

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121318\
 Data File : VW007432.D
 Acq On : 12 Dec 2018 09:06
 Operator : SY/AP
 Sample : VSTDCCC050EC
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 12 11:12:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	83078	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	141614	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	128243	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	61971	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	45694	49.58	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.16%		
35) Dibromofluoromethane	7.88	113	43593	50.85	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.70%		
50) Toluene-d8	10.32	98	165981	51.64	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.28%		
62) 4-Bromofluorobenzene	12.62	95	62376	52.78	ug/l	0.00
Spiked Amount 50.000			Recovery =	105.56%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	23631	40.704	ug/l	100
3) Chloromethane	2.22	50	21529	44.278	ug/l	100
4) Vinyl Chloride	2.37	62	25550	44.778	ug/l	95
5) Bromomethane	2.78	94	17492	45.627	ug/l	99
6) Chloroethane	2.93	64	14480	46.101	ug/l	99
7) Trichlorofluoromethane	3.26	101	23169	45.165	ug/l	99
8) Diethyl Ether	3.67	74	19954	49.698	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	37994	44.886	ug/l	95
10) Methyl Iodide	4.26	142	67841	48.392	ug/l	98
11) Tert butyl alcohol	5.17	59	13633	215.371	ug/l	98
12) 1,1-Dichloroethene	4.04	96	38629	47.399	ug/l	96
13) Acrolein	3.89	56	9670	230.869	ug/l	93
14) Allyl chloride	4.67	41	55798	46.449	ug/l	99
15) Acrylonitrile	5.37	53	40169	237.325	ug/l	99
16) Acetone	4.12	43	33447	207.757	ug/l	95
17) Carbon Disulfide	4.37	76	117460	47.535	ug/l	98
18) Methyl Acetate	4.67	43	20383	46.649	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	59718	48.574	ug/l	99
20) Methylene Chloride	4.90	84	42182	47.736	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	44274	48.564	ug/l	98
22) Diisopropyl ether	6.31	45	111309	48.206	ug/l	98
23) Vinyl Acetate	6.25	43	300351	232.555	ug/l	98
24) 1,1-Dichloroethane	6.21	63	74717	47.877	ug/l	100
25) 2-Butanone	7.17	43	48059	228.663	ug/l	96
26) 2,2-Dichloropropane	7.17	77	44566	43.149	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	48899	48.985	ug/l	99
28) Bromochloromethane	7.51	49	27509	46.863	ug/l	99
29) Tetrahydrofuran	7.53	42	31398	235.979	ug/l	99
30) Chloroform	7.67	83	82287	48.453	ug/l	98
31) Cyclohexane	7.95	56	60934	42.557	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	71946	48.309	ug/l	100
36) 1,1-Dichloropropene	8.08	75	61814	47.849	ug/l	99
37) Ethyl Acetate	7.25	43	21958	45.700	ug/l	98
38) Carbon Tetrachloride	8.07	117	67790	48.227	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	73964	47.283	ug/l	91
40) Benzene	8.32	78	175932	49.073	ug/l	99
41) Methacrylonitrile	7.48	41	13388	48.930	ug/l	97
42) 1,2-Dichloroethane	8.40	62	55148	48.969	ug/l	99
43) Isopropyl Acetate	8.43	43	44340	46.718	ug/l	98
44) Trichloroethene	9.09	130	50406	49.236	ug/l	99
45) 1,2-Dichloropropane	9.37	63	41267	49.741	ug/l	98
46) Dibromomethane	9.46	93	23598	50.087	ug/l	95
47) Bromodichloromethane	9.65	83	61584	49.833	ug/l #	89
48) Methyl methacrylate	9.43	41	22632	46.430	ug/l	95
49) 1,4-Dioxane	9.45	88	7339	960.030	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	108786	242.581	ug/l	99
52) Toluene	10.39	92	116129	50.054	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	57847	48.216	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	66296	47.800	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	32776	51.115	ug/l	95
56) Ethyl methacrylate	10.65	69	39427	51.156	ug/l	98
57) 1,3-Dichloropropane	10.93	76	54302	51.595	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	90997	256.029	ug/l	99
59) 2-Hexanone	10.97	43	76251	254.996	ug/l	100
60) Dibromochloromethane	11.13	129	41677	51.503	ug/l	100
61) 1,2-Dibromoethane	11.24	107	32123	50.693	ug/l	97
64) Tetrachloroethene	10.87	164	45312	49.133	ug/l	96
65) Chlorobenzene	11.66	112	130741	48.912	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	45823	48.674	ug/l	99
67) Ethyl Benzene	11.73	91	229535	49.947	ug/l	93
68) m/p-Xylenes	11.84	106	175479	98.221	ug/l	99
69) o-Xylene	12.17	106	83237	49.886	ug/l	98
70) Styrene	12.18	104	136995	50.832	ug/l	98
71) Bromoform	12.35	173	23028	47.790	ug/l #	100
73) Isopropylbenzene	12.47	105	231410	48.734	ug/l	98
74) N-amyl acetate	12.27	43	41271	47.823	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	34234	48.676	ug/l	93
76) 1,2,3-Trichloropropane	12.77	75	47366	92.698	ug/l #	1
77) Bromobenzene	12.75	156	52095	49.494	ug/l	97
78) n-propylbenzene	12.81	91	267966	50.144	ug/l	100
79) 2-Chlorotoluene	12.90	91	157505	48.710	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	198917	49.855	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	10506	45.419	ug/l	92
82) 4-Chlorotoluene	12.99	91	166610	48.881	ug/l	97
83) tert-Butylbenzene	13.21	119	171654	48.826	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	199645	48.625	ug/l	100
85) sec-Butylbenzene	13.39	105	235716	49.115	ug/l	96
86) p-Isopropyltoluene	13.50	119	212799	49.356	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	104316	49.708	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	103904	49.249	ug/l	97
89) n-Butylbenzene	13.83	91	195974	49.030	ug/l	99
90) Hexachloroethane	14.10	117	37132	48.402	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	92503	49.214	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6743	47.776	ug/l	99

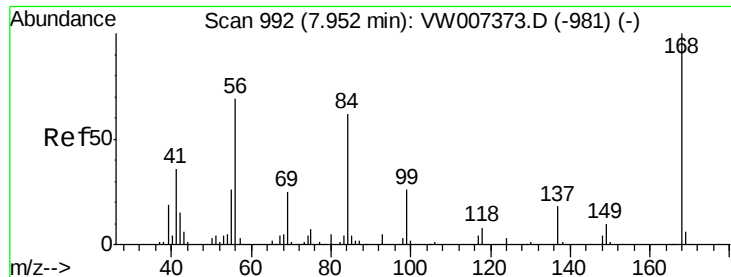
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	62415	48.252	ug/l	96
94) Hexachlorobutadiene	15.24	225	31680	46.159	ug/l	99
95) Naphthalene	15.38	128	120490	48.692	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	54682	48.664	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007432.D

Acq: 12 Dec 2018 09:06

Instrument :

MSVOA_W

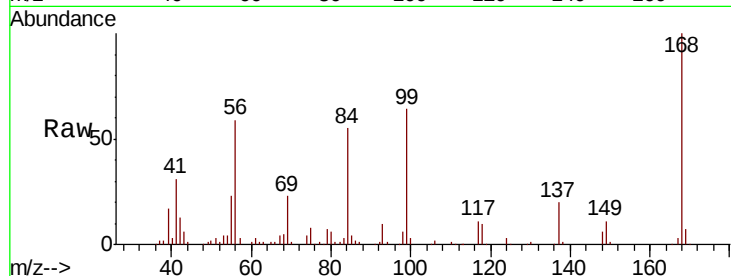
ClientSampleId :

Tot Ion:168 Resp: 83078

Ion Ratio Lower Upper

168 100

99 64.0 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

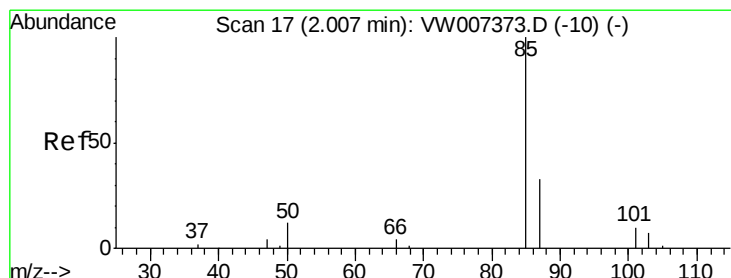
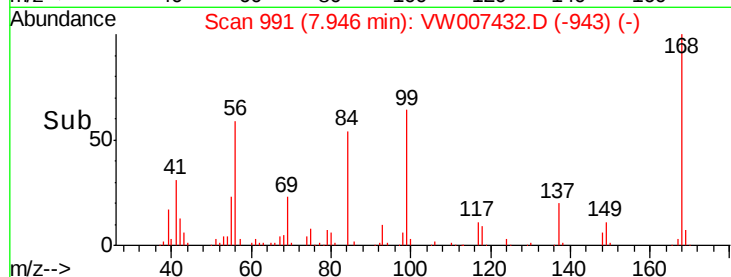
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 40.704 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW007432.D

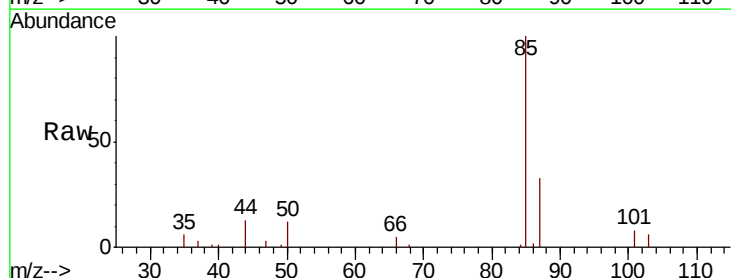
Acq: 12 Dec 2018 09:06

Tgt Ion: 85 Resp: 23631

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

2.01

8000

6000

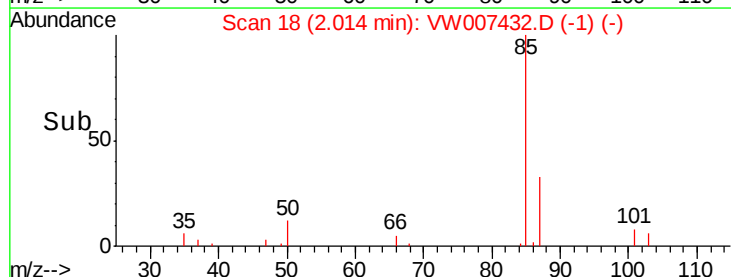
4000

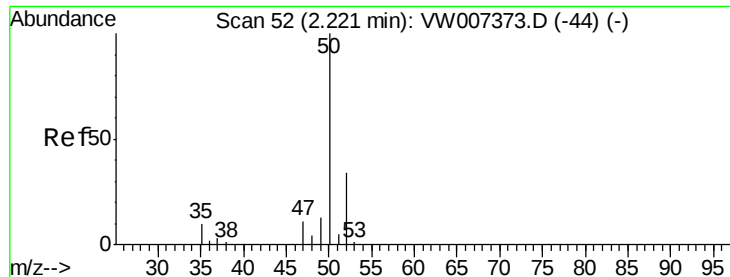
2000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 44.278 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW007432.D

Acq: 12 Dec 2018 09:06

Instrument :

MSVOA_W

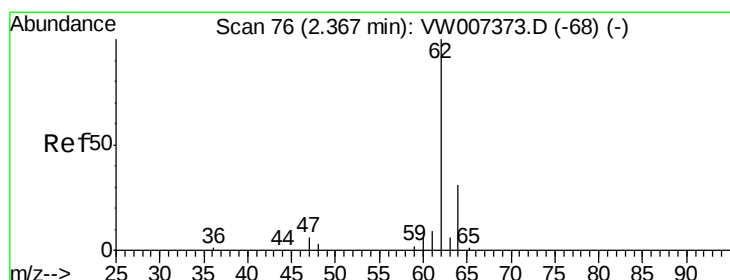
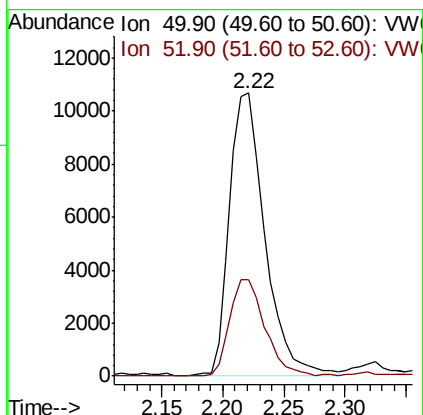
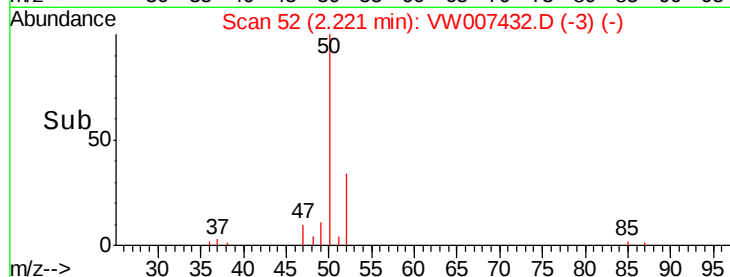
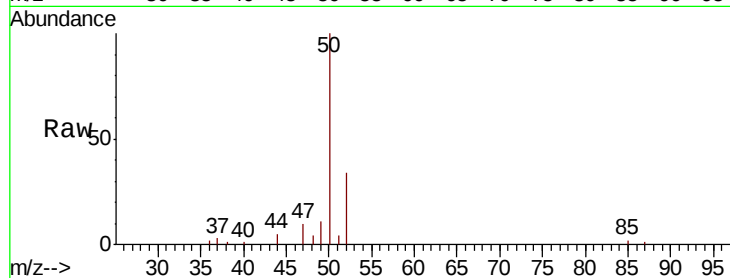
ClientSampleId :

Tot Ion: 50 Resp: 21529

Ion Ratio Lower Upper

50 100

52 34.0 27.4 41.0



#4

Vinyl Chloride

Concen: 44.778 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW007432.D

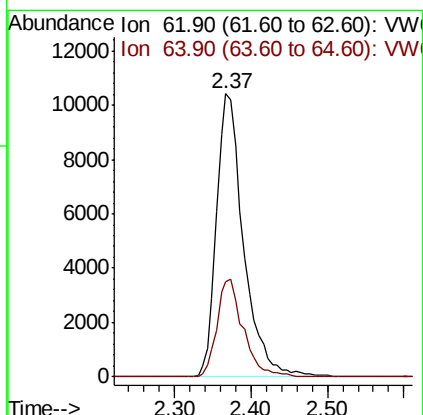
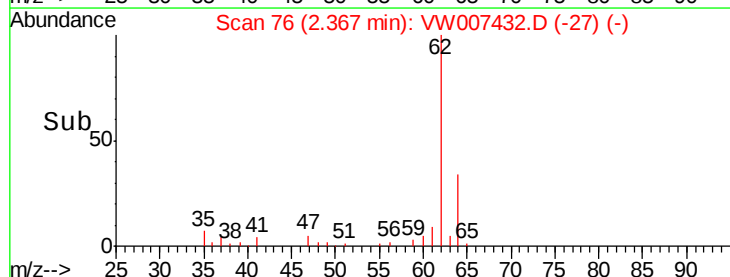
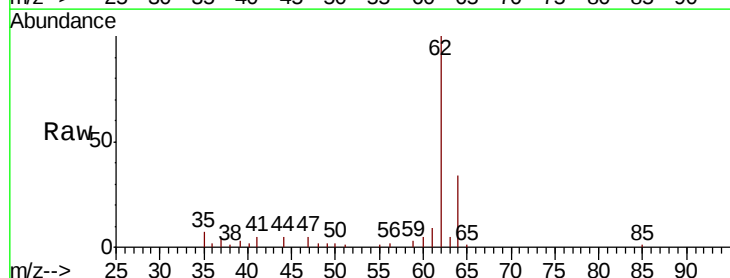
Acq: 12 Dec 2018 09:06

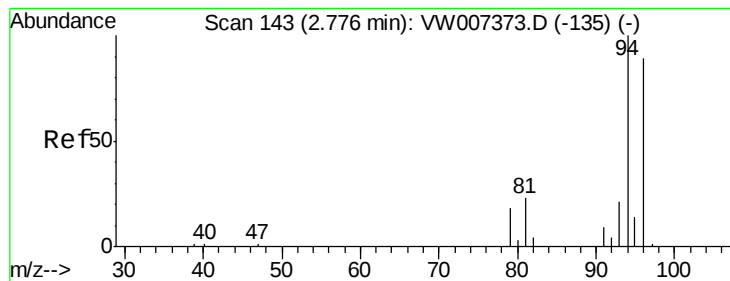
Tgt Ion: 62 Resp: 25550

Ion Ratio Lower Upper

62 100

64 33.7 24.6 37.0





#5

Bromomethane

Concen: 45.627 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW007432.D

Acq: 12 Dec 2018 09:06

Instrument :

MSVOA_W

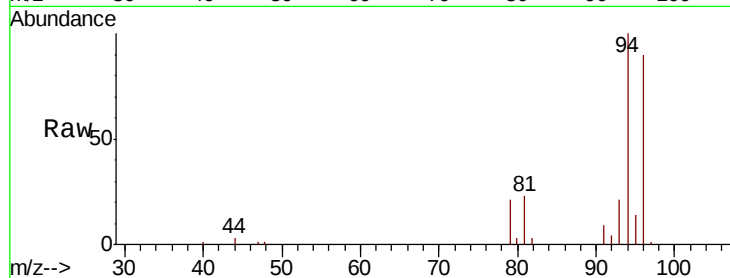
ClientSampleId :

Tot Ion: 94 Resp: 17492

Ion Ratio Lower Upper

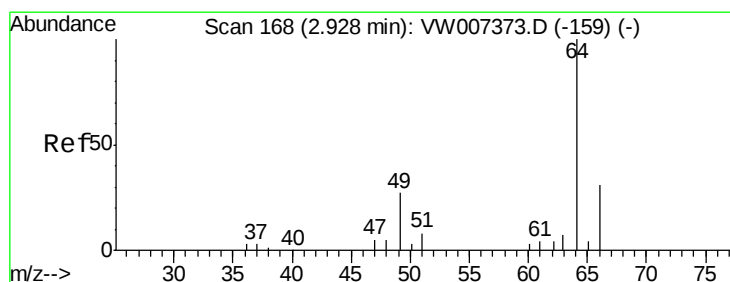
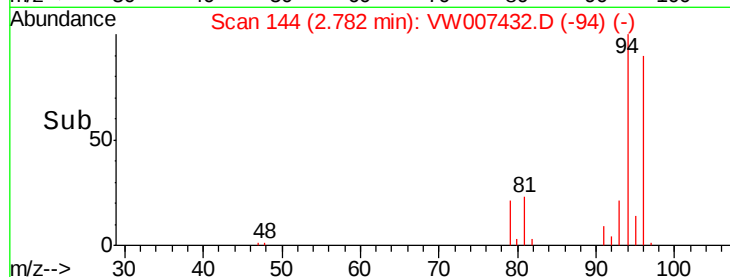
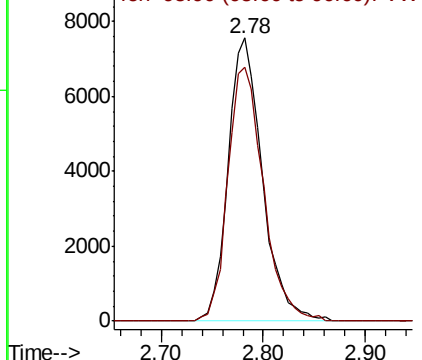
94 100

96 89.6 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: 46.101 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW007432.D

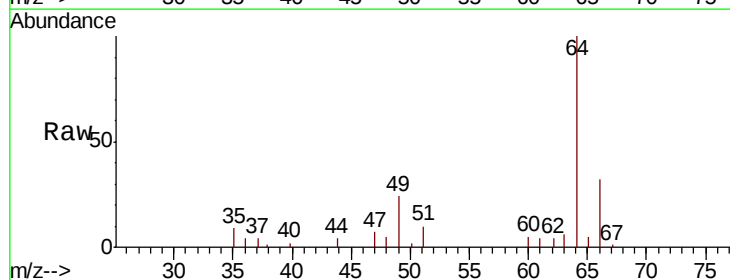
Acq: 12 Dec 2018 09:06

Tgt Ion: 64 Resp: 14480

Ion Ratio Lower Upper

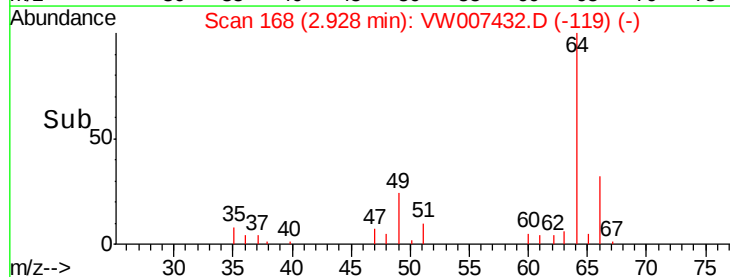
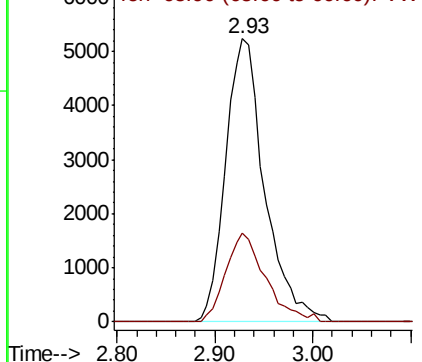
64 100

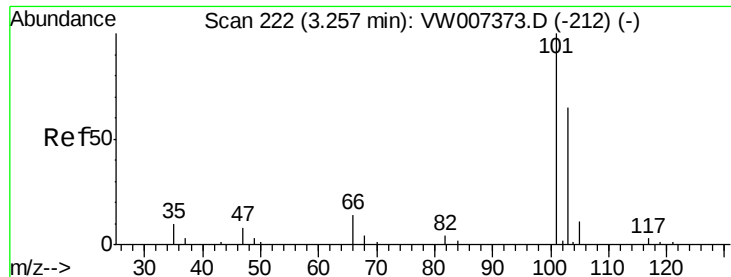
66 31.6 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



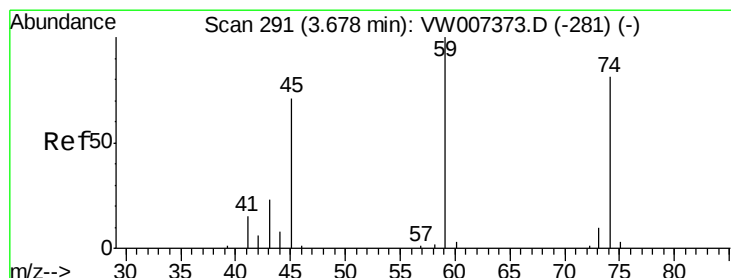
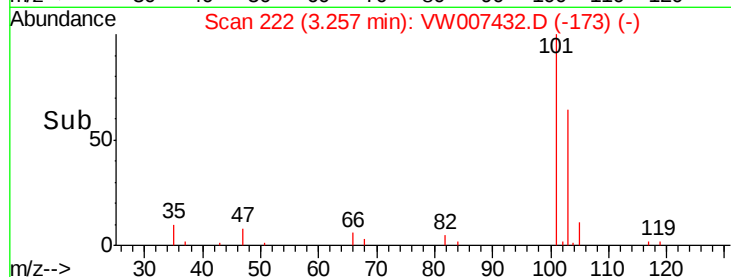
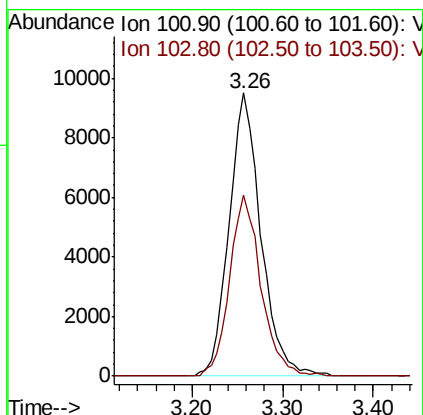
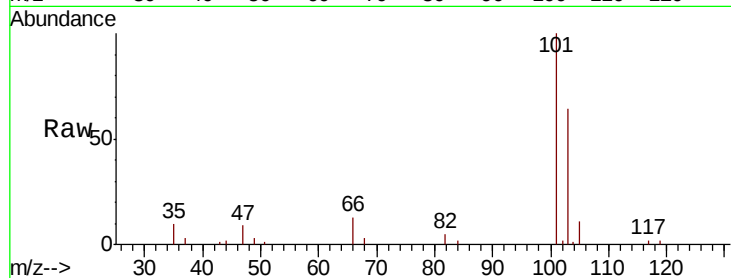


#7

Trichlorofluoromethane
 Concen: 45.165 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW007432.D
 Acq: 12 Dec 2018 09:06

Instrument :
 MSVOA_W
 ClientSampled :

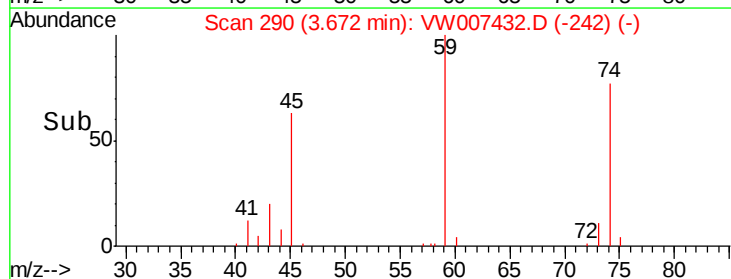
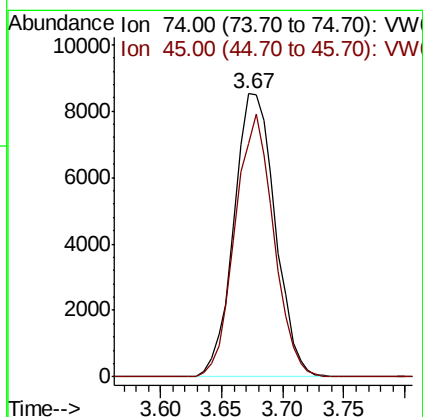
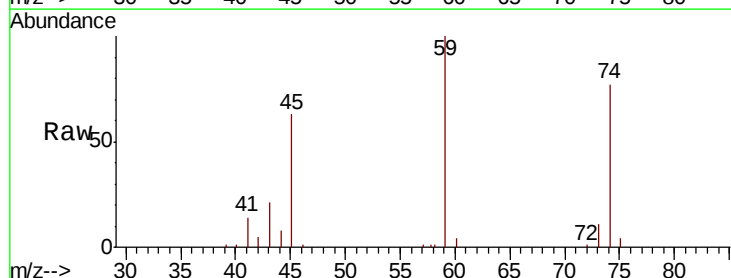
Tot Ion:101 Resp: 23169
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.7 77.5

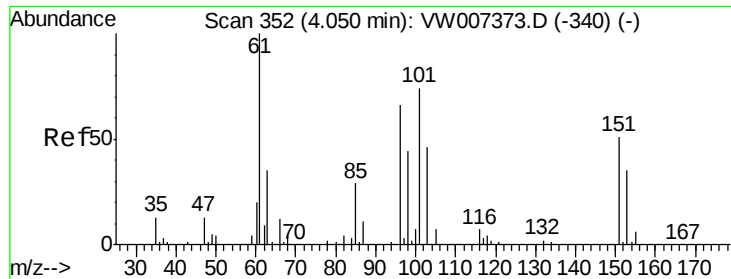


#8

Diethyl Ether
 Concen: 49.698 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW007432.D
 Acq: 12 Dec 2018 09:06

Tgt Ion: 74 Resp: 19954
 Ion Ratio Lower Upper
 74 100
 45 86.7 43.0 129.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.886 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW007432.D

Acq: 12 Dec 2018 09:06

Instrument :

MSVOA_W

ClientSampleId :

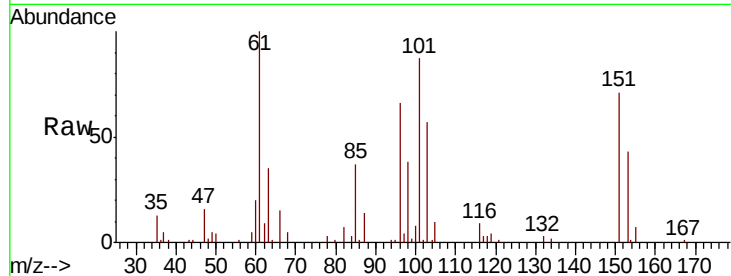
Tot Ion:101 Resp: 37994

Ion Ratio Lower Upper

101 100

85 44.9 33.9 50.9

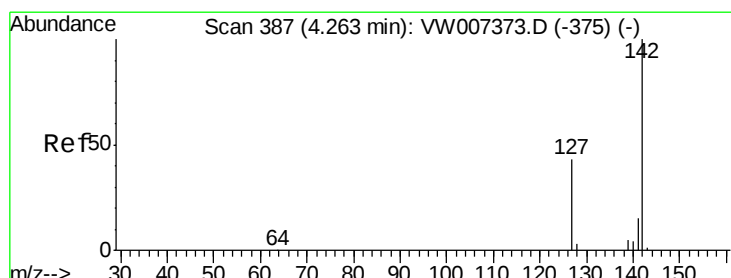
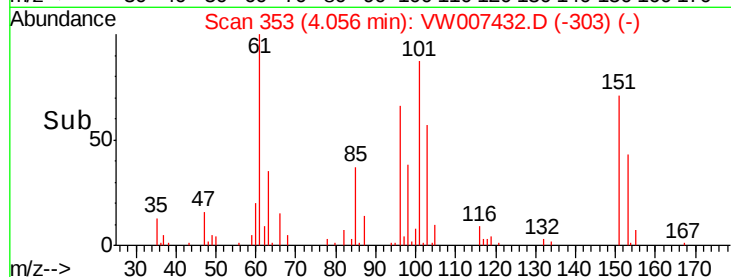
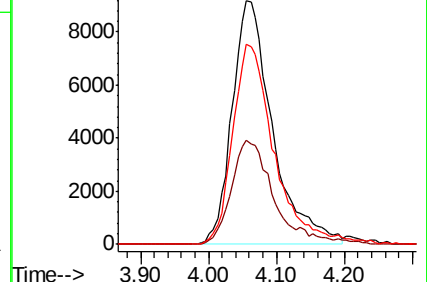
151 84.1 63.7 95.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VV

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.392 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW007432.D

Acq: 12 Dec 2018 09:06

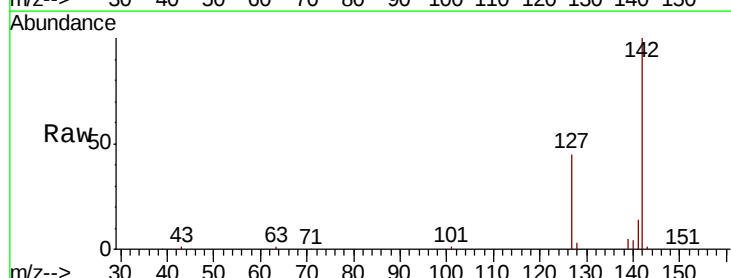
Tgt Ion:142 Resp: 67841

Ion Ratio Lower Upper

142 100

127 45.9 35.8 53.6

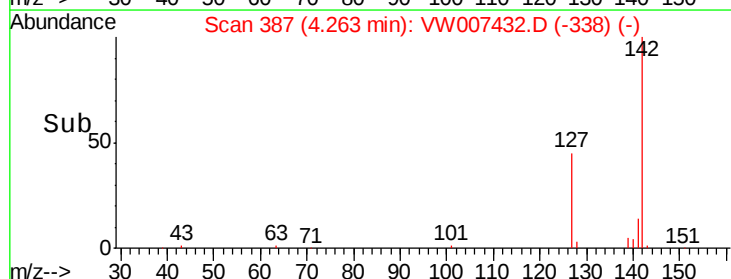
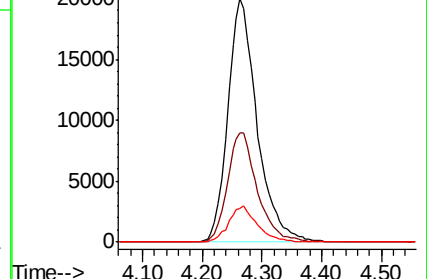
141 14.3 11.1 16.7

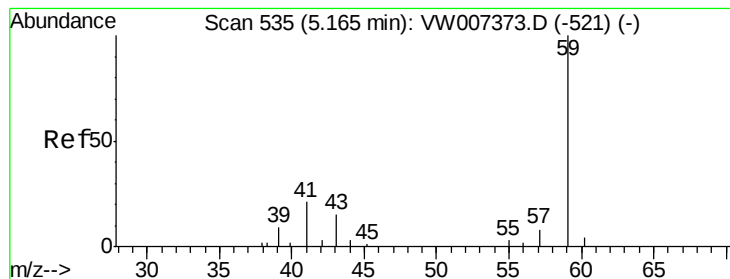


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



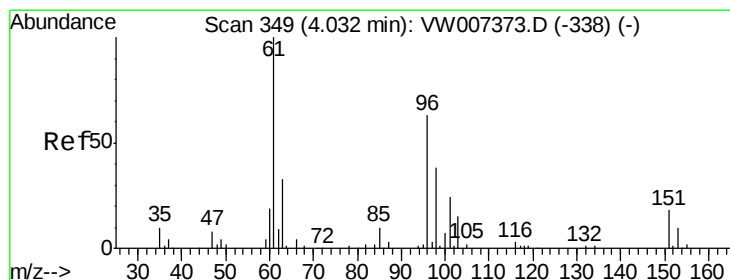
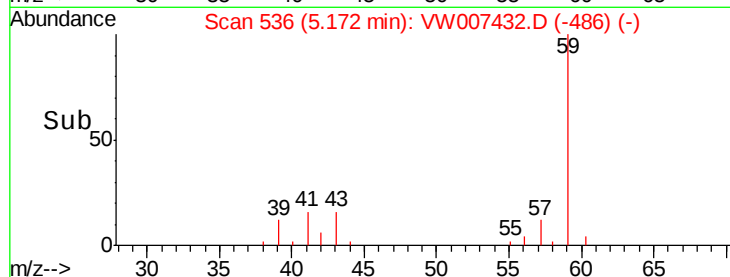
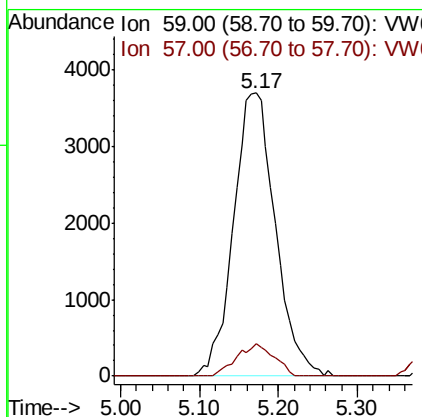
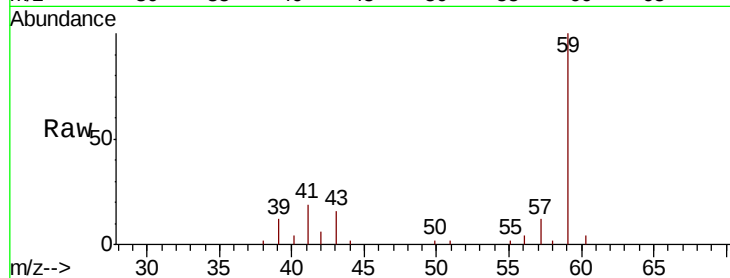


#11

Tert butyl alcohol
 Concen: 215.371 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW007432.D
 Acq: 12 Dec 2018 09:06

Instrument :
 MSVOA_W
 ClientSampleId :

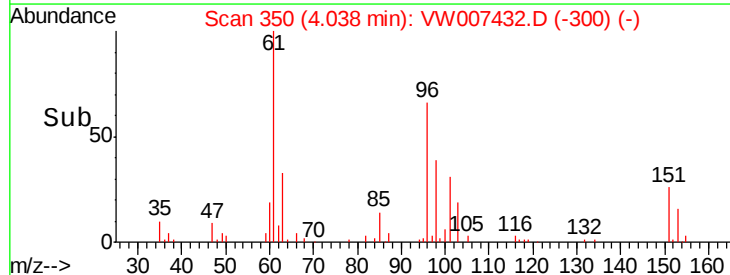
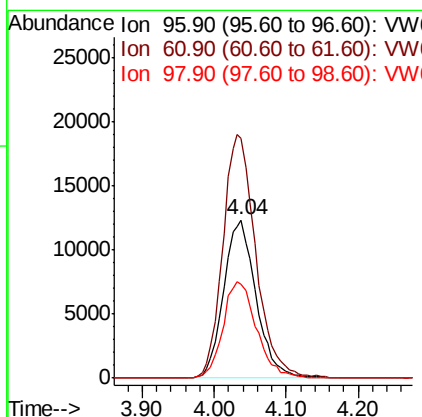
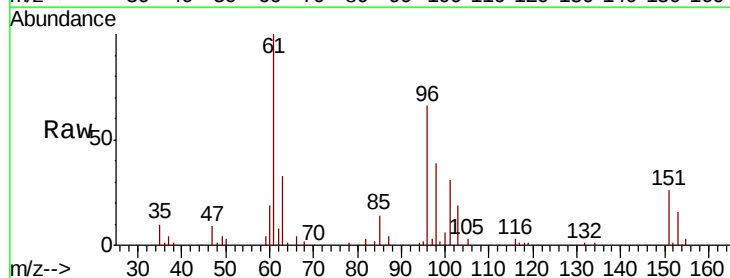
Tot Ion: 59 Resp: 13633
 Ion Ratio Lower Upper
 59 100
 57 10.1 7.6 11.4

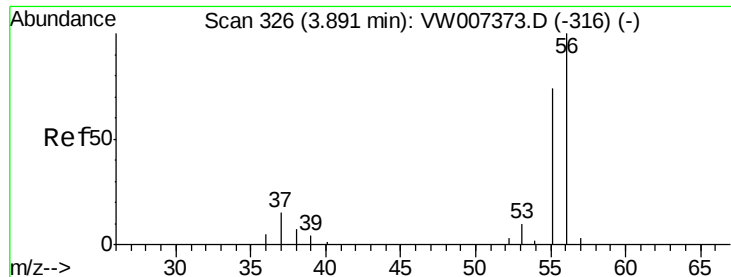


#12

1,1-Dichloroethene
 Concen: 47.399 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.01 min
 Lab File: VW007432.D
 Acq: 12 Dec 2018 09:06

Tgt Ion: 96 Resp: 38629
 Ion Ratio Lower Upper
 96 100
 61 151.3 126.2 189.2
 98 59.4 48.3 72.5

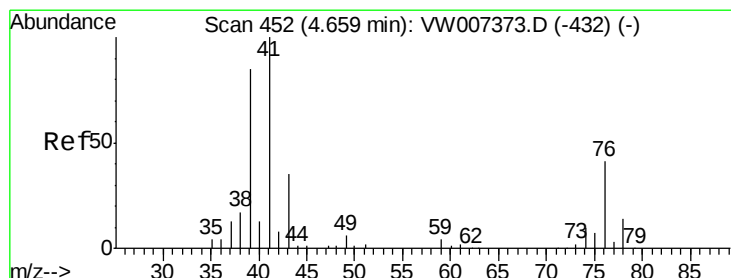
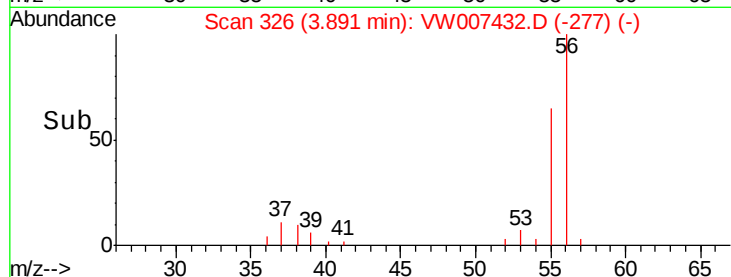
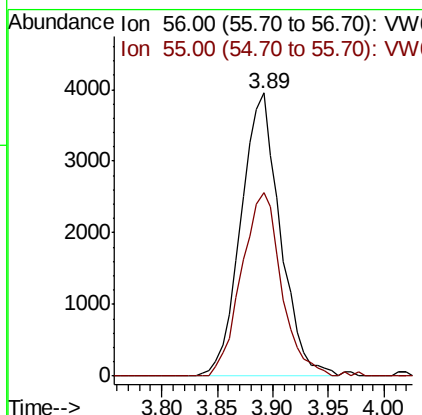
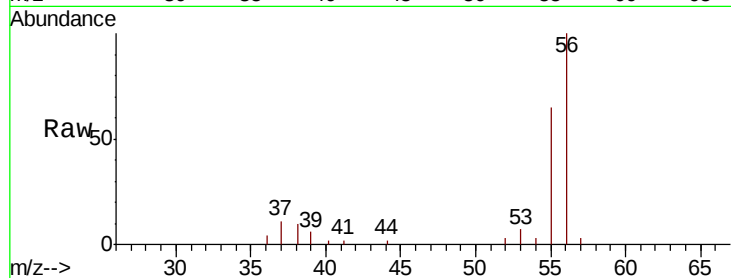




#13
Acrolein
Concen: 230.869 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.00 min
Lab File: VW007432.D
Acq: 12 Dec 2018 09:06

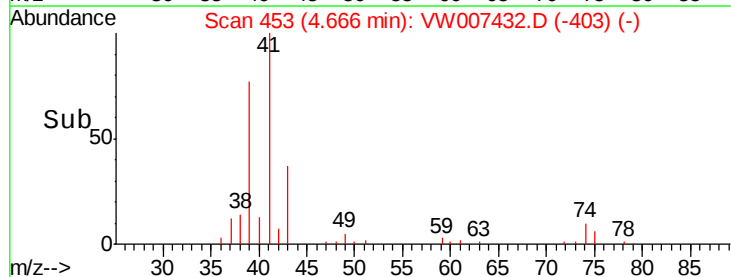
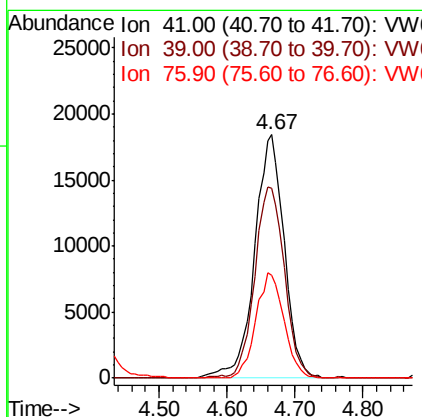
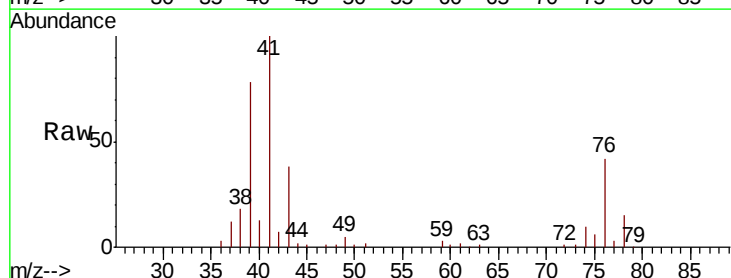
Instrument :
MSVOA_W
ClientSampleId :

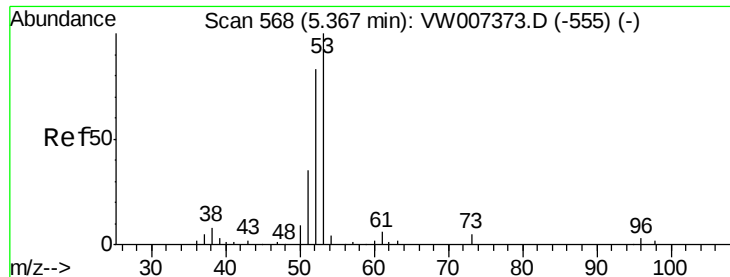
Tot Ion: 56 Resp: 9670
Ion Ratio Lower Upper
56 100
55 65.9 57.4 86.2



#14
Allyl chloride
Concen: 46.449 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.01 min
Lab File: VW007432.D
Acq: 12 Dec 2018 09:06

Tgt Ion: 41 Resp: 55798
Ion Ratio Lower Upper
41 100
39 79.2 63.4 95.2
76 41.1 32.1 48.1





#15

Acrylonitrile

Concen: 237.325 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW007432.D

Acq: 12 Dec 2018 09:06

Instrument :

MSVOA_W

ClientSampleId :

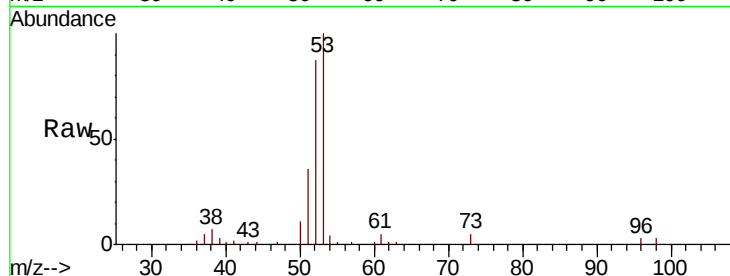
Tot Ion: 53 Resp: 40169

Ion Ratio Lower Upper

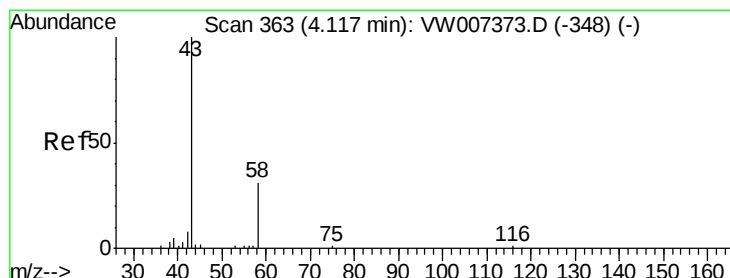
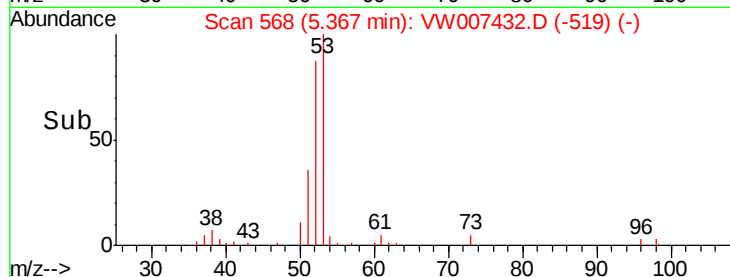
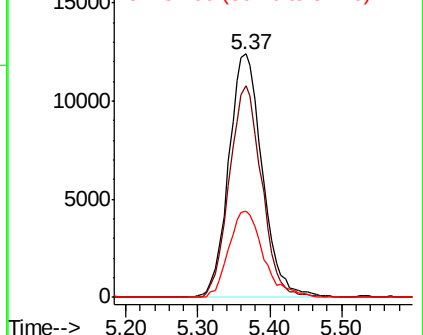
53 100

52 83.5 67.4 101.2

51 36.5 30.2 45.2



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 207.757 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW007432.D

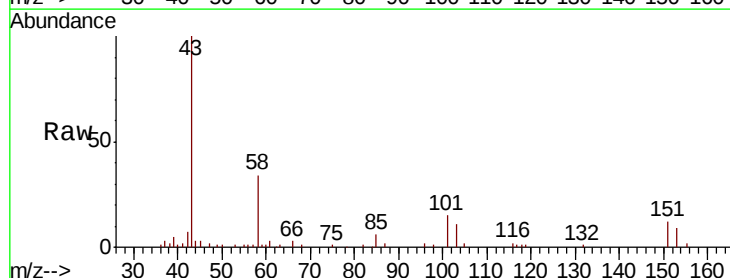
Acq: 12 Dec 2018 09:06

Tgt Ion: 43 Resp: 33447

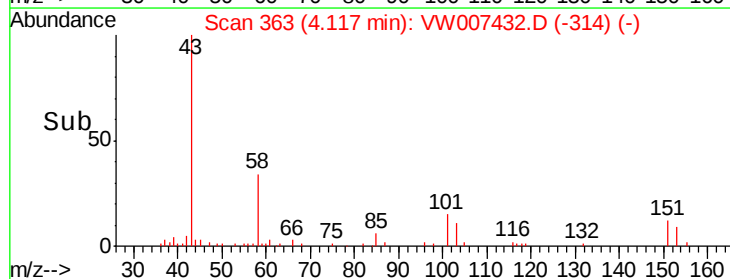
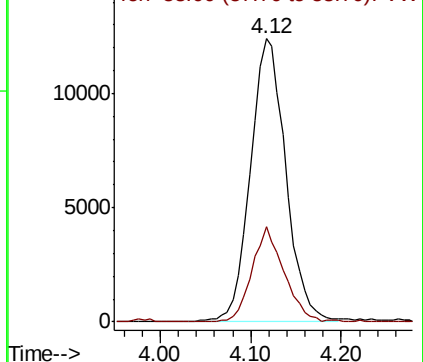
Ion Ratio Lower Upper

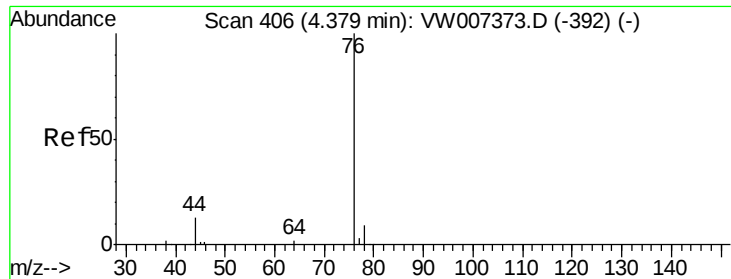
43 100

58 33.7 24.9 37.3



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

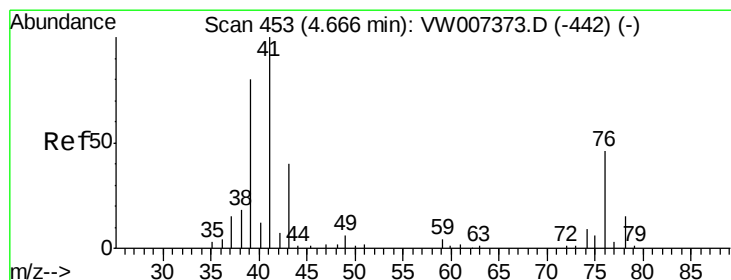
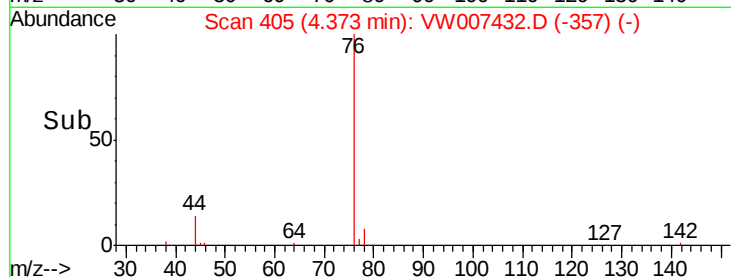
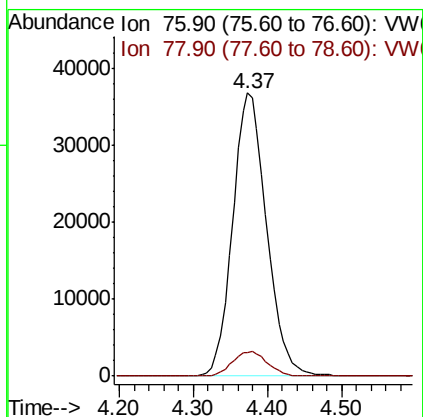
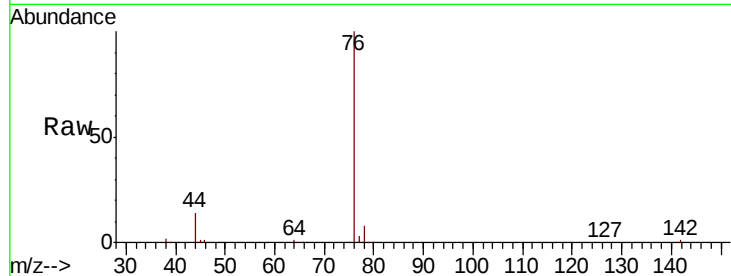




#17
Carbon Disulfide
Concen: 47.535 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW007432.D
Acq: 12 Dec 2018 09:06

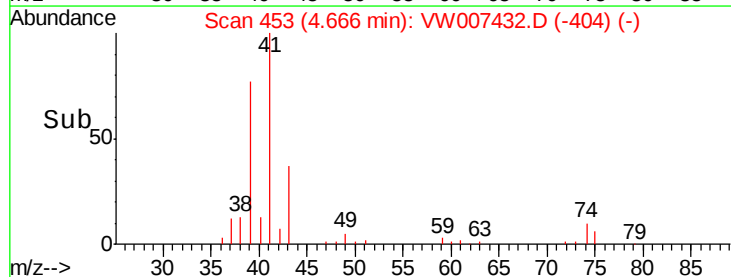
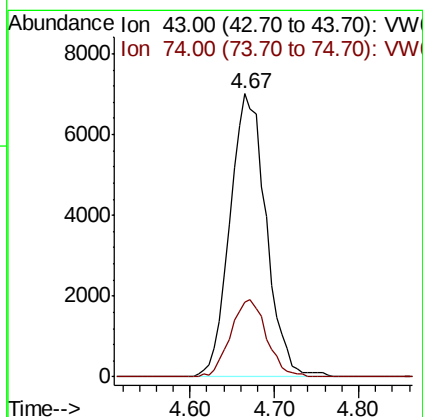
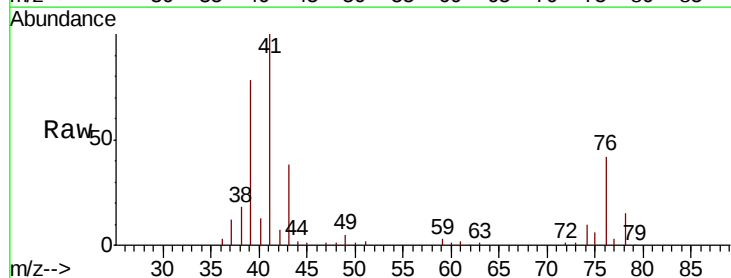
Instrument :
MSVOA_W
ClientSampleId :

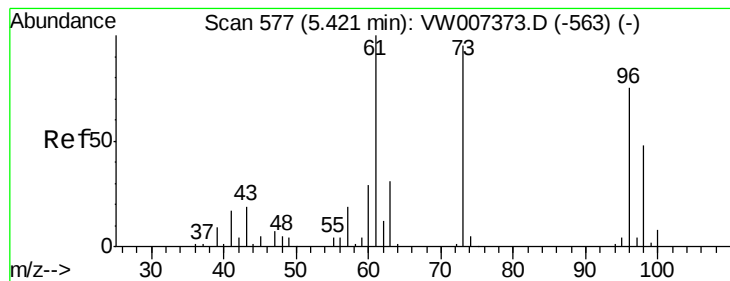
Tot Ion: 76 Resp: 117460
Ion Ratio Lower Upper
76 100
78 8.3 7.1 10.7



#18
Methyl Acetate
Concen: 46.649 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW007432.D
Acq: 12 Dec 2018 09:06

Tgt Ion: 43 Resp: 20383
Ion Ratio Lower Upper
43 100
74 27.0 21.1 31.7



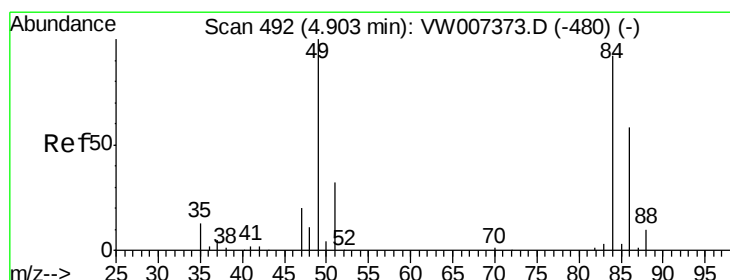
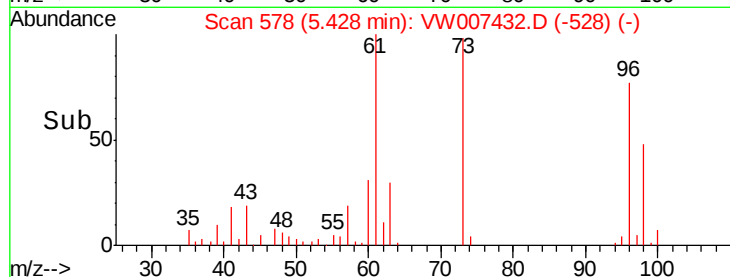
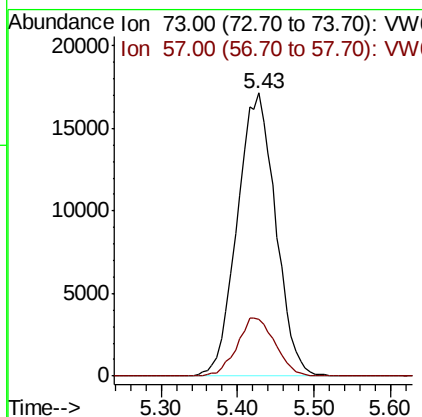
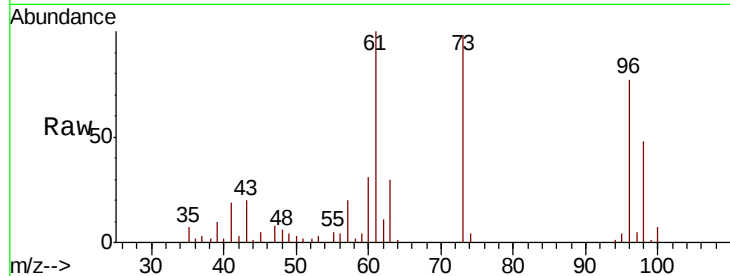


#19

Methyl tert-butyl Ether
 Concen: 48.574 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW007432.D
 Acq: 12 Dec 2018 09:06

Instrument :
 MSVOA_W
 ClientSampleId :

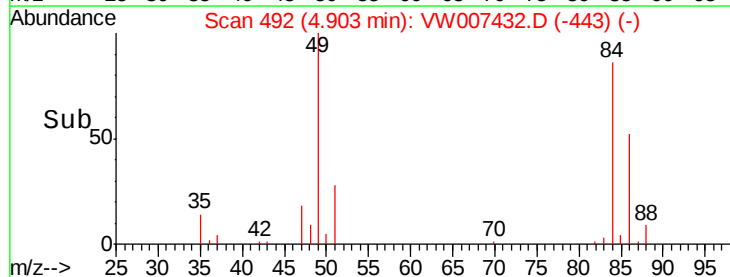
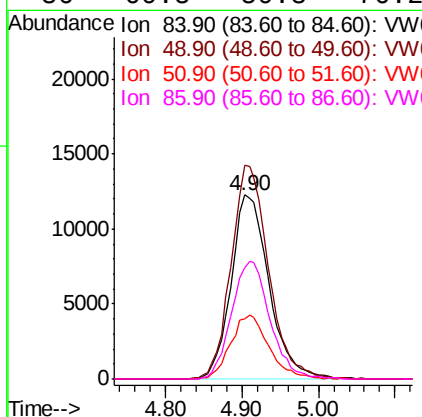
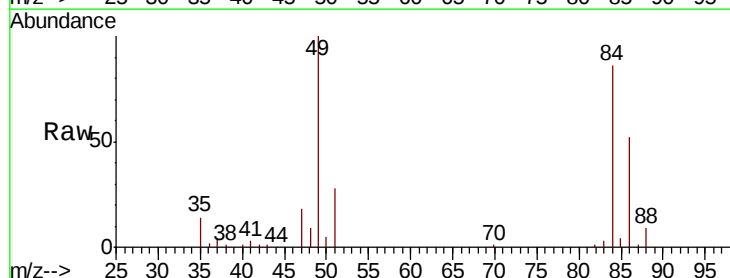
Tot Ion: 73 Resp: 59718
 Ion Ratio Lower Upper
 73 100
 57 20.2 16.4 24.6

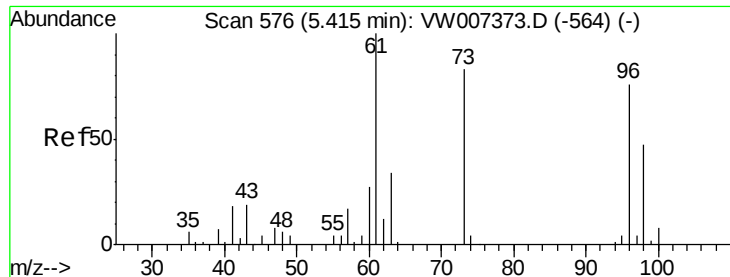


#20

Methylene Chloride
 Concen: 47.736 ug/l
 RT: 4.90 min Scan# 492
 Delta R.T. 0.00 min
 Lab File: VW007432.D
 Acq: 12 Dec 2018 09:06

Tgt Ion: 84 Resp: 42182
 Ion Ratio Lower Upper
 84 100
 49 116.2 87.1 130.7
 51 32.5 28.2 42.2
 86 60.5 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 48.564 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW007432.D

Acq: 12 Dec 2018 09:06

Instrument :

MSVOA_W

ClientSampled :

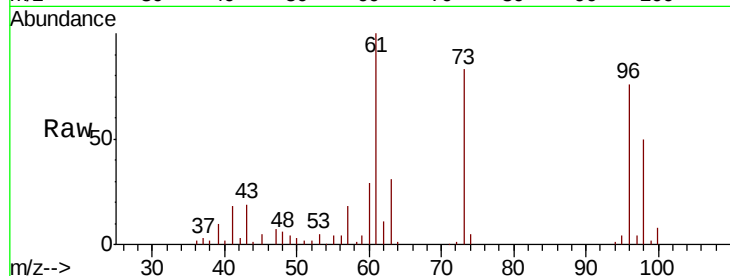
Tot Ion: 96 Resp: 44274

Ion Ratio Lower Upper

96 100

61 132.2 105.0 157.6

98 65.5 49.7 74.5

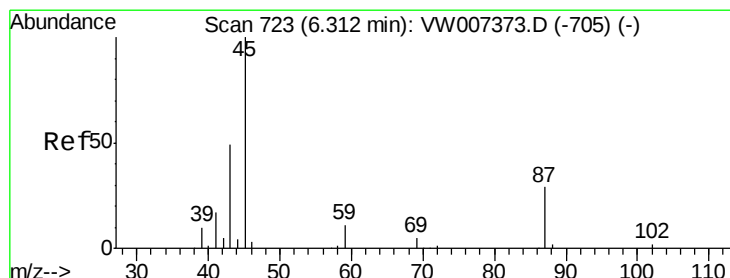
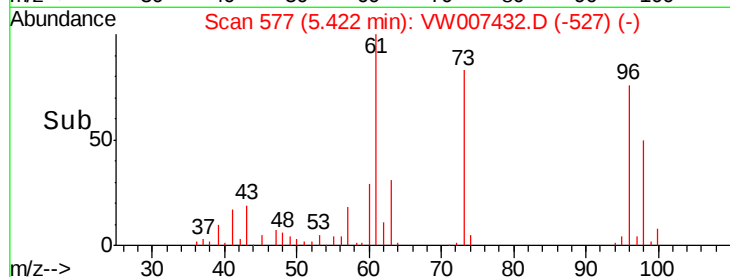
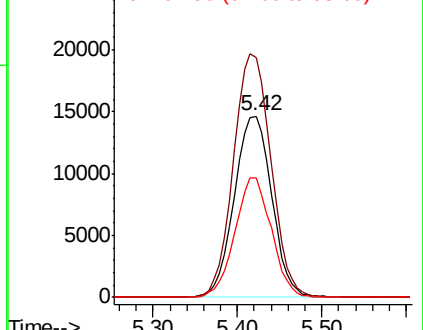


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 48.206 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW007432.D

Acq: 12 Dec 2018 09:06

Tgt Ion: 45 Resp: 111309

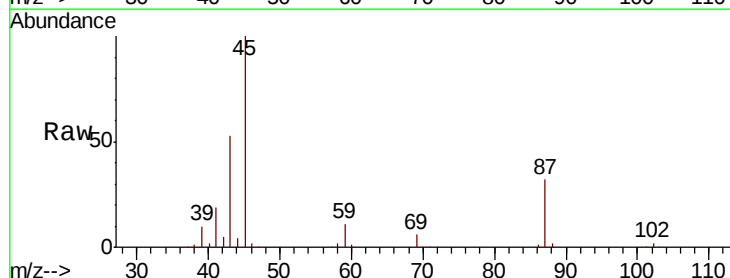
Ion Ratio Lower Upper

45 100

43 52.6 41.6 62.4

87 32.1 24.3 36.5

59 10.9 9.4 14.0



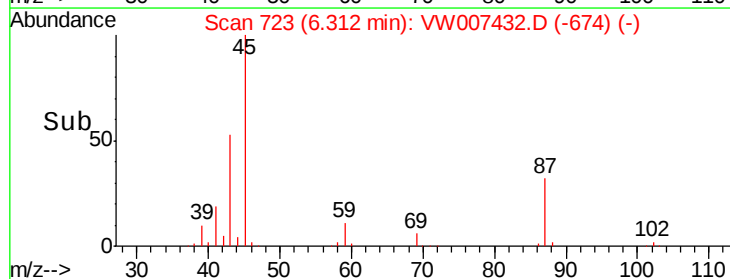
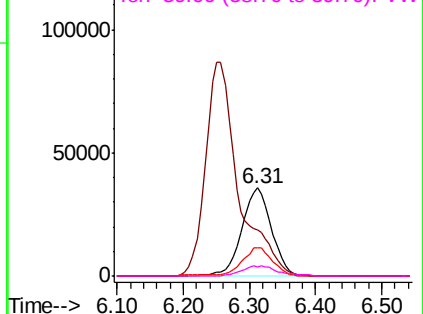
Abundance

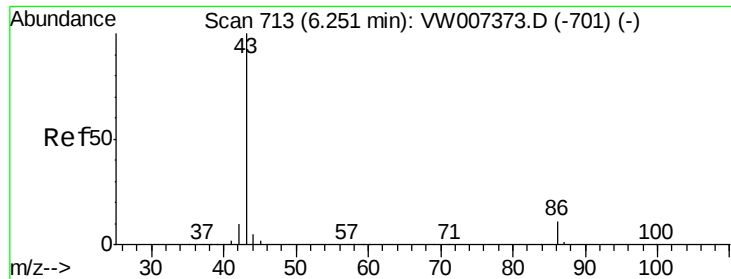
Ion 45.00 (44.70 to 45.70): VW

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

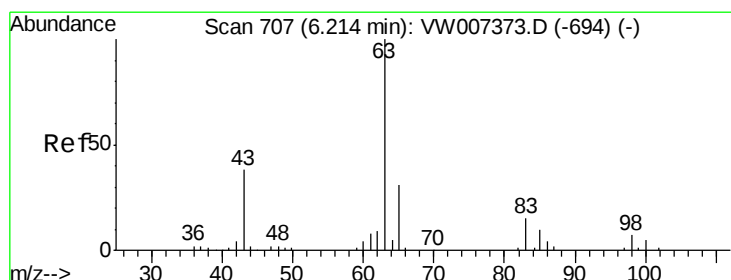
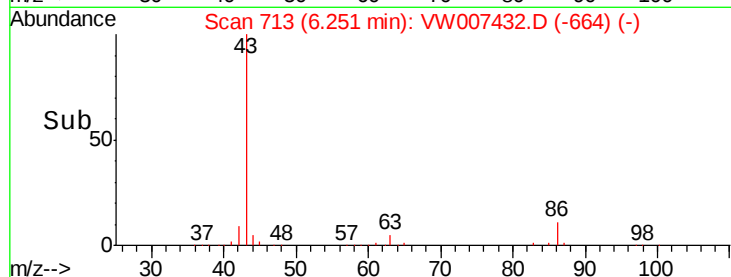
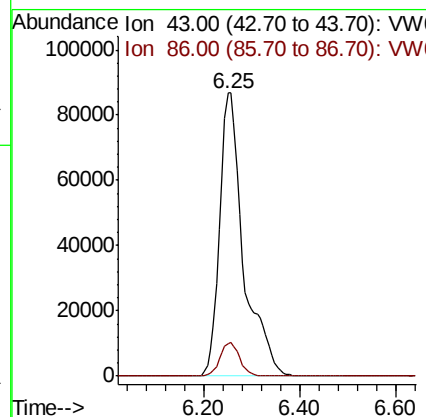
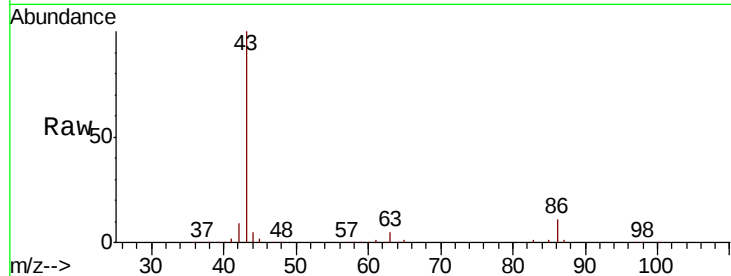




#23
 Vinyl Acetate
 Concen: 232.555 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VW007432.D
 Acq: 12 Dec 2018 09:06

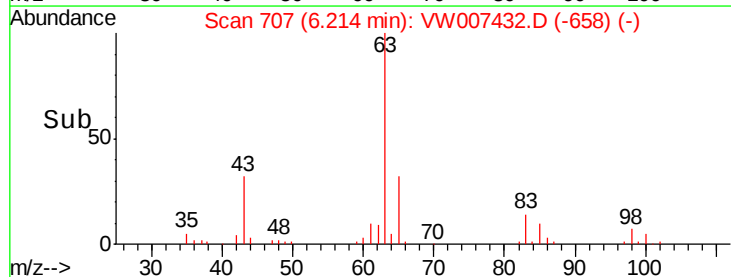
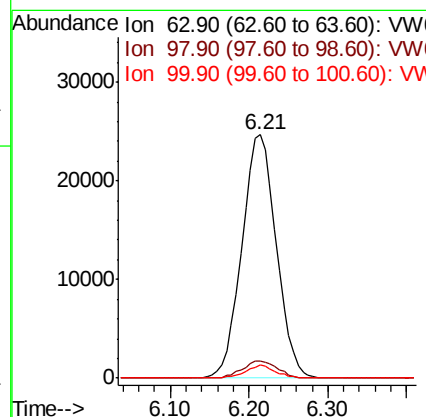
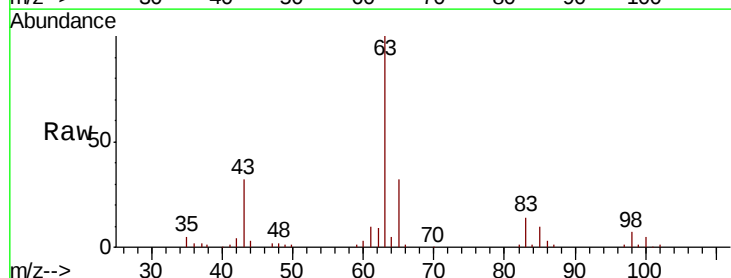
Instrument :
 MSVOA_W
 ClientSampleId :

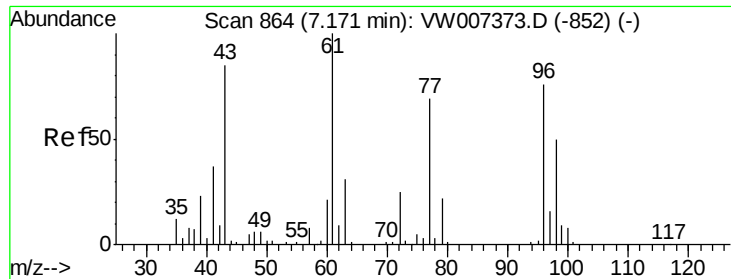
Tot Ion: 43 Resp: 300351
 Ion Ratio Lower Upper
 43 100
 86 11.5 8.6 12.8



#24
 1,1-Dichloroethane
 Concen: 47.877 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW007432.D
 Acq: 12 Dec 2018 09:06

Tgt Ion: 63 Resp: 74717
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.5 10.4
 100 5.2 2.5 7.5

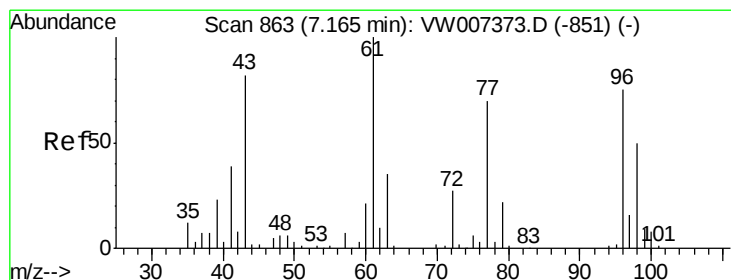
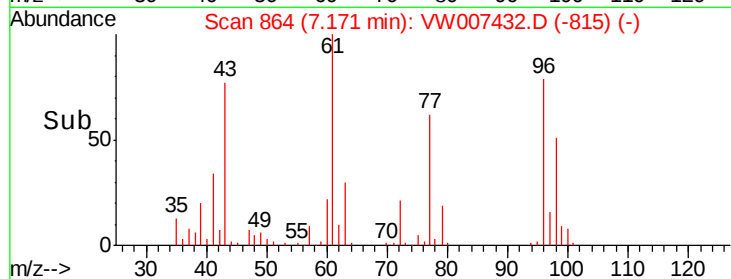
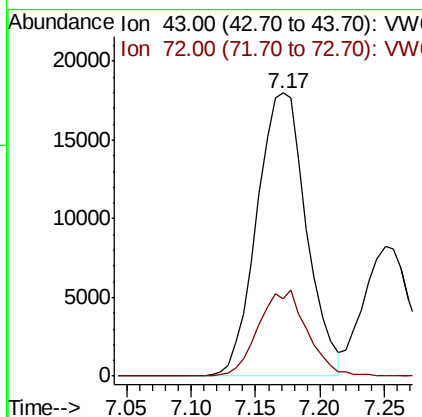
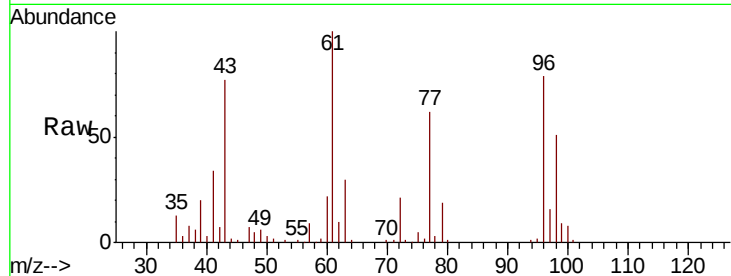




#25
2-Butanone
Concen: 228.663 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW007432.D
Acq: 12 Dec 2018 09:06

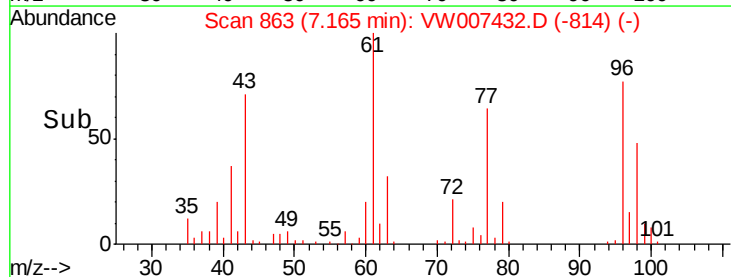
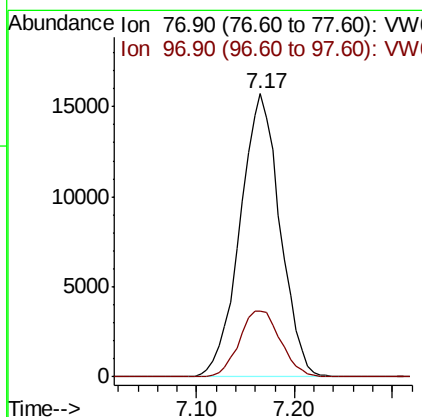
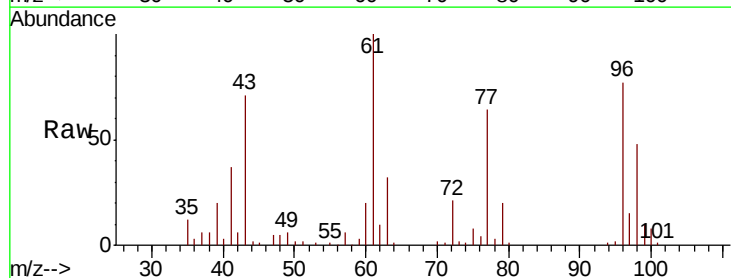
Instrument :
MSVOA_W
ClientSampled :

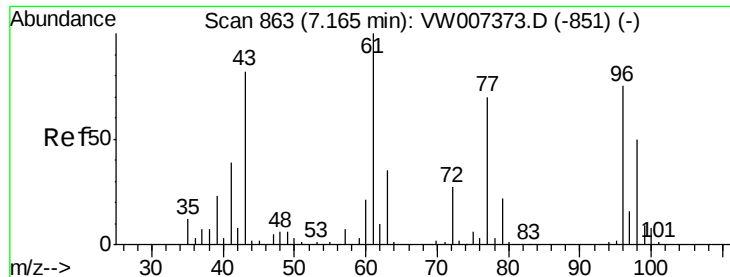
Tot Ion: 43 Resp: 48059
Ion Ratio Lower Upper
43 100
72 27.2 23.4 35.2



#26
2,2-Dichloropropane
Concen: 43.149 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW007432.D
Acq: 12 Dec 2018 09:06

Tgt Ion: 77 Resp: 44566
Ion Ratio Lower Upper
77 100
97 24.0 11.6 34.8



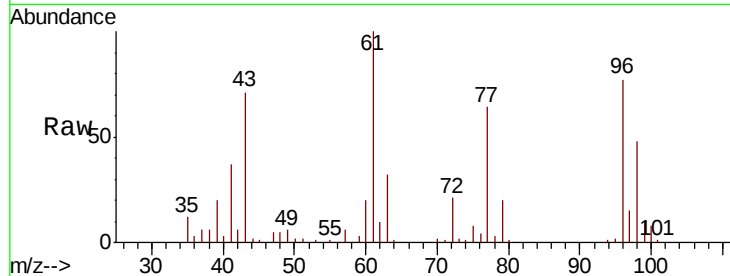


#27

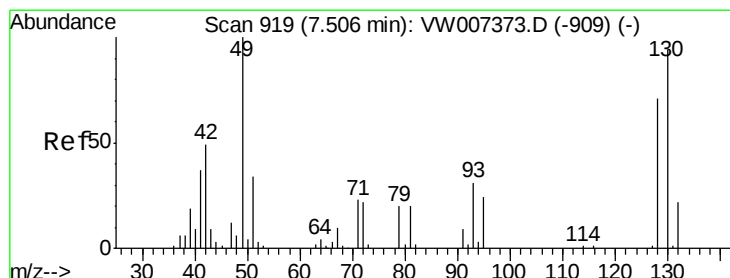
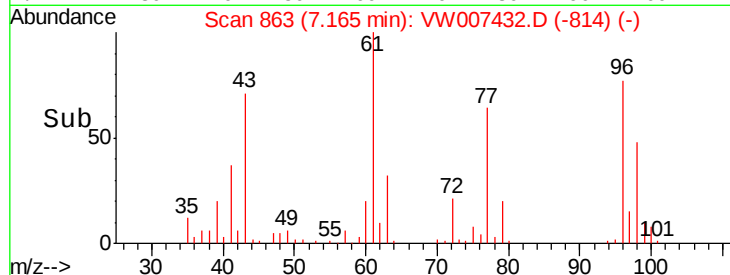
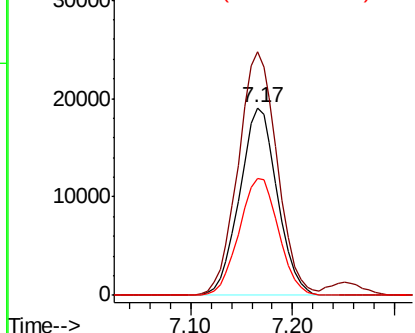
cis-1,2-Dichloroethene
Concen: 48.985 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW007432.D
Acq: 12 Dec 2018 09:06

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 96 Resp: 48899
Ion Ratio Lower Upper
96 100
61 134.3 0.0 268.4
98 65.3 0.0 127.8



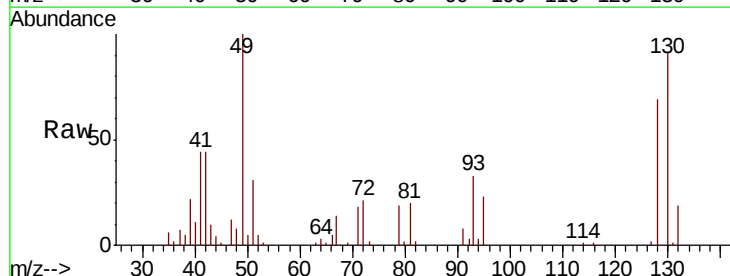
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



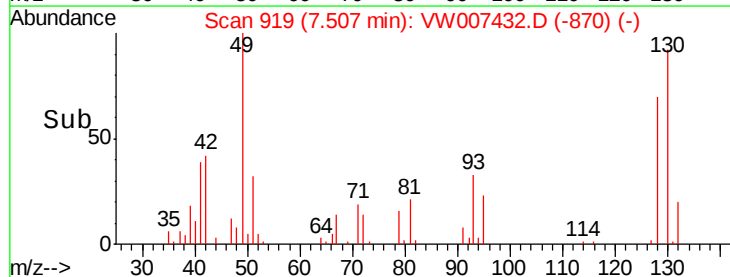
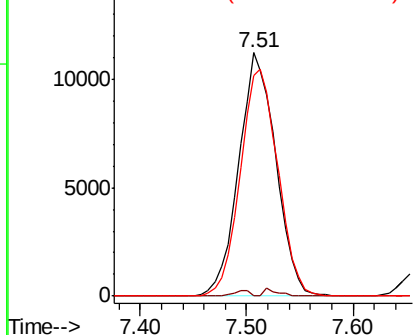
#28

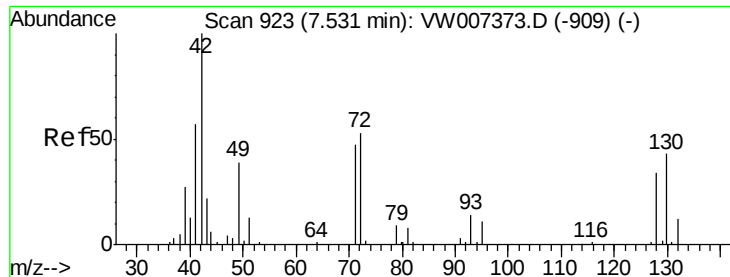
Bromochloromethane
Concen: 46.863 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW007432.D
Acq: 12 Dec 2018 09:06

Tgt Ion: 49 Resp: 27509
Ion Ratio Lower Upper
49 100
129 1.2 0.0 2.6
130 94.1 75.9 113.9



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





#29

Tetrahydrofuran

Concen: 235.979 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW007432.D

Acq: 12 Dec 2018 09:06

Instrument :

MSVOA_W

ClientSampleId :

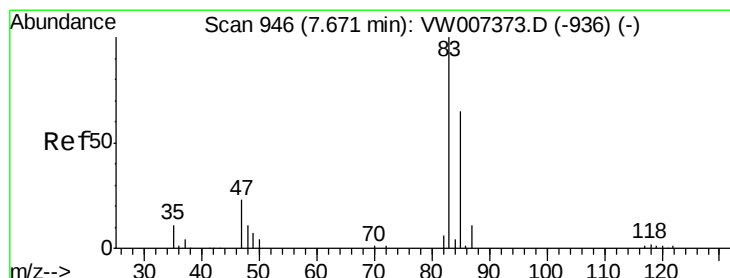
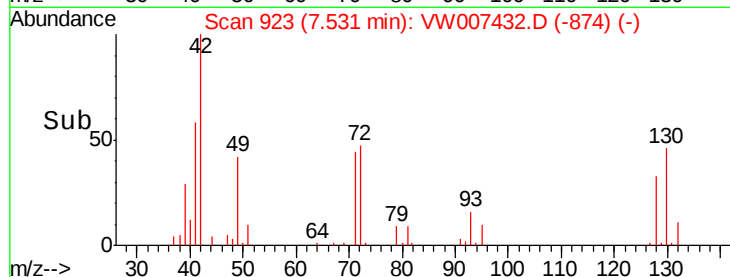
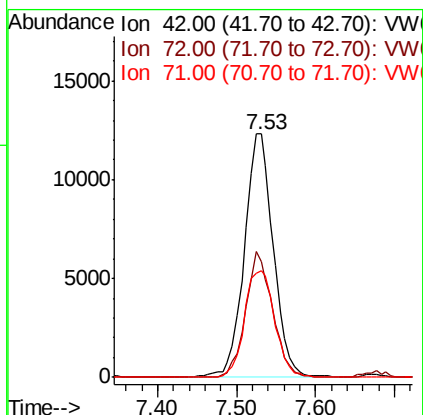
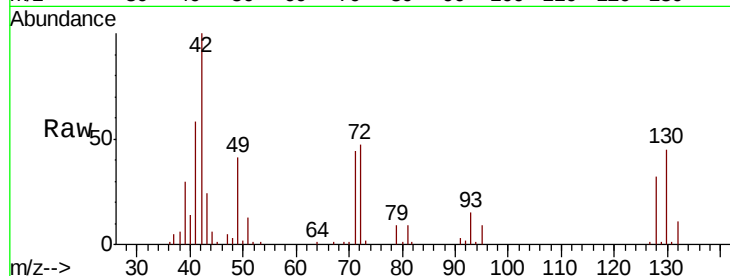
Tot Ion: 42 Resp: 31398

Ion Ratio Lower Upper

42 100

72 47.8 38.2 57.4

71 45.7 35.5 53.3



#30

Chloroform

Concen: 48.453 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW007432.D

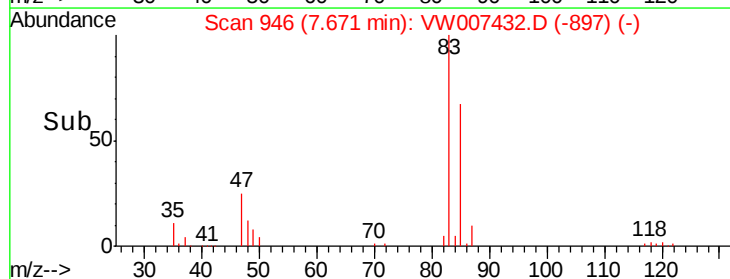
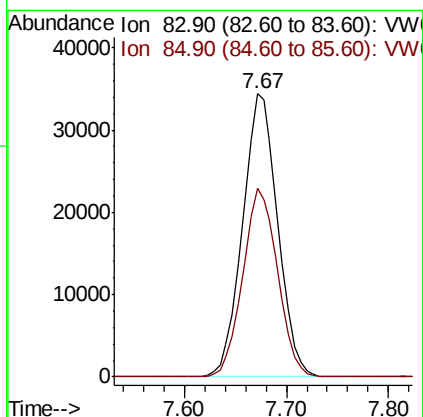
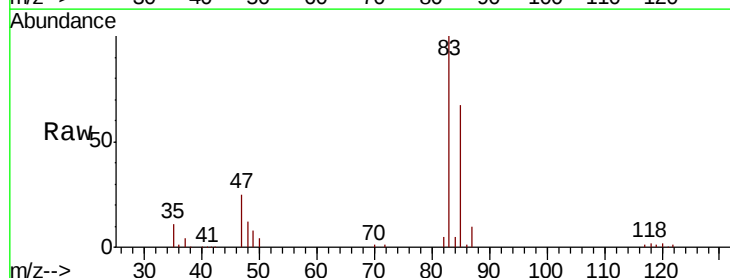
Acq: 12 Dec 2018 09:06

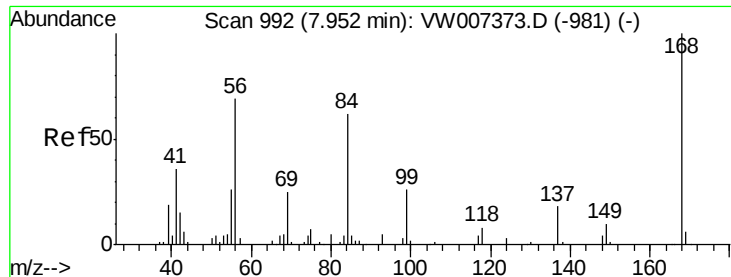
Tgt Ion: 83 Resp: 82287

Ion Ratio Lower Upper

83 100

85 66.6 51.8 77.8

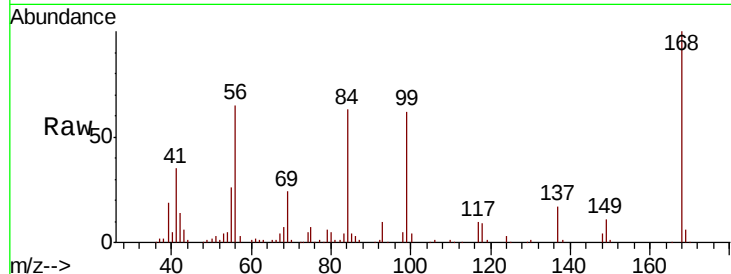




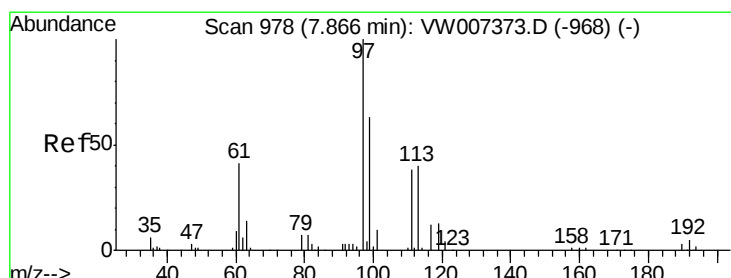
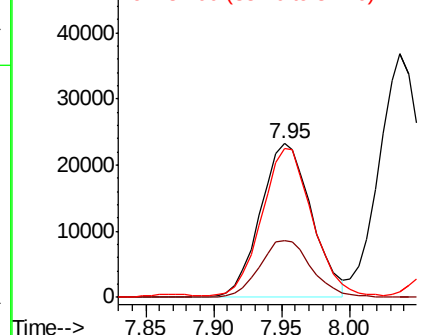
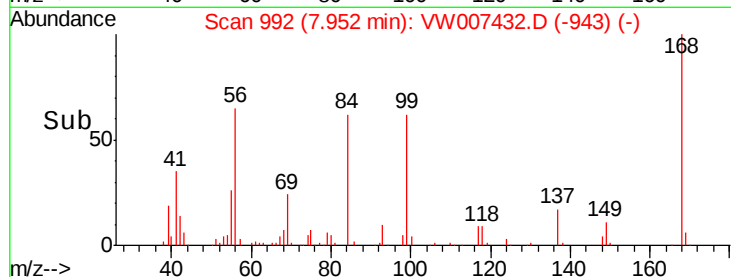
#31
Cyclohexane
Concen: 42.557 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW007432.D
Acq: 12 Dec 2018 09:06

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 60934
Ion Ratio Lower Upper
56 100
69 36.6 28.9 43.3
84 95.2 71.8 107.6

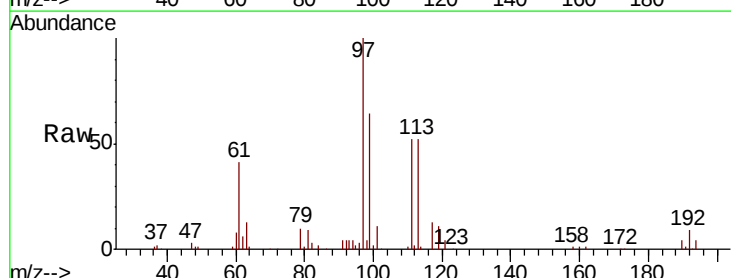


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

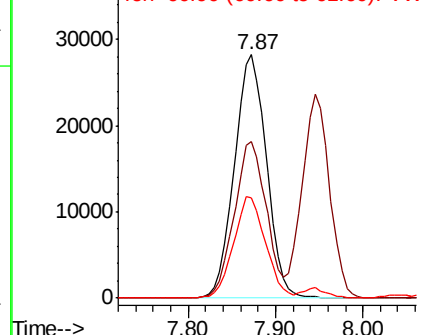
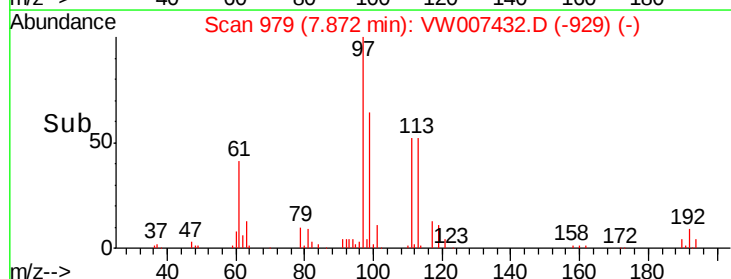


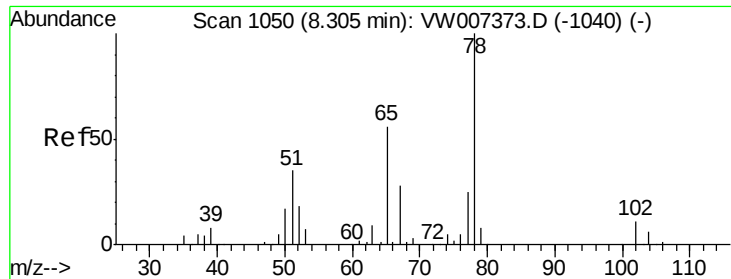
#32
1,1,1-Trichloroethane
Concen: 48.309 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW007432.D
Acq: 12 Dec 2018 09:06

Tgt Ion: 97 Resp: 71946
Ion Ratio Lower Upper
97 100
99 64.2 51.1 76.7
61 41.4 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

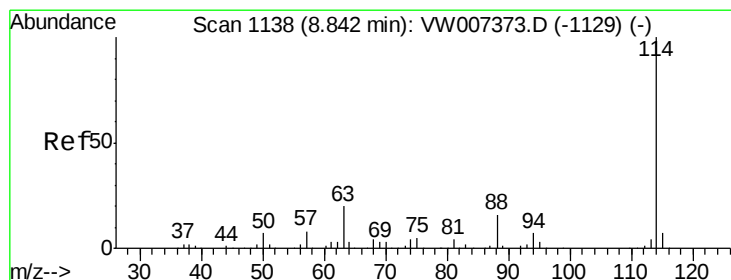
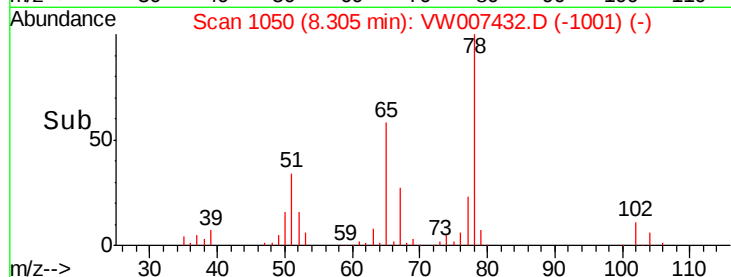
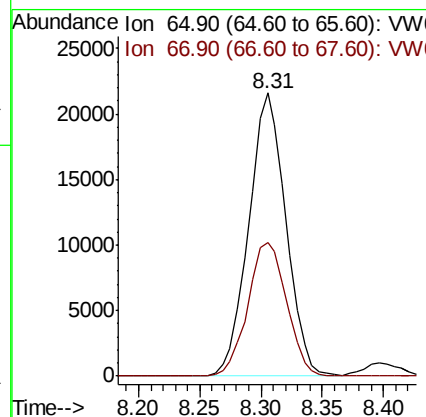
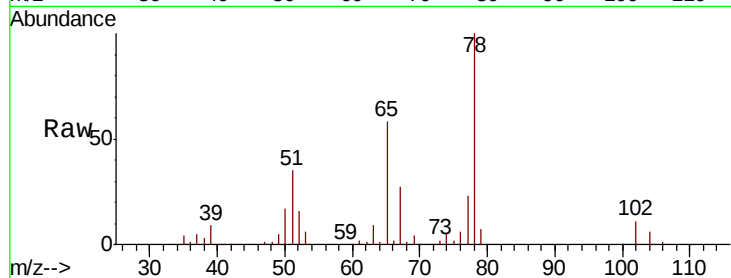




#33
 1,2-Dichloroethane-d4
 Concen: 49.577 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW007432.D
 Acq: 12 Dec 2018 09:06

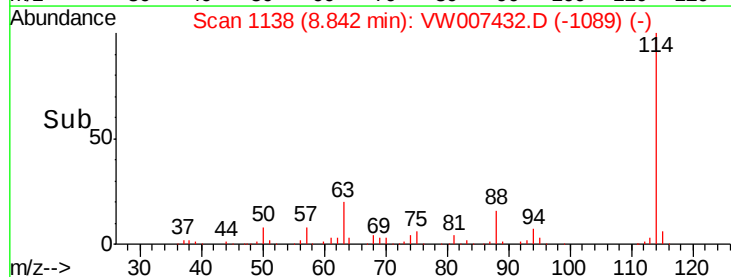
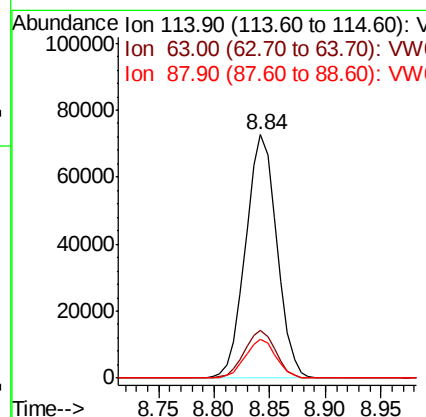
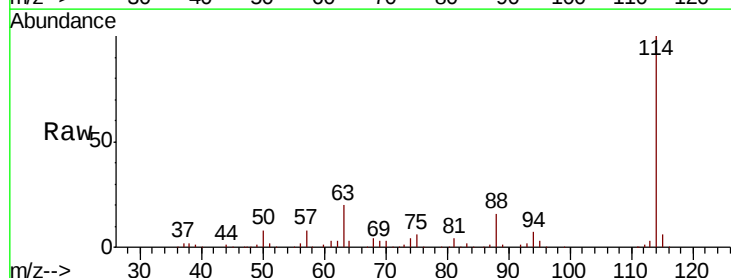
Instrument :
 MSVOA_W
 ClientSampleId :

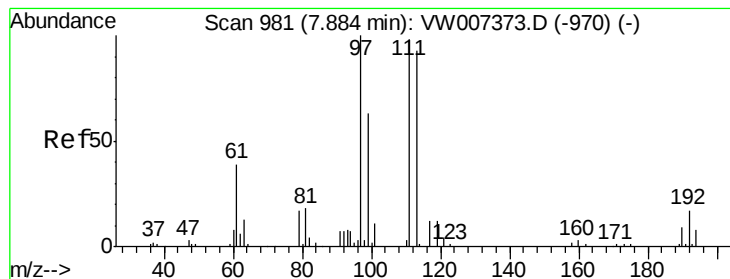
Tot Ion: 65 Resp: 45694
 Ion Ratio Lower Upper
 65 100
 67 49.2 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007432.D
 Acq: 12 Dec 2018 09:06

Tgt Ion: 114 Resp: 141614
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.6
 88 15.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.852 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW007432.D

Acq: 12 Dec 2018 09:06

Instrument :

MSVOA_W

ClientSampleId :

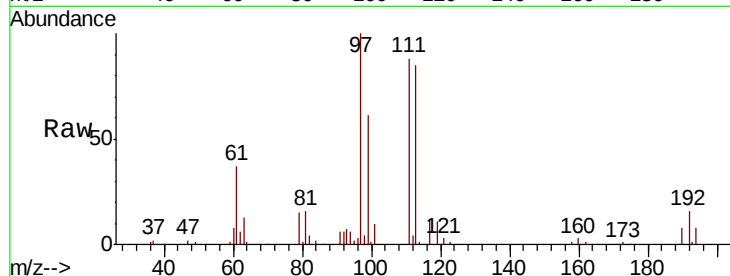
Tot Ion:113 Resp: 43593

Ion Ratio Lower Upper

113 100

111 101.1 81.1 121.7

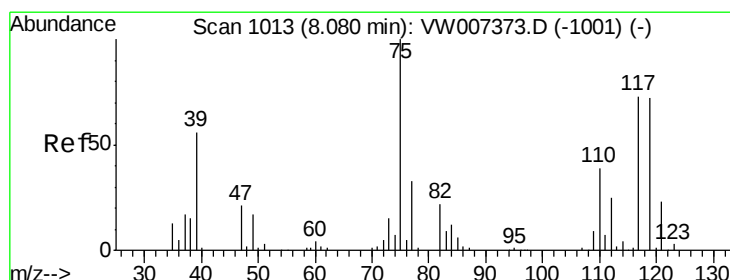
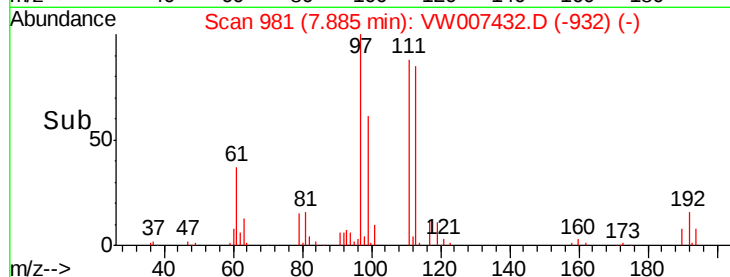
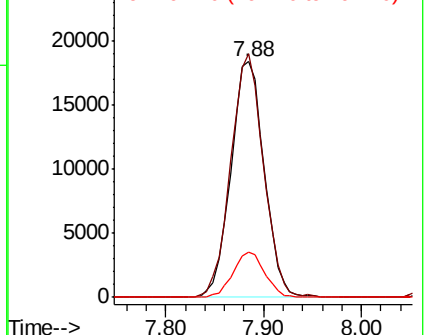
192 18.3 14.6 21.8



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: 47.849 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW007432.D

Acq: 12 Dec 2018 09:06

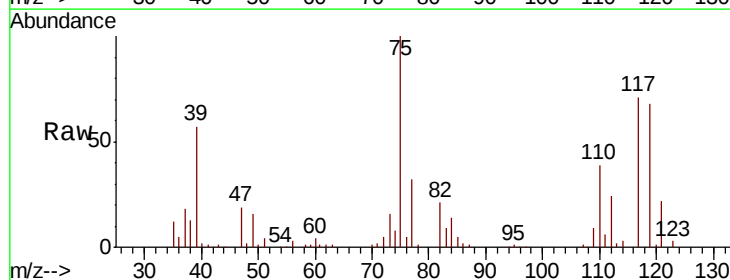
Tgt Ion: 75 Resp: 61814

Ion Ratio Lower Upper

75 100

110 37.3 18.5 55.5

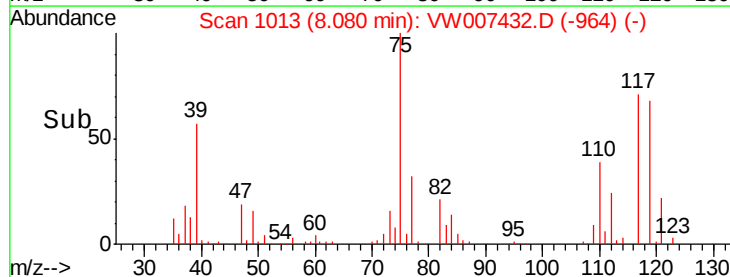
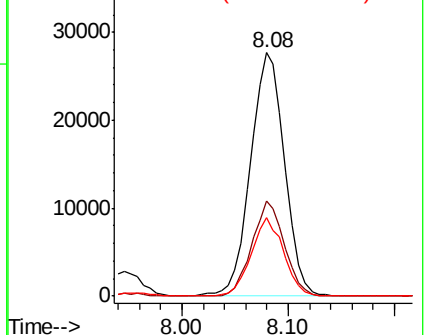
77 31.0 25.6 38.4

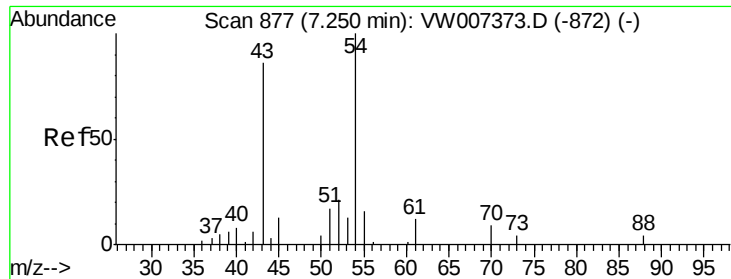


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

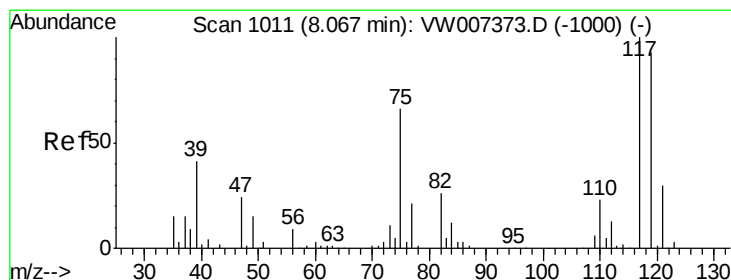
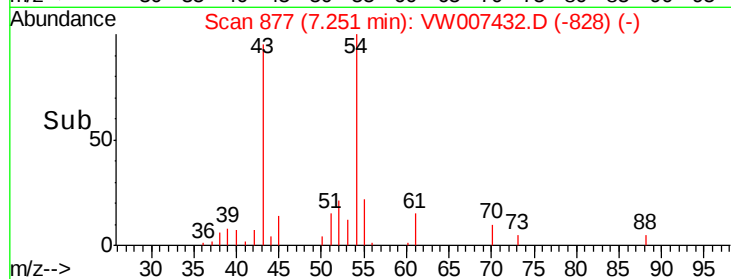
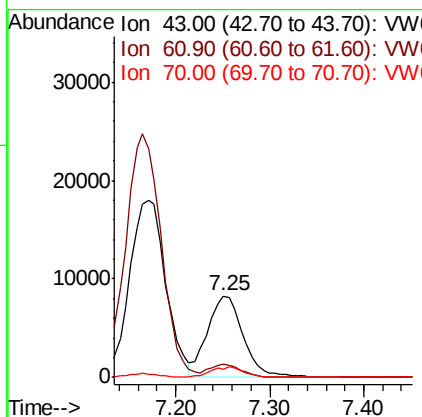
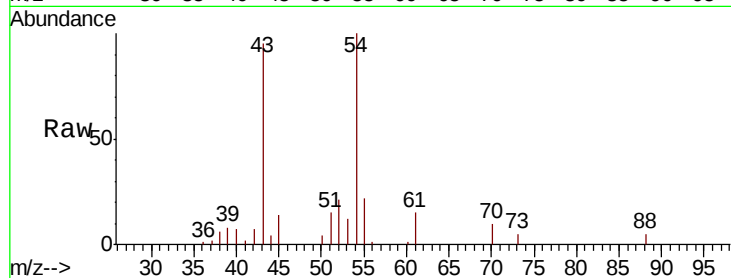




#37
Ethyl Acetate
Concen: 45.700 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW007432.D
Acq: 12 Dec 2018 09:06

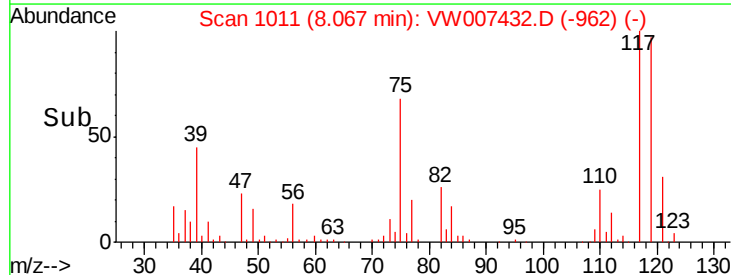
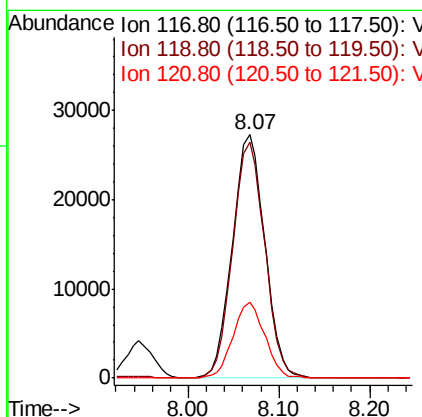
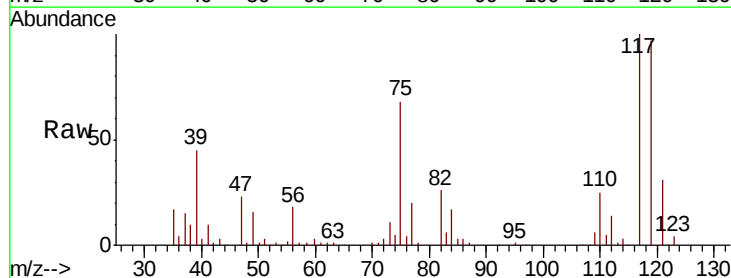
Instrument :
MSVOA_W
ClientSampleId :

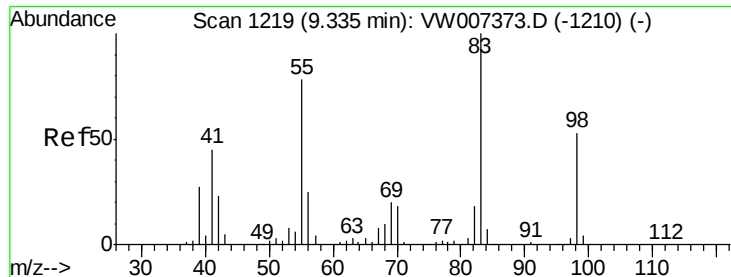
Tot Ion: 43 Resp: 21958
Ion Ratio Lower Upper
43 100
61 14.0 12.1 18.1
70 12.1 10.0 15.0



#38
Carbon Tetrachloride
Concen: 48.227 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW007432.D
Acq: 12 Dec 2018 09:06

Tgt Ion: 117 Resp: 67790
Ion Ratio Lower Upper
117 100
119 97.1 74.3 111.5
121 31.3 24.3 36.5

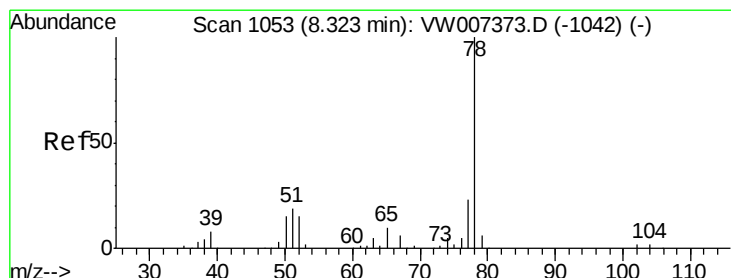
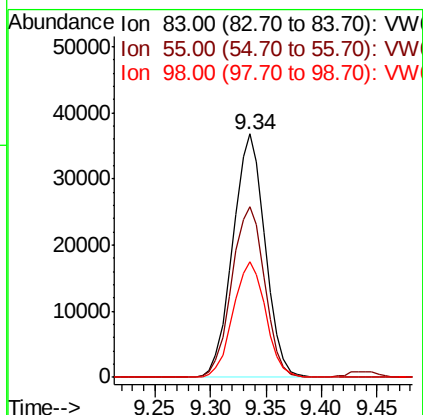
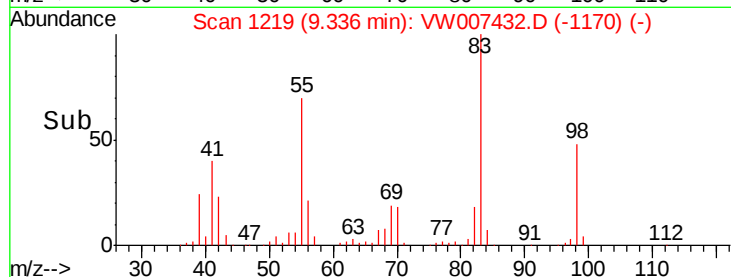
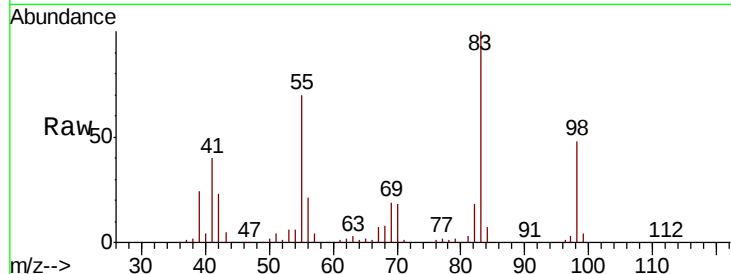




#39
Methvlcvclohexane
Concen: 47.283 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW007432.D
Acq: 12 Dec 2018 09:06

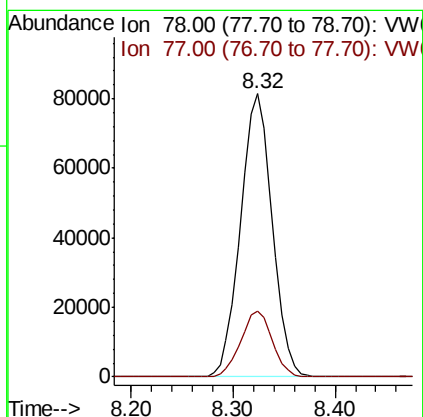
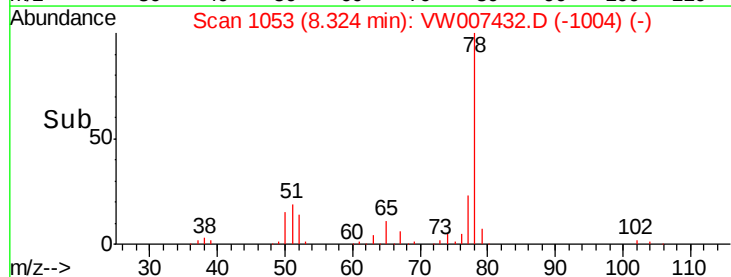
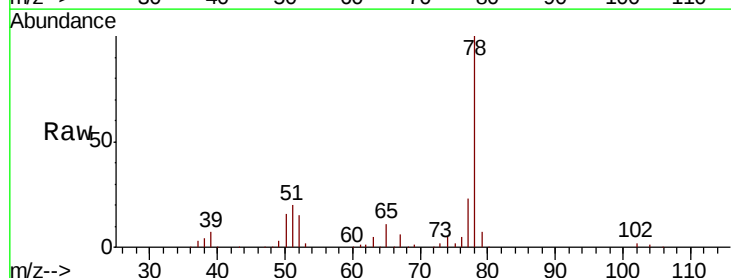
Instrument :
MSVOA_W
ClientSampleId :

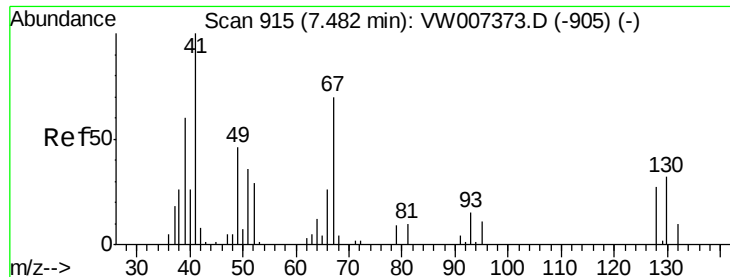
Tot Ion: 83 Resp: 73964
Ion Ratio Lower Upper
83 100
55 70.0 62.8 94.2
98 47.6 42.2 63.2



#40
Benzene
Concen: 49.073 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW007432.D
Acq: 12 Dec 2018 09:06

Tgt Ion: 78 Resp: 175932
Ion Ratio Lower Upper
78 100
77 23.0 18.8 28.2

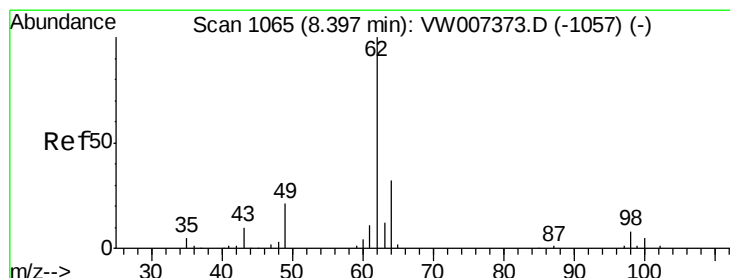
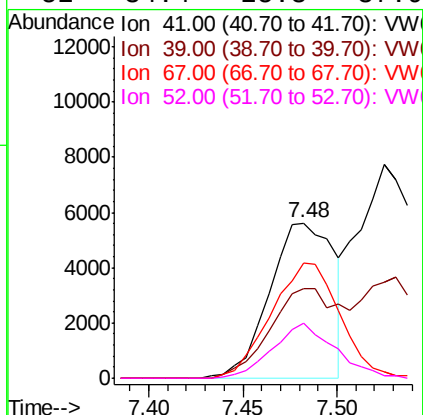
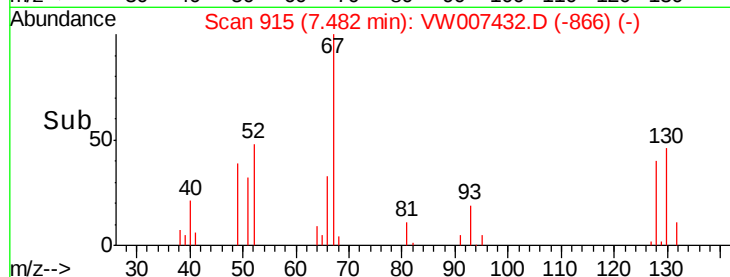
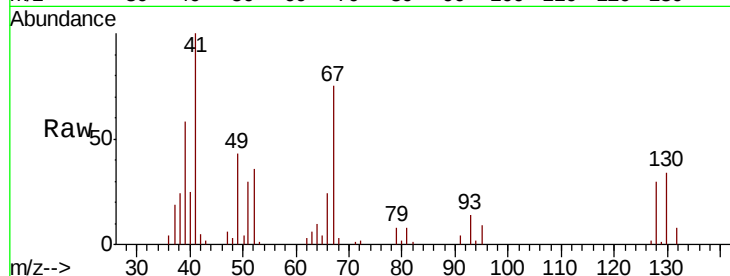




#41
Methacrylonitrile
Concen: 48.930 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW007432.D
Acq: 12 Dec 2018 09:06

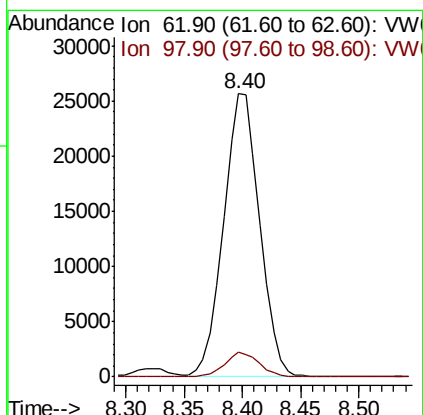
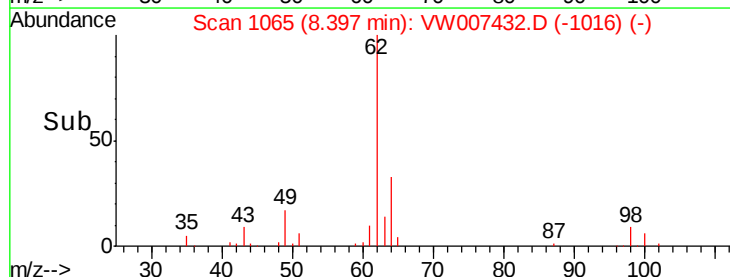
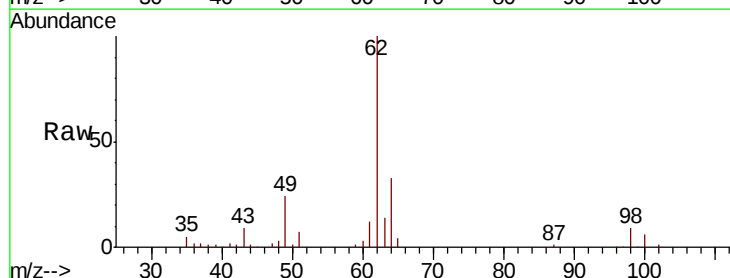
Instrument :
MSVOA_W
ClientSampled :

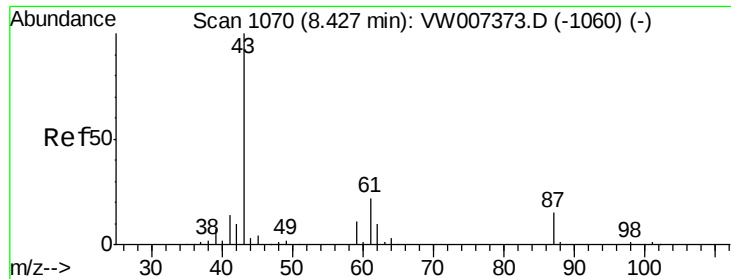
Tot Ion: 41 Resp: 13388
Ion Ratio Lower Upper
41 100
39 64.2 52.2 78.2
67 79.0 60.5 90.7
52 34.4 25.3 37.9



#42
1,2-Dichloroethane
Concen: 48.969 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW007432.D
Acq: 12 Dec 2018 09:06

Tgt Ion: 62 Resp: 55148
Ion Ratio Lower Upper
62 100
98 8.3 0.0 17.6





#43

Isopropyl Acetate

Concen: 46.718 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW007432.D

Acq: 12 Dec 2018 09:06

Instrument :

MSVOA_W

ClientSampleId :

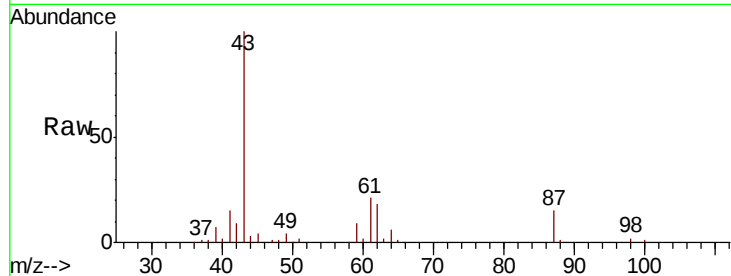
Tot Ion: 43 Resp: 44340

Ion Ratio Lower Upper

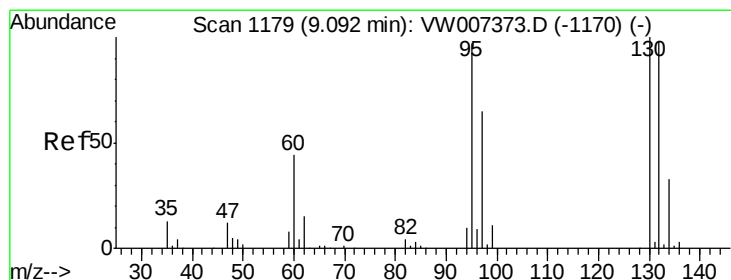
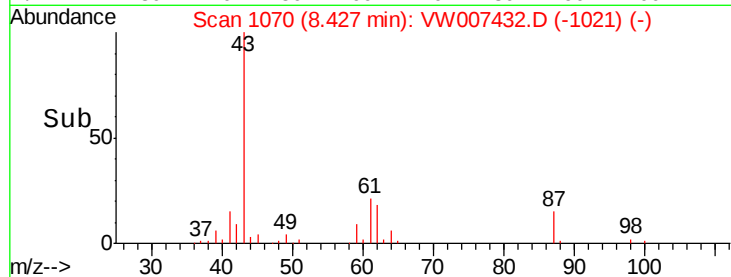
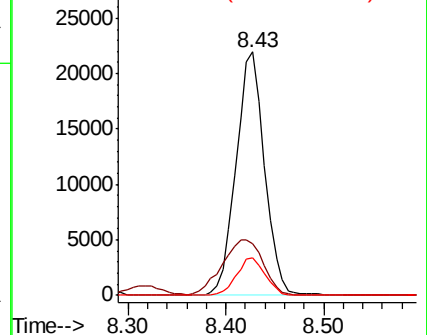
43 100

61 32.8 25.3 37.9

87 15.4 11.8 17.8



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 49.236 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW007432.D

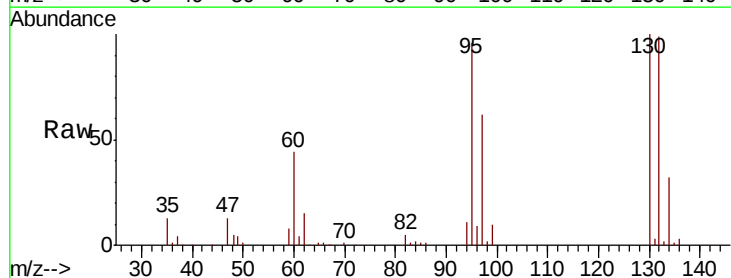
Acq: 12 Dec 2018 09:06

Tgt Ion: 130 Resp: 50406

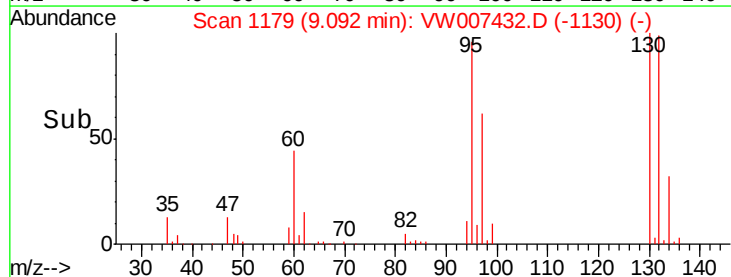
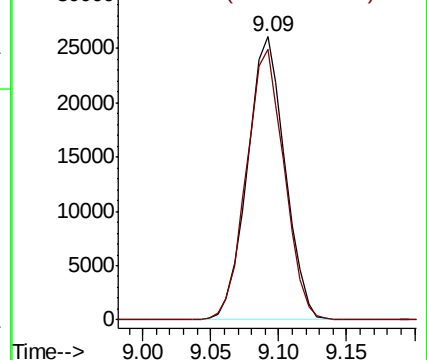
Ion Ratio Lower Upper

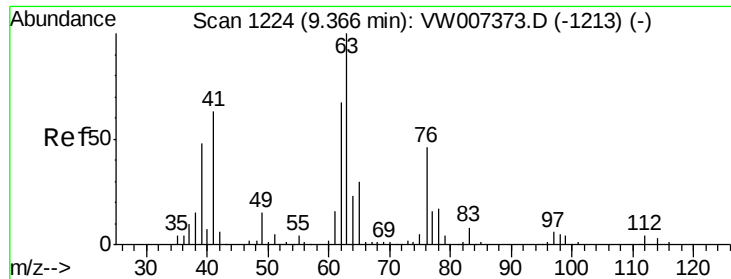
130 100

95 95.7 0.0 193.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW

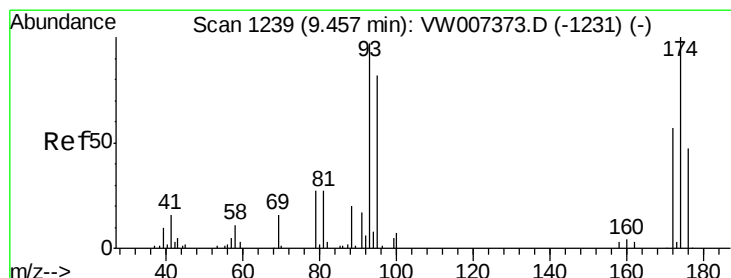
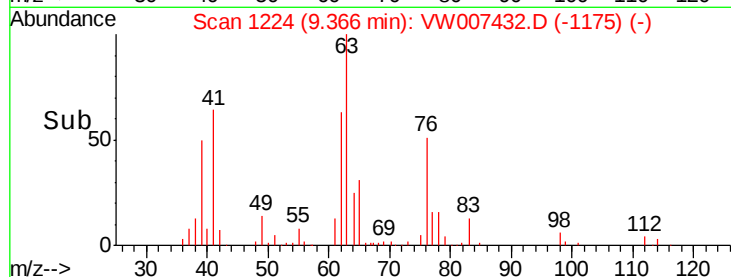
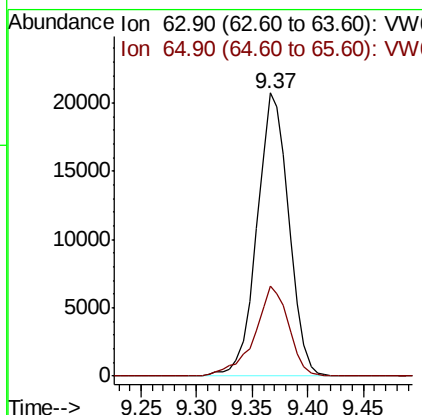
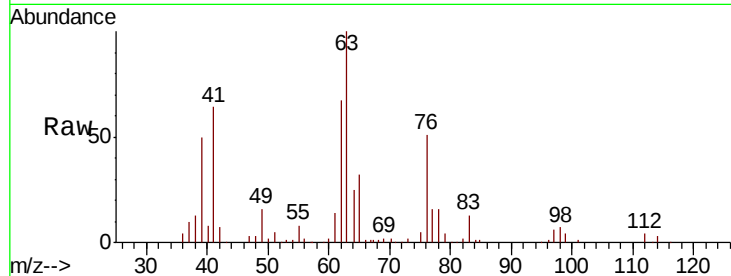




#45
 1,2-Dichloropropane
 Concen: 49.741 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW007432.D
 Acq: 12 Dec 2018 09:06

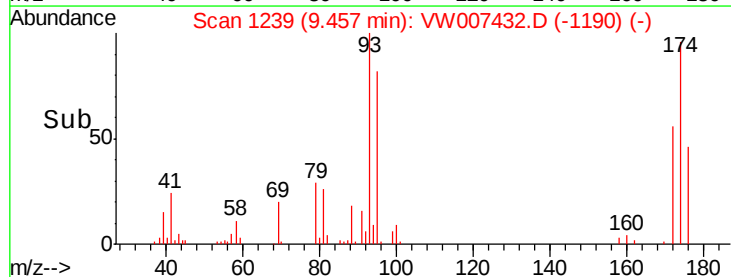
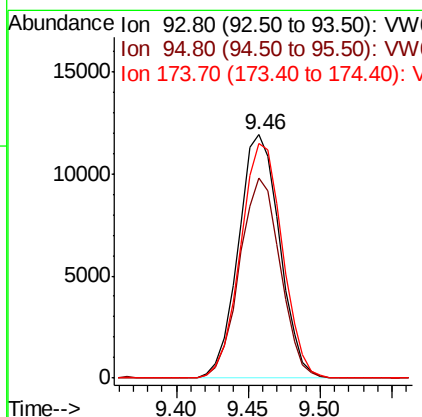
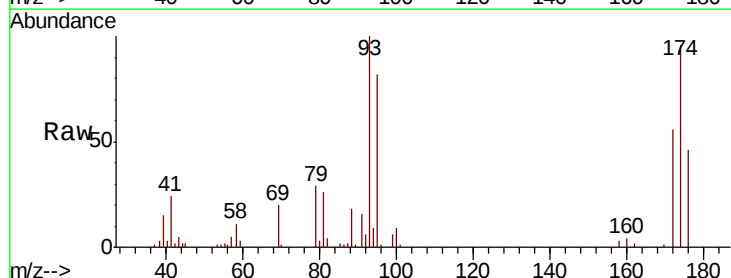
Instrument :
 MSVOA_W
 ClientSampled :

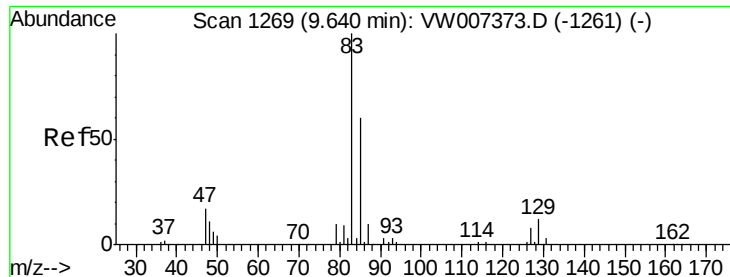
Tot Ion: 63 Resp: 41267
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.4 36.6



#46
 Dibromomethane
 Concen: 50.087 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW007432.D
 Acq: 12 Dec 2018 09:06

Tgt Ion: 93 Resp: 23598
 Ion Ratio Lower Upper
 93 100
 95 81.1 68.0 102.0
 174 97.7 83.2 124.8





#47

Bromodichloromethane

Concen: 49.833 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW007432.D

Acq: 12 Dec 2018 09:06

Instrument :

MSVOA_W

ClientSampleId :

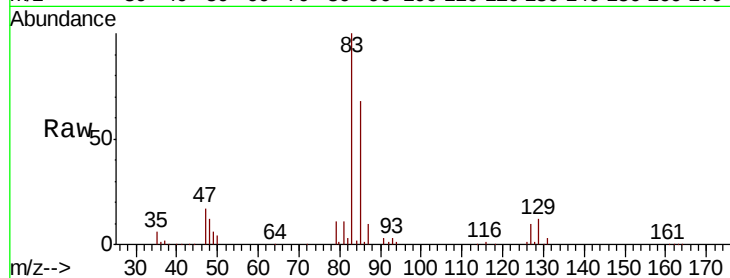
Tot Ion: 83 Resp: 61584

Ion Ratio Lower Upper

83 100

85 68.3 47.6 71.4

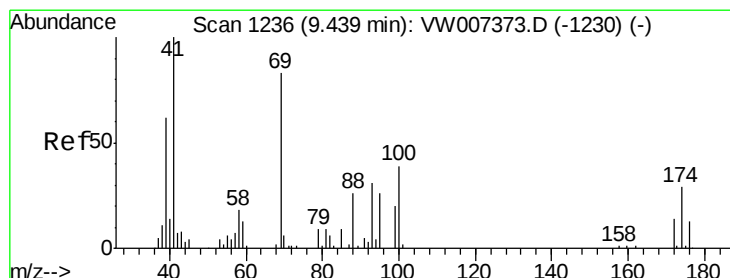
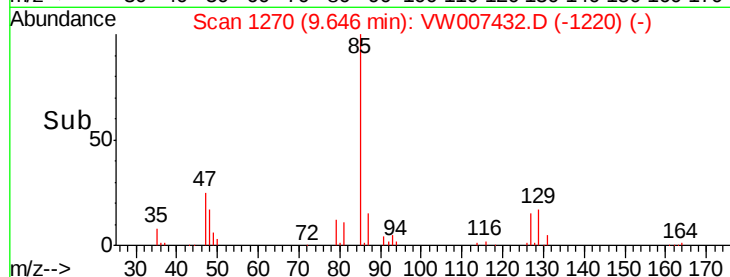
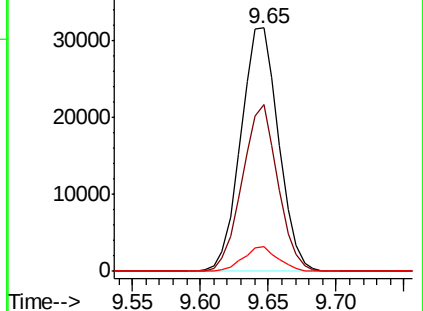
127 10.2 6.7 10.1#



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): V



#48

Methyl methacrylate

Concen: 46.430 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW007432.D

Acq: 12 Dec 2018 09:06

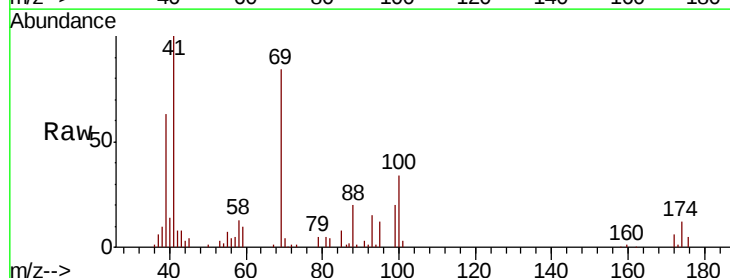
Tgt Ion: 41 Resp: 22632

Ion Ratio Lower Upper

41 100

69 91.6 69.8 104.8

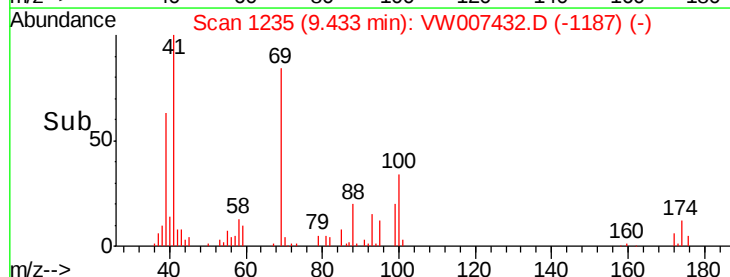
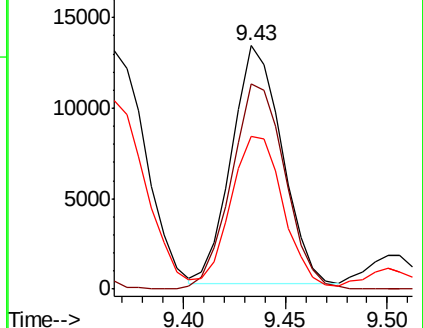
39 67.9 50.9 76.3

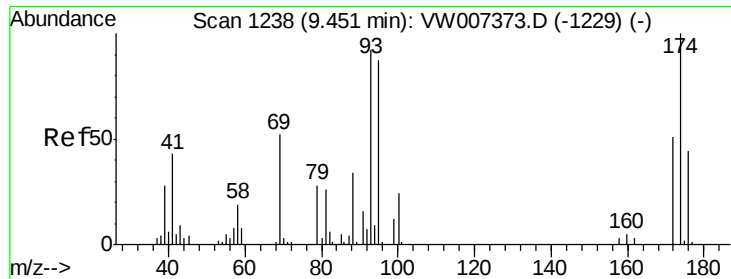


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

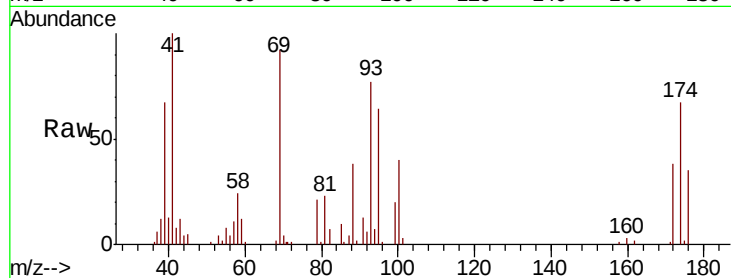




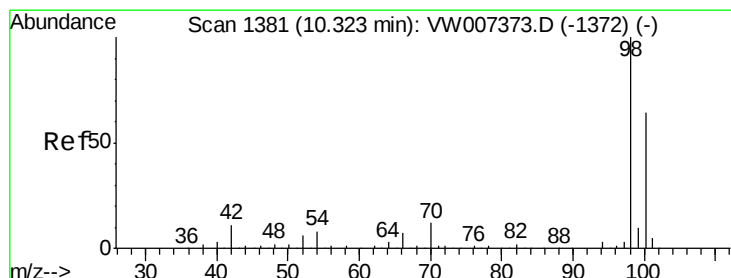
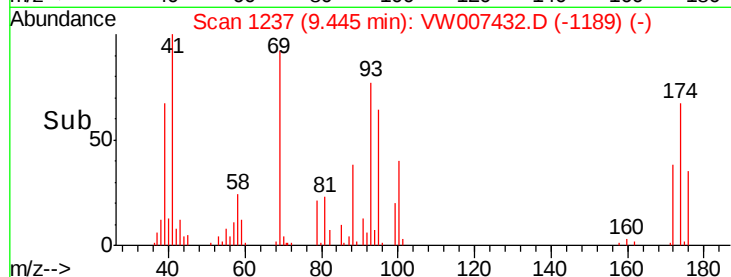
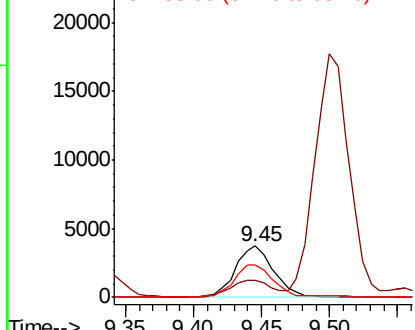
#49
1,4-Dioxane
Concen: 960.030 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW007432.D
Acq: 12 Dec 2018 09:06

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 7339
Ion Ratio Lower Upper
88 100
43 37.0 25.0 37.4
58 65.8 51.4 77.2

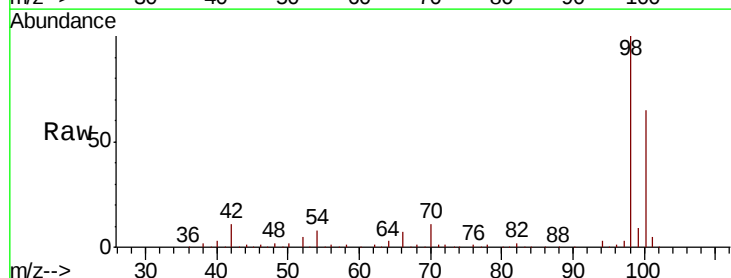


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

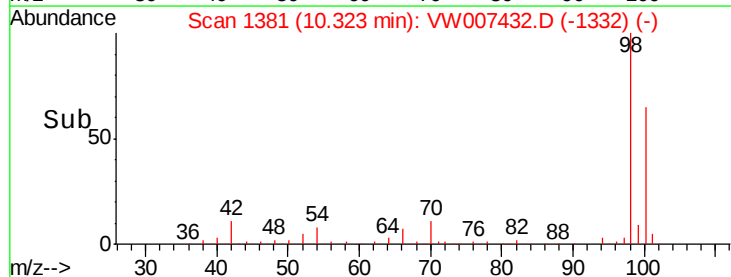
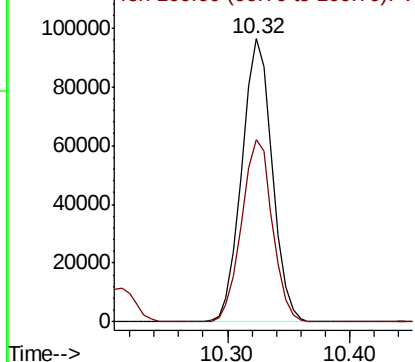


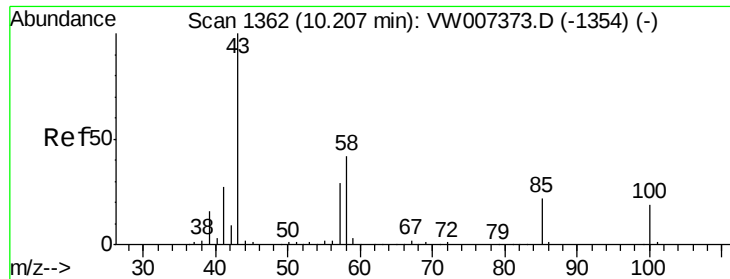
#50
Toluene-d8
Concen: 51.640 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW007432.D
Acq: 12 Dec 2018 09:06

Tgt Ion: 98 Resp: 165981
Ion Ratio Lower Upper
98 100
100 65.2 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: 242.581 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW007432.D

Acq: 12 Dec 2018 09:06

Instrument :

MSVOA_W

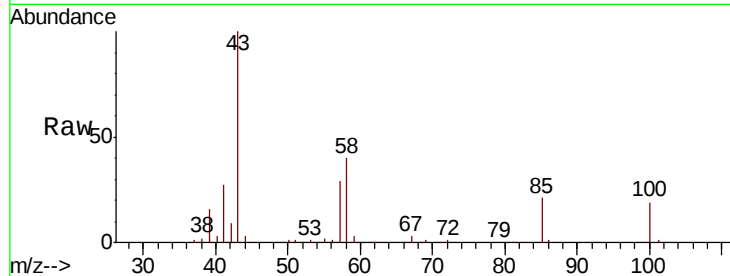
ClientSampled :

Tot Ion: 43 Resp: 108786

Ion Ratio Lower Upper

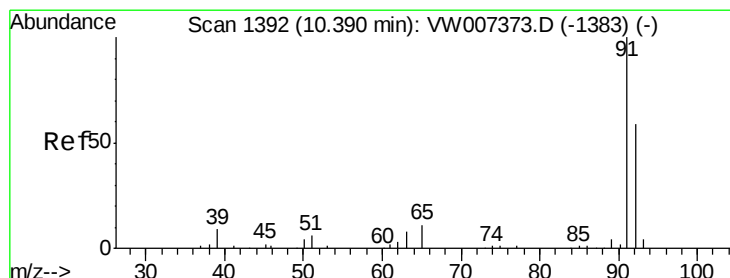
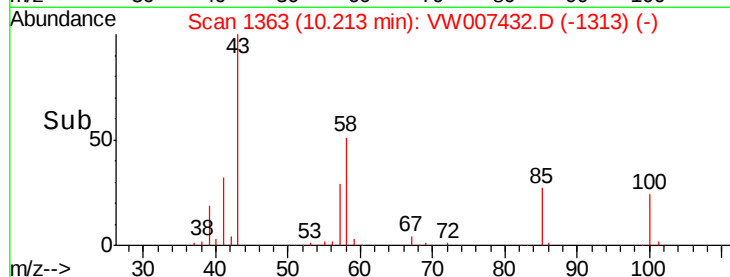
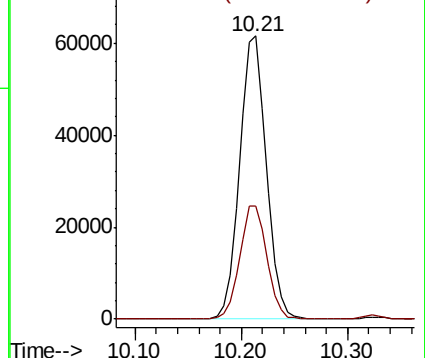
43 100

58 40.6 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 50.054 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007432.D

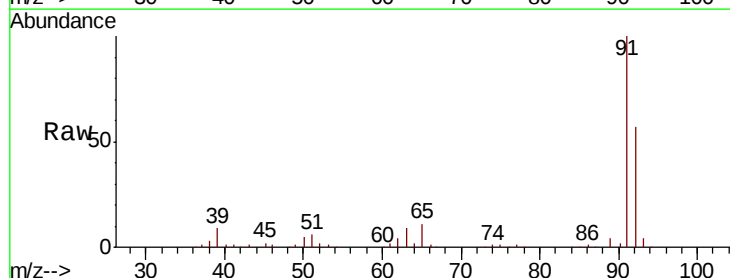
Acq: 12 Dec 2018 09:06

Tgt Ion: 92 Resp: 116129

Ion Ratio Lower Upper

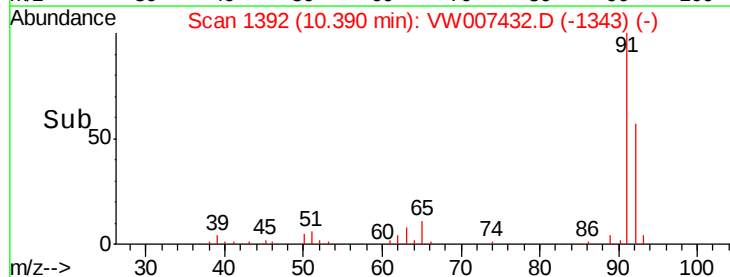
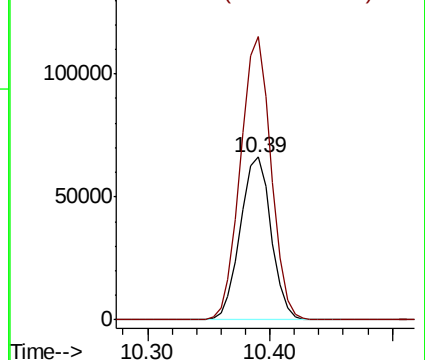
92 100

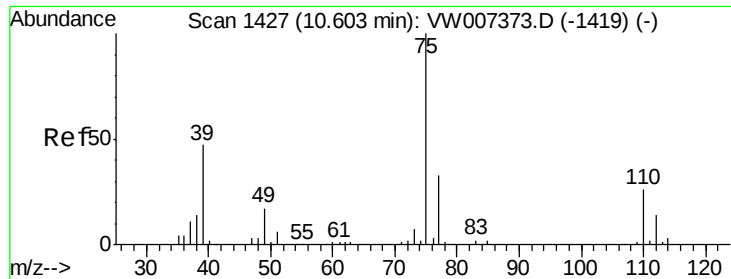
91 171.7 136.2 204.2



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

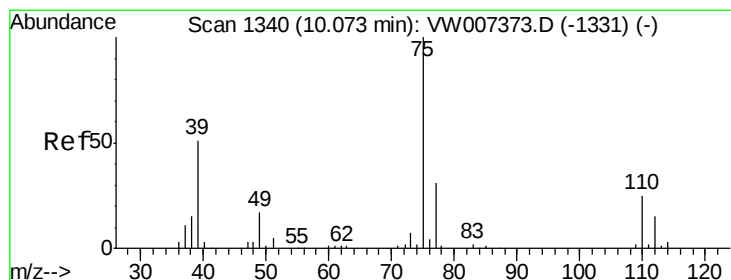
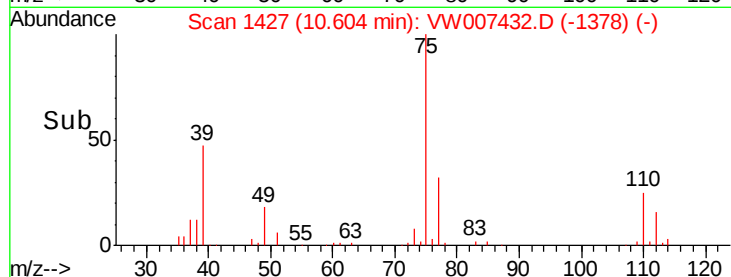
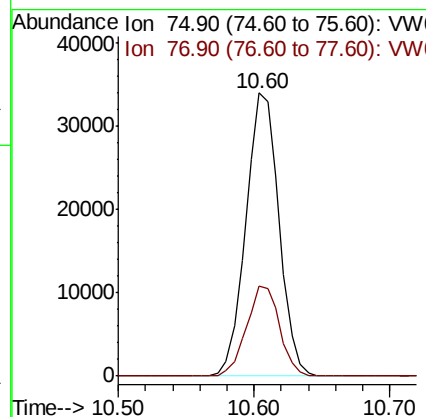
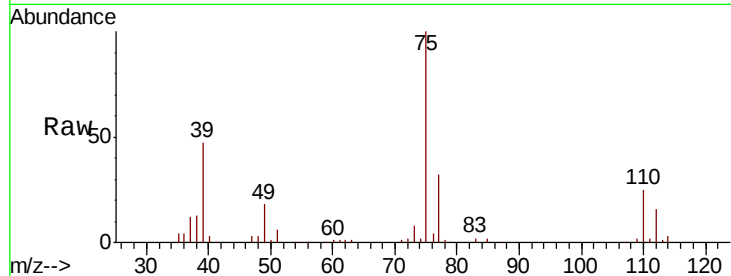




#53
 t-1,3-Dichloropropene
 Concen: 48.216 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW007432.D
 Acq: 12 Dec 2018 09:06

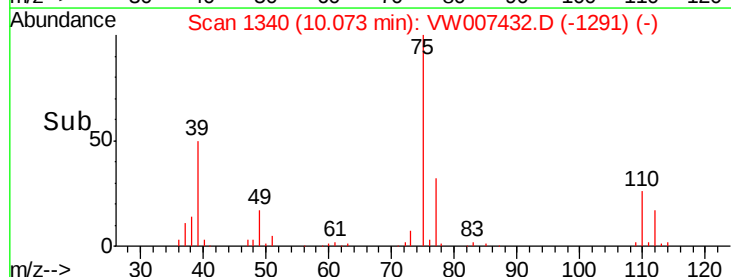
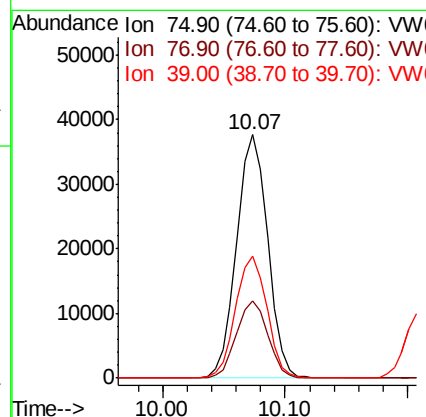
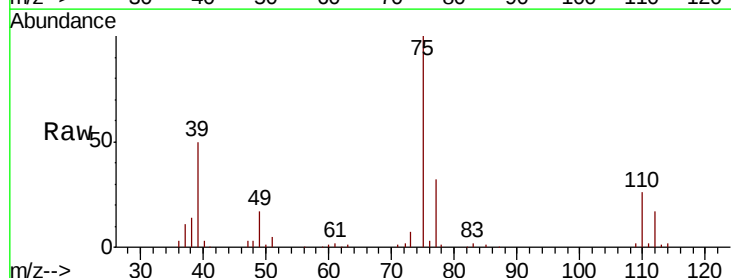
Instrument :
 MSVOA_W
 ClientSampleId :

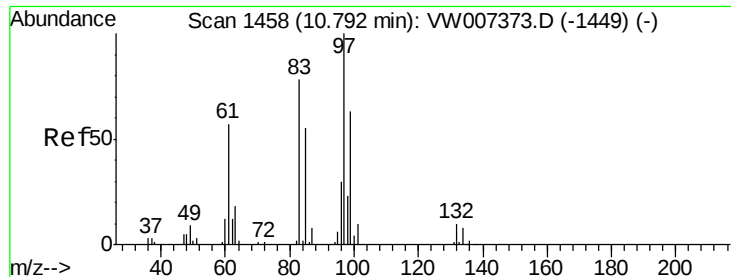
Tot Ion: 75 Resp: 57847
 Ion Ratio Lower Upper
 75 100
 77 31.9 26.2 39.4



#54
 cis-1,3-Dichloropropene
 Concen: 47.800 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW007432.D
 Acq: 12 Dec 2018 09:06

Tgt Ion: 75 Resp: 66296
 Ion Ratio Lower Upper
 75 100
 77 31.9 24.8 37.2
 39 49.9 40.9 61.3

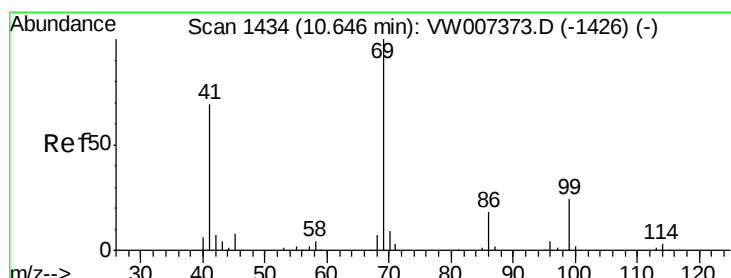
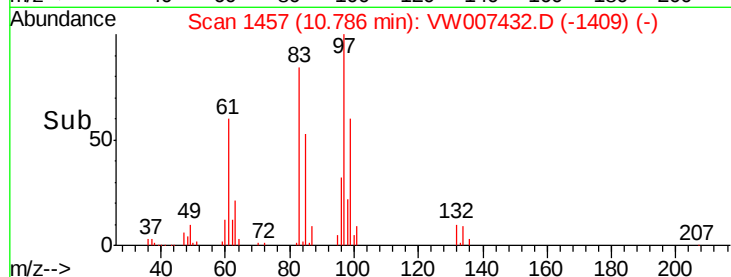
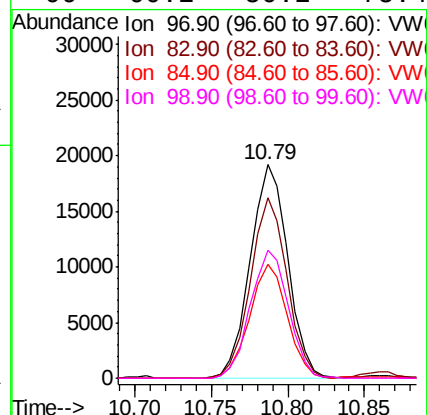
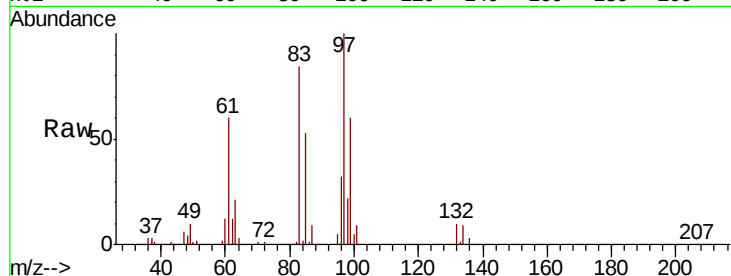




#55
 1,1,2-Trichloroethane
 Concen: 51.115 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW007432.D
 Acq: 12 Dec 2018 09:06

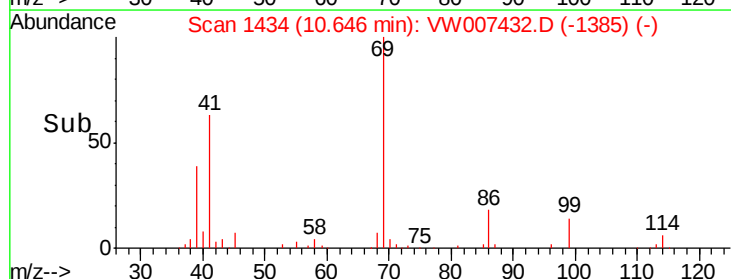
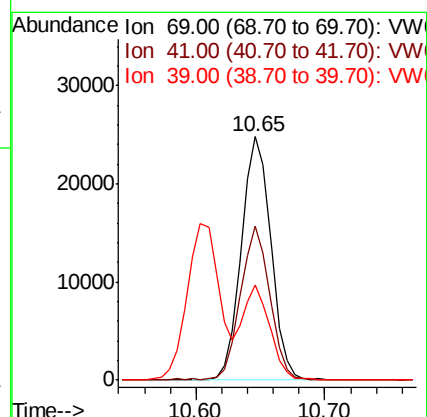
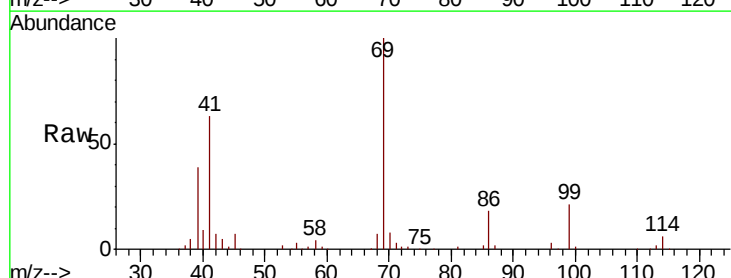
Instrument :
 MSVOA_W
 ClientSampleId :

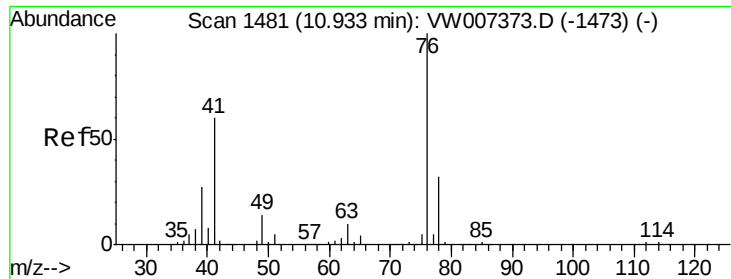
Tot Ion:	97	Resp:	32776
Ion	Ratio	Lower	Upper
97	100		
83	84.3	62.1	93.1
85	53.2	44.2	66.4
99	60.2	50.2	75.4



#56
 Ethyl methacrylate
 Concen: 51.156 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW007432.D
 Acq: 12 Dec 2018 09:06

Tgt Ion:	69	Resp:	39427
Ion	Ratio	Lower	Upper
69	100		
41	62.8	51.0	76.6
39	36.6	30.8	46.2





#57

1,3-Dichloropropane

Concen: 51.595 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW007432.D

Acq: 12 Dec 2018 09:06

Instrument :

MSVOA_W

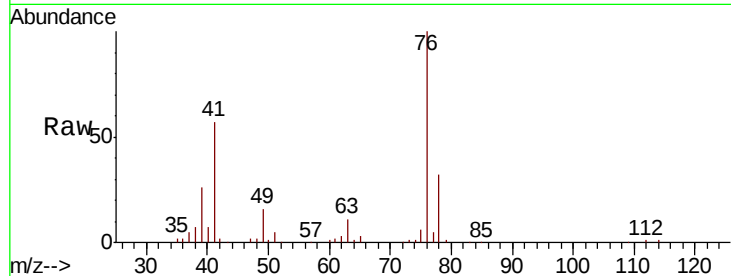
ClientSampled :

Tot Ion: 76 Resp: 54302

Ion Ratio Lower Upper

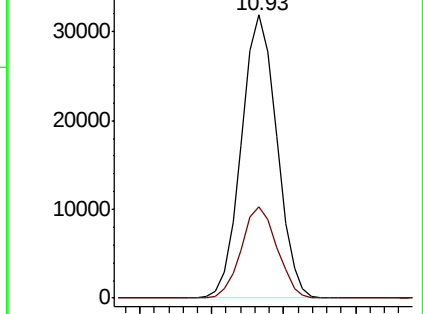
76 100

78 32.5 26.2 39.4

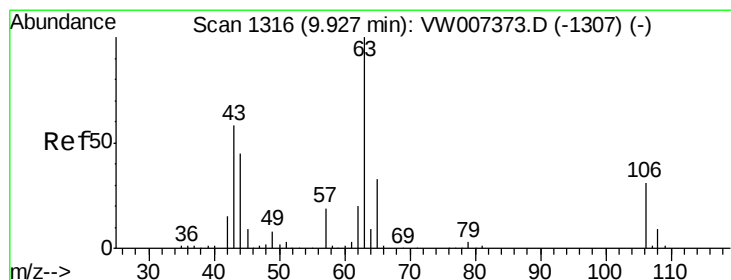
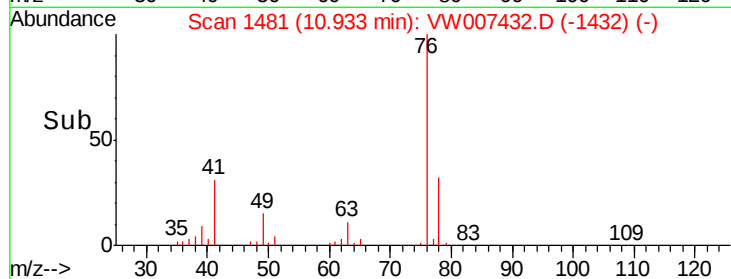


Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 256.029 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW007432.D

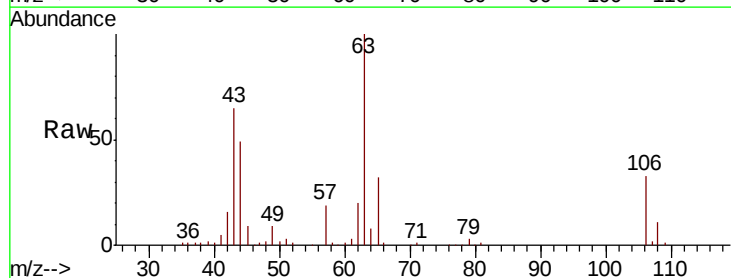
Acq: 12 Dec 2018 09:06

Tgt Ion: 63 Resp: 90997

Ion Ratio Lower Upper

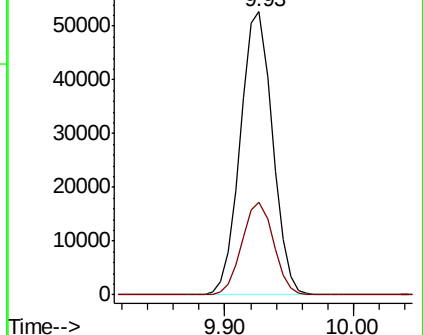
63 100

106 32.1 25.0 37.6

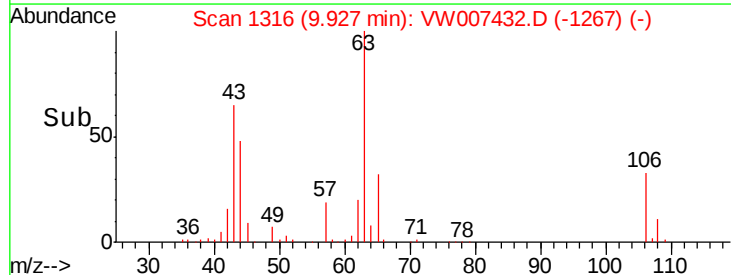


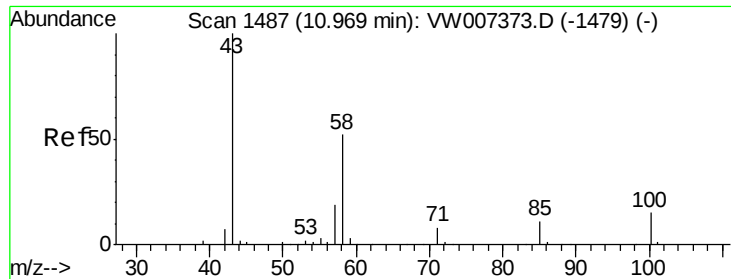
Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V



Time-->





#59

2-Hexanone

Concen: 254.996 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW007432.D

Acq: 12 Dec 2018 09:06

Instrument :

MSVOA_W

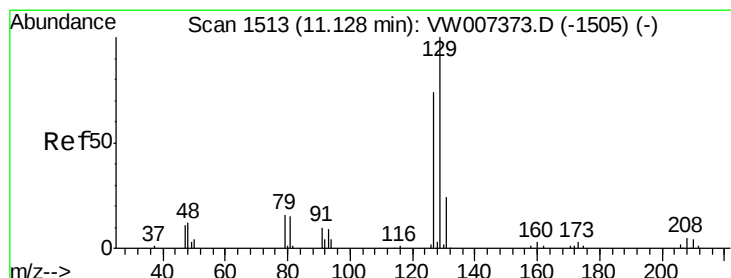
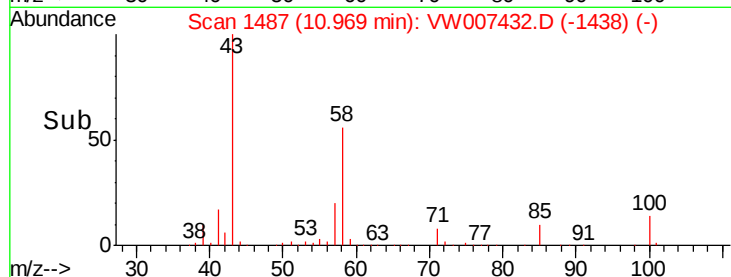
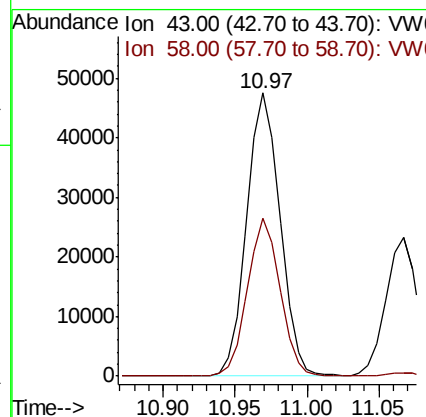
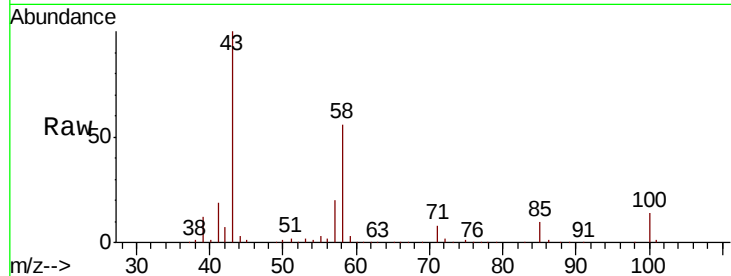
ClientSampleId :

Tot Ion: 43 Resp: 76251

Ion Ratio Lower Upper

43 100

58 54.5 27.1 81.3



#60

Dibromochloromethane

Concen: 51.503 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW007432.D

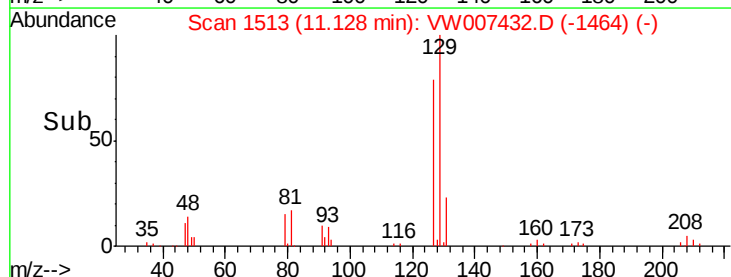
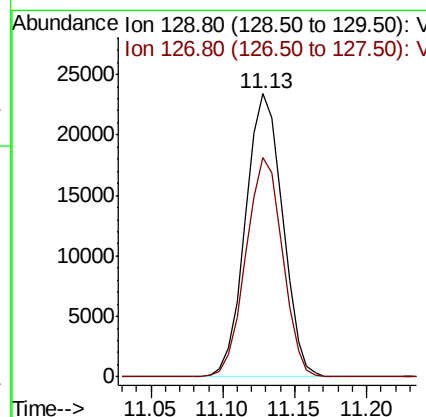
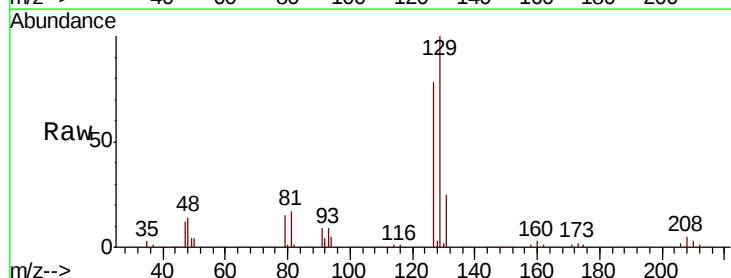
Acq: 12 Dec 2018 09:06

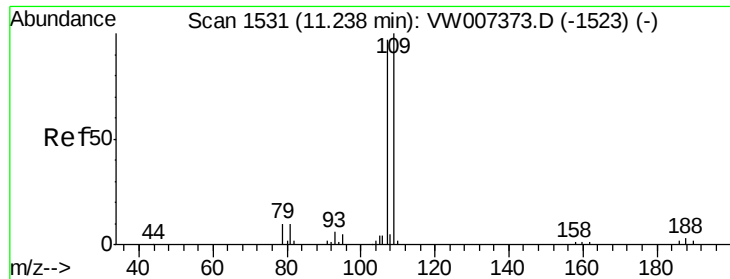
Tgt Ion: 129 Resp: 41677

Ion Ratio Lower Upper

129 100

127 76.5 38.1 114.3

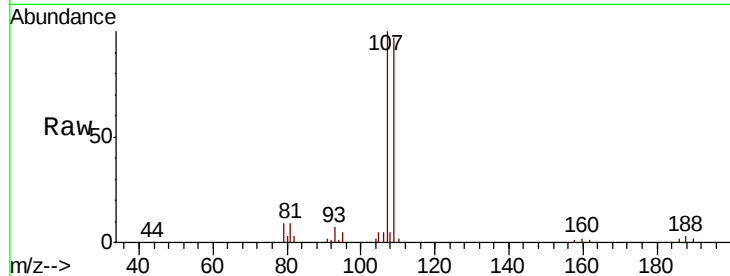




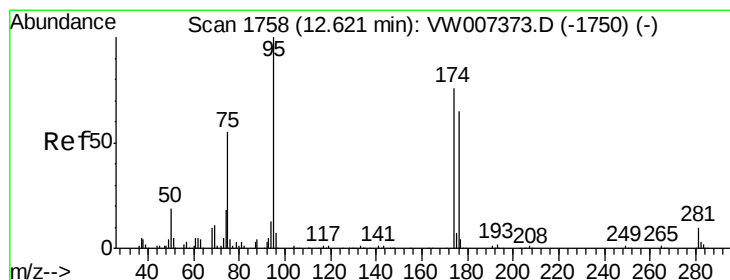
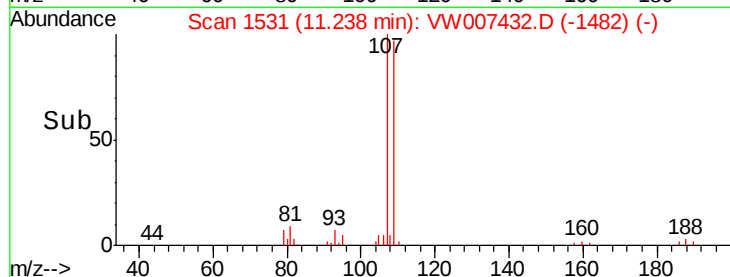
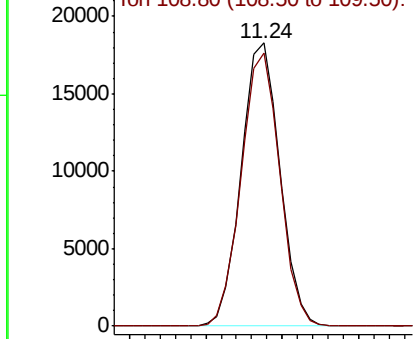
#61
1,2-Dibromoethane
Concen: 50.693 ug/l
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW007432.D
Acq: 12 Dec 2018 09:06

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:107 Resp: 32123
Ion Ratio Lower Upper
107 100
109 96.3 79.1 118.7

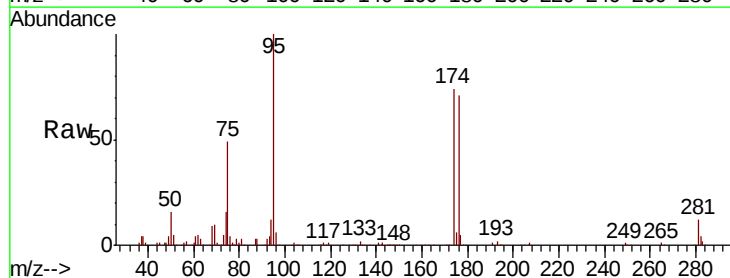


Abundance Ion 106.90 (106.60 to 107.60): V
Ion 108.80 (108.50 to 109.50): V

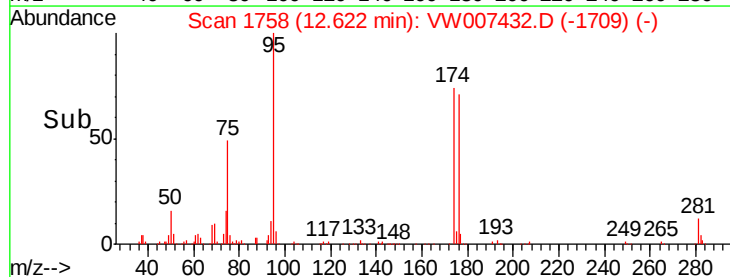
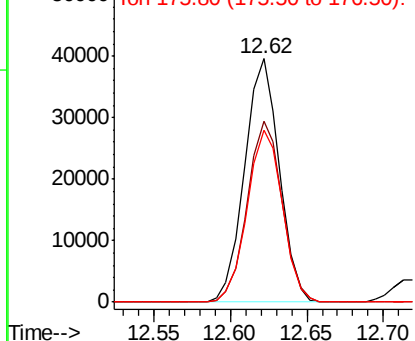


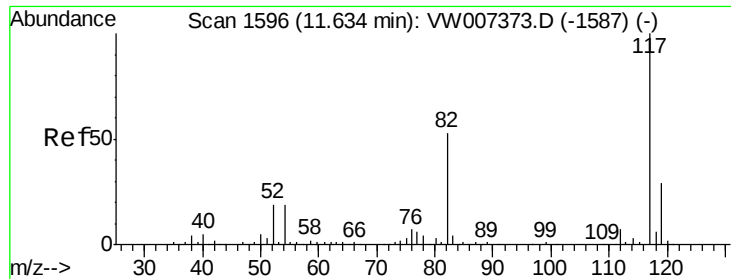
#62
4-Bromofluorobenzene
Concen: 52.782 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW007432.D
Acq: 12 Dec 2018 09:06

Tgt Ion: 95 Resp: 62376
Ion Ratio Lower Upper
95 100
174 74.6 0.0 147.2
176 71.9 0.0 138.8



Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

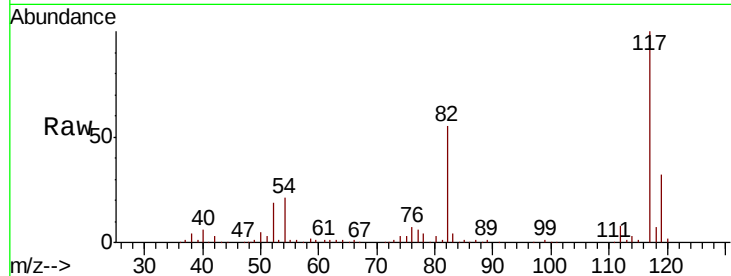




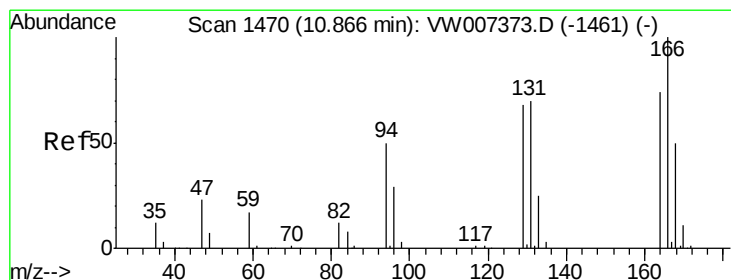
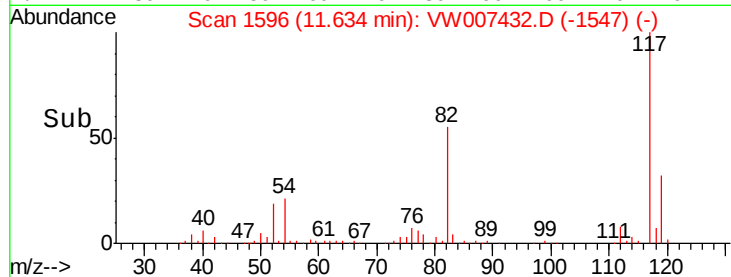
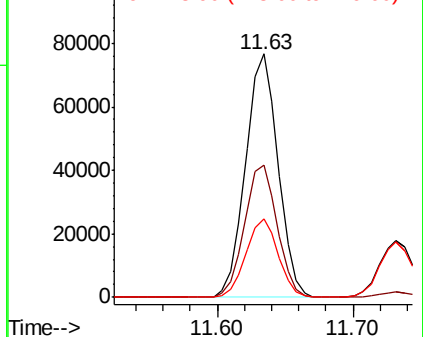
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007432.D
Acq: 12 Dec 2018 09:06

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 128243
Ion Ratio Lower Upper
117 100
82 54.5 42.3 63.5
119 32.1 23.0 34.6

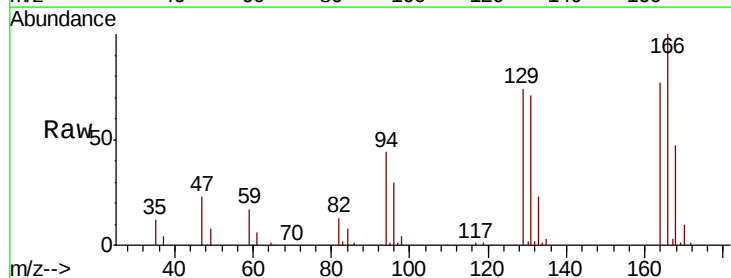


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

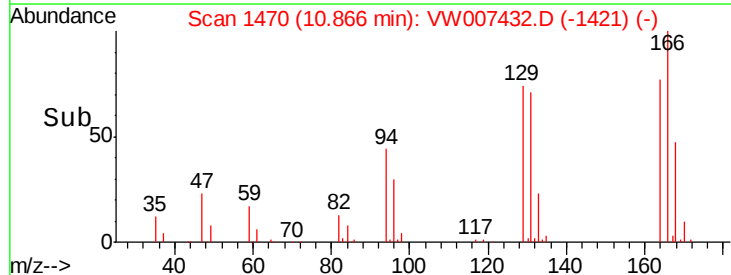
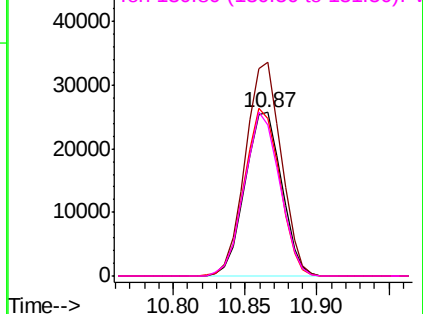


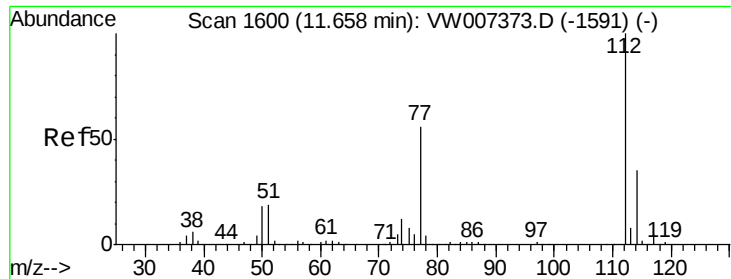
#64
Tetrachloroethene
Concen: 49.133 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW007432.D
Acq: 12 Dec 2018 09:06

Tgt Ion:164 Resp: 45312
Ion Ratio Lower Upper
164 100
166 130.6 107.9 161.9
129 96.6 73.4 110.2
131 92.4 75.8 113.6



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

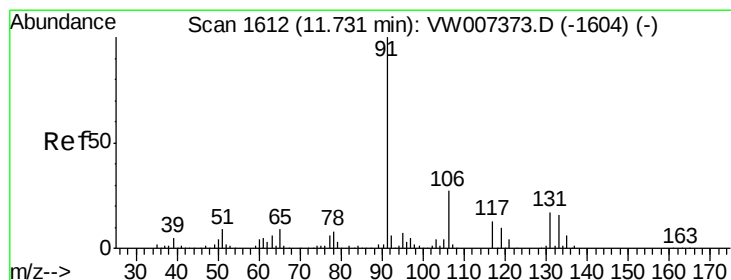
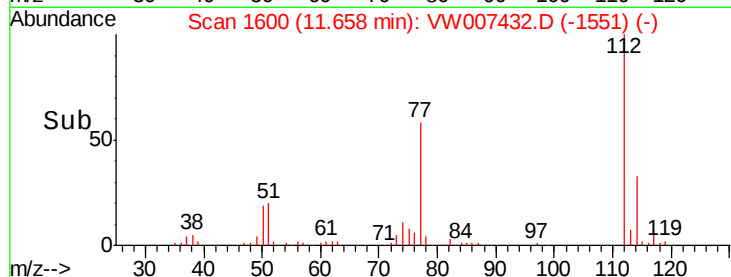
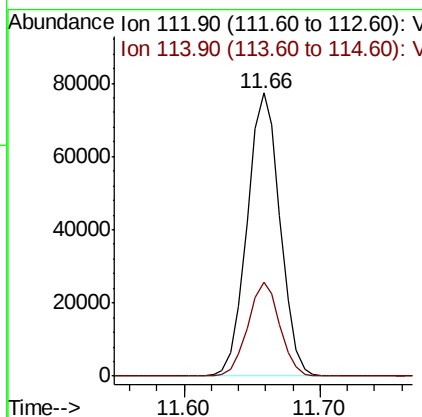
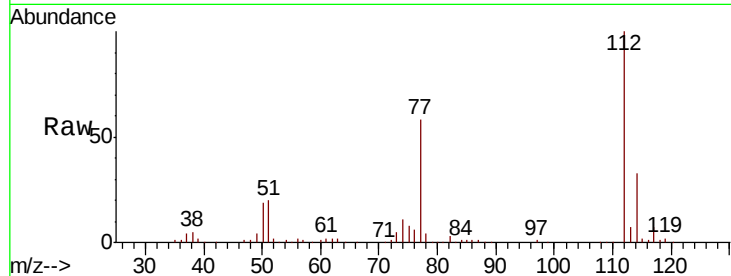




#65
Chlorobenzene
Concen: 48.912 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007432.D
Acq: 12 Dec 2018 09:06

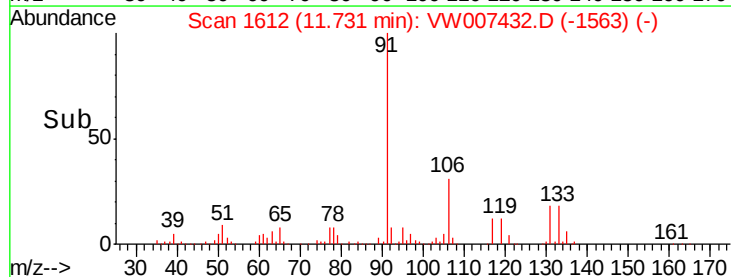
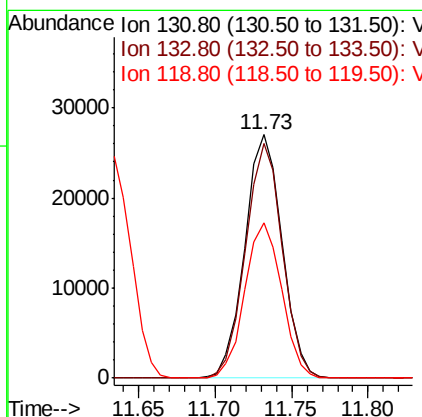
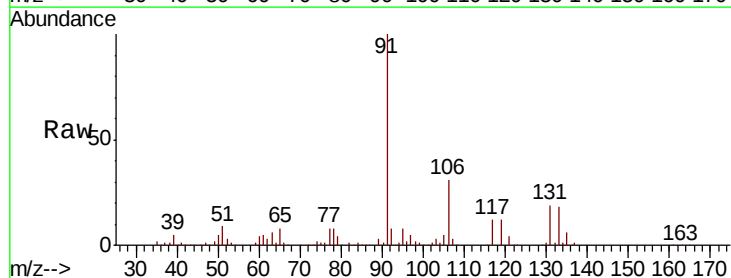
Instrument :
MSVOA_W
ClientSampled :

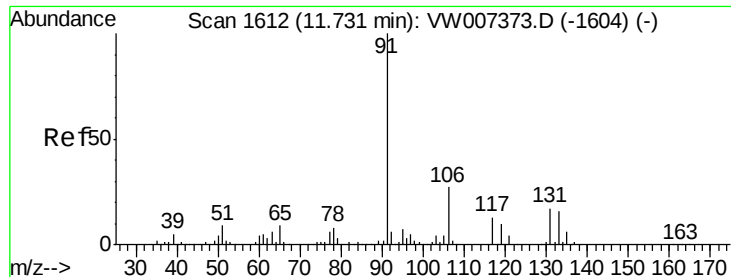
Tot Ion:112 Resp: 130741
Ion Ratio Lower Upper
112 100
114 33.1 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 48.674 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007432.D
Acq: 12 Dec 2018 09:06

Tgt Ion:131 Resp: 45823
Ion Ratio Lower Upper
131 100
133 95.2 47.1 141.4
119 63.3 31.3 93.9

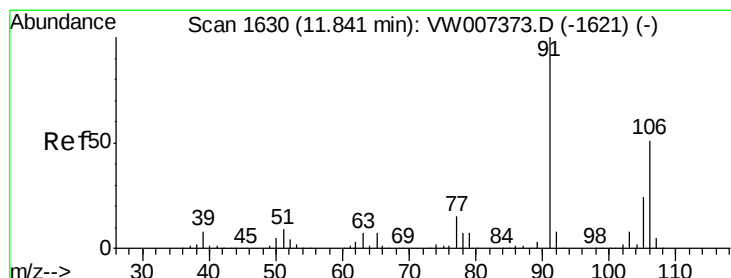
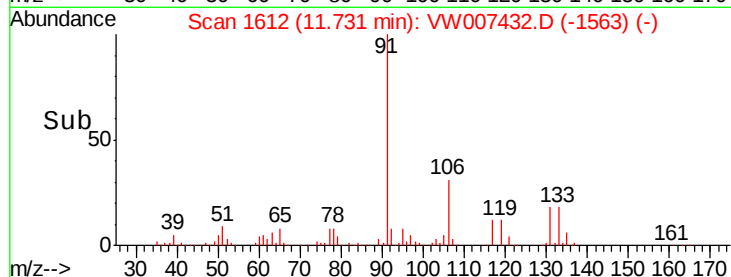
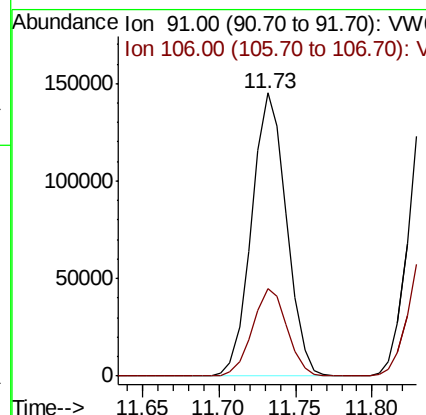
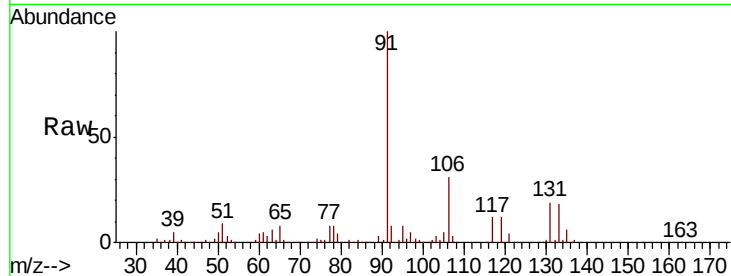




#67
Ethyl Benzene
Concen: 49.947 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007432.D
Acq: 12 Dec 2018 09:06

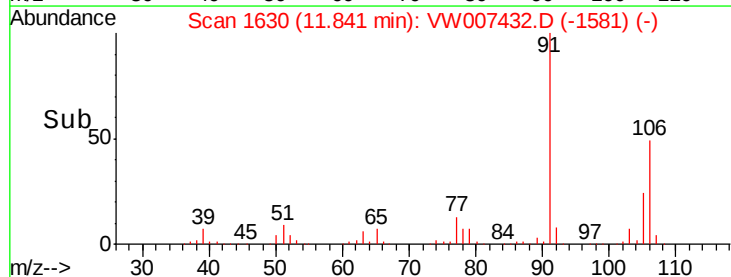
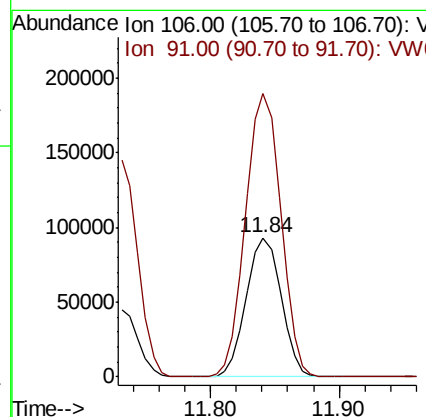
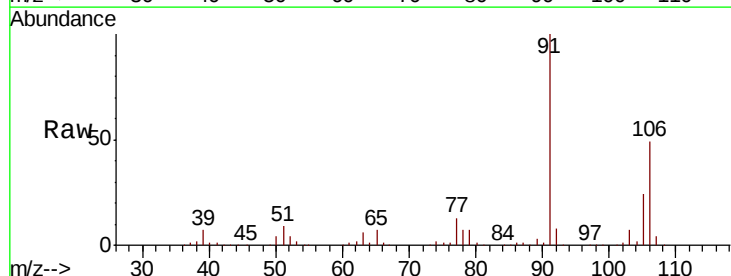
Instrument :
MSVOA_W
ClientSampleId :

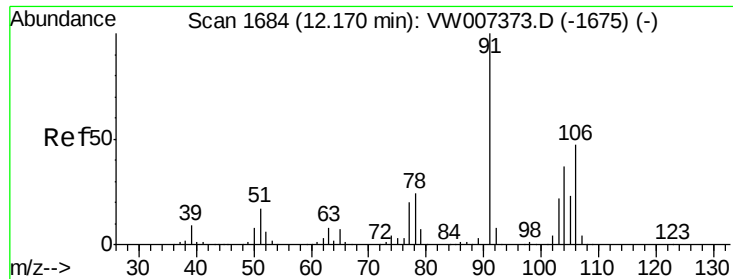
Tot Ion: 91 Resp: 229535
Ion Ratio Lower Upper
91 100
106 30.7 21.8 32.8



#68
m/p-Xylenes
Concen: 98.221 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007432.D
Acq: 12 Dec 2018 09:06

Tgt Ion:106 Resp: 175479
Ion Ratio Lower Upper
106 100
91 205.6 165.3 247.9

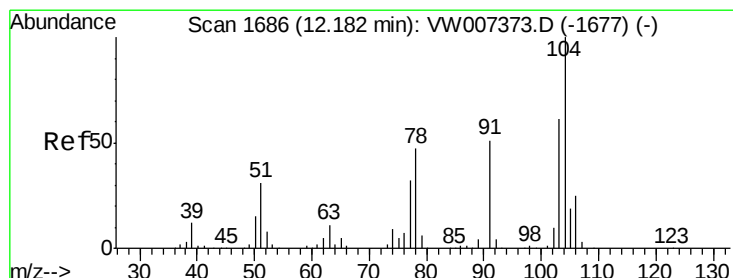
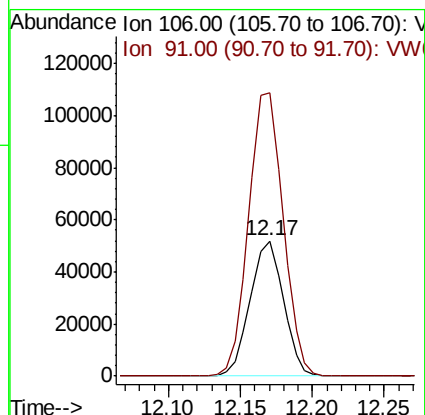
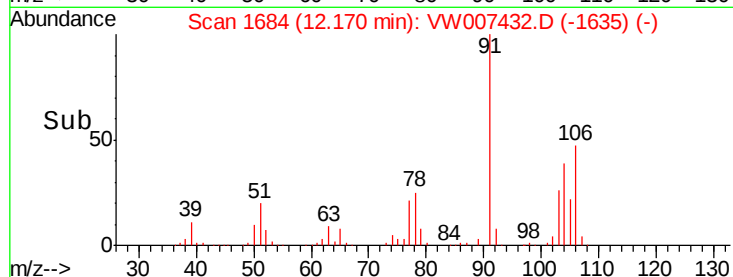
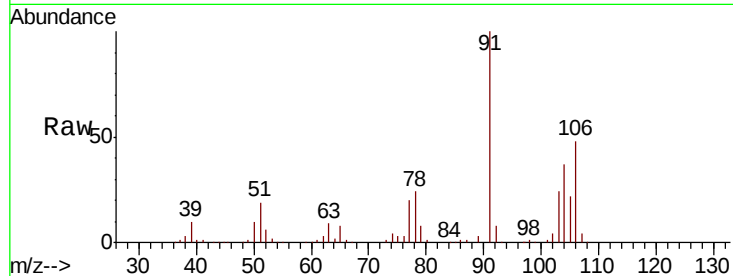




#69
o-Xylene
Concen: 49.886 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007432.D
Acq: 12 Dec 2018 09:06

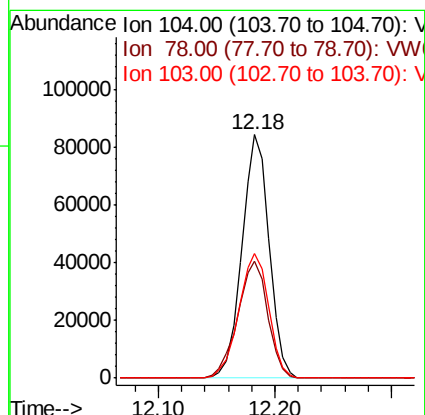
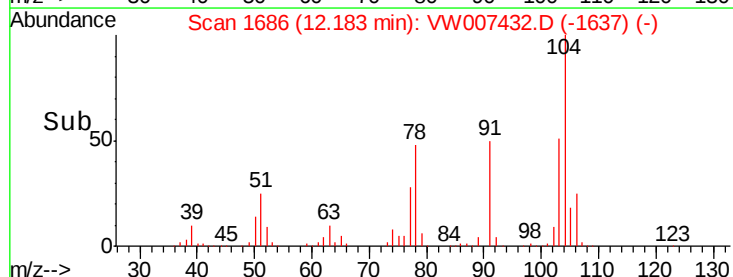
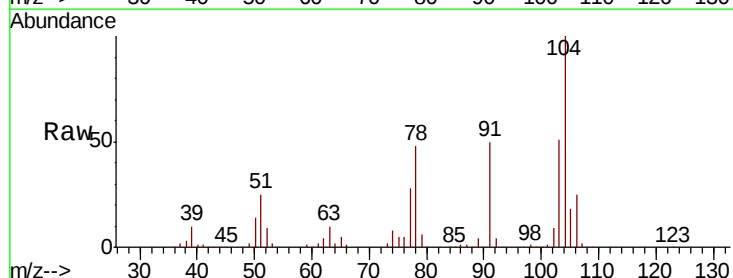
Instrument :
MSVOA_W
ClientSampled :

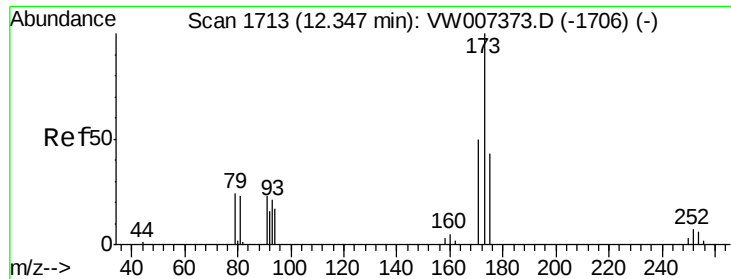
Tot Ion:106 Resp: 83237
Ion Ratio Lower Upper
106 100
91 216.3 106.6 319.8



#70
Styrene
Concen: 50.832 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007432.D
Acq: 12 Dec 2018 09:06

Tgt Ion:104 Resp: 136995
Ion Ratio Lower Upper
104 100
78 53.1 41.8 62.8
103 56.4 46.6 69.8





#71

Bromoform

Concen: 47.790 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW007432.D

Acq: 12 Dec 2018 09:06

Instrument :

MSVOA_W

ClientSampleId :

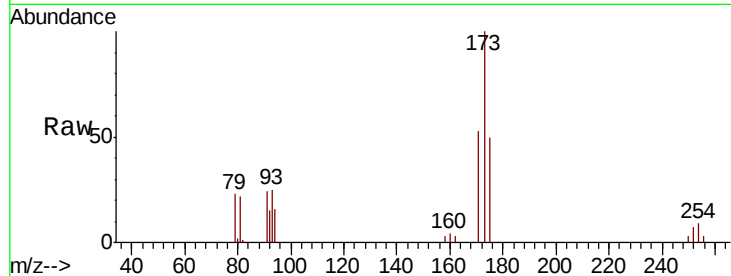
Tot Ion:173 Resp: 23028

Ion Ratio Lower Upper

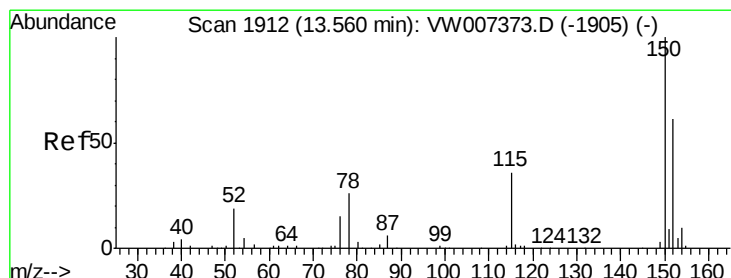
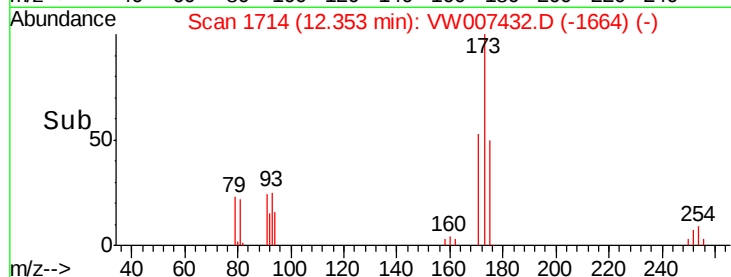
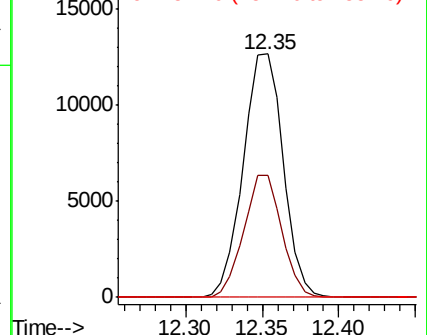
173 100

175 47.5 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: VW007432.D

Acq: 12 Dec 2018 09:06

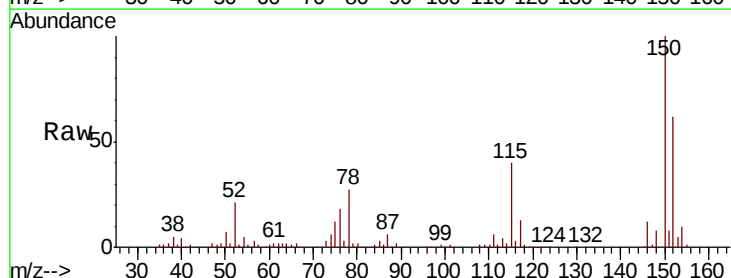
Tgt Ion:152 Resp: 61971

Ion Ratio Lower Upper

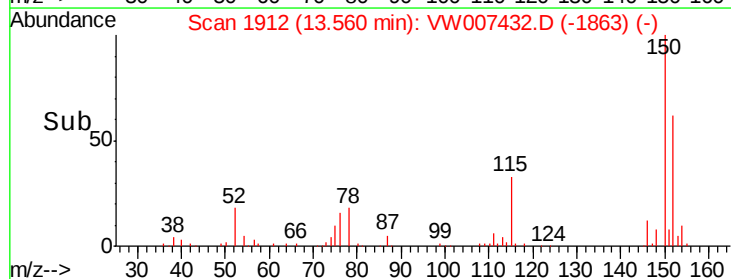
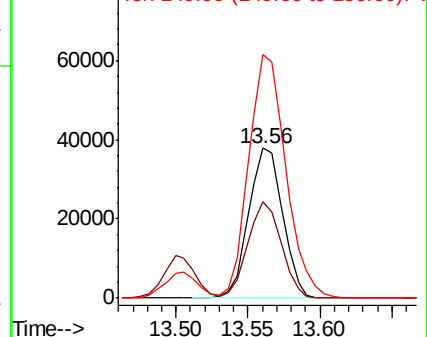
152 100

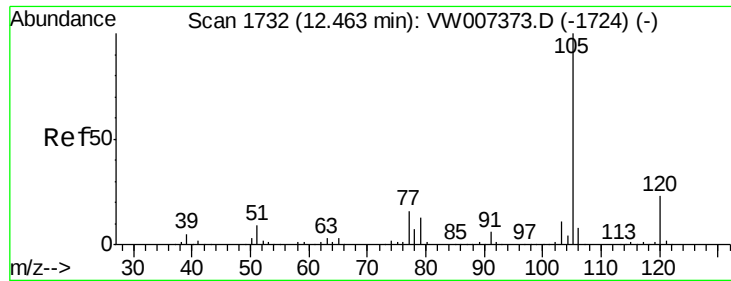
115 63.1 31.4 94.2

150 176.5 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: 48.734 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007432.D

Acq: 12 Dec 2018 09:06

Instrument :

MSVOA_W

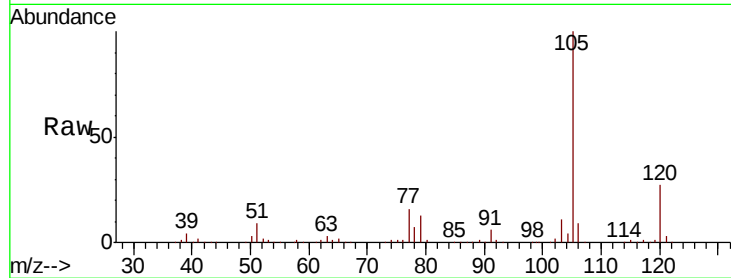
ClientSampleId :

Tot Ion:105 Resp: 231410

Ion Ratio Lower Upper

105 100

120 26.4 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

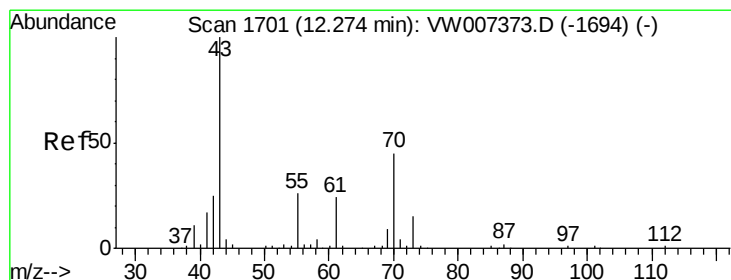
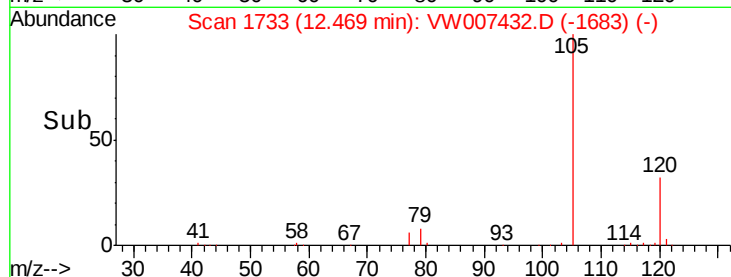
100000

50000

0

12.40 12.45 12.50 12.55

Time-->



#74

N-ethyl acetate

Concen: 47.823 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW007432.D

Acq: 12 Dec 2018 09:06

Tgt Ion: 43 Resp: 41271

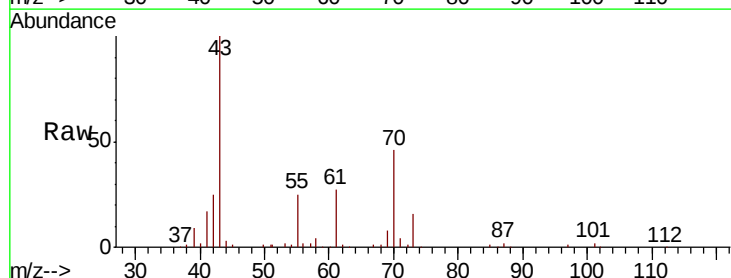
Ion Ratio Lower Upper

43 100

70 45.3 36.5 54.7

55 25.5 20.1 30.1

61 25.6 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

40000

30000

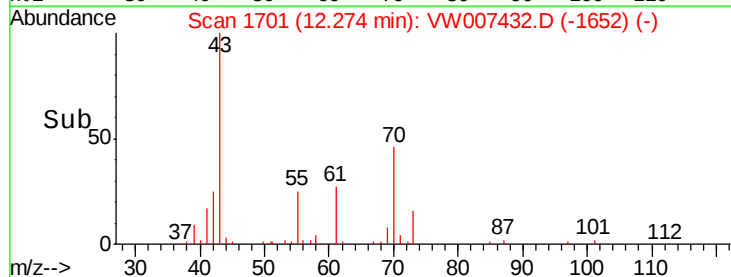
20000

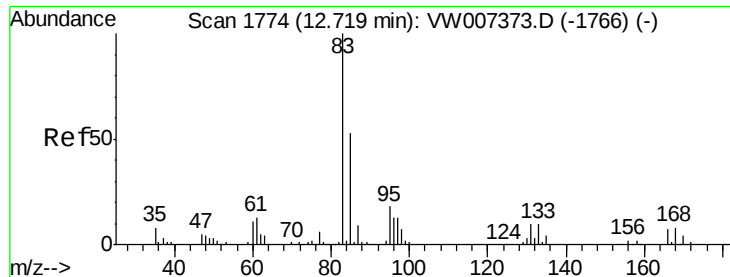
10000

0

12.20 12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 48.676 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007432.D

Acq: 12 Dec 2018 09:06

Instrument :

MSVOA_W

ClientSampled :

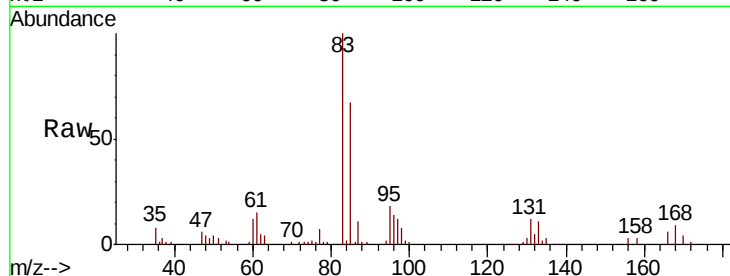
Tot Ion: 83 Resp: 34234

Ion Ratio Lower Upper

83 100

131 12.6 5.9 17.8

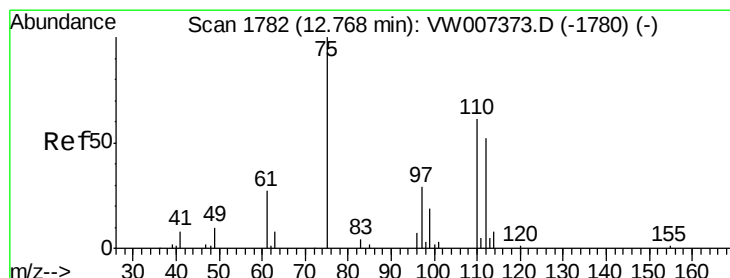
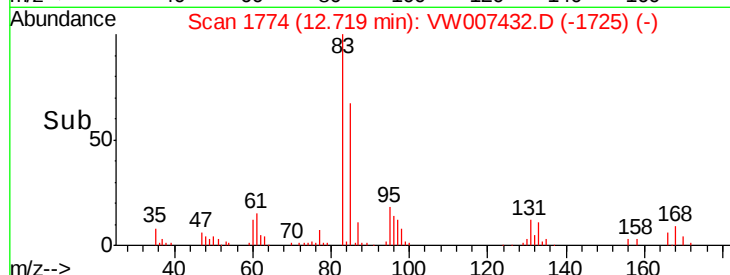
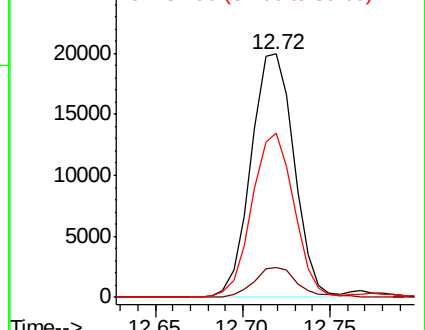
85 65.8 30.0 90.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 92.698 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW007432.D

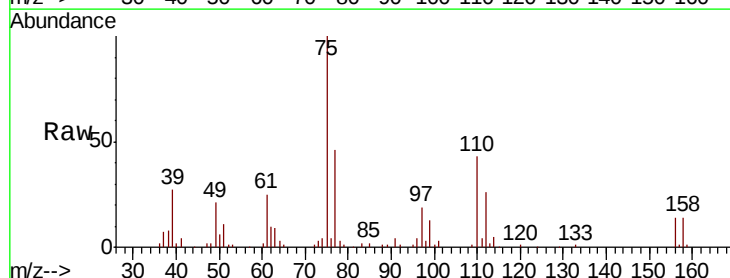
Acq: 12 Dec 2018 09:06

Tgt Ion: 75 Resp: 47366

Ion Ratio Lower Upper

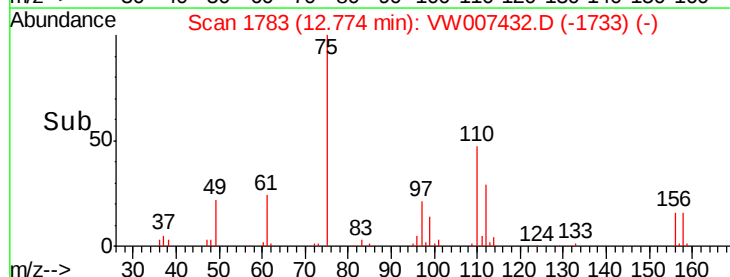
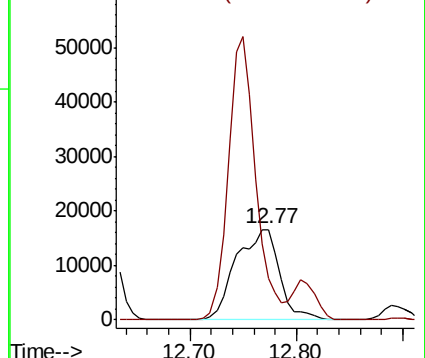
75 100

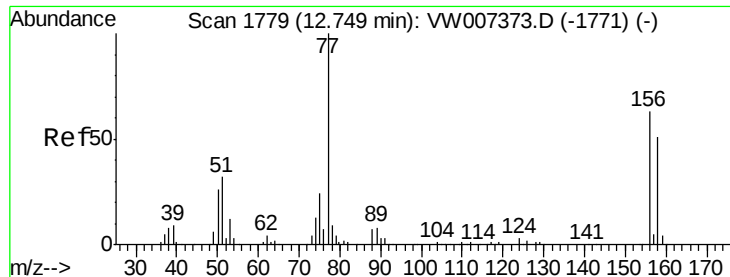
77 0.0 166.9 500.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 49.494 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW007432.D

Acq: 12 Dec 2018 09:06

Instrument :

MSVOA_W

ClientSampleId :

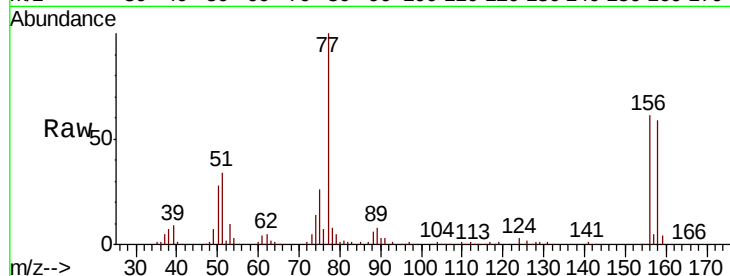
Tot Ion:156 Resp: 52095

Ion Ratio Lower Upper

156 100

77 179.0 88.1 264.4

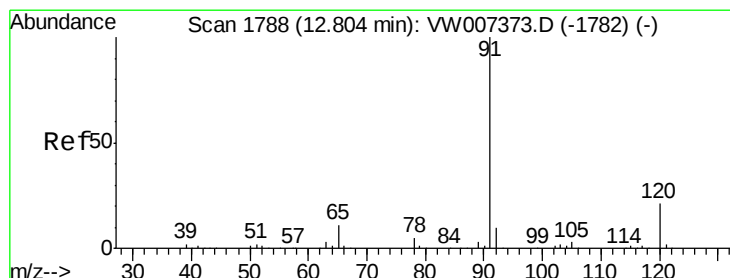
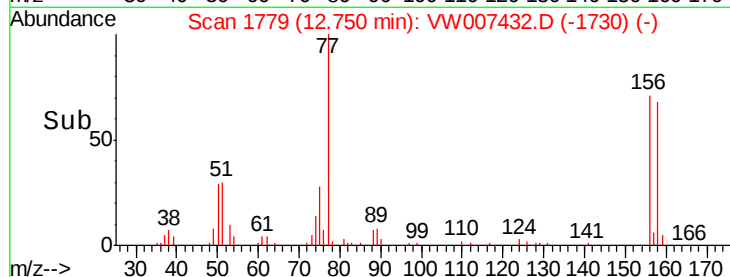
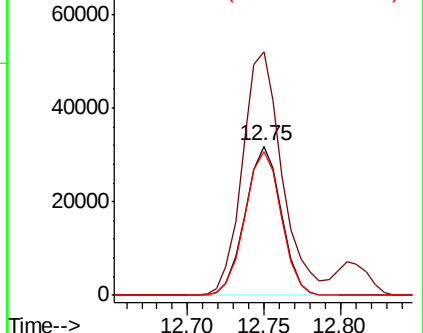
158 97.0 45.6 136.7



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: 50.144 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VW007432.D

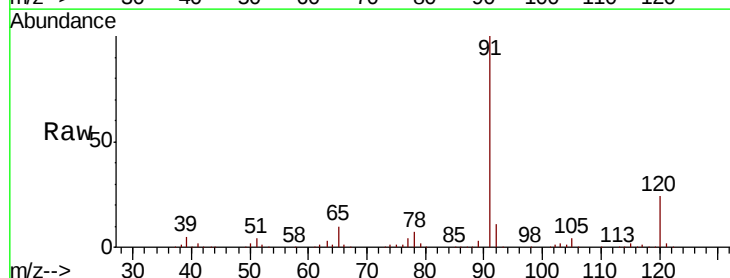
Acq: 12 Dec 2018 09:06

Tgt Ion: 91 Resp: 267966

Ion Ratio Lower Upper

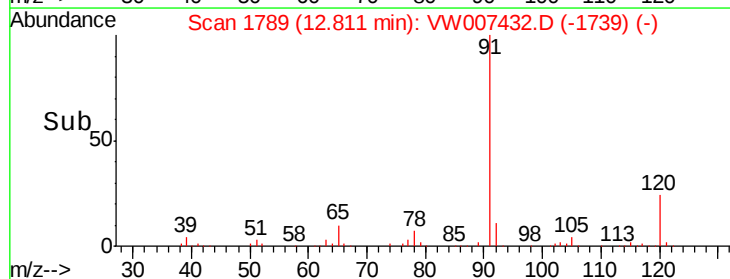
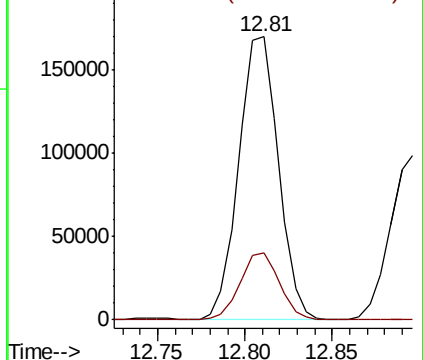
91 100

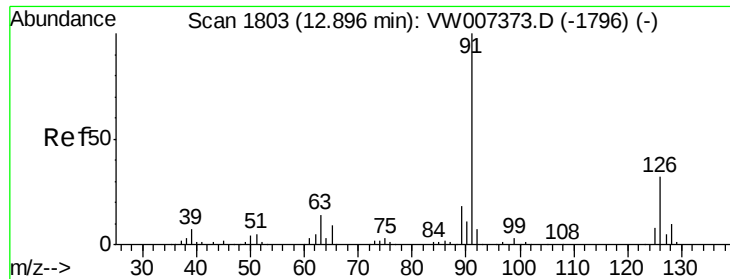
120 23.5 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

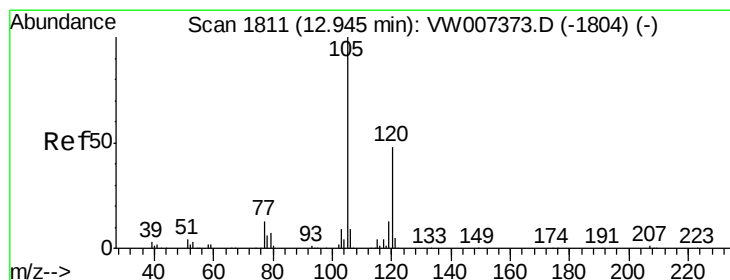
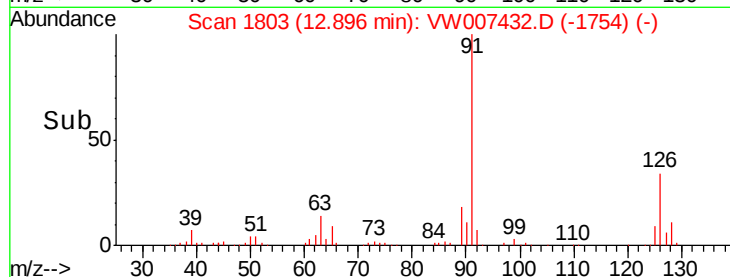
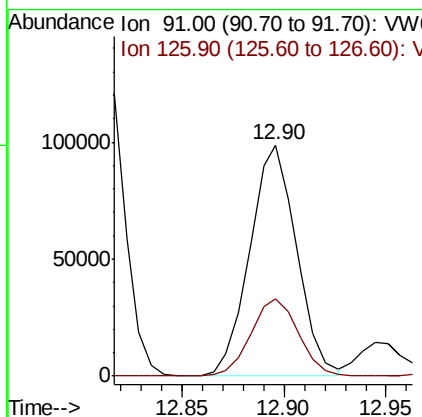
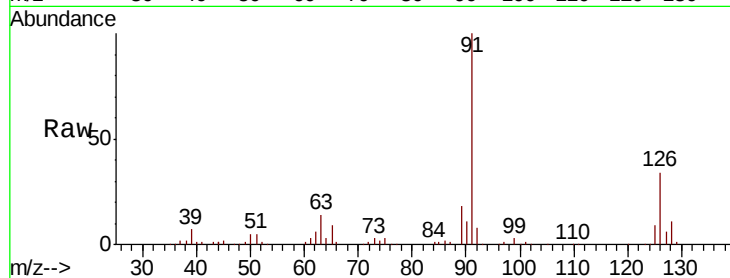




#79
2-Chlorotoluene
Concen: 48.710 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VW007432.D
Acq: 12 Dec 2018 09:06

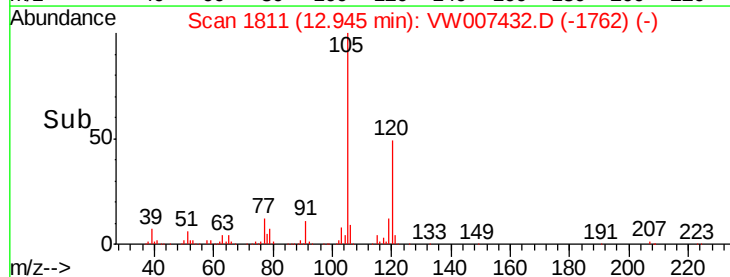
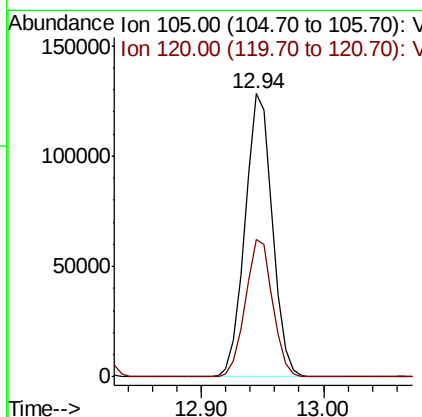
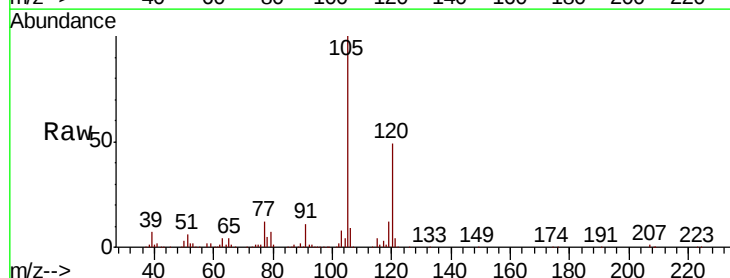
Instrument :
MSVOA_W
ClientSampleId :

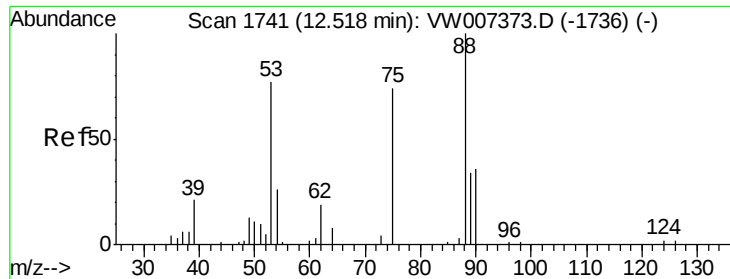
Tot Ion: 91 Resp: 157505
Ion Ratio Lower Upper
91 100
126 33.8 15.9 47.6



#80
1,3,5-Trimethylbenzene
Concen: 49.855 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW007432.D
Acq: 12 Dec 2018 09:06

Tgt Ion:105 Resp: 198917
Ion Ratio Lower Upper
105 100
120 48.6 23.8 71.4





#81

trans-1,4-Dichloro-2-butene

Concen: 45.419 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW007432.D

Acq: 12 Dec 2018 09:06

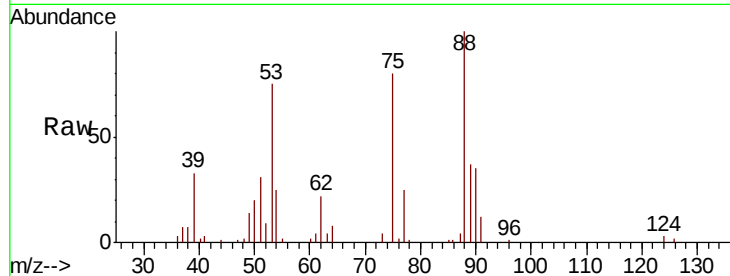
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 10506

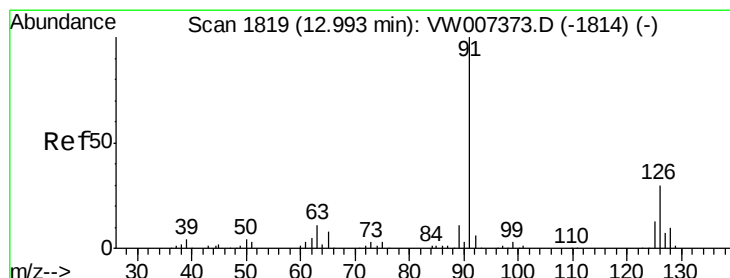
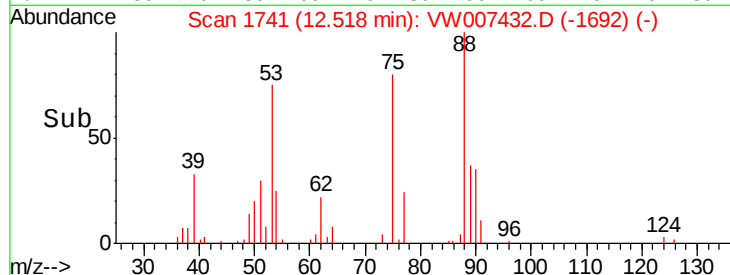
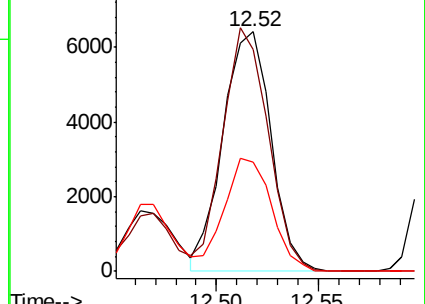
Ion	Ratio	Lower	Upper
75	100		
53	96.0	84.9	127.3
89	47.0	40.3	60.5



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: 48.881 ug/l

RT: 12.99 min Scan# 1819

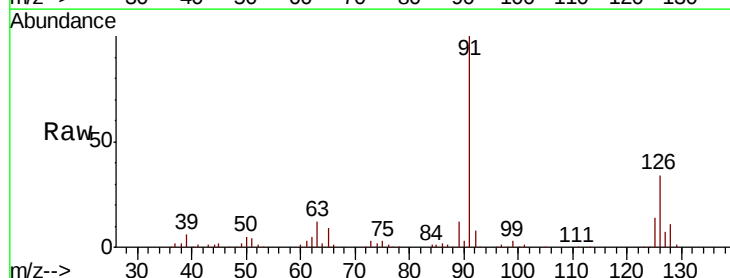
Delta R.T. 0.00 min

Lab File: VW007432.D

Acq: 12 Dec 2018 09:06

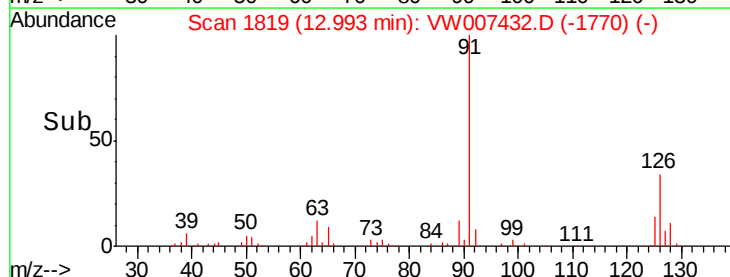
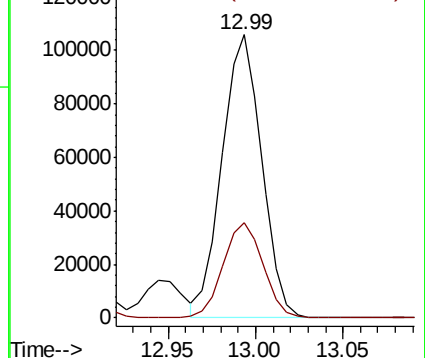
Tgt Ion: 91 Resp: 166610

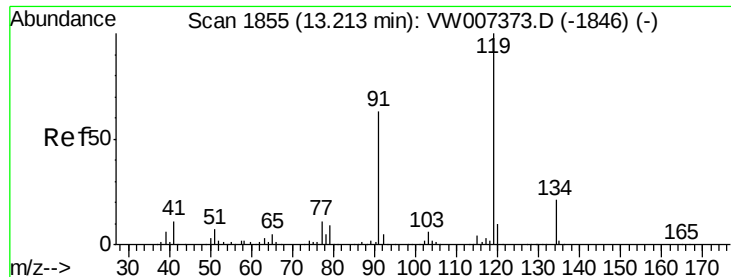
Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.0	48.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

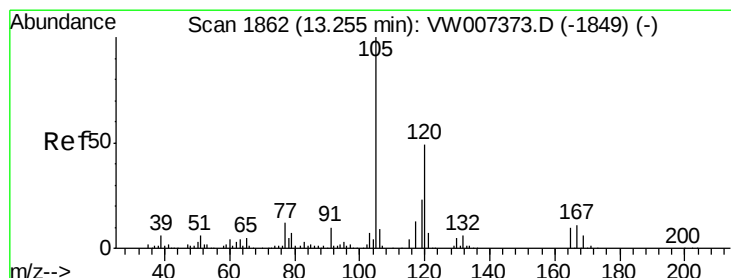
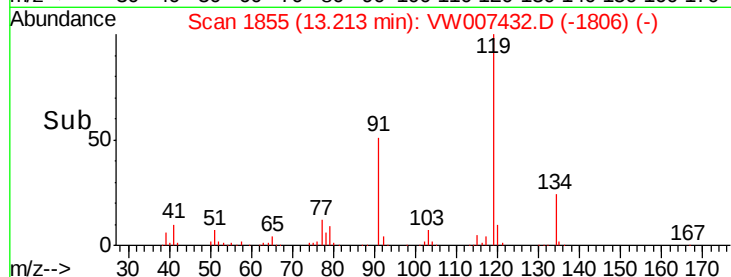
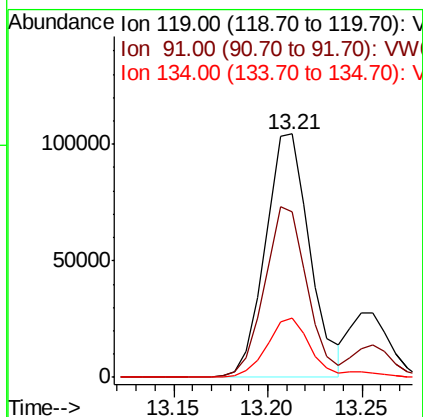
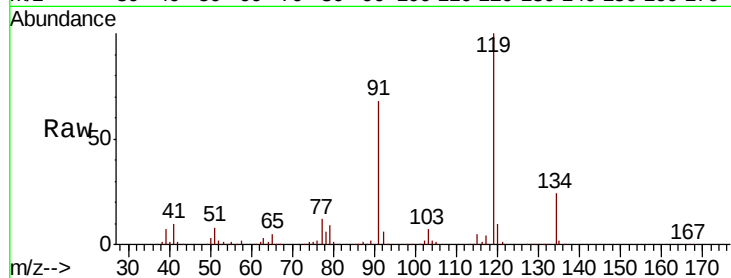




#83
tert-Butylbenzene
Concen: 48.826 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW007432.D
Acq: 12 Dec 2018 09:06

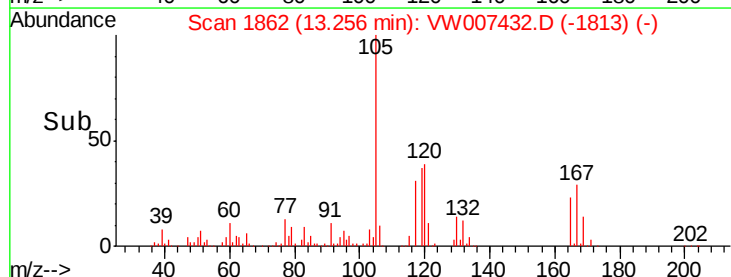
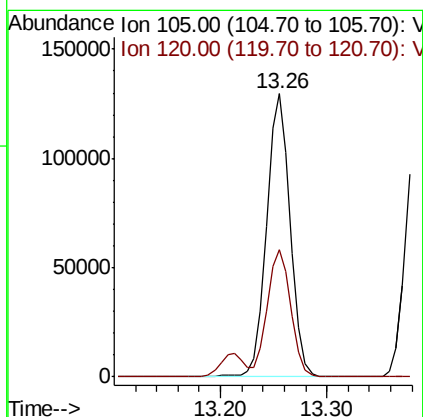
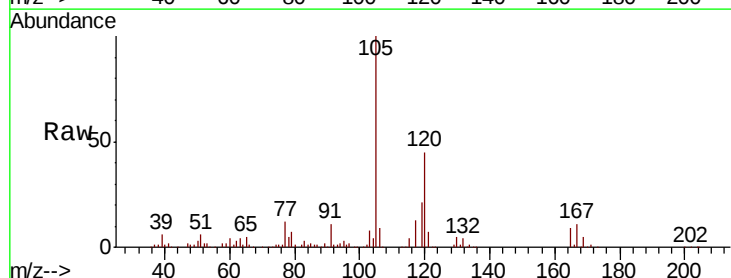
Instrument :
MSVOA_W
ClientSampled :

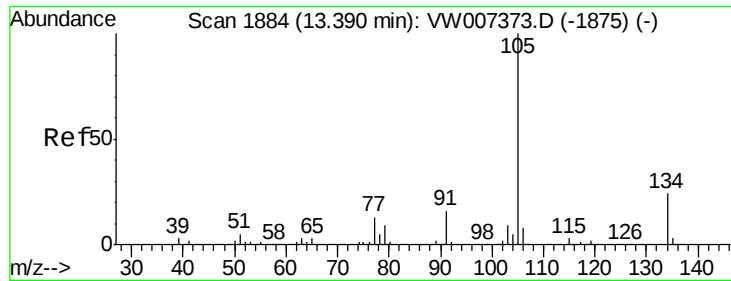
Tot Ion:119 Resp: 171654
Ion Ratio Lower Upper
119 100
91 66.9 33.1 99.2
134 25.0 12.5 37.5



#84
1,2,4-Trimethylbenzene
Concen: 48.625 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW007432.D
Acq: 12 Dec 2018 09:06

Tgt Ion:105 Resp: 199645
Ion Ratio Lower Upper
105 100
120 45.4 22.6 67.7

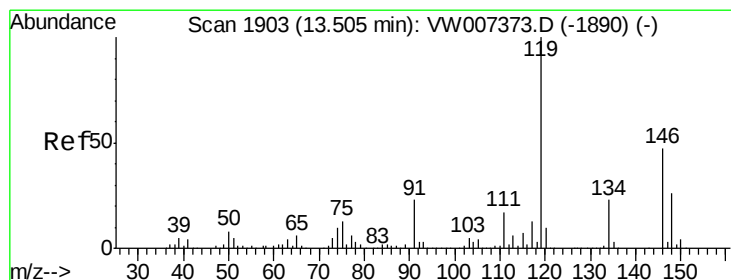
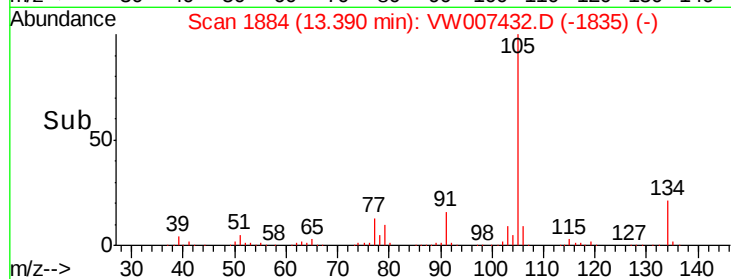
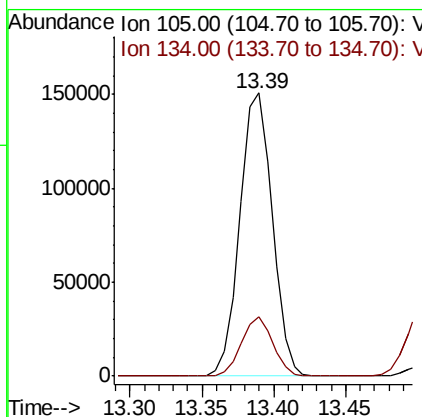
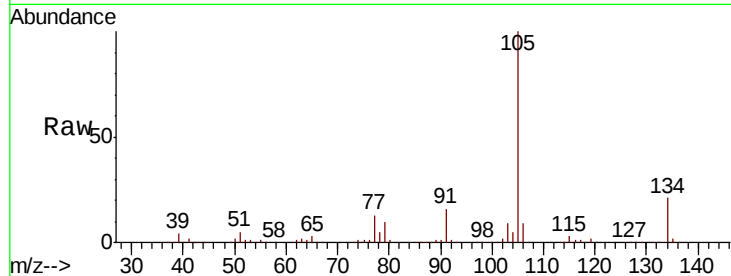




#85
 sec-Butylbenzene
 Concen: 49.115 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW007432.D
 Acq: 12 Dec 2018 09:06

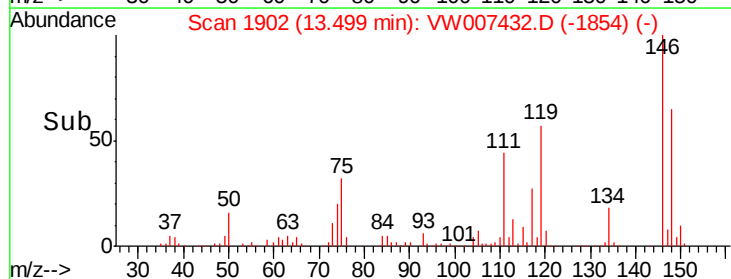
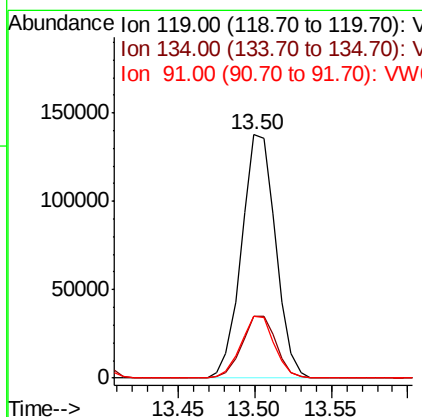
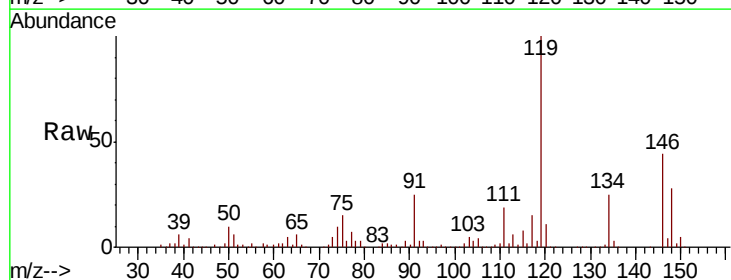
Instrument :
 MSVOA_W
 ClientSampleId :

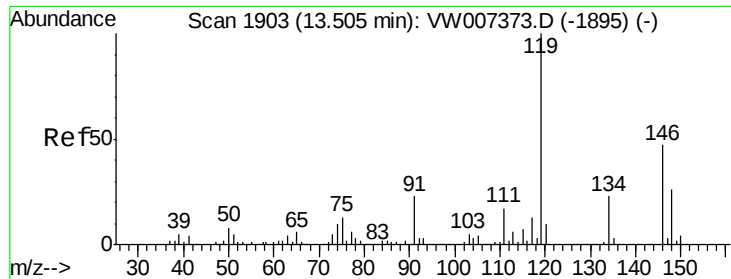
Tot Ion:105 Resp: 235716
 Ion Ratio Lower Upper
 105 100
 134 20.2 11.1 33.3



#86
 p-Isopropyltoluene
 Concen: 49.356 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW007432.D
 Acq: 12 Dec 2018 09:06

Tgt Ion:119 Resp: 212799
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.9 38.7
 91 24.8 11.9 35.9

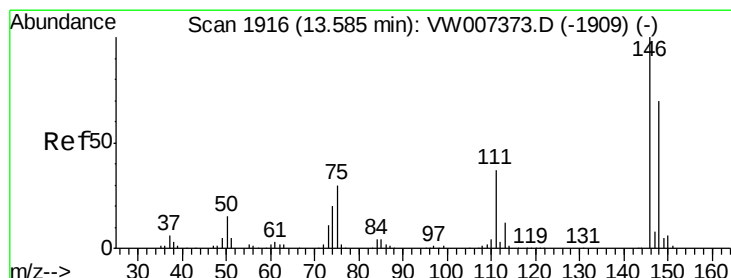
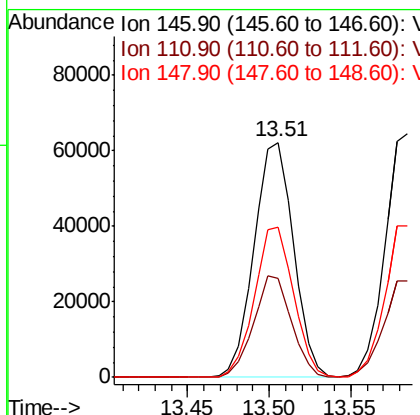
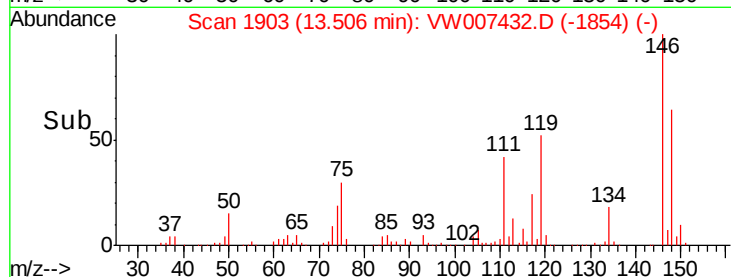
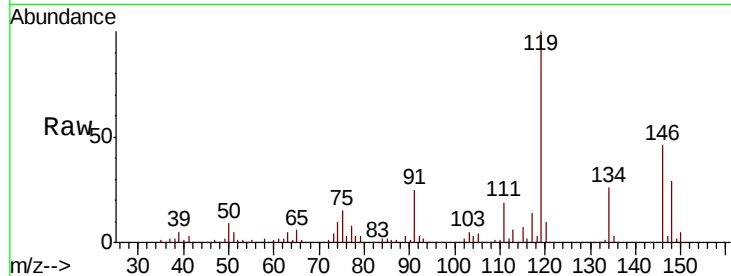




#87
 1,3-Dichlorobenzene
 Concen: 49.708 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007432.D
 Acq: 12 Dec 2018 09:06

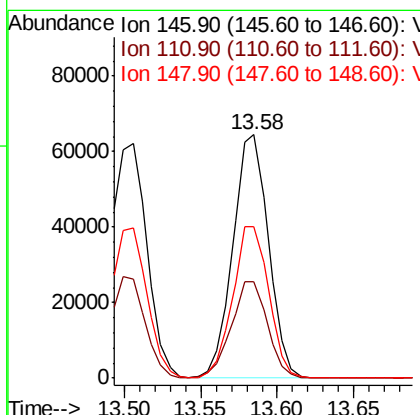
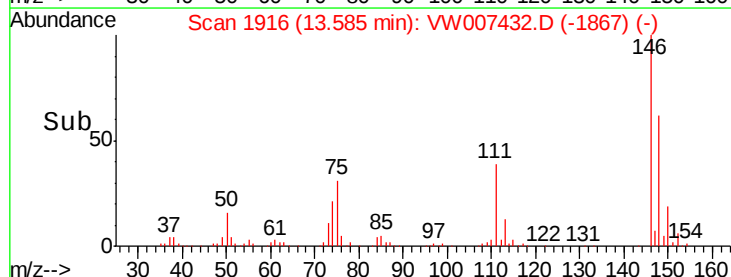
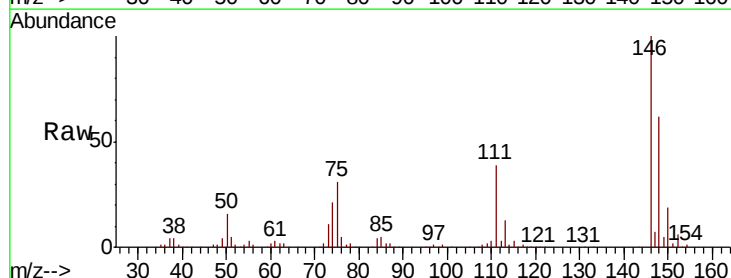
Instrument :
 MSVOA_W
 ClientSampleId :

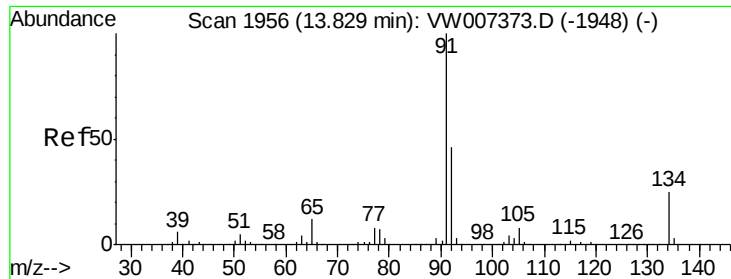
Tot Ion:146 Resp: 104316
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.1 60.3
 148 63.3 31.4 94.0



#88
 1,4-Dichlorobenzene
 Concen: 49.249 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW007432.D
 Acq: 12 Dec 2018 09:06

Tgt Ion:146 Resp: 103904
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.3 61.0
 148 63.3 33.5 100.5





#89

n-Butylbenzene

Concen: 49.030 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW007432.D

Acq: 12 Dec 2018 09:06

Instrument :

MSVOA_W

ClientSampleId :

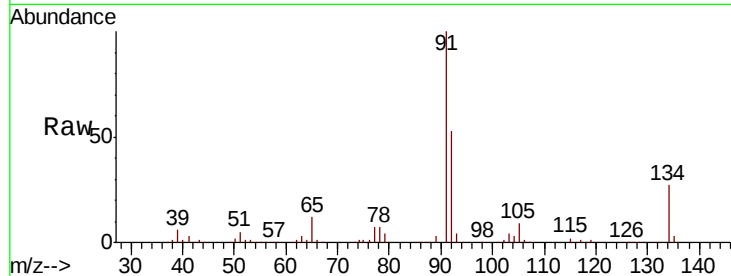
Tot Ion: 91 Resp: 195974

Ion Ratio Lower Upper

91 100

92 52.7 25.7 77.1

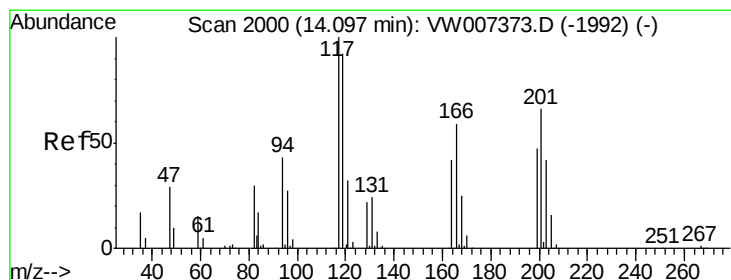
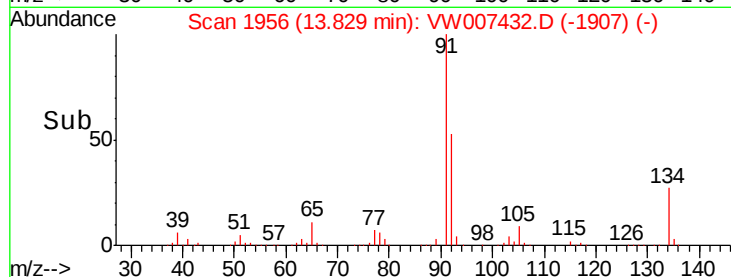
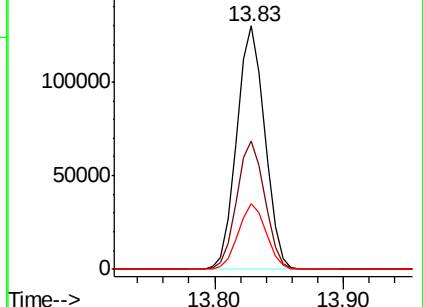
134 26.7 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 48.402 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW007432.D

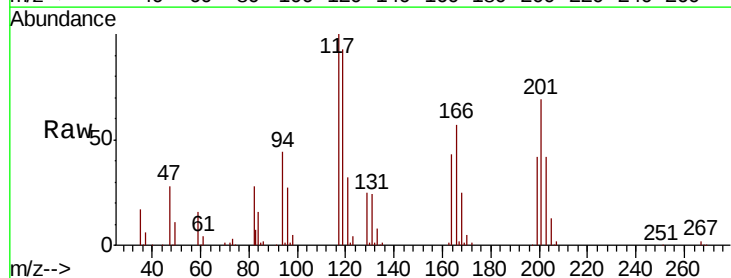
Acq: 12 Dec 2018 09:06

Tgt Ion: 117 Resp: 37132

Ion Ratio Lower Upper

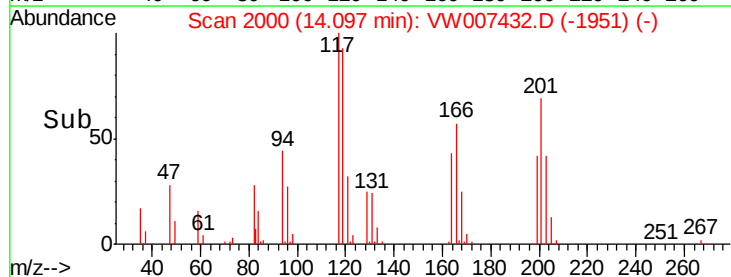
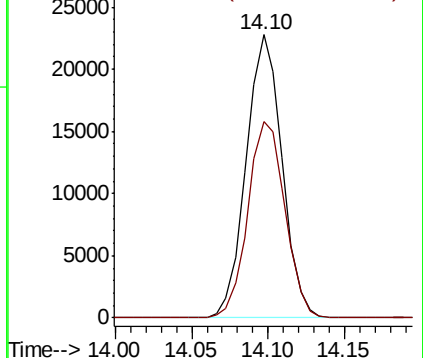
117 100

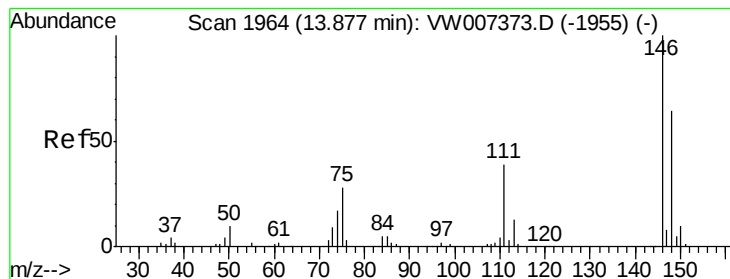
201 71.6 35.3 105.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 49.214 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.01 min

Lab File: VW007432.D

Acq: 12 Dec 2018 09:06

Instrument :

MSVOA_W

ClientSampleId :

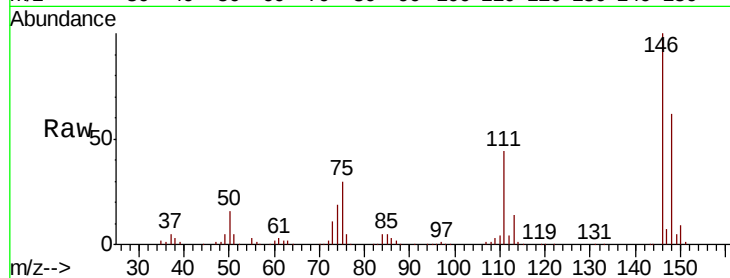
Tot Ion:146 Resp: 92503

Ion Ratio Lower Upper

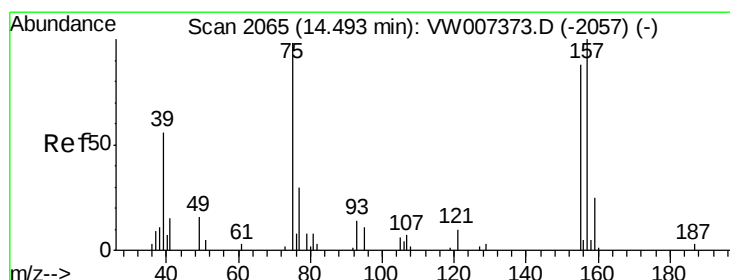
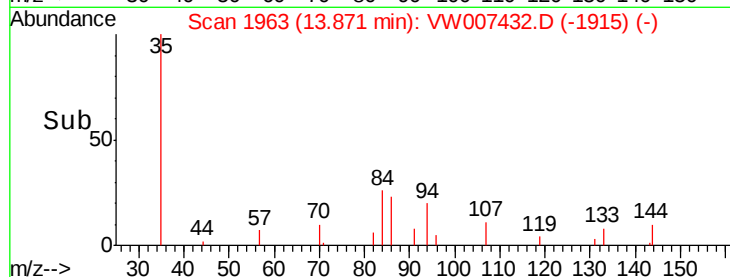
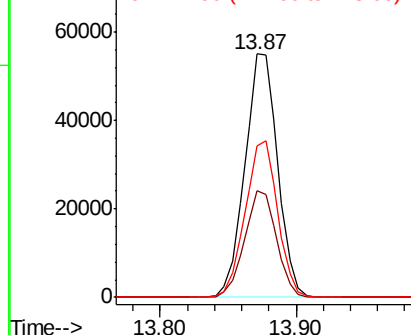
146 100

111 42.9 22.4 67.2

148 64.0 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: 47.776 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.01 min

Lab File: VW007432.D

Acq: 12 Dec 2018 09:06

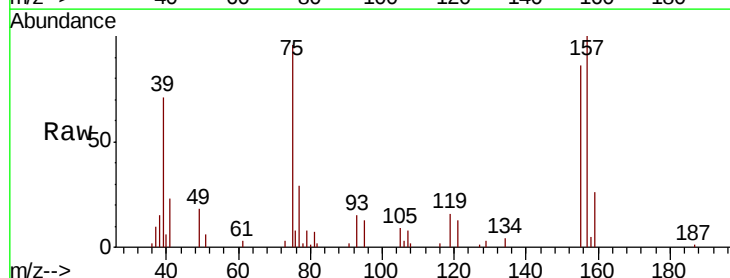
Tgt Ion: 75 Resp: 6743

Ion Ratio Lower Upper

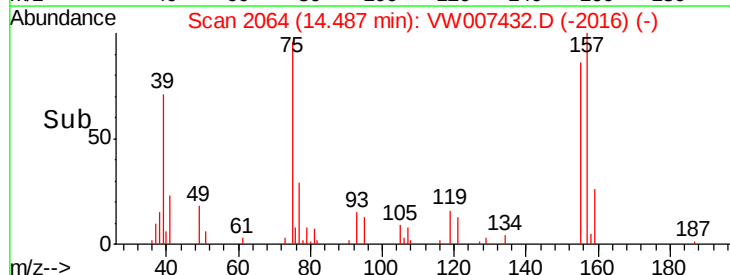
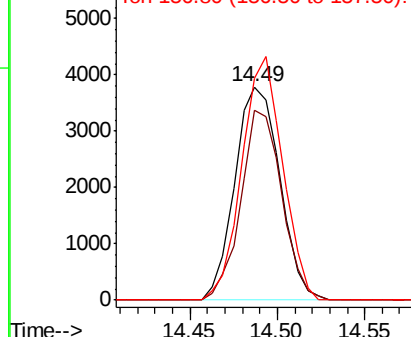
75 100

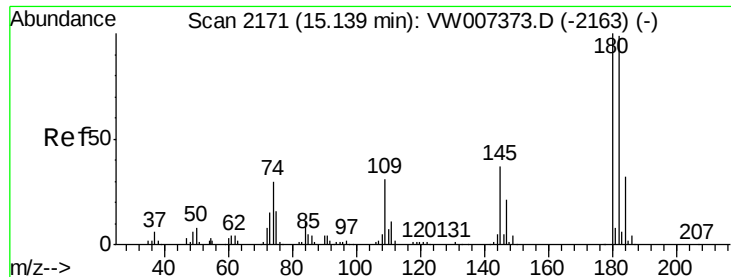
155 81.3 40.8 122.2

157 103.8 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

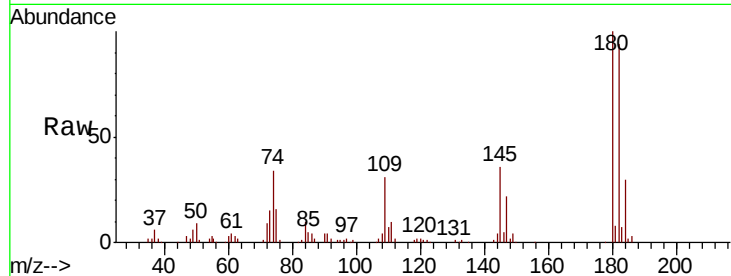




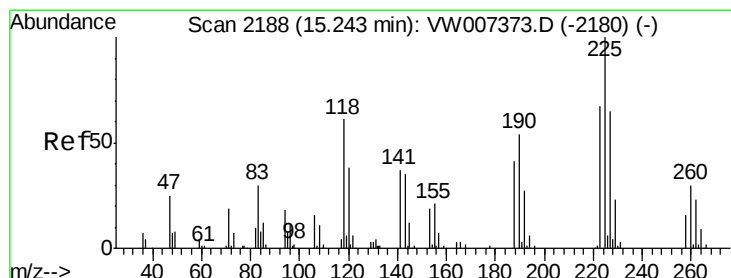
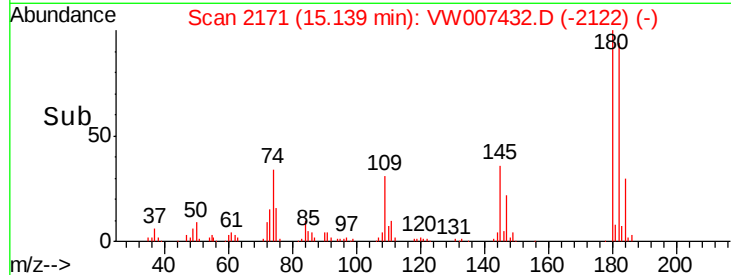
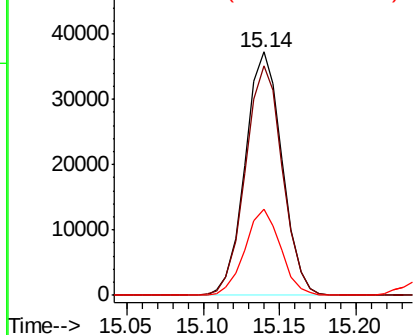
#93
 1,2,4-Trichlorobenzene
 Concen: 48.252 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW007432.D
 Acq: 12 Dec 2018 09:06

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	49.9	149.6
145	34.1	17.8	53.4

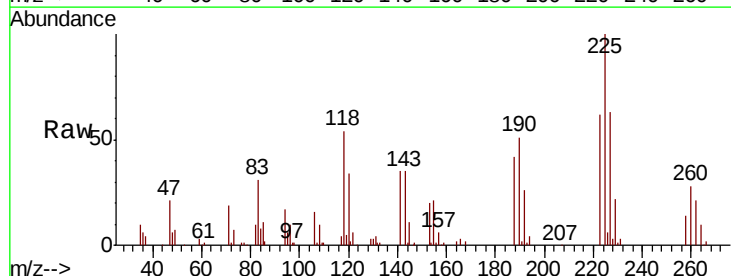


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

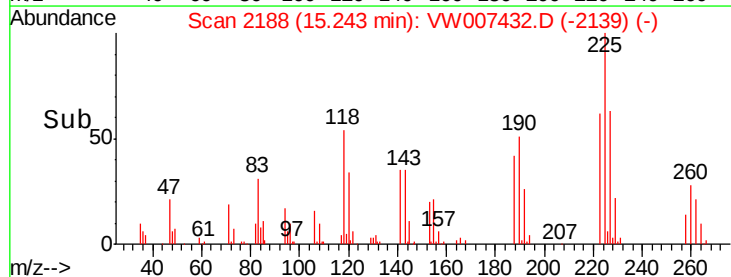
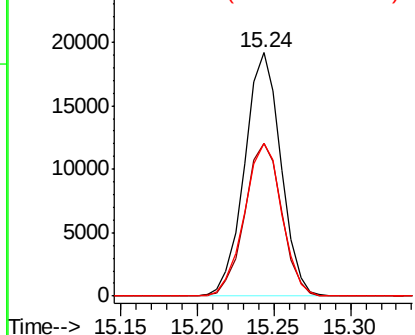


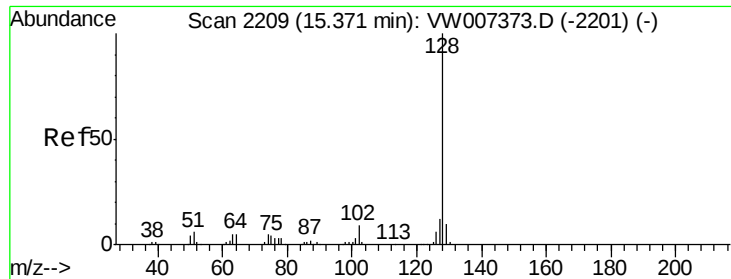
#94
 Hexachlorobutadiene
 Concen: 46.159 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW007432.D
 Acq: 12 Dec 2018 09:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	32.1	96.3
227	64.2	31.9	95.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 48.692 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW007432.D

Acq: 12 Dec 2018 09:06

Instrument :

MSVOA_W

ClientSampleId :

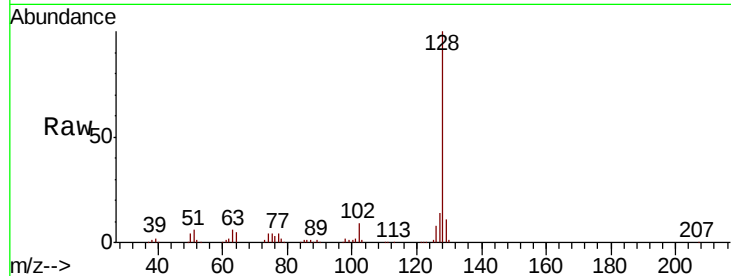
Tot Ion:128 Resp: 120490

Ion Ratio Lower Upper

128 100

127 13.4 10.2 15.4

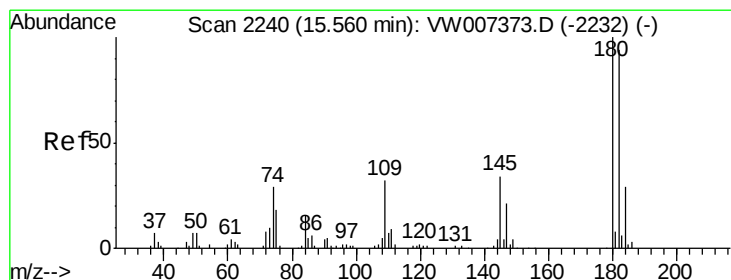
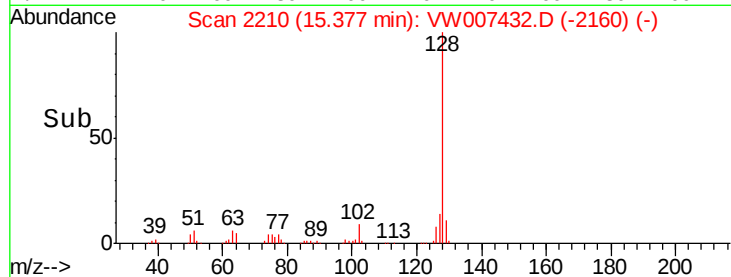
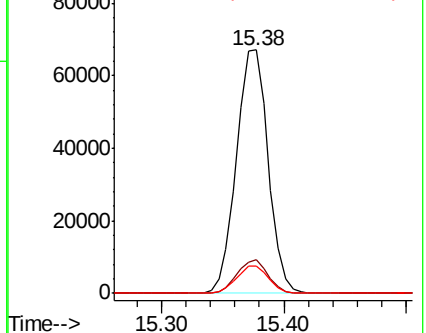
129 11.3 8.3 12.5



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: 48.664 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW007432.D

Acq: 12 Dec 2018 09:06

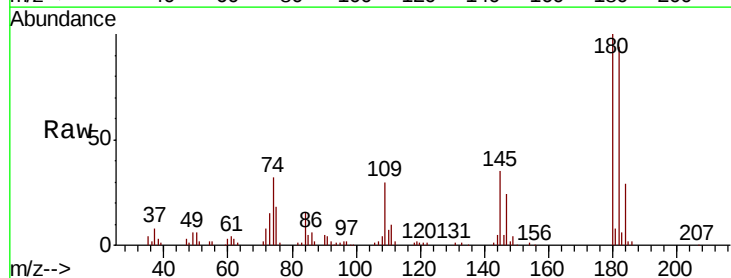
Tgt Ion:180 Resp: 54682

Ion Ratio Lower Upper

180 100

182 94.0 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

