

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122018\
 Data File : VW007654.D
 Acq On : 18 Dec 2018 13:25
 Operator : SY/AP
 Sample : J6391-07MS
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 19 03:16:14 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	33741	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	52754	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	40549	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	14975	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	21953	58.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.30%	
35) Dibromofluoromethane	7.88	113	18299	57.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.60%	
50) Toluene-d8	10.32	98	59043	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
62) 4-Bromofluorobenzene	12.62	95	17668	40.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	13415	56.895	ug/l	96
3) Chloromethane	2.21	50	8878	44.958	ug/l	97
4) Vinyl Chloride	2.36	62	12681	54.721	ug/l	99
5) Bromomethane	2.79	94	8431	54.149	ug/l	94
6) Chloroethane	2.93	64	7123	55.839	ug/l	95
7) Trichlorofluoromethane	3.25	101	14500	69.597	ug/l	96
8) Diethyl Ether	3.67	74	10435	63.993	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	16822	48.933	ug/l	98
10) Methyl Iodide	4.26	142	30271	53.167	ug/l	96
11) Tert butyl alcohol	5.17	59	8721	339.227	ug/l	98
12) 1,1-Dichloroethene	4.03	96	18458	55.766	ug/l	96
13) Acrolein	3.89	56	2162	127.093	ug/l	93
14) Allyl chloride	4.66	41	26407	54.126	ug/l	97
15) Acrylonitrile	5.37	53	21988	319.865	ug/l	98
16) Acetone	4.12	43	19136	292.670	ug/l	97
17) Carbon Disulfide	4.37	76	52083	51.897	ug/l	95
18) Methyl Acetate	4.67	43	38855	218.951	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	39250	78.607	ug/l	96
20) Methylene Chloride	4.91	84	21472	60.907	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	19565	52.841	ug/l	98
22) Diisopropyl ether	6.31	45	55075	58.729	ug/l	95
23) Vinyl Acetate	6.31	43	39602	75.499	ug/l #	74
24) 1,1-Dichloroethane	6.21	63	35884	56.616	ug/l	99
25) 2-Butanone	7.17	43	28532	334.258	ug/l	99
26) 2,2-Dichloropropane	7.16	77	28559	68.084	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	22398	55.246	ug/l	98
28) Bromochloromethane	7.51	49	13114	55.007	ug/l	99
29) Tetrahydrofuran	7.52	42	18669	345.478	ug/l	94
30) Chloroform	7.68	83	39582	57.387	ug/l	98
31) Cyclohexane	7.95	56	22236	38.238	ug/l	92
32) 1,1,1-Trichloroethane	7.87	97	35482	58.662	ug/l	99
36) 1,1-Dichloropropene	8.08	75	25578	53.150	ug/l	99
37) Ethyl Acetate	7.26	43	5776	32.270	ug/l #	80
38) Carbon Tetrachloride	8.07	117	30529	58.303	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	19795	33.969	ug/l	90
40) Benzene	8.32	78	77179	57.789	ug/l	99
41) Methacrylonitrile	7.48	41	5915	58.032	ug/l	94
42) 1,2-Dichloroethane	8.40	62	29248	69.717	ug/l	99
43) Isopropyl Acetate	8.42	43	13296	37.606	ug/l #	87
44) Trichloroethene	9.09	130	20781	54.490	ug/l	97
45) 1,2-Dichloropropane	9.37	63	18944	61.296	ug/l	97
46) Dibromomethane	9.46	93	11793	67.193	ug/l	98
47) Bromodichloromethane	9.65	83	28918	62.816	ug/l	91
48) Methyl methacrylate	9.44	41	15019	82.712	ug/l	97
49) 1,4-Dioxane	9.45	88	4319	1516.638	ug/l	91
51) 4-Methyl-2-Pentanone	10.21	43	62144	371.992	ug/l	98
52) Toluene	10.39	92	47124	54.524	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	26835	60.043	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	29301	56.712	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	16197	67.808	ug/l	97
56) Ethyl methacrylate	10.65	69	9047	31.511	ug/l	97
57) 1,3-Dichloropropane	10.93	76	26856	68.499	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	44419	335.491	ug/l	97
59) 2-Hexanone	10.97	43	38860	348.852	ug/l	99
60) Dibromochloromethane	11.13	129	19982	66.286	ug/l	99
61) 1,2-Dibromoethane	11.24	107	15867	67.217	ug/l	94
64) Tetrachloroethene	10.86	164	14160	48.560	ug/l	91
65) Chlorobenzene	11.66	112	46709	55.266	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	19472	65.415	ug/l	98
67) Ethyl Benzene	11.73	91	79591	54.774	ug/l	91
68) m/p-Xylenes	11.84	106	61441	108.765	ug/l	98
69) o-Xylene	12.17	106	29289	55.516	ug/l	97
70) Styrene	12.18	104	46174	54.186	ug/l	97
71) Bromoform	12.35	173	10771	70.695	ug/l #	99
73) Isopropylbenzene	12.47	105	70635	61.559	ug/l	99
74) N-amyl acetate	12.27	43	5376	25.780	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	16021	94.269	ug/l	94
76) 1,2,3-Trichloropropane	12.77	75	21703	175.771	ug/l #	1
77) Bromobenzene	12.75	156	17520	68.883	ug/l	93
78) n-propylbenzene	12.81	91	75162	58.205	ug/l	99
79) 2-Chlorotoluene	12.90	91	45170	57.809	ug/l	96
80) 1,3,5-Trimethylbenzene	12.95	105	56344	58.440	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	5048	90.312	ug/l	96
82) 4-Chlorotoluene	12.99	91	47234	57.348	ug/l	98
83) tert-Butylbenzene	13.21	119	49402	58.152	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	58413	58.876	ug/l	98
85) sec-Butylbenzene	13.39	105	56763	48.945	ug/l	97
86) p-Isopropyltoluene	13.51	119	51397	49.332	ug/l	97
87) 1,3-Dichlorobenzene	13.50	146	27172	53.582	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	27166	53.286	ug/l	98
89) n-Butylbenzene	13.83	91	38076	39.422	ug/l	99
90) Hexachloroethane	14.10	117	9547	51.500	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	25014	55.073	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3084	90.426	ug/l	93

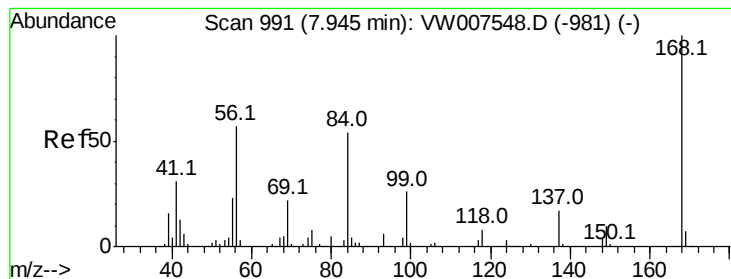
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	10419	33.333	ug/l	92
94) Hexachlorobutadiene	15.25	225	4209	25.379	ug/l	97
95) Naphthalene	15.38	128	27731	46.376	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	8042	29.618	ug/l	93

(#) = 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: VW007654.D

Acq: 18 Dec 2018 13:25

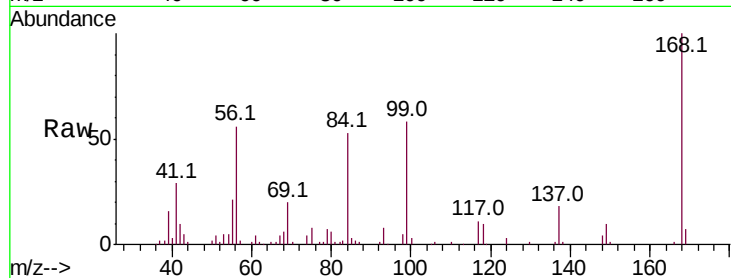
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 33741

Ion Ratio Lower Upper

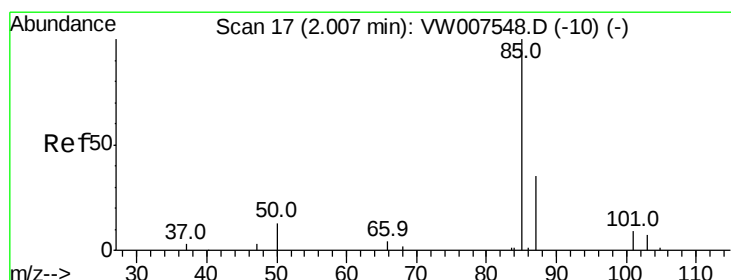
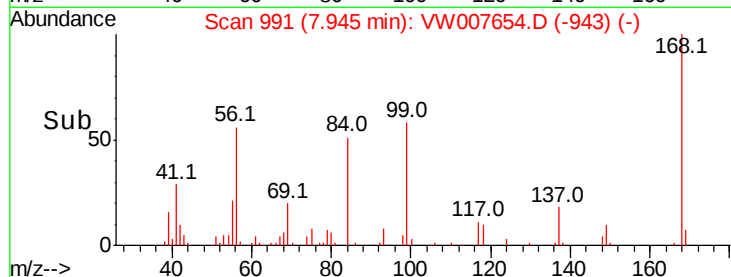
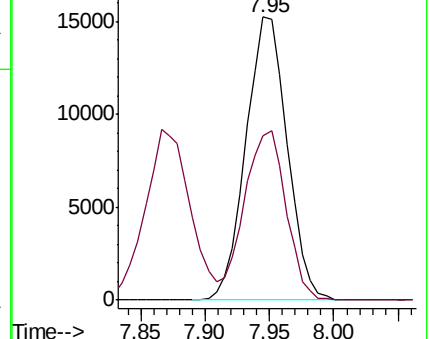
168 100

99 58.0 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 56.895 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW007654.D

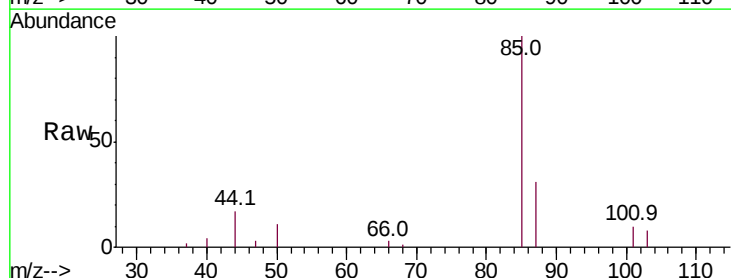
Acq: 18 Dec 2018 13:25

Tgt Ion: 85 Resp: 13415

Ion Ratio Lower Upper

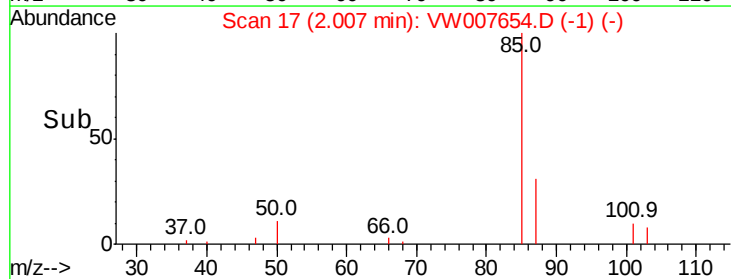
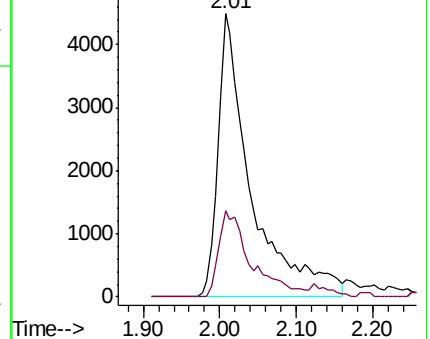
85 100

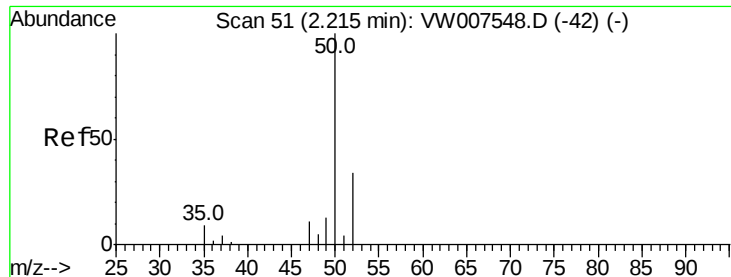
87 30.6 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 44.958 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007654.D

Acq: 18 Dec 2018 13:25

Instrument :

MSVOA_W

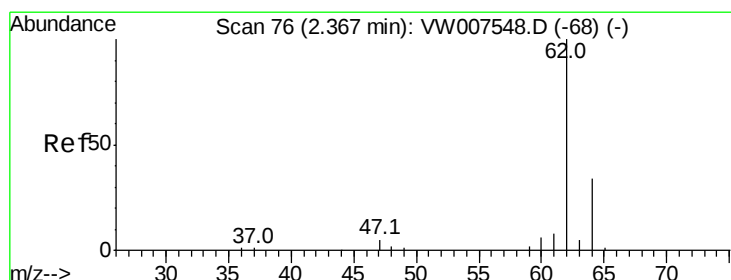
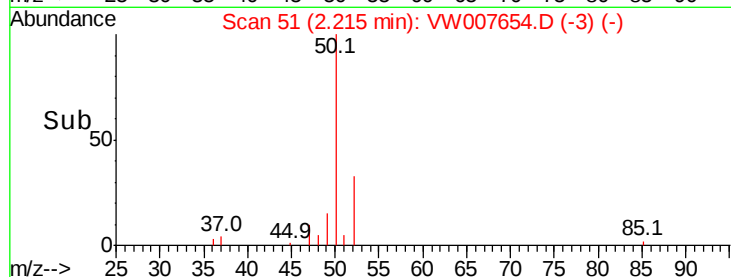
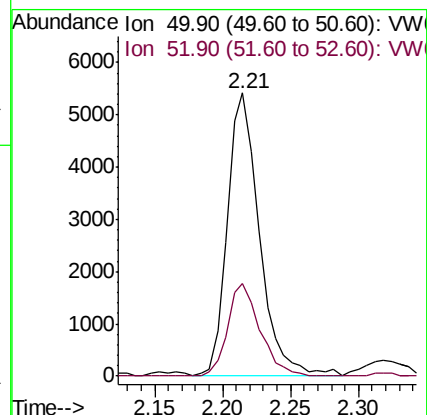
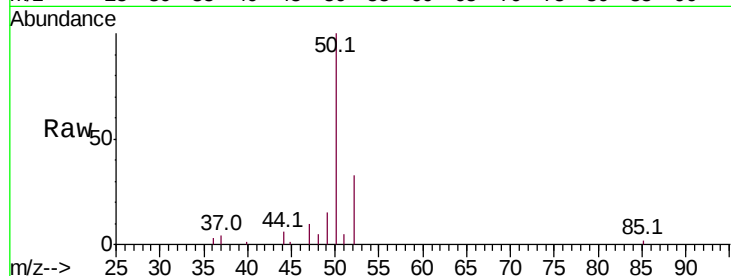
ClientSampled :

Tot Ion: 50 Resp: 8878

Ion Ratio Lower Upper

50 100

52 32.5 27.4 41.0



#4

Vinyl Chloride

Concen: 54.721 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW007654.D

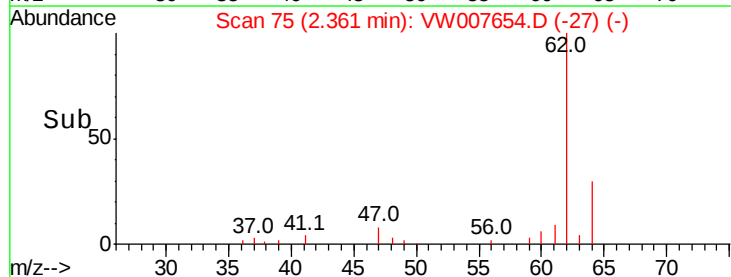
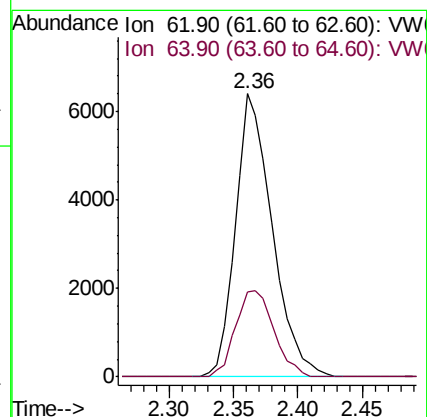
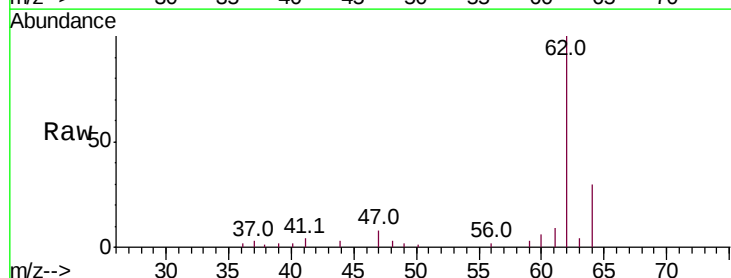
Acq: 18 Dec 2018 13:25

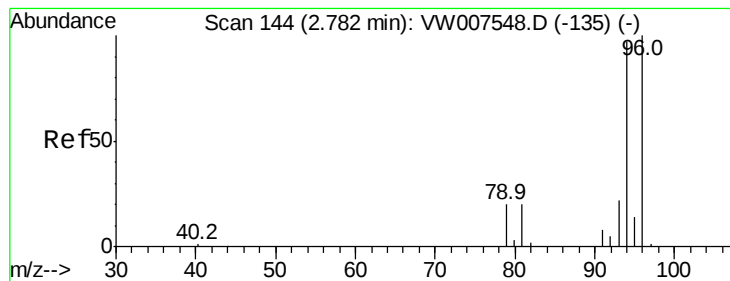
Tgt Ion: 62 Resp: 12681

Ion Ratio Lower Upper

62 100

64 30.1 24.6 37.0





#5

Bromomethane

Concen: 54.149 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW007654.D

Acq: 18 Dec 2018 13:25

Instrument :

MSVOA_W

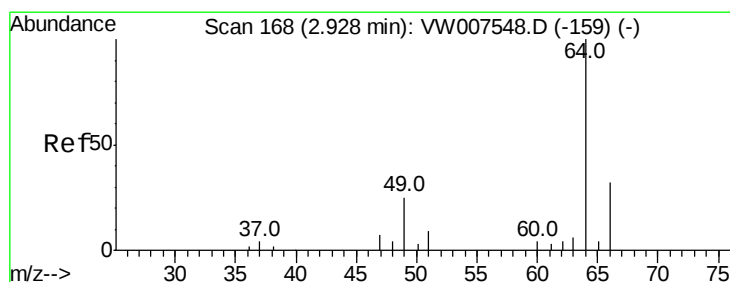
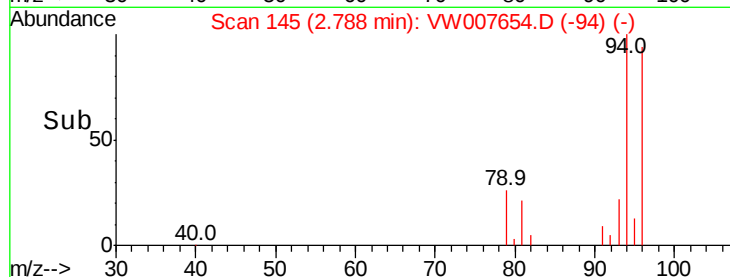
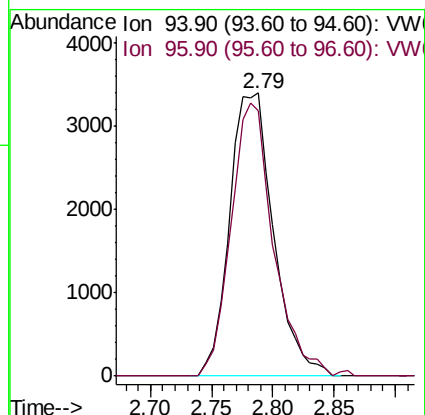
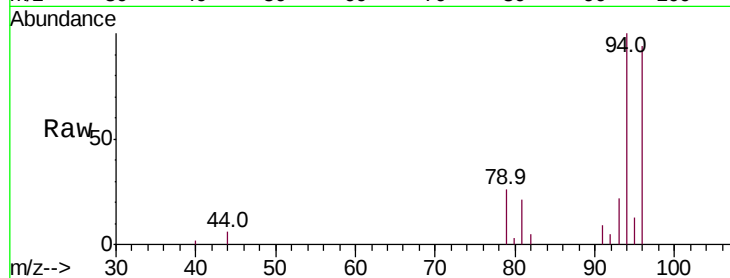
ClientSampleId :

Tot Ion: 94 Resp: 8431

Ion Ratio Lower Upper

94 100

96 93.9 71.0 106.4



#6

Chloroethane

Concen: 55.839 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW007654.D

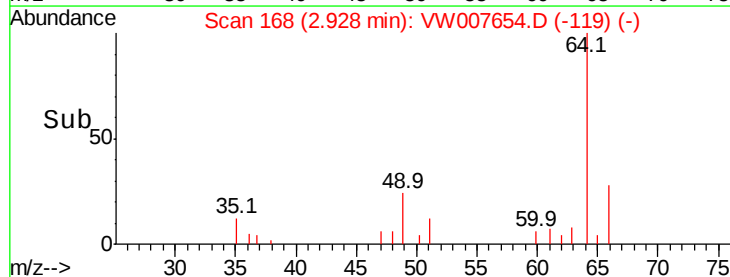
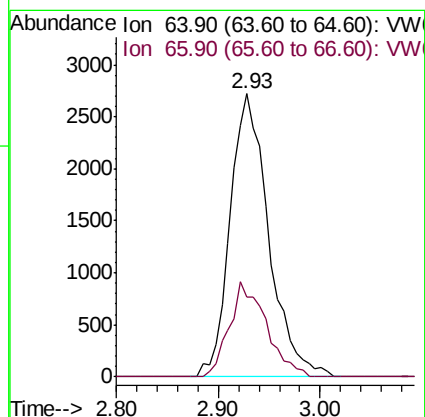
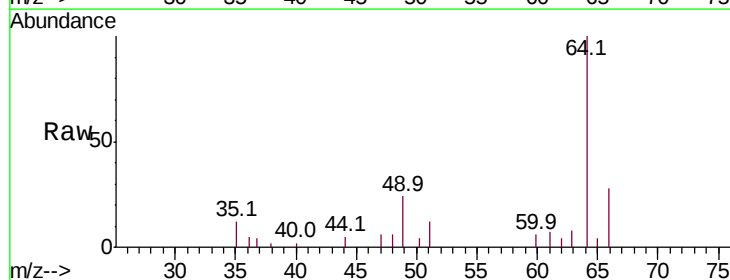
Acq: 18 Dec 2018 13:25

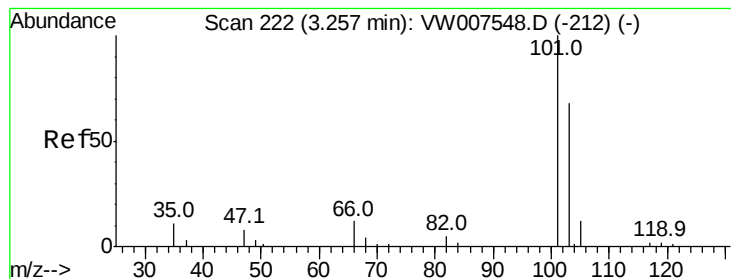
Tgt Ion: 64 Resp: 7123

Ion Ratio Lower Upper

64 100

66 28.3 24.6 37.0



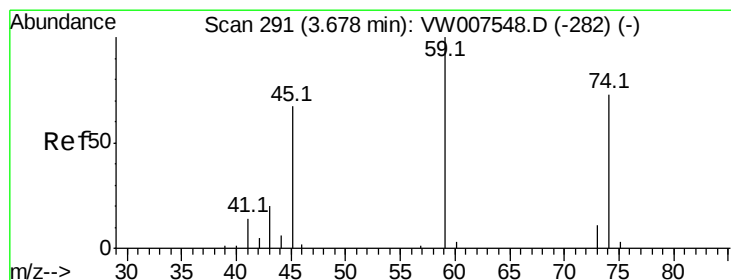
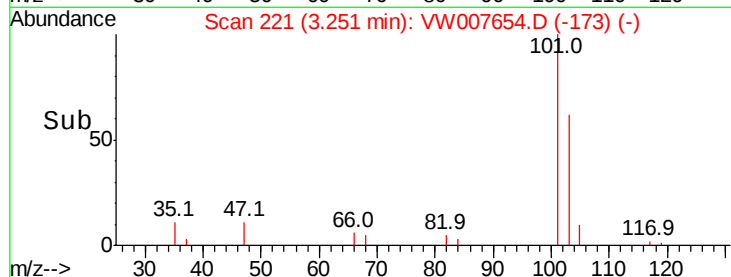
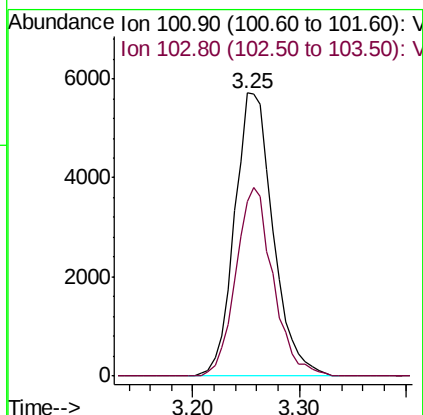
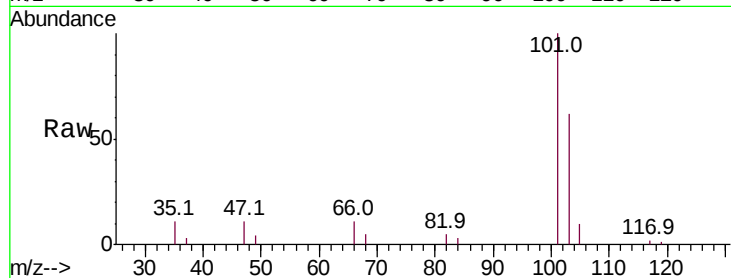


#7

Trichlorofluoromethane
 Concen: 69.597 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW007654.D
 Acq: 18 Dec 2018 13:25

Instrument :
 MSVOA_W
 ClientSampleId :

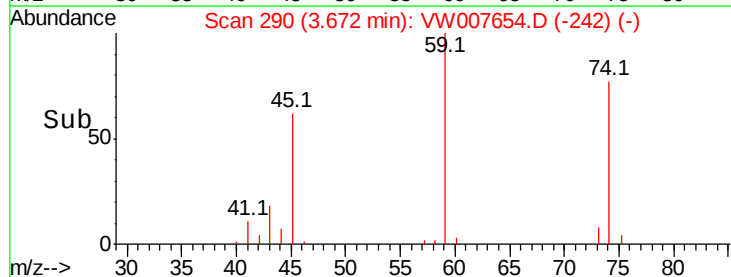
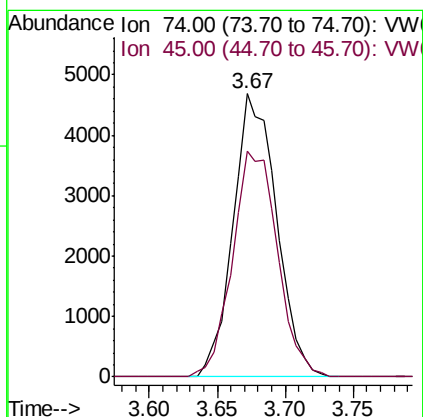
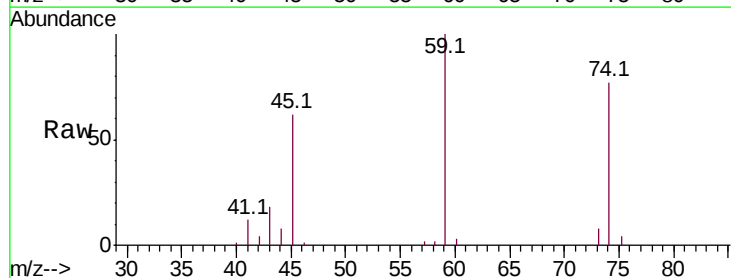
Tot Ion:101 Resp: 14500
 Ion Ratio Lower Upper
 101 100
 103 61.6 51.7 77.5

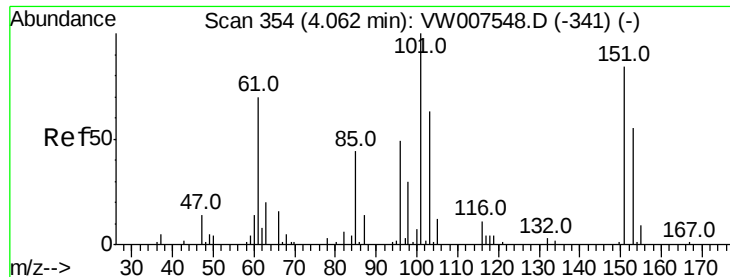


#8

Diethyl Ether
 Concen: 63.993 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW007654.D
 Acq: 18 Dec 2018 13:25

Tgt Ion: 74 Resp: 10435
 Ion Ratio Lower Upper
 74 100
 45 82.8 43.0 129.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.933 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW007654.D

Acq: 18 Dec 2018 13:25

Instrument :

MSVOA_W

ClientSampled :

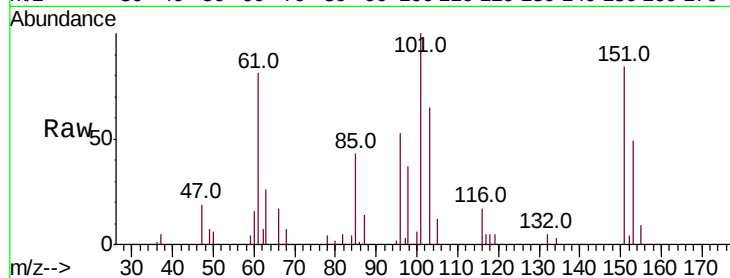
Tot Ion:101 Resp: 16822

Ion Ratio Lower Upper

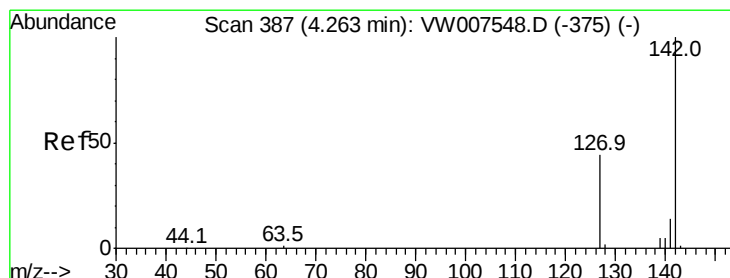
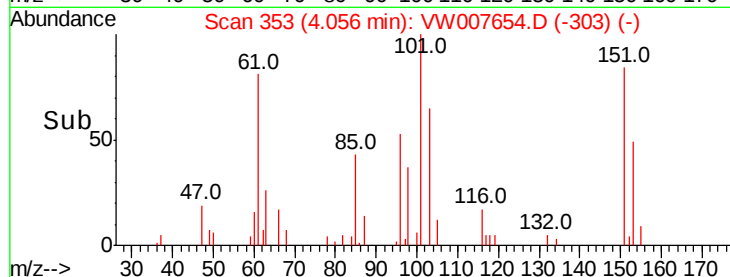
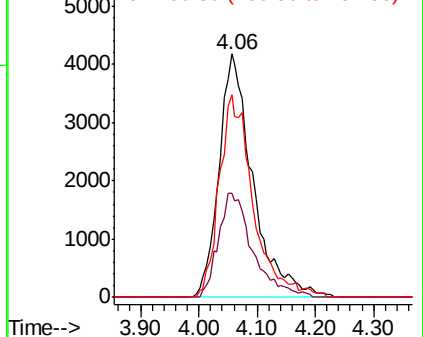
101 100

85 43.5 33.9 50.9

151 82.0 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: 53.167 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW007654.D

Acq: 18 Dec 2018 13:25

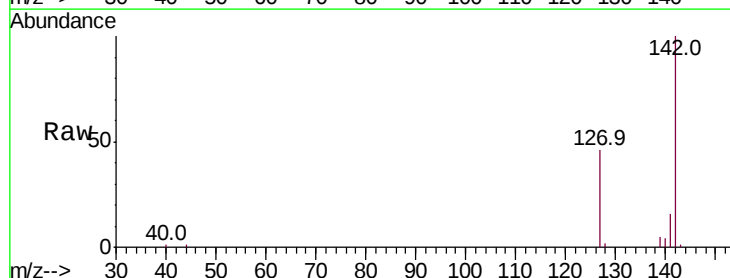
Tgt Ion:142 Resp: 30271

Ion Ratio Lower Upper

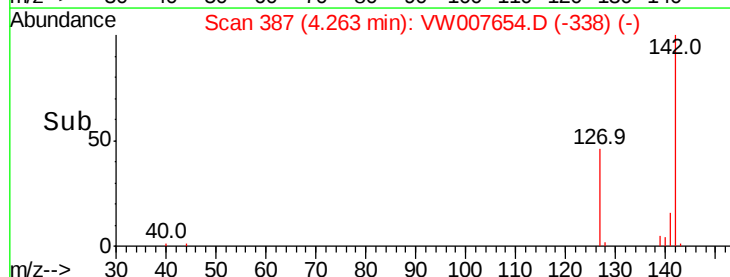
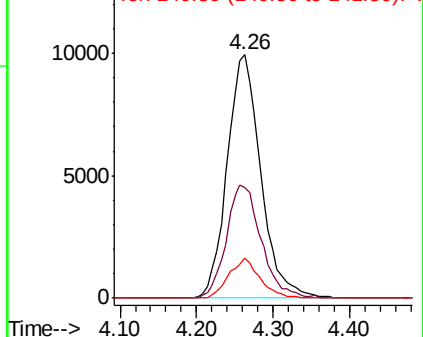
142 100

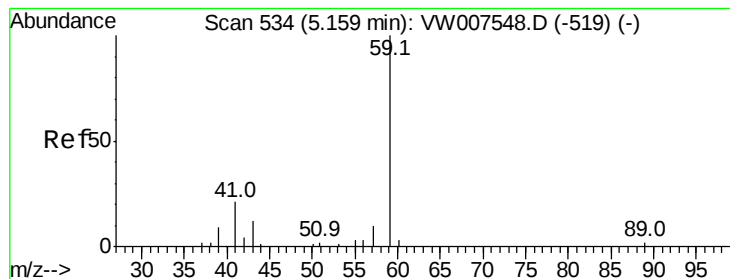
127 48.0 35.8 53.6

141 15.0 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



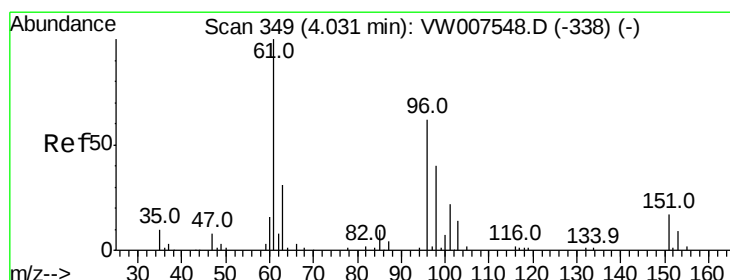
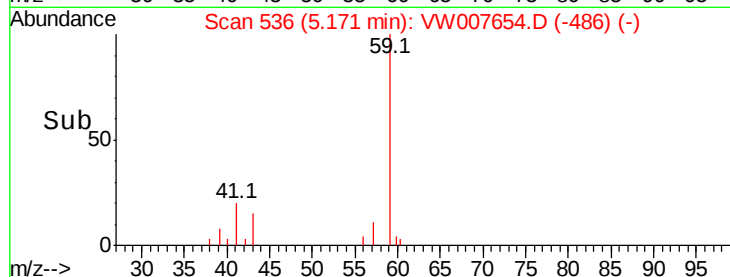
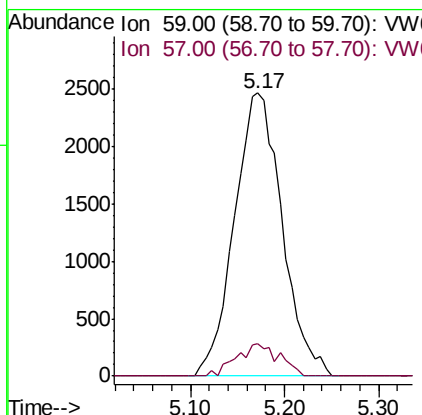
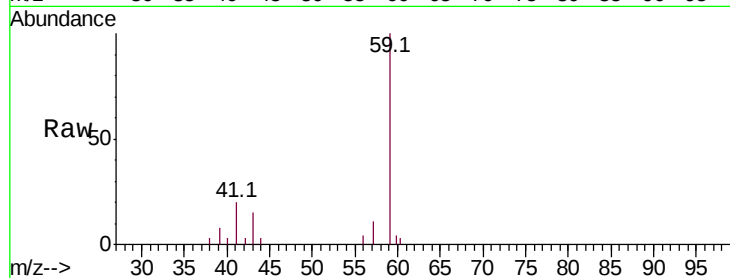


#11

Tert butyl alcohol
Concen: 339.227 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW007654.D
Acq: 18 Dec 2018 13:25

Instrument :
MSVOA_W
ClientSampled :

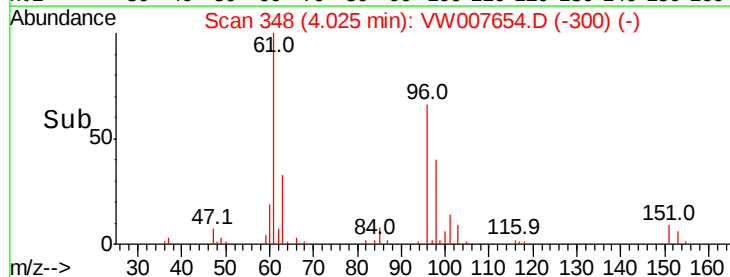
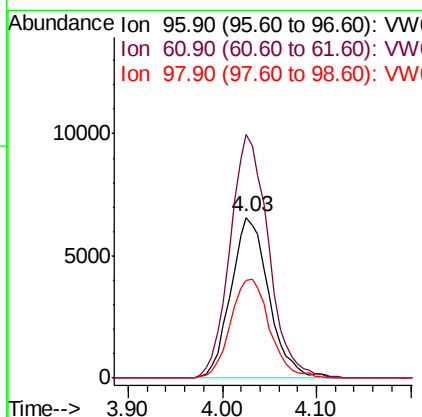
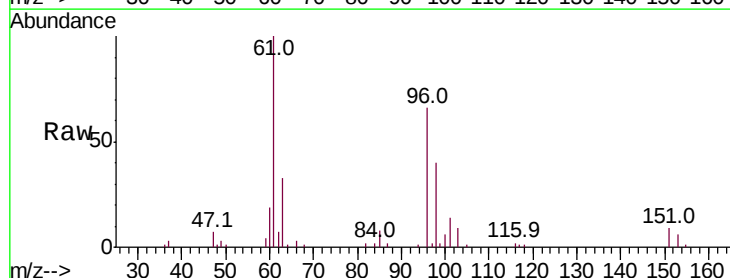
Tot Ion: 59 Resp: 8721
Ion Ratio Lower Upper
59 100
57 10.3 7.6 11.4

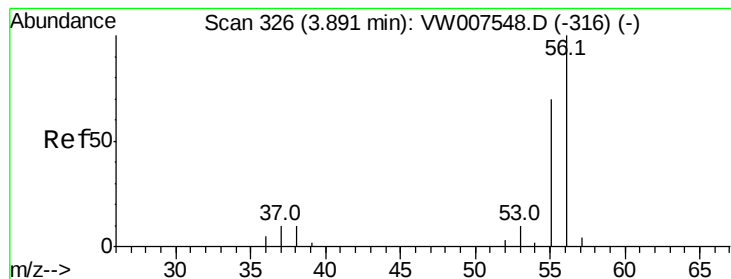


#12

1,1-Dichloroethene
Concen: 55.766 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW007654.D
Acq: 18 Dec 2018 13:25

Tgt Ion: 96 Resp: 18458
Ion Ratio Lower Upper
96 100
61 151.6 126.2 189.2
98 61.0 48.3 72.5





#13

Acrolein

Concen: 127.093 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW007654.D

Acq: 18 Dec 2018 13:25

Instrument :

MSVOA_W

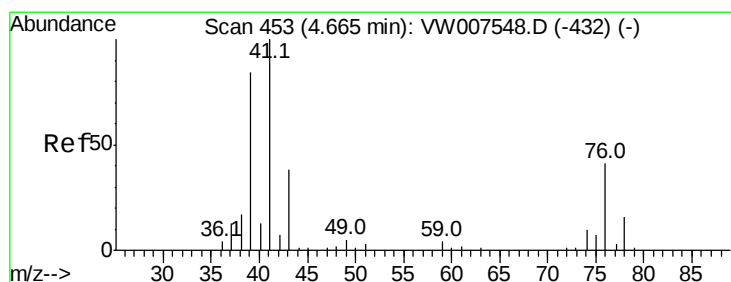
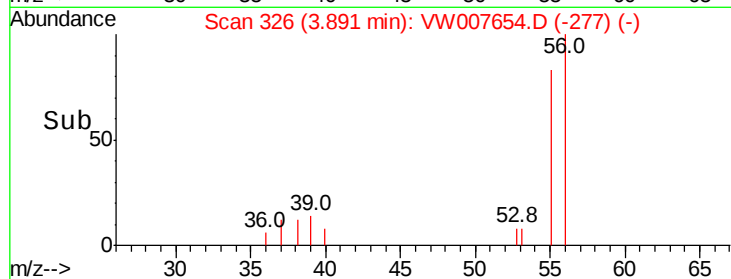
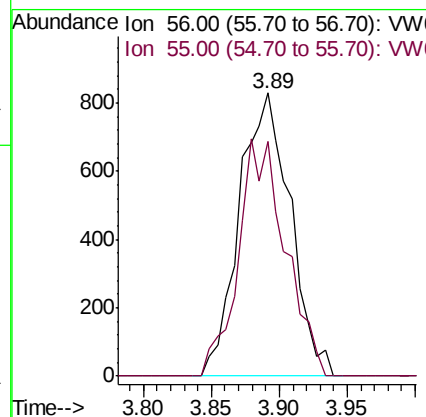
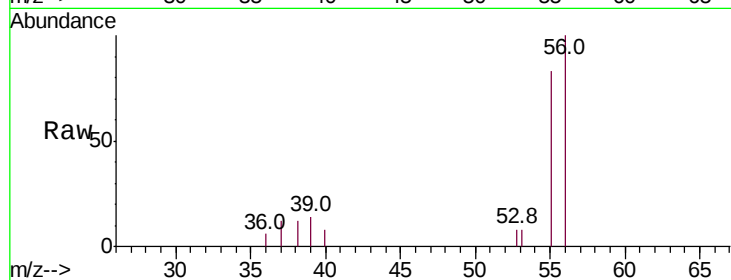
ClientSampleId :

Tot Ion: 56 Resp: 2162

Ion Ratio Lower Upper

56 100

55 77.6 57.4 86.2



#14

Allyl chloride

Concen: 54.126 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW007654.D

Acq: 18 Dec 2018 13:25

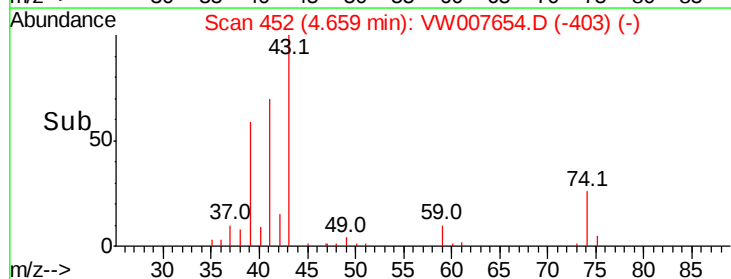
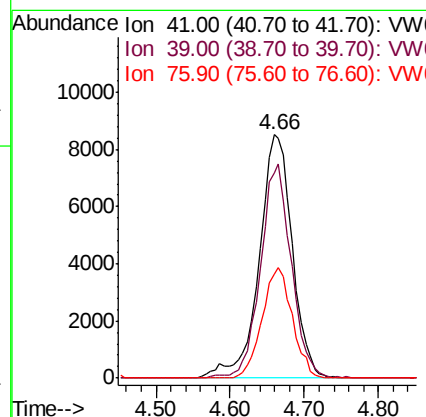
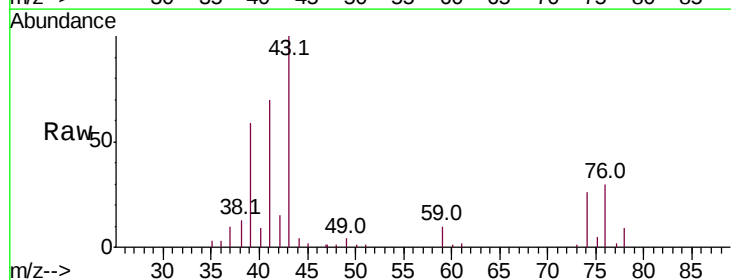
Tgt Ion: 41 Resp: 26407

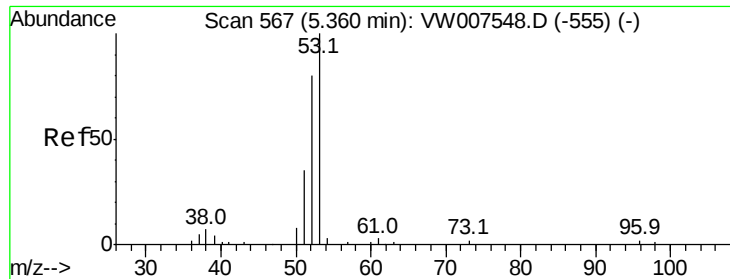
Ion Ratio Lower Upper

41 100

39 82.0 63.4 95.2

76 41.3 32.1 48.1





#15

Acrylonitrile

Concen: 319.865 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW007654.D

Acq: 18 Dec 2018 13:25

Instrument :

MSVOA_W

ClientSampleId :

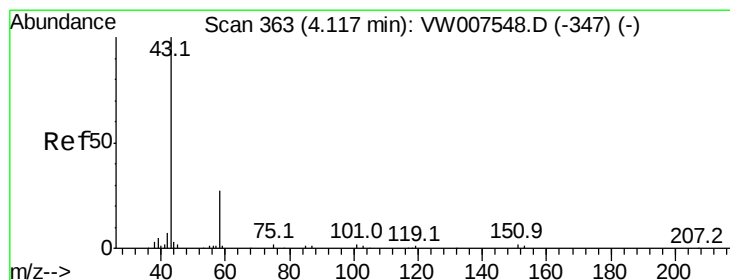
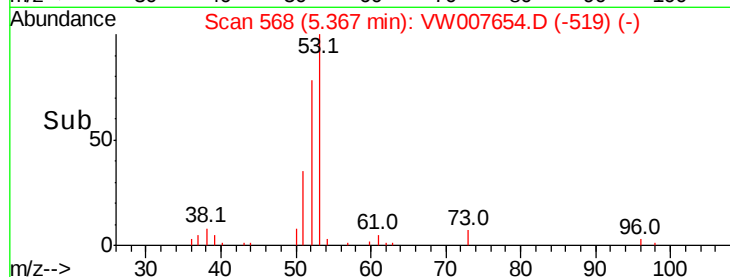
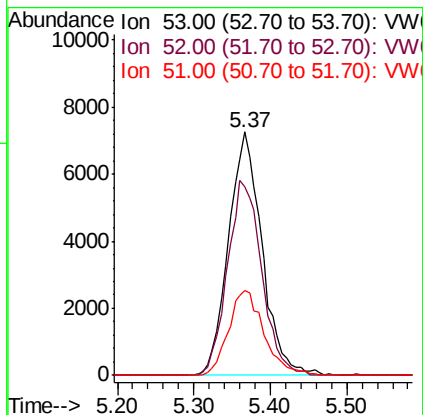
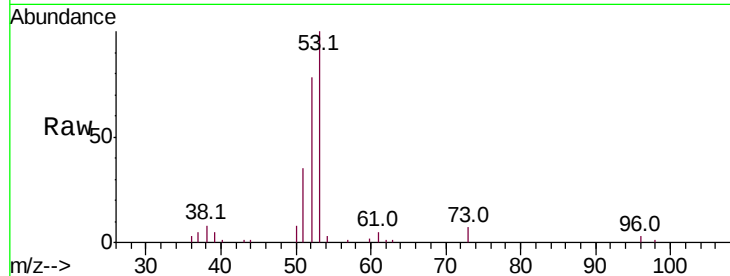
Tot Ion: 53 Resp: 21988

Ion Ratio Lower Upper

53 100

52 81.7 67.4 101.2

51 37.1 30.2 45.2



#16

Acetone

Concen: 292.670 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007654.D

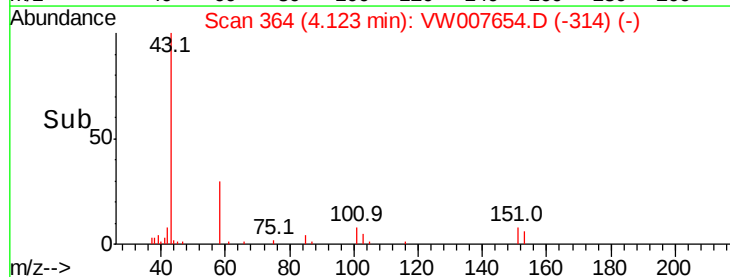
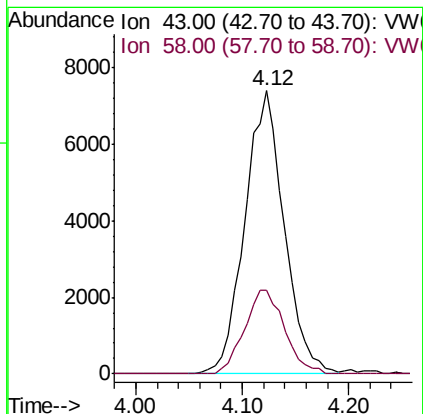
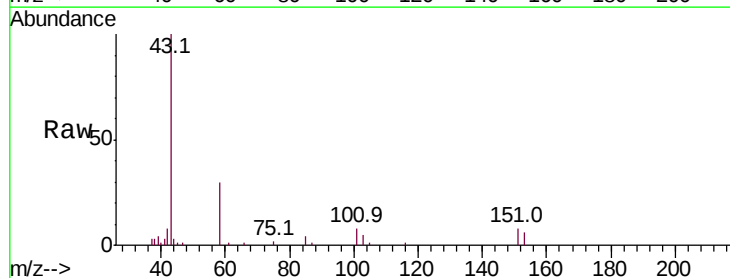
Acq: 18 Dec 2018 13:25

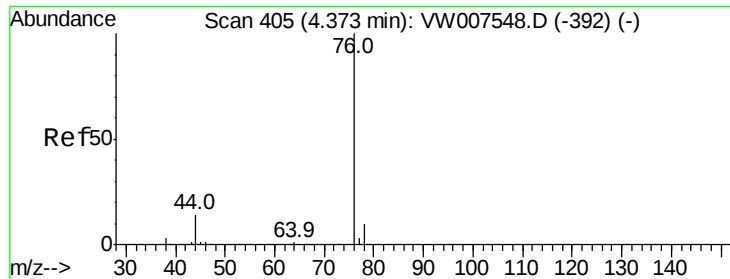
Tgt Ion: 43 Resp: 19136

Ion Ratio Lower Upper

43 100

58 29.6 24.9 37.3

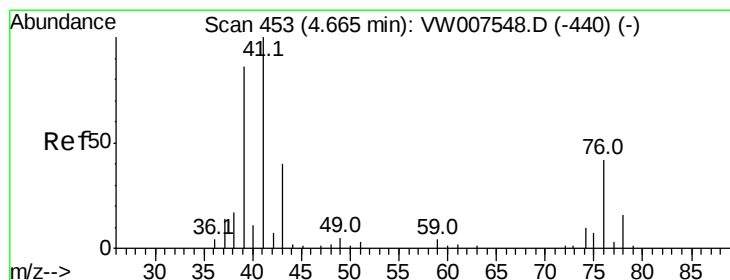
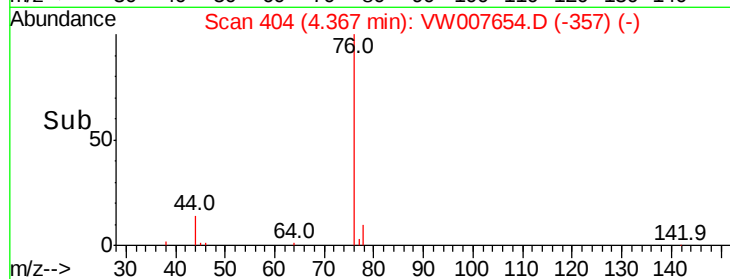
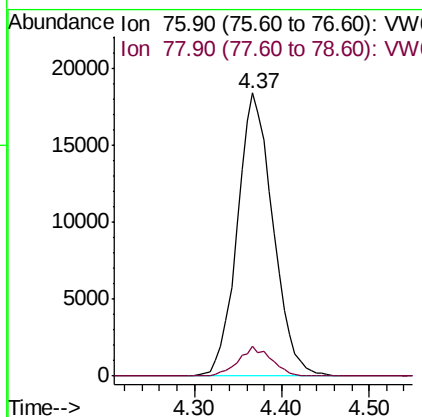
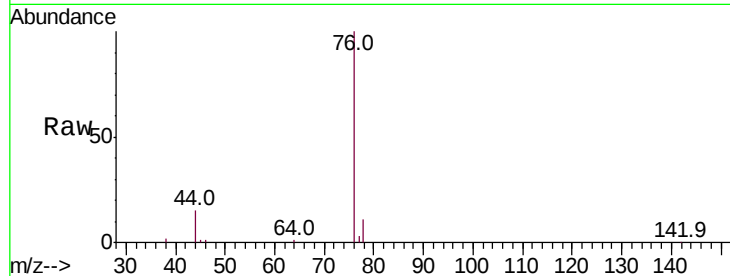




#17
Carbon Disulfide
Concen: 51.897 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.01 min
Lab File: VW007654.D
Acq: 18 Dec 2018 13:25

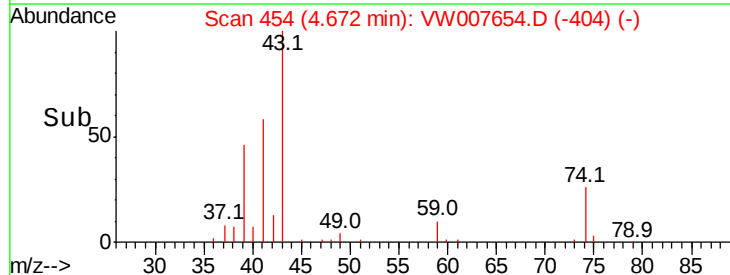
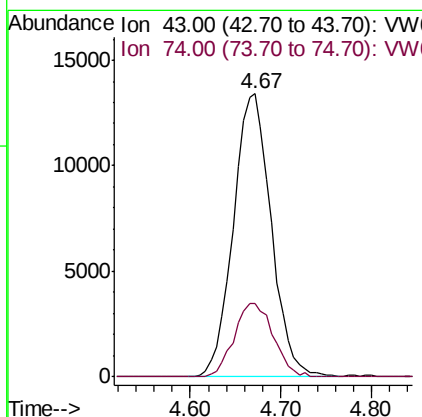
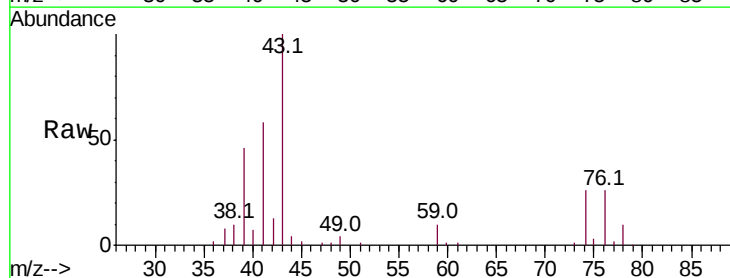
Instrument :
MSVOA_W
ClientSampleId :

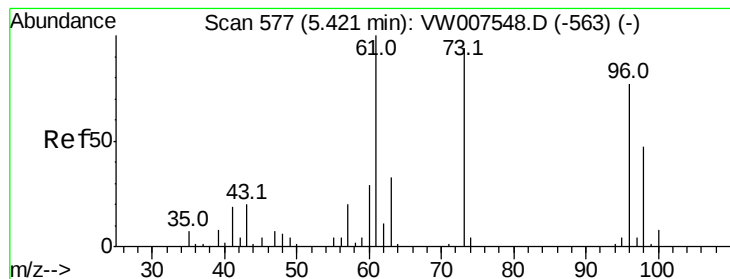
Tot Ion: 76 Resp: 52083
Ion Ratio Lower Upper
76 100
78 10.6 7.1 10.7



#18
Methyl Acetate
Concen: 218.951 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW007654.D
Acq: 18 Dec 2018 13:25

Tgt Ion: 43 Resp: 38855
Ion Ratio Lower Upper
43 100
74 26.9 21.1 31.7



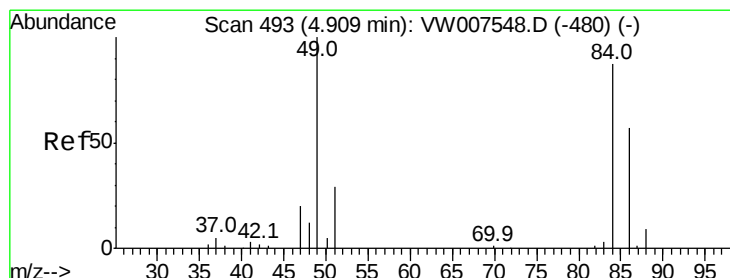
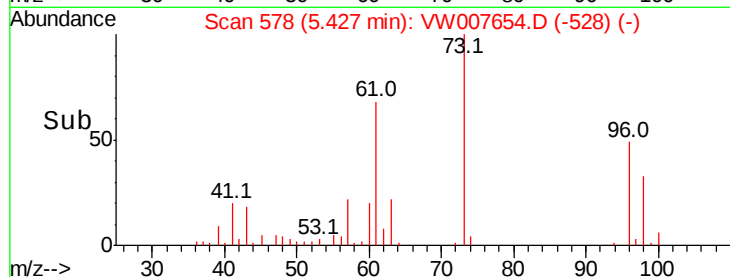
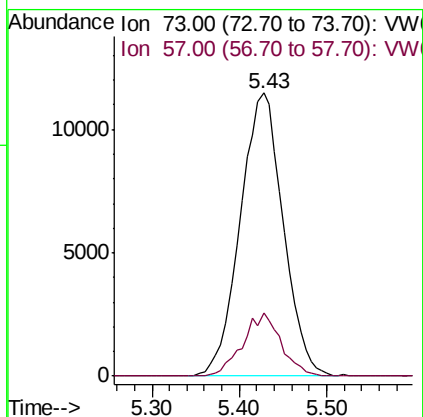
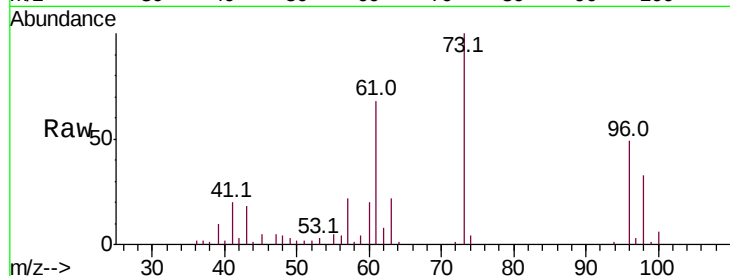


#19

Methyl tert-butyl Ether
 Concen: 78.607 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW007654.D
 Acq: 18 Dec 2018 13:25

Instrument :
 MSVOA_W
 ClientSampleId :

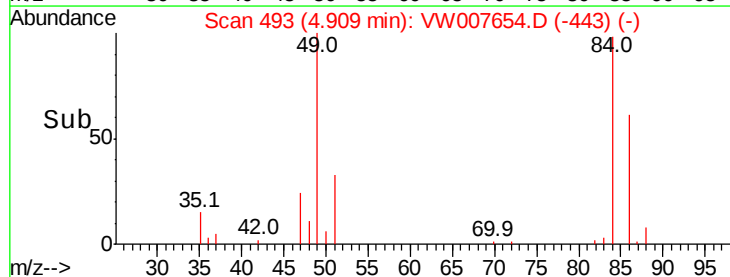
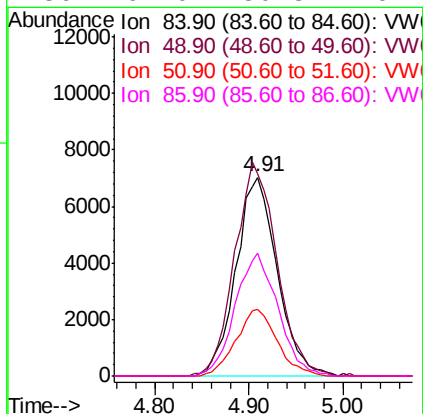
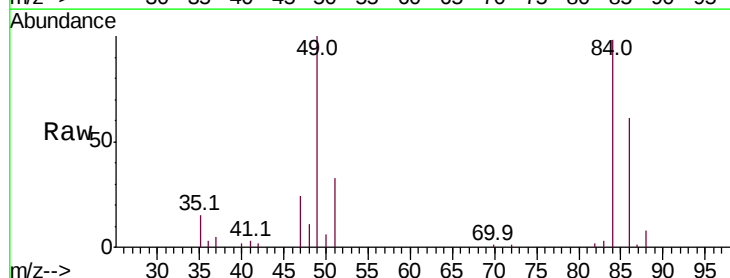
Tot Ion: 73 Resp: 39250
 Ion Ratio Lower Upper
 73 100
 57 22.1 16.4 24.6

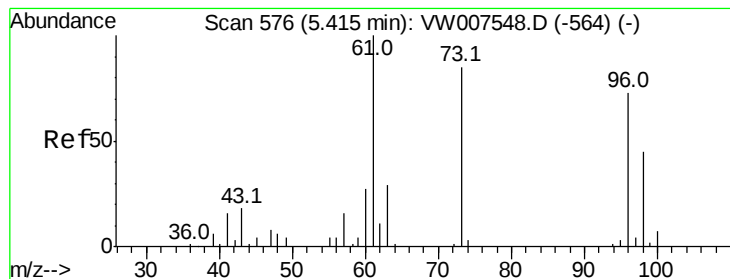


#20

Methylene Chloride
 Concen: 60.907 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.01 min
 Lab File: VW007654.D
 Acq: 18 Dec 2018 13:25

Tgt Ion: 84 Resp: 21472
 Ion Ratio Lower Upper
 84 100
 49 101.9 87.1 130.7
 51 33.3 28.2 42.2
 86 62.0 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 52.841 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW007654.D

Acq: 18 Dec 2018 13:25

Instrument :
MSVOA_W
ClientSampleId :

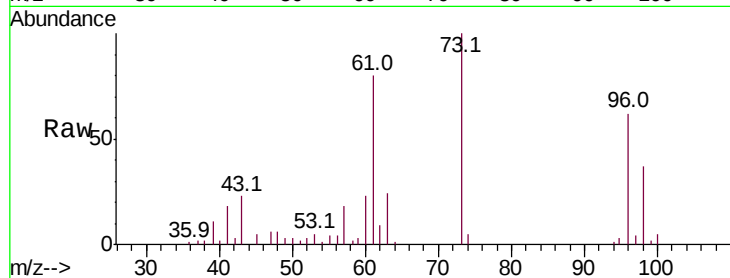
Tot Ion: 96 Resp: 19565

Ion Ratio Lower Upper

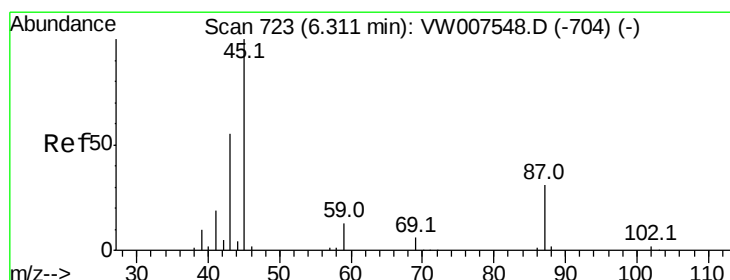
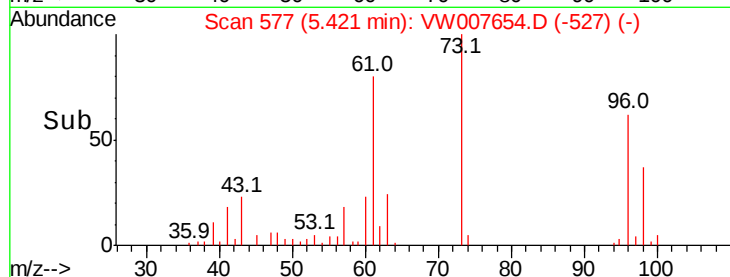
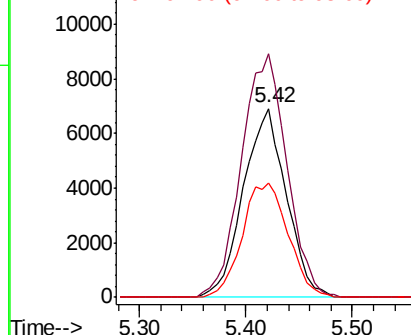
96 100

61 129.0 105.0 157.6

98 60.4 49.7 74.5



Abundance Ion 95.90 (95.60 to 96.60): VW
12000 Ion 60.90 (60.60 to 61.60): VW
10000 Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 58.729 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007654.D

Acq: 18 Dec 2018 13:25

Tgt Ion: 45 Resp: 55075

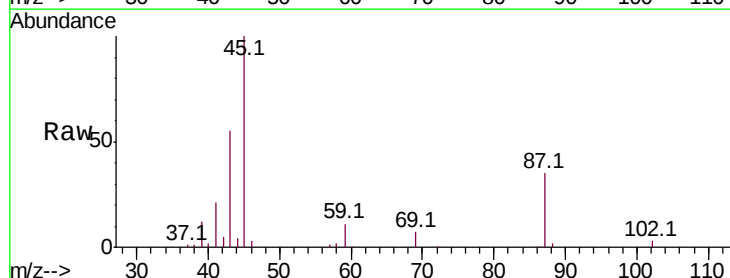
Ion Ratio Lower Upper

45 100

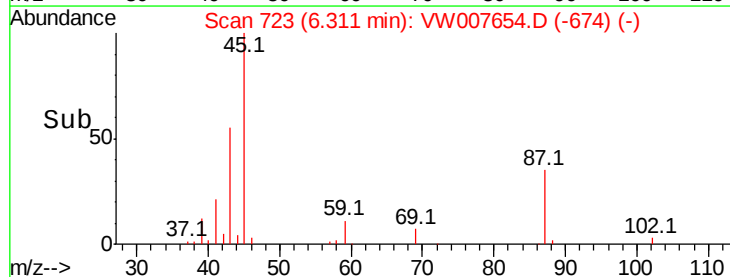
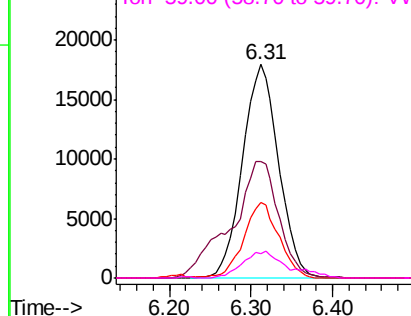
43 54.3 41.6 62.4

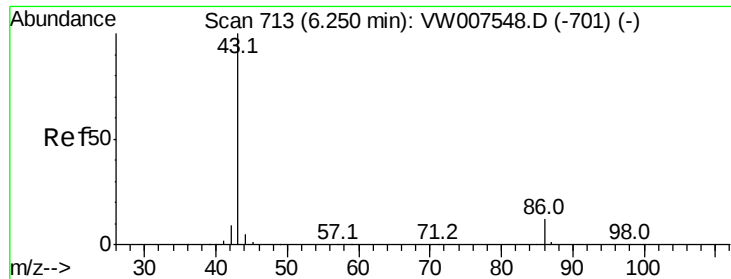
87 35.2 24.3 36.5

59 11.2 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VW
25000 Ion 43.00 (42.70 to 43.70): VW
20000 Ion 87.00 (86.70 to 87.70): VW
15000 Ion 59.00 (58.70 to 59.70): VW

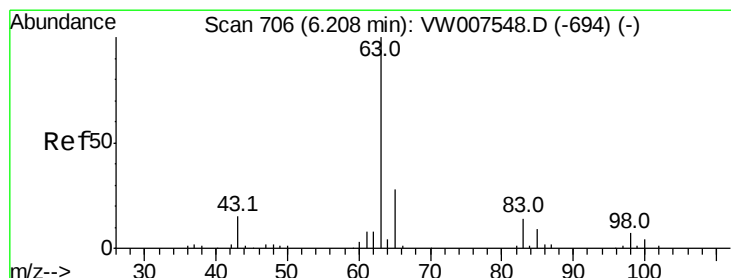
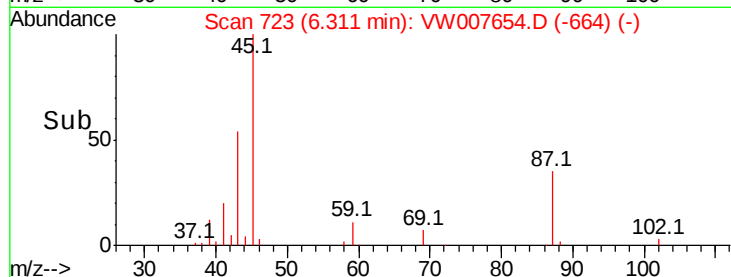
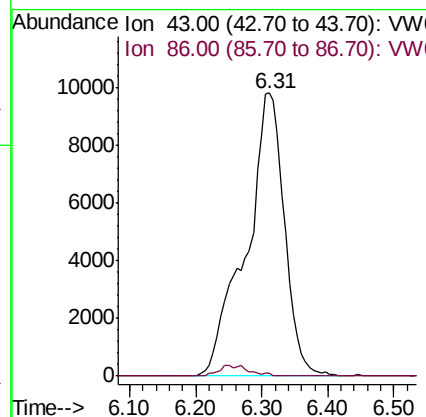
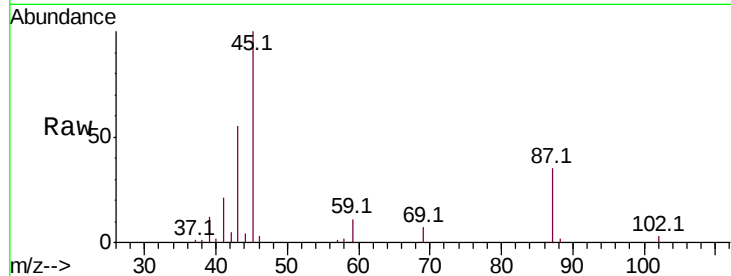




#23
 Vinyl Acetate
 Concen: 75.499 ug/l
 RT: 6.31 min Scan# 723
 Delta R.T. 0.06 min
 Lab File: VW007654.D
 Acq: 18 Dec 2018 13:25

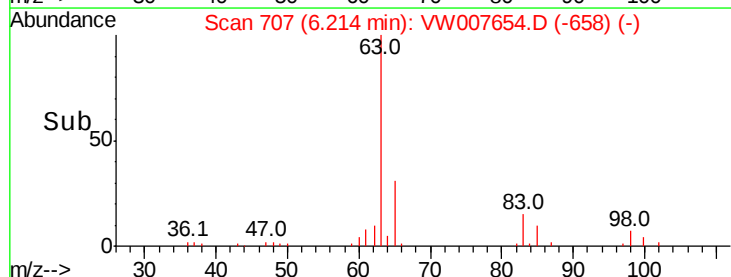
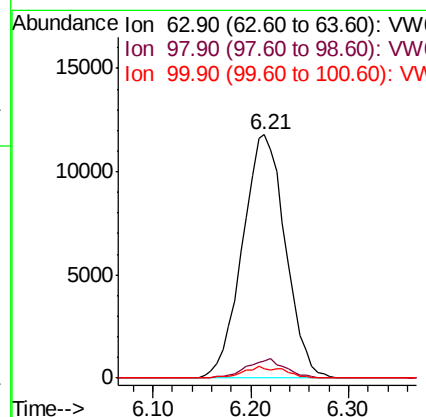
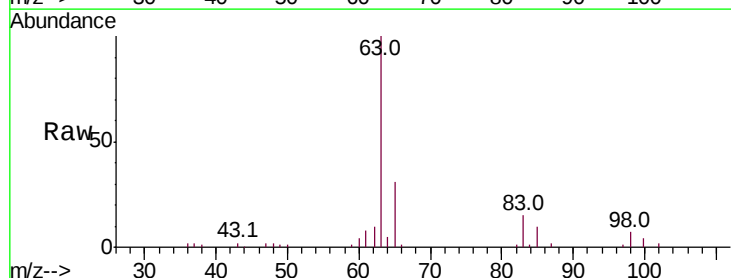
Instrument :
 MSVOA_W
 ClientSampled :

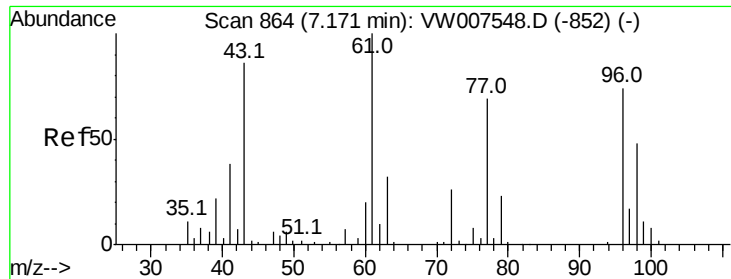
Tot Ion: 43 Resp: 39602
 Ion Ratio Lower Upper
 43 100
 86 0.9 8.6 12.8#



#24
 1,1-Dichloroethane
 Concen: 56.616 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW007654.D
 Acq: 18 Dec 2018 13:25

Tgt Ion: 63 Resp: 35884
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.5 10.4
 100 4.1 2.5 7.5





#25

2-Butanone

Concen: 334.258 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007654.D

Acq: 18 Dec 2018 13:25

Instrument :

MSVOA_W

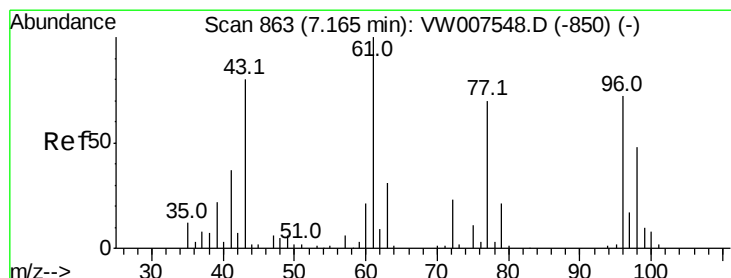
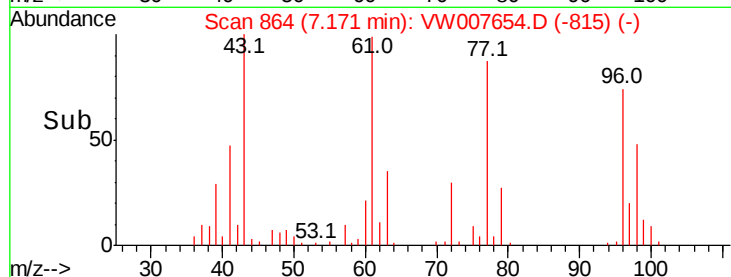
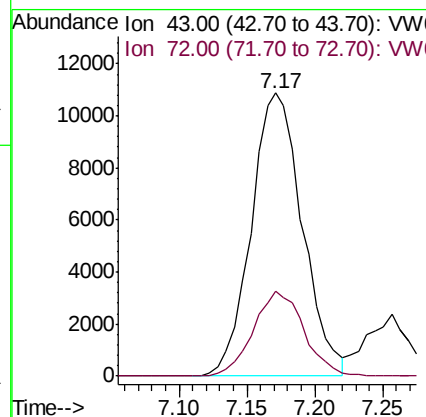
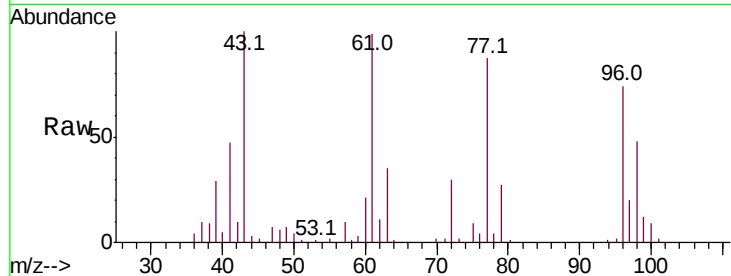
ClientSampleId :

Tot Ion: 43 Resp: 28532

Ion Ratio Lower Upper

43 100

72 29.8 23.4 35.2



#26

2,2-Dichloropropane

Concen: 68.084 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007654.D

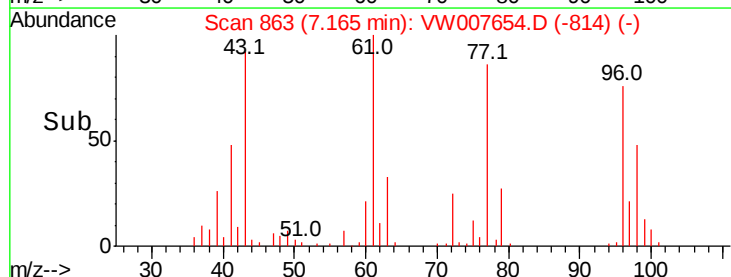
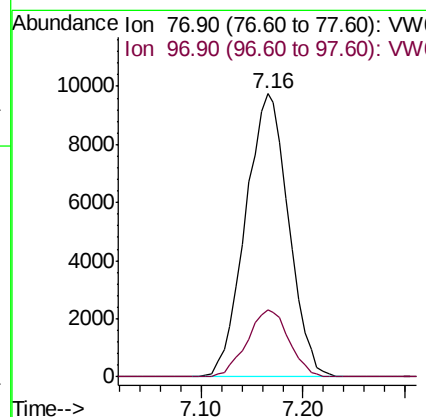
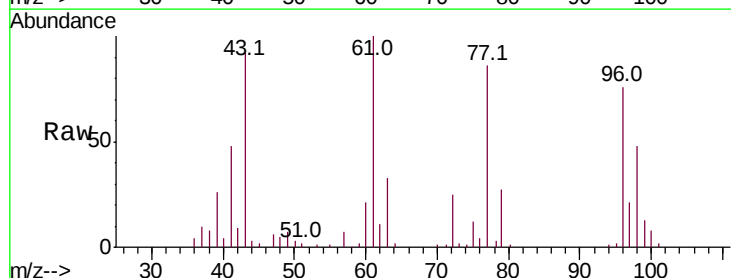
Acq: 18 Dec 2018 13:25

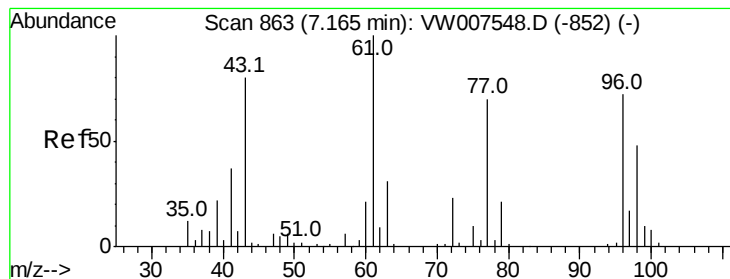
Tgt Ion: 77 Resp: 28559

Ion Ratio Lower Upper

77 100

97 22.9 11.6 34.8



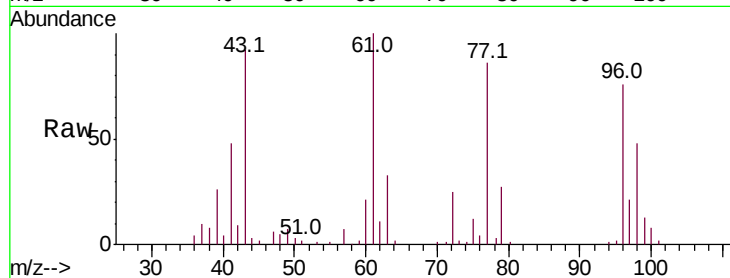


#27

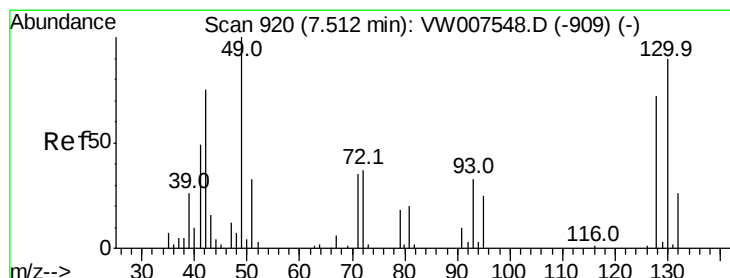
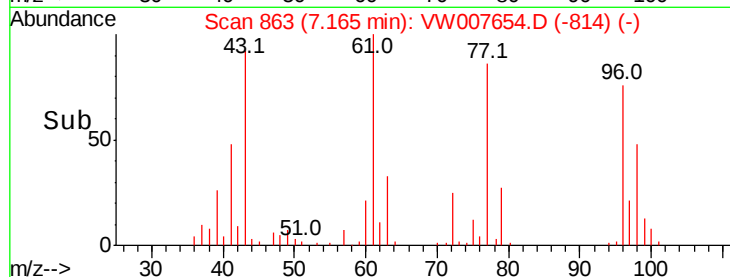
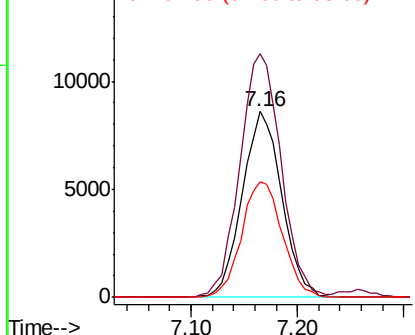
cis-1,2-Dichloroethene
Concen: 55.246 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007654.D
Acq: 18 Dec 2018 13:25

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.0	0.0	268.4
98	64.2	0.0	127.8



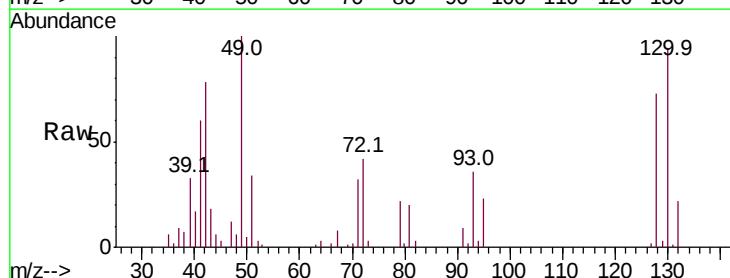
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



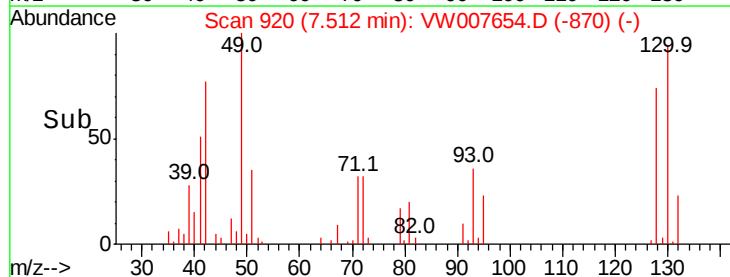
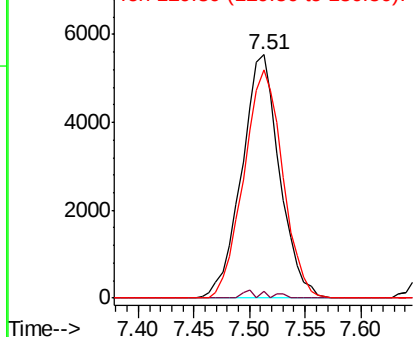
#28

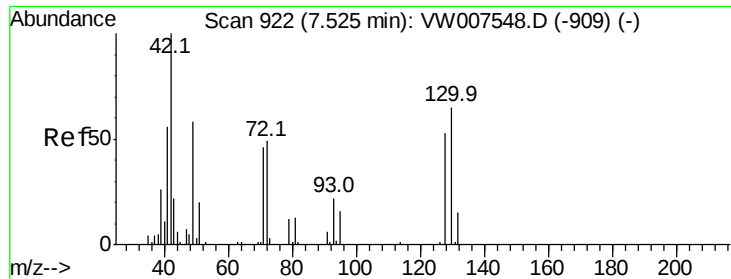
Bromochloromethane
Concen: 55.007 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW007654.D
Acq: 18 Dec 2018 13:25

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	2.6
130	96.2	75.9	113.9



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





#29

Tetrahydrofuran

Concen: 345.478 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW007654.D

Acq: 18 Dec 2018 13:25

Instrument :

MSVOA_W

ClientSampled :

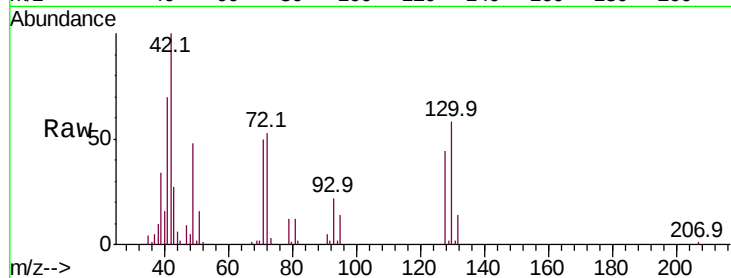
Tot Ion: 42 Resp: 18669

Ion Ratio Lower Upper

42 100

72 51.9 38.2 57.4

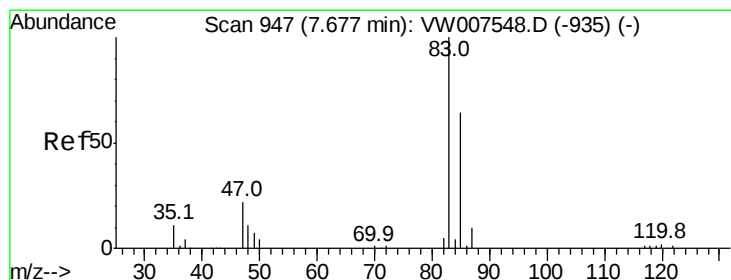
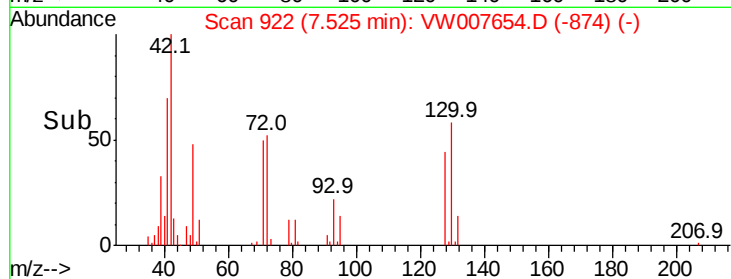
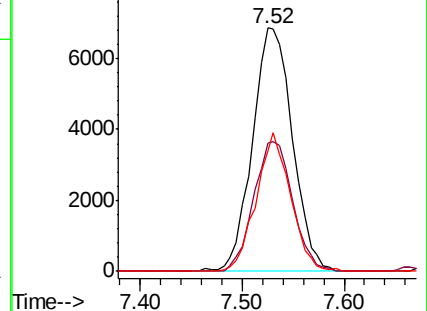
71 48.8 35.5 53.3



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 57.387 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW007654.D

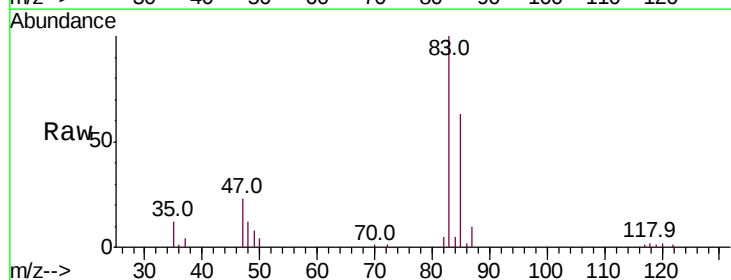
Acq: 18 Dec 2018 13:25

Tgt Ion: 83 Resp: 39582

Ion Ratio Lower Upper

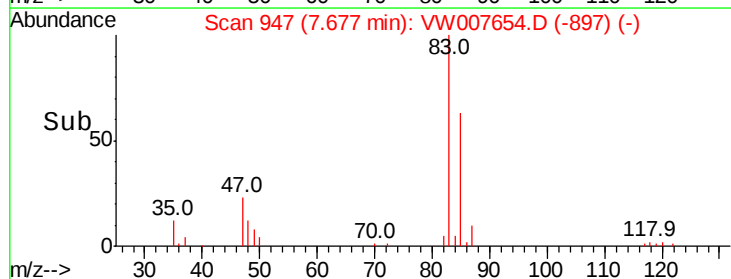
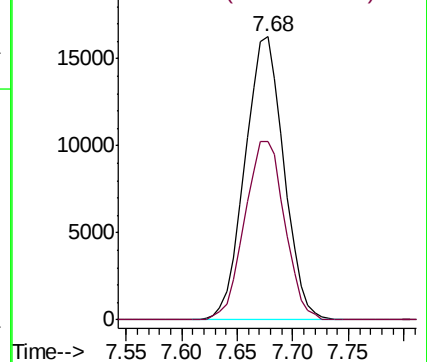
83 100

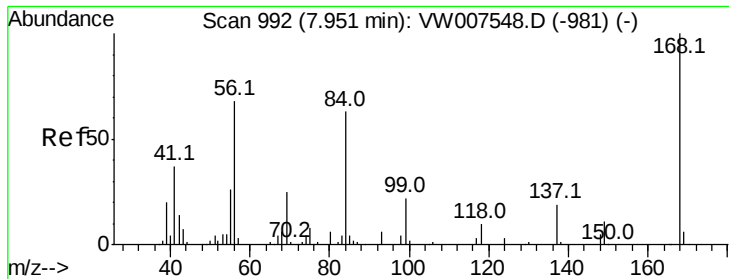
85 63.2 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

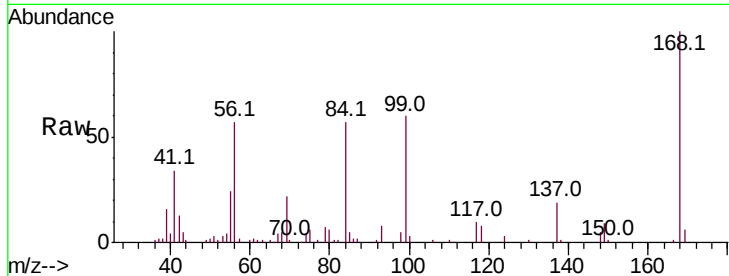




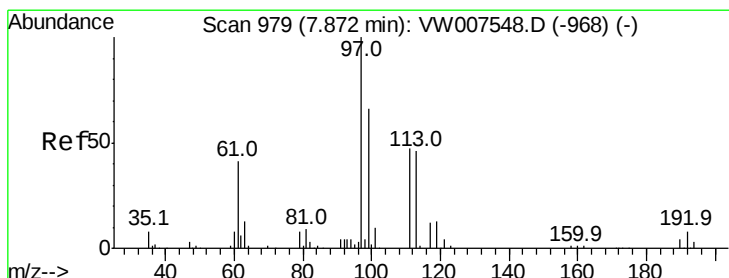
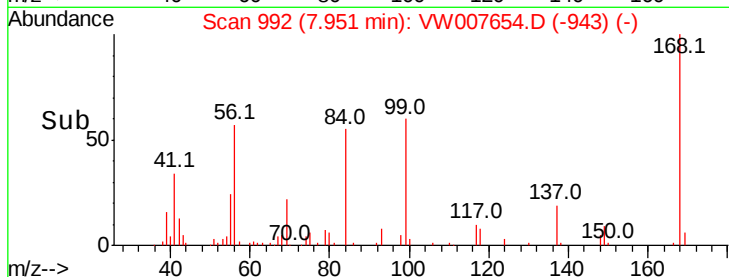
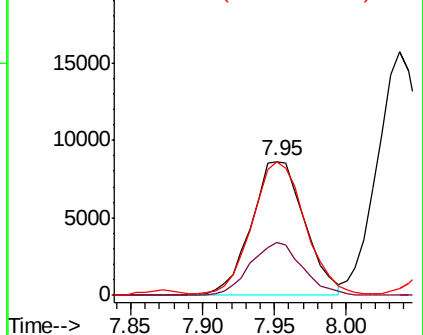
#31
Cyclohexane
Concen: 38.238 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007654.D
Acq: 18 Dec 2018 13:25

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 22236
Ion Ratio Lower Upper
56 100
69 39.3 28.9 43.3
84 98.8 71.8 107.6

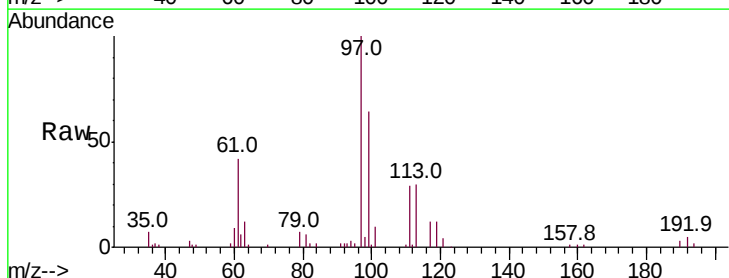


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

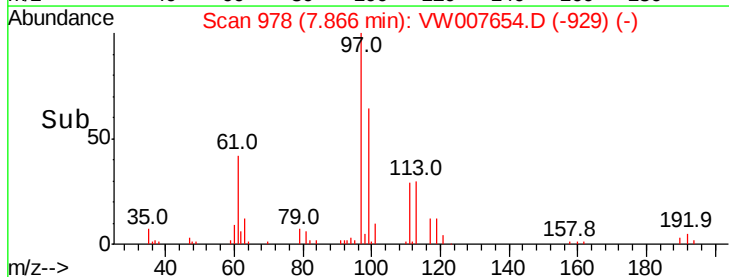
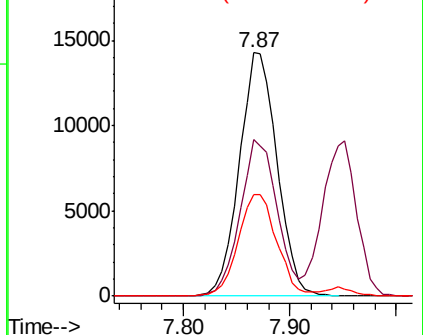


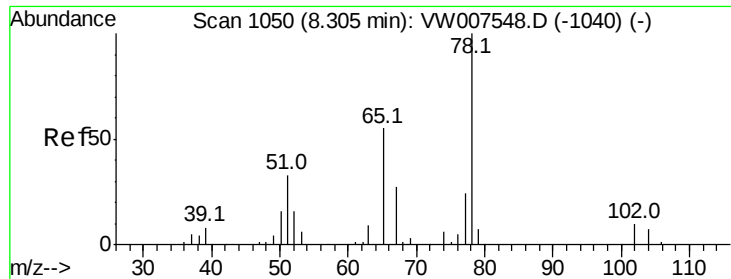
#32
1,1,1-Trichloroethane
Concen: 58.662 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW007654.D
Acq: 18 Dec 2018 13:25

Tgt Ion: 97 Resp: 35482
Ion Ratio Lower Upper
97 100
99 63.3 51.1 76.7
61 42.8 33.2 49.8



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

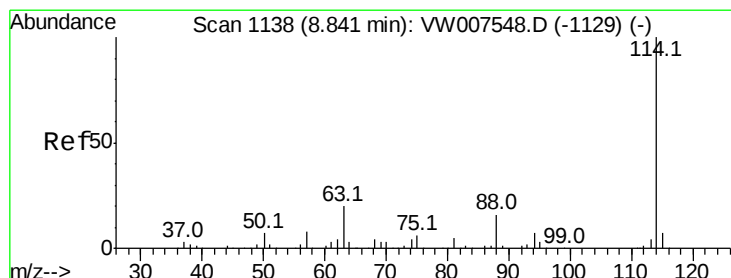
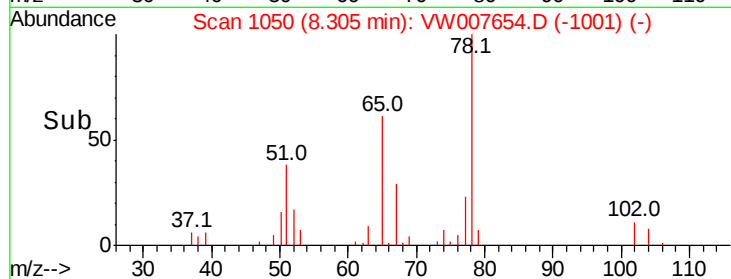
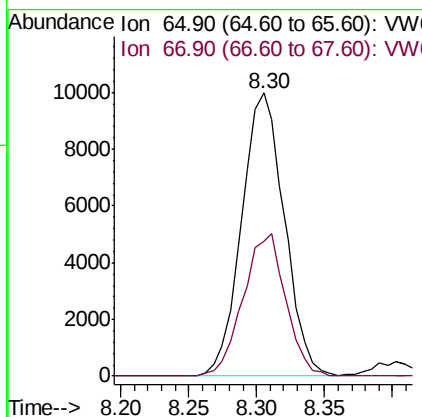
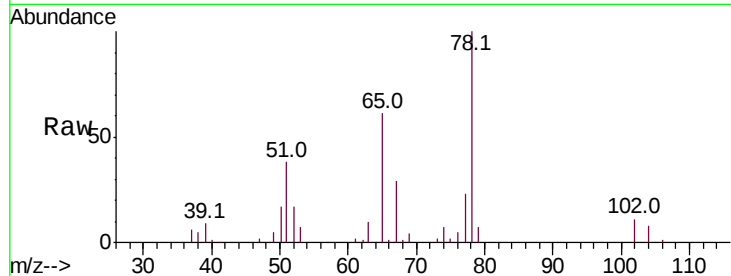




#33
 1,2-Dichloroethane-d4
 Concen: 58.646 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007654.D
 Acq: 18 Dec 2018 13:25

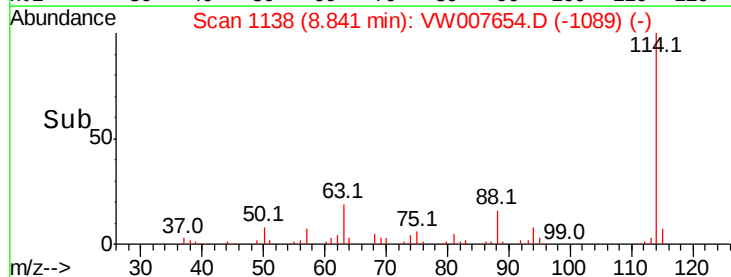
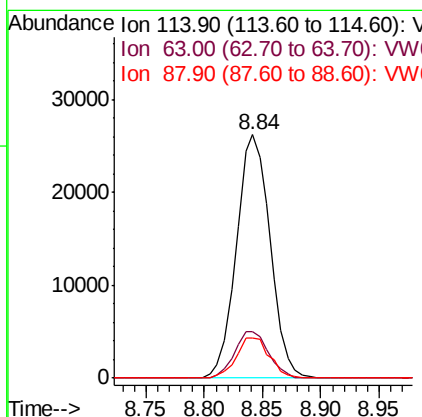
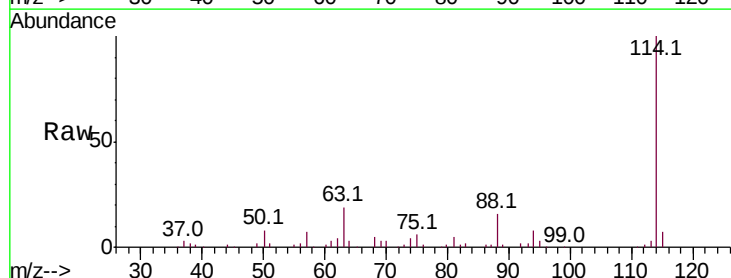
Instrument :
 MSVOA_W
 ClientSampleId :

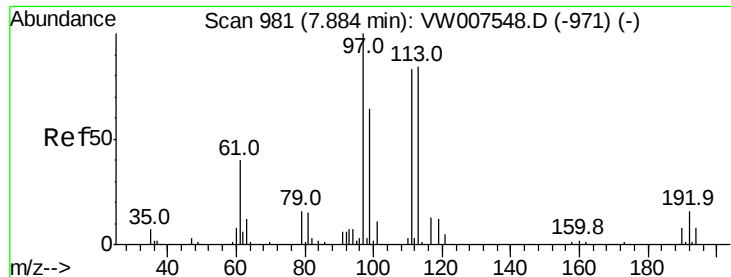
Tot Ion: 65 Resp: 21953
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007654.D
 Acq: 18 Dec 2018 13:25

Tgt Ion: 114 Resp: 52754
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.6
 88 16.5 0.0 31.4





#35

Dibromofluoromethane

Concen: 57.302 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007654.D

Acq: 18 Dec 2018 13:25

Instrument :
MSVOA_W
ClientSampled :

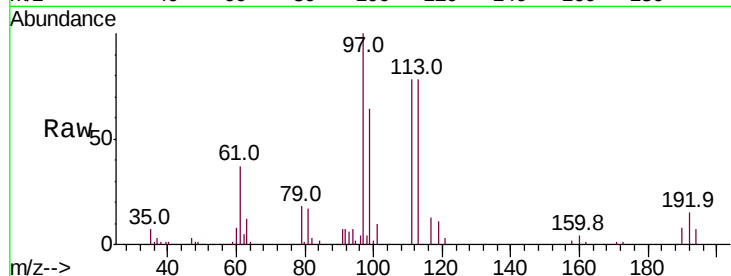
Tot Ion:113 Resp: 18299

Ion Ratio Lower Upper

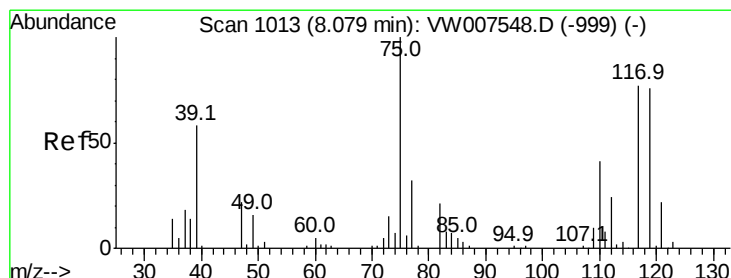
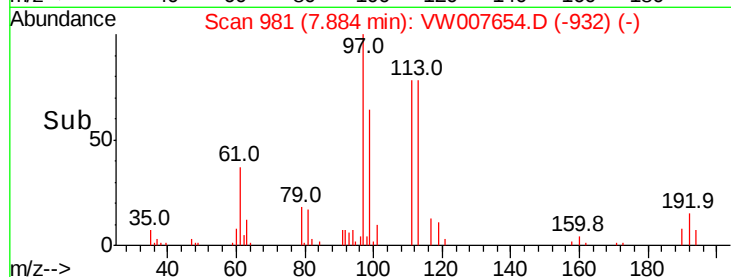
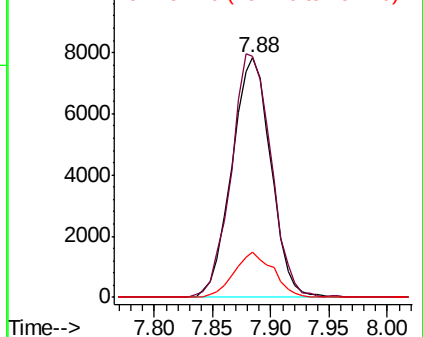
113 100

111 103.2 81.1 121.7

192 18.9 14.6 21.8



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



#36

1,1-Dichloropropene

Concen: 53.150 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW007654.D

Acq: 18 Dec 2018 13:25

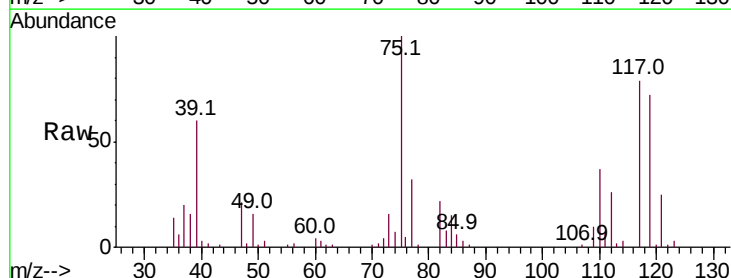
Tgt Ion: 75 Resp: 25578

Ion Ratio Lower Upper

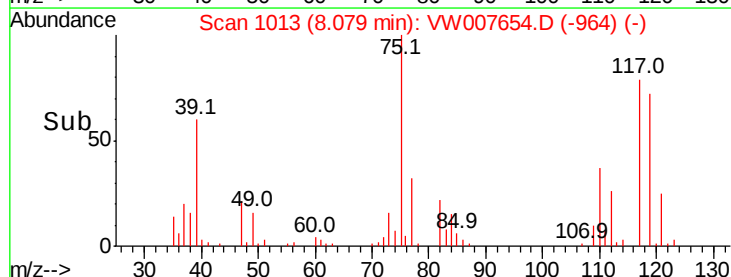
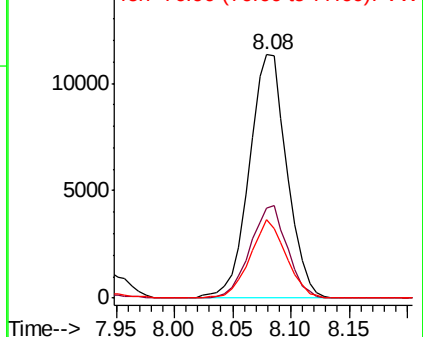
75 100

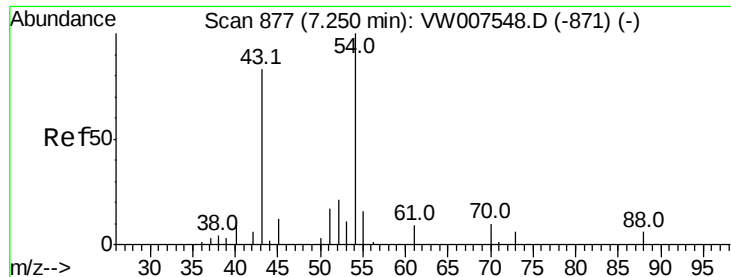
110 37.2 18.5 55.5

77 30.8 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

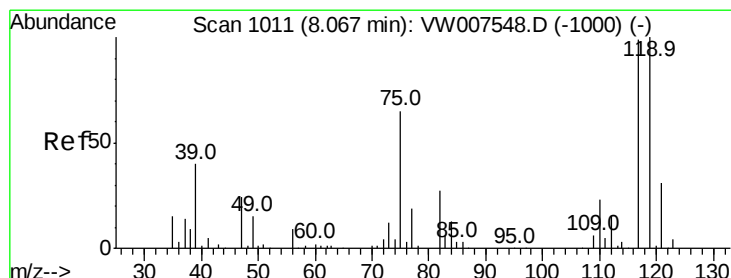
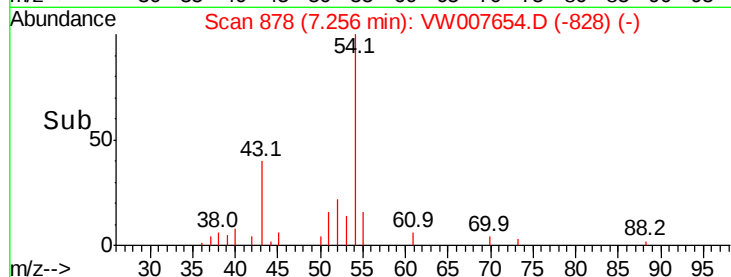
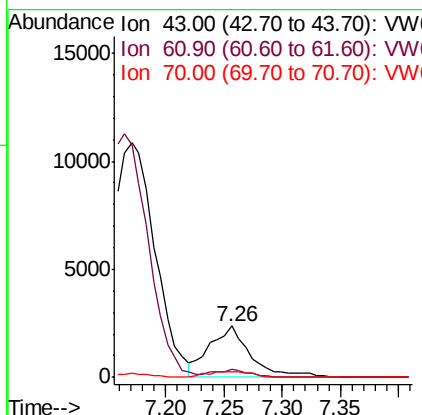
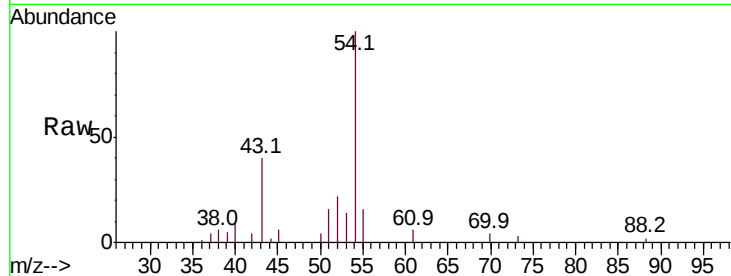




#37
Ethyl Acetate
Concen: 32.270 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW007654.D
Acq: 18 Dec 2018 13:25

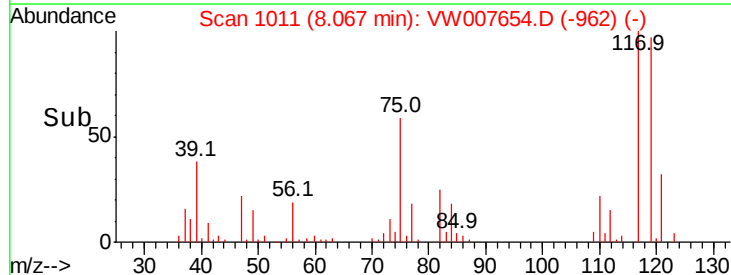
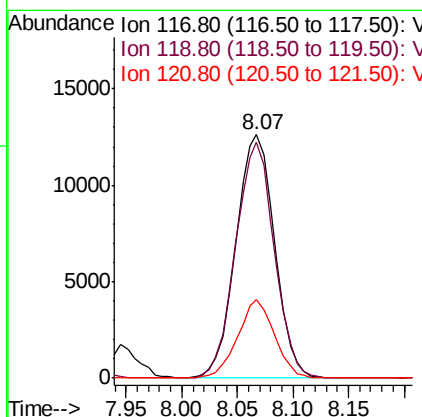
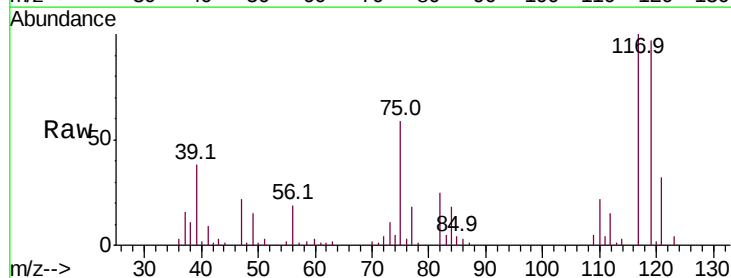
Instrument :
MSVOA_W
ClientSampled :

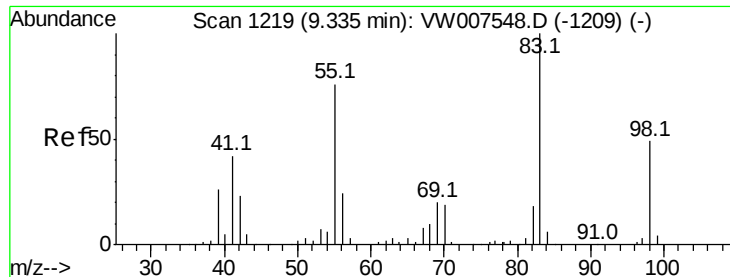
Tot Ion: 43 Resp: 5776
Ion Ratio Lower Upper
43 100
61 0.0 12.1 18.1#
70 12.3 10.0 15.0



#38
Carbon Tetrachloride
Concen: 58.303 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007654.D
Acq: 18 Dec 2018 13:25

Tgt Ion: 117 Resp: 30529
Ion Ratio Lower Upper
117 100
119 96.7 74.3 111.5
121 32.3 24.3 36.5

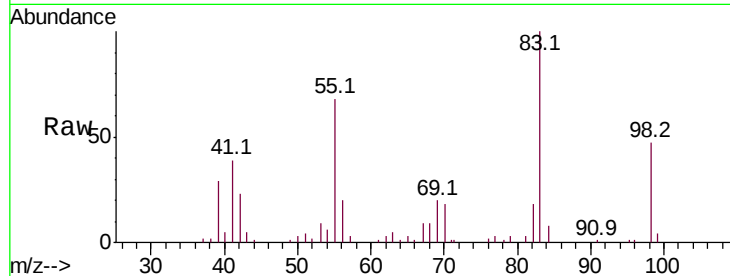




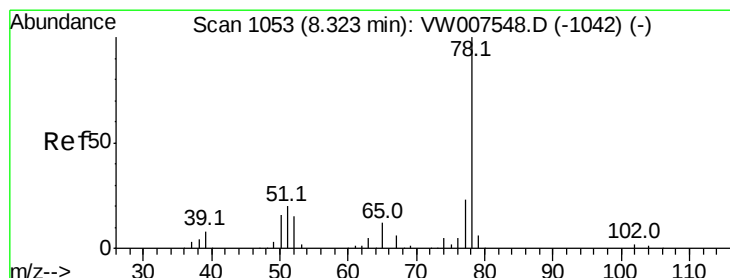
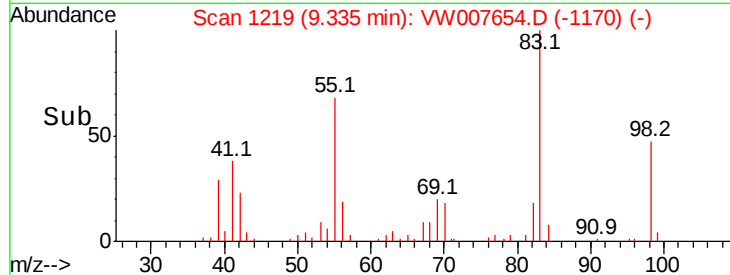
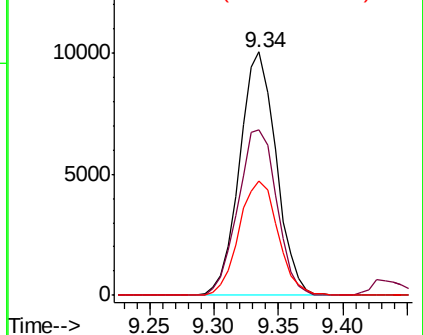
#39
Methvlcvclohexane
Concen: 33.969 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007654.D
Acq: 18 Dec 2018 13:25

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 83 Resp: 19795
Ion Ratio Lower Upper
83 100
55 68.2 62.8 94.2
98 47.0 42.2 63.2

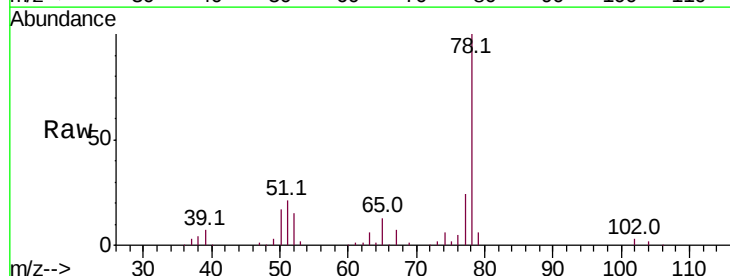


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

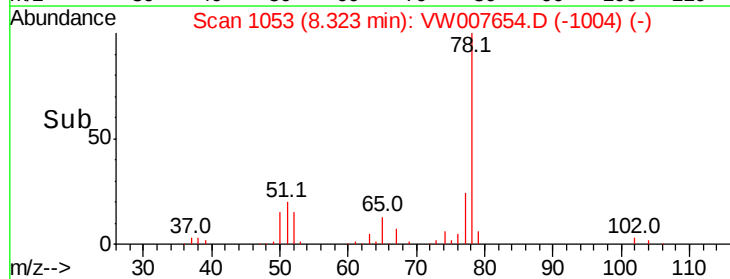
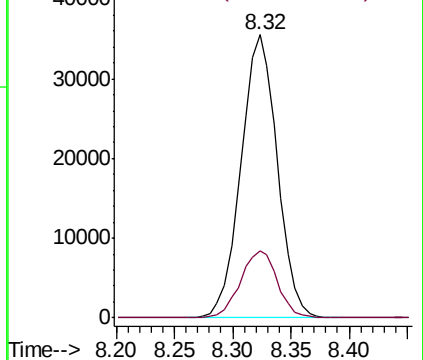


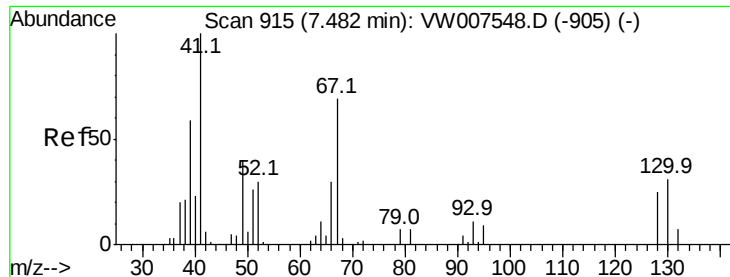
#40
Benzene
Concen: 57.789 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007654.D
Acq: 18 Dec 2018 13:25

Tgt Ion: 78 Resp: 77179
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: 58.032 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW007654.D

Acq: 18 Dec 2018 13:25

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 41 Resp: 5915

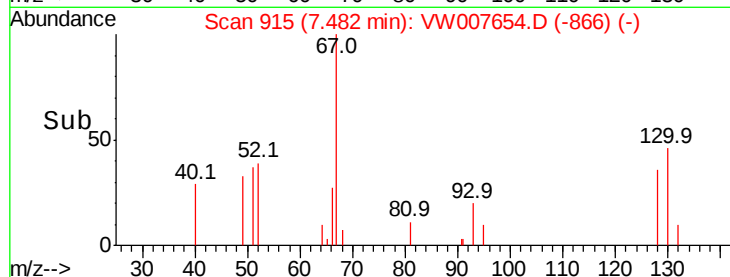
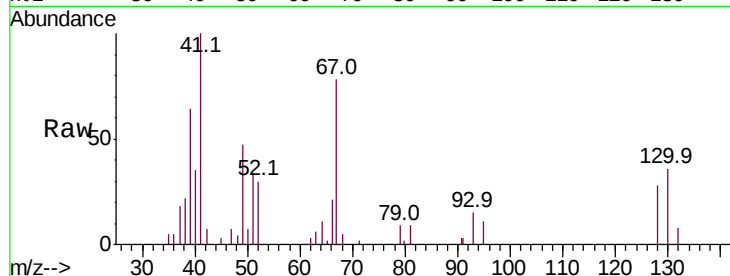
Ion Ratio Lower Upper

41 100

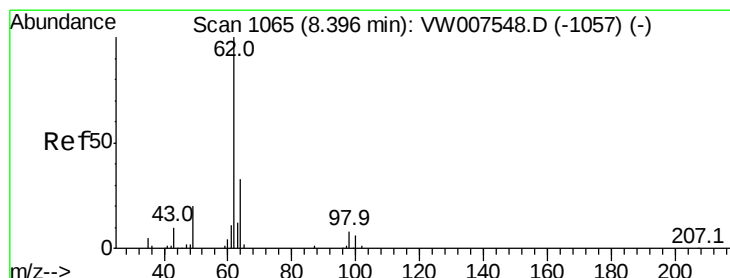
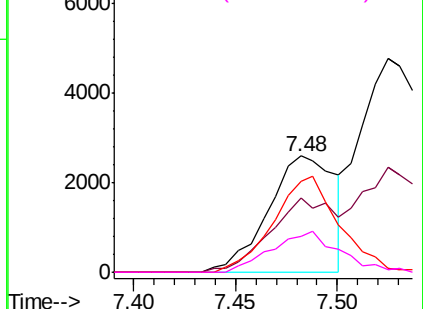
39 61.0 52.2 78.2

67 81.1 60.5 90.7

52 35.7 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: 69.717 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW007654.D

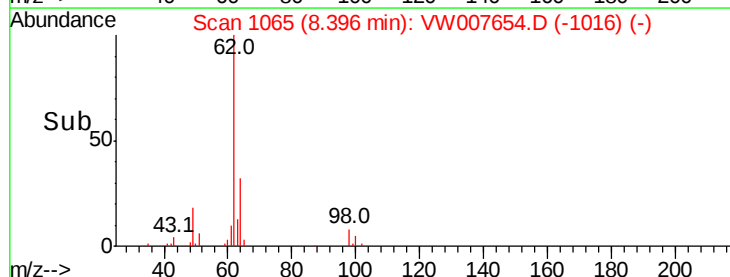
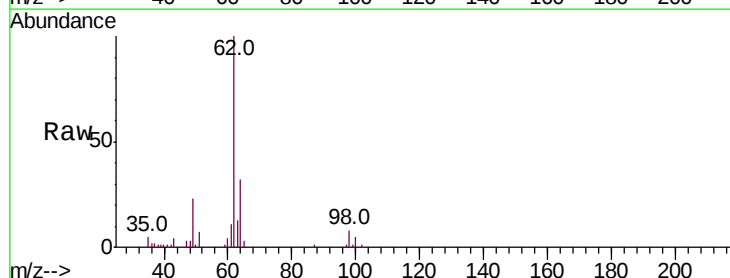
Acq: 18 Dec 2018 13:25

Tgt Ion: 62 Resp: 29248

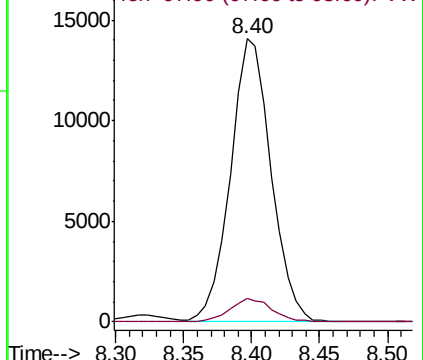
Ion Ratio Lower Upper

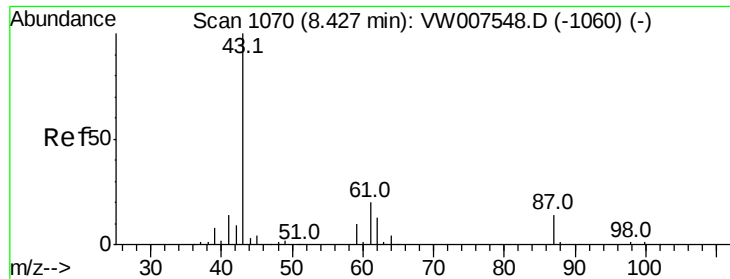
62 100

98 8.3 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: 37.606 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW007654.D

Acq: 18 Dec 2018 13:25

Instrument :

MSVOA_W

ClientSampleId :

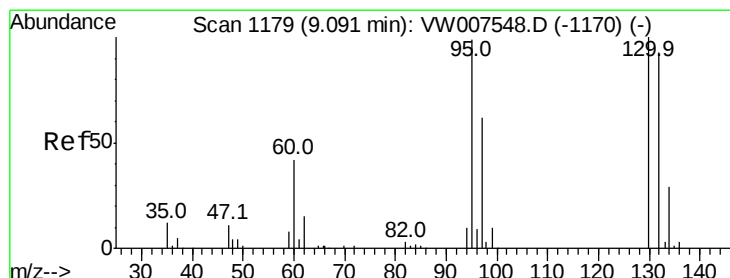
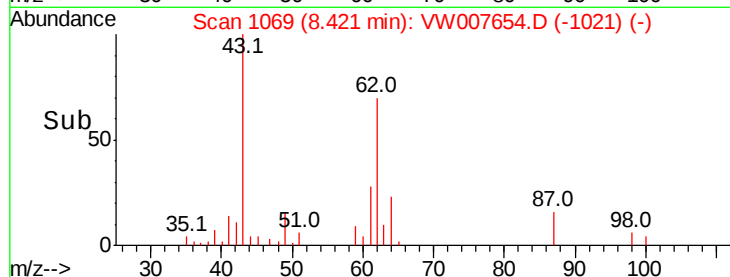
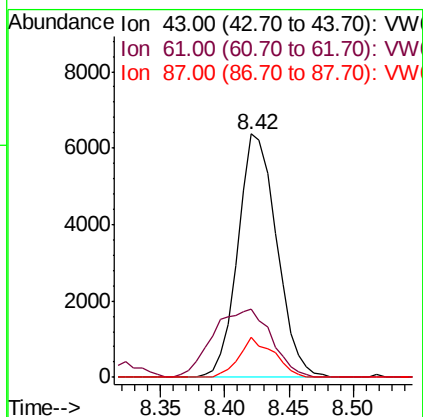
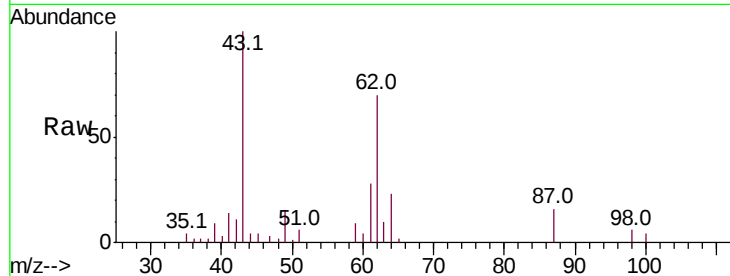
Tot Ion: 43 Resp: 13296

Ion Ratio Lower Upper

43 100

61 42.3 25.3 37.9#

87 14.6 11.8 17.8



#44

Trichloroethene

Concen: 54.490 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007654.D

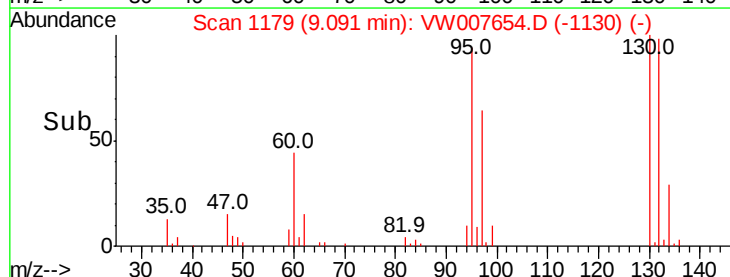
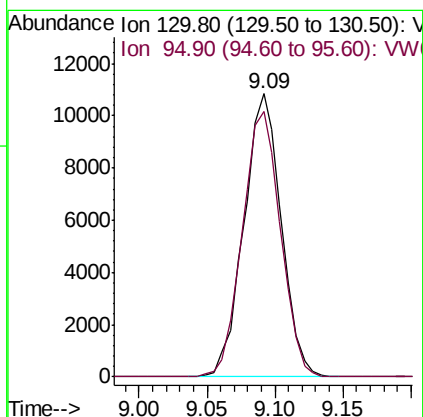
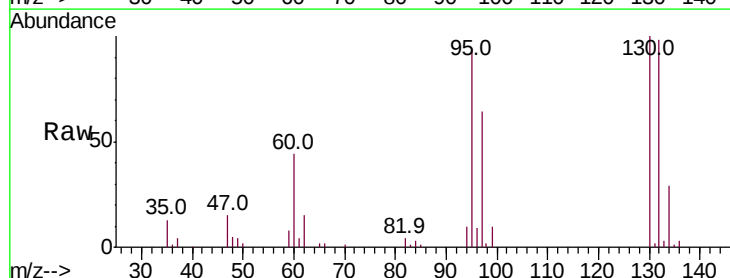
Acq: 18 Dec 2018 13:25

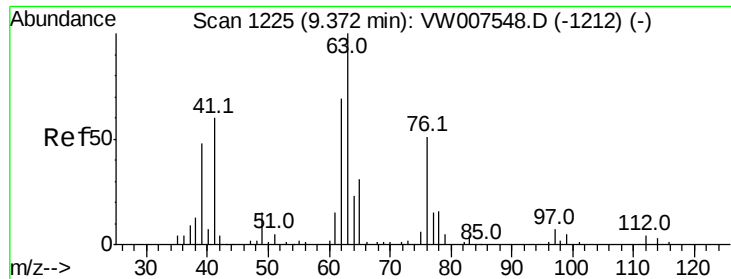
Tgt Ion:130 Resp: 20781

Ion Ratio Lower Upper

130 100

95 93.8 0.0 193.2





#45

1,2-Dichloropropane

Concen: 61.296 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW007654.D

Acq: 18 Dec 2018 13:25

Instrument :

MSVOA_W

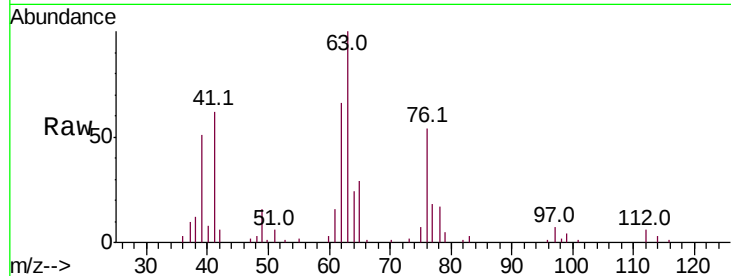
ClientSampleId :

Tot Ion: 63 Resp: 18944

Ion Ratio Lower Upper

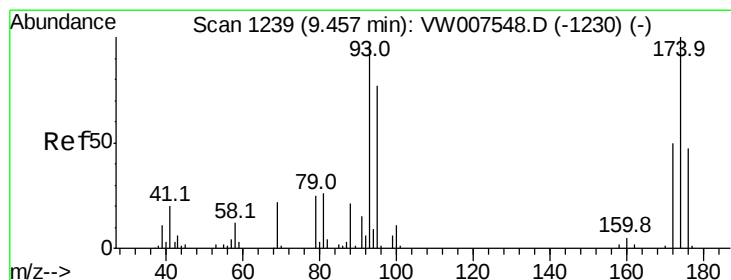
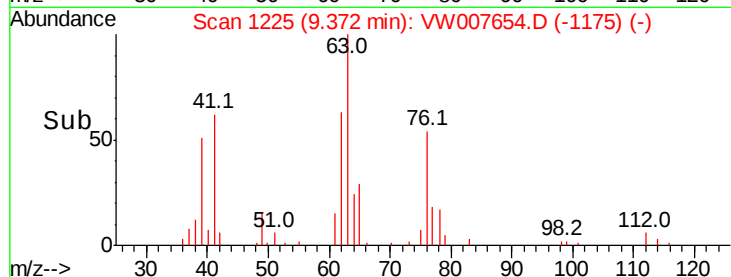
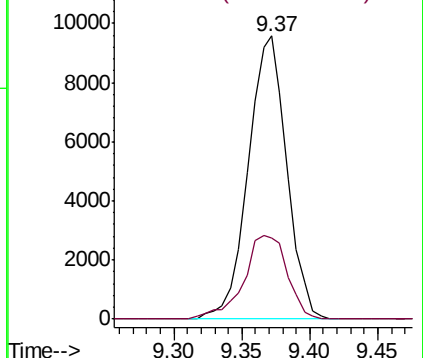
63 100

65 28.9 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: 67.193 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW007654.D

Acq: 18 Dec 2018 13:25

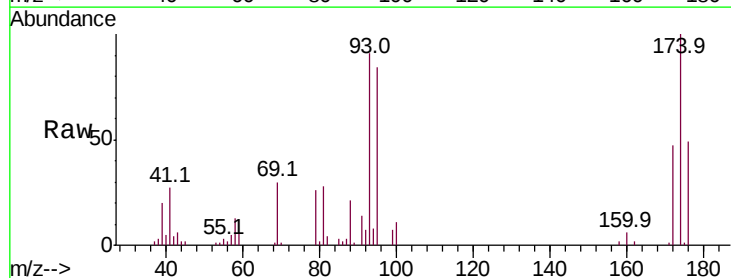
Tgt Ion: 93 Resp: 11793

Ion Ratio Lower Upper

93 100

95 87.1 68.0 102.0

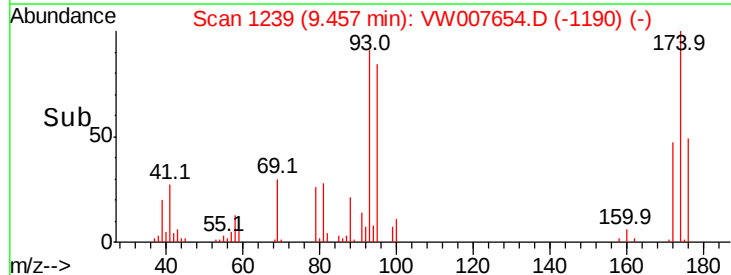
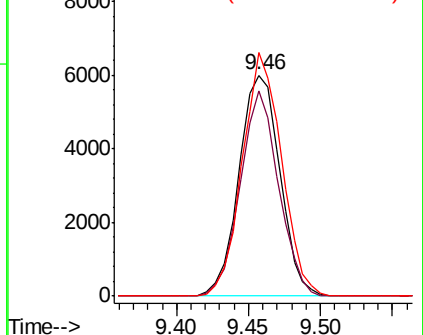
174 105.5 83.2 124.8

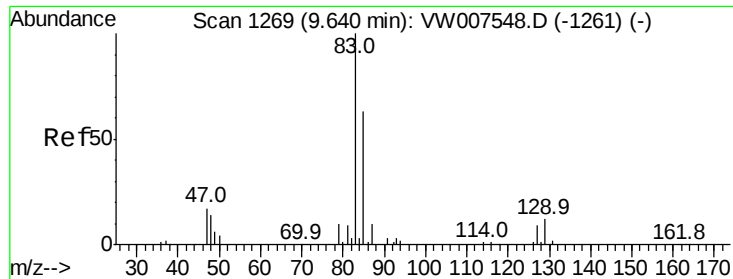


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 62.816 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW007654.D

Acq: 18 Dec 2018 13:25

Instrument :

MSVOA_W

ClientSampleId :

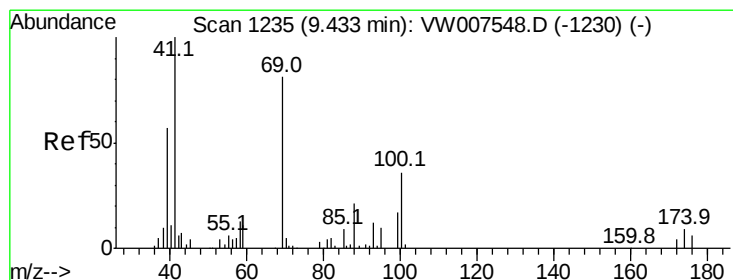
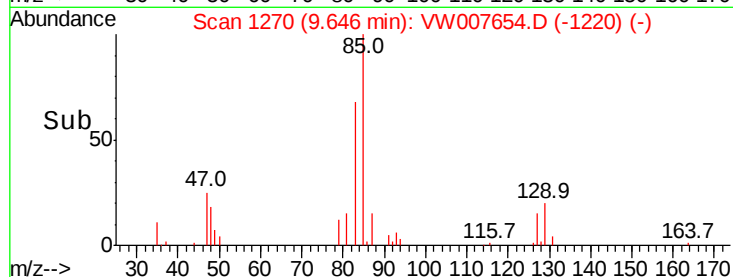
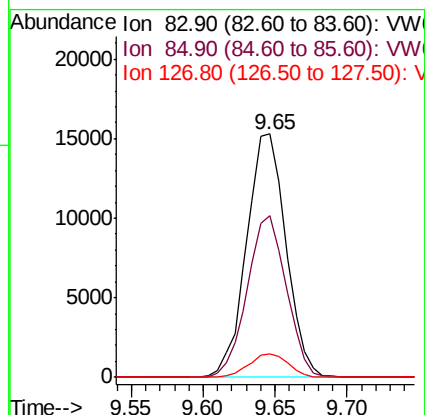
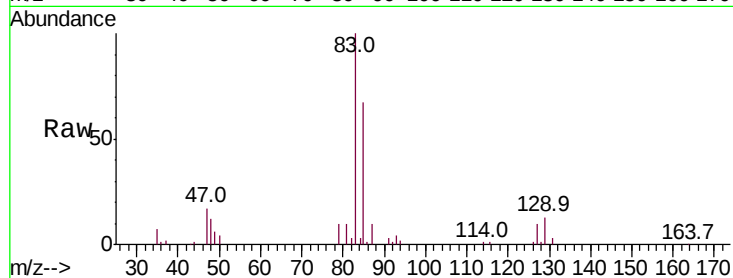
Tot Ion: 83 Resp: 28918

Ion Ratio Lower Upper

83 100

85 66.7 47.6 71.4

127 9.7 6.7 10.1



#48

Methyl methacrylate

Concen: 82.712 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW007654.D

Acq: 18 Dec 2018 13:25

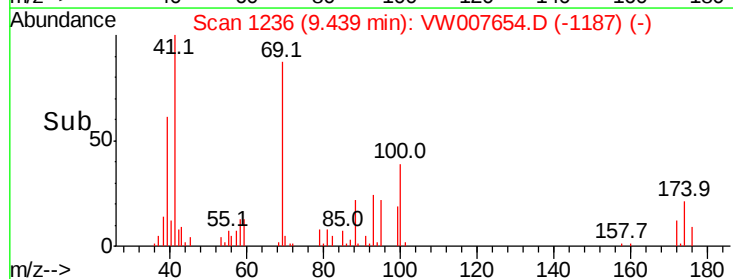
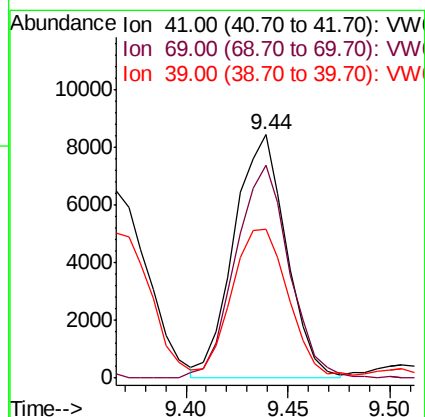
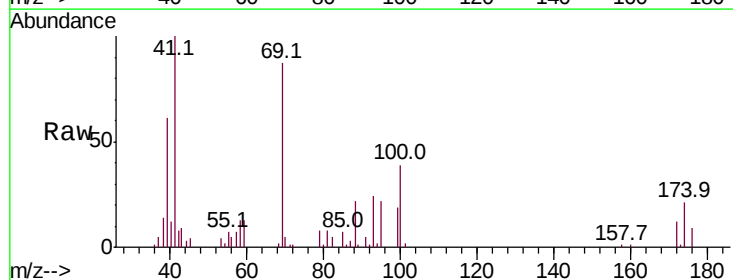
Tgt Ion: 41 Resp: 15019

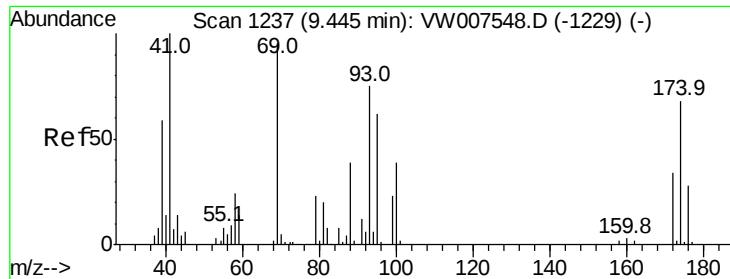
Ion Ratio Lower Upper

41 100

69 89.5 69.8 104.8

39 66.8 50.9 76.3





#49

1,4-Dioxane

Concen: 1516.638 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.01 min

Lab File: VW007654.D

Acq: 18 Dec 2018 13:25

Instrument :
MSVOA_W
ClientSampled :

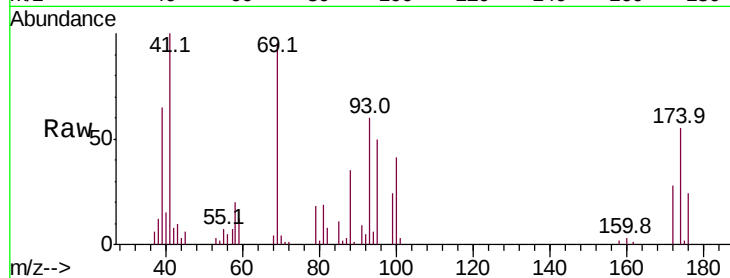
Tot Ion: 88 Resp: 4319

Ion Ratio Lower Upper

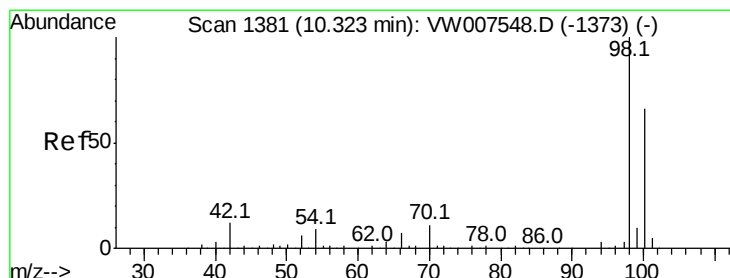
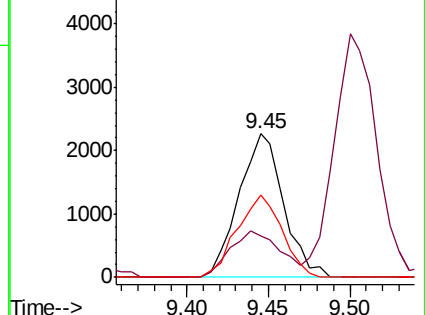
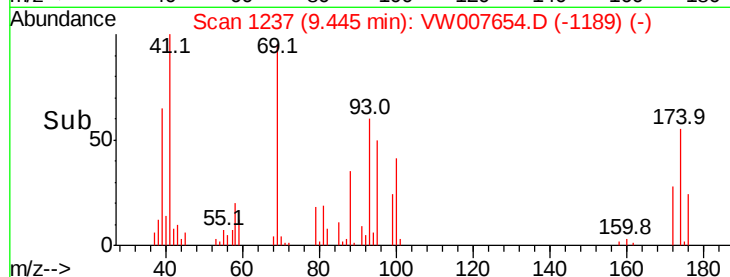
88 100

43 36.4 25.0 37.4

58 57.9 51.4 77.2



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



#50

Toluene-d8

Concen: 49.311 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007654.D

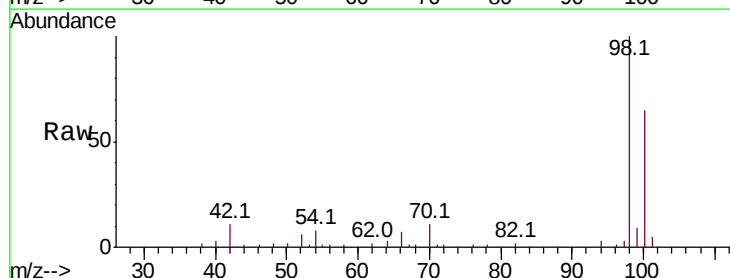
Acq: 18 Dec 2018 13:25

Tgt Ion: 98 Resp: 59043

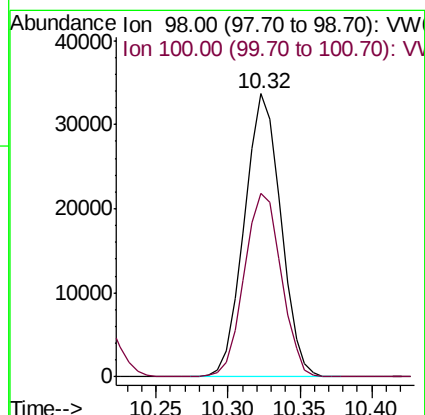
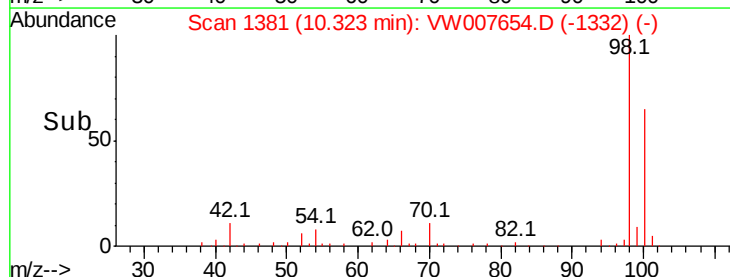
Ion Ratio Lower Upper

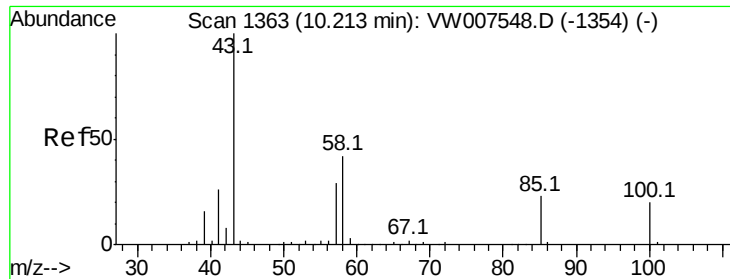
98 100

100 65.9 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: 371.992 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW007654.D

Acq: 18 Dec 2018 13:25

Instrument :

MSVOA_W

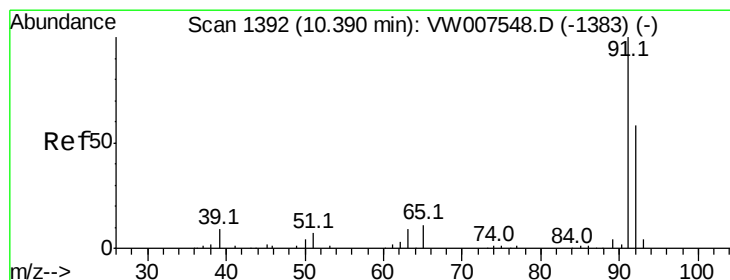
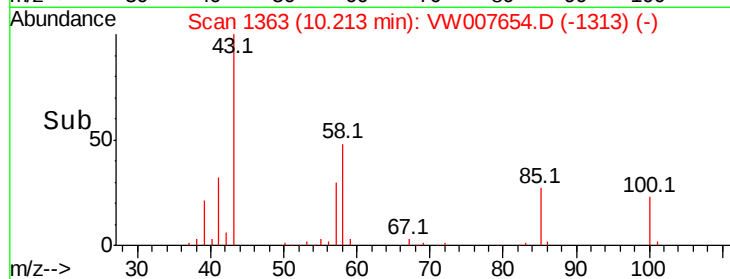
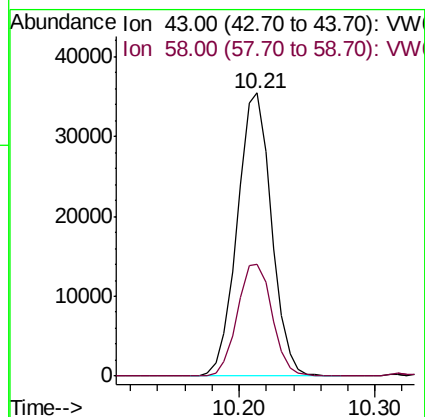
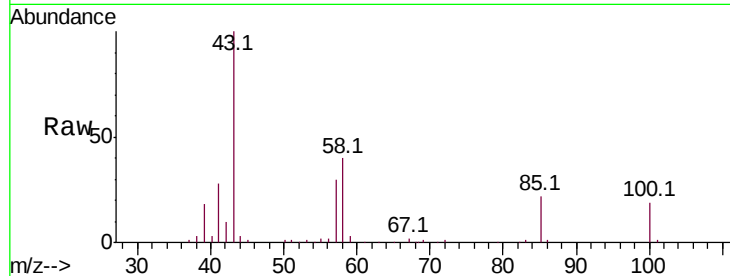
ClientSampled :

Tot Ion: 43 Resp: 62144

Ion Ratio Lower Upper

43 100

58 40.3 33.1 49.7



#52

Toluene

Concen: 54.524 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007654.D

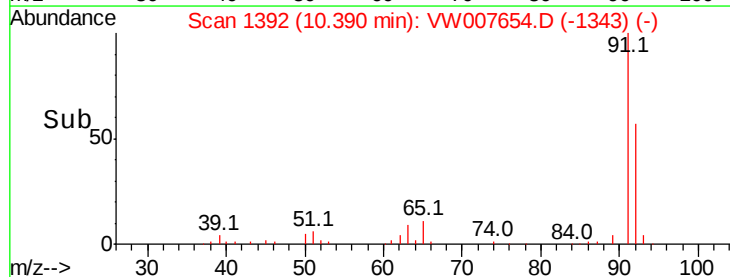
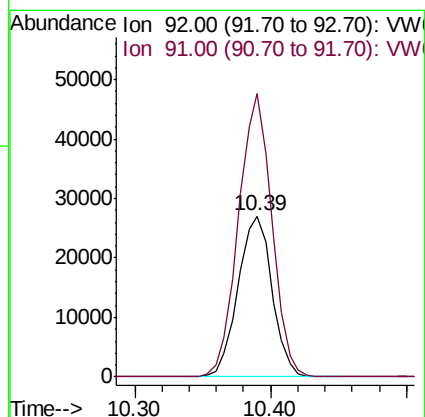
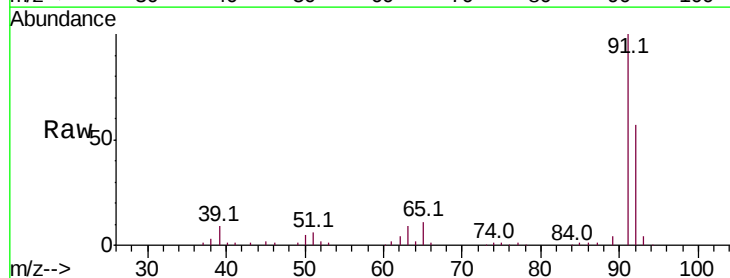
Acq: 18 Dec 2018 13:25

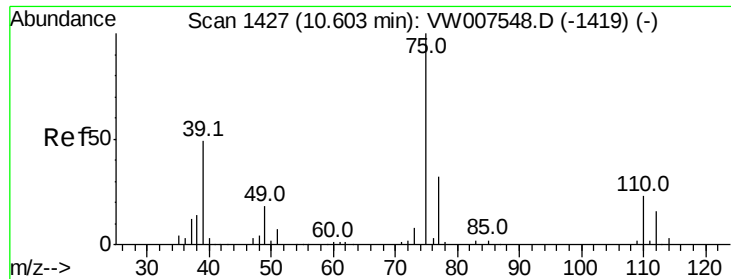
Tgt Ion: 92 Resp: 47124

Ion Ratio Lower Upper

92 100

91 173.0 136.2 204.2





#53

t-1,3-Dichloropropene

Concen: 60.043 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW007654.D

Acq: 18 Dec 2018 13:25

Instrument :

MSVOA_W

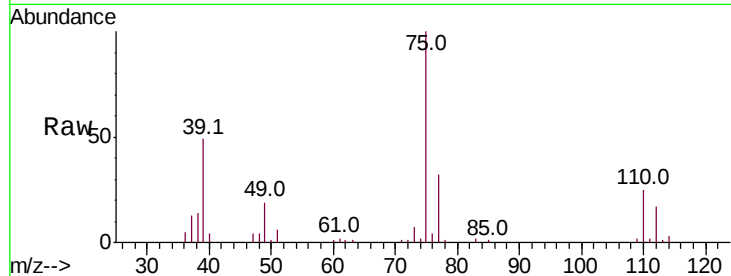
ClientSampleId :

Tot Ion: 75 Resp: 26835

Ion Ratio Lower Upper

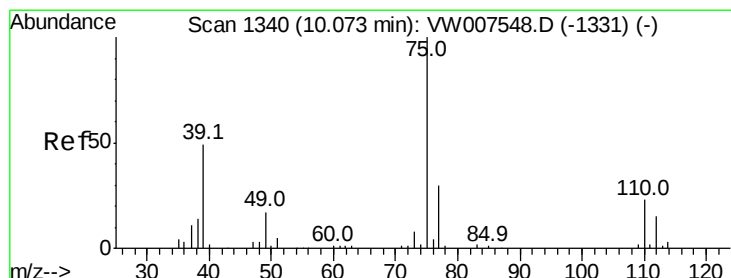
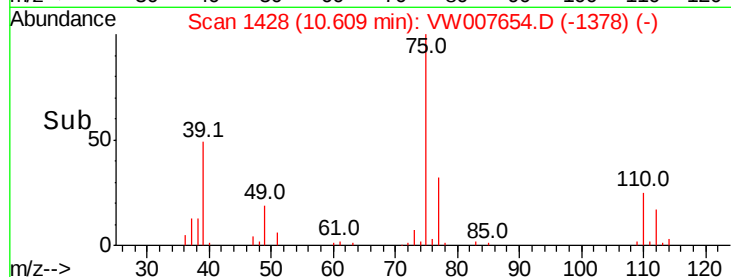
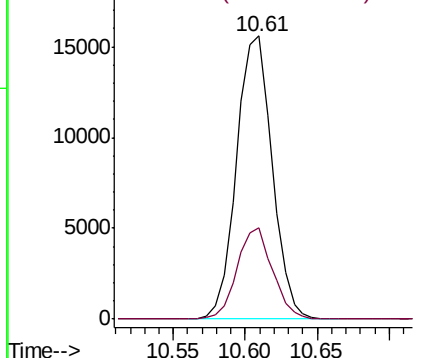
75 100

77 32.4 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: 56.712 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW007654.D

Acq: 18 Dec 2018 13:25

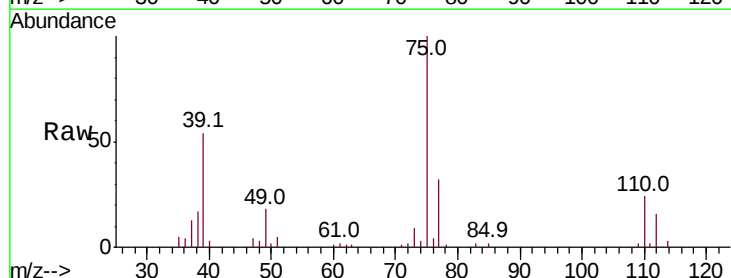
Tgt Ion: 75 Resp: 29301

Ion Ratio Lower Upper

75 100

77 31.8 24.8 37.2

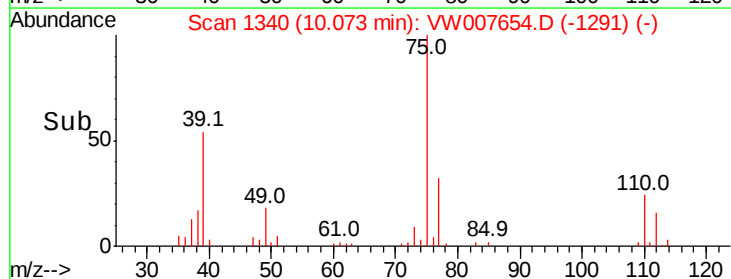
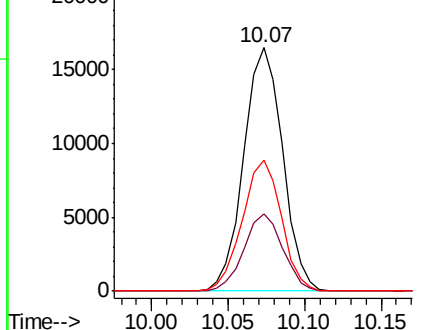
39 53.8 40.9 61.3

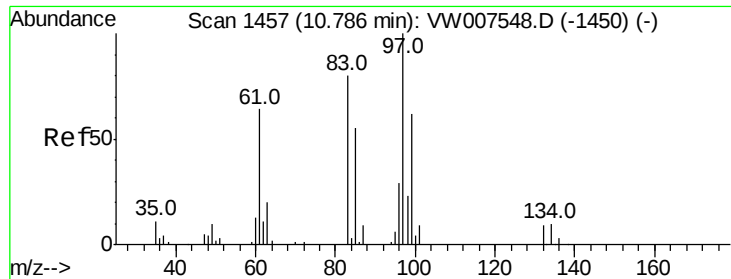


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW





#55

1,1,2-Trichloroethane

Concen: 67.808 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.01 min

Lab File: VW007654.D

Acq: 18 Dec 2018 13:25

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 97 Resp: 16197

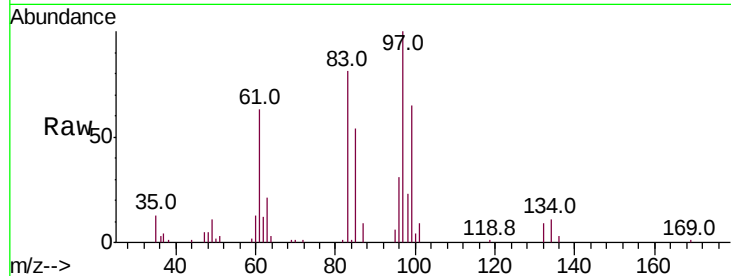
Ion	Ratio	Lower	Upper
97	100		
83	81.2	62.1	93.1
85	54.4	44.2	66.4
99	64.6	50.2	75.4

97 100

83 81.2 62.1 93.1

85 54.4 44.2 66.4

99 64.6 50.2 75.4



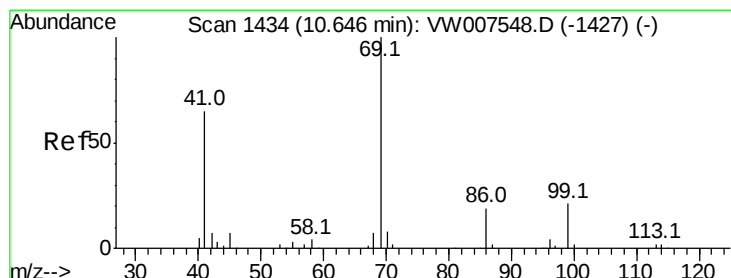
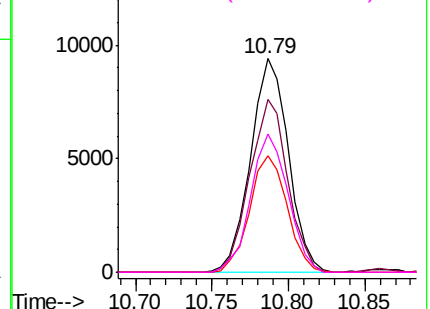
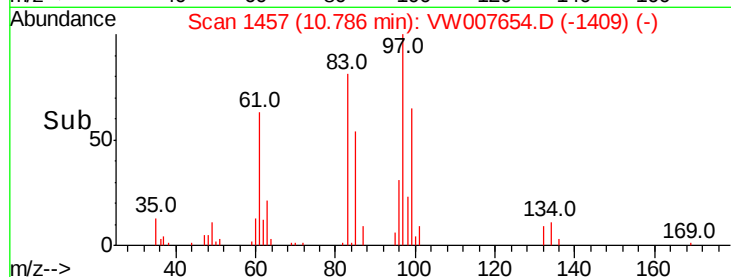
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 31.511 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW007654.D

Acq: 18 Dec 2018 13:25

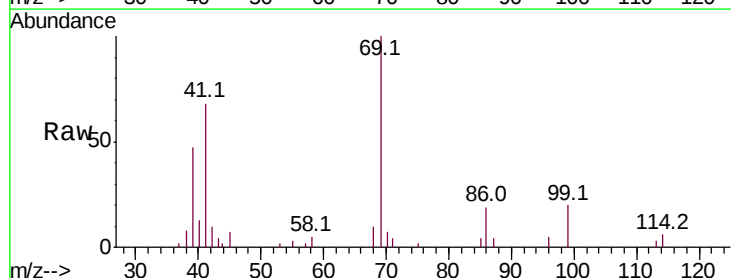
Tgt Ion: 69 Resp: 9047

Ion	Ratio	Lower	Upper
69	100		
41	65.1	51.0	76.6
39	34.9	30.8	46.2

69 100

41 65.1 51.0 76.6

39 34.9 30.8 46.2

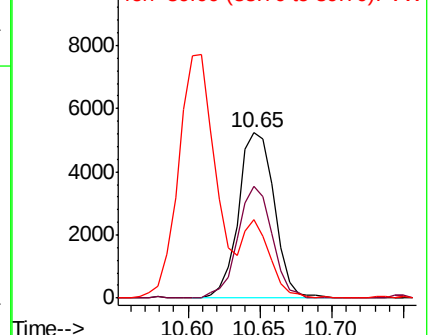
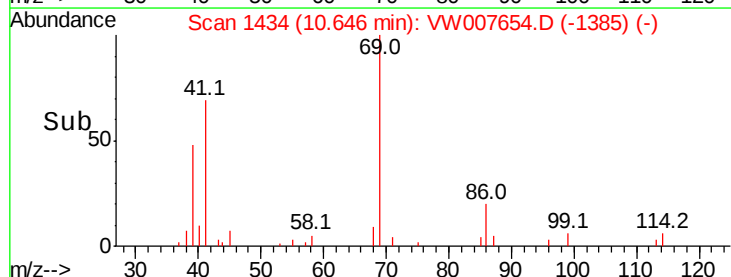


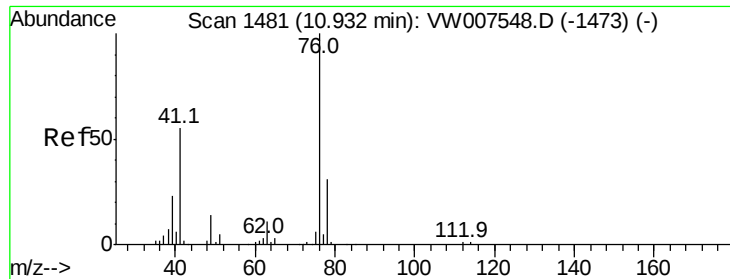
Abundance

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: 68.499 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW007654.D

Acq: 18 Dec 2018 13:25

Instrument :

MSVOA_W

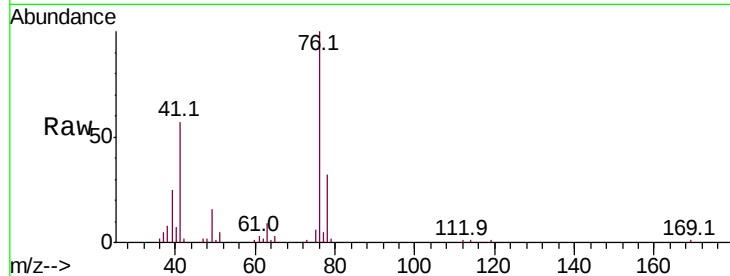
ClientSampleId :

Tot Ion: 76 Resp: 26856

Ion Ratio Lower Upper

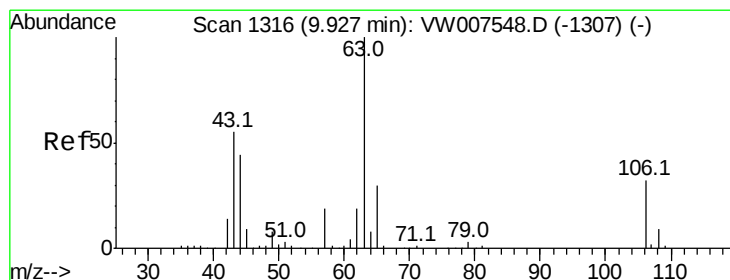
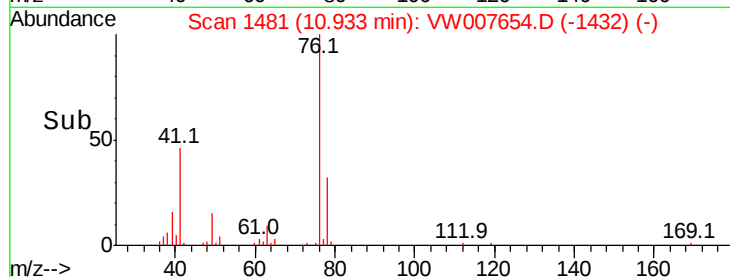
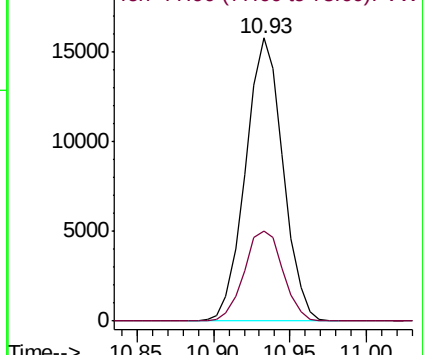
76 100

78 32.9 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#58

2-Chloroethyl Vinyl ether

Concen: 335.491 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW007654.D

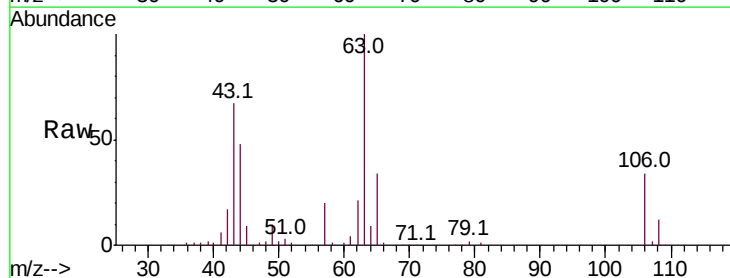
Acq: 18 Dec 2018 13:25

Tgt Ion: 63 Resp: 44419

Ion Ratio Lower Upper

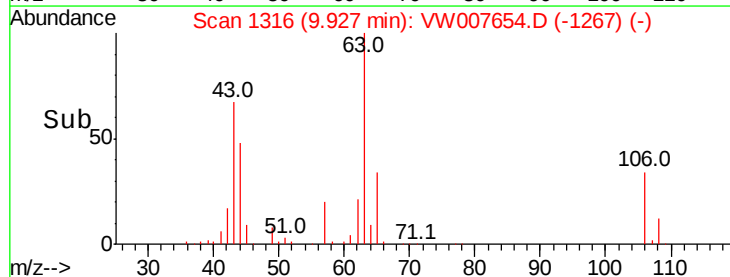
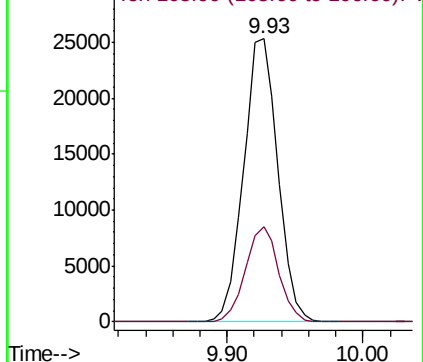
63 100

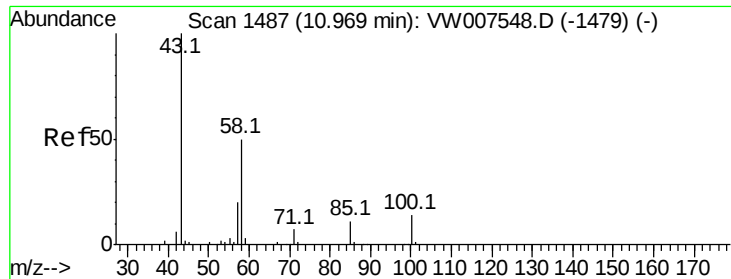
106 32.7 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

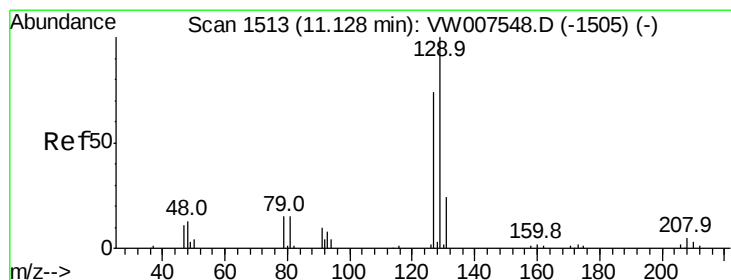
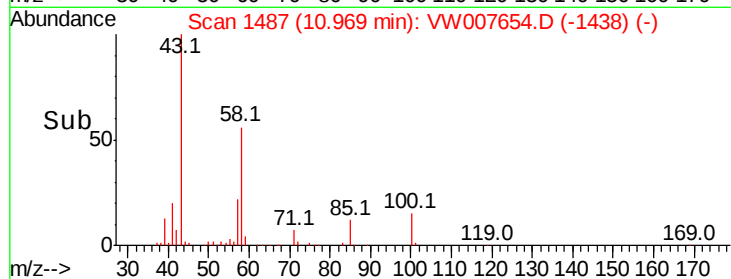
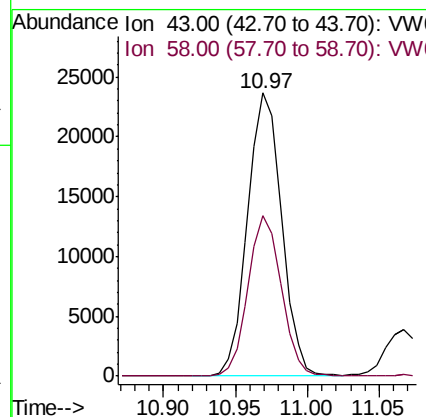
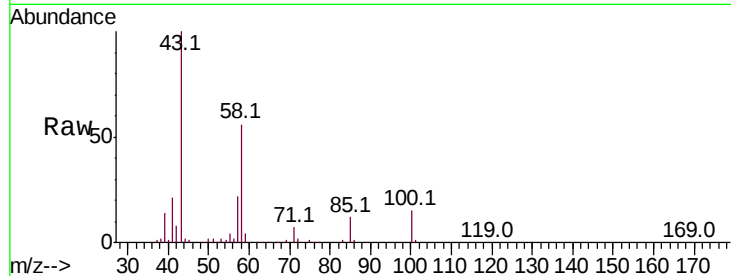




#59
2-Hexanone
Concen: 348.852 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007654.D
Acq: 18 Dec 2018 13:25

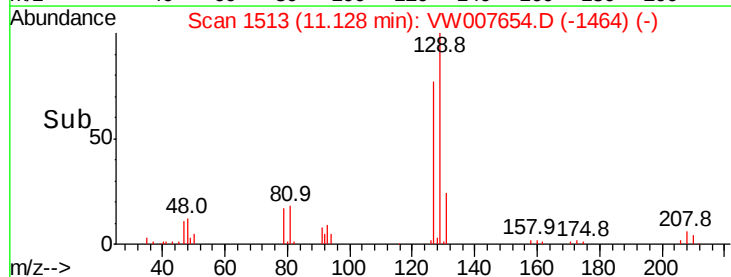
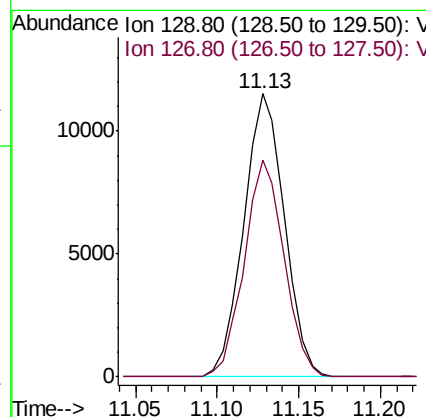
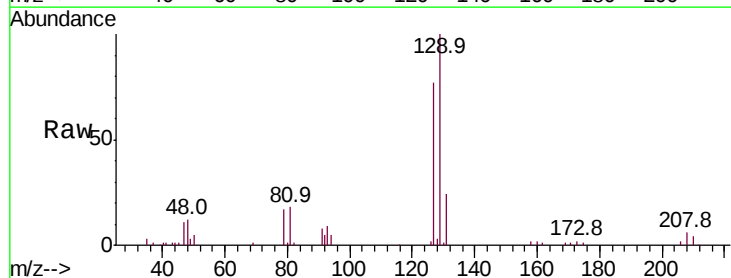
Instrument :
MSVOA_W
ClientSampled :

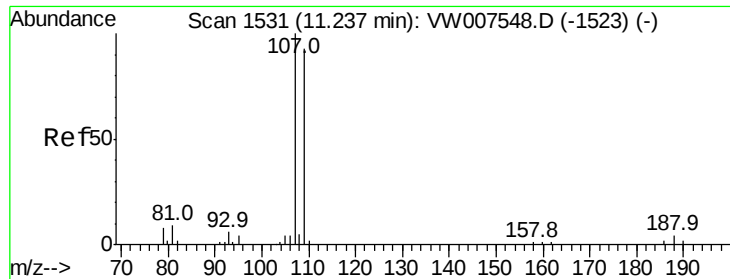
Tot Ion: 43 Resp: 38860
Ion Ratio Lower Upper
43 100
58 55.1 27.1 81.3



#60
Dibromochloromethane
Concen: 66.286 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007654.D
Acq: 18 Dec 2018 13:25

Tgt Ion: 129 Resp: 19982
Ion Ratio Lower Upper
129 100
127 74.9 38.1 114.3





#61

1,2-Dibromoethane

Concen: 67.217 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW007654.D

Acq: 18 Dec 2018 13:25

Instrument :

MSVOA_W

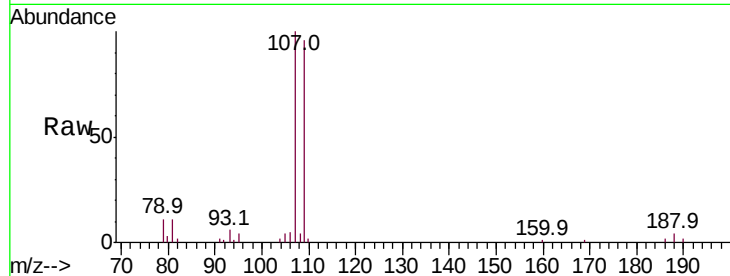
ClientSampleId :

Tot Ion:107 Resp: 15867

Ion Ratio Lower Upper

107 100

109 93.3 79.1 118.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

10000

8000

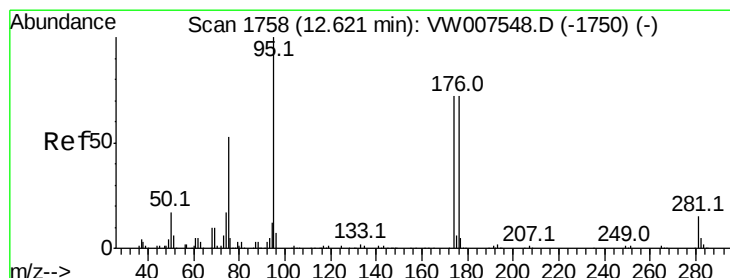
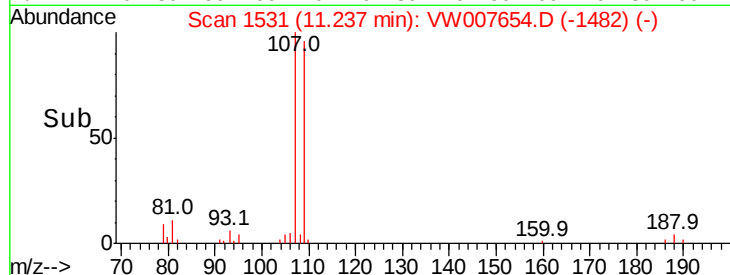
6000

4000

2000

0

Time--> 11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 40.133 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007654.D

Acq: 18 Dec 2018 13:25

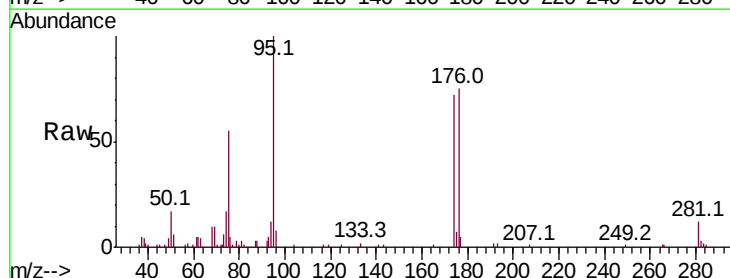
Tgt Ion: 95 Resp: 17668

Ion Ratio Lower Upper

95 100

174 75.5 0.0 147.2

176 74.0 0.0 138.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

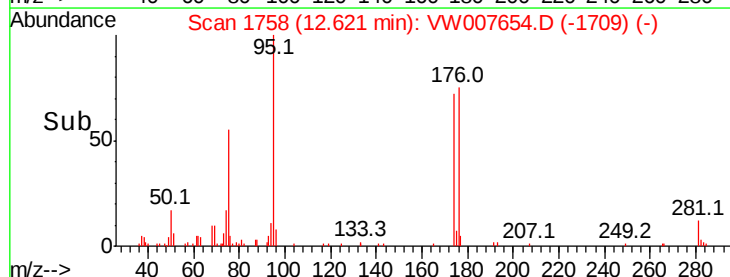
15000

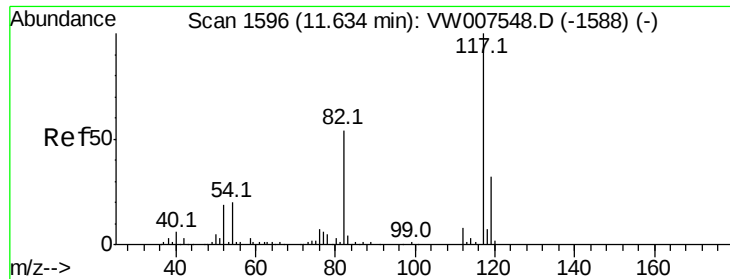
10000

5000

0

Time--> 12.55 12.60 12.65 12.70

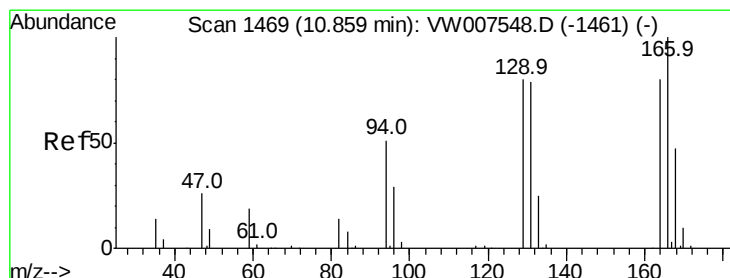
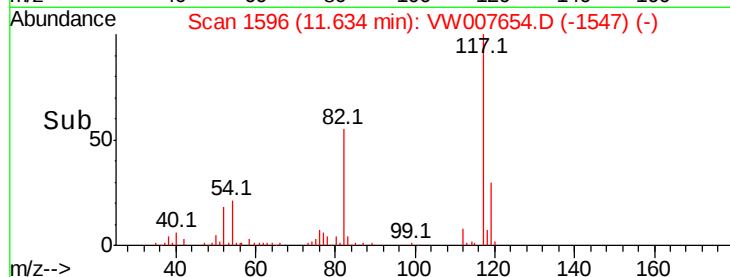
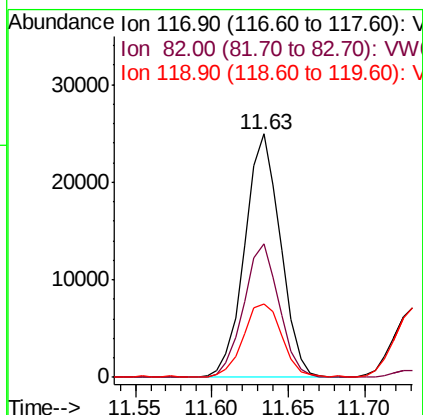
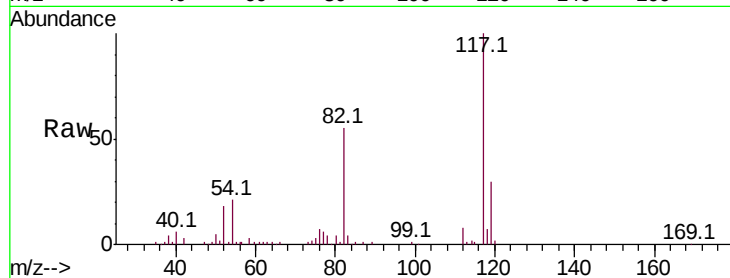




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007654.D
Acq: 18 Dec 2018 13:25

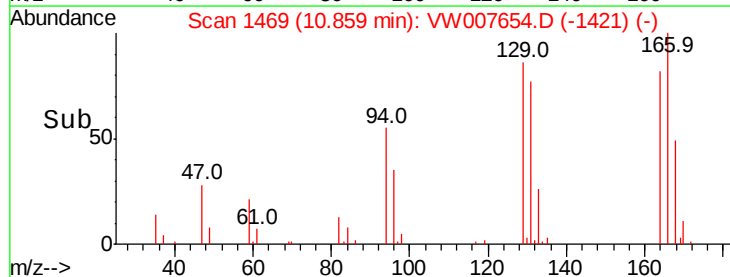
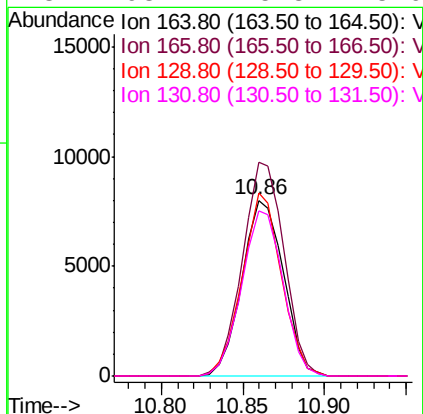
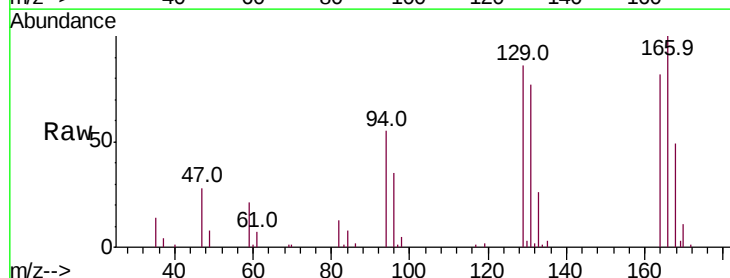
Instrument :
MSVOA_W
ClientSampleId :

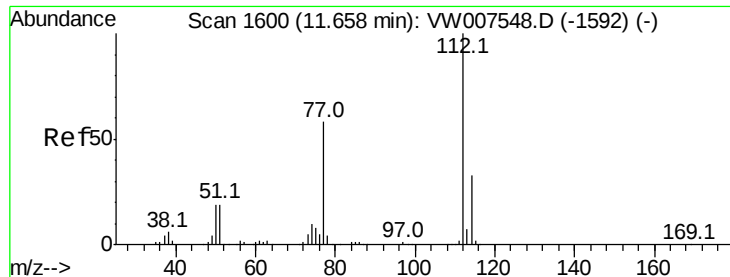
Tot Ion:117 Resp: 40549
Ion Ratio Lower Upper
117 100
82 54.7 42.3 63.5
119 29.9 23.0 34.6



#64
Tetrachloroethene
Concen: 48.560 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW007654.D
Acq: 18 Dec 2018 13:25

Tgt Ion:164 Resp: 14160
Ion Ratio Lower Upper
164 100
166 121.6 107.9 161.9
129 104.5 73.4 110.2
131 93.7 75.8 113.6

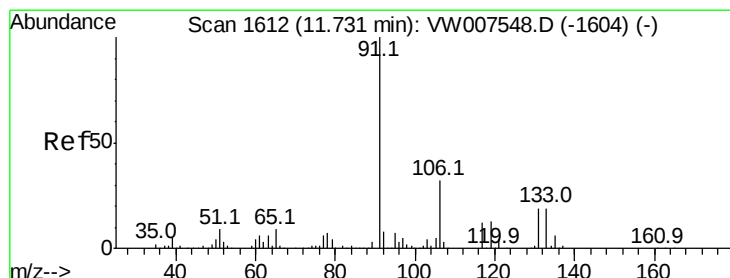
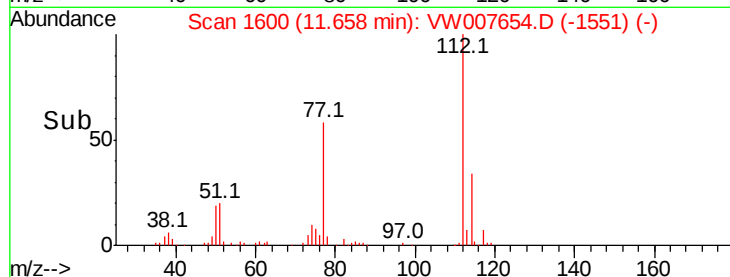
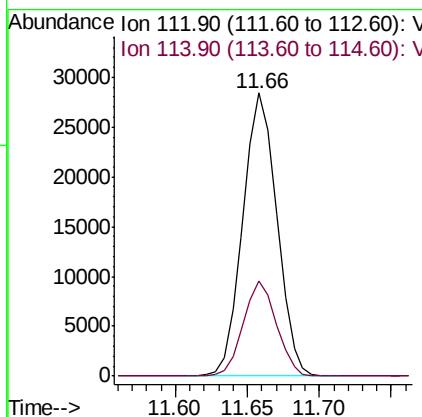
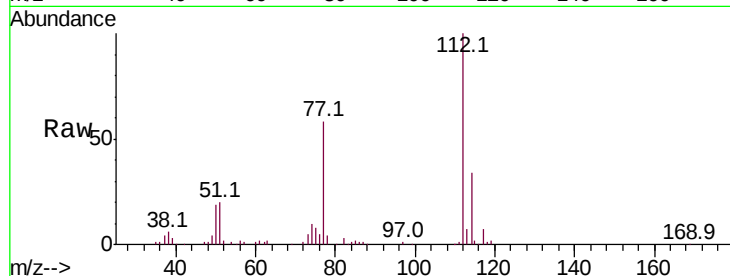




#65
Chlorobenzene
Concen: 55.266 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007654.D
Acq: 18 Dec 2018 13:25

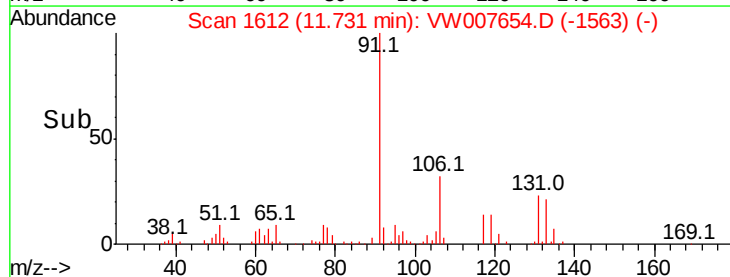
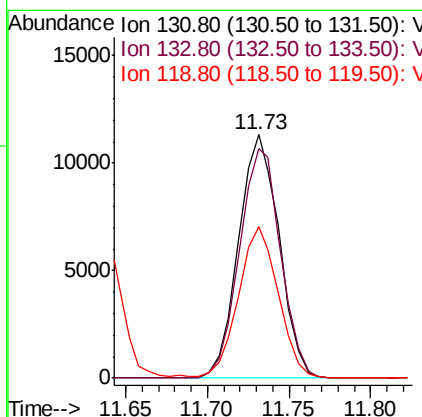
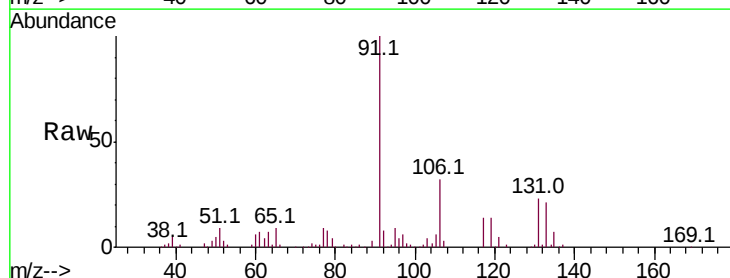
Instrument :
MSVOA_W
ClientSampleId :

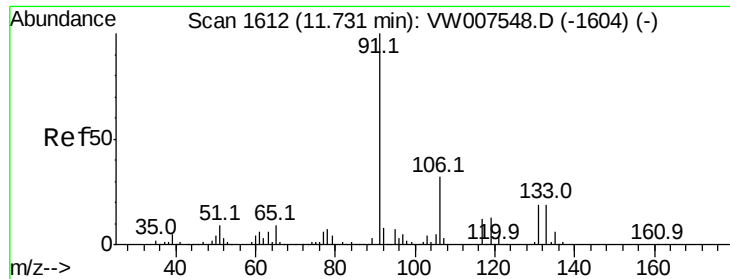
Tot Ion:112 Resp: 46709
Ion Ratio Lower Upper
112 100
114 33.6 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 65.415 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007654.D
Acq: 18 Dec 2018 13:25

Tgt Ion:131 Resp: 19472
Ion Ratio Lower Upper
131 100
133 95.9 47.1 141.4
119 61.5 31.3 93.9

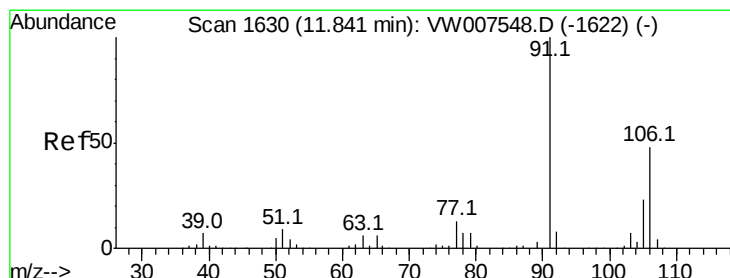
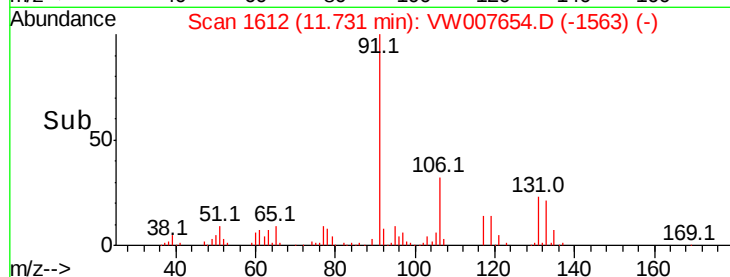
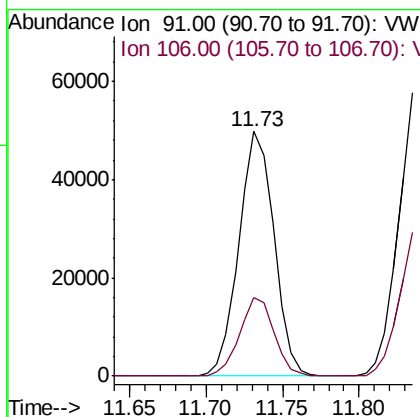
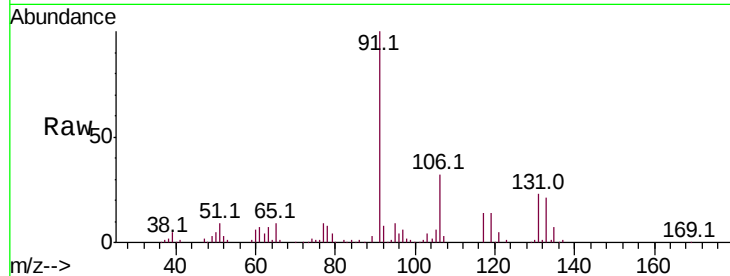




#67
Ethyl Benzene
Concen: 54.774 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007654.D
Acq: 18 Dec 2018 13:25

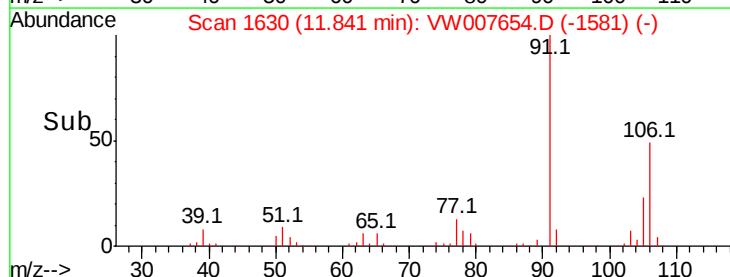
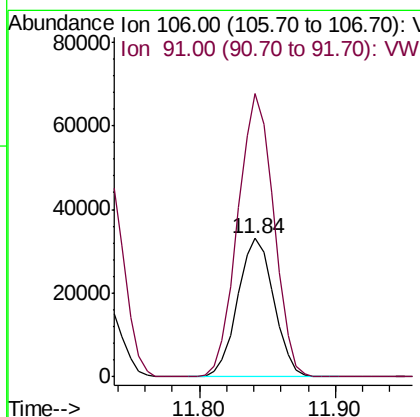
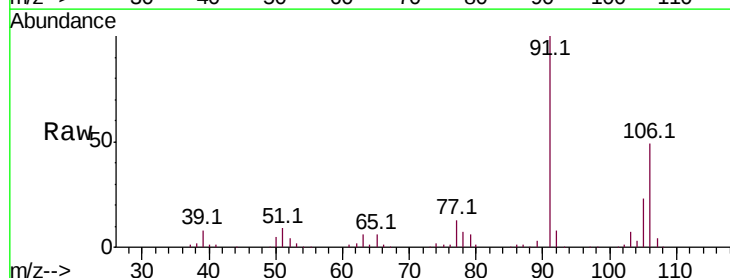
Instrument :
MSVOA_W
ClientSampleId :

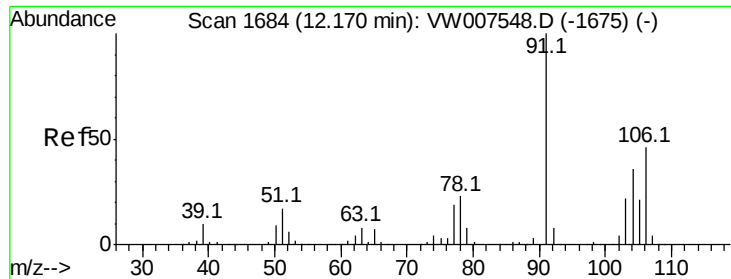
Tot Ion: 91 Resp: 79591
Ion Ratio Lower Upper
91 100
106 31.9 21.8 32.8



#68
m/p-Xylenes
Concen: 108.765 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007654.D
Acq: 18 Dec 2018 13:25

Tgt Ion: 106 Resp: 61441
Ion Ratio Lower Upper
106 100
91 203.8 165.3 247.9

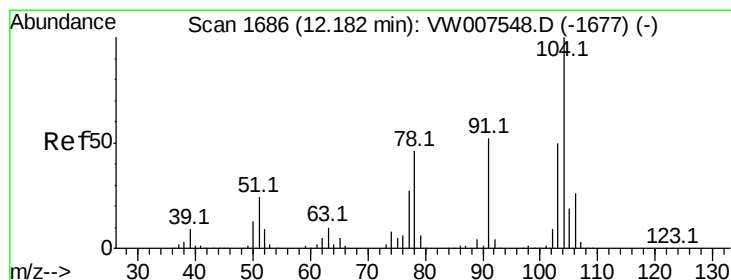
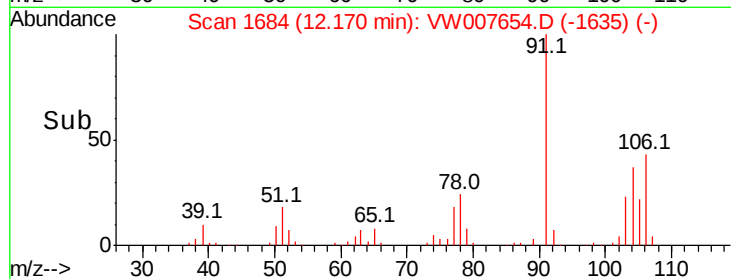
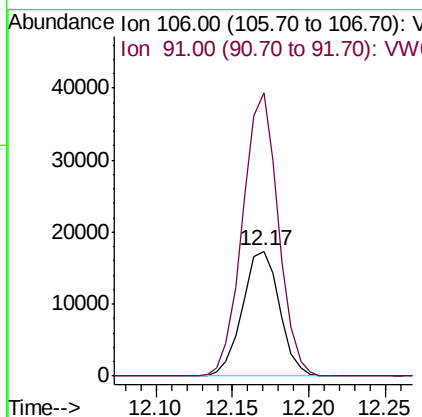
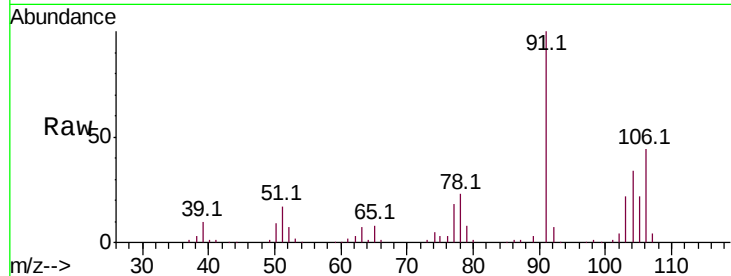




#69
o-Xylene
Concen: 55.516 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007654.D
Acq: 18 Dec 2018 13:25

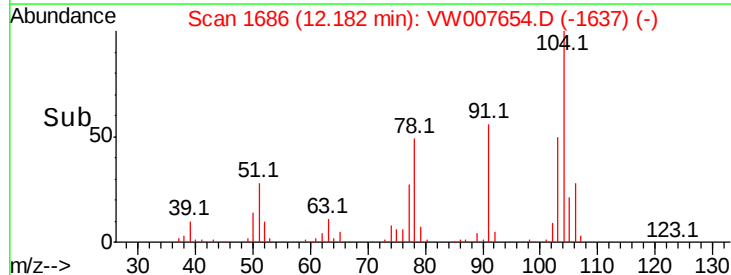
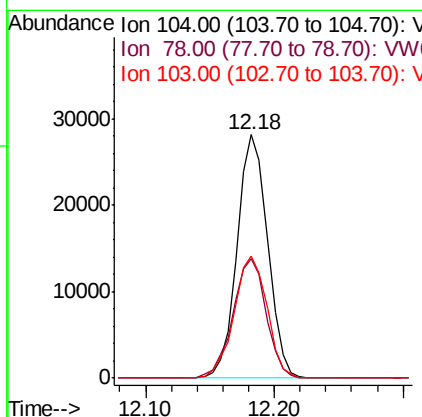
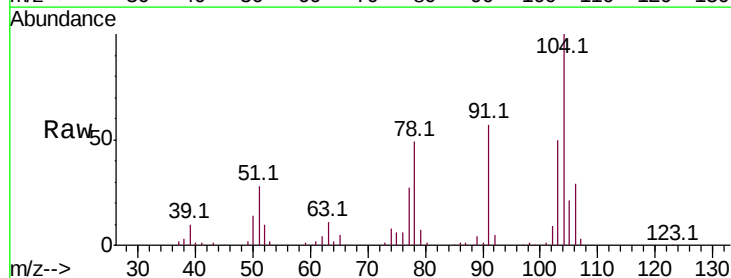
Instrument :
MSVOA_W
ClientSampled :

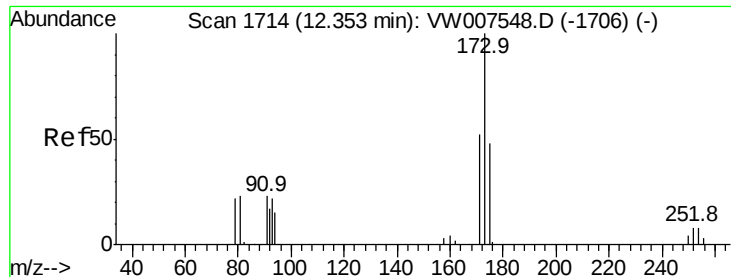
Tot Ion:106 Resp: 29289
Ion Ratio Lower Upper
106 100
91 217.5 106.6 319.8



#70
Styrene
Concen: 54.186 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007654.D
Acq: 18 Dec 2018 13:25

Tgt Ion:104 Resp: 46174
Ion Ratio Lower Upper
104 100
78 53.5 41.8 62.8
103 54.4 46.6 69.8





#71

Bromoform

Concen: 70.695 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW007654.D

Acq: 18 Dec 2018 13:25

Instrument :

MSVOA_W

ClientSampleId :

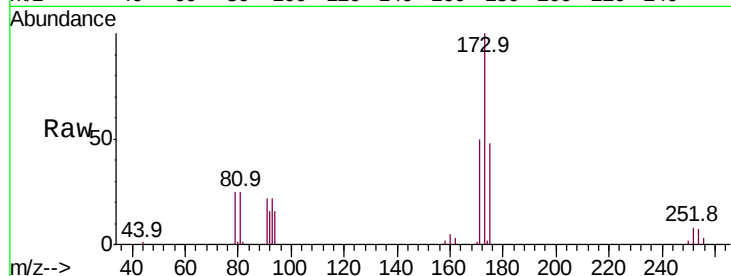
Tot Ion:173 Resp: 10771

Ion Ratio Lower Upper

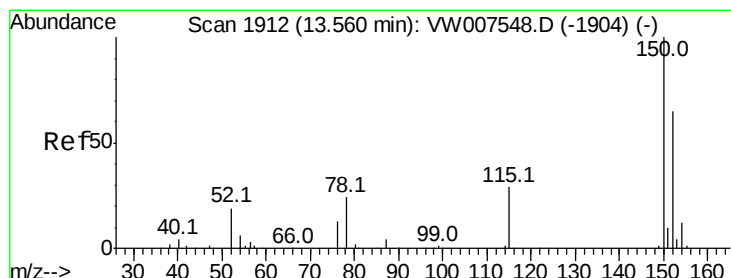
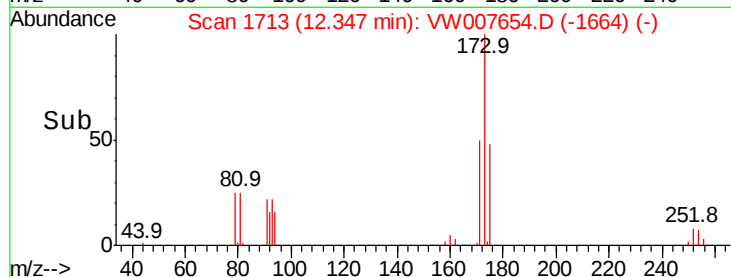
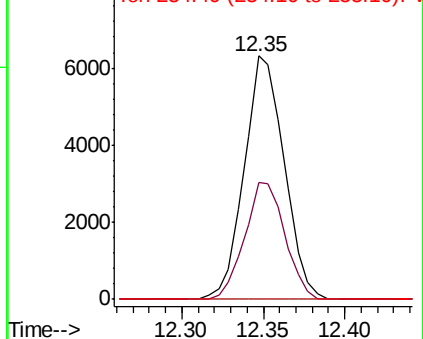
173 100

175 48.0 23.6 70.8

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW007654.D

Acq: 18 Dec 2018 13:25

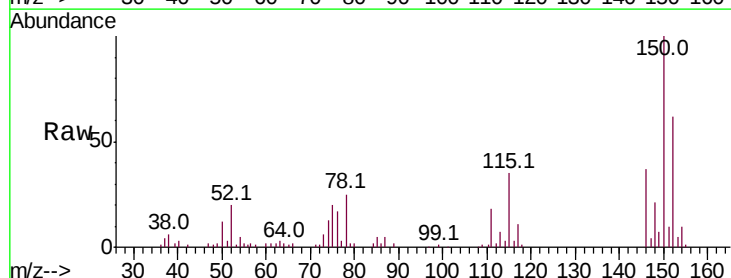
Tgt Ion:152 Resp: 14975

Ion Ratio Lower Upper

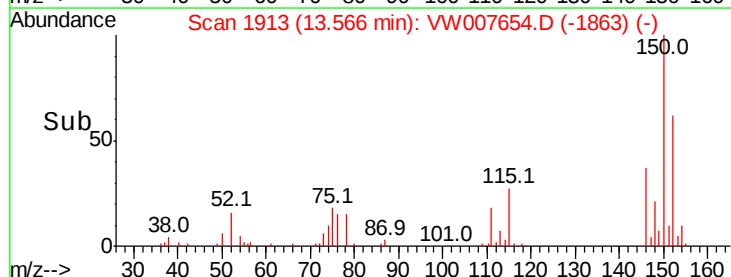
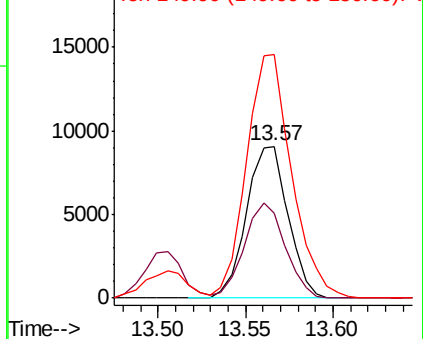
152 100

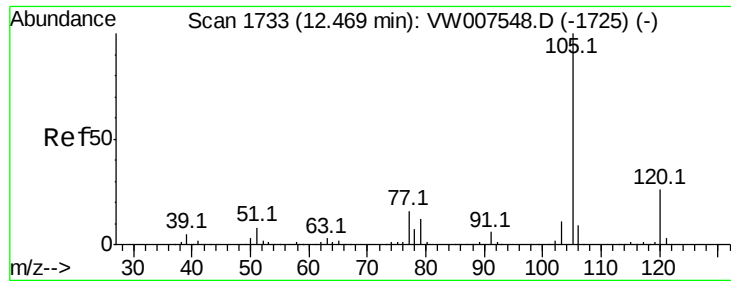
115 61.7 31.4 94.2

150 174.7 0.0 358.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 61.559 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007654.D

Acq: 18 Dec 2018 13:25

Instrument :

MSVOA_W

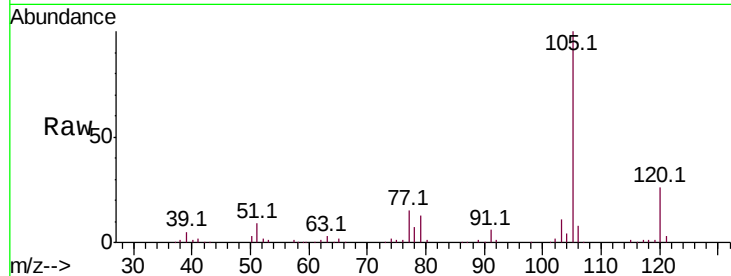
ClientSampleId :

Tot Ion:105 Resp: 70635

Ion Ratio Lower Upper

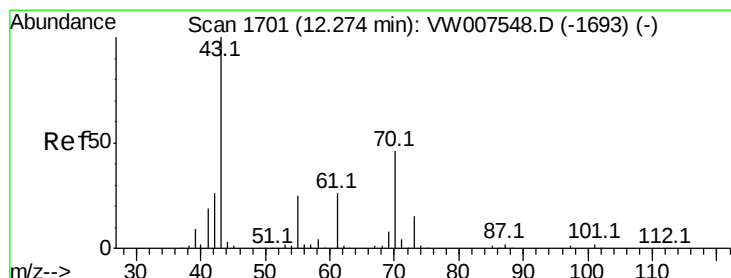
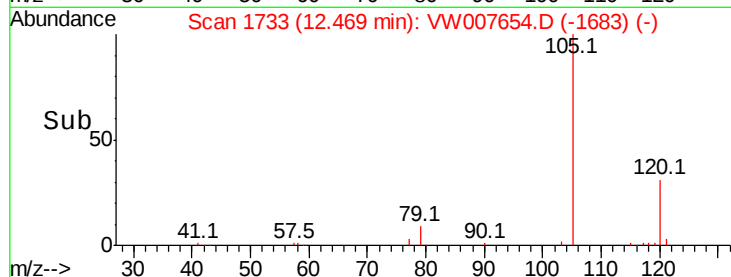
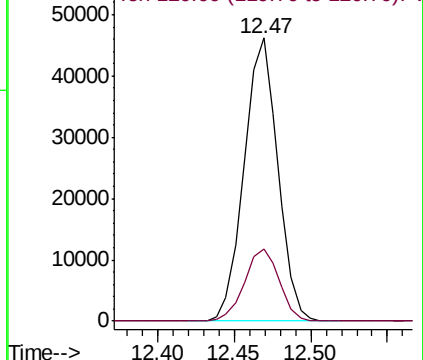
105 100

120 26.3 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: 25.780 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007654.D

Acq: 18 Dec 2018 13:25

Tgt Ion: 43 Resp: 5376

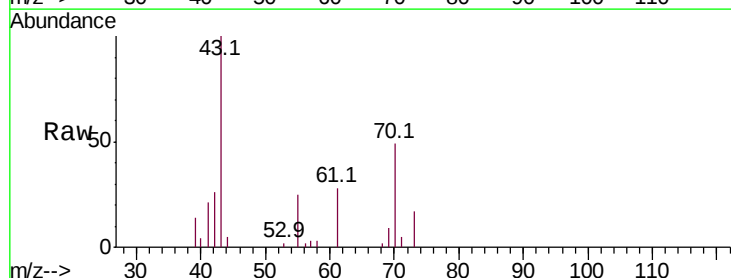
Ion Ratio Lower Upper

43 100

70 44.5 36.5 54.7

55 24.2 20.1 30.1

61 23.3 19.3 28.9

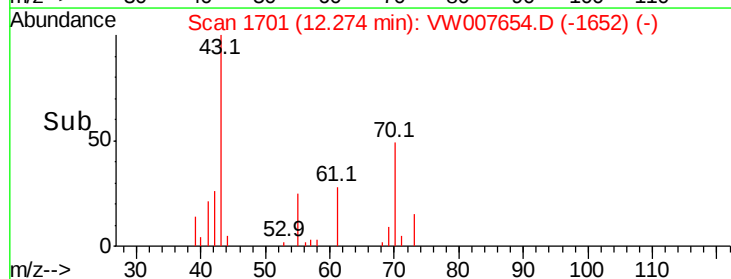
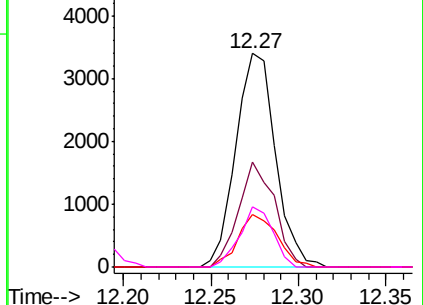


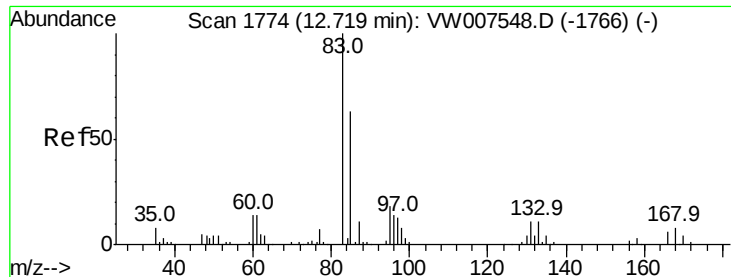
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 94.269 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007654.D

Acq: 18 Dec 2018 13:25

Instrument :

MSVOA_W

ClientSampled :

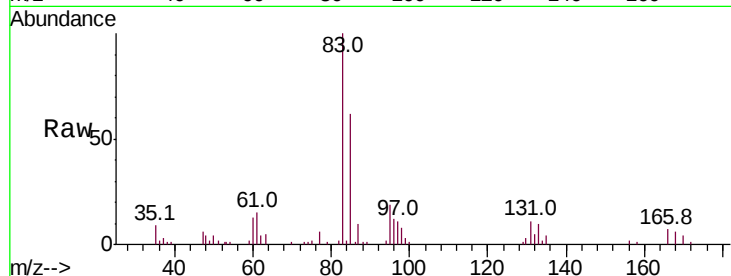
Tot Ion: 83 Resp: 16021

Ion Ratio Lower Upper

83 100

131 11.2 5.9 17.8

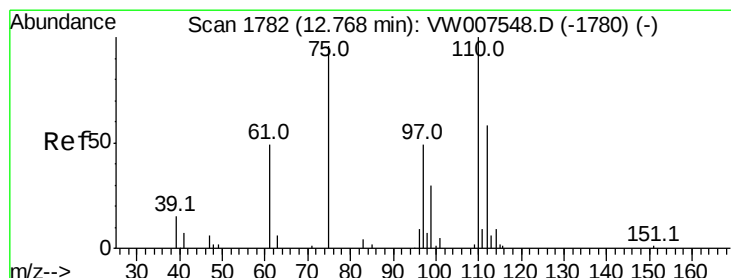
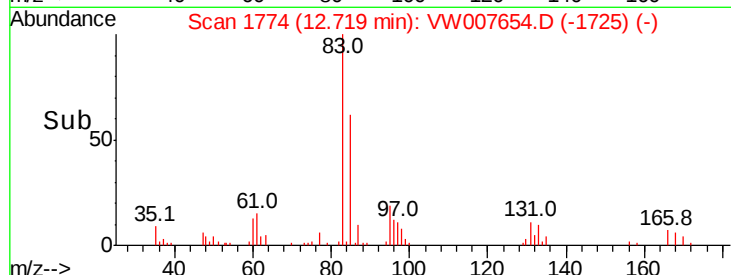
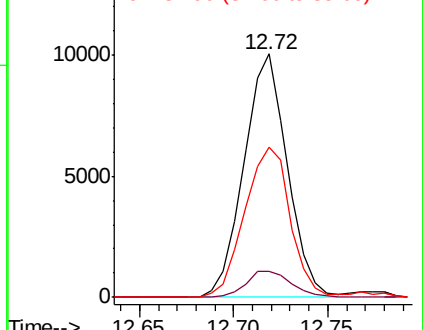
85 64.9 30.0 90.0



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: 175.771 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW007654.D

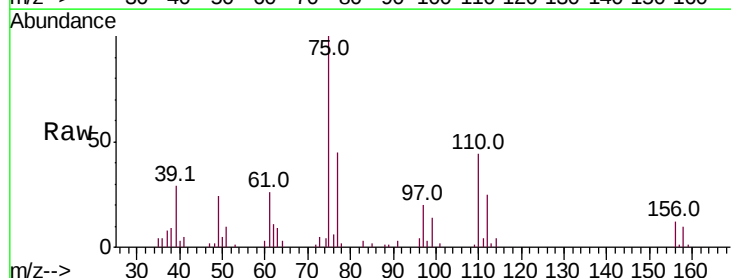
Acq: 18 Dec 2018 13:25

Tgt Ion: 75 Resp: 21703

Ion Ratio Lower Upper

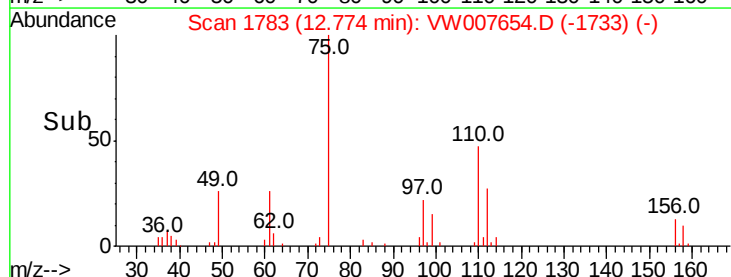
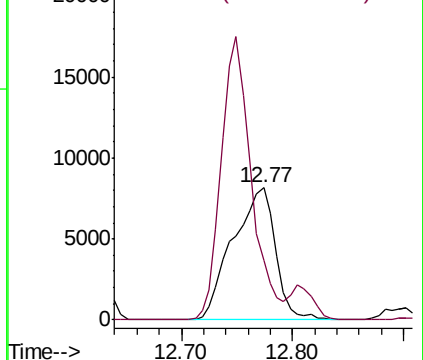
75 100

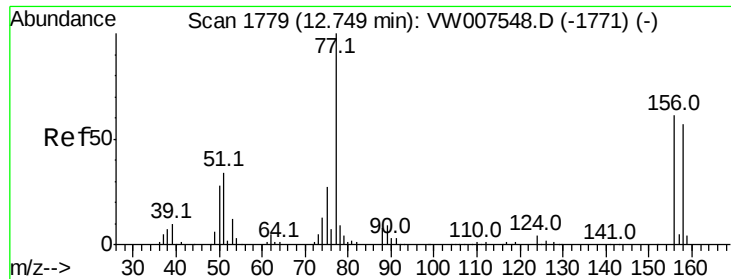
77 0.0 166.9 500.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 68.883 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007654.D

Acq: 18 Dec 2018 13:25

Instrument :

MSVOA_W

ClientSampleId :

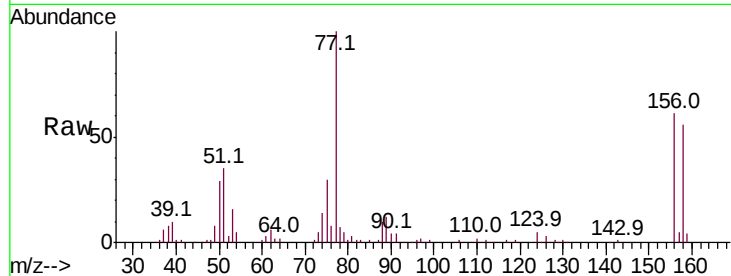
Tot Ion:156 Resp: 17520

Ion Ratio Lower Upper

156 100

77 188.0 88.1 264.4

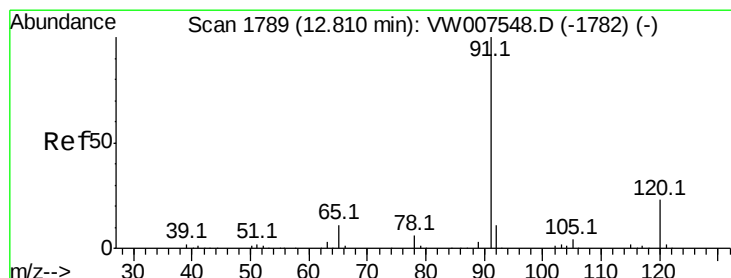
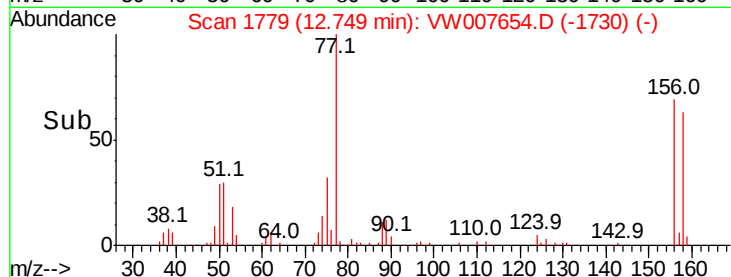
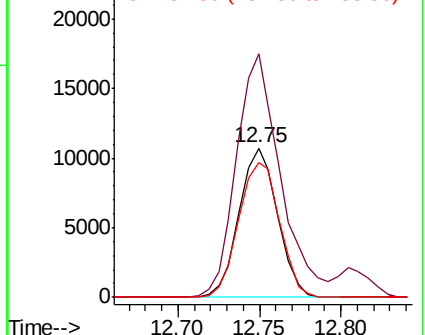
158 96.3 45.6 136.7



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: 58.205 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VW007654.D

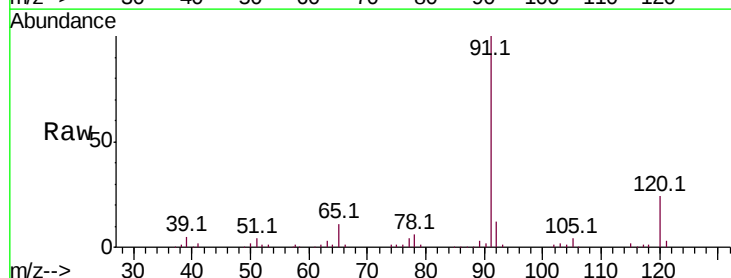
Acq: 18 Dec 2018 13:25

Tgt Ion: 91 Resp: 75162

Ion Ratio Lower Upper

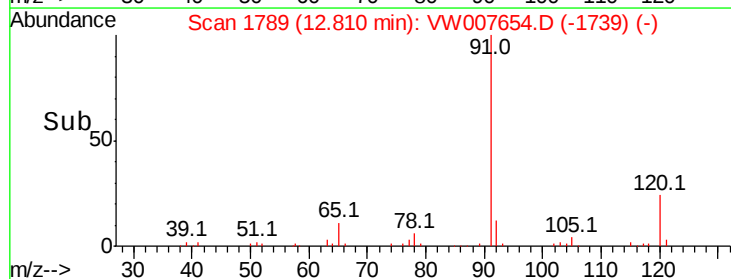
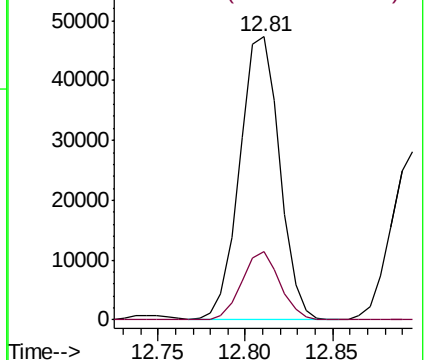
91 100

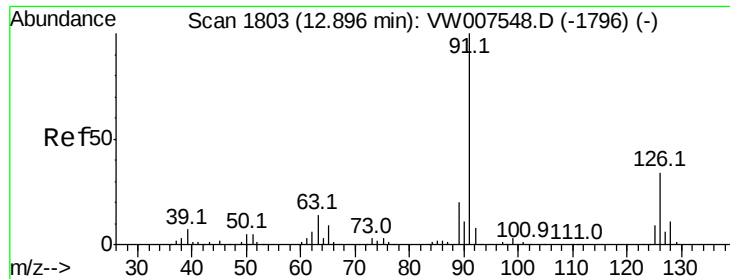
120 23.0 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

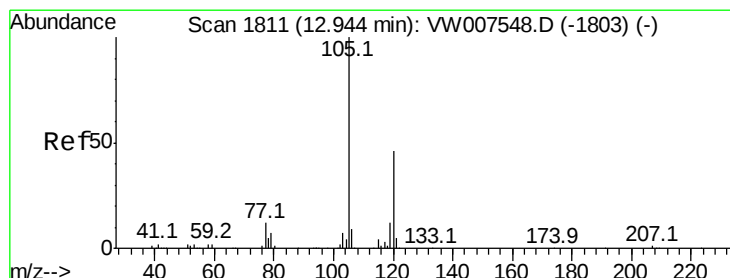
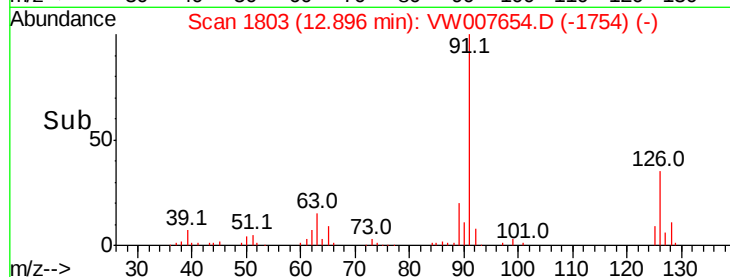
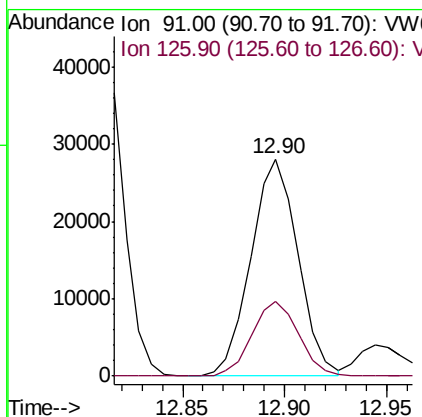
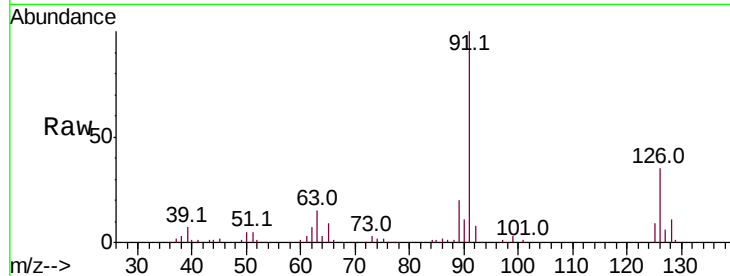




#79
 2-Chlorotoluene
 Concen: 57.809 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW007654.D
 Acq: 18 Dec 2018 13:25

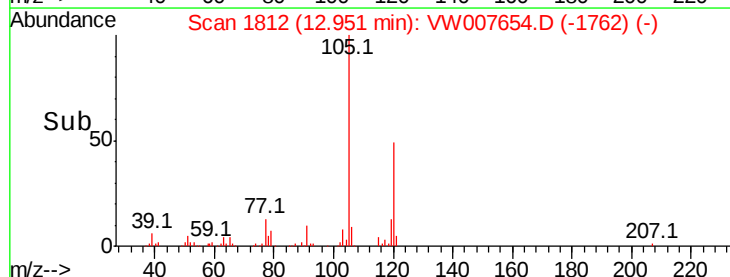
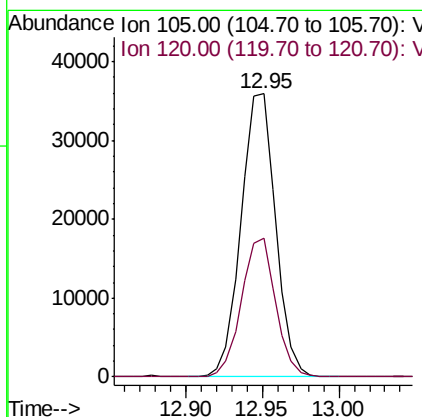
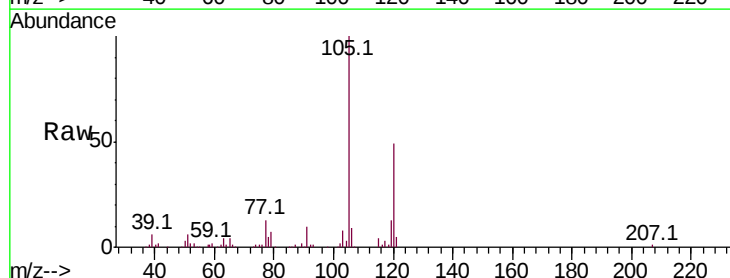
Instrument :
 MSVOA_W
 ClientSampled :

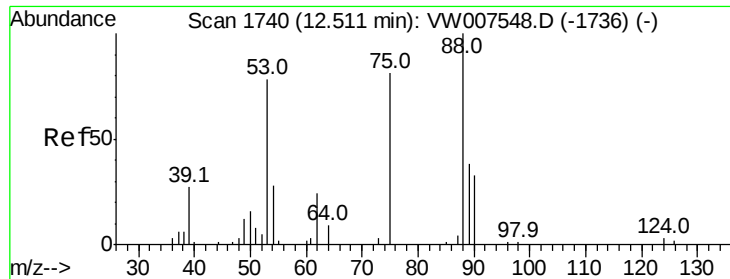
Tot Ion: 91 Resp: 45170
 Ion Ratio Lower Upper
 91 100
 126 34.1 15.9 47.6



#80
 1,3,5-Trimethylbenzene
 Concen: 58.440 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.01 min
 Lab File: VW007654.D
 Acq: 18 Dec 2018 13:25

Tgt Ion:105 Resp: 56344
 Ion Ratio Lower Upper
 105 100
 120 48.3 23.8 71.4





#81

trans-1,4-Dichloro-2-butene

Concen: 90.312 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW007654.D

Acq: 18 Dec 2018 13:25

Instrument :

MSVOA_W

ClientSampleId :

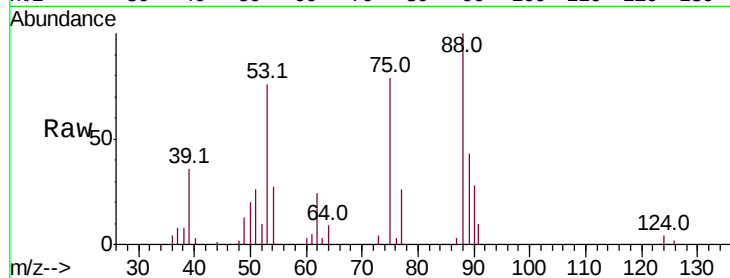
Tot Ion: 75 Resp: 5048

Ion Ratio Lower Upper

75 100

53 101.2 84.9 127.3

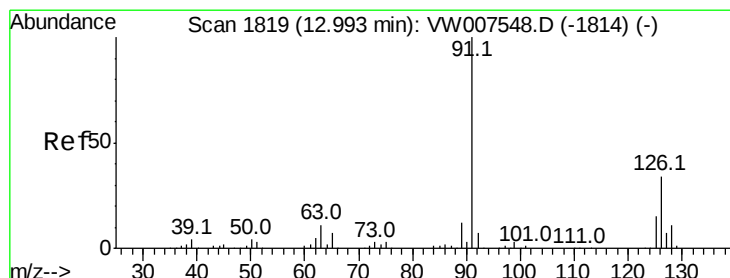
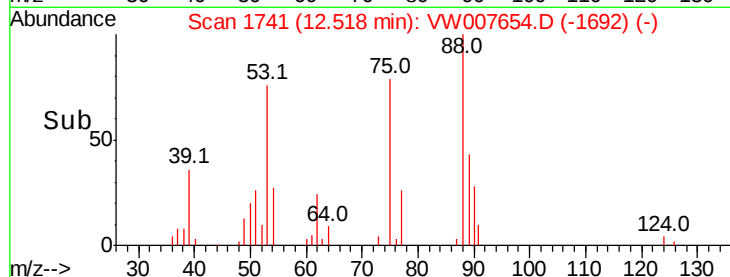
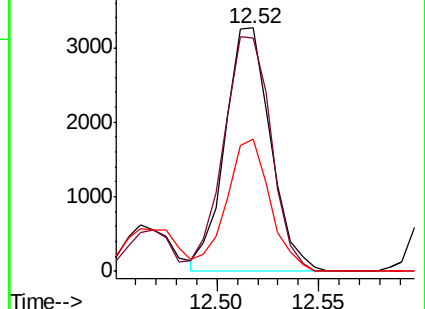
89 52.2 40.3 60.5



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 57.348 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW007654.D

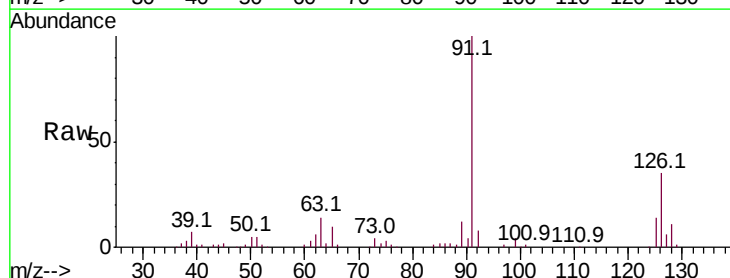
Acq: 18 Dec 2018 13:25

Tgt Ion: 91 Resp: 47234

Ion Ratio Lower Upper

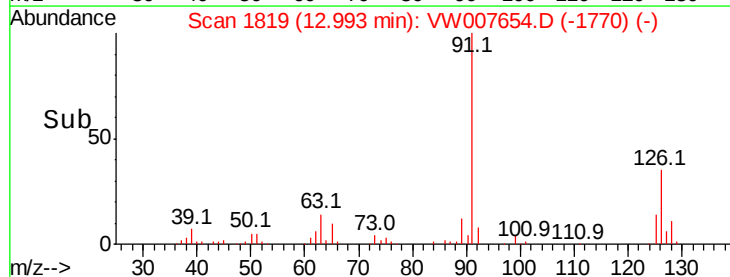
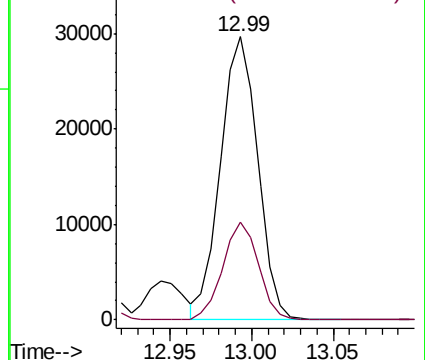
91 100

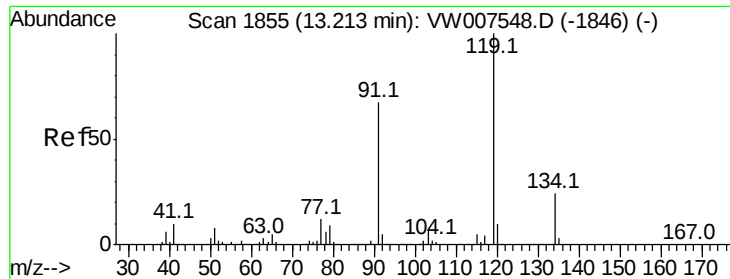
126 33.3 16.0 48.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

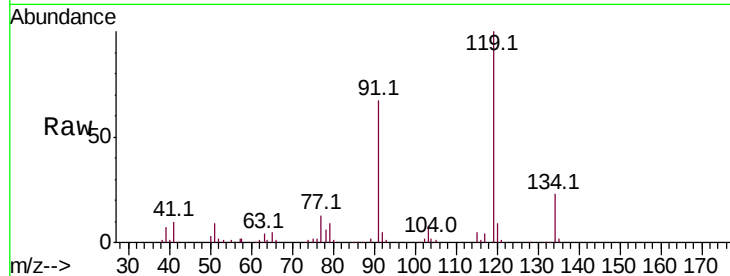




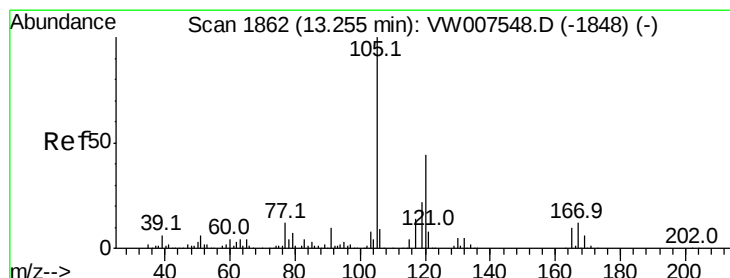
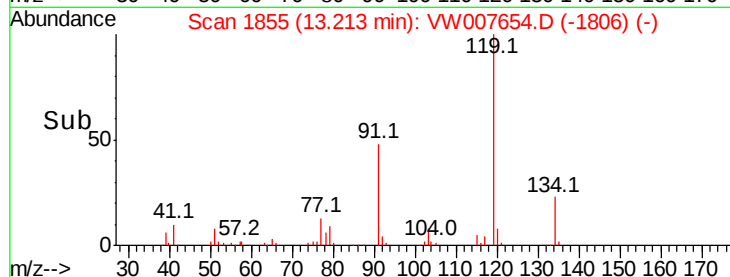
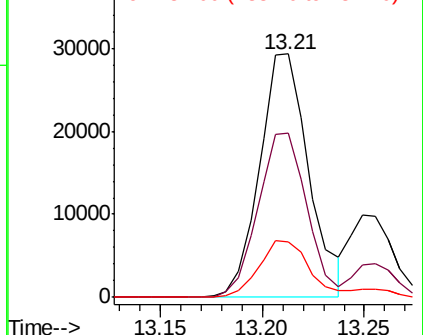
#83
tert-Butylbenzene
Concen: 58.152 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW007654.D
Acq: 18 Dec 2018 13:25

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:119 Resp: 49402
Ion Ratio Lower Upper
119 100
91 66.5 33.1 99.2
134 24.1 12.5 37.5

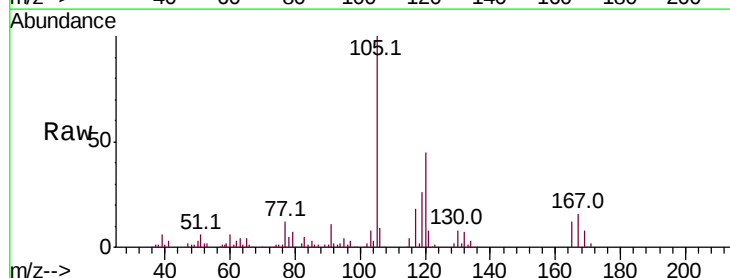


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

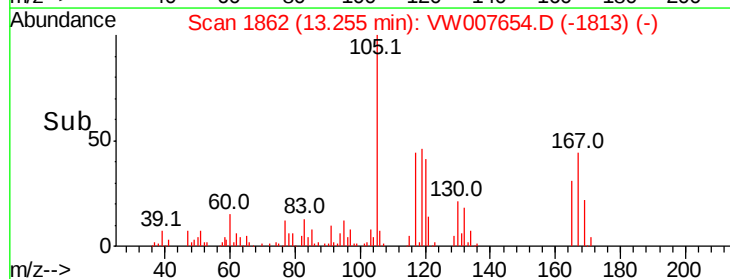
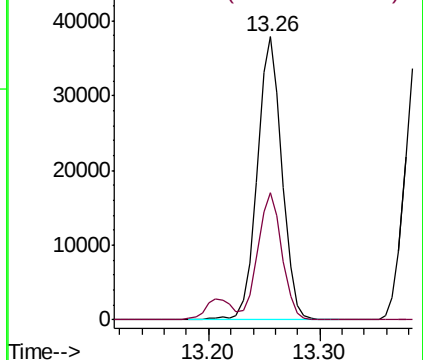


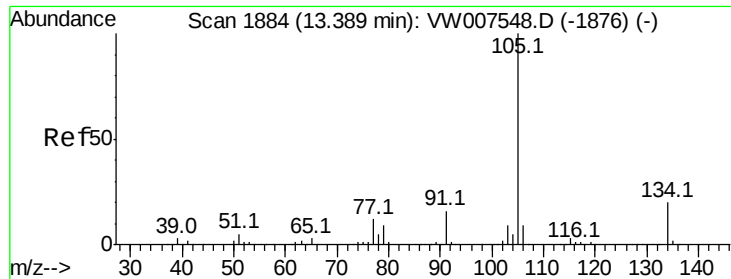
#84
1,2,4-Trimethylbenzene
Concen: 58.876 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007654.D
Acq: 18 Dec 2018 13:25

Tgt Ion:105 Resp: 58413
Ion Ratio Lower Upper
105 100
120 43.9 22.6 67.7



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

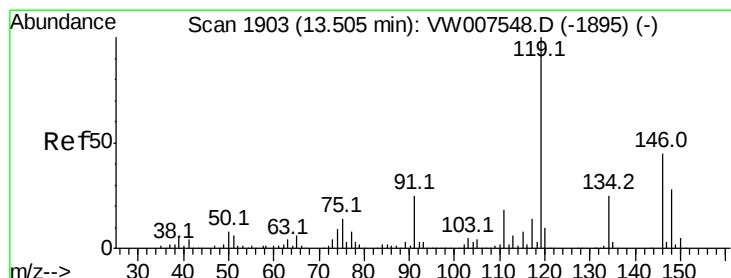
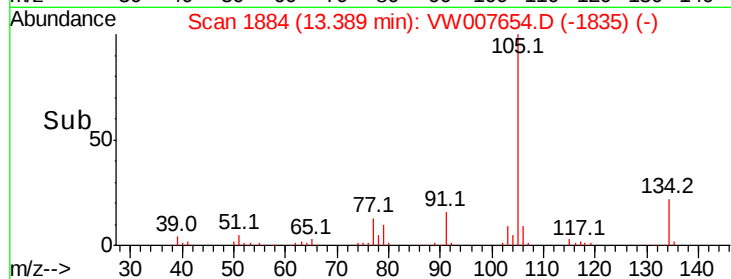
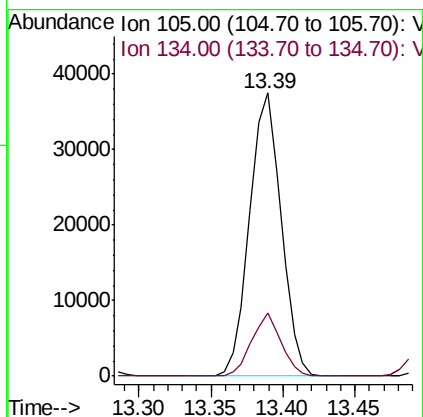
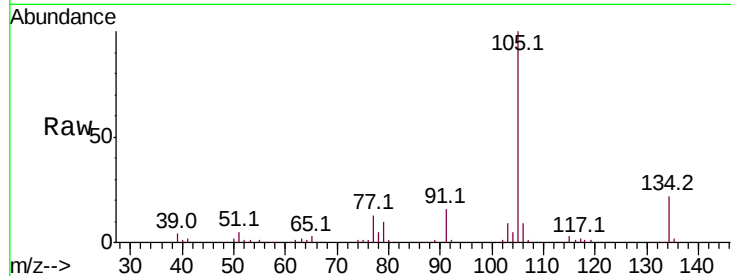




#85
 sec-Butylbenzene
 Concen: 48.945 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007654.D
 Acq: 18 Dec 2018 13:25

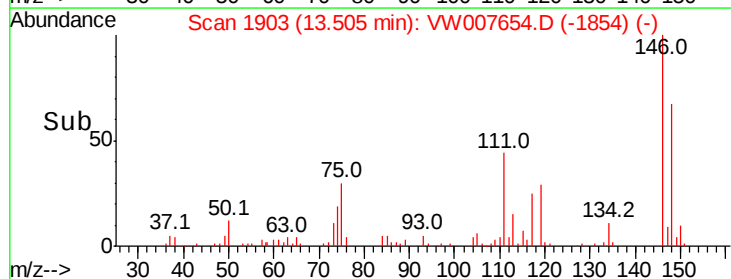
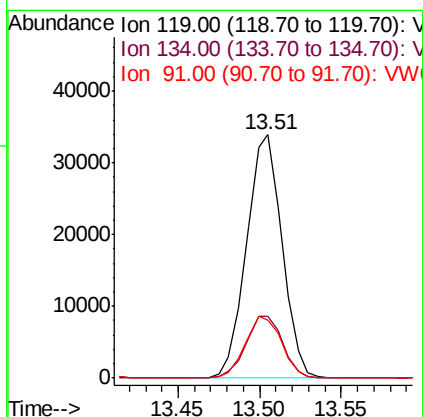
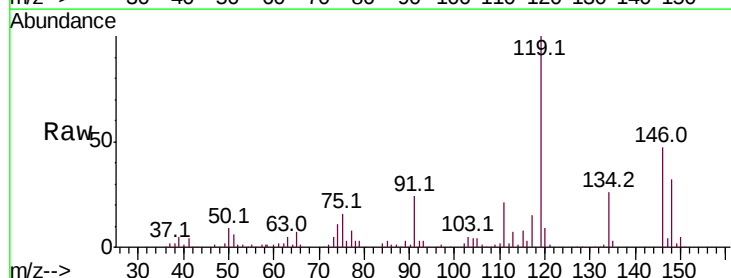
Instrument :
 MSVOA_W
 ClientSampleId :

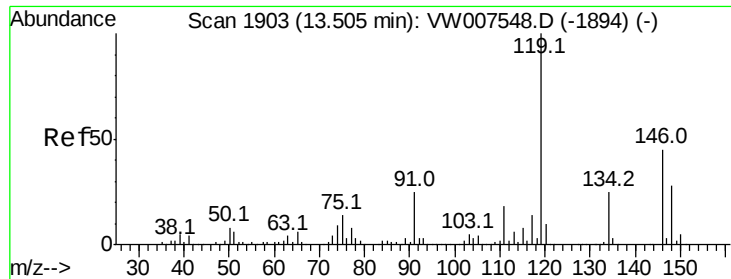
Tot Ion:105 Resp: 56763
 Ion Ratio Lower Upper
 105 100
 134 20.6 11.1 33.3



#86
 p-Isopropyltoluene
 Concen: 49.332 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007654.D
 Acq: 18 Dec 2018 13:25

Tgt Ion:119 Resp: 51397
 Ion Ratio Lower Upper
 119 100
 134 26.5 12.9 38.7
 91 25.9 11.9 35.9

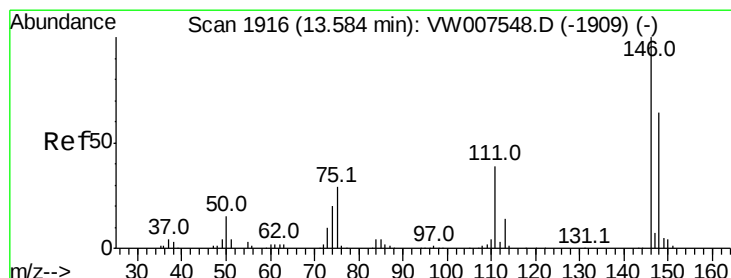
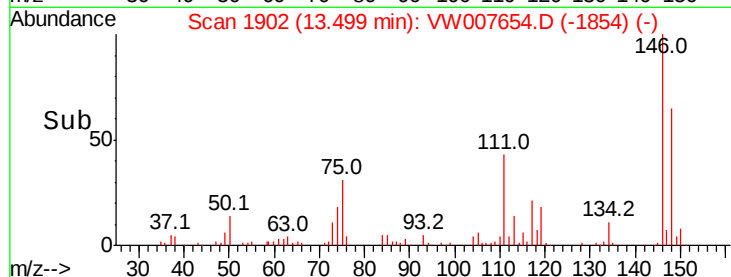
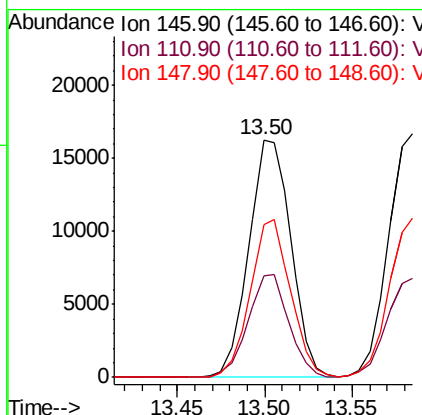
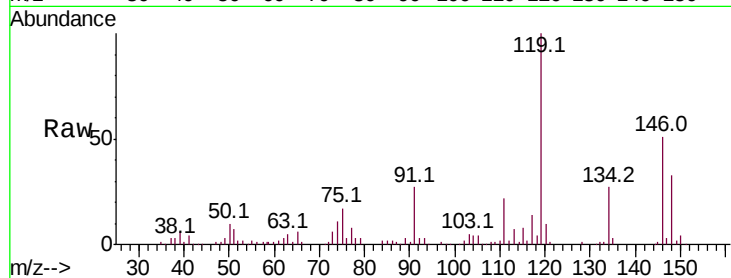




#87
 1,3-Dichlorobenzene
 Concen: 53.582 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW007654.D
 Acq: 18 Dec 2018 13:25

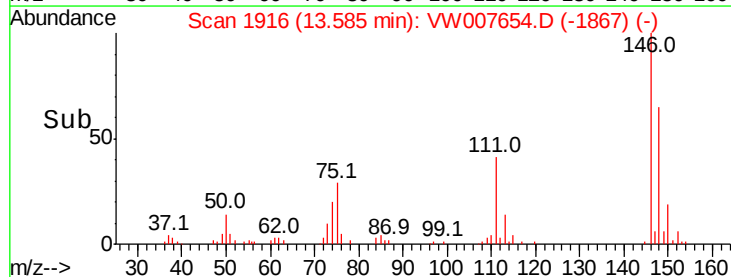
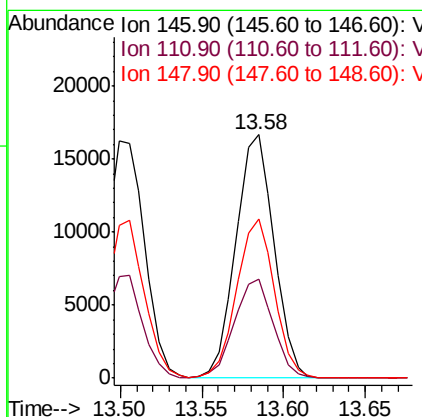
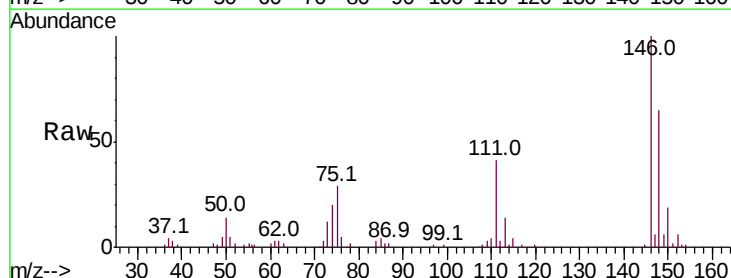
Instrument :
 MSVOA_W
 ClientSampleId :

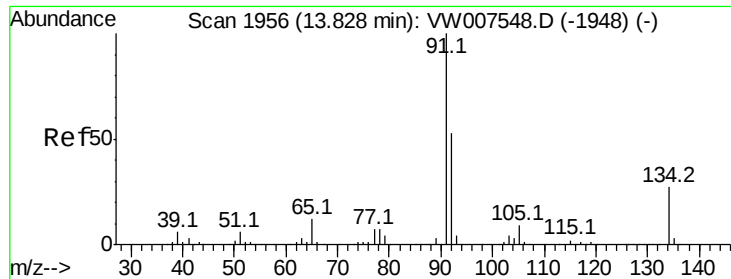
Tot Ion:146 Resp: 27172
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.1 60.3
 148 63.5 31.4 94.0



#88
 1,4-Dichlorobenzene
 Concen: 53.286 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW007654.D
 Acq: 18 Dec 2018 13:25

Tgt Ion:146 Resp: 27166
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.3 61.0
 148 64.7 33.5 100.5





#89

n-Butylbenzene

Concen: 39.422 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW007654.D

Acq: 18 Dec 2018 13:25

Instrument :

MSVOA_W

ClientSampleId :

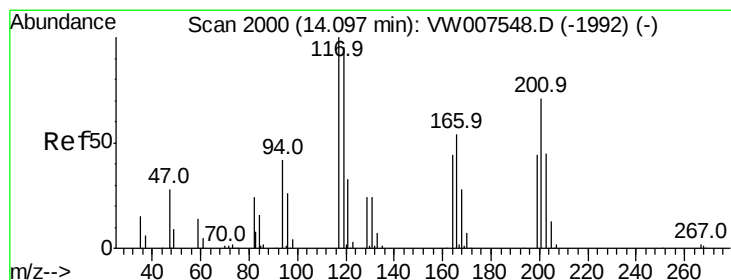
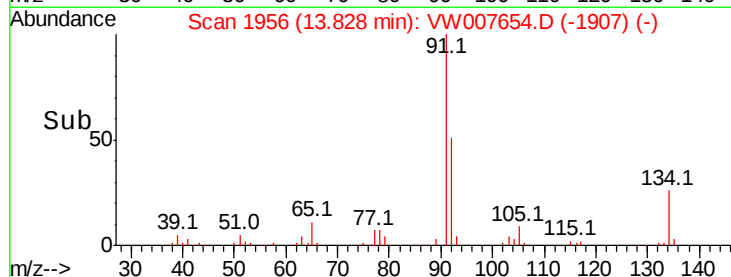
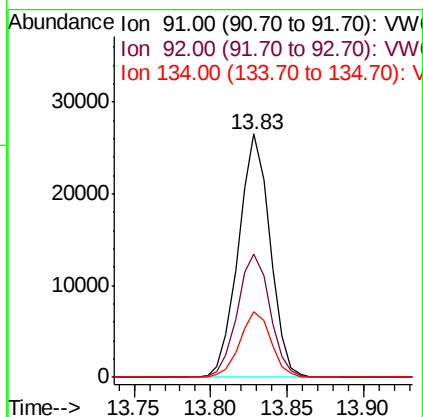
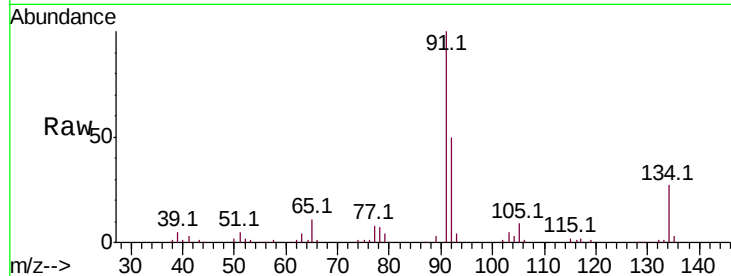
Tot Ion: 91 Resp: 38076

Ion Ratio Lower Upper

91 100

92 52.3 25.7 77.1

134 26.6 13.4 40.2



#90

Hexachloroethane

Concen: 51.500 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW007654.D

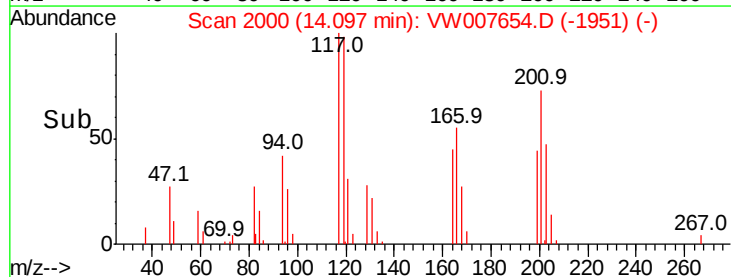
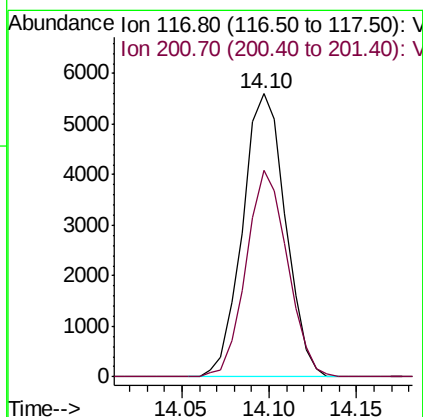
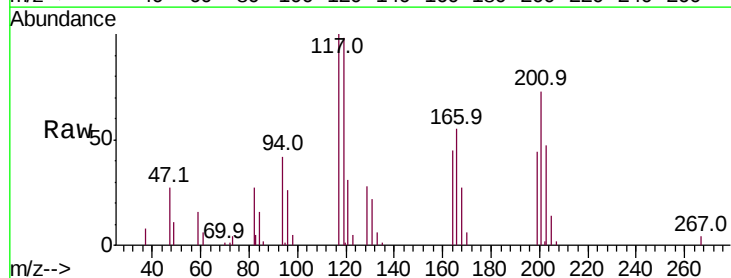
Acq: 18 Dec 2018 13:25

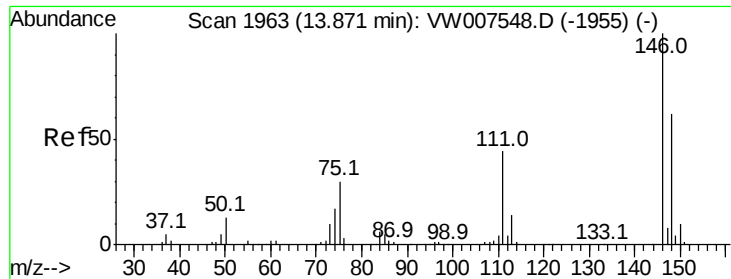
Tgt Ion: 117 Resp: 9547

Ion Ratio Lower Upper

117 100

201 70.4 35.3 105.9

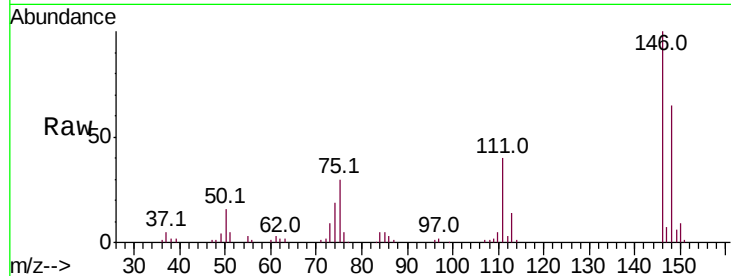




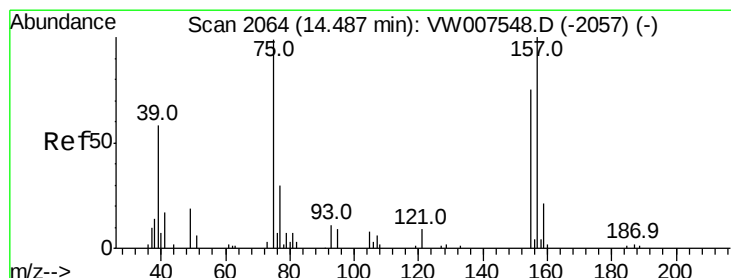
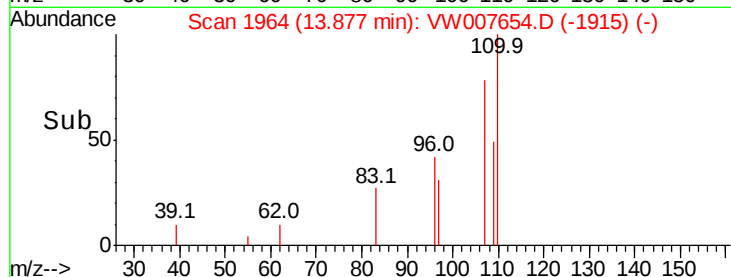
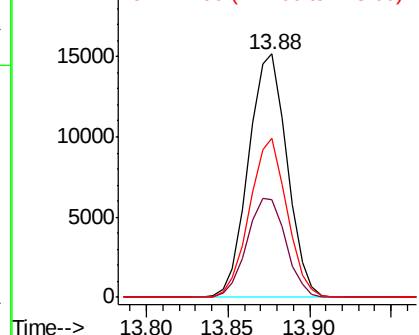
#91
 1,2-Dichlorobenzene
 Concen: 55.073 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW007654.D
 Acq: 18 Dec 2018 13:25

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:146 Resp: 25014
 Ion Ratio Lower Upper
 146 100
 111 41.1 22.4 67.2
 148 63.2 32.4 97.2

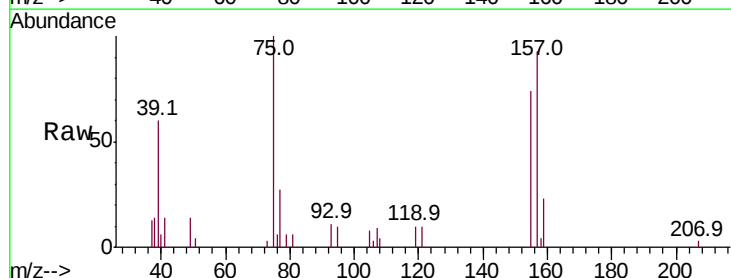


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

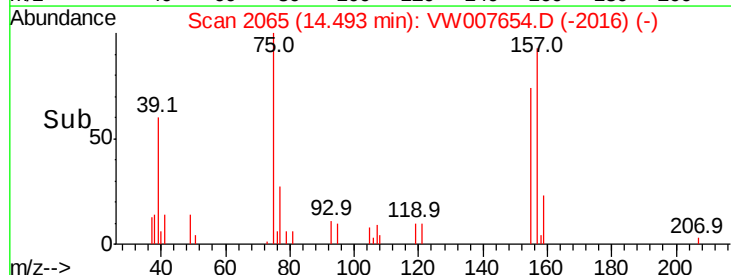
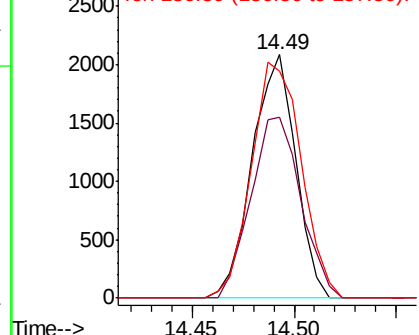


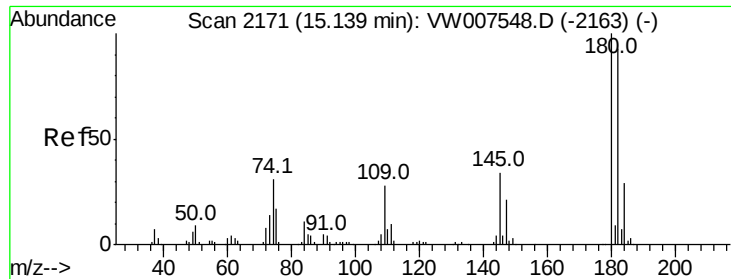
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 90.426 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW007654.D
 Acq: 18 Dec 2018 13:25

Tgt Ion: 75 Resp: 3084
 Ion Ratio Lower Upper
 75 100
 155 85.8 40.8 122.2
 157 111.6 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

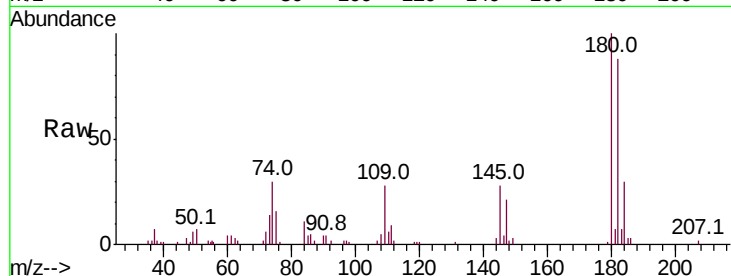




#93
 1,2,4-Trichlorobenzene
 Concen: 33.333 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007654.D
 Acq: 18 Dec 2018 13:25

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.8	49.9	149.6
145	30.6	17.8	53.4

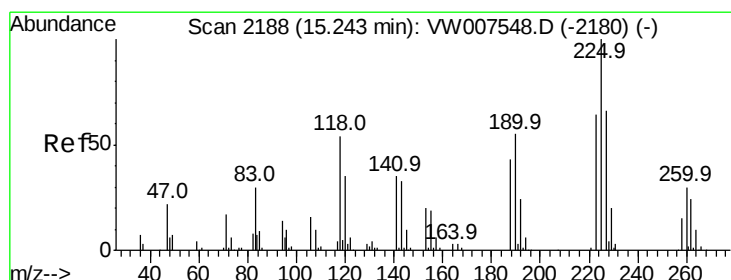
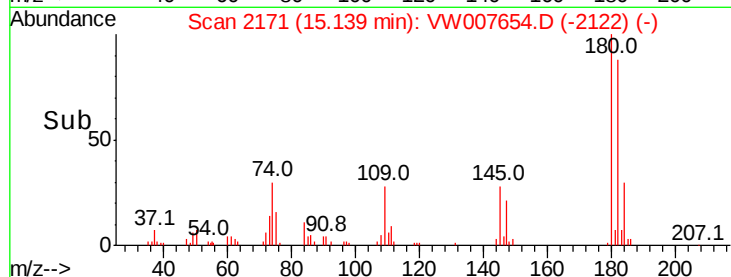
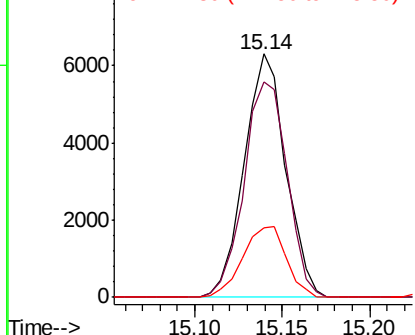


Abundance

Ion 179.80 (179.50 to 180.50): V

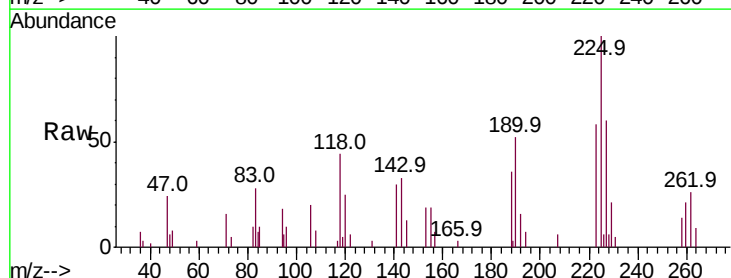
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 25.379 ug/l
 RT: 15.25 min Scan# 2189
 Delta R.T. 0.01 min
 Lab File: VW007654.D
 Acq: 18 Dec 2018 13:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	32.1	96.3
227	66.7	31.9	95.9

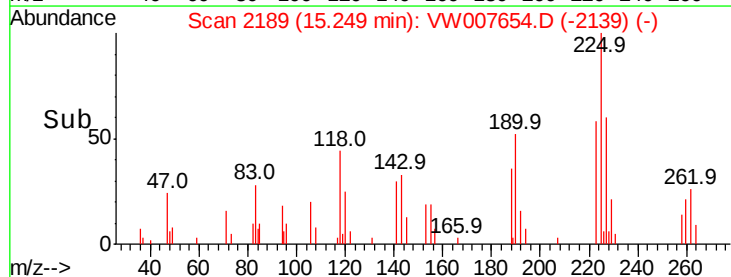
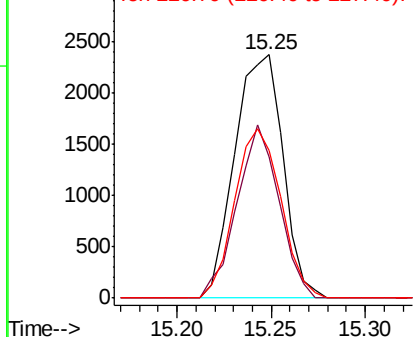


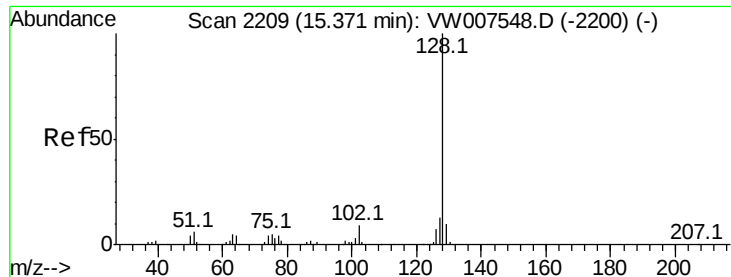
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

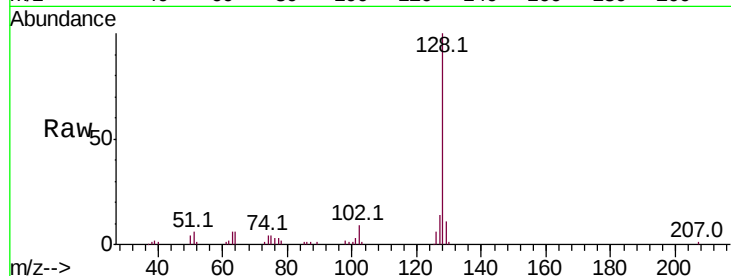




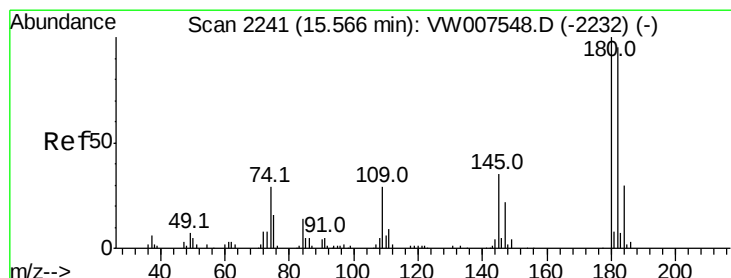
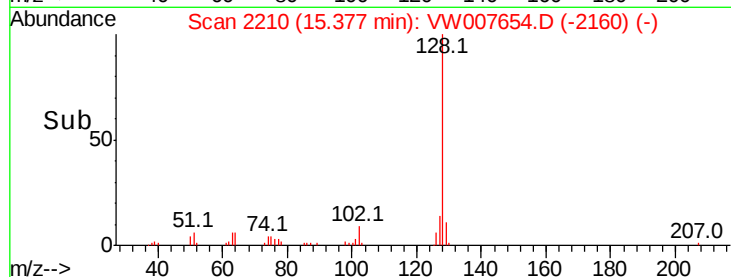
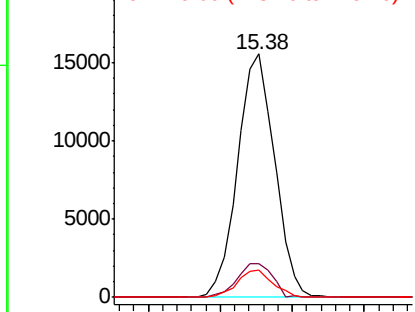
#95
Naphthalene
Concen: 46.376 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW007654.D
Acq: 18 Dec 2018 13:25

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 27731
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.4
129 10.8 8.3 12.5

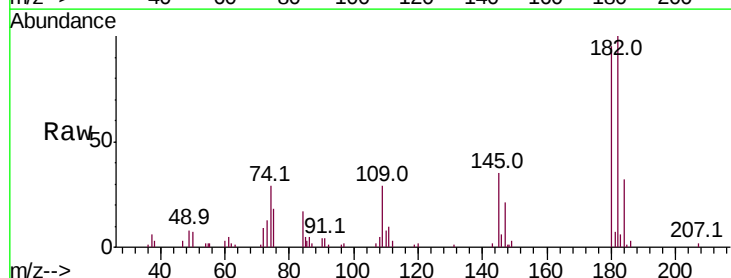


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 29.618 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.01 min
Lab File: VW007654.D
Acq: 18 Dec 2018 13:25

Tgt Ion:180 Resp: 8042
Ion Ratio Lower Upper
180 100
182 99.3 45.6 136.7
145 34.3 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

