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): VW



#90

Hexachloroethane

Concen: 20.937 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW007412.D

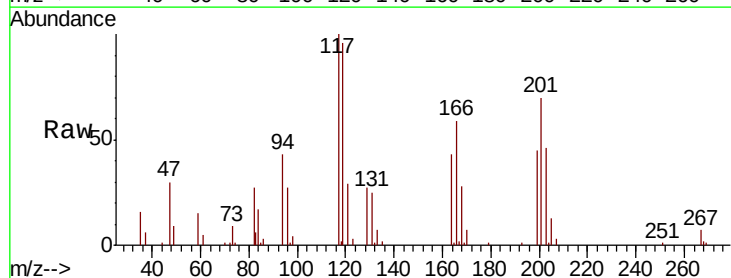
Acq: 12 Dec 2018 00:29

Tgt Ion: 117 Resp: 16492

Ion Ratio Lower Upper

117 100

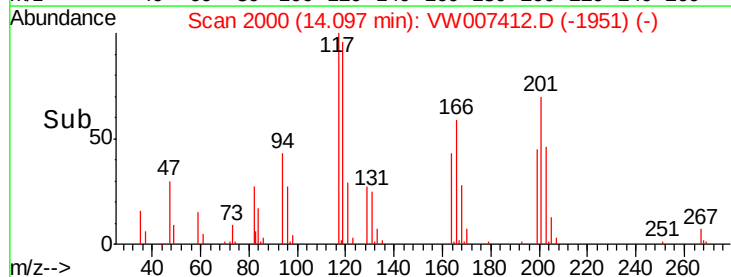
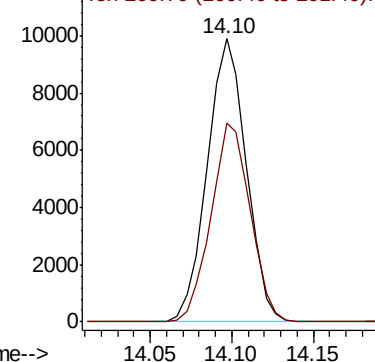
201 70.7 35.3 105.9

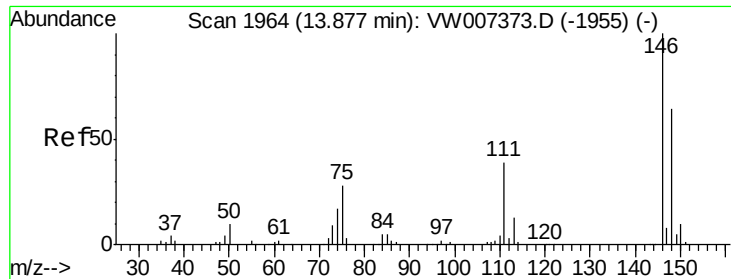


Abundance

Ion 116.80 (116.50 to 117.50): VW

Ion 200.70 (200.40 to 201.40): VW

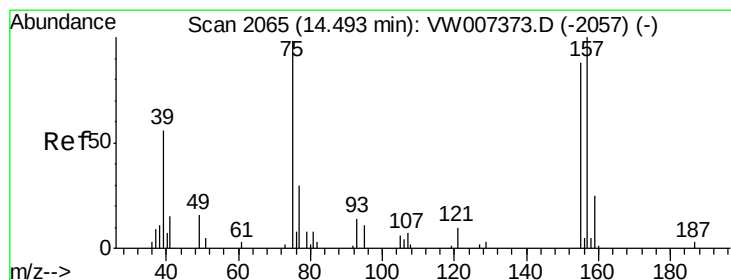
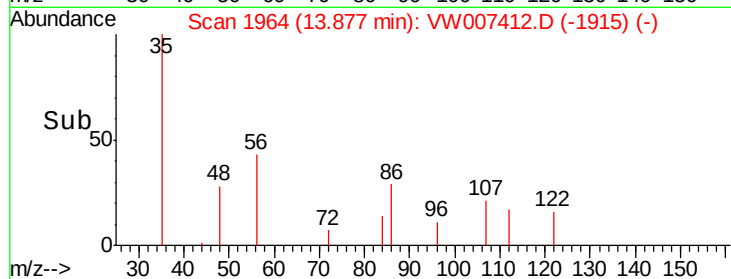
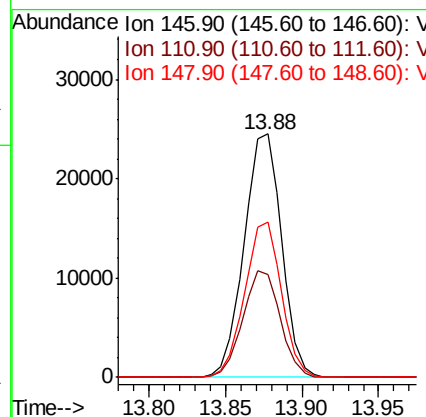
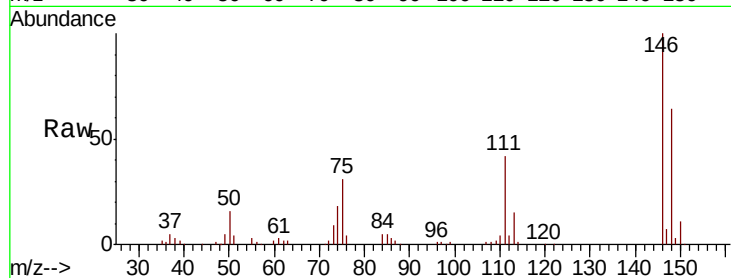




#91
 1,2-Dichlorobenzene
 Concen: 21.663 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

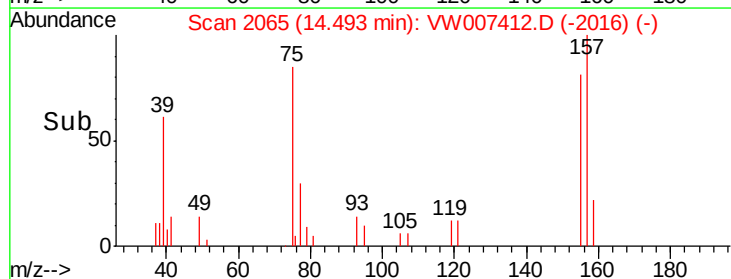
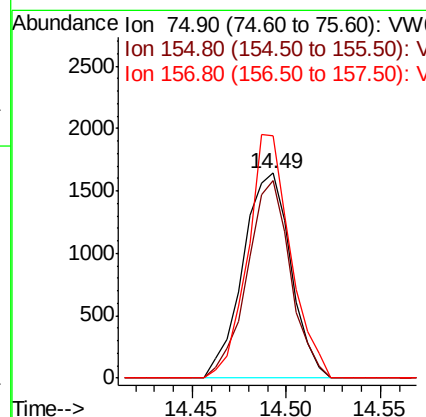
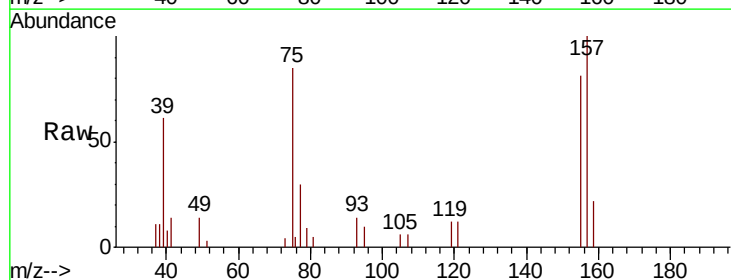
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1213SBS01

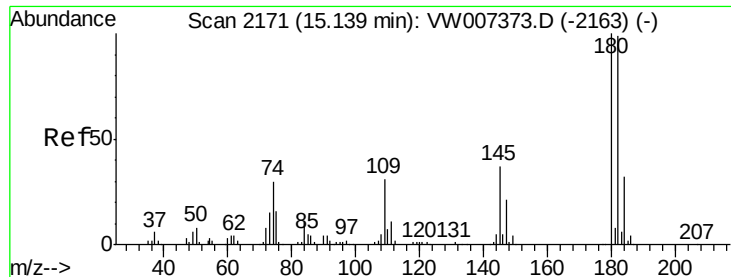
Tgt Ion: 146 Resp: 41809
 Ion Ratio Lower Upper
 146 100
 111 43.7 22.4 67.2
 148 62.0 32.4 97.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.942 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

Tgt Ion: 75 Resp: 2890
 Ion Ratio Lower Upper
 75 100
 155 87.1 40.8 122.2
 157 106.2 51.1 153.4

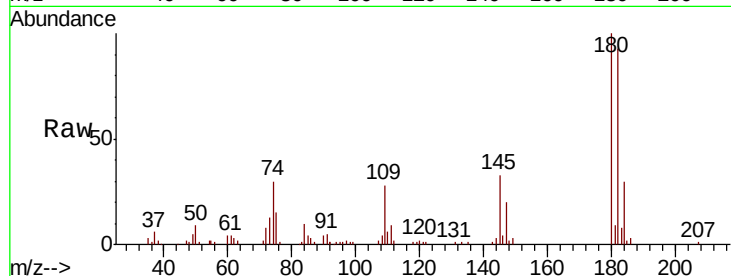




#93
 1,2,4-Trichlorobenzene
 Concen: 21.461 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1213SBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	49.9	149.6
145	34.0	17.8	53.4

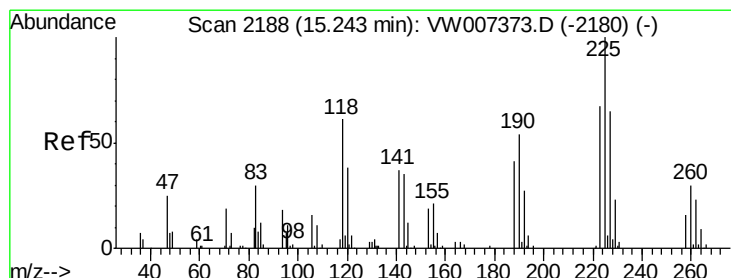
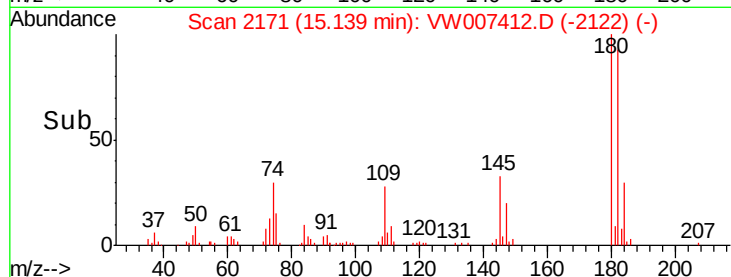
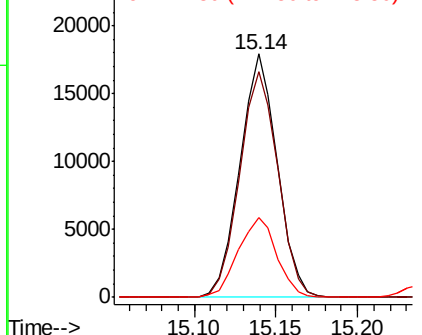


Abundance

Ion 179.80 (179.50 to 180.50): V

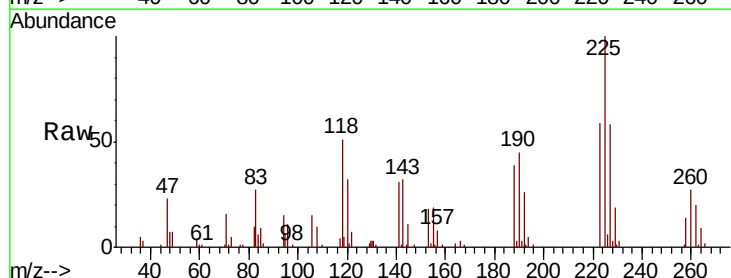
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.727 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	32.1	96.3
227	62.4	31.9	95.9

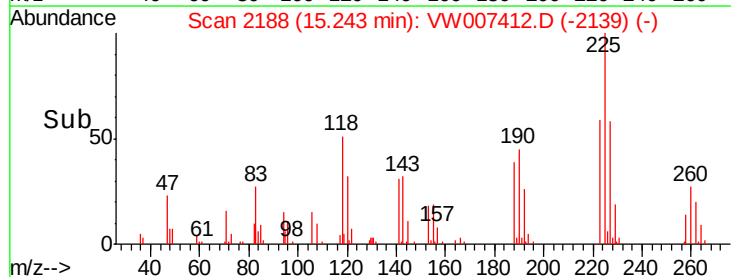
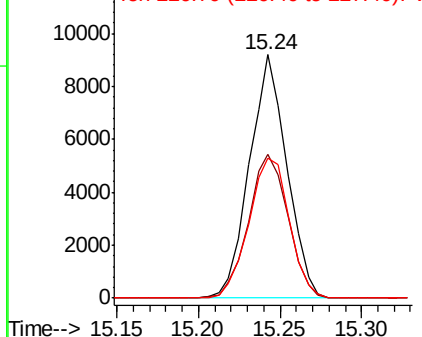


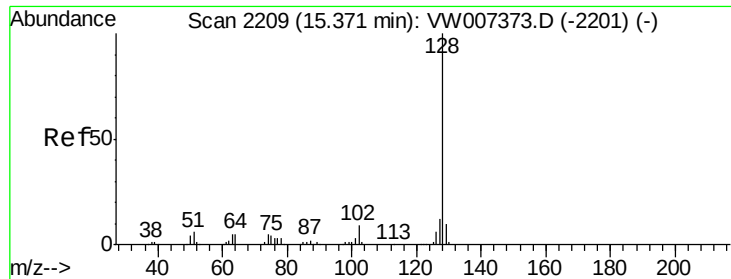
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

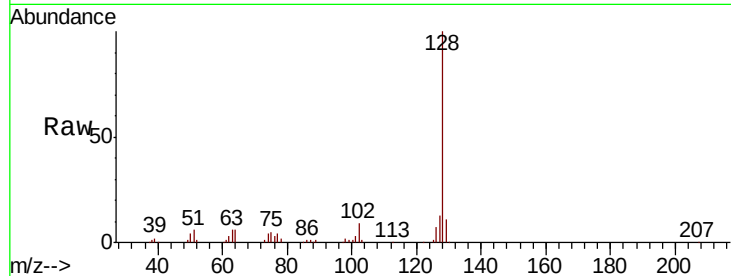




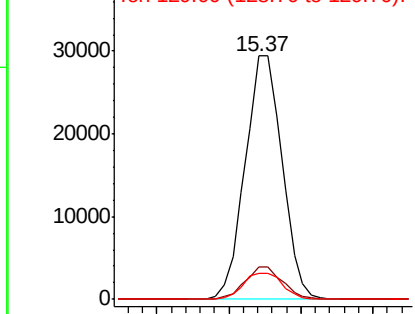
#95
Naphthalene
Concen: 20.597 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Instrument :
MSVOA_W
ClientSampleId :
VW1213SBS01

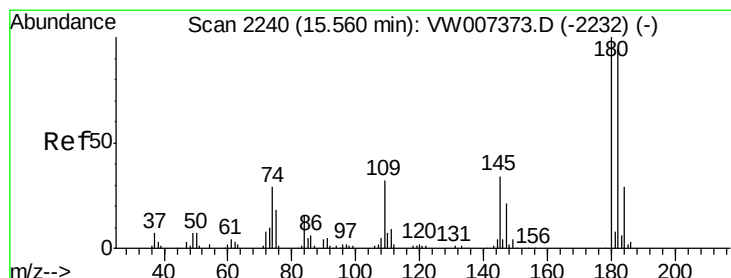
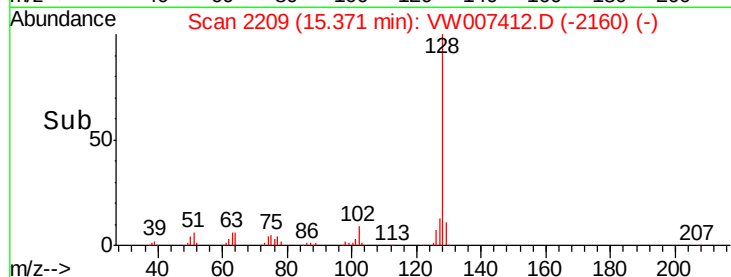
Tgt Ion:128 Resp: 52335
Ion Ratio Lower Upper
128 100
127 13.4 10.2 15.4
129 11.4 8.3 12.5



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

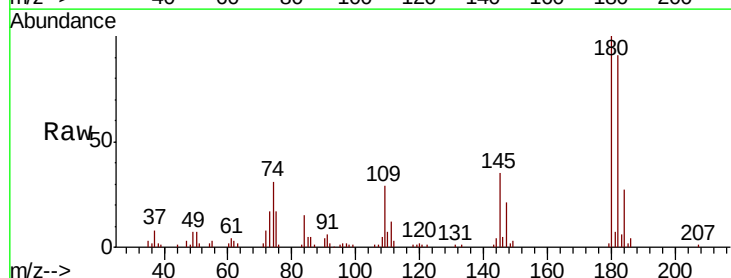


Time-->

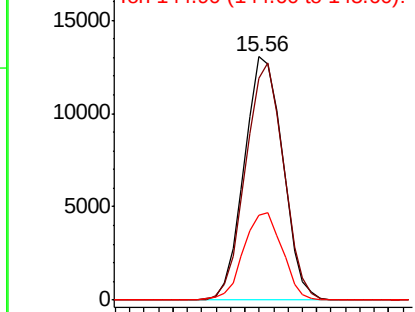


#96
1,2,3-Trichlorobenzene
Concen: 20.968 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Tgt Ion:180 Resp: 24192
Ion Ratio Lower Upper
180 100
182 95.5 45.6 136.7
145 36.0 17.5 52.5



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



Time-->

