

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121618\
 Data File : VW007475.D
 Acq On : 13 Dec 2018 09:34
 Operator : SY/AP
 Sample : VW1212SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS01

Quant Time: Dec 13 11:33:17 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	83570	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	143581	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	128647	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	64402	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	44645	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	
35) Dibromofluoromethane	7.88	113	41435	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	
50) Toluene-d8	10.32	98	161495	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
62) 4-Bromofluorobenzene	12.62	95	59887	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	11705	20.043	ug/l	99
3) Chloromethane	2.21	50	9552	19.530	ug/l	97
4) Vinyl Chloride	2.37	62	11825	20.602	ug/l	92
5) Bromomethane	2.78	94	8099	21.001	ug/l	85
6) Chloroethane	2.92	64	6546	20.718	ug/l	91
7) Trichlorofluoromethane	3.26	101	9290	18.003	ug/l	97
8) Diethyl Ether	3.68	74	8134	20.140	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	16611	19.509	ug/l	97
10) Methyl Iodide	4.26	142	27828	19.733	ug/l	99
11) Tert butyl alcohol	5.17	59	6498	102.049	ug/l #	92
12) 1,1-Dichloroethene	4.03	96	15755	19.218	ug/l	98
13) Acrolein	3.89	56	2866	68.022	ug/l	97
14) Allyl chloride	4.66	41	23351	19.324	ug/l	99
15) Acrylonitrile	5.37	53	17253	101.333	ug/l	97
16) Acetone	4.11	43	13988	86.375	ug/l	89
17) Carbon Disulfide	4.37	76	47207	18.992	ug/l	97
18) Methyl Acetate	4.67	43	9269	21.088	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	25498	20.618	ug/l	97
20) Methylene Chloride	4.90	84	19215	19.291	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	18381	20.043	ug/l	99
22) Diisopropyl ether	6.31	45	46545	20.039	ug/l	95
23) Vinyl Acetate	6.25	43	124760	96.030	ug/l	99
24) 1,1-Dichloroethane	6.21	63	31608	20.135	ug/l	99
25) 2-Butanone	7.17	43	19979	94.500	ug/l	95
26) 2,2-Dichloropropane	7.17	77	19045	18.331	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	20241	20.157	ug/l	100
28) Bromochloromethane	7.51	49	11857	20.080	ug/l	96
29) Tetrahydrofuran	7.52	42	13242	98.938	ug/l	95
30) Chloroform	7.67	83	34256	20.052	ug/l	97
31) Cyclohexane	7.95	56	26625	18.486	ug/l #	94
32) 1,1,1-Trichloroethane	7.87	97	29497	19.689	ug/l	99
36) 1,1-Dichloropropene	8.08	75	25332	19.340	ug/l	97
37) Ethyl Acetate	7.26	43	9569	19.642	ug/l	97
38) Carbon Tetrachloride	8.07	117	27387	19.217	ug/l	97

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 Sample : VW1212SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS01

Quant Time: Dec 13 11:33:17 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	30273	19.087	ug/l	95
40) Benzene	8.32	78	72095	19.834	ug/l	98
41) Methacrylonitrile	7.48	41	5668	20.431	ug/l	99
42) 1,2-Dichloroethane	8.40	62	22480	19.688	ug/l	99
43) Isopropyl Acetate	8.43	43	19108	19.857	ug/l	98
44) Trichloroethene	9.09	130	20577	19.824	ug/l	100
45) 1,2-Dichloropropane	9.37	63	17132	20.367	ug/l	99
46) Dibromomethane	9.46	93	9603	20.103	ug/l	98
47) Bromodichloromethane	9.65	83	25473	20.330	ug/l	98
48) Methyl methacrylate	9.43	41	9407	19.034	ug/l	96
49) 1,4-Dioxane	9.44	88	3256	420.089	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	44957	98.876	ug/l	96
52) Toluene	10.39	92	48107	20.451	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	24226	19.916	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	27650	19.663	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	13357	20.545	ug/l	96
56) Ethyl methacrylate	10.65	69	15856	20.291	ug/l	99
57) 1,3-Dichloropropane	10.93	76	22981	21.536	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	35001	97.130	ug/l	99
59) 2-Hexanone	10.97	43	30225	99.693	ug/l	96
60) Dibromochloromethane	11.13	129	17327	21.119	ug/l	98
61) 1,2-Dibromoethane	11.24	107	13460	20.950	ug/l	95
64) Tetrachloroethene	10.87	164	18183	19.654	ug/l	93
65) Chlorobenzene	11.66	112	53687	20.022	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	19378	20.519	ug/l	99
67) Ethyl Benzene	11.73	91	93860	20.360	ug/l	93
68) m/p-Xylenes	11.84	106	72461	40.431	ug/l	99
69) o-Xylene	12.17	106	34652	20.703	ug/l	99
70) Styrene	12.18	104	58443	21.617	ug/l	97
71) Bromoform	12.35	173	9382	19.409	ug/l #	95
73) Isopropylbenzene	12.47	105	96260	19.507	ug/l	99
74) N-amyl acetate	12.27	43	17621	19.648	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	14970	20.482	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	19451	36.630	ug/l #	1
77) Bromobenzene	12.75	156	21935	20.053	ug/l	96
78) n-propylbenzene	12.81	91	112362	20.232	ug/l	99
79) 2-Chlorotoluene	12.90	91	65841	19.593	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	83201	20.066	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	4368	18.171	ug/l	97
82) 4-Chlorotoluene	12.99	91	70326	19.854	ug/l	98
83) tert-Butylbenzene	13.21	119	72806	19.928	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	83986	19.683	ug/l	99
85) sec-Butylbenzene	13.39	105	99526	19.955	ug/l	95
86) p-Isopropyltoluene	13.50	119	90236	20.139	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	43474	19.934	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	43417	19.802	ug/l	98
89) n-Butylbenzene	13.83	91	80218	19.312	ug/l	99
90) Hexachloroethane	14.10	117	15604	19.572	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	38943	19.937	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2743	18.701	ug/l	95

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Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 53 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS01

Quant Time: Dec 13 11:33:17 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 11 02:58:16 2018
Response via : Initial Calibration

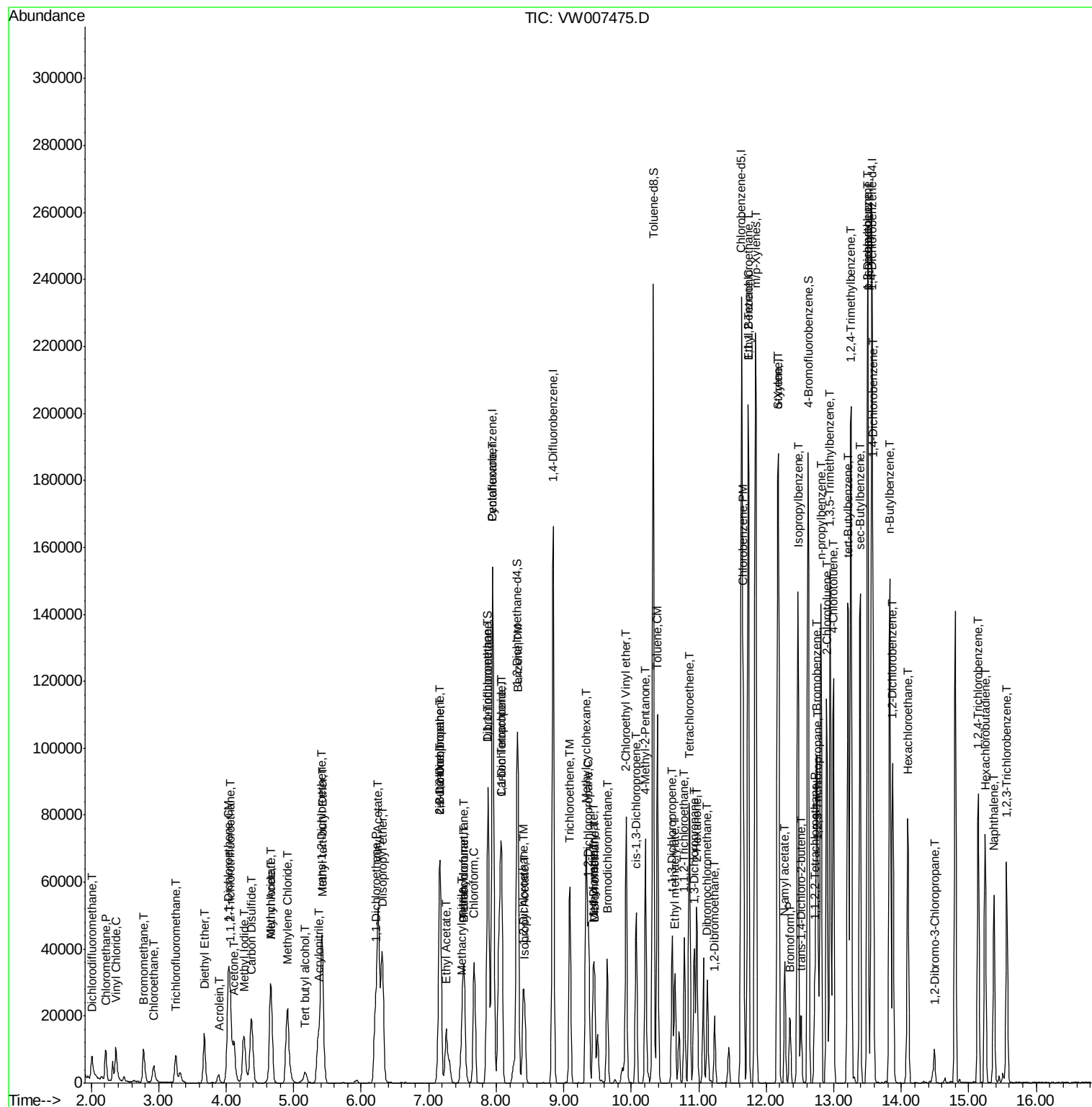
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	25760	19.163	ug/l	97
94) Hexachlorobutadiene	15.24	225	13167	18.461	ug/l	99
95) Naphthalene	15.37	128	50183	19.514	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	22138	18.958	ug/l	94

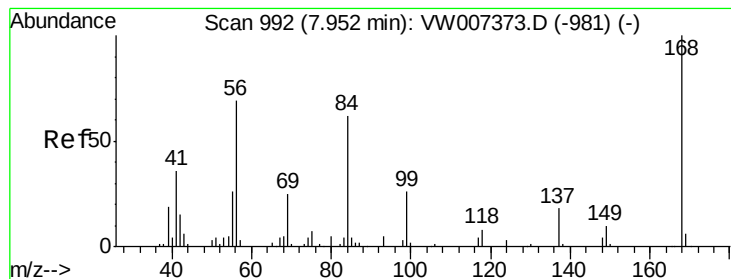
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

Instrument :

MSVOA_W

ClientSampleId :

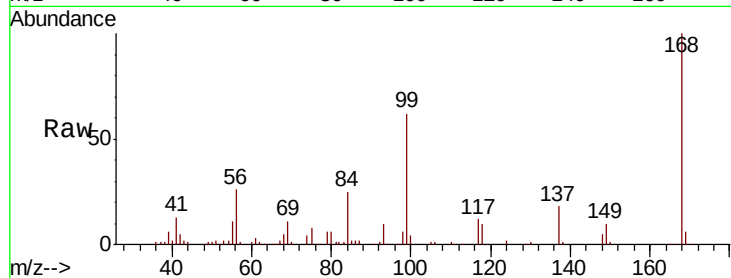
VW1216SBS01

Tot Ion:168 Resp: 83570

Ion Ratio Lower Upper

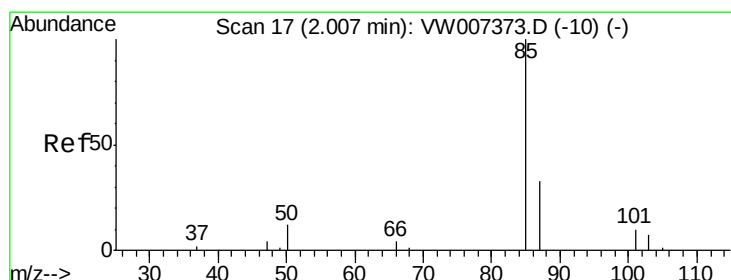
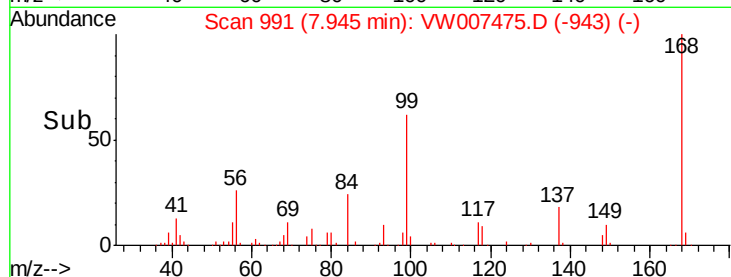
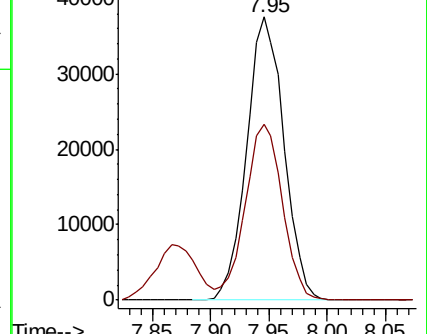
168 100

99 62.0 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 20.043 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW007475.D

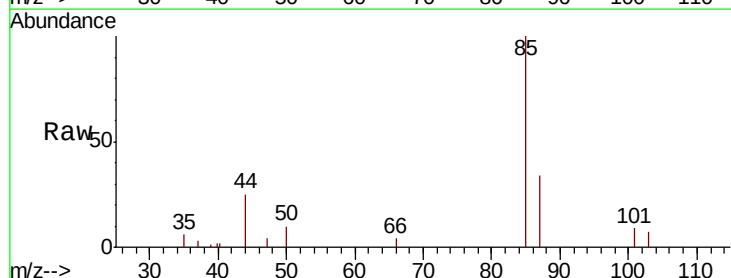
Acq: 13 Dec 2018 09:34

Tgt Ion: 85 Resp: 11705

Ion Ratio Lower Upper

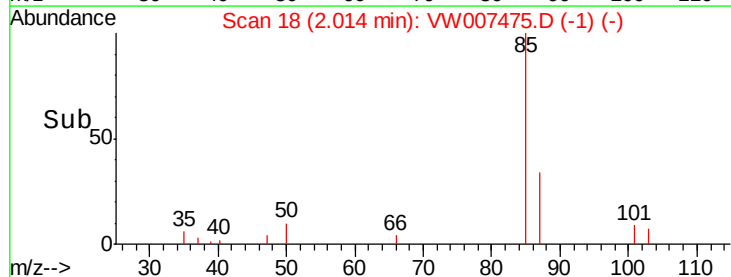
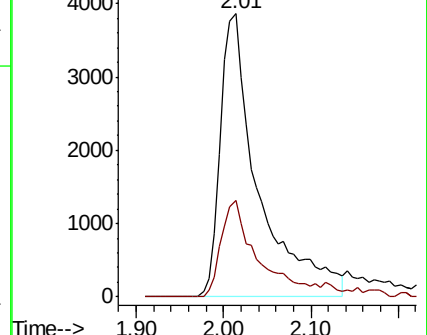
85 100

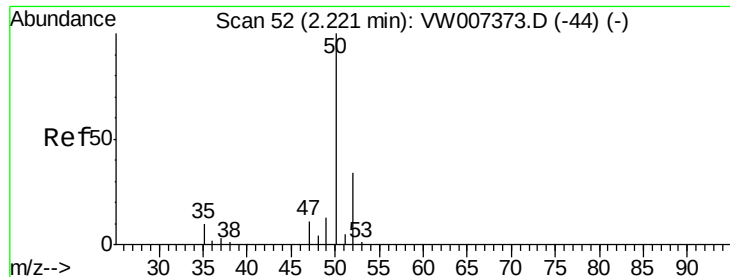
87 33.9 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 19.530 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

Instrument :

MSVOA_W

ClientSampleId :

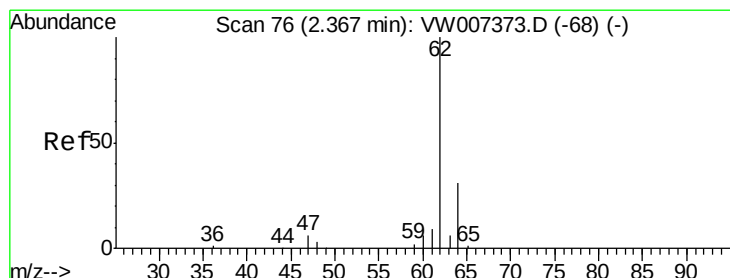
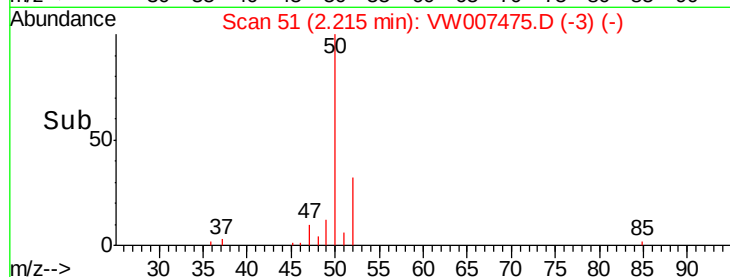
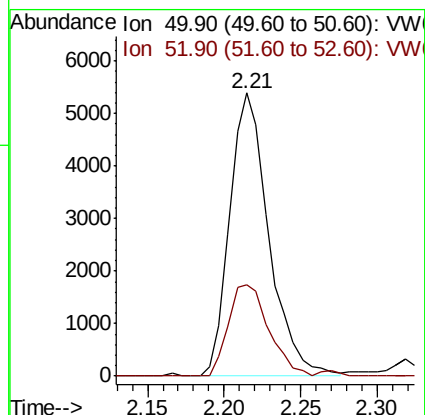
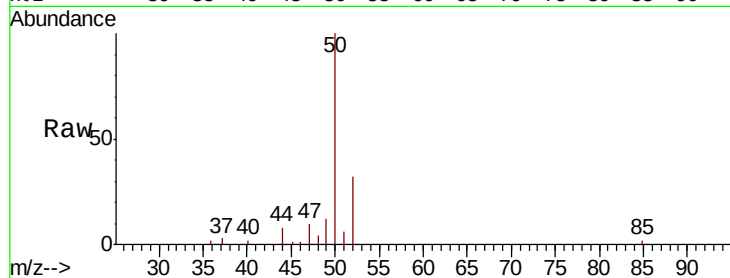
VW1216SBS01

Tot Ion: 50 Resp: 9552

Ion Ratio Lower Upper

50 100

52 32.2 27.4 41.0



#4

Vinyl Chloride

Concen: 20.602 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW007475.D

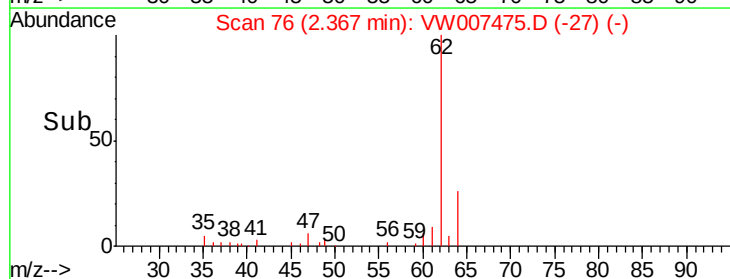
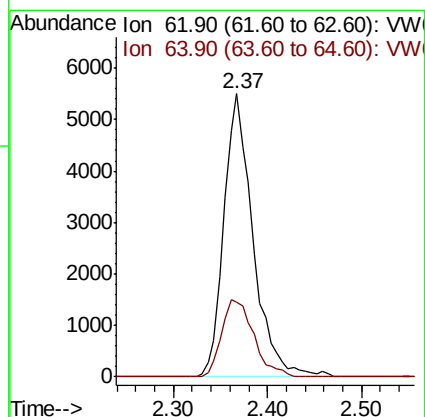
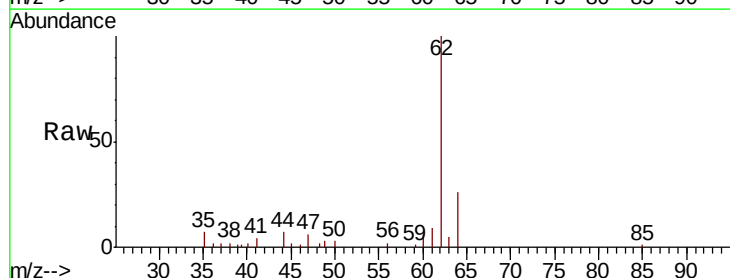
Acq: 13 Dec 2018 09:34

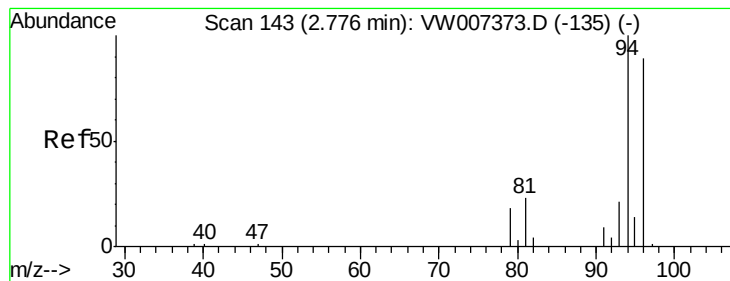
Tgt Ion: 62 Resp: 11825

Ion Ratio Lower Upper

62 100

64 26.4 24.6 37.0





#5

Bromomethane

Concen: 21.001 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

Instrument :

MSVOA_W

ClientSampleId :

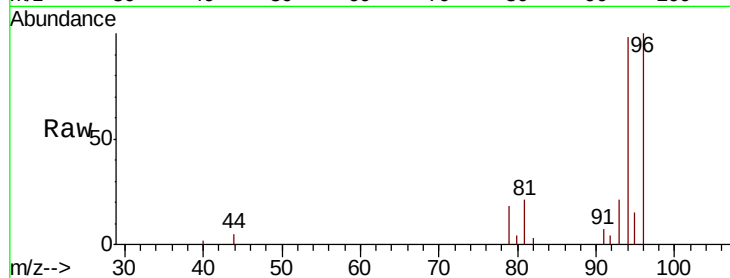
VW1216SBS01

Tot Ion: 94 Resp: 8099

Ion Ratio Lower Upper

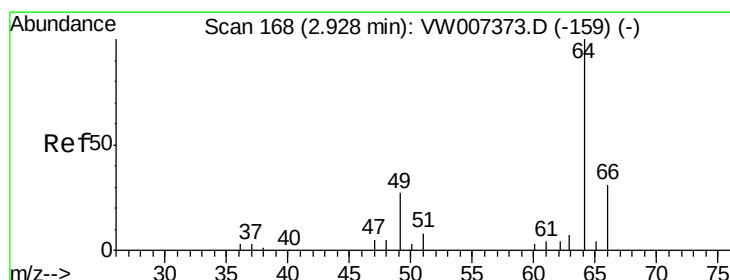
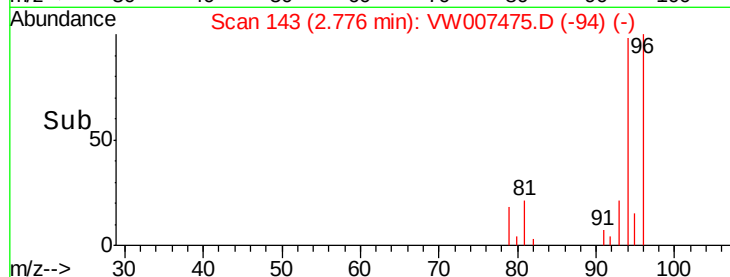
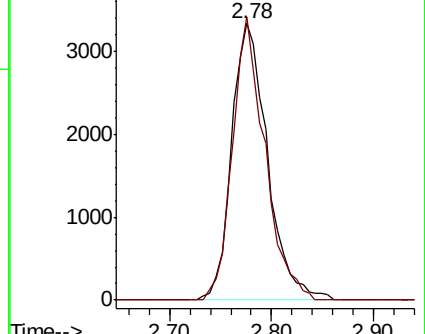
94 100

96 102.4 71.0 106.4



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 20.718 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW007475.D

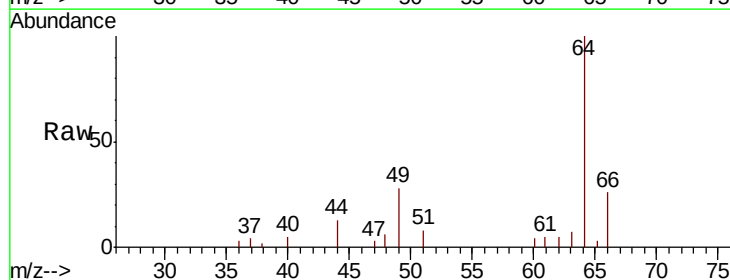
Acq: 13 Dec 2018 09:34

Tgt Ion: 64 Resp: 6546

Ion Ratio Lower Upper

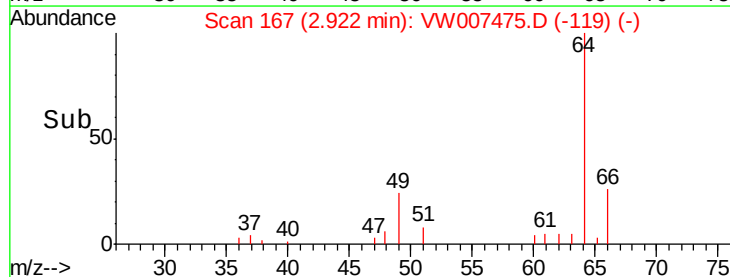
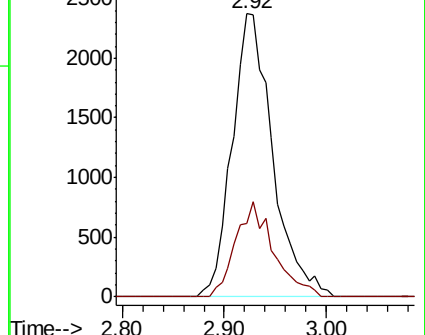
64 100

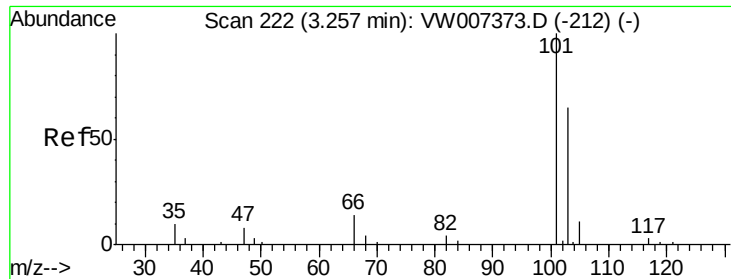
66 25.9 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



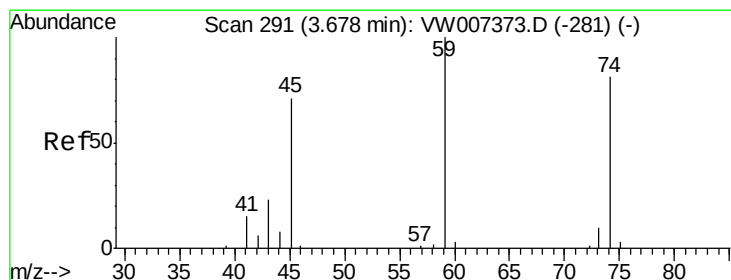
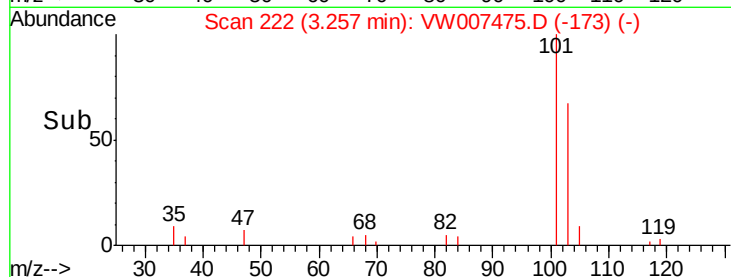
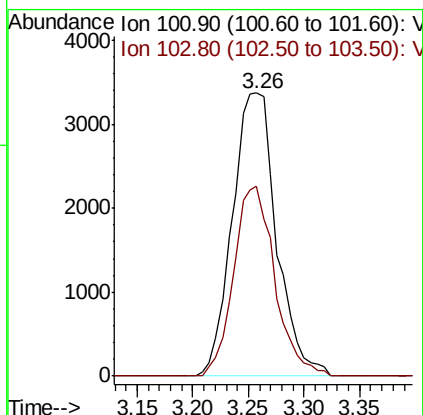
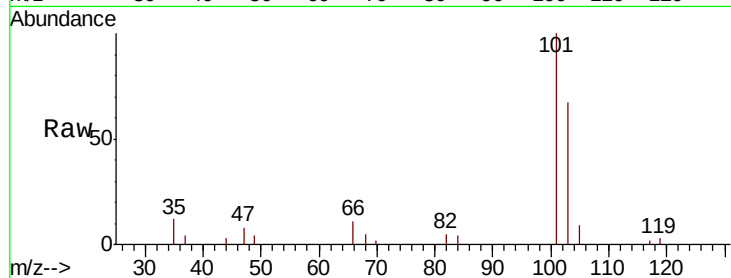


#7

Trichlorofluoromethane
 Concen: 18.003 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS01

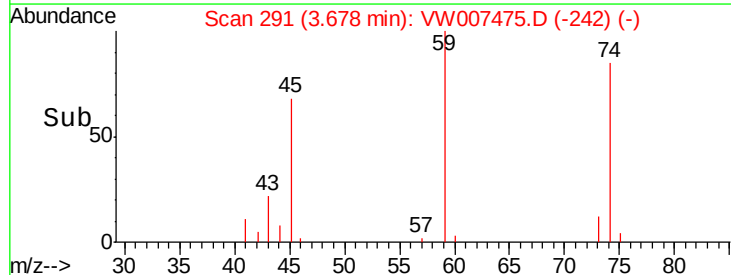
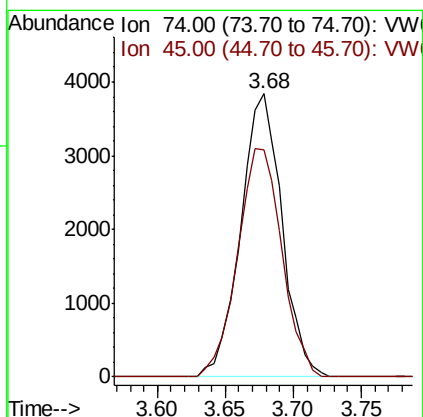
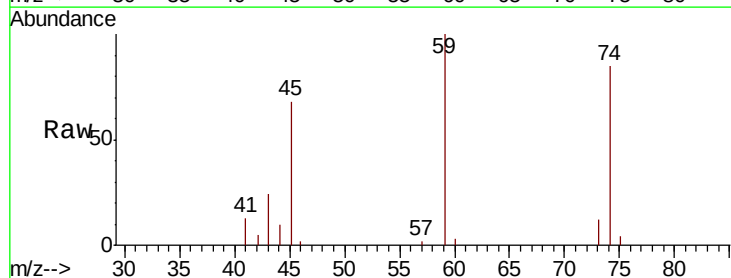
Tot Ion:101 Resp: 9290
 Ion Ratio Lower Upper
 101 100
 103 67.2 51.7 77.5

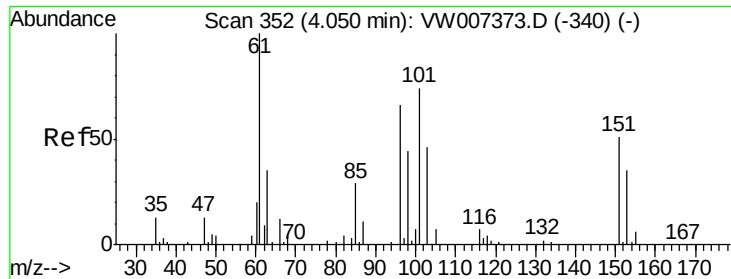


#8

Diethyl Ether
 Concen: 20.140 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

Tgt Ion: 74 Resp: 8134
 Ion Ratio Lower Upper
 74 100
 45 86.5 43.0 129.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.509 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS01

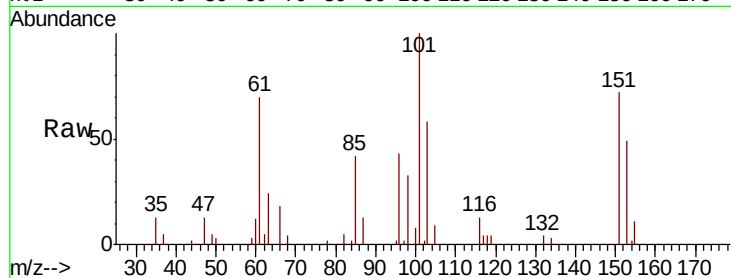
Tot Ion:101 Resp: 16611

Ion Ratio Lower Upper

101 100

85 42.0 33.9 50.9

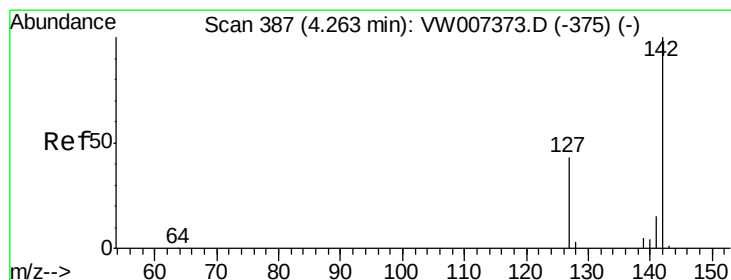
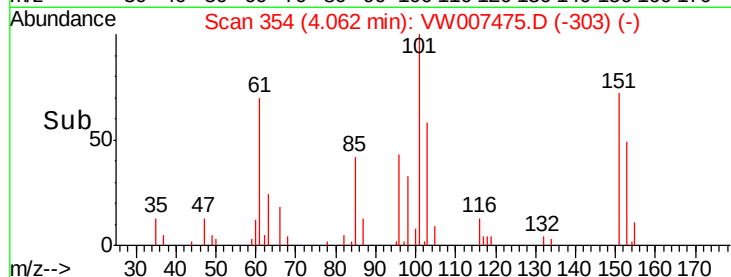
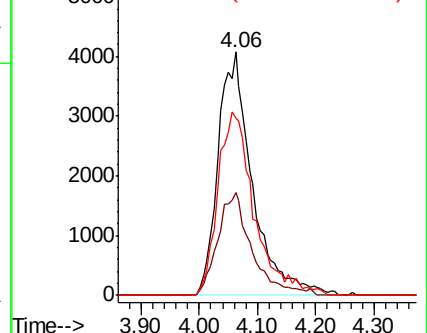
151 76.3 63.7 95.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.733 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

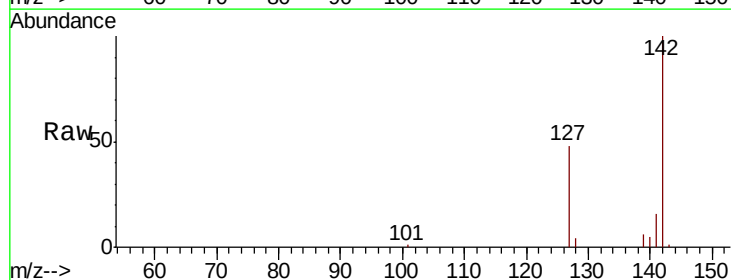
Tgt Ion:142 Resp: 27828

Ion Ratio Lower Upper

142 100

127 45.4 35.8 53.6

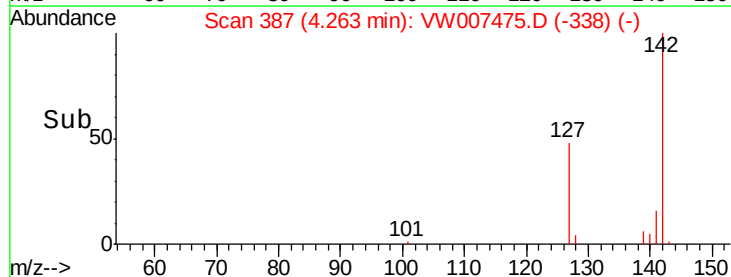
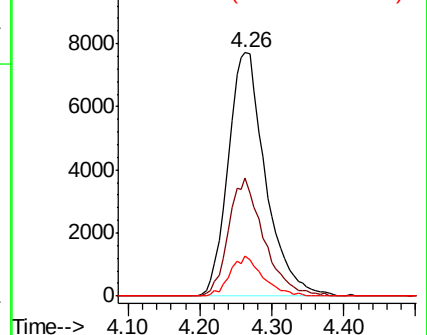
141 14.5 11.1 16.7

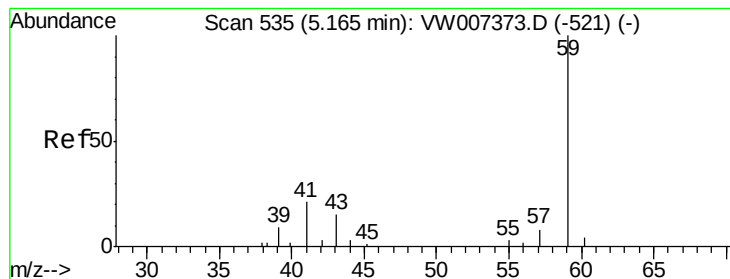


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



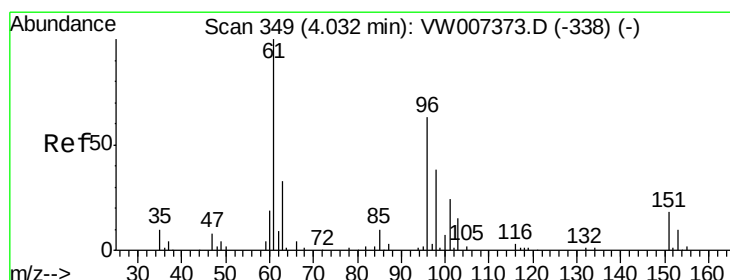
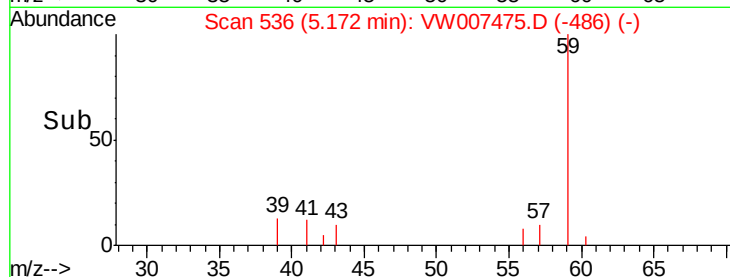
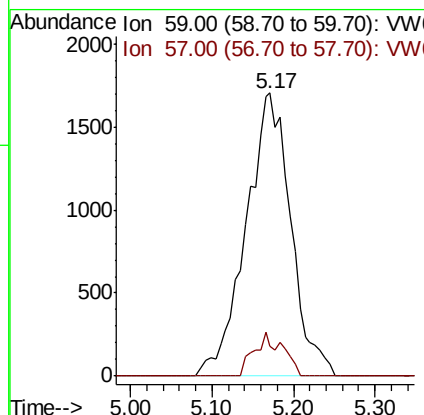
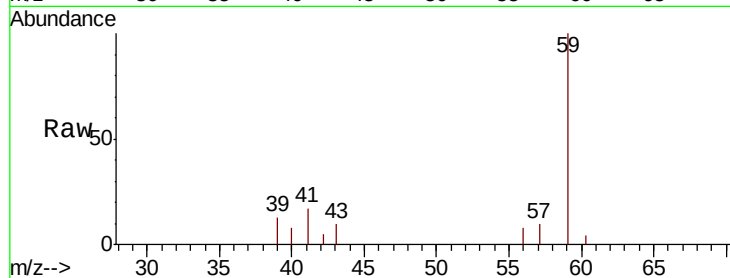


#11

Tert butyl alcohol
 Concen: 102.049 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS01

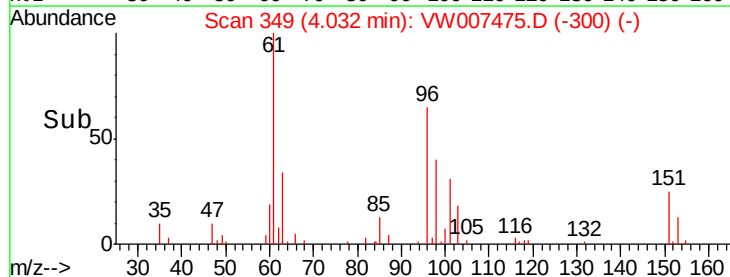
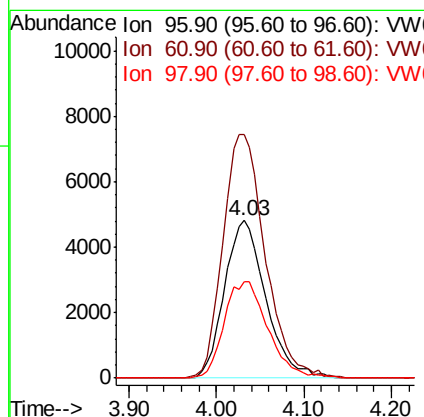
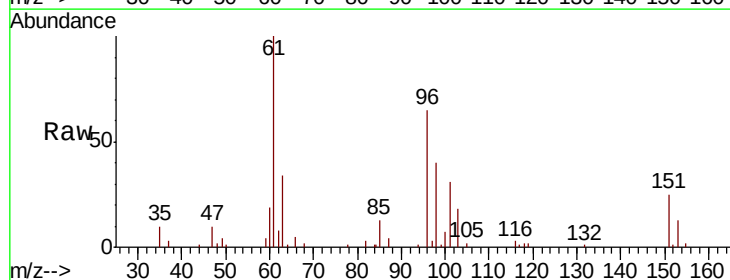
Tot Ion: 59 Resp: 6498
 Ion Ratio Lower Upper
 59 100
 57 6.6 7.6 11.4#

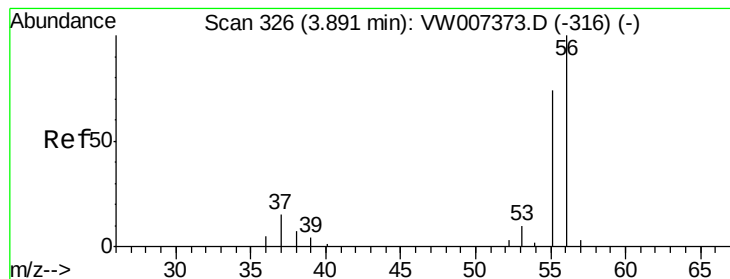


#12

1,1-Dichloroethene
 Concen: 19.218 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. 0.00 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

Tgt Ion: 96 Resp: 15755
 Ion Ratio Lower Upper
 96 100
 61 153.7 126.2 189.2
 98 61.2 48.3 72.5





#13

Acrolein

Concen: 68.022 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

Instrument :

MSVOA_W

ClientSampled :

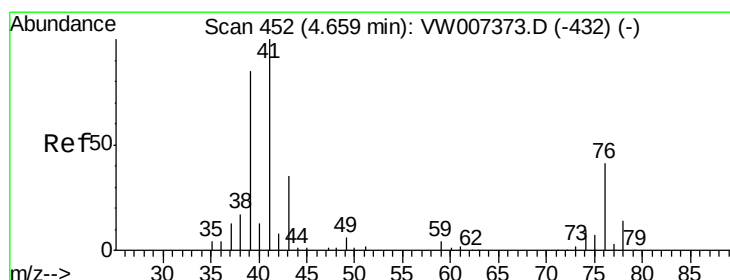
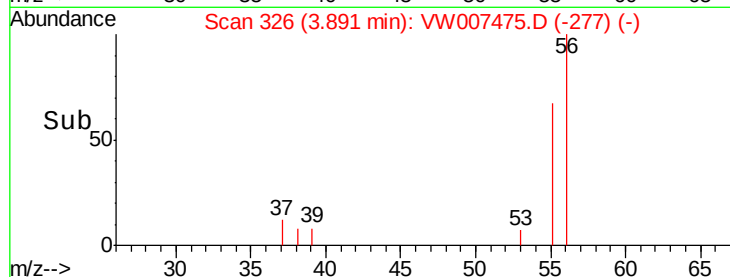
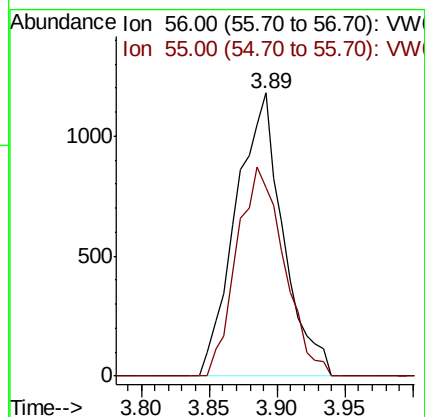
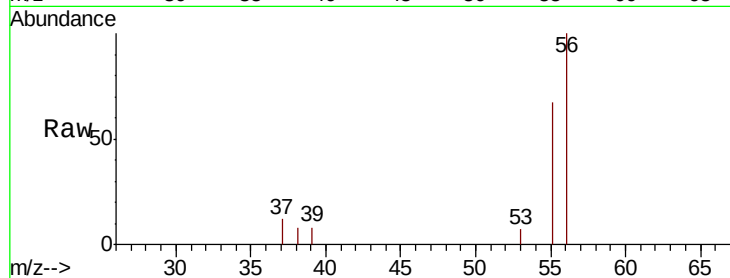
VW1216SBS01

Tot Ion: 56 Resp: 2866

Ion Ratio Lower Upper

56 100

55 74.2 57.4 86.2



#14

Allyl chloride

Concen: 19.324 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

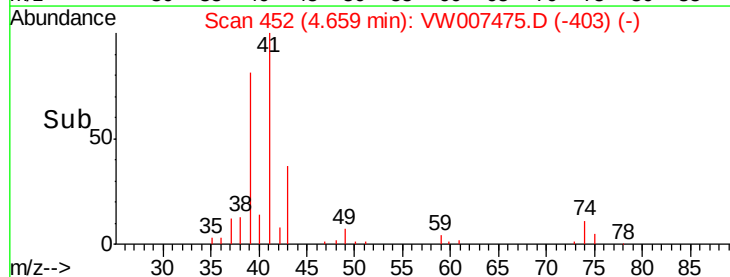
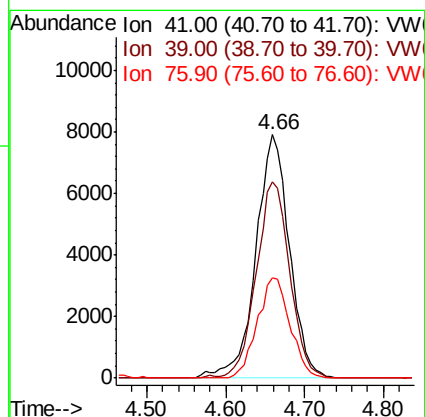
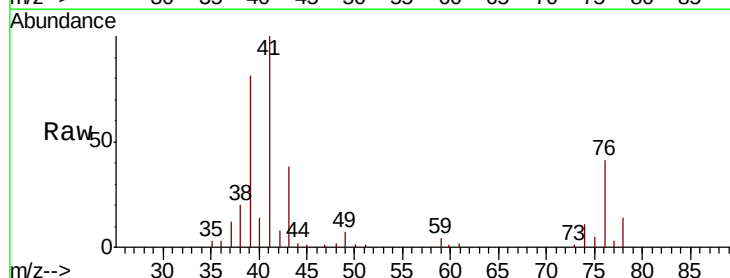
Tgt Ion: 41 Resp: 23351

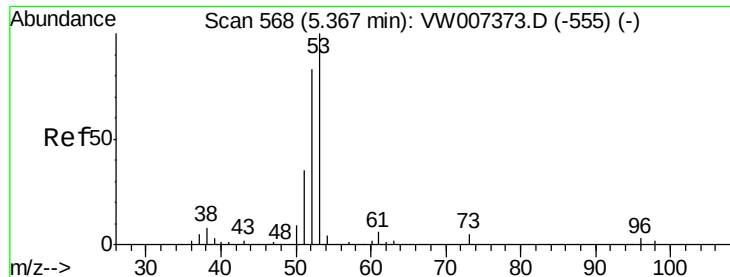
Ion Ratio Lower Upper

41 100

39 80.8 63.4 95.2

76 40.1 32.1 48.1





#15

Acrylonitrile

Concen: 101.333 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS01

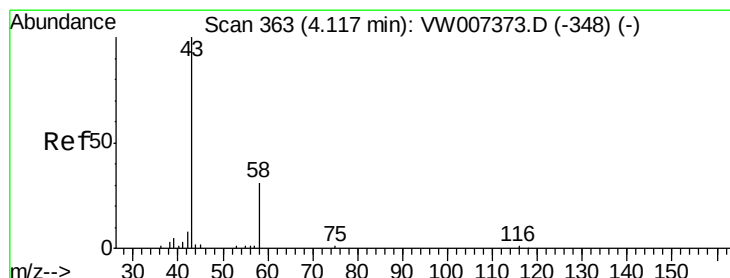
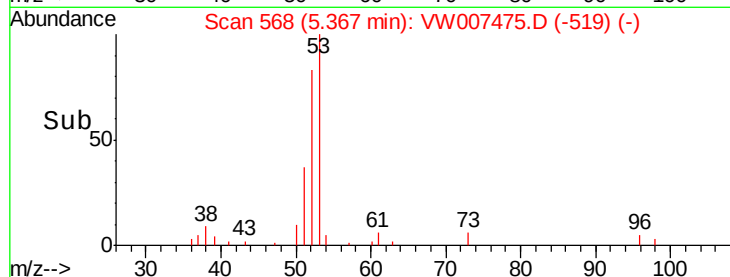
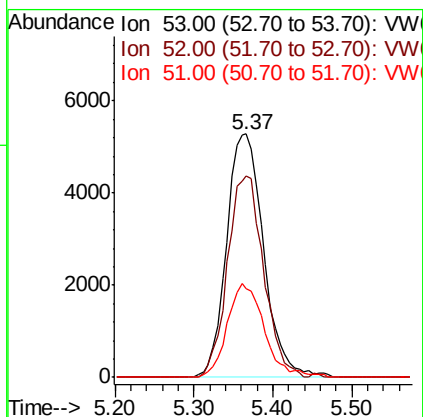
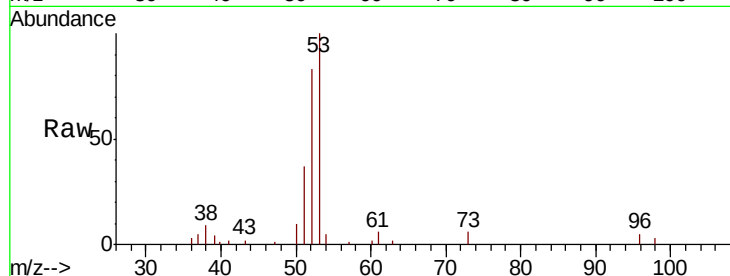
Tot Ion: 53 Resp: 17253

Ion Ratio Lower Upper

53 100

52 80.6 67.4 101.2

51 38.5 30.2 45.2



#16

Acetone

Concen: 86.375 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW007475.D

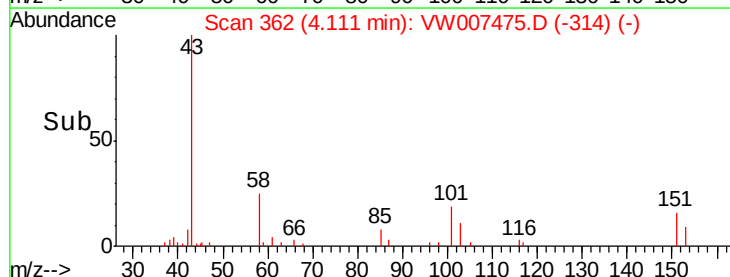
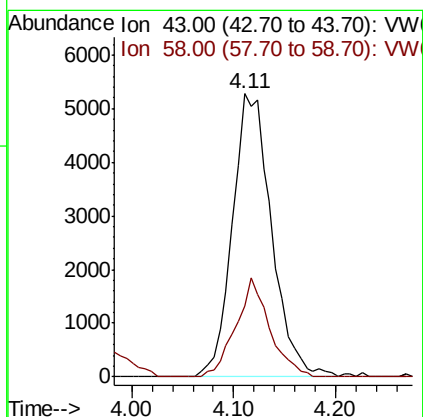
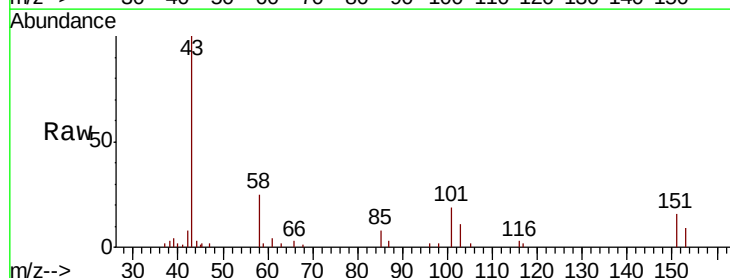
Acq: 13 Dec 2018 09:34

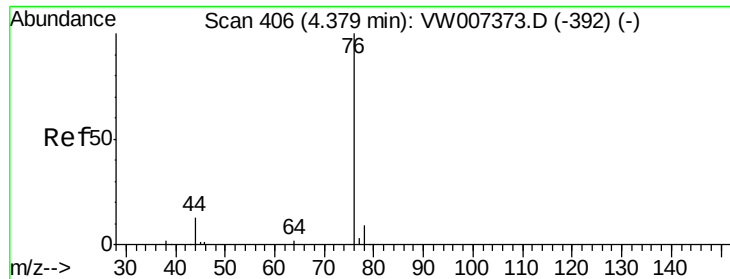
Tgt Ion: 43 Resp: 13988

Ion Ratio Lower Upper

43 100

58 25.1 24.9 37.3

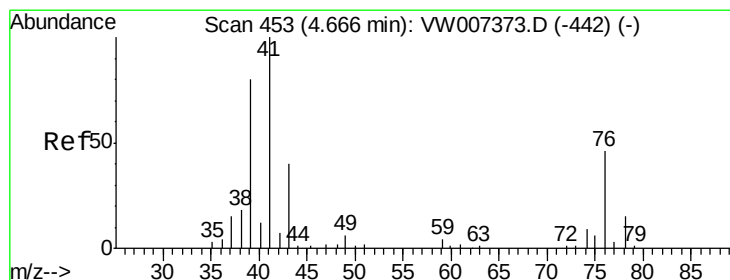
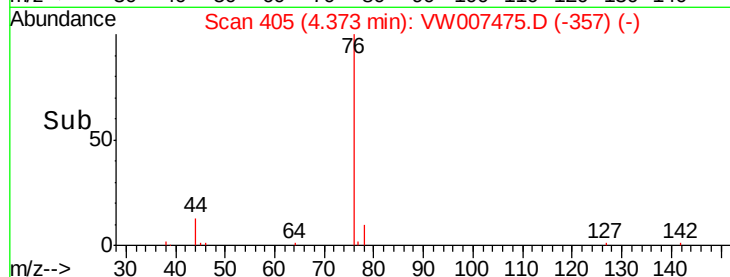
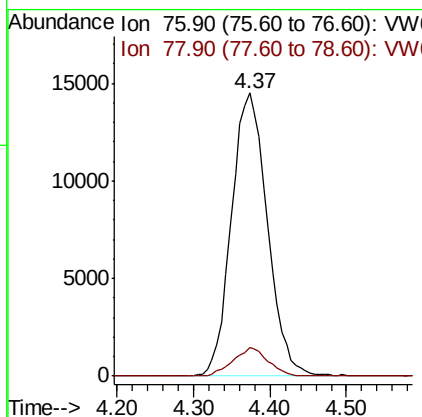
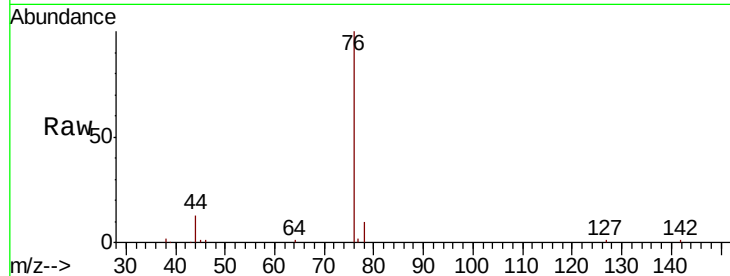




#17
Carbon Disulfide
Concen: 18.992 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

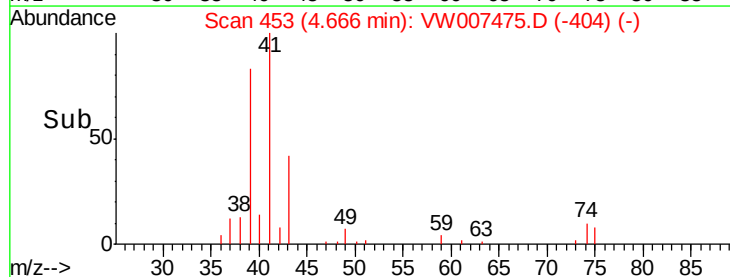
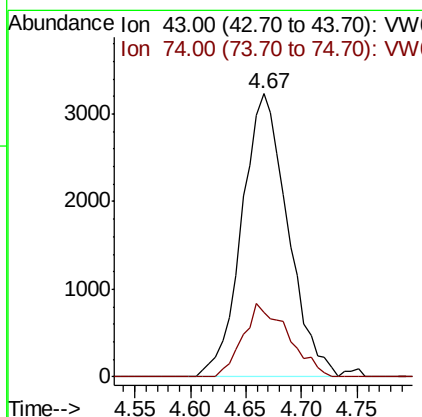
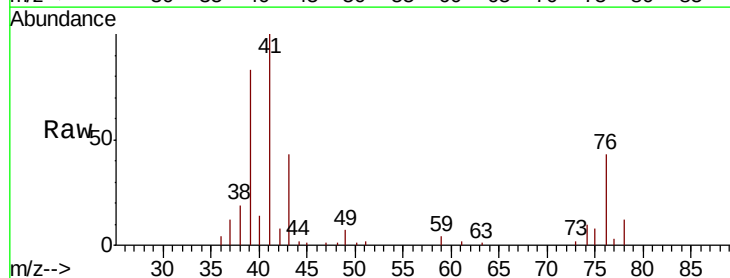
Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS01

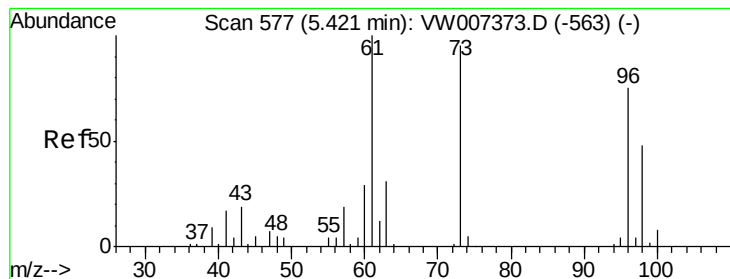
Tot Ion: 76 Resp: 47207
Ion Ratio Lower Upper
76 100
78 10.0 7.1 10.7



#18
Methyl Acetate
Concen: 21.088 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Tgt Ion: 43 Resp: 9269
Ion Ratio Lower Upper
43 100
74 25.5 21.1 31.7



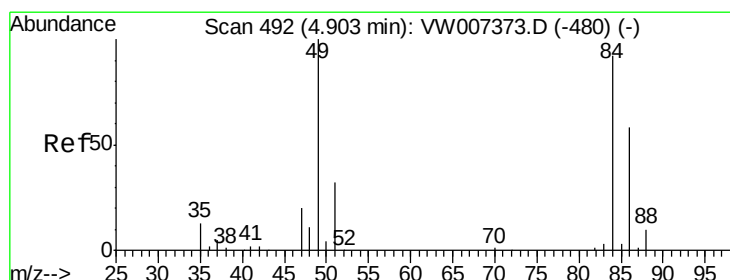
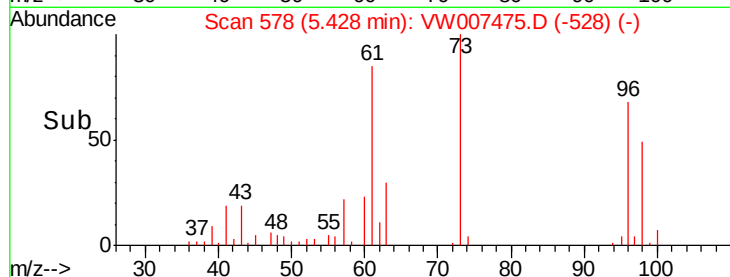
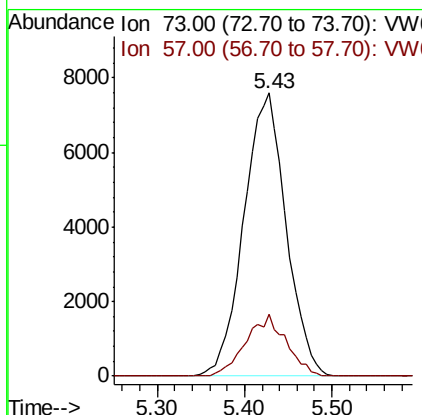
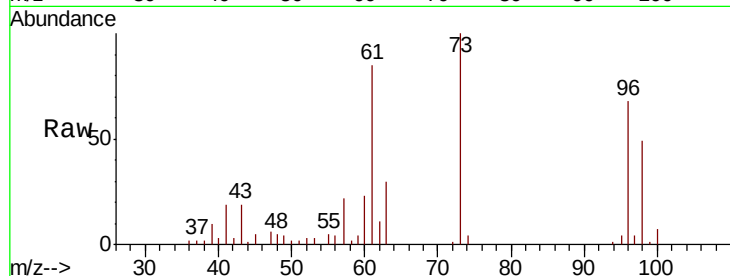


#19

Methyl tert-butyl Ether
 Concen: 20.618 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS01

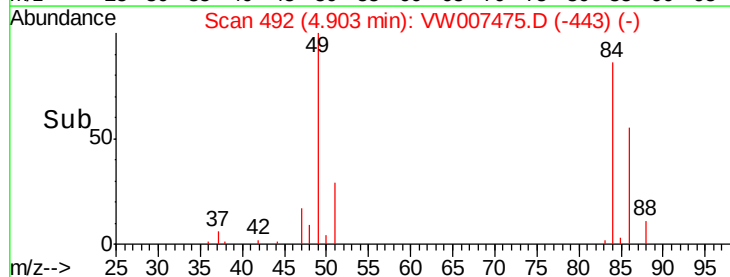
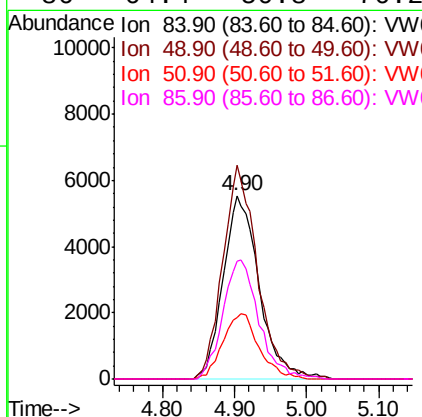
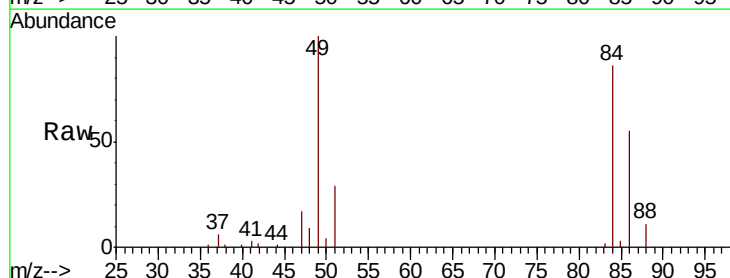
Tot Ion: 73 Resp: 25498
 Ion Ratio Lower Upper
 73 100
 57 21.9 16.4 24.6

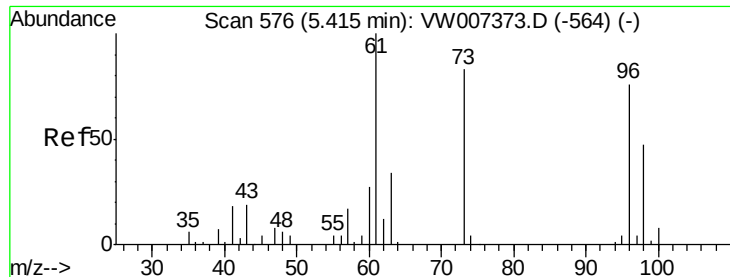


#20

Methylene Chloride
 Concen: 19.291 ug/l
 RT: 4.90 min Scan# 492
 Delta R.T. 0.00 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

Tgt Ion: 84 Resp: 19215
 Ion Ratio Lower Upper
 84 100
 49 116.3 87.1 130.7
 51 33.3 28.2 42.2
 86 64.4 50.8 76.2

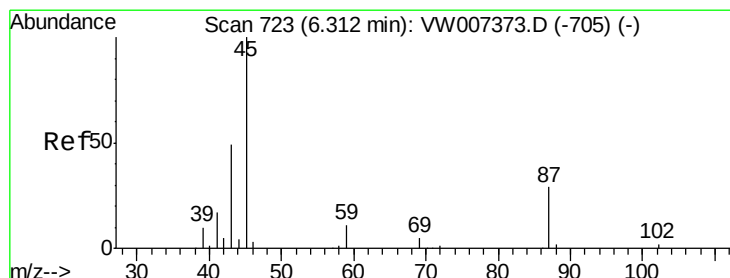
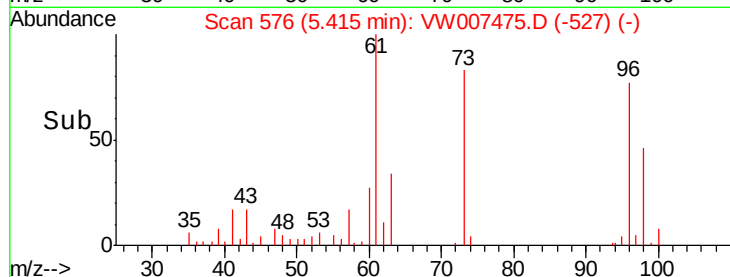
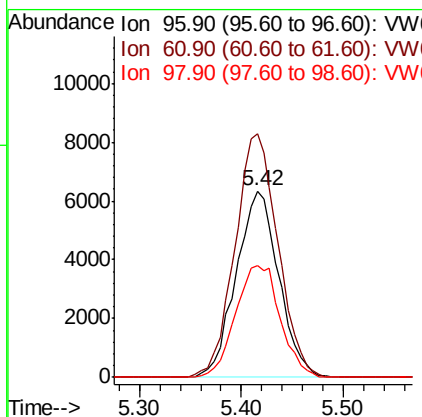
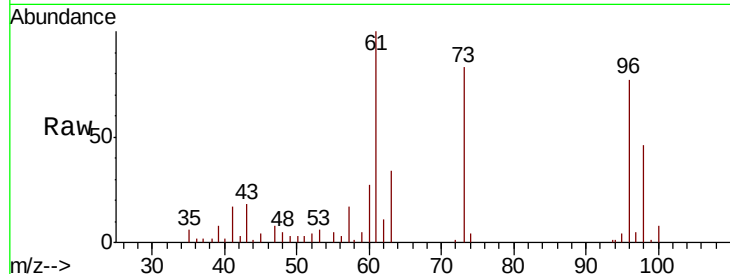




#21
trans-1,2-Dichloroethene
Concen: 20.043 ug/l
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

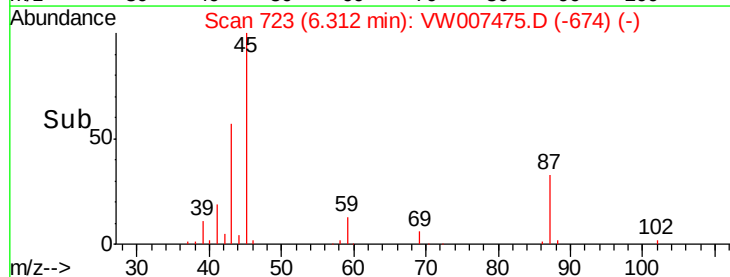
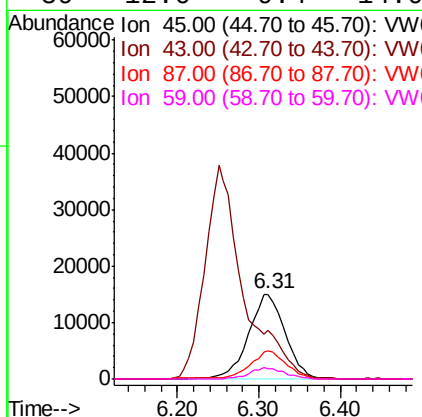
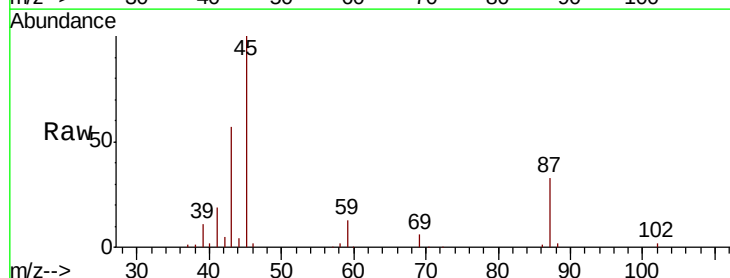
Instrument :
MSVOA_W
ClientSampled :
VW1216SBS01

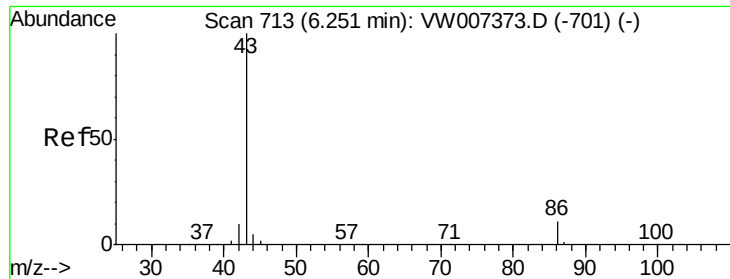
Tot Ion: 96 Resp: 18381
Ion Ratio Lower Upper
96 100
61 130.5 105.0 157.6
98 60.1 49.7 74.5



#22
Diisopropyl ether
Concen: 20.039 ug/l
RT: 6.31 min Scan# 723
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Tgt Ion: 45 Resp: 46545
Ion Ratio Lower Upper
45 100
43 56.0 41.6 62.4
87 33.1 24.3 36.5
59 12.6 9.4 14.0





#23

Vinyl Acetate

Concen: 96.030 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

Instrument :

MSVOA_W

ClientSampleId :

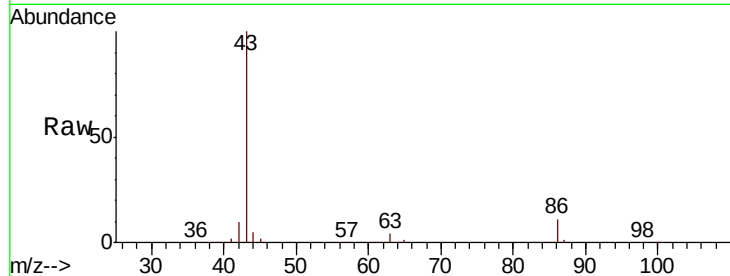
VW1216SBS01

Tot Ion: 43 Resp: 124760

Ion Ratio Lower Upper

43 100

86 11.1 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

40000

30000

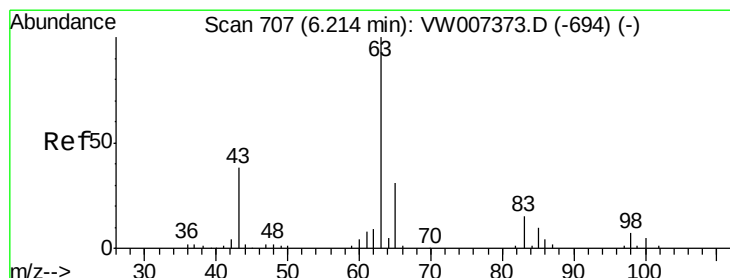
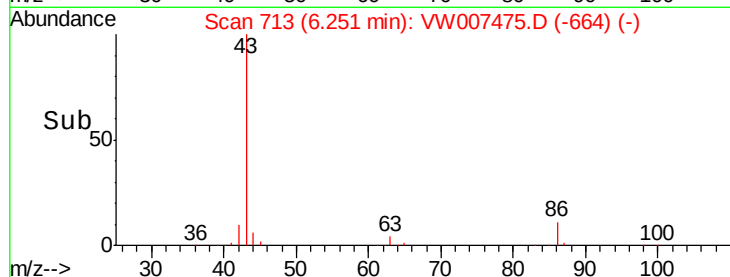
20000

10000

0

6.10 6.20 6.30 6.40

Time-->



#24

1,1-Dichloroethane

Concen: 20.135 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

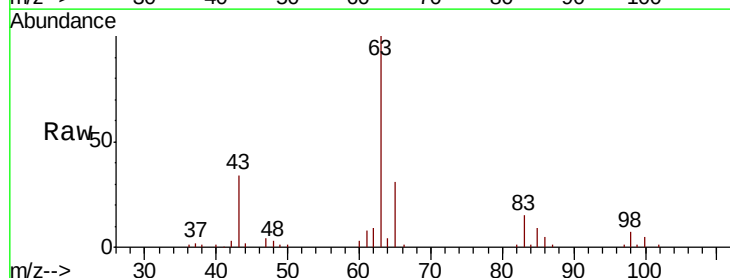
Tgt Ion: 63 Resp: 31608

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.4

100 4.9 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

6.21

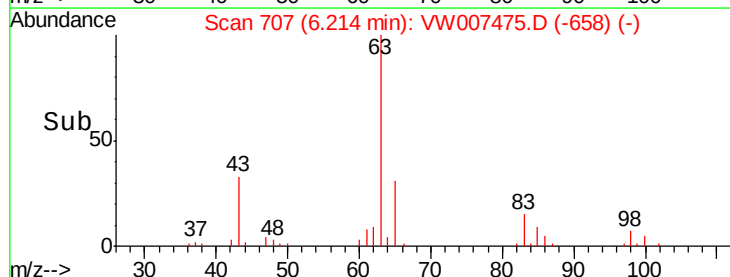
10000

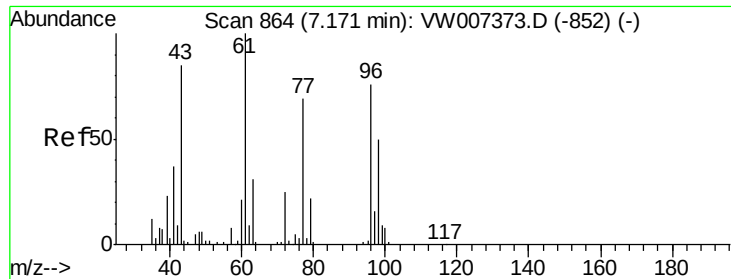
5000

0

6.10 6.20 6.30

Time-->





#25

2-Butanone

Concen: 94.500 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

Instrument :

MSVOA_W

ClientSampleId :

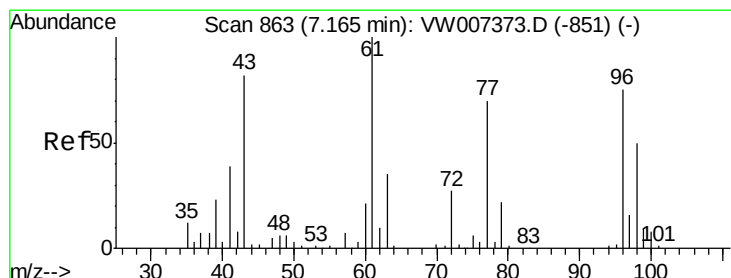
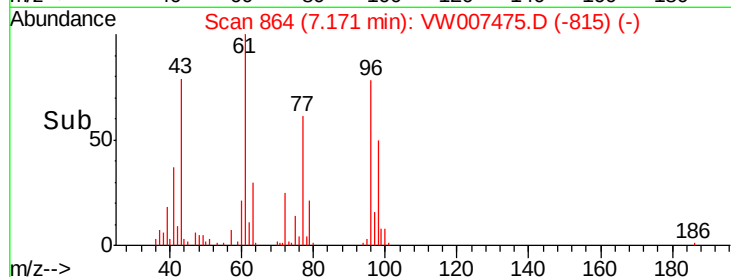
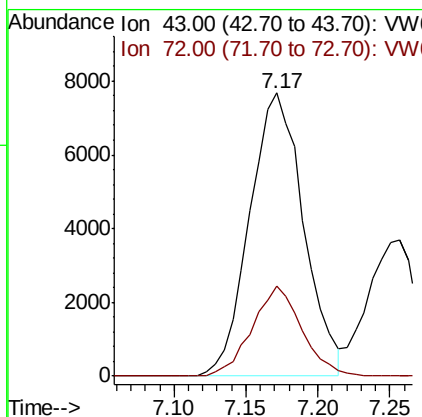
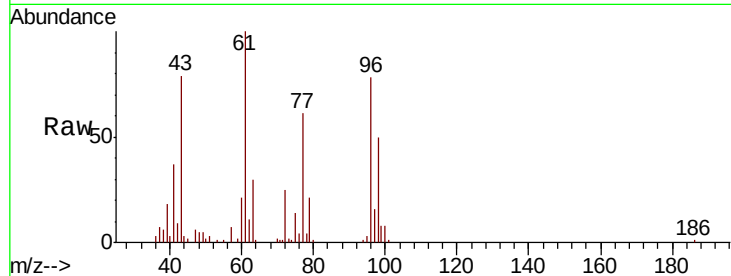
VW1216SBS01

Tot Ion: 43 Resp: 19979

Ion Ratio Lower Upper

43 100

72 31.8 23.4 35.2



#26

2,2-Dichloropropane

Concen: 18.331 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW007475.D

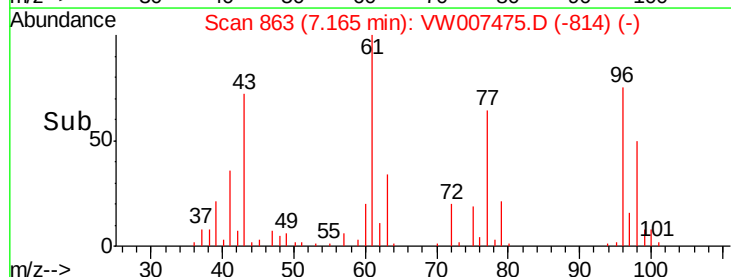
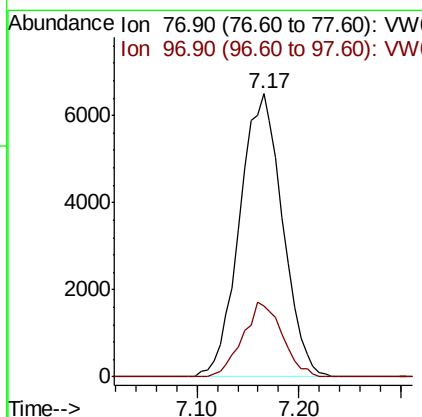
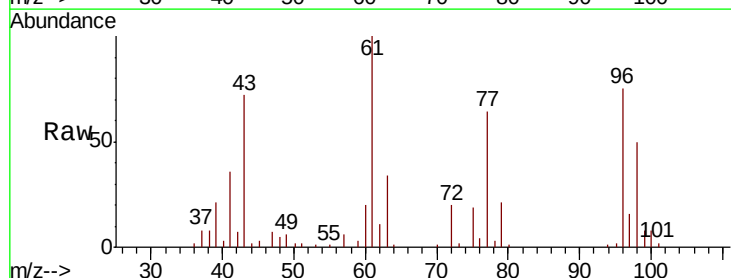
Acq: 13 Dec 2018 09:34

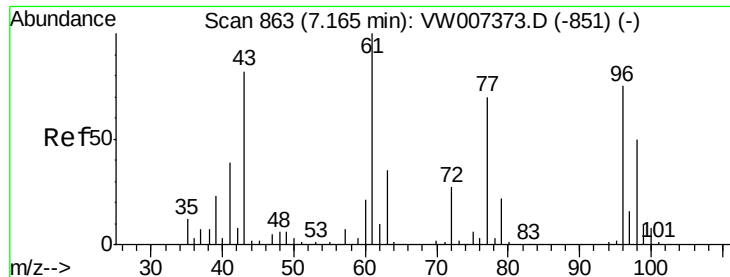
Tgt Ion: 77 Resp: 19045

Ion Ratio Lower Upper

77 100

97 24.2 11.6 34.8



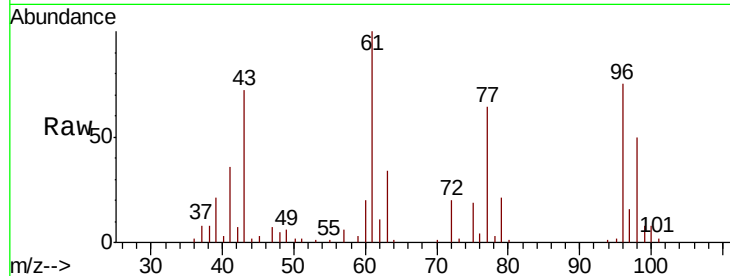


#27

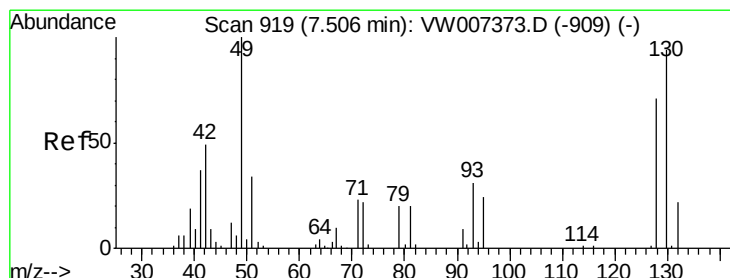
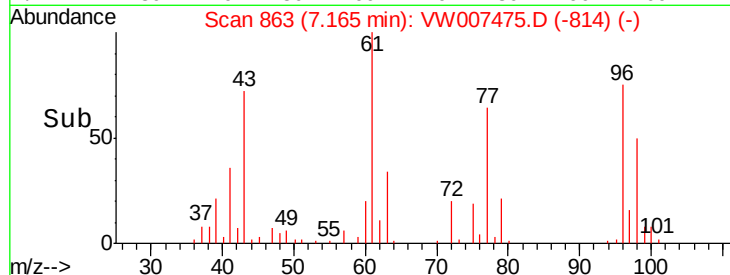
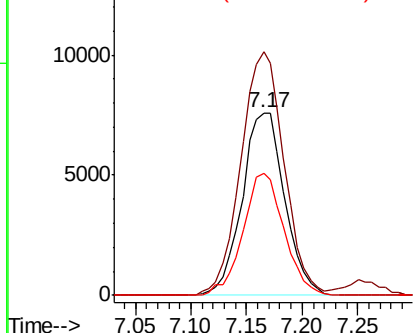
cis-1,2-Dichloroethene
 Concen: 20.157 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS01

Tot Ion: 96 Resp: 20241
 Ion Ratio Lower Upper
 96 100
 61 134.7 0.0 268.4
 98 64.3 0.0 127.8



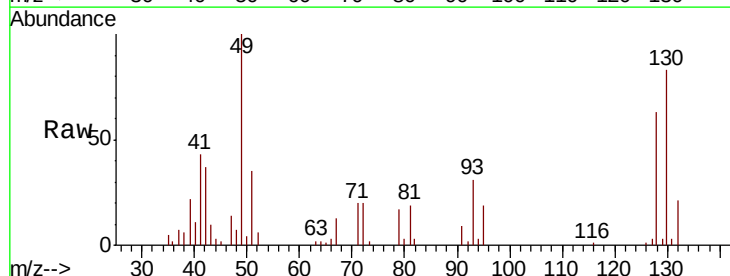
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



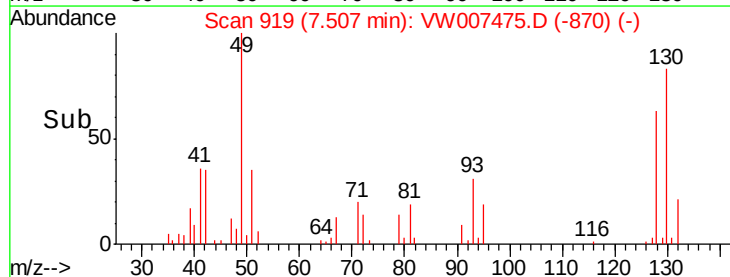
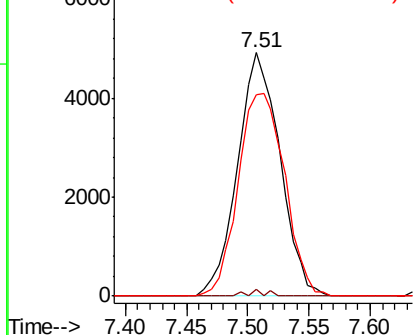
#28

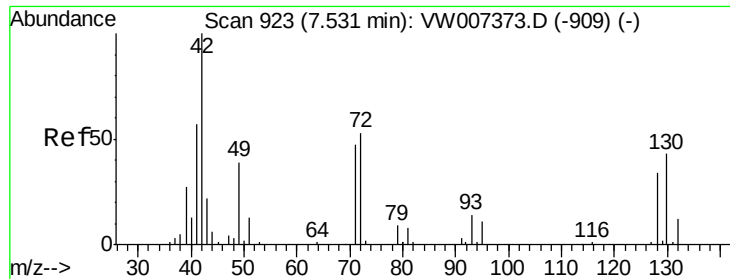
Bromochloromethane
 Concen: 20.080 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

Tgt Ion: 49 Resp: 11857
 Ion Ratio Lower Upper
 49 100
 129 0.8 0.0 2.6
 130 91.2 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

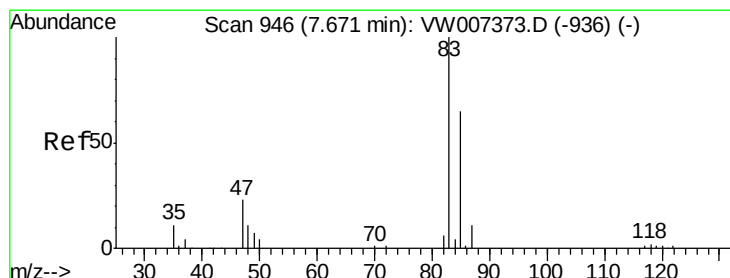
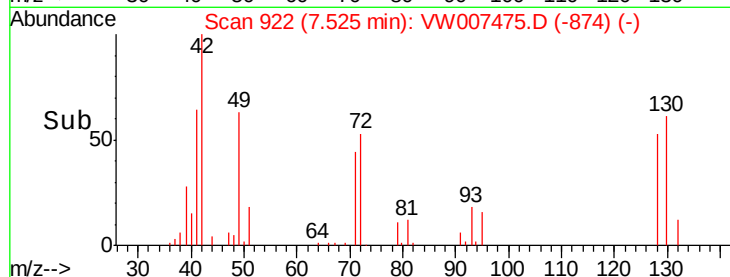
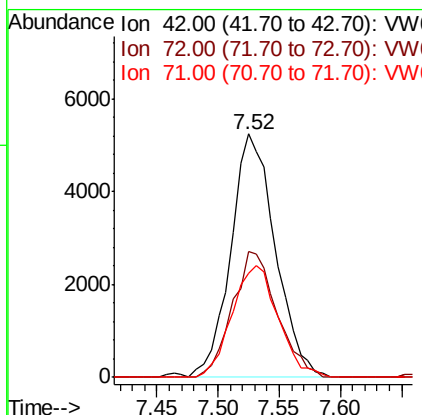
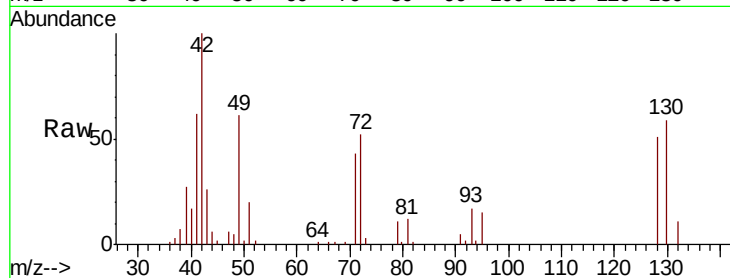




#29
Tetrahydrofuran
Concen: 98.938 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

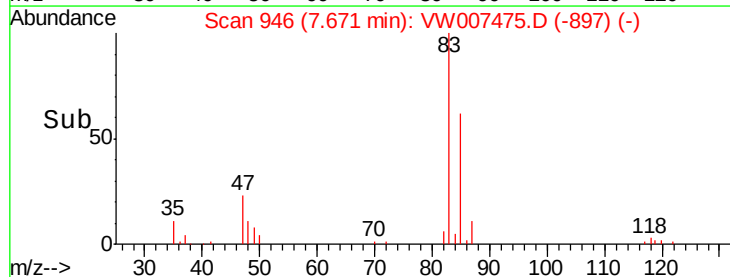
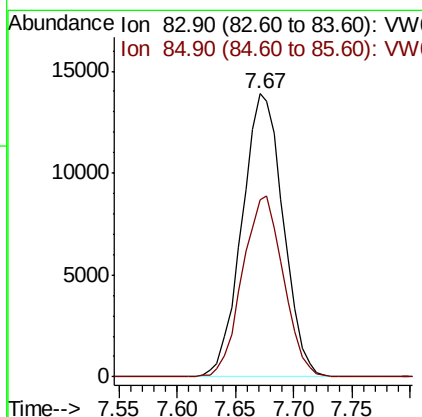
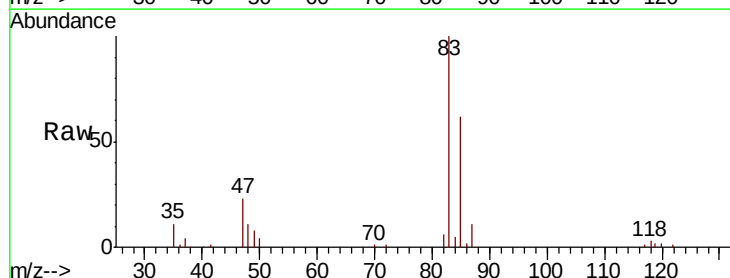
Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS01

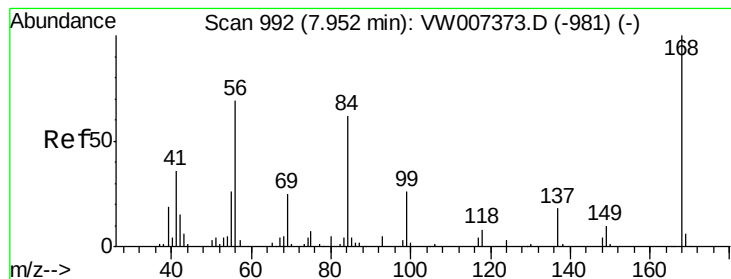
Tot Ion: 42 Resp: 13242
Ion Ratio Lower Upper
42 100
72 51.5 38.2 57.4
71 47.4 35.5 53.3



#30
Chloroform
Concen: 20.052 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Tgt Ion: 83 Resp: 34256
Ion Ratio Lower Upper
83 100
85 62.4 51.8 77.8





#31

Cyclohexane

Concen: 18.486 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS01

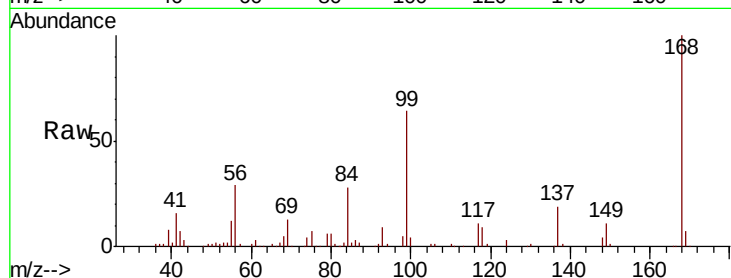
Tot Ion: 56 Resp: 26625

Ion Ratio Lower Upper

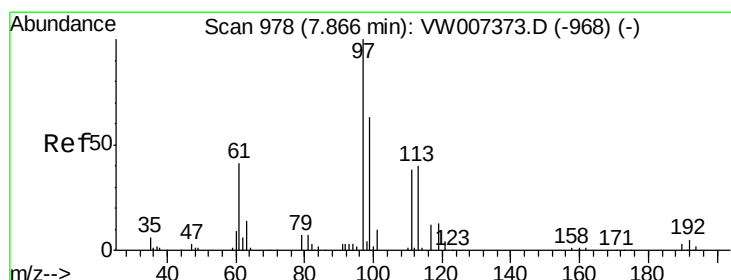
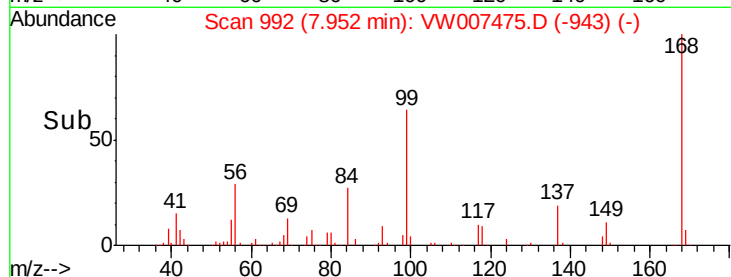
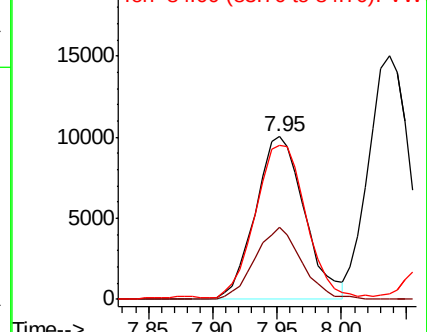
56 100

69 44.4 28.9 43.3#

84 92.9 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: 19.689 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

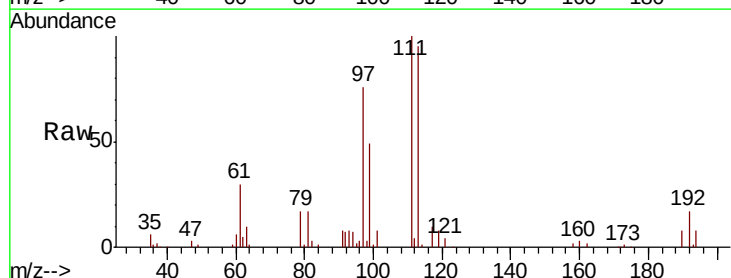
Tgt Ion: 97 Resp: 29497

Ion Ratio Lower Upper

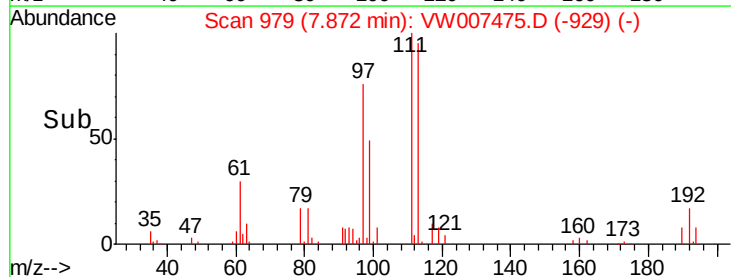
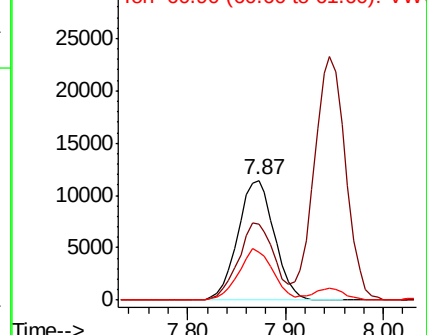
97 100

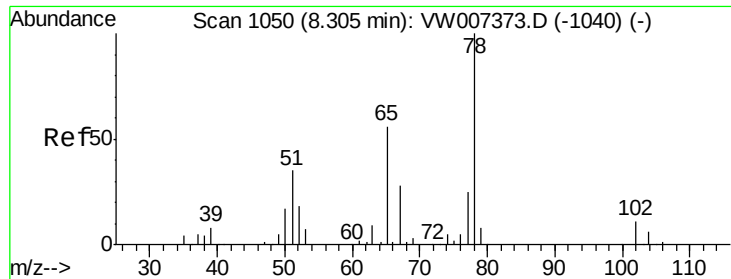
99 62.8 51.1 76.7

61 40.8 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

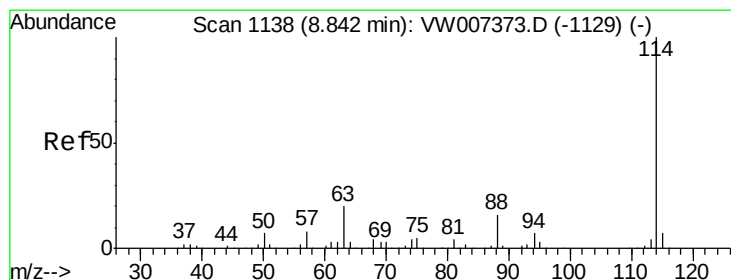
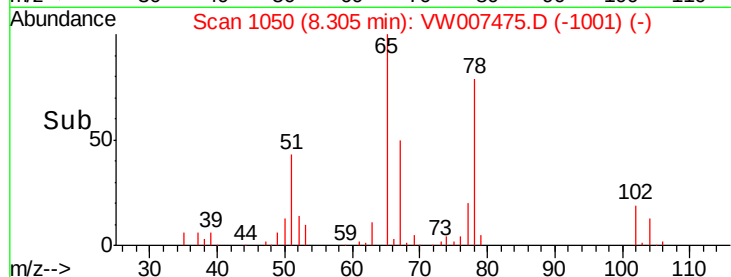
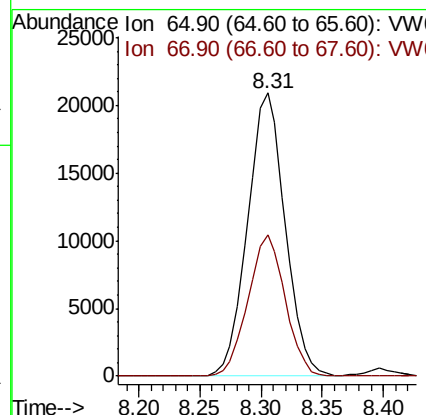
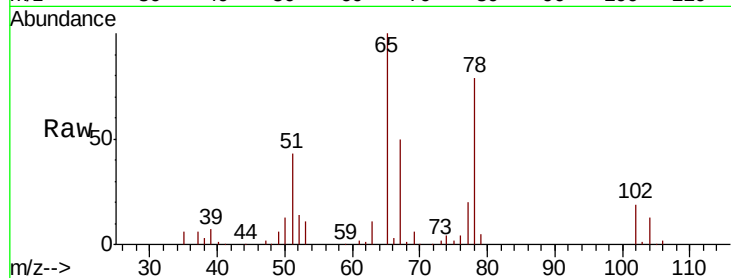




#33
 1,2-Dichloroethane-d4
 Concen: 48.153 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

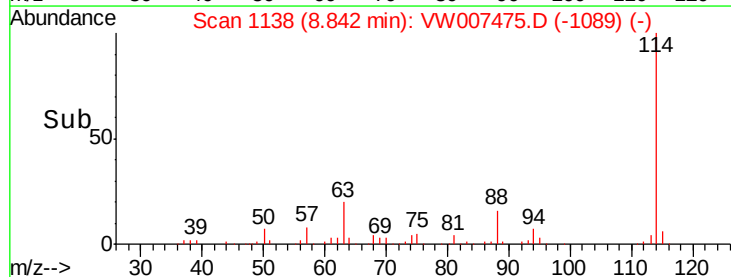
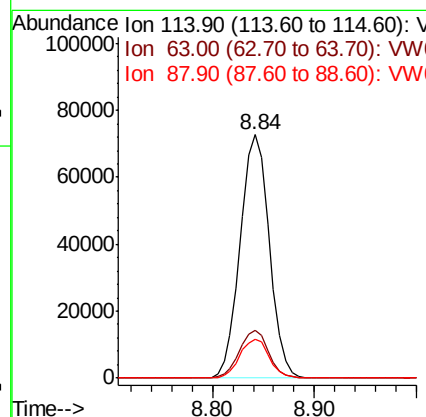
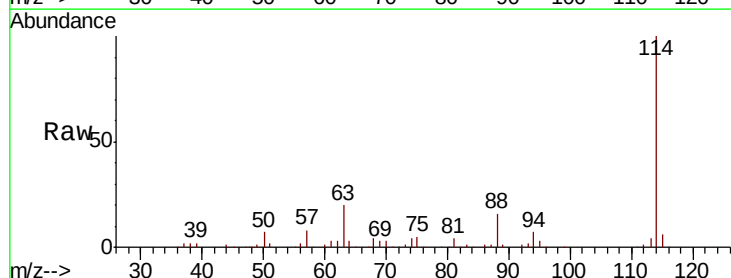
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS01

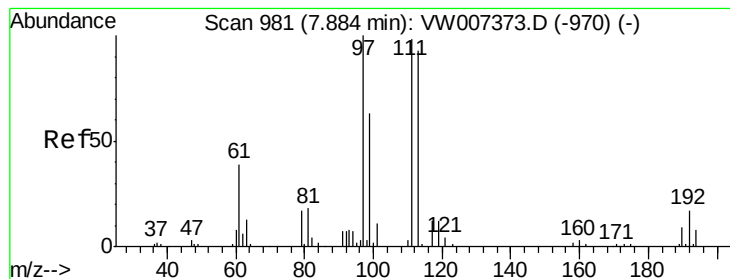
Tot Ion: 65 Resp: 44645
 Ion Ratio Lower Upper
 65 100
 67 49.4 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

Tgt Ion: 114 Resp: 143581
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.6
 88 16.2 0.0 31.4





#35

Dibromofluoromethane

Concen: 47.673 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS01

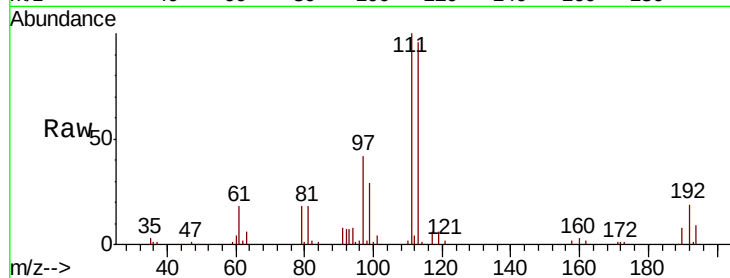
Tot Ion:113 Resp: 41435

Ion Ratio Lower Upper

113 100

111 105.0 81.1 121.7

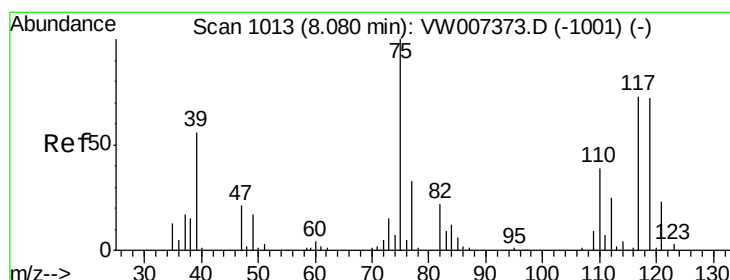
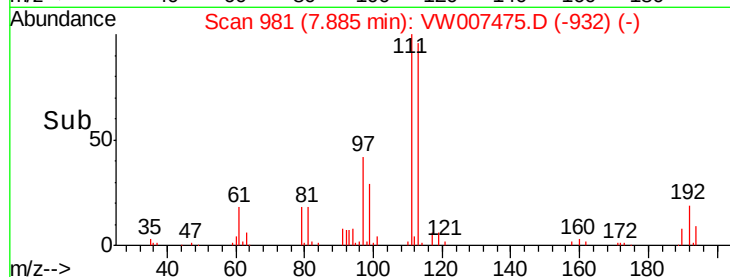
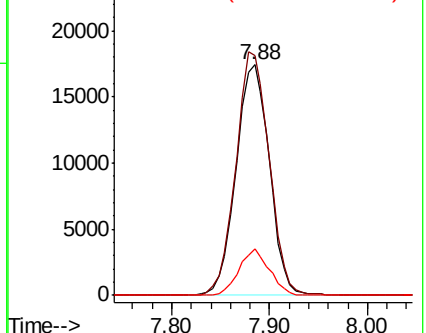
192 18.1 14.6 21.8



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: 19.340 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

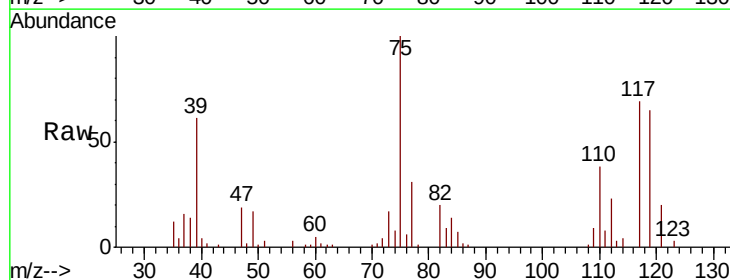
Tgt Ion: 75 Resp: 25332

Ion Ratio Lower Upper

75 100

110 35.5 18.5 55.5

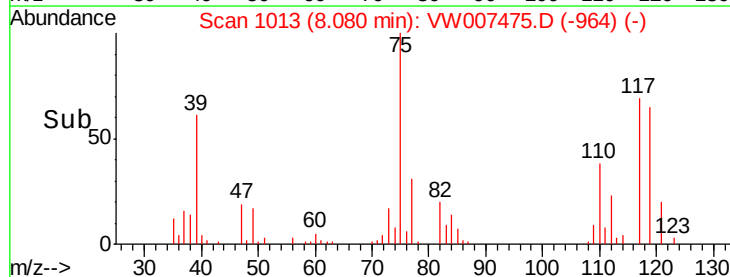
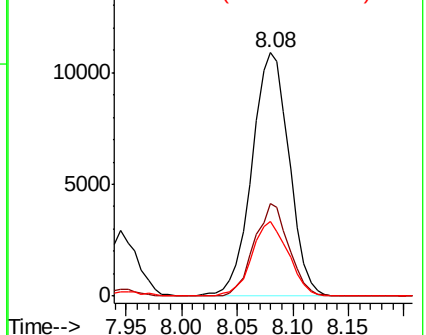
77 30.0 25.6 38.4

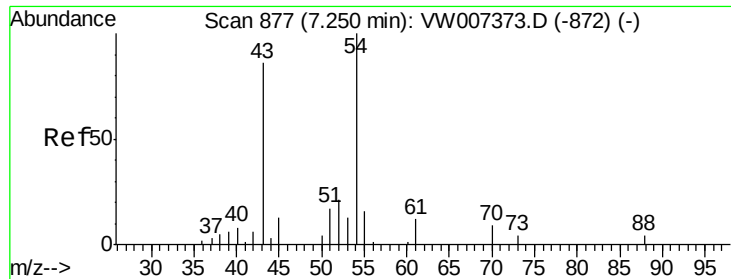


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

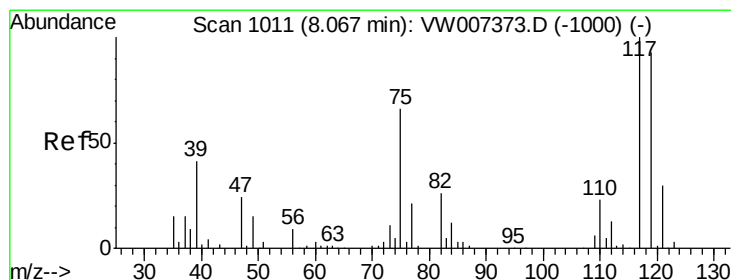
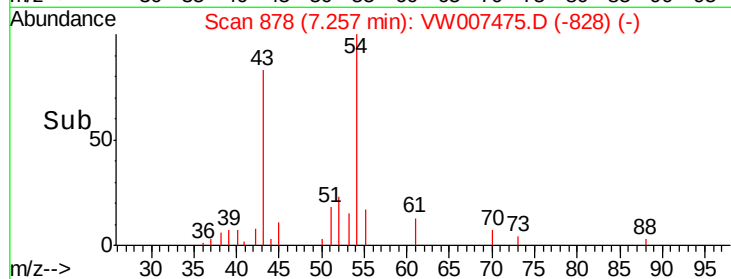
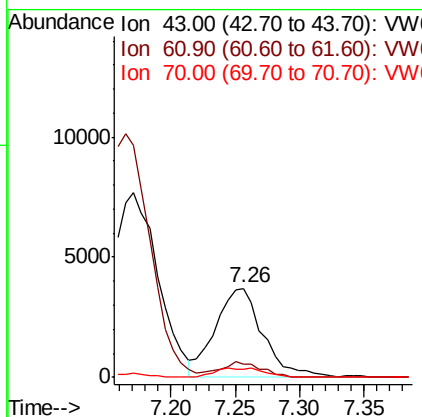
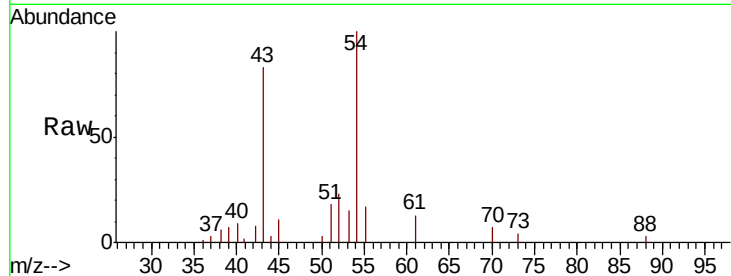




#37
Ethyl Acetate
Concen: 19.642 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

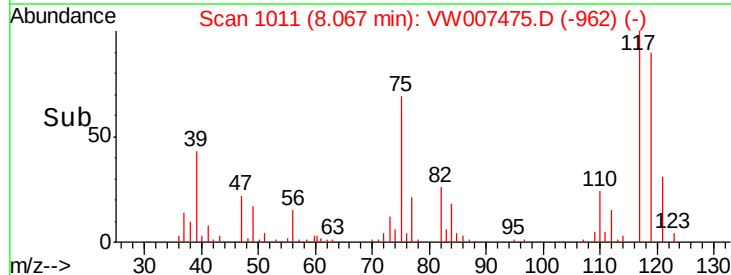
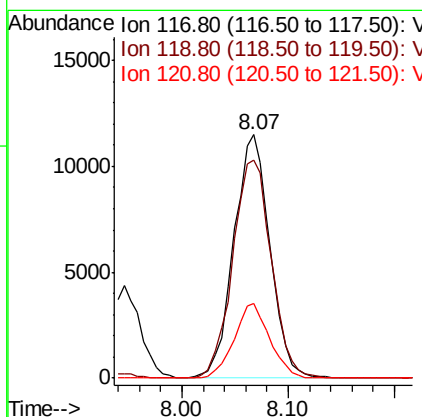
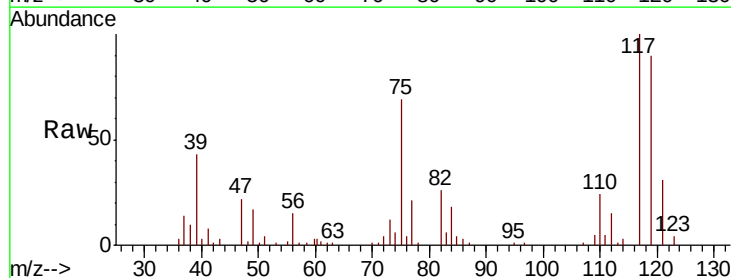
Instrument :
MSVOA_W
ClientSampled :
VW1216SBS01

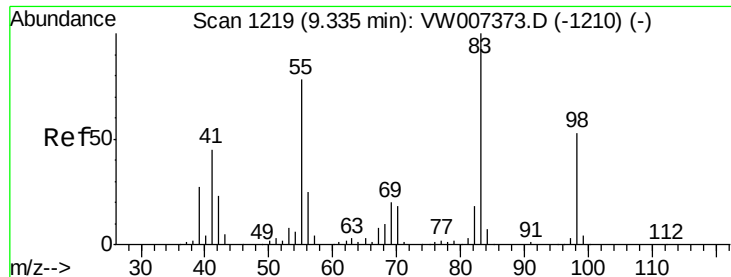
Tot Ion: 43 Resp: 9569
Ion Ratio Lower Upper
43 100
61 14.3 12.1 18.1
70 10.6 10.0 15.0



#38
Carbon Tetrachloride
Concen: 19.217 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Tgt Ion: 117 Resp: 27387
Ion Ratio Lower Upper
117 100
119 89.6 74.3 111.5
121 30.9 24.3 36.5

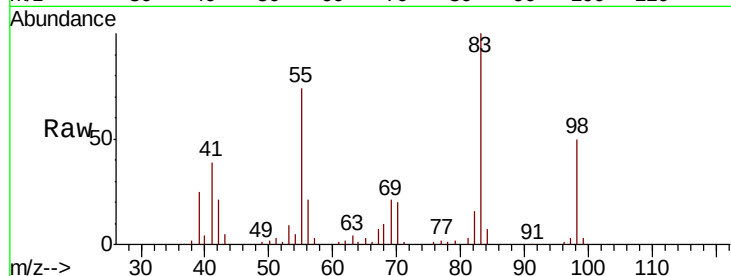




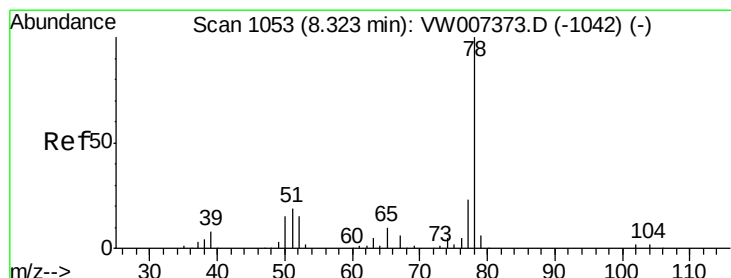
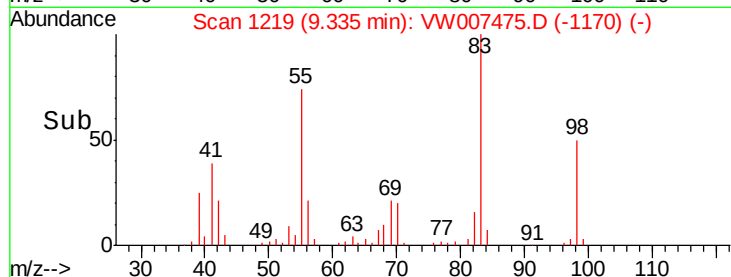
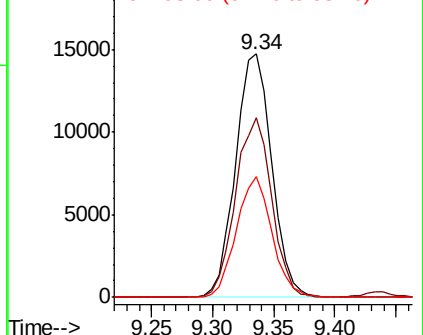
#39
Methylvlcyclohexane
Concen: 19.087 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS01

Tot Ion: 83 Resp: 30273
Ion Ratio Lower Upper
83 100
55 73.6 62.8 94.2
98 49.7 42.2 63.2

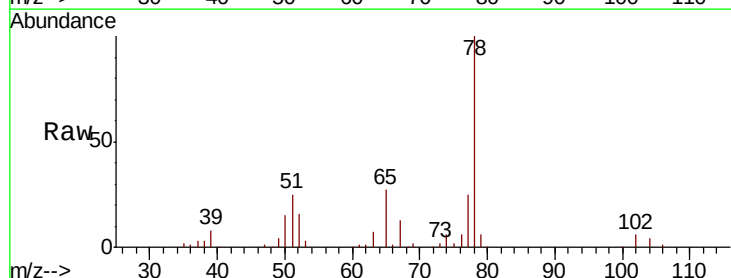


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

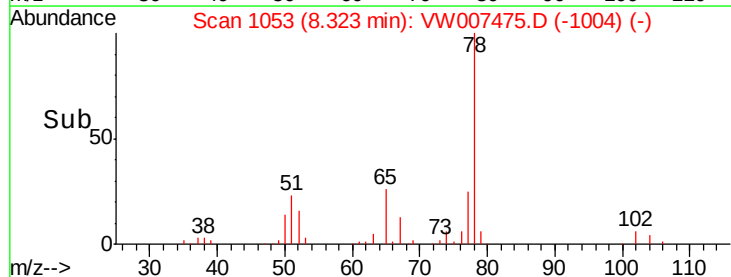
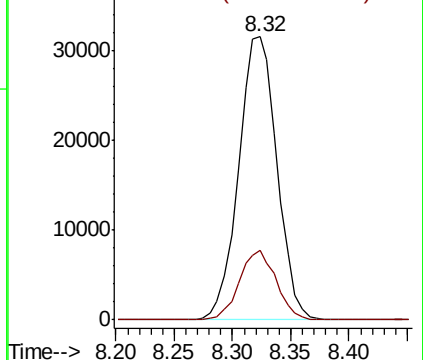


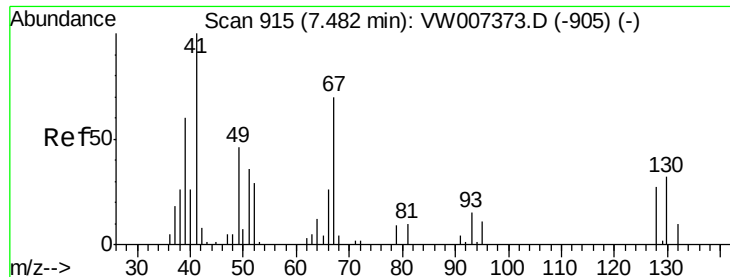
#40
Benzene
Concen: 19.834 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Tgt Ion: 78 Resp: 72095
Ion Ratio Lower Upper
78 100
77 24.6 18.8 28.2



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

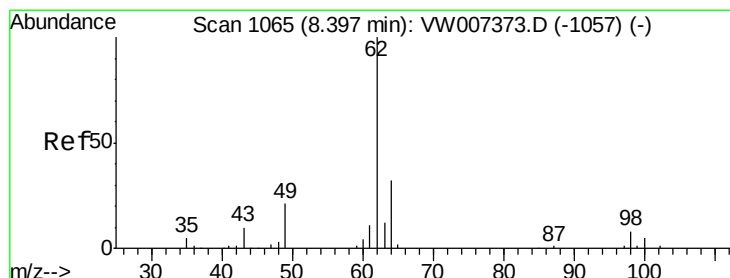
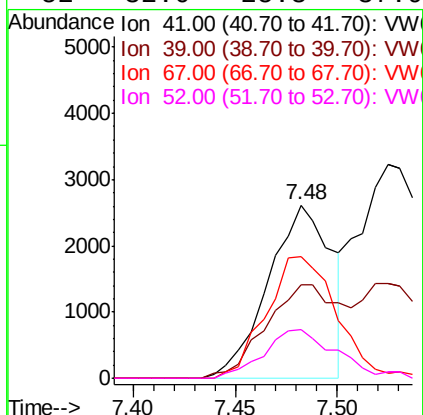
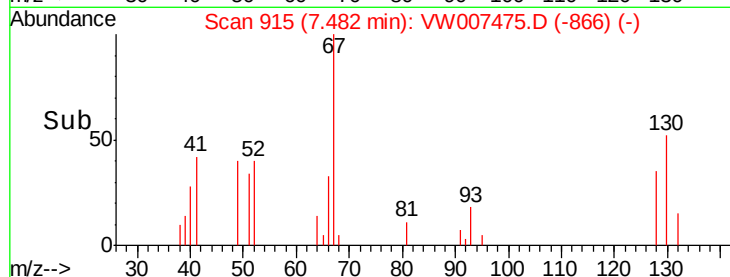
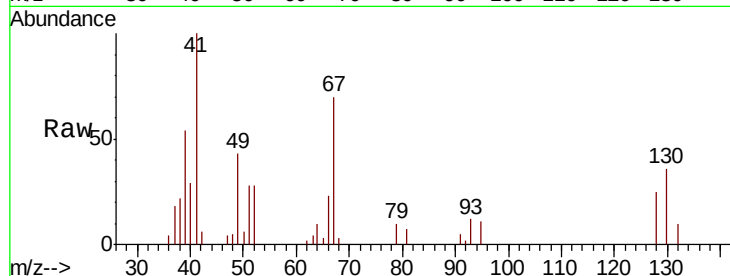




#41
Methacrylonitrile
Concen: 20.431 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

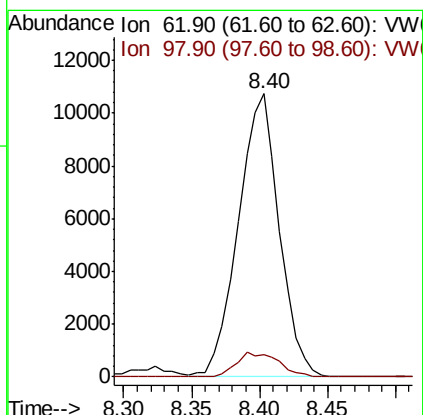
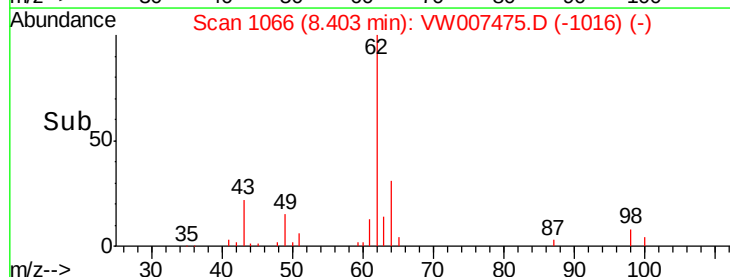
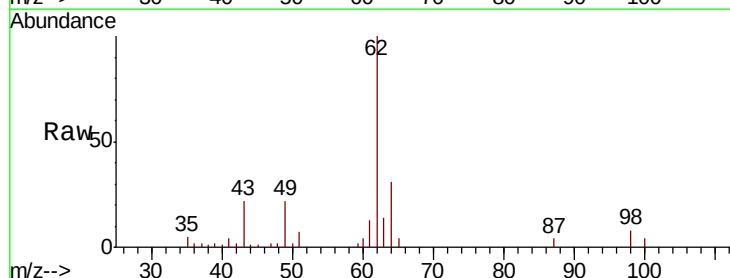
Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS01

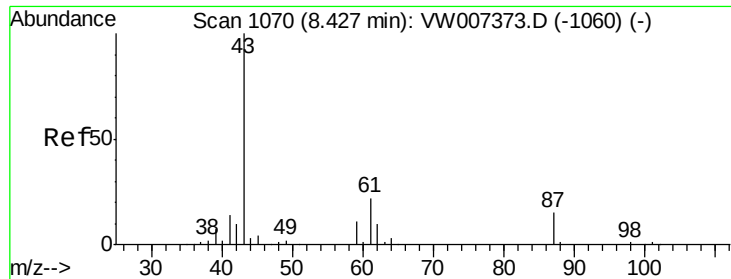
Tot Ion: 41 Resp: 5668
Ion Ratio Lower Upper
41 100
39 64.9 52.2 78.2
67 77.7 60.5 90.7
52 32.0 25.3 37.9



#42
1,2-Dichloroethane
Concen: 19.688 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Tgt Ion: 62 Resp: 22480
Ion Ratio Lower Upper
62 100
98 9.0 0.0 17.6





#43

Isopropyl Acetate

Concen: 19.857 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS01

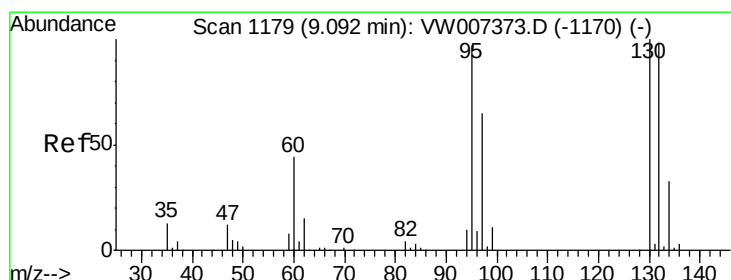
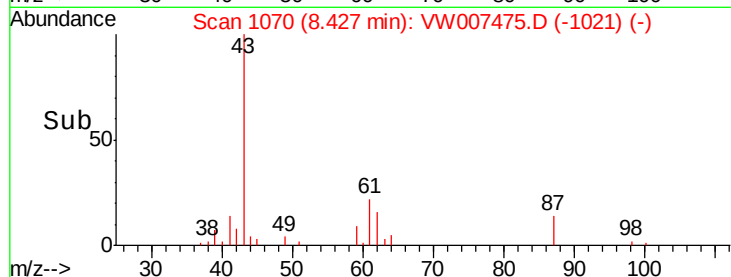
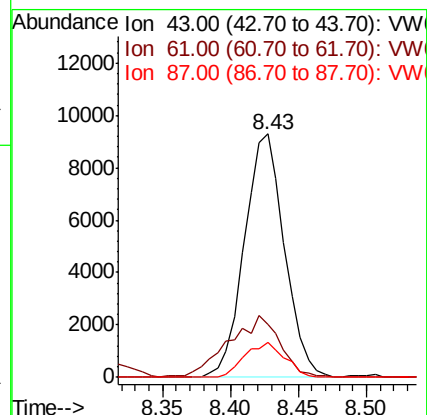
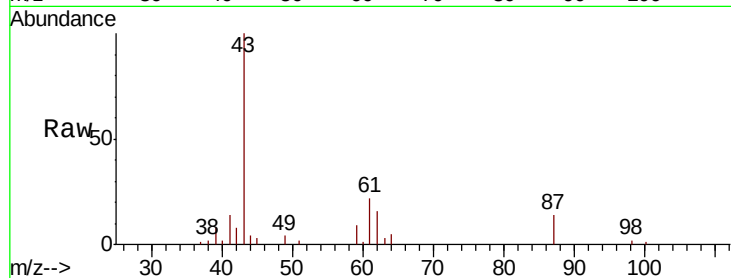
Tot Ion: 43 Resp: 19108

Ion Ratio Lower Upper

43 100

61 32.5 25.3 37.9

87 14.3 11.8 17.8



#44

Trichloroethene

Concen: 19.824 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW007475.D

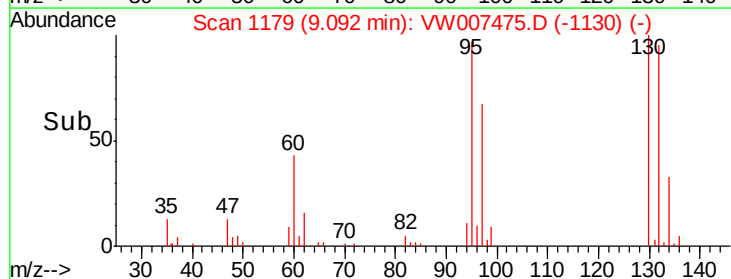
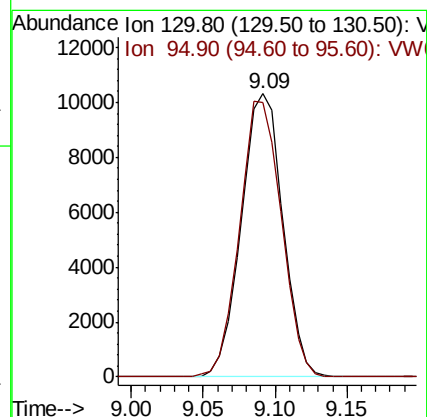
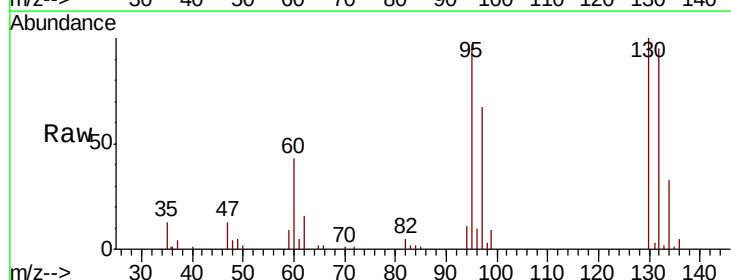
Acq: 13 Dec 2018 09:34

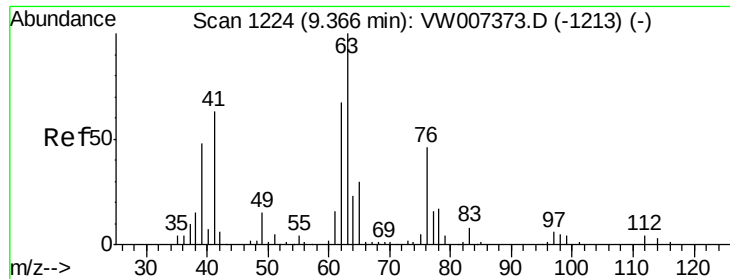
Tgt Ion: 130 Resp: 20577

Ion Ratio Lower Upper

130 100

95 96.8 0.0 193.2

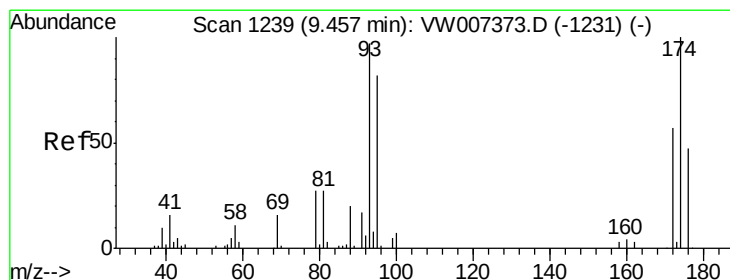
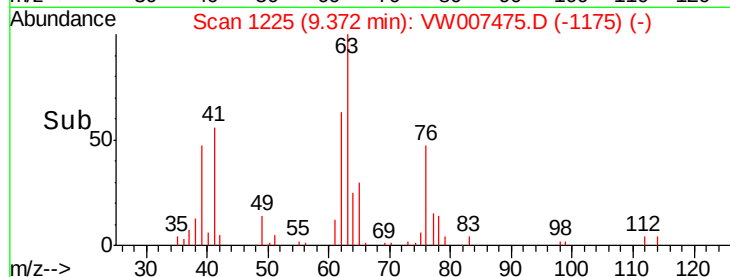
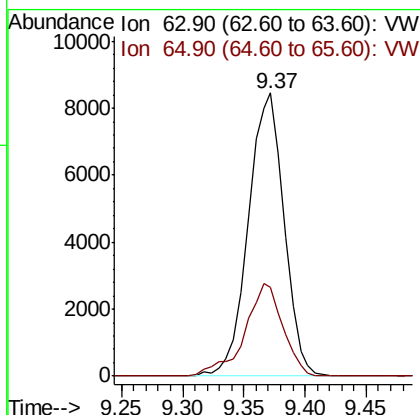
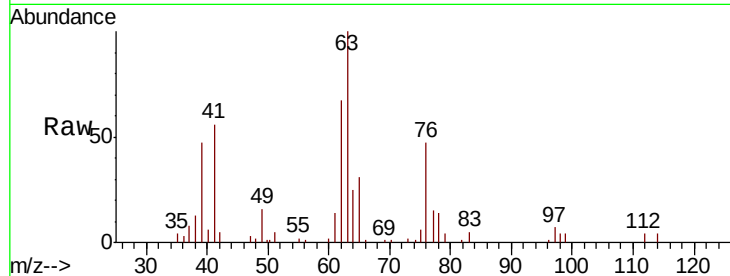




#45
 1,2-Dichloropropane
 Concen: 20.367 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

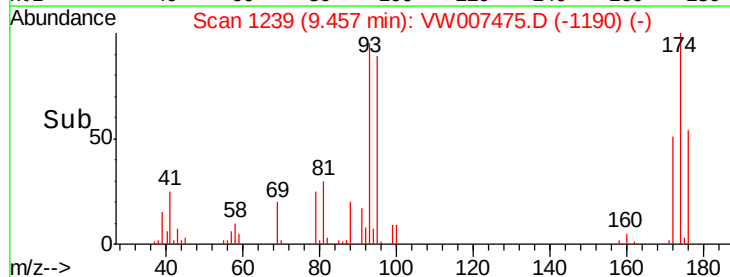
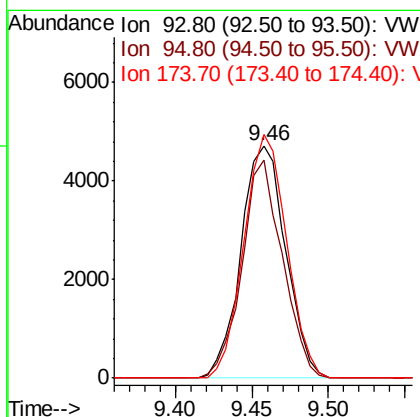
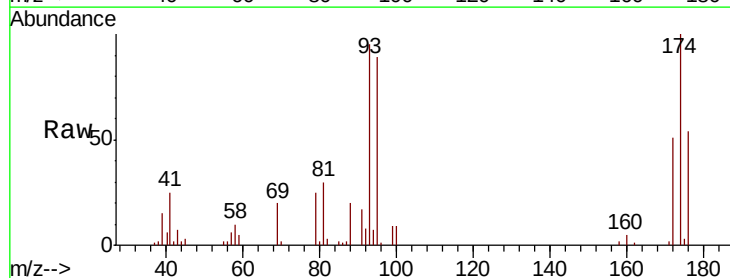
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS01

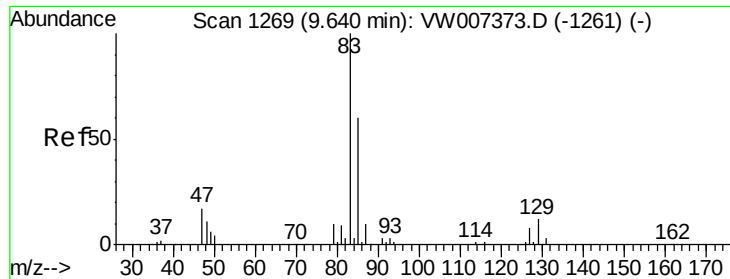
Tot Ion: 63 Resp: 17132
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.4 36.6



#46
 Dibromomethane
 Concen: 20.103 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

Tgt Ion: 93 Resp: 9603
 Ion Ratio Lower Upper
 93 100
 95 84.5 68.0 102.0
 174 100.0 83.2 124.8





#47

Bromodichloromethane

Concen: 20.330 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS01

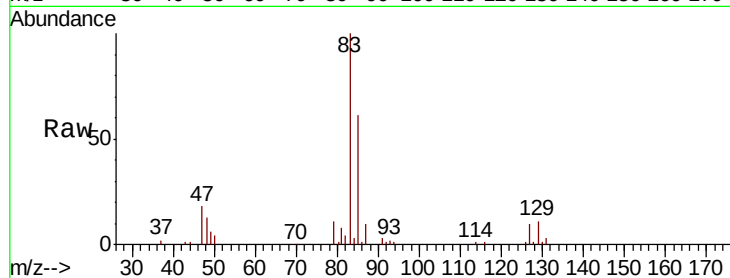
Tot Ion: 83 Resp: 25473

Ion Ratio Lower Upper

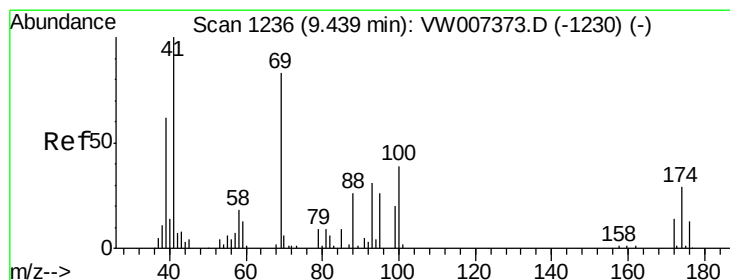
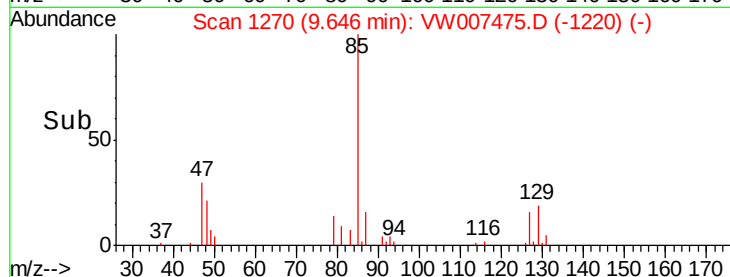
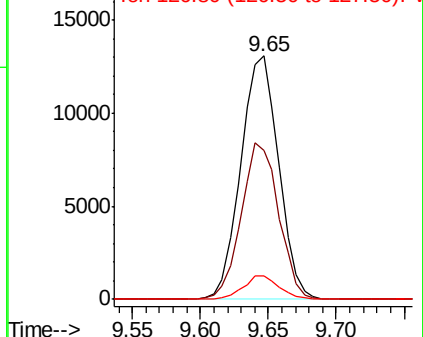
83 100

85 61.0 47.6 71.4

127 9.6 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: 19.034 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

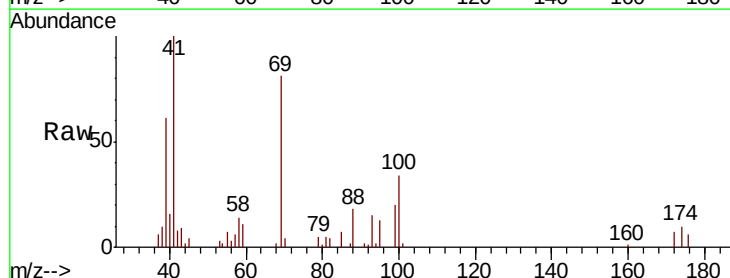
Tgt Ion: 41 Resp: 9407

Ion Ratio Lower Upper

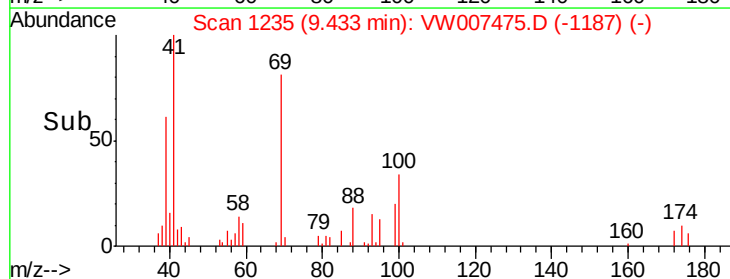
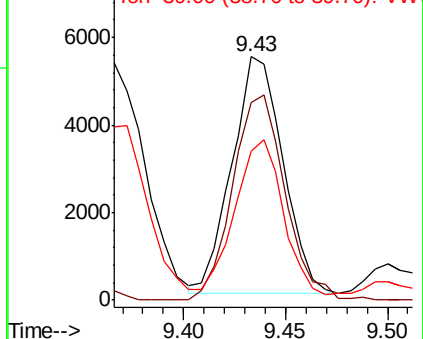
41 100

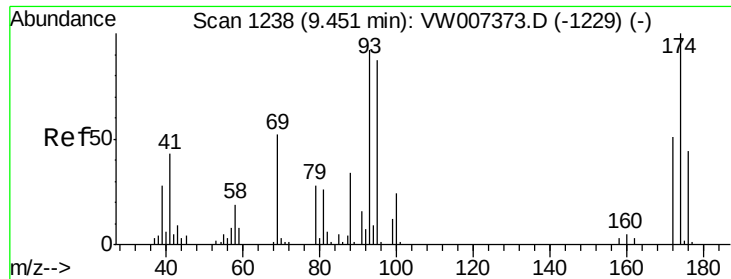
69 89.2 69.8 104.8

39 68.0 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

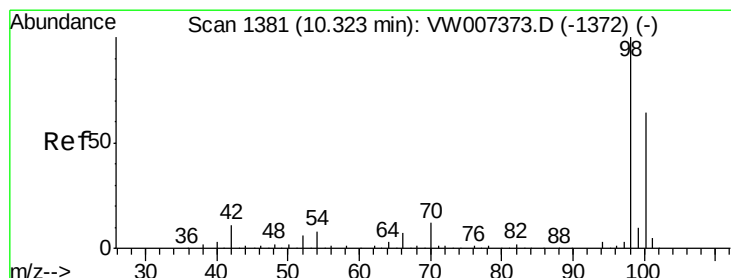
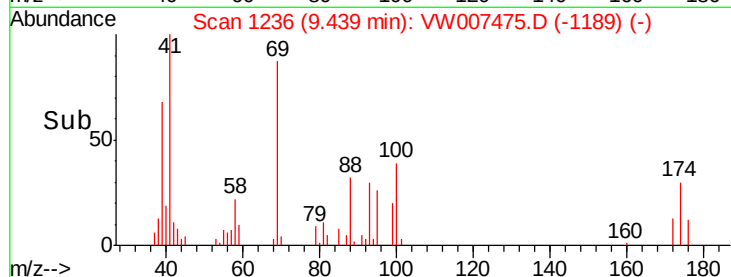
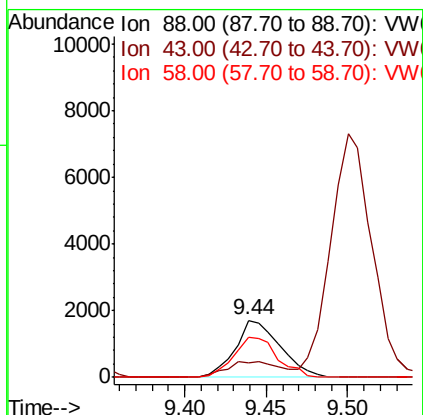
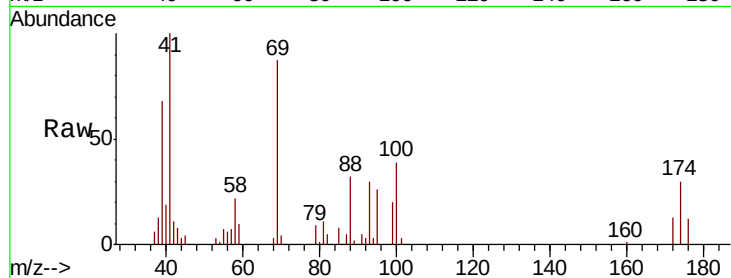




#49
 1,4-Dioxane
 Concen: 420.089 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. -0.01 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

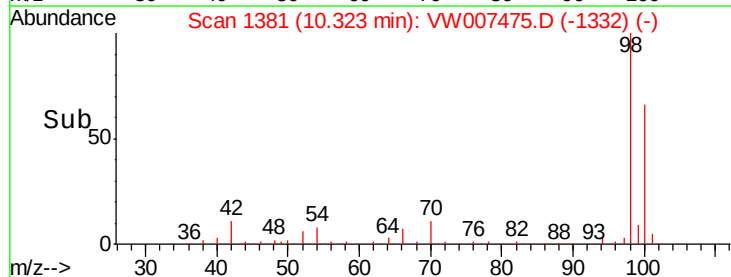
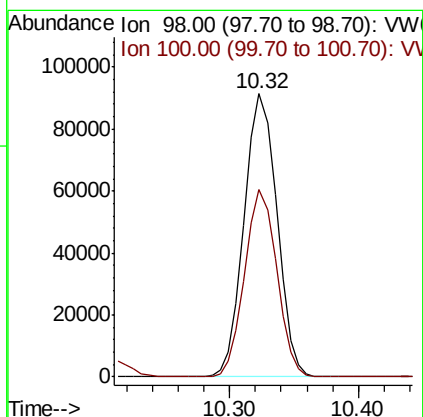
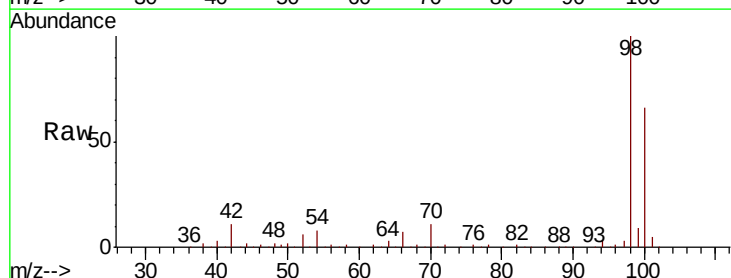
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS01

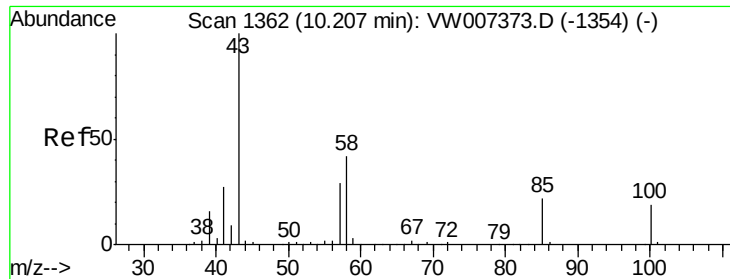
Tot Ion: 88 Resp: 3256
 Ion Ratio Lower Upper
 88 100
 43 34.9 25.0 37.4
 58 68.3 51.4 77.2



#50
 Toluene-d8
 Concen: 49.556 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

Tgt Ion: 98 Resp: 161495
 Ion Ratio Lower Upper
 98 100
 100 64.6 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 98.876 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

Instrument :

MSVOA_W

ClientSampleId :

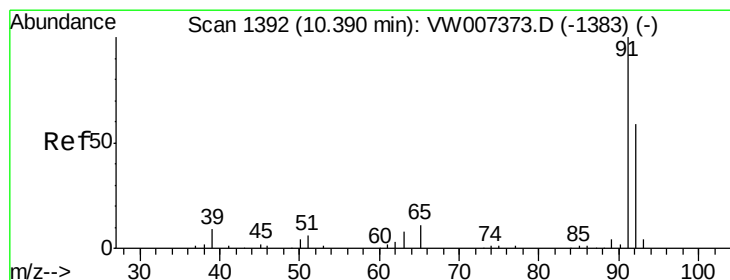
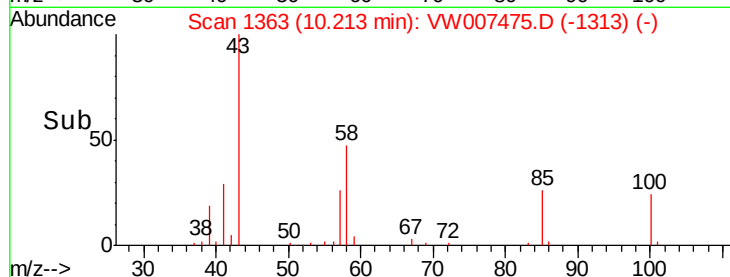
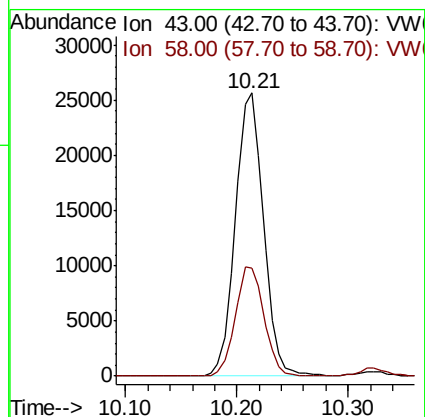
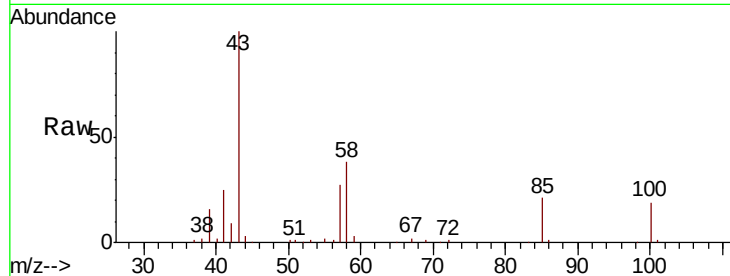
VW1216SBS01

Tot Ion: 43 Resp: 44957

Ion Ratio Lower Upper

43 100

58 39.2 33.1 49.7



#52

Toluene

Concen: 20.451 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007475.D

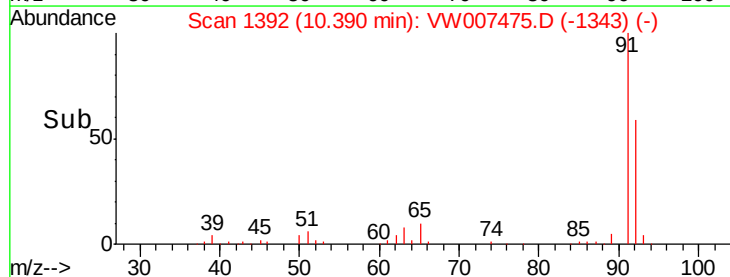
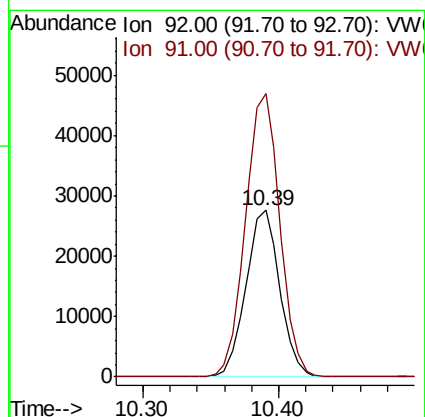
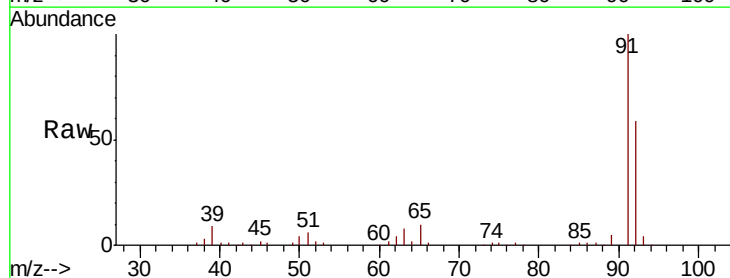
Acq: 13 Dec 2018 09:34

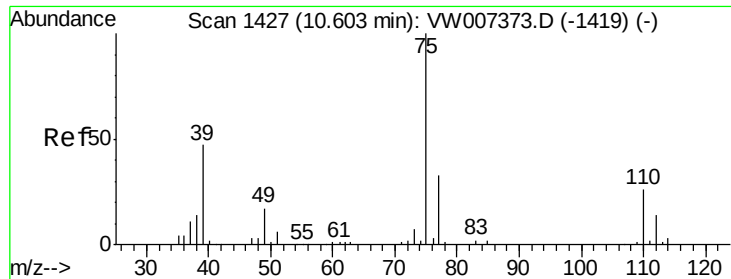
Tgt Ion: 92 Resp: 48107

Ion Ratio Lower Upper

92 100

91 172.2 136.2 204.2





#53

t-1,3-Dichloropropene

Concen: 19.916 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

Instrument :

MSVOA_W

ClientSampleId :

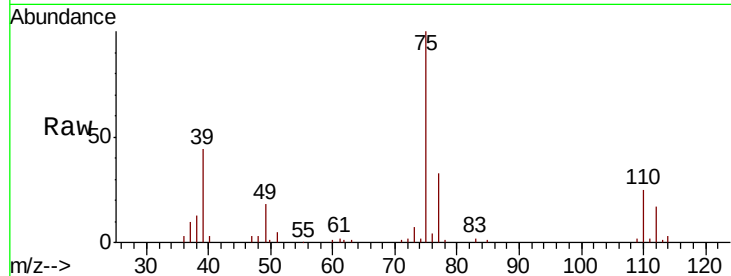
VW1216SBS01

Tot Ion: 75 Resp: 24226

Ion Ratio Lower Upper

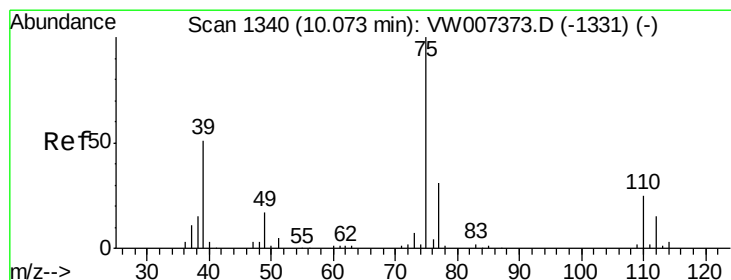
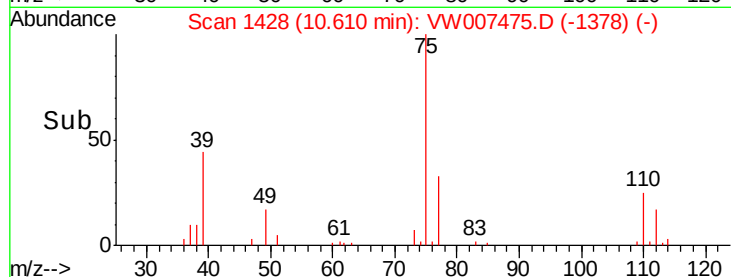
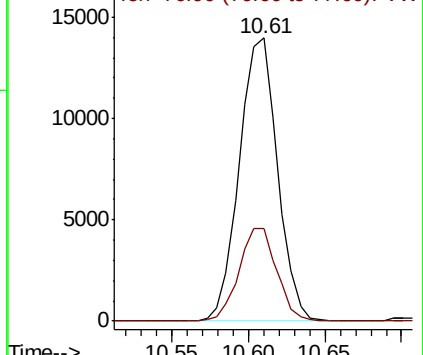
75 100

77 32.9 26.2 39.4



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 19.663 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

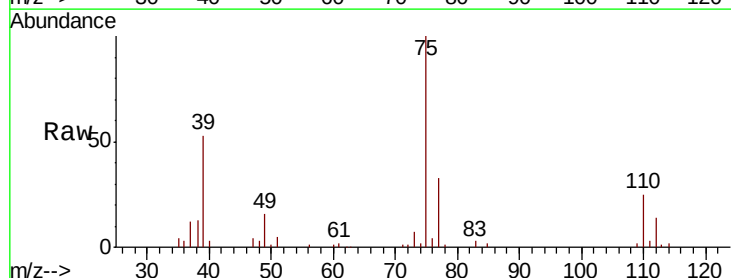
Tgt Ion: 75 Resp: 27650

Ion Ratio Lower Upper

75 100

77 33.4 24.8 37.2

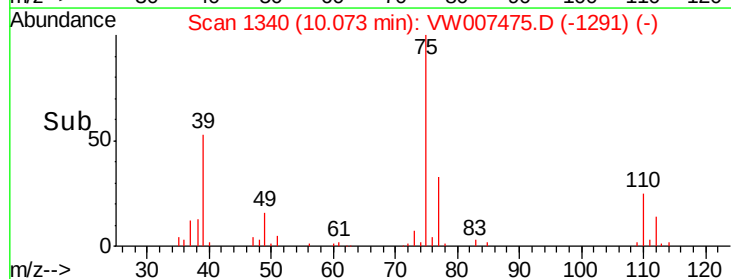
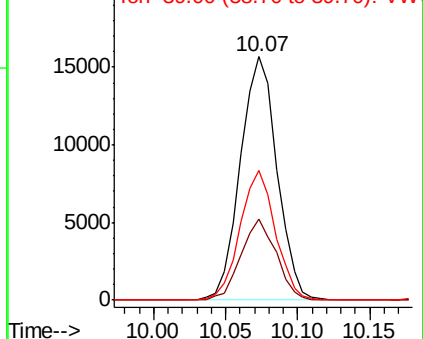
39 53.4 40.9 61.3

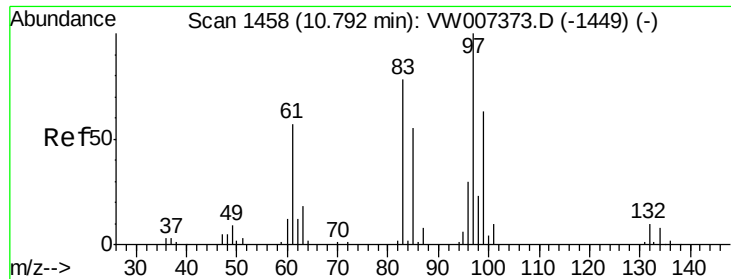


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

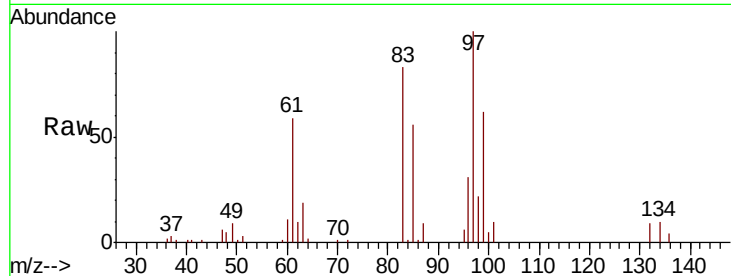




#55
 1,1,2-Trichloroethane
 Concen: 20.545 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS01

Tot Ion:	97	Resp:	13357
Ion	Ratio	Lower	Upper
97	100		
83	83.4	62.1	93.1
85	56.3	44.2	66.4
99	61.6	50.2	75.4



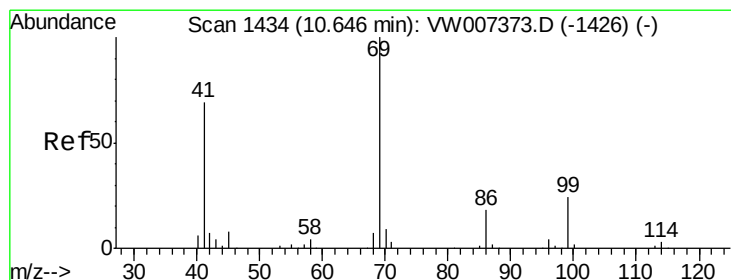
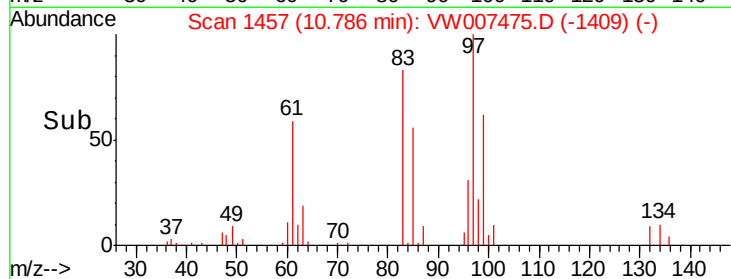
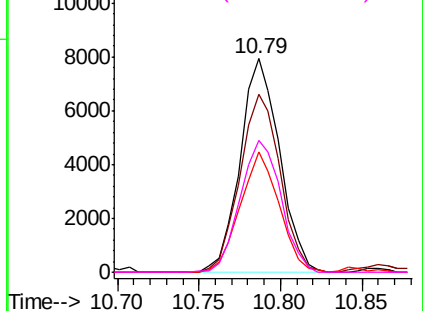
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

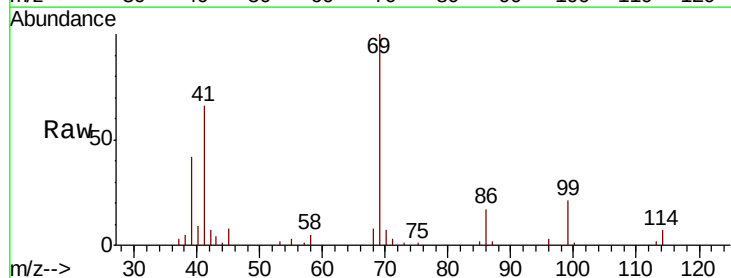
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 20.291 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

Tgt Ion:	69	Resp:	15856
Ion	Ratio	Lower	Upper
69	100		
41	64.8	51.0	76.6
39	39.1	30.8	46.2

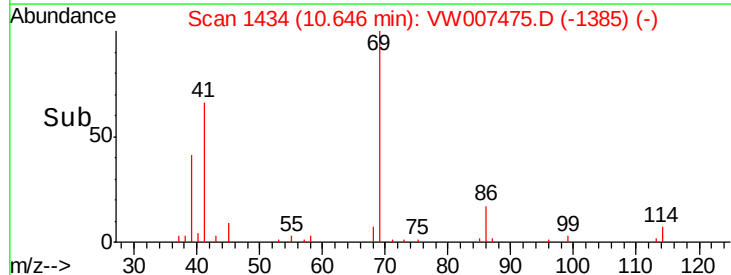
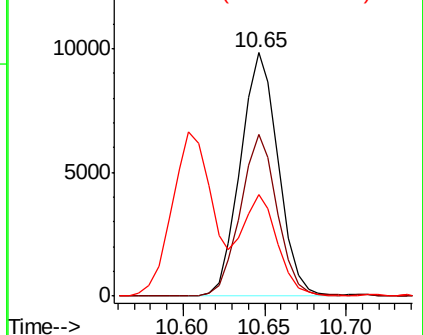


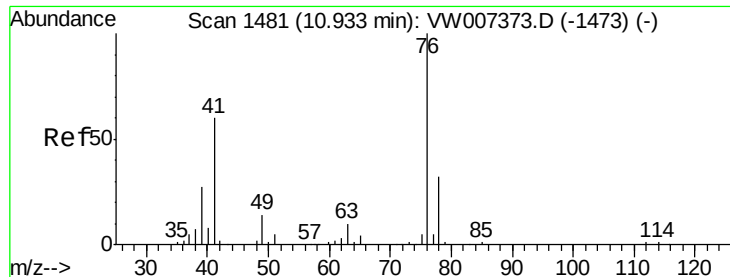
Abundance

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

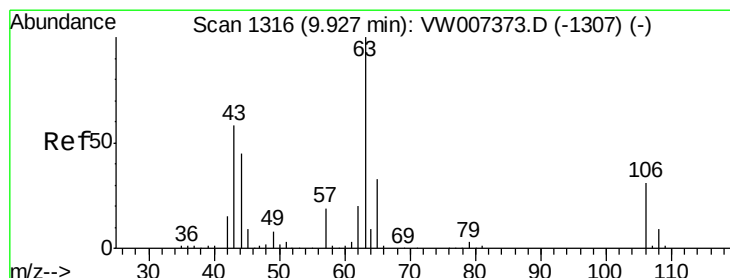
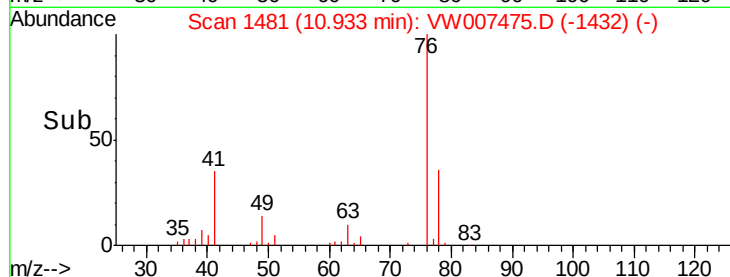
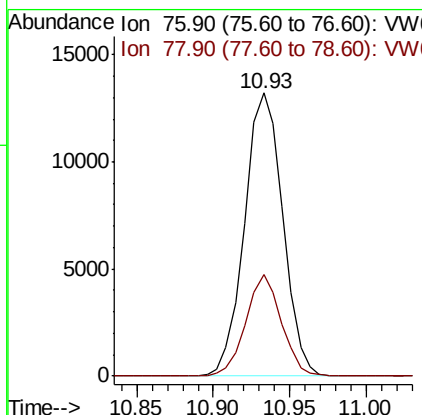
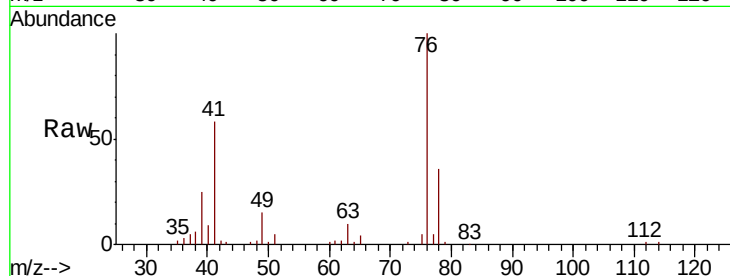




#57
 1,3-Dichloropropane
 Concen: 21.536 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

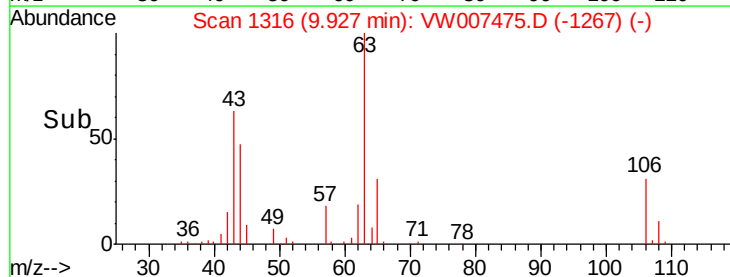
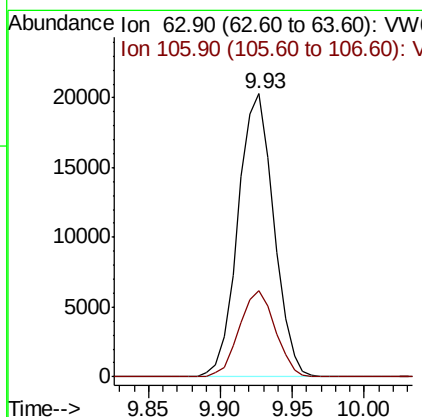
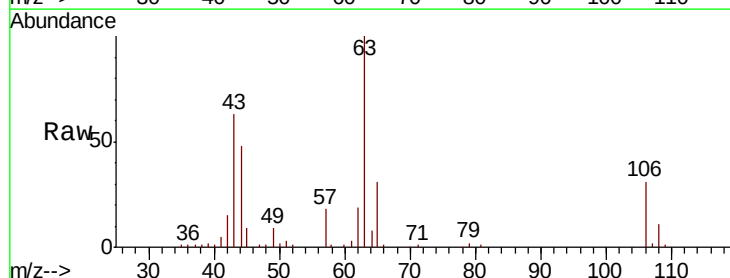
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS01

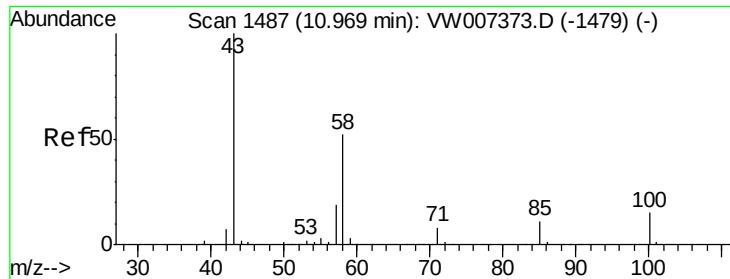
Tot Ion: 76 Resp: 22981
 Ion Ratio Lower Upper
 76 100
 78 33.2 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.130 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

Tgt Ion: 63 Resp: 35001
 Ion Ratio Lower Upper
 63 100
 106 30.5 25.0 37.6

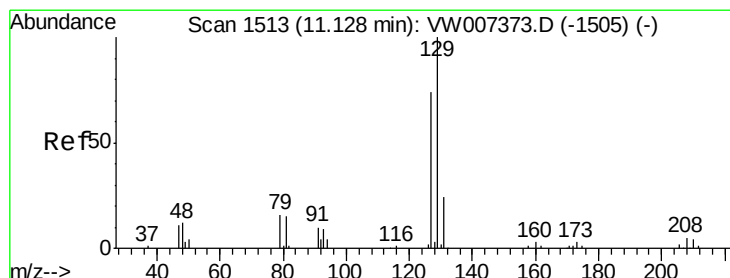
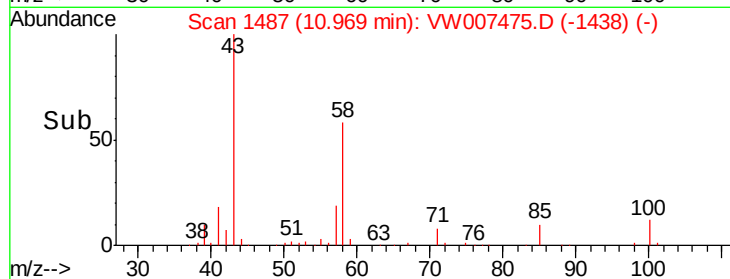
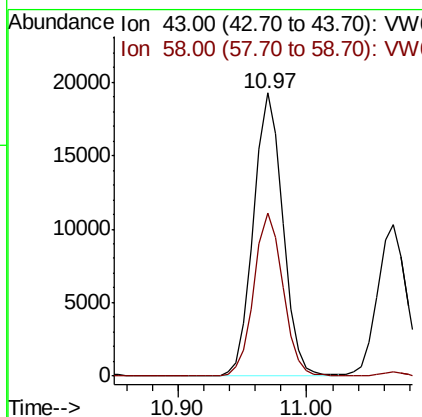
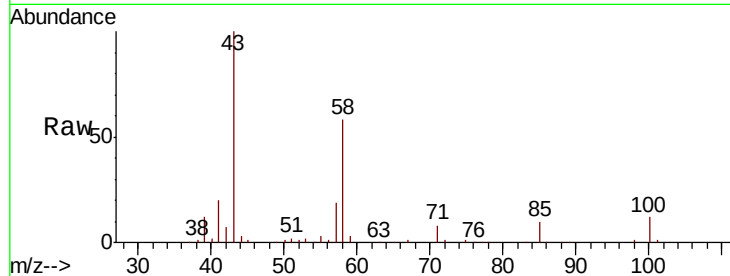




#59
2-Hexanone
Concen: 99.693 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

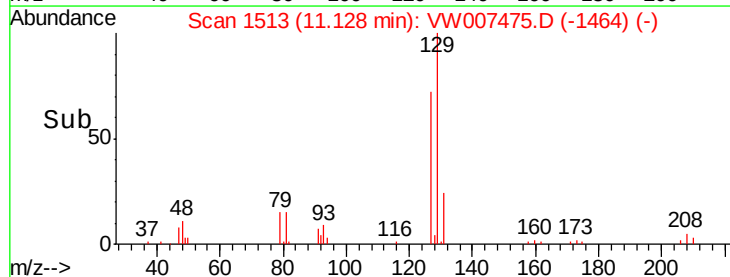
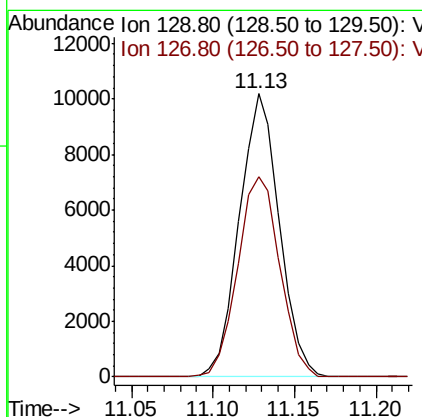
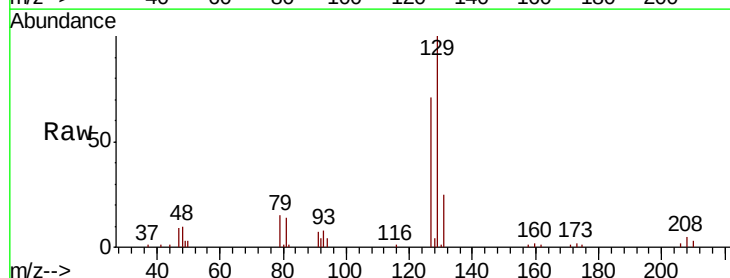
Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS01

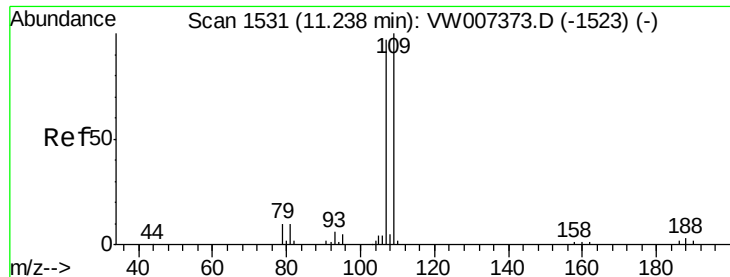
Tot Ion: 43 Resp: 30225
Ion Ratio Lower Upper
43 100
58 57.2 27.1 81.3



#60
Dibromochloromethane
Concen: 21.119 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Tgt Ion: 129 Resp: 17327
Ion Ratio Lower Upper
129 100
127 74.5 38.1 114.3

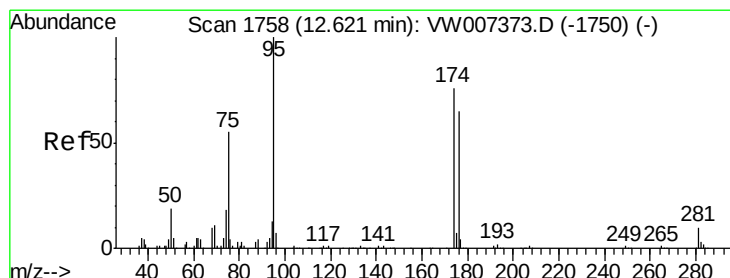
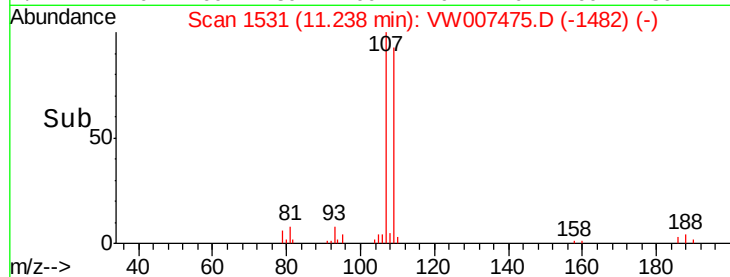
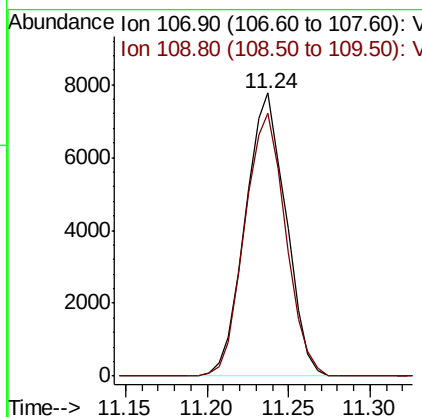
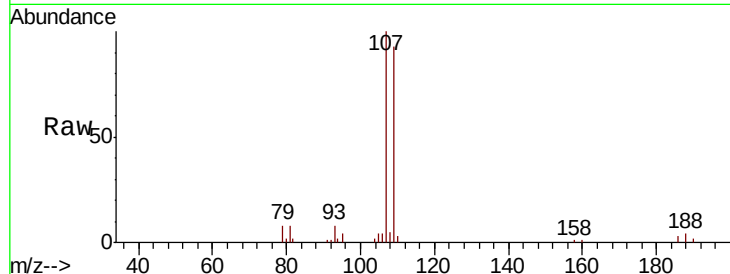




#61
 1,2-Dibromoethane
 Concen: 20.950 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

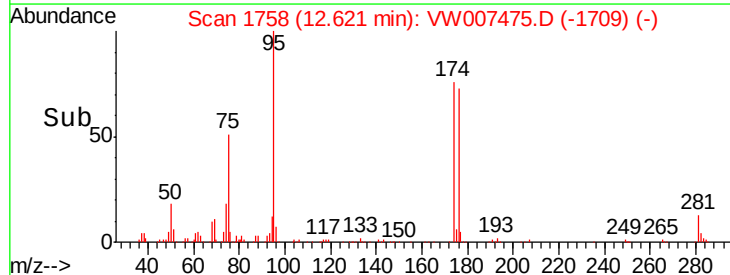
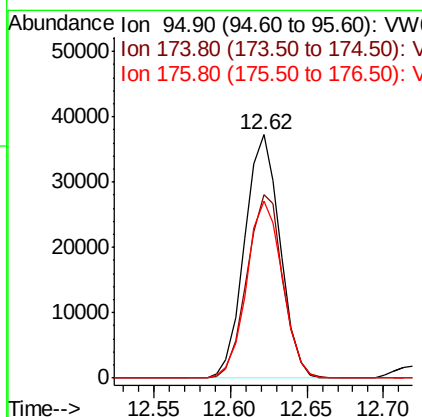
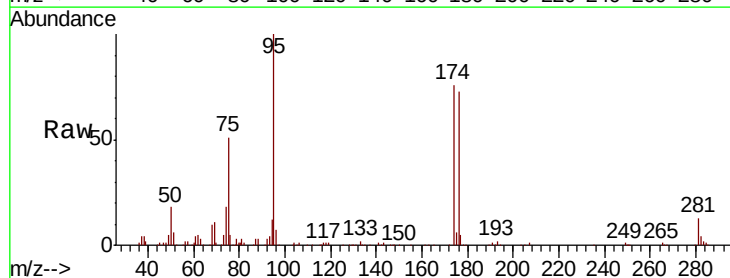
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS01

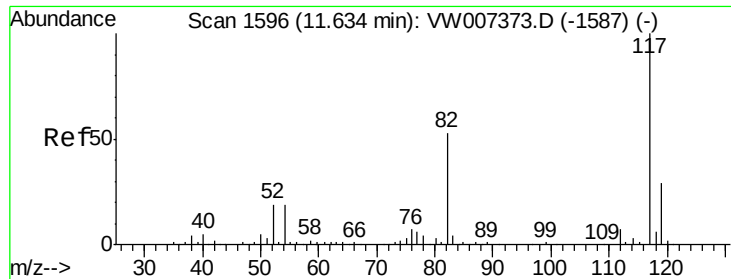
Tot Ion:107 Resp: 13460
 Ion Ratio Lower Upper
 107 100
 109 93.8 79.1 118.7



#62
 4-Bromofluorobenzene
 Concen: 49.981 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

Tgt Ion: 95 Resp: 59887
 Ion Ratio Lower Upper
 95 100
 174 76.4 0.0 147.2
 176 73.4 0.0 138.8

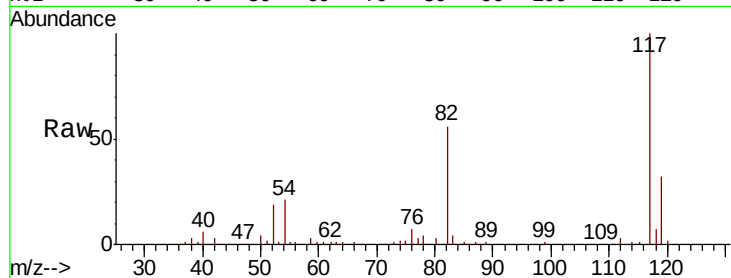




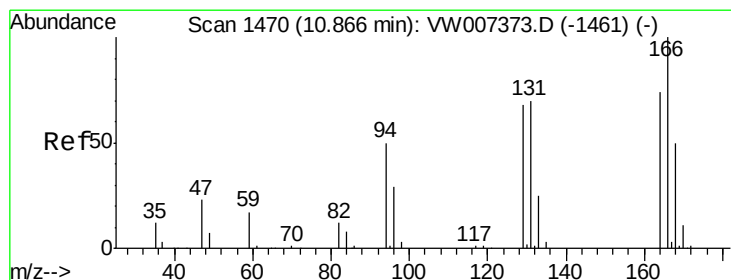
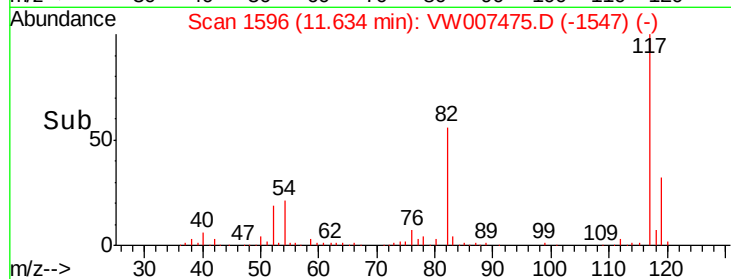
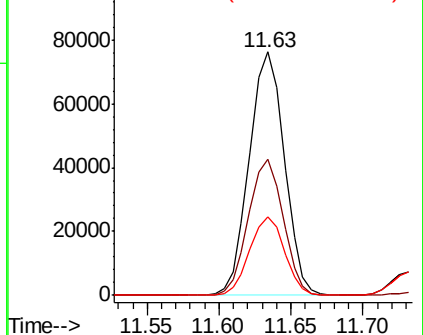
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS01

Tot Ion:117 Resp: 128647
Ion Ratio Lower Upper
117 100
82 55.9 42.3 63.5
119 32.4 23.0 34.6

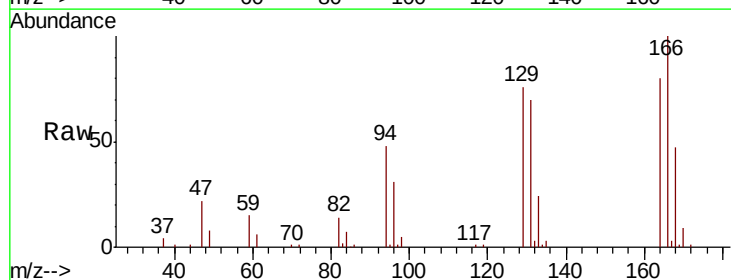


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

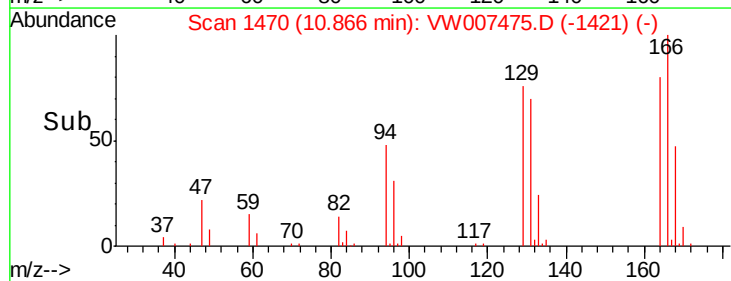
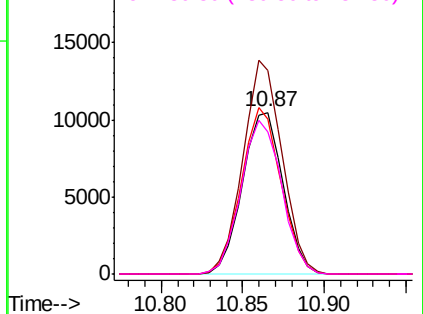


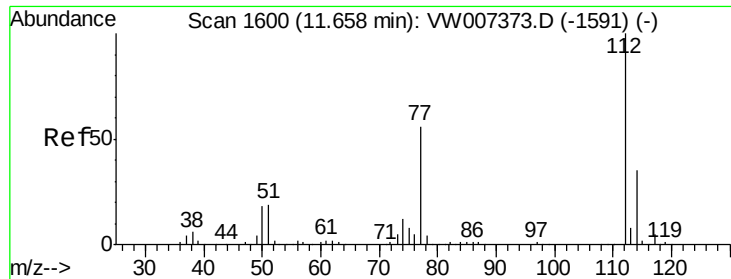
#64
Tetrachloroethene
Concen: 19.654 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Tgt Ion:164 Resp: 18183
Ion Ratio Lower Upper
164 100
166 125.8 107.9 161.9
129 95.9 73.4 110.2
131 87.9 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

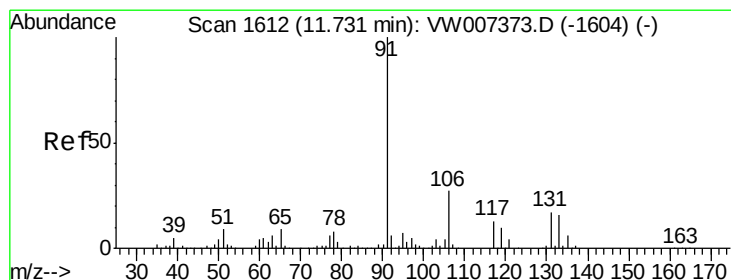
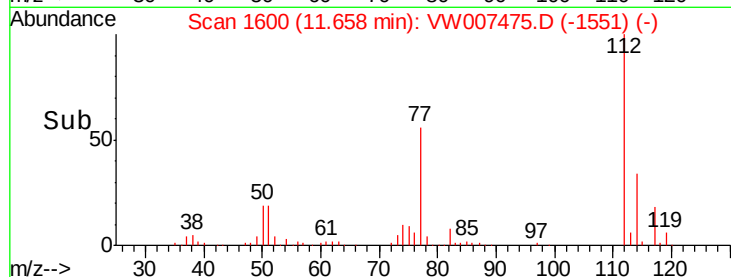
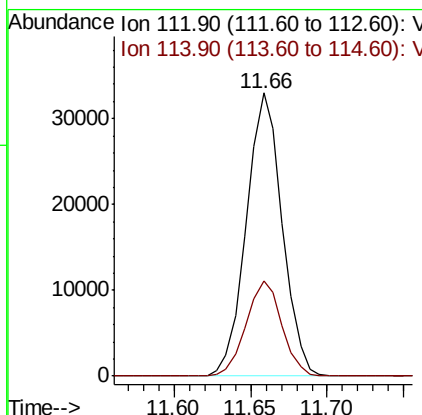
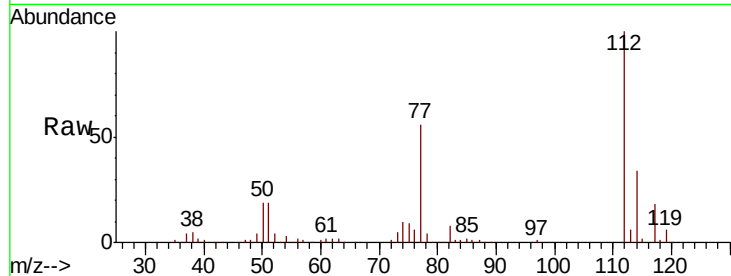




#65
Chlorobenzene
Concen: 20.022 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

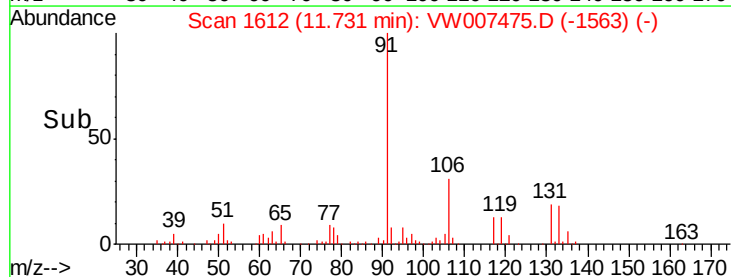
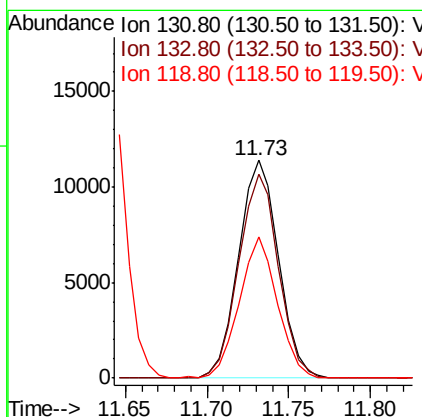
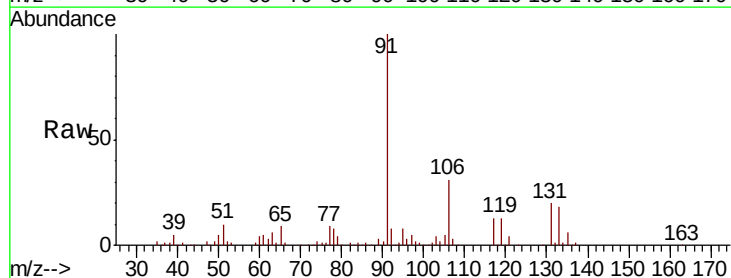
Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS01

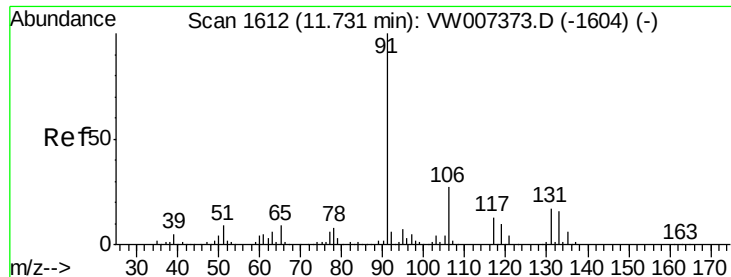
Tot Ion:112 Resp: 53687
Ion Ratio Lower Upper
112 100
114 33.6 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.519 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Tgt Ion:131 Resp: 19378
Ion Ratio Lower Upper
131 100
133 93.2 47.1 141.4
119 62.0 31.3 93.9

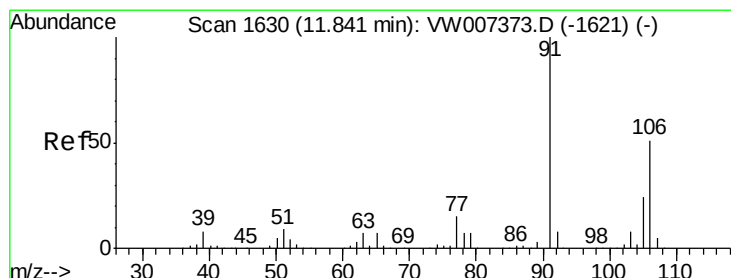
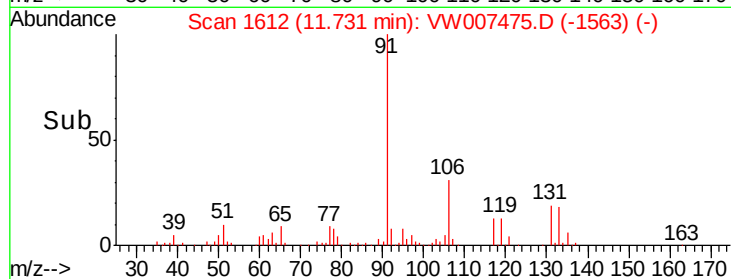
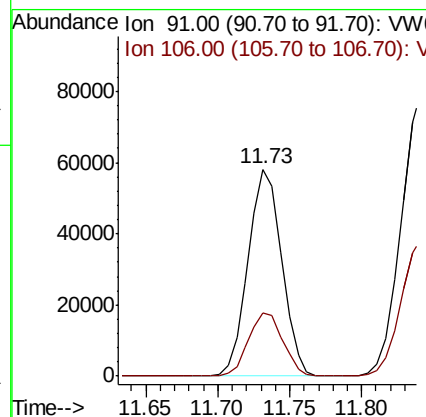
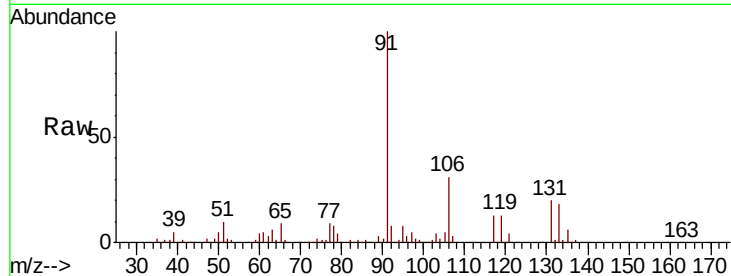




#67
Ethyl Benzene
Concen: 20.360 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

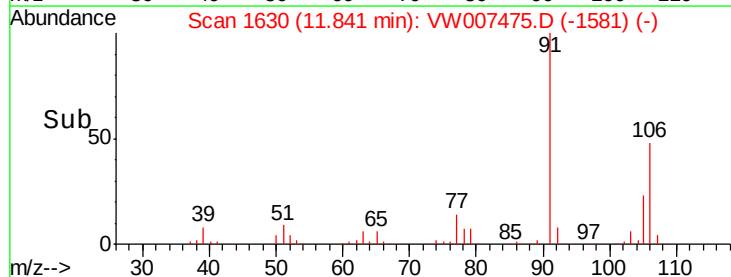
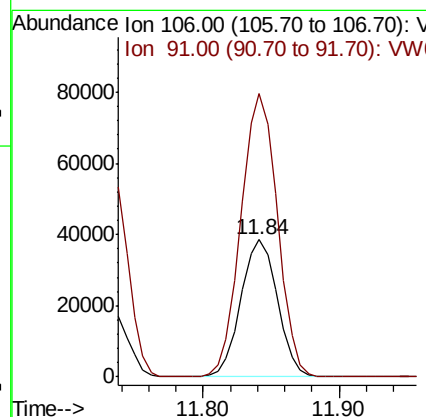
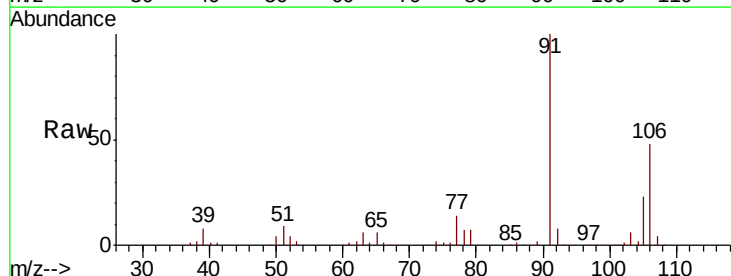
Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS01

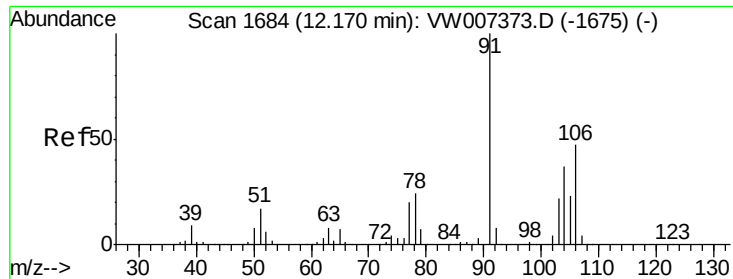
Tot Ion: 91 Resp: 93860
Ion Ratio Lower Upper
91 100
106 30.7 21.8 32.8



#68
m/p-Xylenes
Concen: 40.431 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Tgt Ion: 106 Resp: 72461
Ion Ratio Lower Upper
106 100
91 205.7 165.3 247.9

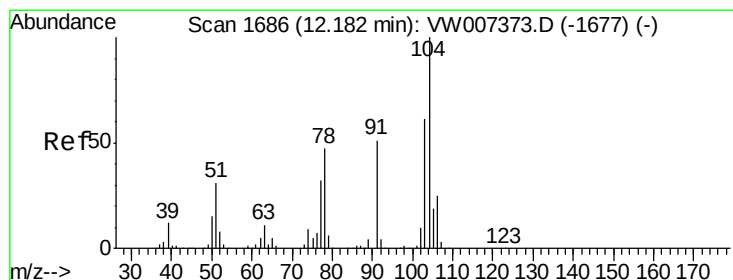
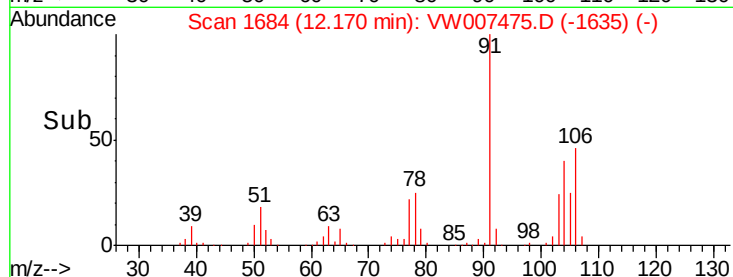
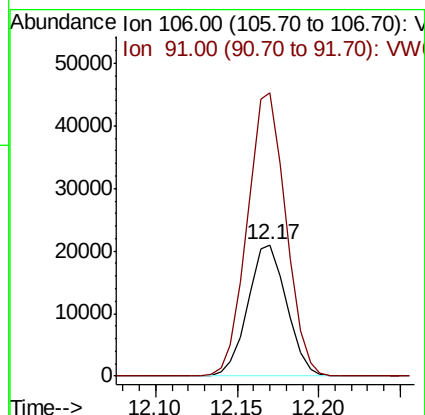
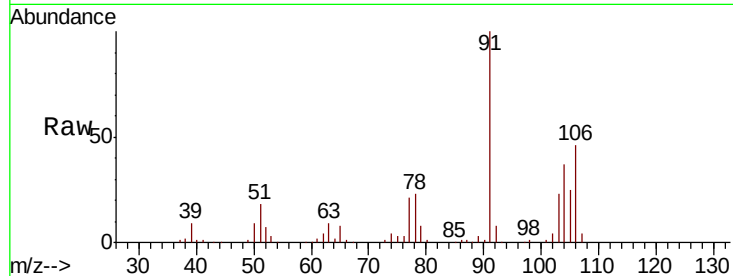




#69
o-Xylene
Concen: 20.703 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

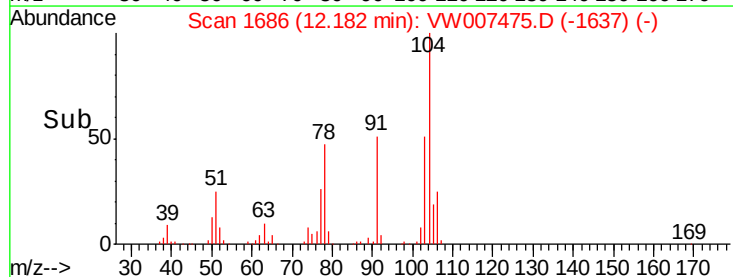
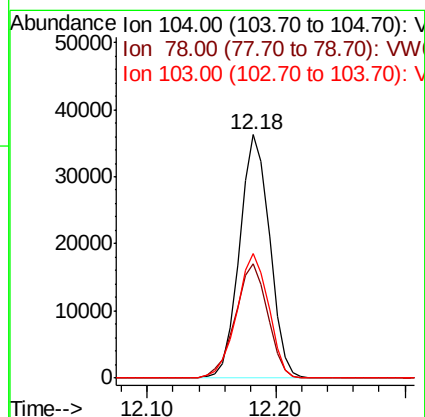
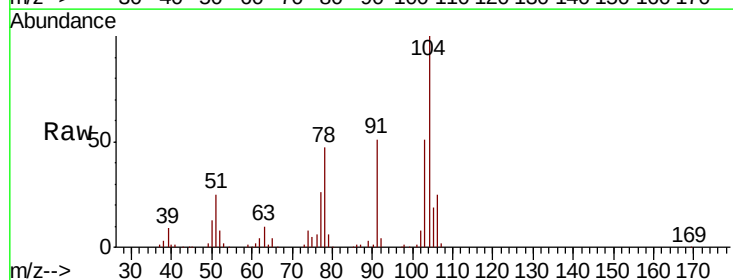
Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS01

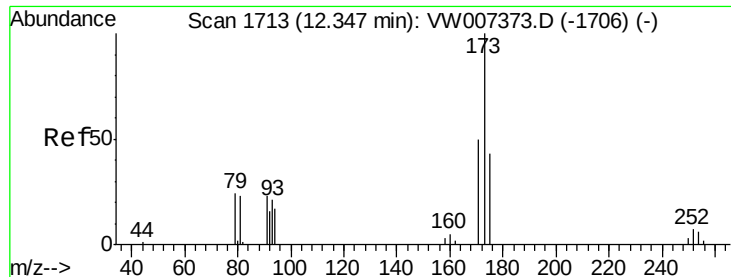
Tot Ion:106 Resp: 34652
Ion Ratio Lower Upper
106 100
91 215.2 106.6 319.8



#70
Styrene
Concen: 21.617 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Tgt Ion:104 Resp: 58443
Ion Ratio Lower Upper
104 100
78 50.9 41.8 62.8
103 54.6 46.6 69.8





#71

Bromoform

Concen: 19.409 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS01

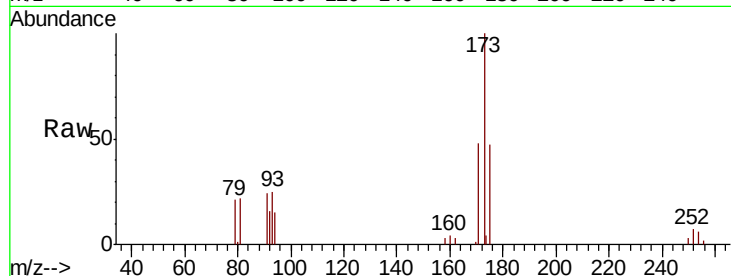
Tot Ion:173 Resp: 9382

Ion Ratio Lower Upper

173 100

175 50.7 23.6 70.8

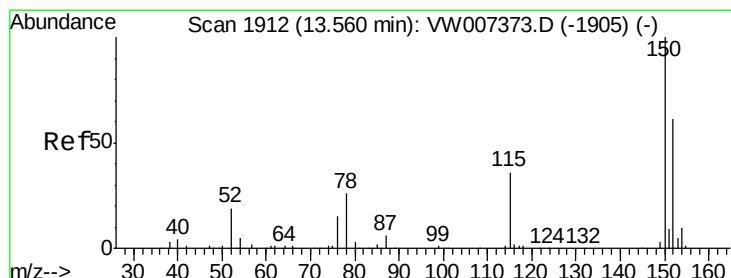
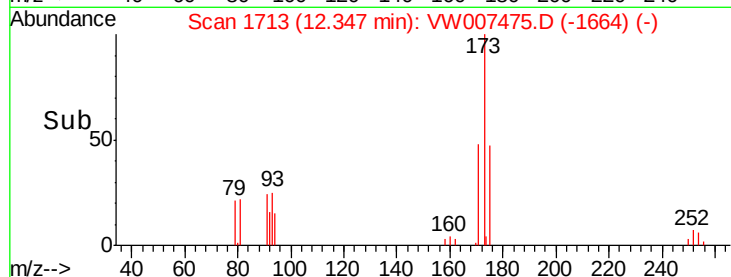
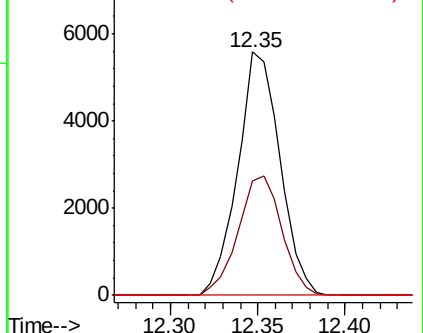
254 0.0 0.0 0.0



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: VW007475.D

Acq: 13 Dec 2018 09:34

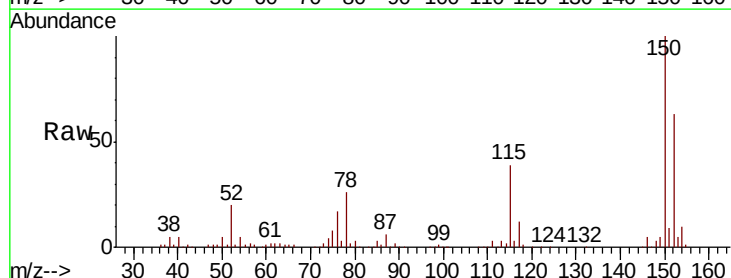
Tgt Ion:152 Resp: 64402

Ion Ratio Lower Upper

152 100

115 62.5 31.4 94.2

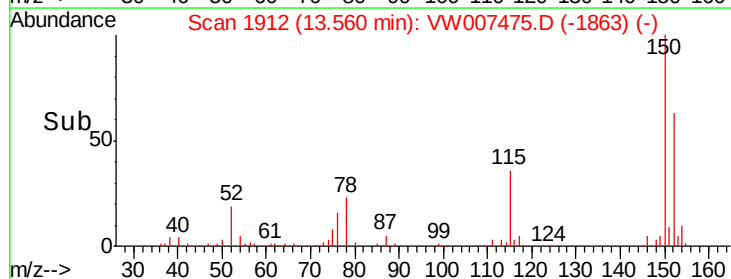
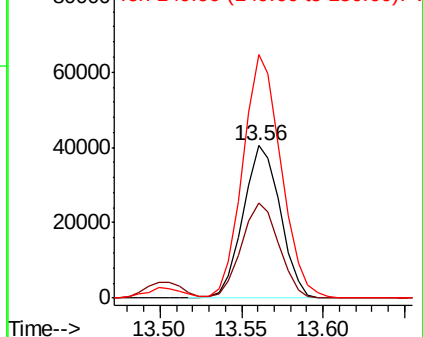
150 164.7 0.0 358.4

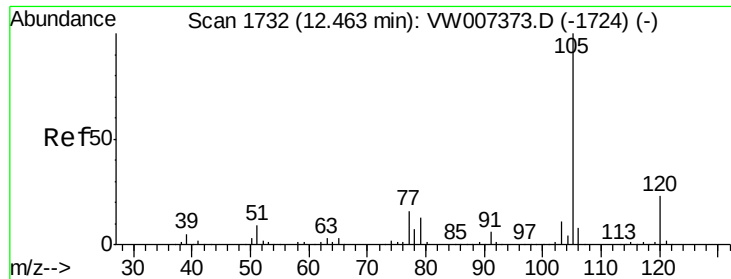


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.507 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

Instrument :

MSVOA_W

ClientSampleId :

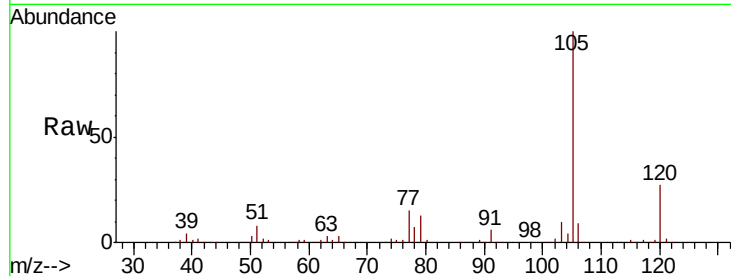
VW1216SBS01

Tot Ion:105 Resp: 96260

Ion Ratio Lower Upper

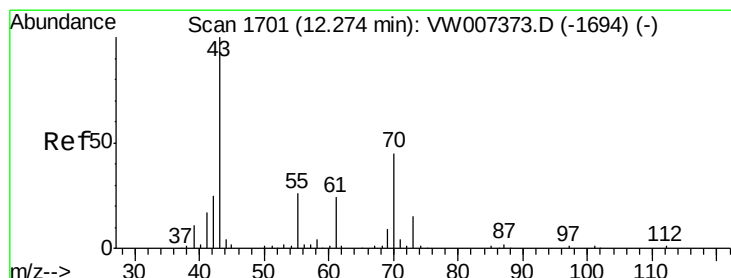
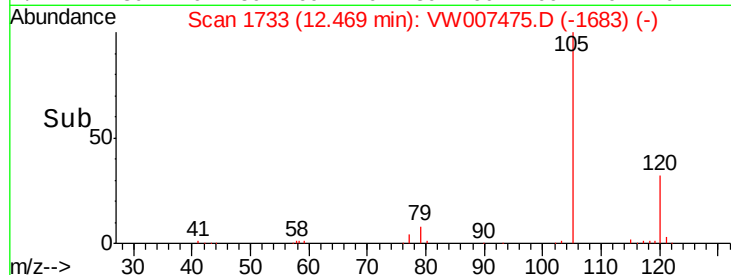
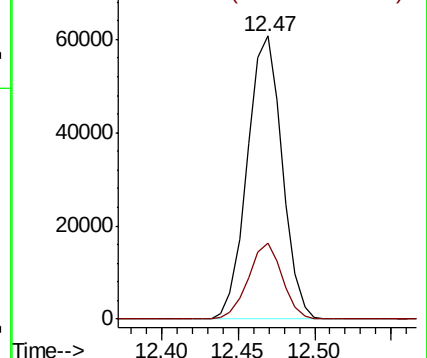
105 100

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: 19.648 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

Tgt Ion: 43 Resp: 17621

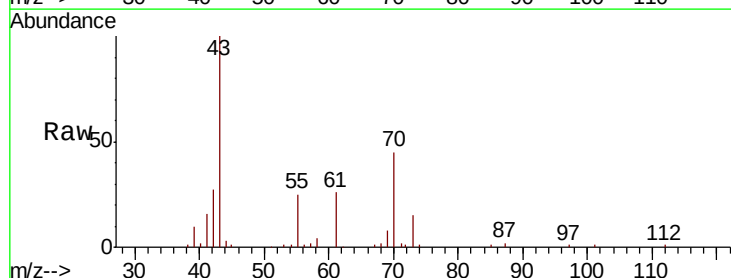
Ion Ratio Lower Upper

43 100

70 44.3 36.5 54.7

55 25.7 20.1 30.1

61 25.3 19.3 28.9

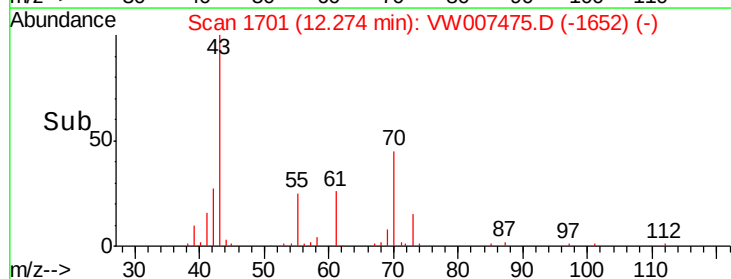
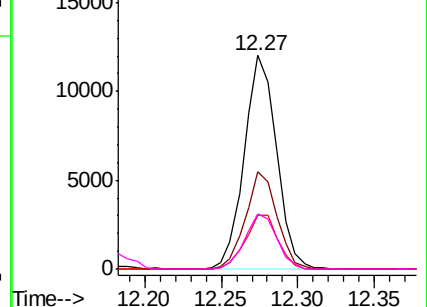


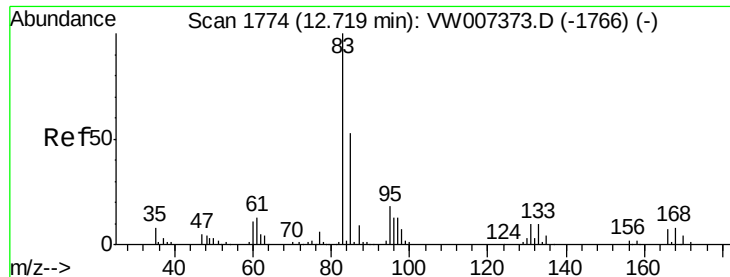
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 20.482 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS01

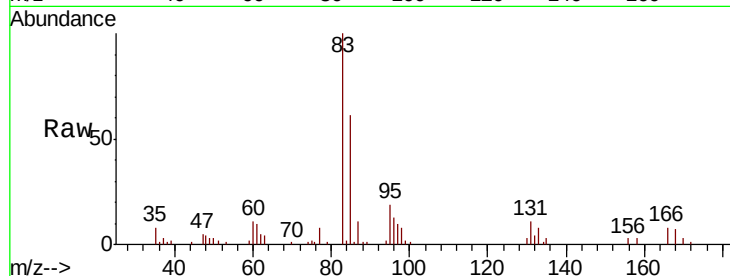
Tot Ion: 83 Resp: 14970

Ion Ratio Lower Upper

83 100

131 10.8 5.9 17.8

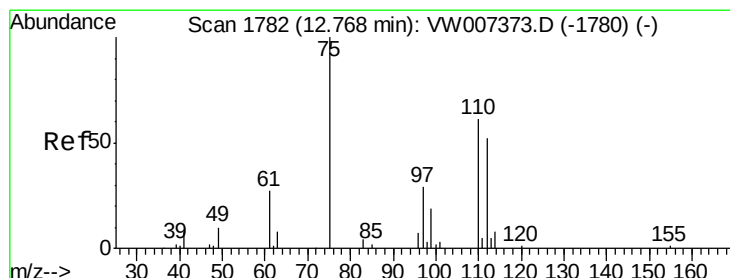
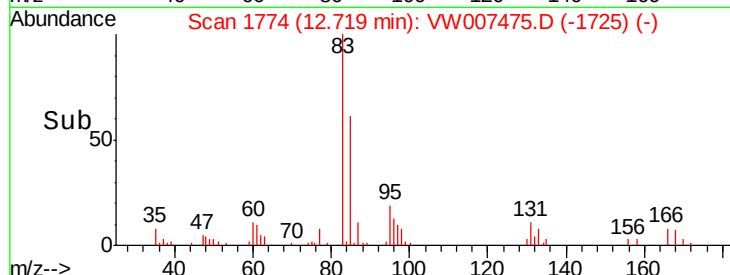
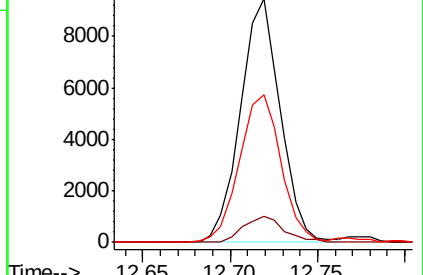
85 63.5 30.0 90.0



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: 36.630 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW007475.D

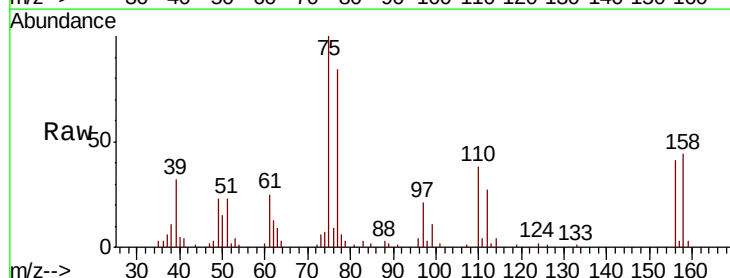
Acq: 13 Dec 2018 09:34

Tgt Ion: 75 Resp: 19451

Ion Ratio Lower Upper

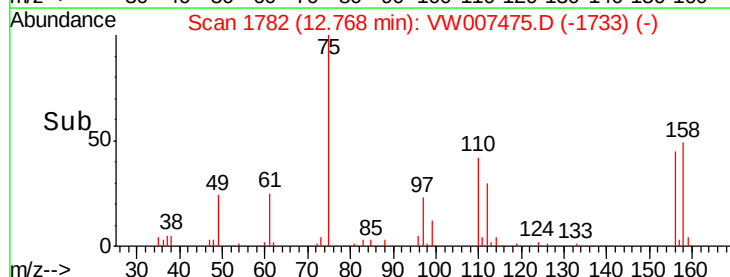
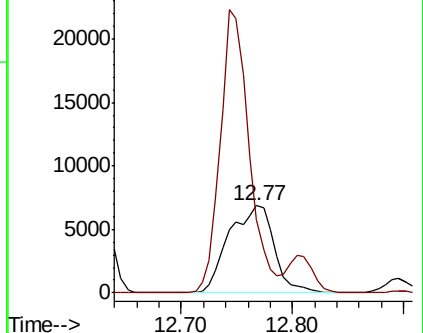
75 100

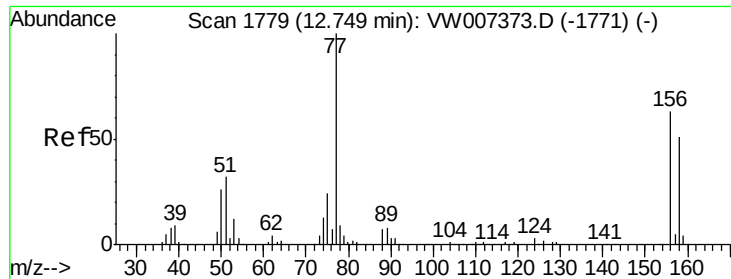
77 0.0 166.9 500.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.053 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS01

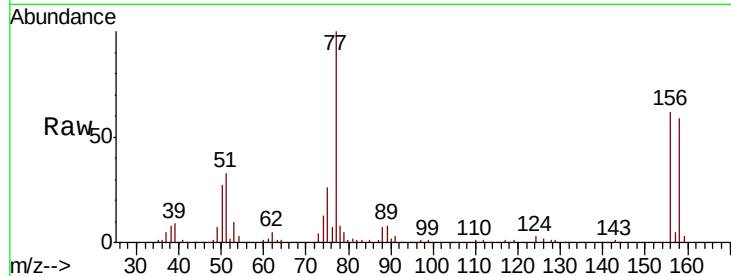
Tot Ion:156 Resp: 21935

Ion Ratio Lower Upper

156 100

77 182.7 88.1 264.4

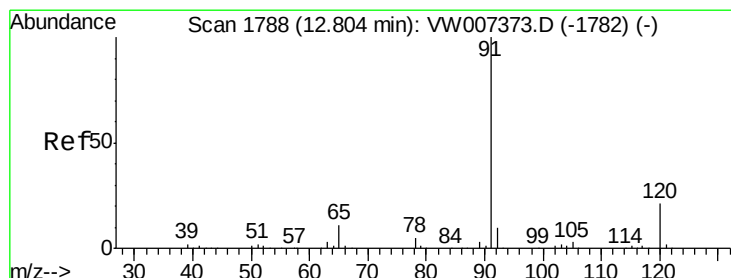
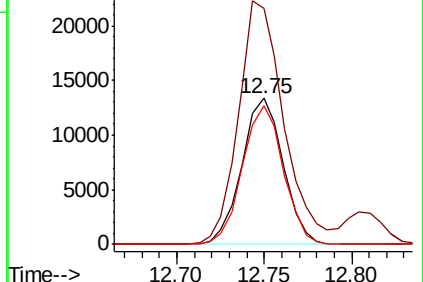
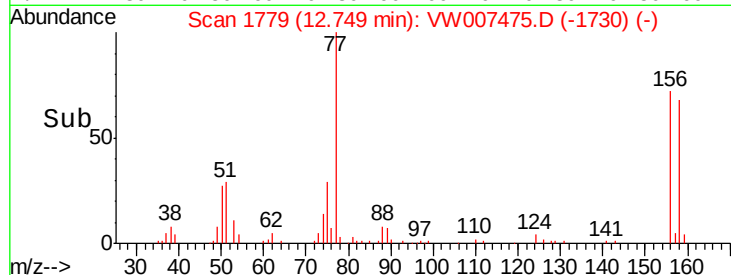
158 93.9 45.6 136.7



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: 20.232 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VW007475.D

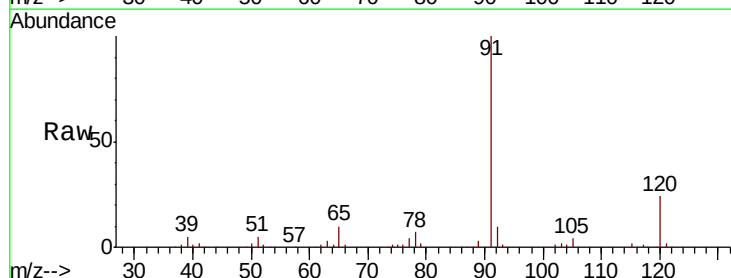
Acq: 13 Dec 2018 09:34

Tgt Ion: 91 Resp: 112362

Ion Ratio Lower Upper

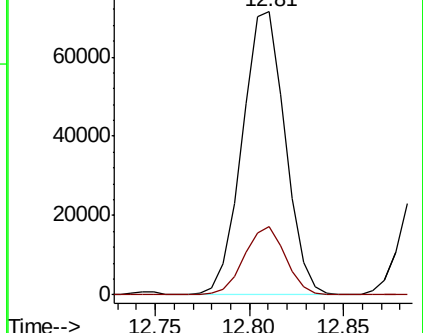
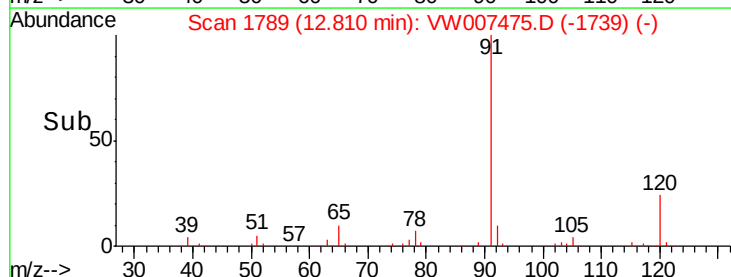
91 100

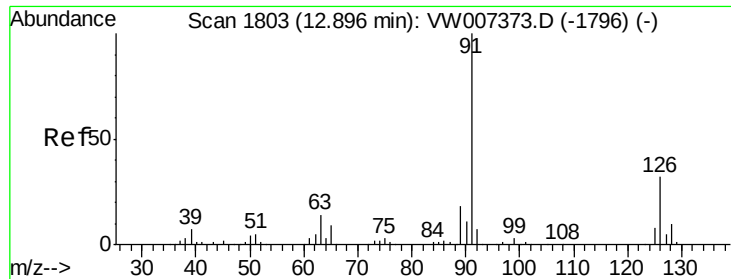
120 23.3 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

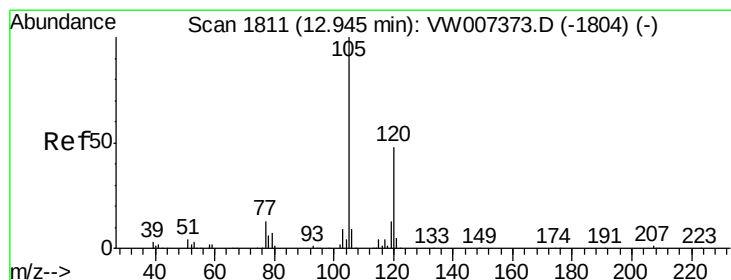
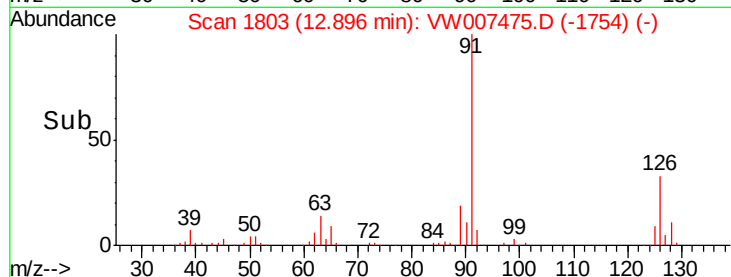
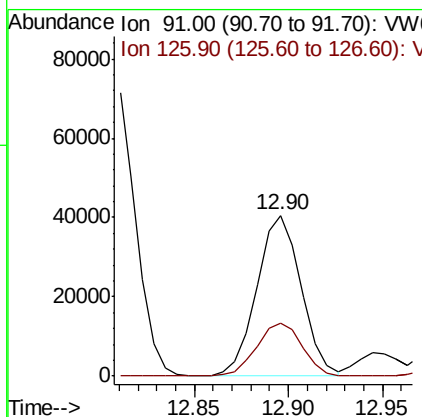
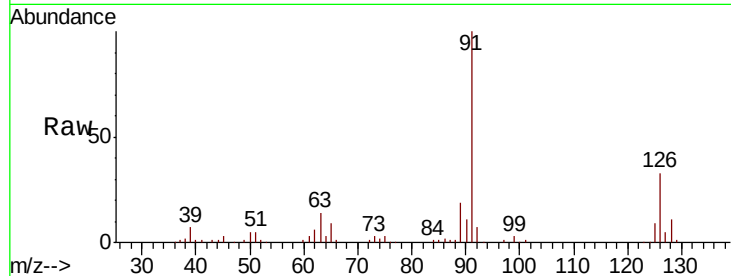




#79
 2-Chlorotoluene
 Concen: 19.593 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

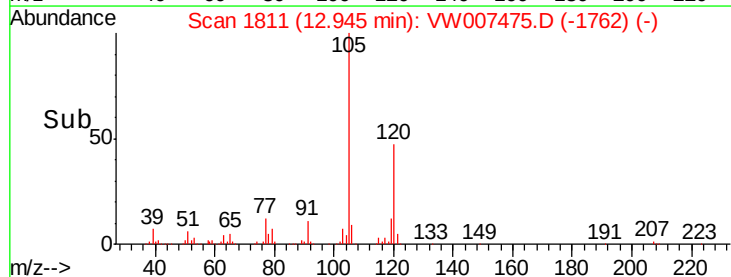
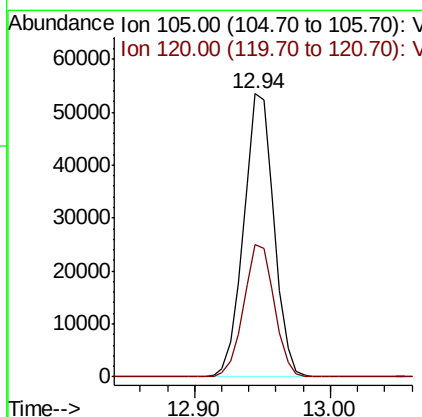
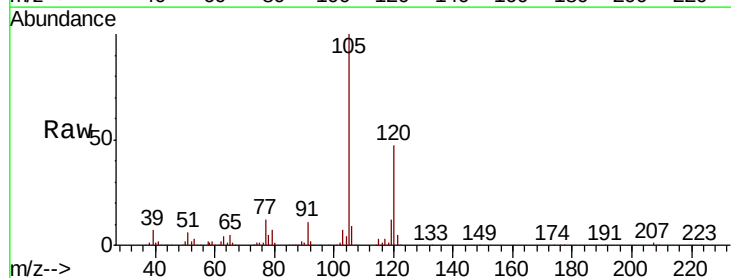
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS01

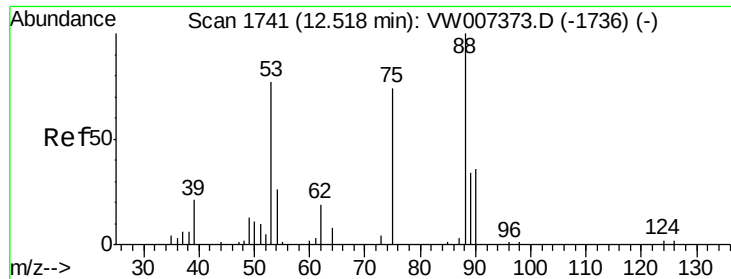
Tot Ion: 91 Resp: 65841
 Ion Ratio Lower Upper
 91 100
 126 33.7 15.9 47.6



#80
 1,3,5-Trimethylbenzene
 Concen: 20.066 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

Tgt Ion:105 Resp: 83201
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.8 71.4

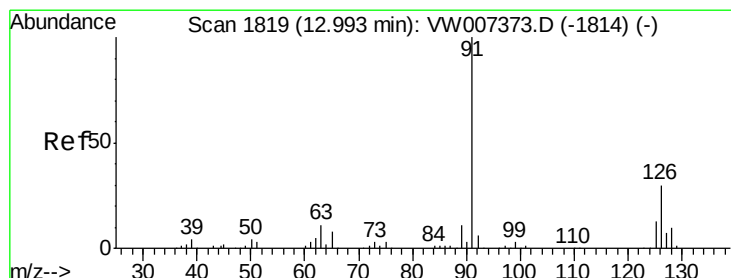
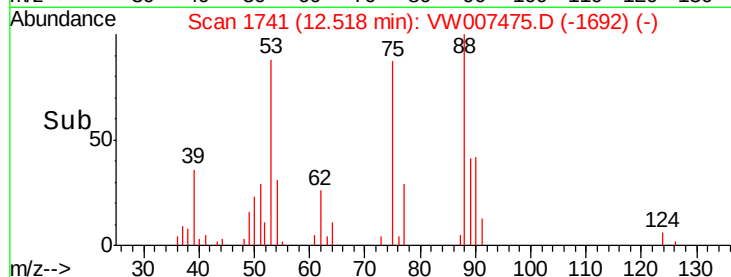
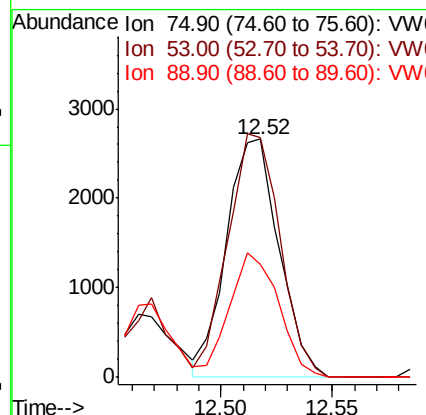
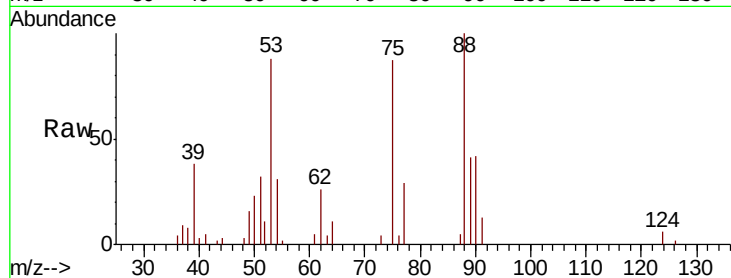




#81
trans-1,4-Dichloro-2-butene
Concen: 18.171 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

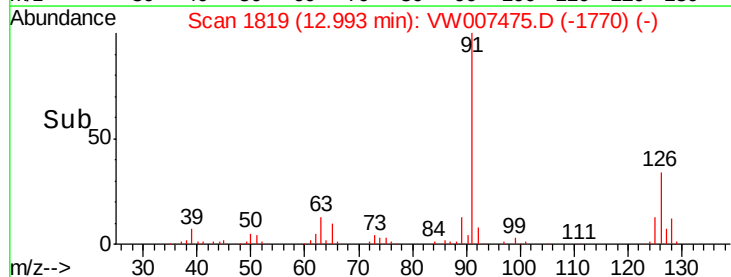
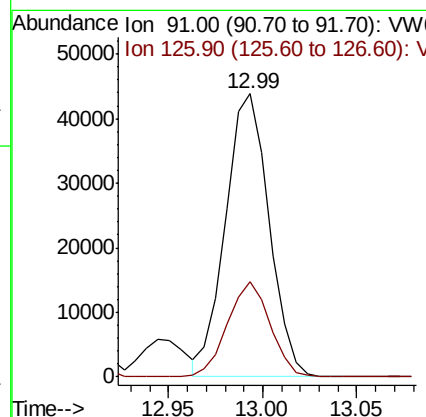
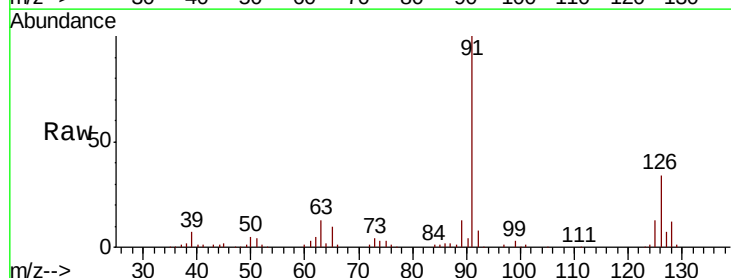
Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS01

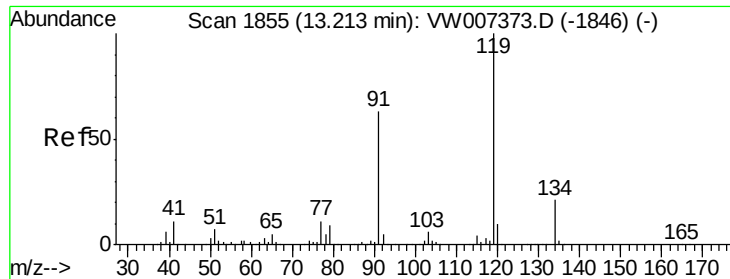
Tot Ion: 75 Resp: 4368
Ion Ratio Lower Upper
75 100
53 101.8 84.9 127.3
89 49.2 40.3 60.5



#82
4-Chlorotoluene
Concen: 19.854 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Tgt Ion: 91 Resp: 70326
Ion Ratio Lower Upper
91 100
126 32.9 16.0 48.0

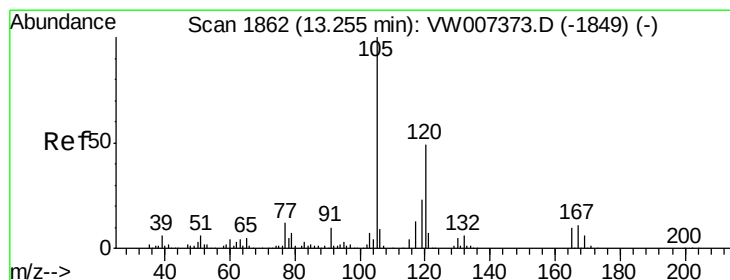
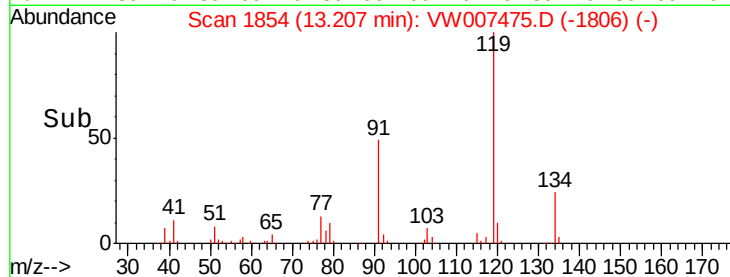
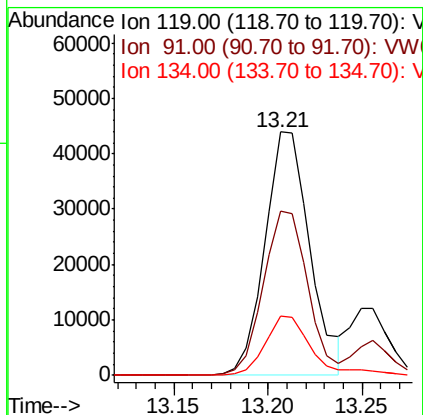
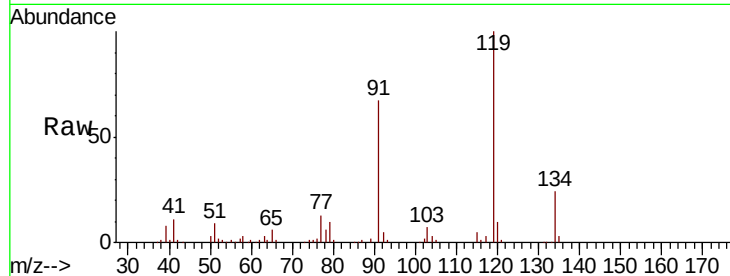




#83
 tert-Butylbenzene
 Concen: 19.928 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

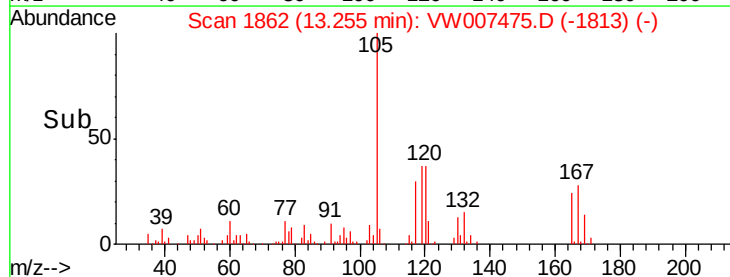
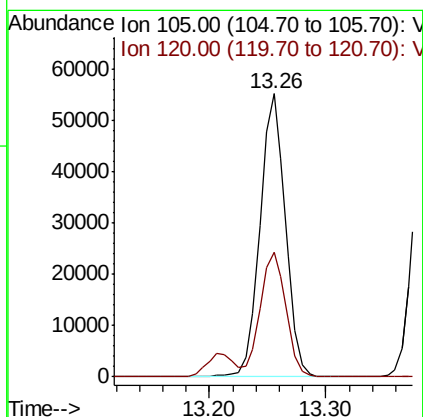
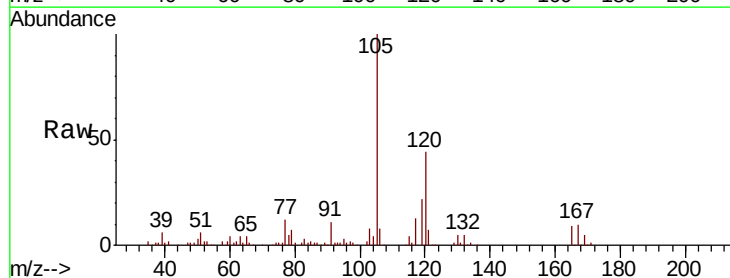
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS01

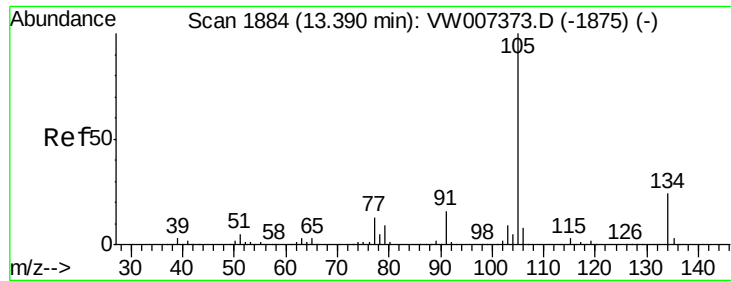
Tot Ion:119 Resp: 72806
 Ion Ratio Lower Upper
 119 100
 91 66.6 33.1 99.2
 134 25.1 12.5 37.5



#84
 1,2,4-Trimethylbenzene
 Concen: 19.683 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

Tgt Ion:105 Resp: 83986
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.6 67.7





#85

sec-Butylbenzene

Concen: 19.955 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

Instrument :

MSVOA_W

ClientSampleId :

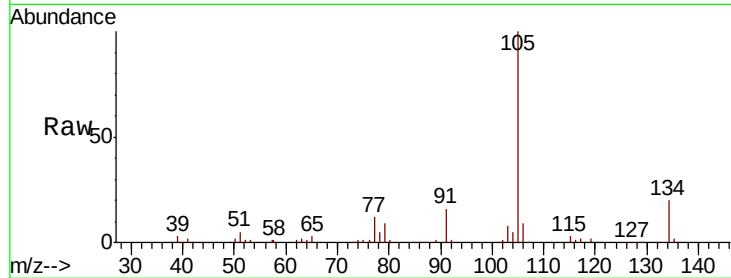
VW1216SBS01

Tot Ion:105 Resp: 99526

Ion Ratio Lower Upper

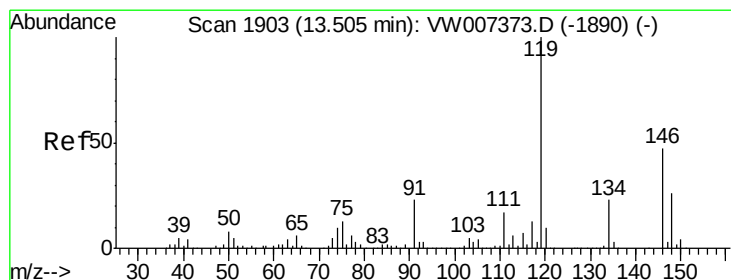
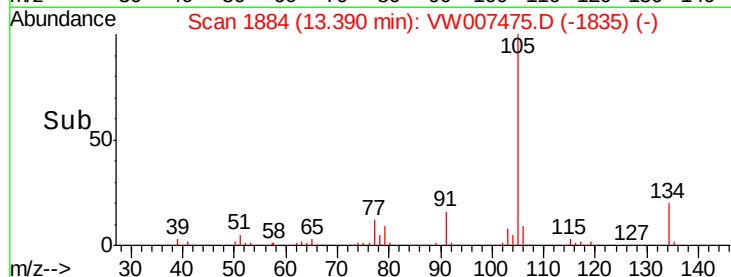
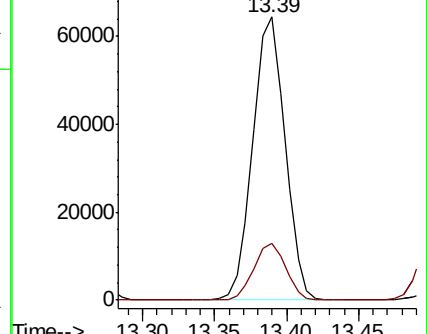
105 100

134 19.9 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: 20.139 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

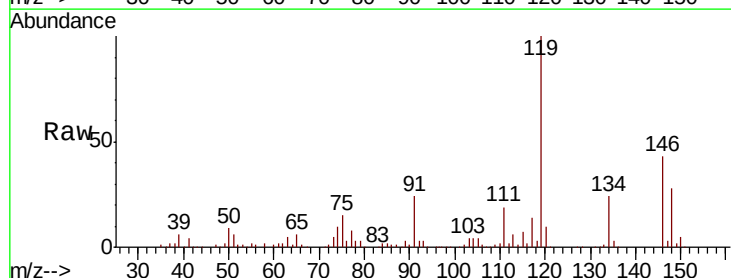
Tgt Ion:119 Resp: 90236

Ion Ratio Lower Upper

119 100

134 25.3 12.9 38.7

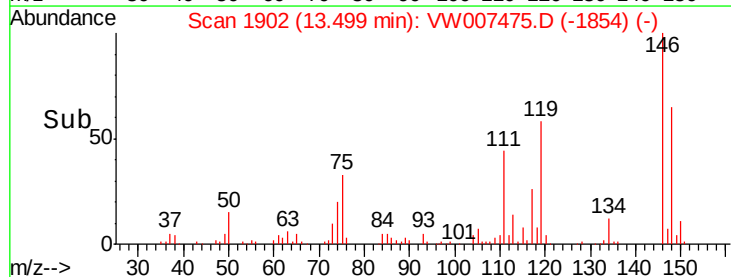
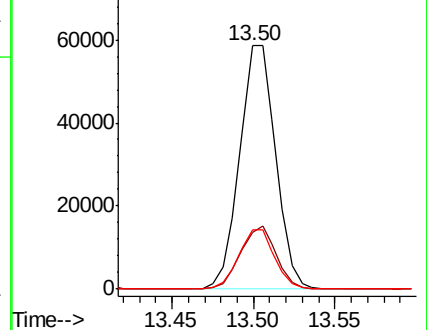
91 24.6 11.9 35.9

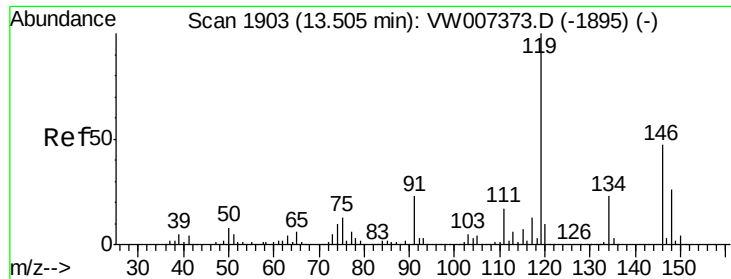


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

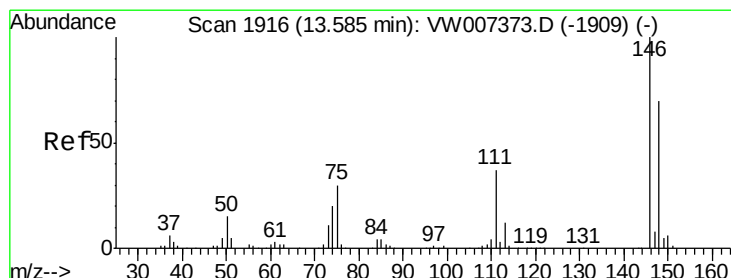
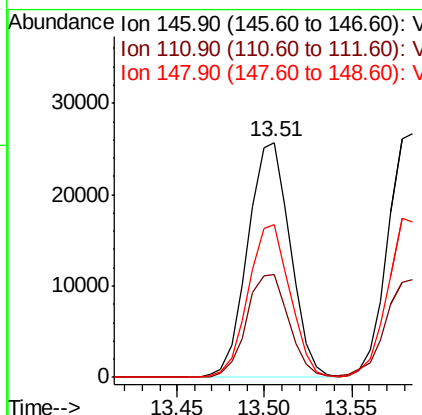
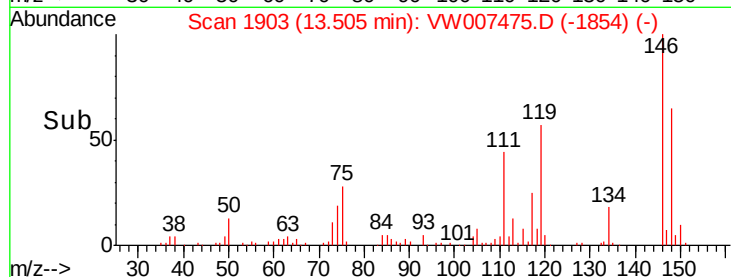
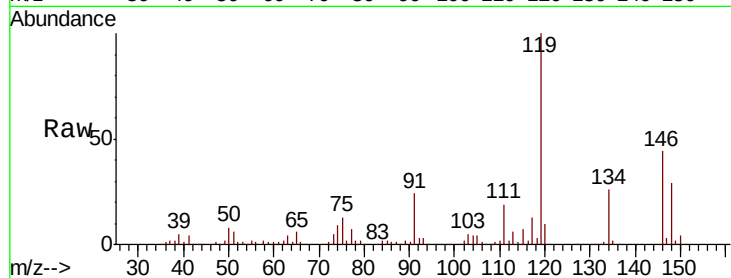




#87
 1,3-Dichlorobenzene
 Concen: 19.934 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

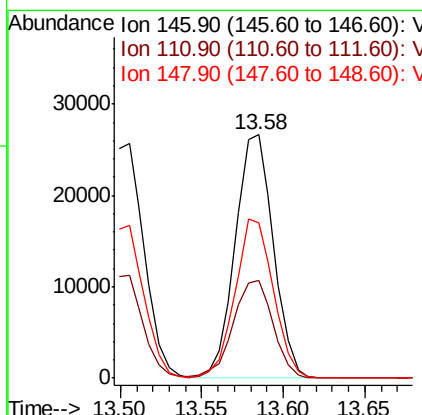
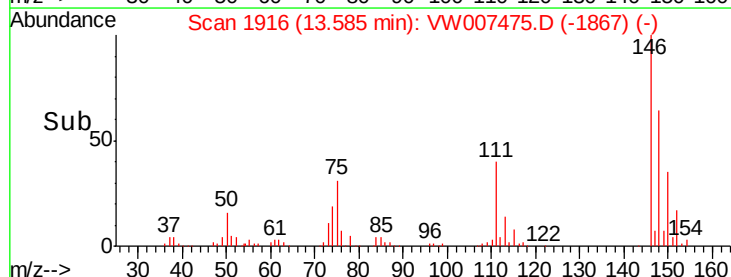
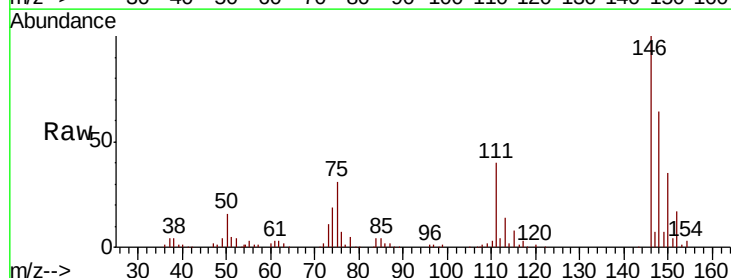
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS01

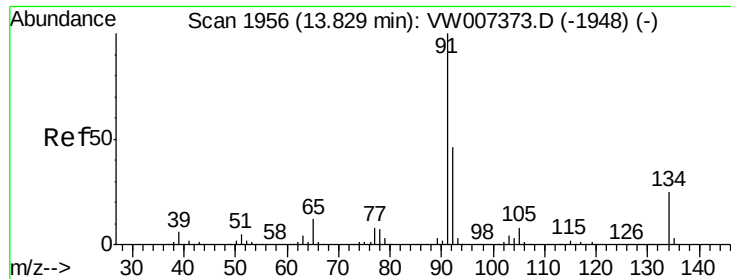
Tot Ion:146 Resp: 43474
 Ion Ratio Lower Upper
 146 100
 111 43.7 20.1 60.3
 148 63.7 31.4 94.0



#88
 1,4-Dichlorobenzene
 Concen: 19.802 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

Tgt Ion:146 Resp: 43417
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.3 61.0
 148 65.6 33.5 100.5

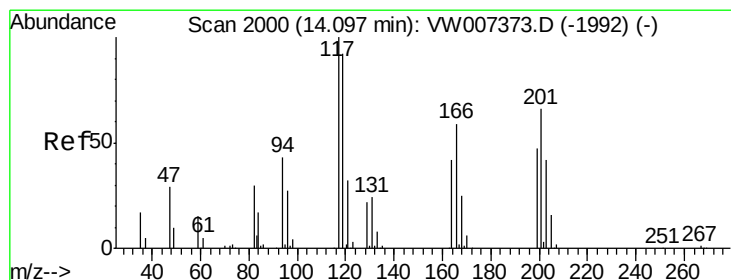
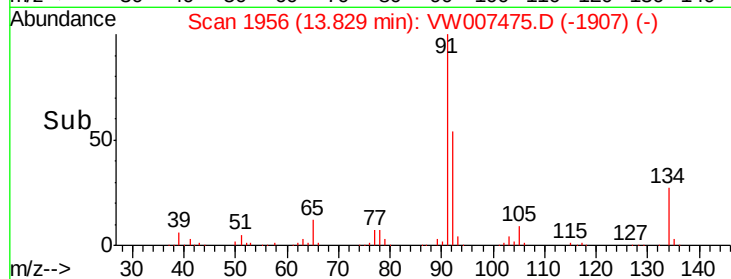
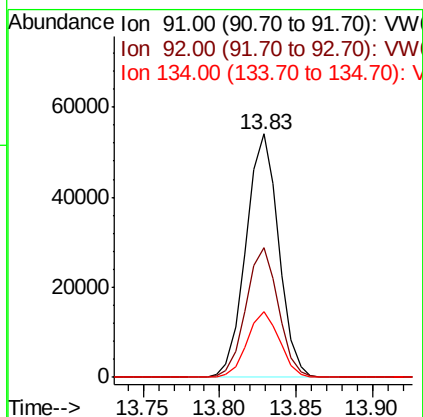
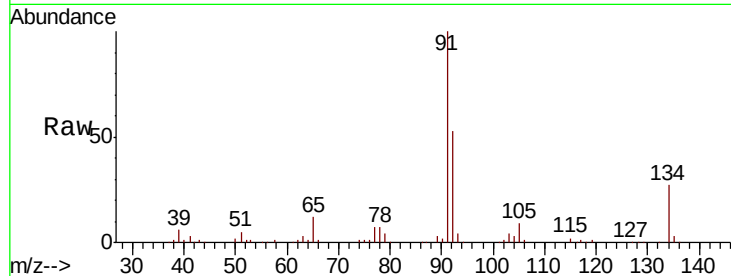




#89
n-Butylbenzene
Concen: 19.312 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

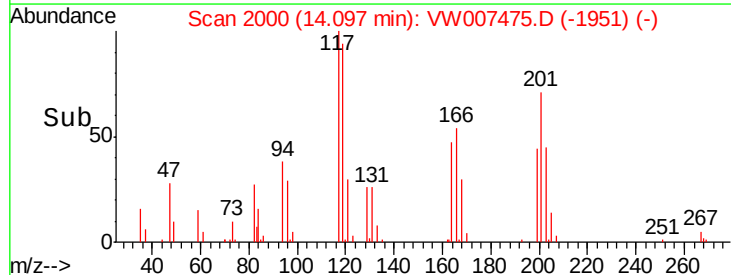
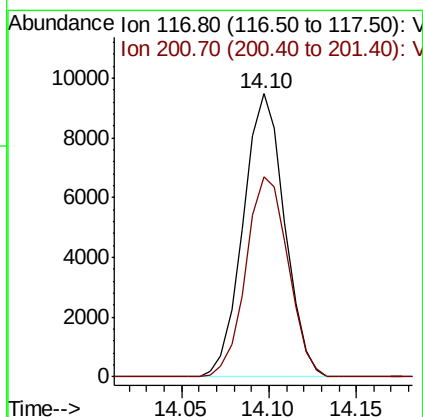
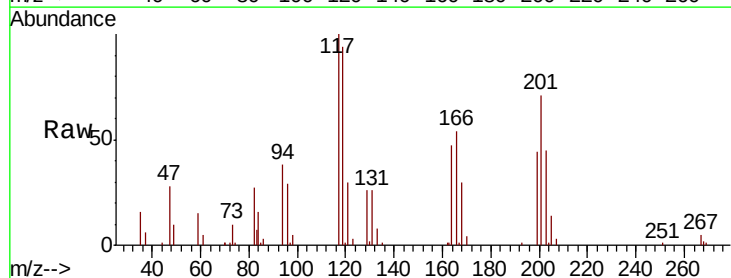
Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS01

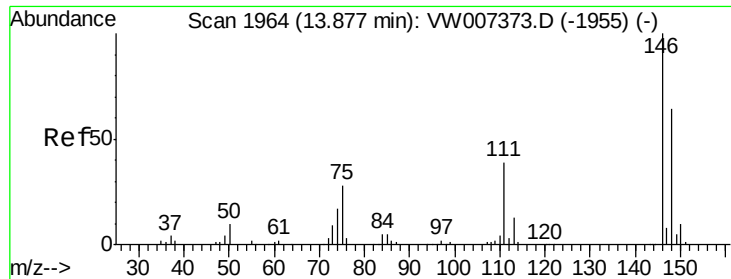
Tot Ion: 91 Resp: 80218
Ion Ratio Lower Upper
91 100
92 52.7 25.7 77.1
134 26.7 13.4 40.2



#90
Hexachloroethane
Concen: 19.572 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Tgt Ion: 117 Resp: 15604
Ion Ratio Lower Upper
117 100
201 72.1 35.3 105.9

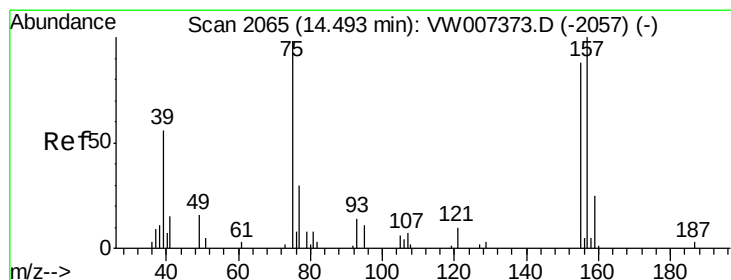
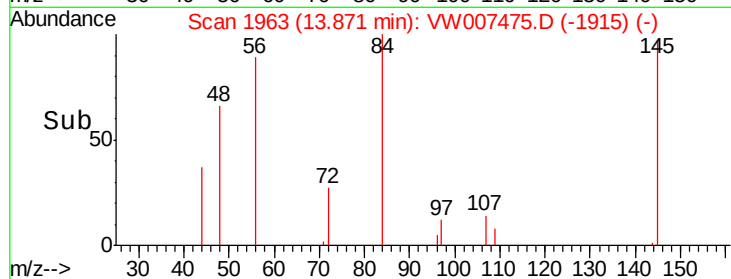
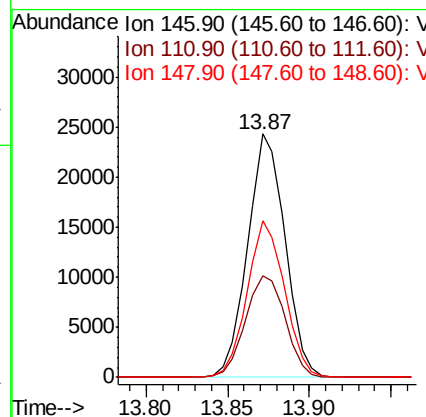
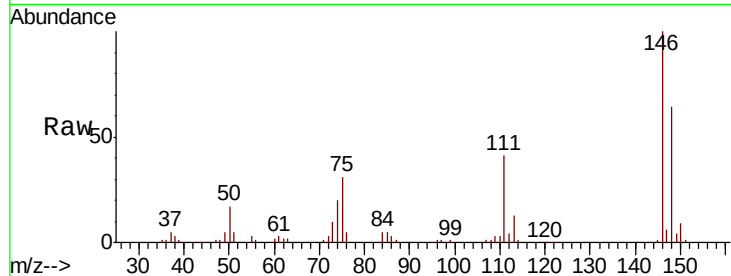




#91
 1,2-Dichlorobenzene
 Concen: 19.937 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.01 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

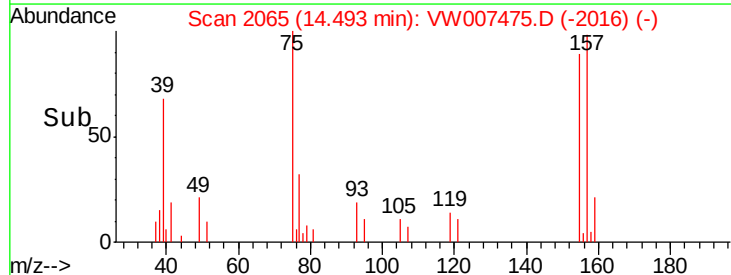
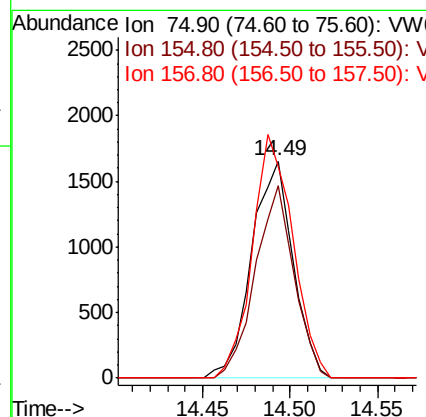
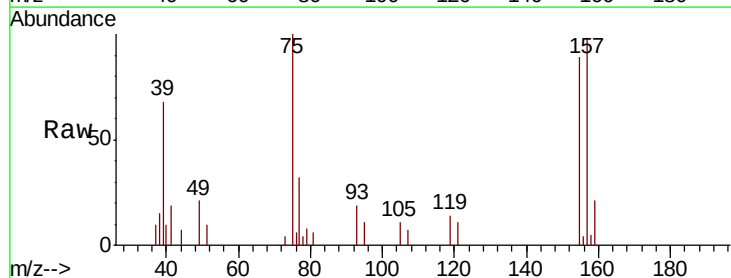
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS01

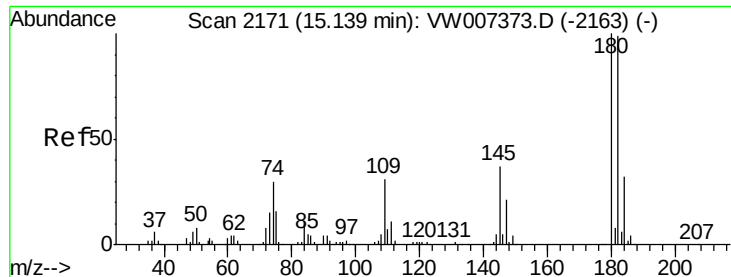
Tot Ion:146 Resp: 38943
 Ion Ratio Lower Upper
 146 100
 111 44.1 22.4 67.2
 148 64.0 32.4 97.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.701 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

Tgt Ion: 75 Resp: 2743
 Ion Ratio Lower Upper
 75 100
 155 83.0 40.8 122.2
 157 109.6 51.1 153.4

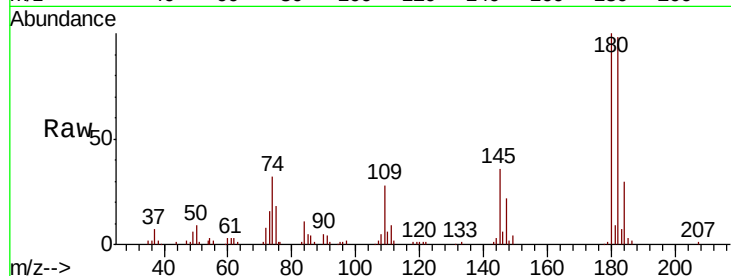




#93
 1,2,4-Trichlorobenzene
 Concen: 19.163 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	49.9	149.6
145	36.3	17.8	53.4

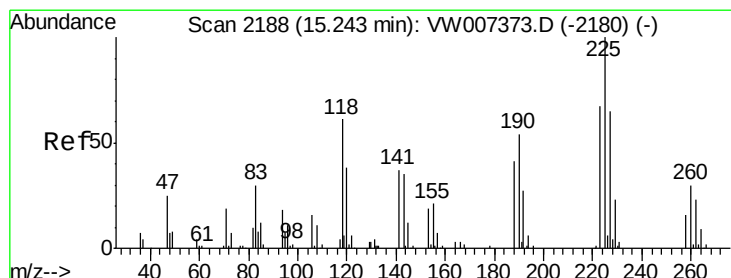
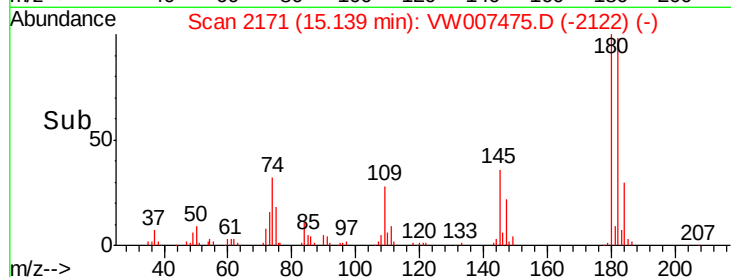
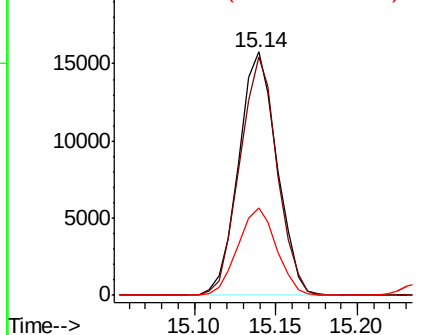


Abundance

Ion 179.80 (179.50 to 180.50): V

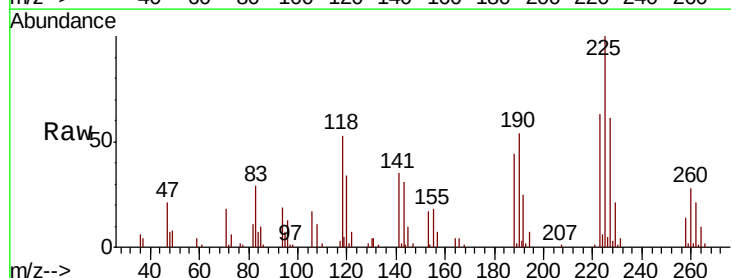
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 18.461 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.4	32.1	96.3
227	62.1	31.9	95.9

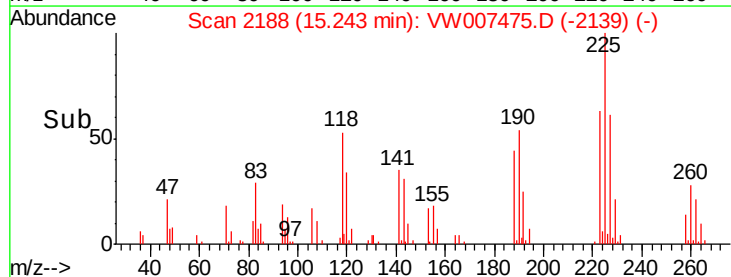
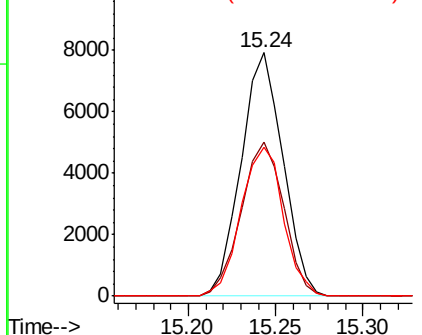


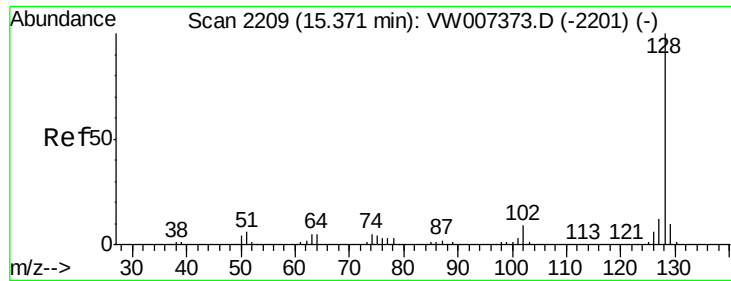
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

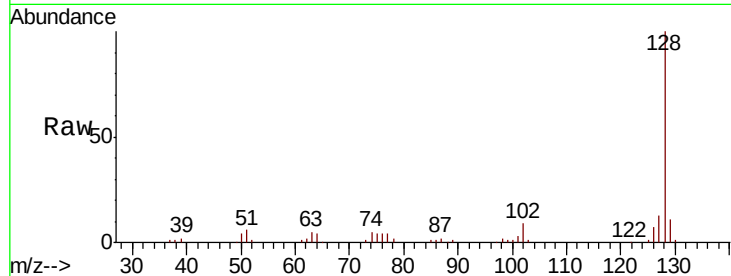




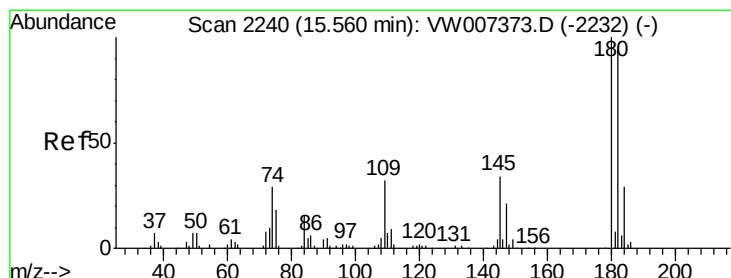
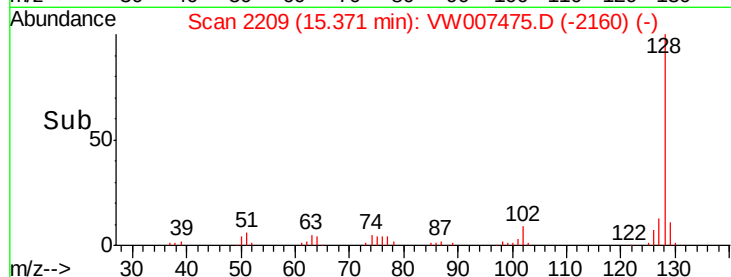
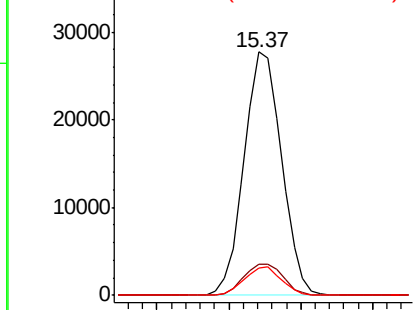
#95
Naphthalene
Concen: 19.514 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS01

Tot Ion:128 Resp: 50183
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.4
129 11.5 8.3 12.5

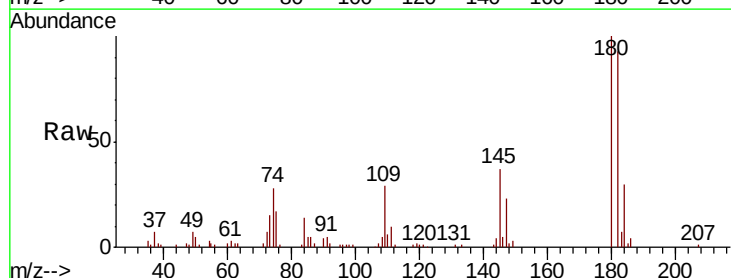


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 18.958 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.01 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Tgt Ion:180 Resp: 22138
Ion Ratio Lower Upper
180 100
182 96.7 45.6 136.7
145 38.0 17.5 52.5



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

