

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121118\
 Data File : VW007373.D
 Acq On : 11 Dec 2018 00:05
 Operator : SY/AP
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Quant Time: Dec 11 01:37:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 01:34:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	85668	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	146830	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	127569	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	59006	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	49806	59.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.94%	
35) Dibromofluoromethane	7.88	113	46772	54.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.48%	
50) Toluene-d8	10.32	98	176277	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	
62) 4-Bromofluorobenzene	12.62	95	64367	46.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.82%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	26120	29.603	ug/l	100
3) Chloromethane	2.22	50	23294	21.609	ug/l	100
4) Vinyl Chloride	2.37	62	27951	39.156	ug/l	100
5) Bromomethane	2.78	94	19046	50.972	ug/l	100
6) Chloroethane	2.93	64	16304	40.515	ug/l	100
7) Trichlorofluoromethane	3.26	101	25443	19.542	ug/l	100
8) Diethyl Ether	3.68	74	22011	53.800	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	43160	49.236	ug/l	100
10) Methyl Iodide	4.26	142	72814	84.012	ug/l	100
11) Tert butyl alcohol	5.17	59	15575	170.160	ug/l	100
12) 1,1-Dichloroethene	4.03	96	41571	50.289	ug/l	100
13) Acrolein	3.89	56	10550	196.581	ug/l	100
14) Allyl chloride	4.66	41	61726	47.364	ug/l	100
15) Acrylonitrile	5.37	53	44489	264.106	ug/l	100
16) Acetone	4.12	43	42931	237.178	ug/l	100
17) Carbon Disulfide	4.38	76	124638	46.714	ug/l	100
18) Methyl Acetate	4.67	43	22812	52.523	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	65523	36.070	ug/l	100
20) Methylene Chloride	4.90	84	46935	41.989	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	47385	51.345	ug/l	100
22) Diisopropyl ether	6.31	45	122669	52.035	ug/l	100
23) Vinyl Acetate	6.25	43	349085	270.161	ug/l	100
24) 1,1-Dichloroethane	6.21	63	81234	53.013	ug/l	100
25) 2-Butanone	7.17	43	56890	261.825	ug/l	100
26) 2,2-Dichloropropane	7.17	77	52977	38.077	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	52855	53.129	ug/l	100
28) Bromochloromethane	7.51	49	30971	55.225	ug/l	100
29) Tetrahydrofuran	7.53	42	36302	267.373	ug/l	100
30) Chloroform	7.67	83	88543	55.058	ug/l	100
31) Cyclohexane	7.95	56	69616	44.640	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	76459	51.445	ug/l	100
36) 1,1-Dichloropropene	8.08	75	66479	47.279	ug/l	100
37) Ethyl Acetate	7.25	43	24270	47.690	ug/l	100
38) Carbon Tetrachloride	8.07	117	73280	50.246	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	80709	43.350	ug/l	100
40) Benzene	8.32	78	190307	48.999	ug/l	100
41) Methacrylonitrile	7.48	41	15146	49.882	ug/l	100
42) 1,2-Dichloroethane	8.40	62	59813	53.812	ug/l	100
43) Isopropyl Acetate	8.43	43	50989	51.149	ug/l	100
44) Trichloroethene	9.09	130	52916	48.654	ug/l	100
45) 1,2-Dichloropropane	9.37	63	44262	48.923	ug/l	100
46) Dibromomethane	9.46	93	24443	51.245	ug/l	100
47) Bromodichloromethane	9.64	83	66321	52.810	ug/l	100
48) Methyl methacrylate	9.44	41	26296	51.310	ug/l	100
49) 1,4-Dioxane	9.45	88	8142	992.708	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	121505	250.496	ug/l	100
52) Toluene	10.39	92	124012	46.338	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	63512	50.994	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	73822	50.685	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	33819	50.255	ug/l	100
56) Ethyl methacrylate	10.65	69	42035	48.780	ug/l	100
57) 1,3-Dichloropropane	10.93	76	55866	49.509	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	104021	287.423	ug/l	100
59) 2-Hexanone	10.97	43	80445	232.854	ug/l	100
60) Dibromochloromethane	11.13	129	43320	52.080	ug/l	100
61) 1,2-Dibromoethane	11.24	107	32453	50.615	ug/l	100
64) Tetrachloroethene	10.87	164	43715	47.707	ug/l	100
65) Chlorobenzene	11.66	112	131594	47.161	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	46216	52.467	ug/l	100
67) Ethyl Benzene	11.73	91	229882	45.294	ug/l	100
68) m/p-Xylenes	11.84	106	173751	87.806	ug/l	100
69) o-Xylene	12.17	106	86916	46.627	ug/l	100
70) Styrene	12.18	104	135733	44.830	ug/l	100
71) Bromoform	12.35	173	23690	53.867	ug/l	# 100
73) Isopropylbenzene	12.46	105	230372	48.813	ug/l	100
74) N-amyl acetate	12.27	43	42858	51.538	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	37142	58.689	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	48453	100.731	ug/l	34
77) Bromobenzene	12.75	156	53437	51.573	ug/l	100
78) n-propylbenzene	12.80	91	270875	47.790	ug/l	100
79) 2-Chlorotoluene	12.90	91	165086	51.338	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	196406	48.602	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	11424	54.596	ug/l	100
82) 4-Chlorotoluene	12.99	91	169190	49.445	ug/l	100
83) tert-Butylbenzene	13.21	119	176060	49.351	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	201255	48.667	ug/l	100
85) sec-Butylbenzene	13.39	105	227722	45.284	ug/l	100
86) p-Isopropyltoluene	13.51	119	217293	48.047	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	104218	49.204	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	101366	47.856	ug/l	100
89) n-Butylbenzene	13.83	91	198191	47.168	ug/l	100
90) Hexachloroethane	14.10	117	37500	53.838	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	90666	49.824	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7166	58.498	ug/l	100

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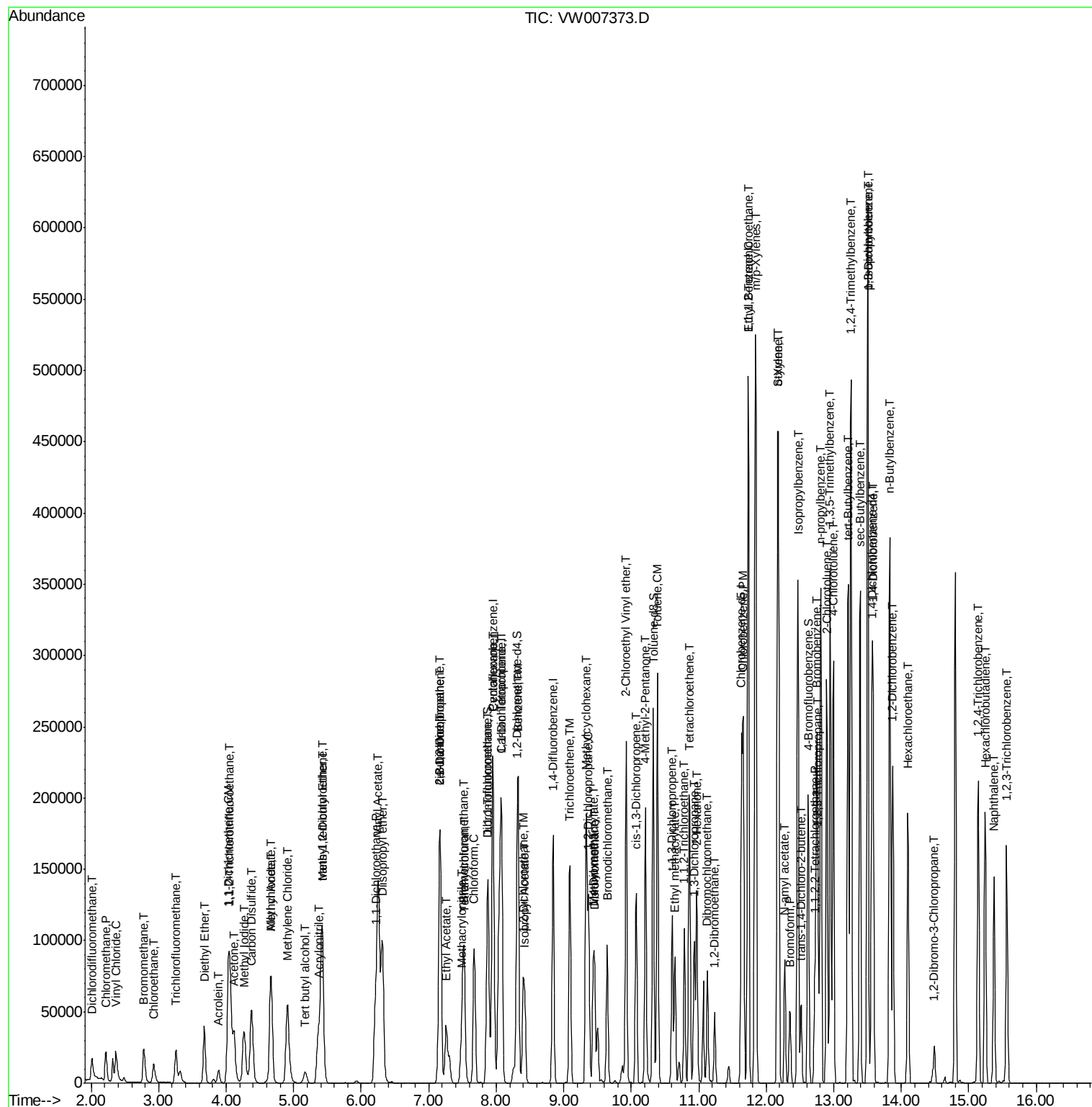
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	62869	49.843	ug/l	100
94) Hexachlorobutadiene	15.24	225	33512	49.162	ug/l	100
95) Naphthalene	15.37	128	128478	55.976	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	57279	53.039	ug/l	100

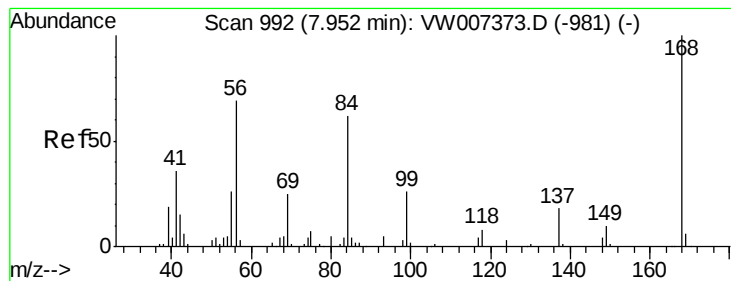
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Client Sampled :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007373.D

Acq: 11 Dec 2018 00:05

Instrument :

MSVOA_W

ClientSampleId :

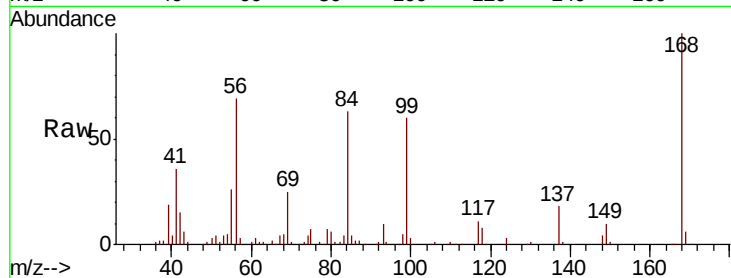
VSTDICCC050

Tgt Ion: 168 Resp: 85668

Ion Ratio Lower Upper

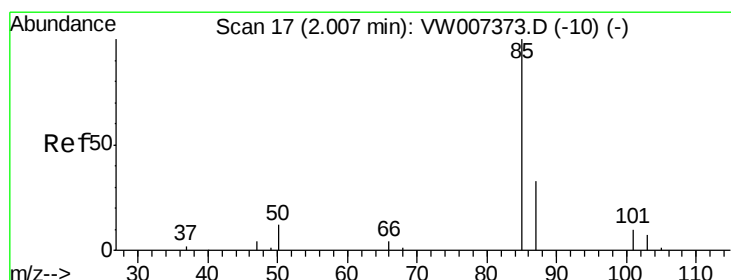
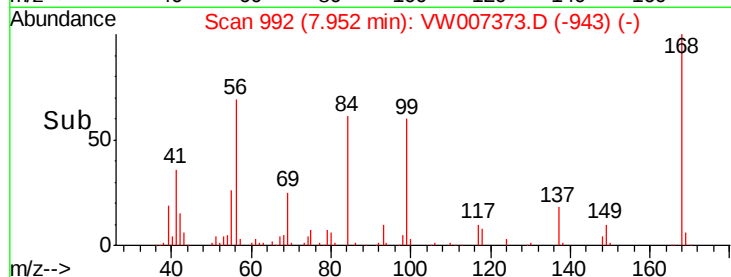
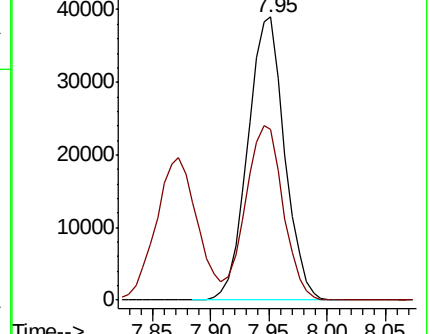
168 100

99 60.4 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 29.603 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW007373.D

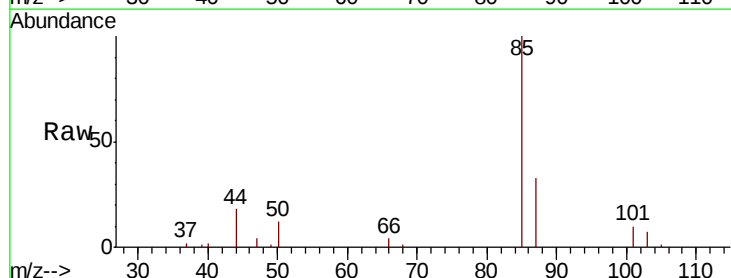
Acq: 11 Dec 2018 00:05

Tgt Ion: 85 Resp: 26120

Ion Ratio Lower Upper

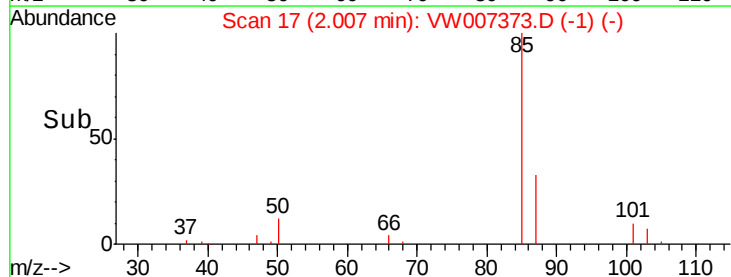
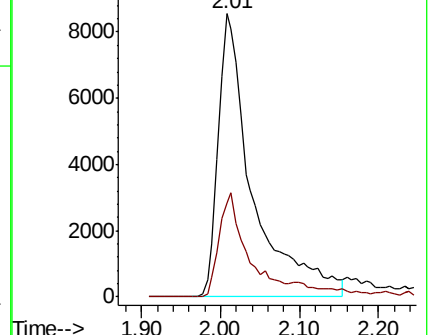
85 100

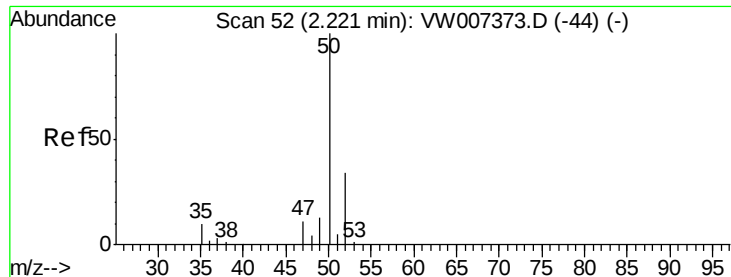
87 33.1 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

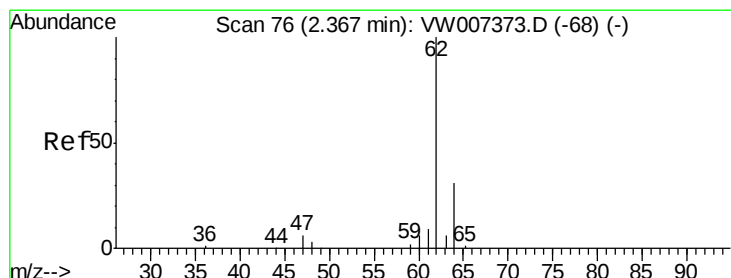
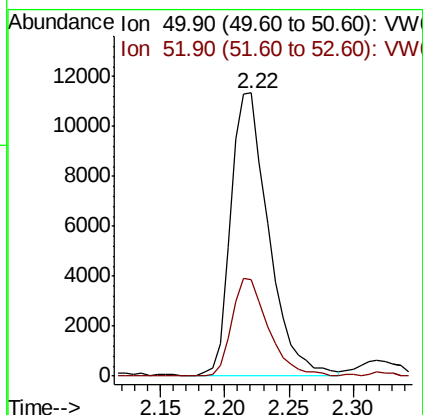
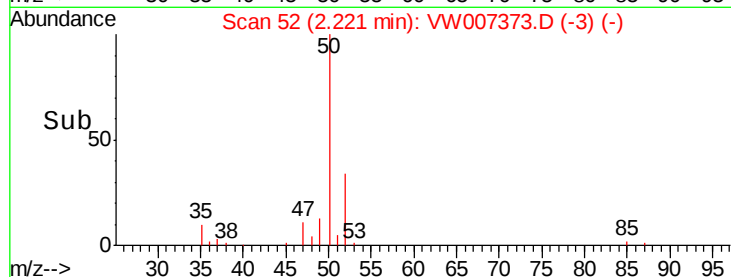
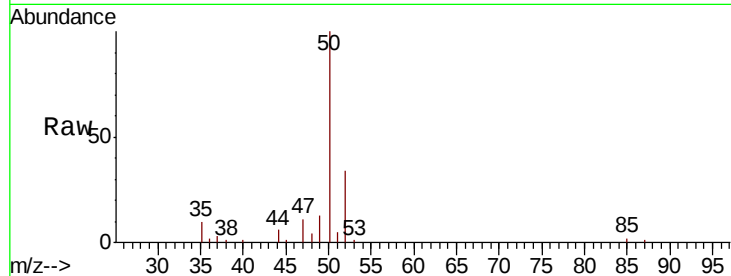




#3
Chloromethane
Concen: 21.609 ug/l
RT: 2.22 min Scan# 52
Delta R.T. 0.00 min
Lab File: VW007373.D
Acq: 11 Dec 2018 00:05

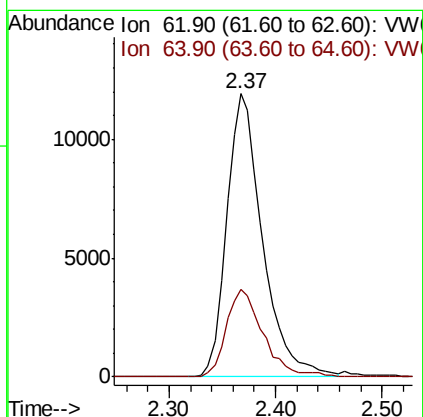
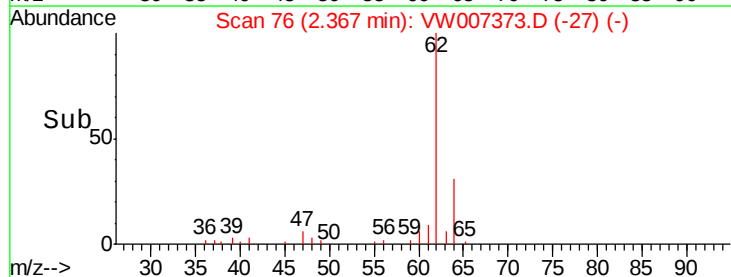
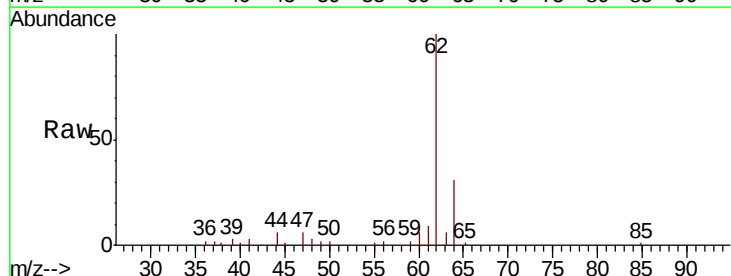
Instrument :
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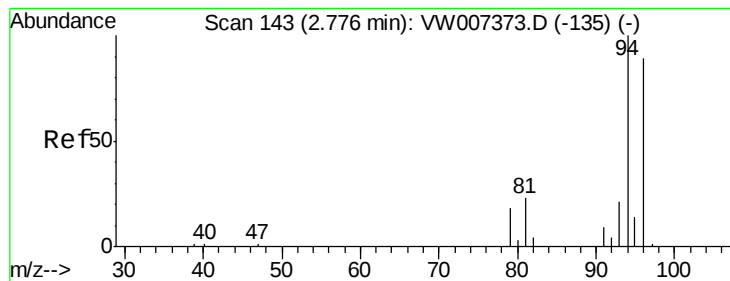
Tgt Ion: 50 Resp: 23294
Ion Ratio Lower Upper
50 100
52 34.2 27.4 41.0



#4
Vinyl Chloride
Concen: 39.156 ug/l
RT: 2.37 min Scan# 76
Delta R.T. 0.00 min
Lab File: VW007373.D
Acq: 11 Dec 2018 00:05

Tgt Ion: 62 Resp: 27951
Ion Ratio Lower Upper
62 100
64 30.8 24.6 37.0





#5

Bromomethane

Concen: 50.972 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW007373.D

Acq: 11 Dec 2018 00:05

Instrument :

MSVOA_W

ClientSampleId :

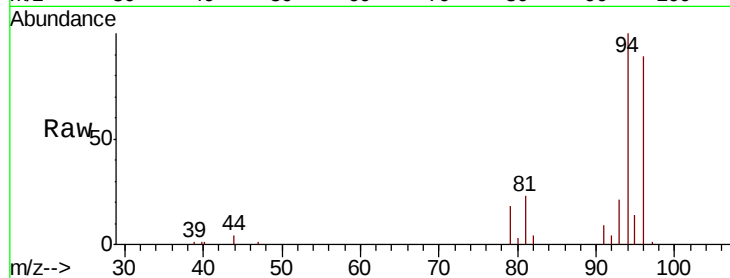
VSTDICCC050

Tgt Ion: 94 Resp: 19046

Ion Ratio Lower Upper

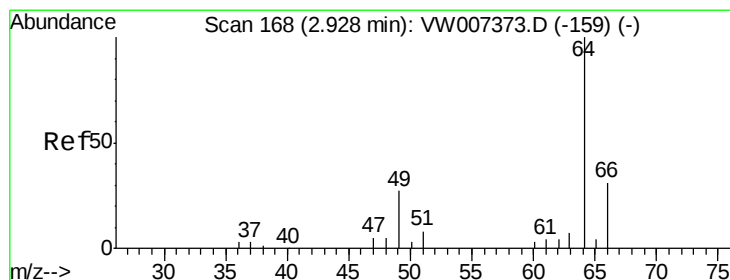
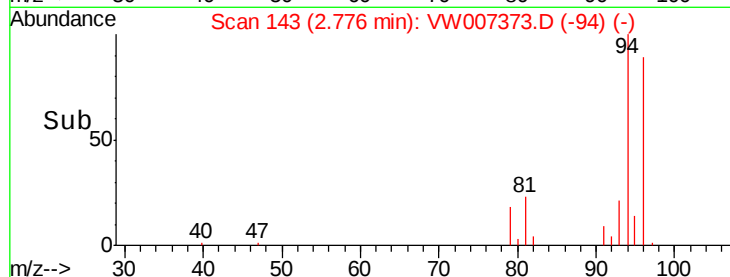
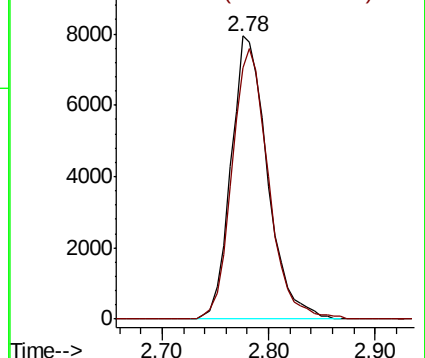
94 100

96 88.7 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: 40.515 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW007373.D

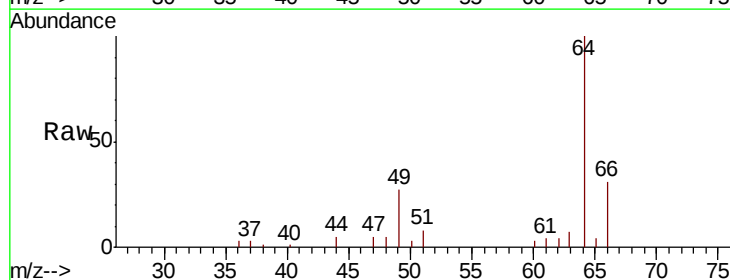
Acq: 11 Dec 2018 00:05

Tgt Ion: 64 Resp: 16304

Ion Ratio Lower Upper

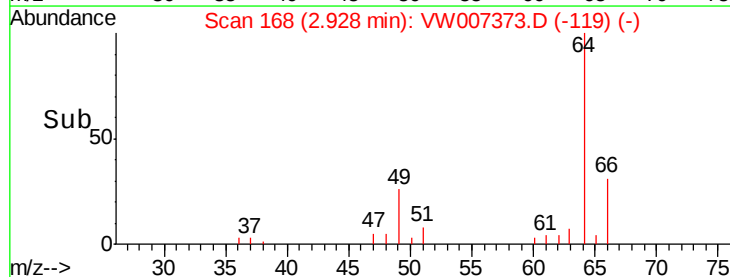
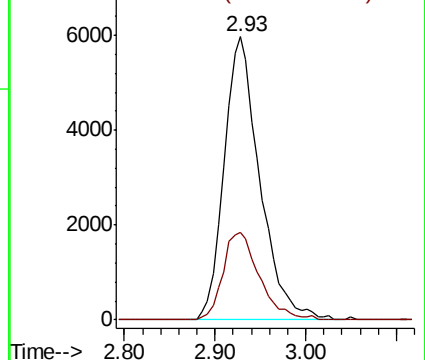
64 100

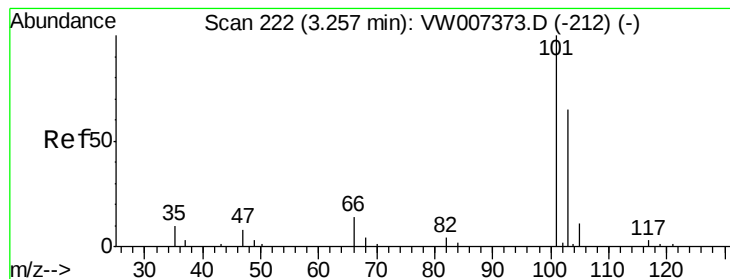
66 30.8 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



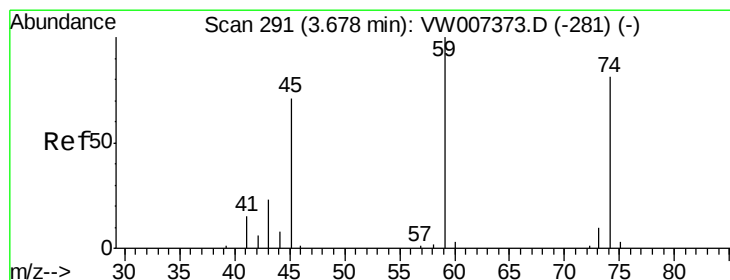
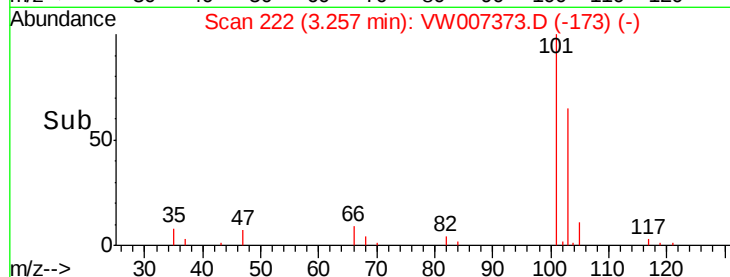
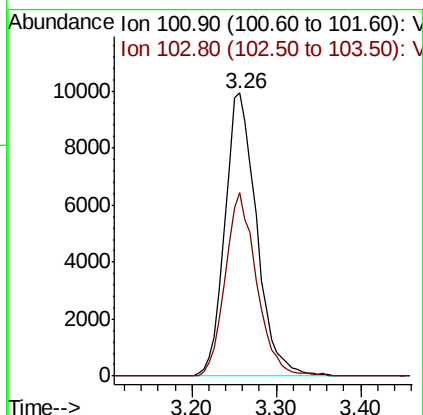
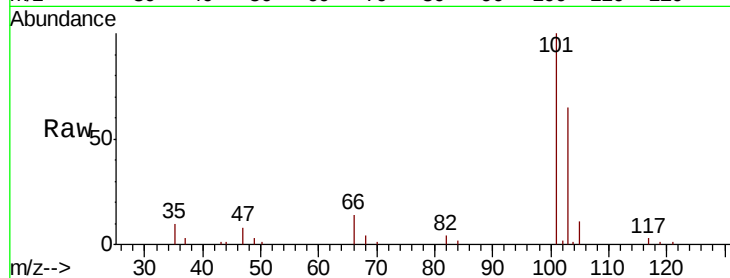


#7

Trichlorofluoromethane
 Concen: 19.542 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW007373.D
 Acq: 11 Dec 2018 00:05

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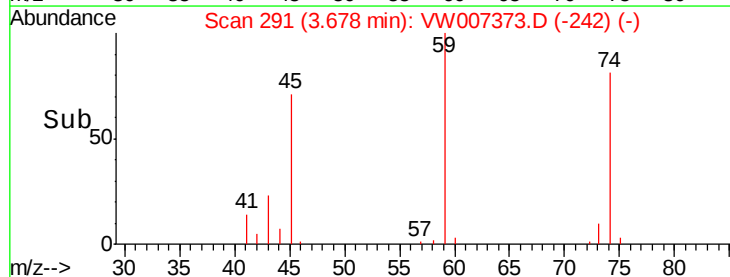
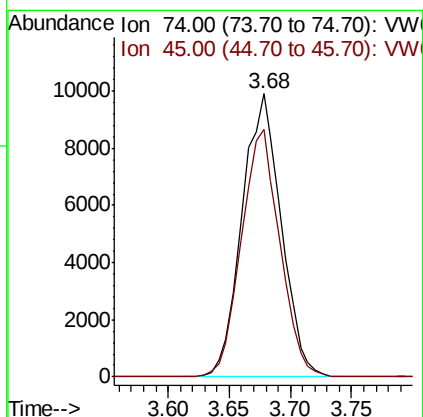
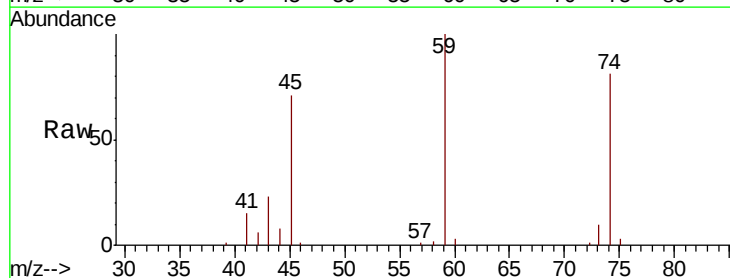
Tgt Ion: 101 Resp: 25443
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.7 77.5

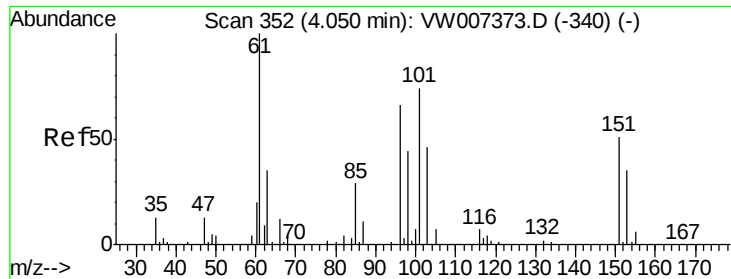


#8

Diethyl Ether
 Concen: 53.800 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW007373.D
 Acq: 11 Dec 2018 00:05

Tgt Ion: 74 Resp: 22011
 Ion Ratio Lower Upper
 74 100
 45 86.0 43.0 129.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.236 ug/l

RT: 4.05 min Scan# 352

Delta R.T. 0.00 min

Lab File: VW007373.D

Acq: 11 Dec 2018 00:05

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VSTDICCC050

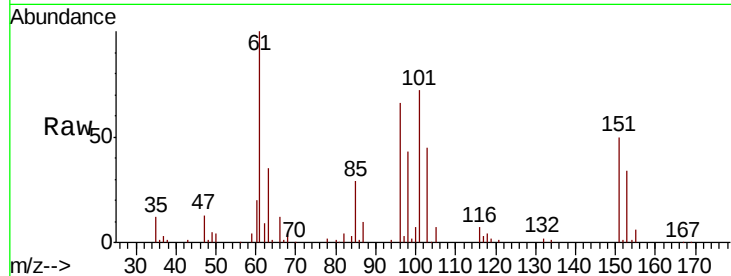
Tgt Ion:101 Resp: 43160

Ion Ratio Lower Upper

101 100

85 42.4 33.9 50.9

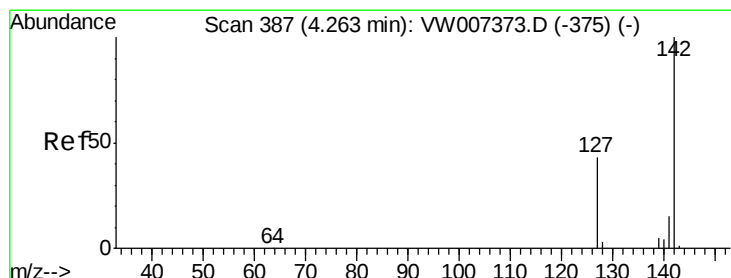
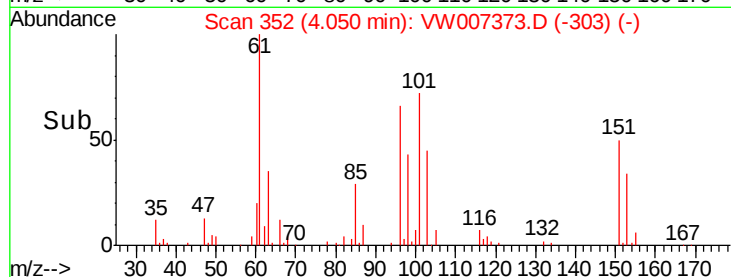
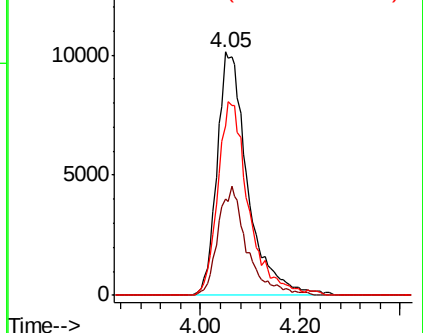
151 79.6 63.7 95.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 84.012 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW007373.D

Acq: 11 Dec 2018 00:05

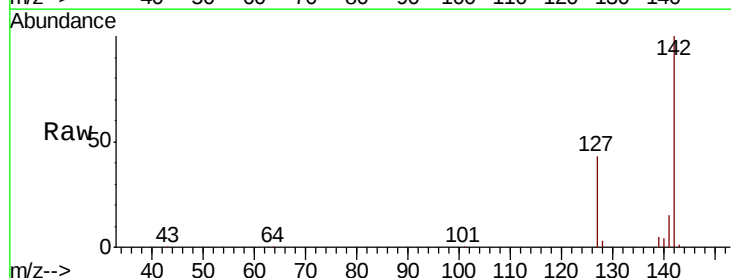
Tgt Ion:142 Resp: 72814

Ion Ratio Lower Upper

142 100

127 44.7 35.8 53.6

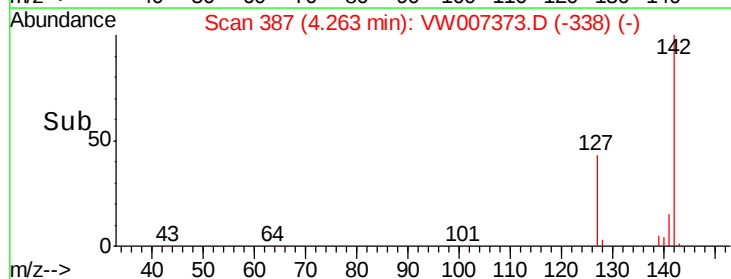
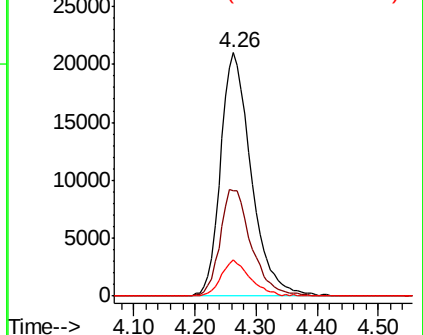
141 13.9 11.1 16.7

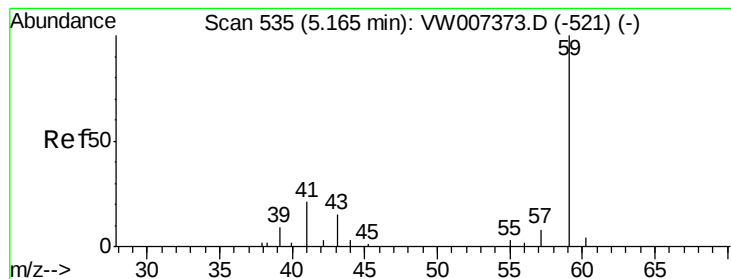


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



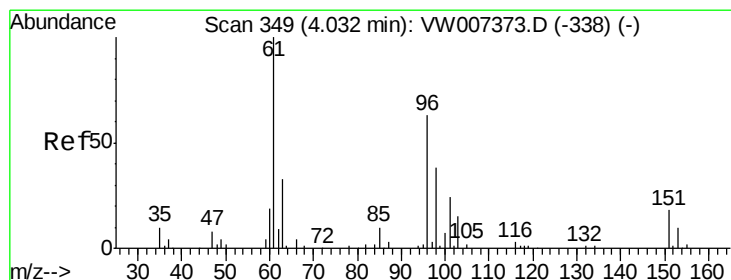
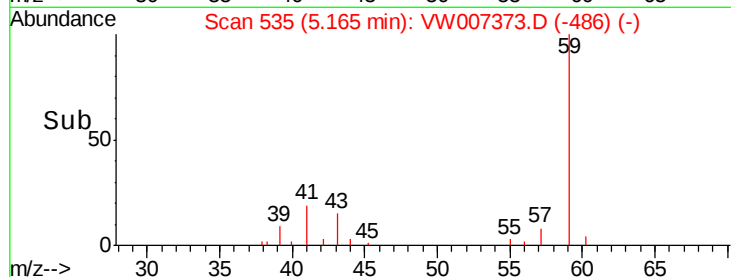
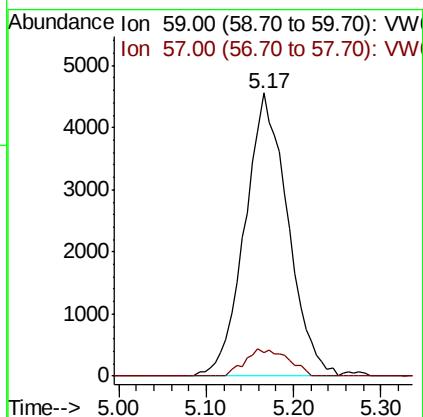
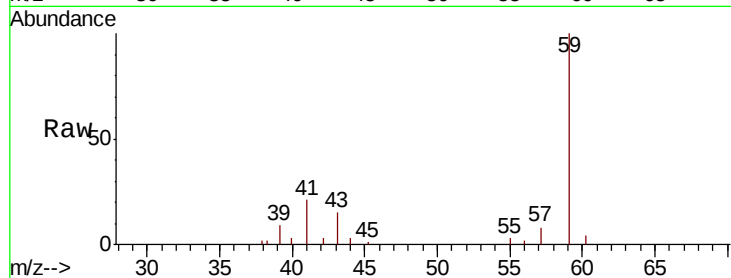


#11

Tert butyl alcohol
 Concen: 170.160 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VW007373.D
 Acq: 11 Dec 2018 00:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

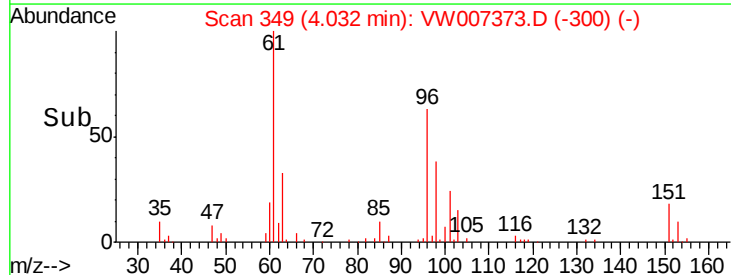
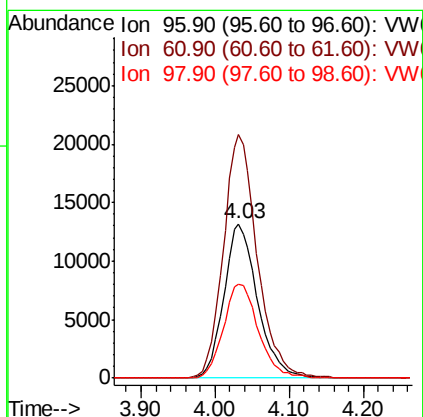
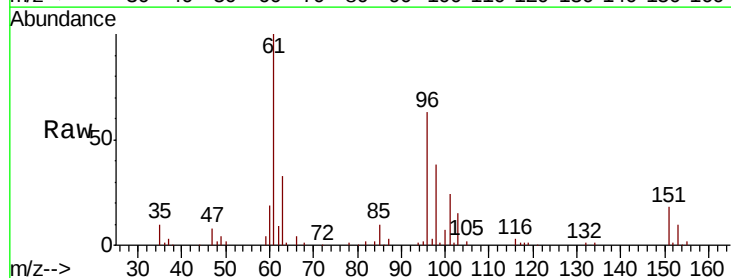
Tgt Ion: 59 Resp: 15575
 Ion Ratio Lower Upper
 59 100
 57 9.5 7.6 11.4

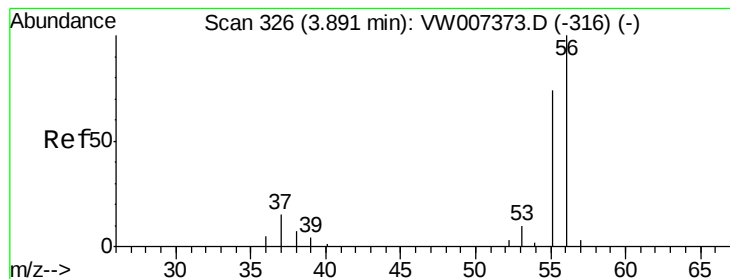


#12

1,1-Dichloroethene
 Concen: 50.289 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. 0.00 min
 Lab File: VW007373.D
 Acq: 11 Dec 2018 00:05

Tgt Ion: 96 Resp: 41571
 Ion Ratio Lower Upper
 96 100
 61 157.7 126.2 189.2
 98 60.4 48.3 72.5





#13

Acrolein

Concen: 196.581 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW007373.D

Acq: 11 Dec 2018 00:05

Instrument :

MSVOA_W

ClientSampleId :

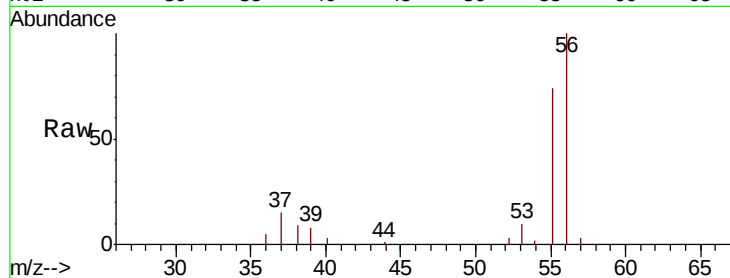
VSTDICCC050

Tgt Ion: 56 Resp: 10550

Ion Ratio Lower Upper

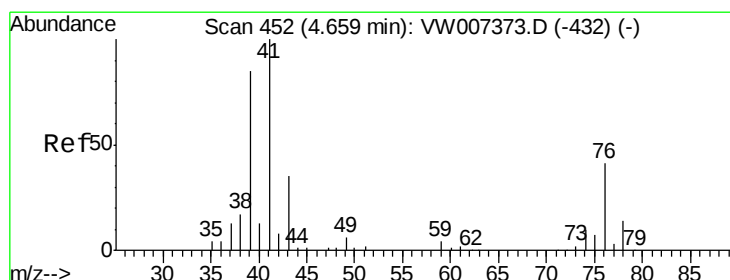
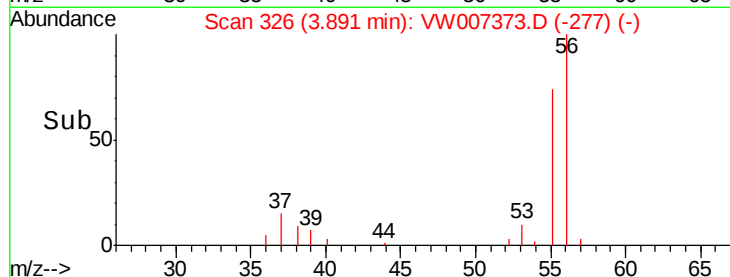
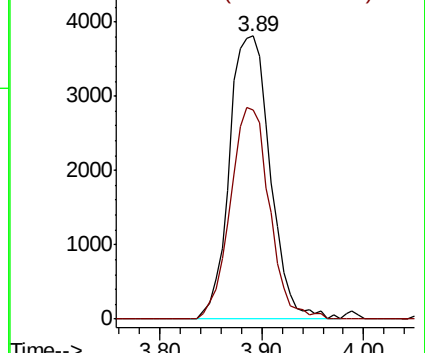
56 100

55 71.8 57.4 86.2



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 47.364 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW007373.D

Acq: 11 Dec 2018 00:05

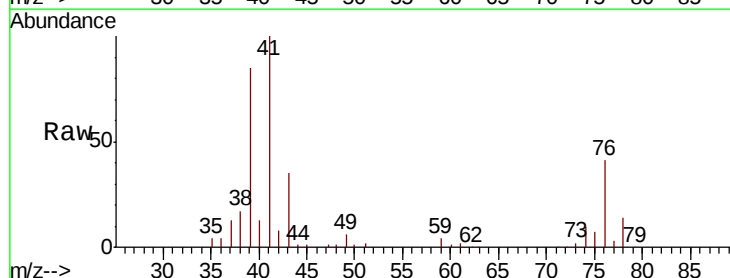
Tgt Ion: 41 Resp: 61726

Ion Ratio Lower Upper

41 100

39 79.3 63.4 95.2

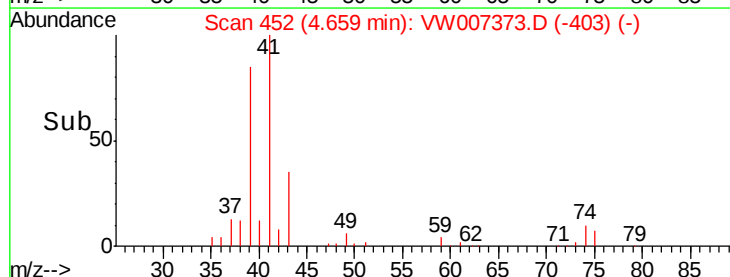
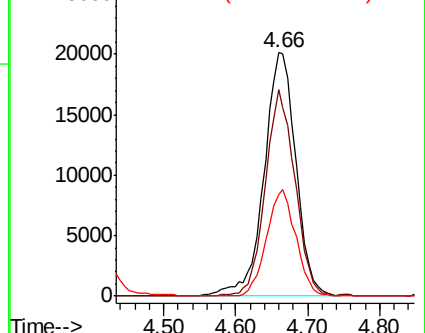
76 40.1 32.1 48.1

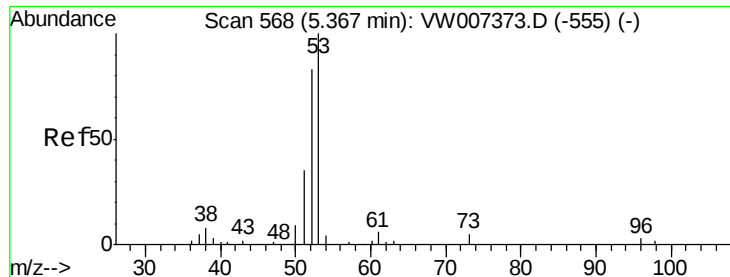


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 264.106 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW007373.D

Acq: 11 Dec 2018 00:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

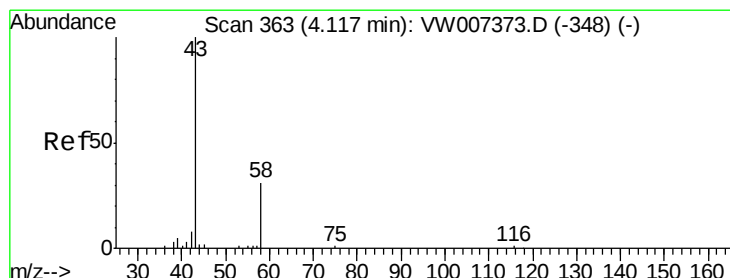
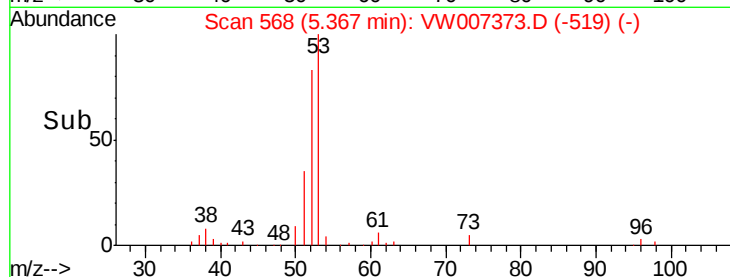
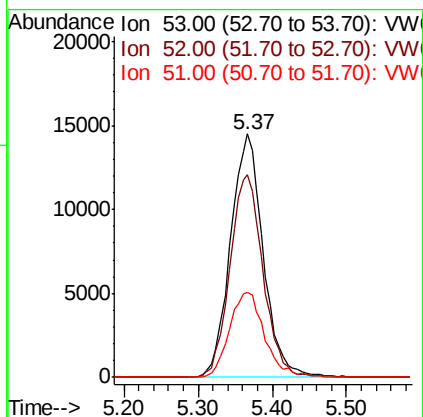
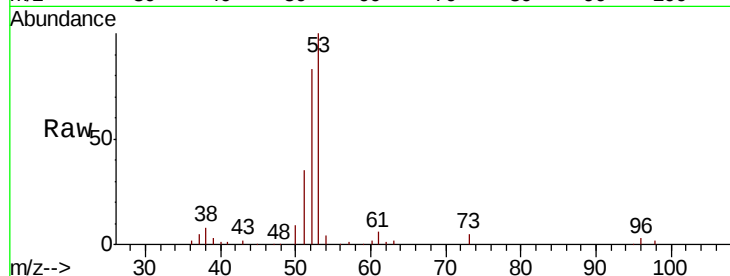
Tgt Ion: 53 Resp: 44489

Ion Ratio Lower Upper

53 100

52 84.3 67.4 101.2

51 37.7 30.2 45.2



#16

Acetone

Concen: 237.178 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW007373.D

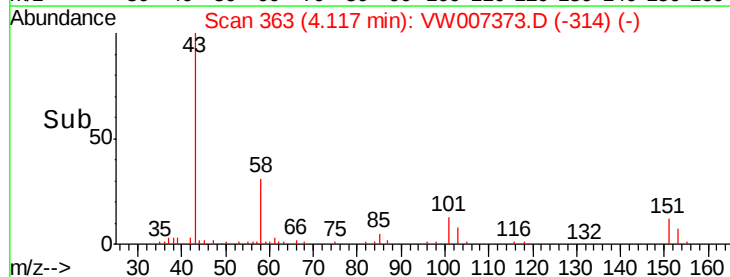
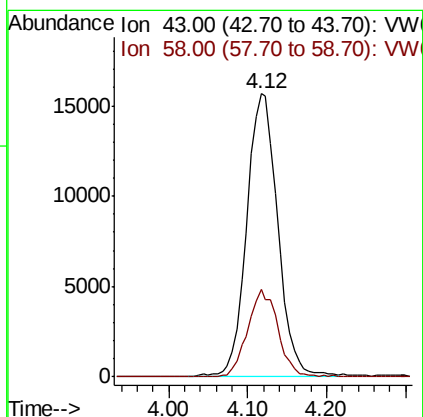
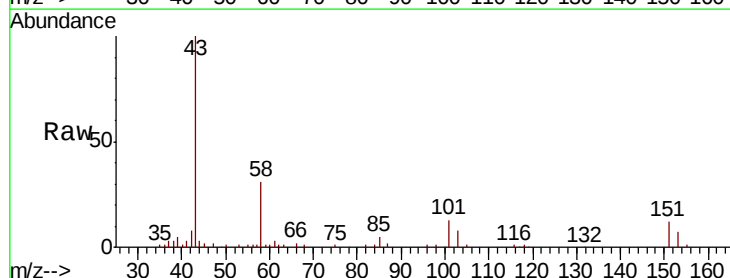
Acq: 11 Dec 2018 00:05

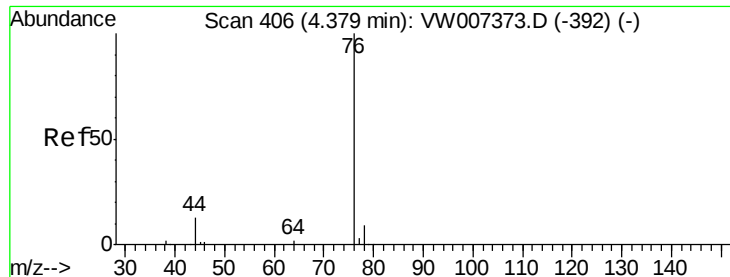
Tgt Ion: 43 Resp: 42931

Ion Ratio Lower Upper

43 100

58 31.1 24.9 37.3

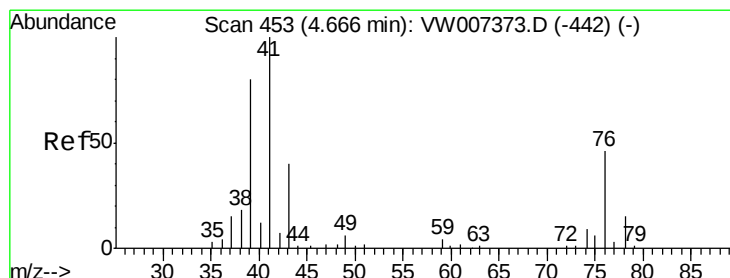
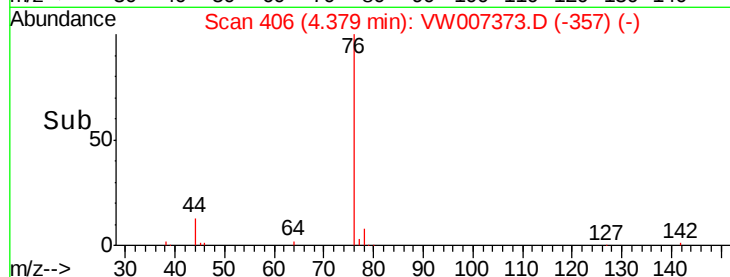
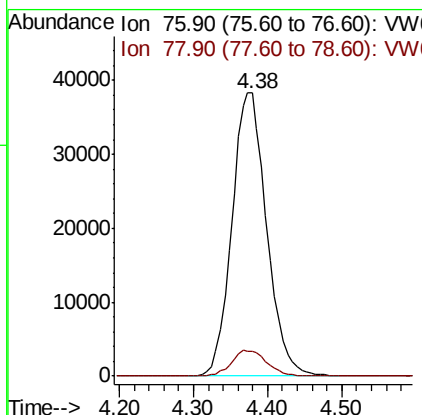
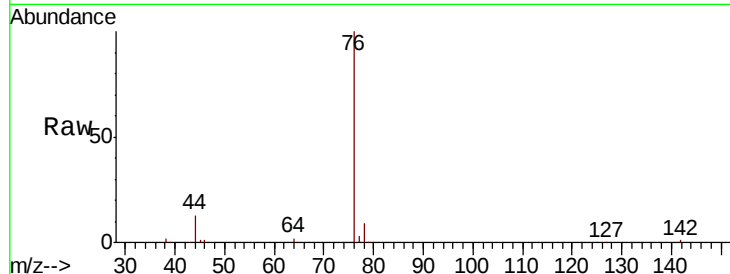




#17
Carbon Disulfide
Concen: 46.714 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW007373.D
Acq: 11 Dec 2018 00:05

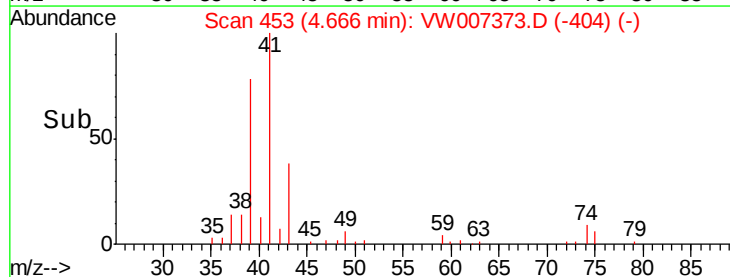
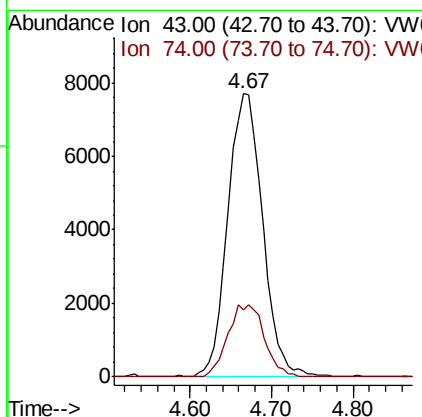
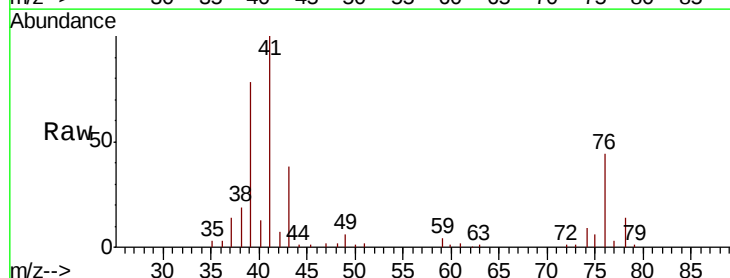
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

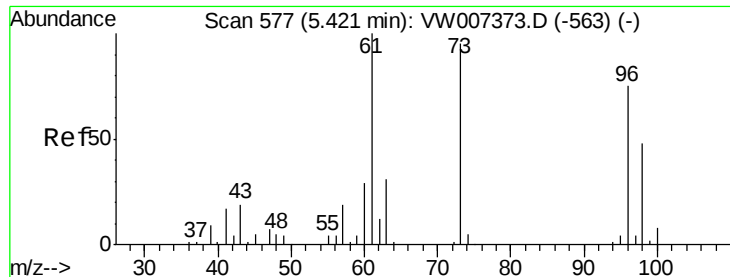
Tgt Ion: 76 Resp: 124638
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7



#18
Methyl Acetate
Concen: 52.523 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW007373.D
Acq: 11 Dec 2018 00:05

Tgt Ion: 43 Resp: 22812
Ion Ratio Lower Upper
43 100
74 26.4 21.1 31.7

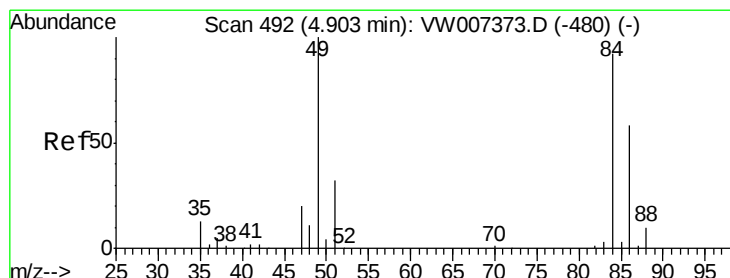
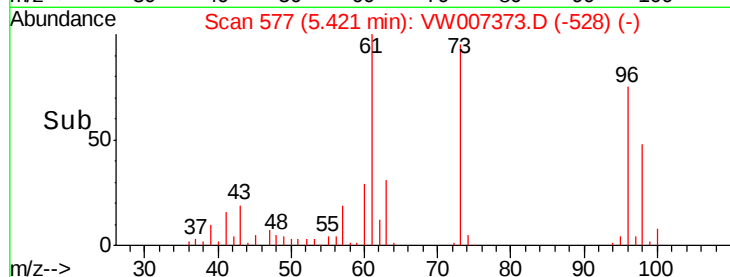
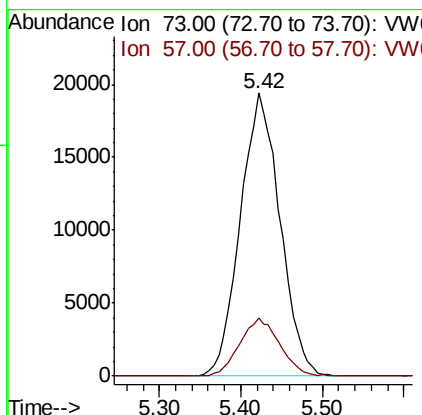
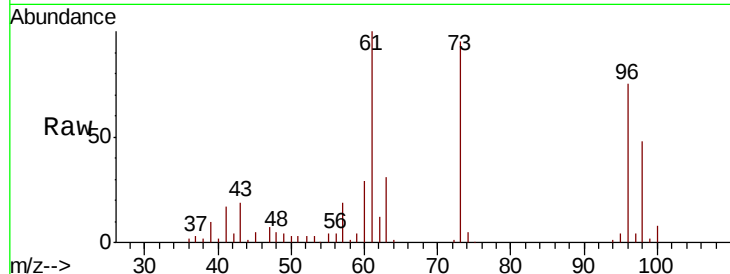




#19
Methyl tert-butyl Ether
Concen: 36.070 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW007373.D
Acq: 11 Dec 2018 00:05

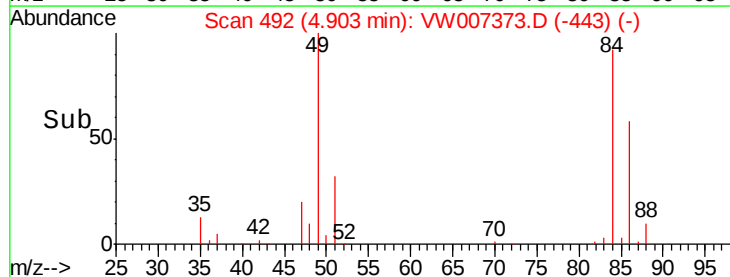
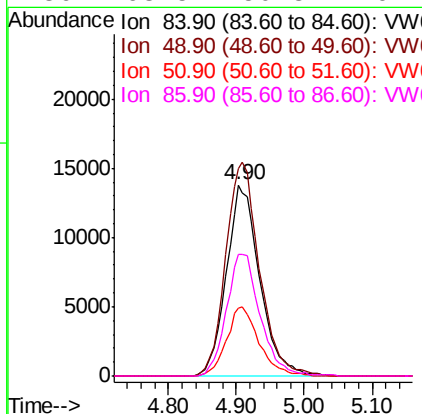
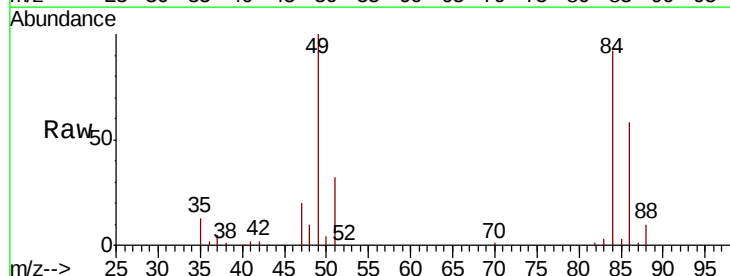
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

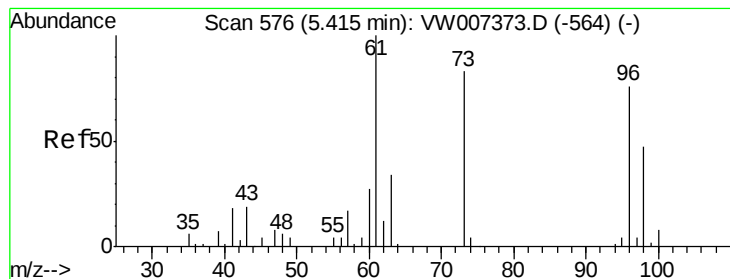
Tgt Ion: 73 Resp: 65523
Ion Ratio Lower Upper
73 100
57 20.5 16.4 24.6



#20
Methylene Chloride
Concen: 41.989 ug/l
RT: 4.90 min Scan# 492
Delta R.T. 0.00 min
Lab File: VW007373.D
Acq: 11 Dec 2018 00:05

Tgt Ion: 84 Resp: 46935
Ion Ratio Lower Upper
84 100
49 108.9 87.1 130.7
51 35.2 28.2 42.2
86 63.5 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 51.345 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW007373.D

Acq: 11 Dec 2018 00:05

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

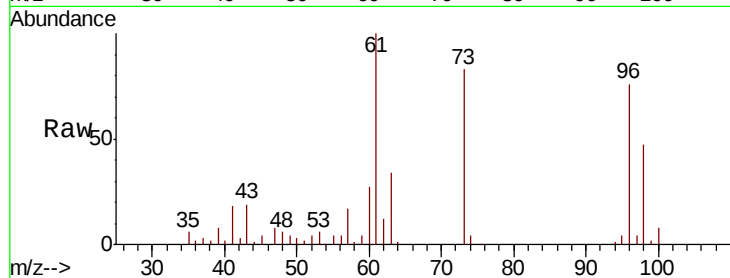
Tgt Ion: 96 Resp: 47385

Ion Ratio Lower Upper

96 100

61 131.3 105.0 157.6

98 62.1 49.7 74.5

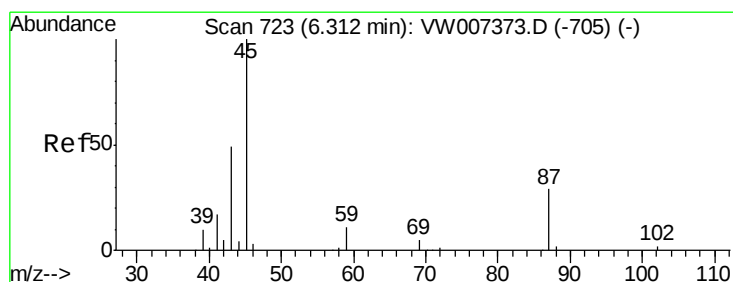
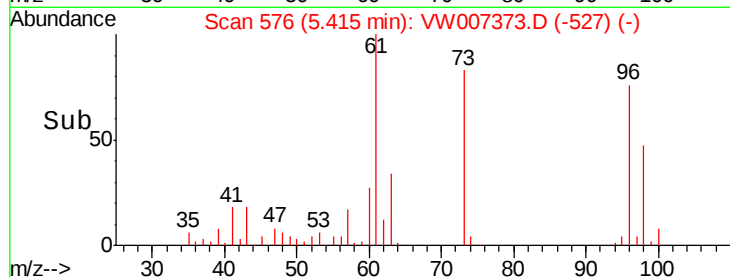
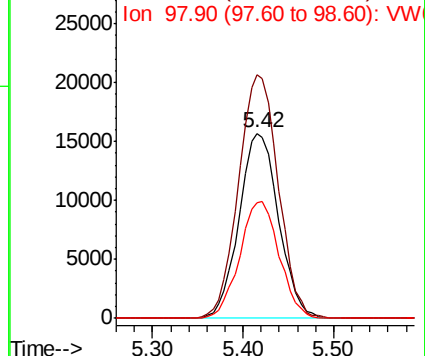


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 52.035 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW007373.D

Acq: 11 Dec 2018 00:05

Tgt Ion: 45 Resp: 122669

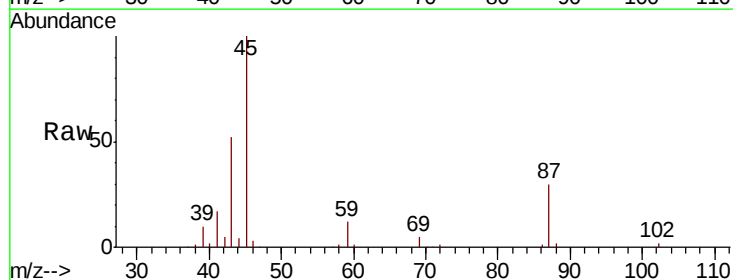
Ion Ratio Lower Upper

45 100

43 52.0 41.6 62.4

87 30.4 24.3 36.5

59 11.7 9.4 14.0



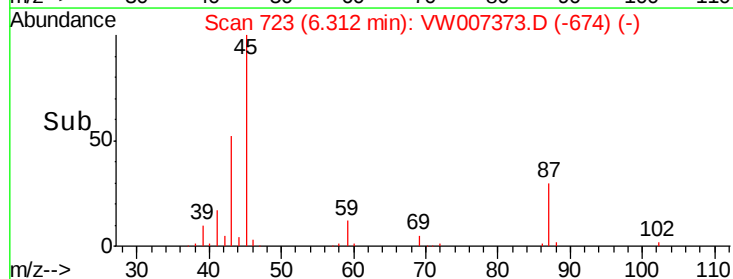
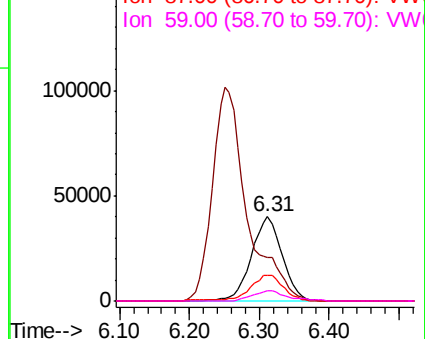
Abundance

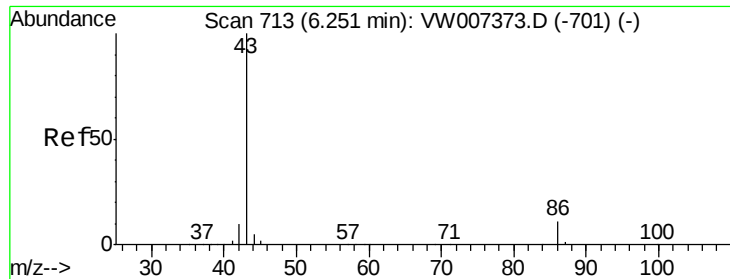
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 270.161 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW007373.D

Acq: 11 Dec 2018 00:05

Instrument :

MSVOA_W

ClientSampleId :

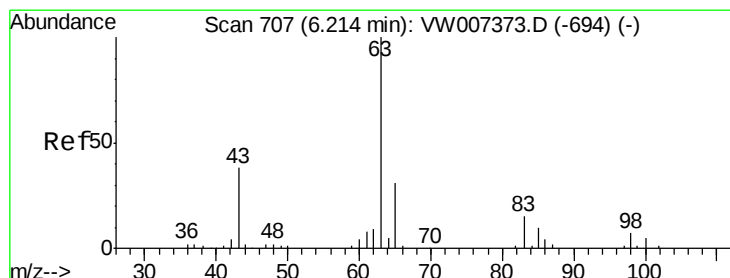
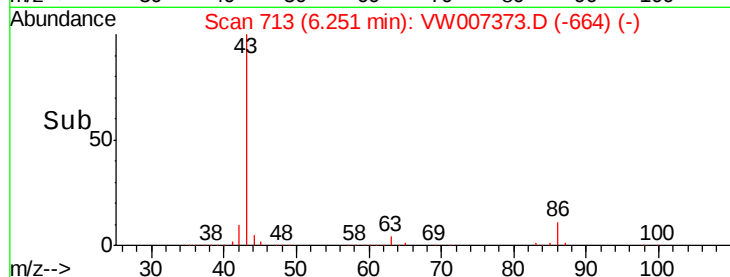
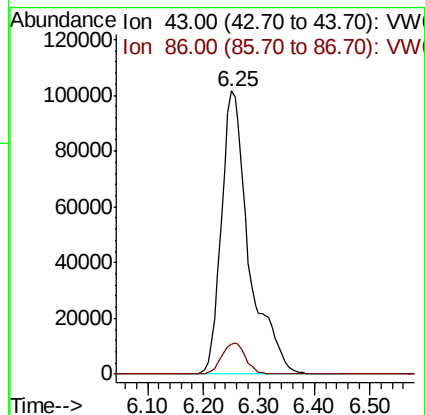
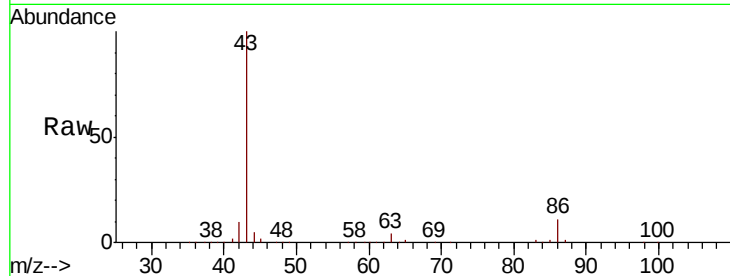
VSTDICCC050

Tgt Ion: 43 Resp: 349085

Ion Ratio Lower Upper

43 100

86 10.7 8.6 12.8



#24

1,1-Dichloroethane

Concen: 53.013 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW007373.D

Acq: 11 Dec 2018 00:05

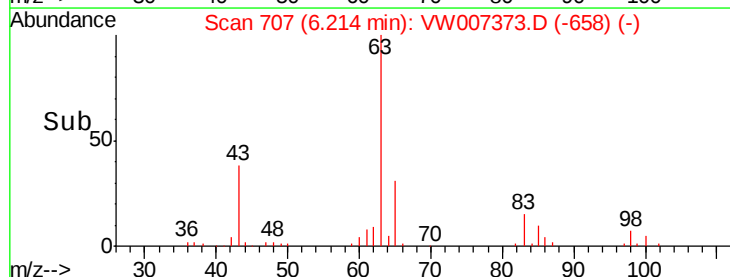
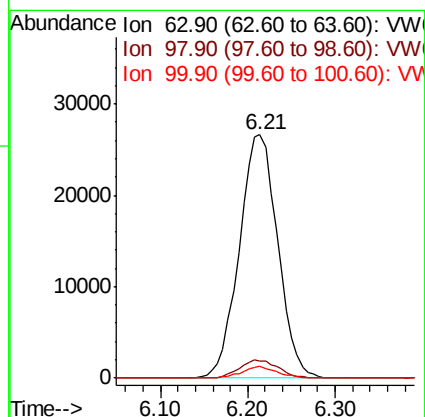
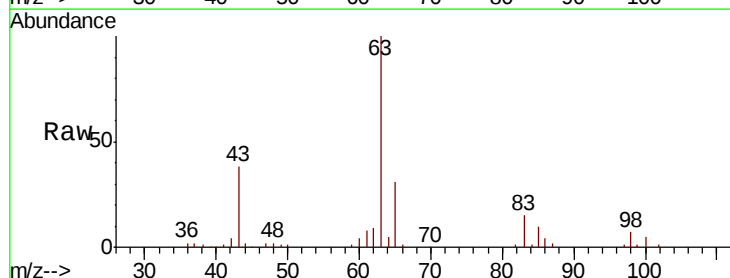
Tgt Ion: 63 Resp: 81234

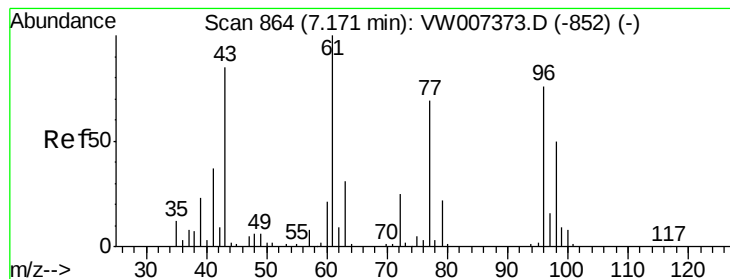
Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.4

100 5.0 2.5 7.5





#25

2-Butanone

Concen: 261.825 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007373.D

Acq: 11 Dec 2018 00:05

Instrument :

MSVOA_W

ClientSampleId :

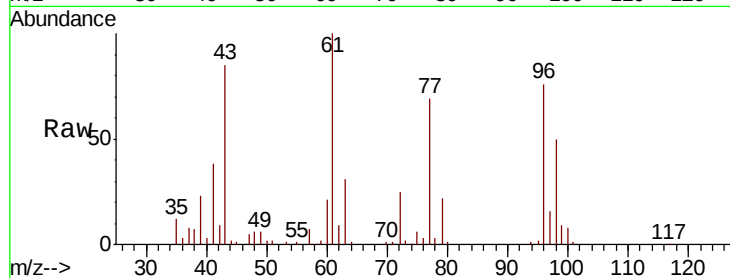
VSTDICCC050

Tgt Ion: 43 Resp: 56890

Ion Ratio Lower Upper

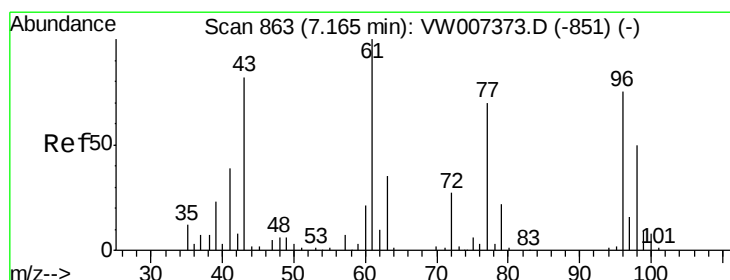
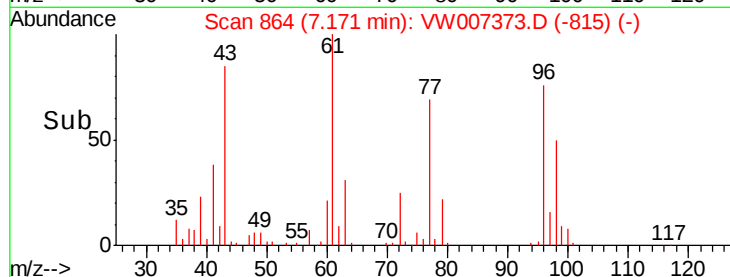
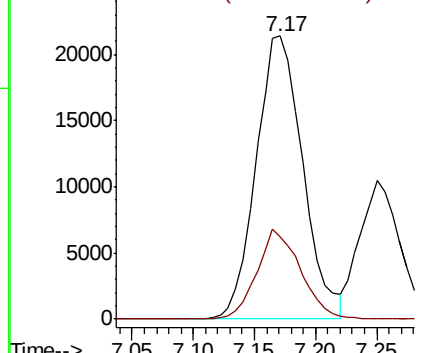
43 100

72 29.3 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 38.077 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW007373.D

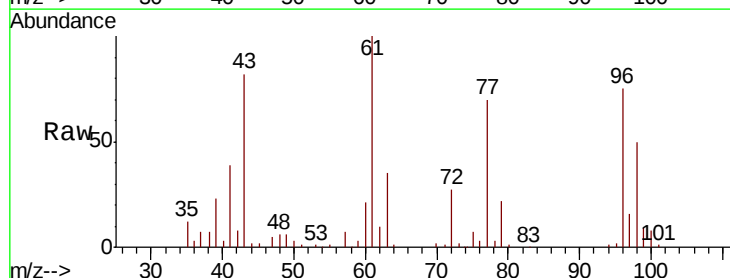
Acq: 11 Dec 2018 00:05

Tgt Ion: 77 Resp: 52977

Ion Ratio Lower Upper

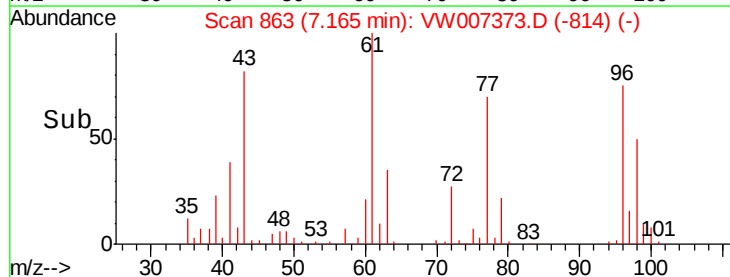
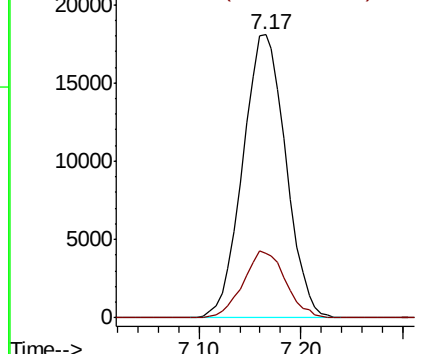
77 100

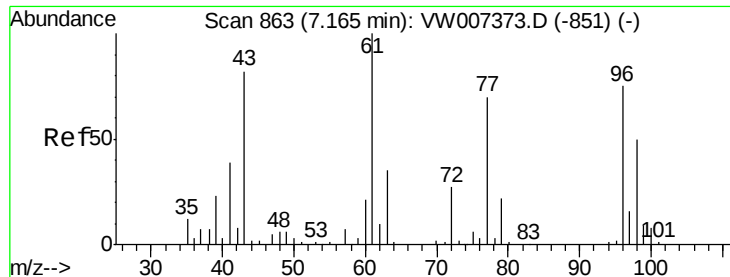
97 23.2 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



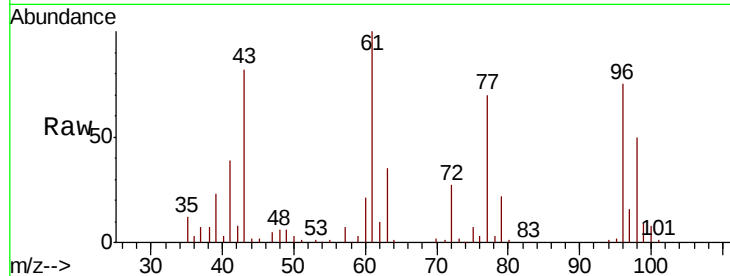


#27

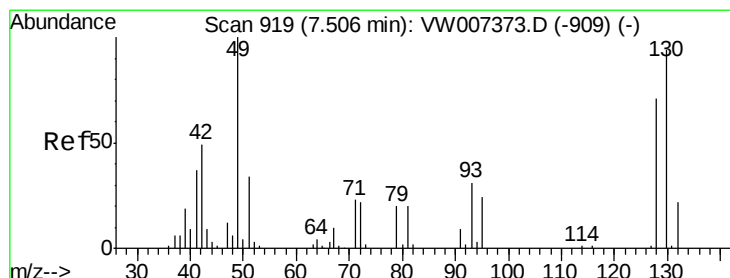
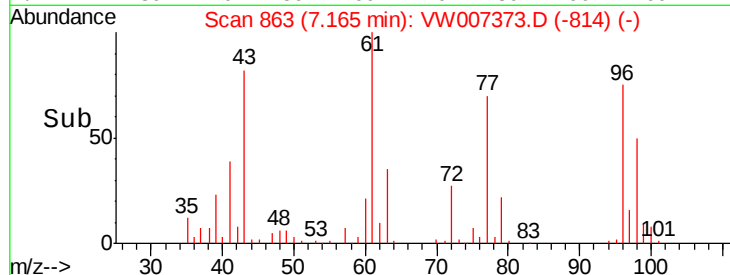
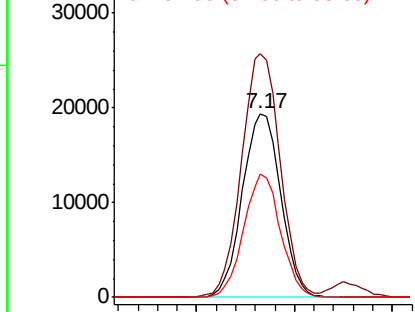
cis-1,2-Dichloroethene
Concen: 53.129 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW007373.D
Acq: 11 Dec 2018 00:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 52855
Ion Ratio Lower Upper
96 100
61 134.2 0.0 268.4
98 63.9 0.0 127.8



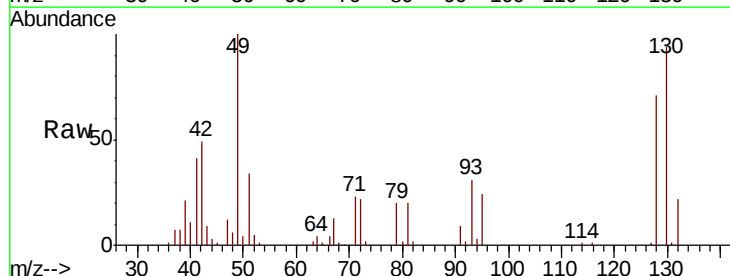
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



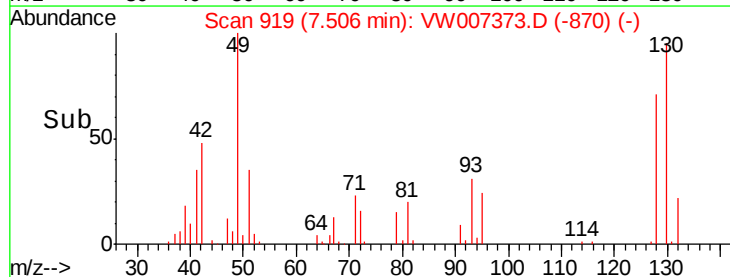
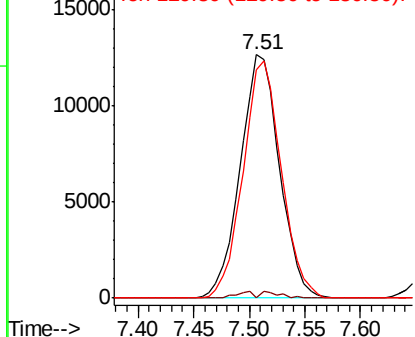
#28

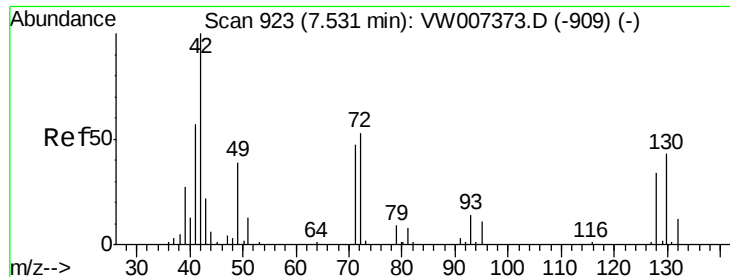
Bromochloromethane
Concen: 55.225 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW007373.D
Acq: 11 Dec 2018 00:05

Tgt Ion: 49 Resp: 30971
Ion Ratio Lower Upper
49 100
129 1.3 0.0 2.6
130 94.9 75.9 113.9



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

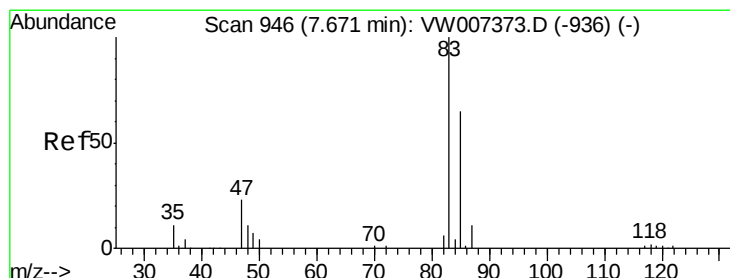
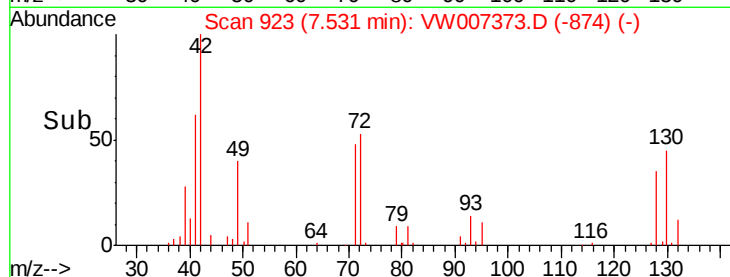
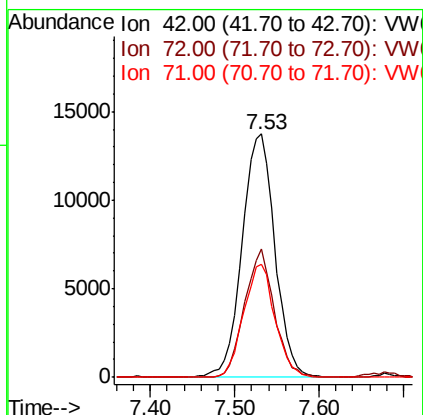
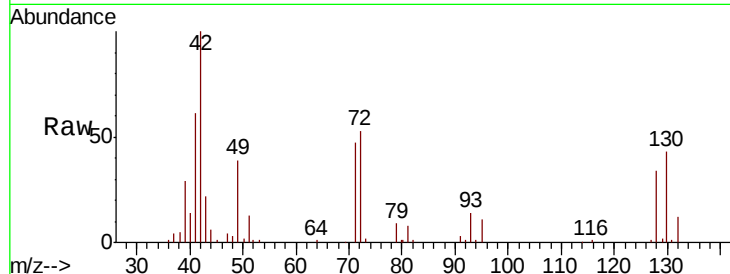




#29
Tetrahydrofuran
Concen: 267.373 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW007373.D
Acq: 11 Dec 2018 00:05

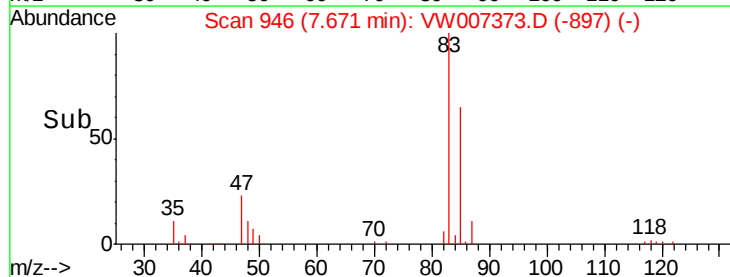
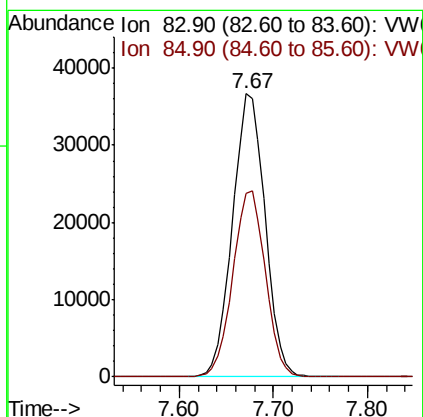
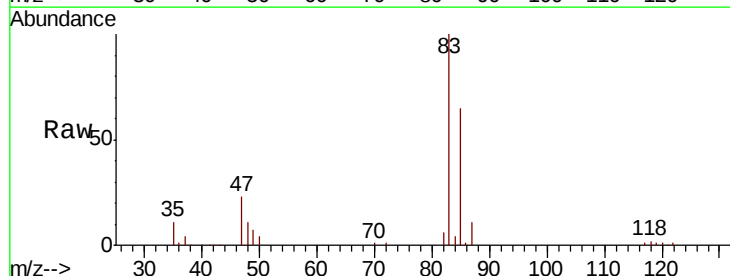
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

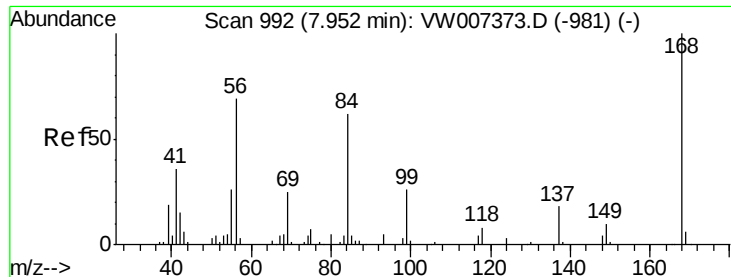
Tgt Ion: 42 Resp: 36302
Ion Ratio Lower Upper
42 100
72 47.8 38.2 57.4
71 44.4 35.5 53.3



#30
Chloroform
Concen: 55.058 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW007373.D
Acq: 11 Dec 2018 00:05

Tgt Ion: 83 Resp: 88543
Ion Ratio Lower Upper
83 100
85 64.8 51.8 77.8

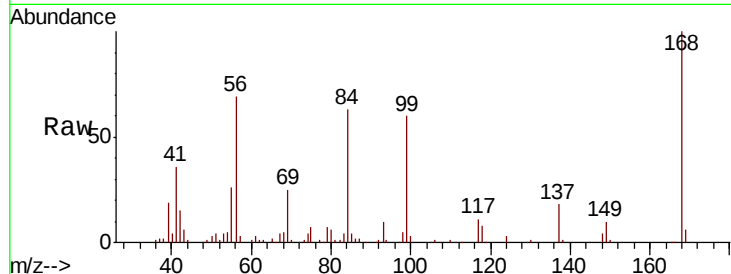




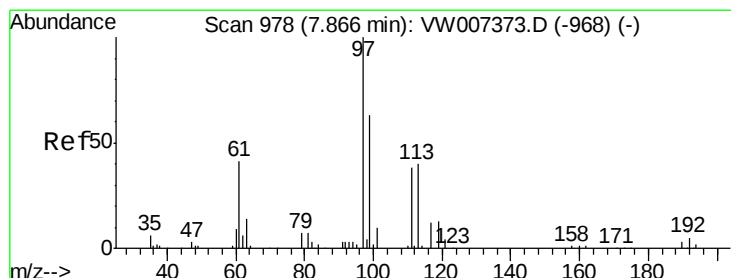
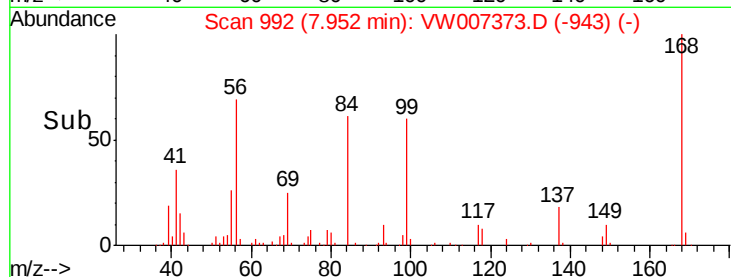
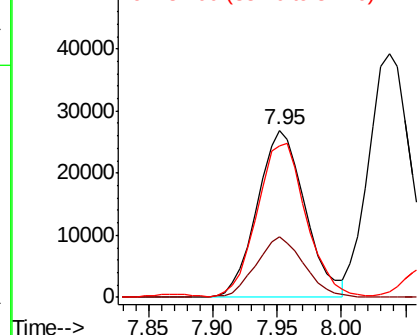
#31
Cyclohexane
Concen: 44.640 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW007373.D
Acq: 11 Dec 2018 00:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 69616
Ion Ratio Lower Upper
56 100
69 36.1 28.9 43.3
84 89.7 71.8 107.6

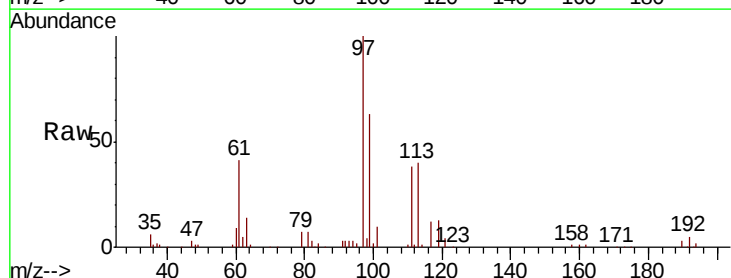


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

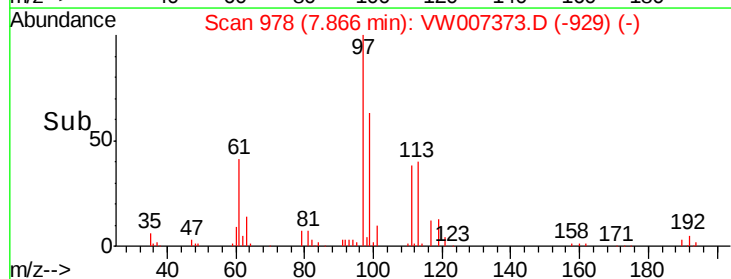
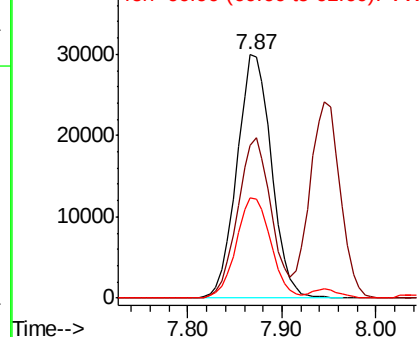


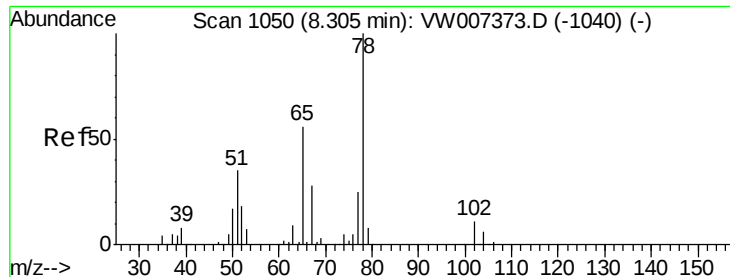
#32
1,1,1-Trichloroethane
Concen: 51.445 ug/l
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW007373.D
Acq: 11 Dec 2018 00:05

Tgt Ion: 97 Resp: 76459
Ion Ratio Lower Upper
97 100
99 63.9 51.1 76.7
61 41.5 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: 59.972 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW007373.D

Acq: 11 Dec 2018 00:05

Instrument :

MSVOA_W

ClientSampleId :

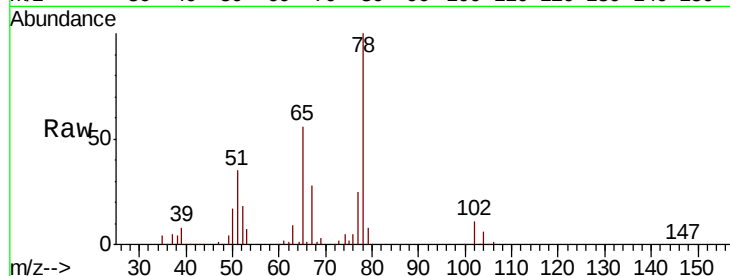
VSTDICCC050

Tgt Ion: 65 Resp: 49806

Ion Ratio Lower Upper

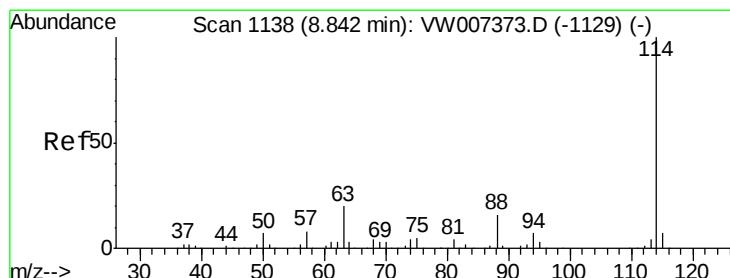
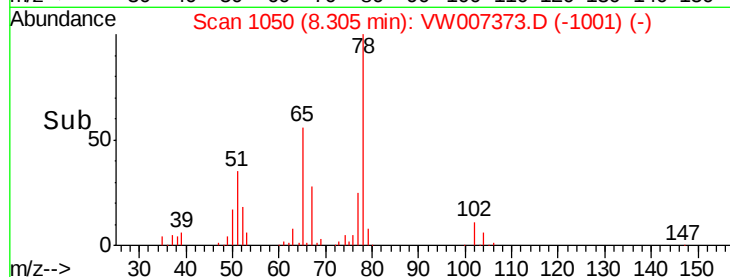
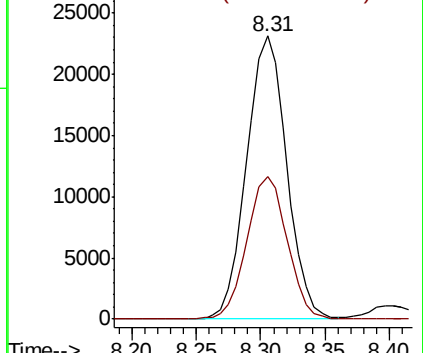
65 100

67 50.8 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW007373.D

Acq: 11 Dec 2018 00:05

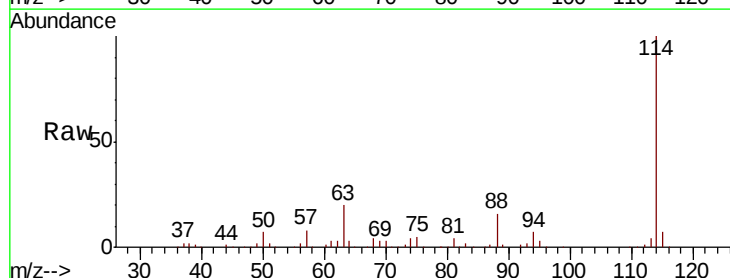
Tgt Ion: 114 Resp: 146830

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.6

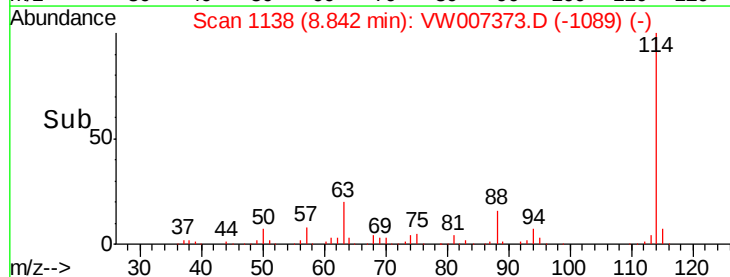
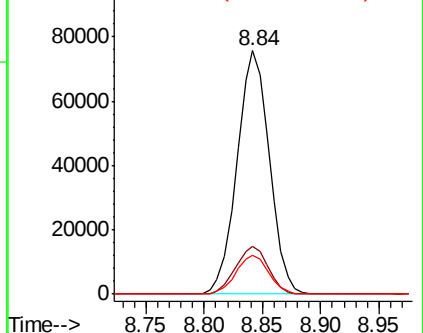
88 15.7 0.0 31.4

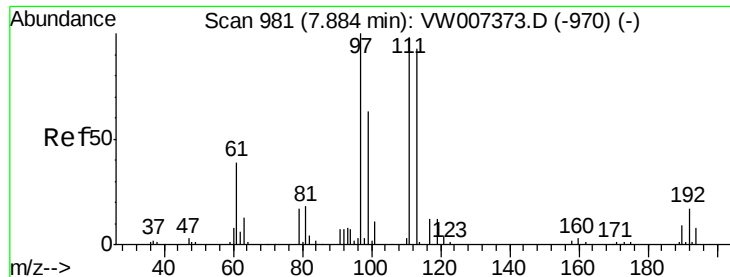


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

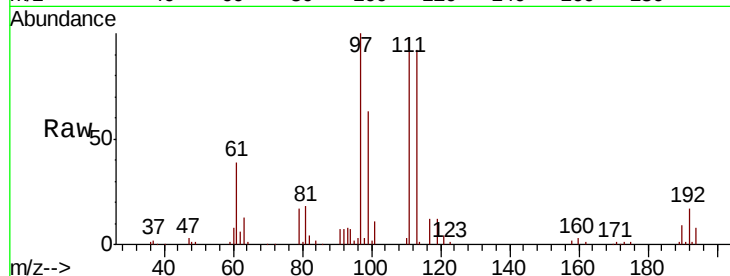




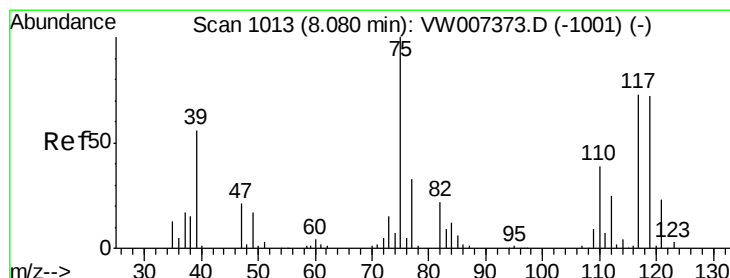
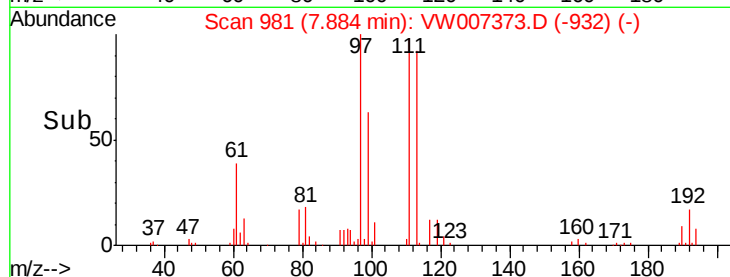
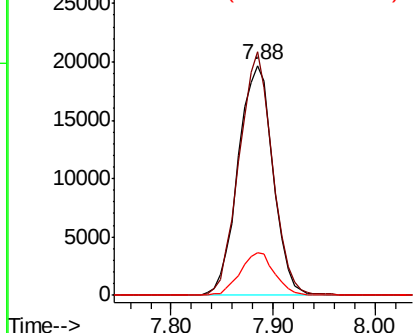
#35
 Dibromofluoromethane
 Concen: 54.736 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW007373.D
 Acq: 11 Dec 2018 00:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 113 Resp: 46772
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.1 121.7
 192 18.2 14.6 21.8

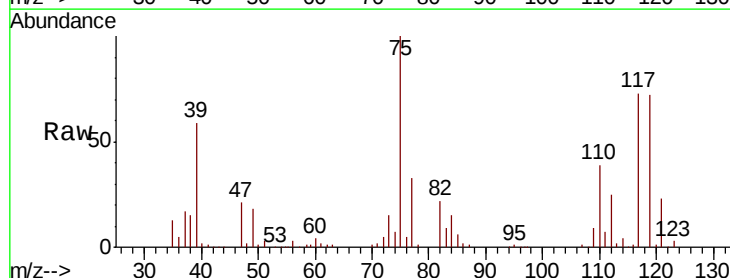


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

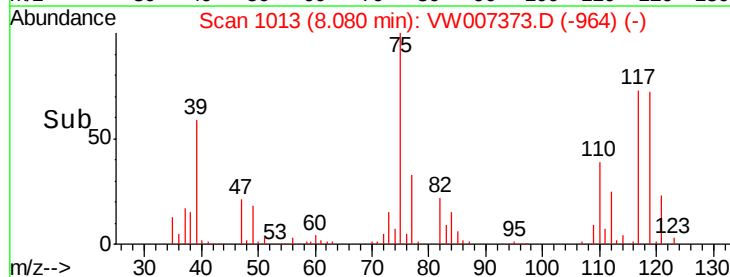
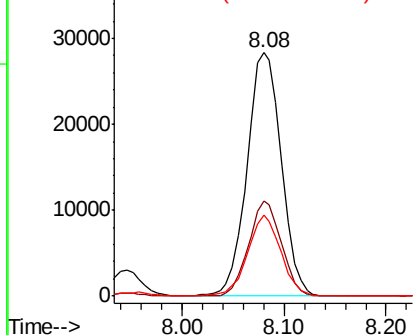


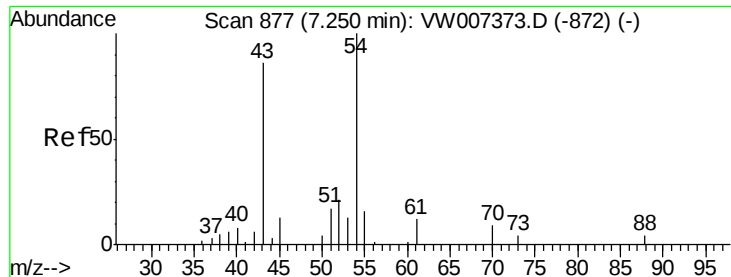
#36
 1,1-Dichloropropene
 Concen: 47.279 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW007373.D
 Acq: 11 Dec 2018 00:05

Tgt Ion: 75 Resp: 66479
 Ion Ratio Lower Upper
 75 100
 110 37.0 18.5 55.5
 77 32.0 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

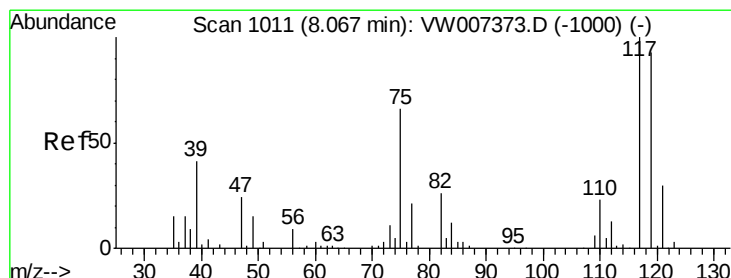
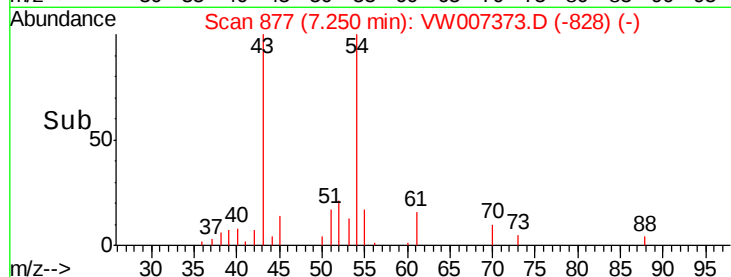
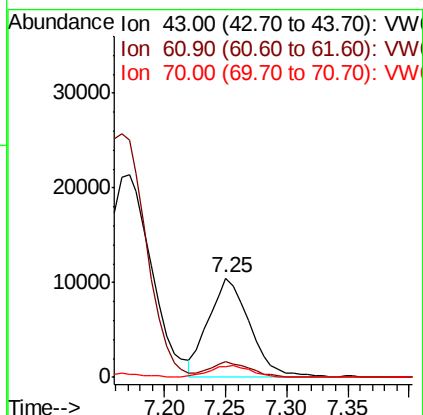
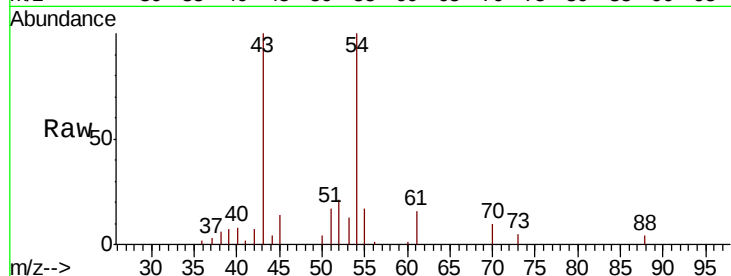




#37
Ethyl Acetate
Concen: 47.690 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW007373.D
Acq: 11 Dec 2018 00:05

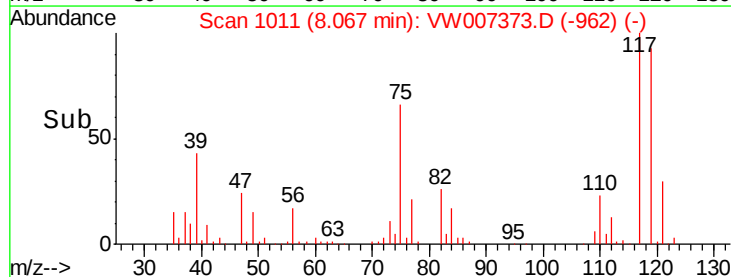
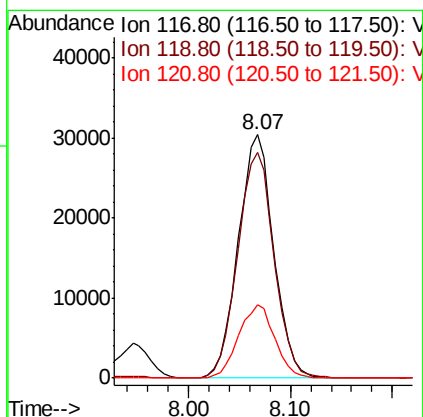
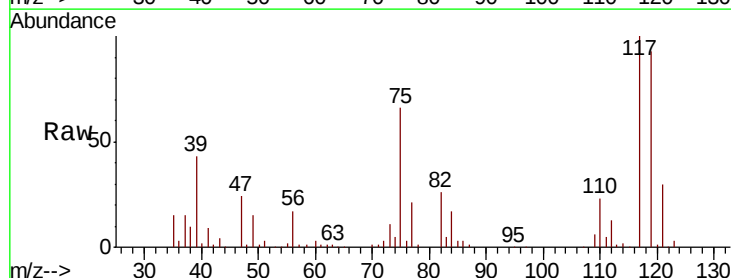
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

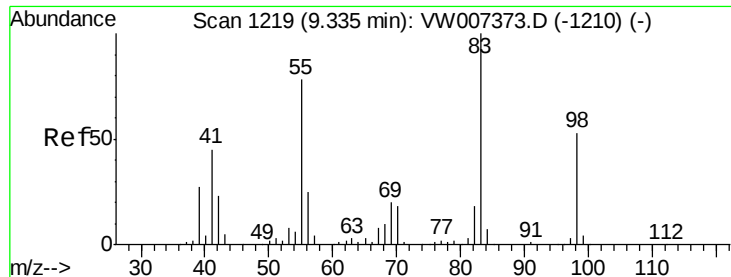
Tgt Ion: 43 Resp: 24270
Ion Ratio Lower Upper
43 100
61 15.1 12.1 18.1
70 12.5 10.0 15.0



#38
Carbon Tetrachloride
Concen: 50.246 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW007373.D
Acq: 11 Dec 2018 00:05

Tgt Ion: 117 Resp: 73280
Ion Ratio Lower Upper
117 100
119 92.9 74.3 111.5
121 30.4 24.3 36.5

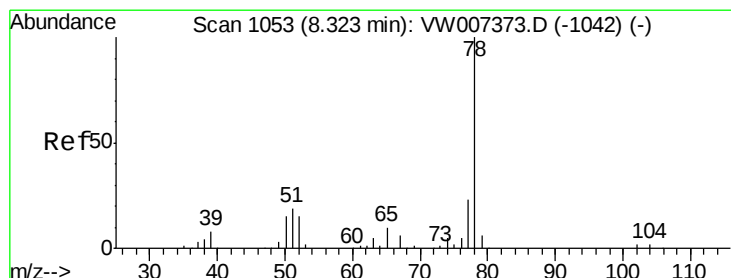
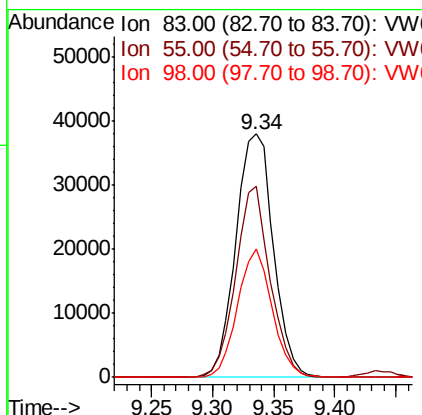
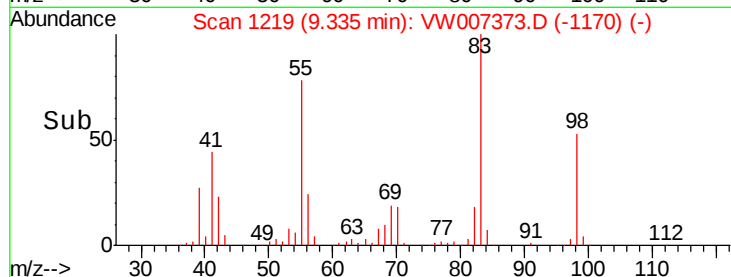
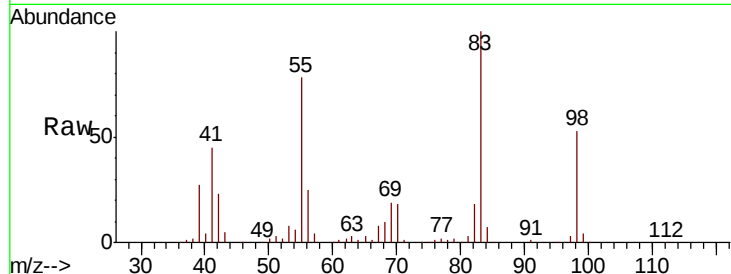




#39
Methylcyclohexane
Concen: 43.350 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW007373.D
Acq: 11 Dec 2018 00:05

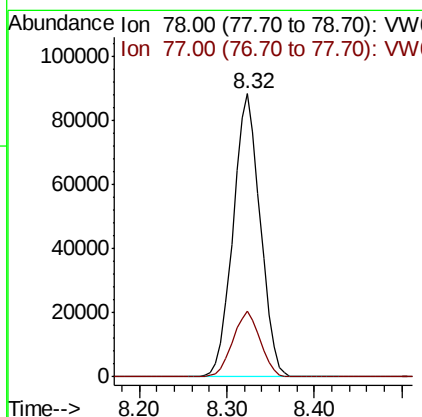
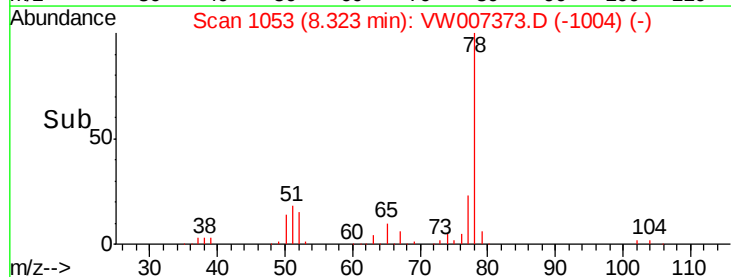
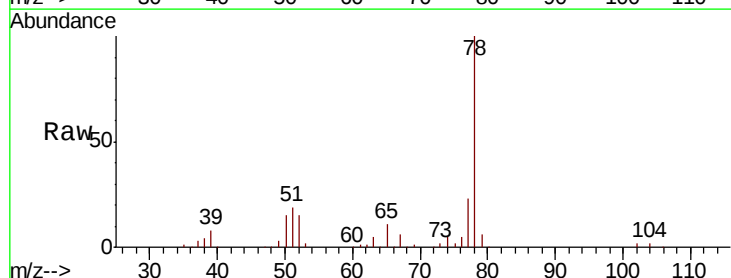
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

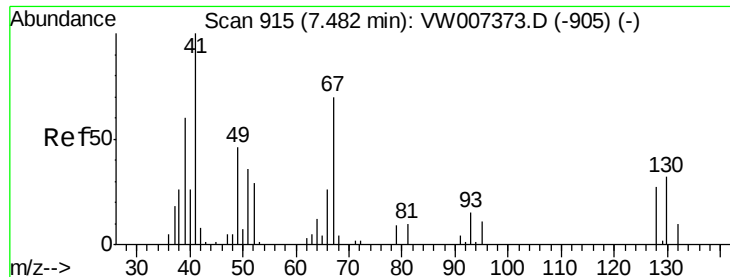
Tgt Ion: 83 Resp: 80709
Ion Ratio Lower Upper
83 100
55 78.5 62.8 94.2
98 52.7 42.2 63.2



#40
Benzene
Concen: 48.999 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW007373.D
Acq: 11 Dec 2018 00:05

Tgt Ion: 78 Resp: 190307
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2

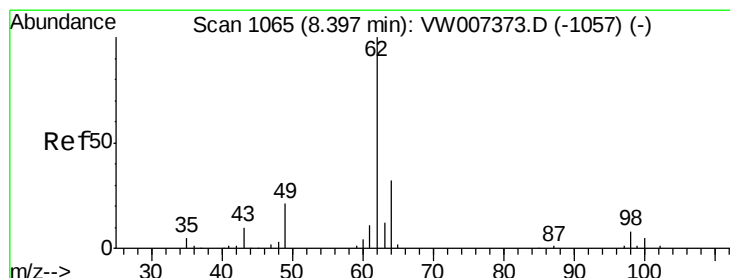
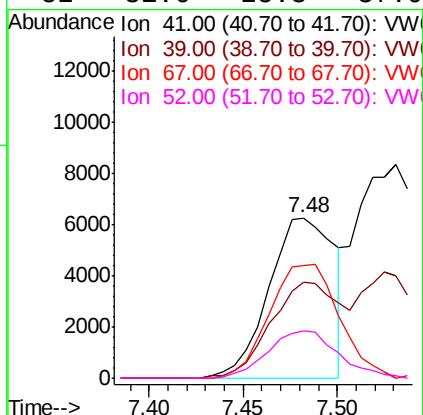
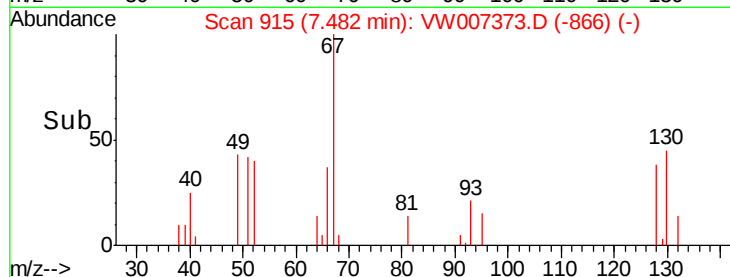
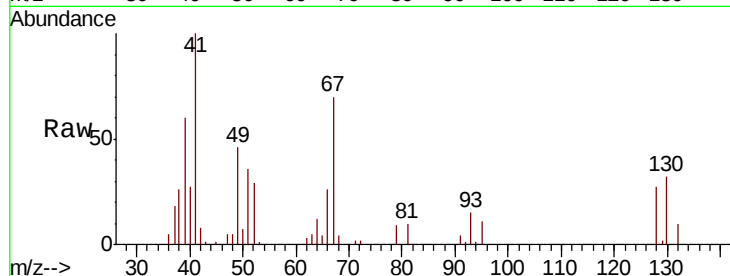




#41
Methacrylonitrile
Concen: 49.882 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW007373.D
Acq: 11 Dec 2018 00:05

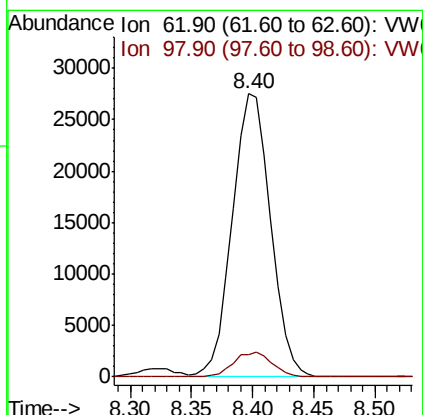
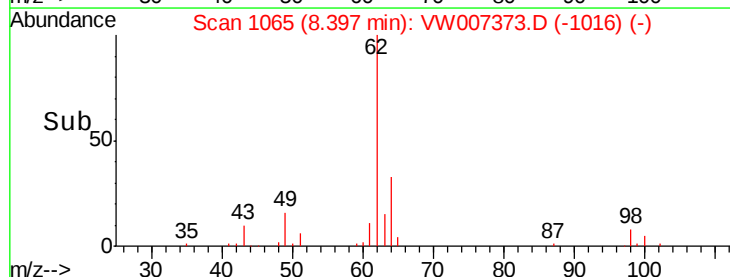
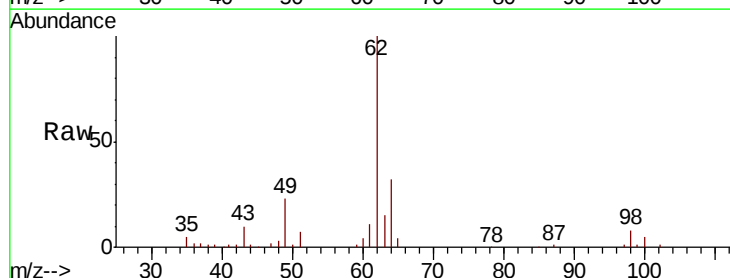
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

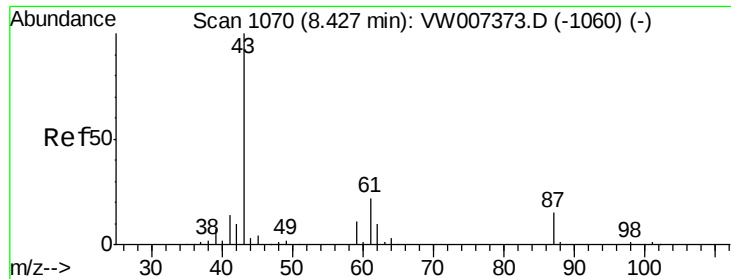
Tgt Ion: 41 Resp: 15146
Ion Ratio Lower Upper
41 100
39 65.2 52.2 78.2
67 75.6 60.5 90.7
52 31.6 25.3 37.9



#42
1,2-Dichloroethane
Concen: 53.812 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW007373.D
Acq: 11 Dec 2018 00:05

Tgt Ion: 62 Resp: 59813
Ion Ratio Lower Upper
62 100
98 8.8 0.0 17.6





#43

Isopropyl Acetate

Concen: 51.149 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW007373.D

Acq: 11 Dec 2018 00:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

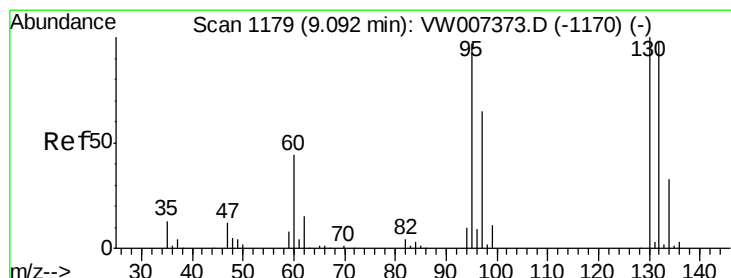
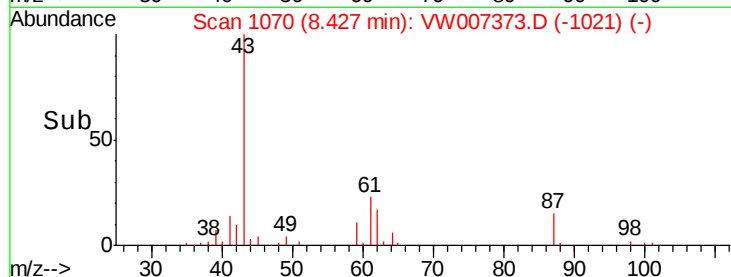
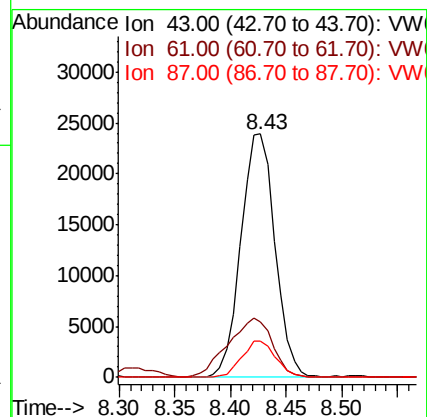
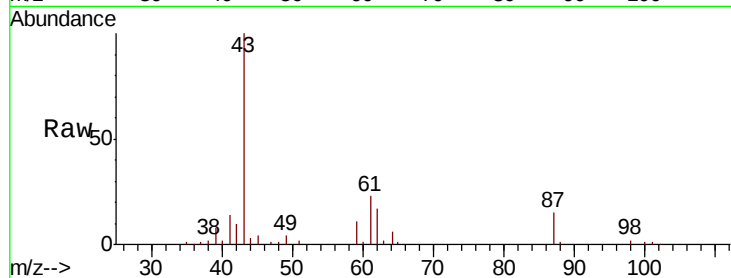
Tgt Ion: 43 Resp: 50989

Ion Ratio Lower Upper

43 100

61 31.6 25.3 37.9

87 14.8 11.8 17.8



#44

Trichloroethene

Concen: 48.654 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW007373.D

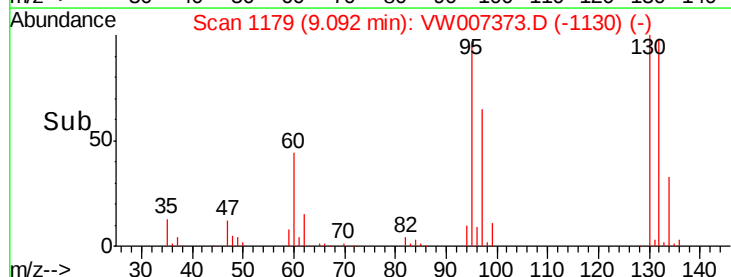
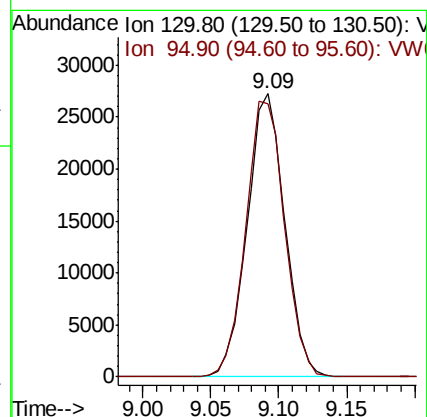
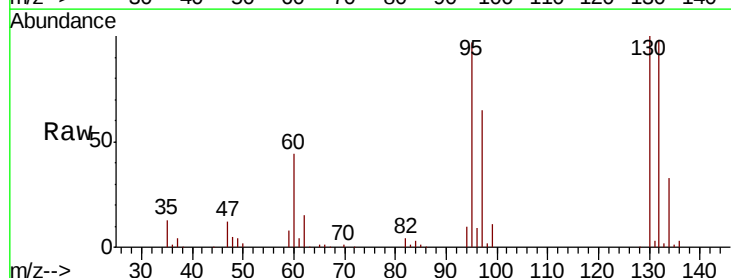
Acq: 11 Dec 2018 00:05

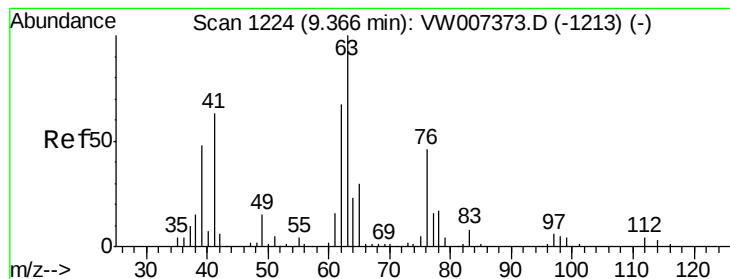
Tgt Ion: 130 Resp: 52916

Ion Ratio Lower Upper

130 100

95 96.6 0.0 193.2





#45

1,2-Dichloropropane

Concen: 48.923 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW007373.D

Acq: 11 Dec 2018 00:05

Instrument :

MSVOA_W

ClientSampleId :

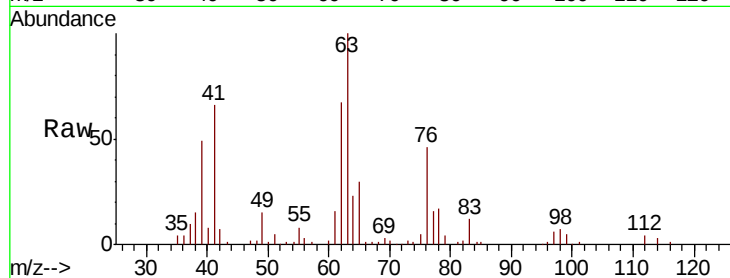
VSTDICCC050

Tgt Ion: 63 Resp: 44262

Ion Ratio Lower Upper

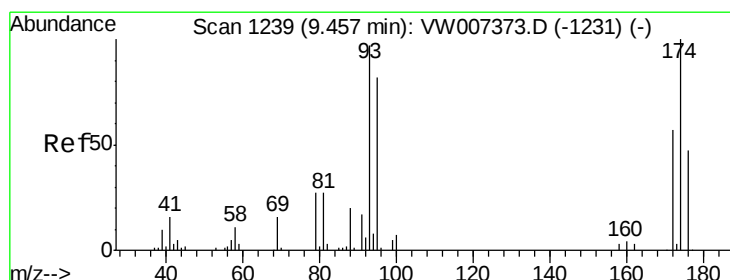
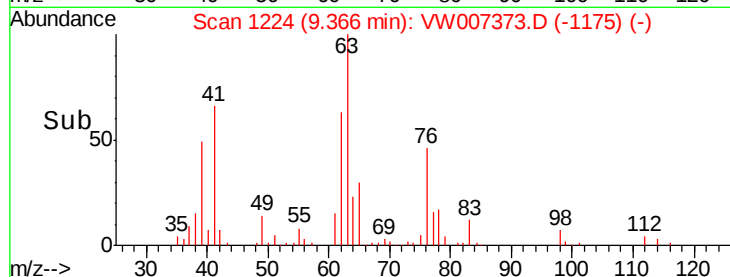
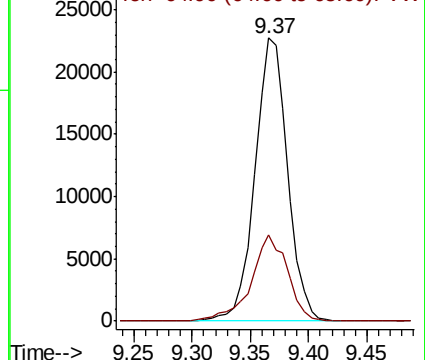
63 100

65 30.5 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 51.245 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW007373.D

Acq: 11 Dec 2018 00:05

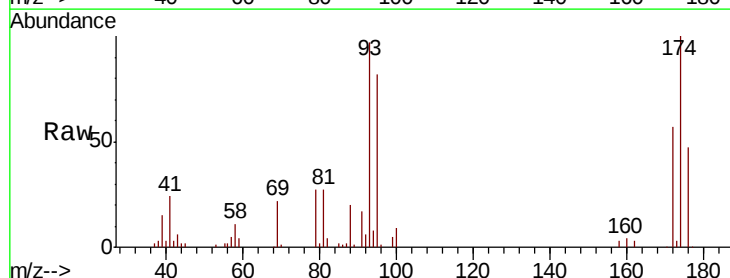
Tgt Ion: 93 Resp: 24443

Ion Ratio Lower Upper

93 100

95 85.0 68.0 102.0

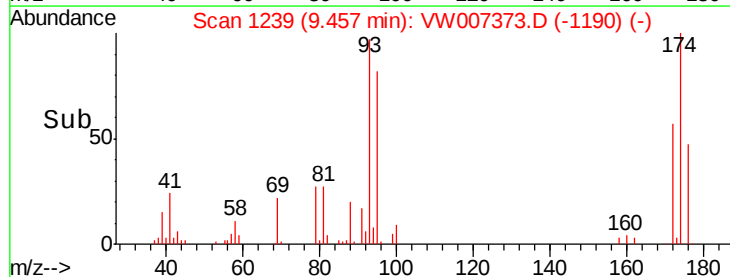
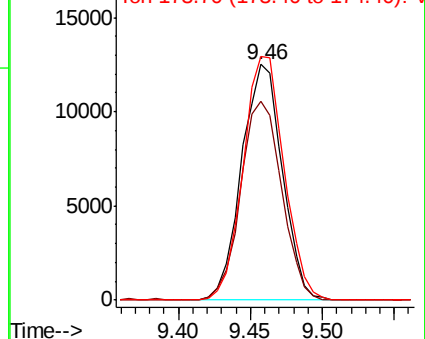
174 104.0 83.2 124.8

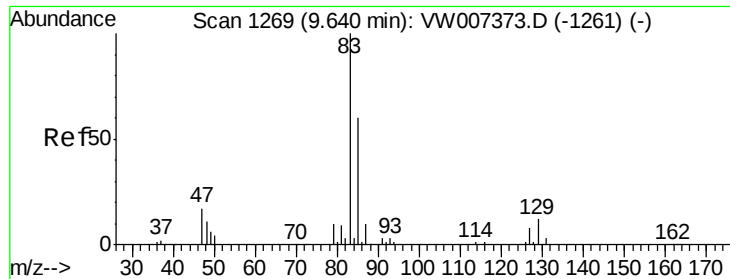


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.810 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW007373.D

Acq: 11 Dec 2018 00:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

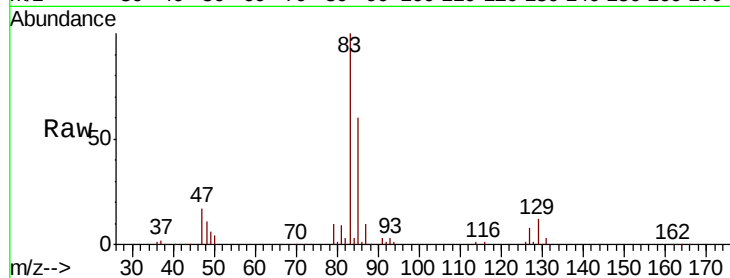
Tgt Ion: 83 Resp: 66321

Ion Ratio Lower Upper

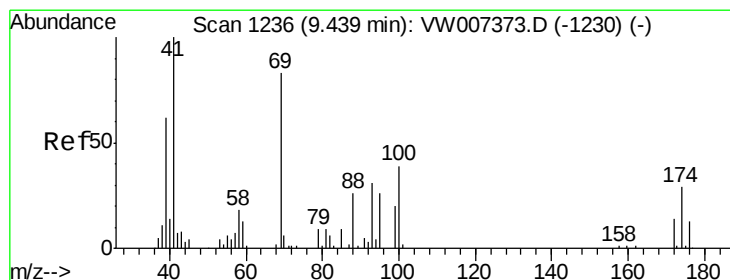
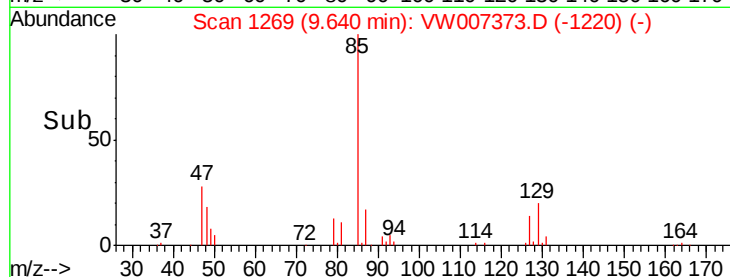
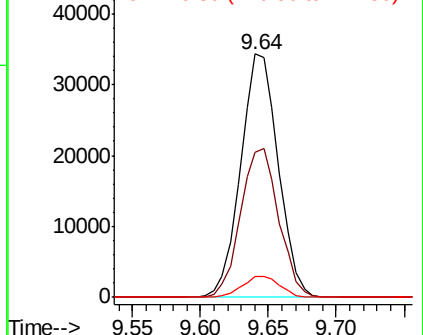
83 100

85 59.5 47.6 71.4

127 8.4 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: 51.310 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW007373.D

Acq: 11 Dec 2018 00:05

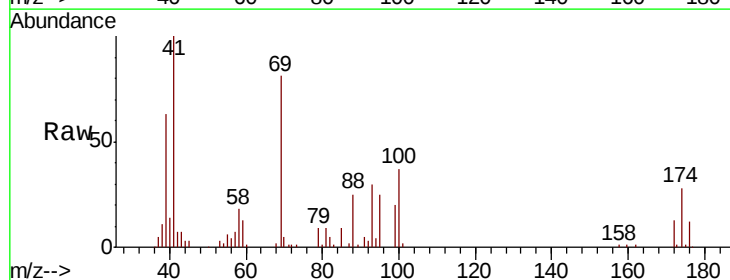
Tgt Ion: 41 Resp: 26296

Ion Ratio Lower Upper

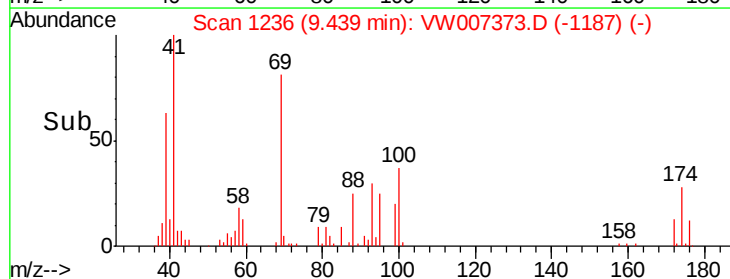
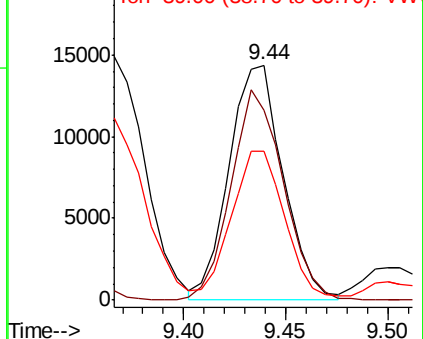
41 100

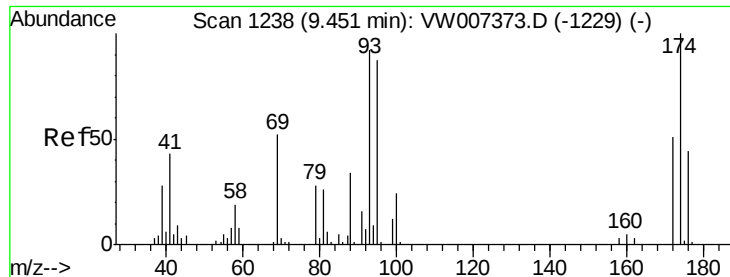
69 87.3 69.8 104.8

39 63.6 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

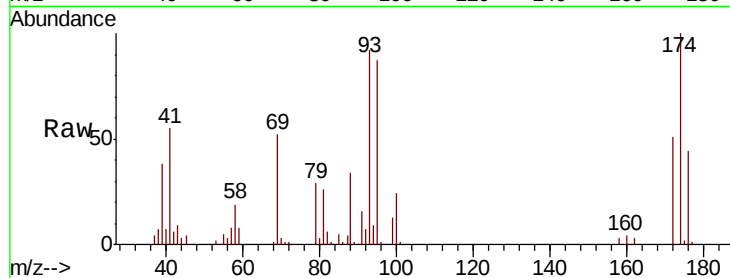




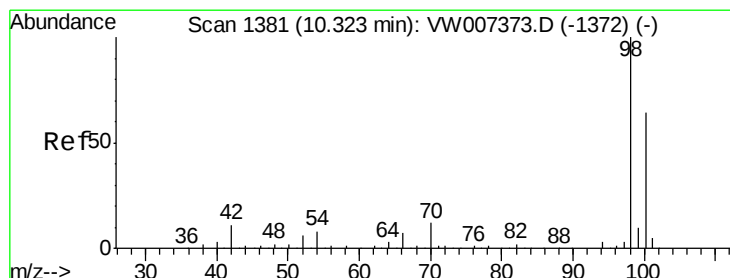
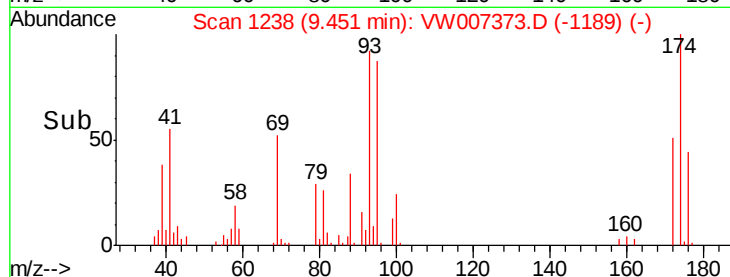
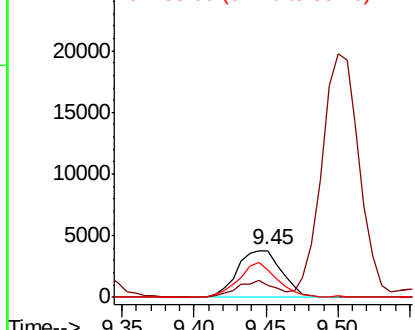
#49
1,4-Dioxane
Concen: 992.708 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.00 min
Lab File: VW007373.D
Acq: 11 Dec 2018 00:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 8142
Ion Ratio Lower Upper
88 100
43 31.2 25.0 37.4
58 64.3 51.4 77.2

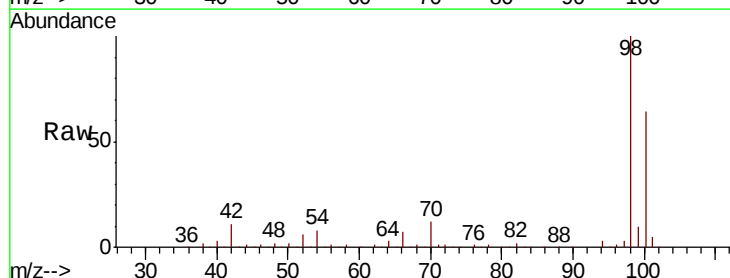


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

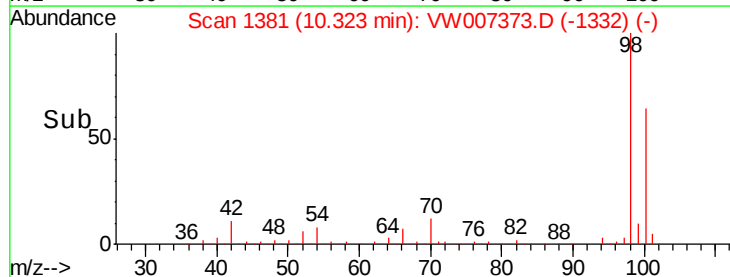
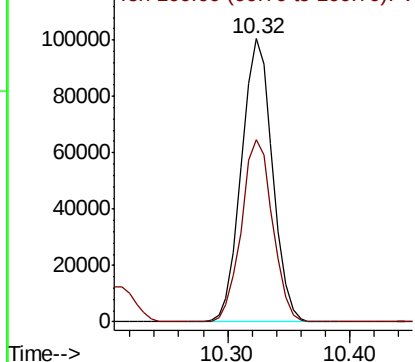


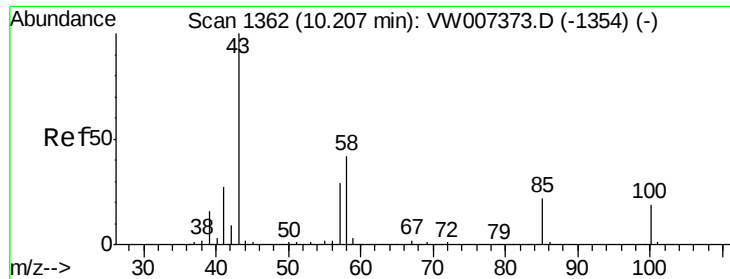
#50
Toluene-d8
Concen: 48.150 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW007373.D
Acq: 11 Dec 2018 00:05

Tgt Ion: 98 Resp: 176277
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.8



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

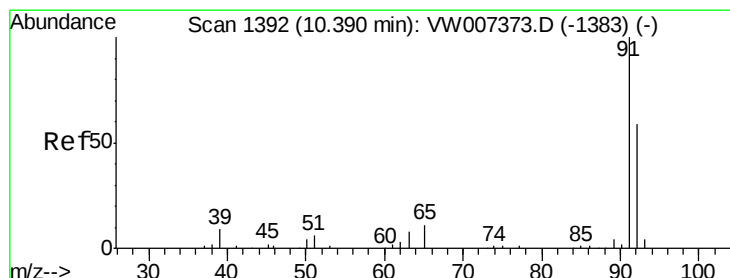
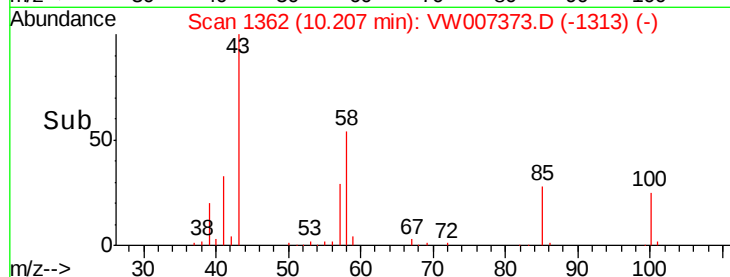
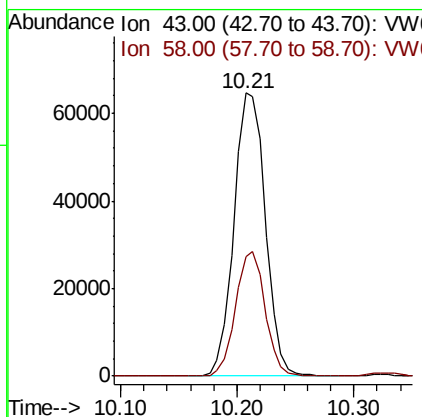
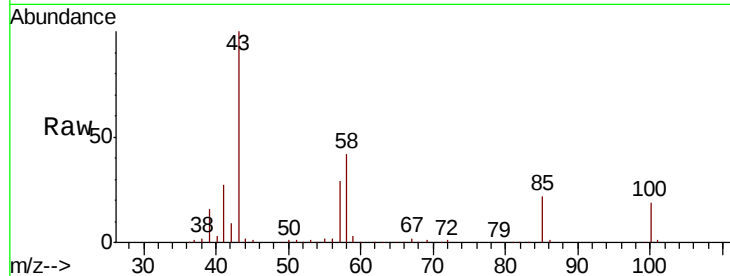




#51
4-Methyl-2-Pentanone
Concen: 250.496 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW007373.D
Acq: 11 Dec 2018 00:05

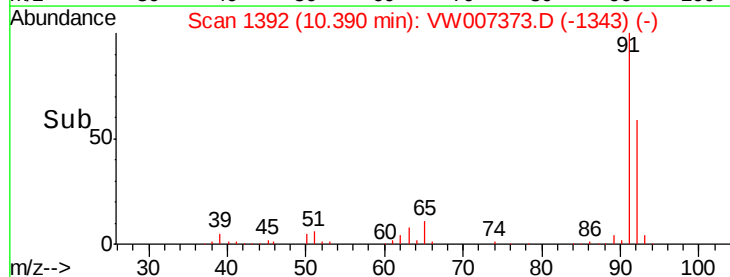
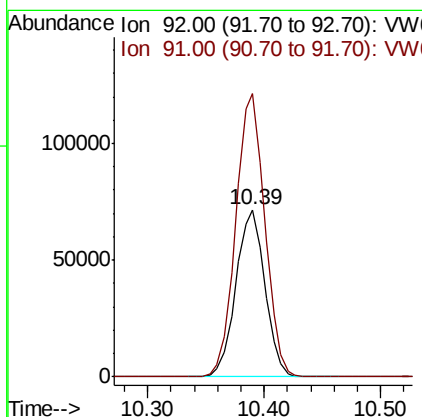
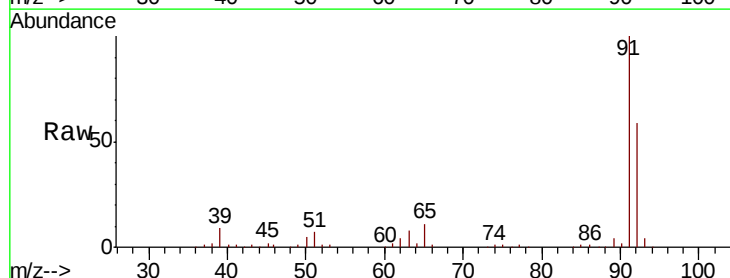
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

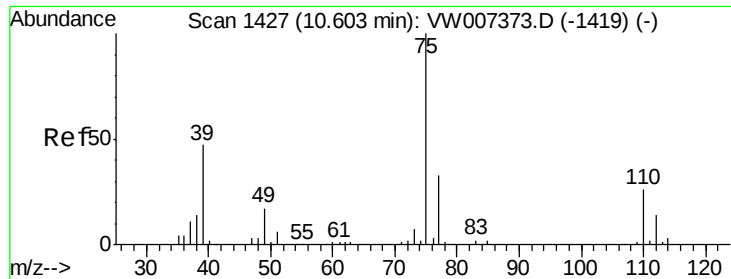
Tgt Ion: 43 Resp: 121505
Ion Ratio Lower Upper
43 100
58 41.4 33.1 49.7



#52
Toluene
Concen: 46.338 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW007373.D
Acq: 11 Dec 2018 00:05

Tgt Ion: 92 Resp: 124012
Ion Ratio Lower Upper
92 100
91 170.2 136.2 204.2





#53

t-1,3-Dichloropropene

Concen: 50.994 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW007373.D

Acq: 11 Dec 2018 00:05

Instrument :

MSVOA_W

ClientSampleId :

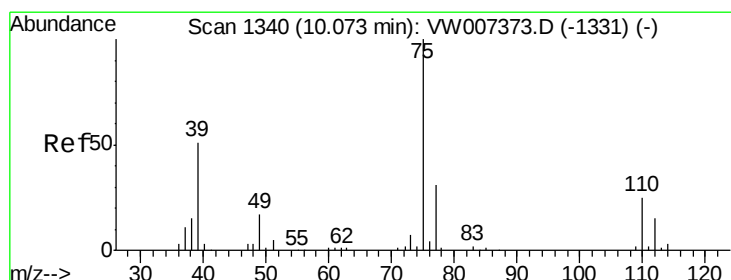
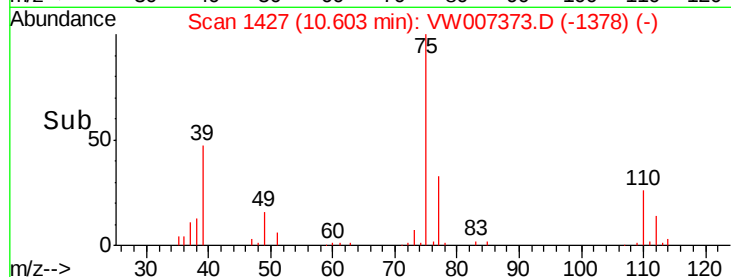
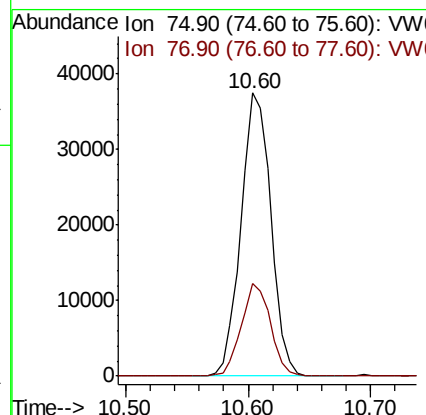
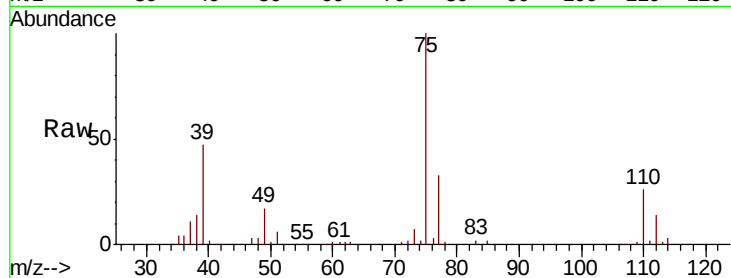
VSTDICCC050

Tgt Ion: 75 Resp: 63512

Ion Ratio Lower Upper

75 100

77 32.8 26.2 39.4



#54

cis-1,3-Dichloropropene

Concen: 50.685 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW007373.D

Acq: 11 Dec 2018 00:05

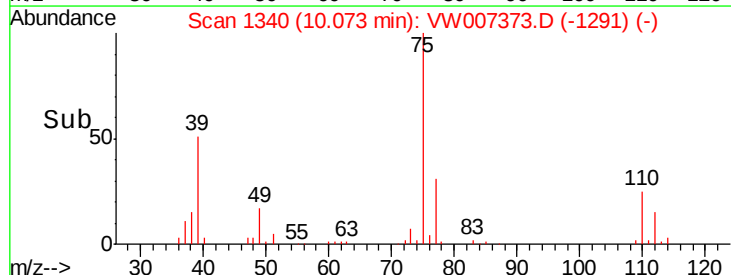
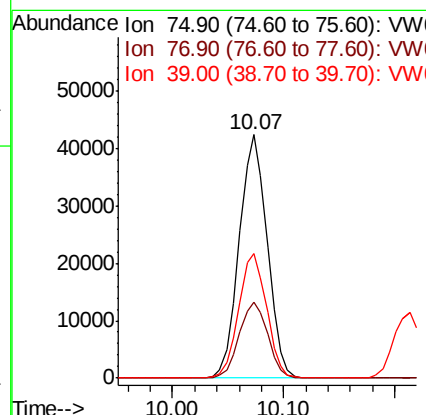
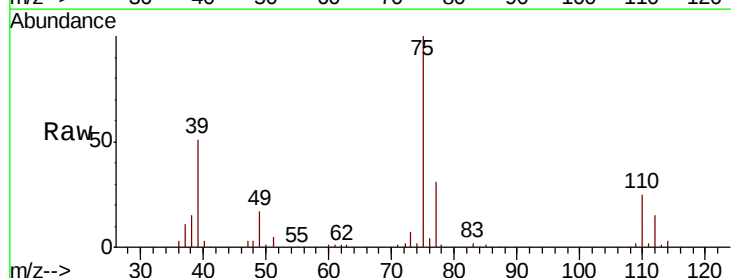
Tgt Ion: 75 Resp: 73822

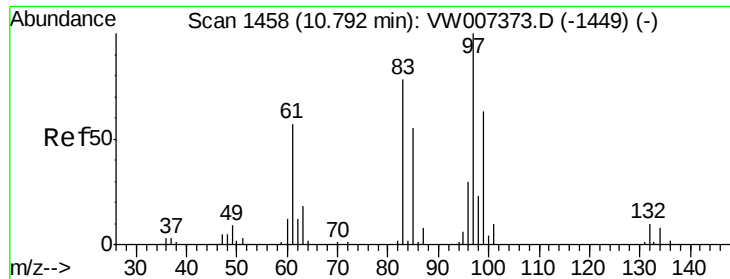
Ion Ratio Lower Upper

75 100

77 31.0 24.8 37.2

39 51.1 40.9 61.3

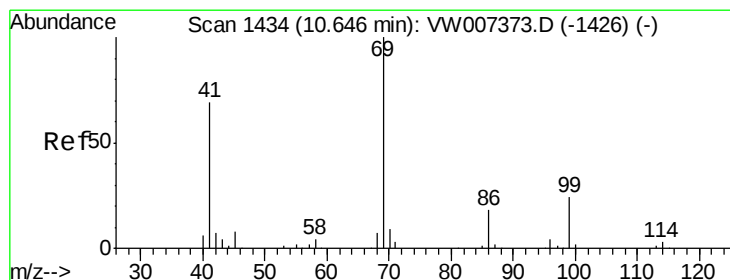
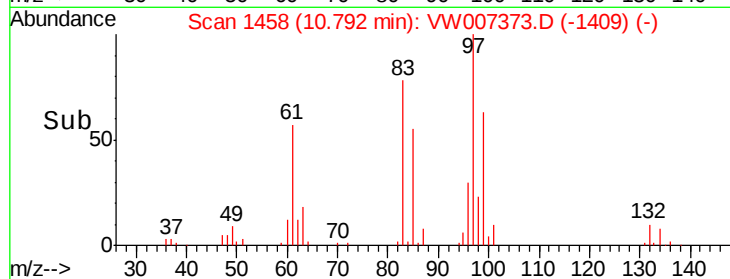
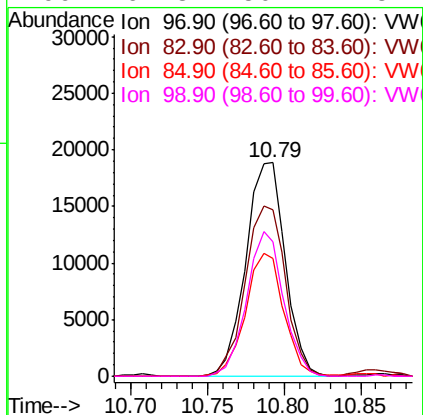
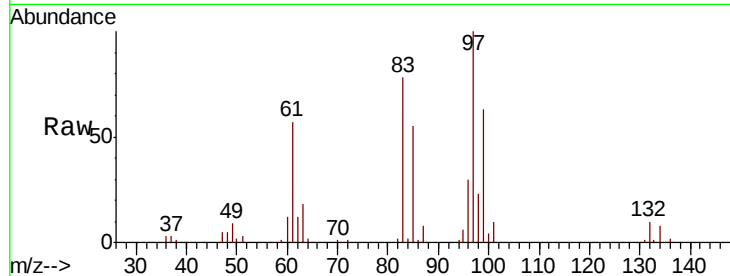




#55
 1,1,2-Trichloroethane
 Concen: 50.255 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW007373.D
 Acq: 11 Dec 2018 00:05

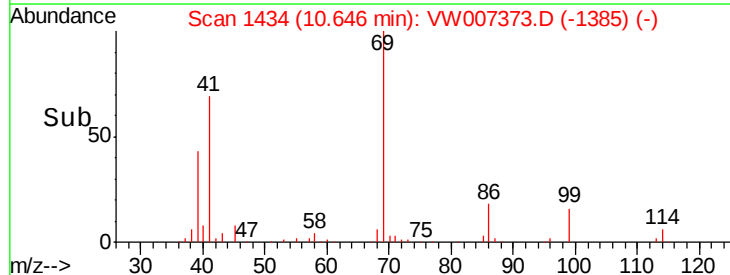
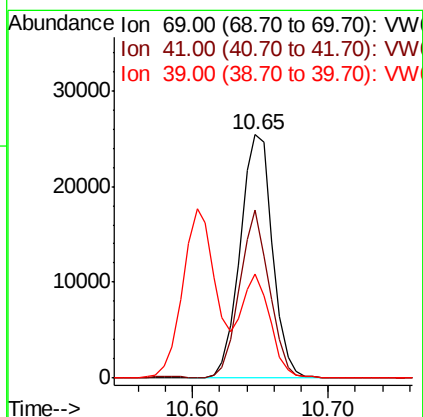
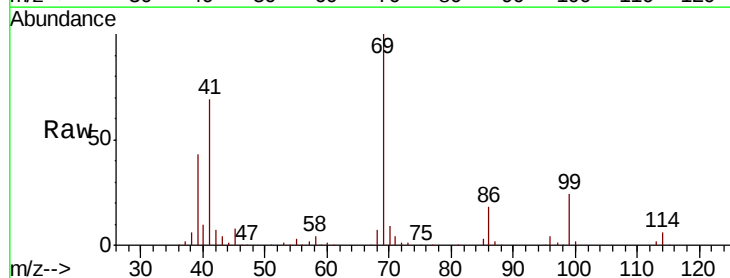
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

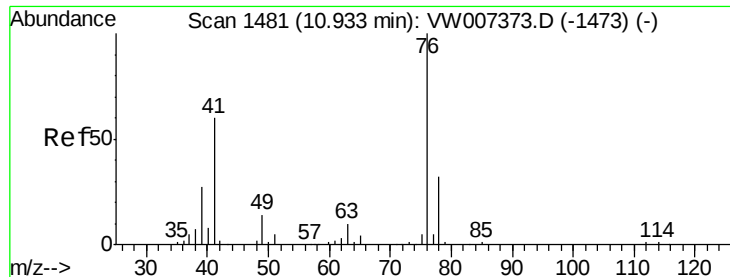
Tgt Ion:	97	Resp:	33819
Ion	Ratio	Lower	Upper
97	100		
83	77.6	62.1	93.1
85	55.3	44.2	66.4
99	62.8	50.2	75.4



#56
 Ethyl methacrylate
 Concen: 48.780 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW007373.D
 Acq: 11 Dec 2018 00:05

Tgt Ion:	69	Resp:	42035
Ion	Ratio	Lower	Upper
69	100		
41	63.8	51.0	76.6
39	38.5	30.8	46.2

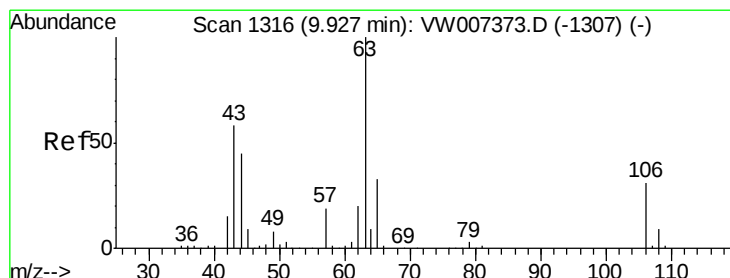
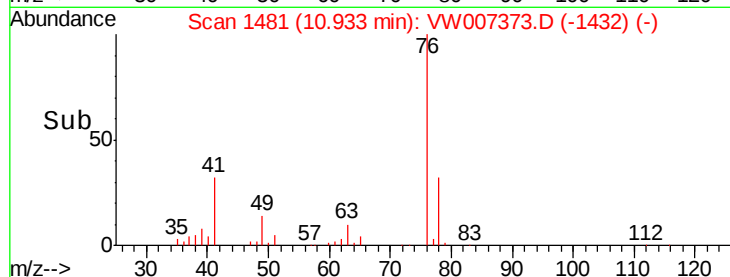
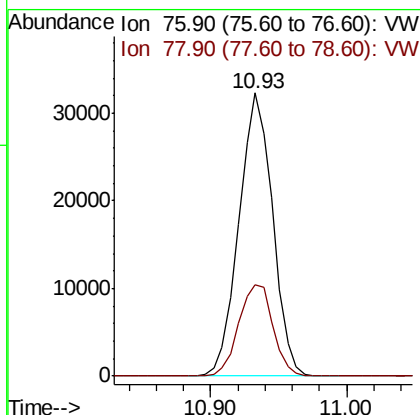
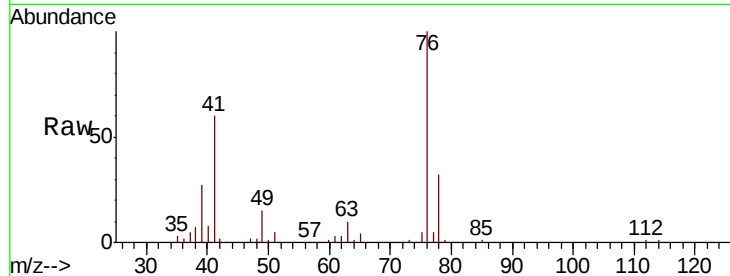




#57
 1,3-Dichloropropane
 Concen: 49.509 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW007373.D
 Acq: 11 Dec 2018 00:05

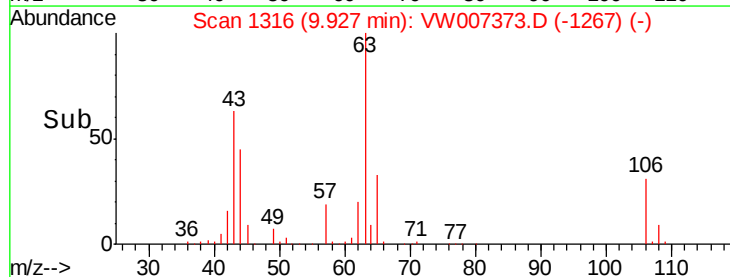
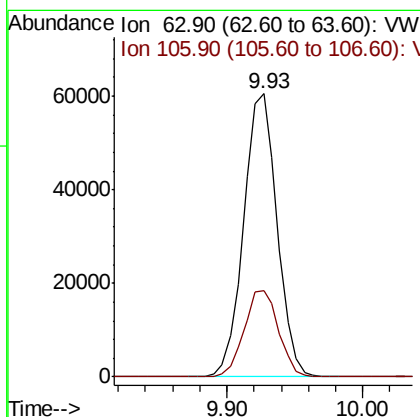
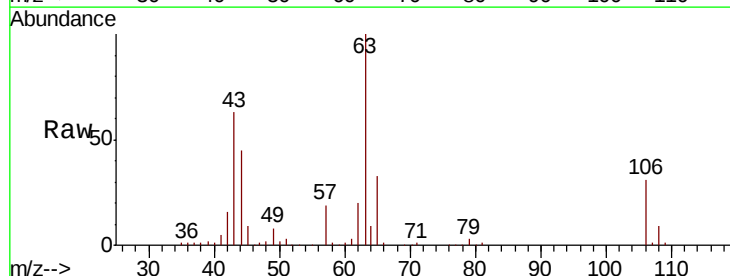
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

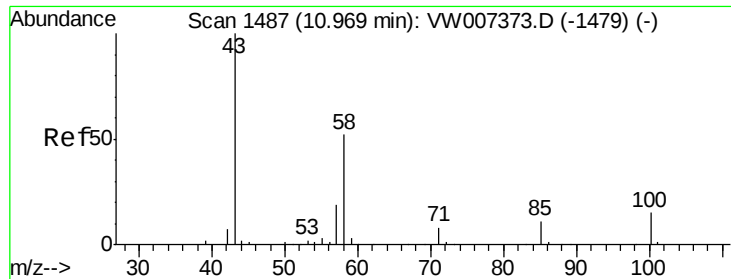
Tgt Ion: 76 Resp: 55866
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 287.423 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW007373.D
 Acq: 11 Dec 2018 00:05

Tgt Ion: 63 Resp: 104021
 Ion Ratio Lower Upper
 63 100
 106 31.3 25.0 37.6

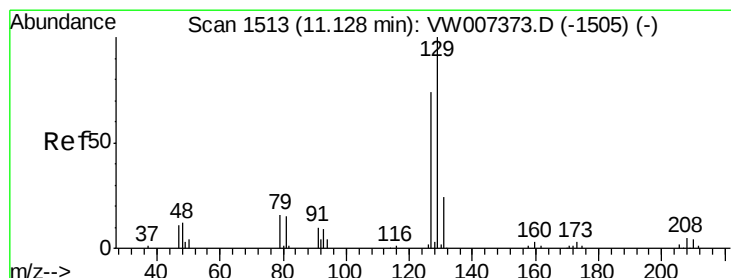
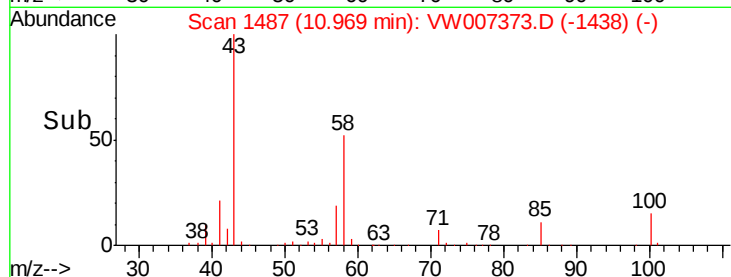
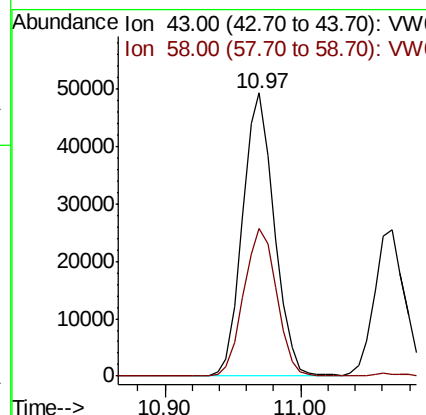
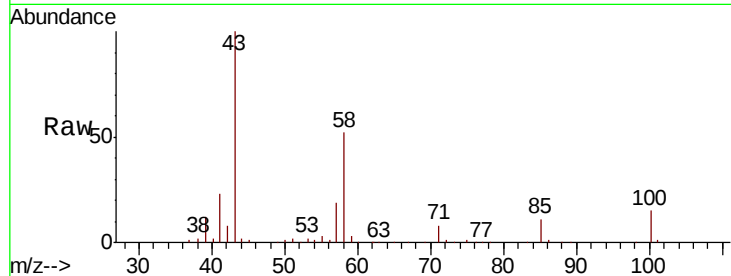




#59
2-Hexanone
Concen: 232.854 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW007373.D
Acq: 11 Dec 2018 00:05

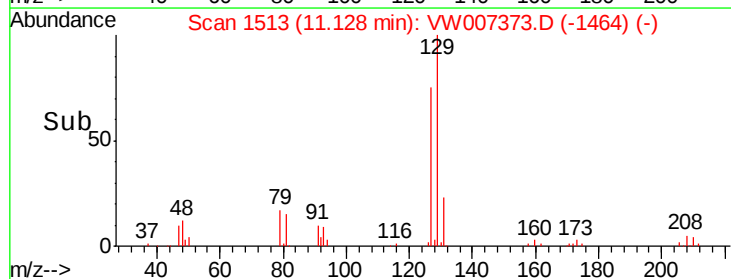
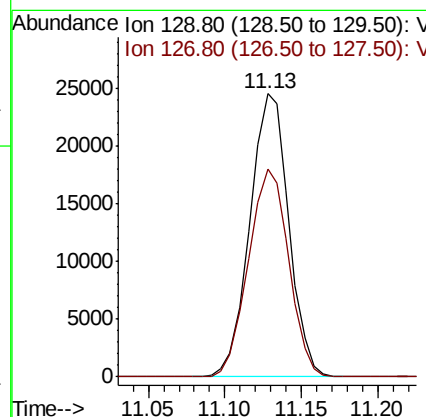
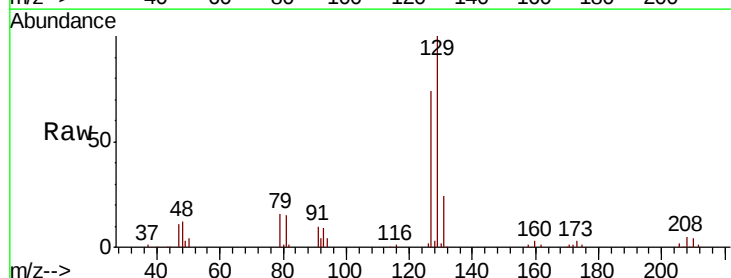
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

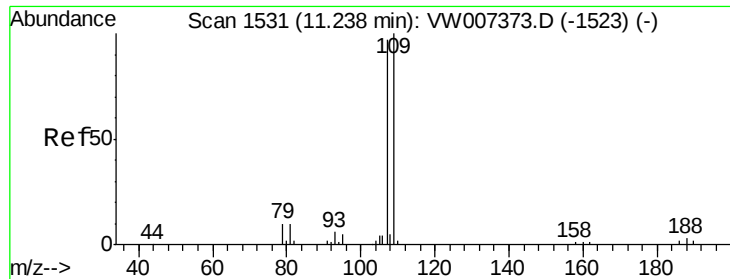
Tgt Ion: 43 Resp: 80445
Ion Ratio Lower Upper
43 100
58 54.2 27.1 81.3



#60
Dibromochloromethane
Concen: 52.080 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW007373.D
Acq: 11 Dec 2018 00:05

Tgt Ion: 129 Resp: 43320
Ion Ratio Lower Upper
129 100
127 76.2 38.1 114.3

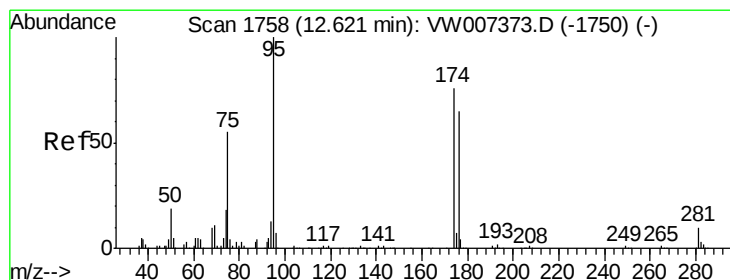
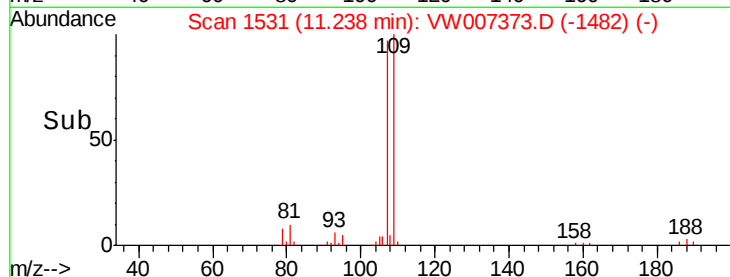
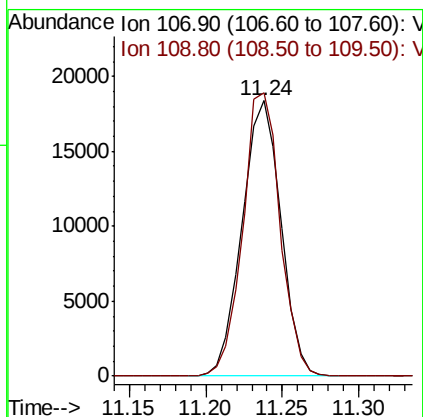
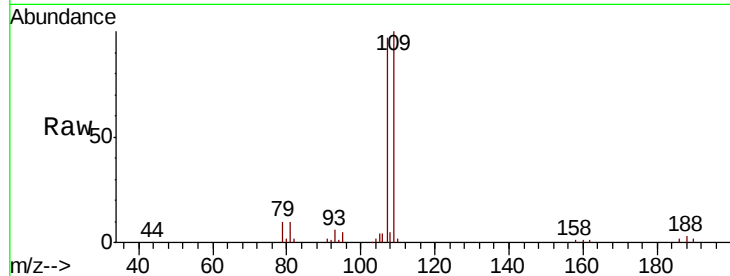




#61
 1,2-Dibromoethane
 Concen: 50.615 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW007373.D
 Acq: 11 Dec 2018 00:05

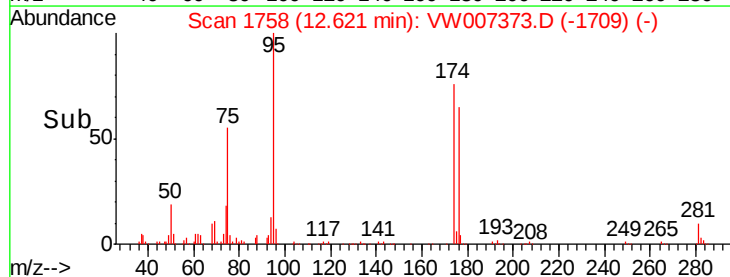
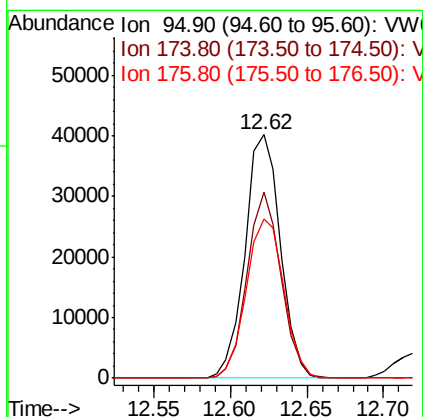
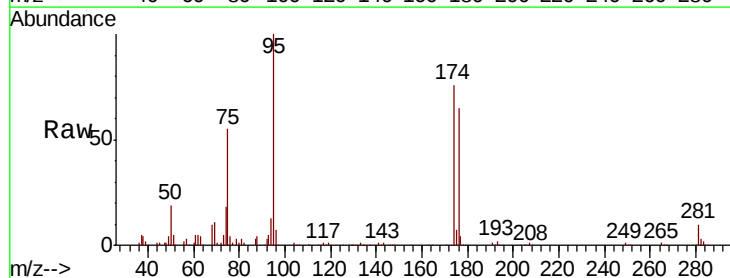
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

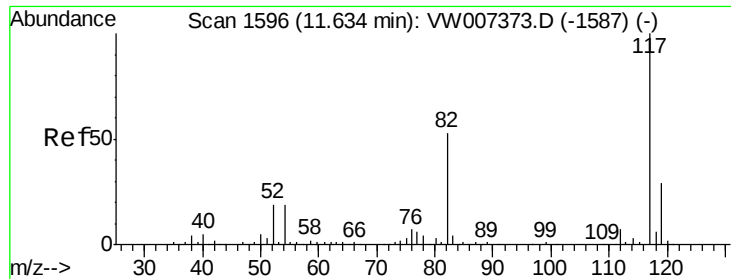
Tgt Ion: 107 Resp: 32453
 Ion Ratio Lower Upper
 107 100
 109 98.9 79.1 118.7



#62
 4-Bromofluorobenzene
 Concen: 46.911 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW007373.D
 Acq: 11 Dec 2018 00:05

Tgt Ion: 95 Resp: 64367
 Ion Ratio Lower Upper
 95 100
 174 73.6 0.0 147.2
 176 69.4 0.0 138.8

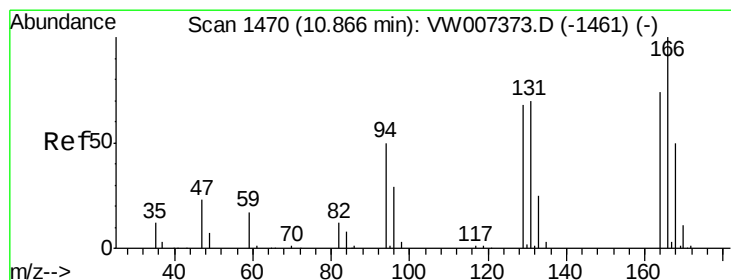
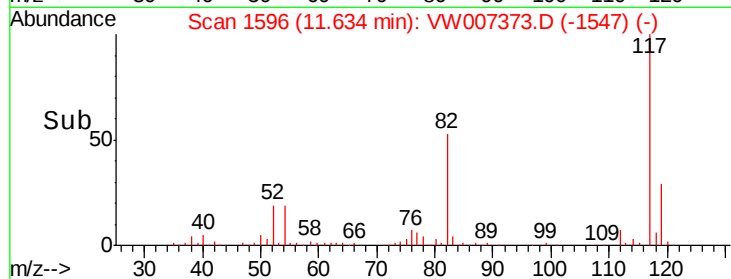
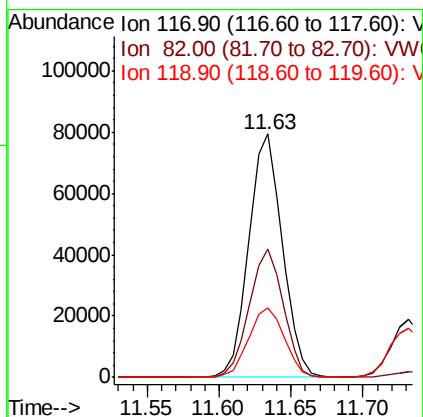
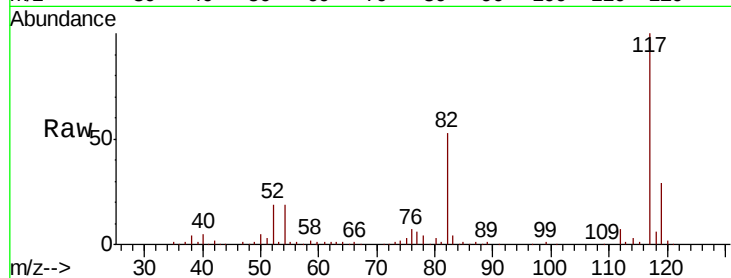




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007373.D
Acq: 11 Dec 2018 00:05

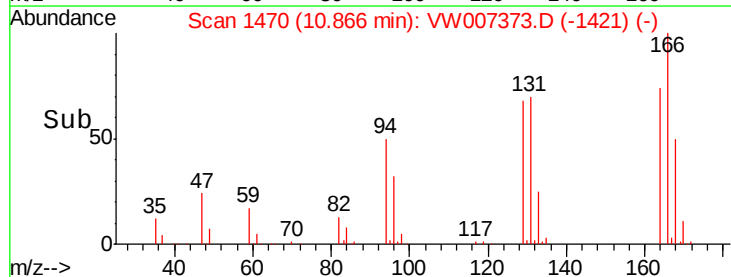
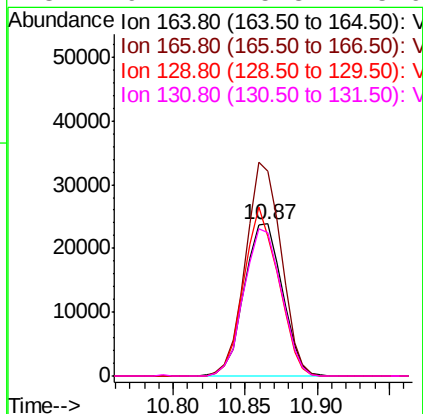
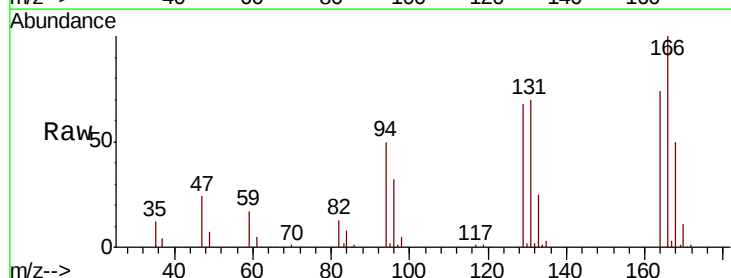
Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

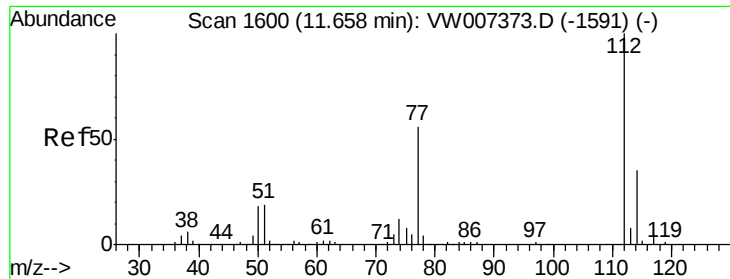
Tgt Ion:117 Resp: 127569
Ion Ratio Lower Upper
117 100
82 52.9 42.3 63.5
119 28.8 23.0 34.6



#64
Tetrachloroethene
Concen: 47.707 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW007373.D
Acq: 11 Dec 2018 00:05

Tgt Ion:164 Resp: 43715
Ion Ratio Lower Upper
164 100
166 134.9 107.9 161.9
129 91.8 73.4 110.2
131 94.7 75.8 113.6

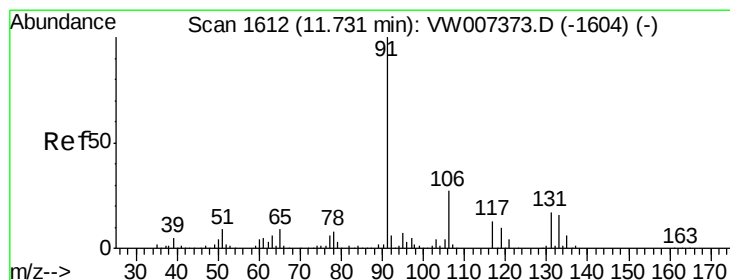
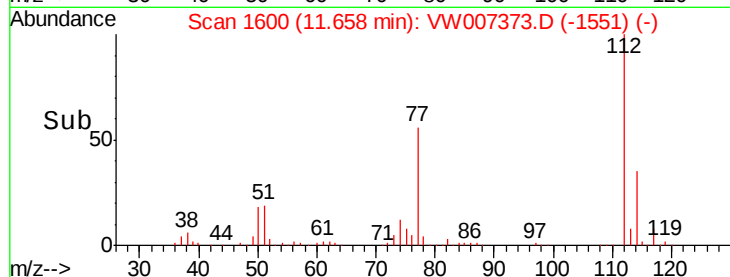
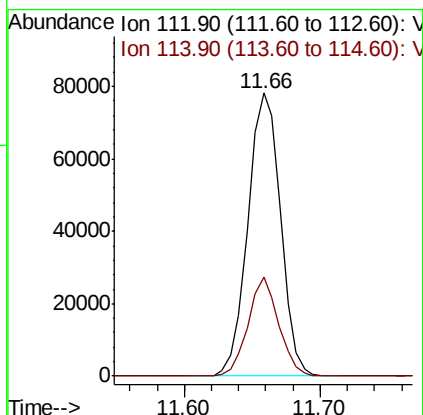
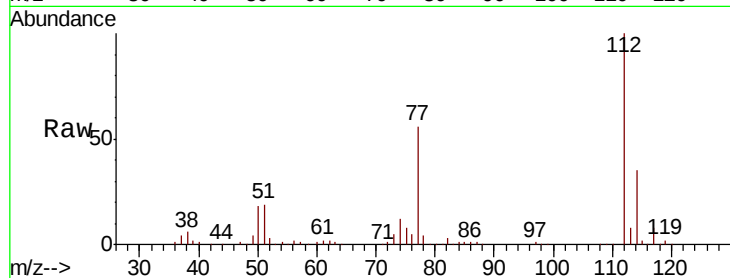




#65
Chlorobenzene
Concen: 47.161 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007373.D
Acq: 11 Dec 2018 00:05

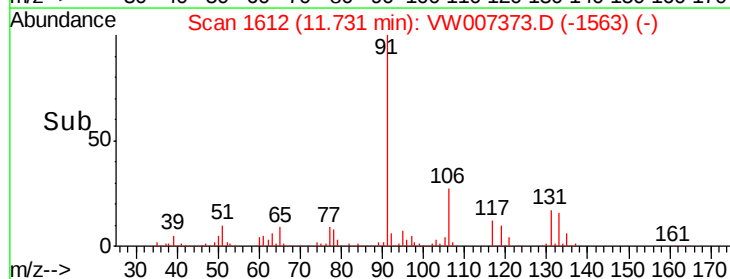
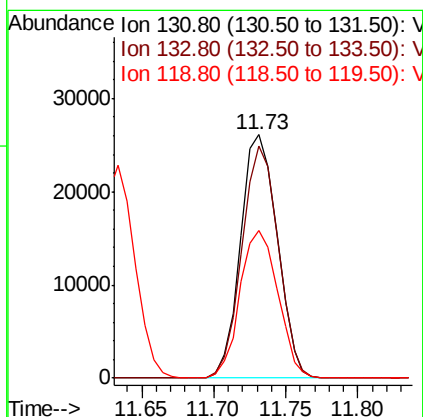
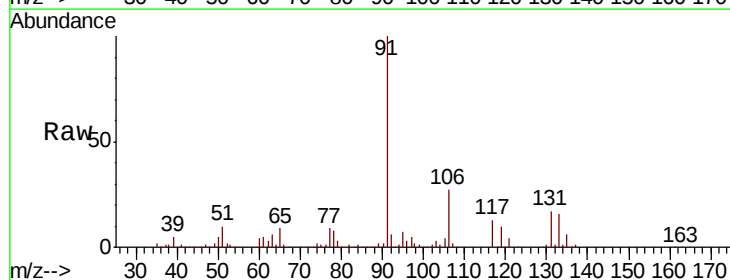
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

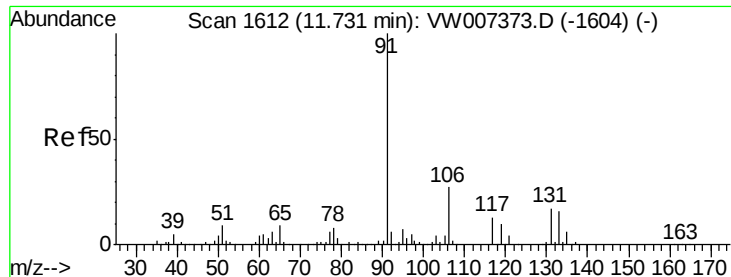
Tgt Ion:112 Resp: 131594
Ion Ratio Lower Upper
112 100
114 34.8 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 52.467 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007373.D
Acq: 11 Dec 2018 00:05

Tgt Ion:131 Resp: 46216
Ion Ratio Lower Upper
131 100
133 94.3 47.1 141.4
119 62.6 31.3 93.9

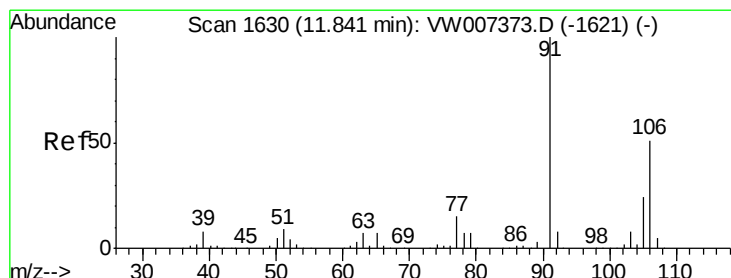
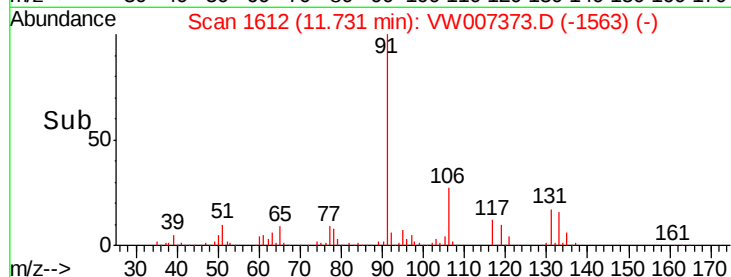
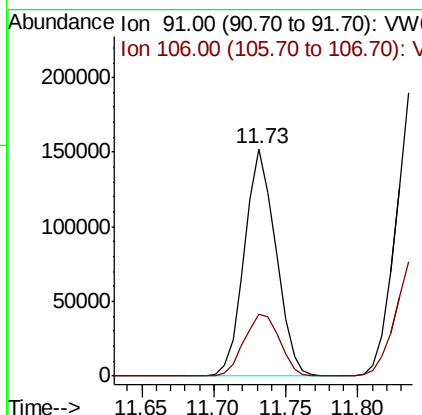
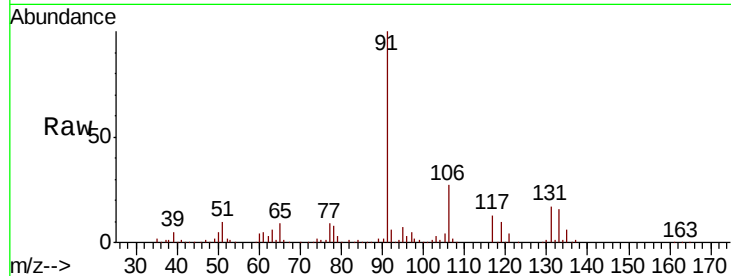




#67
Ethyl Benzene
Concen: 45.294 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007373.D
Acq: 11 Dec 2018 00:05

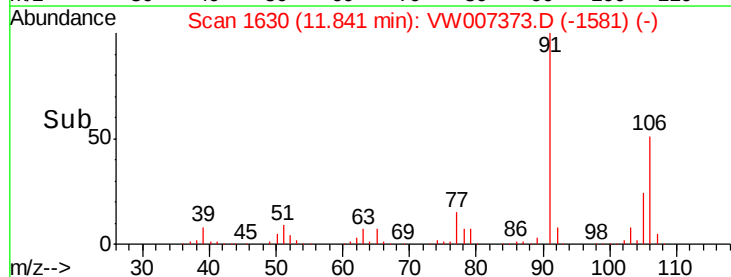
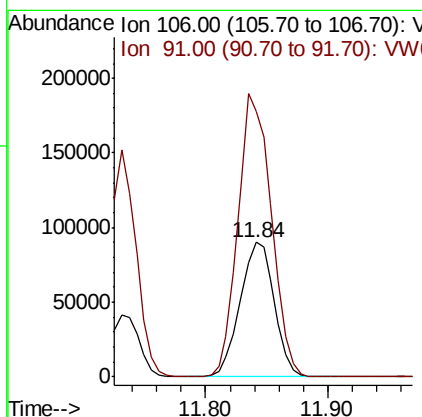
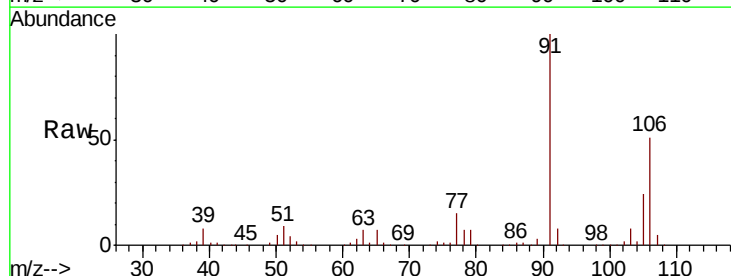
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

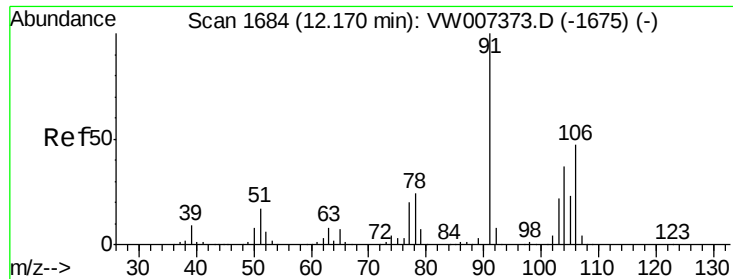
Tgt Ion: 91 Resp: 229882
Ion Ratio Lower Upper
91 100
106 27.3 21.8 32.8



#68
m/p-Xylenes
Concen: 87.806 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007373.D
Acq: 11 Dec 2018 00:05

Tgt Ion: 106 Resp: 173751
Ion Ratio Lower Upper
106 100
91 206.6 165.3 247.9

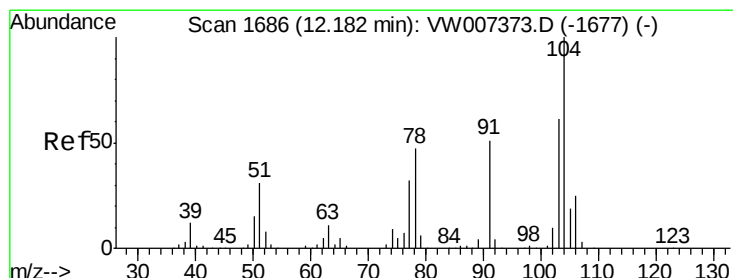
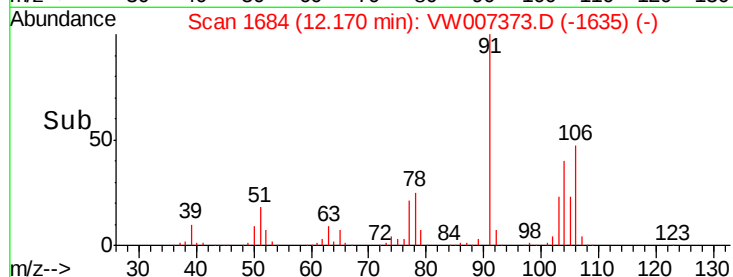
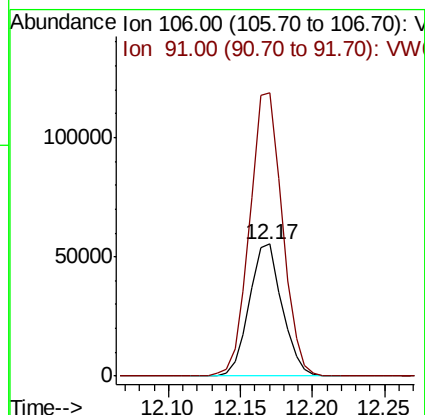
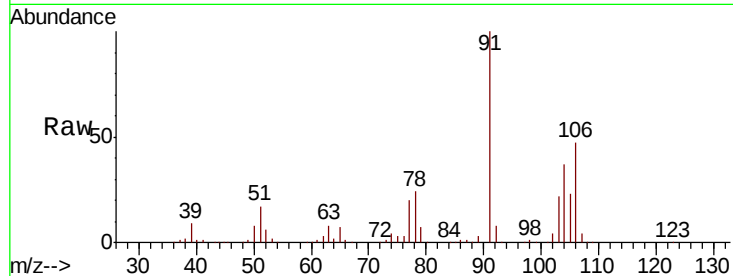




#69
o-Xylene
Concen: 46.627 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007373.D
Acq: 11 Dec 2018 00:05

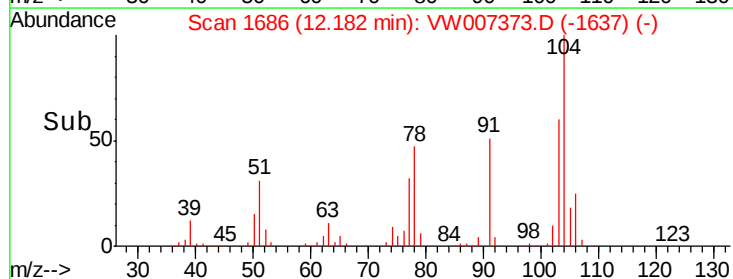
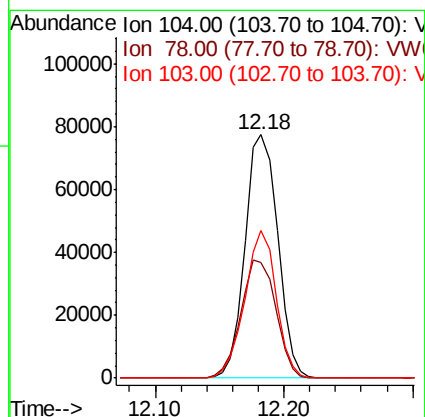
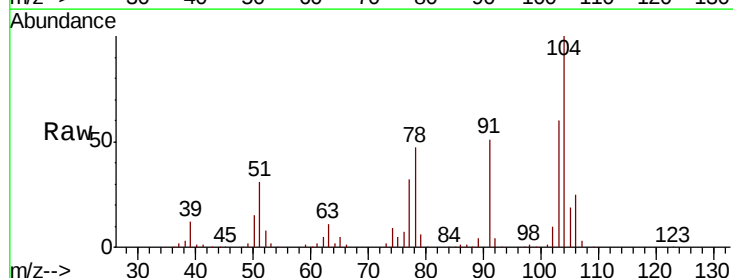
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

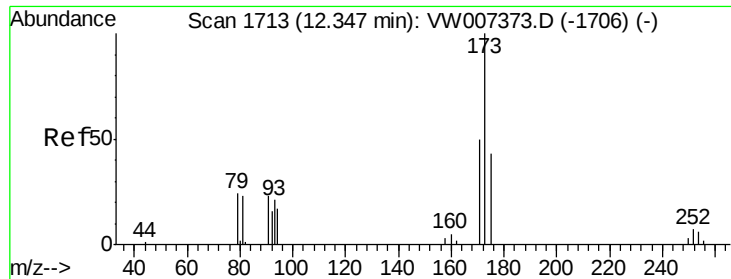
Tgt Ion:106 Resp: 86916
Ion Ratio Lower Upper
106 100
91 213.2 106.6 319.8



#70
Styrene
Concen: 44.830 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007373.D
Acq: 11 Dec 2018 00:05

Tgt Ion:104 Resp: 135733
Ion Ratio Lower Upper
104 100
78 52.3 41.8 62.8
103 58.2 46.6 69.8

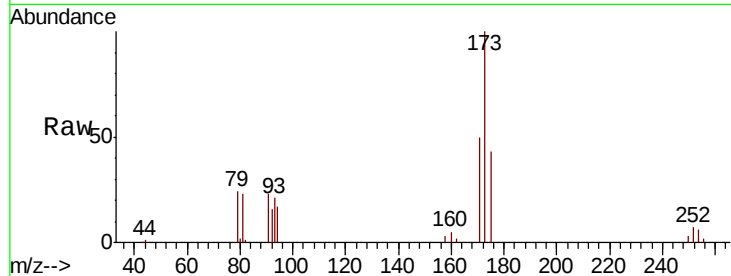




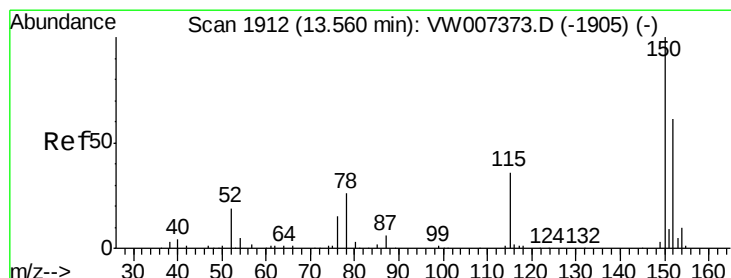
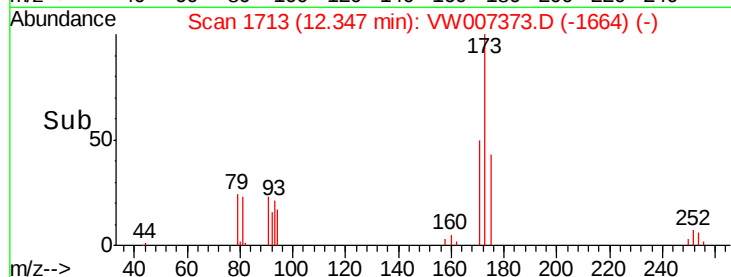
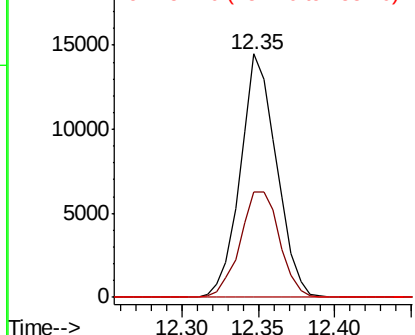
#71
Bromoform
Concen: 53.867 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW007373.D
Acq: 11 Dec 2018 00:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 23690
Ion Ratio Lower Upper
173 100
175 47.2 23.6 70.8
254 0.0 0.0 0.0

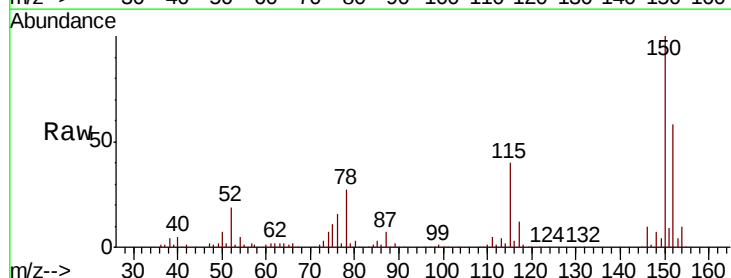


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

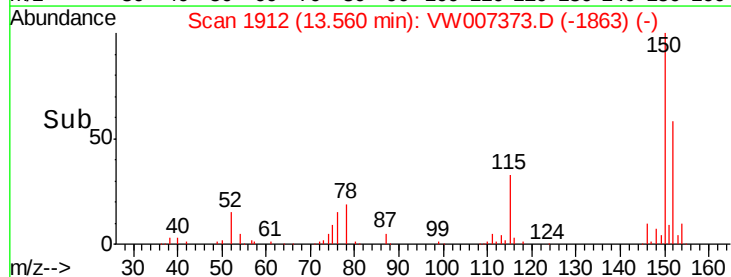
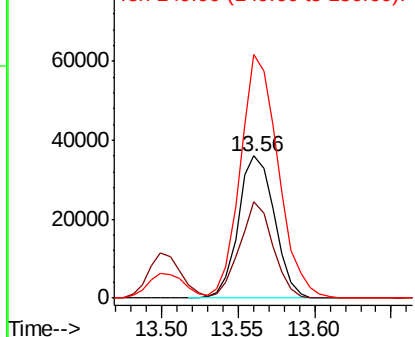


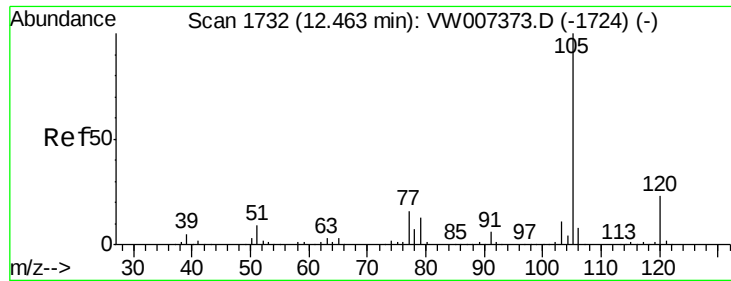
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW007373.D
Acq: 11 Dec 2018 00:05

Tgt Ion:152 Resp: 59006
Ion Ratio Lower Upper
152 100
115 62.8 31.4 94.2
150 179.2 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: 48.813 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW007373.D

Acq: 11 Dec 2018 00:05

Instrument :

MSVOA_W

ClientSampleId :

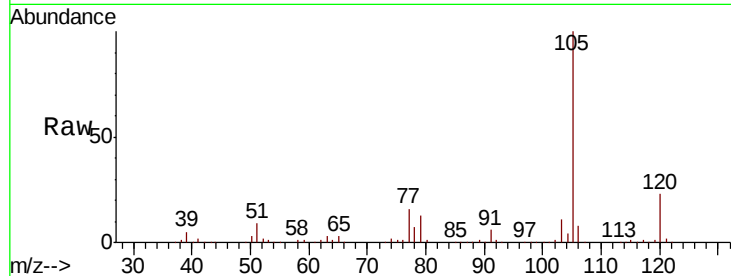
VSTDICCC050

Tgt Ion: 105 Resp: 230372

Ion Ratio Lower Upper

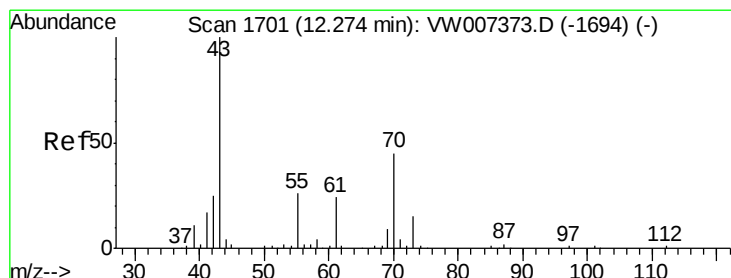
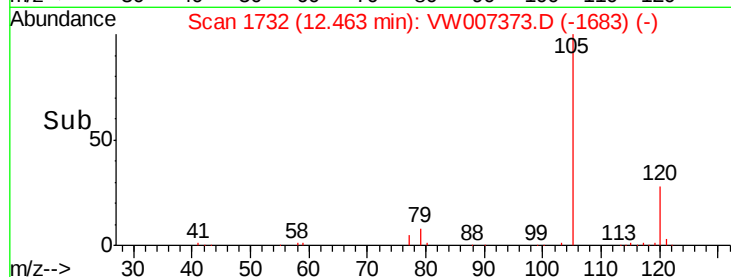
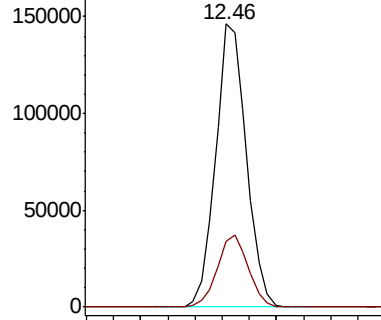
105 100

120 25.6 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: 51.538 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW007373.D

Acq: 11 Dec 2018 00:05

Tgt Ion: 43 Resp: 42858

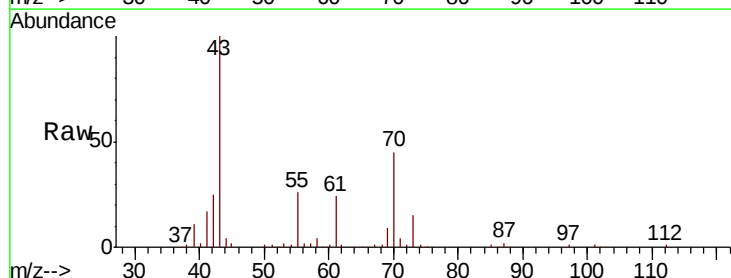
Ion Ratio Lower Upper

43 100

70 45.6 36.5 54.7

55 25.1 20.1 30.1

61 24.1 19.3 28.9

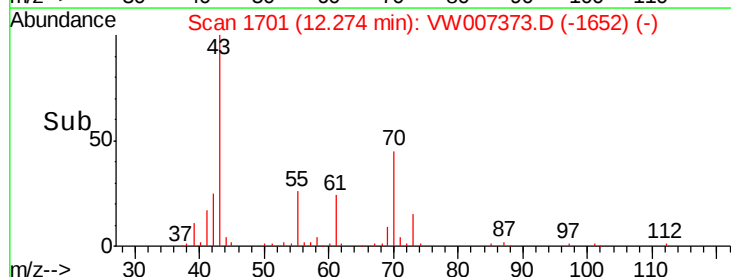
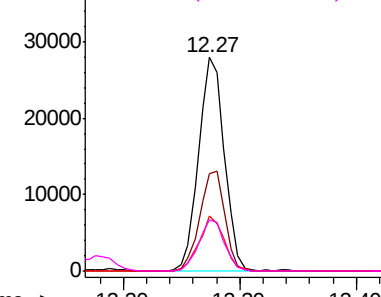


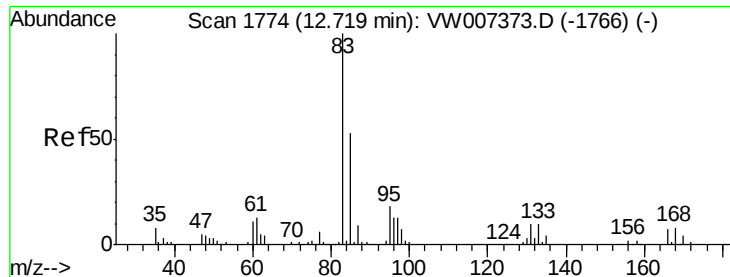
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 58.689 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007373.D

Acq: 11 Dec 2018 00:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

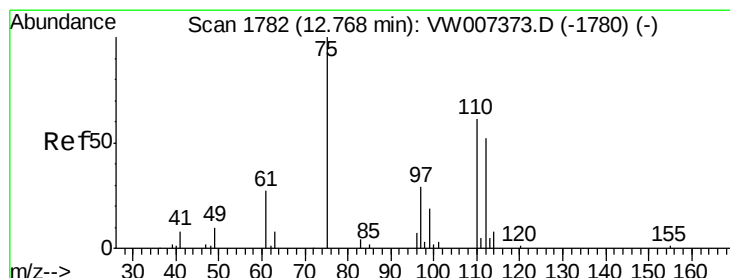
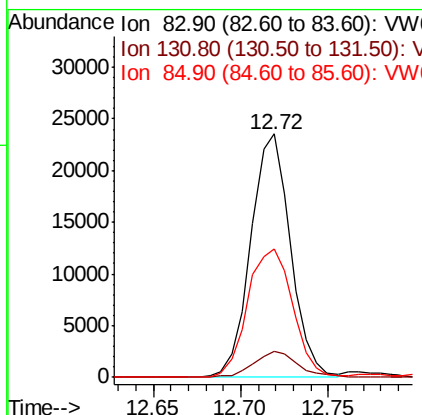
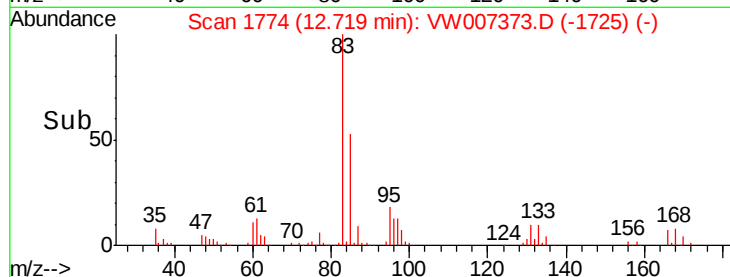
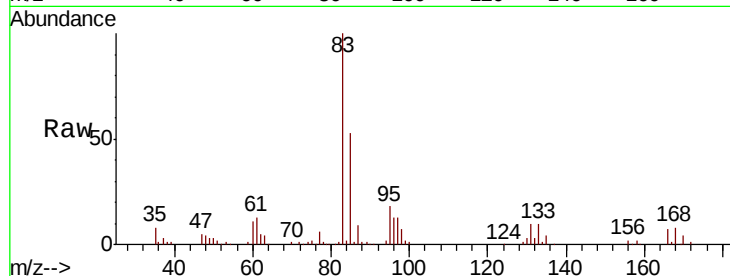
Tgt Ion: 83 Resp: 37142

Ion Ratio Lower Upper

83 100

131 11.9 5.9 17.8

85 60.0 30.0 90.0



#76

1,2,3-Trichloropropane

Concen: 100.731 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW007373.D

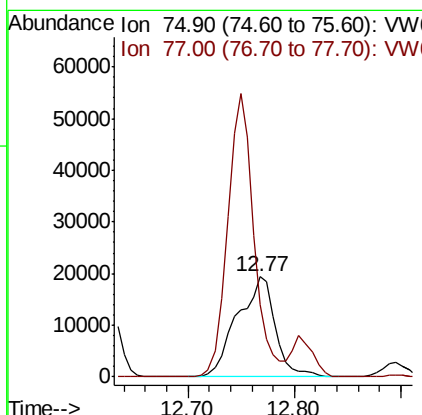
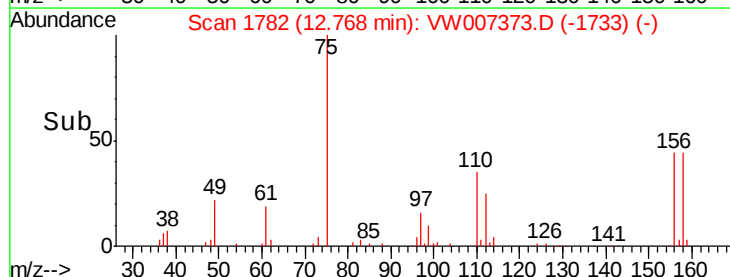
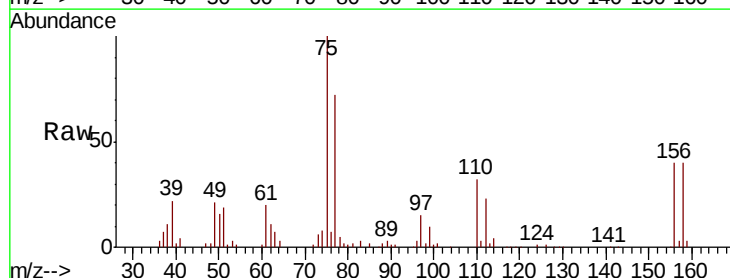
Acq: 11 Dec 2018 00:05

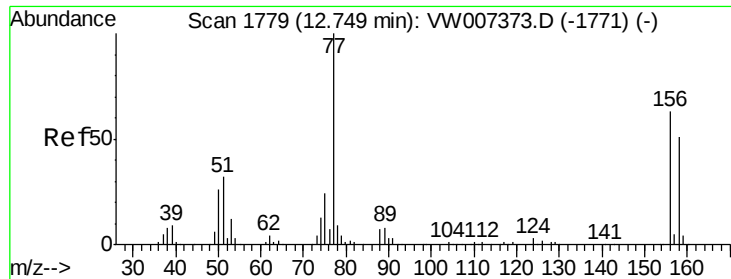
Tgt Ion: 75 Resp: 48453

Ion Ratio Lower Upper

75 100

77 194.4 166.9 500.8





#77

Bromobenzene

Concen: 51.573 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW007373.D

Acq: 11 Dec 2018 00:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

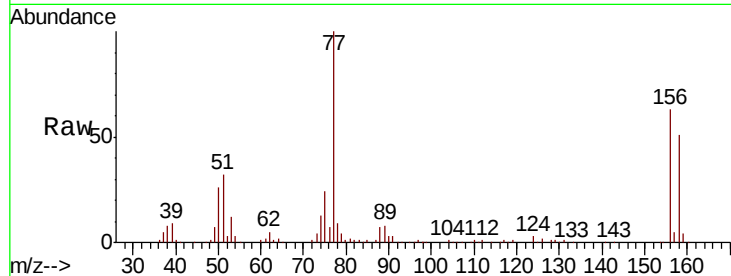
Tgt Ion:156 Resp: 53437

Ion Ratio Lower Upper

156 100

77 176.3 88.1 264.4

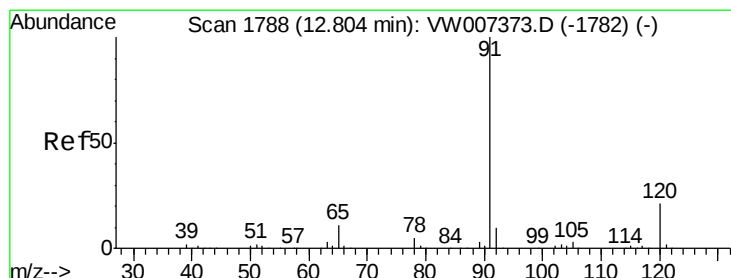
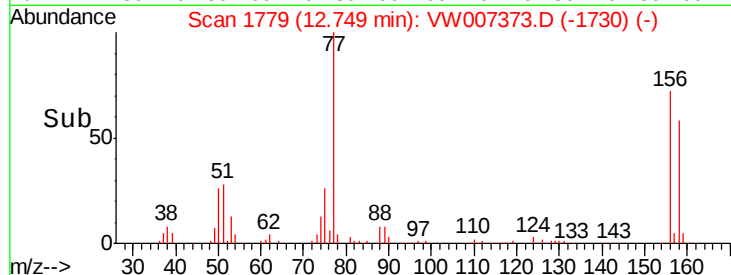
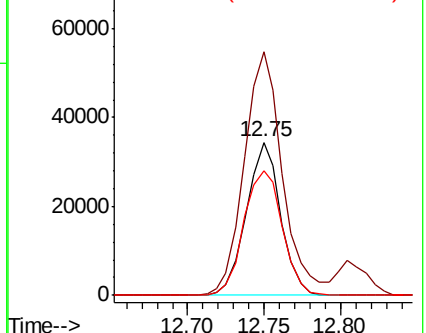
158 91.1 45.6 136.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.790 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW007373.D

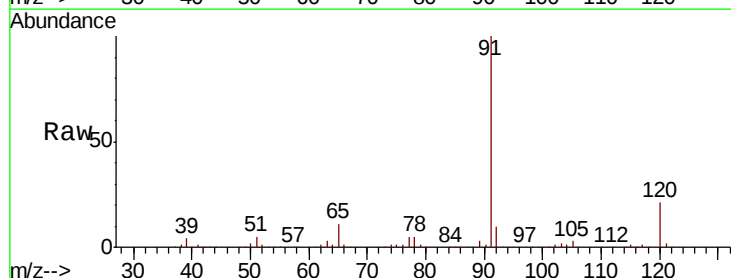
Acq: 11 Dec 2018 00:05

Tgt Ion: 91 Resp: 270875

Ion Ratio Lower Upper

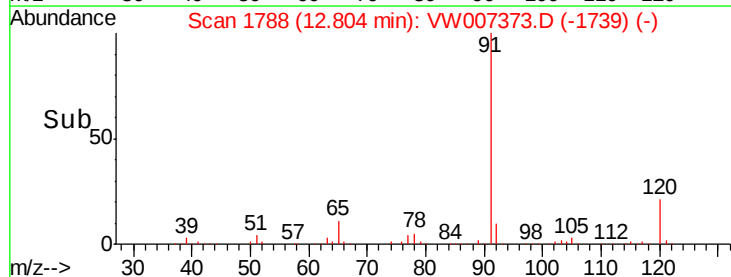
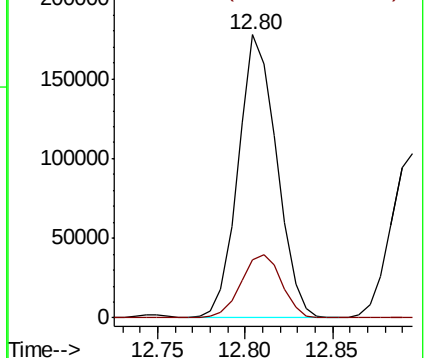
91 100

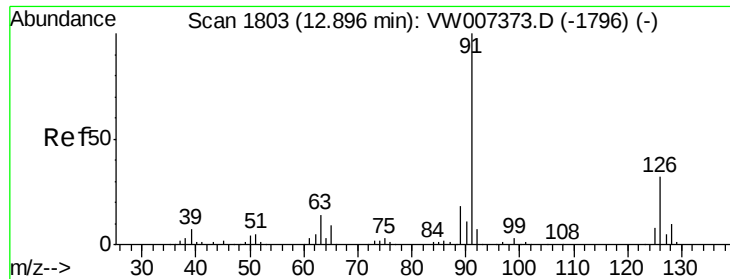
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

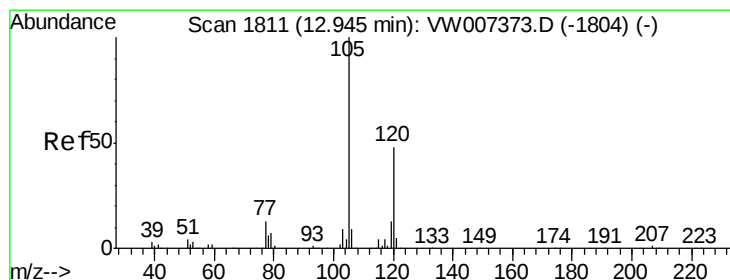
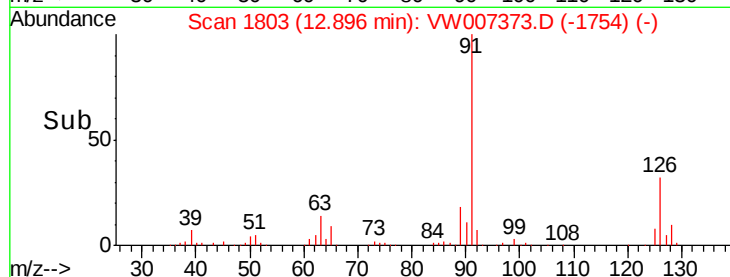
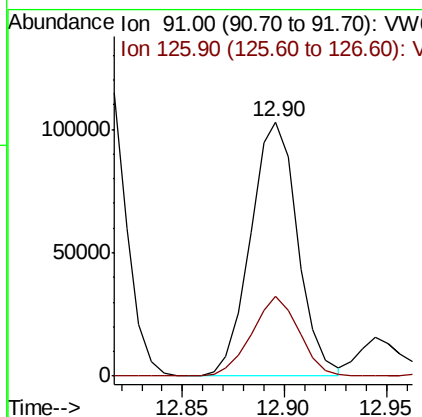
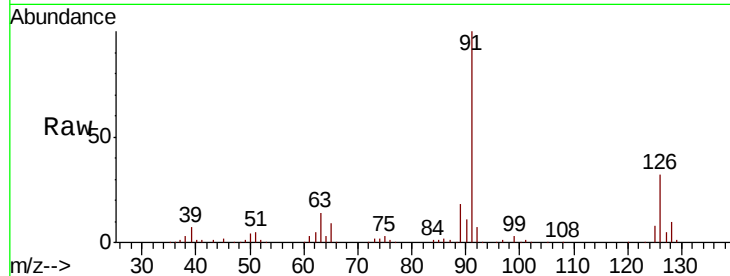




#79
 2-Chlorotoluene
 Concen: 51.338 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW007373.D
 Acq: 11 Dec 2018 00:05

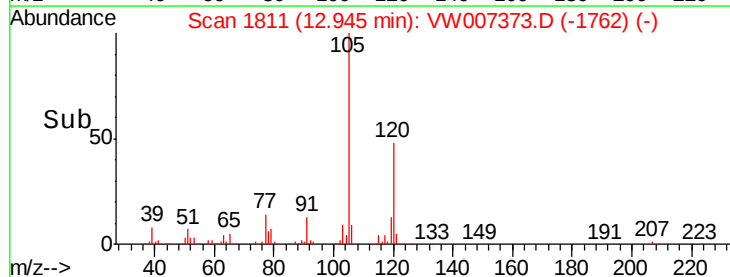
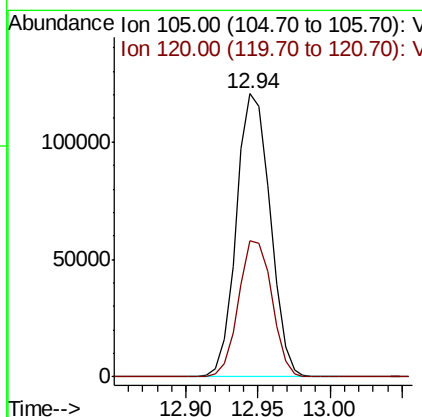
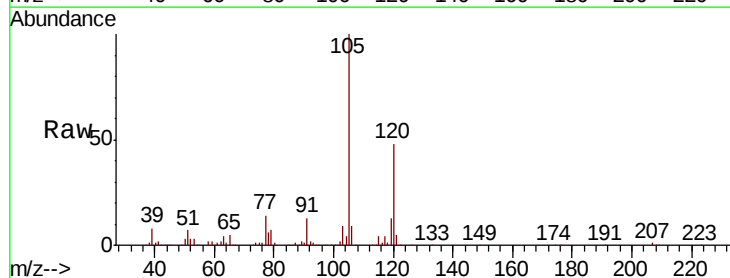
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

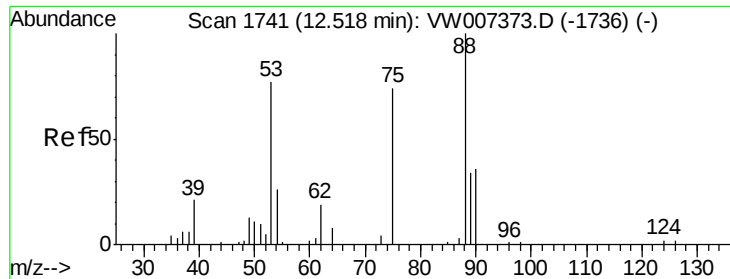
Tgt Ion: 91 Resp: 165086
 Ion Ratio Lower Upper
 91 100
 126 31.7 15.9 47.6



#80
 1,3,5-Trimethylbenzene
 Concen: 48.602 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW007373.D
 Acq: 11 Dec 2018 00:05

Tgt Ion: 105 Resp: 196406
 Ion Ratio Lower Upper
 105 100
 120 47.6 23.8 71.4





#81

trans-1,4-Dichloro-2-butene

Concen: 54.596 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW007373.D

Acq: 11 Dec 2018 00:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

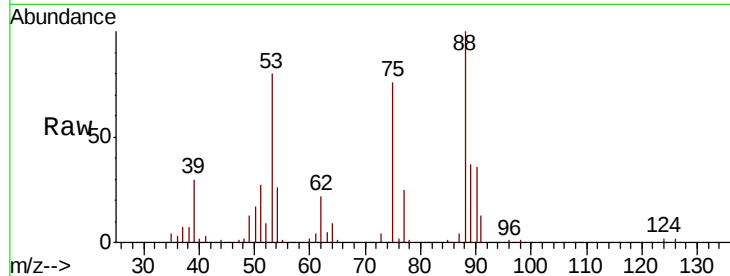
Tgt Ion: 75 Resp: 11424

Ion Ratio Lower Upper

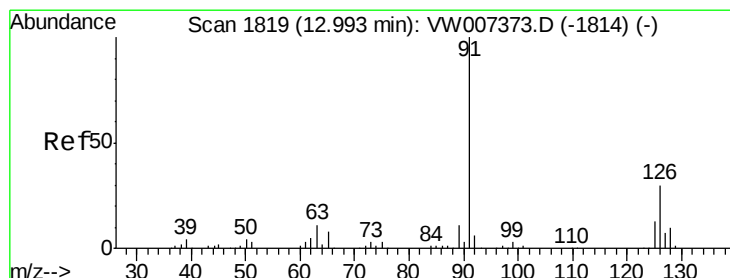
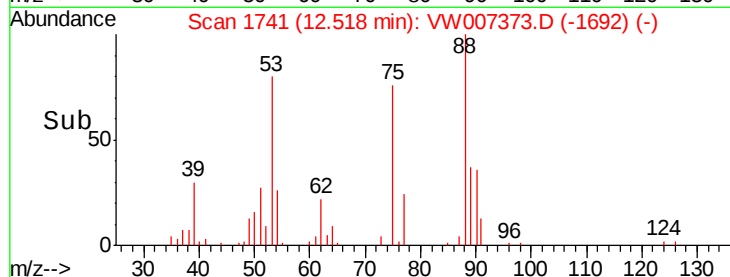
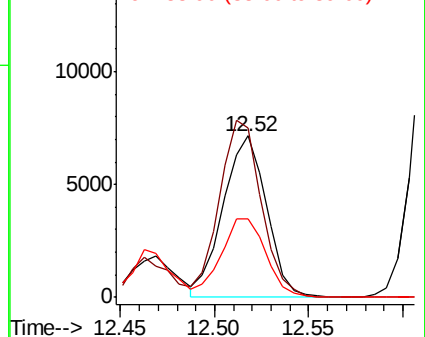
75 100

53 106.1 84.9 127.3

89 50.4 40.3 60.5



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 49.445 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW007373.D

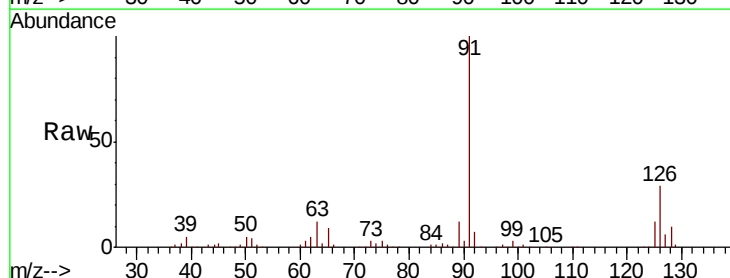
Acq: 11 Dec 2018 00:05

Tgt Ion: 91 Resp: 169190

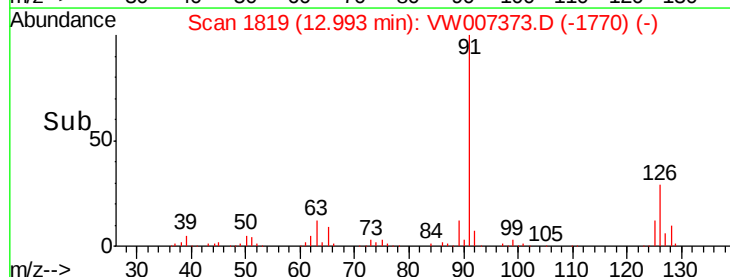
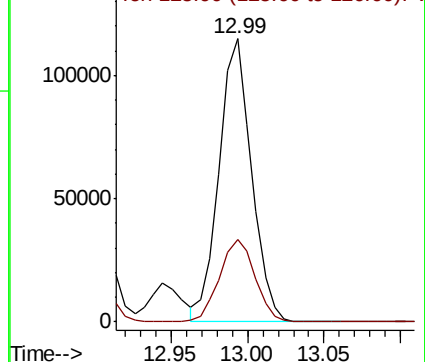
Ion Ratio Lower Upper

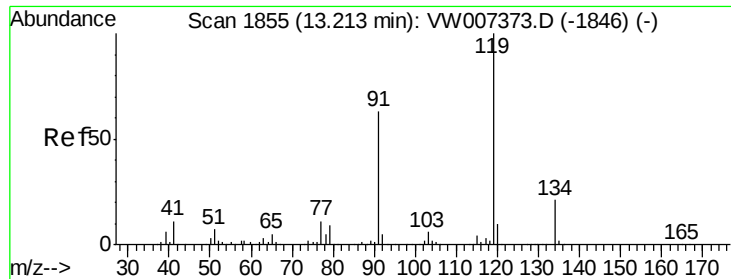
91 100

126 32.0 16.0 48.0



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 125.90 (125.60 to 126.60): V

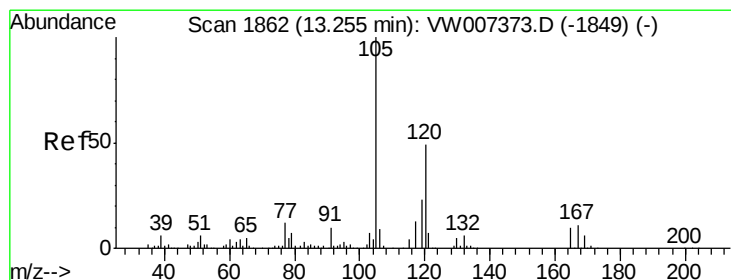
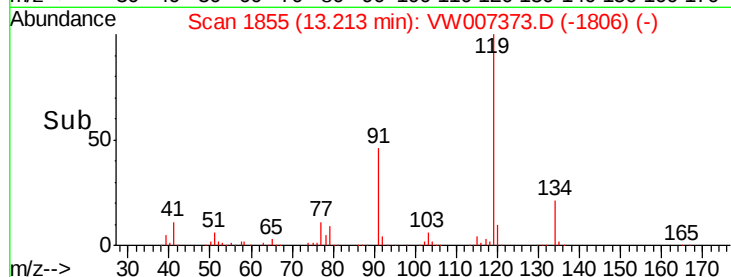
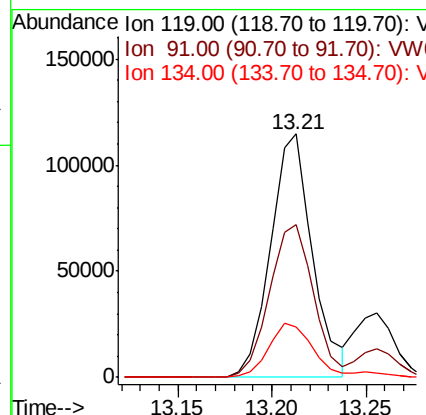
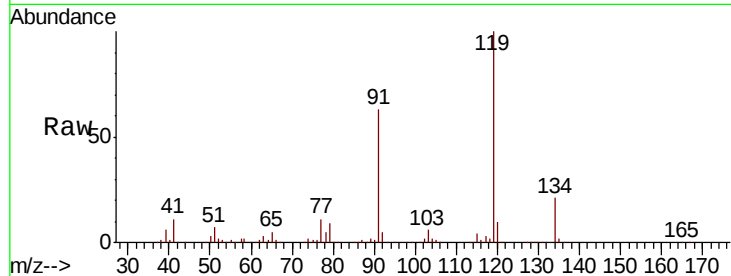




#83
 tert-Butylbenzene
 Concen: 49.351 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW007373.D
 Acq: 11 Dec 2018 00:05

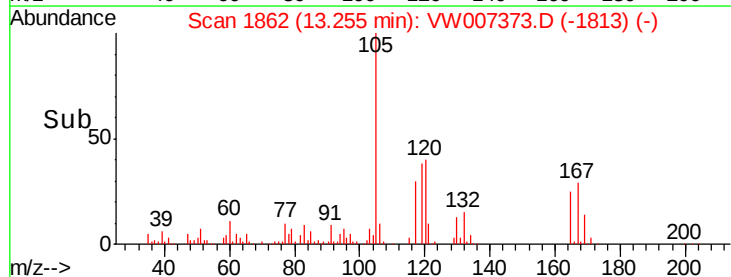
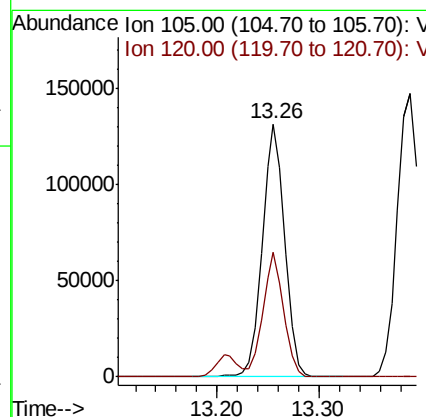
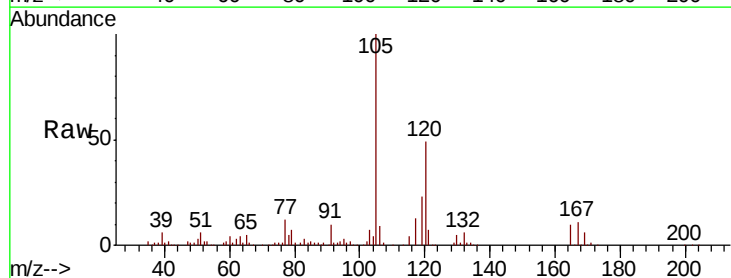
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

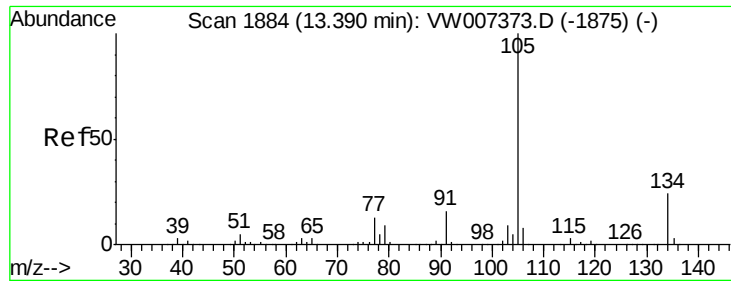
Tgt Ion:119 Resp: 176060
 Ion Ratio Lower Upper
 119 100
 91 66.1 33.1 99.2
 134 25.0 12.5 37.5



#84
 1,2,4-Trimethylbenzene
 Concen: 48.667 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW007373.D
 Acq: 11 Dec 2018 00:05

Tgt Ion:105 Resp: 201255
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.6 67.7

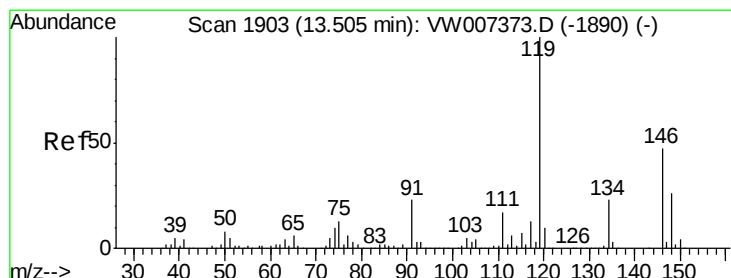
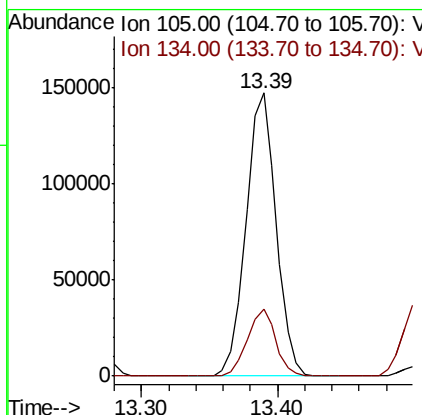
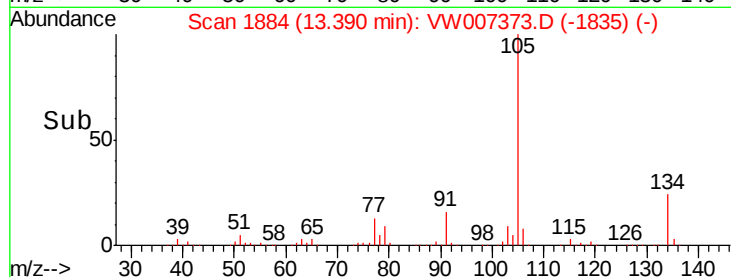
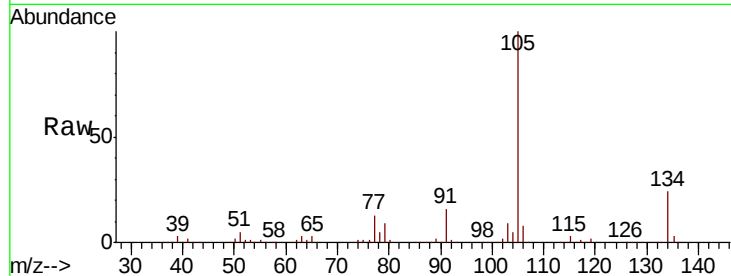




#85
 sec-Butylbenzene
 Concen: 45.284 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW007373.D
 Acq: 11 Dec 2018 00:05

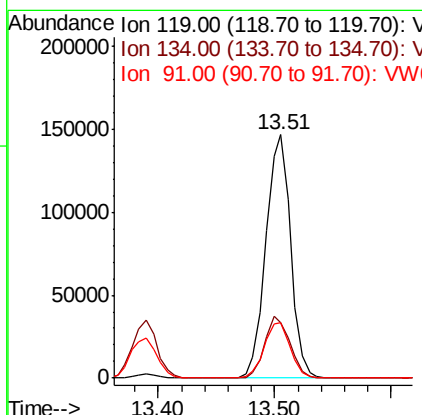
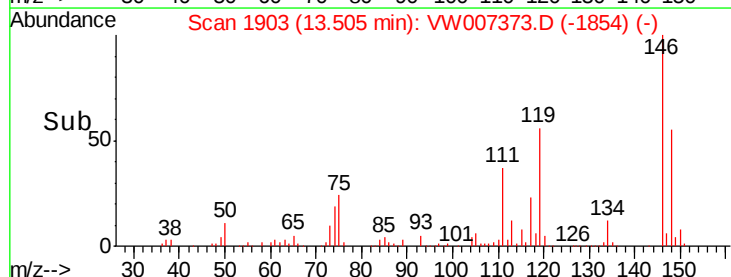
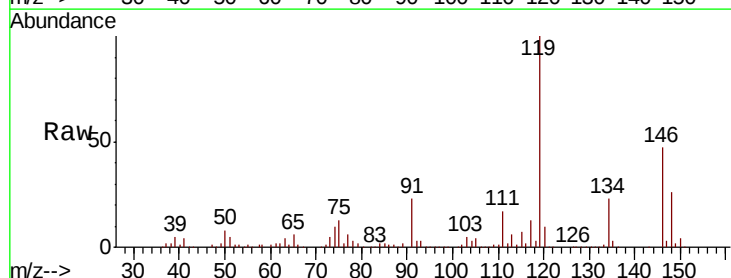
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

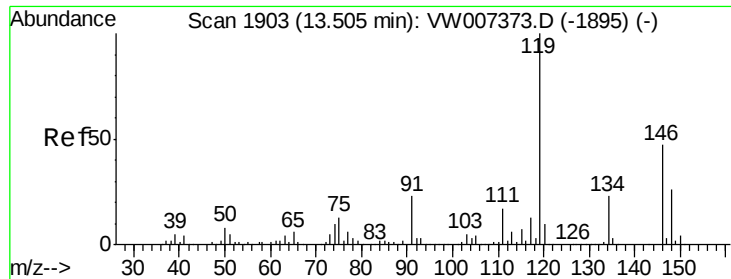
Tgt Ion:105 Resp: 227722
 Ion Ratio Lower Upper
 105 100
 134 22.2 11.1 33.3



#86
 p-Isopropyltoluene
 Concen: 48.047 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007373.D
 Acq: 11 Dec 2018 00:05

Tgt Ion:119 Resp: 217293
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.9 38.7
 91 23.9 11.9 35.9

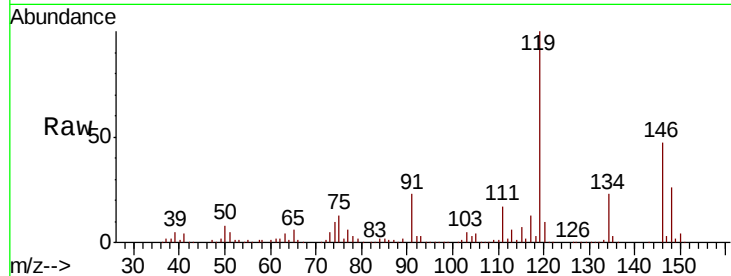




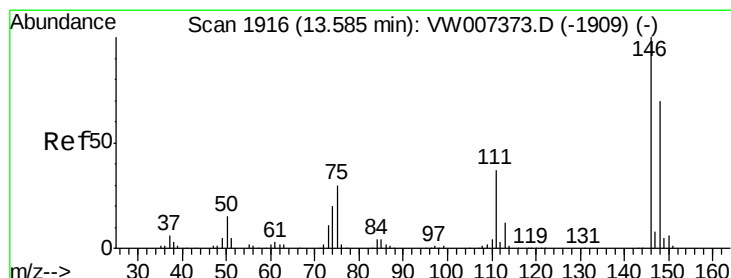
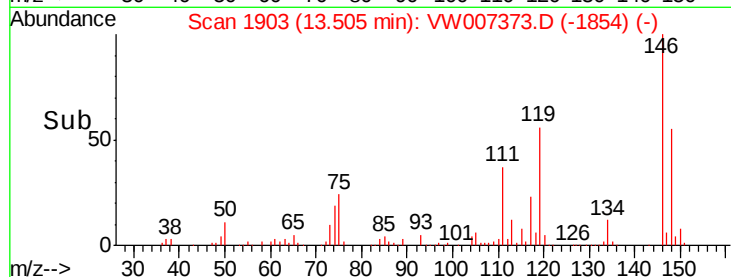
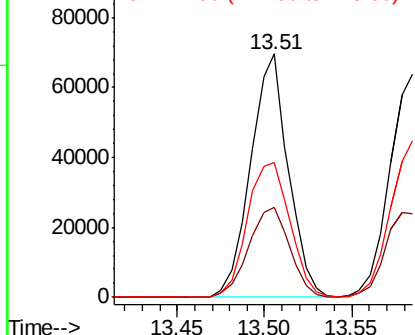
#87
 1,3-Dichlorobenzene
 Concen: 49.204 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007373.D
 Acq: 11 Dec 2018 00:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tgt Ion:146 Resp: 104218
 Ion Ratio Lower Upper
 146 100
 111 40.2 20.1 60.3
 148 62.7 31.4 94.0

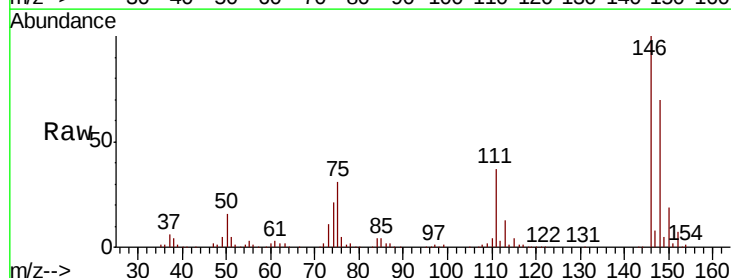


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

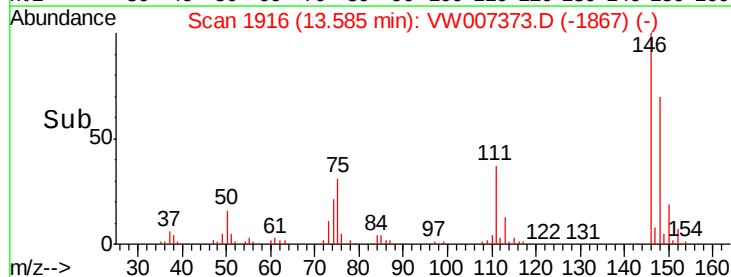
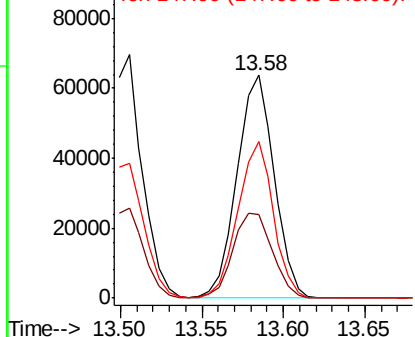


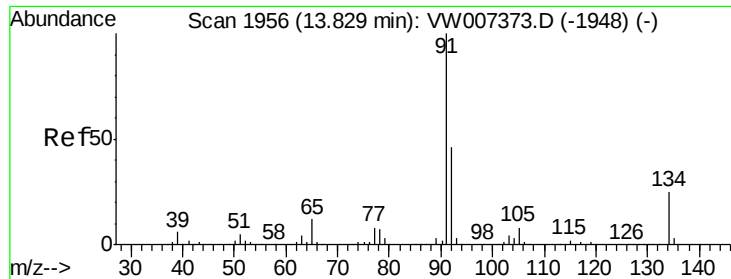
#88
 1,4-Dichlorobenzene
 Concen: 47.856 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW007373.D
 Acq: 11 Dec 2018 00:05

Tgt Ion:146 Resp: 101366
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.3 61.0
 148 67.0 33.5 100.5



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





#89

n-Butylbenzene

Concen: 47.168 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW007373.D

Acq: 11 Dec 2018 00:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

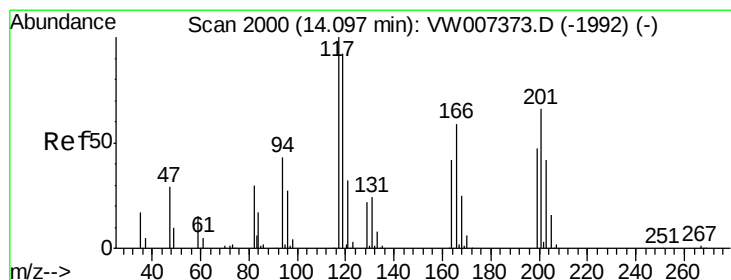
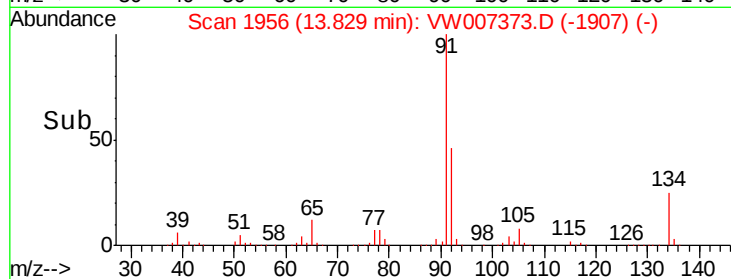
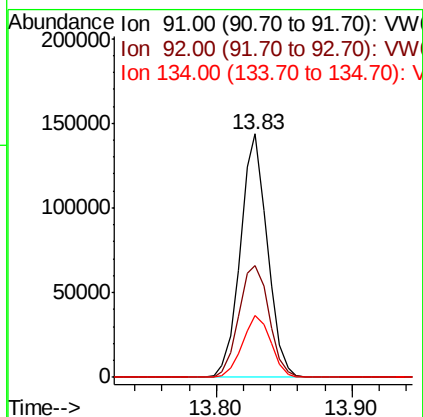
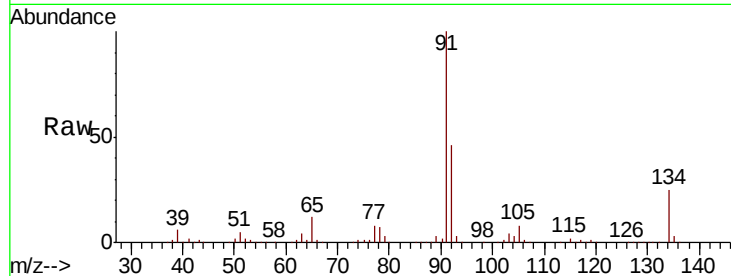
Tgt Ion: 91 Resp: 198191

Ion Ratio Lower Upper

91 100

92 51.4 25.7 77.1

134 26.8 13.4 40.2



#90

Hexachloroethane

Concen: 53.838 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW007373.D

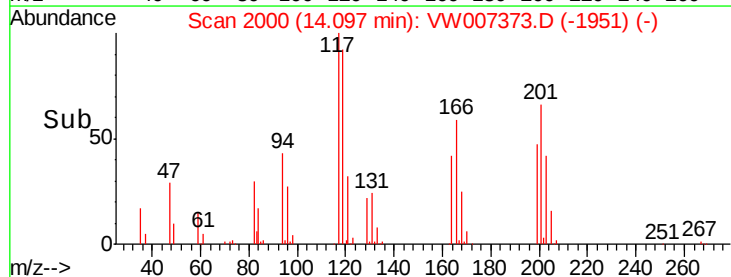
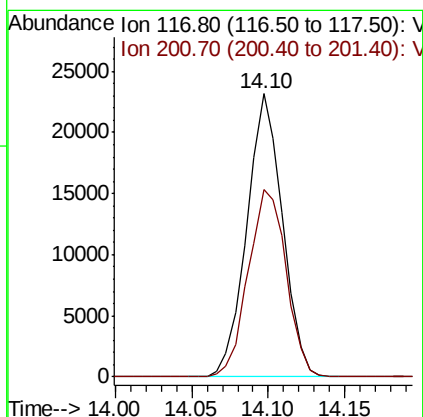
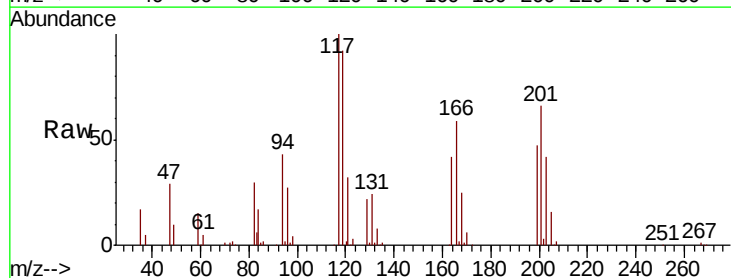
Acq: 11 Dec 2018 00:05

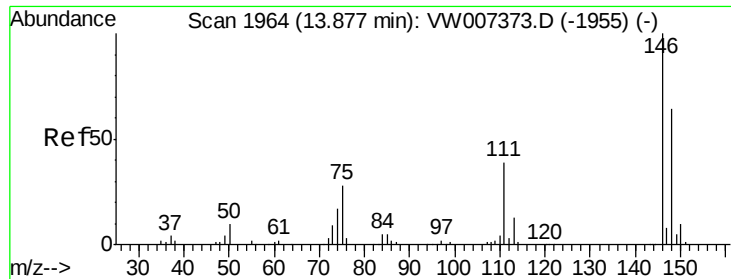
Tgt Ion: 117 Resp: 37500

Ion Ratio Lower Upper

117 100

201 70.6 35.3 105.9





#91

1,2-Dichlorobenzene

Concen: 49.824 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW007373.D

Acq: 11 Dec 2018 00:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

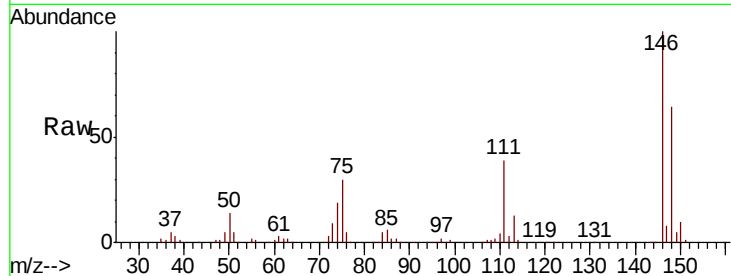
Tgt Ion:146 Resp: 90666

Ion Ratio Lower Upper

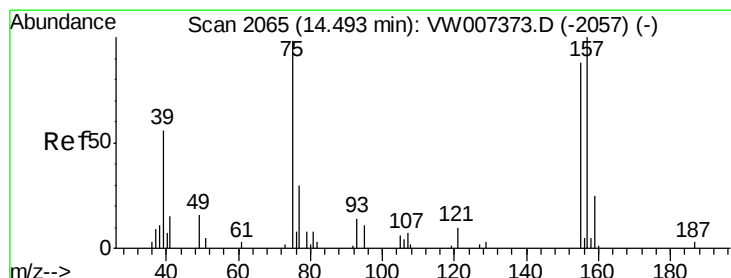
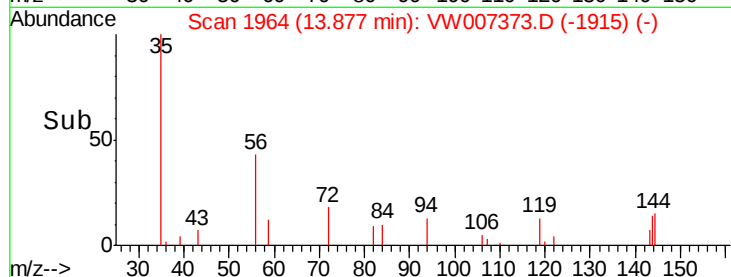
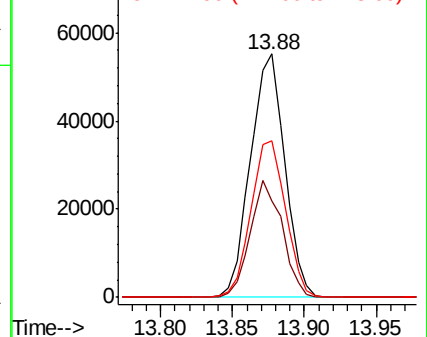
146 100

111 44.8 22.4 67.2

148 64.8 32.4 97.2



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 58.498 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW007373.D

Acq: 11 Dec 2018 00:05

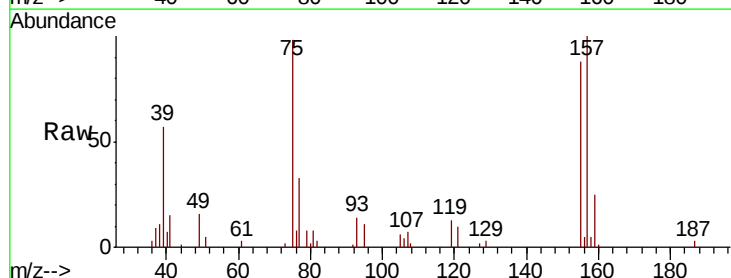
Tgt Ion: 75 Resp: 7166

Ion Ratio Lower Upper

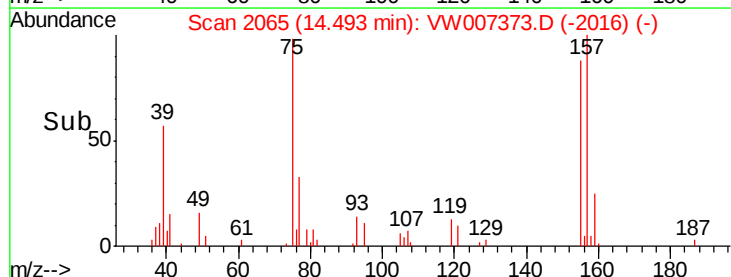
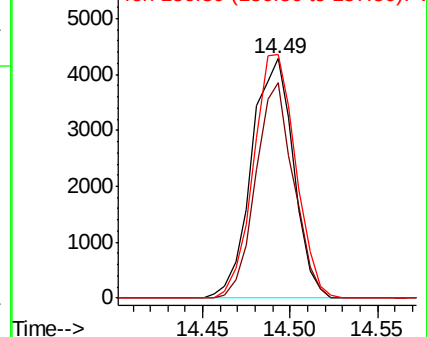
75 100

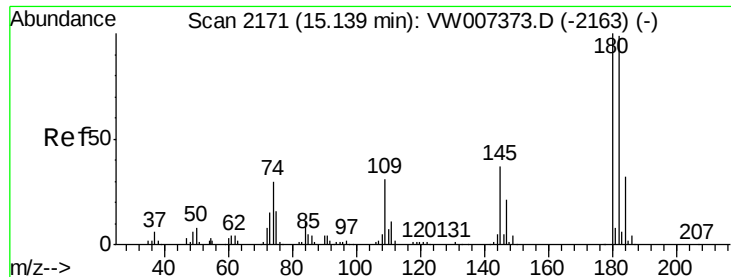
155 81.5 40.8 122.2

157 102.3 51.1 153.4



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

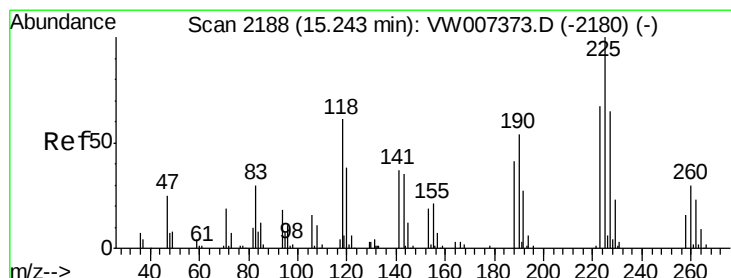
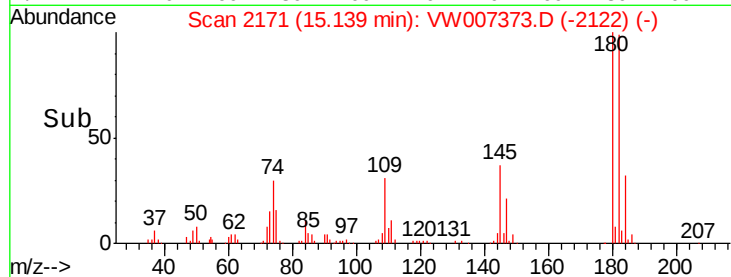
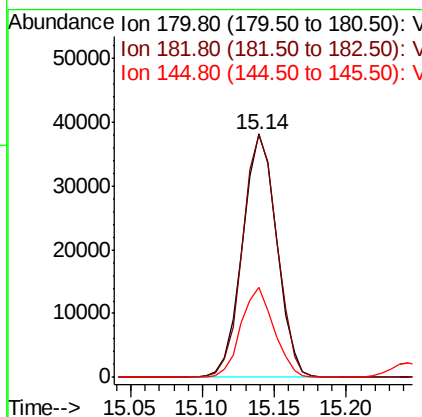
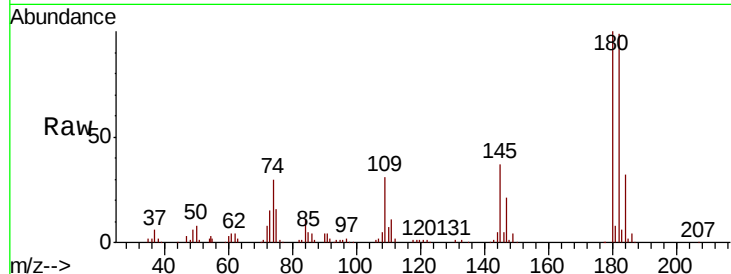




#93
 1,2,4-Trichlorobenzene
 Concen: 49.843 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW007373.D
 Acq: 11 Dec 2018 00:05

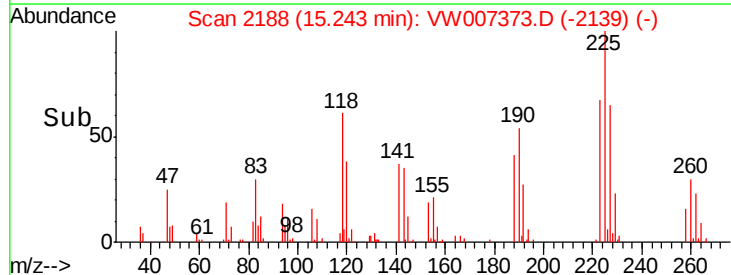
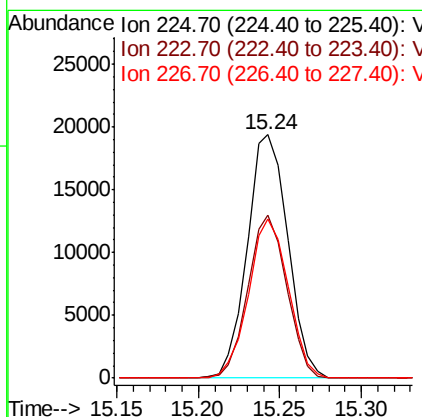
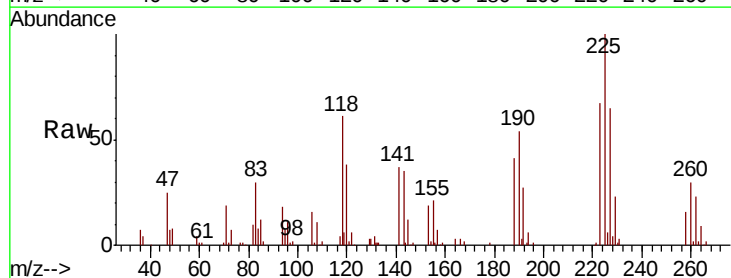
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

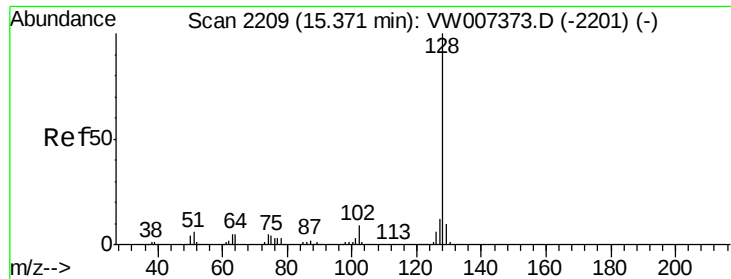
Tgt Ion:180 Resp: 62869
 Ion Ratio Lower Upper
 180 100
 182 99.7 49.9 149.6
 145 35.6 17.8 53.4



#94
 Hexachlorobutadiene
 Concen: 49.162 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW007373.D
 Acq: 11 Dec 2018 00:05

Tgt Ion:225 Resp: 33512
 Ion Ratio Lower Upper
 225 100
 223 64.2 32.1 96.3
 227 63.9 31.9 95.9

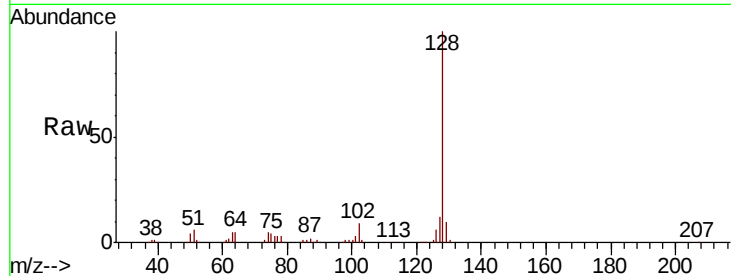




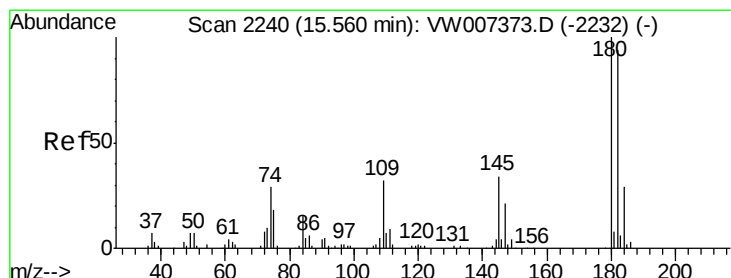
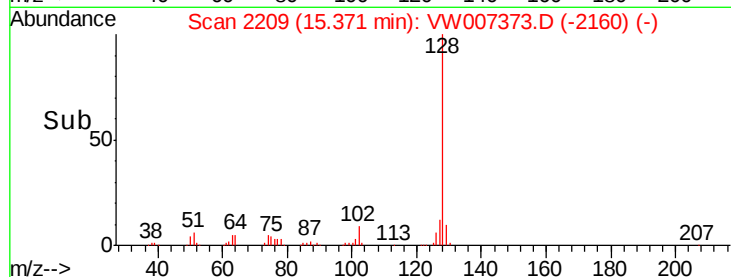
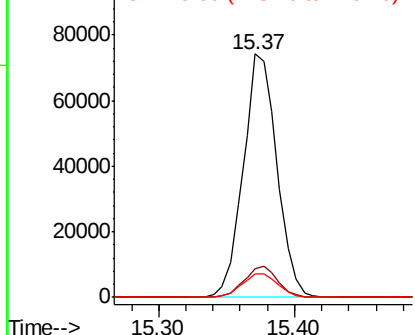
#95
Naphthalene
Concen: 55.976 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW007373.D
Acq: 11 Dec 2018 00:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 128478
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 10.4 8.3 12.5

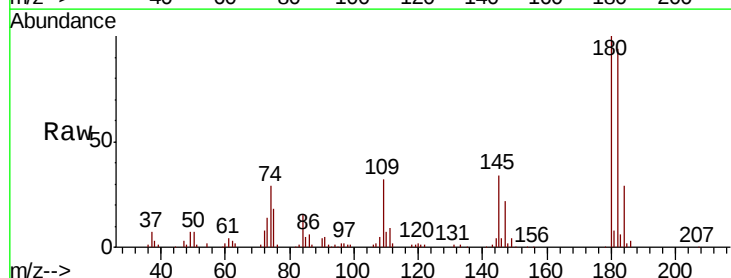


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 53.039 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW007373.D
Acq: 11 Dec 2018 00:05

Tgt Ion:180 Resp: 57279
Ion Ratio Lower Upper
180 100
182 91.1 45.6 136.7
145 35.0 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

