

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121618\
 Data File : VW007499.D
 Acq On : 13 Dec 2018 22:05
 Operator : SY/AP
 Sample : VW1213SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS02

Quant Time: Dec 14 04:28:27 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	80062	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	135214	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	122586	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	61891	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	43154	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
35) Dibromofluoromethane	7.88	113	40356	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
50) Toluene-d8	10.32	98	152764	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
62) 4-Bromofluorobenzene	12.62	95	59848	53.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	11736	20.977	ug/l	89
3) Chloromethane	2.21	50	10573	22.565	ug/l	96
4) Vinyl Chloride	2.37	62	12666	23.034	ug/l	92
5) Bromomethane	2.78	94	8310	22.493	ug/l	95
6) Chloroethane	2.92	64	7152	23.628	ug/l	98
7) Trichlorofluoromethane	3.26	101	9793	19.809	ug/l	94
8) Diethyl Ether	3.68	74	8608	22.247	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	18058	22.137	ug/l	98
10) Methyl Iodide	4.26	142	28769	21.295	ug/l	99
11) Tert butyl alcohol	5.18	59	7008	114.881	ug/l #	88
12) 1,1-Dichloroethene	4.03	96	17788	22.649	ug/l	99
13) Acrolein	3.89	56	4642	115.001	ug/l	96
14) Allyl chloride	4.67	41	24510	21.172	ug/l	100
15) Acrylonitrile	5.37	53	18876	115.724	ug/l	98
16) Acetone	4.12	43	17080	110.090	ug/l	97
17) Carbon Disulfide	4.37	76	50807	21.335	ug/l	99
18) Methyl Acetate	4.67	43	10118	24.029	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	27378	23.108	ug/l	99
20) Methylene Chloride	4.91	84	20531	22.005	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	18575	21.142	ug/l	94
22) Diisopropyl ether	6.31	45	47804	21.483	ug/l	99
23) Vinyl Acetate	6.25	43	138313	111.127	ug/l	97
24) 1,1-Dichloroethane	6.21	63	31793	21.140	ug/l	97
25) 2-Butanone	7.17	43	23249	114.785	ug/l	98
26) 2,2-Dichloropropane	7.16	77	20516	20.612	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	20763	21.583	ug/l	98
28) Bromochloromethane	7.51	49	11831	20.914	ug/l	99
29) Tetrahydrofuran	7.53	42	15600	121.662	ug/l	100
30) Chloroform	7.67	83	34408	21.024	ug/l	96
31) Cyclohexane	7.95	56	29392	21.301	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	29147	20.308	ug/l	97
36) 1,1-Dichloropropene	8.08	75	26143	21.195	ug/l	100
37) Ethyl Acetate	7.25	43	10571	23.042	ug/l	99
38) Carbon Tetrachloride	8.07	117	28015	20.874	ug/l	96

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Quant Time: Dec 14 04:28:27 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)
39) Methylcyclohexane	9.34	83	32908	22.033	ug/l	94
40) Benzene	8.32	78	71793	20.973	ug/l	99
41) Methacrylonitrile	7.48	41	6988	26.748	ug/l #	87
42) 1,2-Dichloroethane	8.40	62	22927	21.322	ug/l	99
43) Isopropyl Acetate	8.43	43	21089	23.272	ug/l	99
44) Trichloroethene	9.09	130	20861	21.341	ug/l	96
45) 1,2-Dichloropropane	9.37	63	17136	21.632	ug/l	95
46) Dibromomethane	9.46	93	10133	22.525	ug/l	95
47) Bromodichloromethane	9.65	83	25180	21.340	ug/l	94
48) Methyl methacrylate	9.44	41	10682	22.952	ug/l	100
49) 1,4-Dioxane	9.45	88	3235	443.207	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	52339	122.234	ug/l	97
52) Toluene	10.38	92	48276	21.793	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	25443	22.211	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	28796	21.745	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	14514	23.706	ug/l	97
56) Ethyl methacrylate	10.65	69	17734	24.099	ug/l	96
57) 1,3-Dichloropropane	10.93	76	23720	23.604	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	38188	112.531	ug/l	99
59) 2-Hexanone	10.97	43	35976	126.004	ug/l	97
60) Dibromochloromethane	11.13	129	17601	22.780	ug/l	98
61) 1,2-Dibromoethane	11.24	107	14501	23.967	ug/l	90
64) Tetrachloroethene	10.86	164	18201	20.647	ug/l	92
65) Chlorobenzene	11.66	112	55270	21.631	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.73	131	18947	21.055	ug/l	98
67) Ethyl Benzene	11.73	91	94940	21.612	ug/l	92
68) m/p-Xylenes	11.84	106	73615	43.106	ug/l	100
69) o-Xylene	12.17	106	34588	21.686	ug/l	96
70) Styrene	12.18	104	58001	22.514	ug/l	96
71) Bromoform	12.35	173	9924	21.546	ug/l #	99
73) Isopropylbenzene	12.47	105	98481	20.766	ug/l	99
74) N-amyl acetate	12.27	43	19952	23.149	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	16208	23.075	ug/l	95
76) 1,2,3-Trichloropropane	12.77	75	21863	42.843	ug/l	31
77) Bromobenzene	12.75	156	22239	21.156	ug/l	94
78) n-propylbenzene	12.81	91	114367	21.429	ug/l	100
79) 2-Chlorotoluene	12.90	91	67836	21.006	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	84501	21.206	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	5168	22.371	ug/l	96
82) 4-Chlorotoluene	12.99	91	71035	20.868	ug/l	98
83) tert-Butylbenzene	13.21	119	74903	21.333	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	85208	20.780	ug/l	99
85) sec-Butylbenzene	13.39	105	103456	21.584	ug/l	96
86) p-Isopropyltoluene	13.50	119	92331	21.443	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	44991	21.467	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	44458	21.100	ug/l	97
89) n-Butylbenzene	13.83	91	84951	21.281	ug/l	99
90) Hexachloroethane	14.10	117	15608	20.372	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	40602	21.629	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3177	22.539	ug/l	98

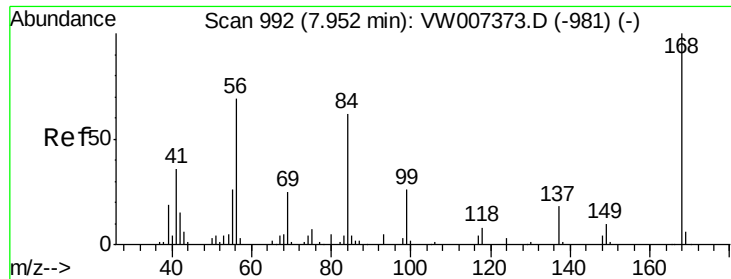
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	27650	21.403	ug/l	93
94) Hexachlorobutadiene	15.24	225	13621	19.872	ug/l	98
95) Naphthalene	15.37	128	55888	22.614	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	23642	21.067	ug/l	97

(#) = 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: VW007499.D

Acq: 13 Dec 2018 22:05

Instrument :

MSVOA_W

ClientSampleId :

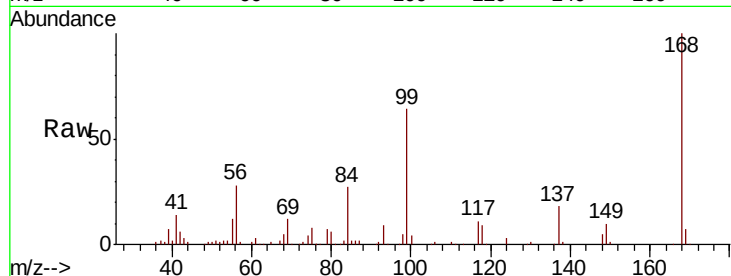
VW1216SBS02

Tot Ion:168 Resp: 80062

Ion Ratio Lower Upper

168 100

99 64.4 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

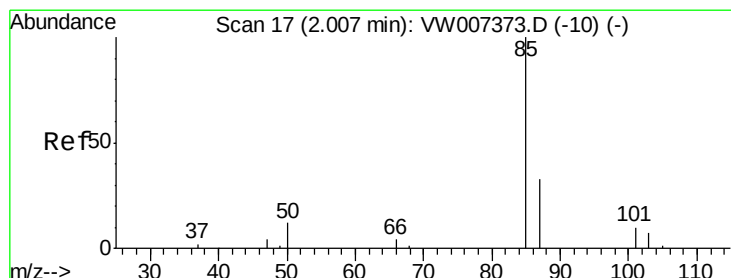
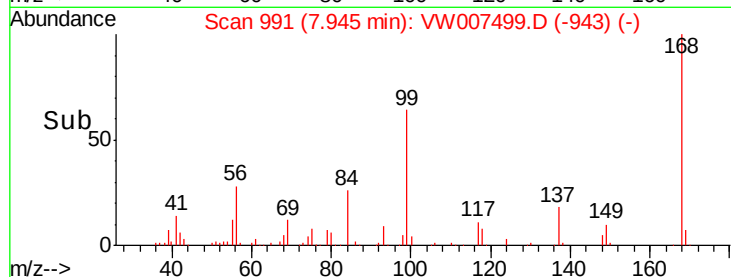
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 20.977 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW007499.D

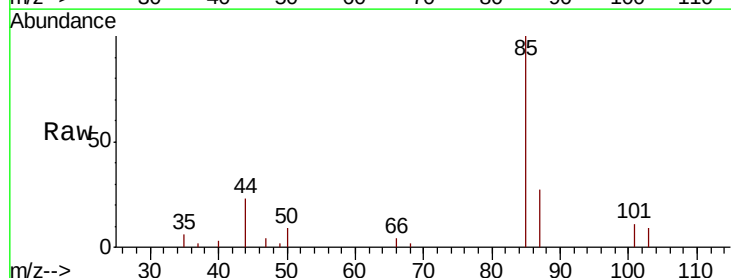
Acq: 13 Dec 2018 22:05

Tgt Ion: 85 Resp: 11736

Ion Ratio Lower Upper

85 100

87 26.7 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

4000

3000

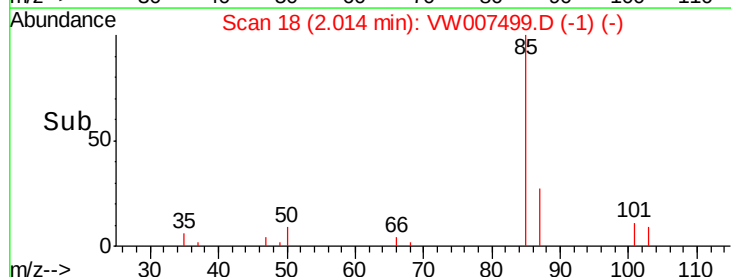
2000

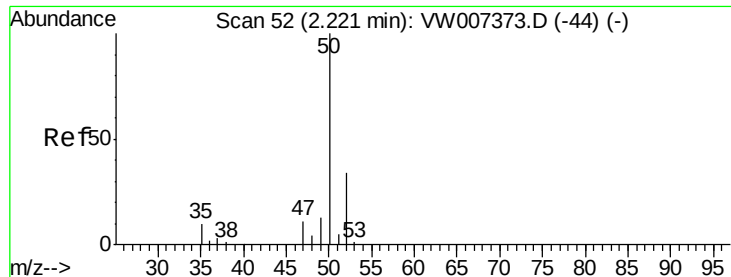
1000

0

1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 22.565 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Instrument :

MSVOA_W

ClientSampleId :

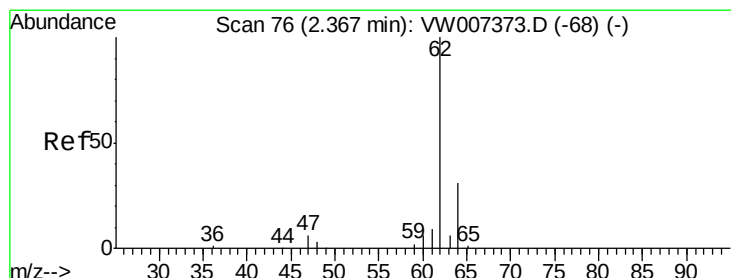
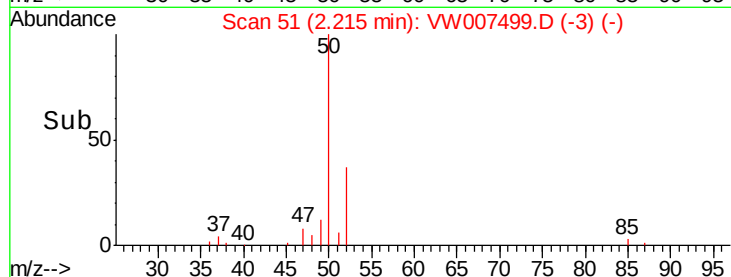
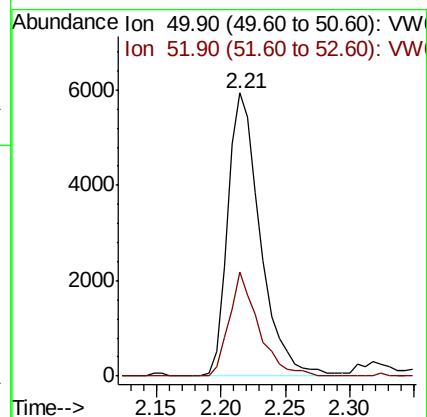
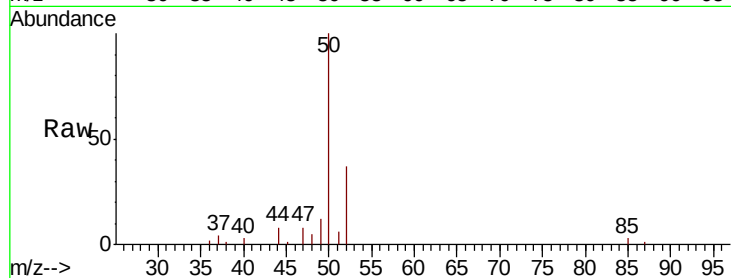
VW1216SBS02

Tot Ion: 50 Resp: 10573

Ion Ratio Lower Upper

50 100

52 36.7 27.4 41.0



#4

Vinyl Chloride

Concen: 23.034 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW007499.D

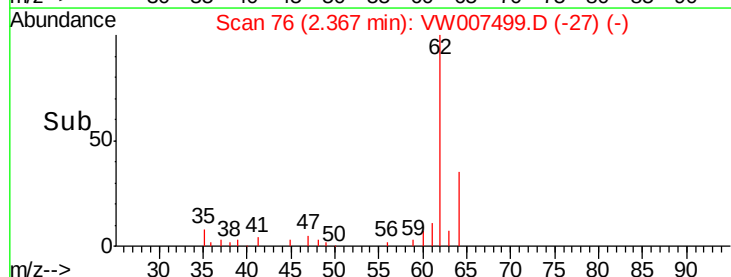
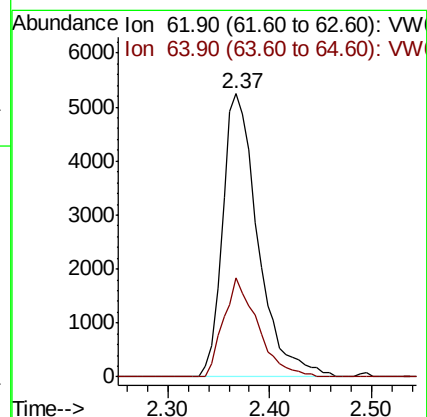
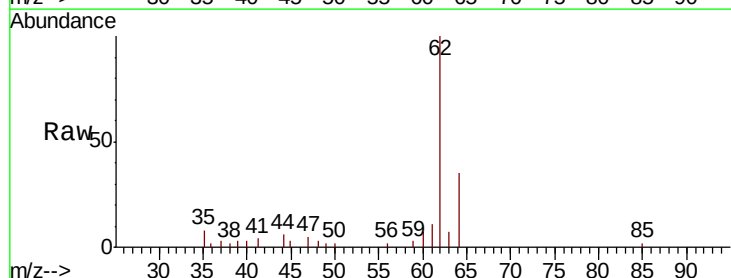
Acq: 13 Dec 2018 22:05

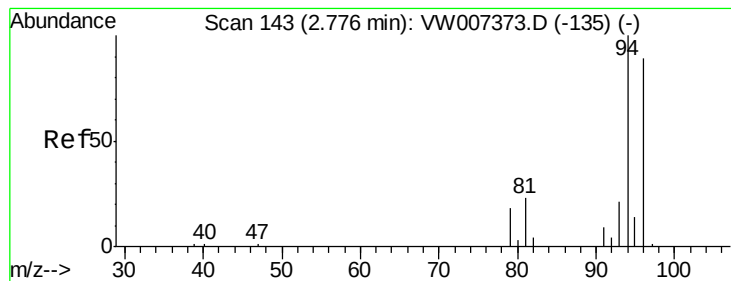
Tgt Ion: 62 Resp: 12666

Ion Ratio Lower Upper

62 100

64 35.0 24.6 37.0





#5

Bromomethane

Concen: 22.493 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Instrument :

MSVOA_W

ClientSampleId :

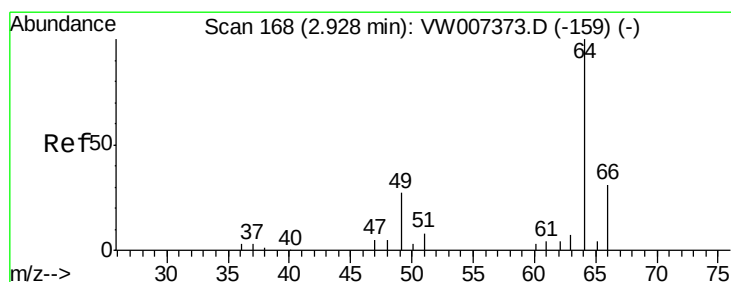
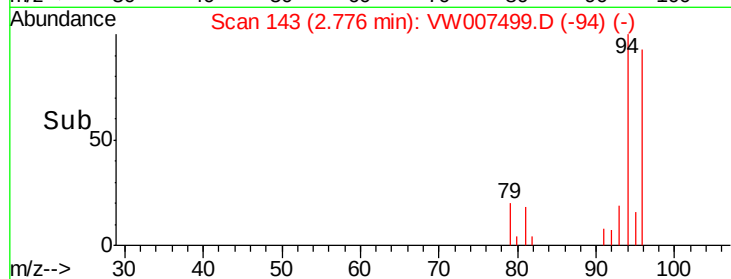
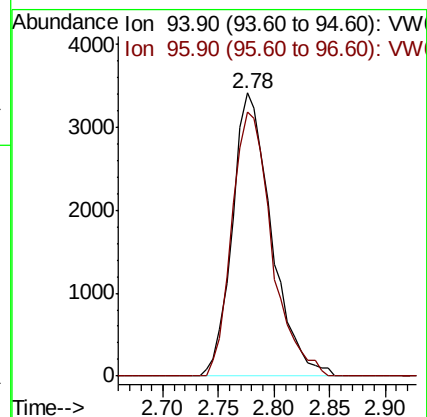
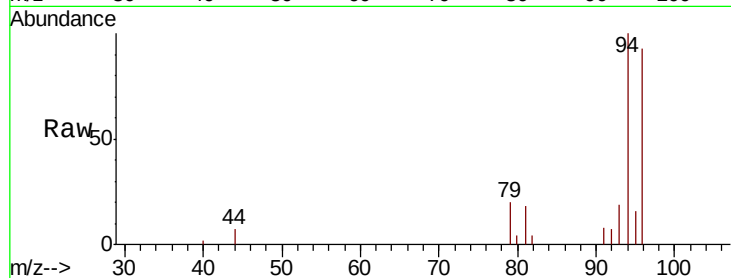
VW1216SBS02

Tot Ion: 94 Resp: 8310

Ion Ratio Lower Upper

94 100

96 93.3 71.0 106.4



#6

Chloroethane

Concen: 23.628 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW007499.D

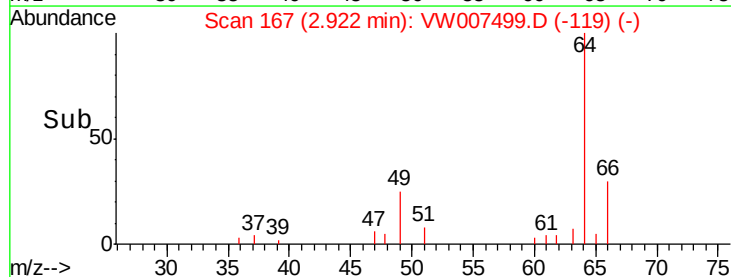
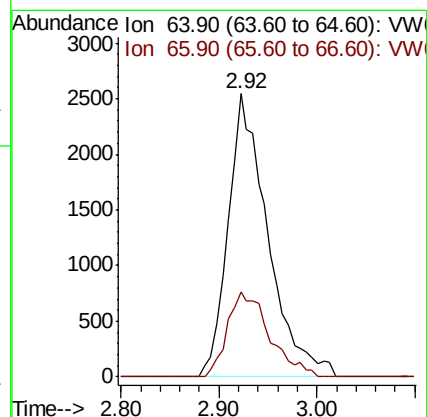
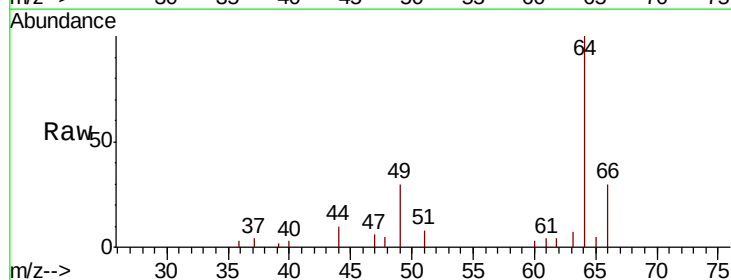
Acq: 13 Dec 2018 22:05

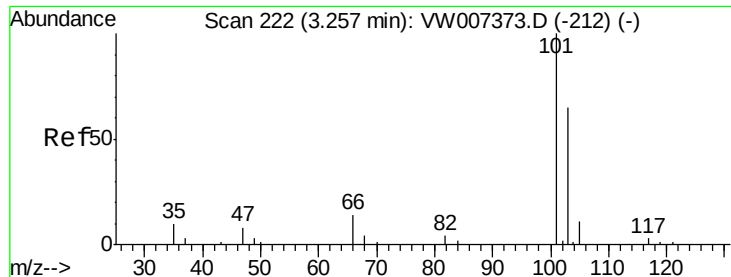
Tgt Ion: 64 Resp: 7152

Ion Ratio Lower Upper

64 100

66 29.8 24.6 37.0



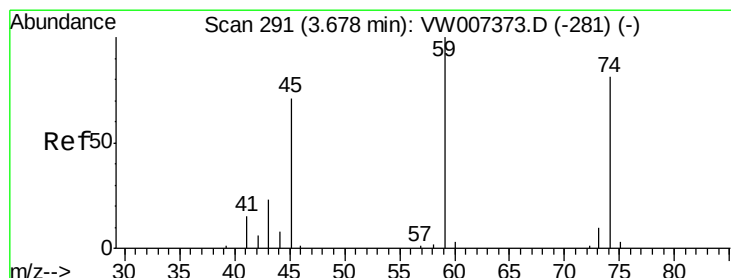
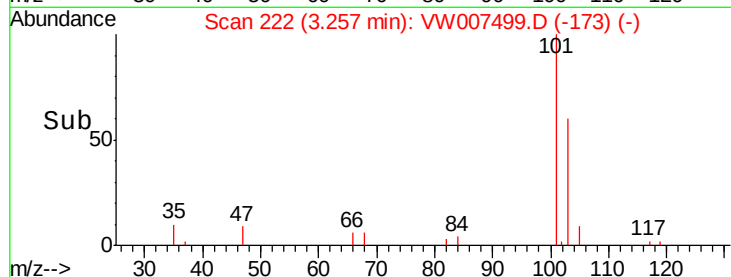
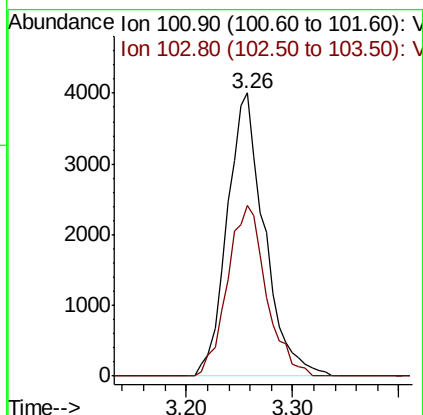
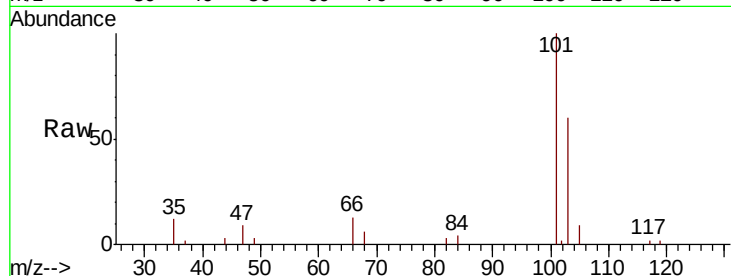


#7

Trichlorofluoromethane
Concen: 19.809 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Instrument :
MSVOA_W
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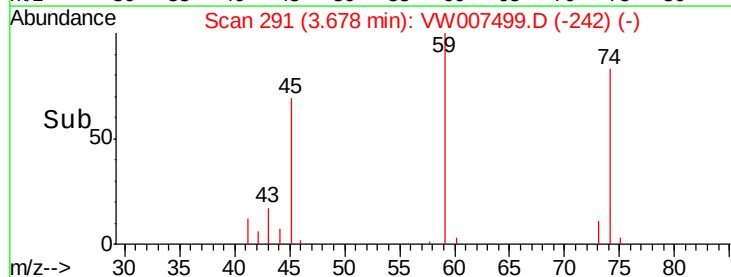
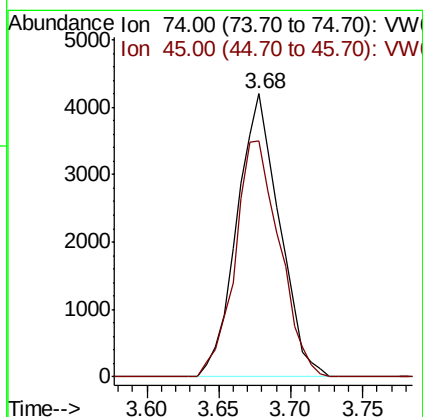
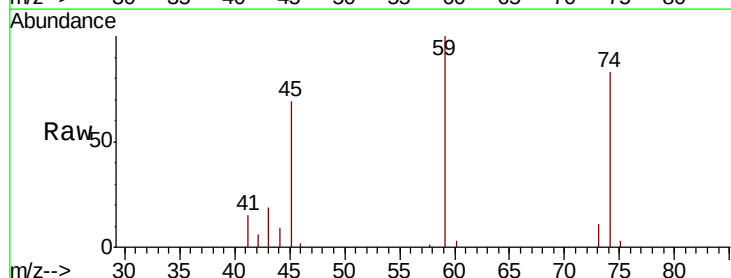
Tot Ion:101 Resp: 9793
Ion Ratio Lower Upper
101 100
103 60.2 51.7 77.5

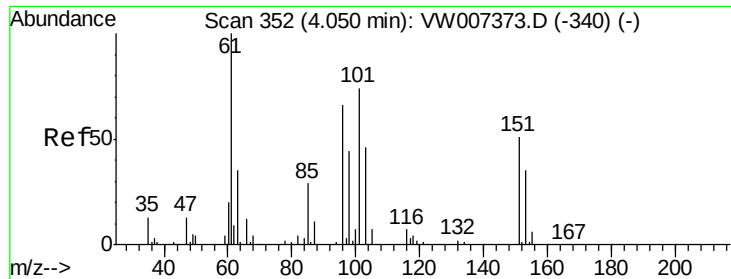


#8

Diethyl Ether
Concen: 22.247 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Tgt Ion: 74 Resp: 8608
Ion Ratio Lower Upper
74 100
45 87.2 43.0 129.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.137 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS02

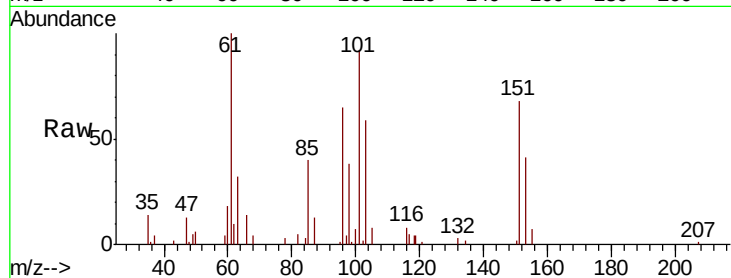
Tot Ion:101 Resp: 18058

Ion Ratio Lower Upper

101 100

85 42.8 33.9 50.9

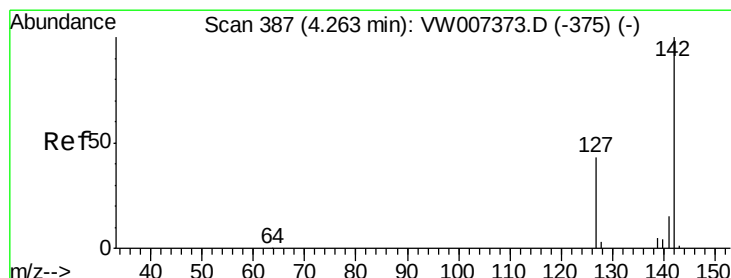
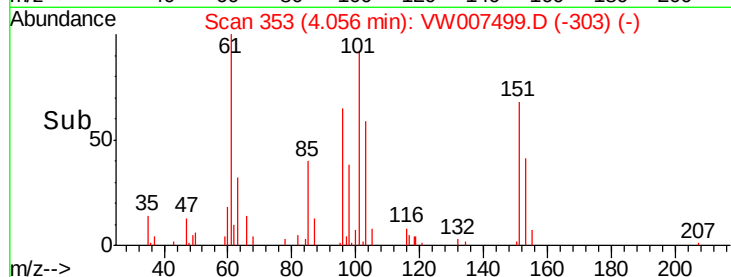
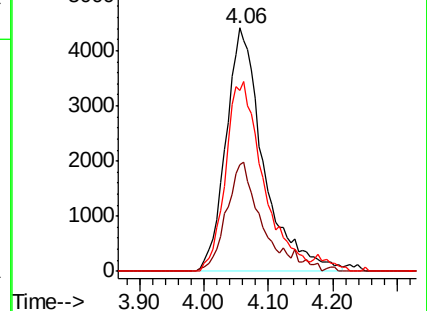
151 77.7 63.7 95.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.295 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

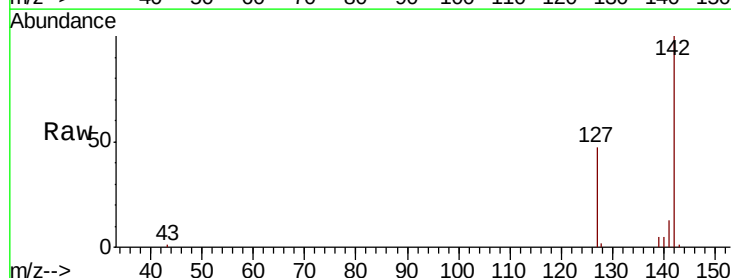
Tgt Ion:142 Resp: 28769

Ion Ratio Lower Upper

142 100

127 45.0 35.8 53.6

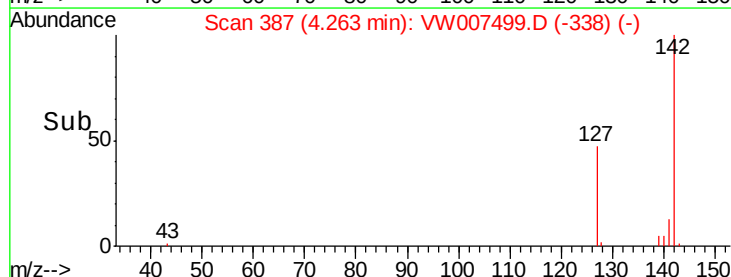
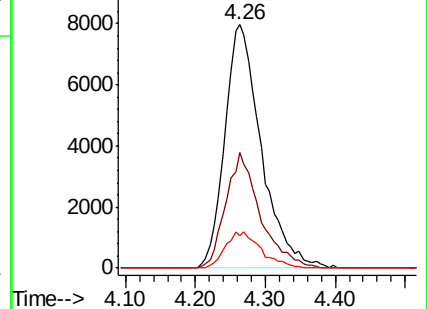
141 14.5 11.1 16.7

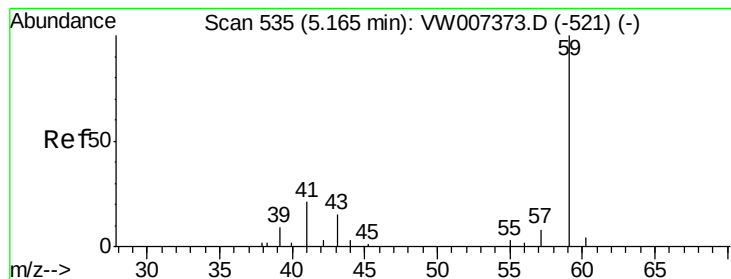


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



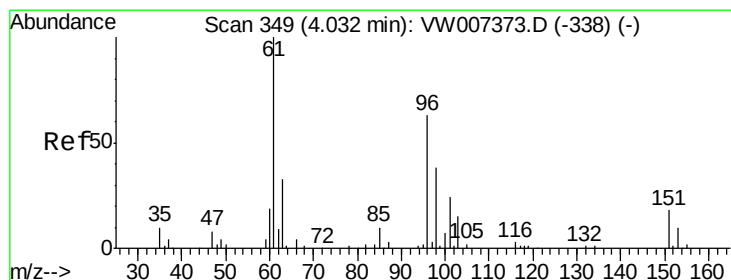
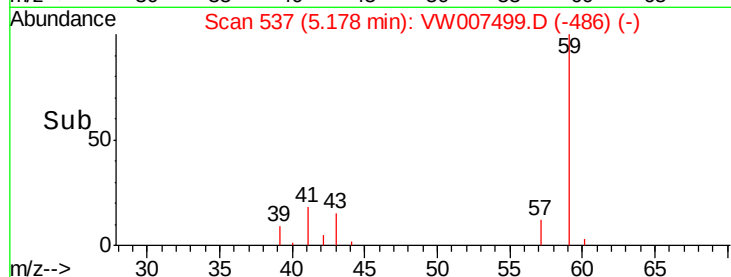
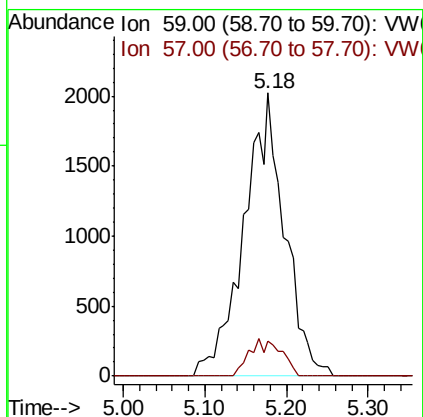
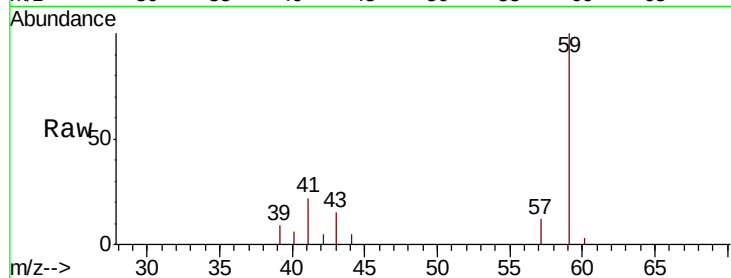


#11

Tert butyl alcohol
 Concen: 114.881 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW007499.D
 Acq: 13 Dec 2018 22:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS02

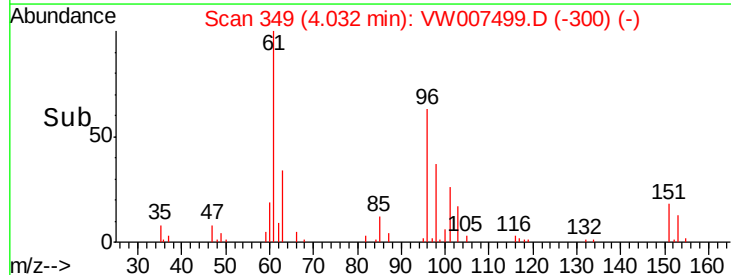
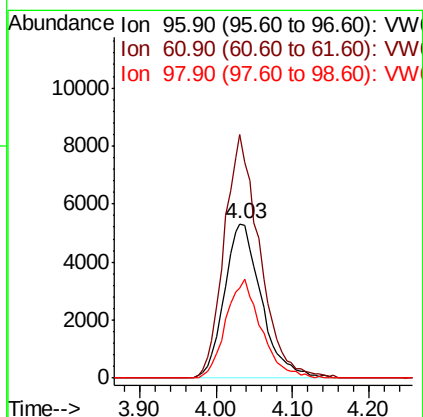
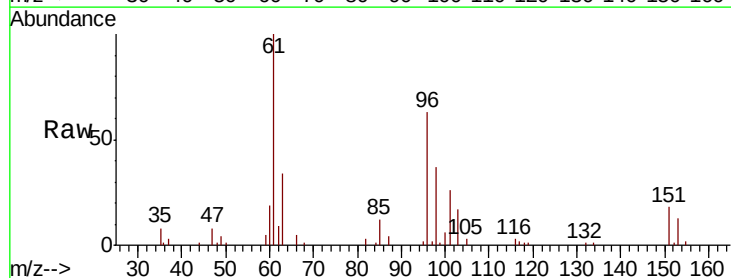
Tot Ion: 59 Resp: 7008
 Ion Ratio Lower Upper
 59 100
 57 5.0 7.6 11.4#

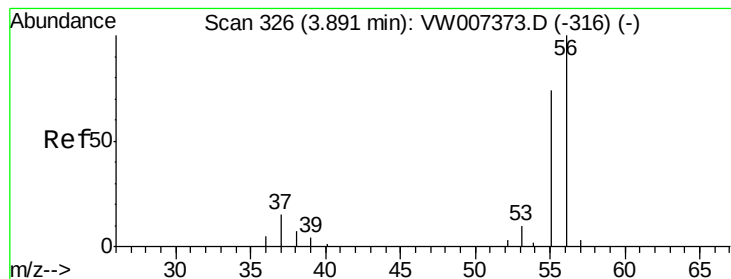


#12

1,1-Dichloroethene
 Concen: 22.649 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. 0.00 min
 Lab File: VW007499.D
 Acq: 13 Dec 2018 22:05

Tgt Ion: 96 Resp: 17788
 Ion Ratio Lower Upper
 96 100
 61 157.9 126.2 189.2
 98 58.4 48.3 72.5





#13

Acrolein

Concen: 115.001 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Instrument :

MSVOA_W

ClientSampleId :

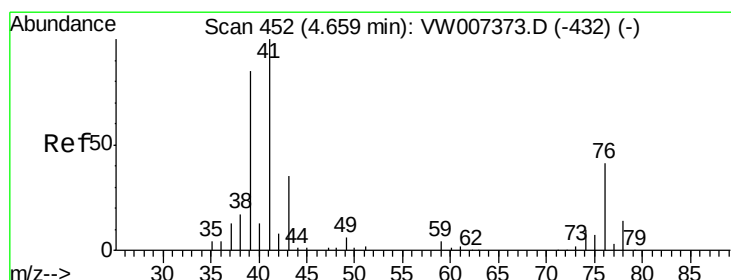
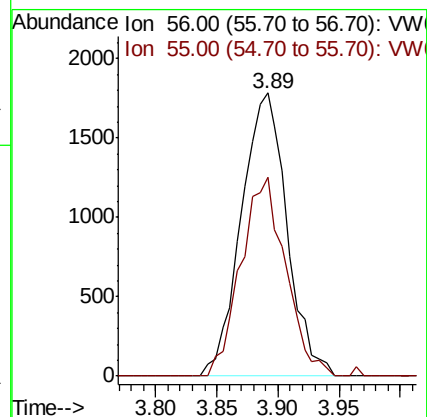
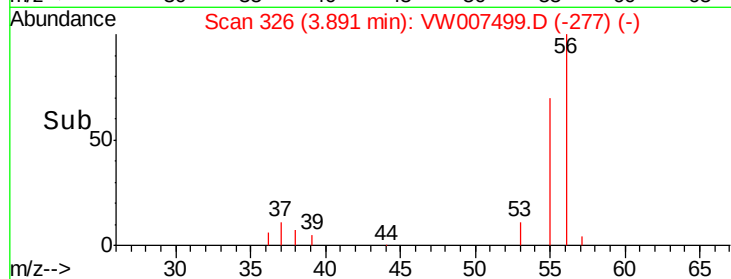
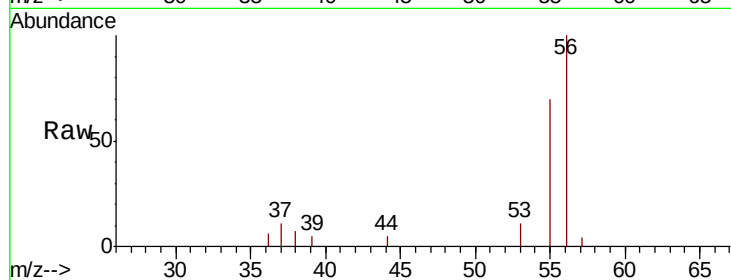
VW1216SBS02

Tot Ion: 56 Resp: 4642

Ion Ratio Lower Upper

56 100

55 68.6 57.4 86.2



#14

Allyl chloride

Concen: 21.172 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

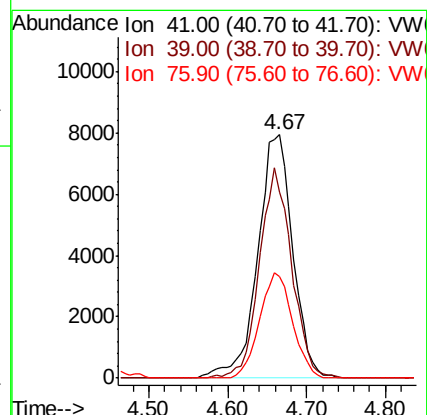
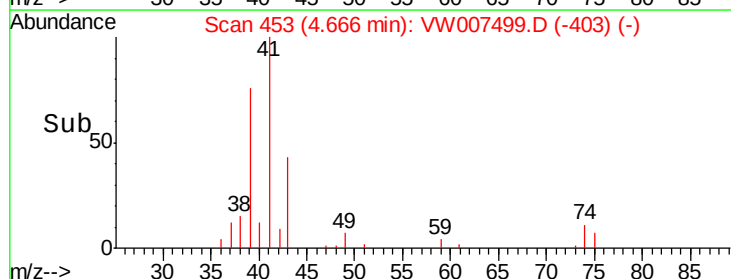
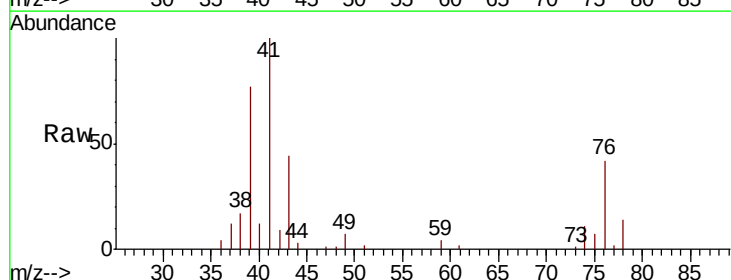
Tgt Ion: 41 Resp: 24510

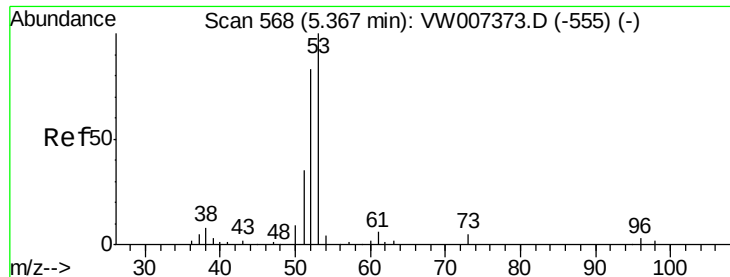
Ion Ratio Lower Upper

41 100

39 79.4 63.4 95.2

76 40.5 32.1 48.1





#15

Acrylonitrile

Concen: 115.724 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS02

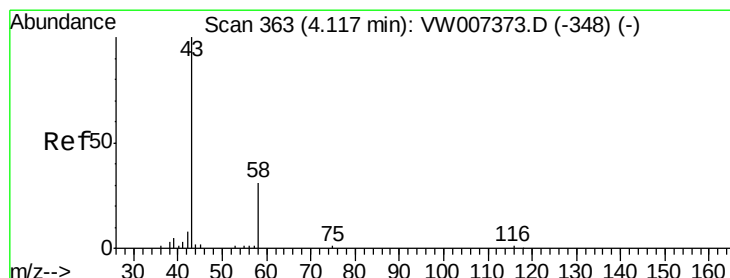
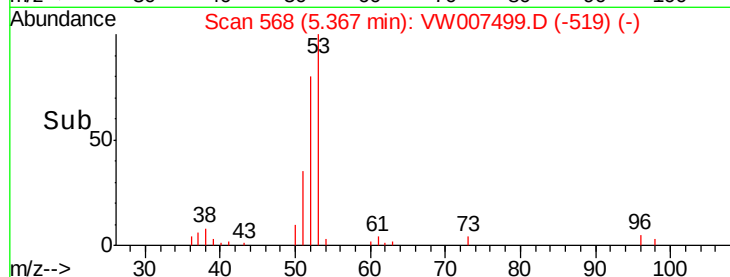
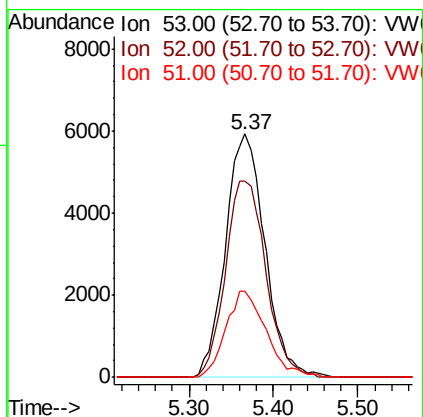
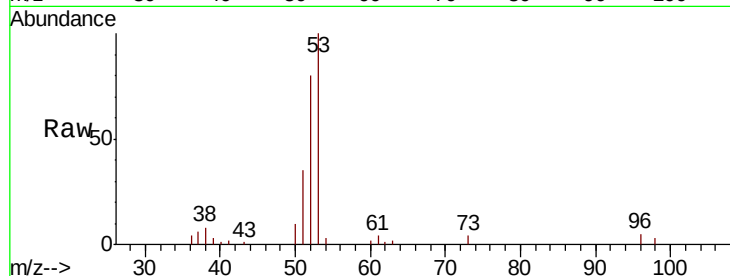
Tot Ion: 53 Resp: 18876

Ion Ratio Lower Upper

53 100

52 82.5 67.4 101.2

51 36.0 30.2 45.2



#16

Acetone

Concen: 110.090 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007499.D

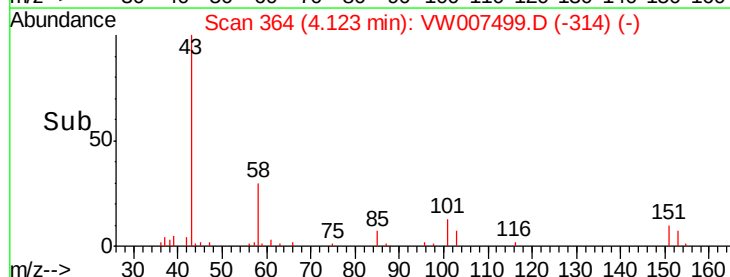
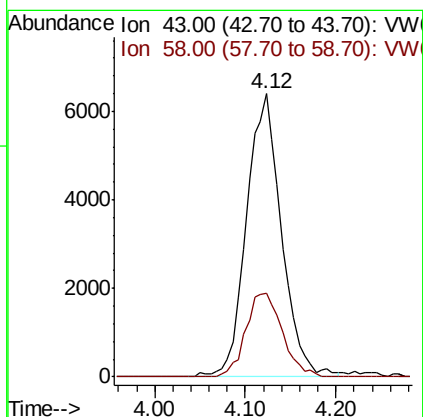
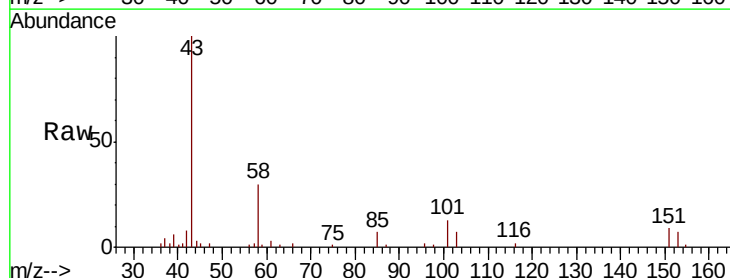
Acq: 13 Dec 2018 22:05

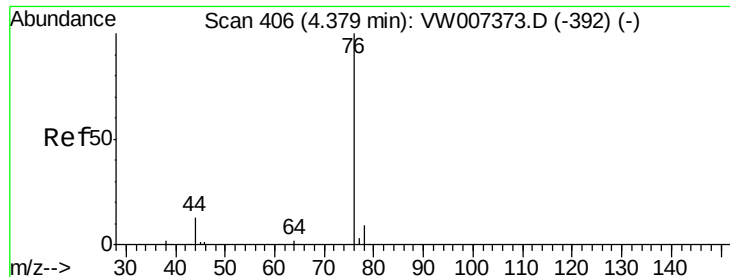
Tgt Ion: 43 Resp: 17080

Ion Ratio Lower Upper

43 100

58 29.7 24.9 37.3

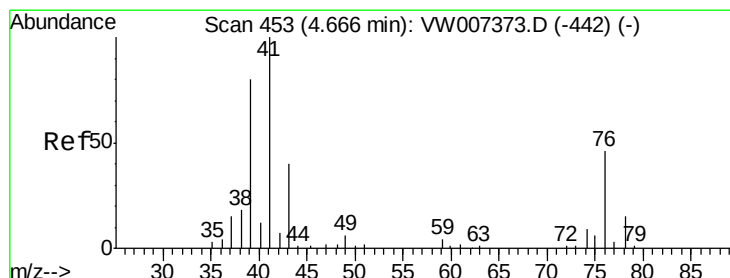
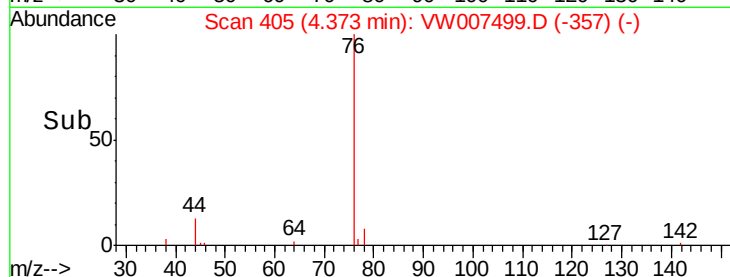
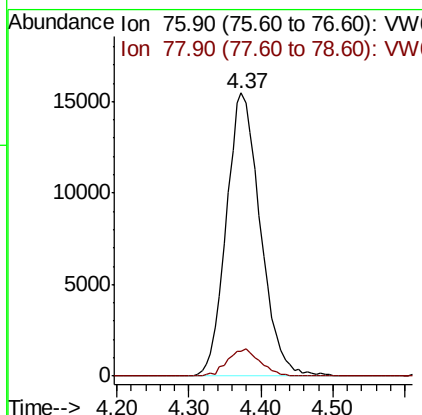
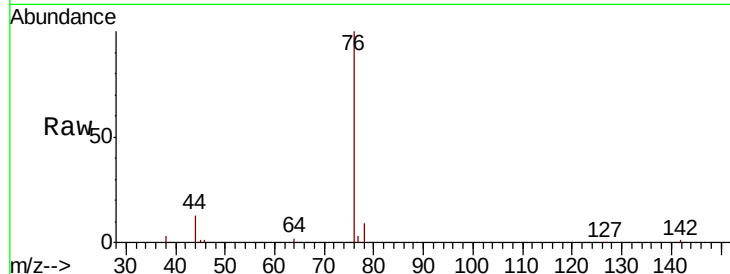




#17
Carbon Disulfide
Concen: 21.335 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

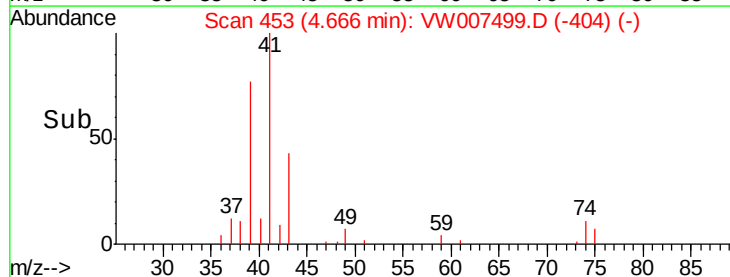
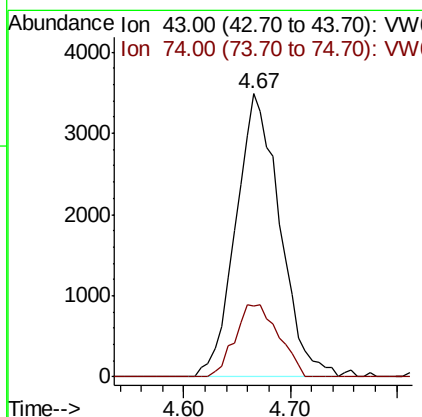
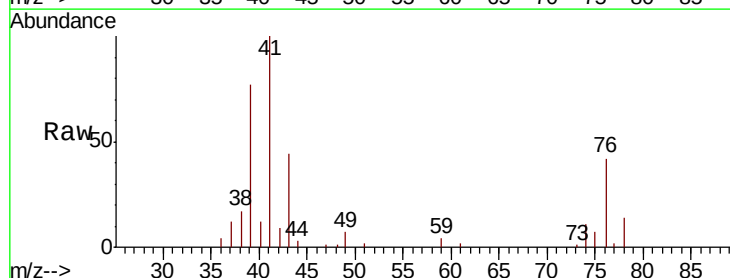
Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

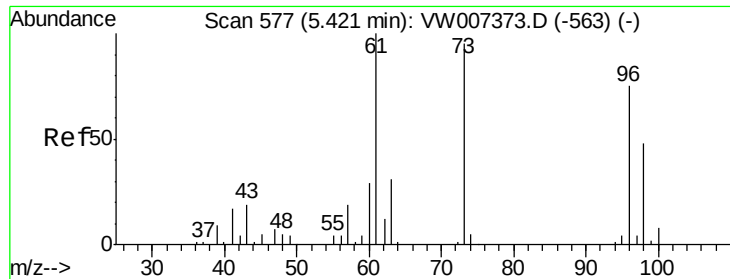
Tot Ion: 76 Resp: 50807
Ion Ratio Lower Upper
76 100
78 8.7 7.1 10.7



#18
Methyl Acetate
Concen: 24.029 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Tgt Ion: 43 Resp: 10118
Ion Ratio Lower Upper
43 100
74 25.3 21.1 31.7



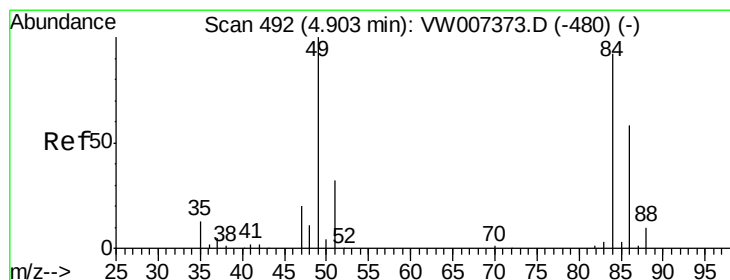
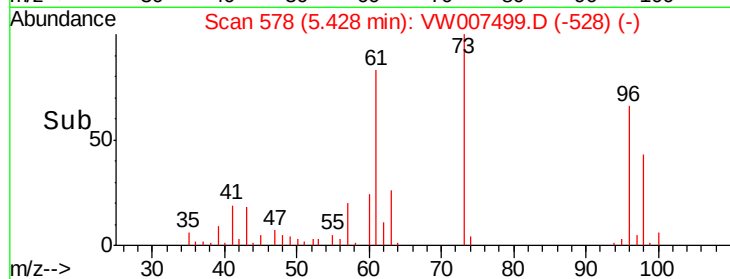
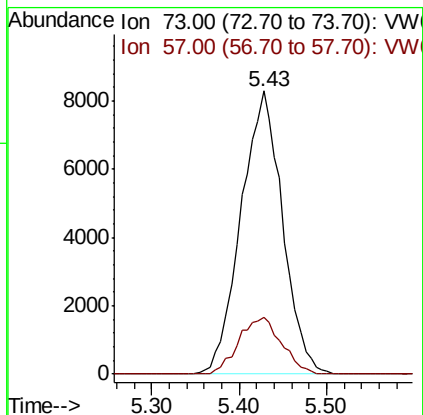
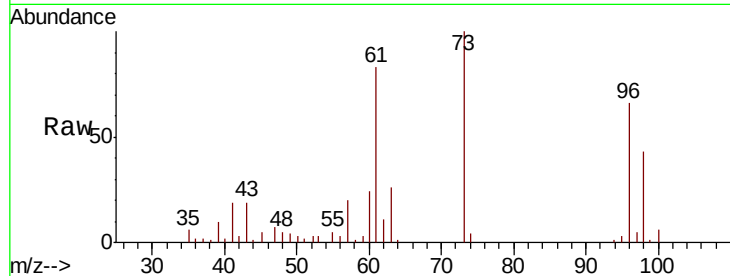


#19

Methyl tert-butyl Ether
 Concen: 23.108 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW007499.D
 Acq: 13 Dec 2018 22:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS02

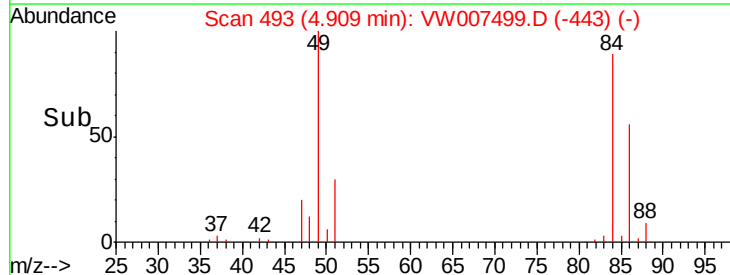
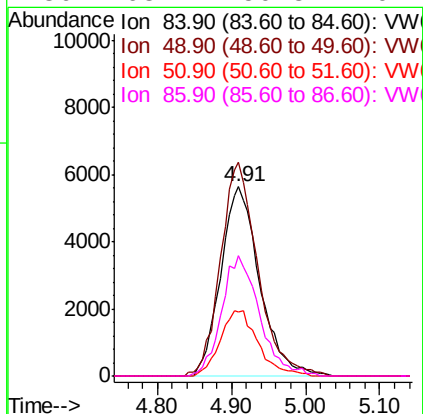
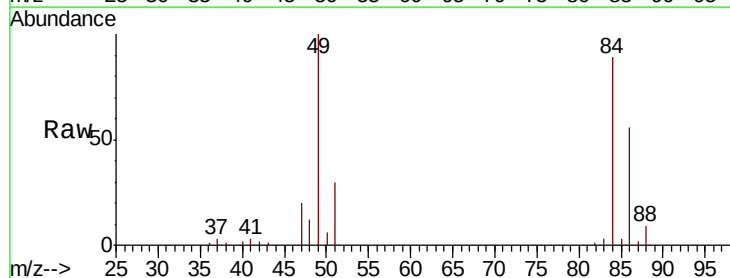
Tot Ion: 73 Resp: 27378
 Ion Ratio Lower Upper
 73 100
 57 20.1 16.4 24.6

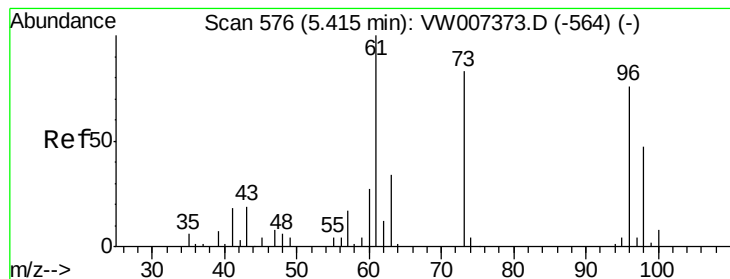


#20

Methylene Chloride
 Concen: 22.005 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.01 min
 Lab File: VW007499.D
 Acq: 13 Dec 2018 22:05

Tgt Ion: 84 Resp: 20531
 Ion Ratio Lower Upper
 84 100
 49 113.0 87.1 130.7
 51 33.9 28.2 42.2
 86 63.4 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 21.142 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS02

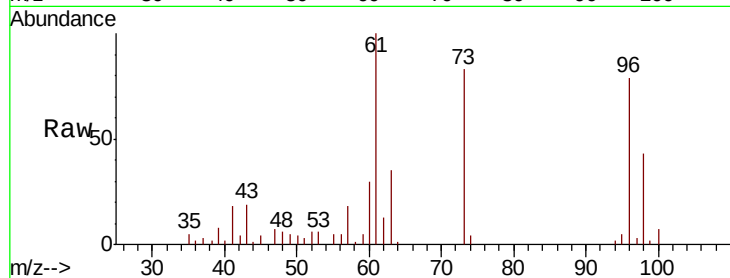
Tot Ion: 96 Resp: 18575

Ion Ratio Lower Upper

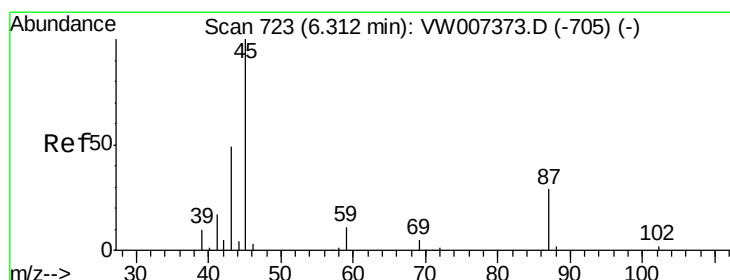
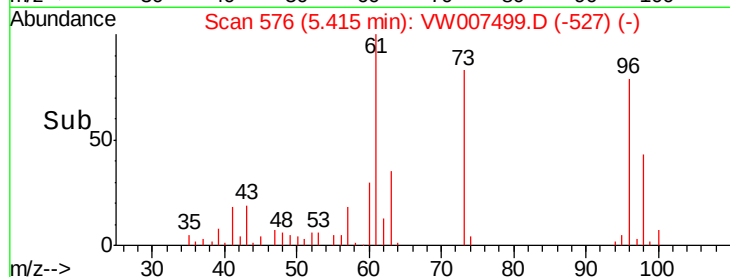
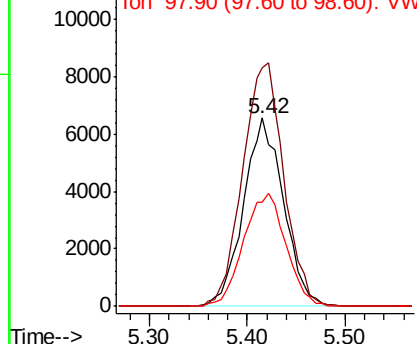
96 100

61 126.8 105.0 157.6

98 55.0 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: 21.483 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Tgt Ion: 45 Resp: 47804

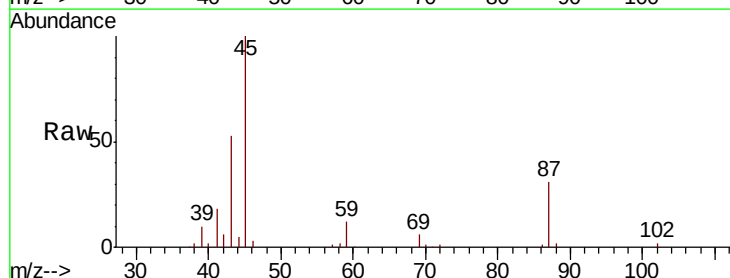
Ion Ratio Lower Upper

45 100

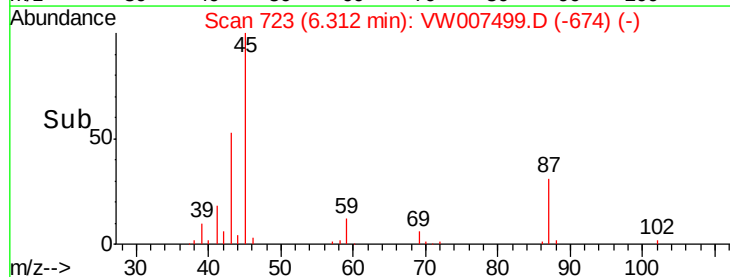
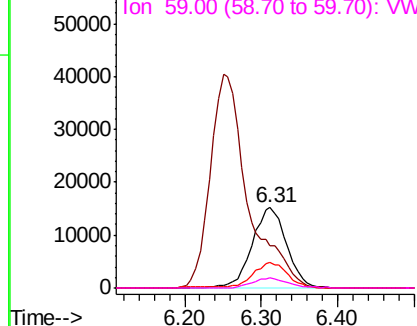
43 52.5 41.6 62.4

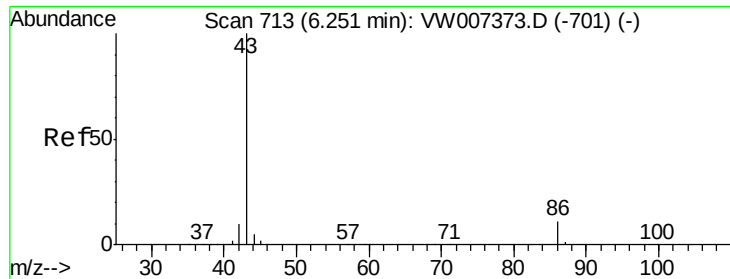
87 31.1 24.3 36.5

59 12.3 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: 111.127 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Instrument :

MSVOA_W

ClientSampleId :

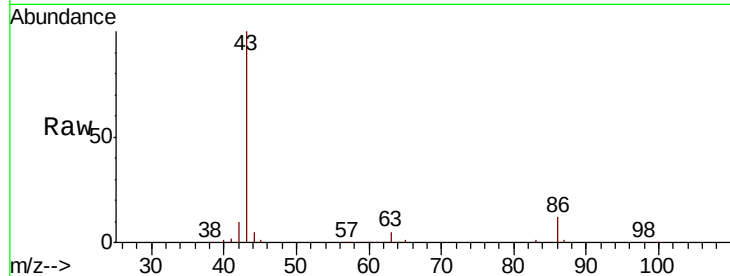
VW1216SBS02

Tot Ion: 43 Resp: 138313

Ion Ratio Lower Upper

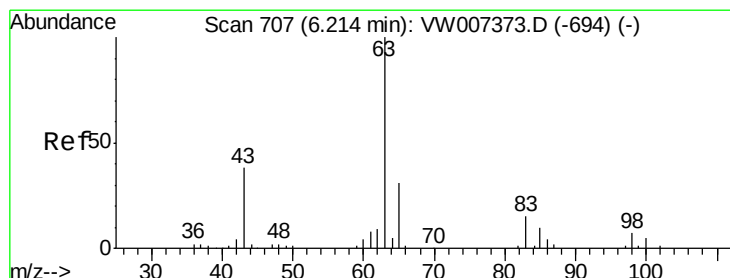
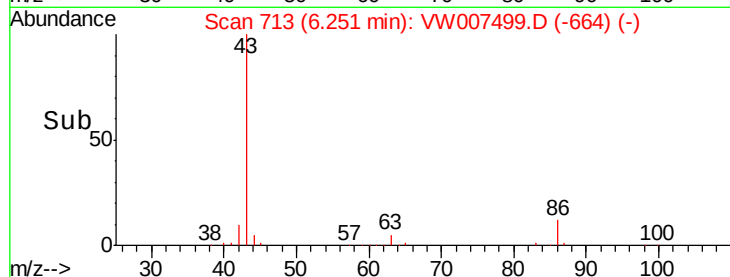
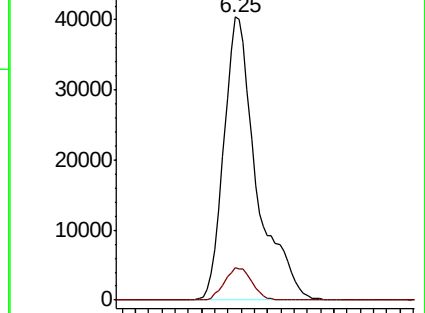
43 100

86 11.7 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: 21.140 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

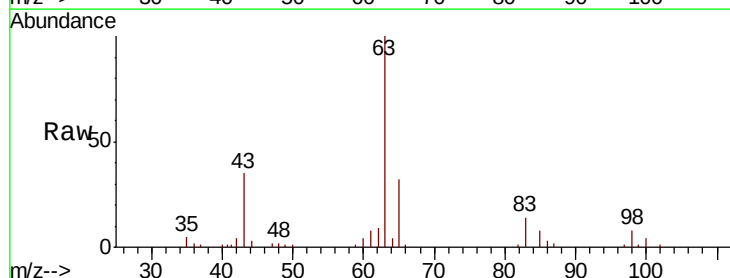
Tgt Ion: 63 Resp: 31793

Ion Ratio Lower Upper

63 100

98 7.9 3.5 10.4

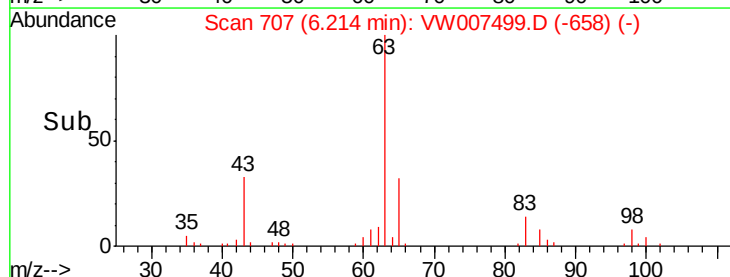
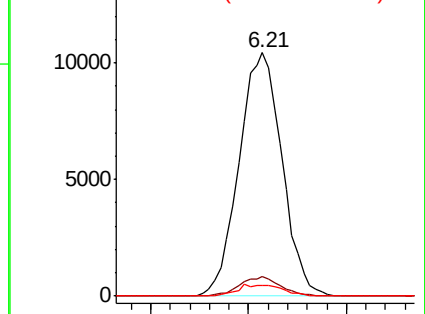
100 4.3 2.5 7.5

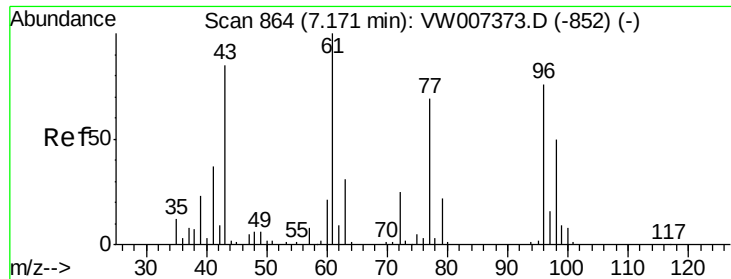


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

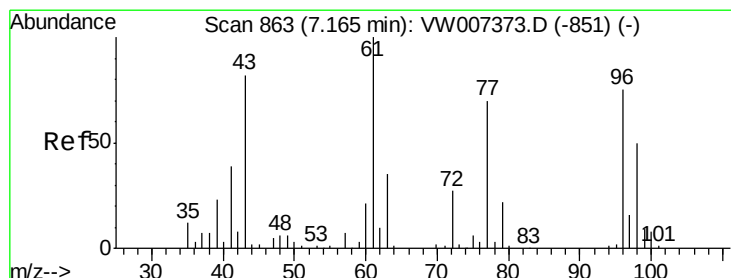
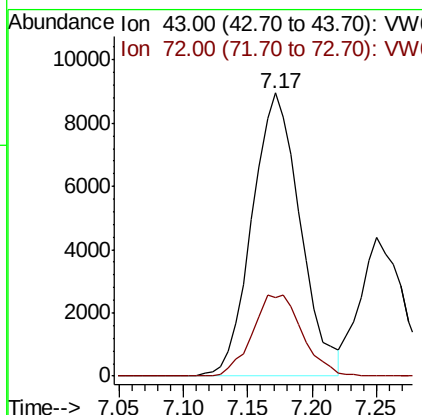
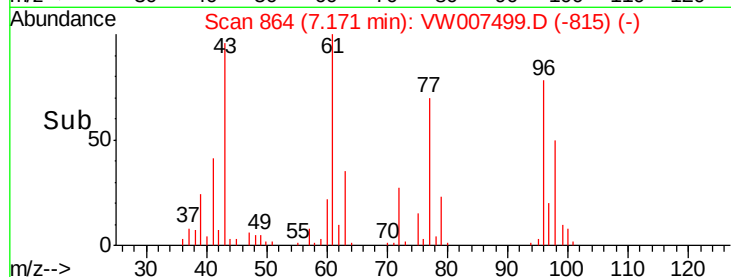
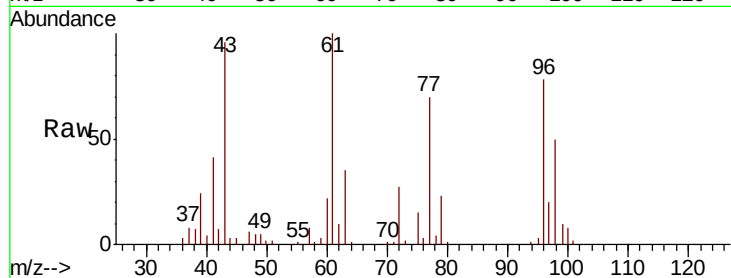




#25
2-Butanone
Concen: 114.785 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

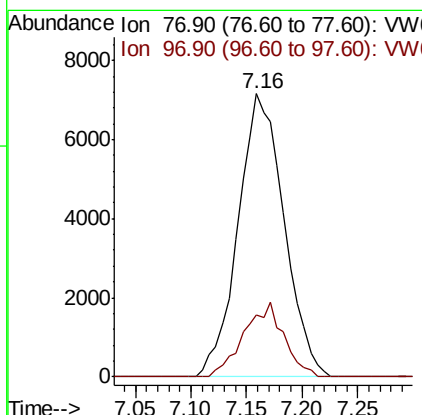
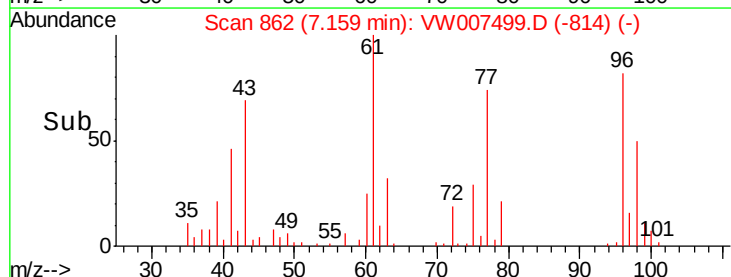
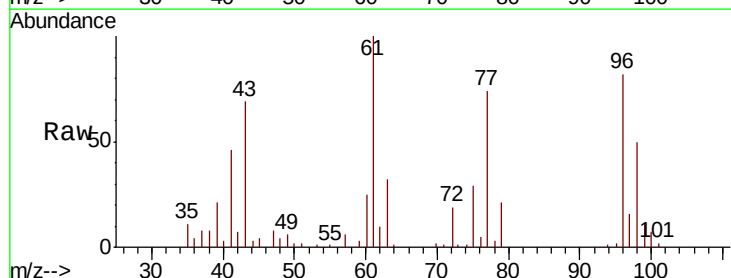
Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

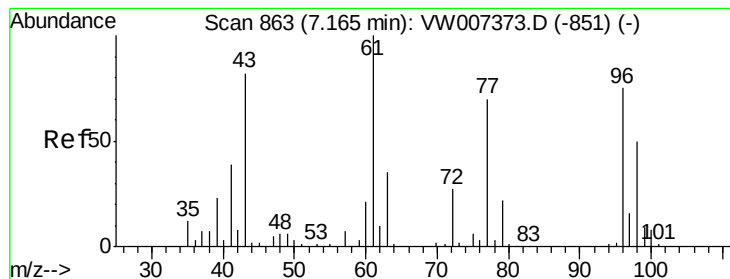
Tot Ion: 43 Resp: 23249
Ion Ratio Lower Upper
43 100
72 28.0 23.4 35.2



#26
2,2-Dichloropropane
Concen: 20.612 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Tgt Ion: 77 Resp: 20516
Ion Ratio Lower Upper
77 100
97 22.8 11.6 34.8



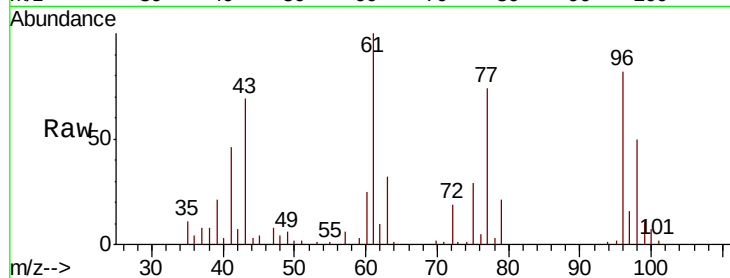


#27

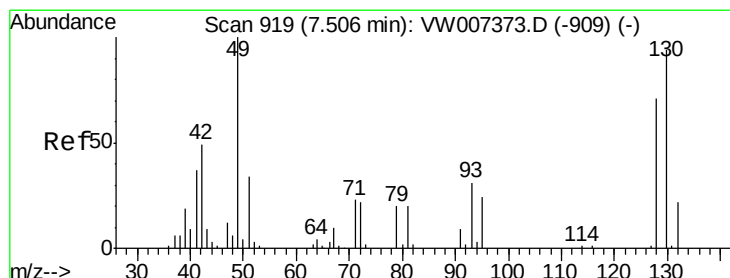
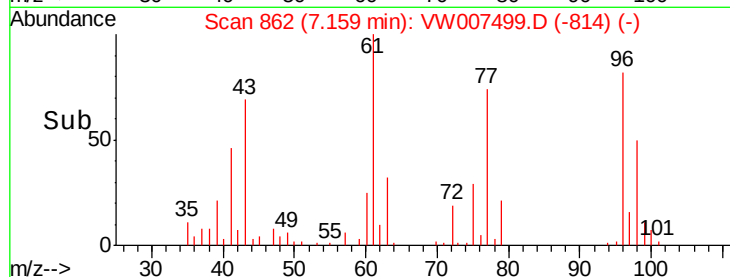
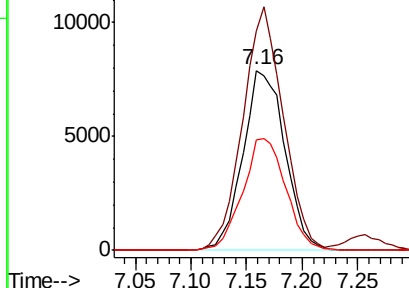
cis-1,2-Dichloroethene
 Concen: 21.583 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW007499.D
 Acq: 13 Dec 2018 22:05

Instrument :
 MSVOA_W
 ClientSampled :
 VW1216SBS02

Tot Ion: 96 Resp: 20763
 Ion Ratio Lower Upper
 96 100
 61 130.3 0.0 268.4
 98 63.8 0.0 127.8



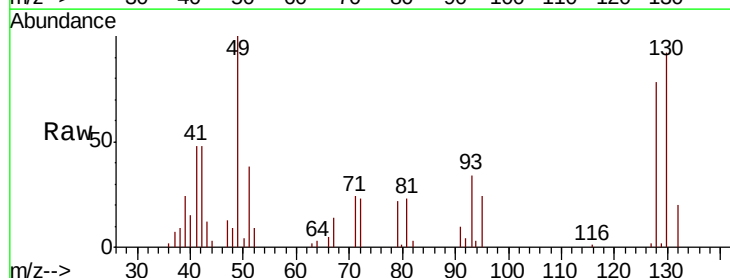
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



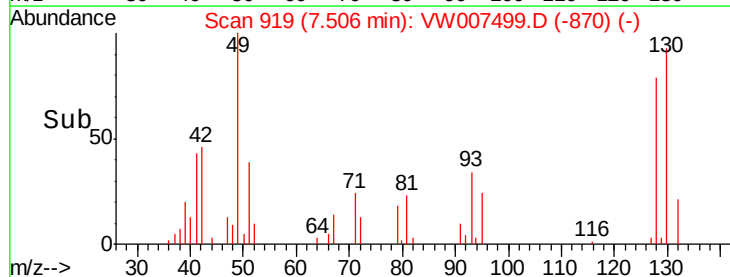
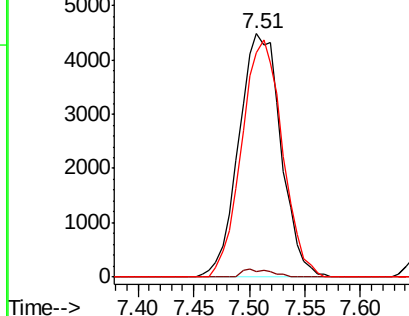
#28

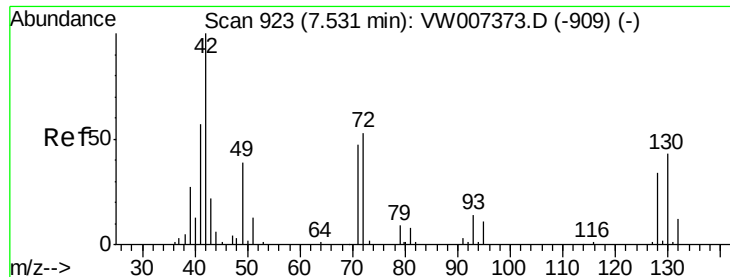
Bromochloromethane
 Concen: 20.914 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW007499.D
 Acq: 13 Dec 2018 22:05

Tgt Ion: 49 Resp: 11831
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 2.6
 130 93.9 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

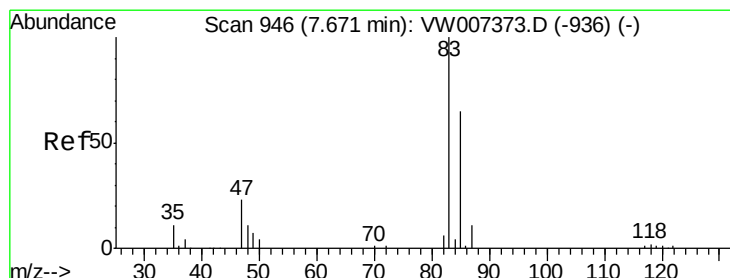
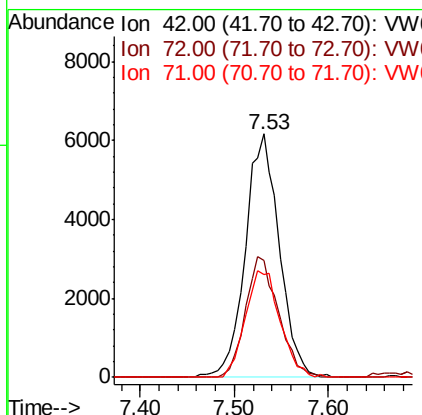
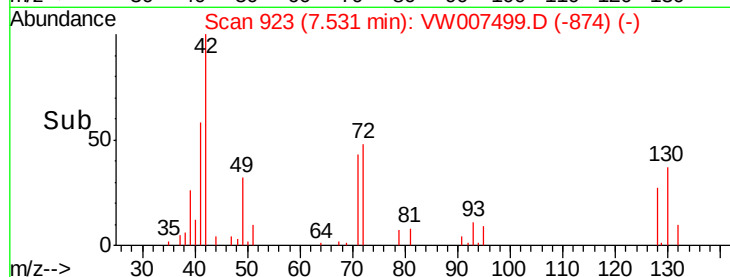
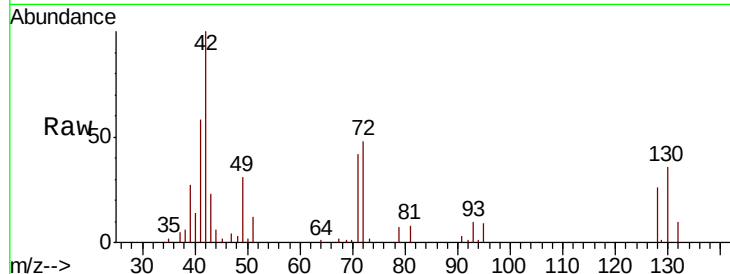




#29
Tetrahydrofuran
Concen: 121.662 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

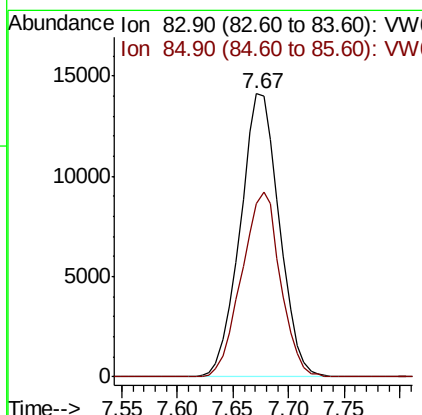
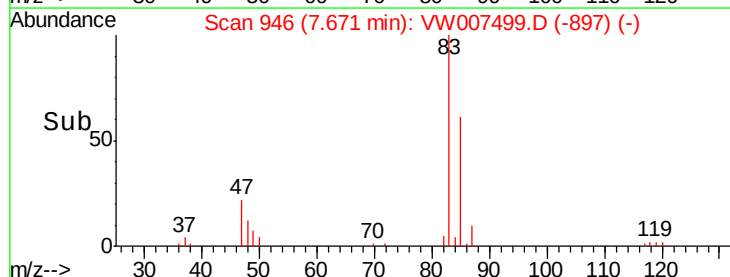
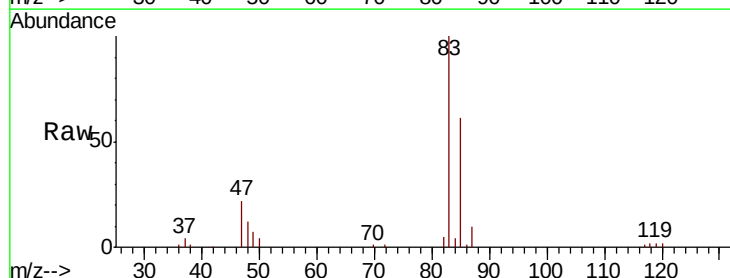
Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

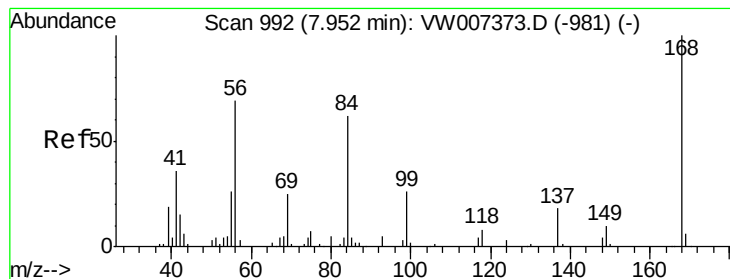
Tot Ion: 42 Resp: 15600
Ion Ratio Lower Upper
42 100
72 47.9 38.2 57.4
71 44.9 35.5 53.3



#30
Chloroform
Concen: 21.024 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Tgt Ion: 83 Resp: 34408
Ion Ratio Lower Upper
83 100
85 61.3 51.8 77.8





#31

Cyclohexane

Concen: 21.301 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS02

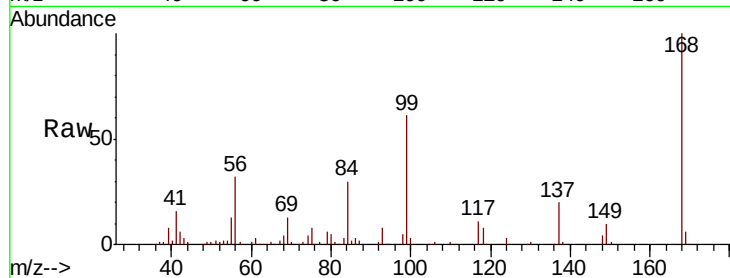
Tot Ion: 56 Resp: 29392

Ion Ratio Lower Upper

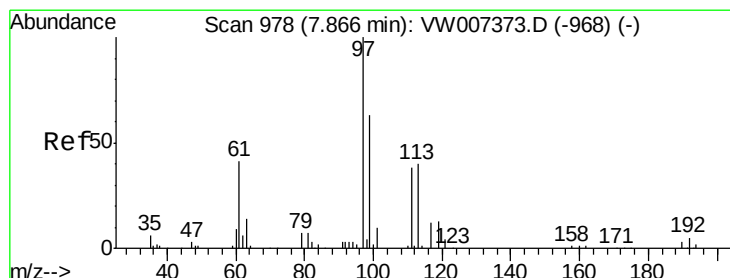
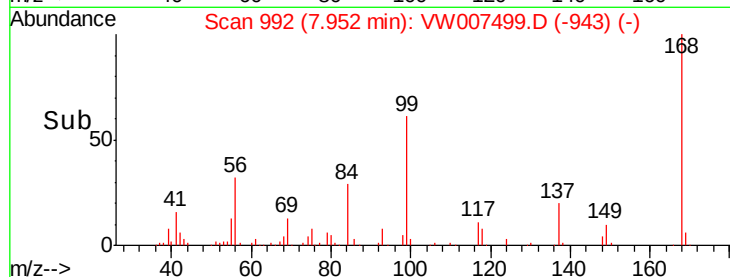
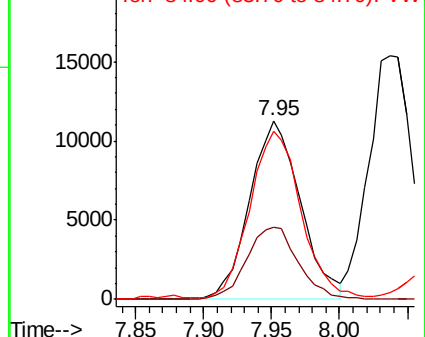
56 100

69 40.1 28.9 43.3

84 93.0 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: 20.308 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

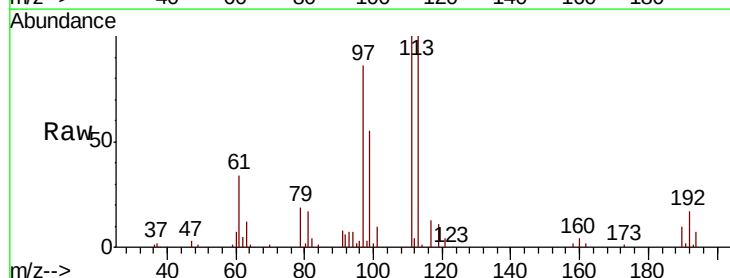
Tgt Ion: 97 Resp: 29147

Ion Ratio Lower Upper

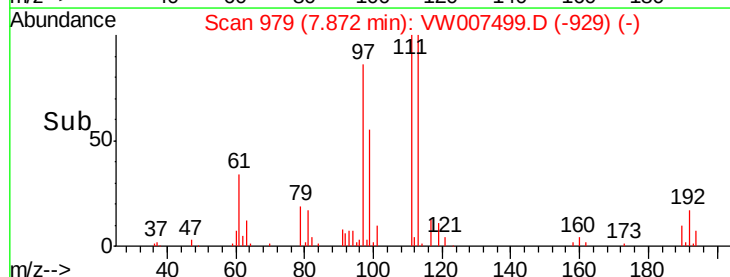
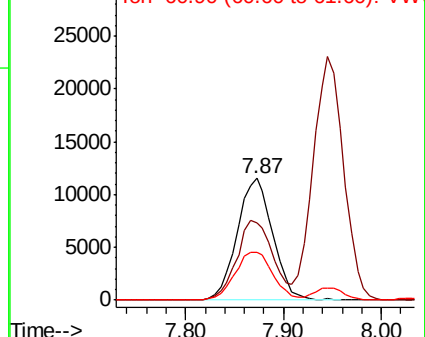
97 100

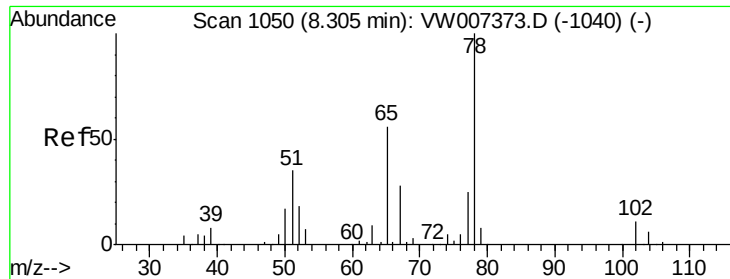
99 67.1 51.1 76.7

61 41.8 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

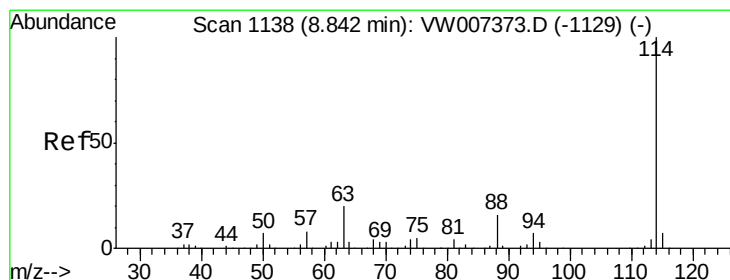
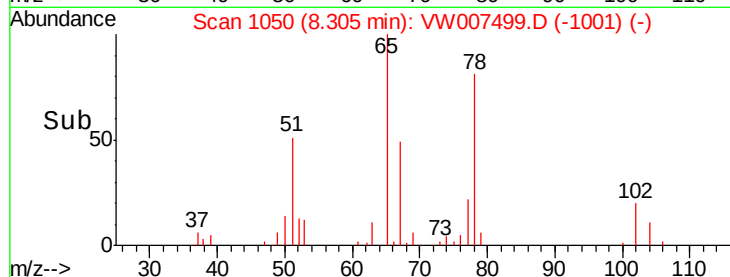
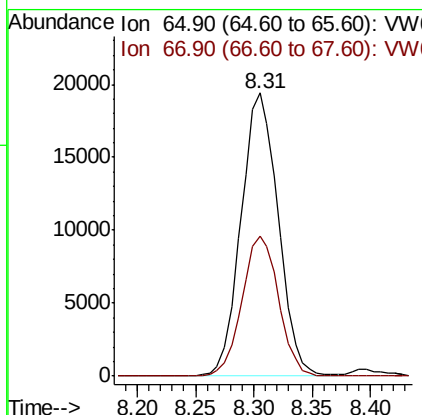
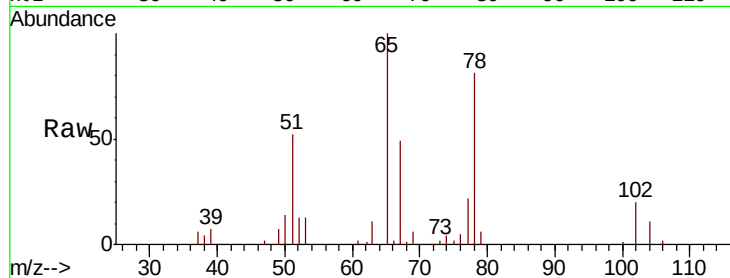




#33
 1,2-Dichloroethane-d4
 Concen: 48.585 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW007499.D
 Acq: 13 Dec 2018 22:05

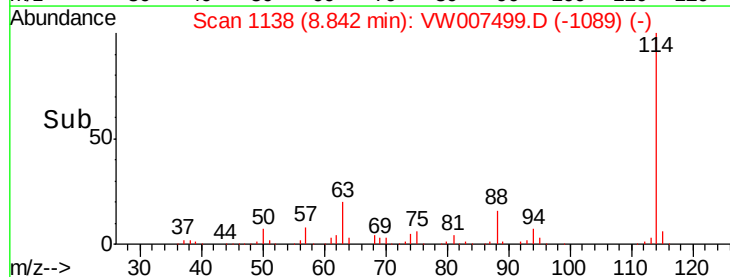
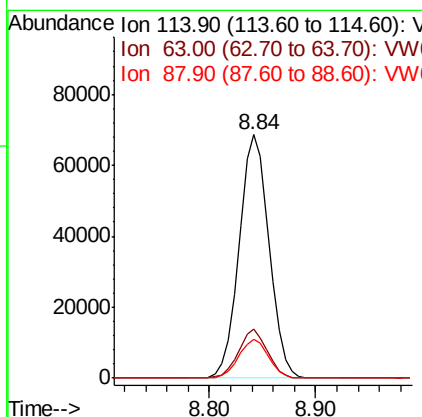
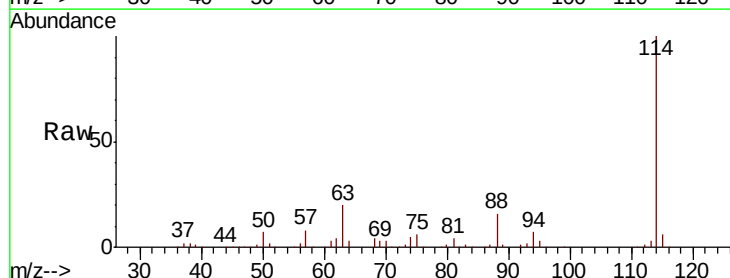
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS02

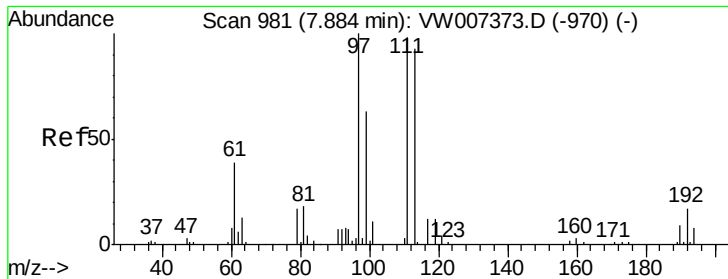
Tot Ion: 65 Resp: 43154
 Ion Ratio Lower Upper
 65 100
 67 48.4 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007499.D
 Acq: 13 Dec 2018 22:05

Tgt Ion: 114 Resp: 135214
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.6
 88 15.8 0.0 31.4

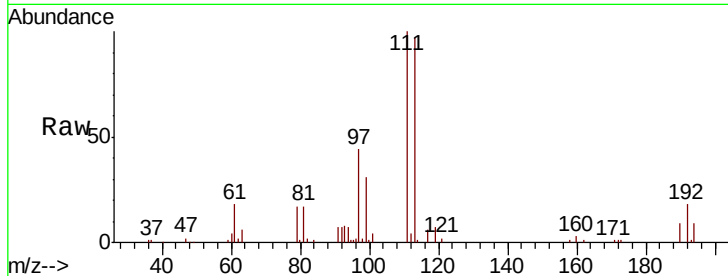




#35
 Dibromofluoromethane
 Concen: 49.305 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW007499.D
 Acq: 13 Dec 2018 22:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS02

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.1	121.7
192	17.9	14.6	21.8

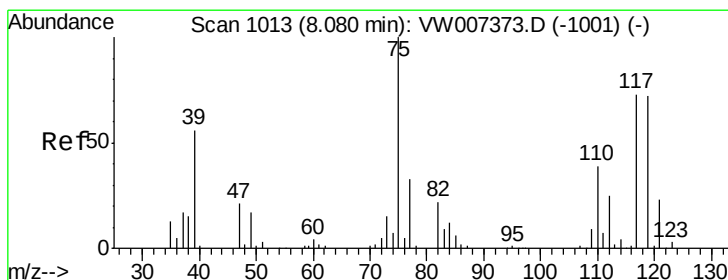
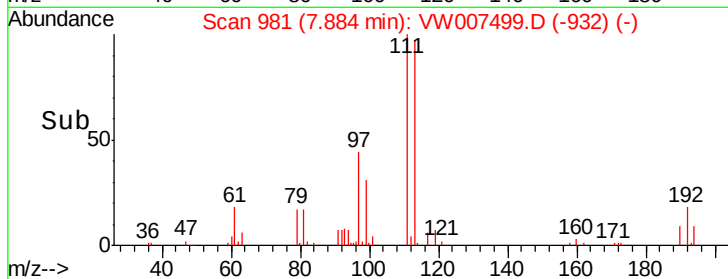
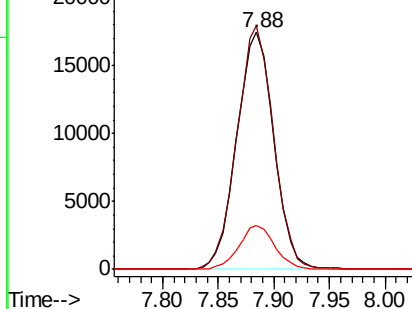


Abundance

Ion 112.80 (112.50 to 113.50): V

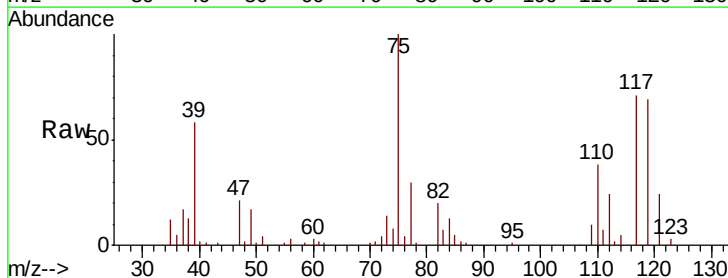
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 21.195 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW007499.D
 Acq: 13 Dec 2018 22:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.4	18.5	55.5
77	31.9	25.6	38.4

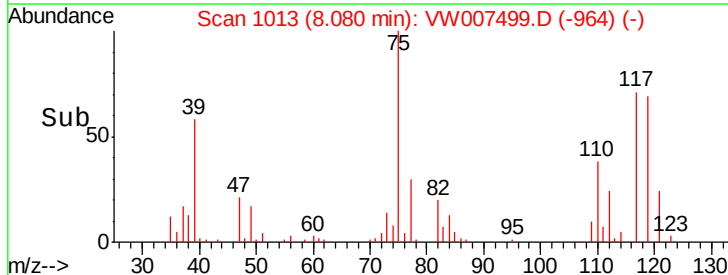
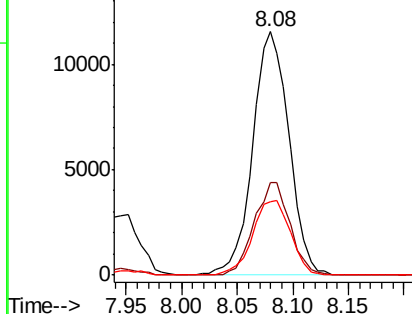


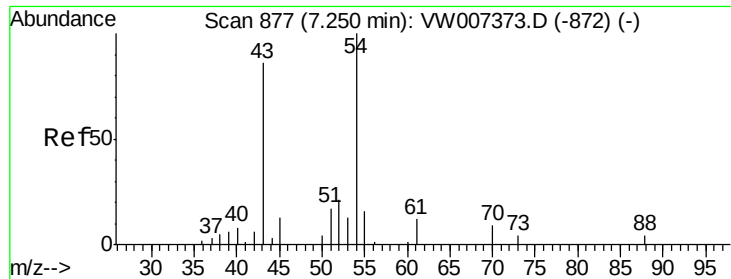
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

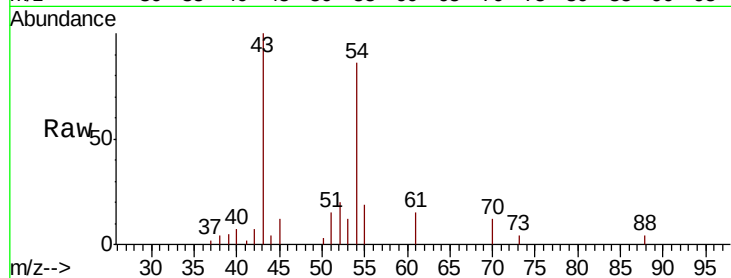




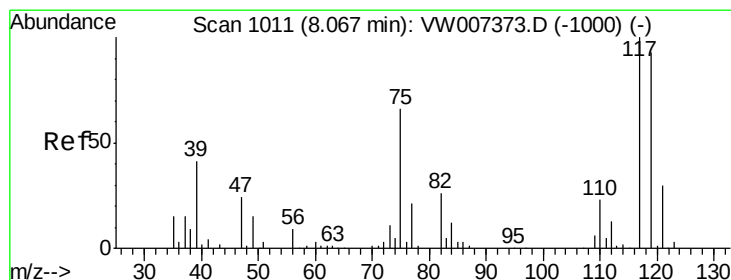
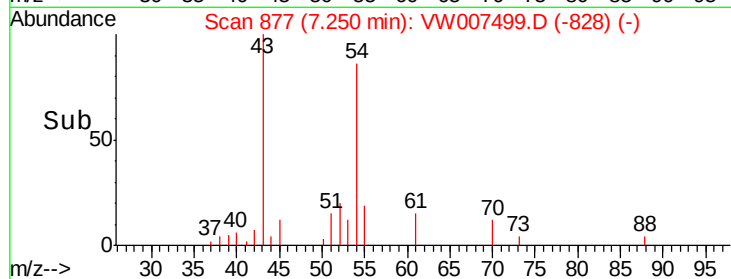
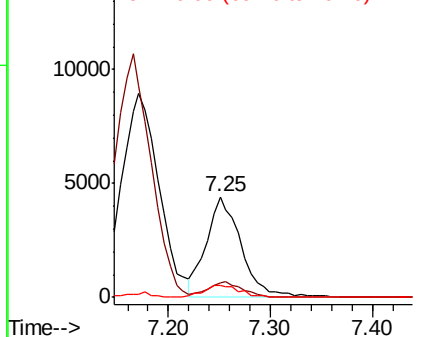
#37
Ethyl Acetate
Concen: 23.042 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Instrument :
MSVOA_W
ClientSampled :
VW1216SBS02

Tot Ion: 43 Resp: 10571
Ion Ratio Lower Upper
43 100
61 15.3 12.1 18.1
70 12.2 10.0 15.0

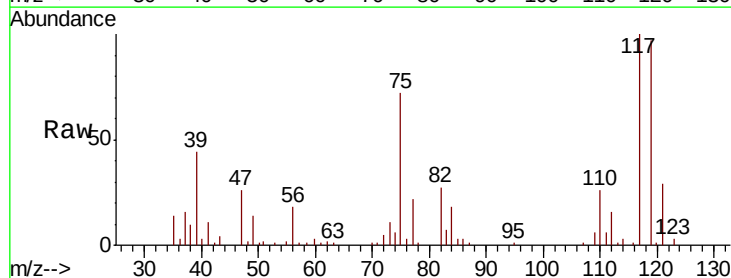


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

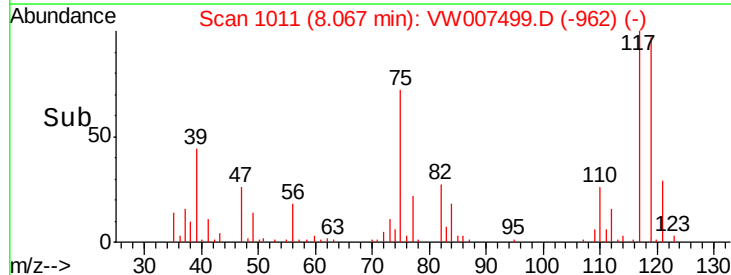
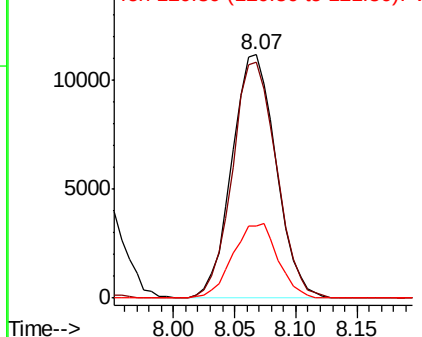


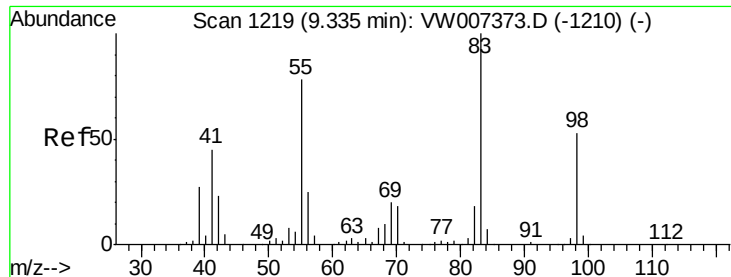
#38
Carbon Tetrachloride
Concen: 20.874 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Tgt Ion: 117 Resp: 28015
Ion Ratio Lower Upper
117 100
119 97.1 74.3 111.5
121 29.5 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

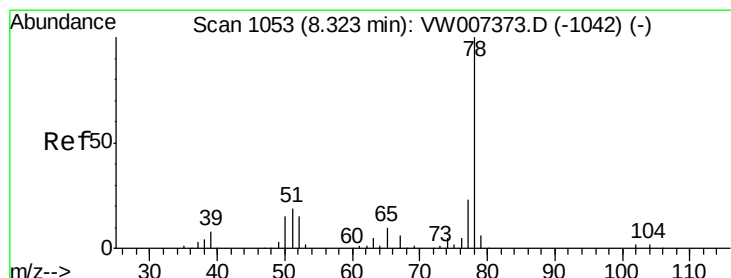
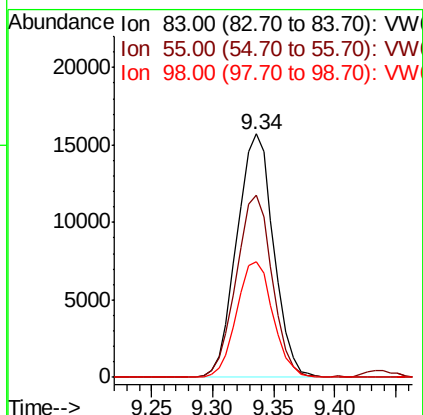
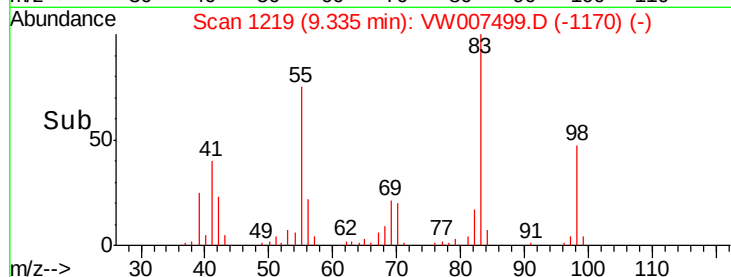
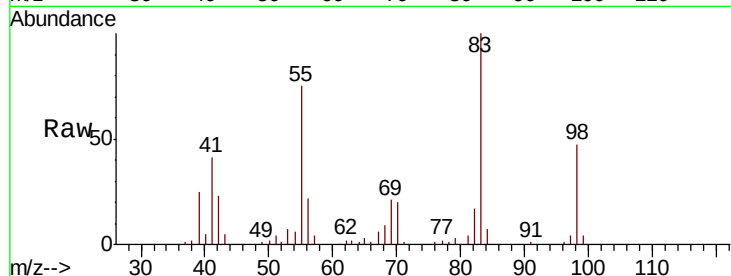




#39
Methylvlcyclohexane
Concen: 22.033 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

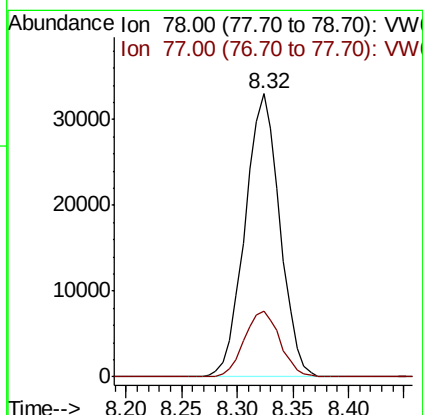
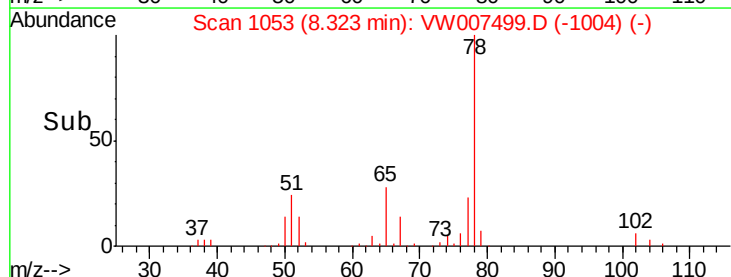
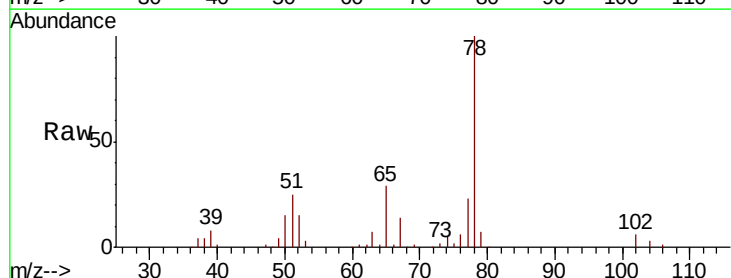
Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

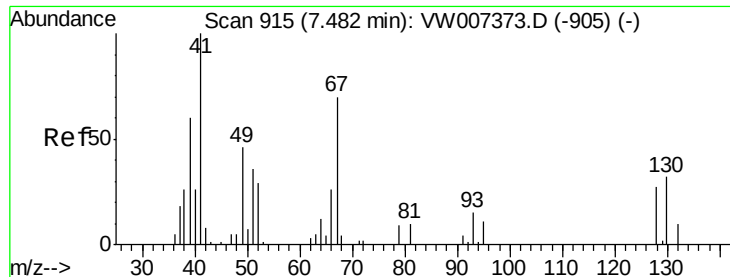
Tot Ion: 83 Resp: 32908
Ion Ratio Lower Upper
83 100
55 74.6 62.8 94.2
98 47.4 42.2 63.2



#40
Benzene
Concen: 20.973 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Tgt Ion: 78 Resp: 71793
Ion Ratio Lower Upper
78 100
77 23.1 18.8 28.2

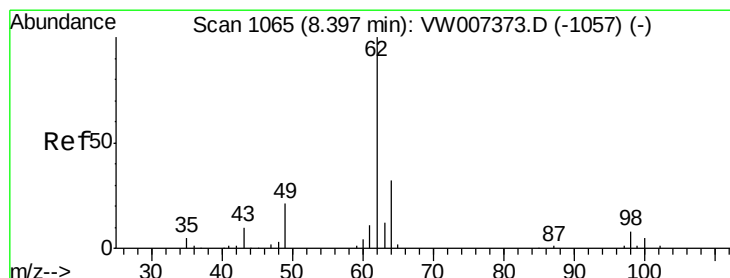
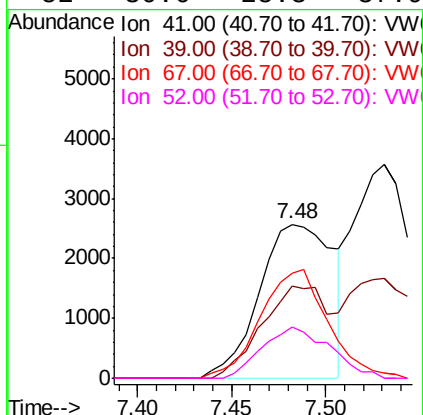
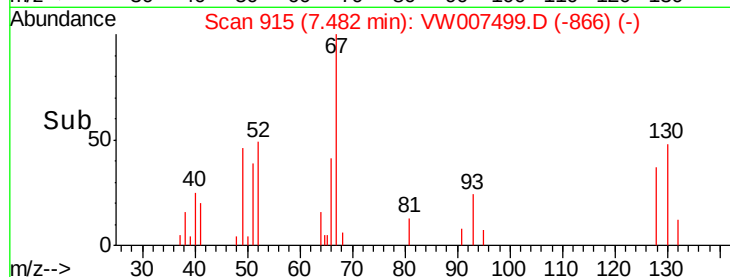
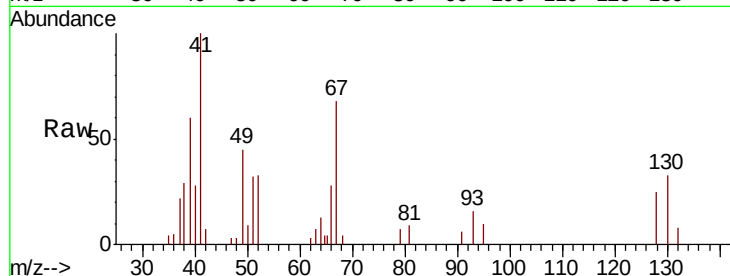




#41
Methacrylonitrile
Concen: 26.748 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

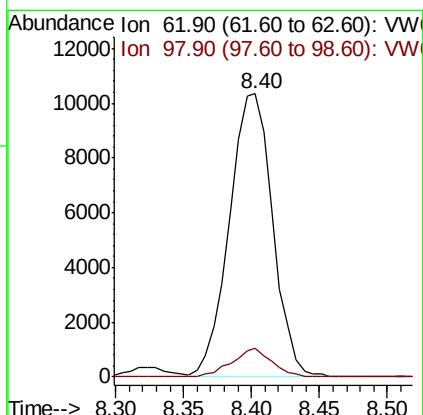
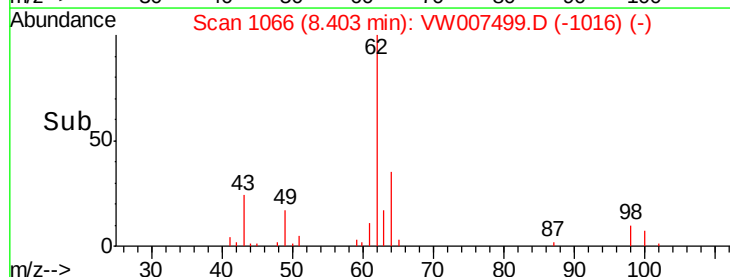
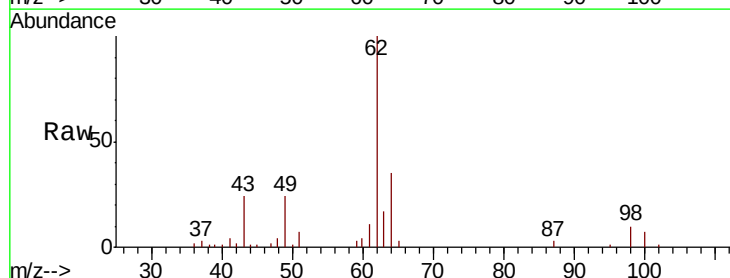
Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

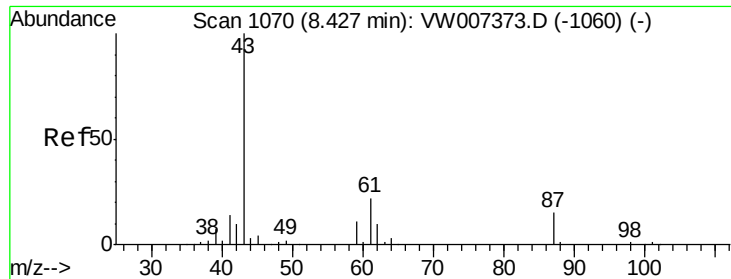
Tot Ion: 41 Resp: 6988
Ion Ratio Lower Upper
41 100
39 50.3 52.2 78.2#
67 64.1 60.5 90.7
52 30.6 25.3 37.9



#42
1,2-Dichloroethane
Concen: 21.322 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Tgt Ion: 62 Resp: 22927
Ion Ratio Lower Upper
62 100
98 9.2 0.0 17.6





#43

Isopropyl Acetate

Concen: 23.272 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Instrument :

MSVOA_W

ClientSampled :

VW1216SBS02

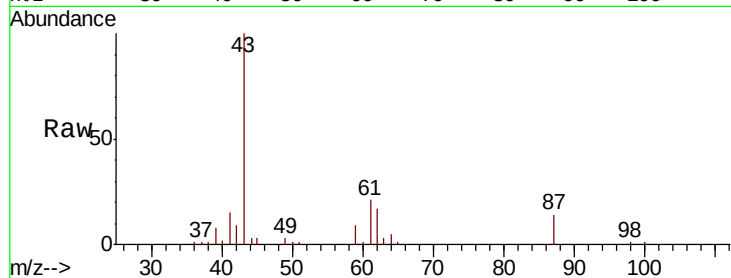
Tot Ion: 43 Resp: 21089

Ion Ratio Lower Upper

43 100

61 31.1 25.3 37.9

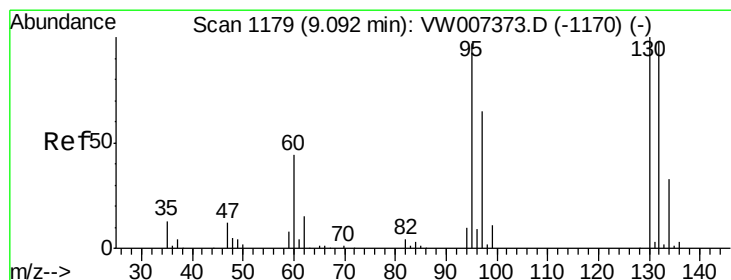
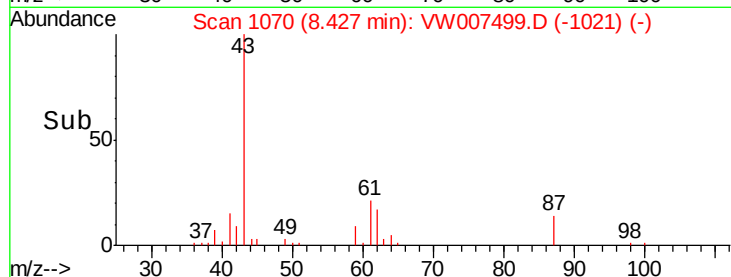
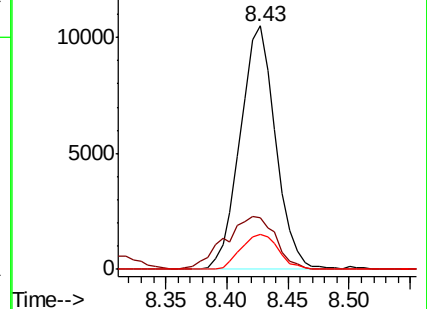
87 15.2 11.8 17.8



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: 21.341 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW007499.D

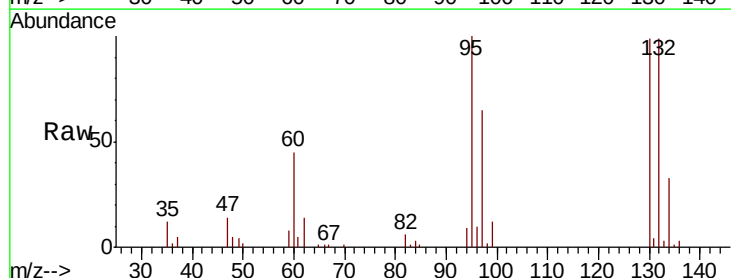
Acq: 13 Dec 2018 22:05

Tgt Ion:130 Resp: 20861

Ion Ratio Lower Upper

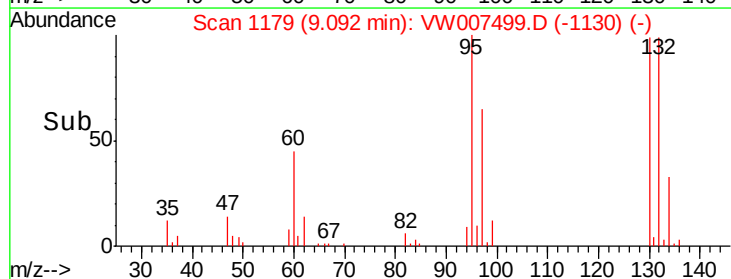
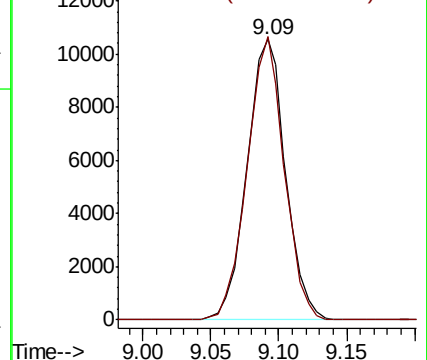
130 100

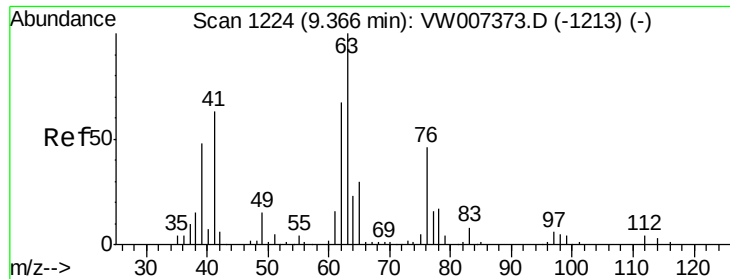
95 100.9 0.0 193.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 21.632 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Instrument :

MSVOA_W

ClientSampleId :

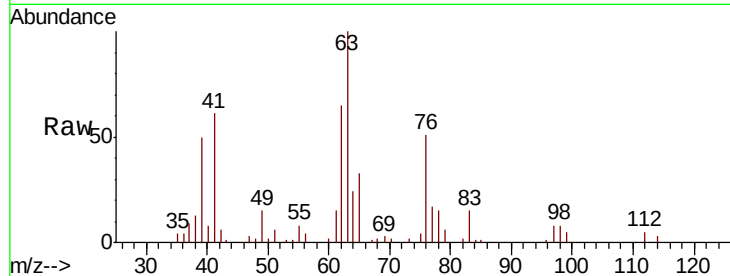
VW1216SBS02

Tot Ion: 63 Resp: 17136

Ion Ratio Lower Upper

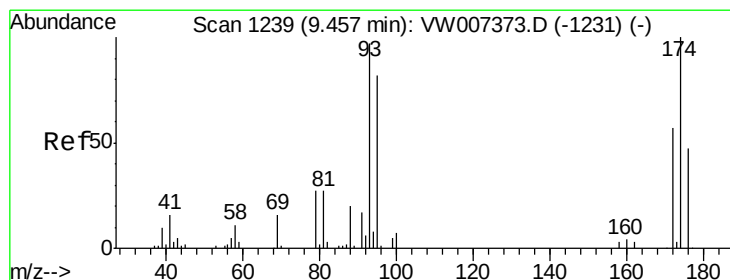
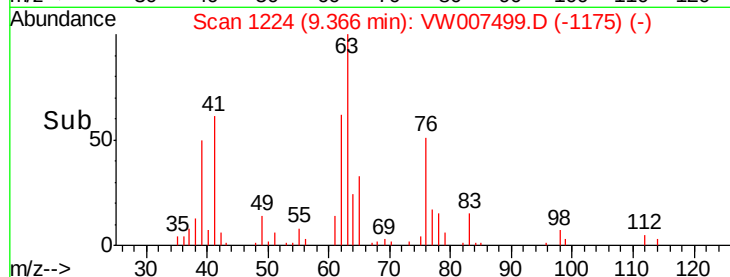
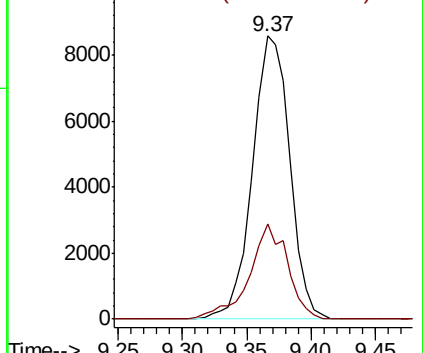
63 100

65 33.5 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 22.525 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

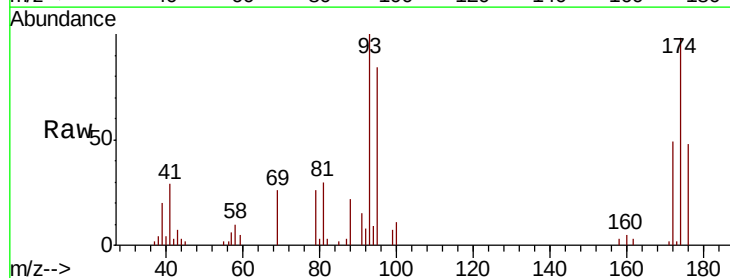
Tgt Ion: 93 Resp: 10133

Ion Ratio Lower Upper

93 100

95 80.9 68.0 102.0

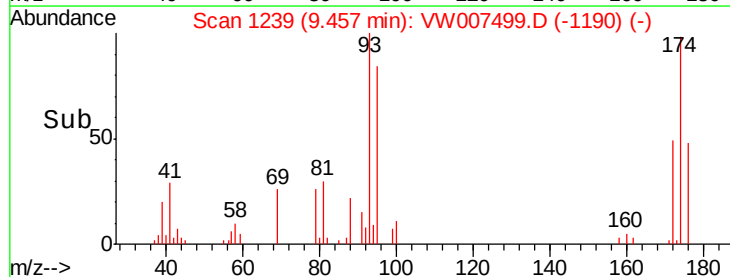
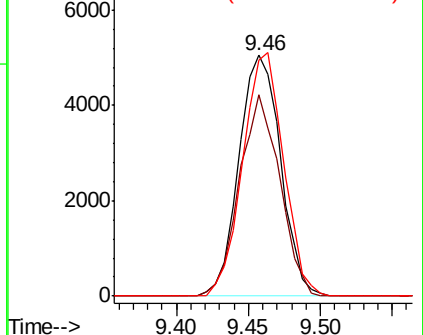
174 98.9 83.2 124.8

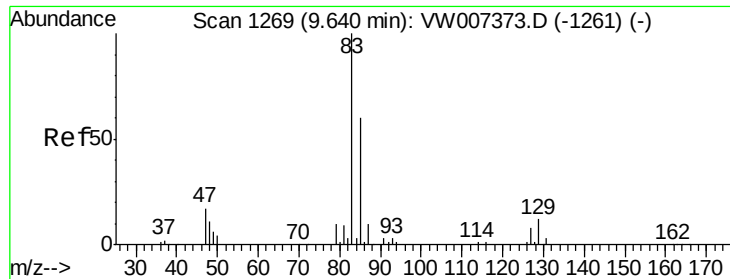


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.340 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS02

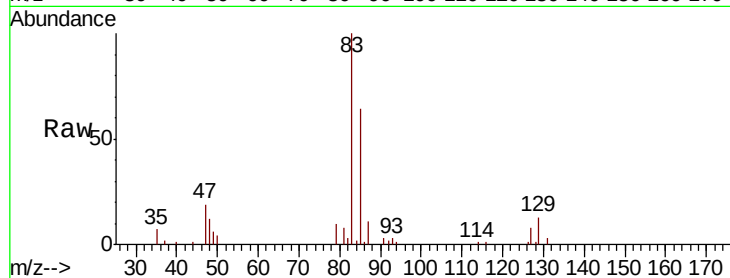
Tot Ion: 83 Resp: 25180

Ion Ratio Lower Upper

83 100

85 64.1 47.6 71.4

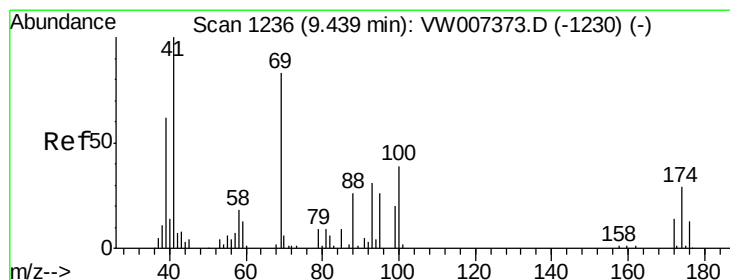
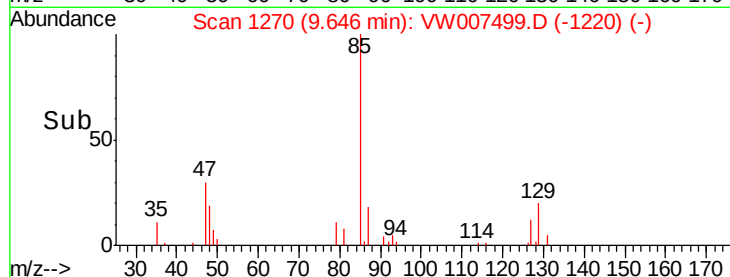
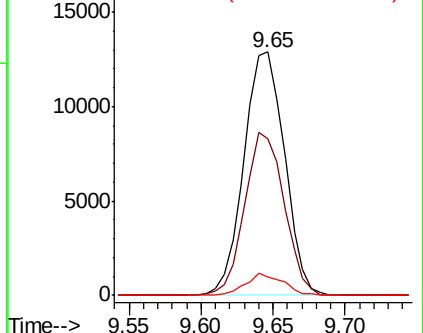
127 7.7 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 22.952 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

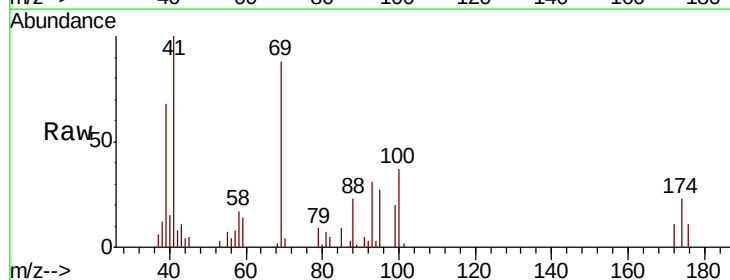
Tgt Ion: 41 Resp: 10682

Ion Ratio Lower Upper

41 100

69 87.6 69.8 104.8

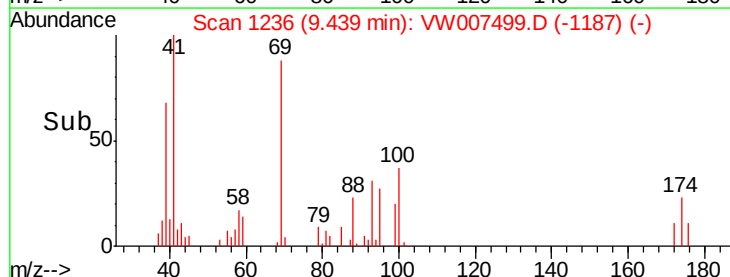
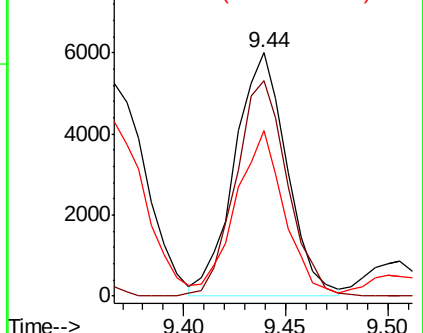
39 64.2 50.9 76.3

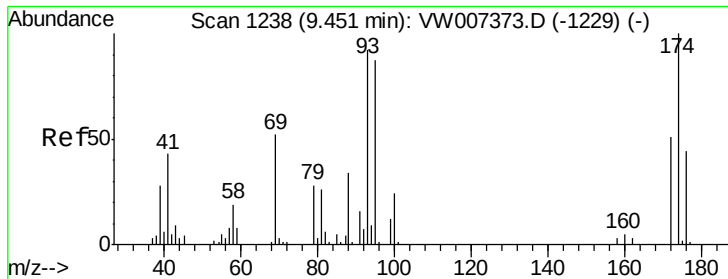


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

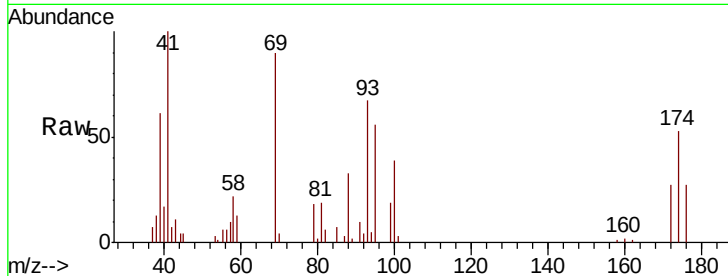




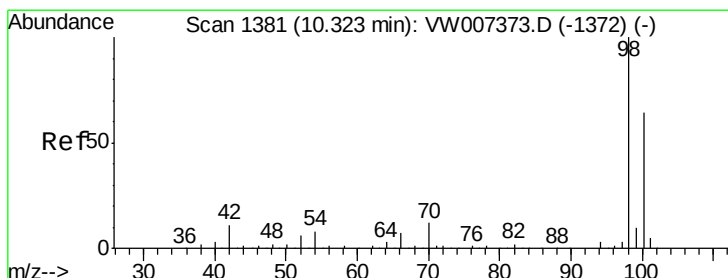
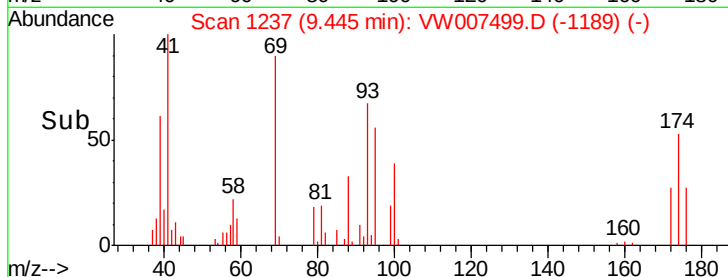
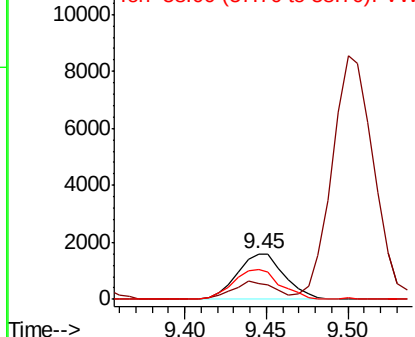
#49
 1,4-Dioxane
 Concen: 443.207 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. -0.01 min
 Lab File: VW007499.D
 Acq: 13 Dec 2018 22:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS02

Tot Ion: 88 Resp: 3235
 Ion Ratio Lower Upper
 88 100
 43 35.3 25.0 37.4
 58 65.1 51.4 77.2

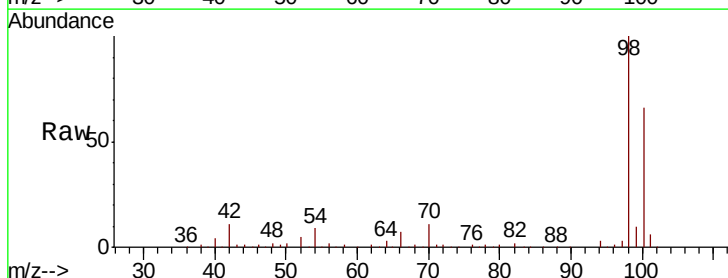


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

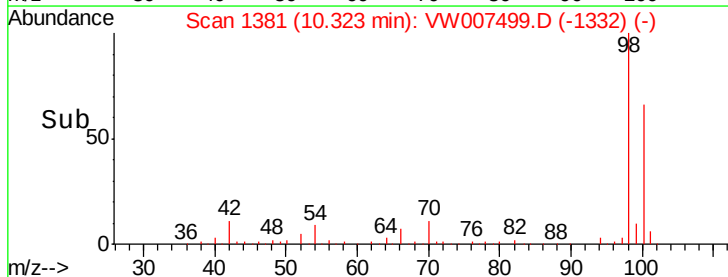
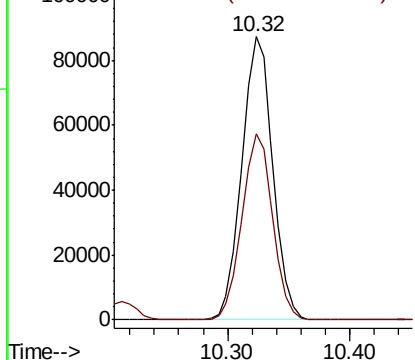


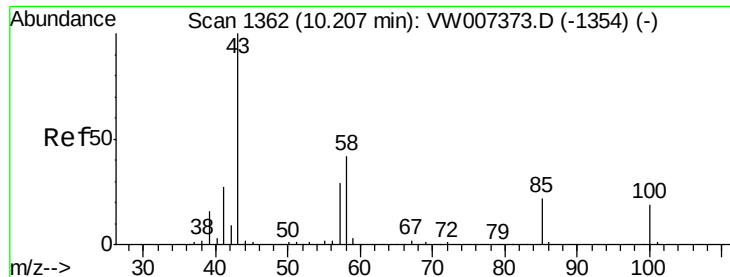
#50
 Toluene-d8
 Concen: 49.777 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW007499.D
 Acq: 13 Dec 2018 22:05

Tgt Ion: 98 Resp: 152764
 Ion Ratio Lower Upper
 98 100
 100 65.4 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: 122.234 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Instrument :

MSVOA_W

ClientSampleId :

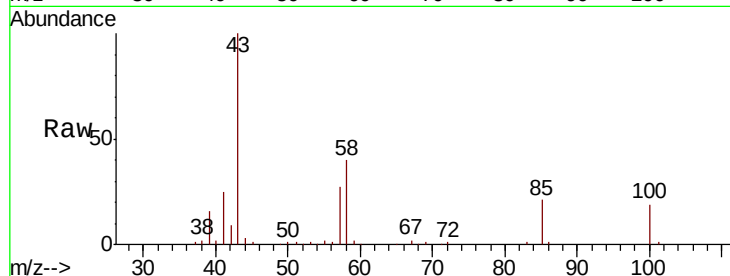
VW1216SBS02

Tot Ion: 43 Resp: 52339

Ion Ratio Lower Upper

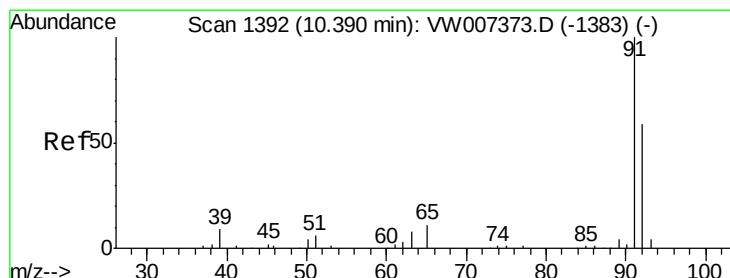
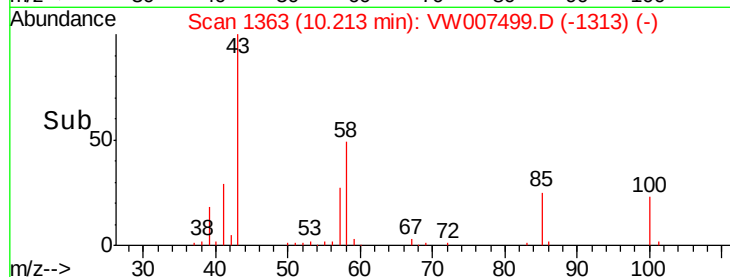
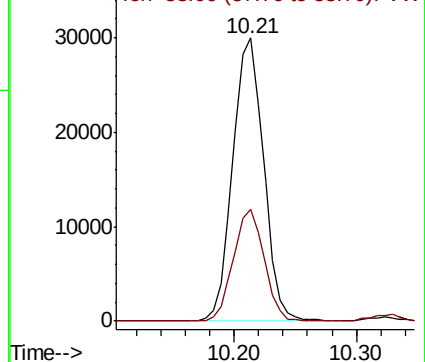
43 100

58 39.3 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 21.793 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW007499.D

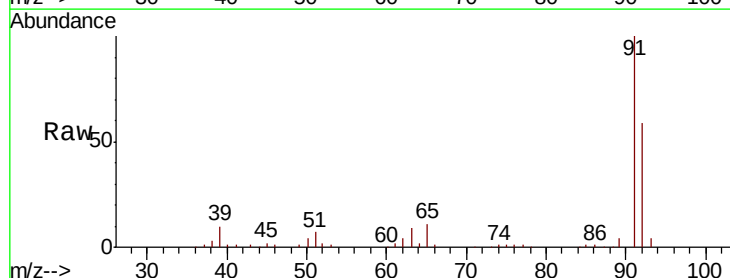
Acq: 13 Dec 2018 22:05

Tgt Ion: 92 Resp: 48276

Ion Ratio Lower Upper

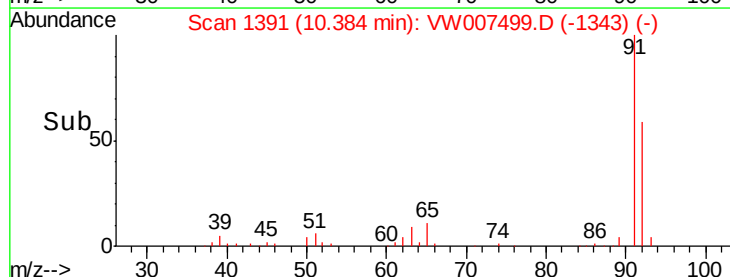
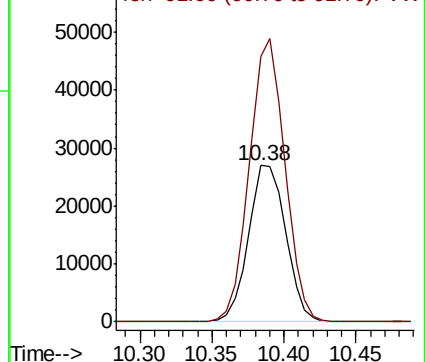
92 100

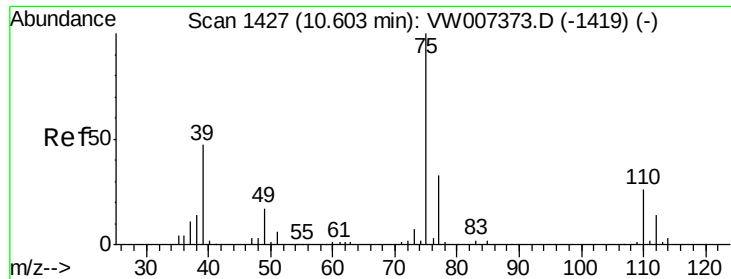
91 172.6 136.2 204.2



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 22.211 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Instrument :

MSVOA_W

ClientSampleId :

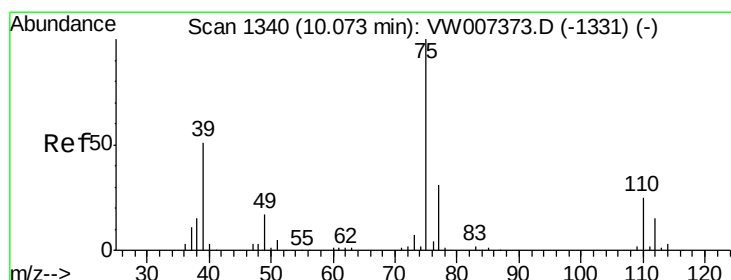
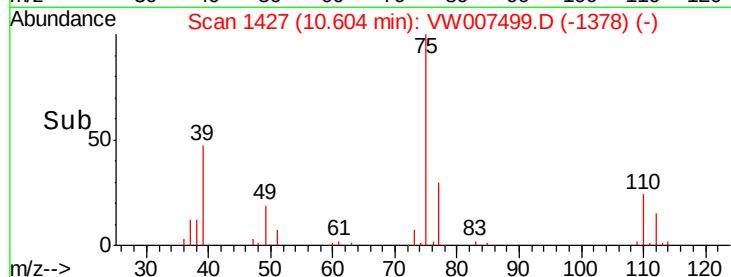
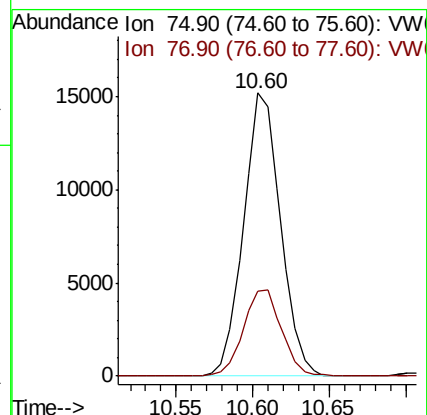
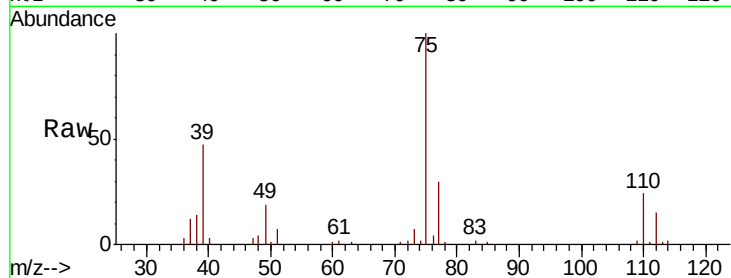
VW1216SBS02

Tot Ion: 75 Resp: 25443

Ion Ratio Lower Upper

75 100

77 30.2 26.2 39.4



#54

cis-1,3-Dichloropropene

Concen: 21.745 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

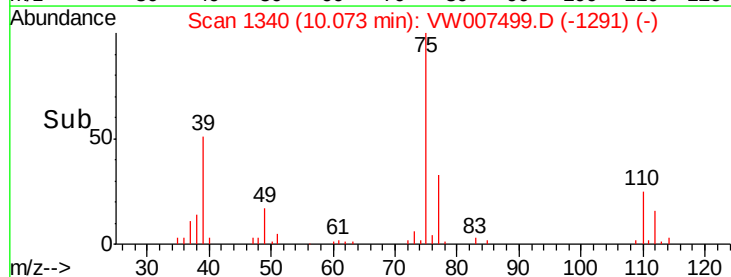
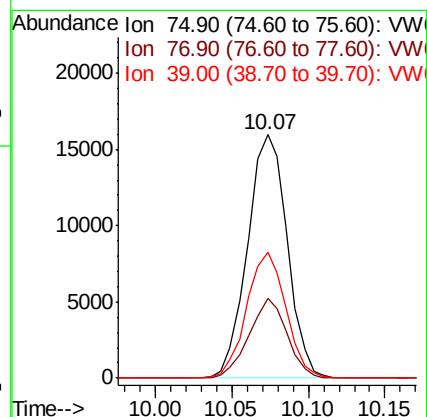
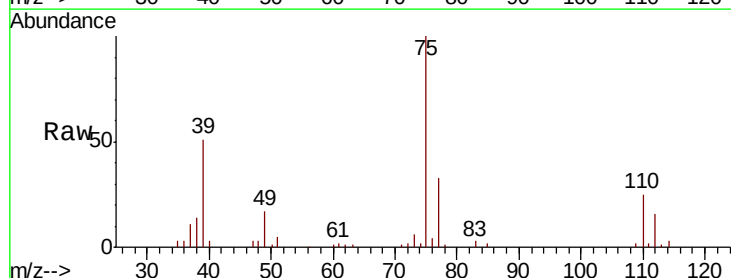
Tgt Ion: 75 Resp: 28796

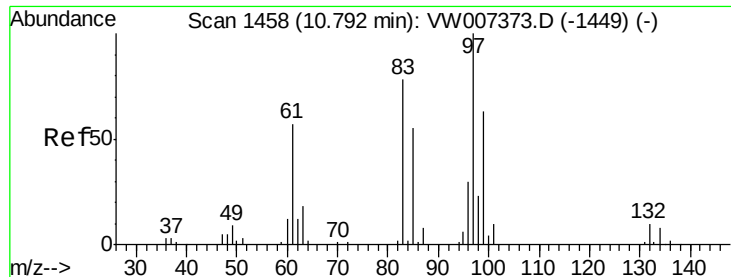
Ion Ratio Lower Upper

75 100

77 32.8 24.8 37.2

39 51.4 40.9 61.3

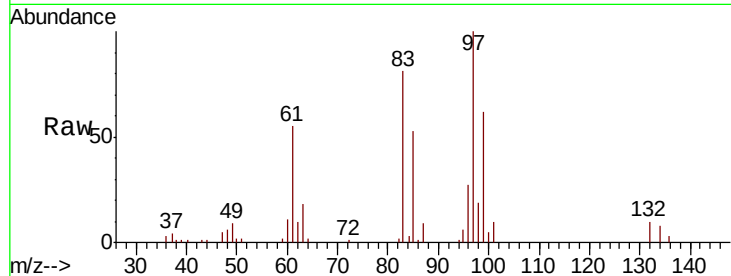




#55
 1,1,2-Trichloroethane
 Concen: 23.706 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW007499.D
 Acq: 13 Dec 2018 22:05

Instrument :
 MSVOA_W
 ClientSampled :
 VW1216SBS02

Tot Ion:	97	Resp:	14514
Ion	Ratio	Lower	Upper
97	100		
83	81.4	62.1	93.1
85	53.1	44.2	66.4
99	61.8	50.2	75.4



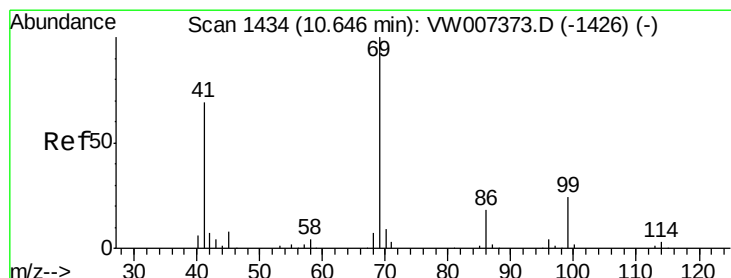
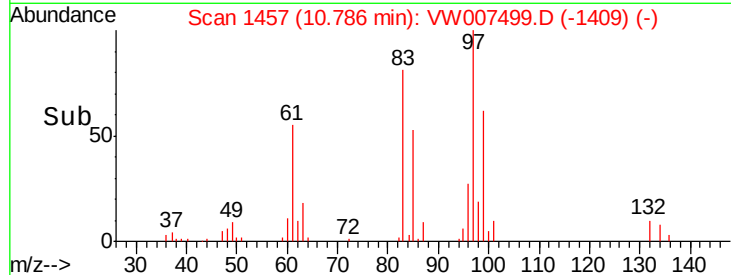
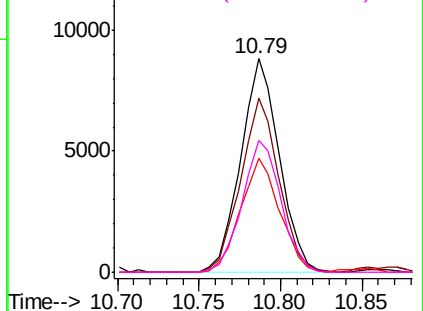
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

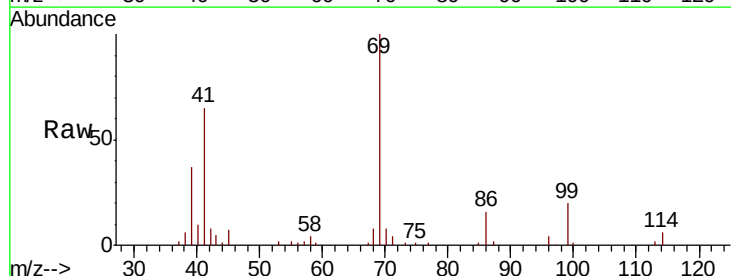
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 24.099 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW007499.D
 Acq: 13 Dec 2018 22:05

Tgt Ion:	69	Resp:	17734
Ion	Ratio	Lower	Upper
69	100		
41	66.7	51.0	76.6
39	36.4	30.8	46.2

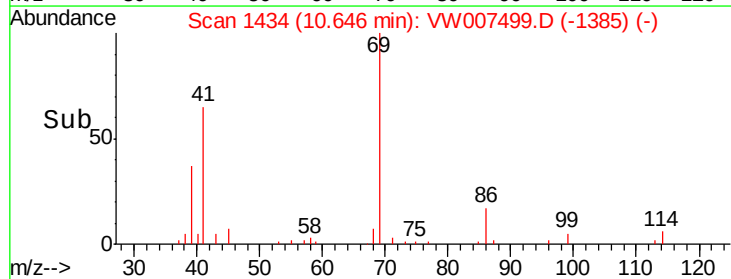
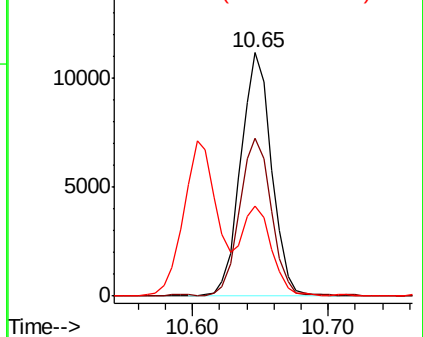


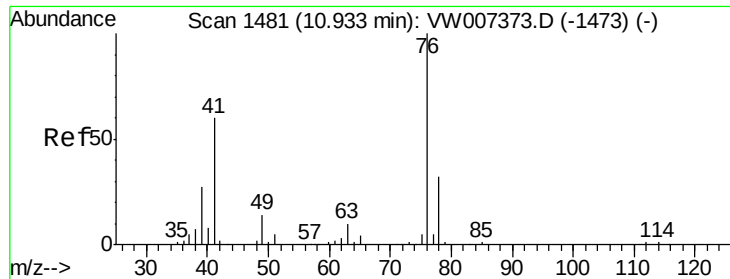
Abundance

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

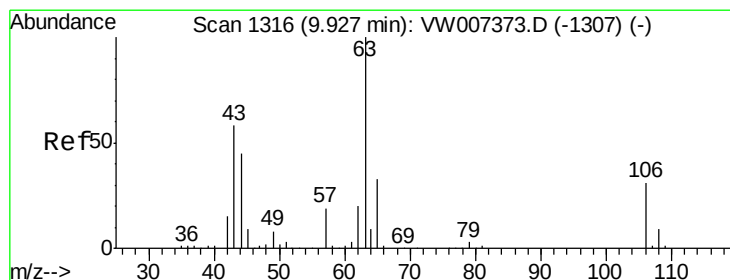
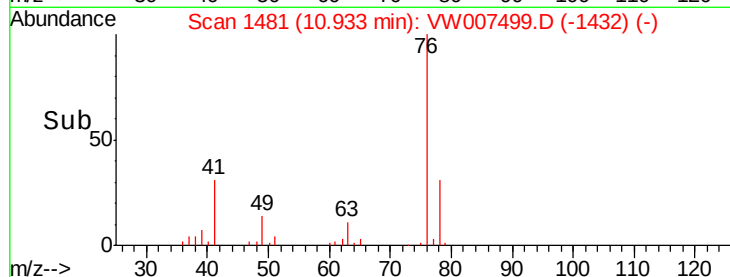
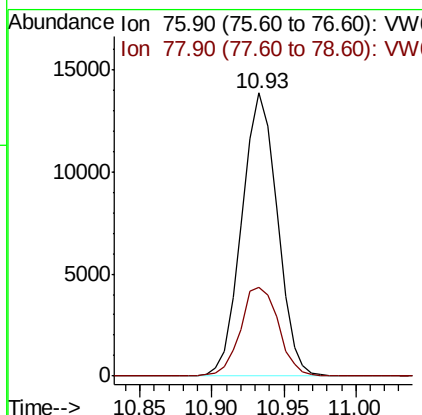
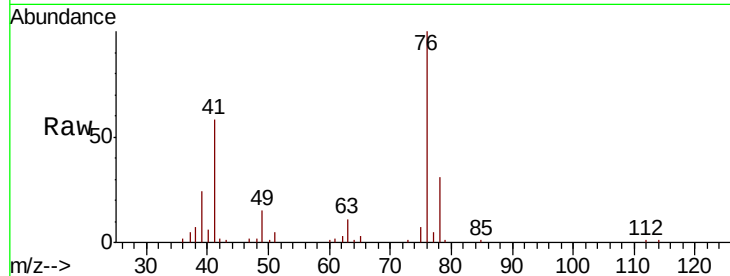




#57
 1,3-Dichloropropane
 Concen: 23.604 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW007499.D
 Acq: 13 Dec 2018 22:05

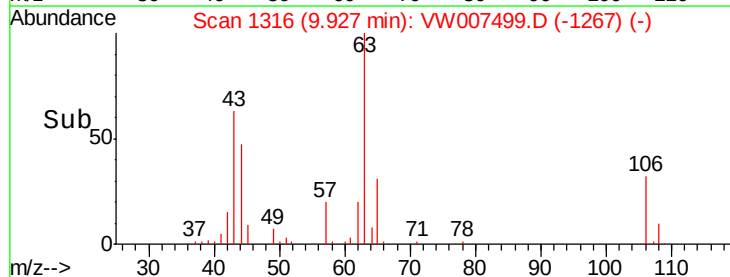
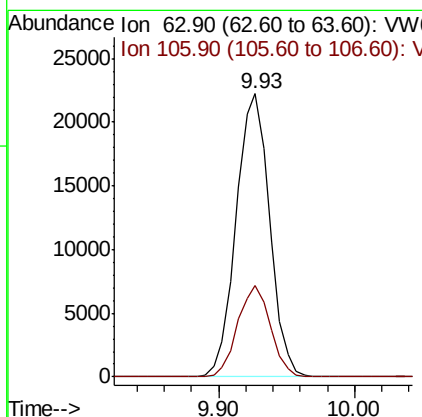
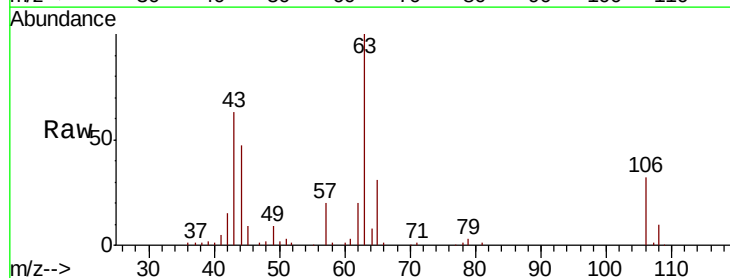
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS02

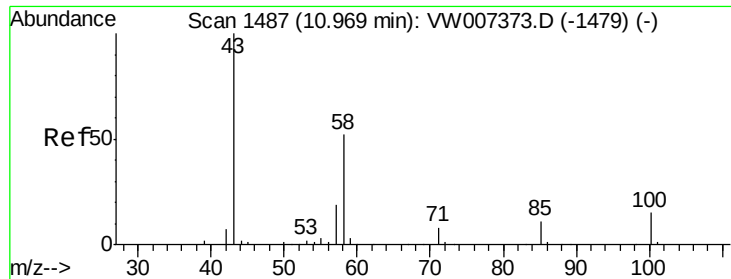
Tot Ion: 76 Resp: 23720
 Ion Ratio Lower Upper
 76 100
 78 33.4 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 112.531 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW007499.D
 Acq: 13 Dec 2018 22:05

Tgt Ion: 63 Resp: 38188
 Ion Ratio Lower Upper
 63 100
 106 31.6 25.0 37.6

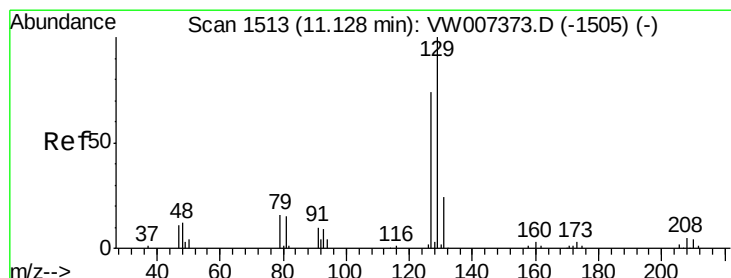
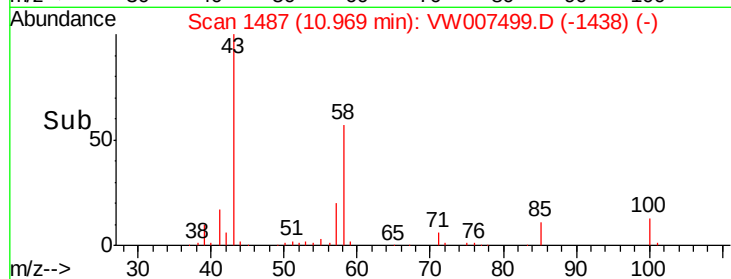
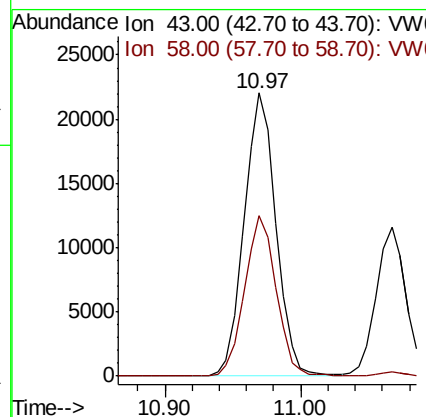
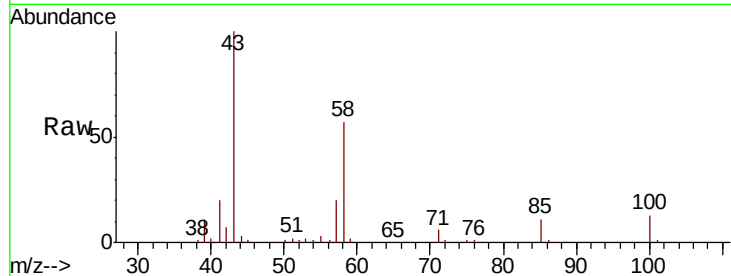




#59
2-Hexanone
Concen: 126.004 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

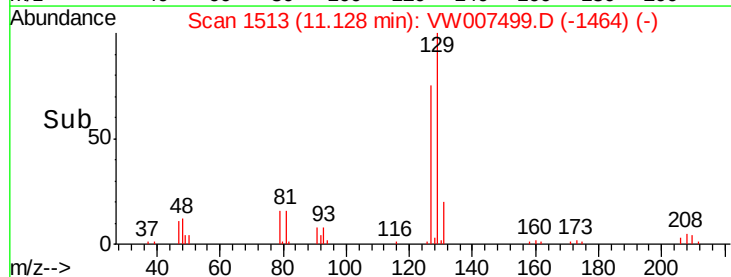
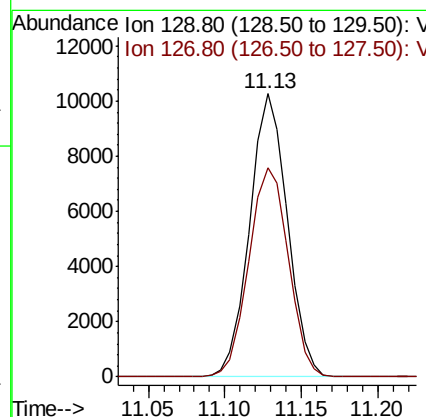
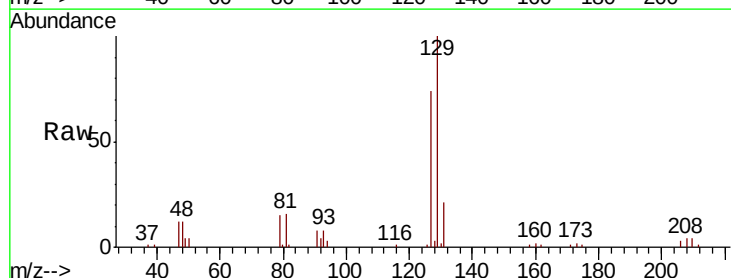
Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

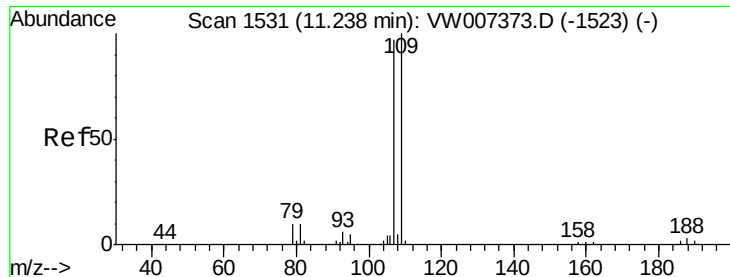
Tot Ion: 43 Resp: 35976
Ion Ratio Lower Upper
43 100
58 56.2 27.1 81.3



#60
Dibromochloromethane
Concen: 22.780 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Tgt Ion: 129 Resp: 17601
Ion Ratio Lower Upper
129 100
127 77.5 38.1 114.3

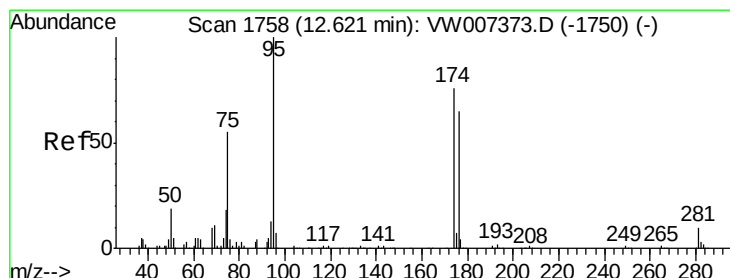
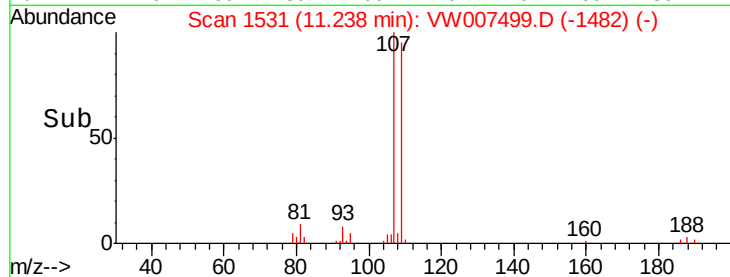
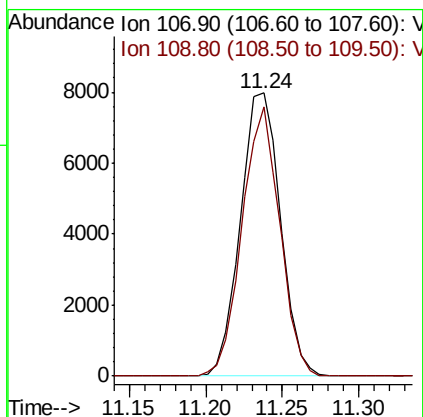
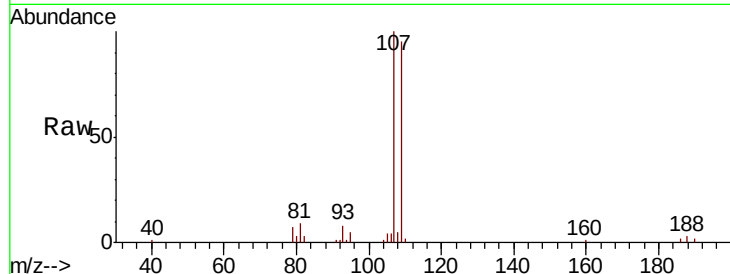




#61
 1,2-Dibromoethane
 Concen: 23.967 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW007499.D
 Acq: 13 Dec 2018 22:05

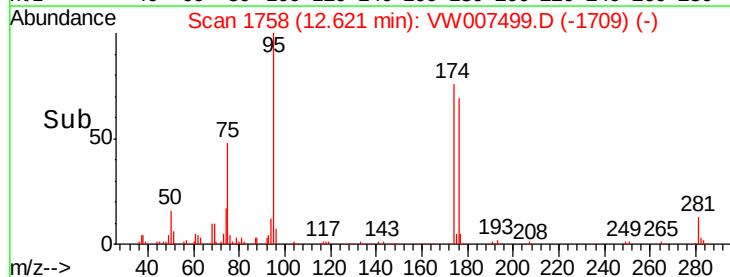
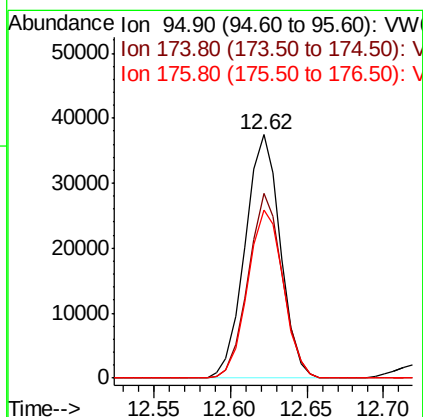
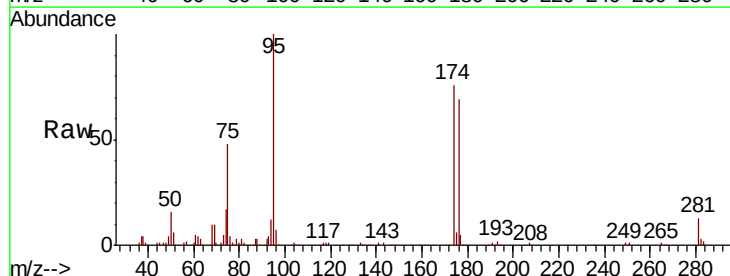
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS02

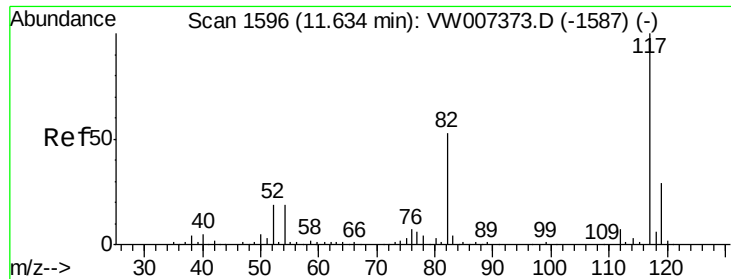
Tot Ion:107 Resp: 14501
 Ion Ratio Lower Upper
 107 100
 109 89.4 79.1 118.7



#62
 4-Bromofluorobenzene
 Concen: 53.039 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW007499.D
 Acq: 13 Dec 2018 22:05

Tgt Ion: 95 Resp: 59848
 Ion Ratio Lower Upper
 95 100
 174 73.9 0.0 147.2
 176 70.2 0.0 138.8

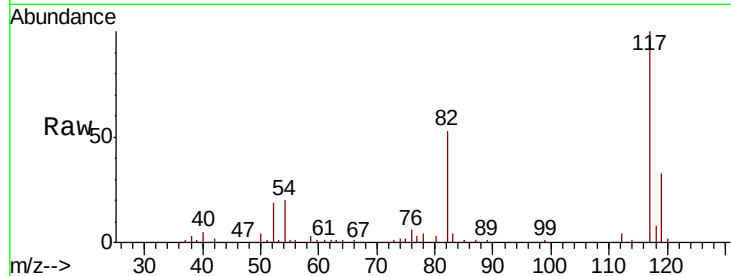




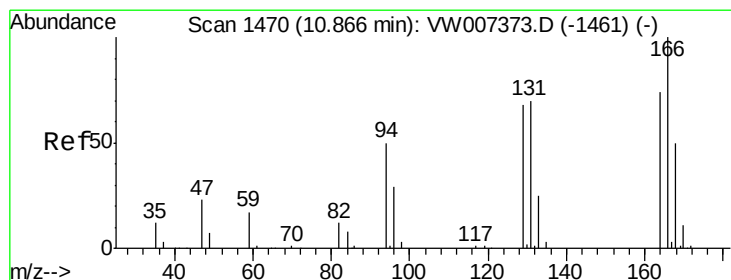
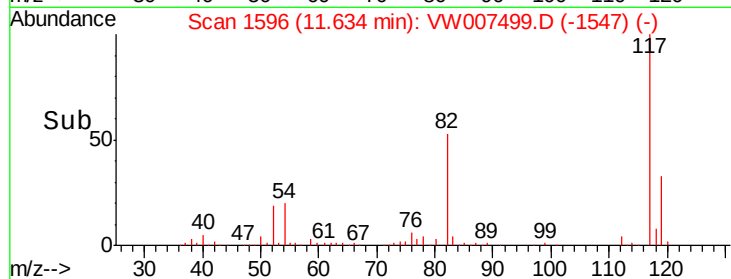
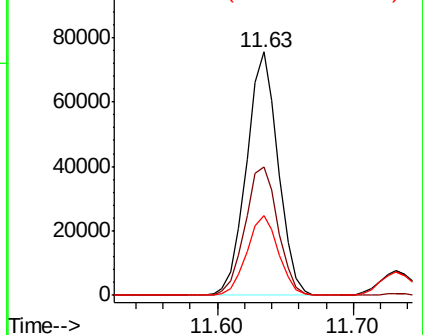
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

Tot Ion:117 Resp: 122586
Ion Ratio Lower Upper
117 100
82 52.8 42.3 63.5
119 32.9 23.0 34.6

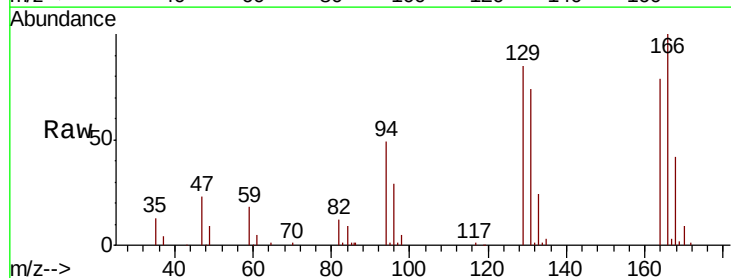


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VV
Ion 118.90 (118.60 to 119.60): V

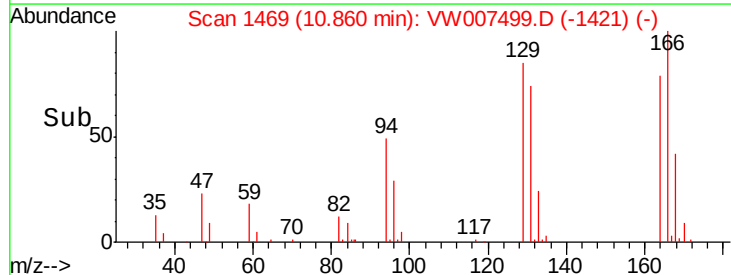
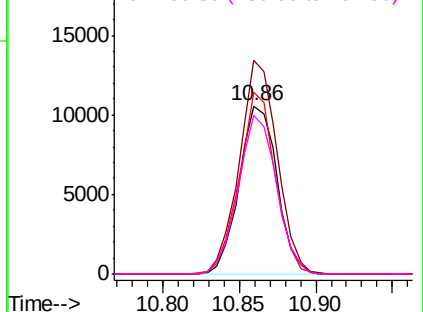


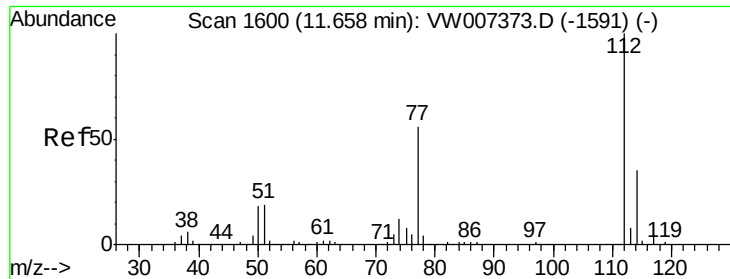
#64
Tetrachloroethene
Concen: 20.647 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Tgt Ion:164 Resp: 18201
Ion Ratio Lower Upper
164 100
166 127.3 107.9 161.9
129 108.1 73.4 110.2
131 94.5 75.8 113.6



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

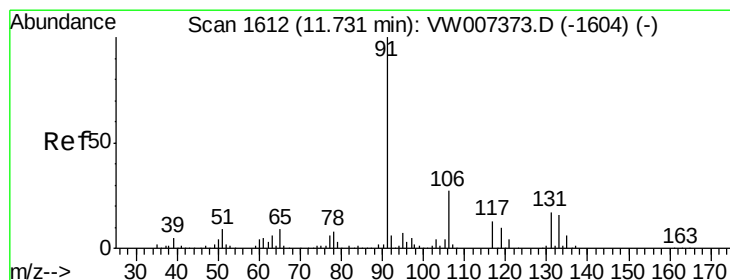
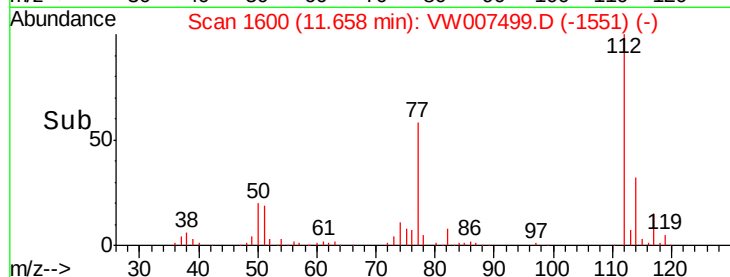
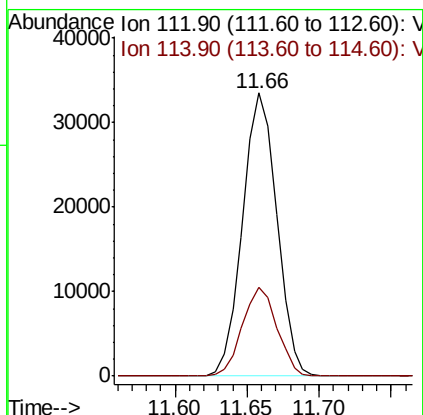
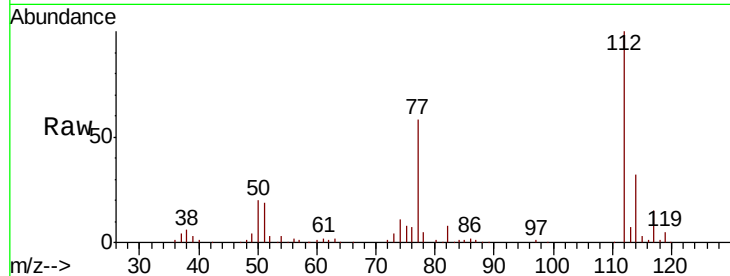




#65
Chlorobenzene
Concen: 21.631 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

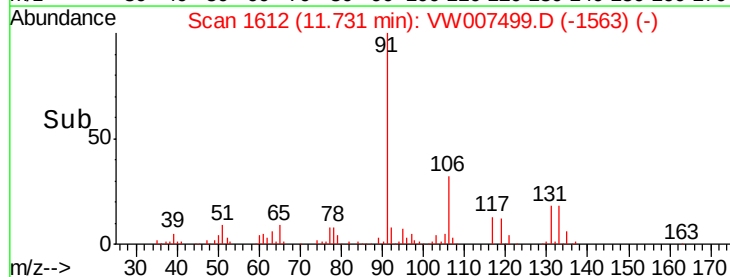
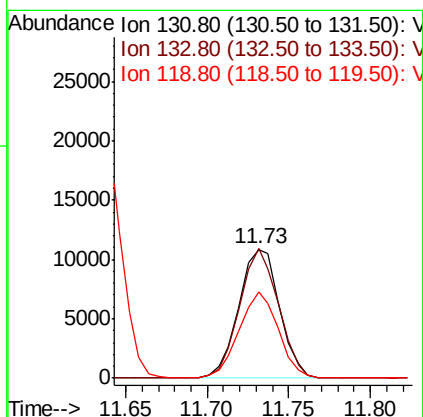
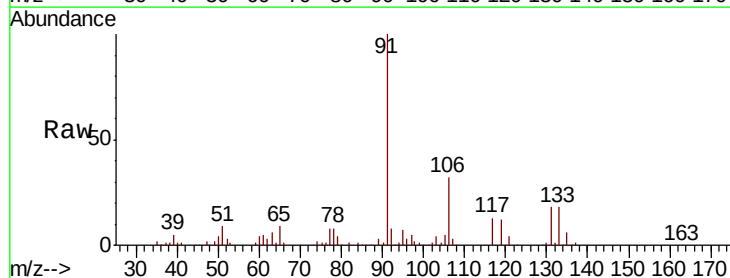
Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

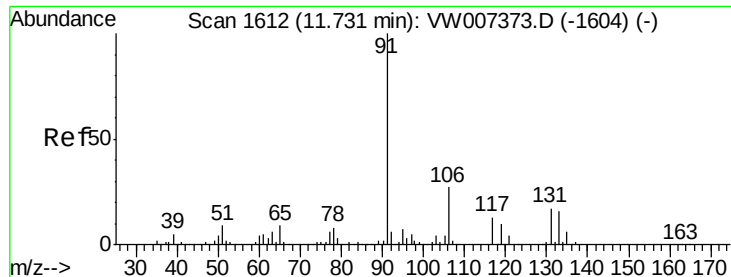
Tot Ion:112 Resp: 55270
Ion Ratio Lower Upper
112 100
114 31.5 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.055 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Tgt Ion:131 Resp: 18947
Ion Ratio Lower Upper
131 100
133 95.8 47.1 141.4
119 64.1 31.3 93.9

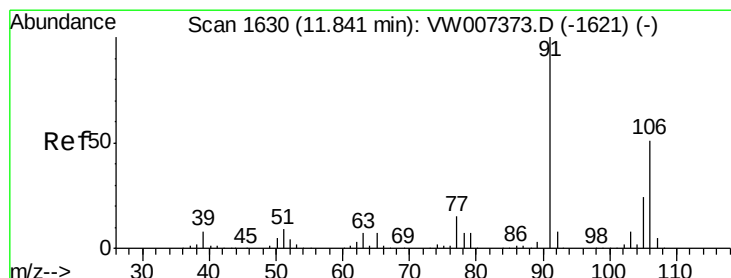
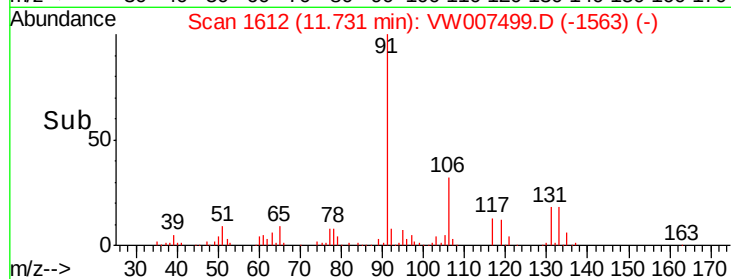
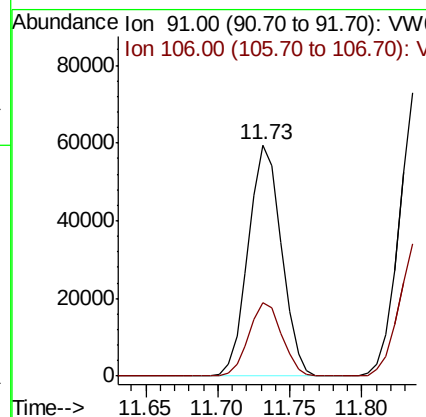
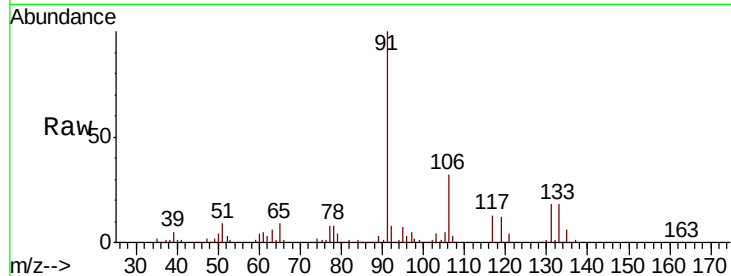




#67
Ethyl Benzene
Concen: 21.612 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

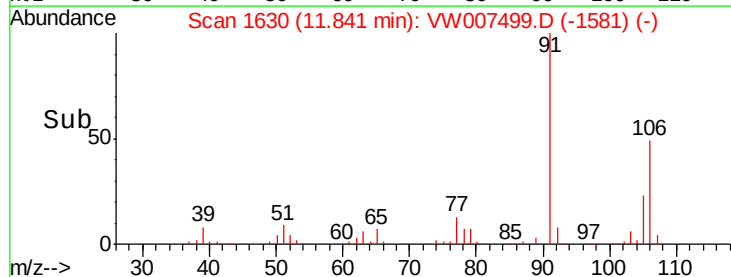
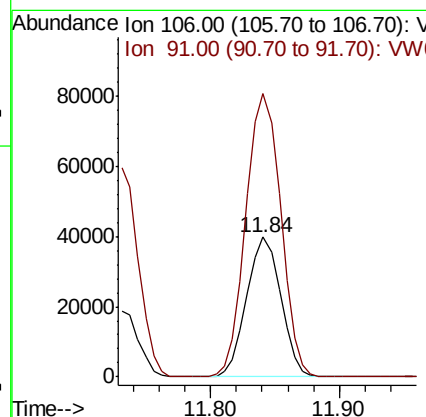
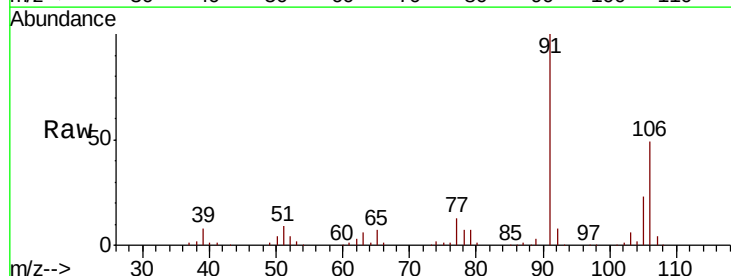
Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

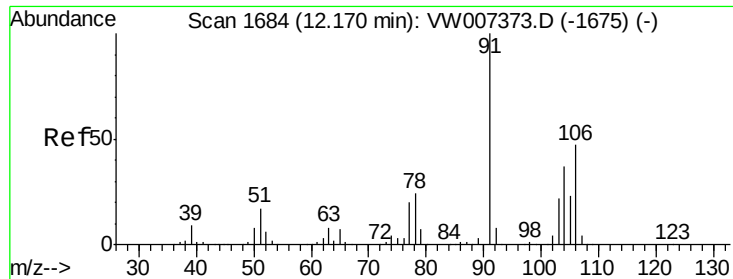
Tot Ion: 91 Resp: 94940
Ion Ratio Lower Upper
91 100
106 31.6 21.8 32.8



#68
m/p-Xylenes
Concen: 43.106 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Tgt Ion:106 Resp: 73615
Ion Ratio Lower Upper
106 100
91 206.4 165.3 247.9

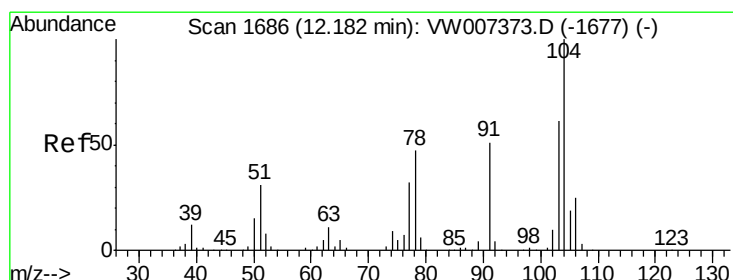
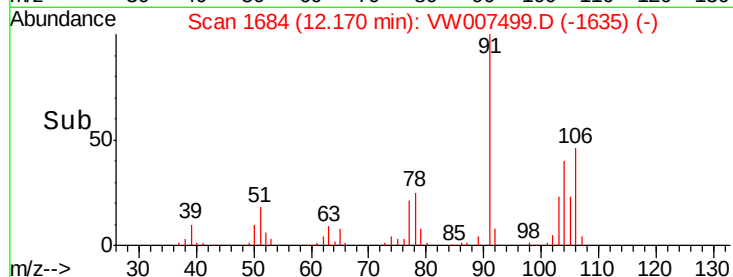
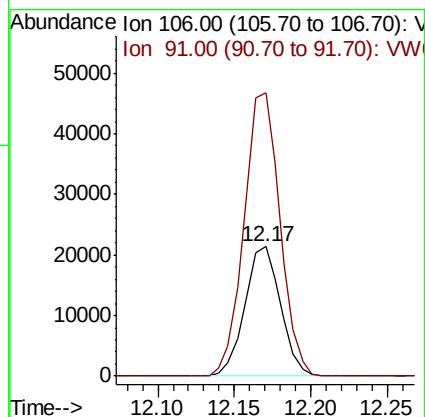
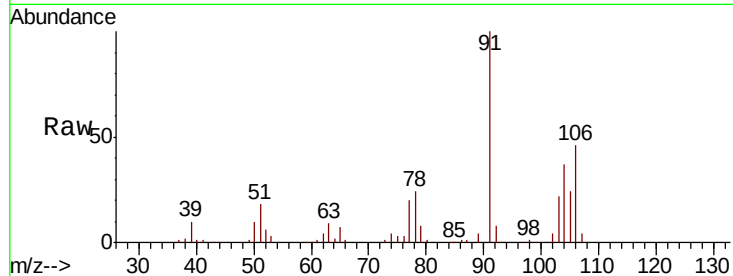




#69
o-Xylene
Concen: 21.686 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

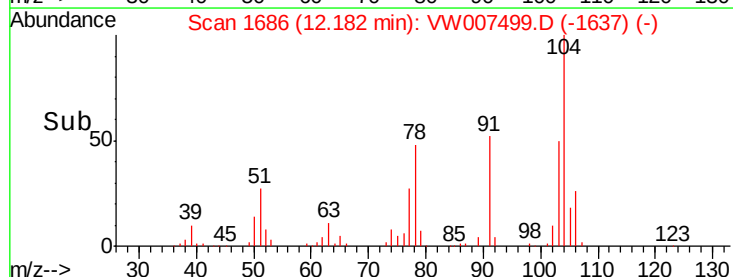
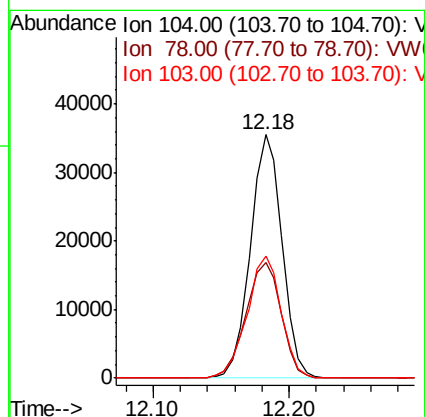
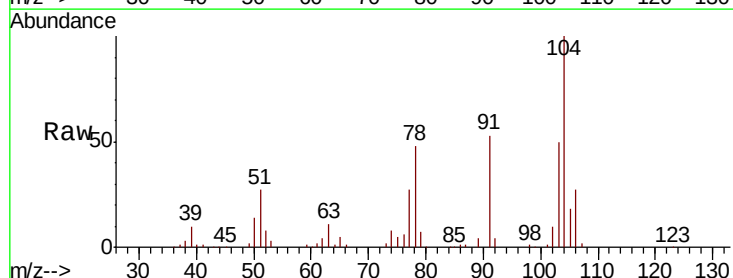
Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

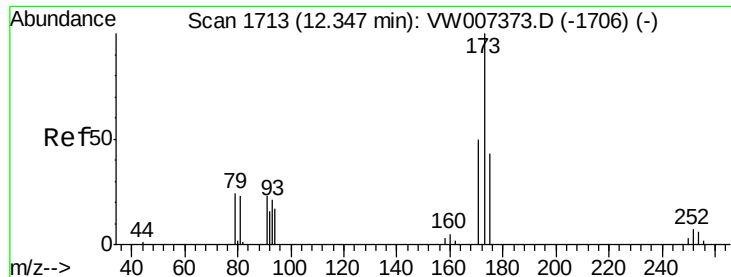
Tot Ion:106 Resp: 34588
Ion Ratio Lower Upper
106 100
91 220.1 106.6 319.8



#70
Styrene
Concen: 22.514 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Tgt Ion:104 Resp: 58001
Ion Ratio Lower Upper
104 100
78 52.9 41.8 62.8
103 53.8 46.6 69.8





#71

Bromoform

Concen: 21.546 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS02

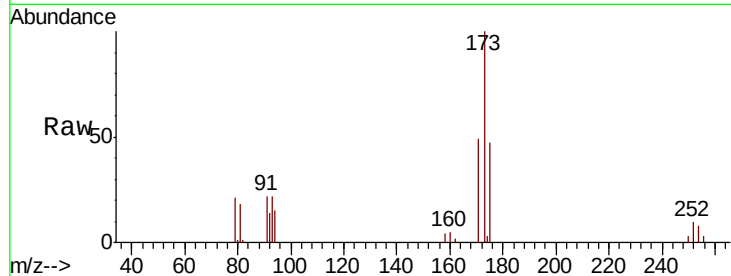
Tot Ion:173 Resp: 9924

Ion Ratio Lower Upper

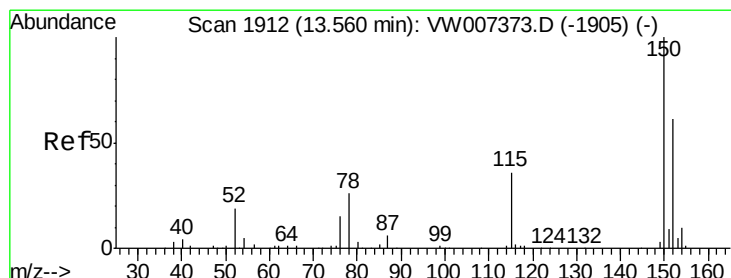
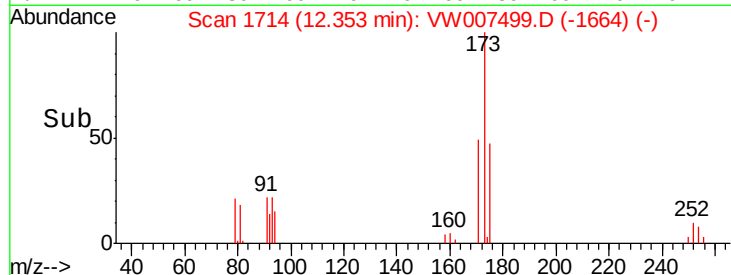
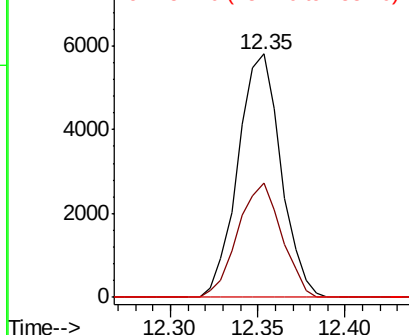
173 100

175 47.8 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: VW007499.D

Acq: 13 Dec 2018 22:05

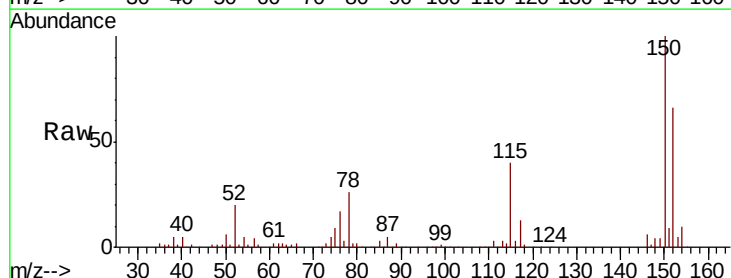
Tgt Ion:152 Resp: 61891

Ion Ratio Lower Upper

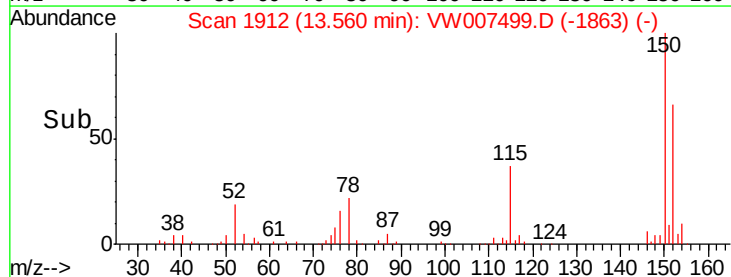
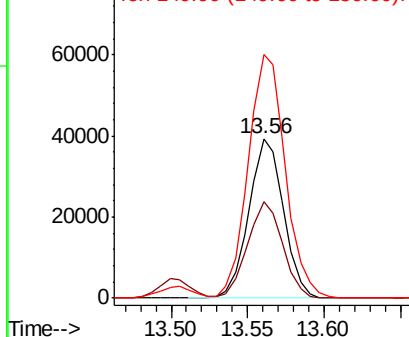
152 100

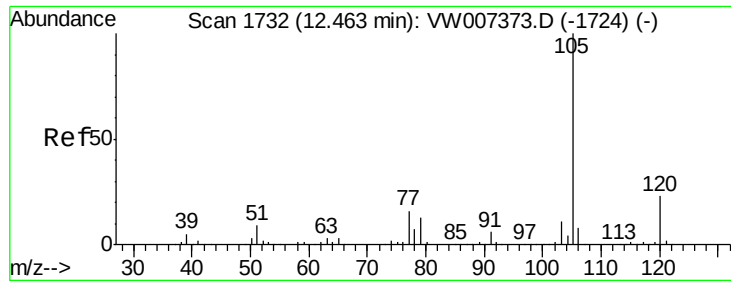
115 61.1 31.4 94.2

150 163.9 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: 20.766 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Instrument :

MSVOA_W

ClientSampleId :

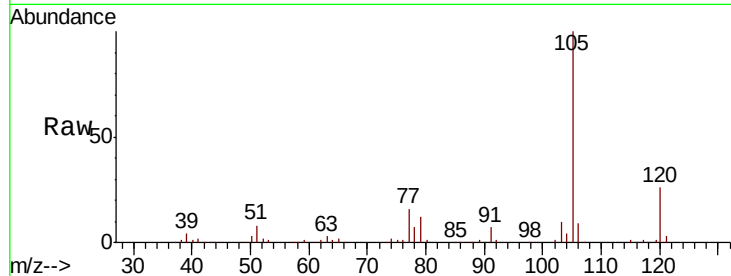
VW1216SBS02

Tot Ion:105 Resp: 98481

Ion Ratio Lower Upper

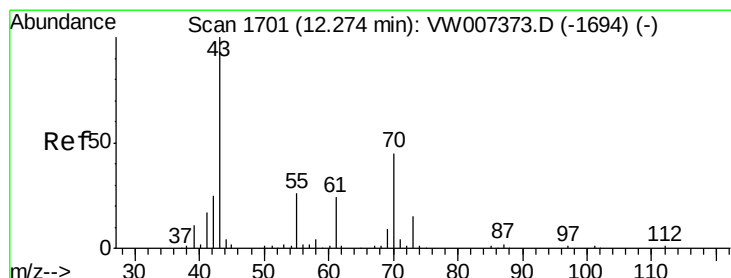
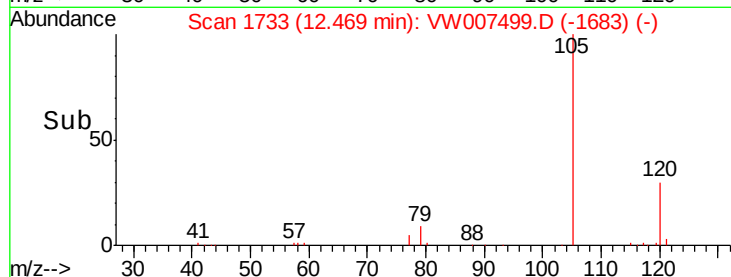
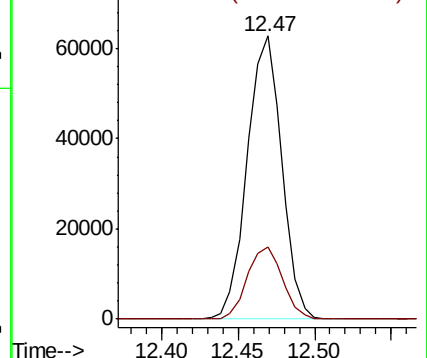
105 100

120 26.0 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 23.149 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Tgt Ion: 43 Resp: 19952

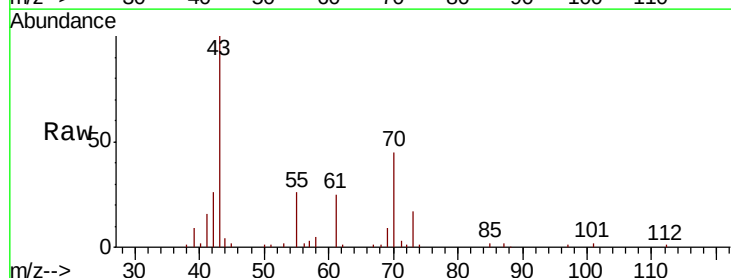
Ion Ratio Lower Upper

43 100

70 44.1 36.5 54.7

55 25.4 20.1 30.1

61 25.6 19.3 28.9

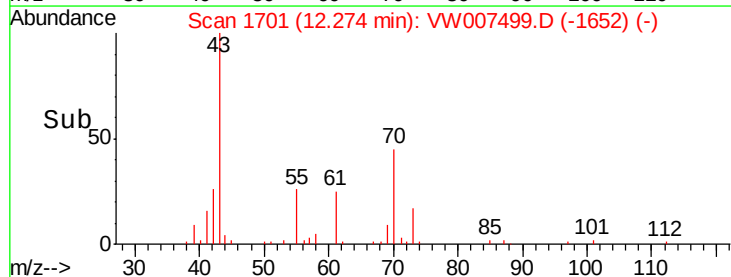
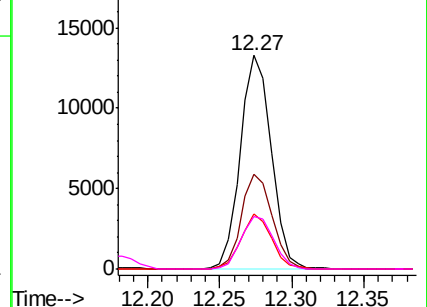


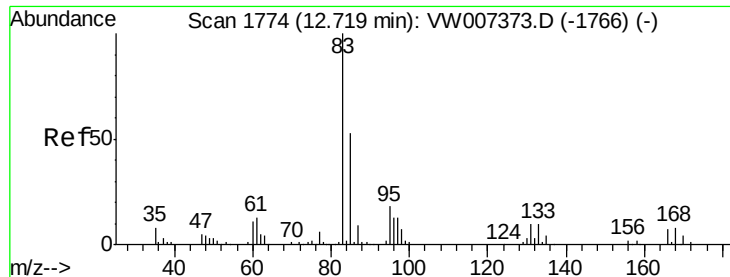
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 23.075 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS02

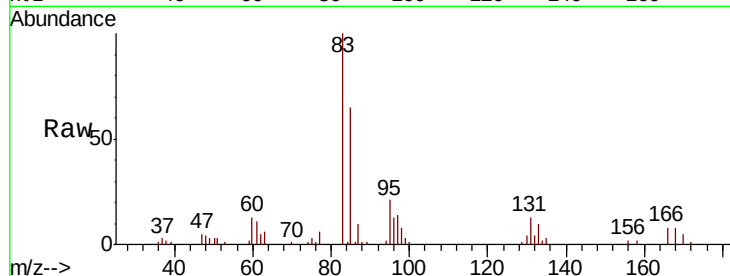
Tot Ion: 83 Resp: 16208

Ion Ratio Lower Upper

83 100

131 12.0 5.9 17.8

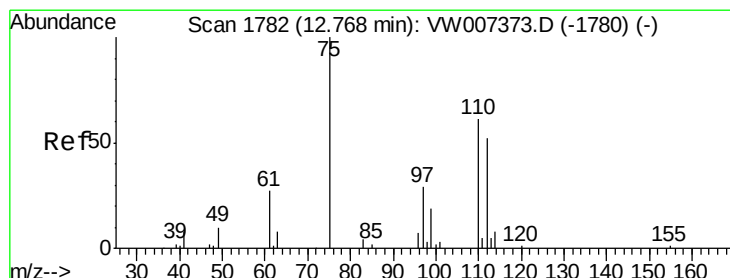
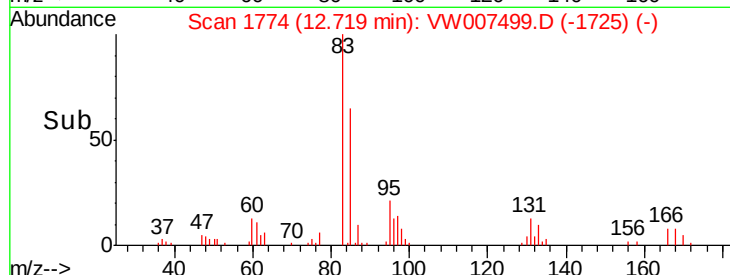
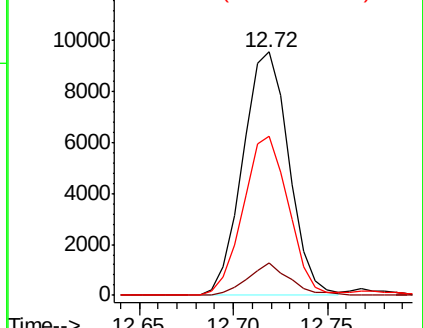
85 64.4 30.0 90.0



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: 42.843 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW007499.D

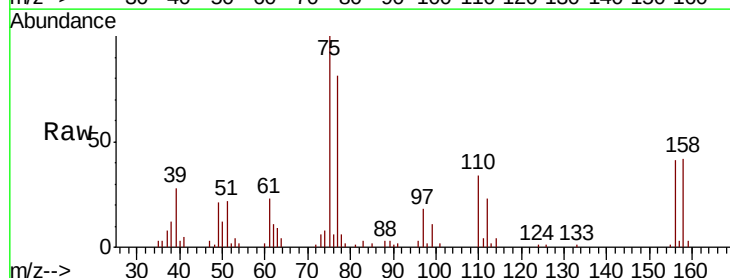
Acq: 13 Dec 2018 22:05

Tgt Ion: 75 Resp: 21863

Ion Ratio Lower Upper

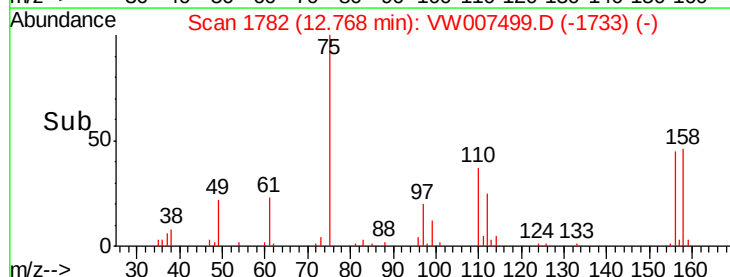
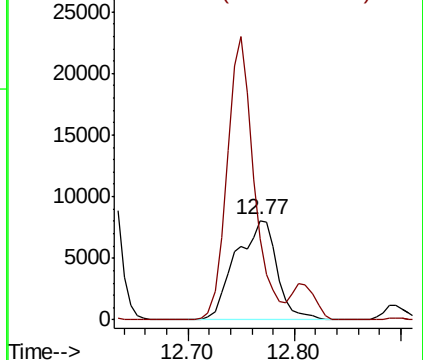
75 100

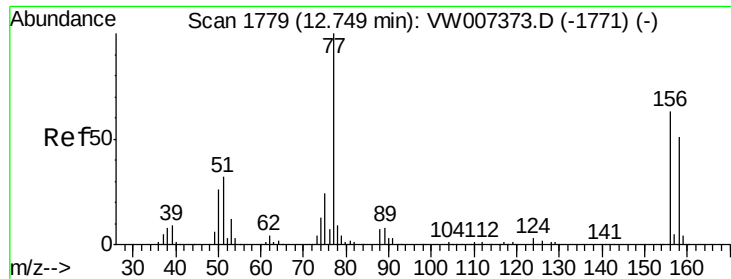
77 188.1 166.9 500.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.156 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS02

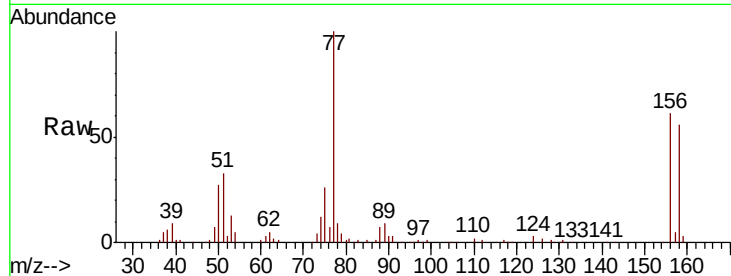
Tot Ion:156 Resp: 22239

Ion Ratio Lower Upper

156 100

77 185.0 88.1 264.4

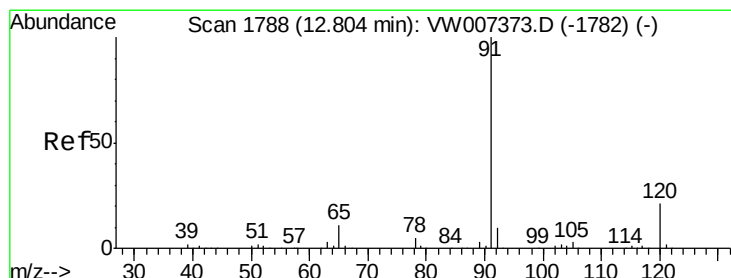
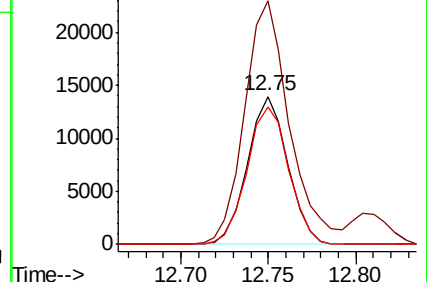
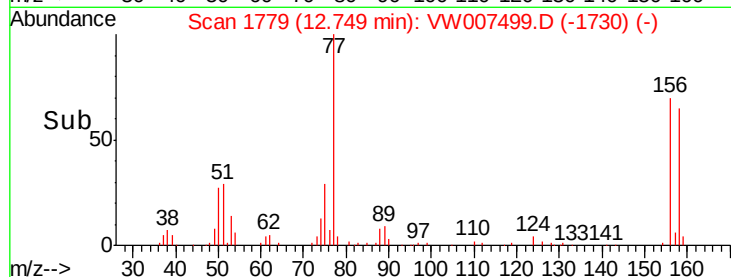
158 97.1 45.6 136.7



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: 21.429 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VW007499.D

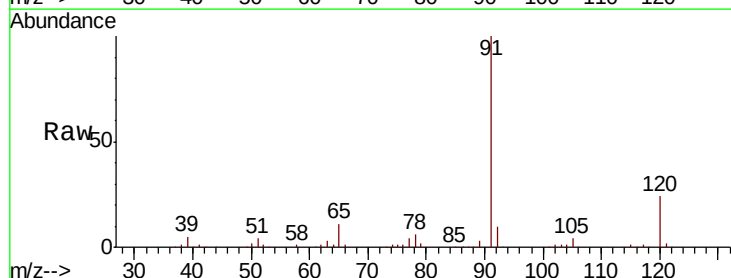
Acq: 13 Dec 2018 22:05

Tgt Ion: 91 Resp: 114367

Ion Ratio Lower Upper

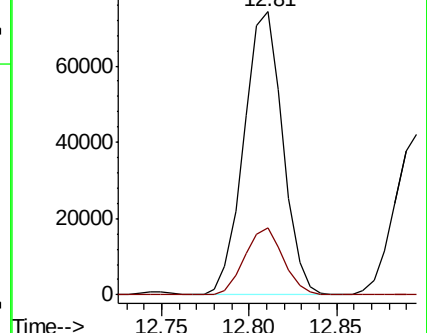
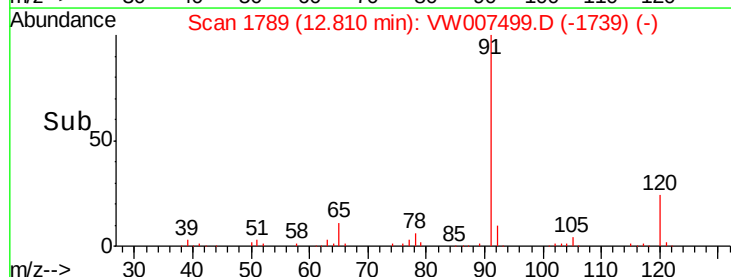
91 100

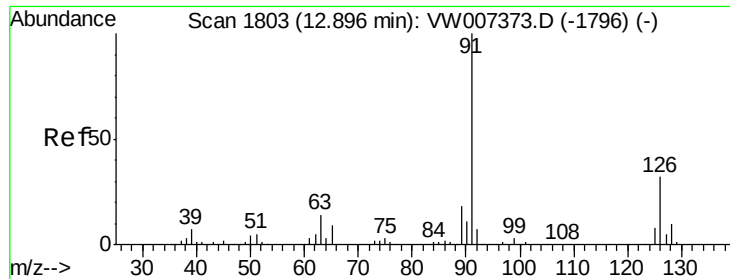
120 23.5 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

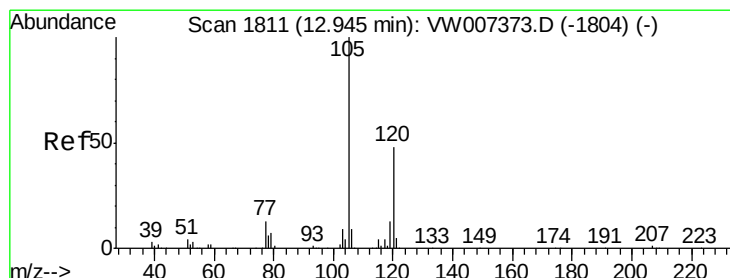
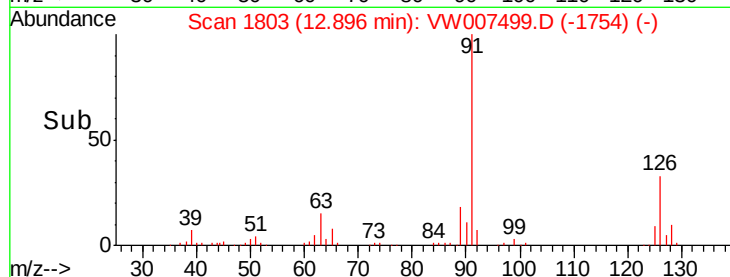
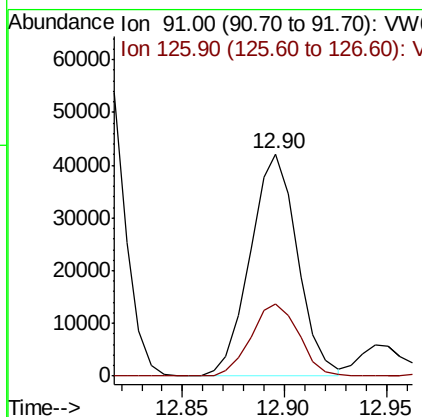
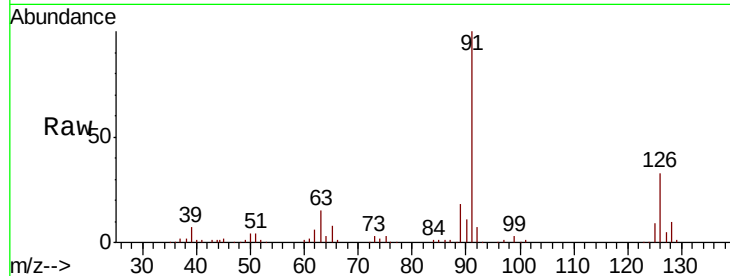




#79
 2-Chlorotoluene
 Concen: 21.006 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW007499.D
 Acq: 13 Dec 2018 22:05

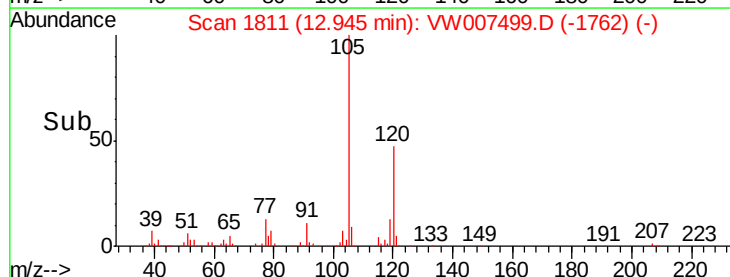
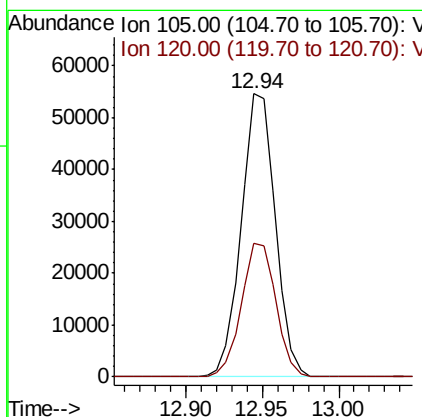
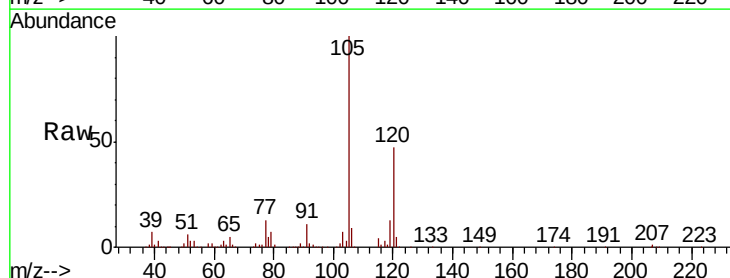
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS02

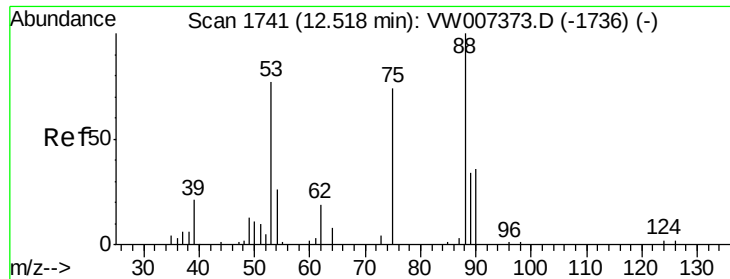
Tot Ion: 91 Resp: 67836
 Ion Ratio Lower Upper
 91 100
 126 33.1 15.9 47.6



#80
 1,3,5-Trimethylbenzene
 Concen: 21.206 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW007499.D
 Acq: 13 Dec 2018 22:05

Tgt Ion: 105 Resp: 84501
 Ion Ratio Lower Upper
 105 100
 120 47.8 23.8 71.4





#81

trans-1,4-Dichloro-2-butene

Concen: 22.371 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.01 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS02

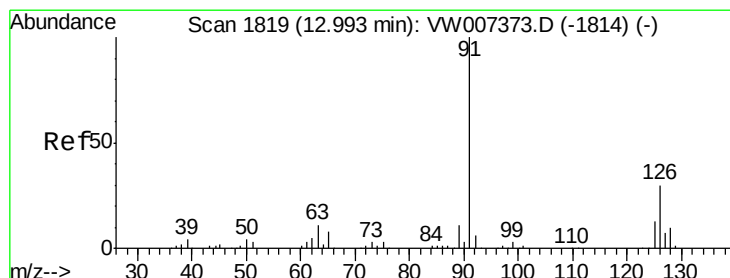
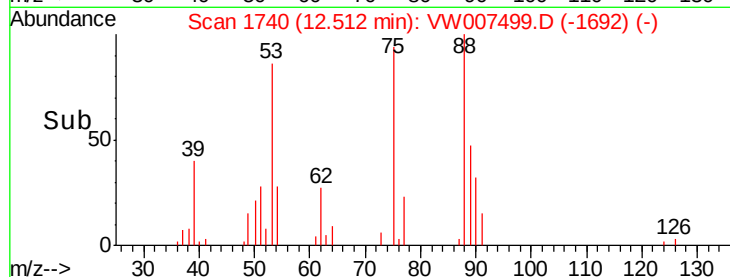
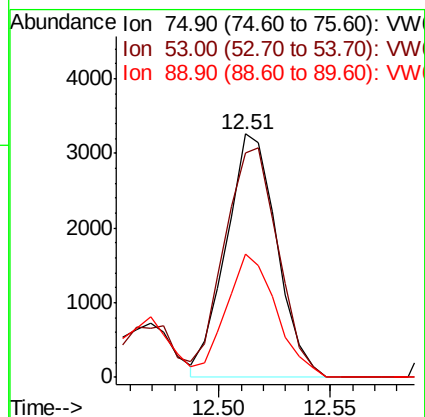
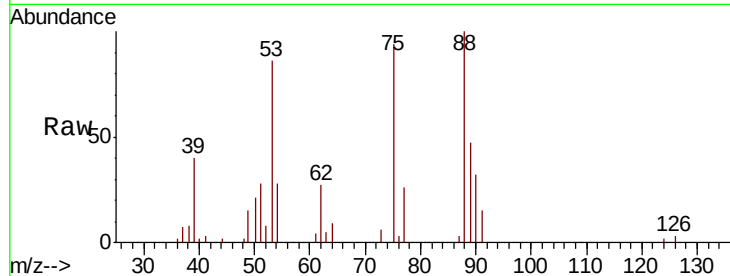
Tot Ion: 75 Resp: 5168

Ion Ratio Lower Upper

75 100

53 99.7 84.9 127.3

89 50.1 40.3 60.5



#82

4-Chlorotoluene

Concen: 20.868 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW007499.D

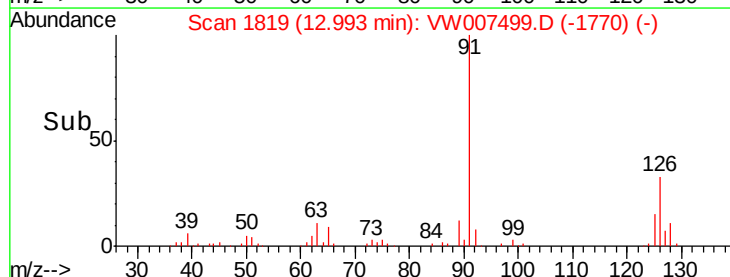
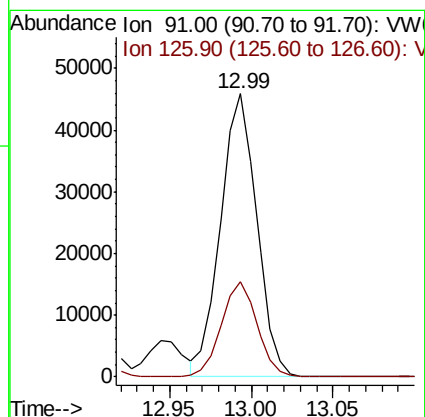
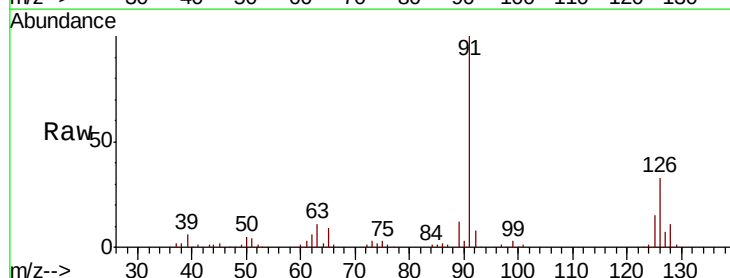
Acq: 13 Dec 2018 22:05

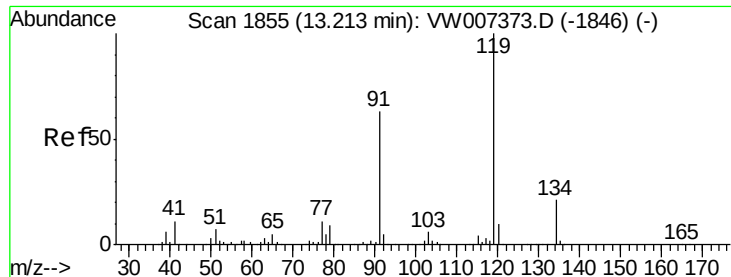
Tgt Ion: 91 Resp: 71035

Ion Ratio Lower Upper

91 100

126 33.0 16.0 48.0

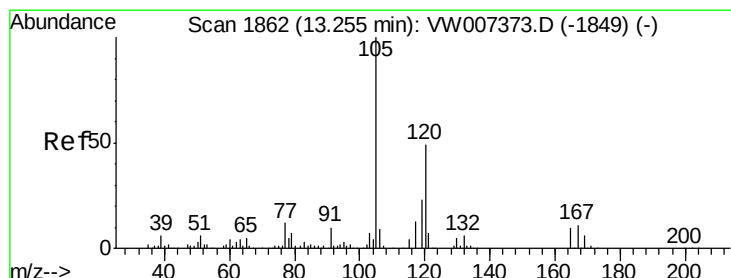
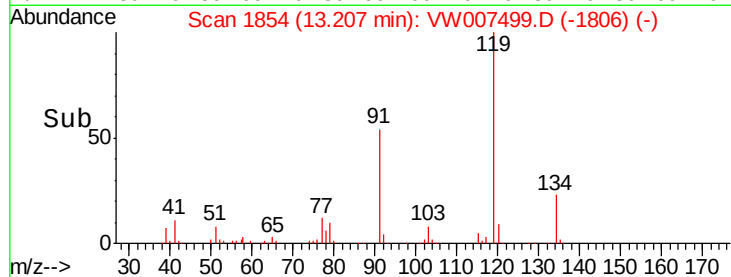
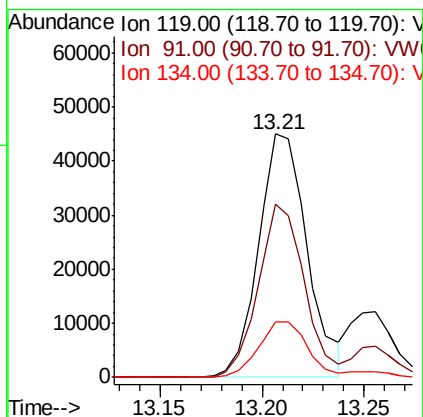
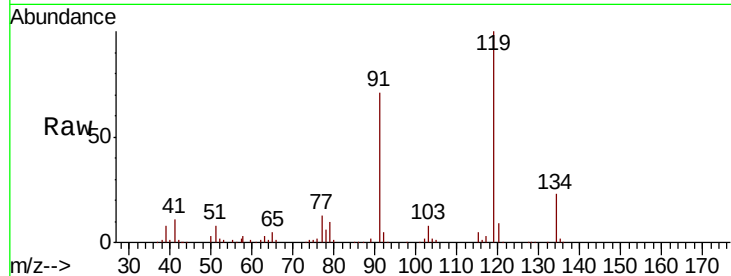




#83
tert-Butylbenzene
Concen: 21.333 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

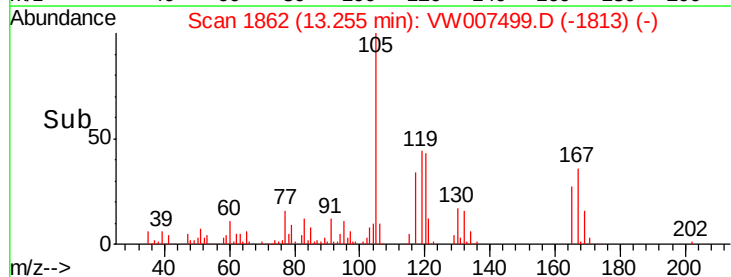
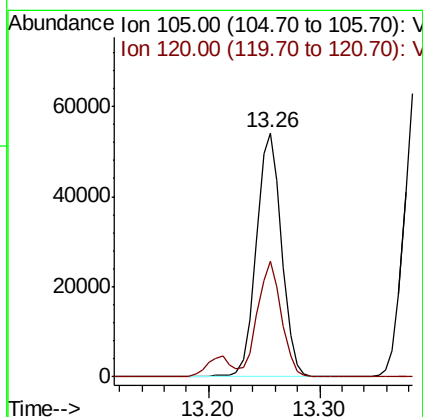
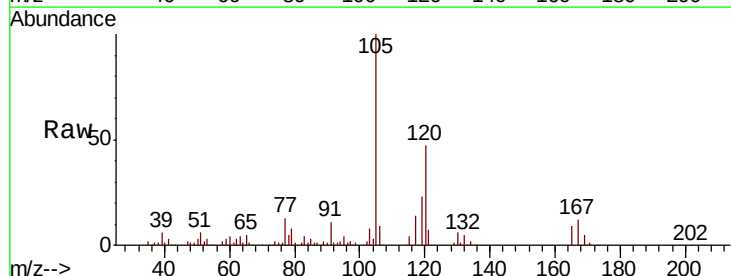
Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

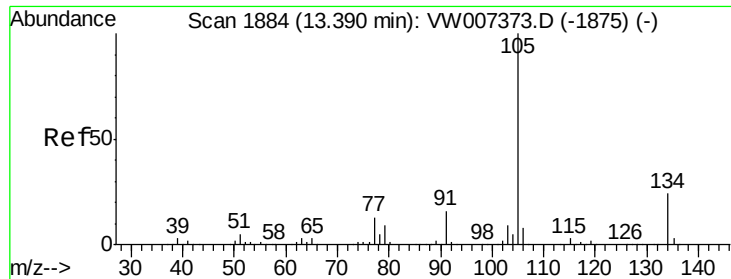
Tot Ion:119 Resp: 74903
Ion Ratio Lower Upper
119 100
91 67.1 33.1 99.2
134 23.3 12.5 37.5



#84
1,2,4-Trimethylbenzene
Concen: 20.780 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Tgt Ion:105 Resp: 85208
Ion Ratio Lower Upper
105 100
120 45.5 22.6 67.7





#85

sec-Butylbenzene

Concen: 21.584 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Instrument :

MSVOA_W

ClientSampleId :

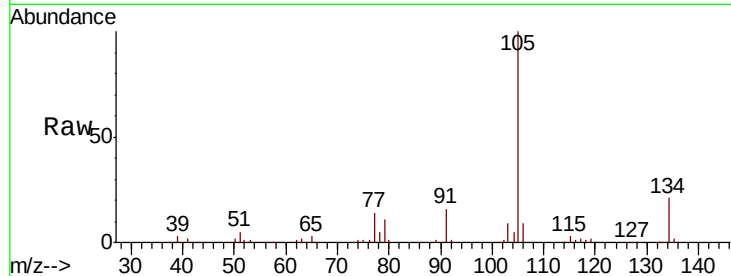
VW1216SBS02

Tot Ion:105 Resp: 103456

Ion Ratio Lower Upper

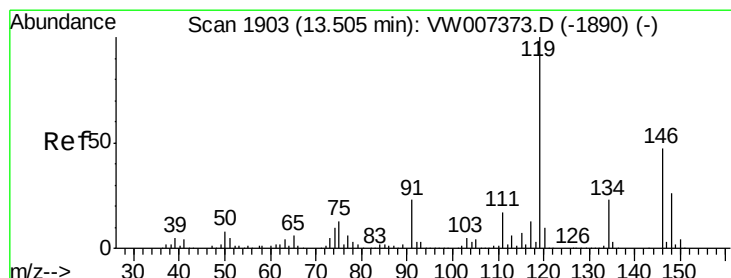
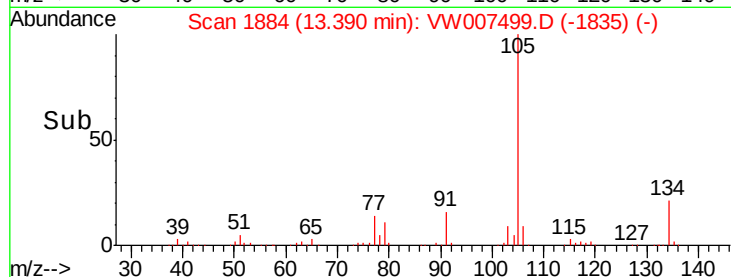
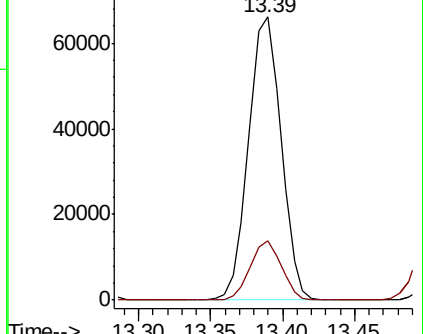
105 100

134 20.1 11.1 33.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.443 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

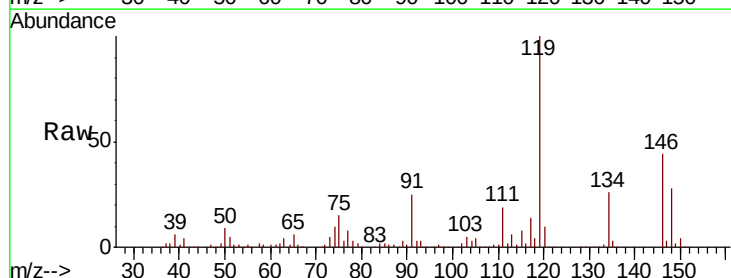
Tgt Ion:119 Resp: 92331

Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.7

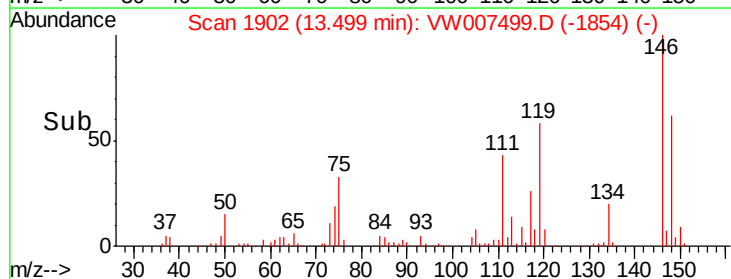
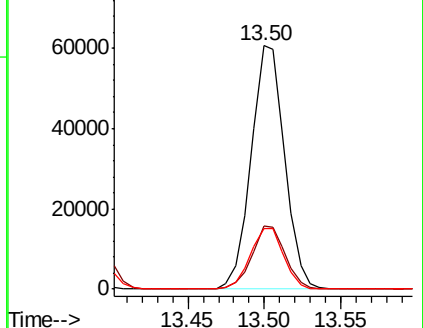
91 25.1 11.9 35.9

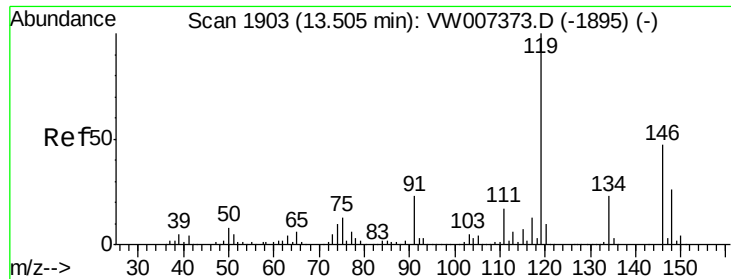


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

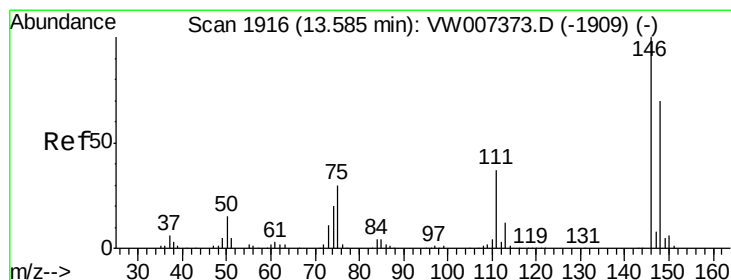
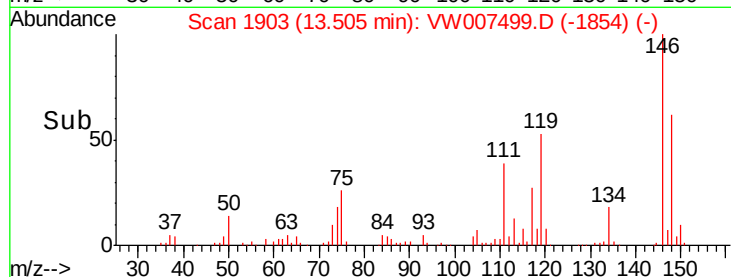
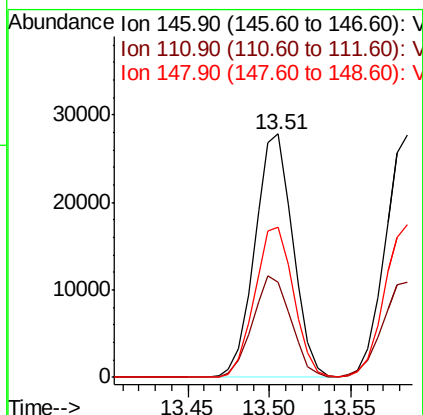
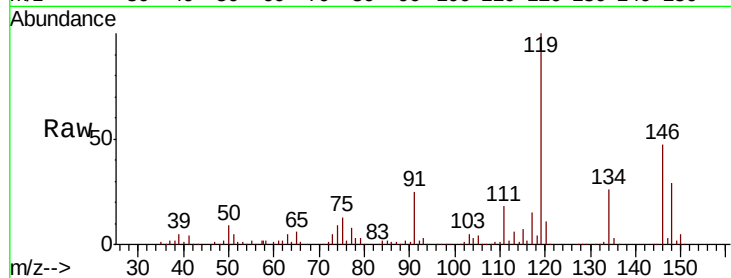




#87
 1,3-Dichlorobenzene
 Concen: 21.467 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007499.D
 Acq: 13 Dec 2018 22:05

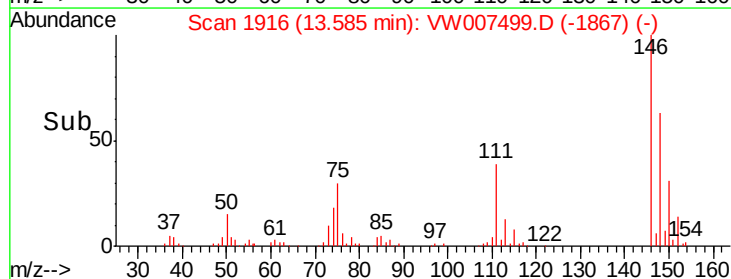
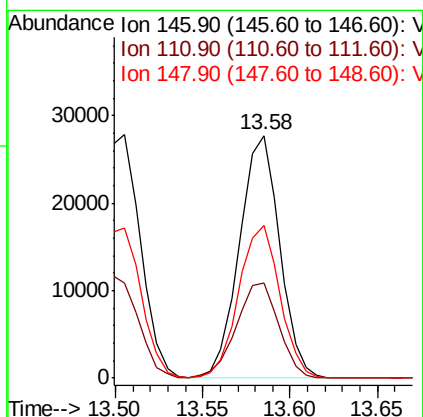
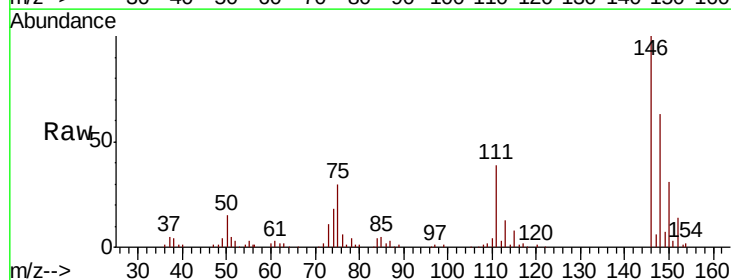
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS02

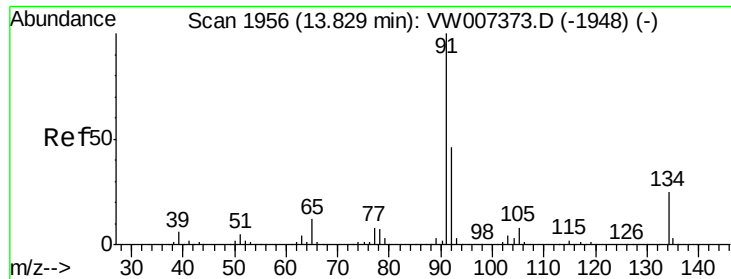
Tot Ion:146 Resp: 44991
 Ion Ratio Lower Upper
 146 100
 111 42.3 20.1 60.3
 148 63.3 31.4 94.0



#88
 1,4-Dichlorobenzene
 Concen: 21.100 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW007499.D
 Acq: 13 Dec 2018 22:05

Tgt Ion:146 Resp: 44458
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.3 61.0
 148 64.4 33.5 100.5

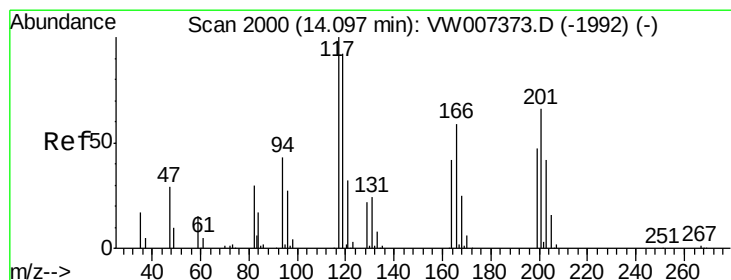
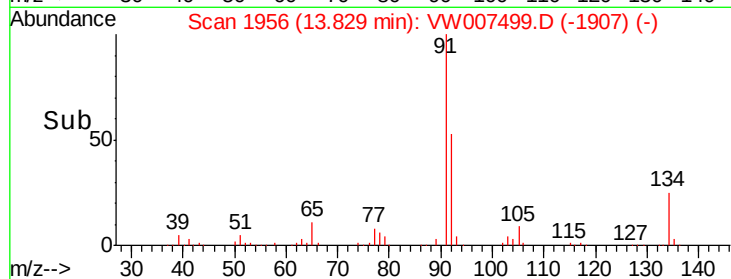
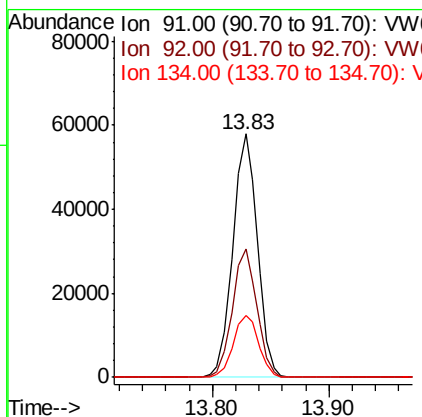
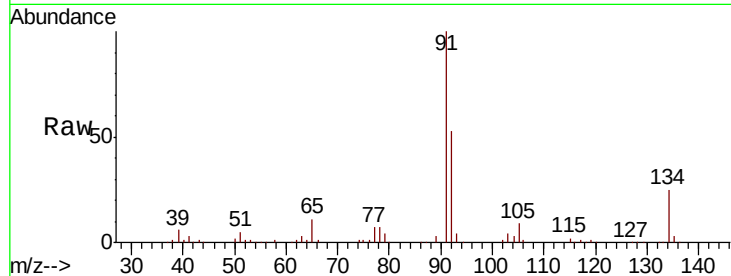




#89
n-Butylbenzene
Concen: 21.281 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

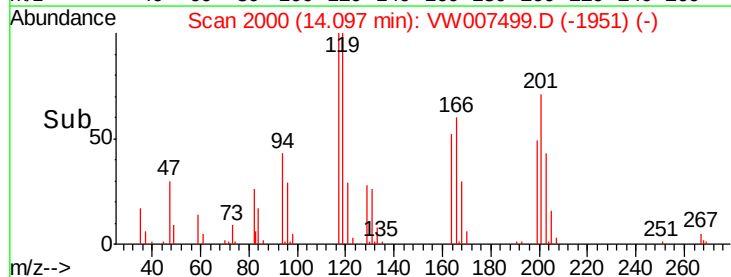
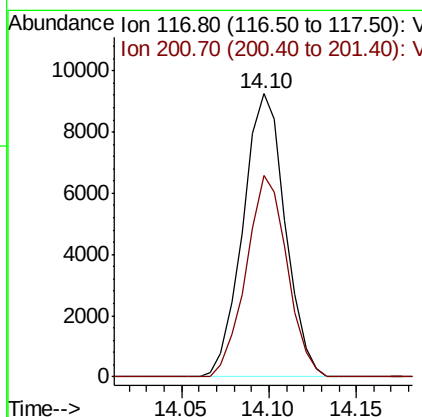
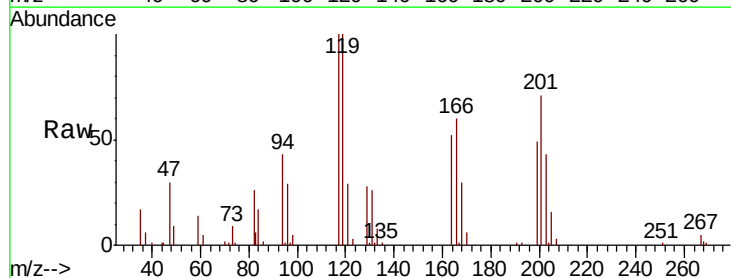
Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

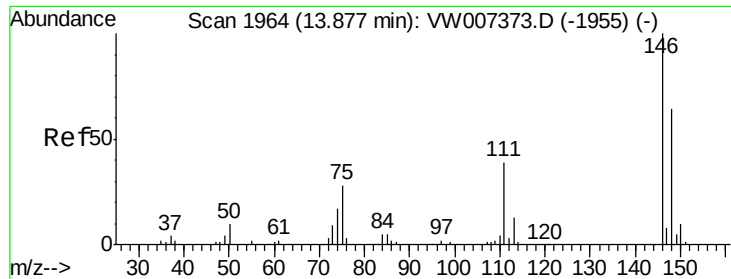
Tot Ion: 91 Resp: 84951
Ion Ratio Lower Upper
91 100
92 52.6 25.7 77.1
134 26.5 13.4 40.2



#90
Hexachloroethane
Concen: 20.372 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Tgt Ion: 117 Resp: 15608
Ion Ratio Lower Upper
117 100
201 69.1 35.3 105.9

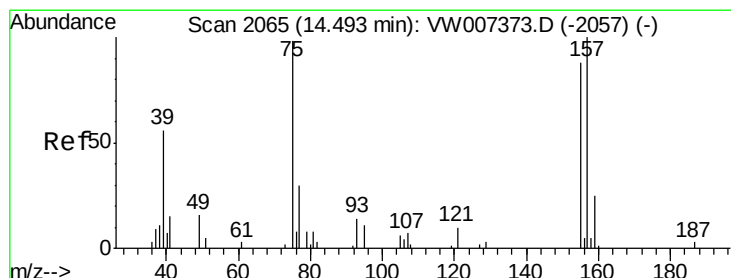
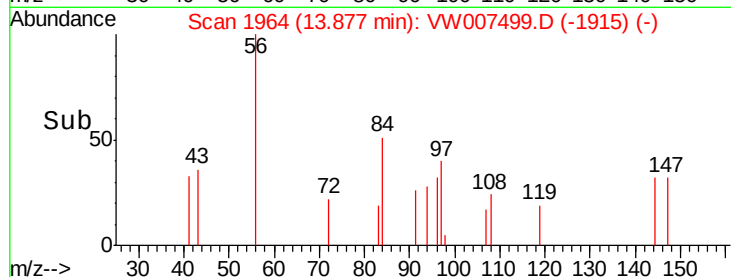
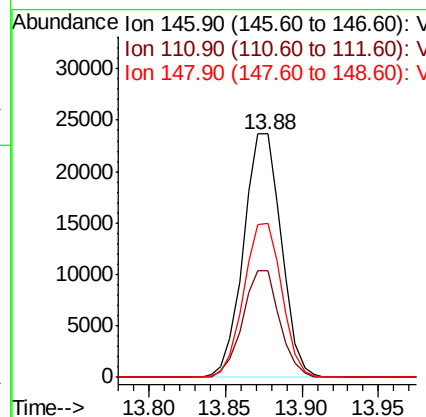
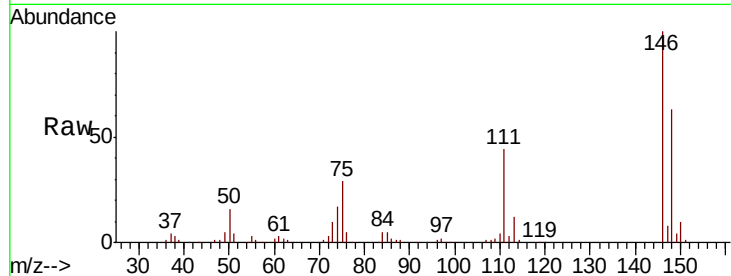




#91
 1,2-Dichlorobenzene
 Concen: 21.629 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW007499.D
 Acq: 13 Dec 2018 22:05

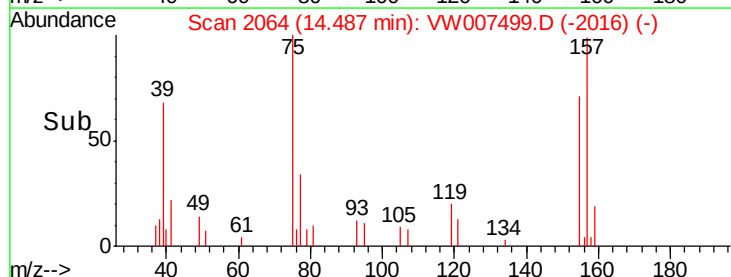
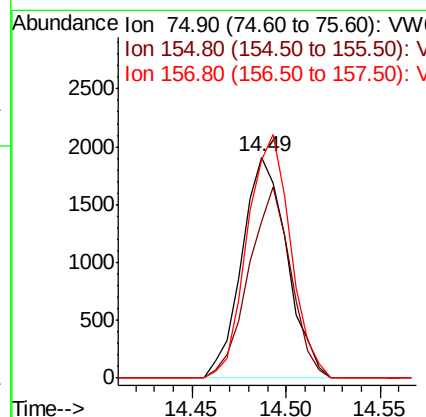
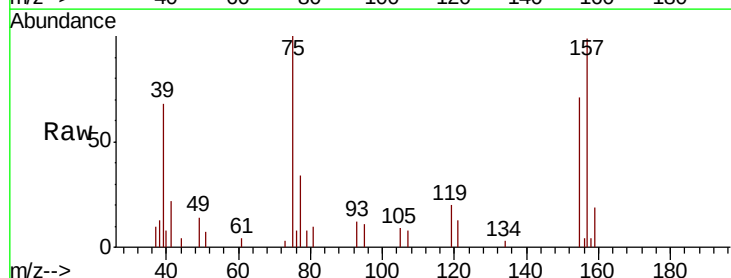
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS02

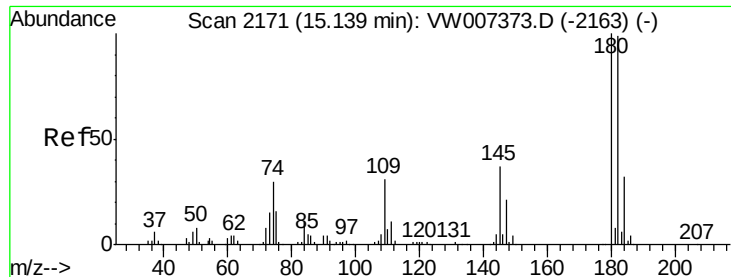
Tot Ion:146 Resp: 40602
 Ion Ratio Lower Upper
 146 100
 111 42.9 22.4 67.2
 148 63.4 32.4 97.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.539 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW007499.D
 Acq: 13 Dec 2018 22:05

Tgt Ion: 75 Resp: 3177
 Ion Ratio Lower Upper
 75 100
 155 80.3 40.8 122.2
 157 105.3 51.1 153.4

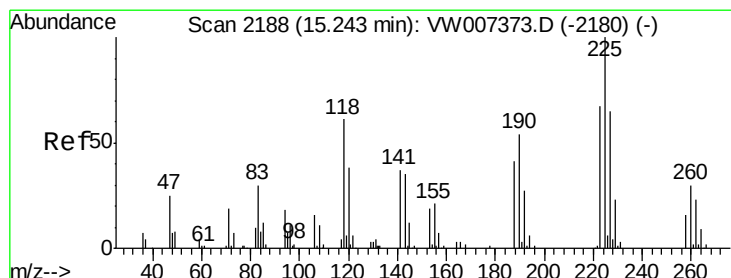
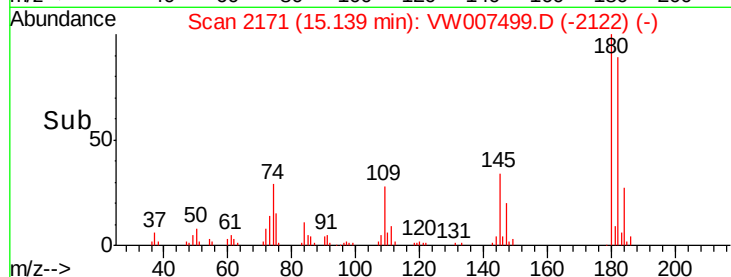
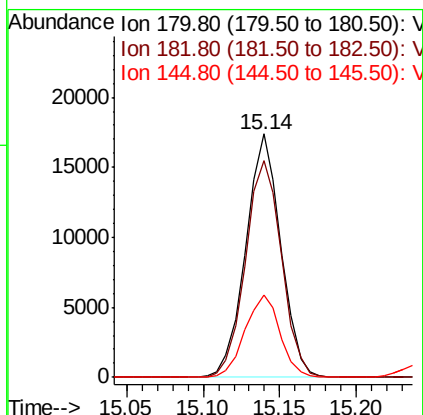
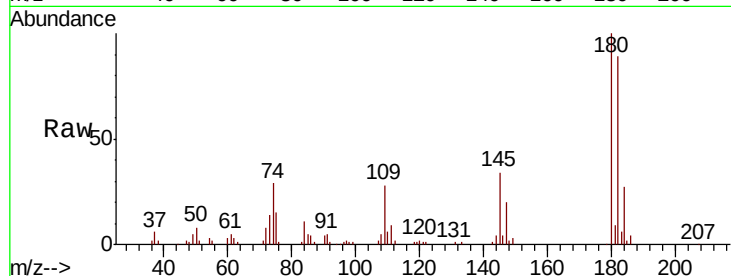




#93
 1,2,4-Trichlorobenzene
 Concen: 21.403 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW007499.D
 Acq: 13 Dec 2018 22:05

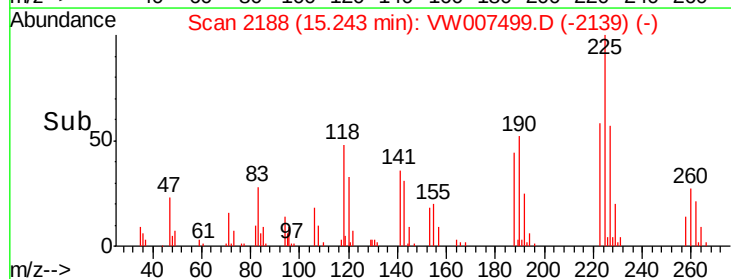
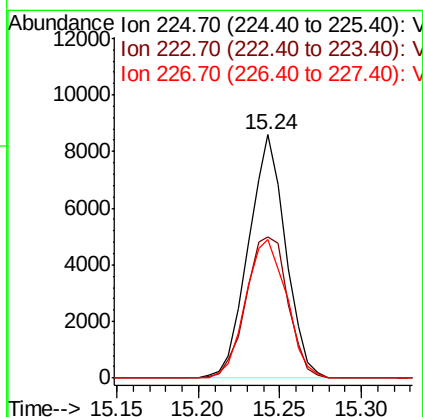
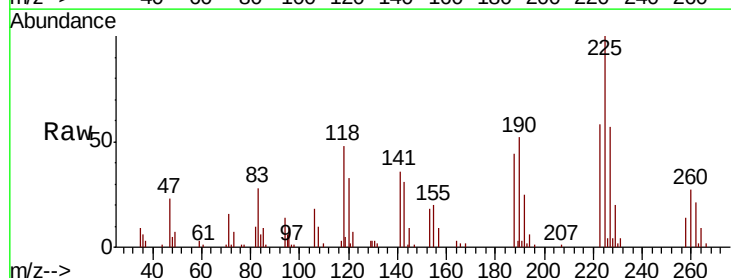
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS02

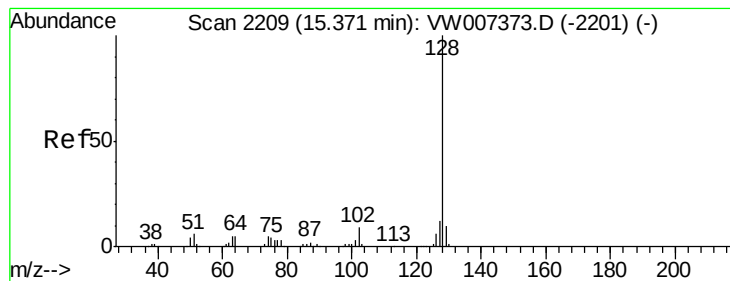
Tot Ion:180 Resp: 27650
 Ion Ratio Lower Upper
 180 100
 182 91.4 49.9 149.6
 145 33.8 17.8 53.4



#94
 Hexachlorobutadiene
 Concen: 19.872 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW007499.D
 Acq: 13 Dec 2018 22:05

Tgt Ion:225 Resp: 13621
 Ion Ratio Lower Upper
 225 100
 223 65.6 32.1 96.3
 227 62.6 31.9 95.9





#95

Naphthalene

Concen: 22.614 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS02

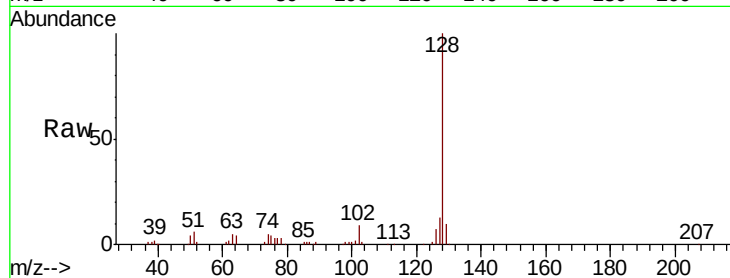
Tot Ion:128 Resp: 55888

Ion Ratio Lower Upper

128 100

127 13.7 10.2 15.4

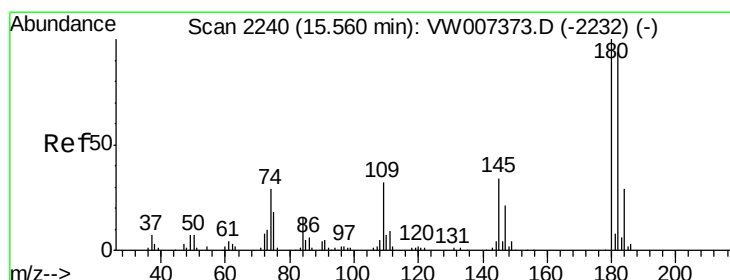
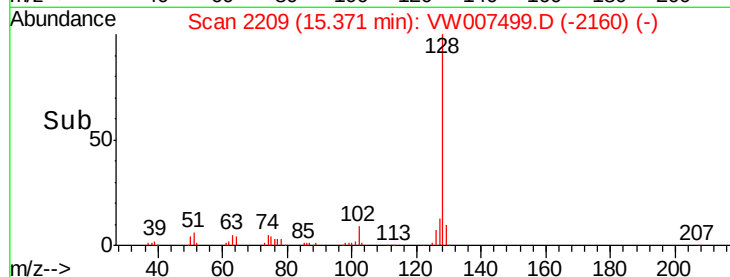
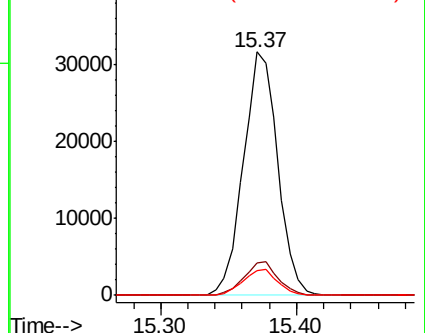
129 10.7 8.3 12.5



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



#96

1,2,3-Trichlorobenzene

Concen: 21.067 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. 0.01 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

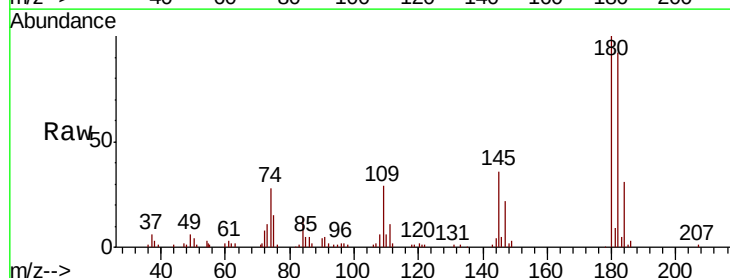
Tgt Ion:180 Resp: 23642

Ion Ratio Lower Upper

180 100

182 95.1 45.6 136.7

145 35.6 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

