

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121718\
 Data File : VW007524.D
 Acq On : 14 Dec 2018 10:23
 Operator : SY/AP
 Sample : VW1213SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBS01

Quant Time: Dec 14 10:55:07 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	74595	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	128959	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	114283	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	56164	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	41344	49.96	ug/l	0.00
Spiked Amount						
			Recovery	=	99.92%	
35) Dibromofluoromethane	7.88	113	38469	49.28	ug/l	0.00
Spiked Amount						
			Recovery	=	98.56%	
50) Toluene-d8	10.32	98	149151	50.96	ug/l	0.00
Spiked Amount						
			Recovery	=	101.92%	
62) 4-Bromofluorobenzene	12.62	95	56232	52.25	ug/l	0.00
Spiked Amount						
			Recovery	=	104.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	11633	22.316	ug/l	98
3) Chloromethane	2.21	50	9825	22.505	ug/l	99
4) Vinyl Chloride	2.37	62	11822	23.075	ug/l	99
5) Bromomethane	2.78	94	7629	22.163	ug/l	90
6) Chloroethane	2.93	64	6662	23.623	ug/l	99
7) Trichlorofluoromethane	3.25	101	9441	20.497	ug/l	97
8) Diethyl Ether	3.68	74	8106	22.485	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	16803	22.109	ug/l	98
10) Methyl Iodide	4.26	142	28934	22.986	ug/l	99
11) Tert butyl alcohol	5.18	59	5966	104.968	ug/l #	92
12) 1,1-Dichloroethene	4.03	96	16801	22.960	ug/l	94
13) Acrolein	3.89	56	3311	88.039	ug/l	100
14) Allyl chloride	4.66	41	23638	21.915	ug/l	99
15) Acrylonitrile	5.37	53	16491	108.512	ug/l	99
16) Acetone	4.12	43	14002	96.865	ug/l	98
17) Carbon Disulfide	4.37	76	50181	22.617	ug/l	98
18) Methyl Acetate	4.67	43	9361	23.860	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	25397	23.007	ug/l	100
20) Methylene Chloride	4.91	84	19828	22.965	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	18507	22.609	ug/l	93
22) Diisopropyl ether	6.31	45	46455	22.407	ug/l	97
23) Vinyl Acetate	6.25	43	119712	103.231	ug/l	99
24) 1,1-Dichloroethane	6.21	63	31422	22.424	ug/l	97
25) 2-Butanone	7.17	43	18623	98.684	ug/l	91
26) 2,2-Dichloropropane	7.16	77	18456	19.901	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	20120	22.448	ug/l	98
28) Bromochloromethane	7.51	49	11057	20.978	ug/l	96
29) Tetrahydrofuran	7.52	42	12971	108.573	ug/l	99
30) Chloroform	7.67	83	33468	21.948	ug/l	99
31) Cyclohexane	7.95	56	27512	21.400	ug/l	91
32) 1,1,1-Trichloroethane	7.87	97	30212	22.593	ug/l	99
36) 1,1-Dichloropropene	8.08	75	25532	21.703	ug/l	99
37) Ethyl Acetate	7.25	43	9225	21.083	ug/l	96
38) Carbon Tetrachloride	8.07	117	28376	22.168	ug/l	96

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Quant Time: Dec 14 10:55:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	30630	21.502	ug/l	96
40) Benzene	8.32	78	72254	22.132	ug/l	99
41) Methacrylonitrile	7.49	41	4680	18.783	ug/l #	84
42) 1,2-Dichloroethane	8.40	62	22751	22.184	ug/l	98
43) Isopropyl Acetate	8.43	43	17718	20.500	ug/l	97
44) Trichloroethene	9.09	130	21110	22.644	ug/l	96
45) 1,2-Dichloropropane	9.37	63	17012	22.518	ug/l	98
46) Dibromomethane	9.46	93	9719	22.653	ug/l	94
47) Bromodichloromethane	9.65	83	25021	22.233	ug/l	95
48) Methyl methacrylate	9.44	41	9192	20.708	ug/l	97
49) 1,4-Dioxane	9.45	88	3207	460.682	ug/l #	89
51) 4-Methyl-2-Pentanone	10.21	43	42376	103.767	ug/l	99
52) Toluene	10.38	92	48354	22.887	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	23169	21.206	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	26649	21.100	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	13157	22.532	ug/l	97
56) Ethyl methacrylate	10.65	69	15156	21.594	ug/l	97
57) 1,3-Dichloropropane	10.93	76	22994	23.992	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.92	63	33735	104.231	ug/l	100
59) 2-Hexanone	10.97	43	28514	104.713	ug/l	99
60) Dibromochloromethane	11.13	129	16659	22.607	ug/l	98
61) 1,2-Dibromoethane	11.24	107	12942	22.428	ug/l	97
64) Tetrachloroethene	10.86	164	20067	24.417	ug/l	93
65) Chlorobenzene	11.66	112	53654	22.525	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	18895	22.522	ug/l	98
67) Ethyl Benzene	11.73	91	91950	22.452	ug/l #	86
68) m/p-Xylenes	11.84	106	73637	46.252	ug/l	97
69) o-Xylene	12.16	106	34857	23.443	ug/l	98
70) Styrene	12.18	104	57400	23.900	ug/l	96
71) Bromoform	12.35	173	9476	22.068	ug/l #	97
73) Isopropylbenzene	12.47	105	96944	22.527	ug/l	100
74) N-amyl acetate	12.27	43	16269	20.801	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	14245	22.349	ug/l	95
76) 1,2,3-Trichloropropane	12.77	75	19373	41.834	ug/l	35
77) Bromobenzene	12.75	156	21168	22.191	ug/l	95
78) n-propylbenzene	12.80	91	111611	23.045	ug/l	100
79) 2-Chlorotoluene	12.90	91	66071	22.546	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	81807	22.624	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	3997	19.066	ug/l	95
82) 4-Chlorotoluene	12.99	91	69421	22.473	ug/l	96
83) tert-Butylbenzene	13.21	119	71608	22.474	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	85000	22.843	ug/l	98
85) sec-Butylbenzene	13.39	105	100295	23.059	ug/l	95
86) p-Isopropyltoluene	13.51	119	87776	22.463	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	43800	23.029	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	42645	22.303	ug/l	97
89) n-Butylbenzene	13.83	91	79206	21.865	ug/l	98
90) Hexachloroethane	14.10	117	15174	21.825	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	38130	22.384	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2792	21.827	ug/l	96

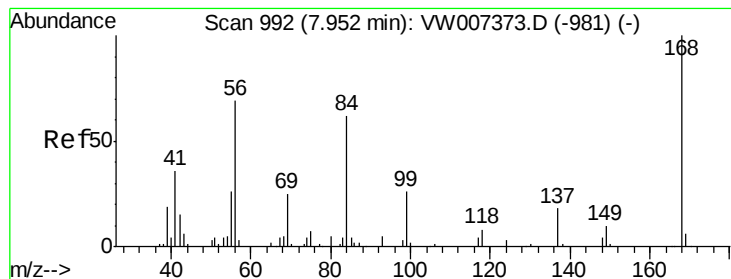
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW121718\
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Quant Title : SW846 8260
QLast Update : Tue Dec 11 02:58:16 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	25448	21.707	ug/l	95
94) Hexachlorobutadiene	15.24	225	12734	20.472	ug/l	98
95) Naphthalene	15.38	128	48647	21.692	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	21839	21.445	ug/l	95

(#) = 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: VW007524.D

Acq: 14 Dec 2018 10:23

Instrument :

MSVOA_W

ClientSampleId :

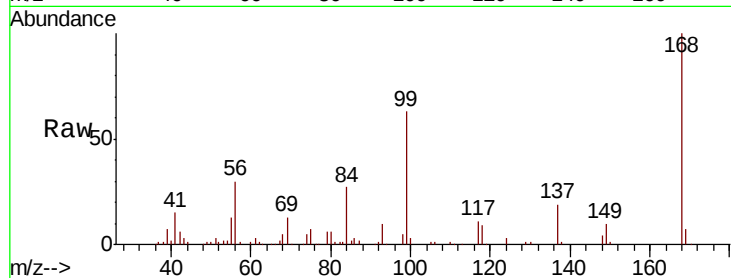
VW1217SBS01

Tot Ion:168 Resp: 74595

Ion Ratio Lower Upper

168 100

99 63.2 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

30000

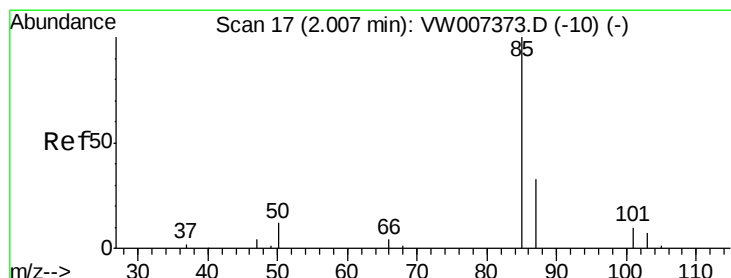
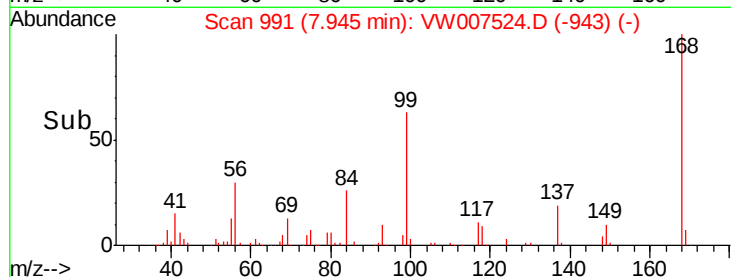
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 22.316 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW007524.D

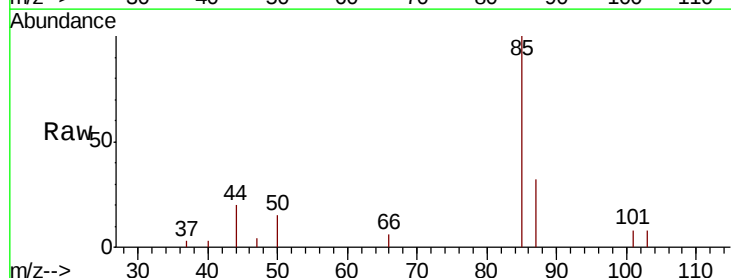
Acq: 14 Dec 2018 10:23

Tgt Ion: 85 Resp: 11633

Ion Ratio Lower Upper

85 100

87 31.9 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

4000

3000

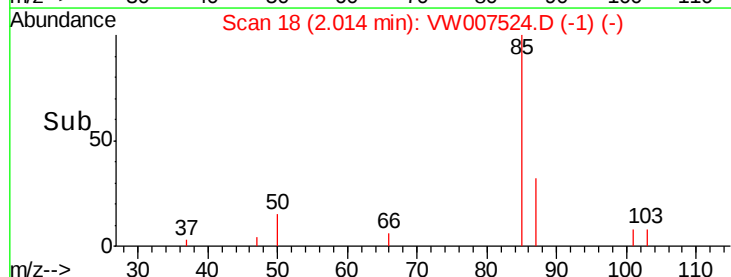
2000

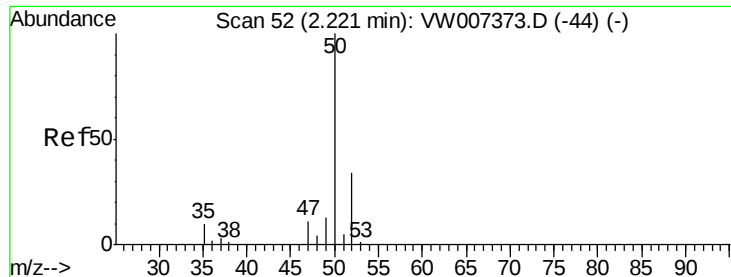
1000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 22.505 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007524.D

Acq: 14 Dec 2018 10:23

Instrument :

MSVOA_W

ClientSampleId :

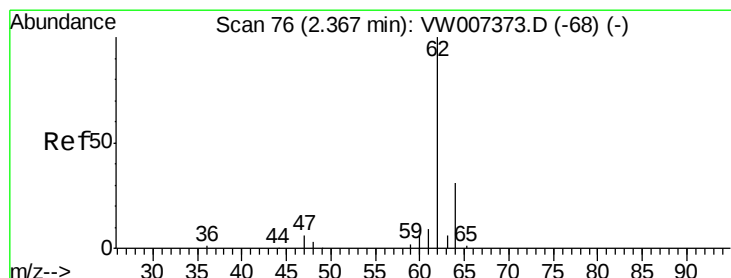
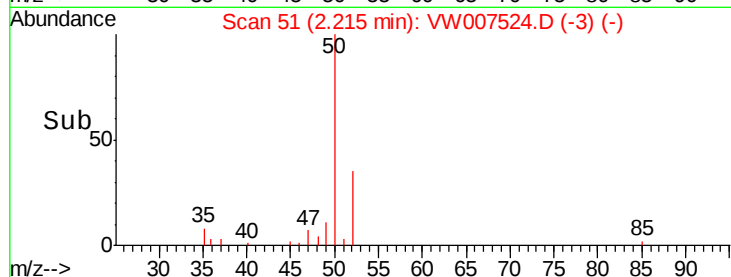
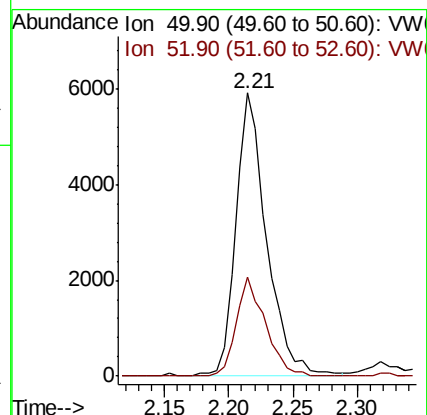
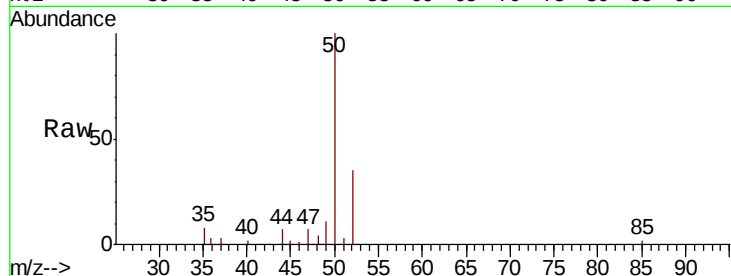
VW1217SBS01

Tot Ion: 50 Resp: 9825

Ion Ratio Lower Upper

50 100

52 34.9 27.4 41.0



#4

Vinyl Chloride

Concen: 23.075 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007524.D

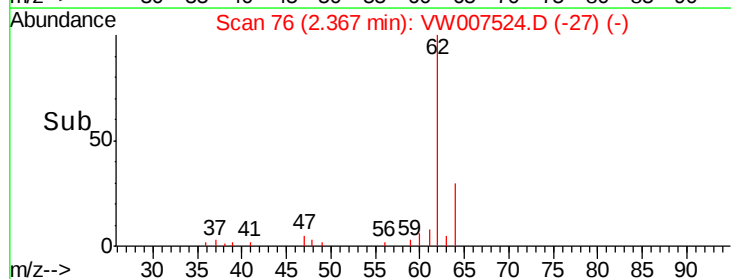
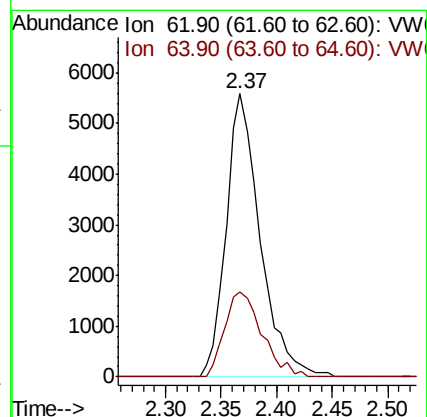
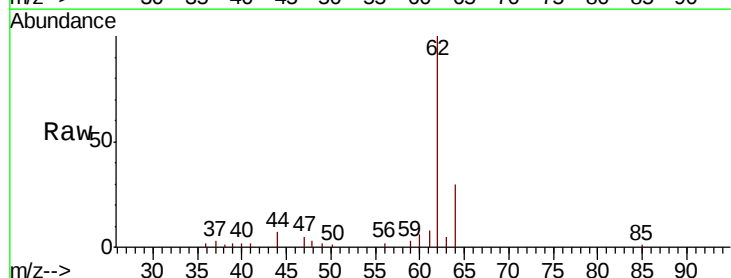
Acq: 14 Dec 2018 10:23

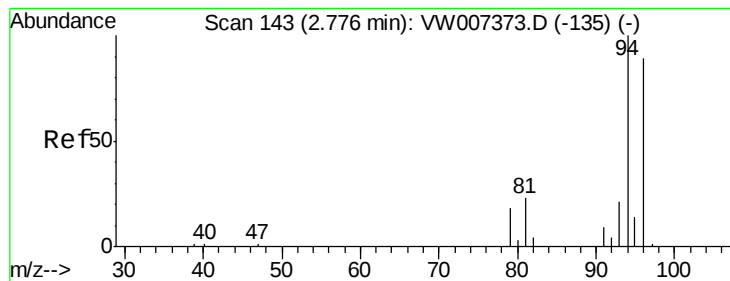
Tgt Ion: 62 Resp: 11822

Ion Ratio Lower Upper

62 100

64 30.2 24.6 37.0





#5

Bromomethane

Concen: 22.163 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW007524.D

Acq: 14 Dec 2018 10:23

Instrument :

MSVOA_W

ClientSampleId :

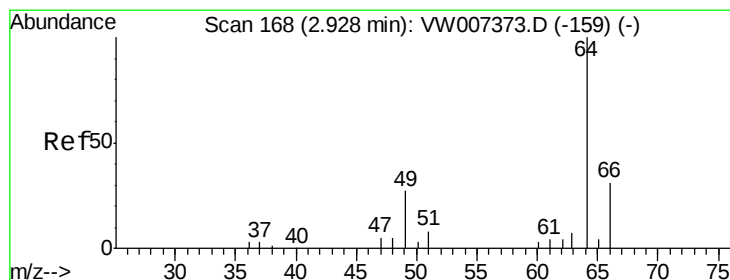
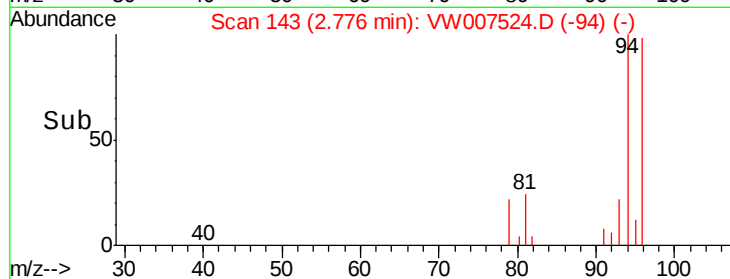
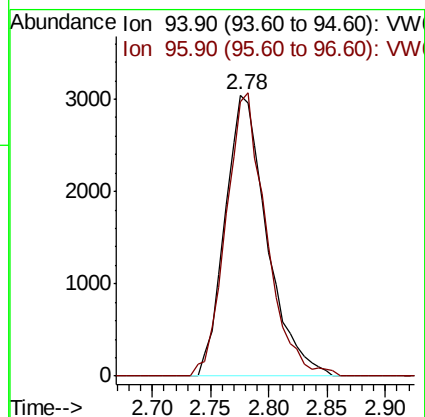
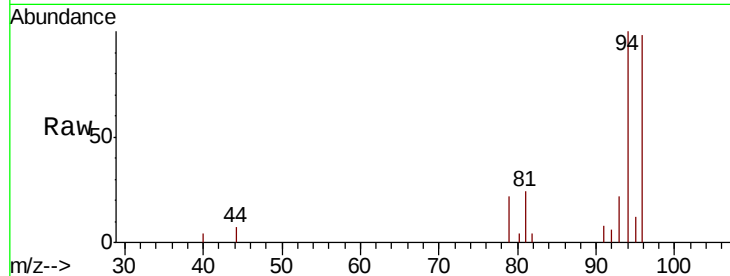
VW1217SBS01

Tot Ion: 94 Resp: 7629

Ion Ratio Lower Upper

94 100

96 97.8 71.0 106.4



#6

Chloroethane

Concen: 23.623 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW007524.D

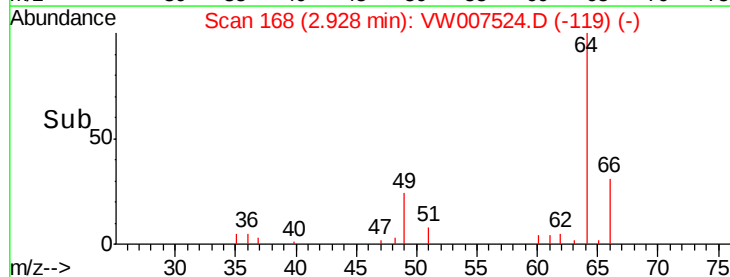
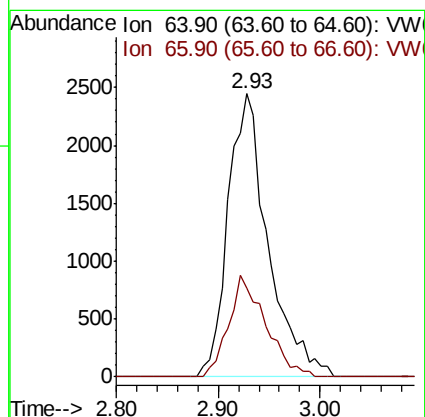
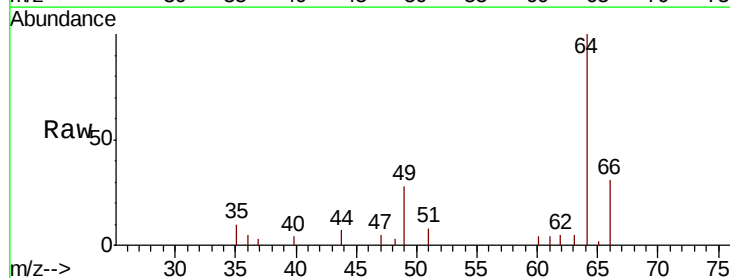
Acq: 14 Dec 2018 10:23

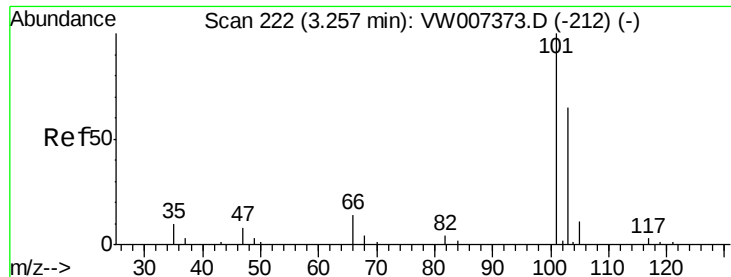
Tgt Ion: 64 Resp: 6662

Ion Ratio Lower Upper

64 100

66 31.3 24.6 37.0



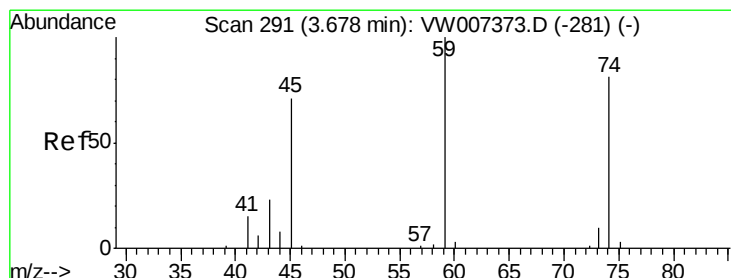
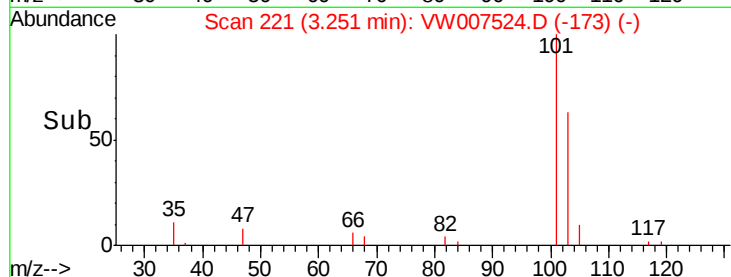
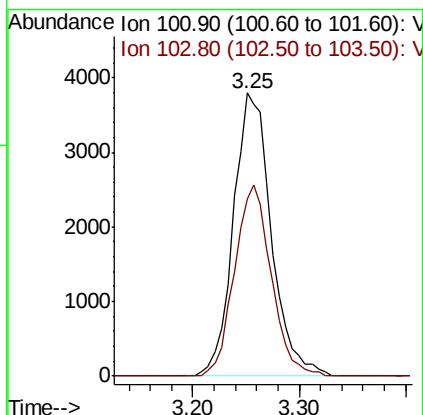
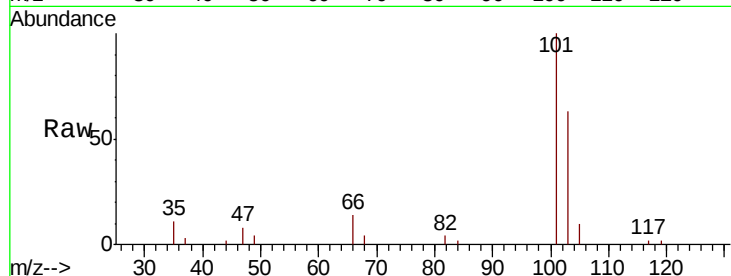


#7

Trichlorofluoromethane
 Concen: 20.497 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW007524.D
 Acq: 14 Dec 2018 10:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBS01

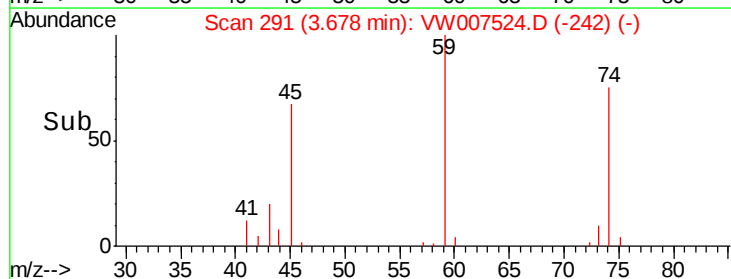
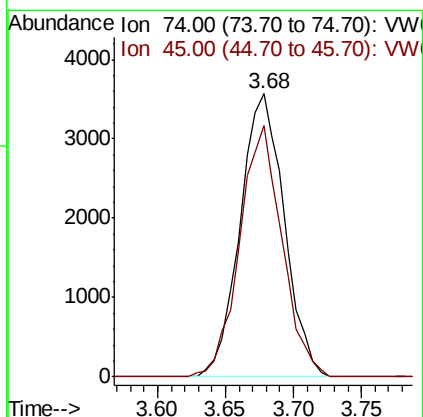
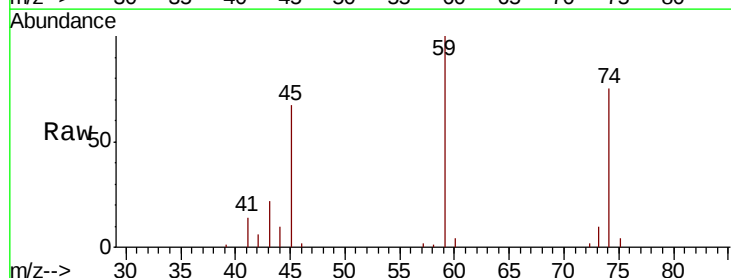
Tot Ion:101 Resp: 9441
 Ion Ratio Lower Upper
 101 100
 103 62.5 51.7 77.5

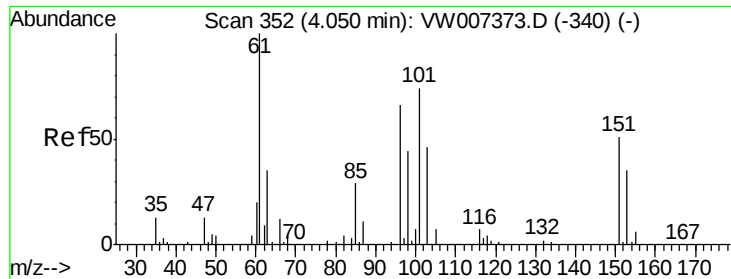


#8

Diethyl Ether
 Concen: 22.485 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW007524.D
 Acq: 14 Dec 2018 10:23

Tgt Ion: 74 Resp: 8106
 Ion Ratio Lower Upper
 74 100
 45 85.1 43.0 129.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.109 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007524.D

Acq: 14 Dec 2018 10:23

Instrument :

MSVOA_W

ClientSampleId :

VW1217SBS01

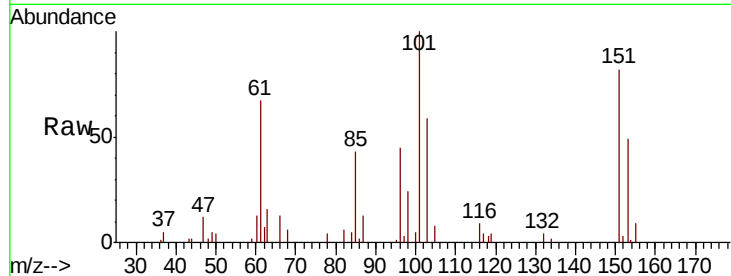
Tot Ion:101 Resp: 16803

Ion Ratio Lower Upper

101 100

85 42.5 33.9 50.9

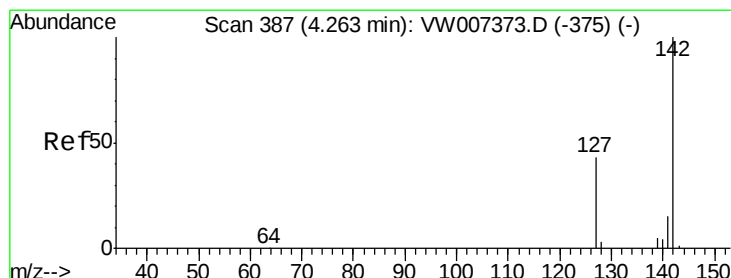
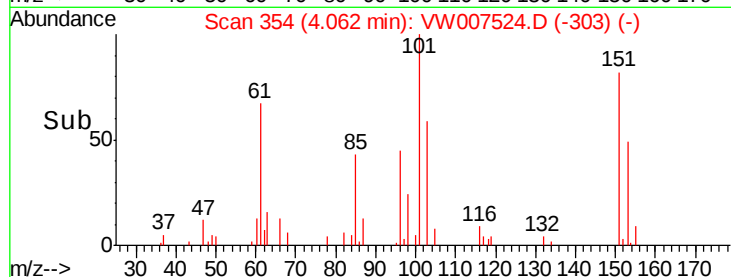
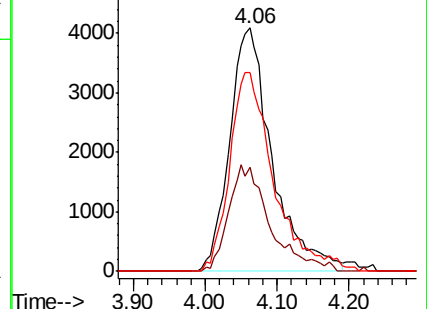
151 82.1 63.7 95.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 22.986 ug/l

RT: 4.26 min Scan# 386

Delta R.T. -0.01 min

Lab File: VW007524.D

Acq: 14 Dec 2018 10:23

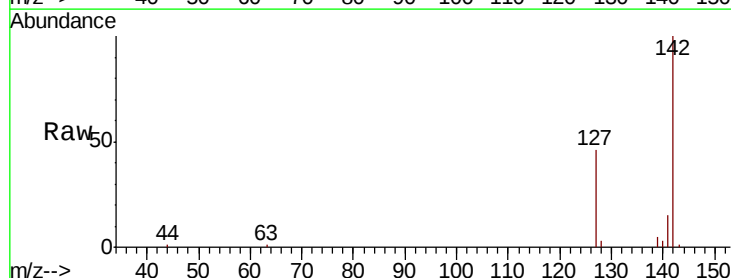
Tgt Ion:142 Resp: 28934

Ion Ratio Lower Upper

142 100

127 45.3 35.8 53.6

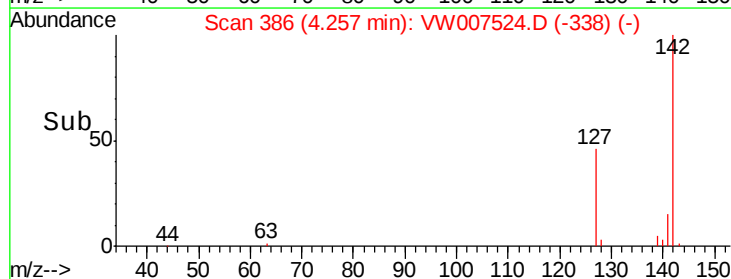
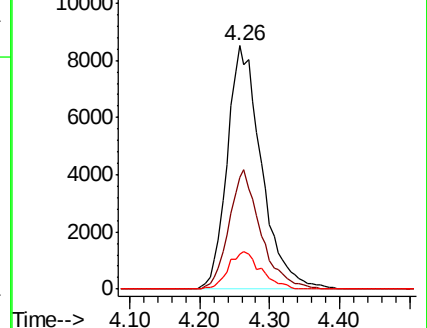
141 14.7 11.1 16.7

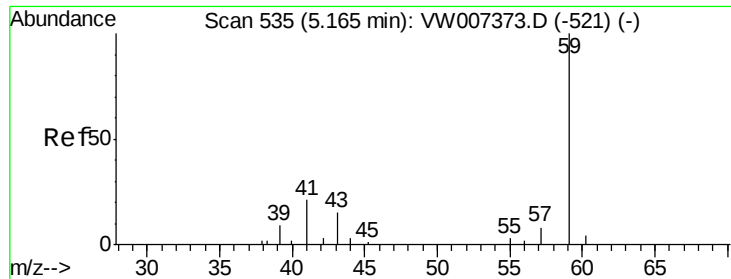


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

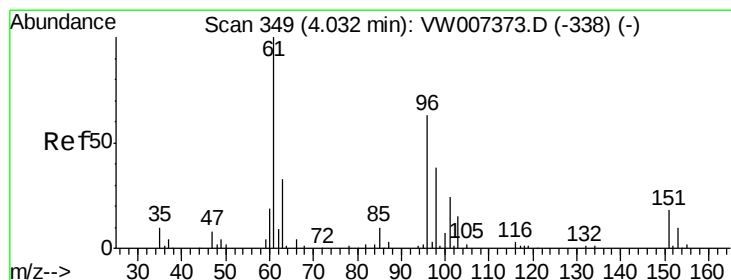
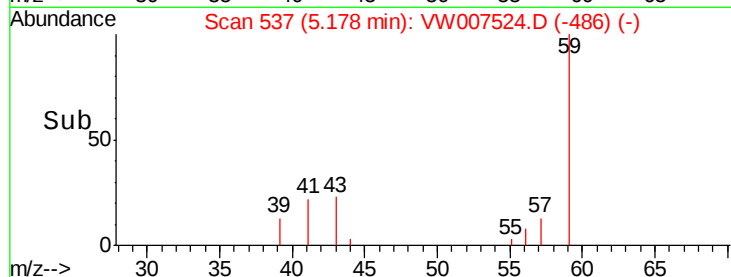
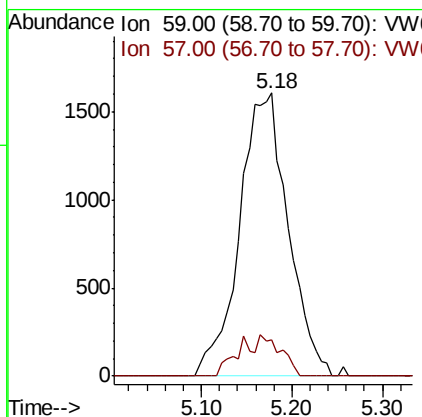
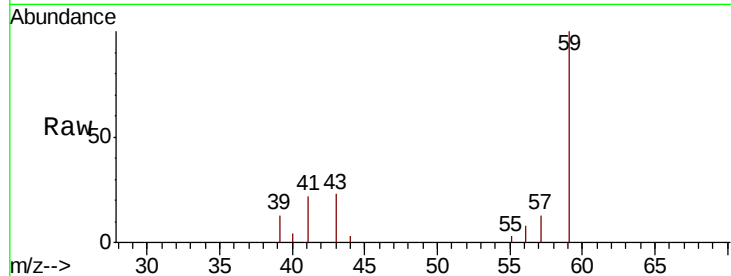




#11
Tert butyl alcohol
Concen: 104.968 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW007524.D
Acq: 14 Dec 2018 10:23

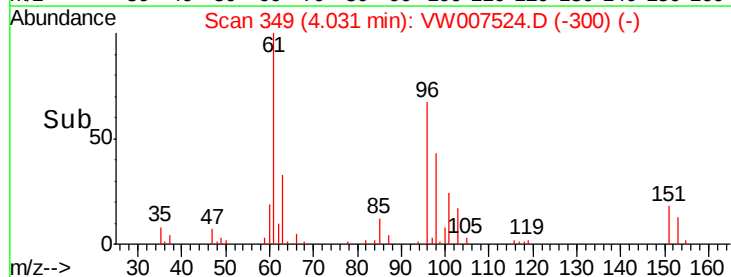
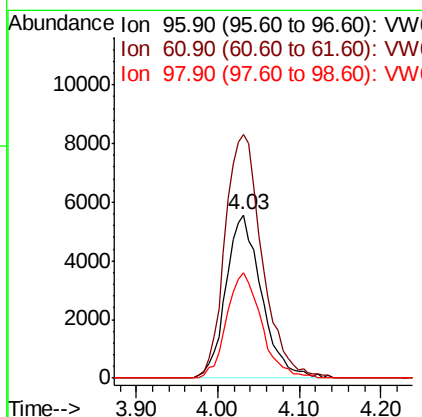
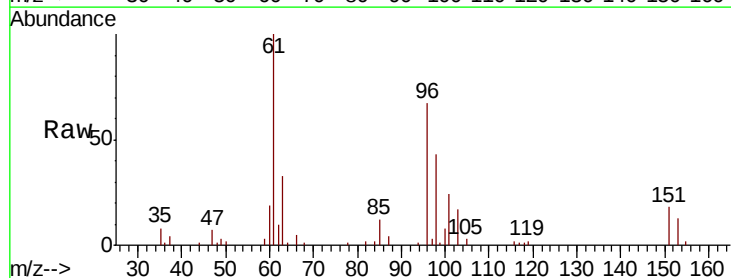
Instrument :
MSVOA_W
ClientSampleId :
VW1217SBS01

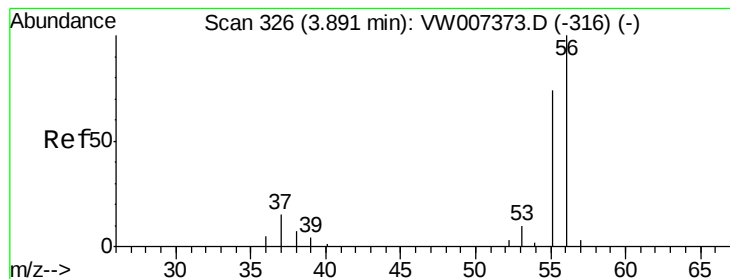
Tot Ion: 59 Resp: 5966
Ion Ratio Lower Upper
59 100
57 6.8 7.6 11.4#



#12
1,1-Dichloroethene
Concen: 22.960 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW007524.D
Acq: 14 Dec 2018 10:23

Tgt Ion: 96 Resp: 16801
Ion Ratio Lower Upper
96 100
61 149.3 126.2 189.2
98 64.4 48.3 72.5





#13

Acrolein

Concen: 88.039 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW007524.D

Acq: 14 Dec 2018 10:23

Instrument :

MSVOA_W

ClientSampleId :

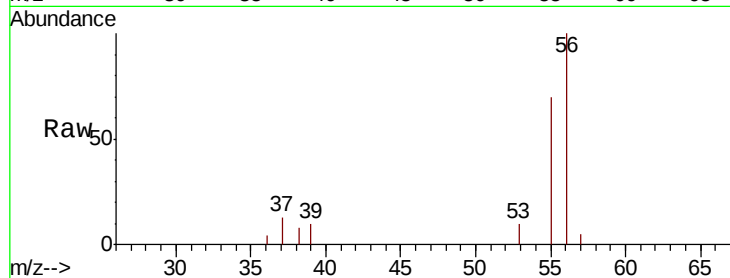
VW1217SBS01

Tot Ion: 56 Resp: 3311

Ion Ratio Lower Upper

56 100

55 71.8 57.4 86.2



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.89

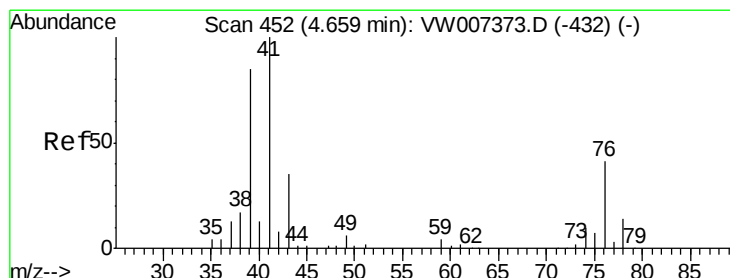
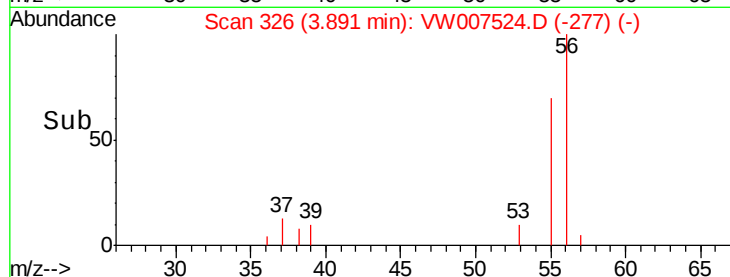
1500

1000

500

0

Time-->



#14

Allyl chloride

Concen: 21.915 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW007524.D

Acq: 14 Dec 2018 10:23

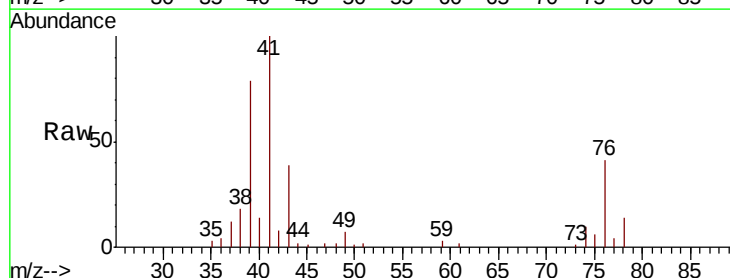
Tgt Ion: 41 Resp: 23638

Ion Ratio Lower Upper

41 100

39 78.6 63.4 95.2

76 40.5 32.1 48.1



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW

10000

8000

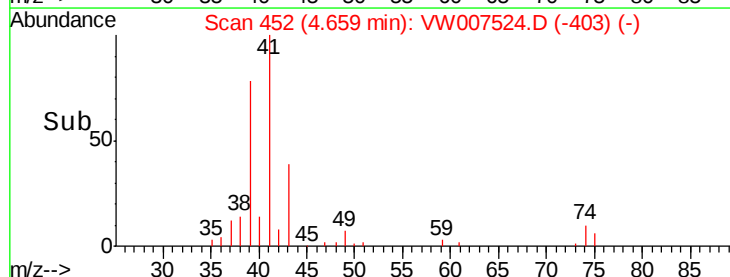
6000

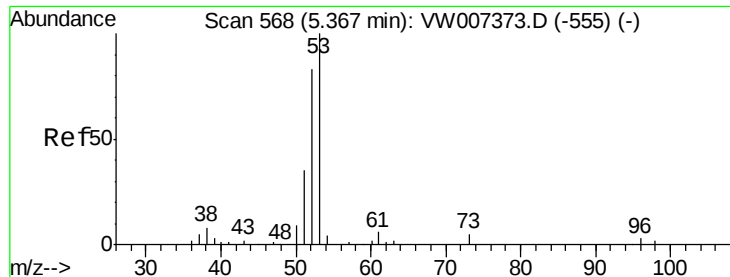
4000

2000

0

Time-->





#15

Acrylonitrile

Concen: 108.512 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW007524.D

Acq: 14 Dec 2018 10:23

Instrument :

MSVOA_W

ClientSampleId :

VW1217SBS01

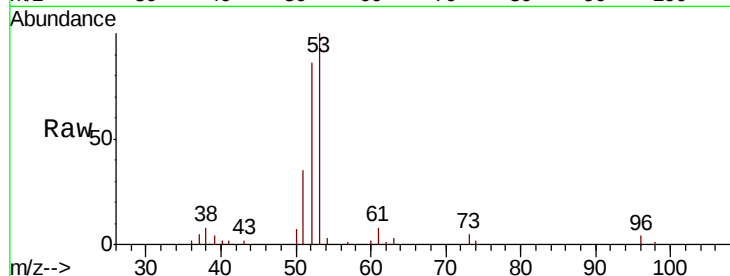
Tot Ion: 53 Resp: 16491

Ion Ratio Lower Upper

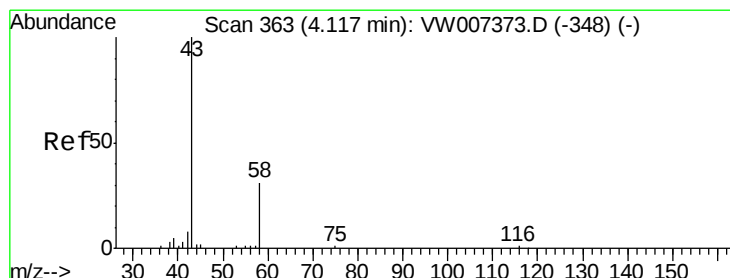
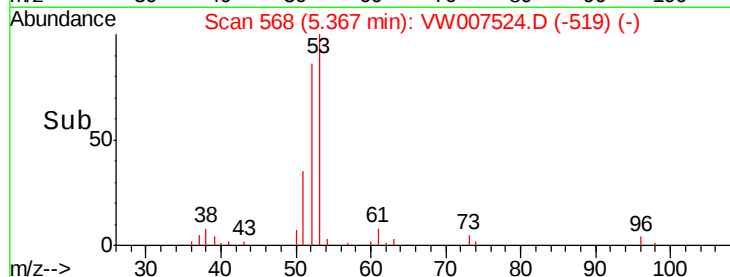
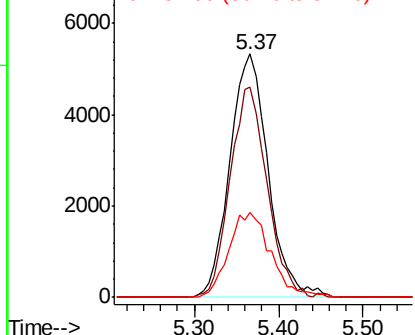
53 100

52 82.9 67.4 101.2

51 38.1 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: 96.865 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007524.D

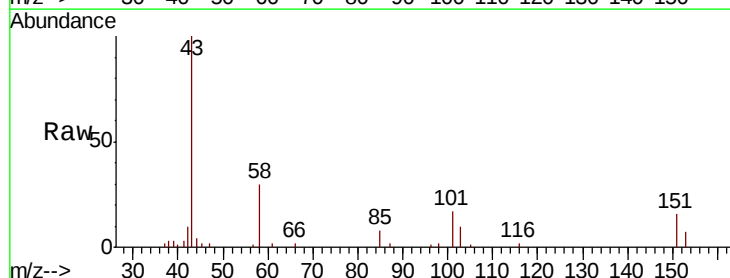
Acq: 14 Dec 2018 10:23

Tgt Ion: 43 Resp: 14002

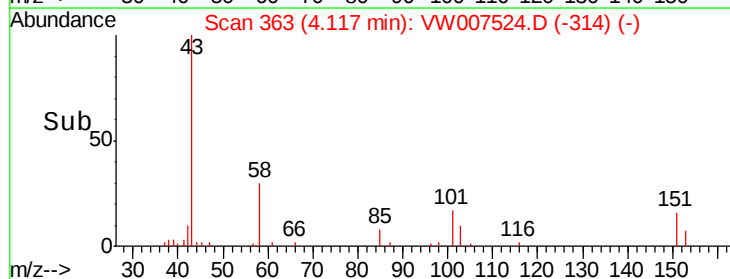
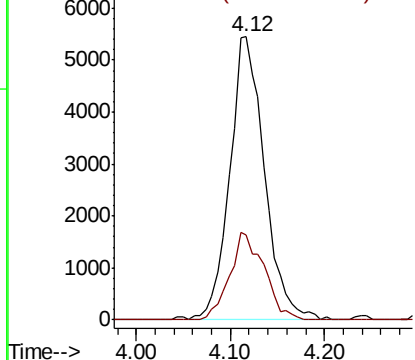
Ion Ratio Lower Upper

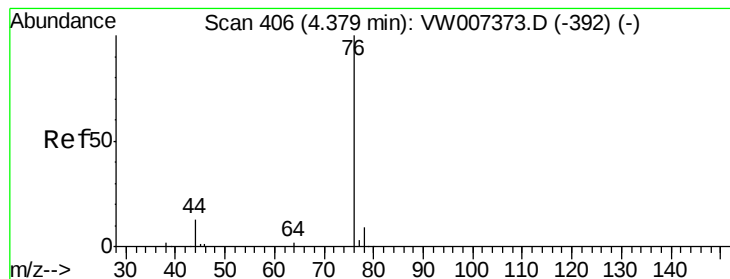
43 100

58 29.8 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: 22.617 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW007524.D

Acq: 14 Dec 2018 10:23

Instrument :

MSVOA_W

ClientSampleId :

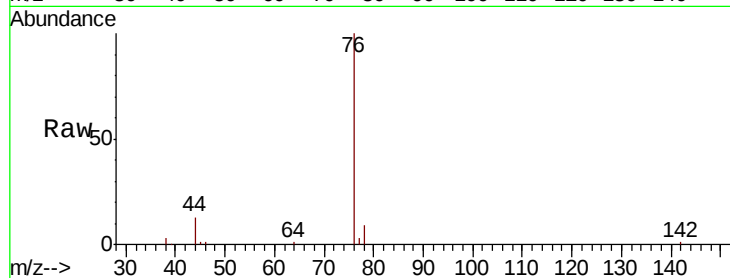
VW1217SBS01

Tot Ion: 76 Resp: 50181

Ion Ratio Lower Upper

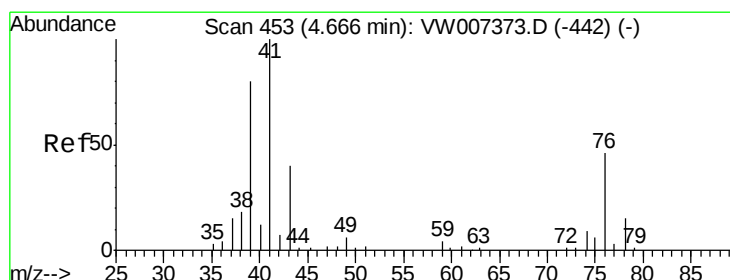
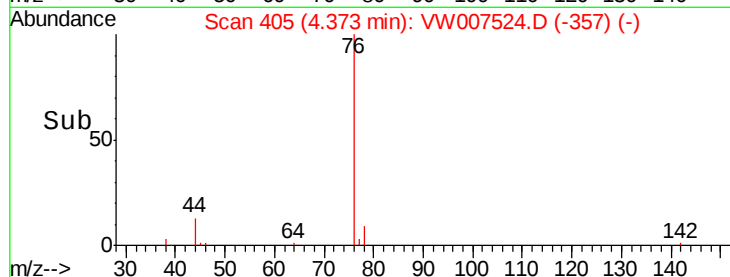
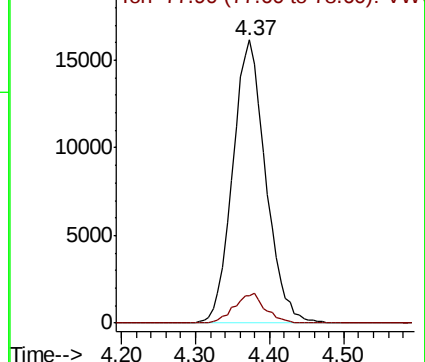
76 100

78 9.5 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 23.860 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW007524.D

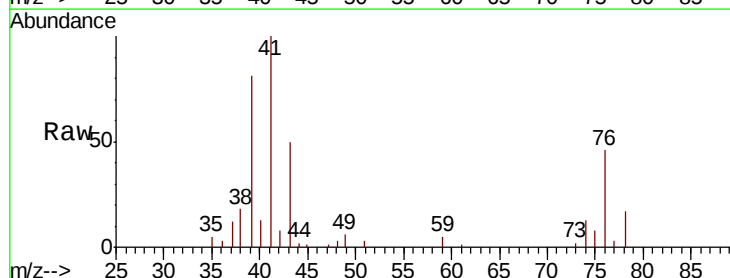
Acq: 14 Dec 2018 10:23

Tgt Ion: 43 Resp: 9361

Ion Ratio Lower Upper

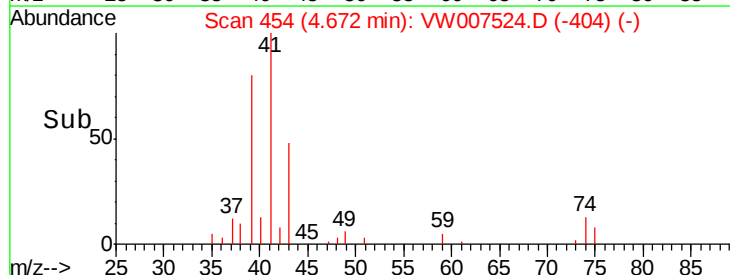
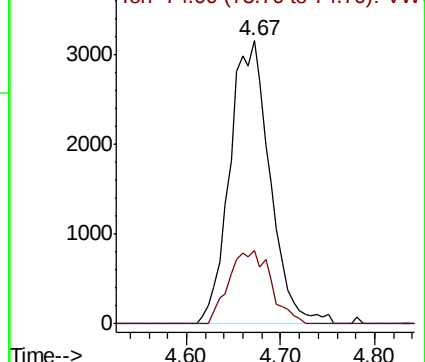
43 100

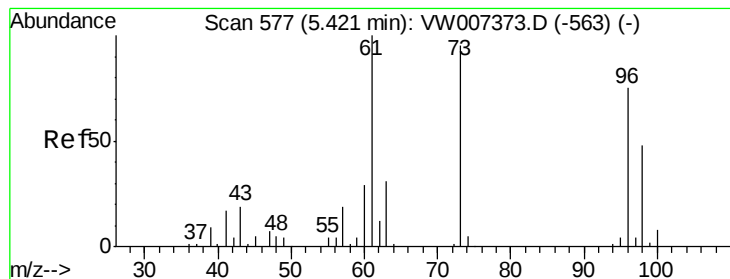
74 27.2 21.1 31.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



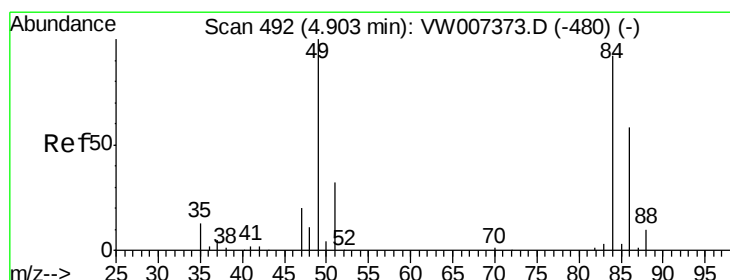
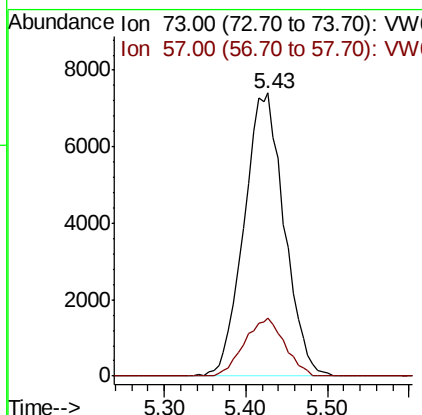
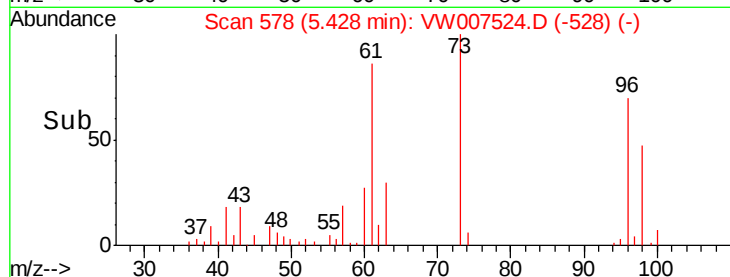
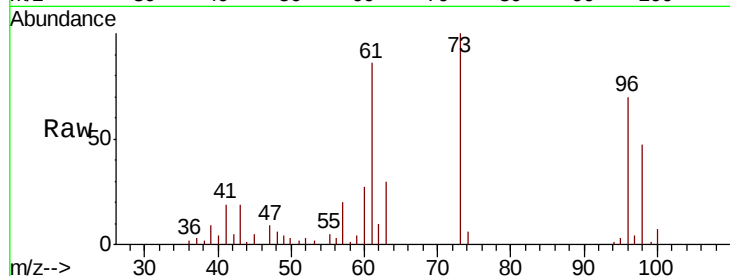


#19

Methyl tert-butyl Ether
 Concen: 23.007 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW007524.D
 Acq: 14 Dec 2018 10:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBS01

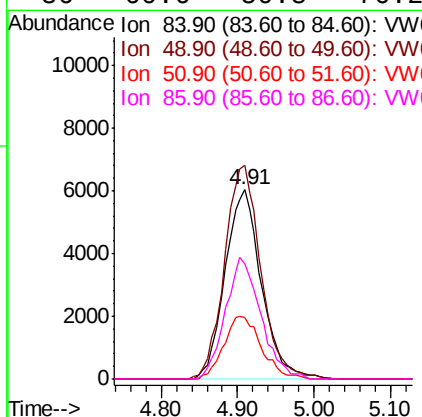
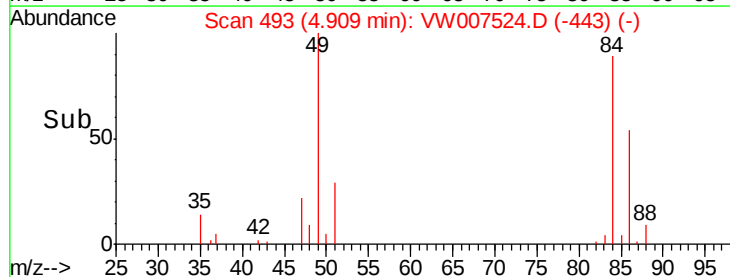
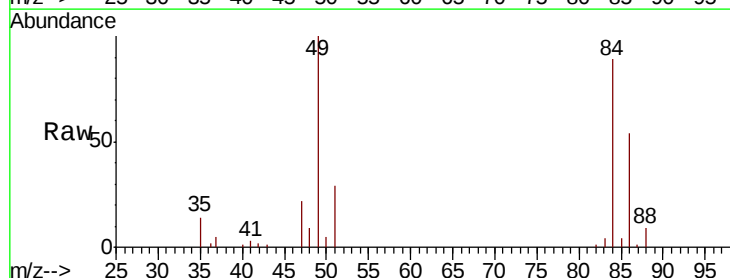
Tot Ion: 73 Resp: 25397
 Ion Ratio Lower Upper
 73 100
 57 20.4 16.4 24.6

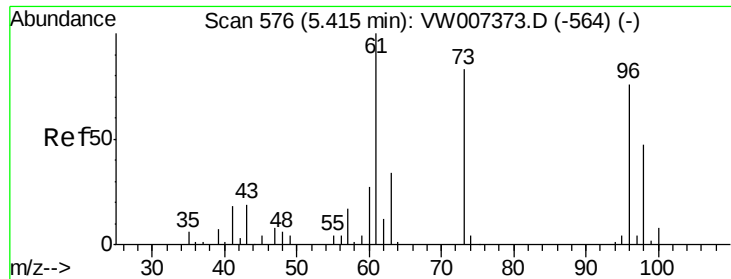


#20

Methylene Chloride
 Concen: 22.965 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.01 min
 Lab File: VW007524.D
 Acq: 14 Dec 2018 10:23

Tgt Ion: 84 Resp: 19828
 Ion Ratio Lower Upper
 84 100
 49 112.8 87.1 130.7
 51 32.2 28.2 42.2
 86 60.6 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 22.609 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW007524.D

Acq: 14 Dec 2018 10:23

Instrument :

MSVOA_W

ClientSampleId :

VW1217SBS01

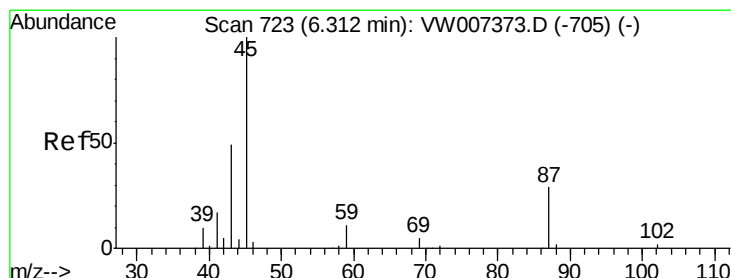
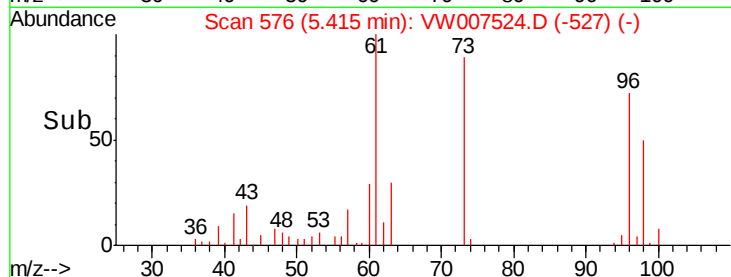
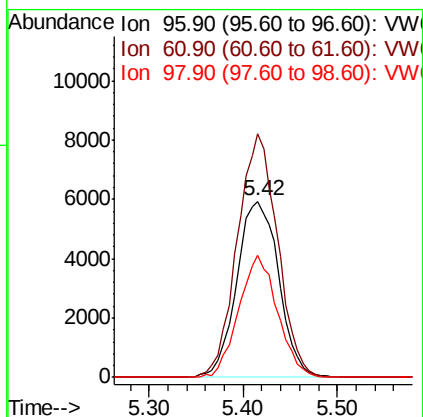
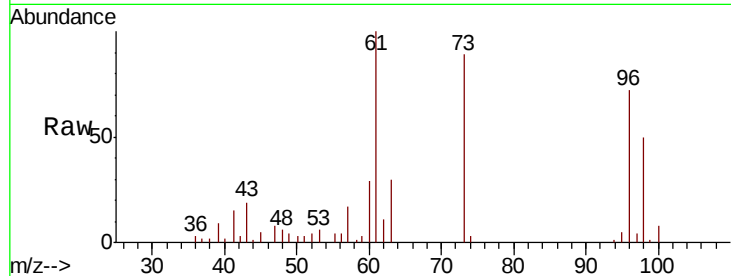
Tot Ion: 96 Resp: 18507

Ion Ratio Lower Upper

96 100

61 138.2 105.0 157.6

98 69.2 49.7 74.5



#22

Diisopropyl ether

Concen: 22.407 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007524.D

Acq: 14 Dec 2018 10:23

Tgt Ion: 45 Resp: 46455

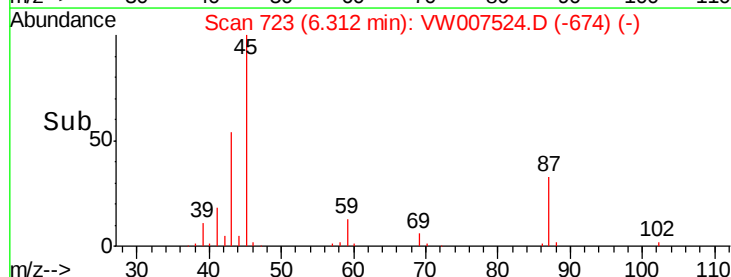
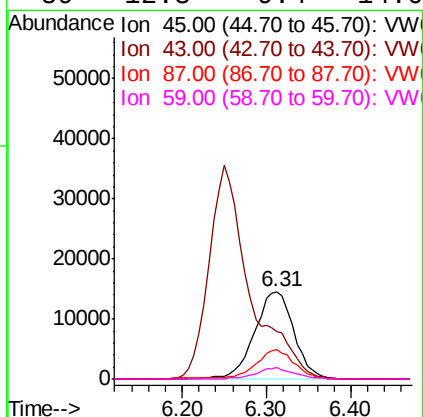
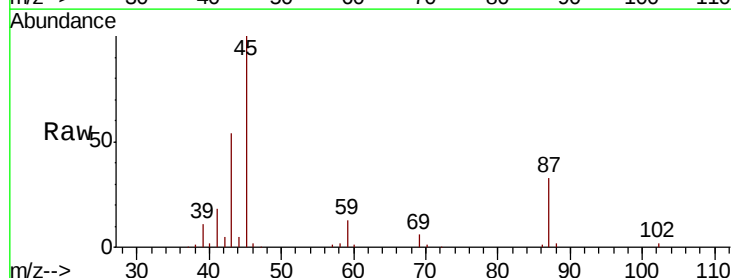
Ion Ratio Lower Upper

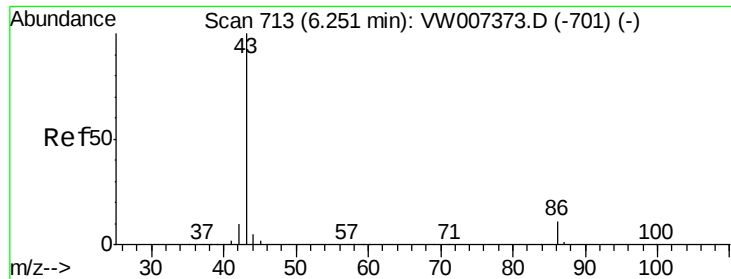
45 100

43 53.7 41.6 62.4

87 33.0 24.3 36.5

59 12.3 9.4 14.0





#23

Vinyl Acetate

Concen: 103.231 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW007524.D

Acq: 14 Dec 2018 10:23

Instrument :

MSVOA_W

ClientSampleId :

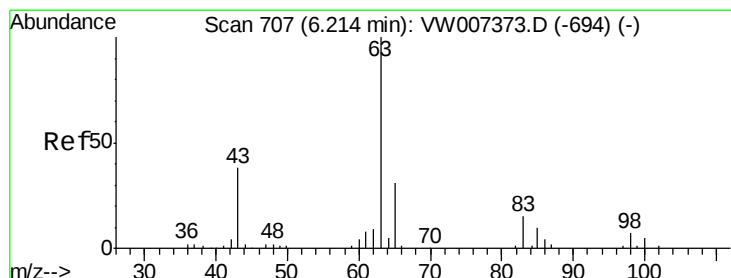
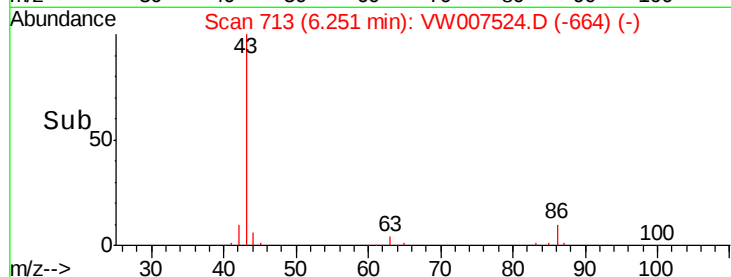
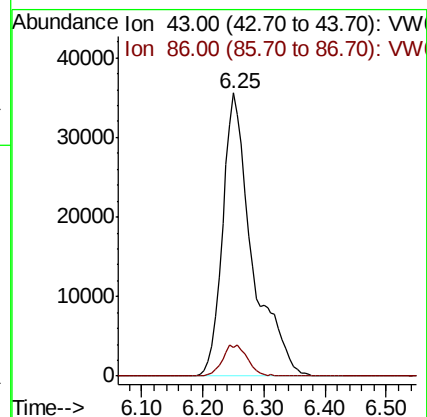
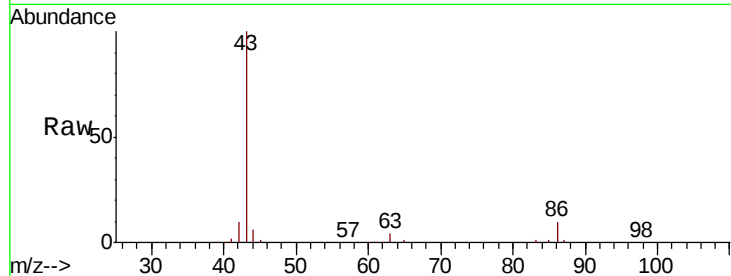
VW1217SBS01

Tot Ion: 43 Resp: 119712

Ion Ratio Lower Upper

43 100

86 10.4 8.6 12.8



#24

1,1-Dichloroethane

Concen: 22.424 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW007524.D

Acq: 14 Dec 2018 10:23

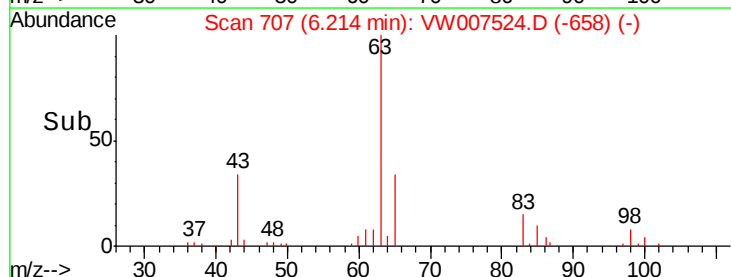
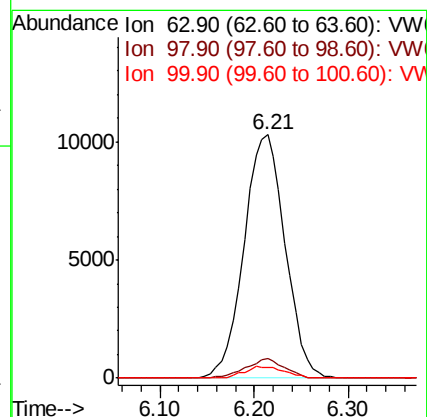
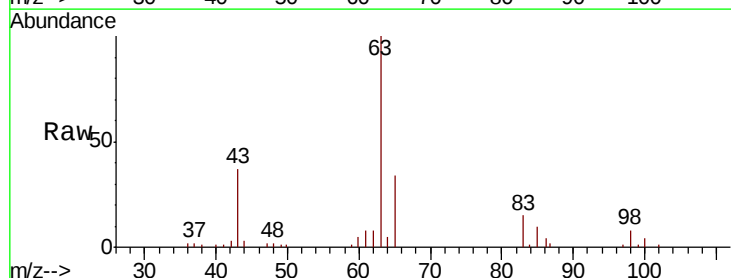
Tgt Ion: 63 Resp: 31422

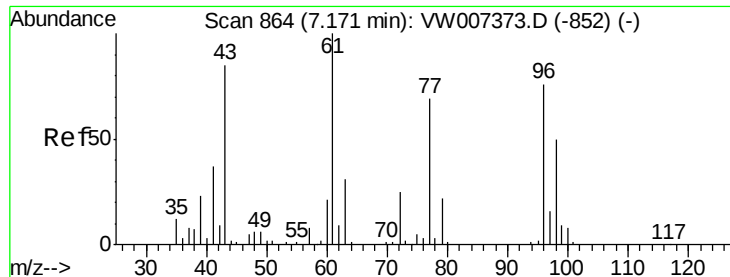
Ion Ratio Lower Upper

63 100

98 8.0 3.5 10.4

100 4.1 2.5 7.5





#25

2-Butanone

Concen: 98.684 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007524.D

Acq: 14 Dec 2018 10:23

Instrument :

MSVOA_W

ClientSampleId :

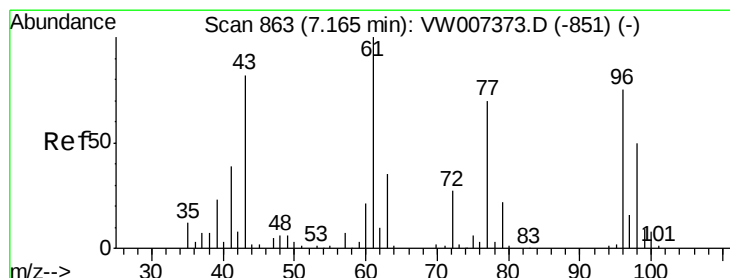
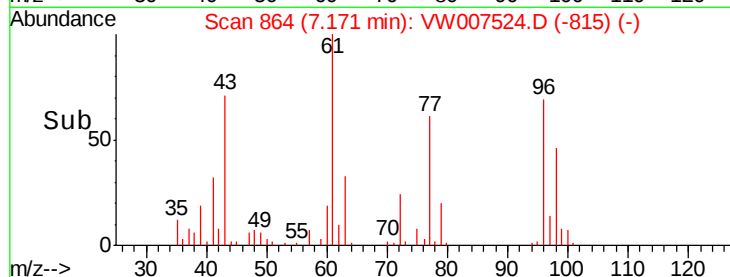
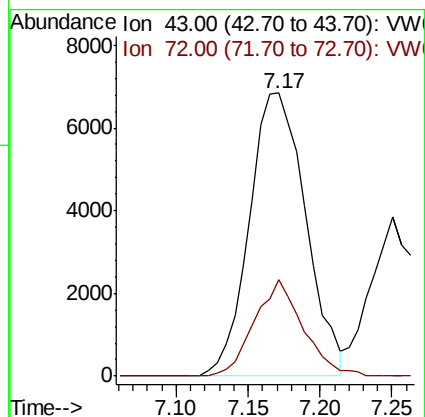
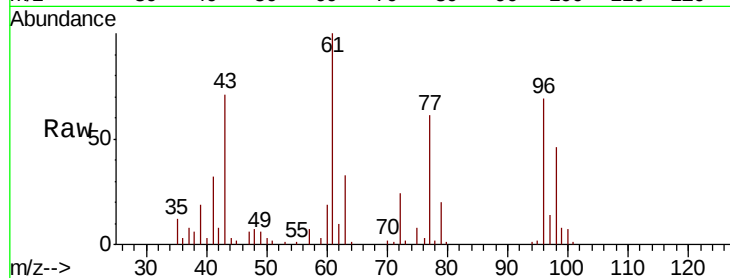
VW1217SBS01

Tot Ion: 43 Resp: 18623

Ion Ratio Lower Upper

43 100

72 33.9 23.4 35.2



#26

2,2-Dichloropropane

Concen: 19.901 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW007524.D

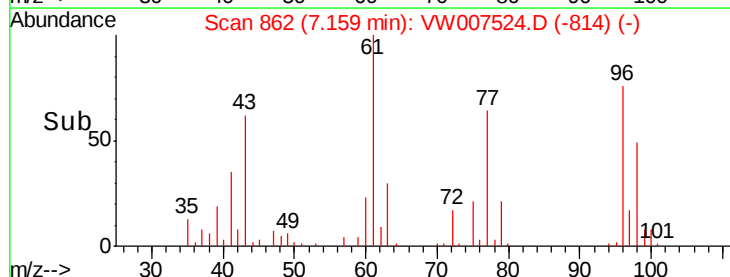
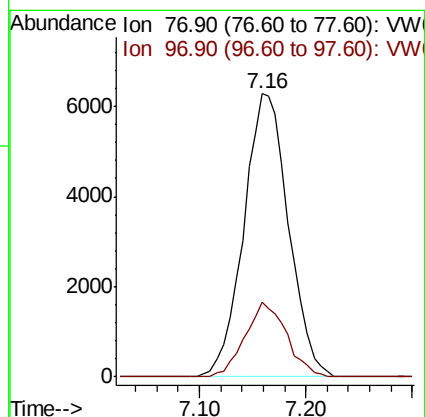
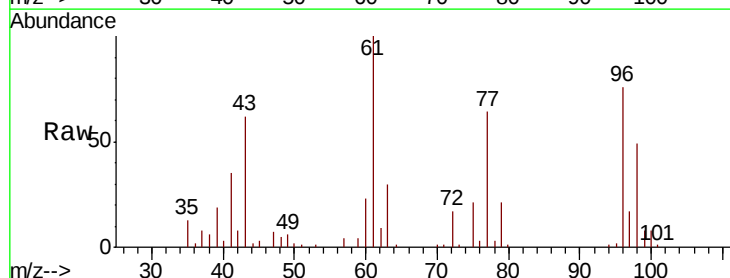
Acq: 14 Dec 2018 10:23

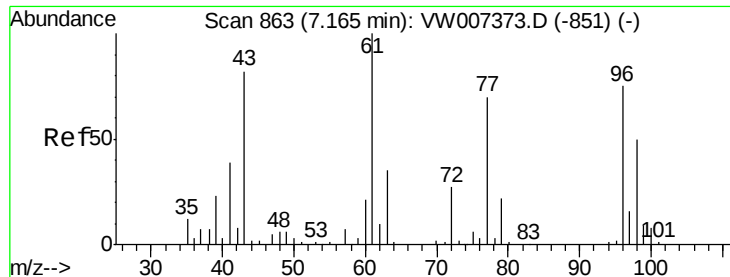
Tgt Ion: 77 Resp: 18456

Ion Ratio Lower Upper

77 100

97 24.4 11.6 34.8



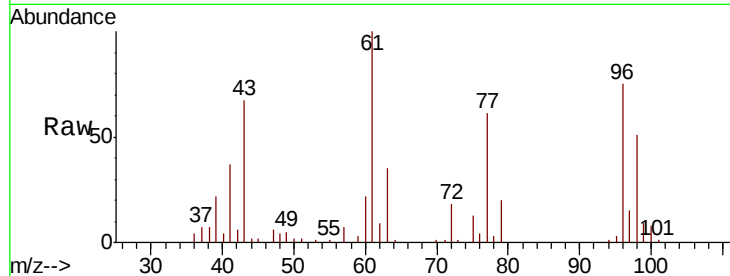


#27

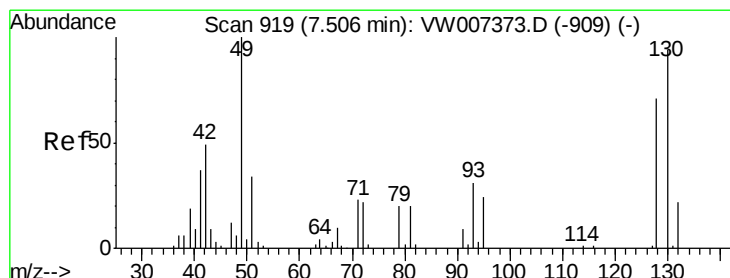
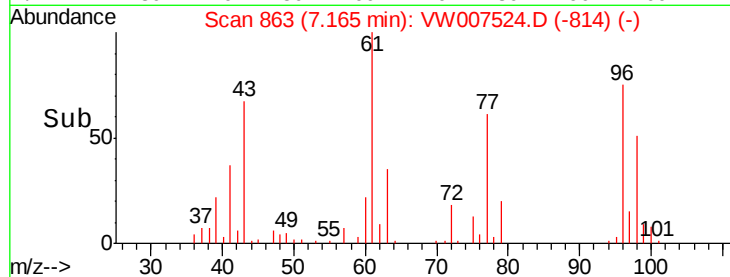
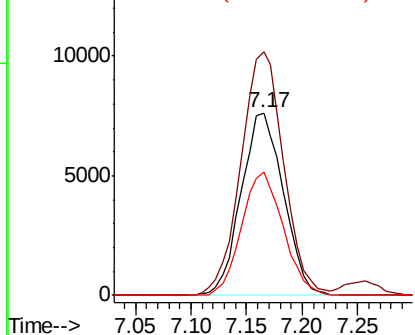
cis-1,2-Dichloroethene
 Concen: 22.448 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW007524.D
 Acq: 14 Dec 2018 10:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBS01

Tot Ion: 96 Resp: 20120
 Ion Ratio Lower Upper
 96 100
 61 135.5 0.0 268.4
 98 66.5 0.0 127.8



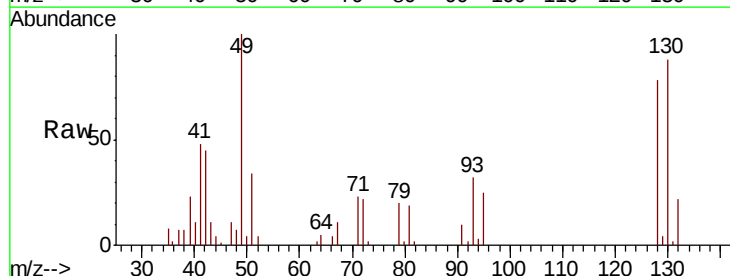
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



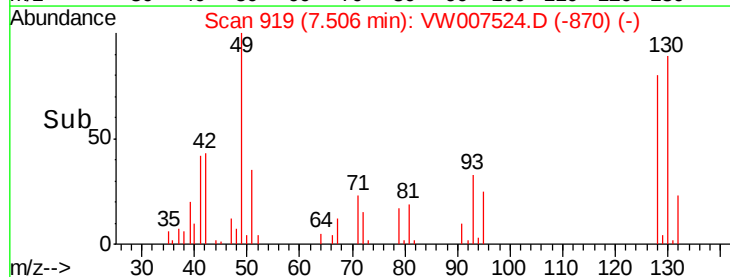
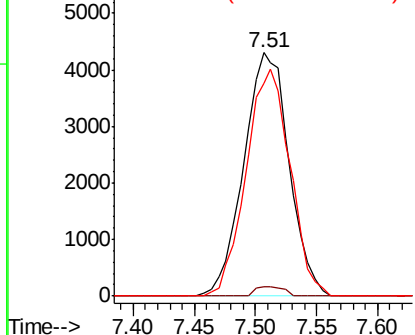
#28

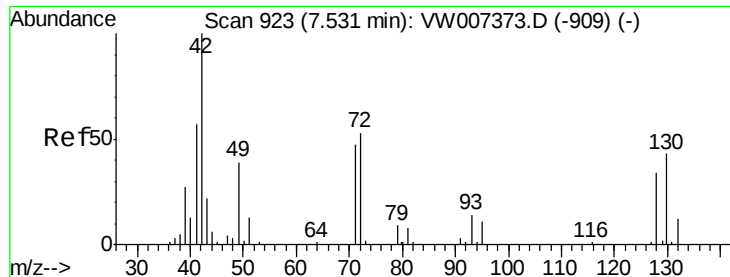
Bromochloromethane
 Concen: 20.978 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW007524.D
 Acq: 14 Dec 2018 10:23

Tgt Ion: 49 Resp: 11057
 Ion Ratio Lower Upper
 49 100
 129 2.5 0.0 2.6
 130 90.8 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

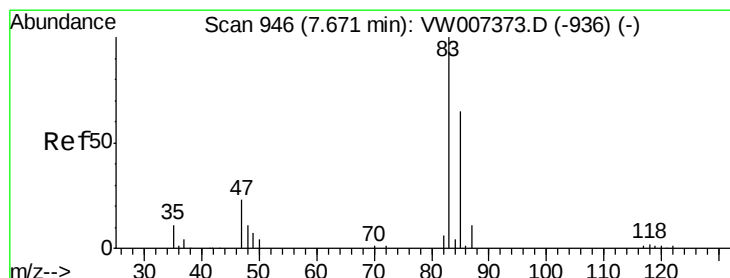
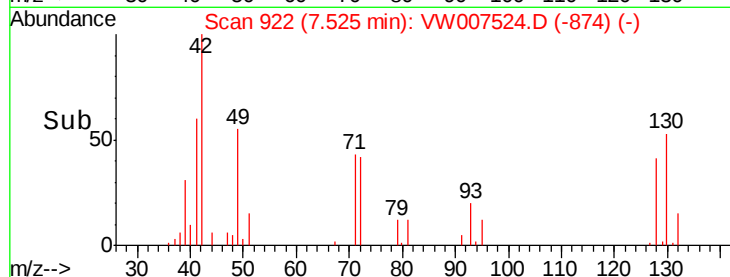
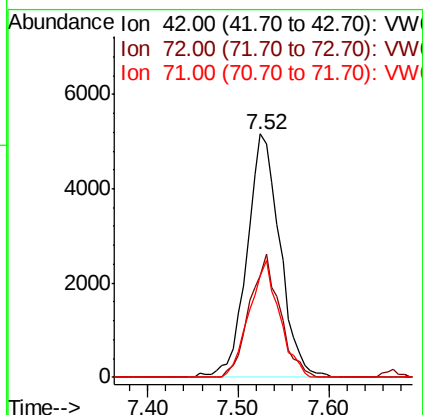
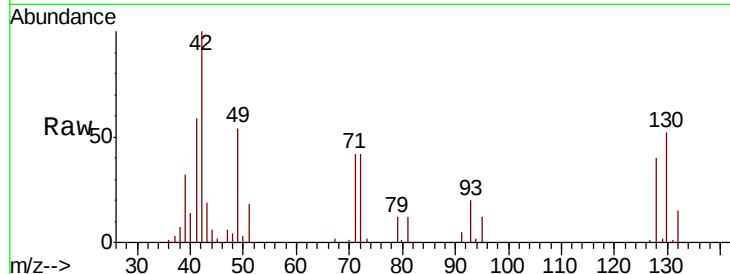




#29
Tetrahydrofuran
Concen: 108.573 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW007524.D
Acq: 14 Dec 2018 10:23

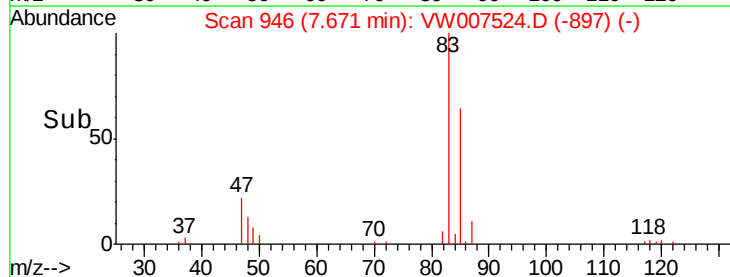
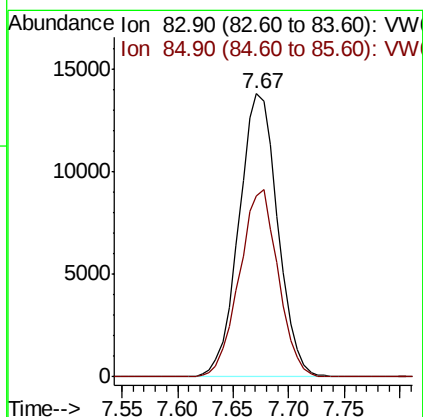
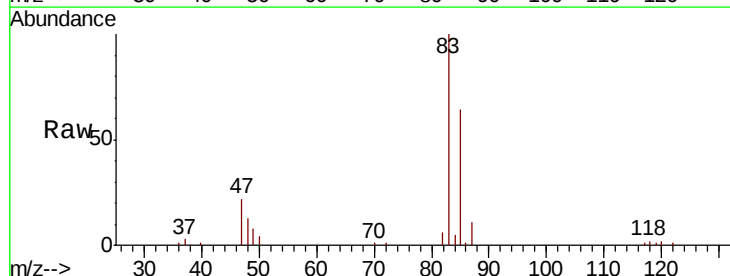
Instrument :
MSVOA_W
ClientSampleId :
VW1217SBS01

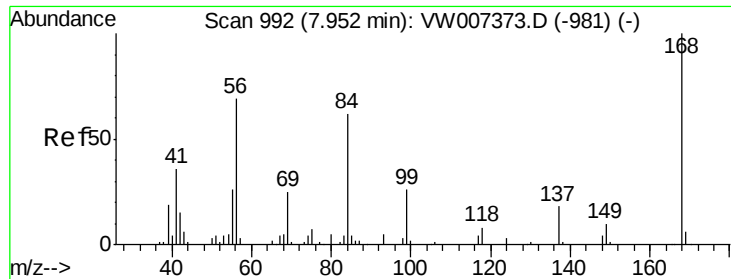
Tot Ion: 42 Resp: 12971
Ion Ratio Lower Upper
42 100
72 46.4 38.2 57.4
71 43.8 35.5 53.3



#30
Chloroform
Concen: 21.948 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW007524.D
Acq: 14 Dec 2018 10:23

Tgt Ion: 83 Resp: 33468
Ion Ratio Lower Upper
83 100
85 64.0 51.8 77.8

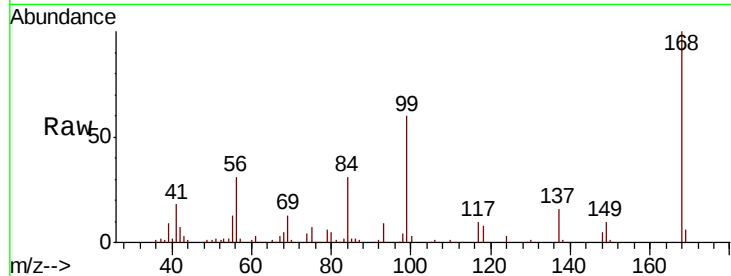




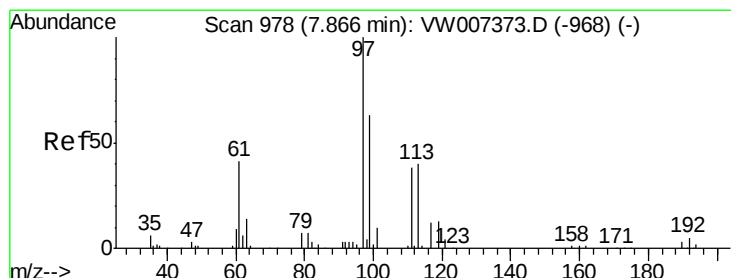
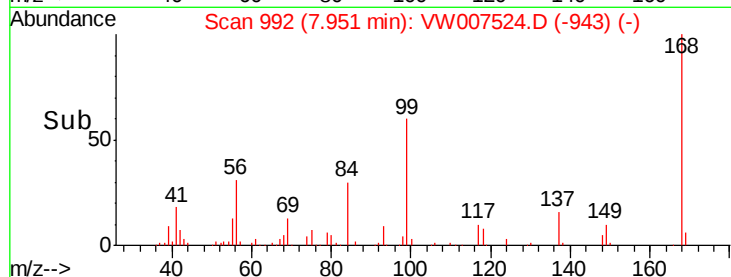
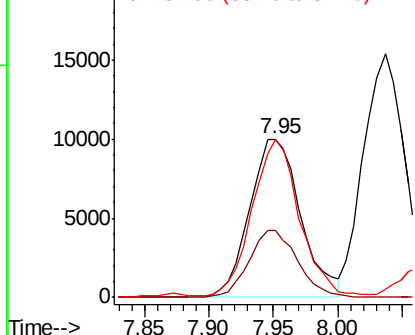
#31
Cyclohexane
Concen: 21.400 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007524.D
Acq: 14 Dec 2018 10:23

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBS01

Tot Ion: 56 Resp: 27512
Ion Ratio Lower Upper
56 100
69 42.2 28.9 43.3
84 98.1 71.8 107.6

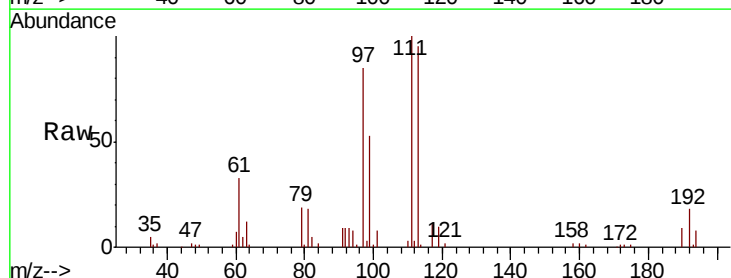


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

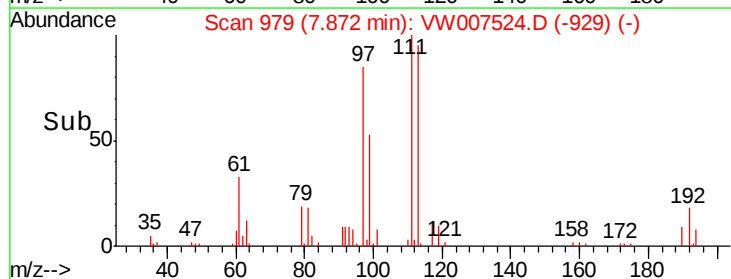
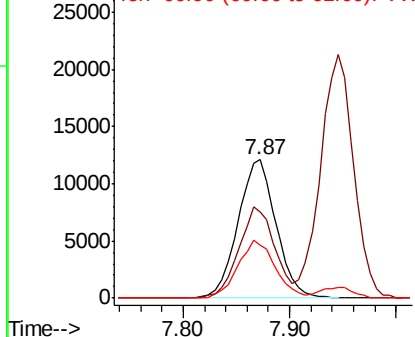


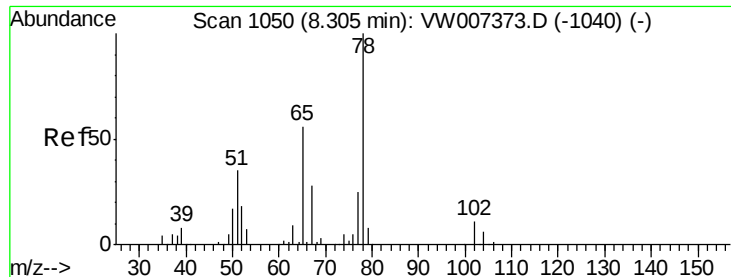
#32
1,1,1-Trichloroethane
Concen: 22.593 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW007524.D
Acq: 14 Dec 2018 10:23

Tgt Ion: 97 Resp: 30212
Ion Ratio Lower Upper
97 100
99 62.8 51.1 76.7
61 41.0 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

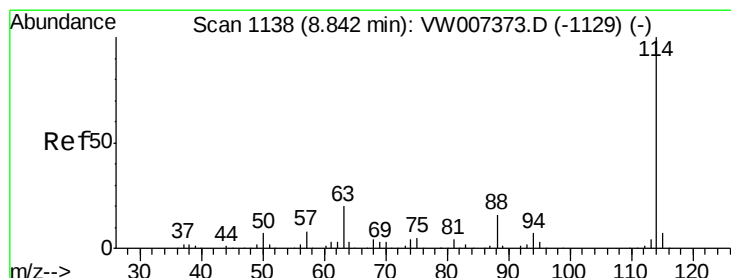
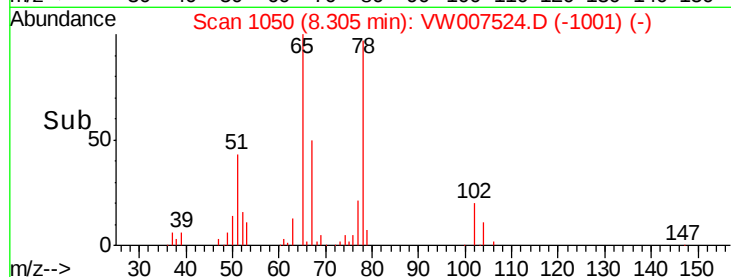
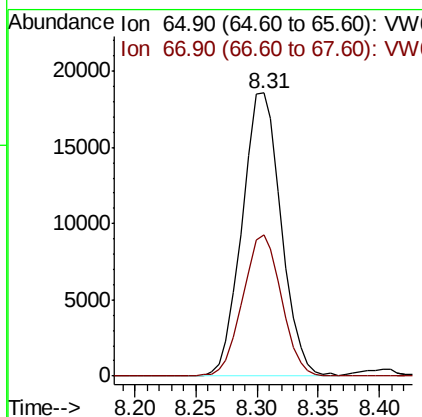
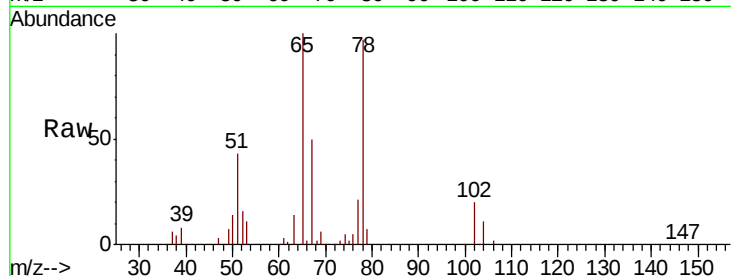




#33
 1,2-Dichloroethane-d4
 Concen: 49.958 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007524.D
 Acq: 14 Dec 2018 10:23

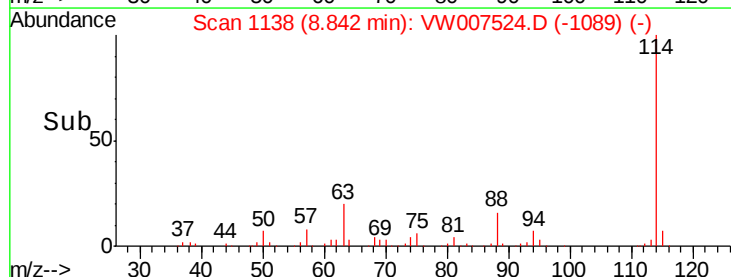
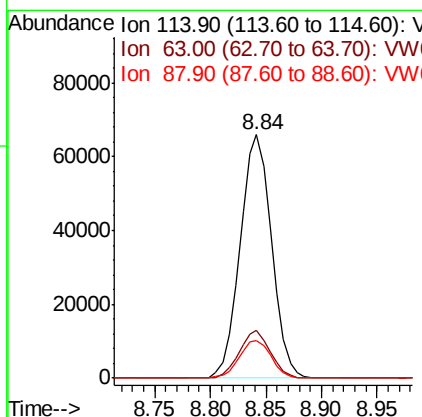
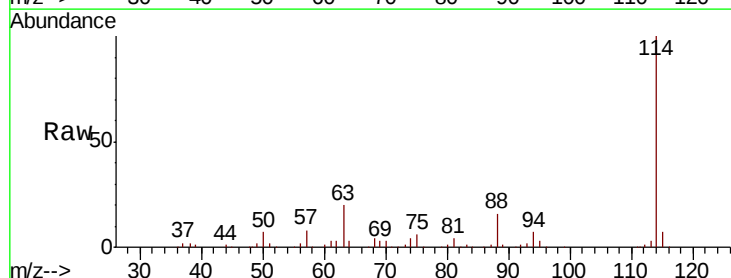
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBS01

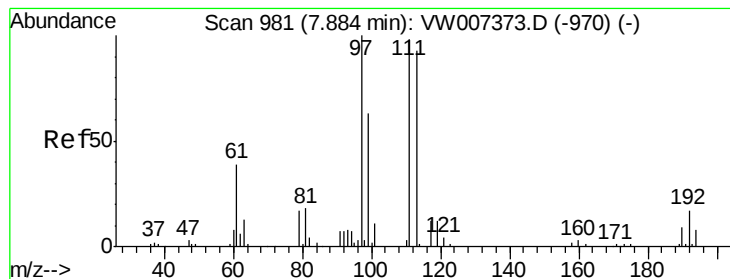
Tot Ion: 65 Resp: 41344
 Ion Ratio Lower Upper
 65 100
 67 49.2 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007524.D
 Acq: 14 Dec 2018 10:23

Tgt Ion: 114 Resp: 128959
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.6
 88 15.5 0.0 31.4





#35

Dibromofluoromethane

Concen: 49.279 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW007524.D

Acq: 14 Dec 2018 10:23

Instrument :

MSVOA_W

ClientSampleId :

VW1217SBS01

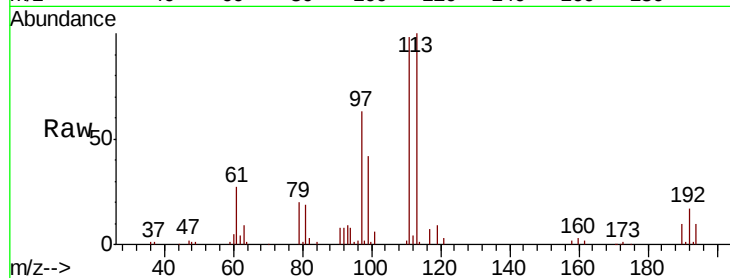
Tot Ion:113 Resp: 38469

Ion Ratio Lower Upper

113 100

111 103.5 81.1 121.7

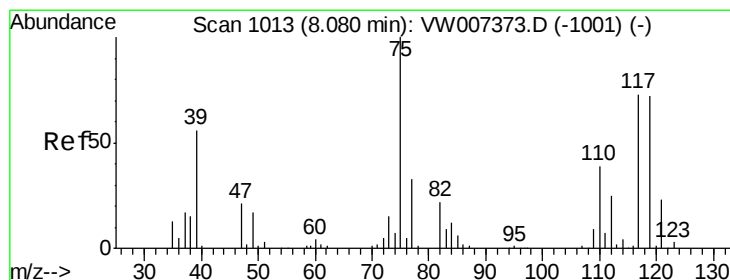
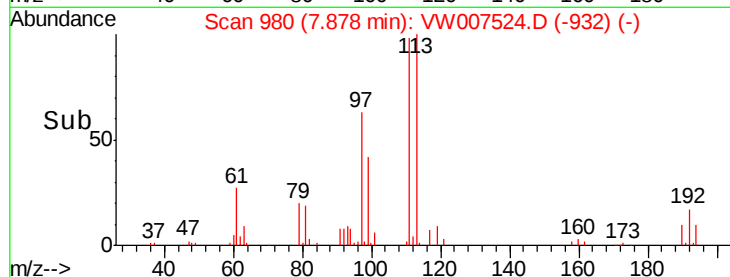
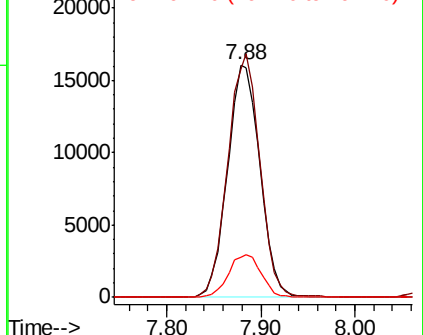
192 18.3 14.6 21.8



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: 21.703 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW007524.D

Acq: 14 Dec 2018 10:23

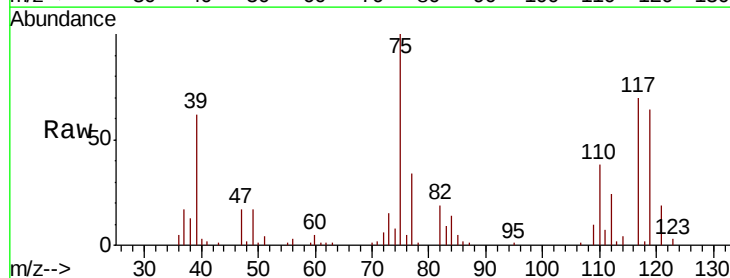
Tgt Ion: 75 Resp: 25532

Ion Ratio Lower Upper

75 100

110 37.5 18.5 55.5

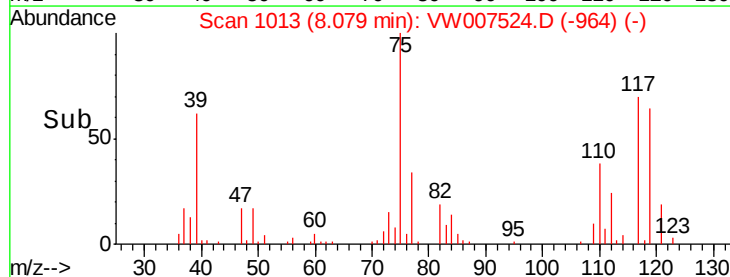
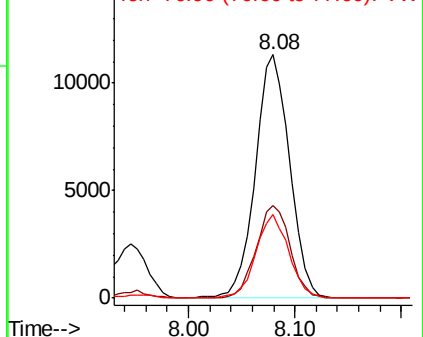
77 32.9 25.6 38.4

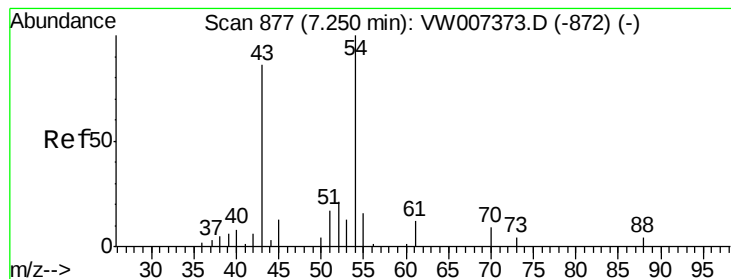


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 21.083 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW007524.D

Acq: 14 Dec 2018 10:23

Instrument :

MSVOA_W

ClientSampleId :

VW1217SBS01

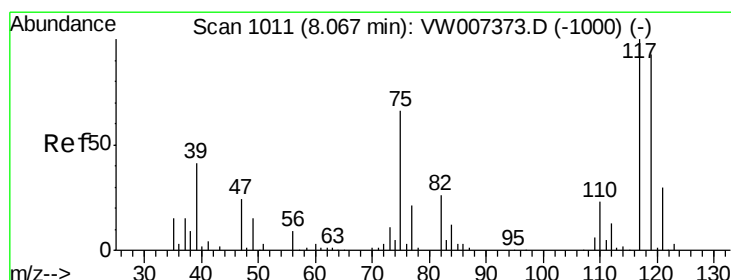
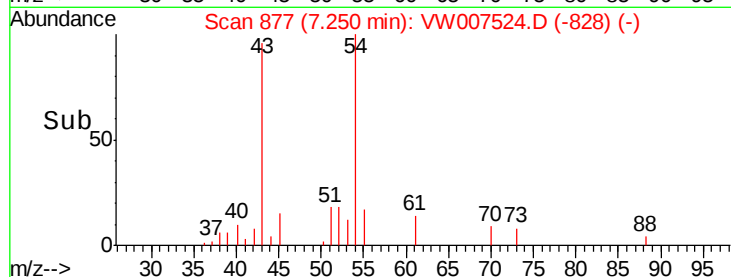
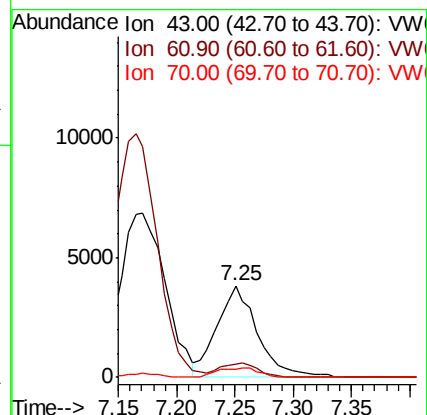
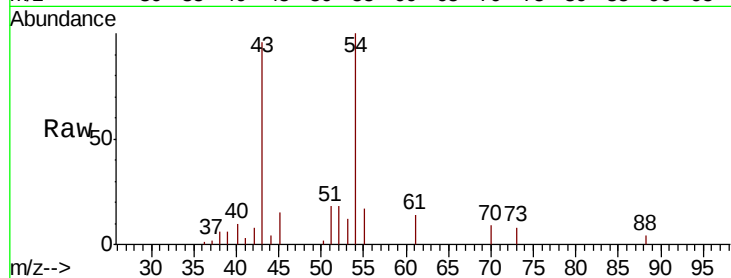
Tot Ion: 43 Resp: 9225

Ion Ratio Lower Upper

43 100

61 13.9 12.1 18.1

70 10.4 10.0 15.0



#38

Carbon Tetrachloride

Concen: 22.168 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW007524.D

Acq: 14 Dec 2018 10:23

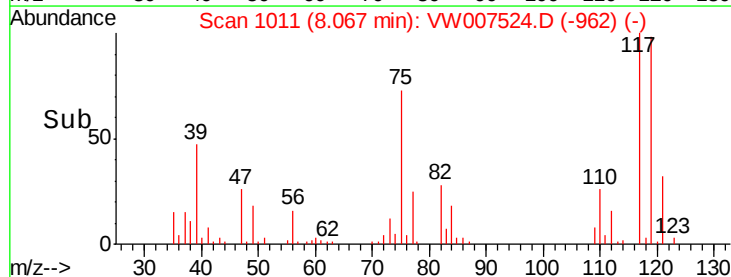
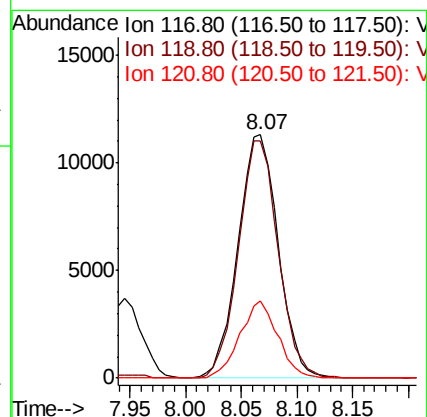
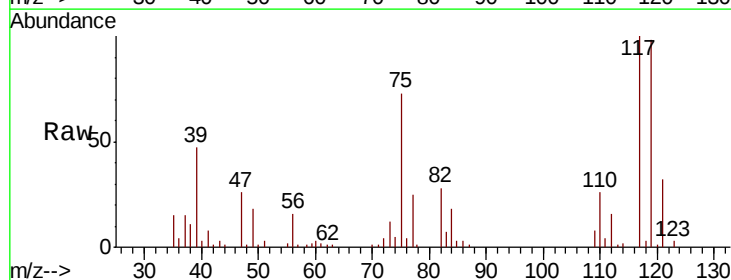
Tgt Ion: 117 Resp: 28376

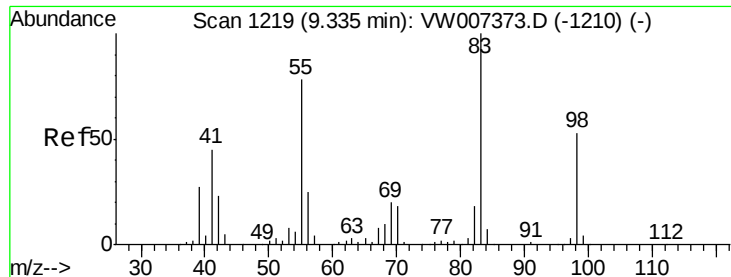
Ion Ratio Lower Upper

117 100

119 97.7 74.3 111.5

121 31.7 24.3 36.5

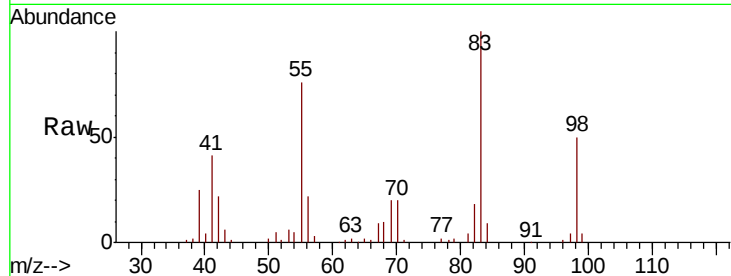




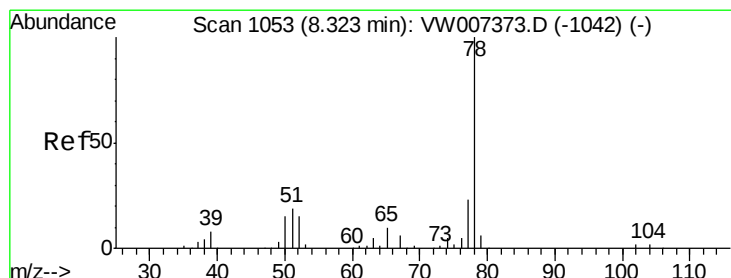
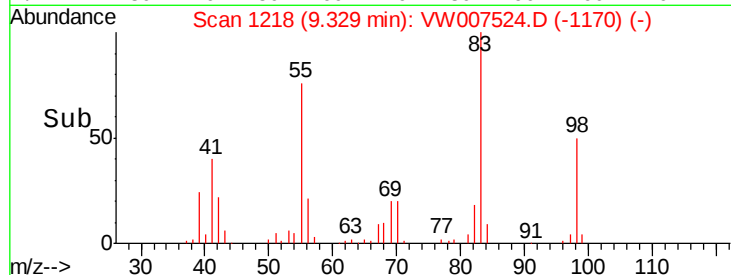
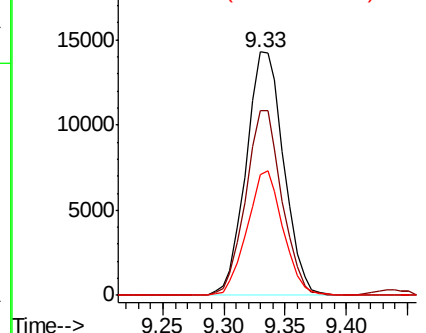
#39
Methvlcvclohexane
Concen: 21.502 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW007524.D
Acq: 14 Dec 2018 10:23

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBS01

Tot Ion: 83 Resp: 30630
Ion Ratio Lower Upper
83 100
55 75.8 62.8 94.2
98 49.6 42.2 63.2

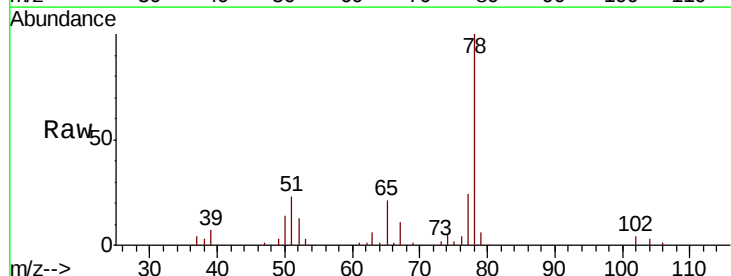


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

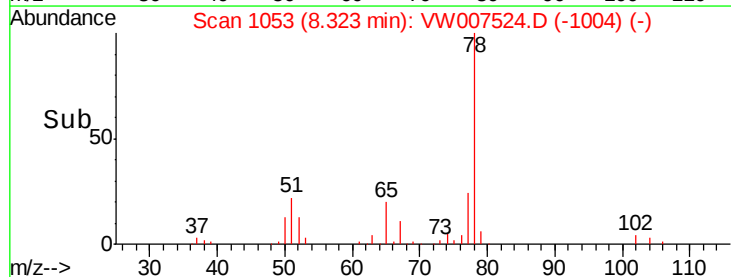
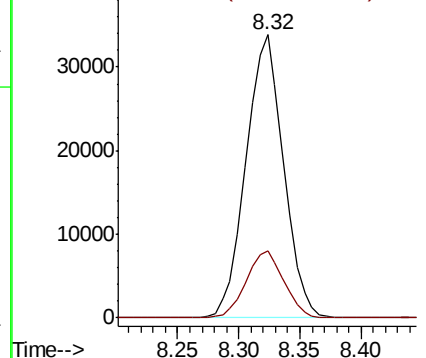


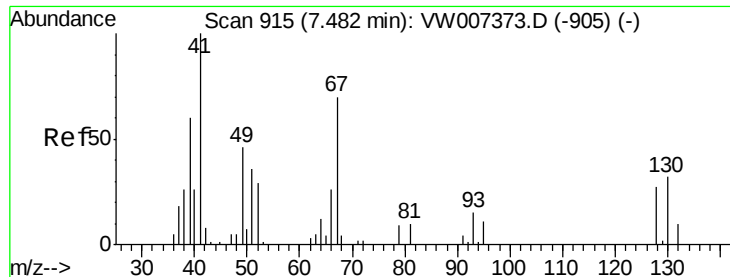
#40
Benzene
Concen: 22.132 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007524.D
Acq: 14 Dec 2018 10:23

Tgt Ion: 78 Resp: 72254
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2



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





#41

Methacrylonitrile

Concen: 18.783 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.01 min

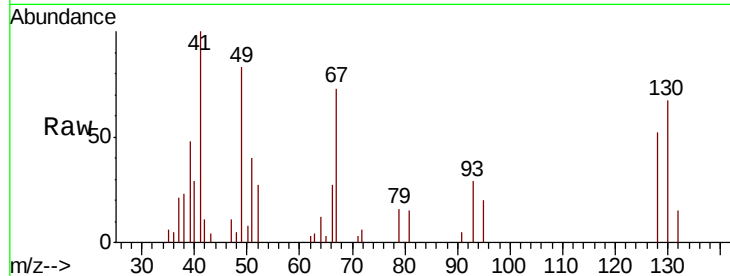
Lab File: VW007524.D

Acq: 14 Dec 2018 10:23

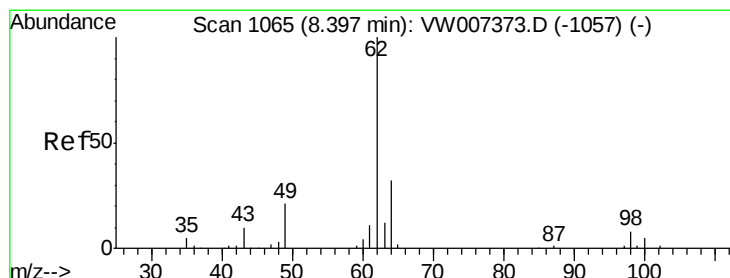
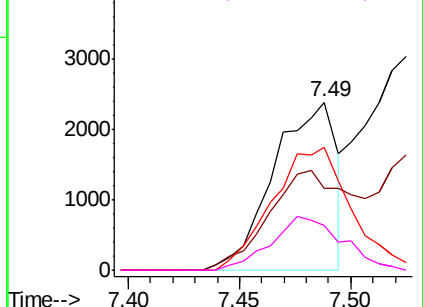
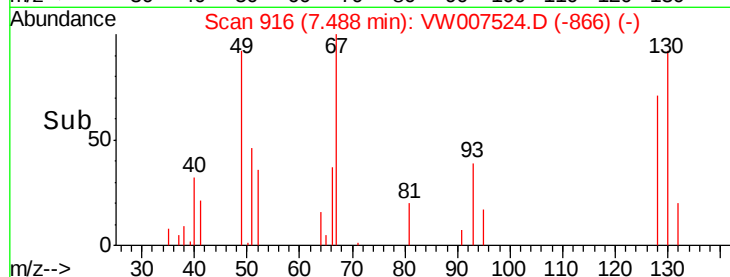
Instrument :
MSVOA_W
ClientSampled :
VW1217SBS01

Tot Ion: 41 Resp: 4680

Ion	Ratio	Lower	Upper
41	100		
39	79.3	52.2	78.2#
67	90.7	60.5	90.7
52	36.0	25.3	37.9



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 22.184 ug/l

RT: 8.40 min Scan# 1065

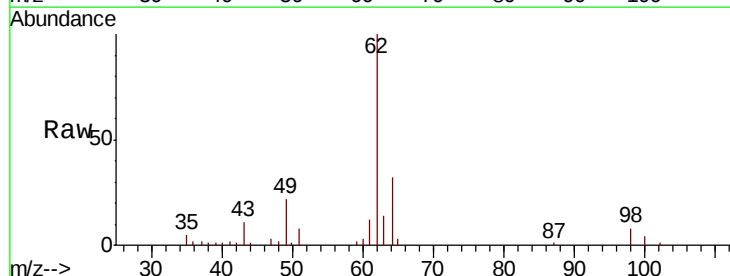
Delta R.T. -0.00 min

Lab File: VW007524.D

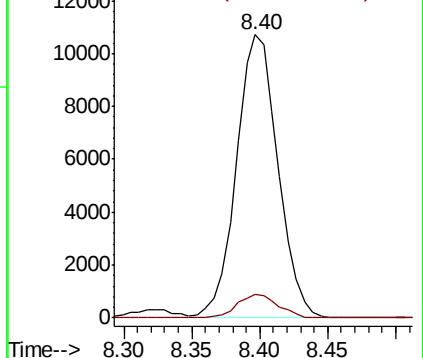
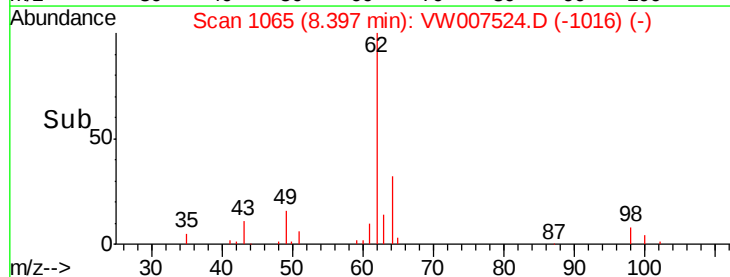
Acq: 14 Dec 2018 10:23

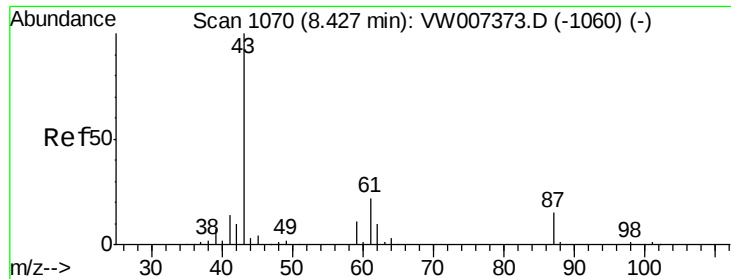
Tgt Ion: 62 Resp: 22751

Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	17.6



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 20.500 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007524.D

Acq: 14 Dec 2018 10:23

Instrument :

MSVOA_W

ClientSampleId :

VW1217SBS01

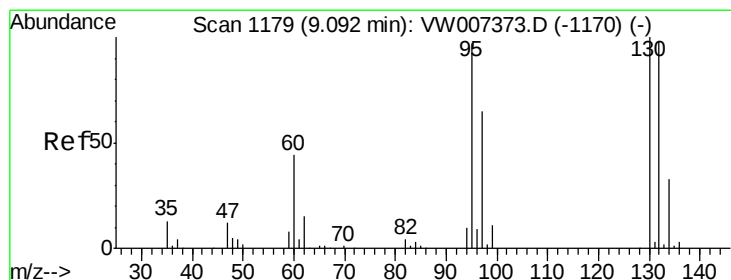
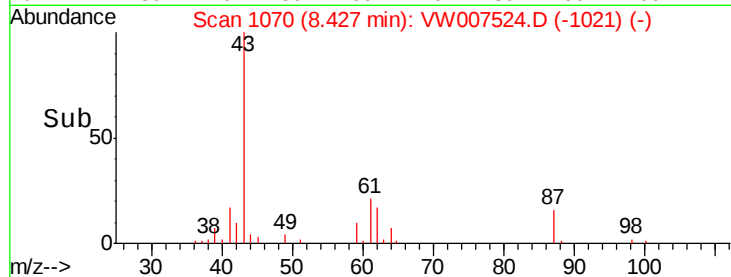
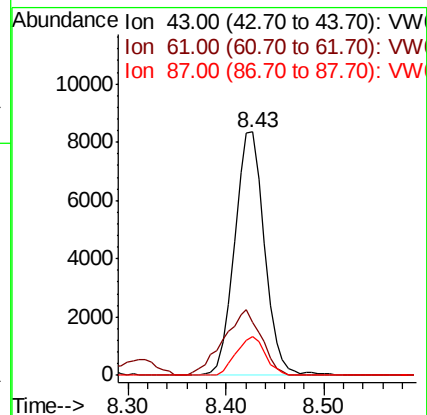
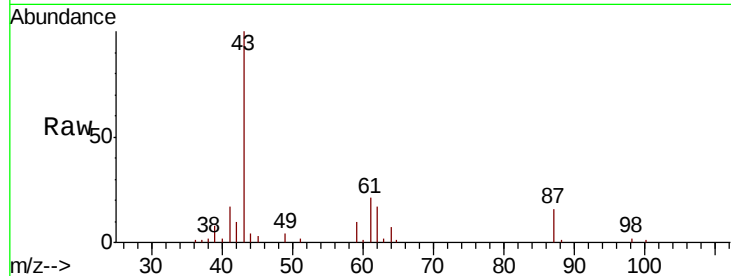
Tot Ion: 43 Resp: 17718

Ion Ratio Lower Upper

43 100

61 34.0 25.3 37.9

87 15.4 11.8 17.8



#44

Trichloroethene

Concen: 22.644 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007524.D

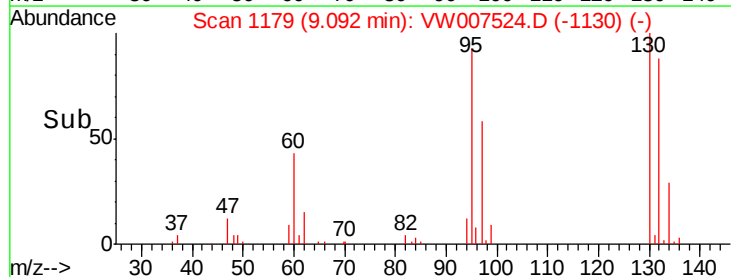
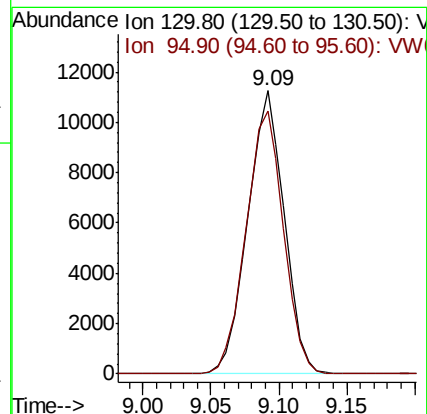
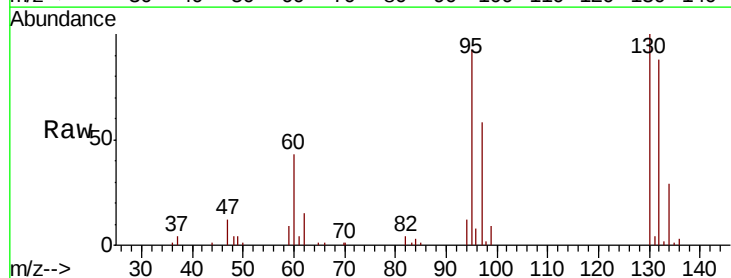
Acq: 14 Dec 2018 10:23

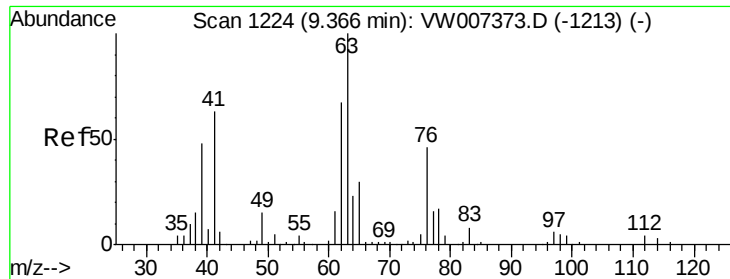
Tgt Ion: 130 Resp: 21110

Ion Ratio Lower Upper

130 100

95 93.0 0.0 193.2





#45

1,2-Dichloropropane

Concen: 22.518 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW007524.D

Acq: 14 Dec 2018 10:23

Instrument :

MSVOA_W

ClientSampleId :

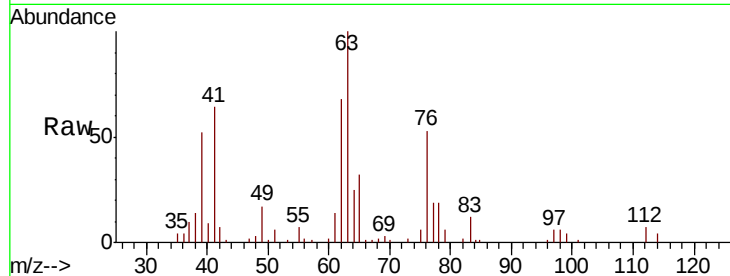
VW1217SBS01

Tot Ion: 63 Resp: 17012

Ion Ratio Lower Upper

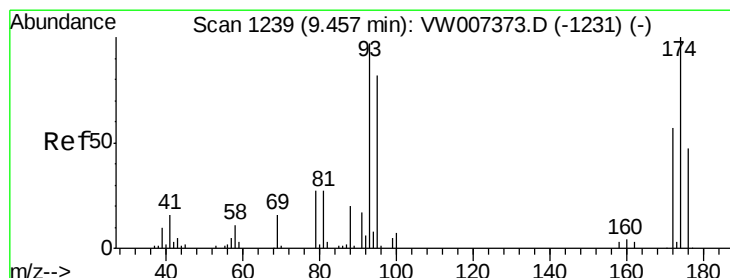
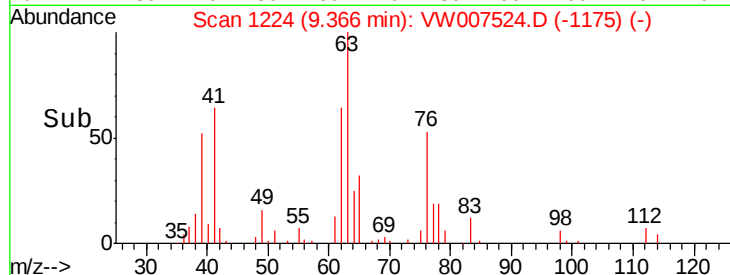
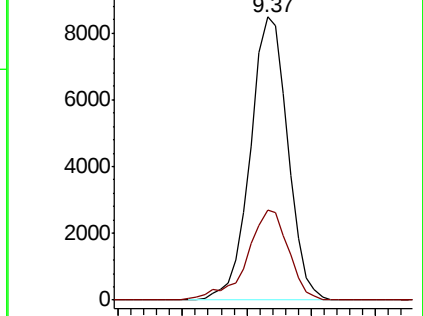
63 100

65 31.8 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 22.653 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW007524.D

Acq: 14 Dec 2018 10:23

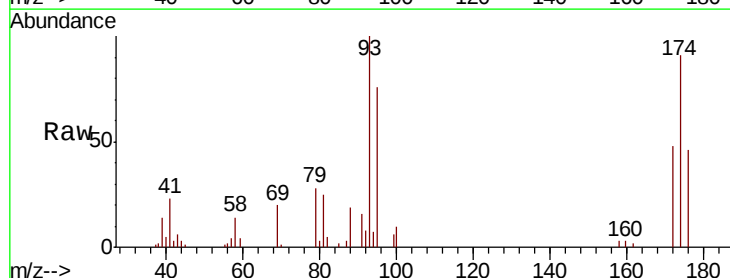
Tgt Ion: 93 Resp: 9719

Ion Ratio Lower Upper

93 100

95 78.9 68.0 102.0

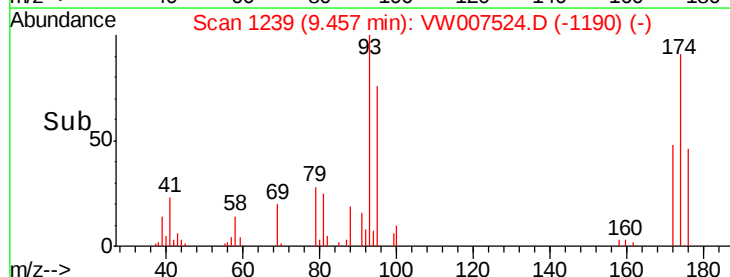
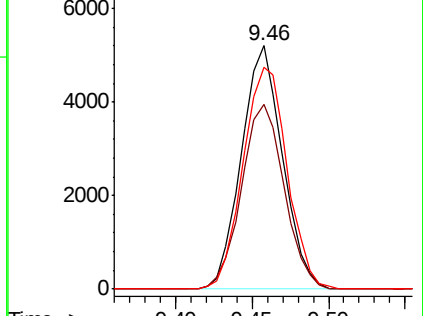
174 98.0 83.2 124.8

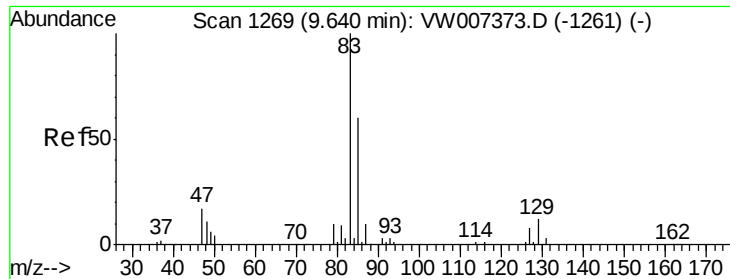


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 22.233 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW007524.D

Acq: 14 Dec 2018 10:23

Instrument :

MSVOA_W

ClientSampleId :

VW1217SBS01

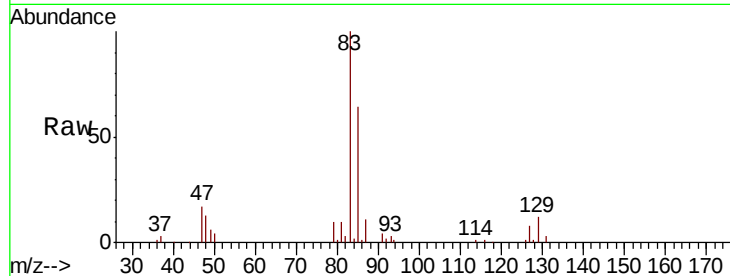
Tot Ion: 83 Resp: 25021

Ion Ratio Lower Upper

83 100

85 63.6 47.6 71.4

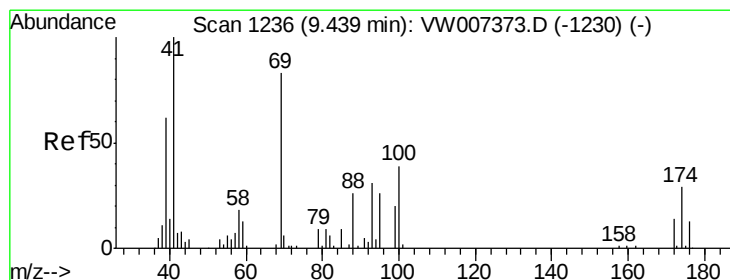
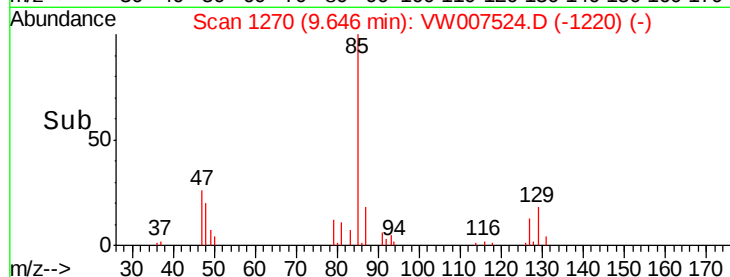
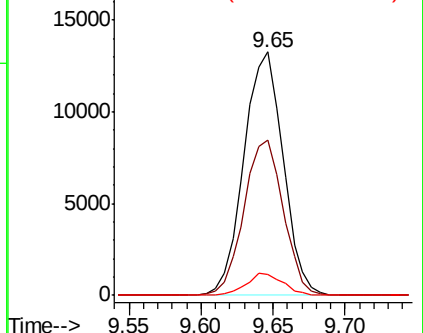
127 8.4 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 20.708 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW007524.D

Acq: 14 Dec 2018 10:23

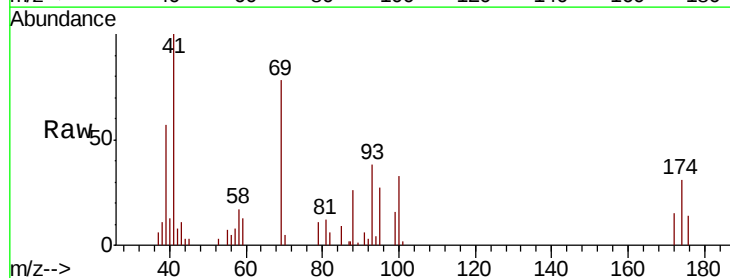
Tgt Ion: 41 Resp: 9192

Ion Ratio Lower Upper

41 100

69 89.6 69.8 104.8

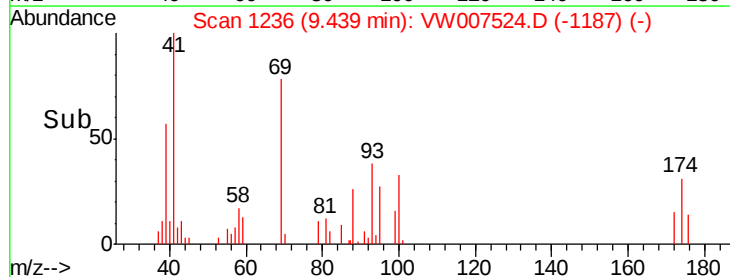
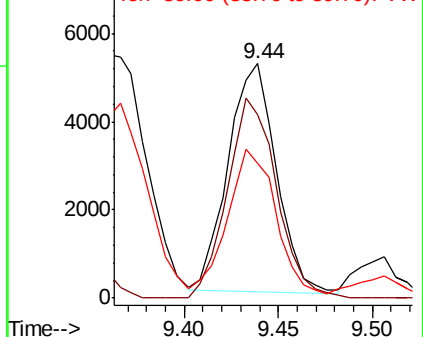
39 67.1 50.9 76.3

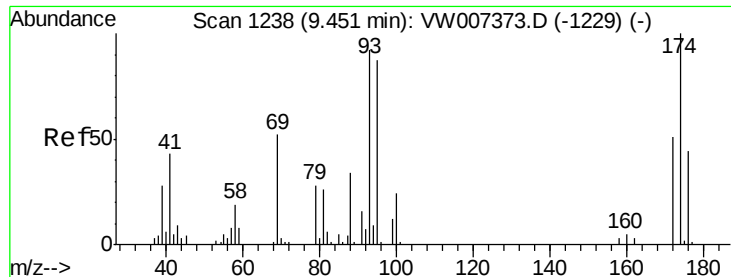


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

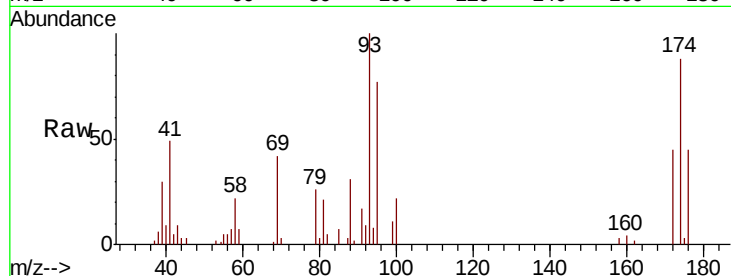




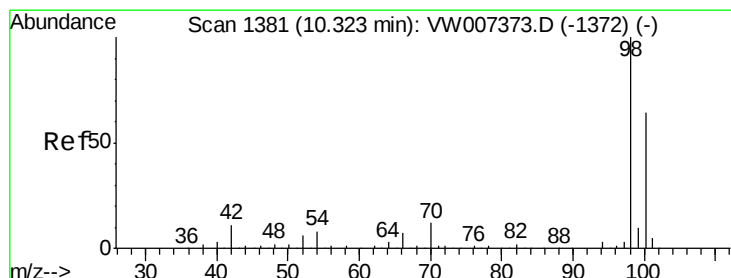
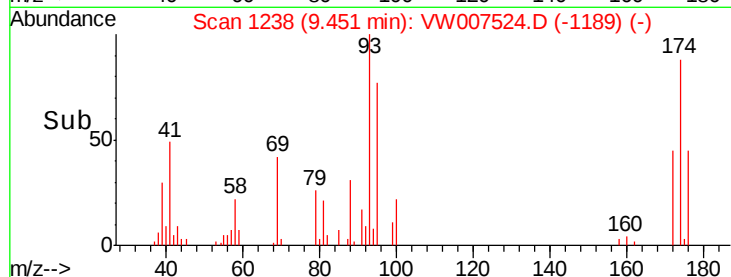
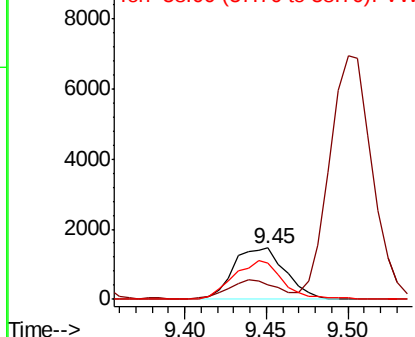
#49
1,4-Dioxane
Concen: 460.682 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VW007524.D
Acq: 14 Dec 2018 10:23

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBS01

Tot Ion: 88 Resp: 3207
Ion Ratio Lower Upper
88 100
43 37.9 25.0 37.4#
58 72.6 51.4 77.2

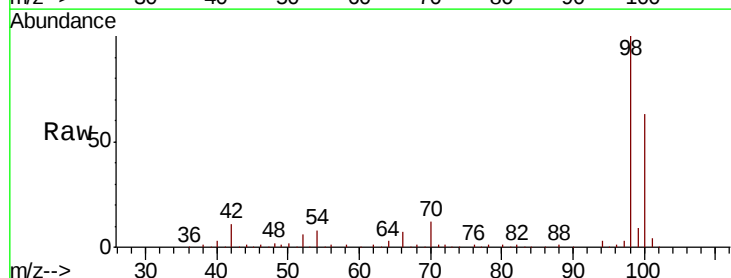


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

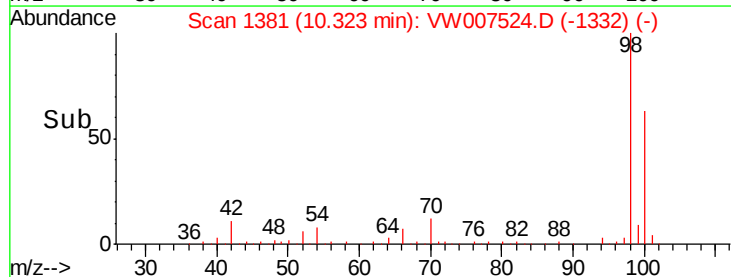
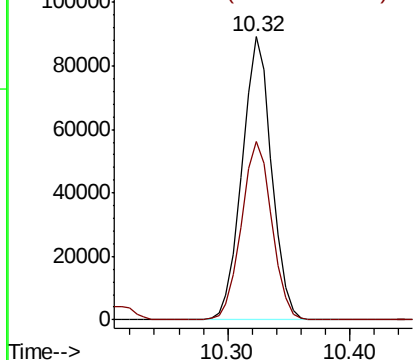


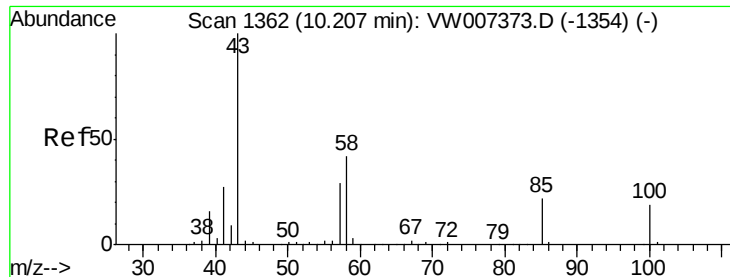
#50
Toluene-d8
Concen: 50.957 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007524.D
Acq: 14 Dec 2018 10:23

Tgt Ion: 98 Resp: 149151
Ion Ratio Lower Upper
98 100
100 65.0 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: 103.767 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW007524.D

Acq: 14 Dec 2018 10:23

Instrument :

MSVOA_W

ClientSampleId :

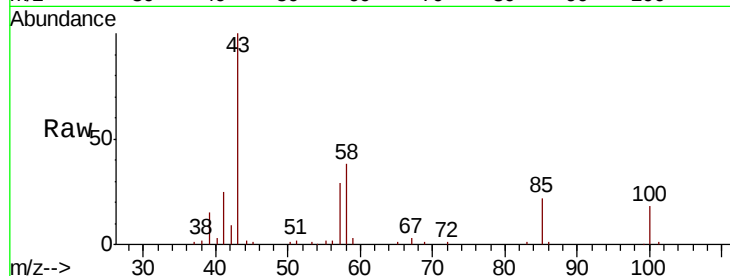
VW1217SBS01

Tot Ion: 43 Resp: 42376

Ion Ratio Lower Upper

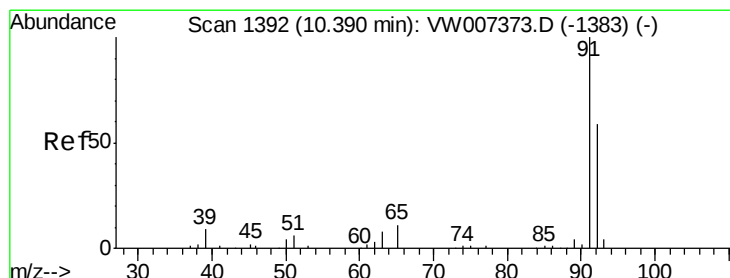
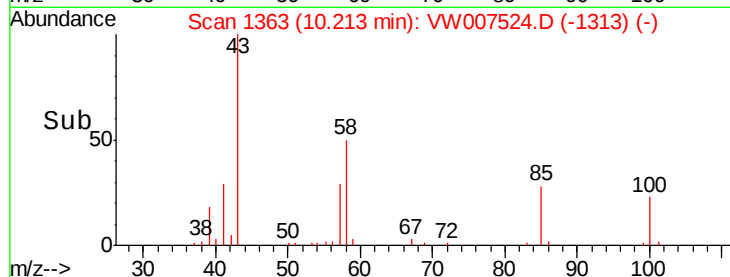
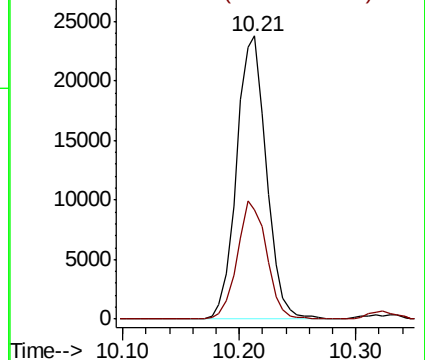
43 100

58 41.0 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: 22.887 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW007524.D

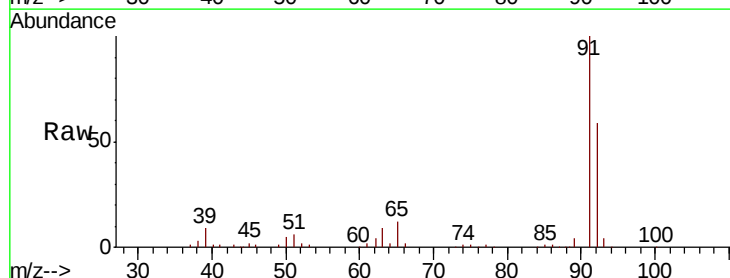
Acq: 14 Dec 2018 10:23

Tgt Ion: 92 Resp: 48354

Ion Ratio Lower Upper

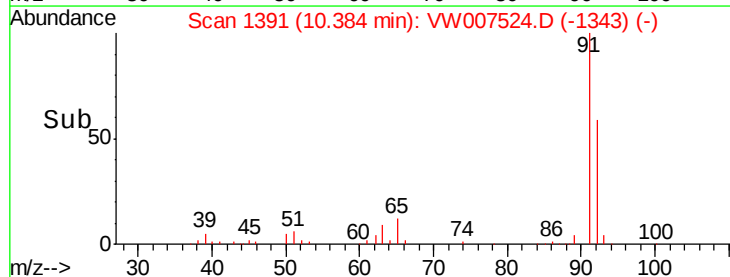
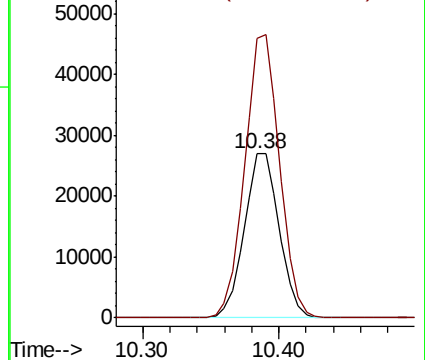
92 100

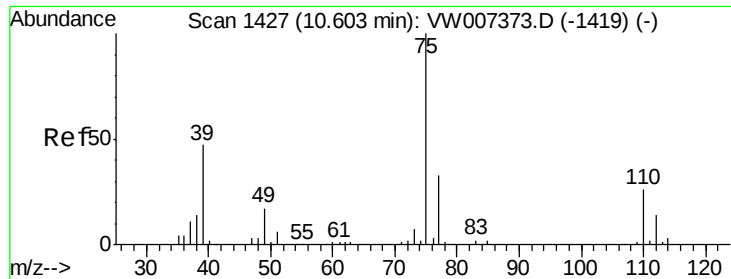
91 171.6 136.2 204.2



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 21.206 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW007524.D

Acq: 14 Dec 2018 10:23

Instrument :

MSVOA_W

ClientSampleId :

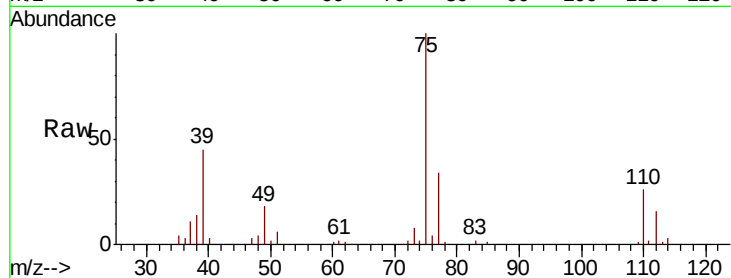
VW1217SBS01

Tot Ion: 75 Resp: 23169

Ion Ratio Lower Upper

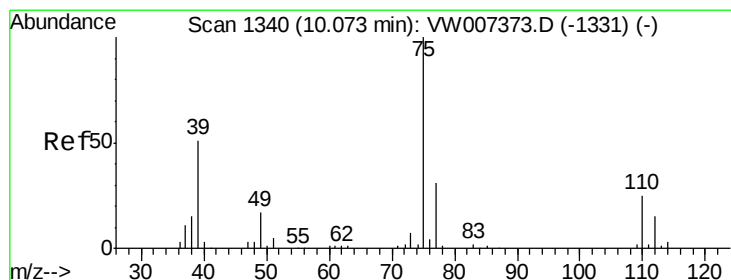
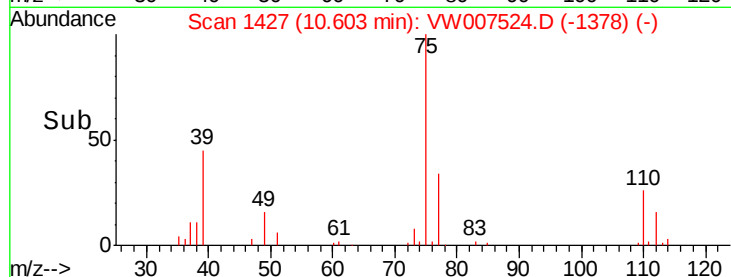
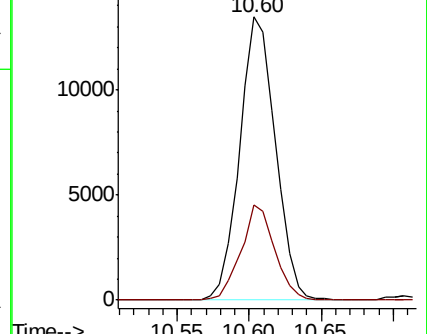
75 100

77 33.8 26.2 39.4



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 21.100 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW007524.D

Acq: 14 Dec 2018 10:23

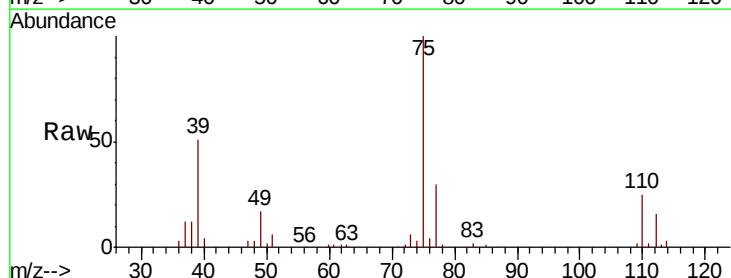
Tgt Ion: 75 Resp: 26649

Ion Ratio Lower Upper

75 100

77 29.6 24.8 37.2

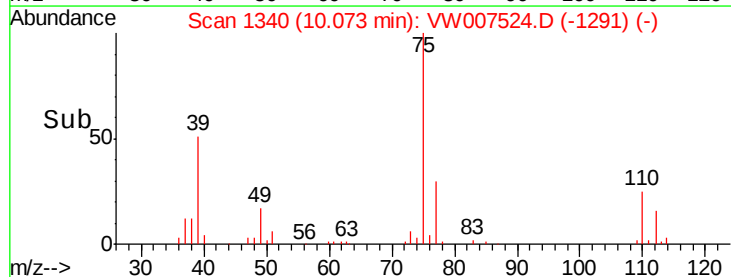
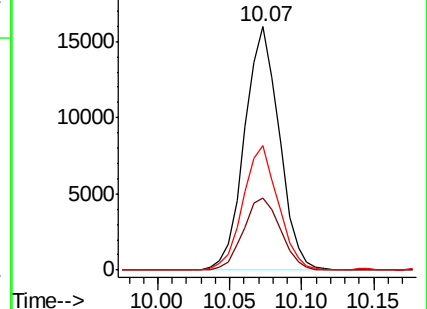
39 51.1 40.9 61.3

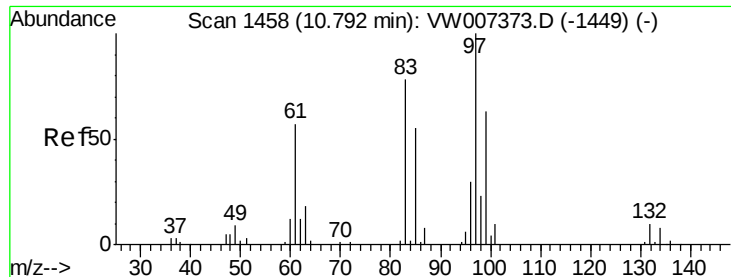


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

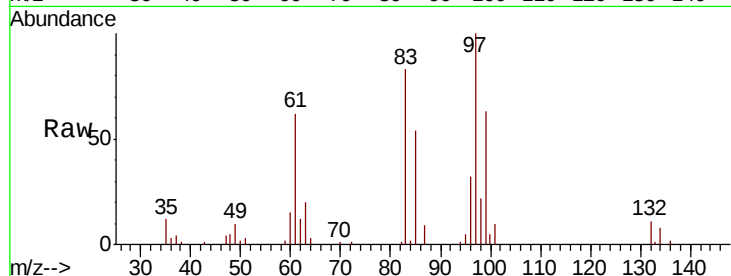




#55
 1,1,2-Trichloroethane
 Concen: 22.532 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW007524.D
 Acq: 14 Dec 2018 10:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBS01

Tot Ion:	97	Resp:	13157
Ion	Ratio	Lower	Upper
97	100		
83	83.2	62.1	93.1
85	54.4	44.2	66.4
99	63.2	50.2	75.4



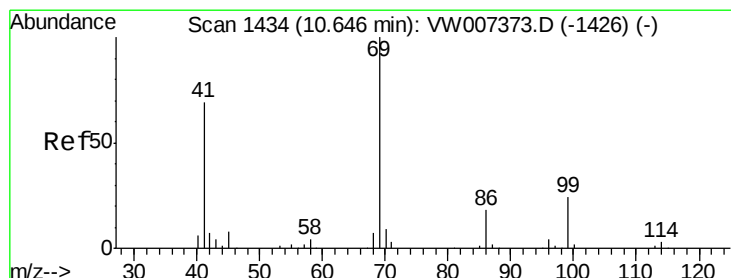
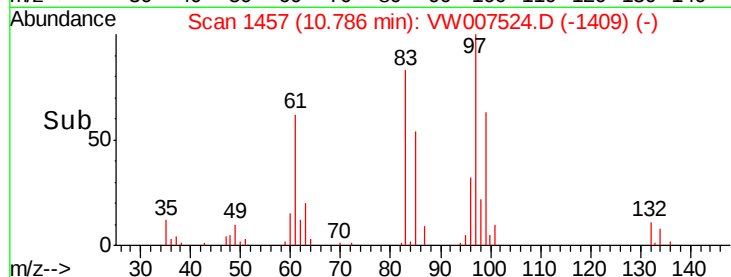
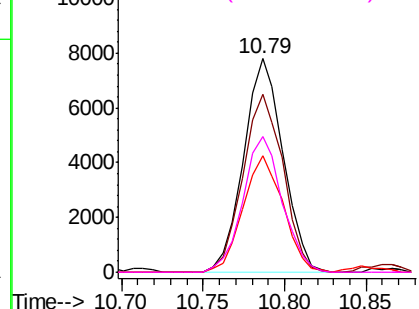
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

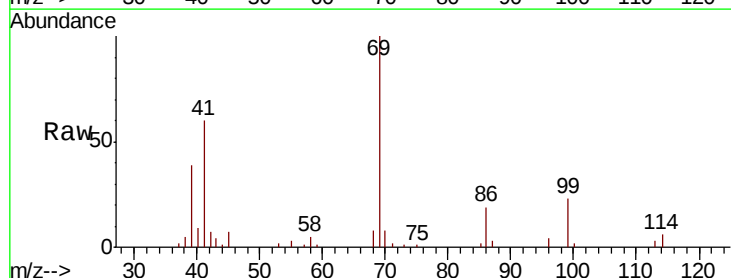
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 21.594 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007524.D
 Acq: 14 Dec 2018 10:23

Tgt Ion:	69	Resp:	15156
Ion	Ratio	Lower	Upper
69	100		
41	61.5	51.0	76.6
39	36.9	30.8	46.2

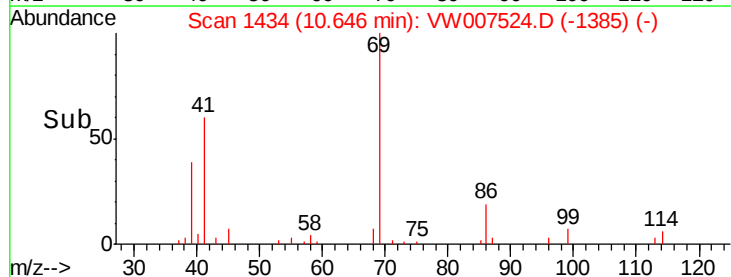
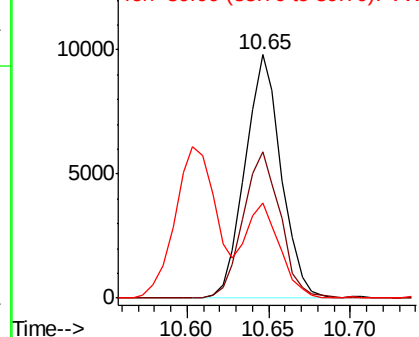


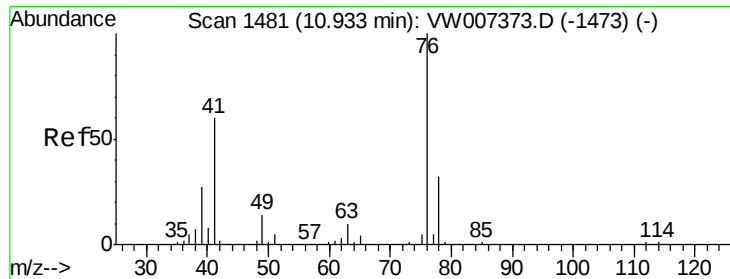
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

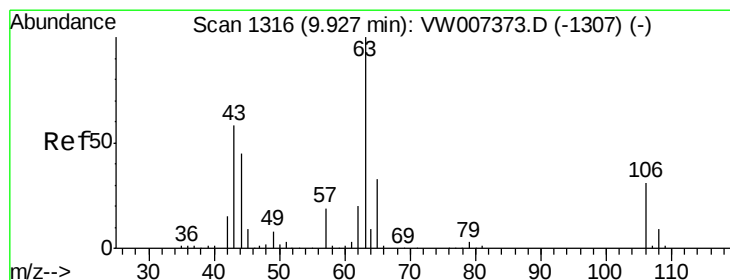
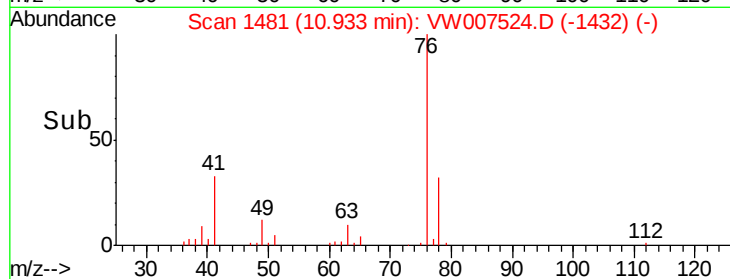
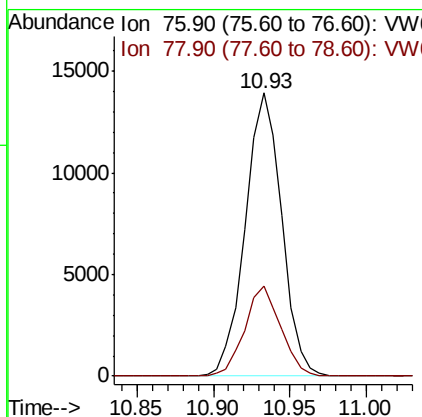
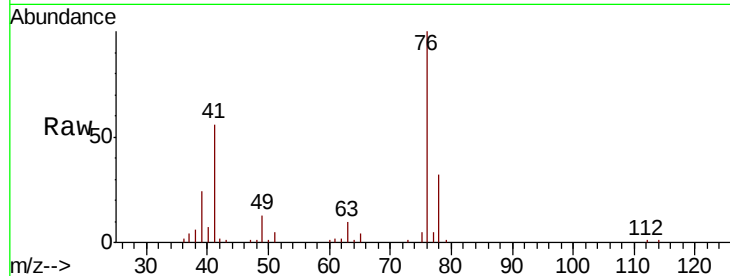




#57
 1,3-Dichloropropane
 Concen: 23.992 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007524.D
 Acq: 14 Dec 2018 10:23

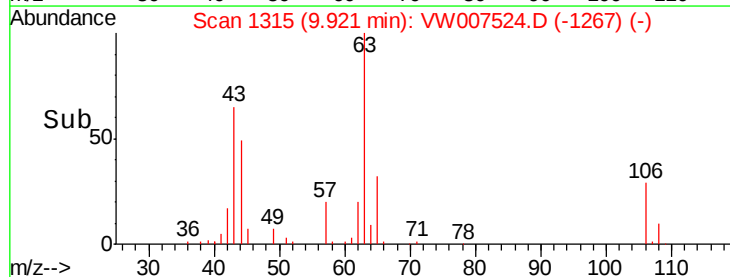
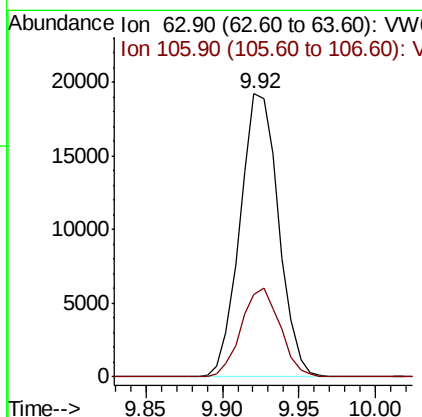
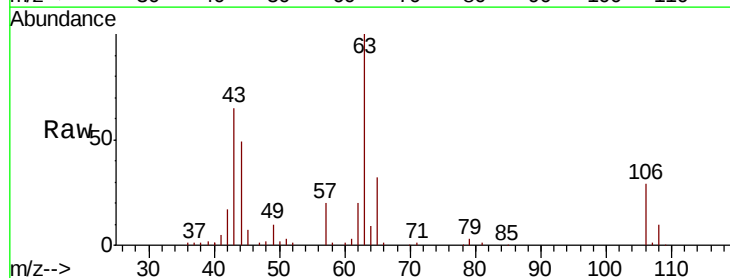
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBS01

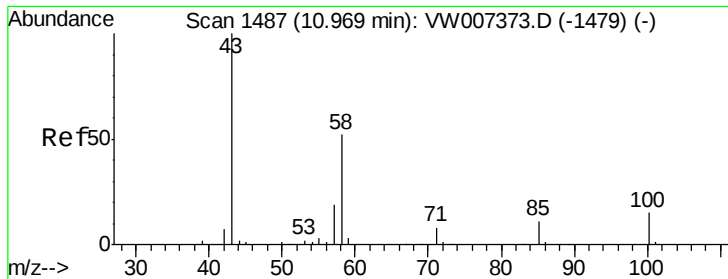
Tot Ion: 76 Resp: 22994
 Ion Ratio Lower Upper
 76 100
 78 31.2 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.231 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW007524.D
 Acq: 14 Dec 2018 10:23

Tgt Ion: 63 Resp: 33735
 Ion Ratio Lower Upper
 63 100
 106 31.4 25.0 37.6

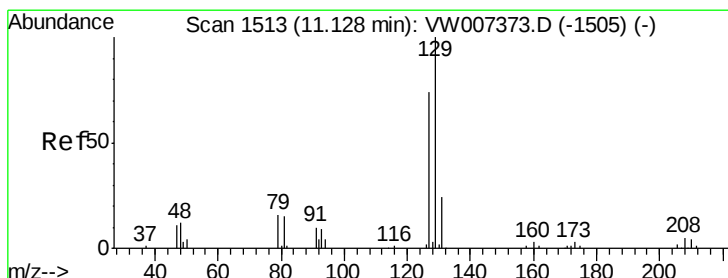
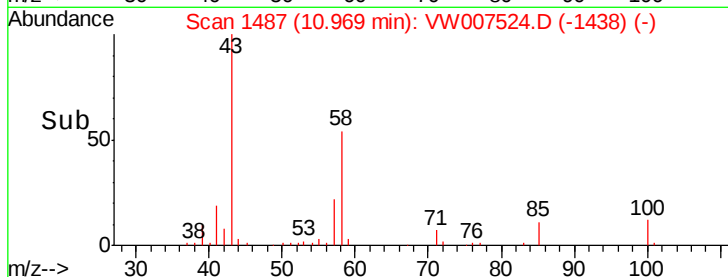
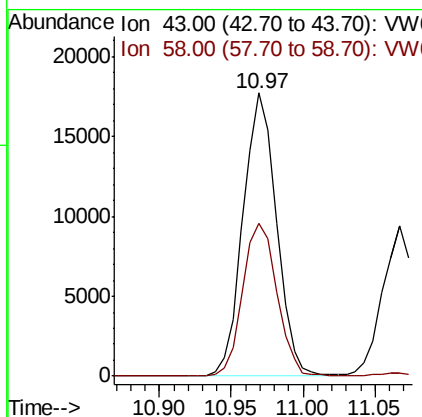
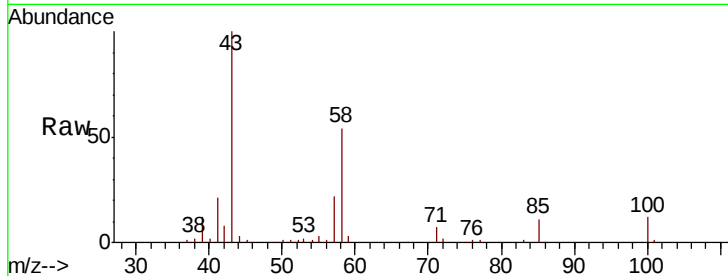




#59
2-Hexanone
Concen: 104.713 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007524.D
Acq: 14 Dec 2018 10:23

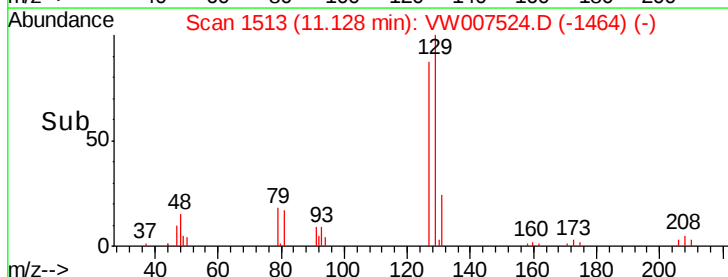
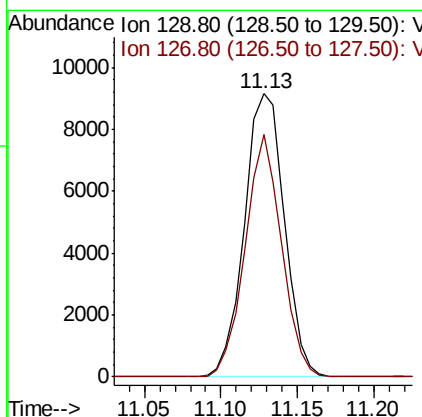
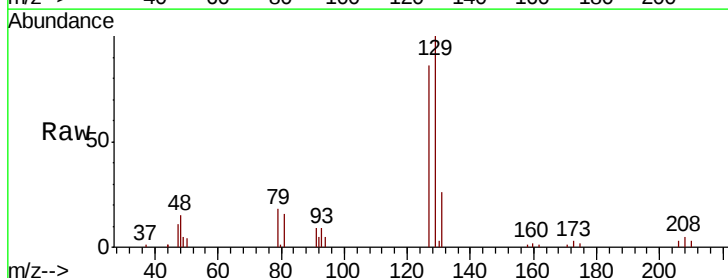
Instrument :
MSVOA_W
ClientSampleId :
VW1217SBS01

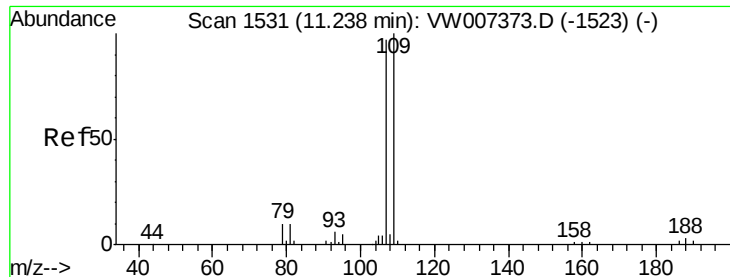
Tot Ion: 43 Resp: 28514
Ion Ratio Lower Upper
43 100
58 55.2 27.1 81.3



#60
Dibromochloromethane
Concen: 22.607 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007524.D
Acq: 14 Dec 2018 10:23

Tgt Ion: 129 Resp: 16659
Ion Ratio Lower Upper
129 100
127 77.5 38.1 114.3

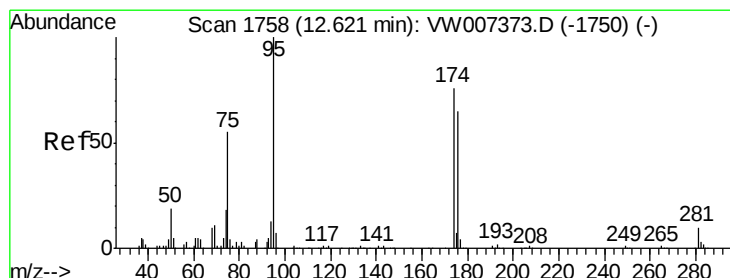
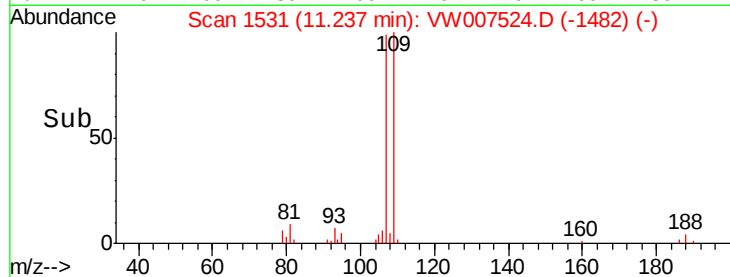
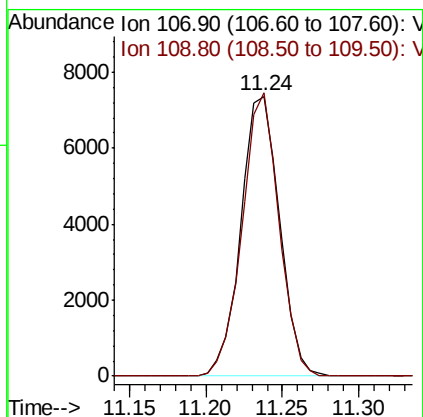
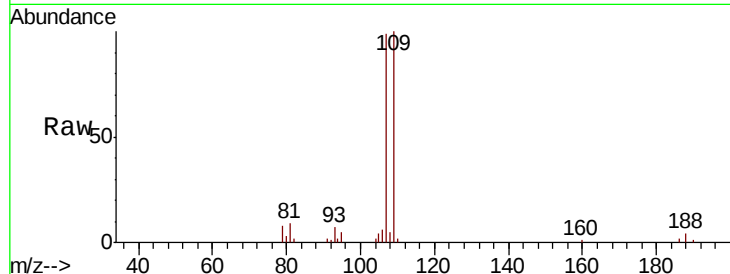




#61
 1,2-Dibromoethane
 Concen: 22.428 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007524.D
 Acq: 14 Dec 2018 10:23

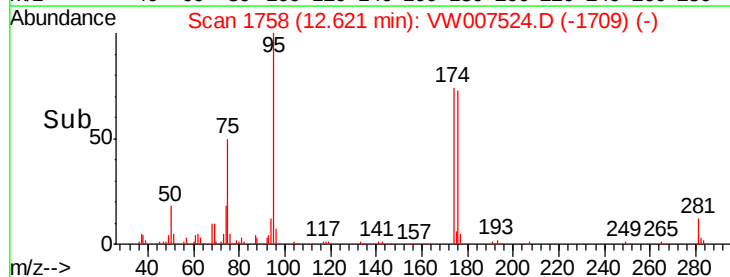
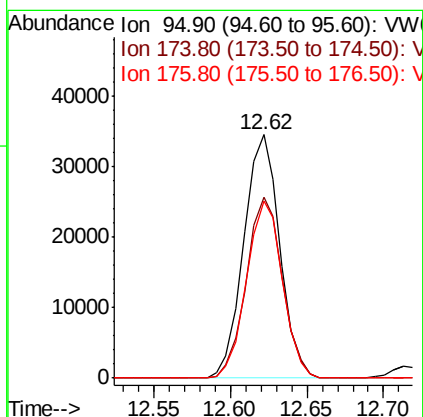
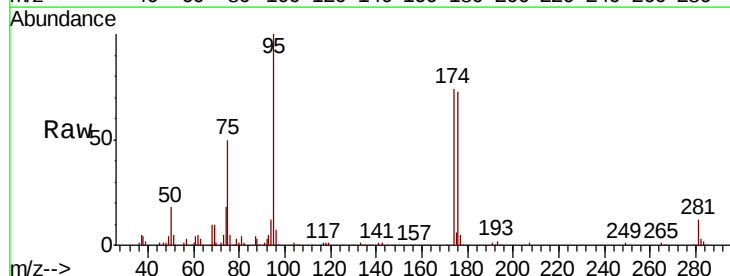
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBS01

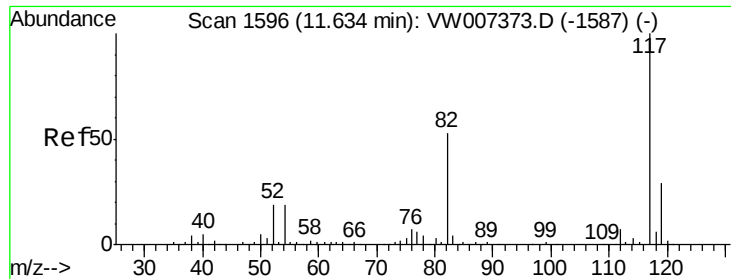
Tot Ion:107 Resp: 12942
 Ion Ratio Lower Upper
 107 100
 109 96.3 79.1 118.7



#62
 4-Bromofluorobenzene
 Concen: 52.252 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007524.D
 Acq: 14 Dec 2018 10:23

Tgt Ion: 95 Resp: 56232
 Ion Ratio Lower Upper
 95 100
 174 74.7 0.0 147.2
 176 72.9 0.0 138.8

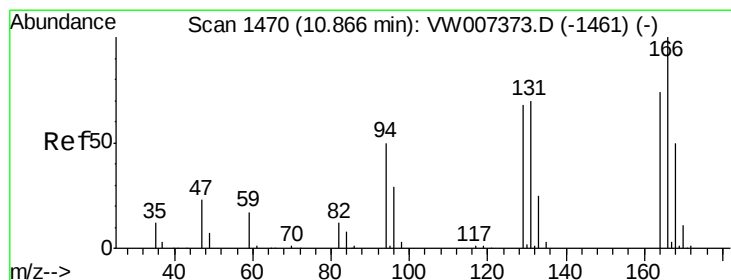
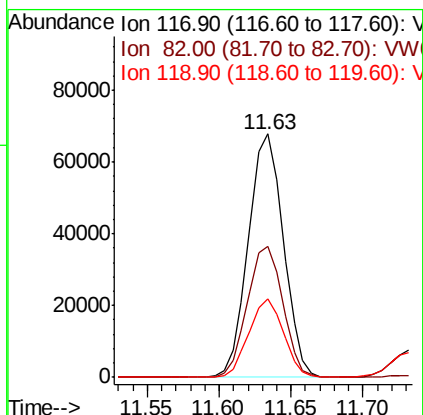
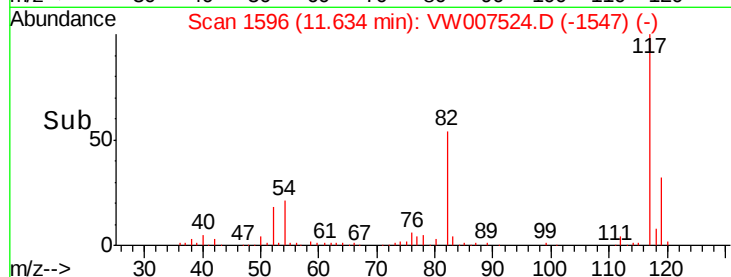
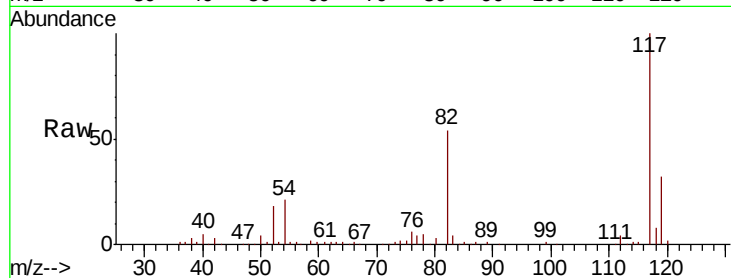




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007524.D
Acq: 14 Dec 2018 10:23

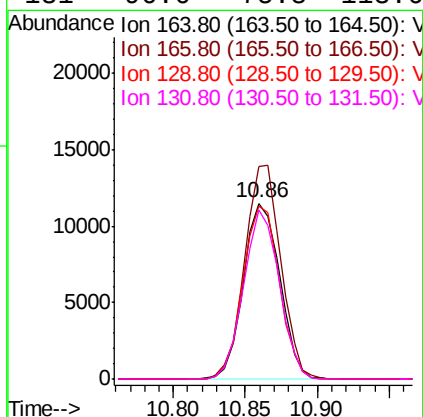
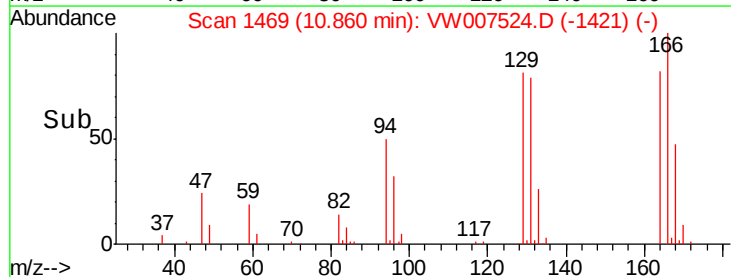
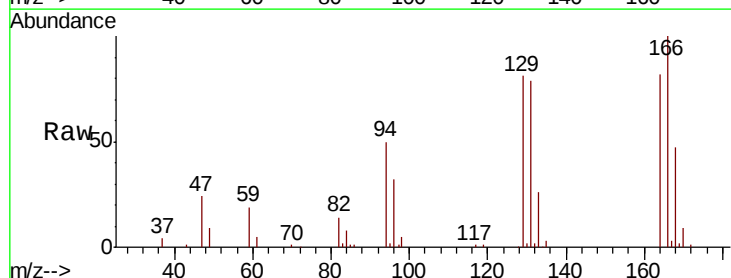
Instrument :
MSVOA_W
ClientSampleId :
VW1217SBS01

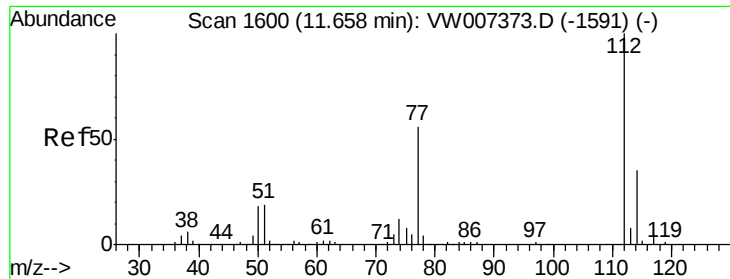
Tot Ion:117 Resp: 114283
Ion Ratio Lower Upper
117 100
82 53.7 42.3 63.5
119 32.2 23.0 34.6



#64
Tetrachloroethene
Concen: 24.417 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW007524.D
Acq: 14 Dec 2018 10:23

Tgt Ion:164 Resp: 20067
Ion Ratio Lower Upper
164 100
166 121.5 107.9 161.9
129 98.7 73.4 110.2
131 96.6 75.8 113.6

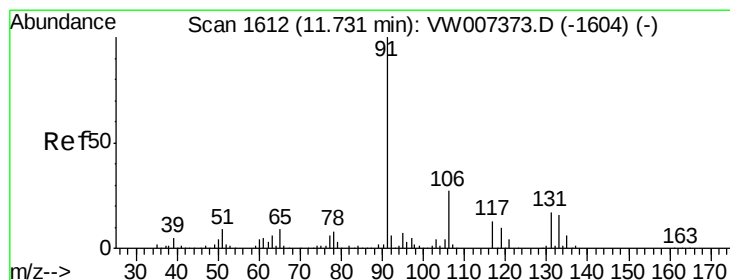
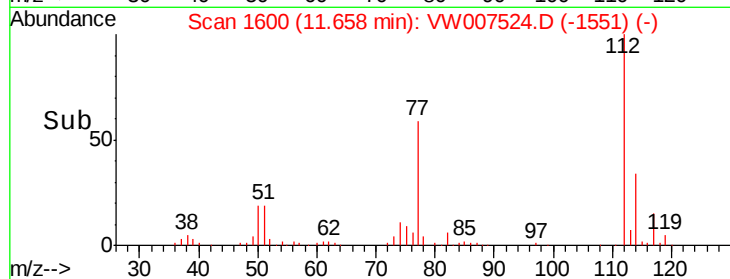
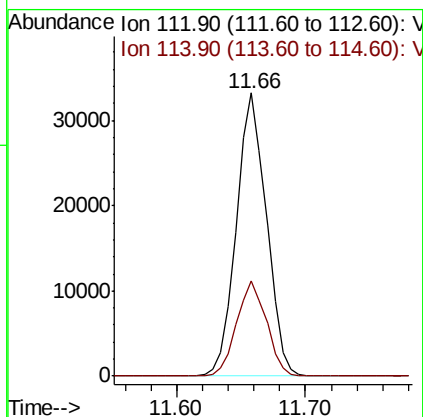
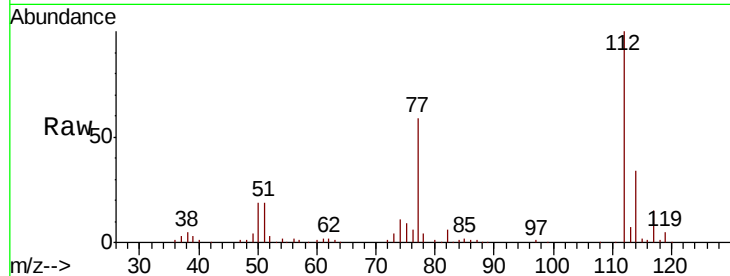




#65
Chlorobenzene
Concen: 22.525 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007524.D
Acq: 14 Dec 2018 10:23

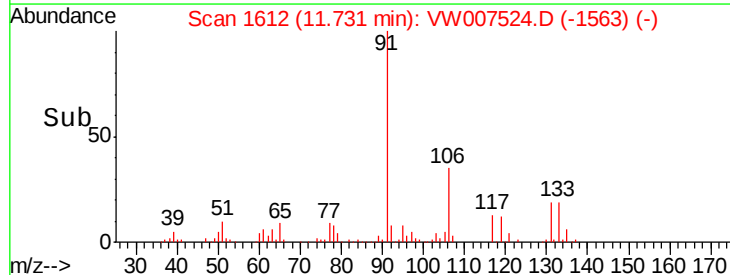
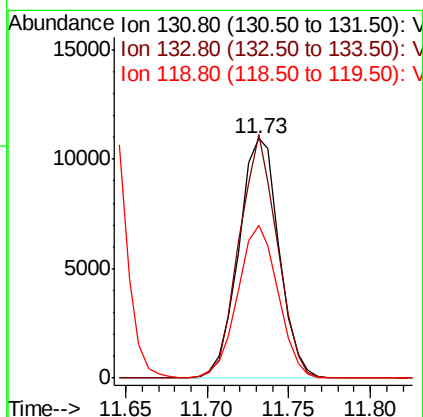
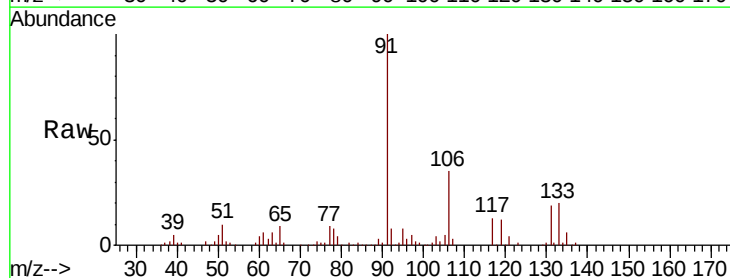
Instrument :
MSVOA_W
ClientSampleId :
VW1217SBS01

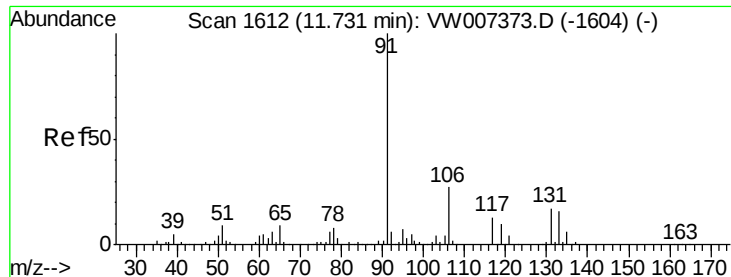
Tot Ion:112 Resp: 53654
Ion Ratio Lower Upper
112 100
114 33.7 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 22.522 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007524.D
Acq: 14 Dec 2018 10:23

Tgt Ion:131 Resp: 18895
Ion Ratio Lower Upper
131 100
133 95.8 47.1 141.4
119 63.8 31.3 93.9

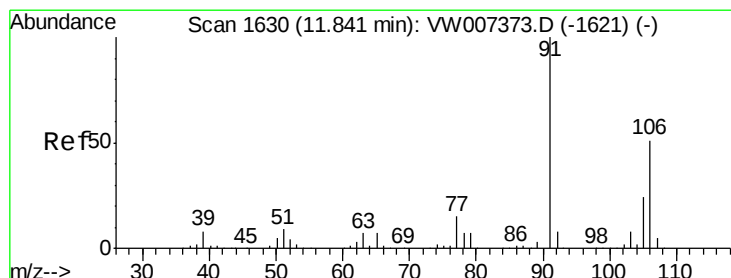
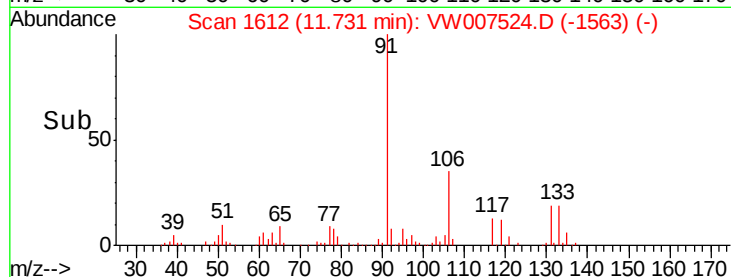
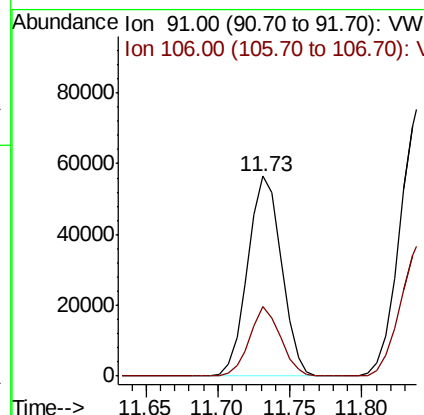
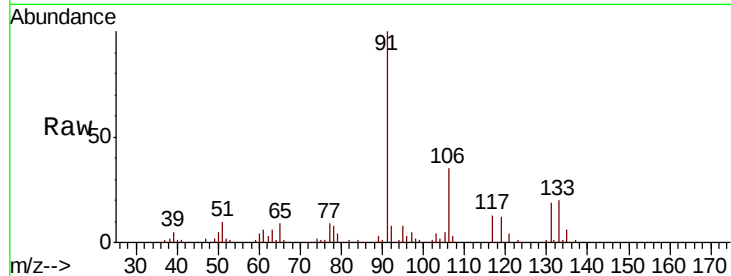




#67
Ethyl Benzene
Concen: 22.452 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007524.D
Acq: 14 Dec 2018 10:23

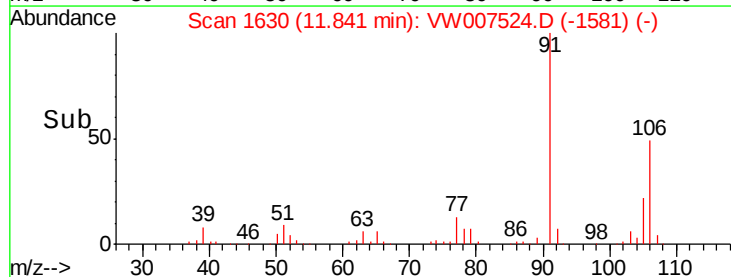
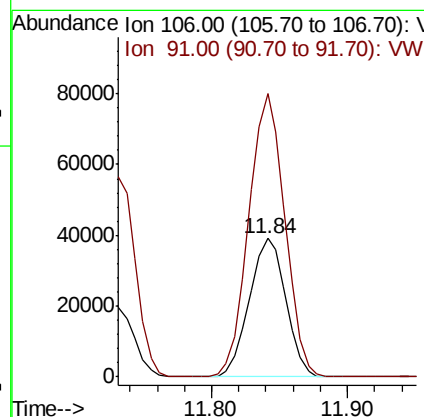
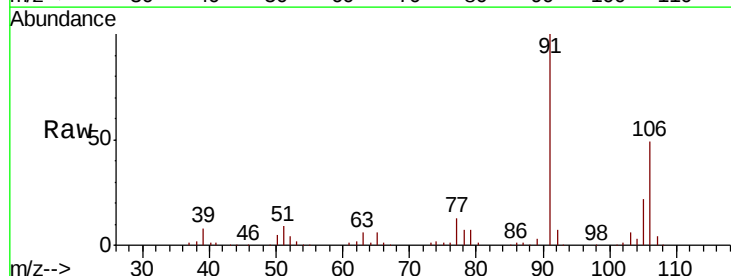
Instrument :
MSVOA_W
ClientSampleId :
VW1217SBS01

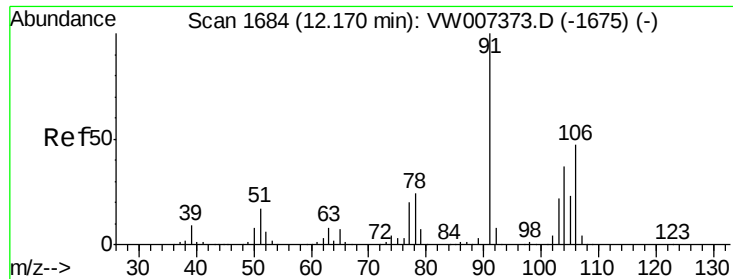
Tot Ion: 91 Resp: 91950
Ion Ratio Lower Upper
91 100
106 34.6 21.8 32.8#



#68
m/p-Xylenes
Concen: 46.252 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007524.D
Acq: 14 Dec 2018 10:23

Tgt Ion:106 Resp: 73637
Ion Ratio Lower Upper
106 100
91 202.0 165.3 247.9

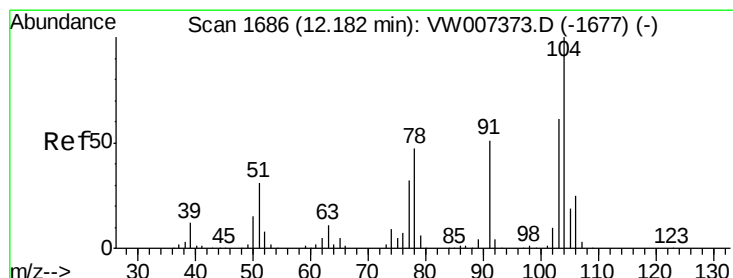
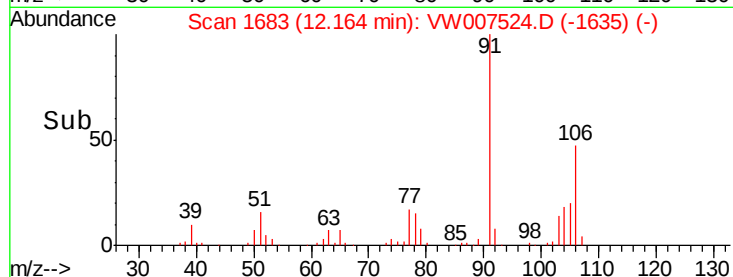
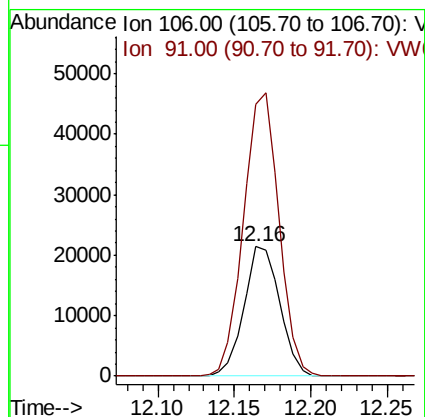
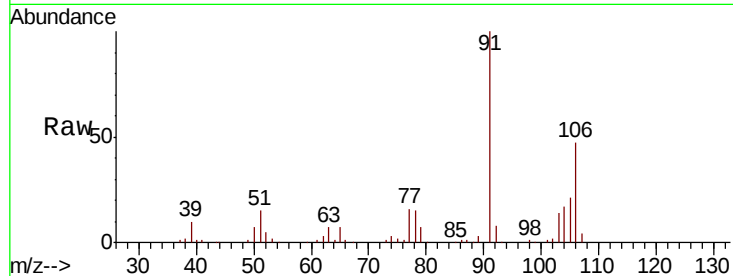




#69
o-Xylene
Concen: 23.443 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW007524.D
Acq: 14 Dec 2018 10:23

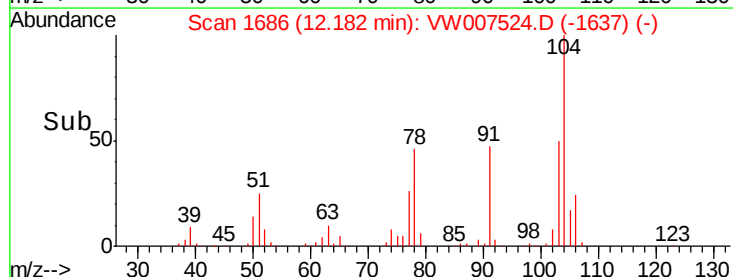
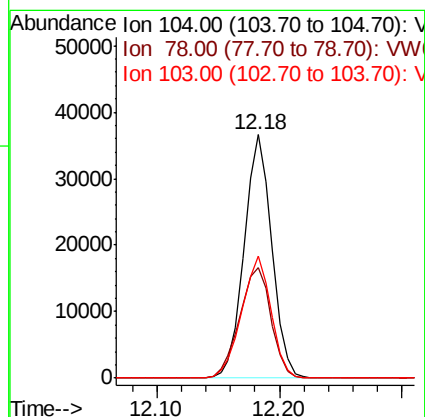
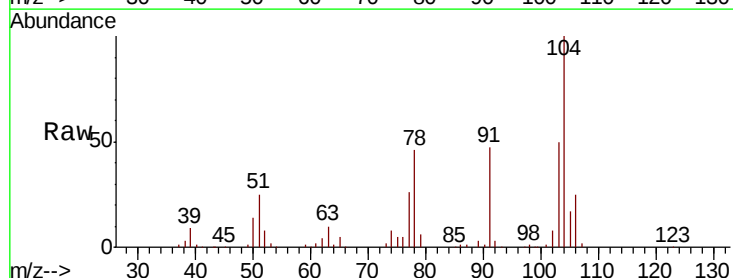
Instrument :
MSVOA_W
ClientSampleId :
VW1217SBS01

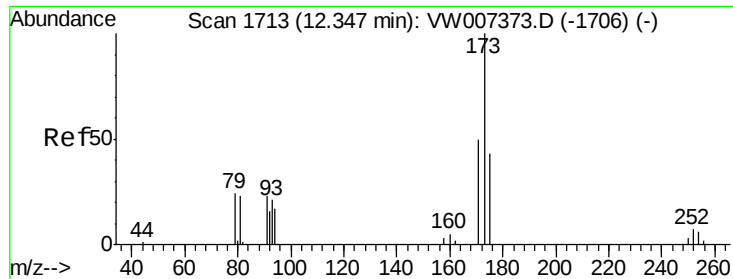
Tot Ion:106 Resp: 34857
Ion Ratio Lower Upper
106 100
91 216.6 106.6 319.8



#70
Styrene
Concen: 23.900 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007524.D
Acq: 14 Dec 2018 10:23

Tgt Ion:104 Resp: 57400
Ion Ratio Lower Upper
104 100
78 51.7 41.8 62.8
103 53.6 46.6 69.8

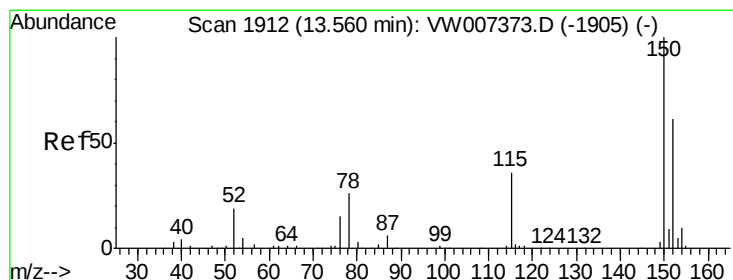
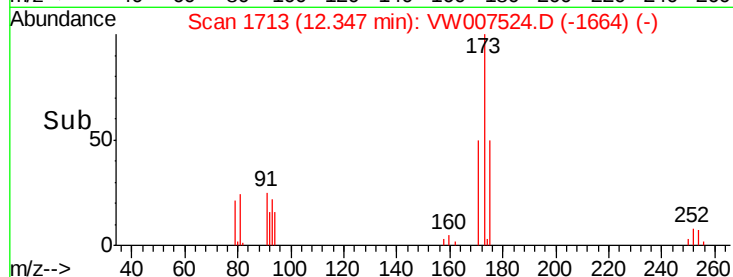
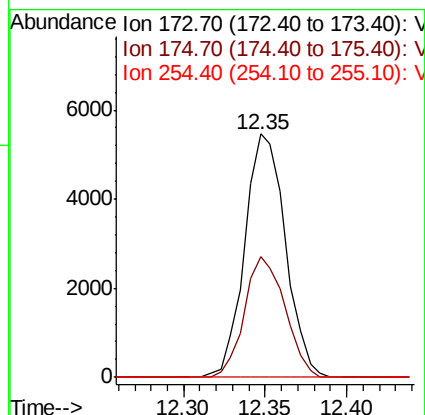
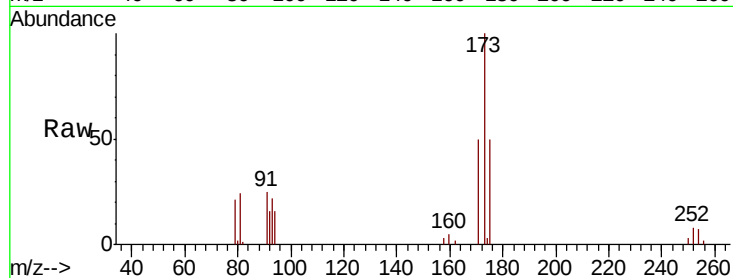




#71
Bromoform
Concen: 22.068 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW007524.D
Acq: 14 Dec 2018 10:23

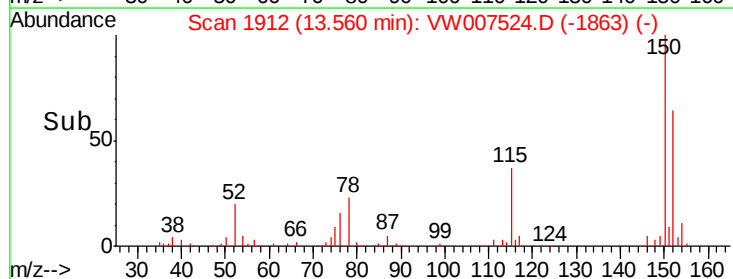
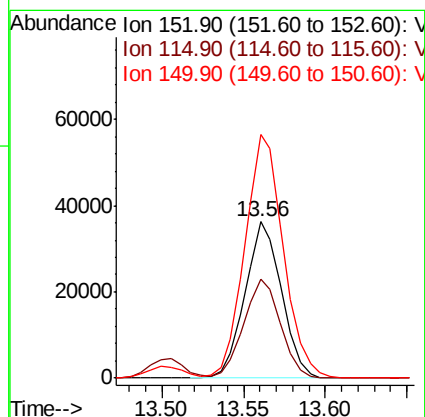
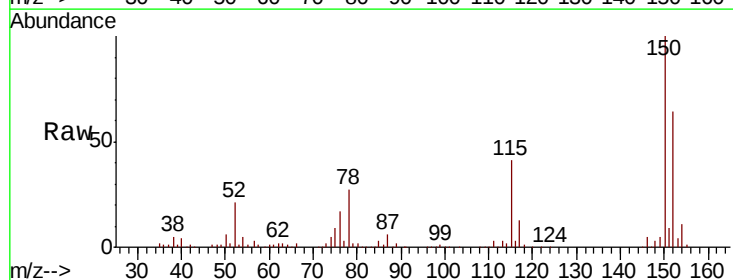
Instrument :
MSVOA_W
ClientSampleId :
VW1217SBS01

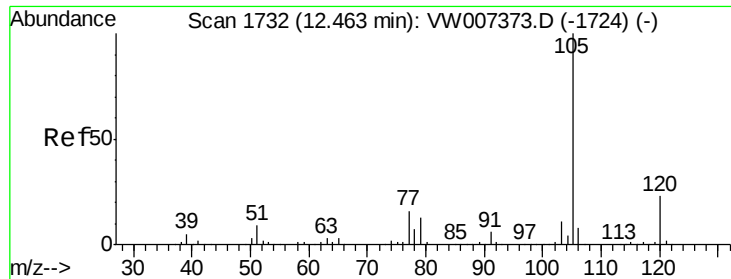
Tot Ion:173 Resp: 9476
Ion Ratio Lower Upper
173 100
175 49.1 23.6 70.8
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007524.D
Acq: 14 Dec 2018 10:23

Tgt Ion:152 Resp: 56164
Ion Ratio Lower Upper
152 100
115 63.8 31.4 94.2
150 164.9 0.0 358.4





#73

Isopropylbenzene

Concen: 22.527 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007524.D

Acq: 14 Dec 2018 10:23

Instrument :

MSVOA_W

ClientSampleId :

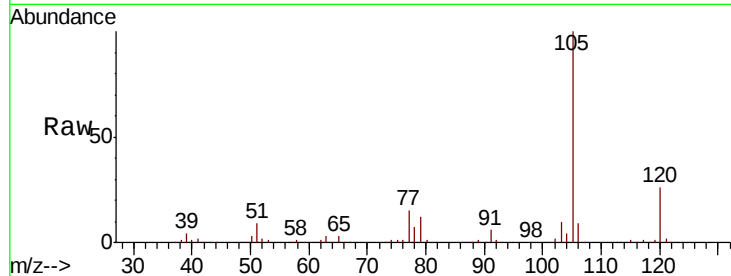
VW1217SBS01

Tot Ion:105 Resp: 96944

Ion Ratio Lower Upper

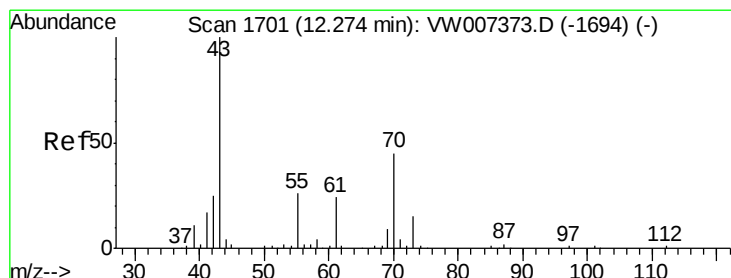
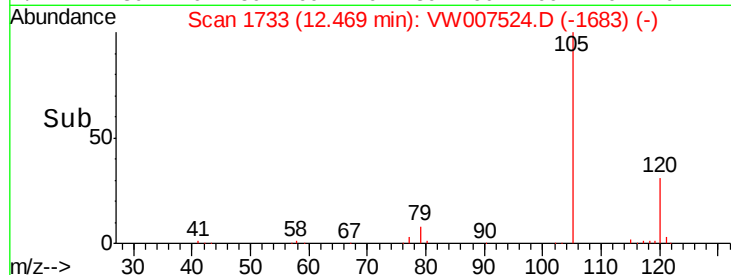
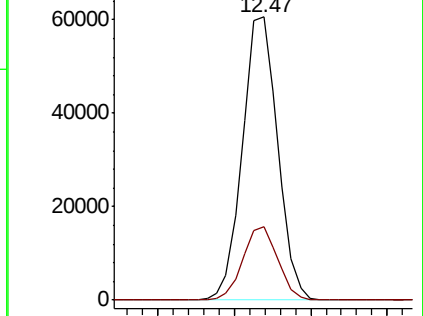
105 100

120 25.7 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.801 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007524.D

Acq: 14 Dec 2018 10:23

Tgt Ion: 43 Resp: 16269

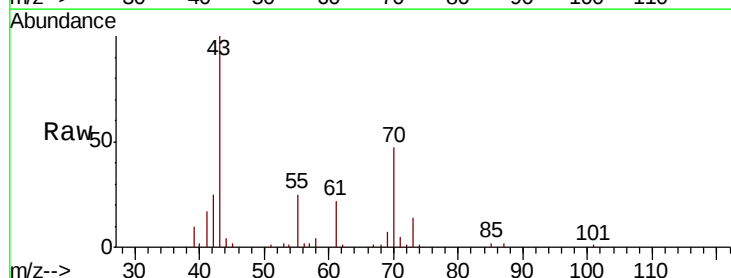
Ion Ratio Lower Upper

43 100

70 46.5 36.5 54.7

55 25.9 20.1 30.1

61 25.3 19.3 28.9

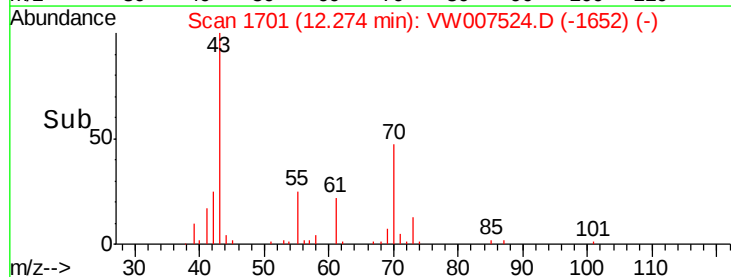
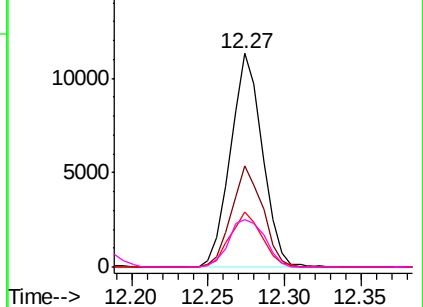


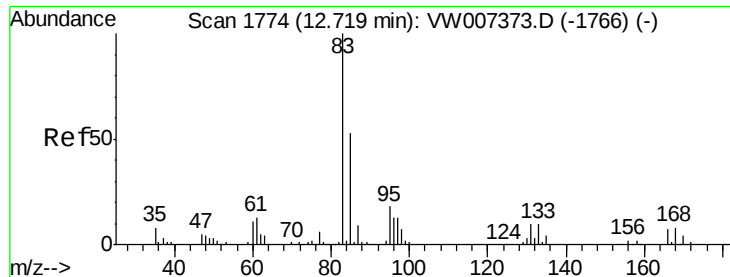
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 22.349 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW007524.D

Acq: 14 Dec 2018 10:23

Instrument :

MSVOA_W

ClientSampled :

VW1217SBS01

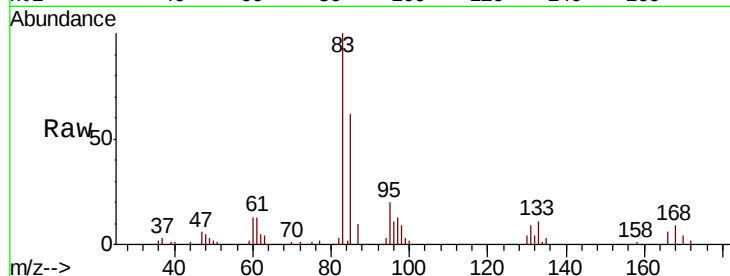
Tot Ion: 83 Resp: 14245

Ion Ratio Lower Upper

83 100

131 12.1 5.9 17.8

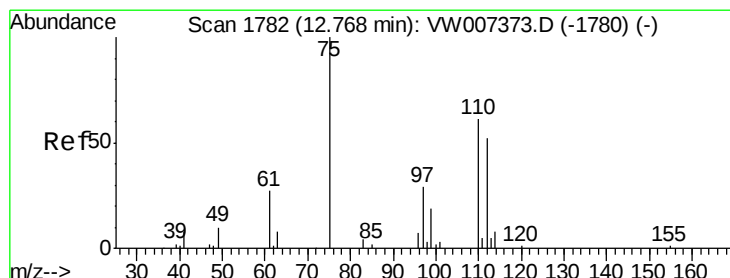
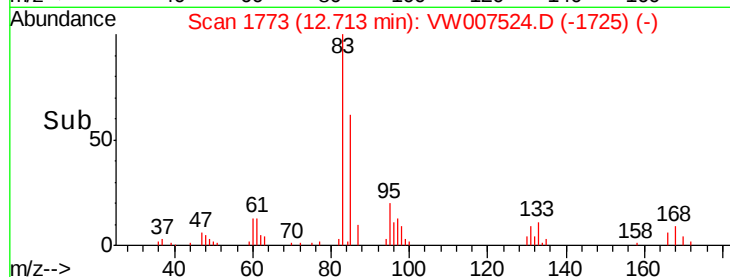
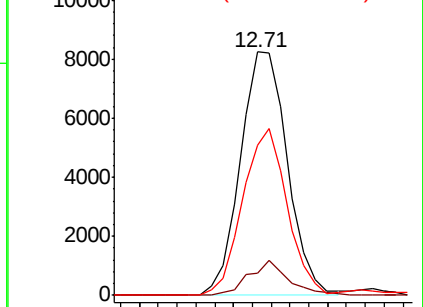
85 64.9 30.0 90.0



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: 41.834 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW007524.D

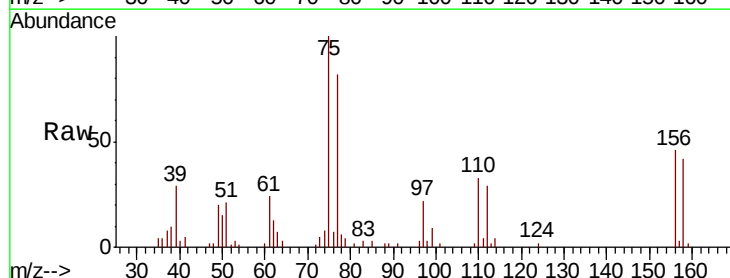
Acq: 14 Dec 2018 10:23

Tgt Ion: 75 Resp: 19373

Ion Ratio Lower Upper

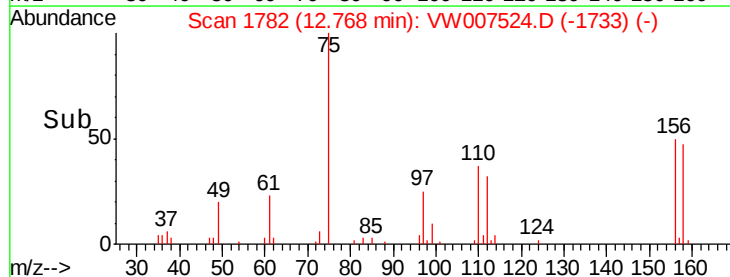
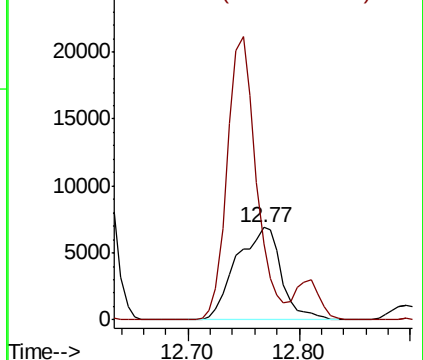
75 100

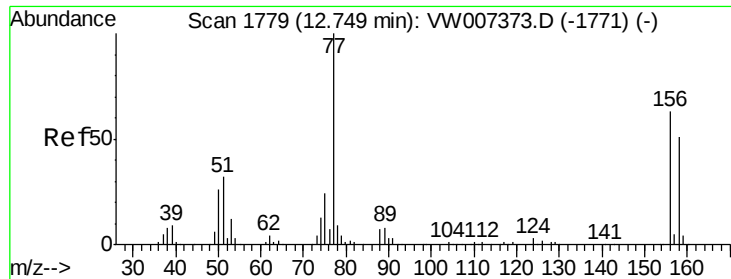
77 198.0 166.9 500.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 22.191 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007524.D

Acq: 14 Dec 2018 10:23

Instrument :

MSVOA_W

ClientSampleId :

VW1217SBS01

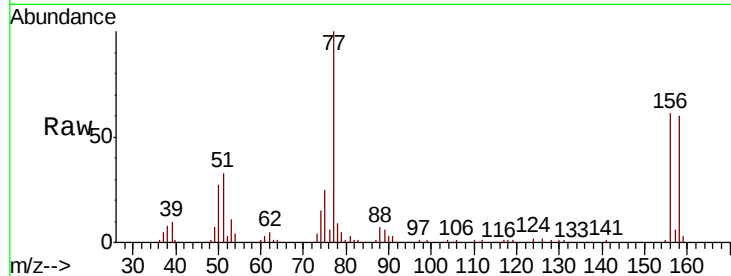
Tot Ion:156 Resp: 21168

Ion Ratio Lower Upper

156 100

77 181.2 88.1 264.4

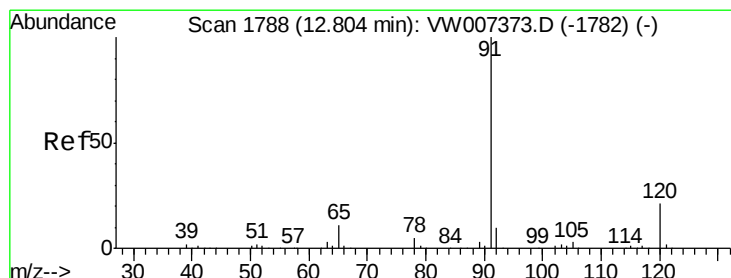
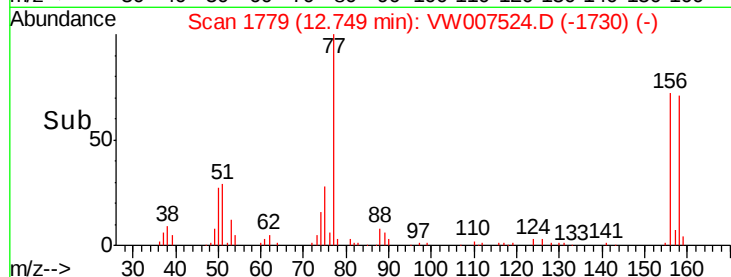
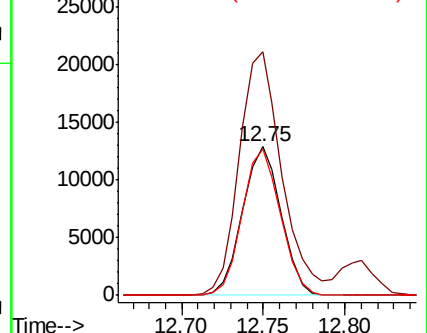
158 97.9 45.6 136.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 23.045 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW007524.D

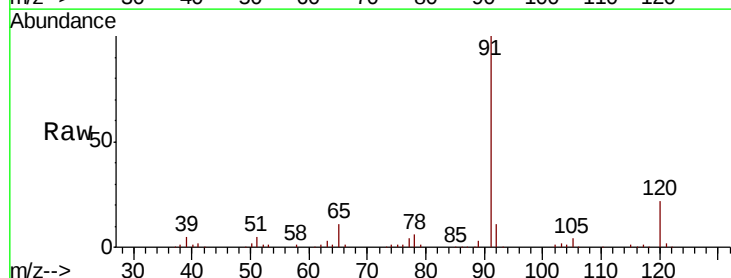
Acq: 14 Dec 2018 10:23

Tgt Ion: 91 Resp: 111611

Ion Ratio Lower Upper

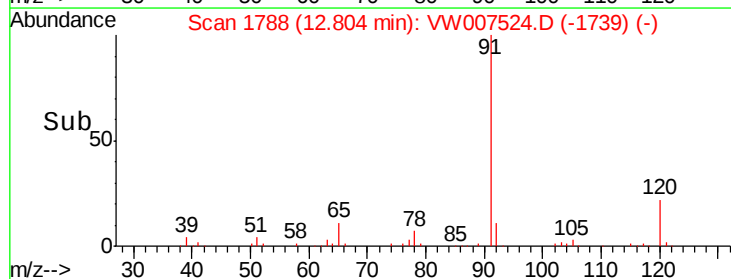
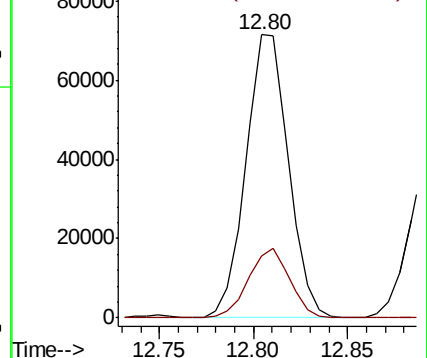
91 100

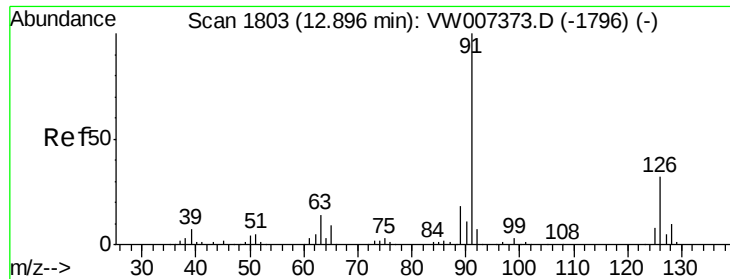
120 23.8 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.546 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW007524.D

Acq: 14 Dec 2018 10:23

Instrument :

MSVOA_W

ClientSampleId :

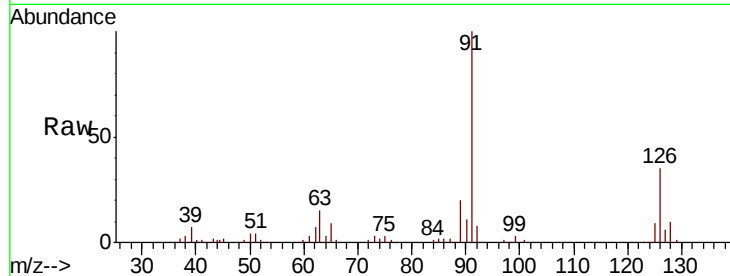
VW1217SBS01

Tot Ion: 91 Resp: 66071

Ion Ratio Lower Upper

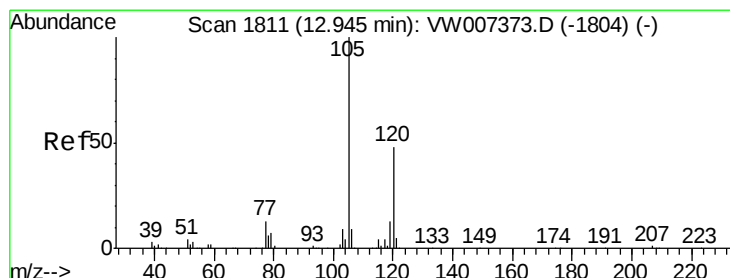
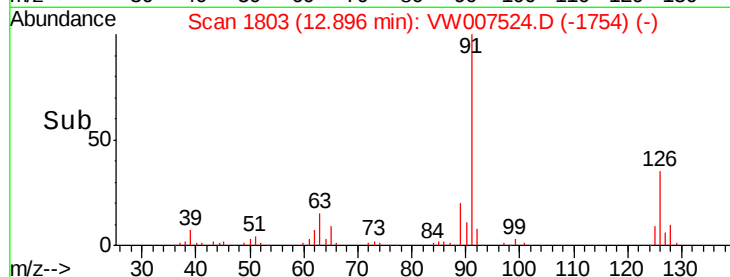
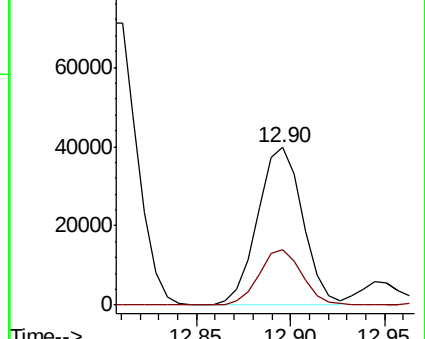
91 100

126 33.6 15.9 47.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 22.624 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW007524.D

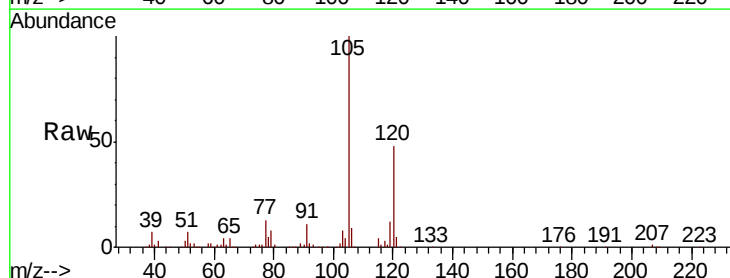
Acq: 14 Dec 2018 10:23

Tgt Ion:105 Resp: 81807

Ion Ratio Lower Upper

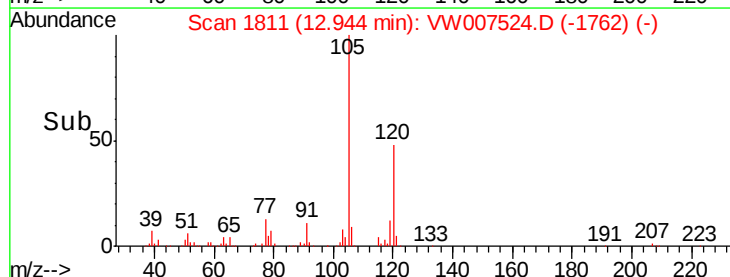
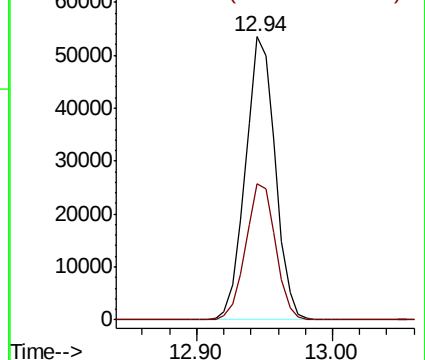
105 100

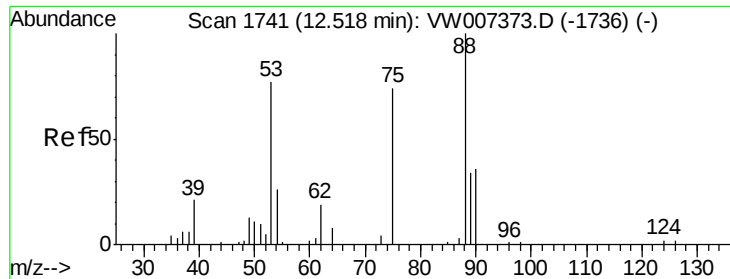
120 48.2 23.8 71.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

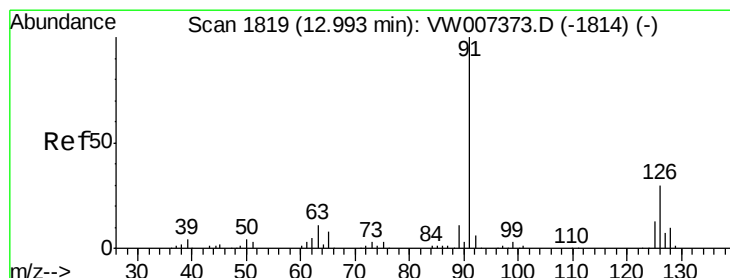
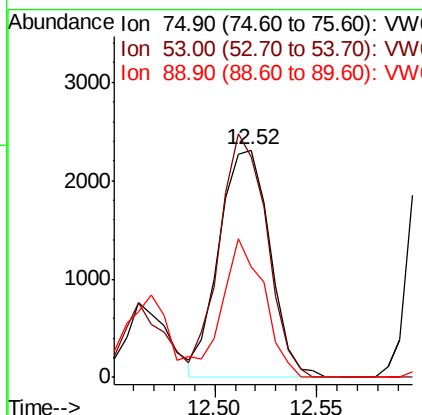
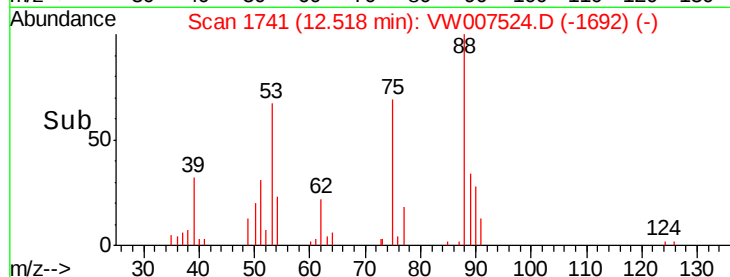
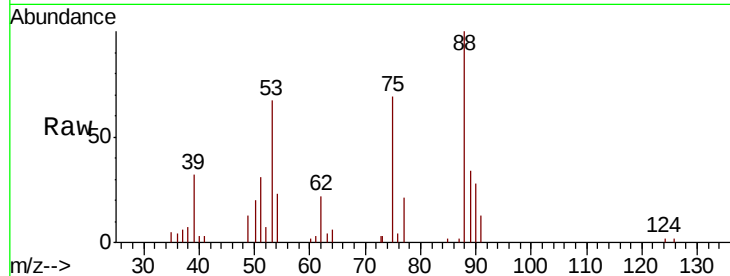




#81
trans-1,4-Dichloro-2-butene
Concen: 19.066 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VW007524.D
Acq: 14 Dec 2018 10:23

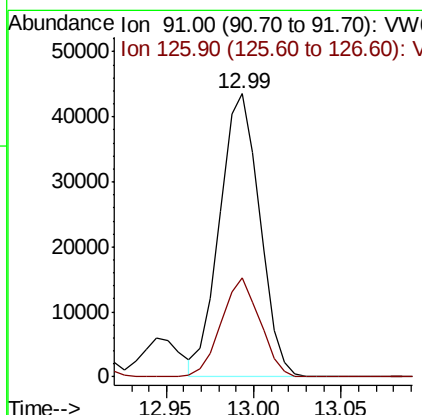
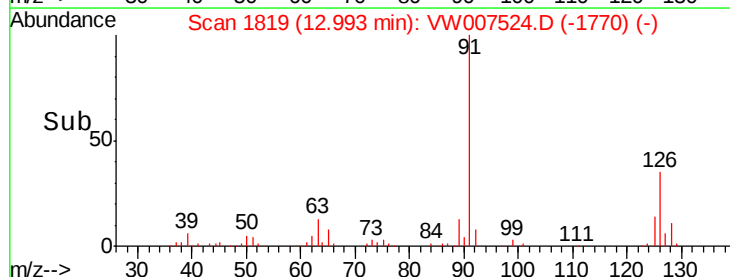
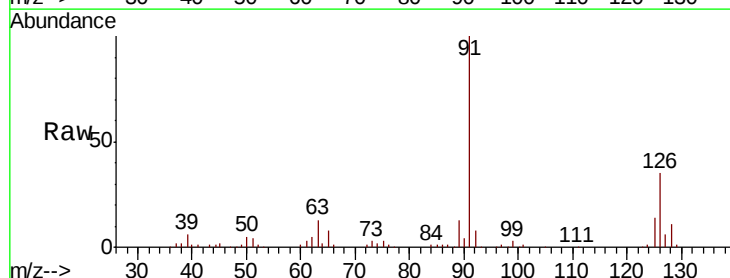
Instrument :
MSVOA_W
ClientSampleId :
VW1217SBS01

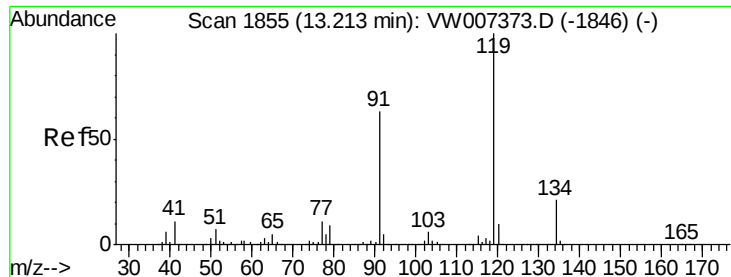
Tot Ion: 75 Resp: 3997
Ion Ratio Lower Upper
75 100
53 99.6 84.9 127.3
89 48.4 40.3 60.5



#82
4-Chlorotoluene
Concen: 22.473 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007524.D
Acq: 14 Dec 2018 10:23

Tgt Ion: 91 Resp: 69421
Ion Ratio Lower Upper
91 100
126 34.0 16.0 48.0

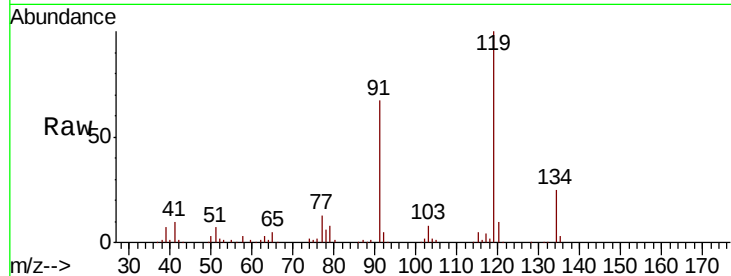




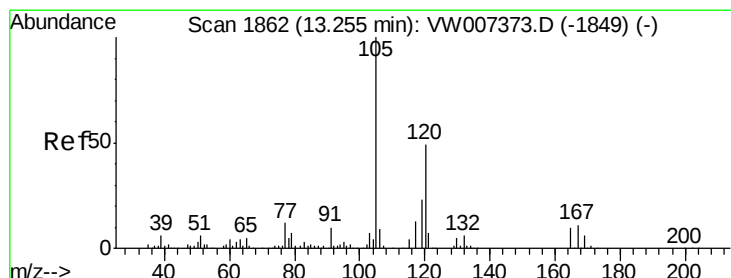
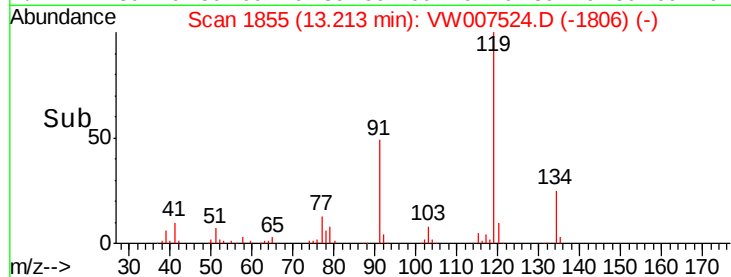
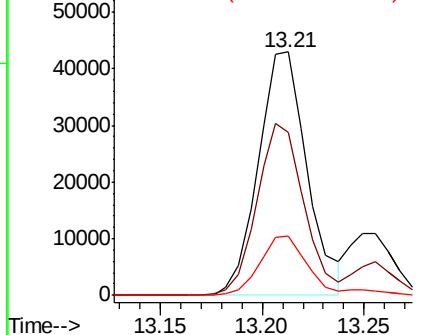
#83
tert-Butylbenzene
Concen: 22.474 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW007524.D
Acq: 14 Dec 2018 10:23

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBS01

Tot Ion:119 Resp: 71608
Ion Ratio Lower Upper
119 100
91 67.9 33.1 99.2
134 25.1 12.5 37.5

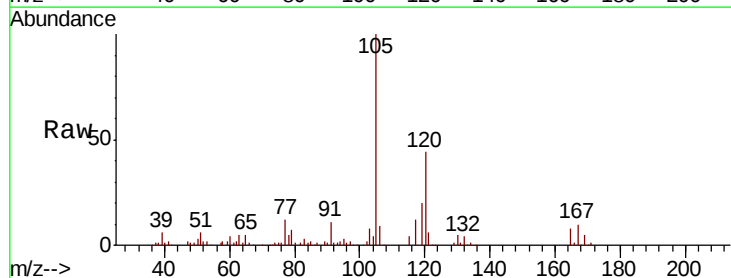


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

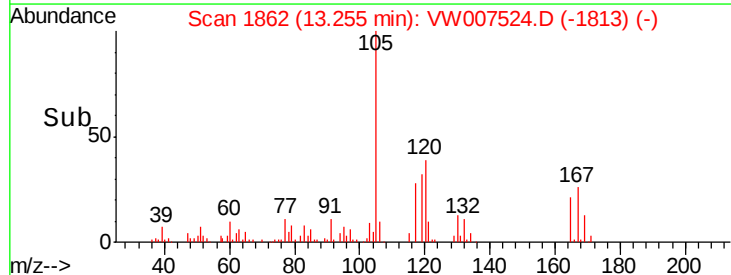
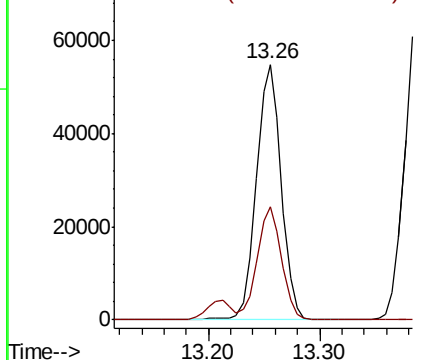


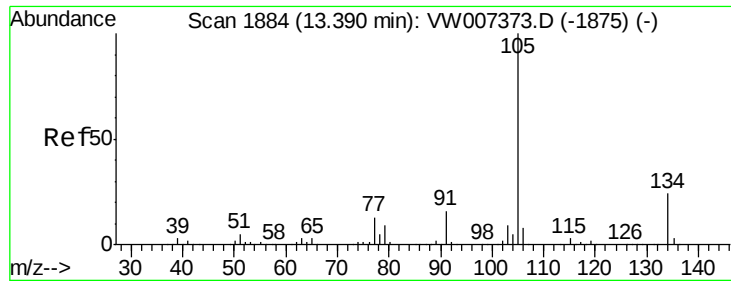
#84
1,2,4-Trimethylbenzene
Concen: 22.843 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007524.D
Acq: 14 Dec 2018 10:23

Tgt Ion:105 Resp: 85000
Ion Ratio Lower Upper
105 100
120 43.5 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

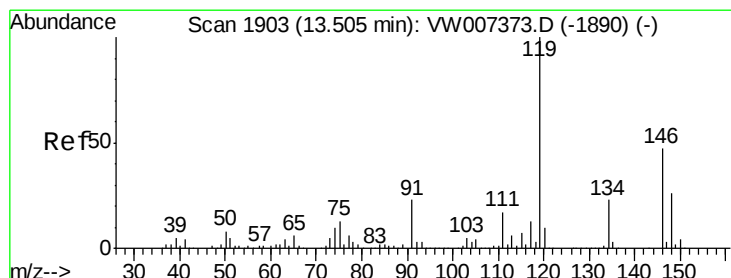
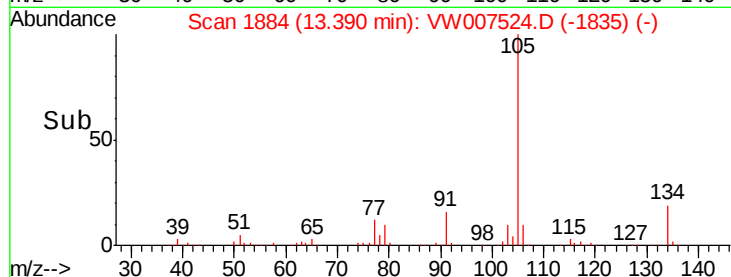
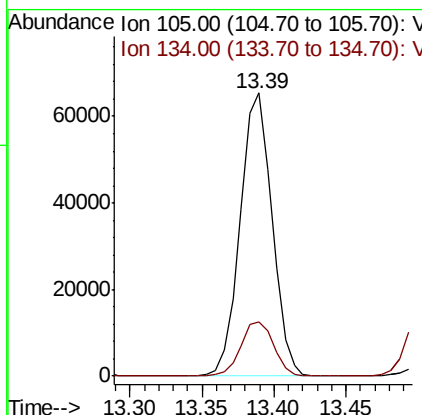
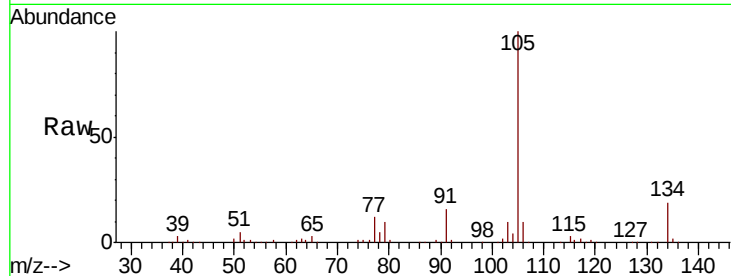




#85
 sec-Butylbenzene
 Concen: 23.059 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007524.D
 Acq: 14 Dec 2018 10:23

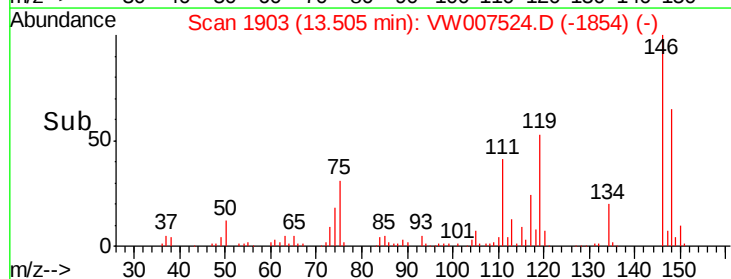
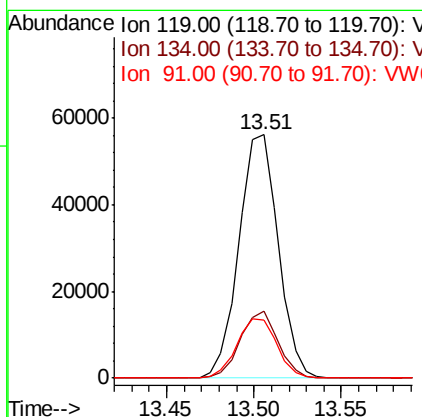
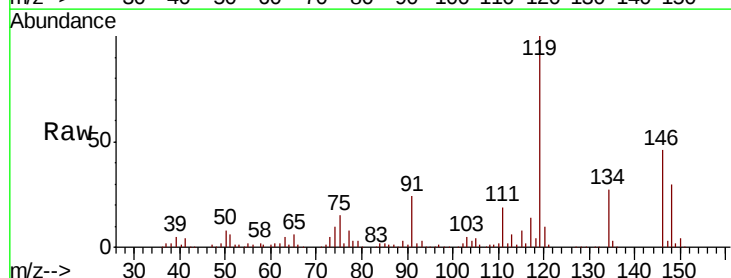
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBS01

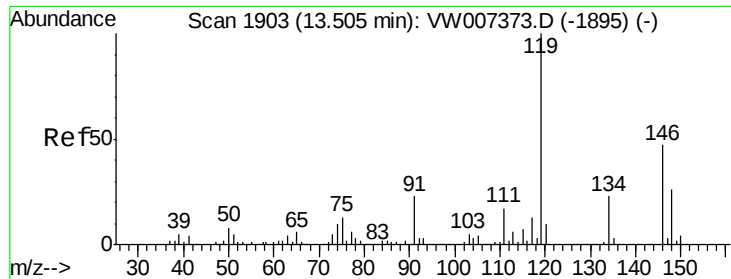
Tot Ion:105 Resp: 100295
 Ion Ratio Lower Upper
 105 100
 134 19.8 11.1 33.3



#86
 p-Isopropyltoluene
 Concen: 22.463 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007524.D
 Acq: 14 Dec 2018 10:23

Tgt Ion:119 Resp: 87776
 Ion Ratio Lower Upper
 119 100
 134 26.2 12.9 38.7
 91 25.1 11.9 35.9

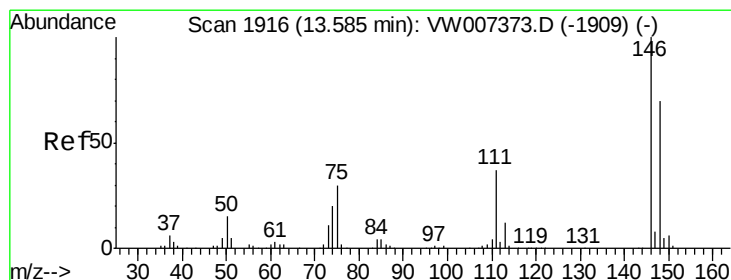
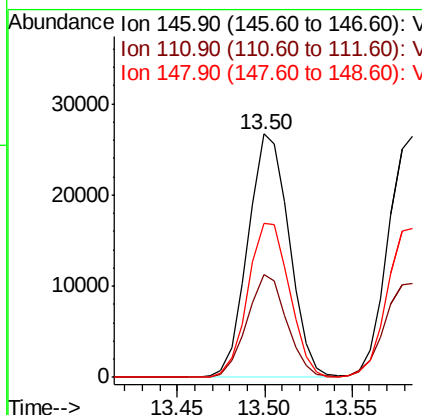
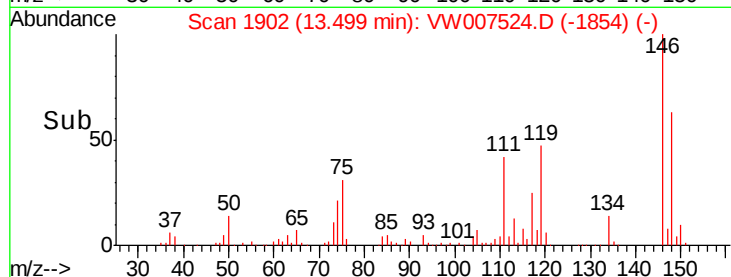
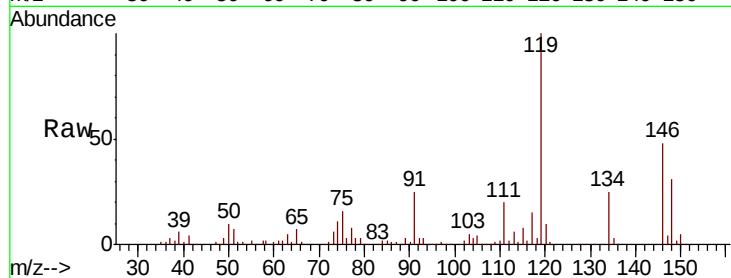




#87
 1,3-Dichlorobenzene
 Concen: 23.029 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW007524.D
 Acq: 14 Dec 2018 10:23

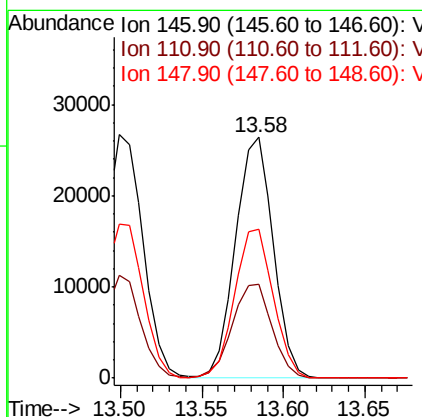
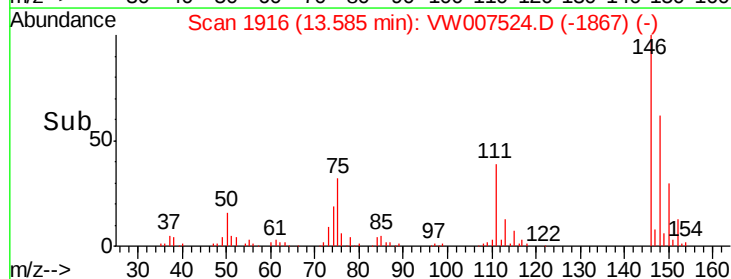
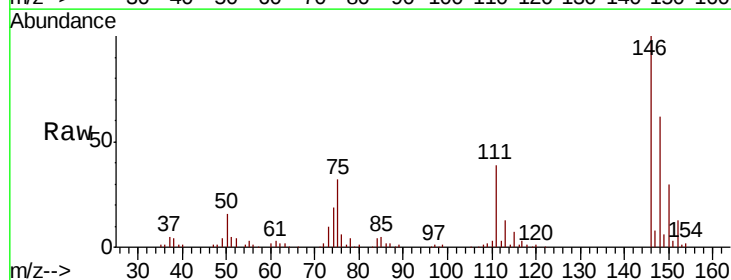
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBS01

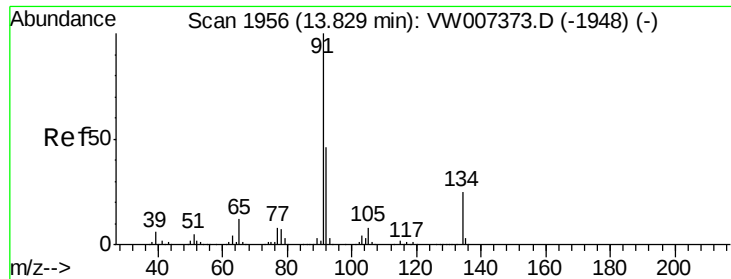
Tot Ion:146 Resp: 43800
 Ion Ratio Lower Upper
 146 100
 111 40.6 20.1 60.3
 148 63.7 31.4 94.0



#88
 1,4-Dichlorobenzene
 Concen: 22.303 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW007524.D
 Acq: 14 Dec 2018 10:23

Tgt Ion:146 Resp: 42645
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.3 61.0
 148 63.1 33.5 100.5

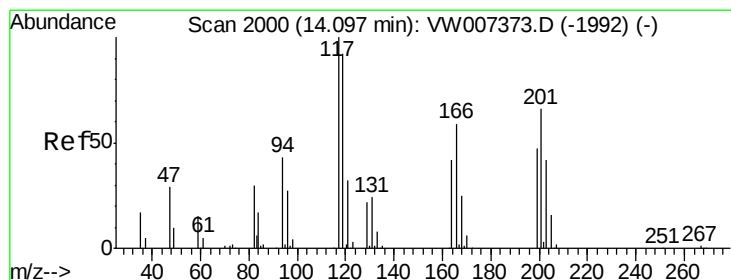
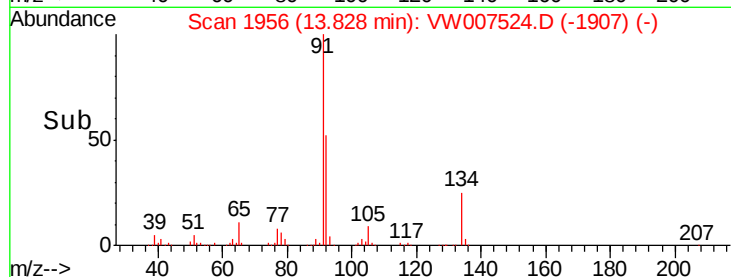
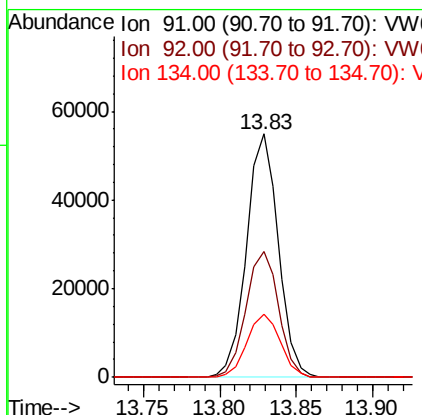
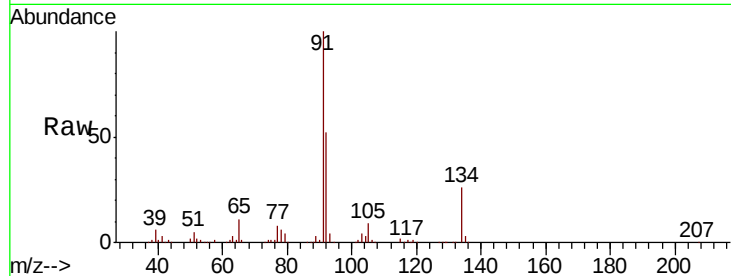




#89
n-Butylbenzene
Concen: 21.865 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007524.D
Acq: 14 Dec 2018 10:23

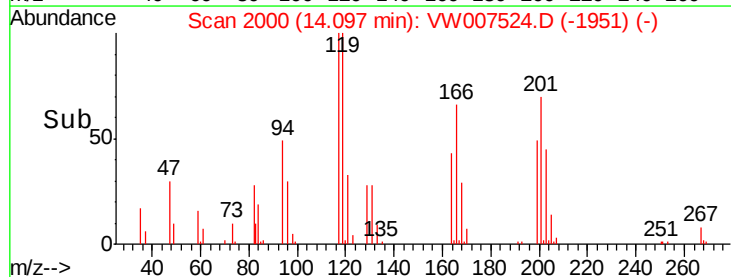
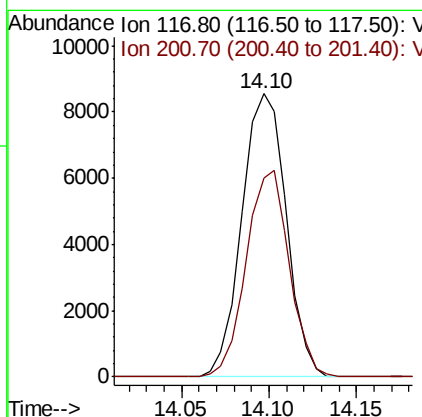
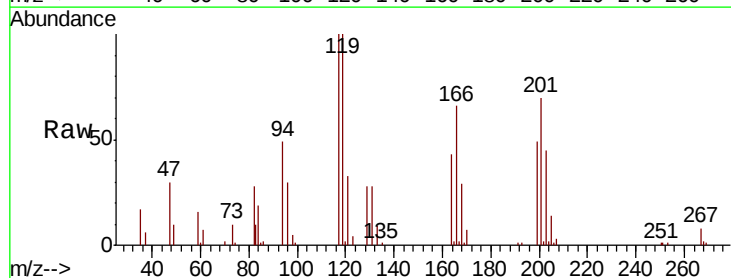
Instrument :
MSVOA_W
ClientSampleId :
VW1217SBS01

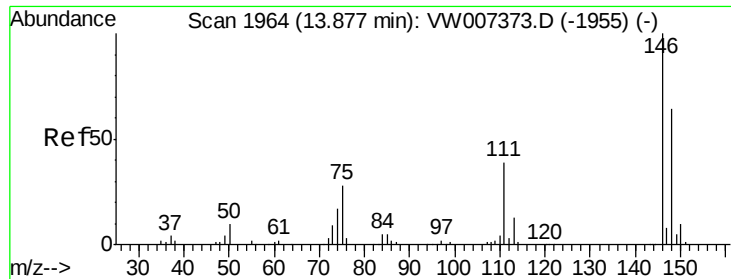
Tot Ion: 91 Resp: 79206
Ion Ratio Lower Upper
91 100
92 53.2 25.7 77.1
134 27.2 13.4 40.2



#90
Hexachloroethane
Concen: 21.825 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW007524.D
Acq: 14 Dec 2018 10:23

Tgt Ion: 117 Resp: 15174
Ion Ratio Lower Upper
117 100
201 70.9 35.3 105.9

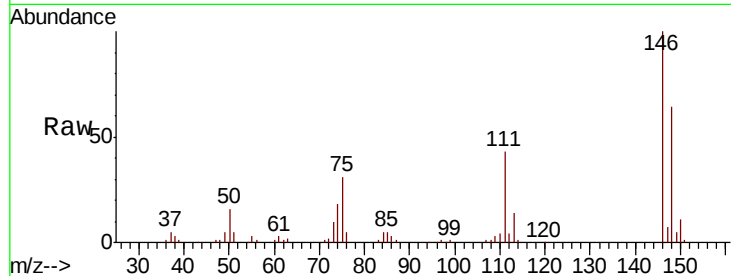




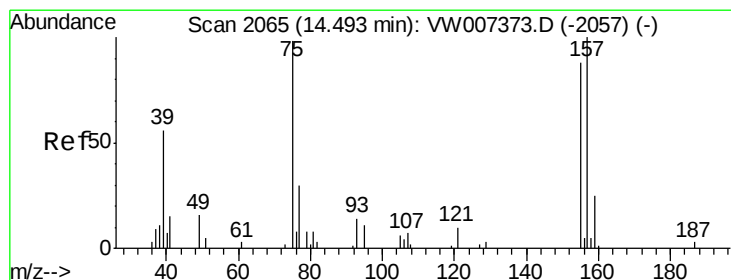
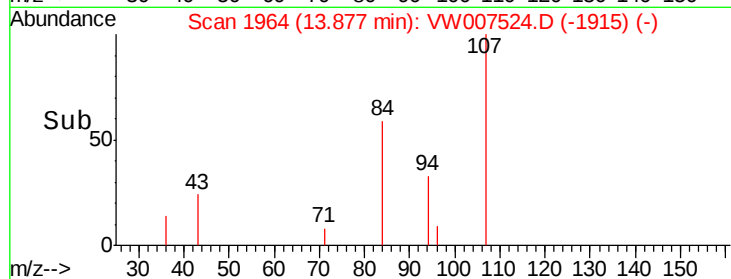
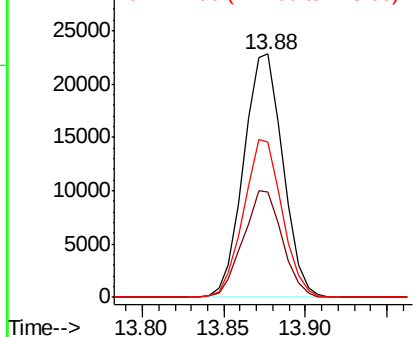
#91
 1,2-Dichlorobenzene
 Concen: 22.384 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW007524.D
 Acq: 14 Dec 2018 10:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBS01

Tot Ion:146 Resp: 38130
 Ion Ratio Lower Upper
 146 100
 111 43.9 22.4 67.2
 148 63.7 32.4 97.2

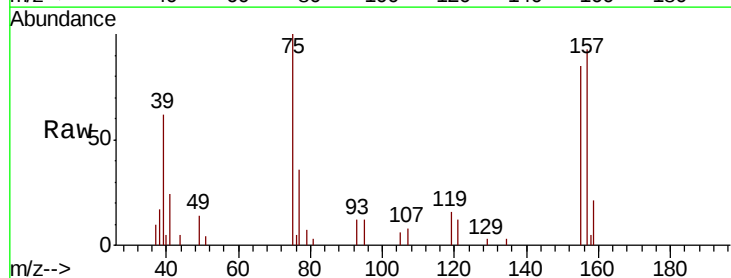


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

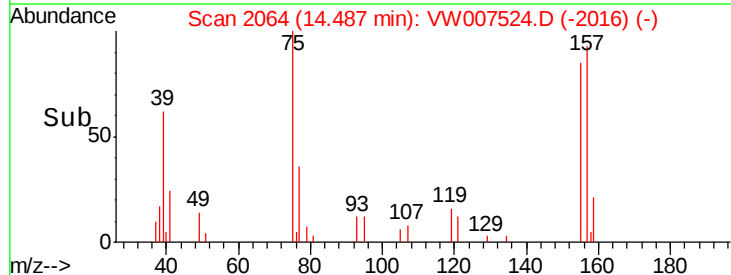
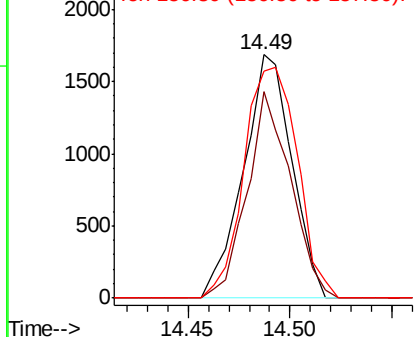


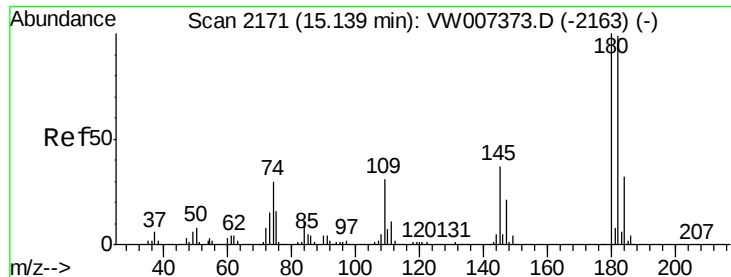
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.827 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW007524.D
 Acq: 14 Dec 2018 10:23

Tgt Ion: 75 Resp: 2792
 Ion Ratio Lower Upper
 75 100
 155 76.2 40.8 122.2
 157 104.5 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

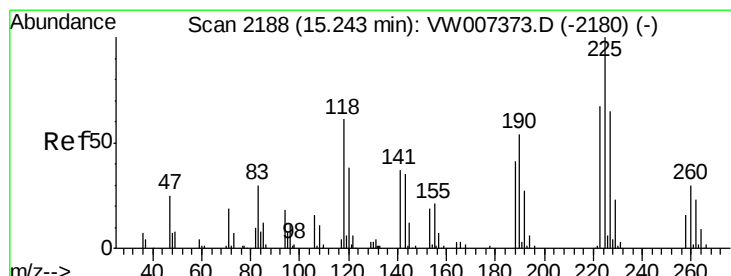
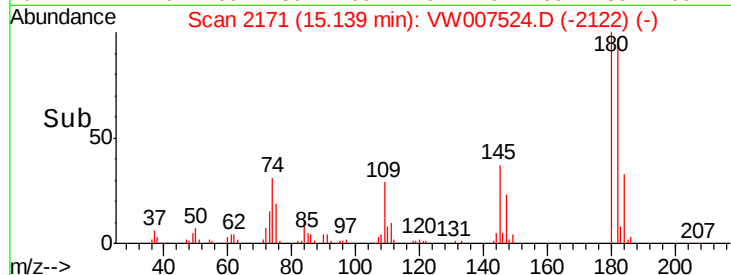
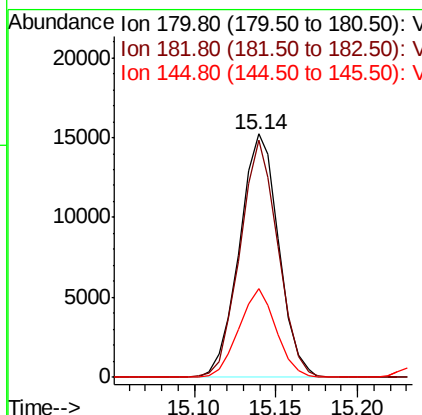
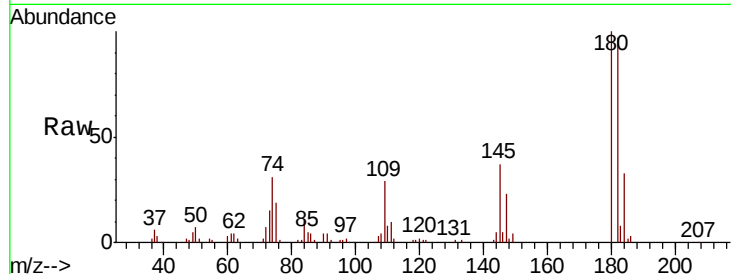




#93
1,2,4-Trichlorobenzene
Concen: 21.707 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW007524.D
Acq: 14 Dec 2018 10:23

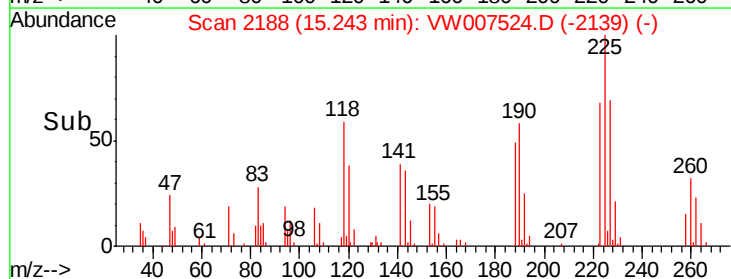
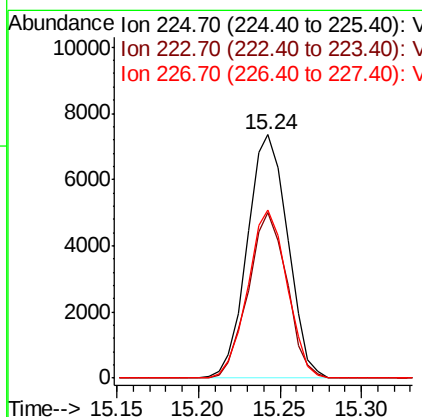
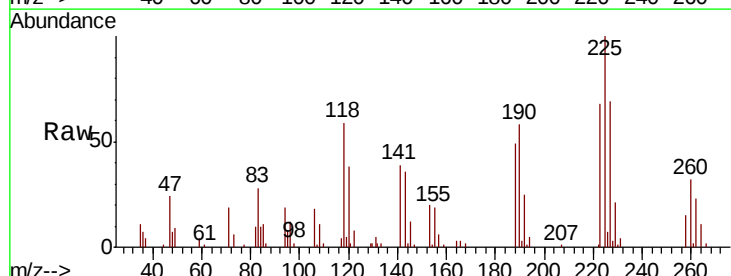
Instrument :
MSVOA_W
ClientSampleId :
VW1217SBS01

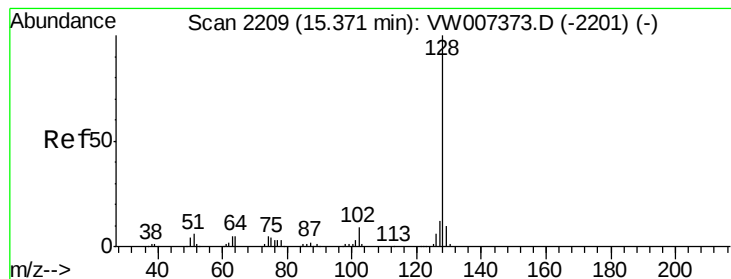
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	49.9	149.6
145	34.6	17.8	53.4



#94
Hexachlorobutadiene
Concen: 20.472 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW007524.D
Acq: 14 Dec 2018 10:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.7	32.1	96.3
227	66.7	31.9	95.9





#95

Naphthalene

Concen: 21.692 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW007524.D

Acq: 14 Dec 2018 10:23

Instrument :

MSVOA_W

ClientSampleId :

VW1217SBS01

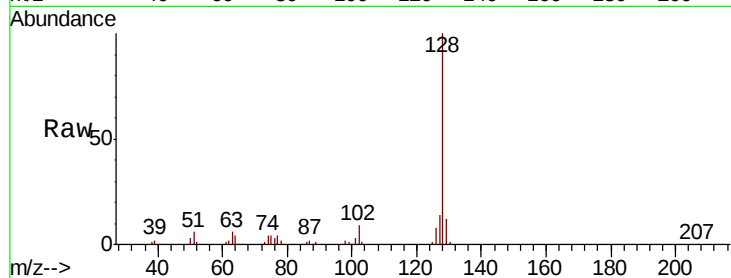
Tot Ion:128 Resp: 48647

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

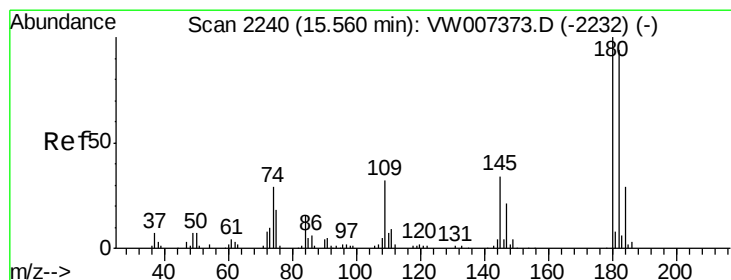
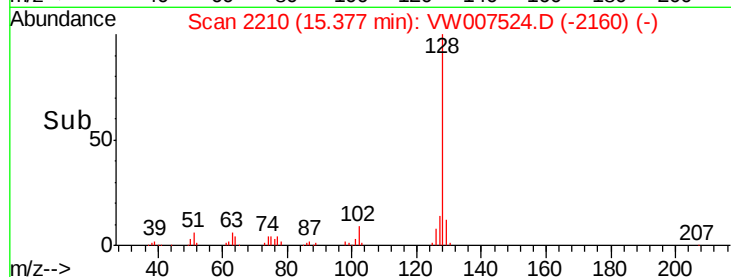
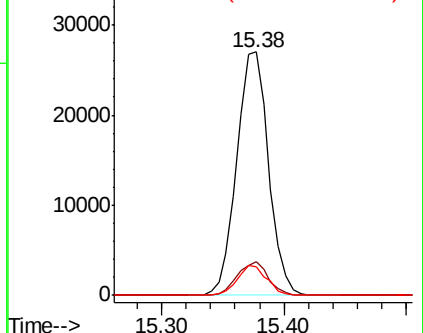
129 11.5 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.445 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. 0.01 min

Lab File: VW007524.D

Acq: 14 Dec 2018 10:23

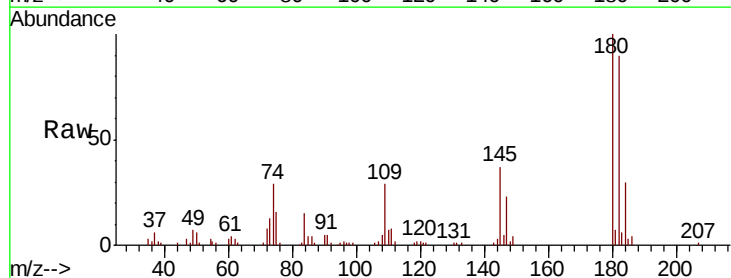
Tgt Ion:180 Resp: 21839

Ion Ratio Lower Upper

180 100

182 95.9 45.6 136.7

145 37.7 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

