

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122518\
 Data File : VW007882.D
 Acq On : 24 Dec 2018 12:24
 Operator : SY/AP
 Sample : VW1225SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 25 02:00:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	73385	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	119936	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	104579	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	52124	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	41307	51.36	ug/l	0.00
Spiked Amount			Recovery	=	102.72%	
35) Dibromofluoromethane	7.88	113	37907	51.81	ug/l	0.00
Spiked Amount			Recovery	=	103.62%	
50) Toluene-d8	10.32	98	149379	54.16	ug/l	0.00
Spiked Amount			Recovery	=	108.32%	
62) 4-Bromofluorobenzene	12.62	95	57257	53.73	ug/l	0.00
Spiked Amount			Recovery	=	107.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	13756	21.086	ug/l	99
3) Chloromethane	2.21	50	12423	31.011	ug/l	98
4) Vinyl Chloride	2.37	62	15965	31.307	ug/l	98
5) Bromomethane	2.78	94	9512	26.781	ug/l	94
6) Chloroethane	2.92	64	8119	29.760	ug/l	92
7) Trichlorofluoromethane	3.25	101	11164	21.028	ug/l	93
8) Diethyl Ether	3.68	74	7839	24.106	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	4.06	101	18051	23.086	ug/l	99
10) Methyl Iodide	4.26	142	27931	22.463	ug/l	97
11) Tert butyl alcohol	5.17	59	6379	117.567	ug/l #	87
12) 1,1-Dichloroethene	4.03	96	17581	24.282	ug/l	96
13) Acrolein	3.89	56	4704	108.430	ug/l	98
14) Allyl chloride	4.66	41	26237	27.633	ug/l	92
15) Acrylonitrile	5.37	53	15587	112.369	ug/l	98
16) Acetone	4.12	43	17120	113.664	ug/l	94
17) Carbon Disulfide	4.37	76	50224	22.416	ug/l	99
18) Methyl Acetate	4.67	43	8096	22.602	ug/l	95
19) Methyl tert-butyl Ether	5.43	73	25653	24.680	ug/l #	91
20) Methylene Chloride	4.91	84	25535	31.577	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	18636	23.403	ug/l	90
22) Diisopropyl ether	6.31	45	46765	26.304	ug/l	96
23) Vinyl Acetate	6.25	43	128961	122.091	ug/l	96
24) 1,1-Dichloroethane	6.21	63	32451	24.812	ug/l	99
25) 2-Butanone	7.17	43	20272	114.908	ug/l	94
26) 2,2-Dichloropropane	7.17	77	23975	25.051	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	20234	23.850	ug/l	98
28) Bromochloromethane	7.51	49	10279	23.051	ug/l	88
29) Tetrahydrofuran	7.52	42	12361	117.465	ug/l	96
30) Chloroform	7.67	83	33745	22.799	ug/l	98
31) Cyclohexane	7.95	56	31915	26.655	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	31166	23.120	ug/l	98
36) 1,1-Dichloropropene	8.08	75	27606	23.848	ug/l	99
37) Ethyl Acetate	7.25	43	9019	22.576	ug/l	99
38) Carbon Tetrachloride	8.07	117	28432	20.855	ug/l	99

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Quant Time: Dec 25 02:00:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	35712	24.827	ug/l	98
40) Benzene	8.32	78	73481	23.788	ug/l	99
41) Methacrylonitrile	7.48	41	5453	24.041	ug/l #	86
42) 1,2-Dichloroethane	8.40	62	22158	21.405	ug/l	99
43) Isopropyl Acetate	8.43	43	17903	22.368	ug/l	99
44) Trichloroethene	9.09	130	20932	22.407	ug/l	99
45) 1,2-Dichloropropane	9.37	63	17020	24.831	ug/l	99
46) Dibromomethane	9.46	93	8901	21.096	ug/l	94
47) Bromodichloromethane	9.64	83	23230	20.943	ug/l	98
48) Methyl methacrylate	9.44	41	8828	22.097	ug/l	94
49) 1,4-Dioxane	9.45	88	2734	408.700	ug/l #	89
51) 4-Methyl-2-Pentanone	10.21	43	41129	108.732	ug/l	99
52) Toluene	10.39	92	48857	23.574	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	24154	21.892	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	27586	22.636	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	12491	21.474	ug/l	97
56) Ethyl methacrylate	10.65	69	15157	22.055	ug/l	95
57) 1,3-Dichloropropane	10.93	76	21428	22.185	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	34751	110.751	ug/l	97
59) 2-Hexanone	10.97	43	29614	111.323	ug/l	99
60) Dibromochloromethane	11.13	129	14539	18.878	ug/l	96
61) 1,2-Dibromoethane	11.24	107	12177	20.673	ug/l	98
64) Tetrachloroethene	10.86	164	17195	23.219	ug/l	96
65) Chlorobenzene	11.66	112	52827	23.338	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	18084	22.359	ug/l	99
67) Ethyl Benzene	11.73	91	95947	24.702	ug/l	100
68) m/p-Xylenes	11.84	106	73770	48.960	ug/l	98
69) o-Xylene	12.17	106	34714	24.578	ug/l	99
70) Styrene	12.18	104	56318	24.258	ug/l	98
71) Bromoform	12.35	173	7555	17.994	ug/l #	97
73) Isopropylbenzene	12.47	105	99691	25.302	ug/l	99
74) N-amyl acetate	12.27	43	16587	24.305	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	12883	21.808	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	18838	46.760	ug/l #	100
77) Bromobenzene	12.75	156	20618	22.834	ug/l	95
78) n-propylbenzene	12.81	91	115826	25.254	ug/l	98
79) 2-Chlorotoluene	12.90	91	66867	25.027	ug/l	97
80) 1,3,5-Trimethylbenzene	12.95	105	84747	24.936	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	4129	21.513	ug/l	100
82) 4-Chlorotoluene	12.99	91	69525	24.439	ug/l	99
83) tert-Butylbenzene	13.21	119	74871	25.108	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	84696	24.698	ug/l	99
85) sec-Butylbenzene	13.39	105	104157	25.344	ug/l	99
86) p-Isopropyltoluene	13.51	119	93343	24.978	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	41889	23.365	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	41920	23.376	ug/l	99
89) n-Butylbenzene	13.83	91	88145	25.726	ug/l	99
90) Hexachloroethane	14.10	117	14053	21.420	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	37305	23.241	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2338	19.272	ug/l	97

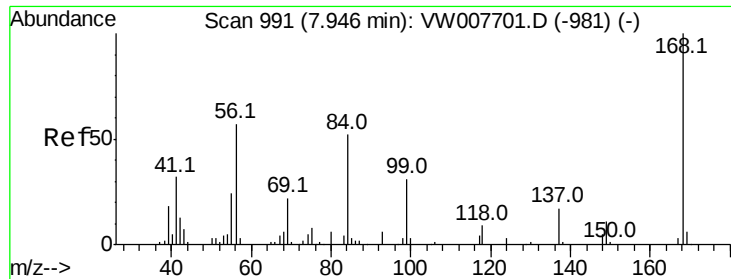
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122518\
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Quant Title : SW846 8260
QLast Update : Thu Dec 20 06:30:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	25545	22.926	ug/l	99
94) Hexachlorobutadiene	15.24	225	14635	24.578	ug/l	99
95) Naphthalene	15.38	128	45741	22.204	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	21724	22.777	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

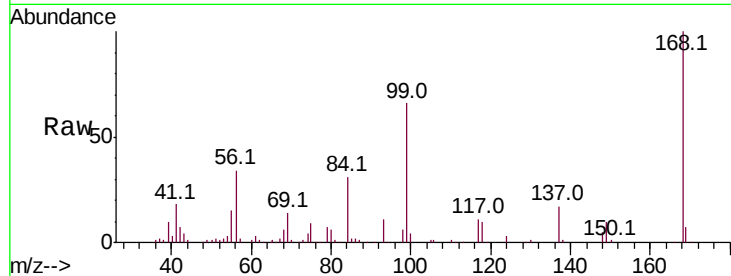
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 73385

Ion Ratio Lower Upper

168 100

99 66.1 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

30000

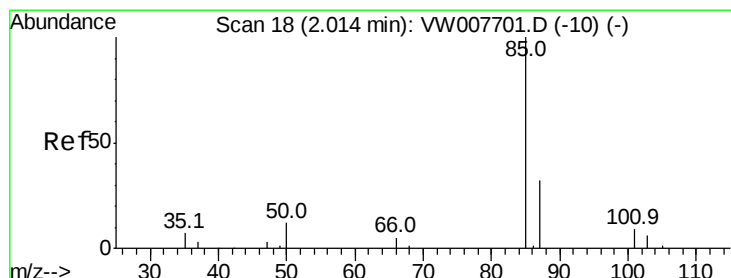
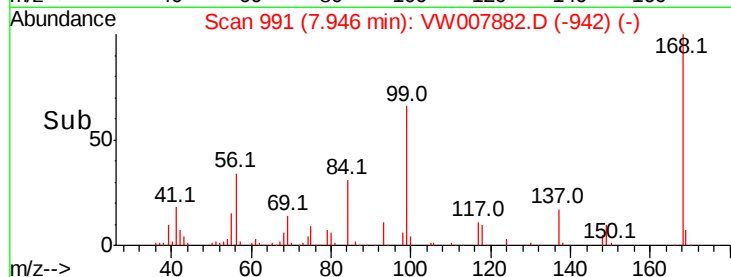
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 21.086 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW007882.D

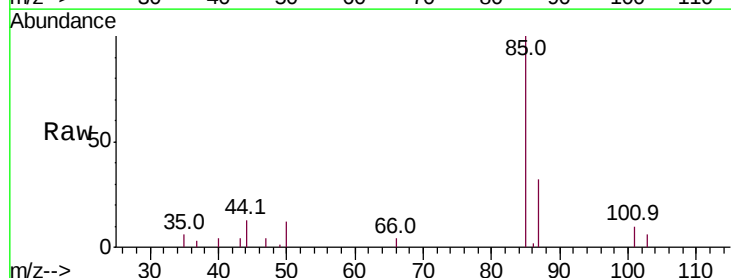
Acq: 24 Dec 2018 12:24

Tgt Ion: 85 Resp: 13756

Ion Ratio Lower Upper

85 100

87 31.7 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

5000

4000

3000

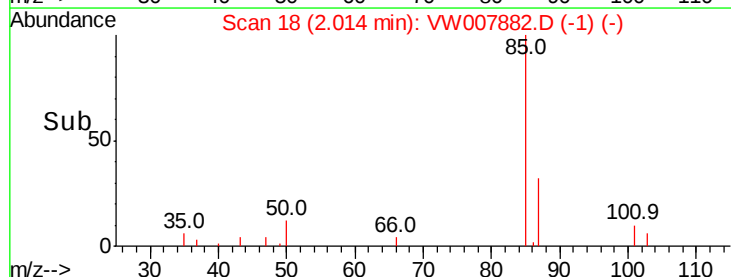
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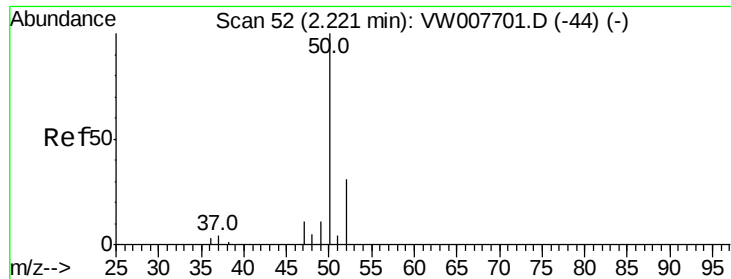
1000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 31.011 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :

MSVOA_W

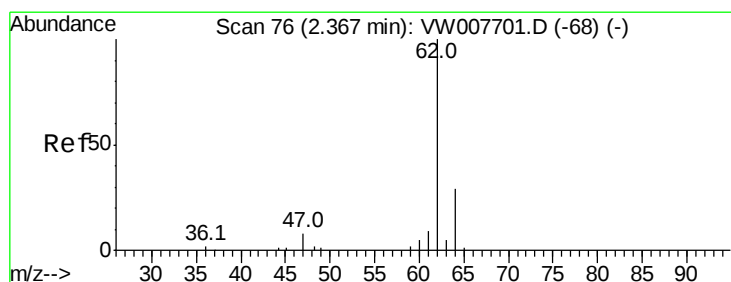
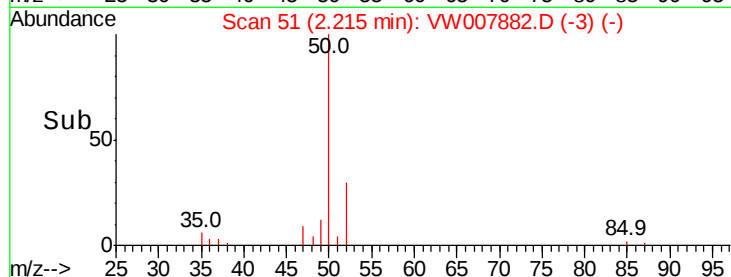
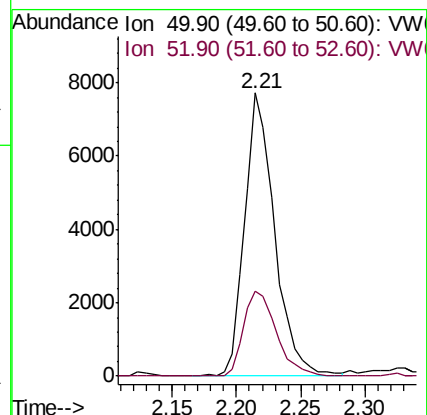
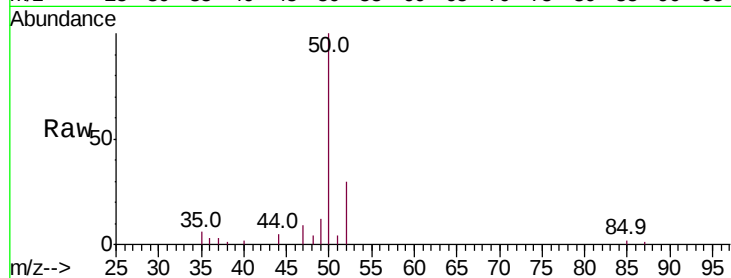
ClientSampled :

Tot Ion: 50 Resp: 12423

Ion Ratio Lower Upper

50 100

52 30.2 25.1 37.7



#4

Vinyl Chloride

Concen: 31.307 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007882.D

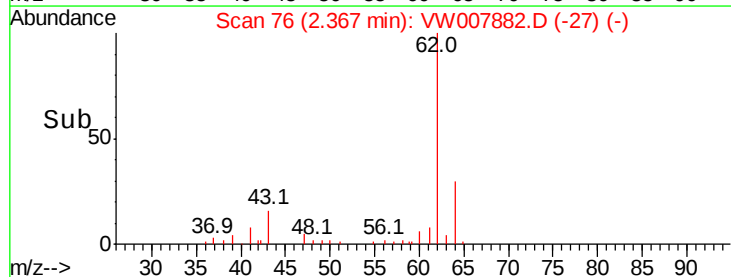
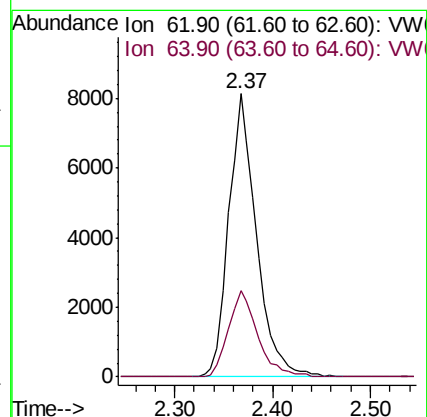
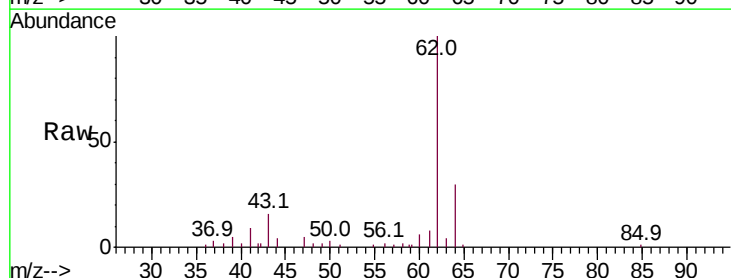
Acq: 24 Dec 2018 12:24

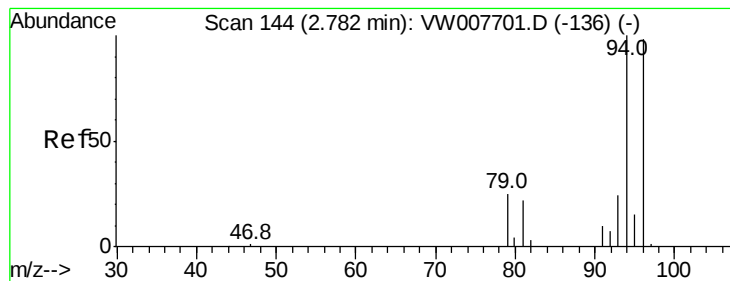
Tgt Ion: 62 Resp: 15965

Ion Ratio Lower Upper

62 100

64 30.3 23.4 35.0





#5

Bromomethane

Concen: 26.781 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :

MSVOA_W

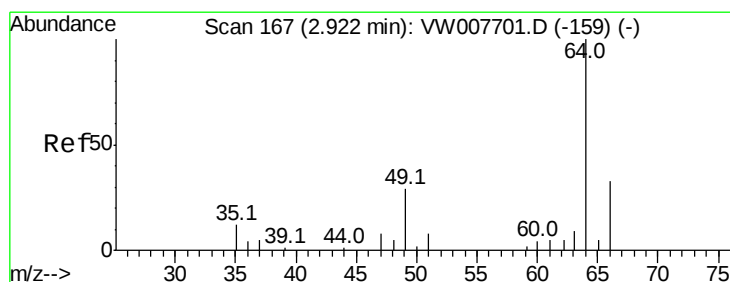
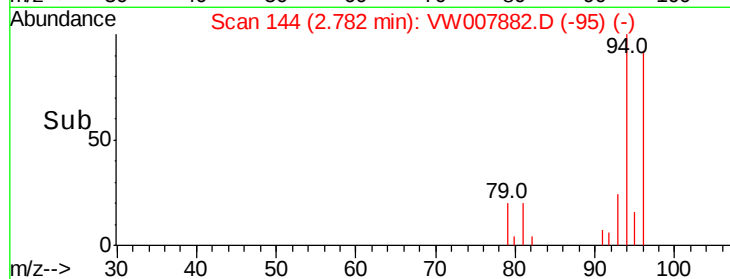
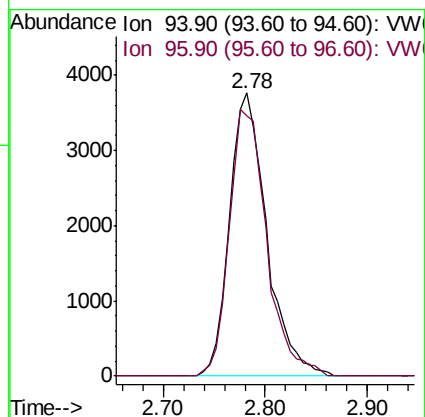
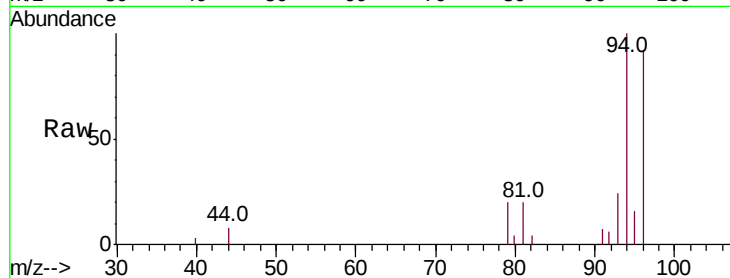
ClientSampleId :

Tot Ion: 94 Resp: 9512

Ion Ratio Lower Upper

94 100

96 92.2 78.2 117.2



#6

Chloroethane

Concen: 29.760 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW007882.D

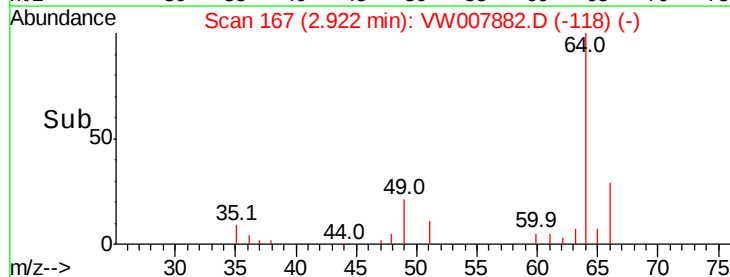
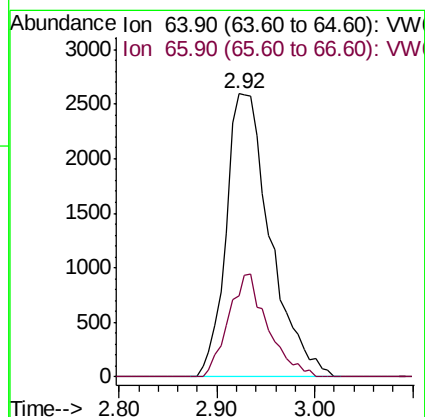
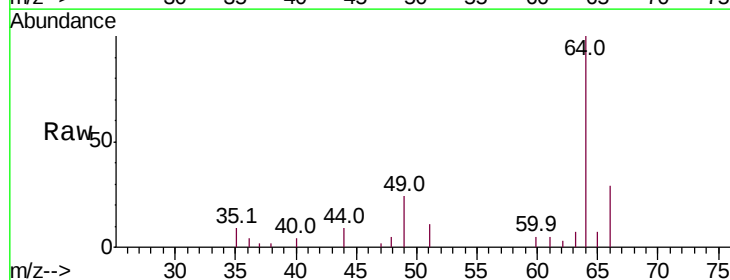
Acq: 24 Dec 2018 12:24

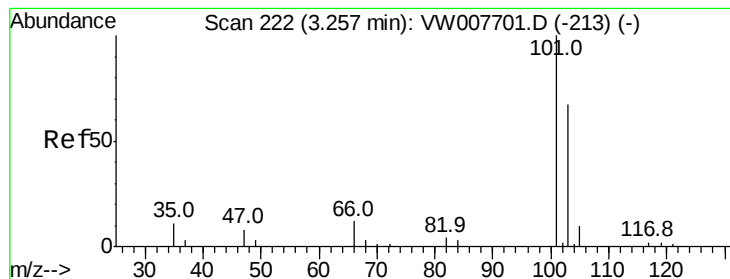
Tgt Ion: 64 Resp: 8119

Ion Ratio Lower Upper

64 100

66 28.5 26.2 39.4



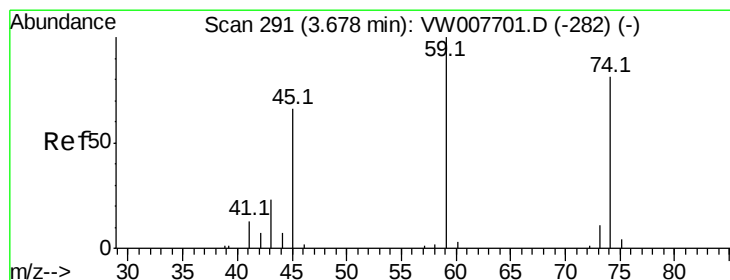
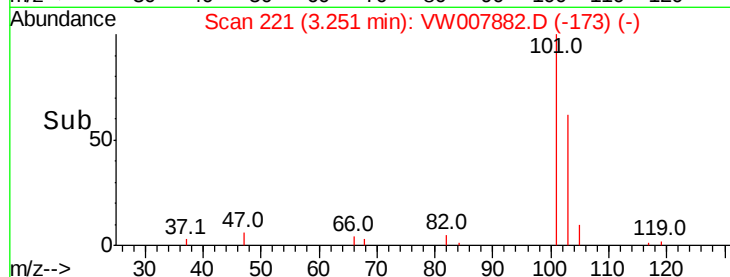
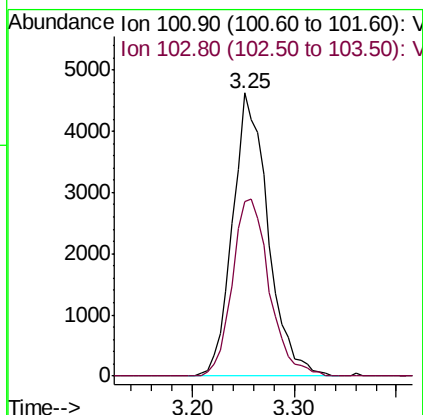
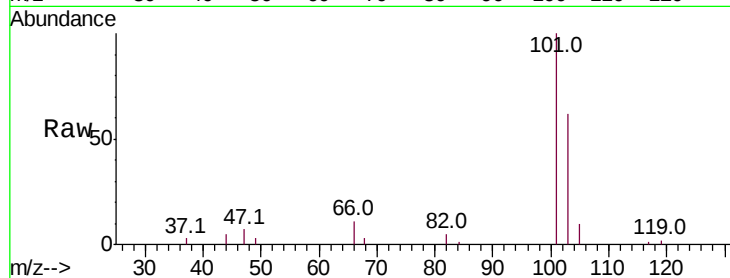


#7

Trichlorofluoromethane
 Concen: 21.028 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW007882.D
 Acq: 24 Dec 2018 12:24

Instrument :
 MSVOA_W
 ClientSampleId :

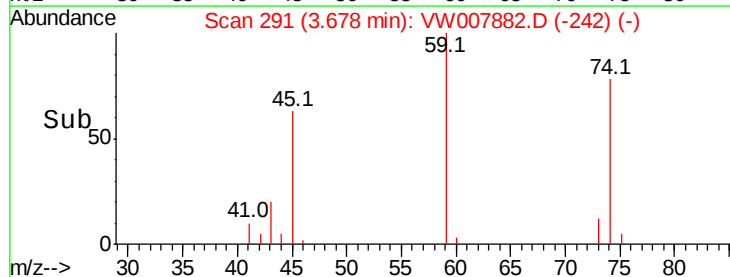
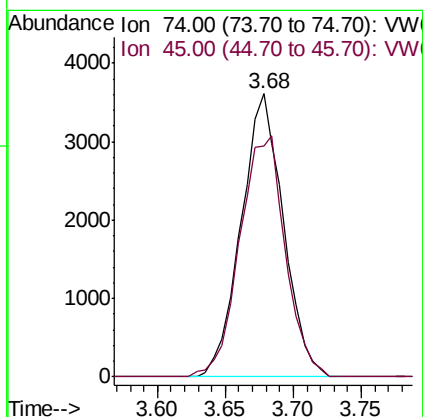
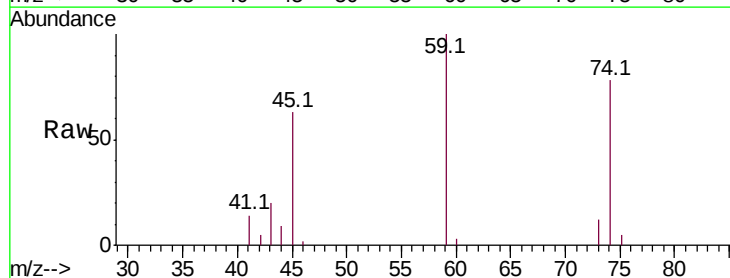
Tot Ion:101 Resp: 11164
 Ion Ratio Lower Upper
 101 100
 103 61.6 53.4 80.2

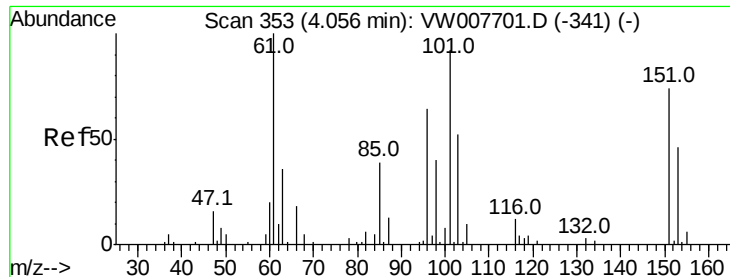


#8

Diethyl Ether
 Concen: 24.106 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW007882.D
 Acq: 24 Dec 2018 12:24

Tgt Ion: 74 Resp: 7839
 Ion Ratio Lower Upper
 74 100
 45 91.6 39.4 118.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.086 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :
MSVOA_W
ClientSampled :

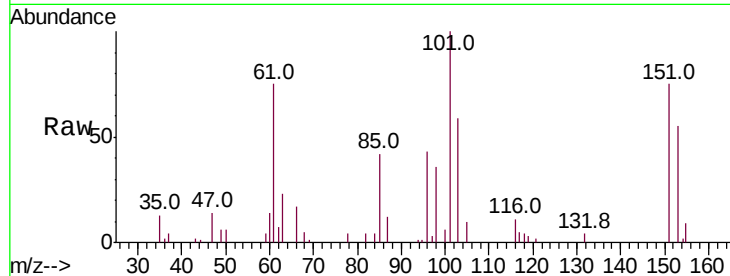
Tot Ion:101 Resp: 18051

Ion Ratio Lower Upper

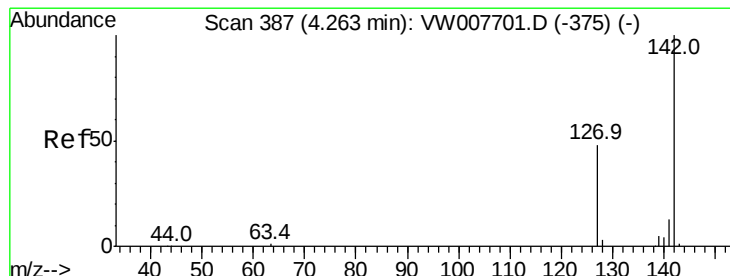
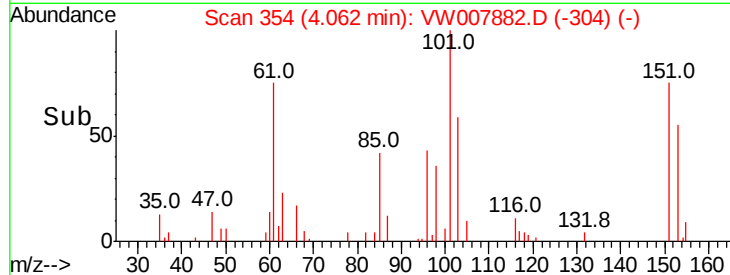
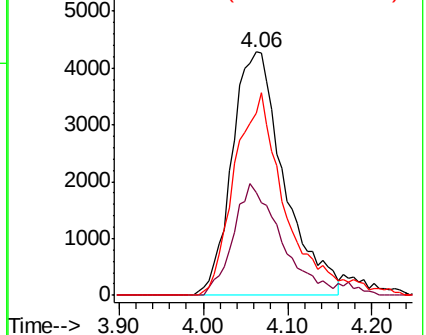
101 100

85 42.1 34.3 51.5

151 79.5 64.6 96.8



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 22.463 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

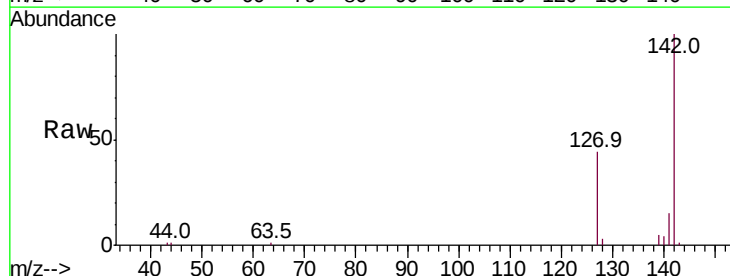
Tgt Ion:142 Resp: 27931

Ion Ratio Lower Upper

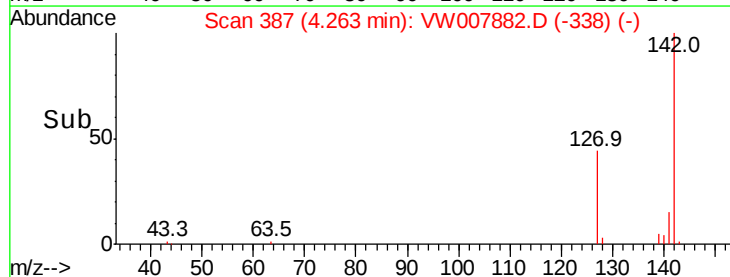
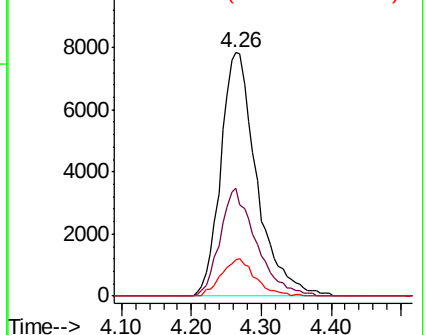
142 100

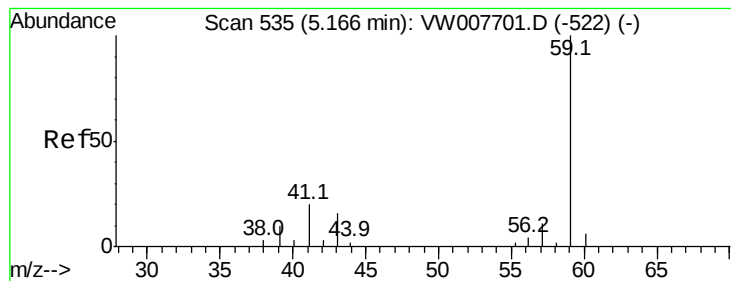
127 44.3 37.7 56.5

141 14.3 11.5 17.3



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



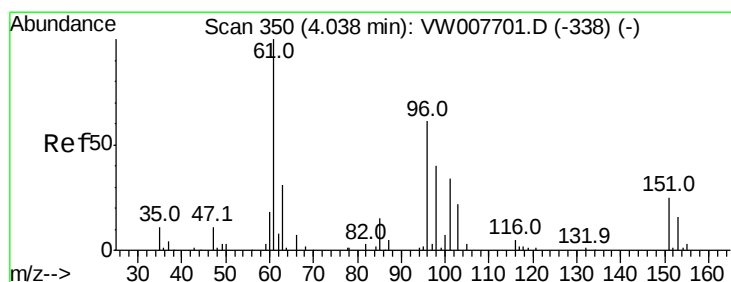
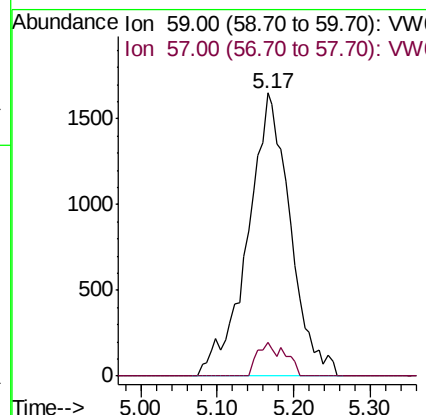
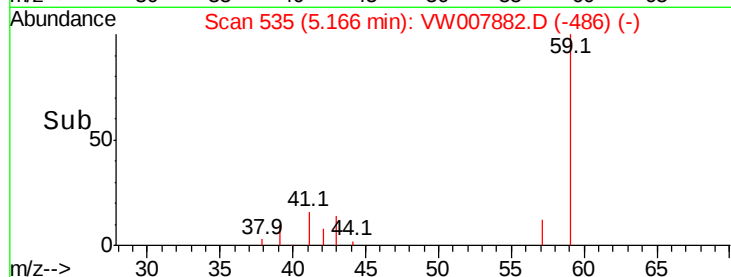
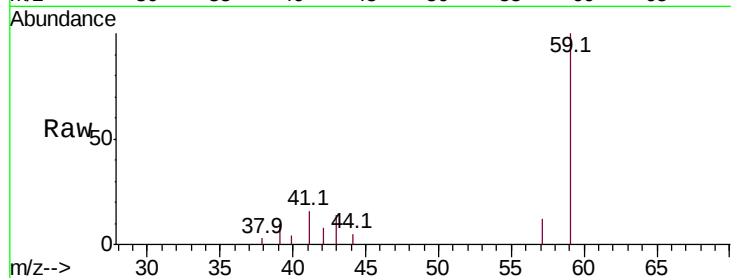


#11

Tert butyl alcohol
 Concen: 117.567 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VW007882.D
 Acq: 24 Dec 2018 12:24

Instrument :
 MSVOA_W
 ClientSampled :

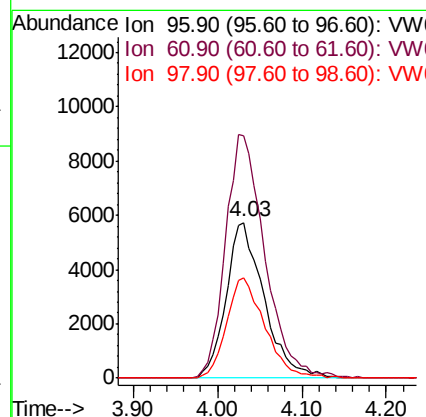
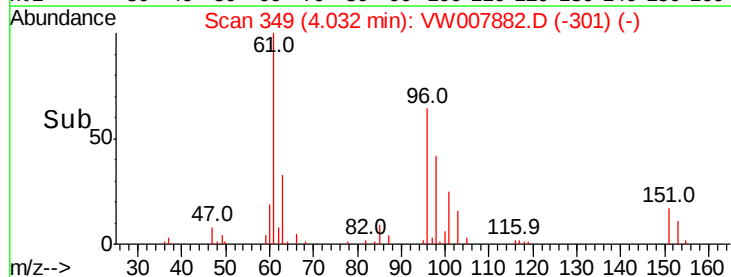
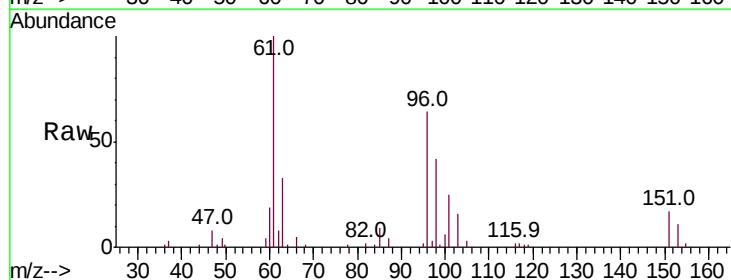
Tot Ion: 59 Resp: 6379
 Ion Ratio Lower Upper
 59 100
 57 5.0 7.8 11.8#

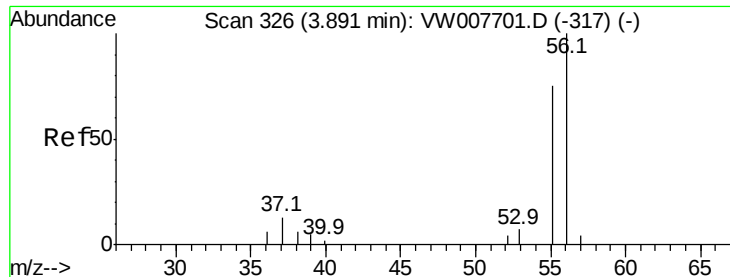


#12

1,1-Dichloroethene
 Concen: 24.282 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW007882.D
 Acq: 24 Dec 2018 12:24

Tgt Ion: 96 Resp: 17581
 Ion Ratio Lower Upper
 96 100
 61 155.8 130.6 195.8
 98 64.7 52.3 78.5





#13

Acrolein

Concen: 108.430 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :

MSVOA_W

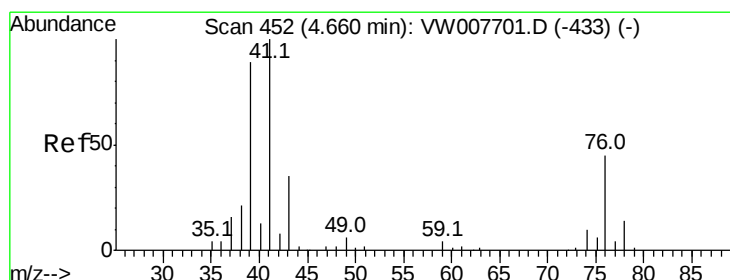
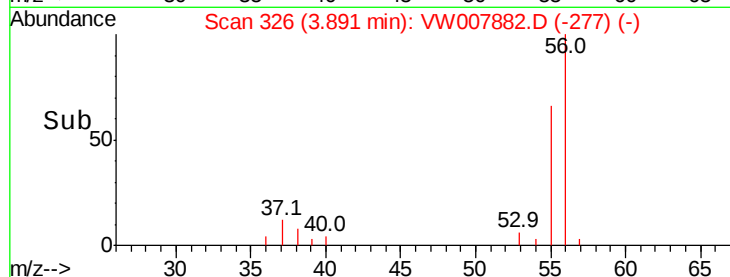
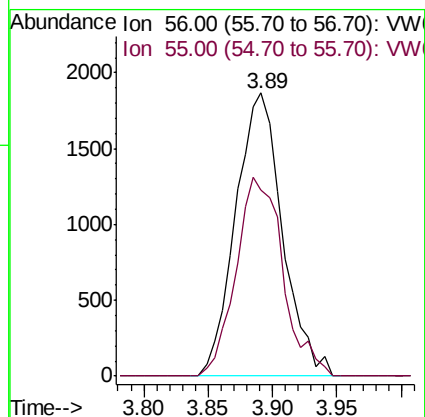
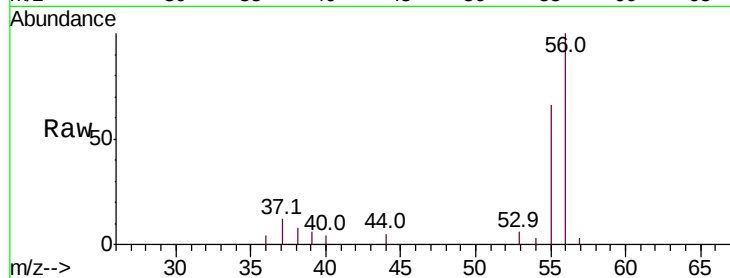
ClientSampleId :

Tot Ion: 56 Resp: 4704

Ion Ratio Lower Upper

56 100

55 70.4 57.7 86.5



#14

Allyl chloride

Concen: 27.633 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

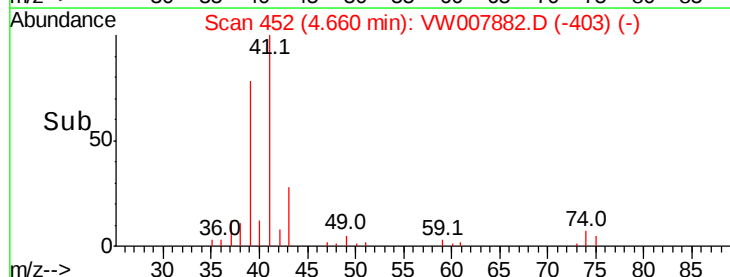
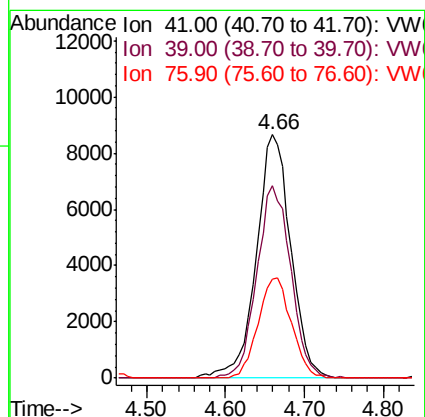
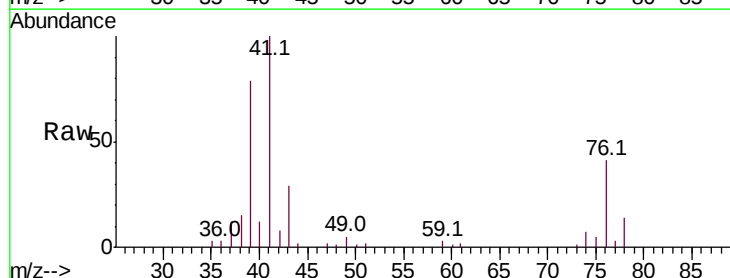
Tgt Ion: 41 Resp: 26237

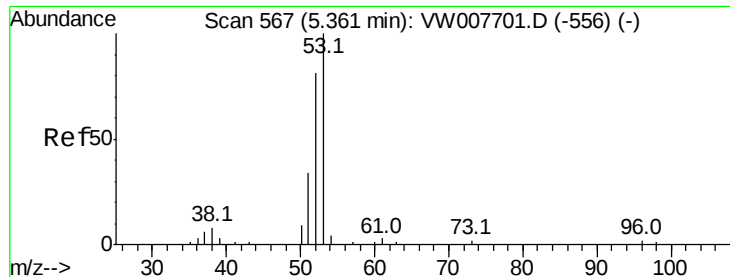
Ion Ratio Lower Upper

41 100

39 78.0 69.5 104.3

76 39.6 34.8 52.2





#15

Acrylonitrile

Concen: 112.369 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :
MSVOA_W
ClientSampleId :

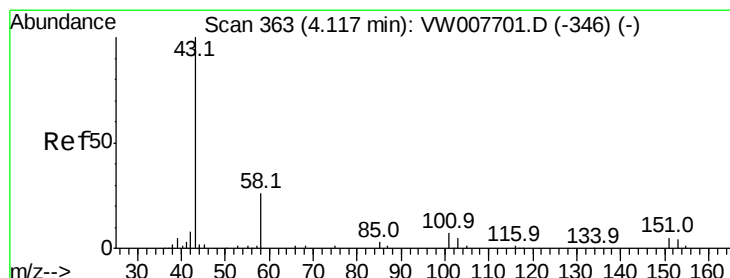
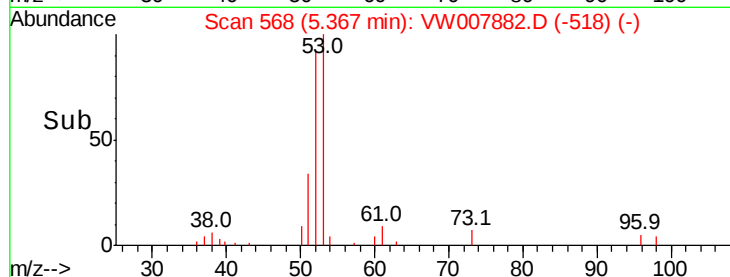
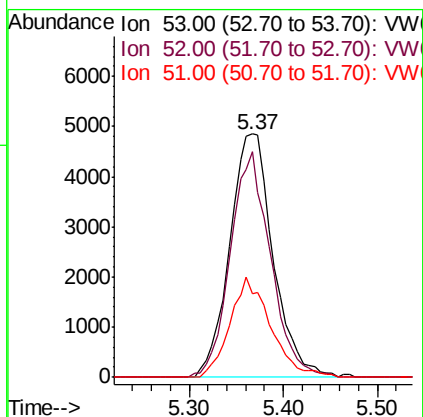
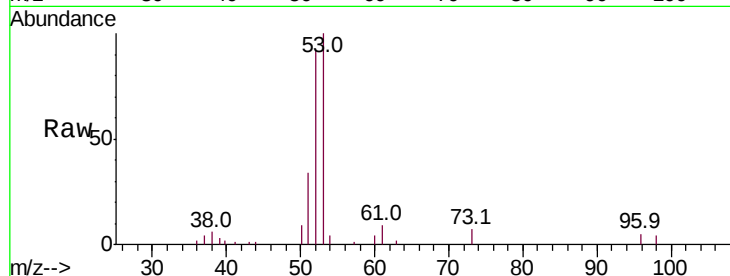
Tot Ion: 53 Resp: 15587

Ion Ratio Lower Upper

53 100

52 86.0 67.0 100.4

51 38.6 30.2 45.2



#16

Acetone

Concen: 113.664 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007882.D

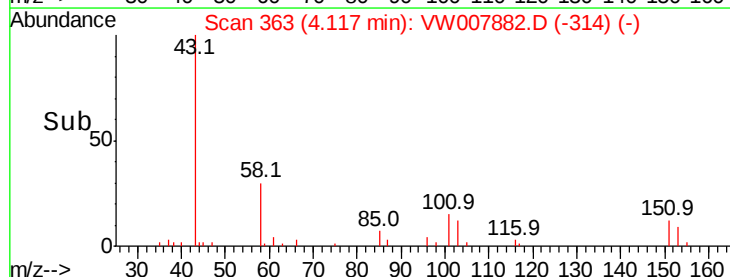
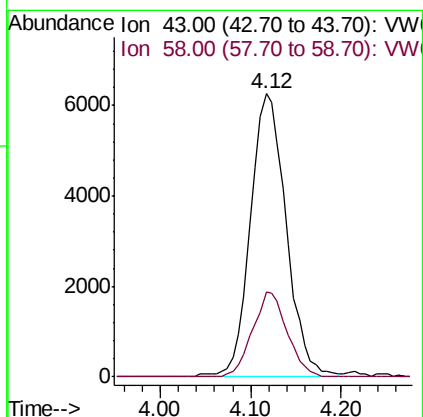
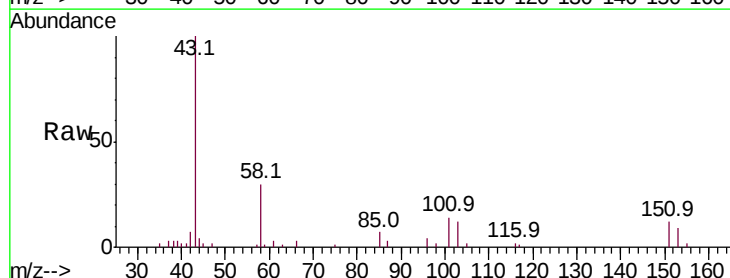
Acq: 24 Dec 2018 12:24

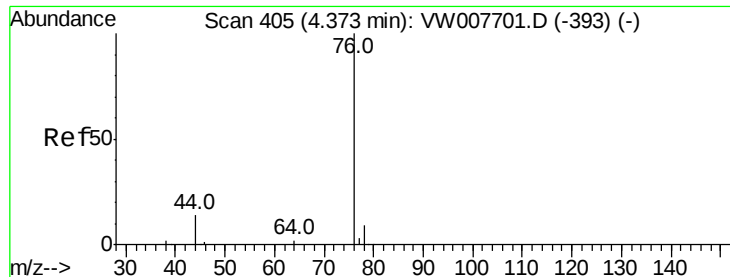
Tgt Ion: 43 Resp: 17120

Ion Ratio Lower Upper

43 100

58 29.8 21.2 31.8





#17

Carbon Disulfide

Concen: 22.416 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :

MSVOA_W

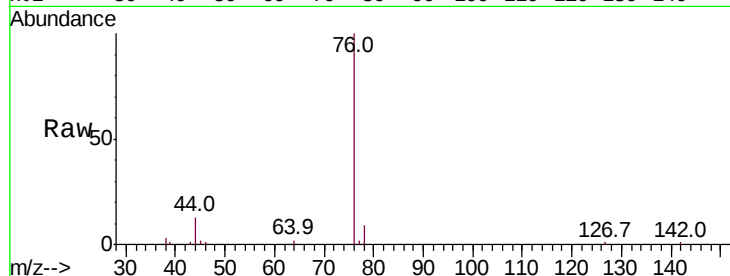
ClientSampleId :

Tot Ion: 76 Resp: 50224

Ion Ratio Lower Upper

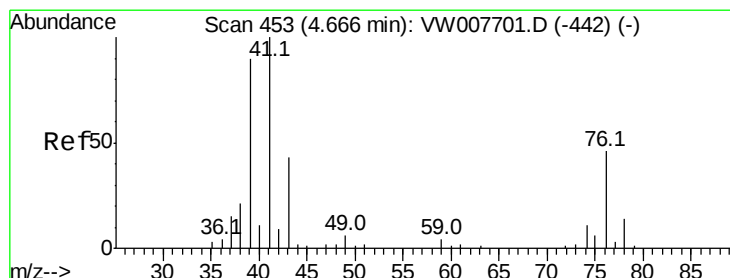
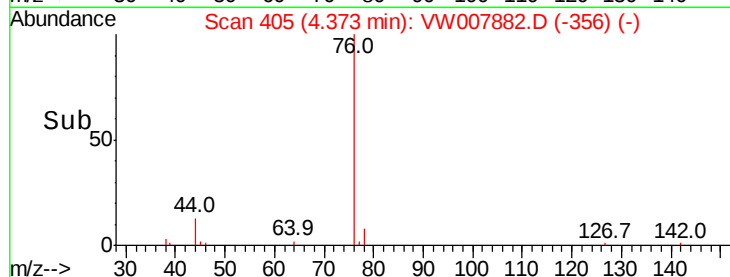
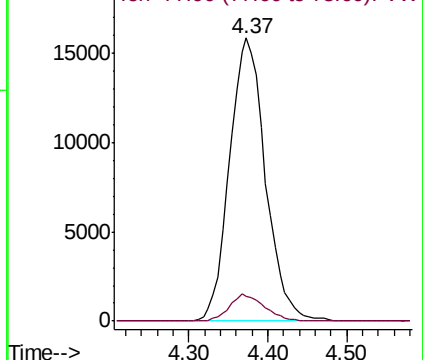
76 100

78 8.8 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 22.602 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW007882.D

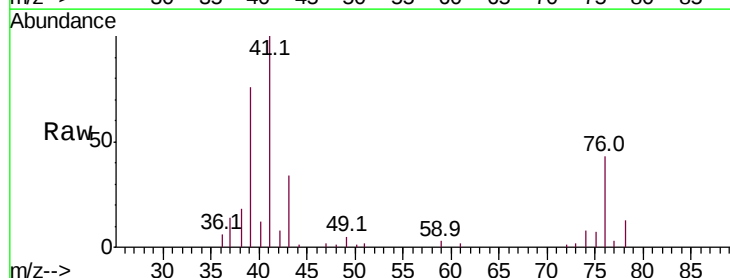
Acq: 24 Dec 2018 12:24

Tgt Ion: 43 Resp: 8096

Ion Ratio Lower Upper

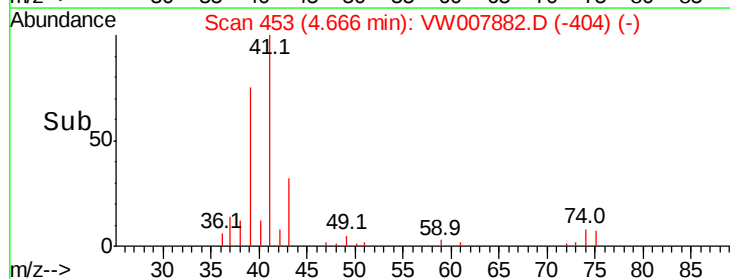
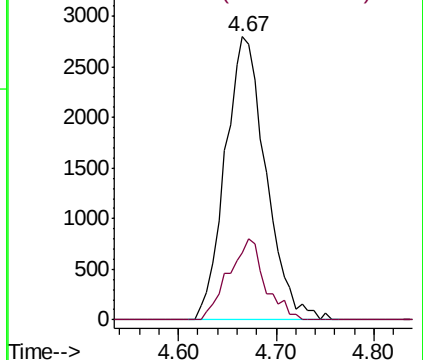
43 100

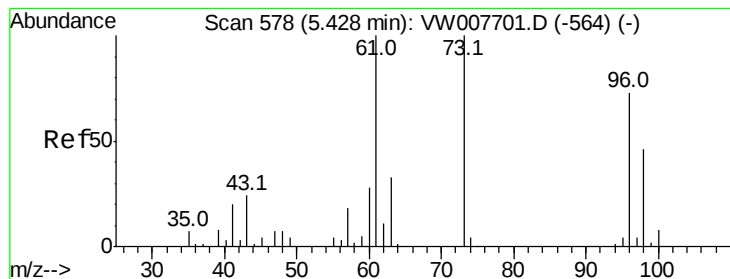
74 25.7 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



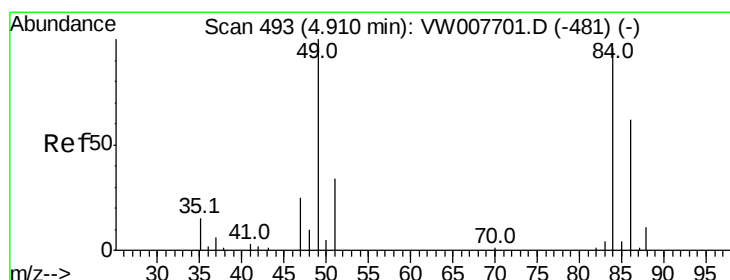
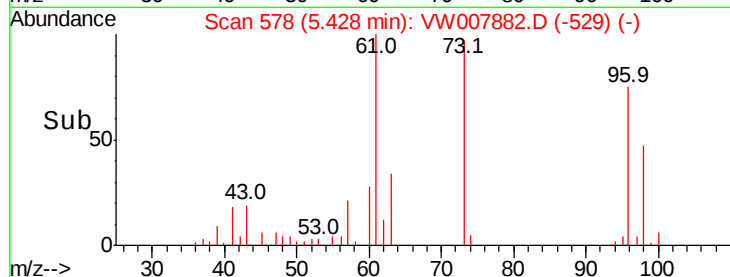
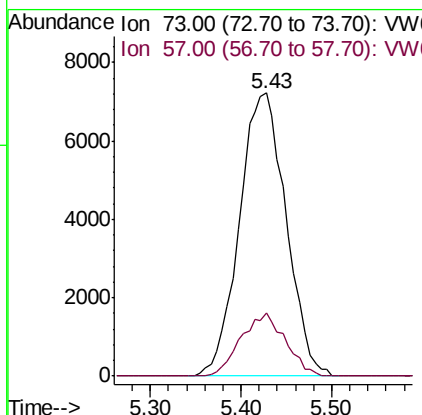
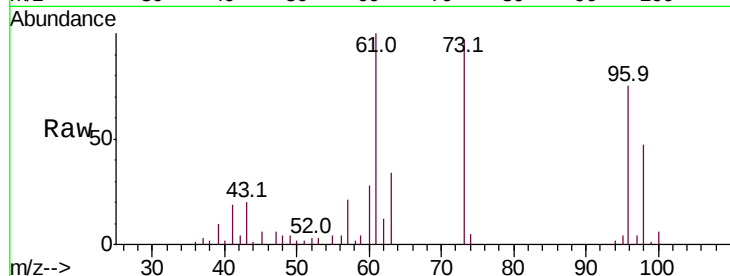


#19

Methyl tert-butyl Ether
 Concen: 24.680 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW007882.D
 Acq: 24 Dec 2018 12:24

Instrument :
 MSVOA_W
 ClientSampleId :

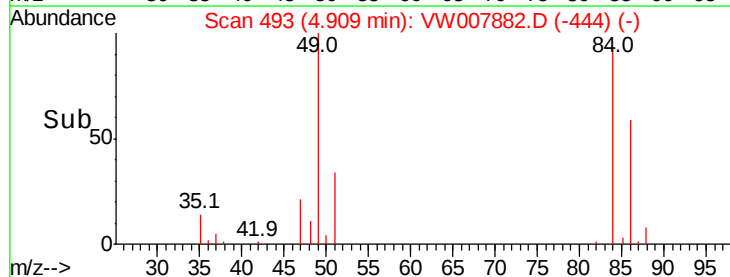
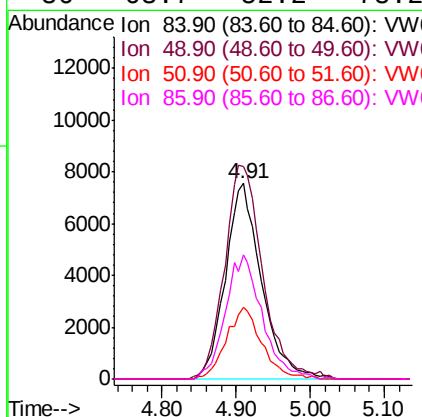
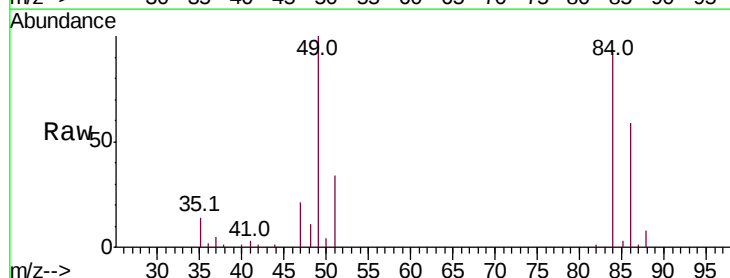
Tot Ion: 73 Resp: 25653
 Ion Ratio Lower Upper
 73 100
 57 22.2 14.7 22.1#

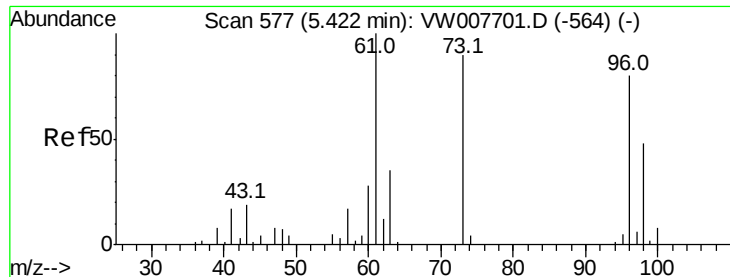


#20

Methylene Chloride
 Concen: 31.577 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW007882.D
 Acq: 24 Dec 2018 12:24

Tgt Ion: 84 Resp: 25535
 Ion Ratio Lower Upper
 84 100
 49 108.6 83.7 125.5
 51 36.7 28.2 42.2
 86 63.7 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 23.403 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :

MSVOA_W

ClientSampled :

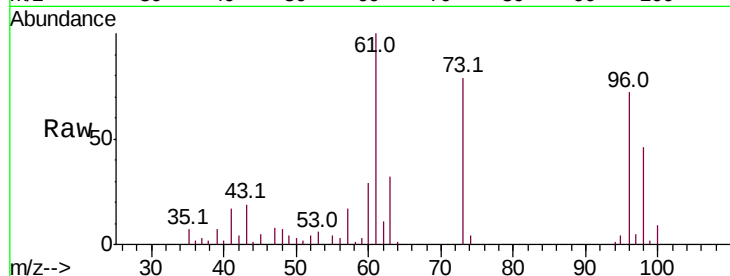
Tot Ion: 96 Resp: 18636

Ion Ratio Lower Upper

96 100

61 139.6 100.1 150.1

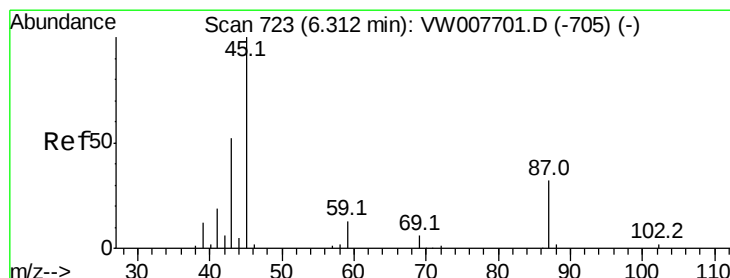
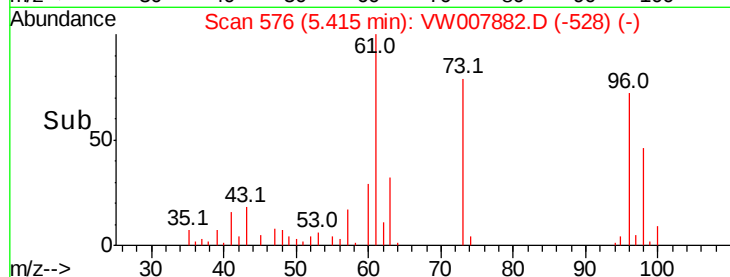
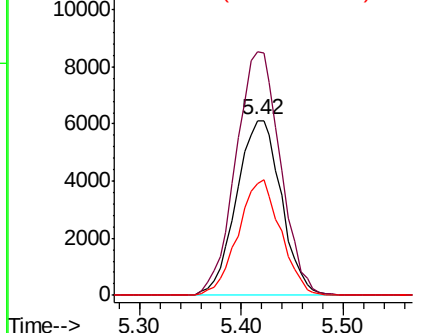
98 63.9 48.5 72.7



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 26.304 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Tgt Ion: 45 Resp: 46765

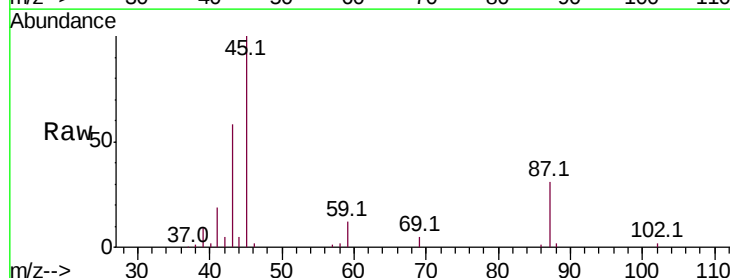
Ion Ratio Lower Upper

45 100

43 57.3 43.7 65.5

87 30.9 26.6 40.0

59 12.0 10.2 15.2

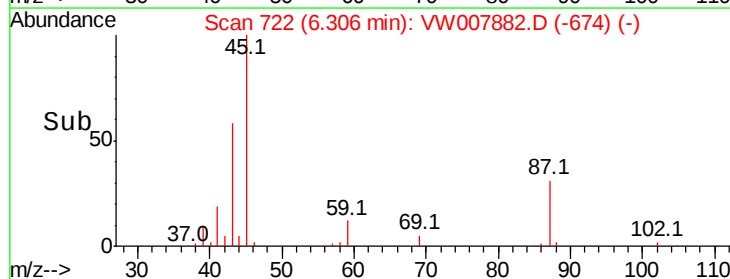
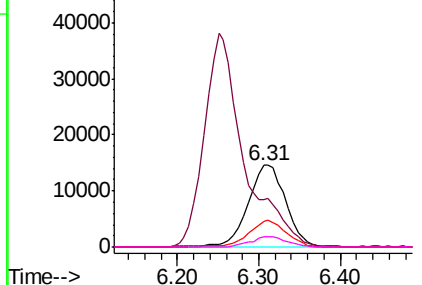


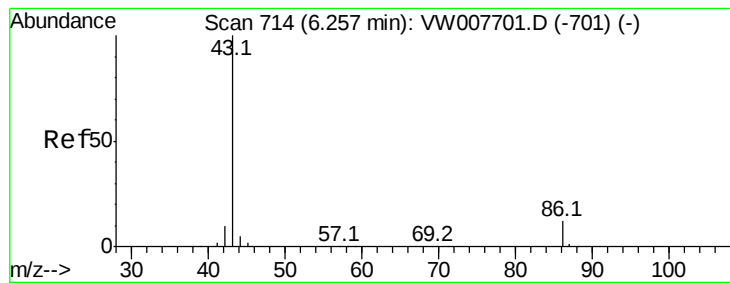
Abundance Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 122.091 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

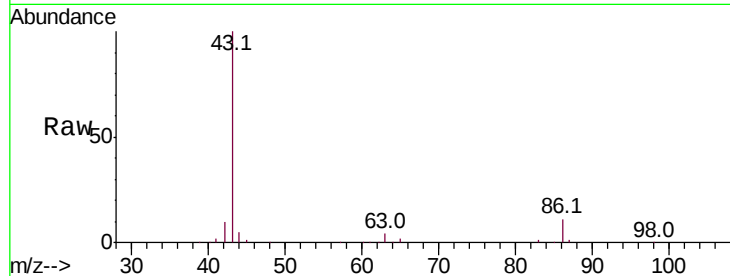
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 128961

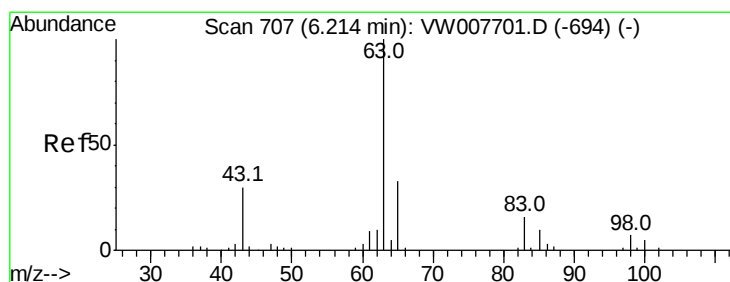
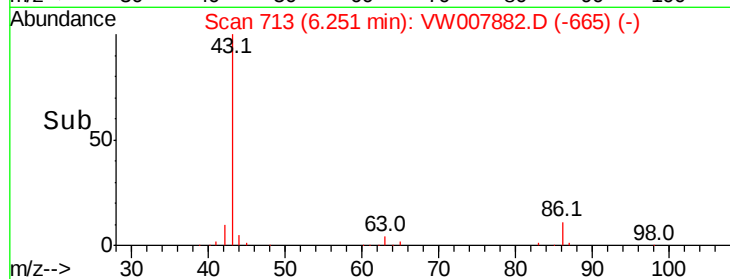
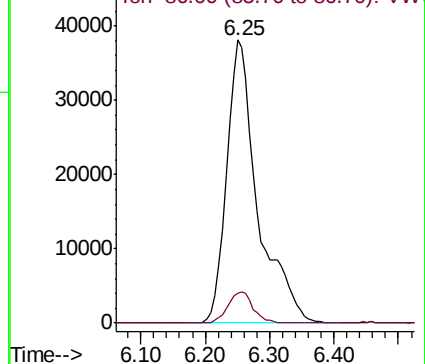
Ion Ratio Lower Upper

43 100

86 10.6 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 24.812 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

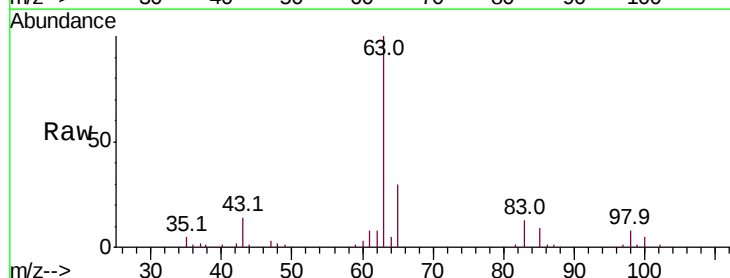
Tgt Ion: 63 Resp: 32451

Ion Ratio Lower Upper

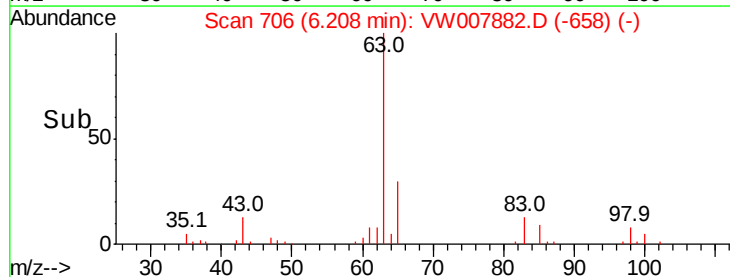
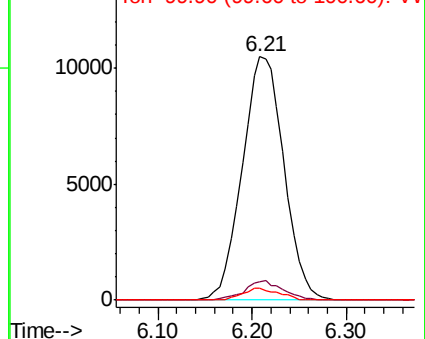
63 100

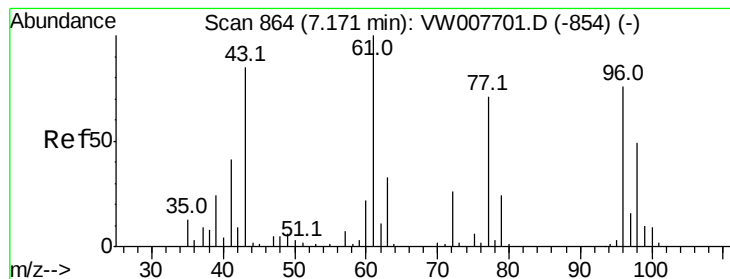
98 7.7 3.6 10.9

100 5.2 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 97.90 (97.60 to 98.60): VW
Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 114.908 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :

MSVOA_W

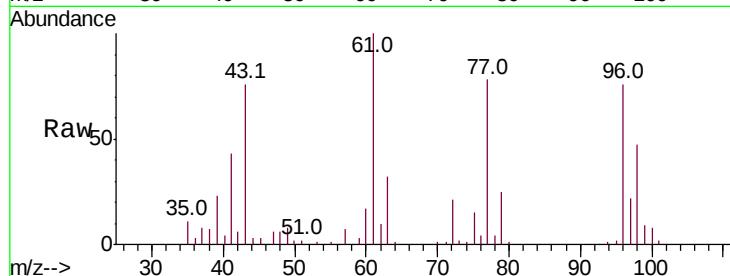
ClientSampleId :

Tot Ion: 43 Resp: 20272

Ion Ratio Lower Upper

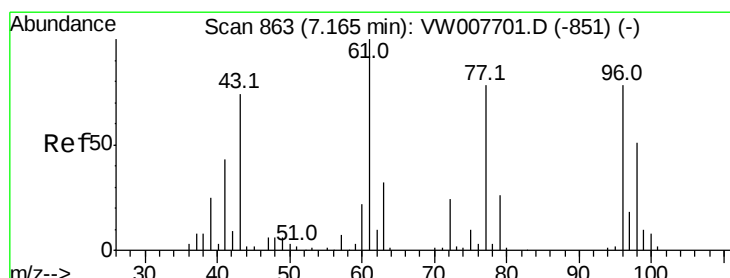
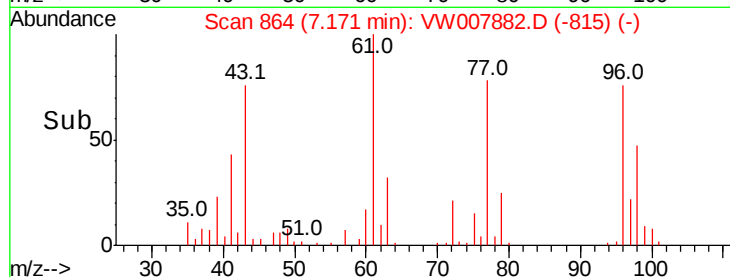
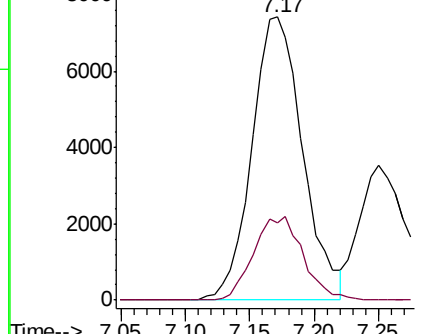
43 100

72 27.3 24.5 36.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 25.051 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007882.D

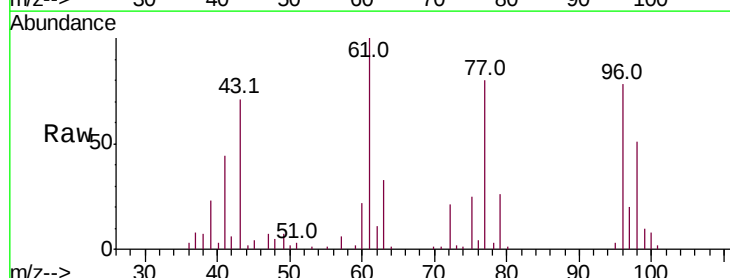
Acq: 24 Dec 2018 12:24

Tgt Ion: 77 Resp: 23975

Ion Ratio Lower Upper

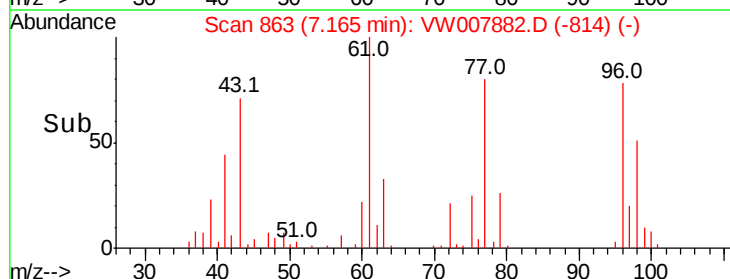
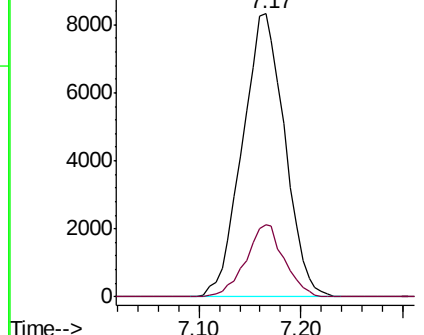
77 100

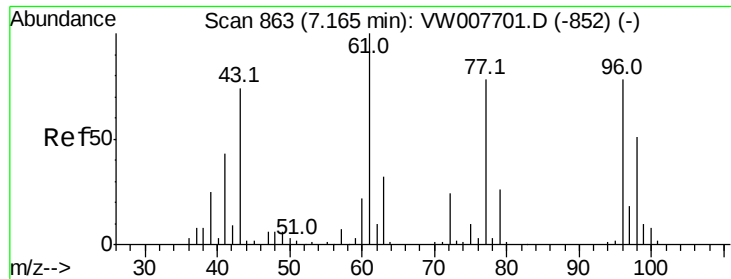
97 23.2 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



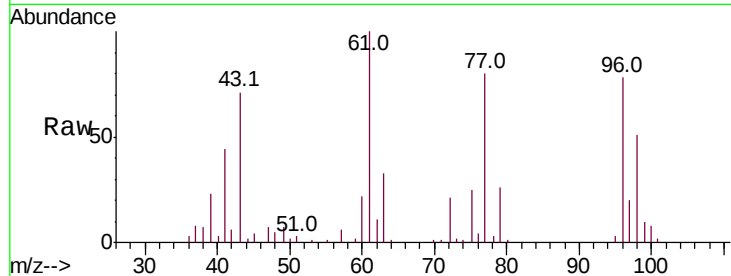


#27

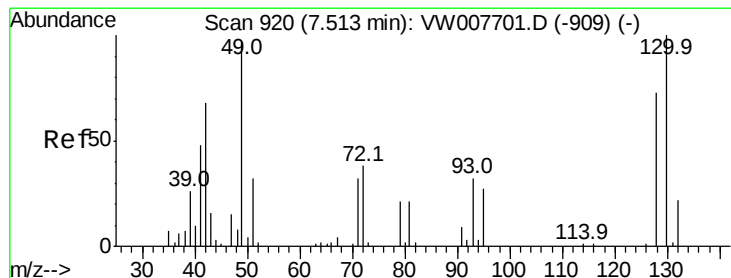
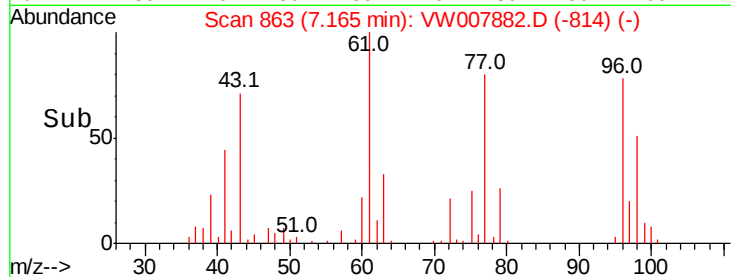
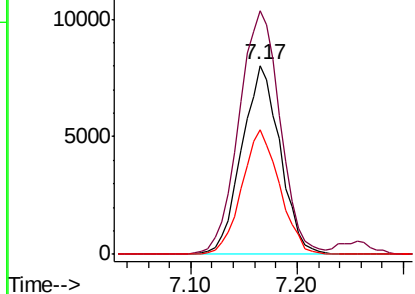
cis-1,2-Dichloroethene
Concen: 23.850 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 20234
Ion Ratio Lower Upper
96 100
61 139.1 0.0 271.6
98 65.1 0.0 131.2



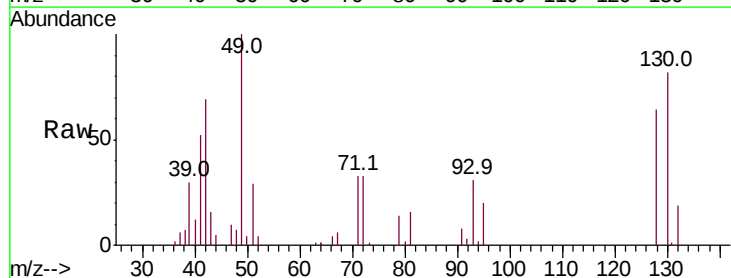
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



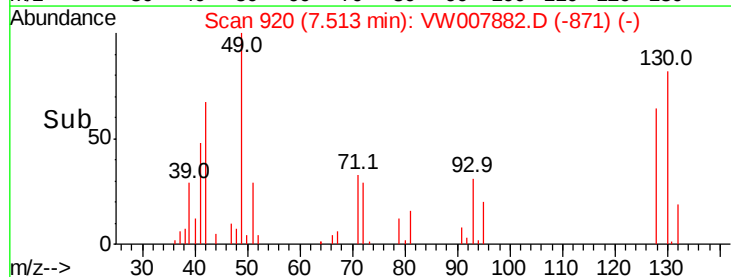
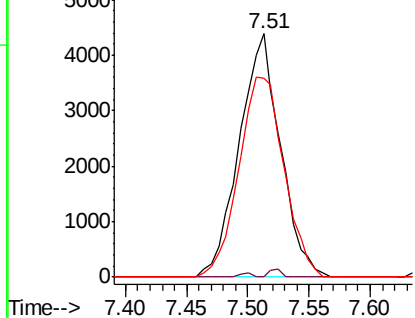
#28

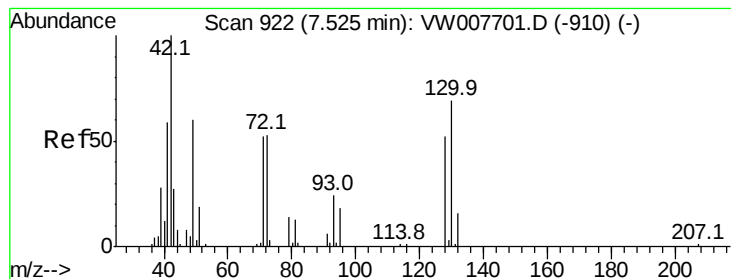
Bromochloromethane
Concen: 23.051 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Tgt Ion: 49 Resp: 10279
Ion Ratio Lower Upper
49 100
129 0.4 0.0 2.2
130 90.1 81.5 122.3



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: 117.465 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :

MSVOA_W

ClientSampled :

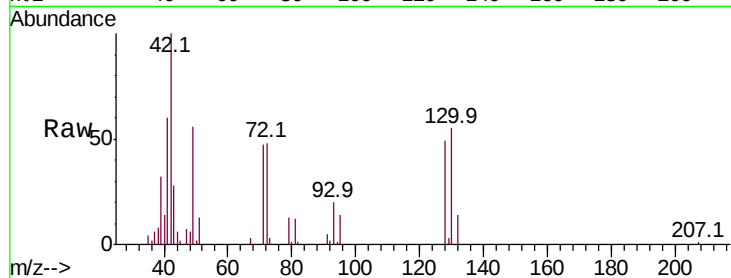
Tot Ion: 42 Resp: 12361

Ion Ratio Lower Upper

42 100

72 48.8 41.7 62.5

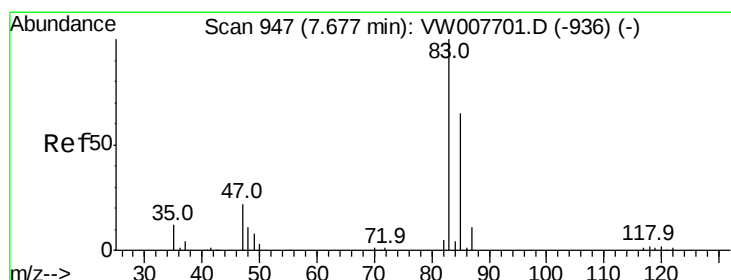
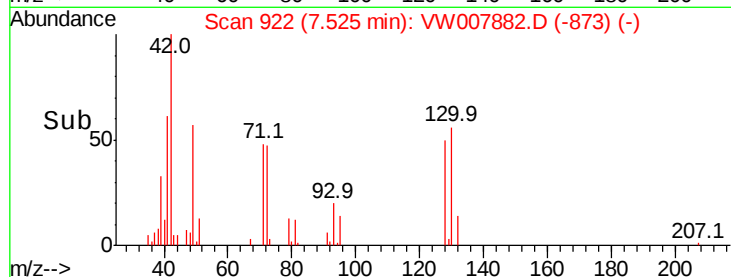
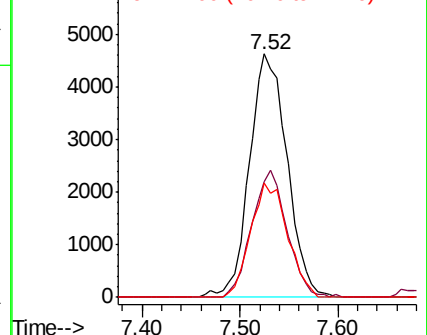
71 46.1 39.0 58.6



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: 22.799 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW007882.D

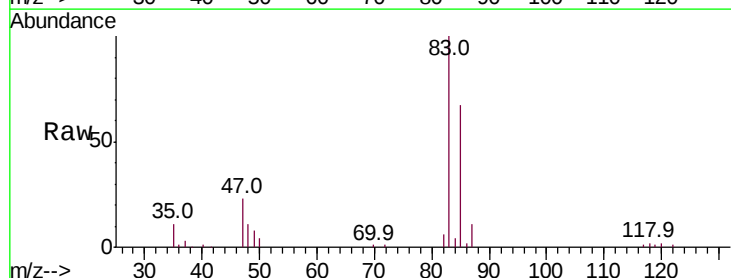
Acq: 24 Dec 2018 12:24

Tgt Ion: 83 Resp: 33745

Ion Ratio Lower Upper

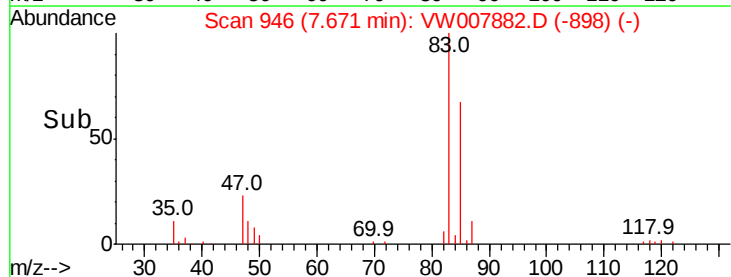
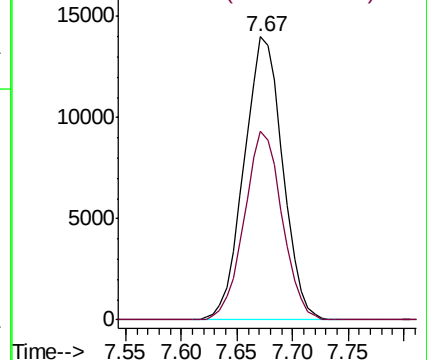
83 100

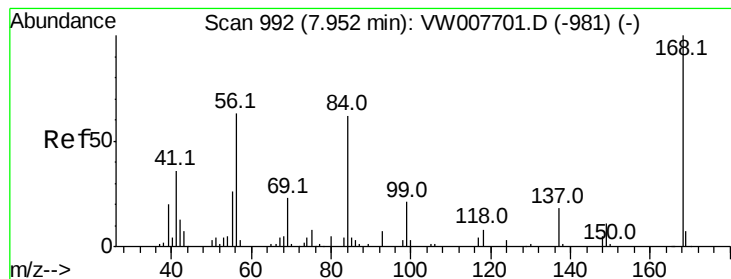
85 66.9 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 26.655 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

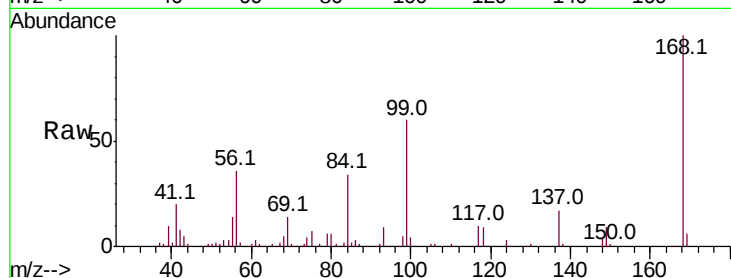
Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 31915

Ion	Ratio	Lower	Upper
56	100		
69	38.9	29.7	44.5
84	91.3	78.9	118.3

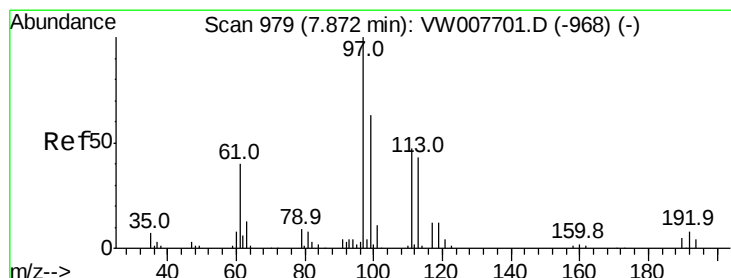
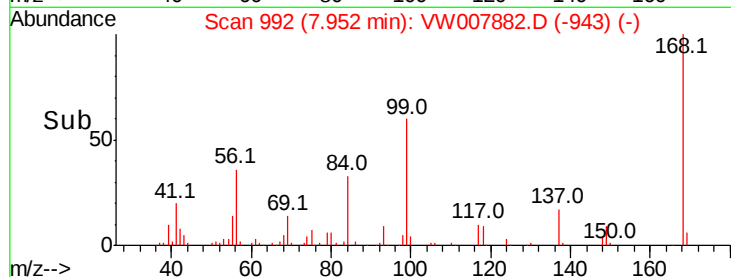
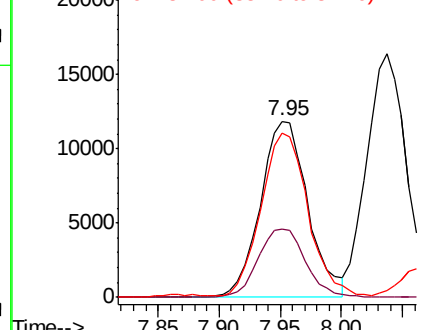


Abundance

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: 23.120 ug/l

RT: 7.87 min Scan# 979

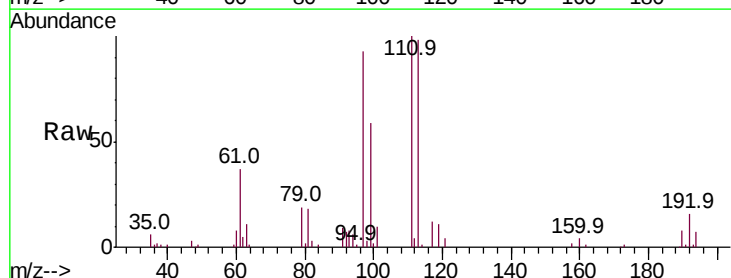
Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Tgt Ion: 97 Resp: 31166

Ion	Ratio	Lower	Upper
97	100		
99	65.5	50.6	76.0
61	41.2	32.3	48.5

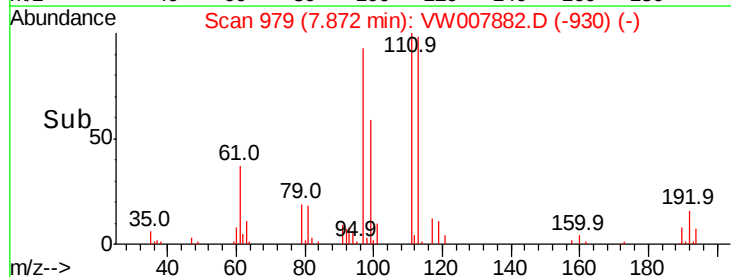
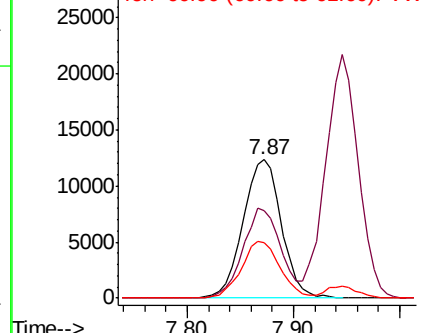


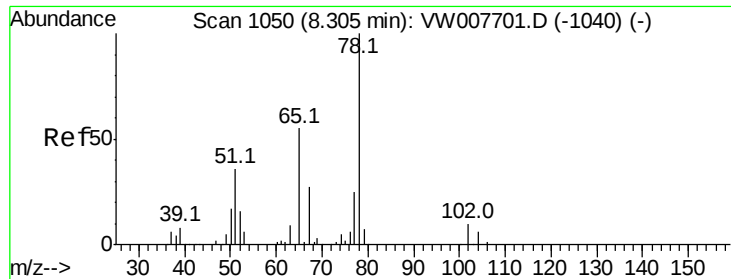
Abundance

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: 51.356 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :

MSVOA_W

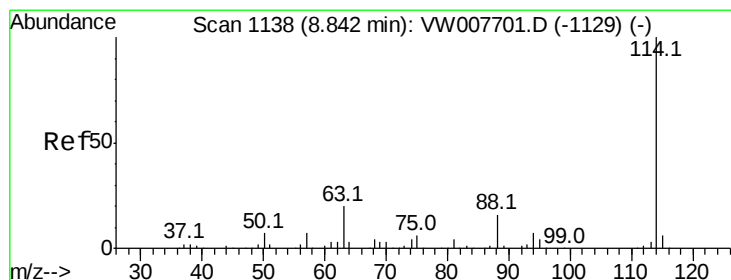
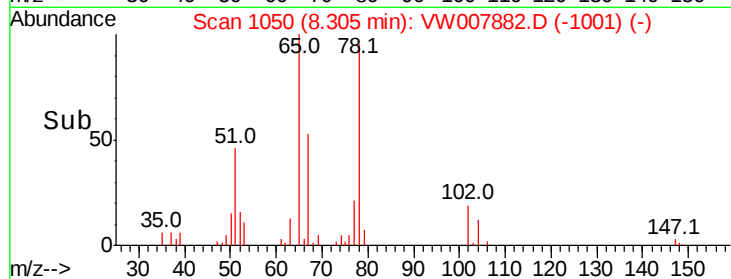
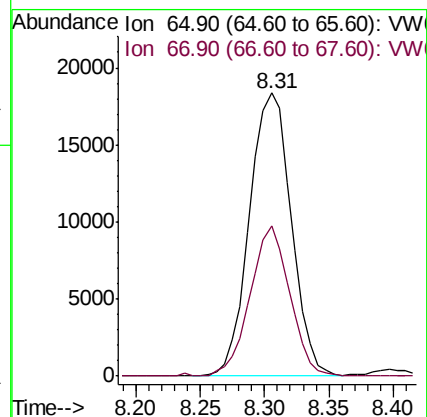
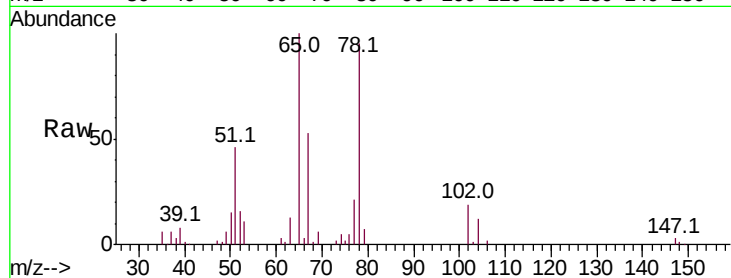
ClientSampleId :

Tot Ion: 65 Resp: 41307

Ion Ratio Lower Upper

65 100

67 50.0 0.0 100.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

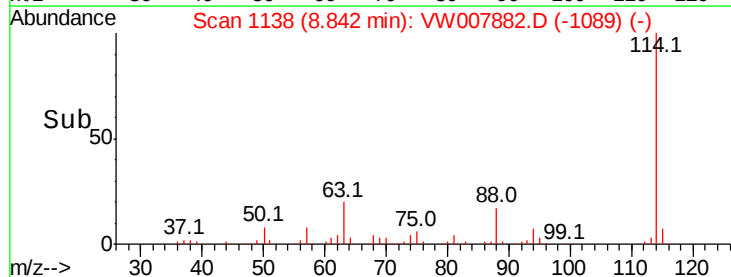
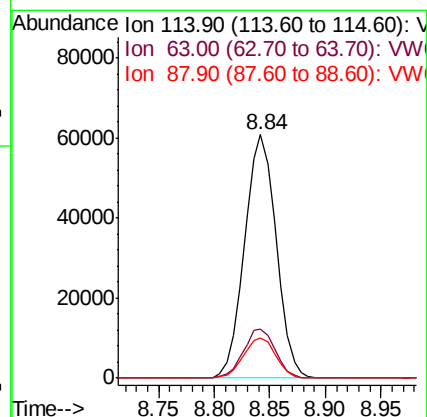
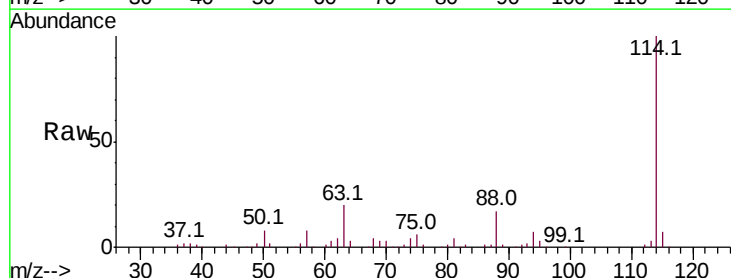
Tgt Ion: 114 Resp: 119936

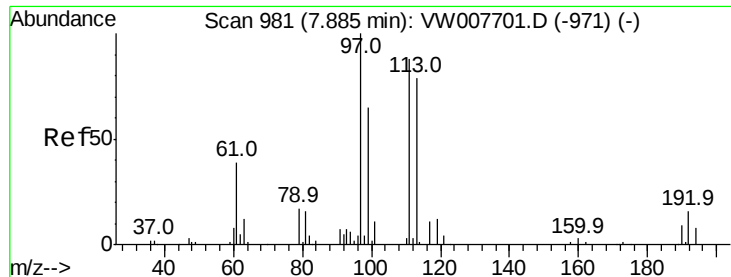
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.0

88 16.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.809 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :
MSVOA_W
ClientSampled :

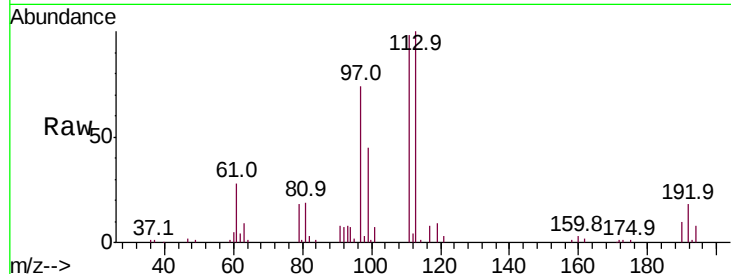
Tot Ion:113 Resp: 37907

Ion Ratio Lower Upper

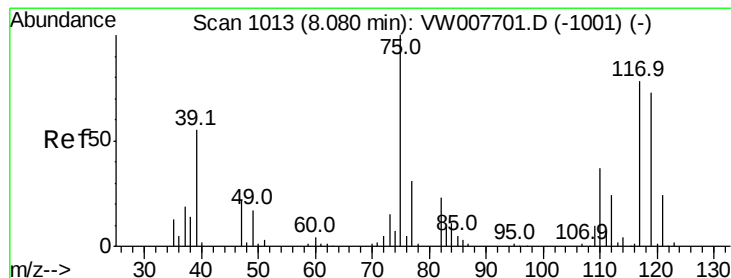
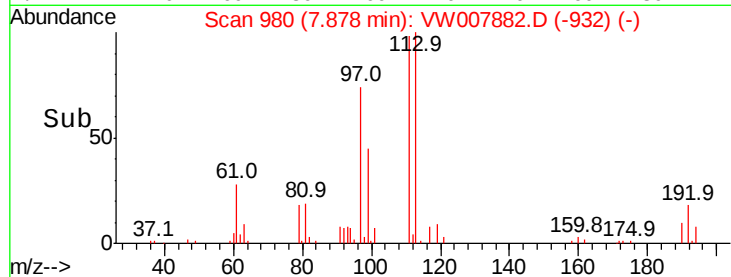
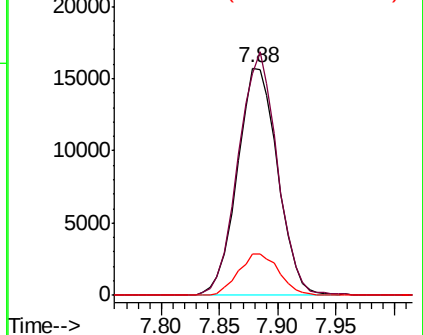
113 100

111 103.5 82.6 124.0

192 18.4 15.5 23.3



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: 23.848 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

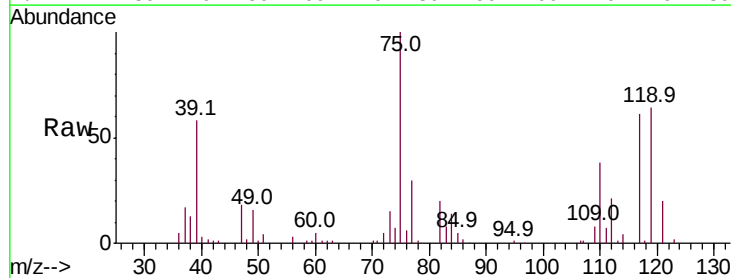
Tgt Ion: 75 Resp: 27606

Ion Ratio Lower Upper

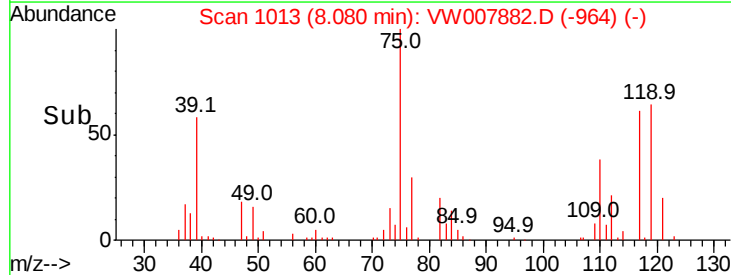
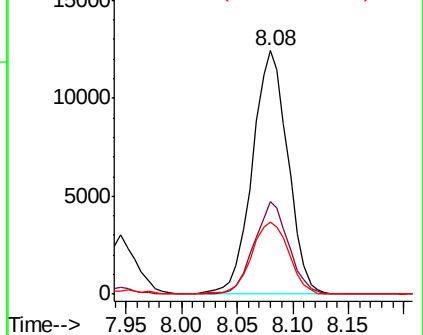
75 100

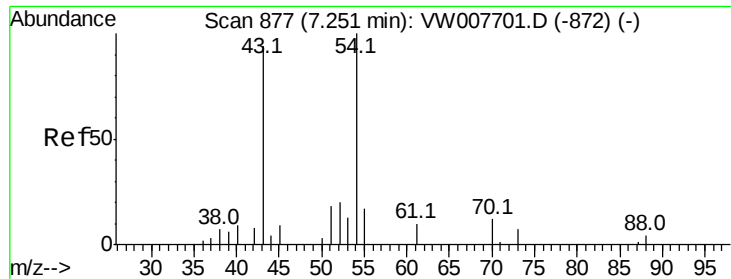
110 36.5 18.6 55.8

77 31.0 25.0 37.4



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

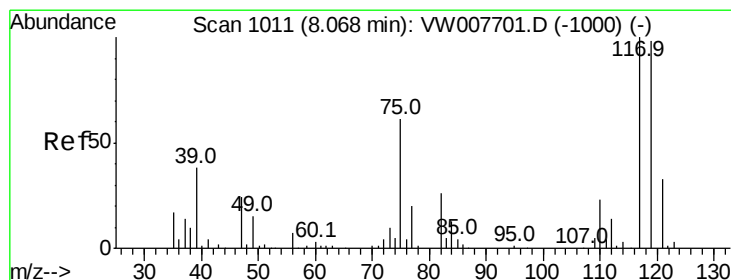
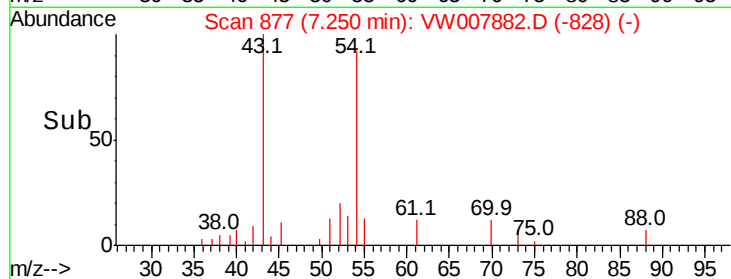
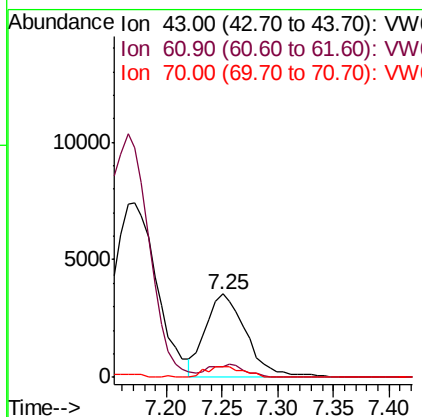
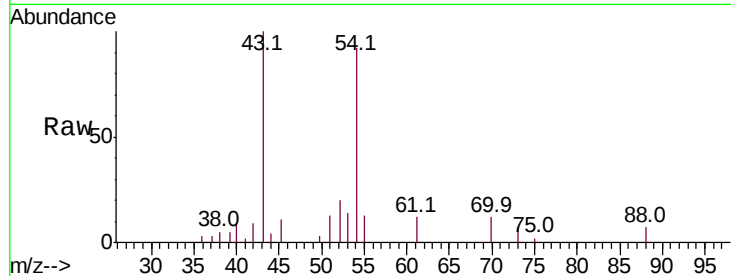




#37
Ethyl Acetate
Concen: 22.576 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

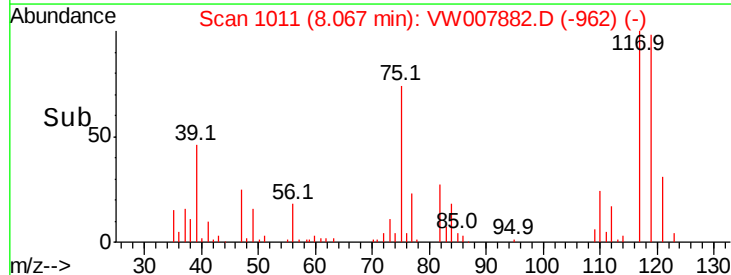
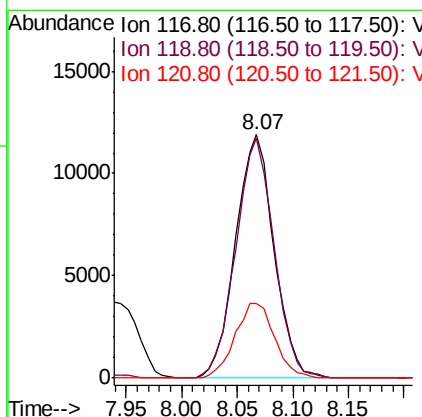
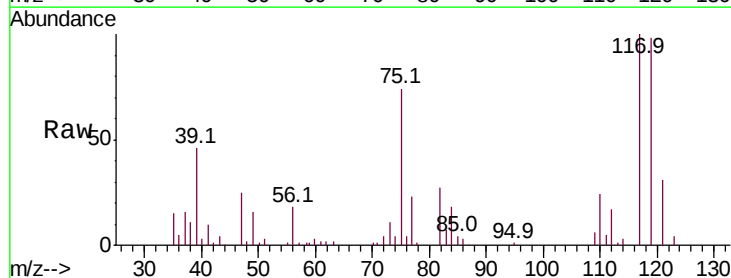
Instrument :
MSVOA_W
ClientSampled :

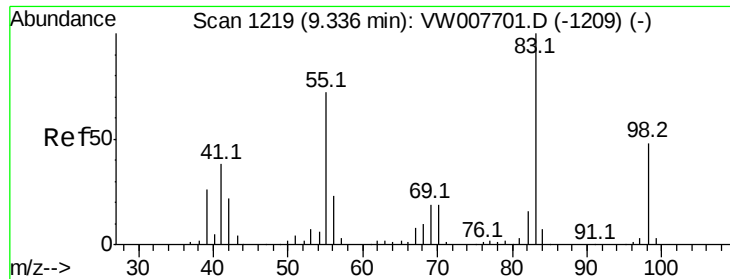
Tot Ion: 43 Resp: 9019
Ion Ratio Lower Upper
43 100
61 13.6 11.2 16.8
70 11.3 9.3 13.9



#38
Carbon Tetrachloride
Concen: 20.855 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Tgt Ion: 117 Resp: 28432
Ion Ratio Lower Upper
117 100
119 98.4 78.2 117.2
121 30.6 26.1 39.1

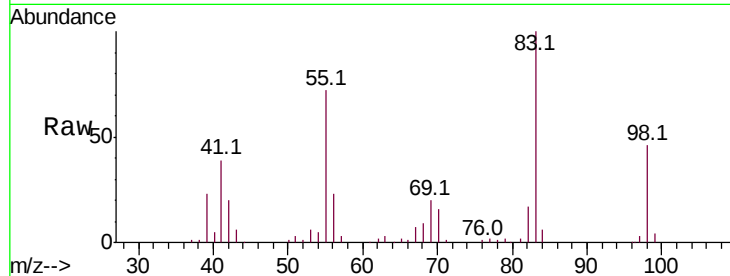




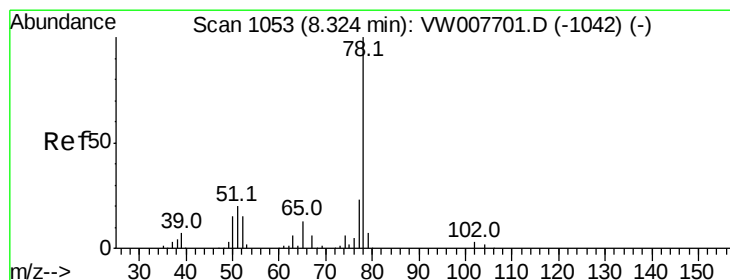
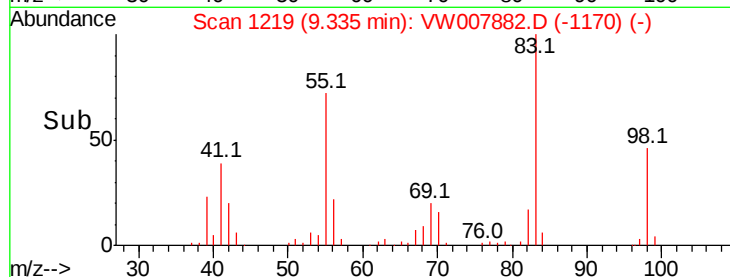
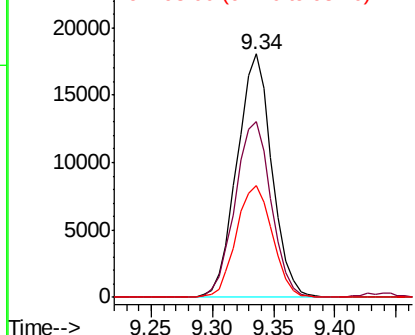
#39
Methvlcvclohexane
Concen: 24.827 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 83 Resp: 35712
Ion Ratio Lower Upper
83 100
55 72.4 57.2 85.8
98 45.9 38.6 58.0

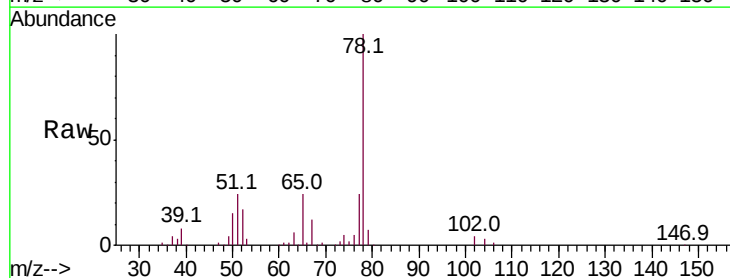


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

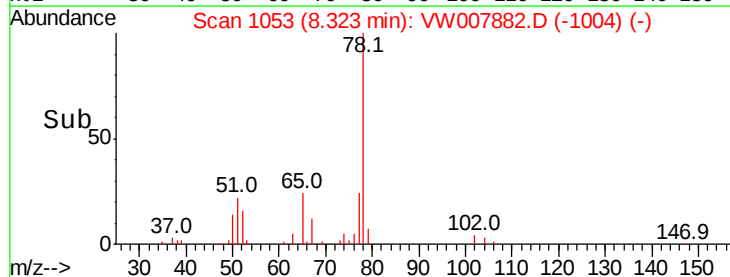
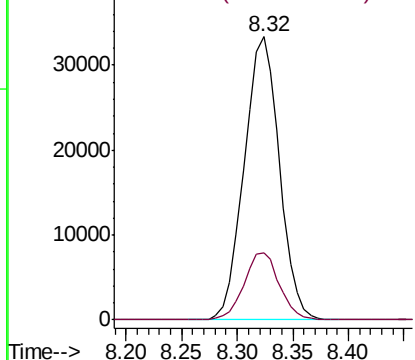


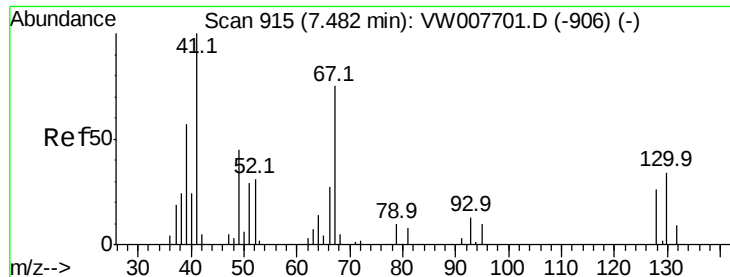
#40
Benzene
Concen: 23.788 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Tgt Ion: 78 Resp: 73481
Ion Ratio Lower Upper
78 100
77 23.8 18.7 28.1



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

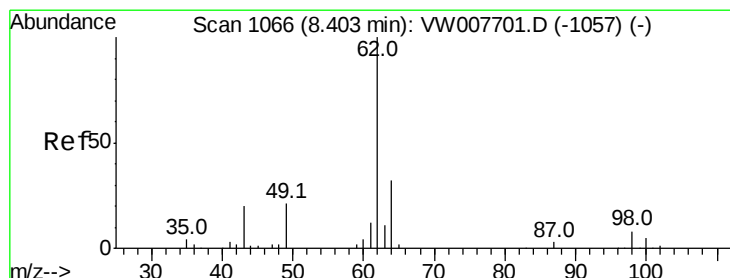
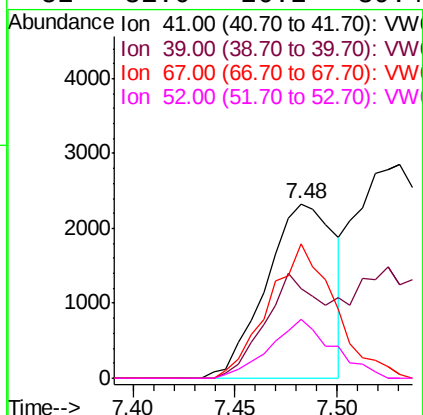
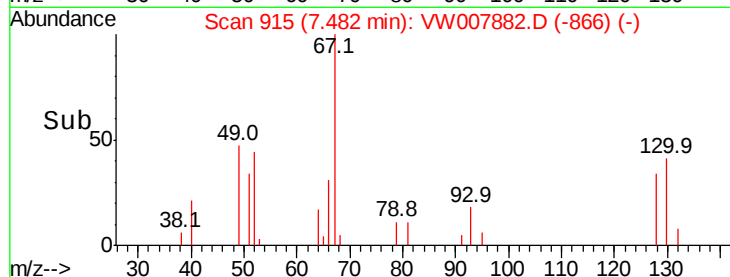
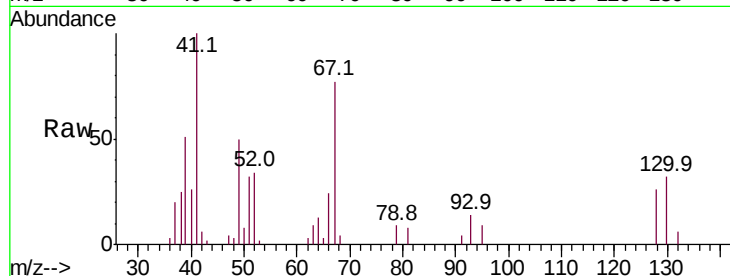




#41
Methacrylonitrile
Concen: 24.041 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

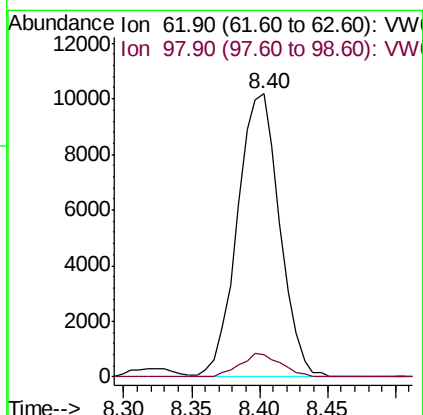
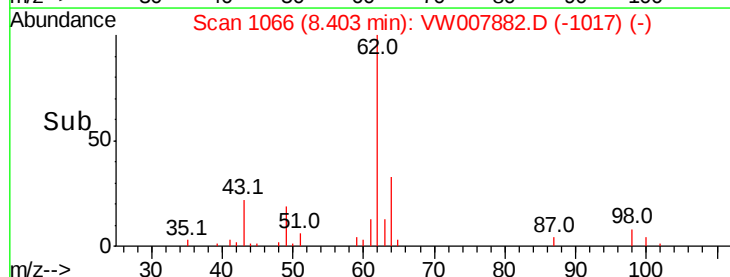
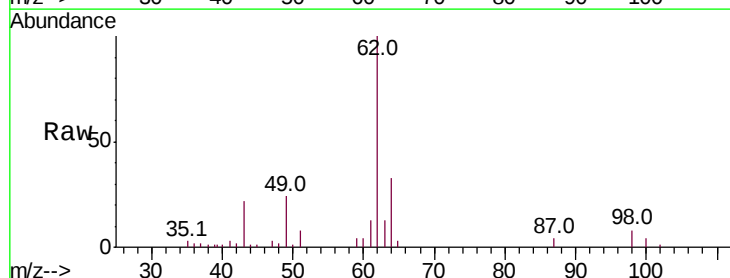
Instrument :
MSVOA_W
ClientSampled :

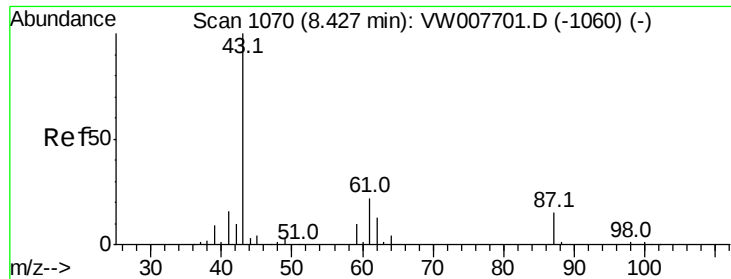
Tot Ion: 41 Resp: 5453
Ion Ratio Lower Upper
41 100
39 47.6 54.2 81.4#
67 74.5 65.7 98.5
52 31.0 26.2 39.4



#42
1,2-Dichloroethane
Concen: 21.405 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Tgt Ion: 62 Resp: 22158
Ion Ratio Lower Upper
62 100
98 8.0 0.0 16.6





#43

Isopropyl Acetate

Concen: 22.368 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :
MSVOA_W
ClientSampled :

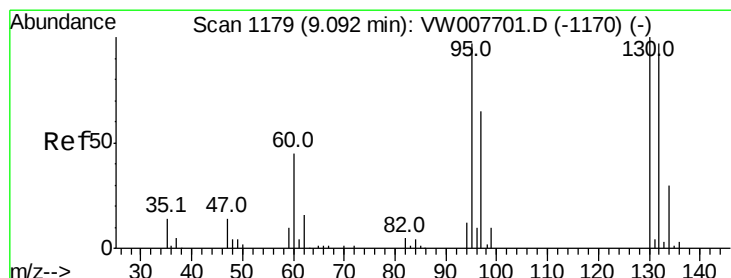
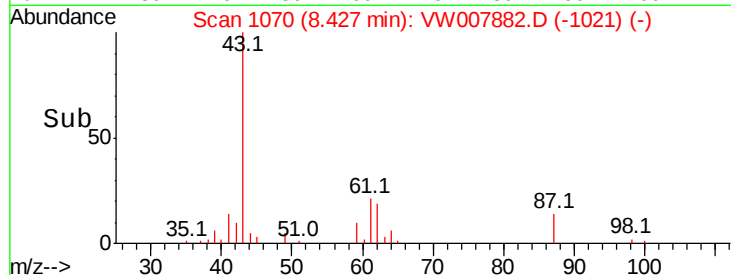
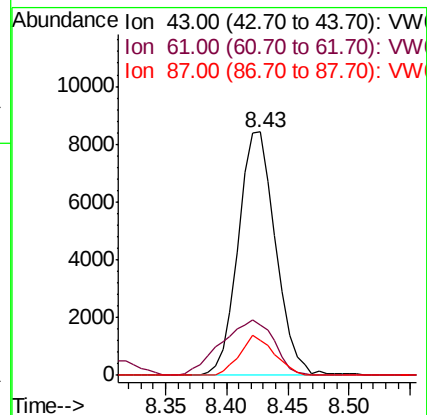
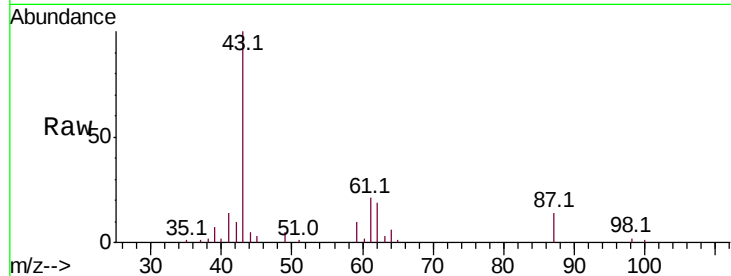
Tot Ion: 43 Resp: 17903

Ion Ratio Lower Upper

43 100

61 32.1 26.3 39.5

87 15.0 12.0 18.0



#44

Trichloroethene

Concen: 22.407 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007882.D

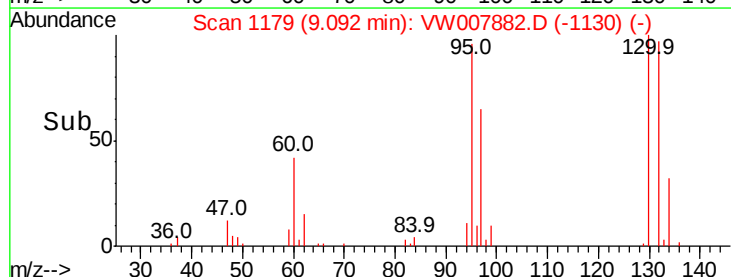
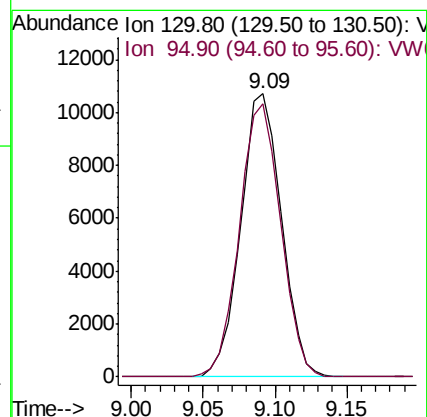
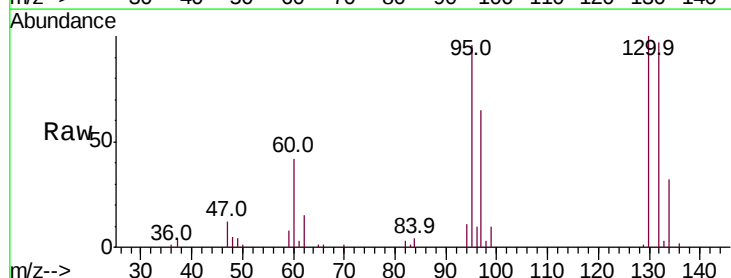
Acq: 24 Dec 2018 12:24

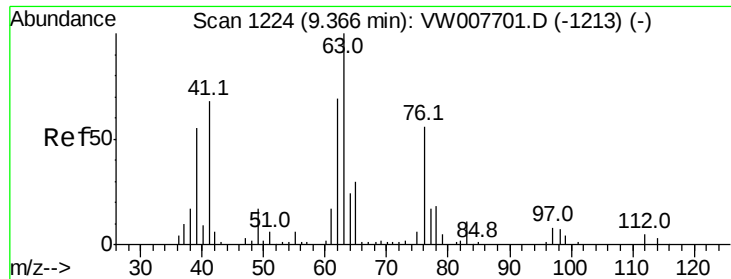
Tgt Ion: 130 Resp: 20932

Ion Ratio Lower Upper

130 100

95 96.4 0.0 194.8





#45

1,2-Dichloropropane

Concen: 24.831 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :

MSVOA_W

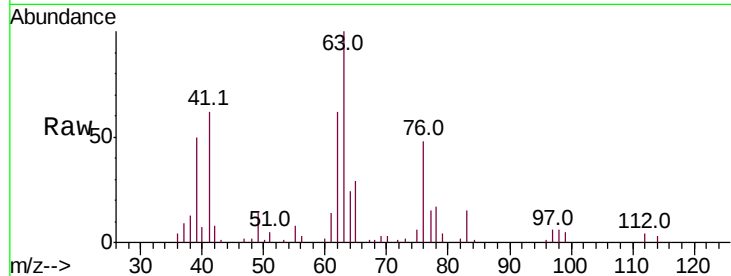
ClientSampled :

Tot Ion: 63 Resp: 17020

Ion Ratio Lower Upper

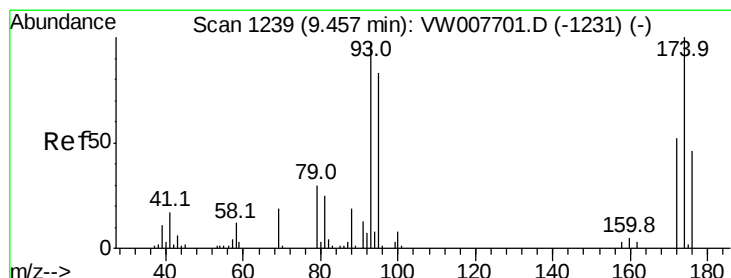
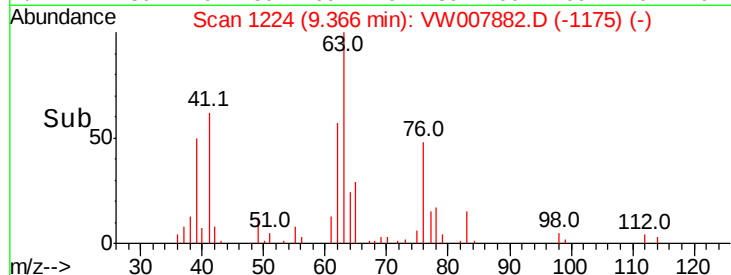
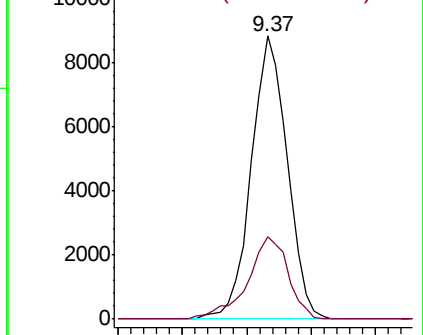
63 100

65 29.1 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 21.096 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

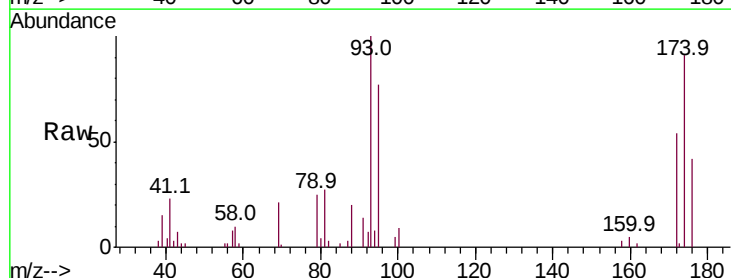
Tgt Ion: 93 Resp: 8901

Ion Ratio Lower Upper

93 100

95 79.8 67.5 101.3

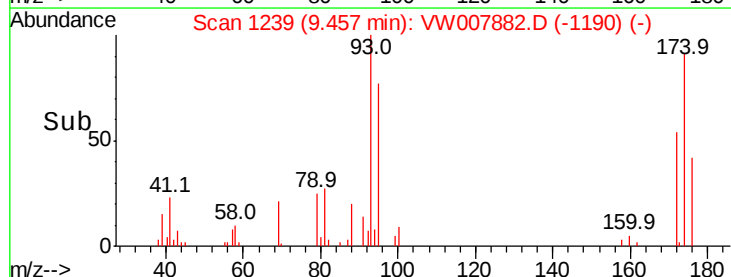
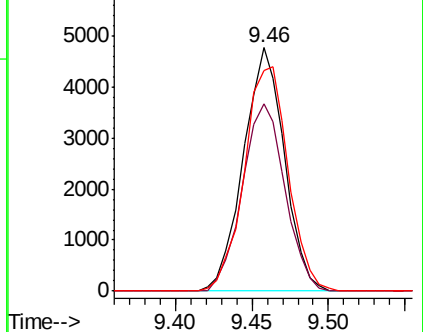
174 98.5 83.9 125.9

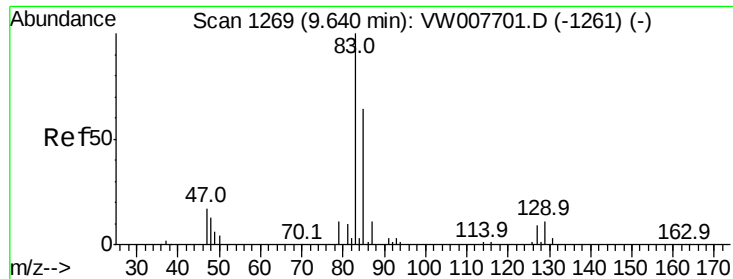


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

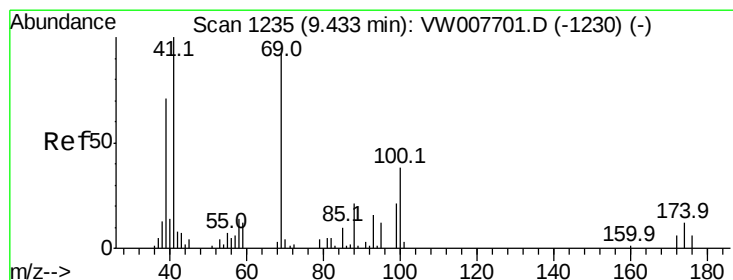
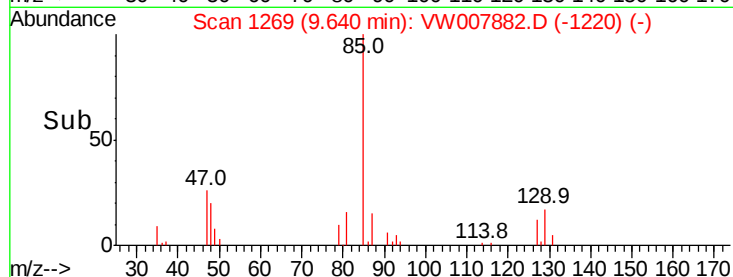
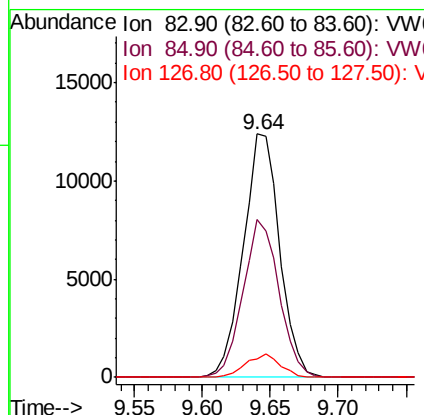
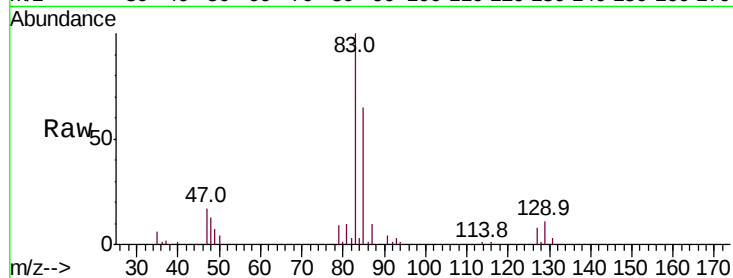




#47
Bromodichloromethane
Concen: 20.943 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

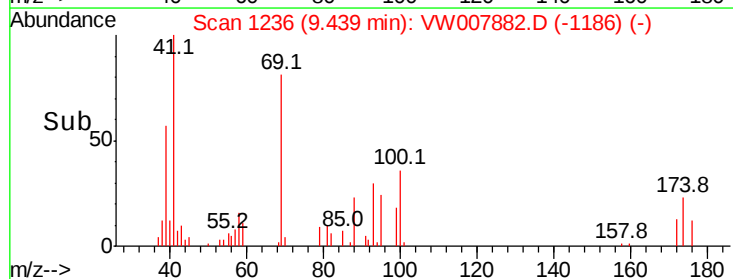
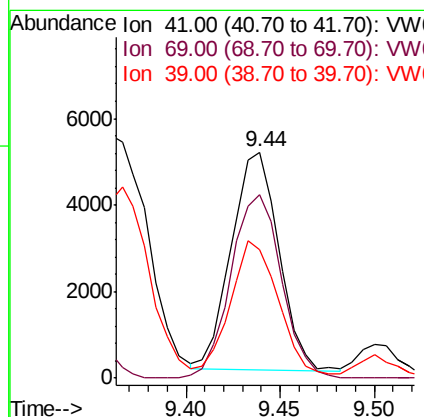
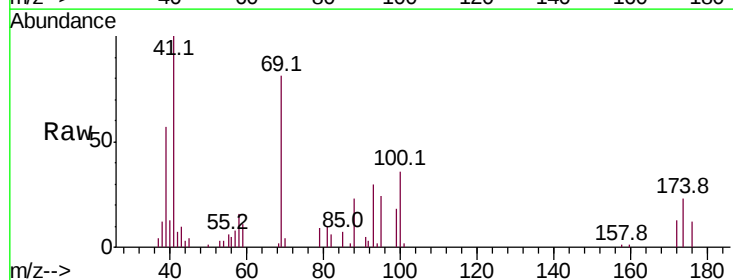
Instrument :
MSVOA_W
ClientSampleId :

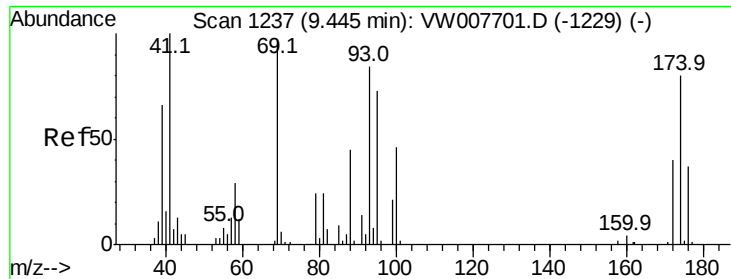
Tot Ion: 83 Resp: 23230
Ion Ratio Lower Upper
83 100
85 65.1 51.4 77.0
127 7.6 7.5 11.3



#48
Methyl methacrylate
Concen: 22.097 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Tgt Ion: 41 Resp: 8828
Ion Ratio Lower Upper
41 100
69 89.5 74.2 111.2
39 60.5 53.9 80.9





#49

1,4-Dioxane

Concen: 408.700 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :

MSVOA_W

ClientSampleId :

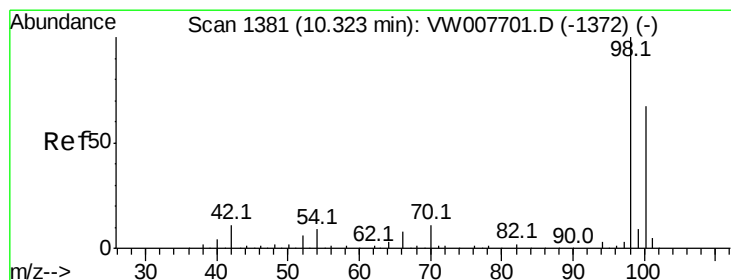
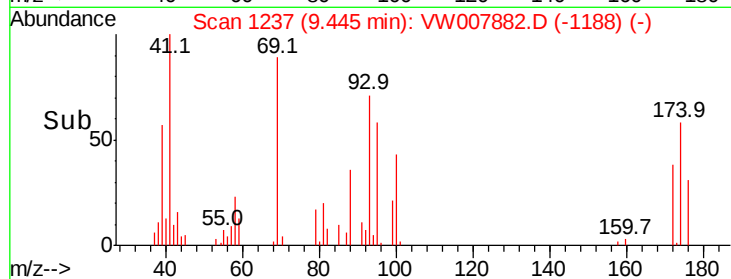
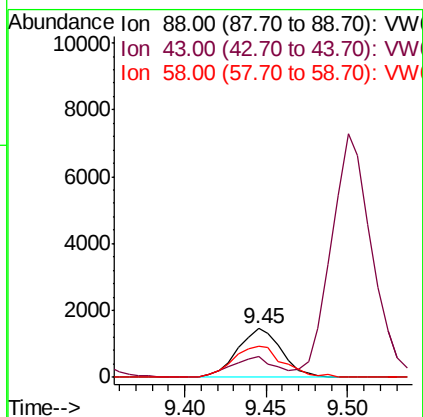
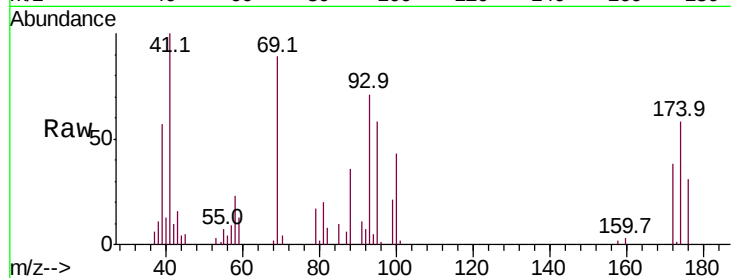
Tot Ion: 88 Resp: 2734

Ion Ratio Lower Upper

88 100

43 42.3 25.6 38.4#

58 71.5 52.3 78.5



#50

Toluene-d8

Concen: 54.156 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007882.D

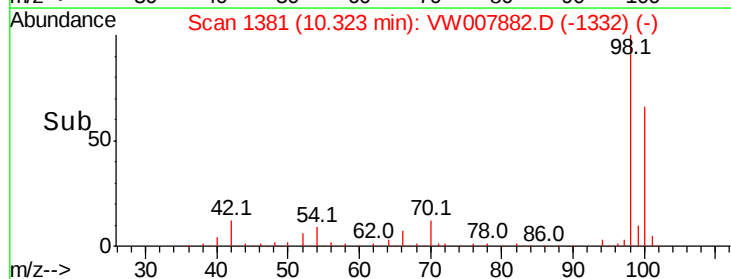
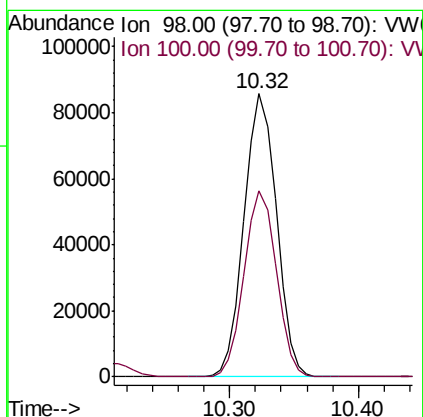
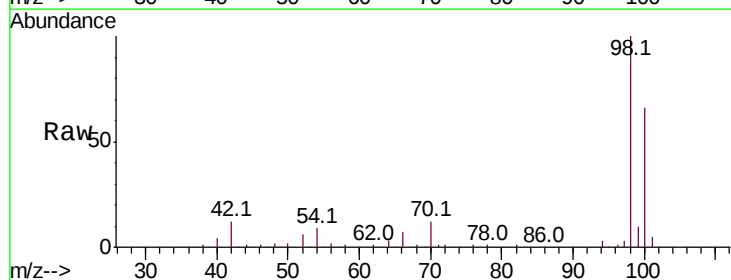
Acq: 24 Dec 2018 12:24

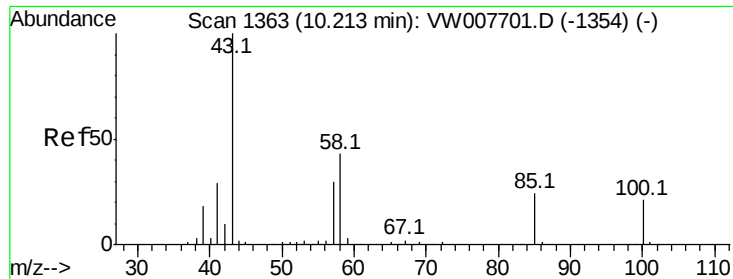
Tgt Ion: 98 Resp: 149379

Ion Ratio Lower Upper

98 100

100 65.4 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 108.732 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :

MSVOA_W

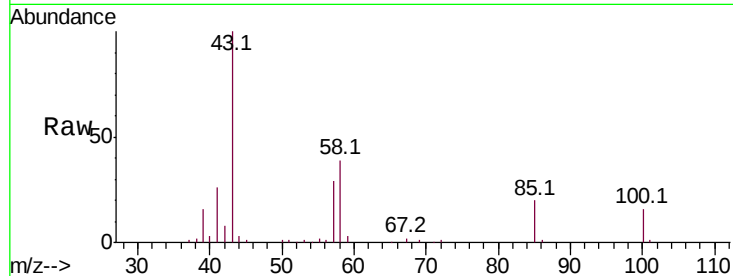
ClientSampled :

Tot Ion: 43 Resp: 41129

Ion Ratio Lower Upper

43 100

58 41.0 33.2 49.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

25000

20000

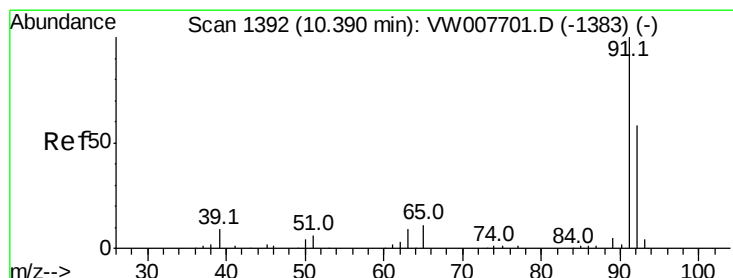
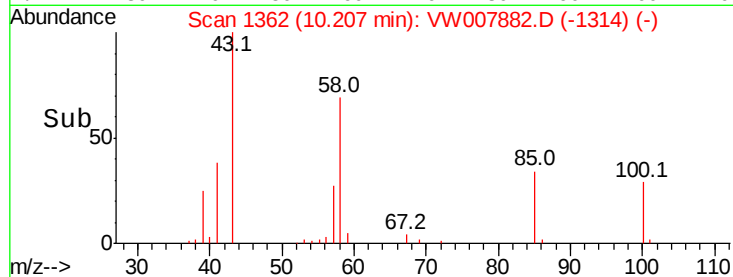
15000

10000

5000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 23.574 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007882.D

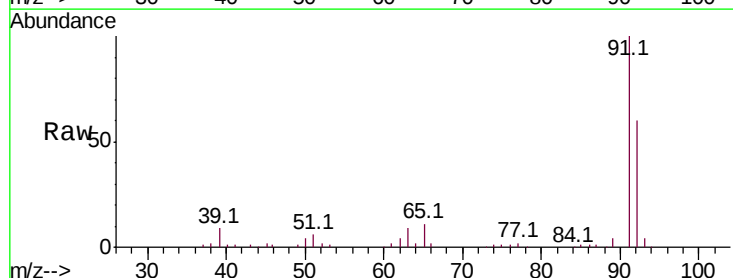
Acq: 24 Dec 2018 12:24

Tgt Ion: 92 Resp: 48857

Ion Ratio Lower Upper

92 100

91 172.0 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.39

50000

40000

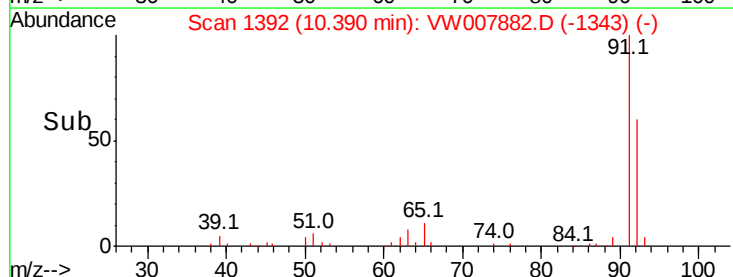
30000

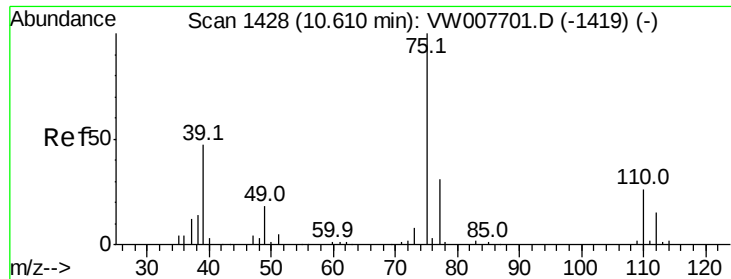
20000

10000

0

Time--> 10.30 10.35 10.40 10.45





#53

t-1,3-Dichloropropene

Concen: 21.892 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :

MSVOA_W

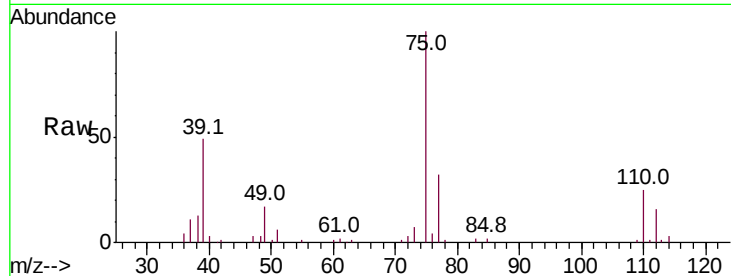
ClientSampleId :

Tot Ion: 75 Resp: 24154

Ion Ratio Lower Upper

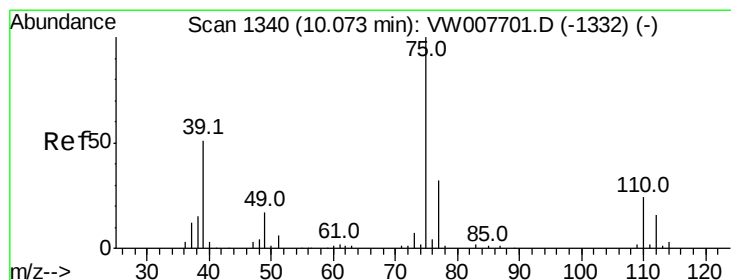
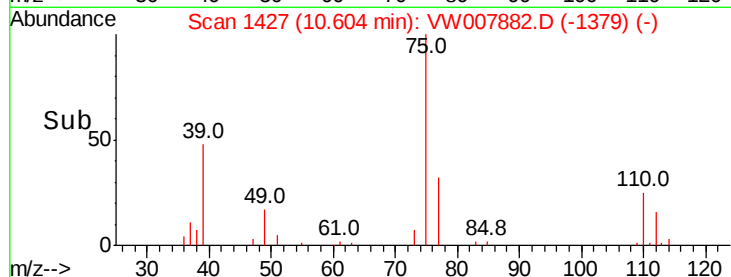
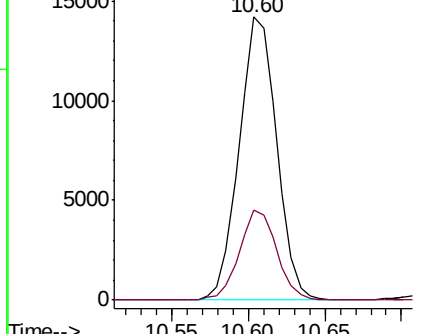
75 100

77 31.6 25.2 37.8



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: 22.636 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

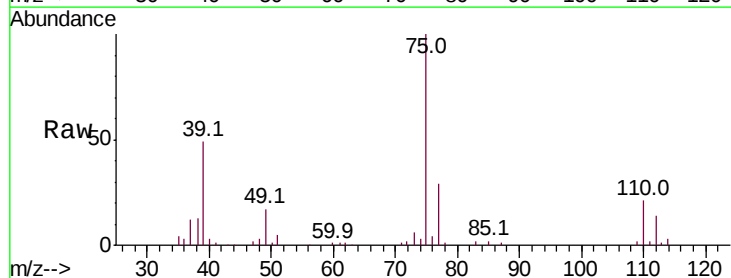
Tgt Ion: 75 Resp: 27586

Ion Ratio Lower Upper

75 100

77 28.5 25.5 38.3

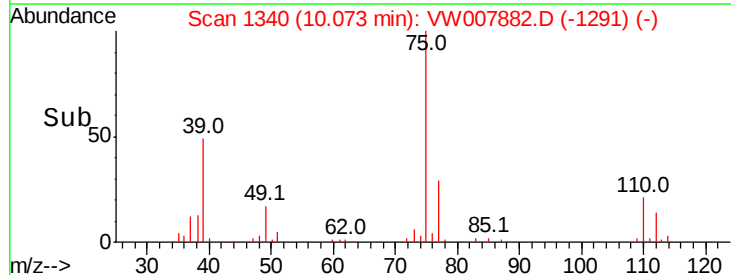
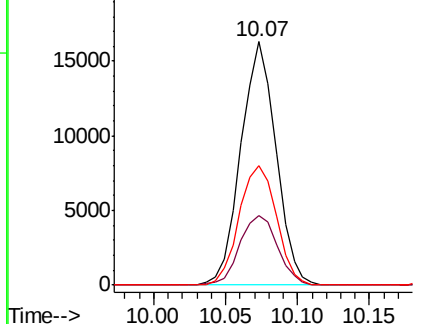
39 49.3 41.2 61.8

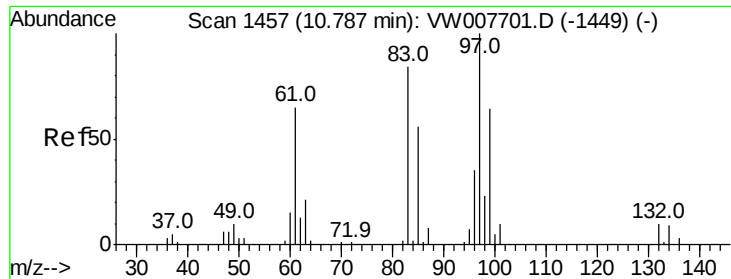


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW





#55

1,1,2-Trichloroethane

Concen: 21.474 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 12491

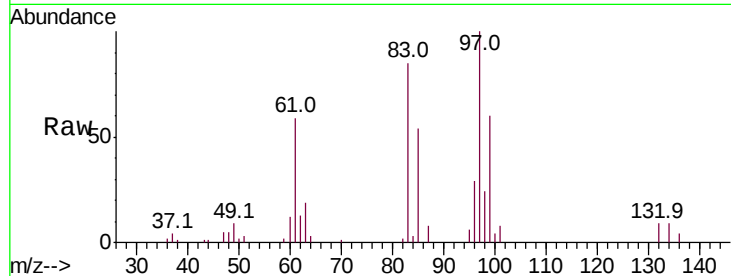
Ion Ratio Lower Upper

97 100

83 85.3 67.5 101.3

85 53.7 44.8 67.2

99 60.4 51.0 76.4



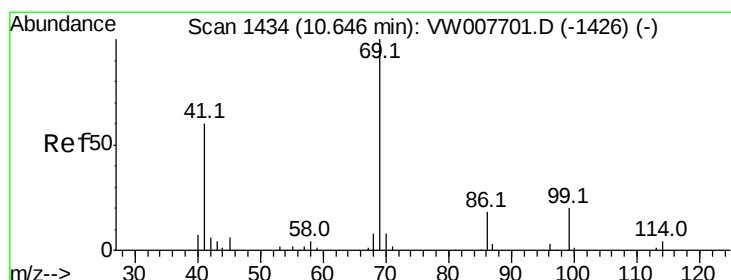
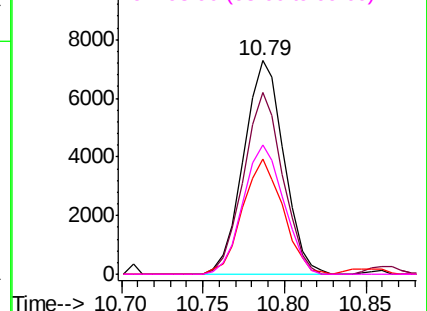
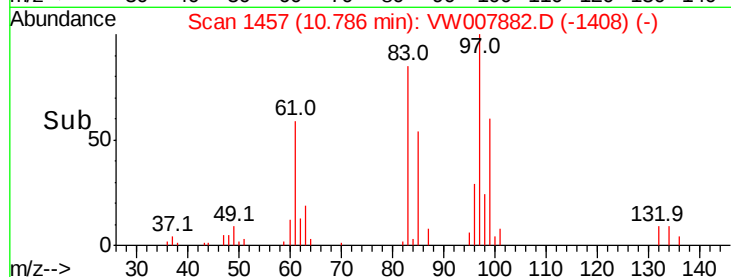
Abundance

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: 22.055 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

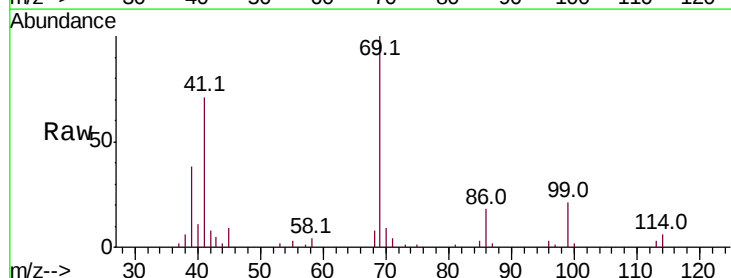
Tgt Ion: 69 Resp: 15157

Ion Ratio Lower Upper

69 100

41 66.2 48.9 73.3

39 37.3 31.3 46.9

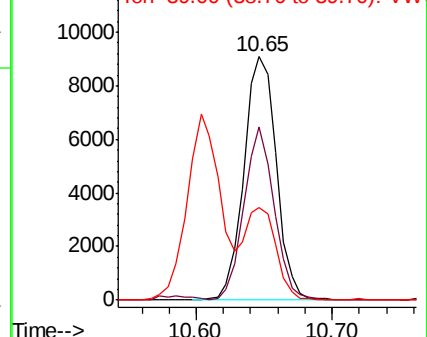
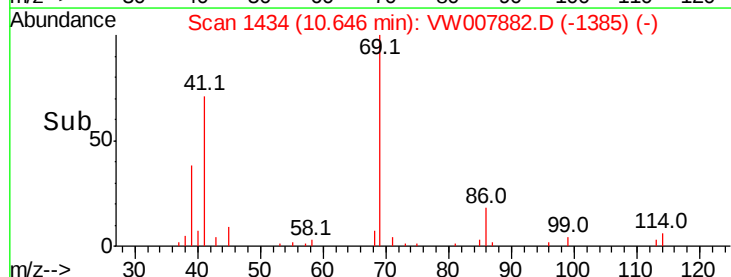


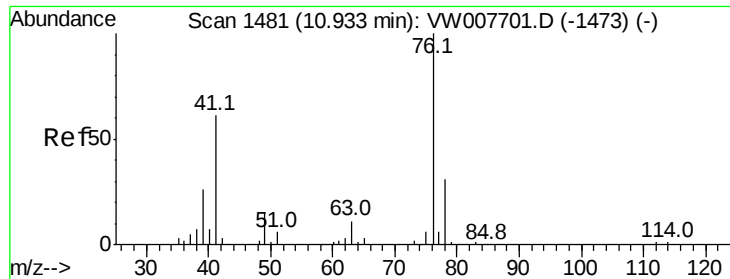
Abundance

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: 22.185 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :

MSVOA_W

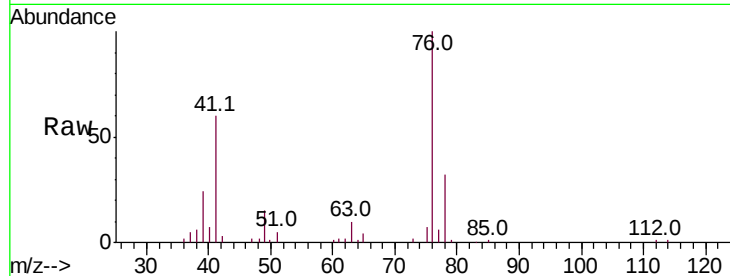
ClientSampled :

Tot Ion: 76 Resp: 21428

Ion Ratio Lower Upper

76 100

78 31.0 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

10.93

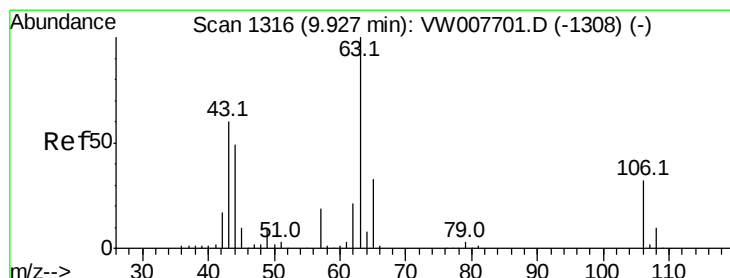
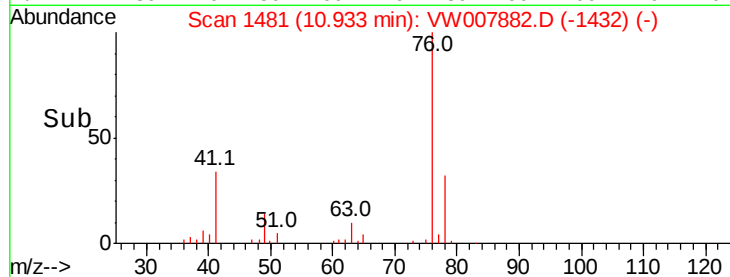
10000

5000

0

Time-->

10.85 10.90 10.95 11.00



#58

2-Chloroethyl Vinyl ether

Concen: 110.751 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW007882.D

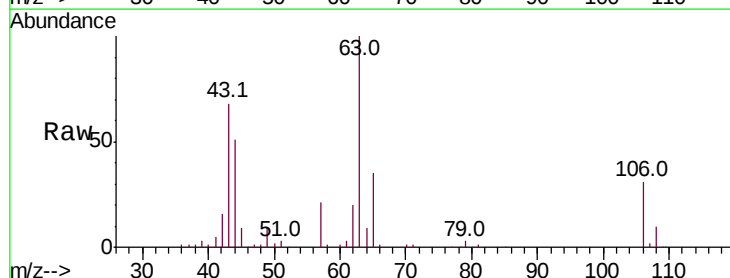
Acq: 24 Dec 2018 12:24

Tgt Ion: 63 Resp: 34751

Ion Ratio Lower Upper

63 100

106 30.8 25.9 38.9



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

9.93

20000

15000

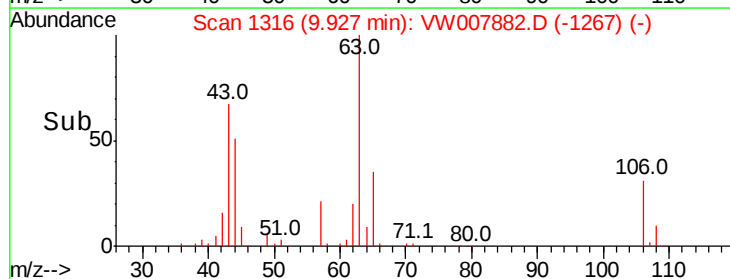
10000

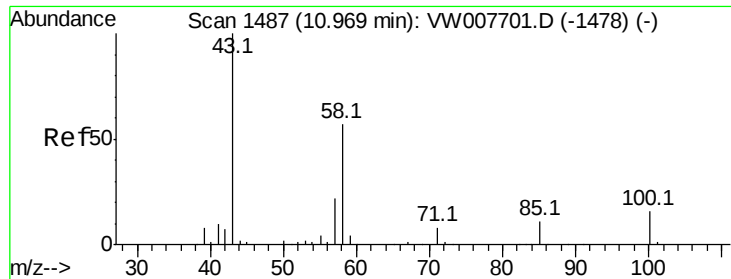
5000

0

Time-->

9.90 9.95 10.00





#59

2-Hexanone

Concen: 111.323 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :

MSVOA_W

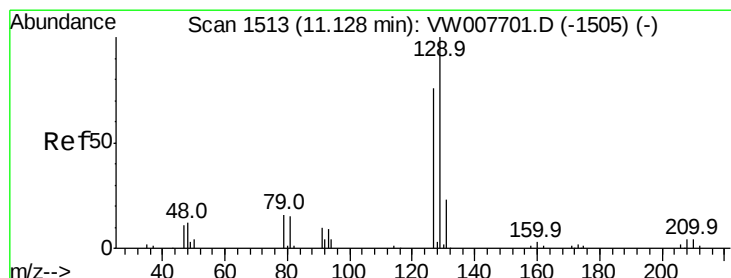
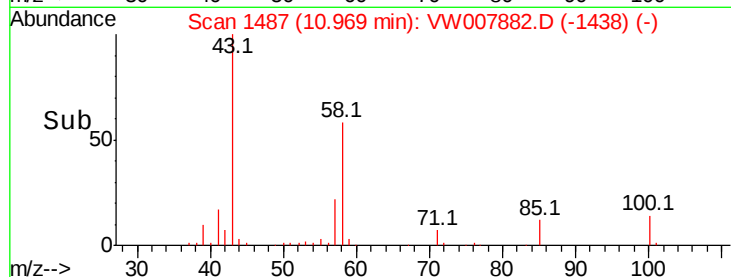
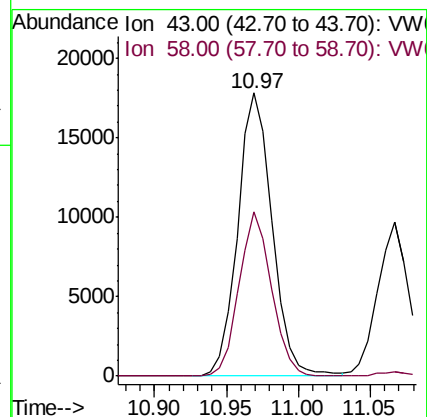
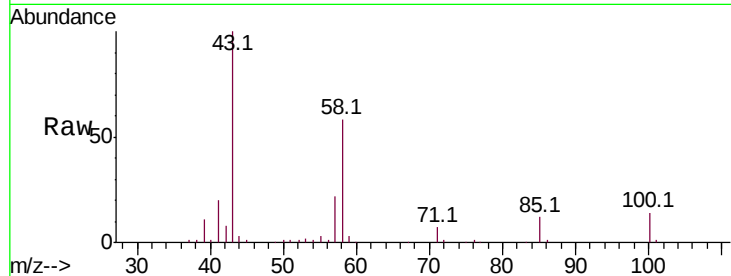
ClientSampleId :

Tot Ion: 43 Resp: 29614

Ion Ratio Lower Upper

43 100

58 54.8 27.7 83.1



#60

Dibromochloromethane

Concen: 18.878 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW007882.D

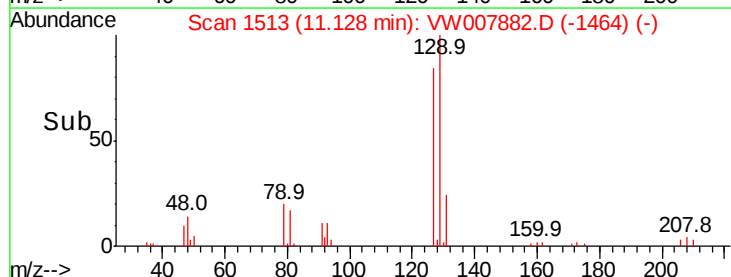
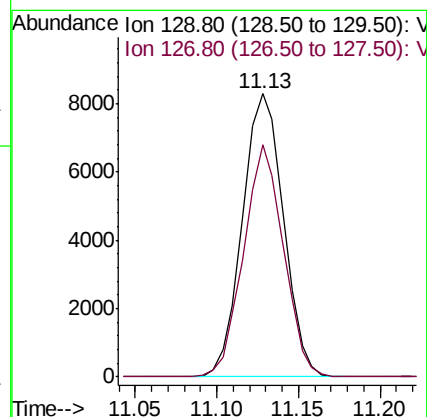
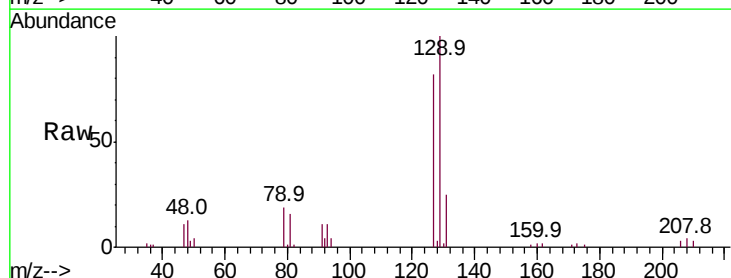
Acq: 24 Dec 2018 12:24

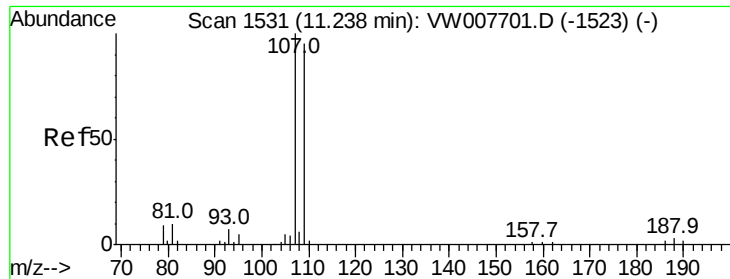
Tgt Ion:129 Resp: 14539

Ion Ratio Lower Upper

129 100

127 79.7 38.3 114.9

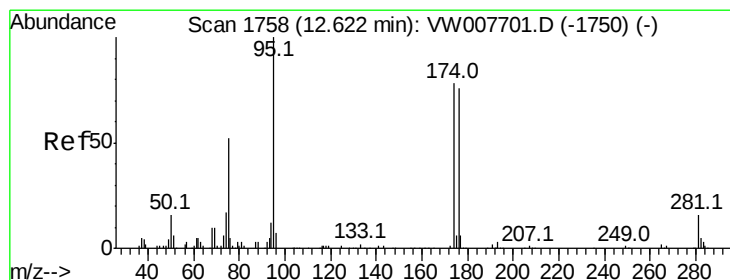
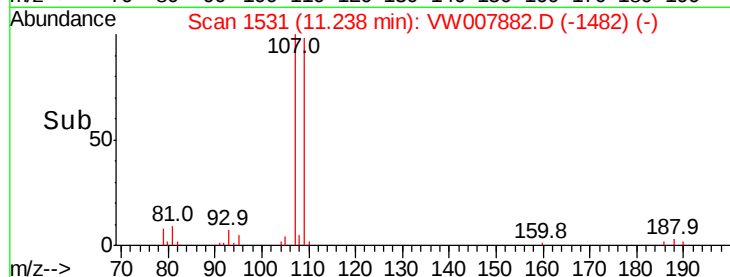
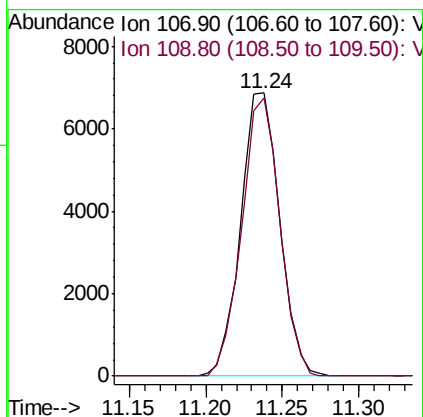
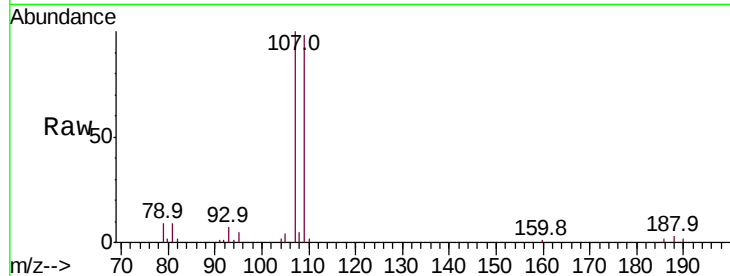




#61
 1,2-Dibromoethane
 Concen: 20.673 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007882.D
 Acq: 24 Dec 2018 12:24

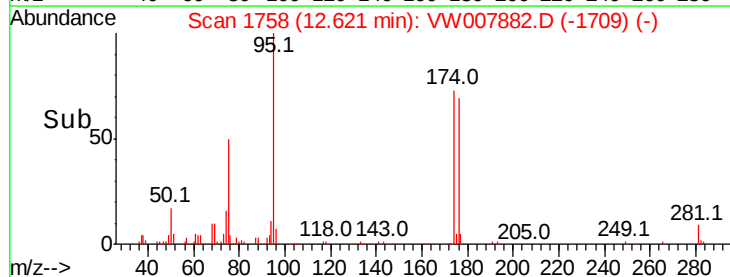
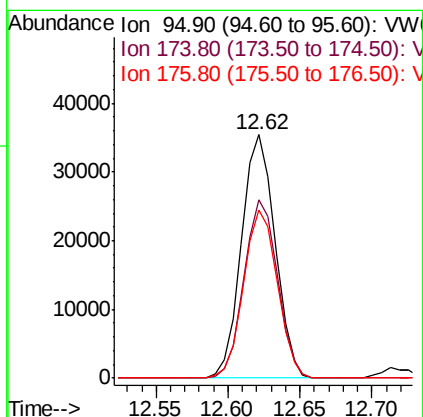
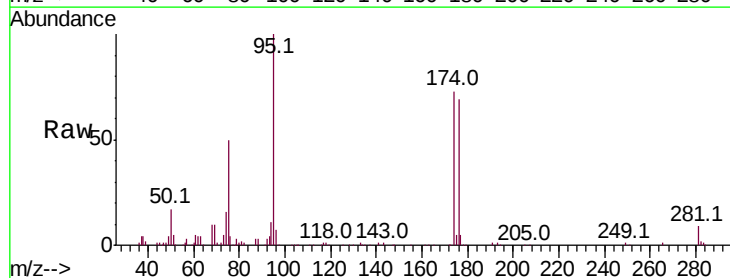
Instrument :
 MSVOA_W
 ClientSampleId :

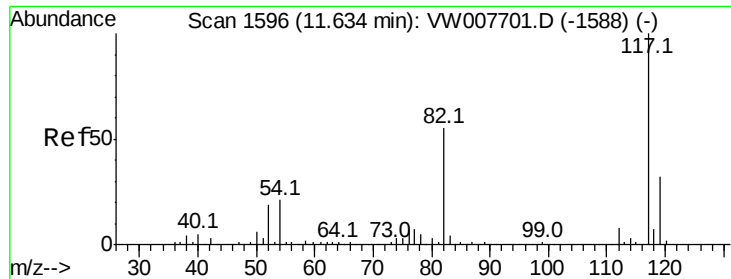
Tot Ion:107 Resp: 12177
 Ion Ratio Lower Upper
 107 100
 109 96.1 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 53.733 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007882.D
 Acq: 24 Dec 2018 12:24

Tgt Ion: 95 Resp: 57257
 Ion Ratio Lower Upper
 95 100
 174 72.8 0.0 152.2
 176 69.4 0.0 146.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :

MSVOA_W

ClientSampled :

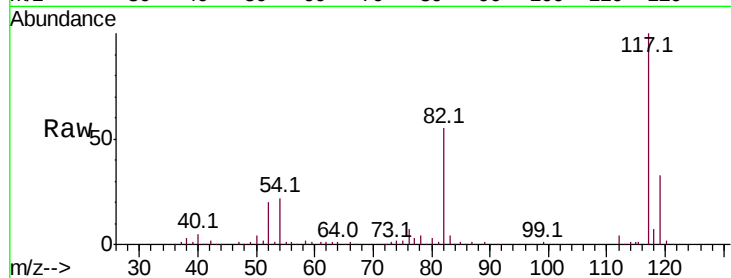
Tot Ion:117 Resp: 104579

Ion Ratio Lower Upper

117 100

82 55.0 44.3 66.5

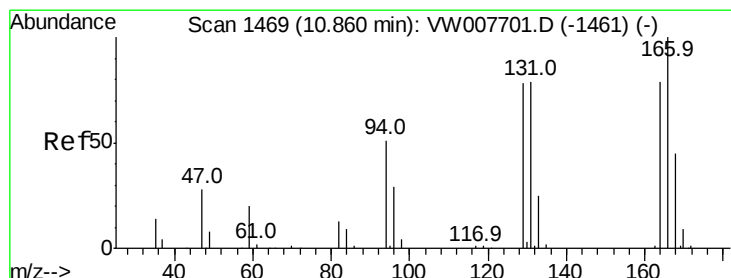
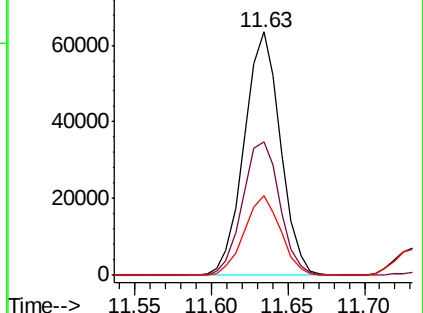
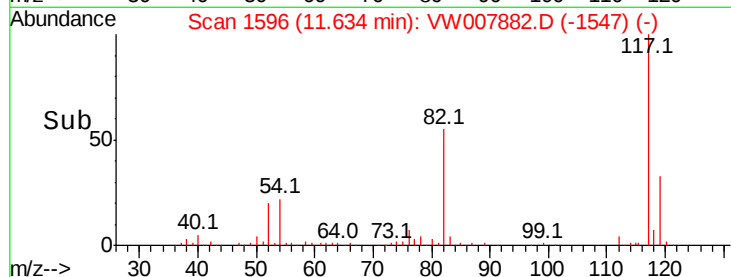
119 32.5 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 23.219 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Tgt Ion:164 Resp: 17195

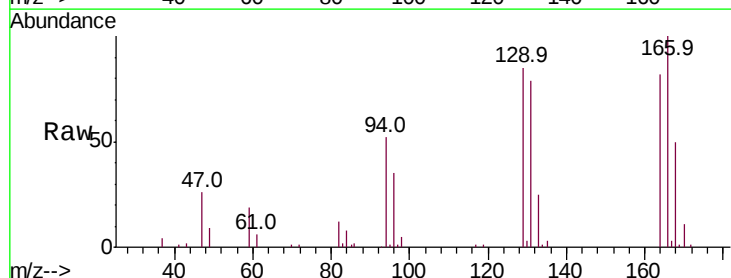
Ion Ratio Lower Upper

164 100

166 122.0 101.0 151.6

129 103.4 78.7 118.1

131 95.9 79.4 119.0

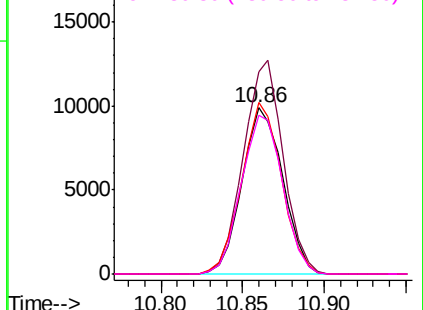
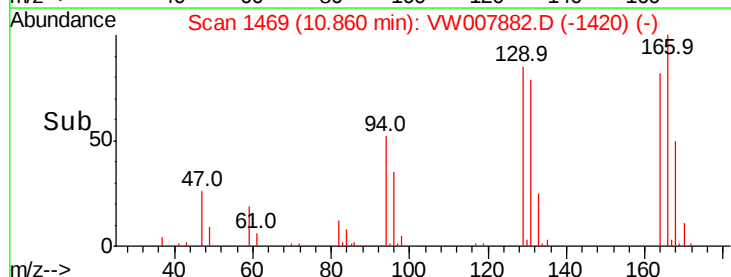


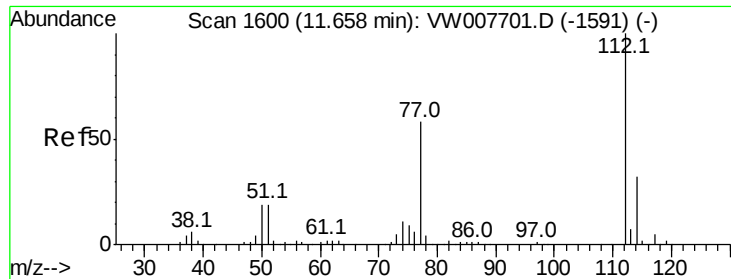
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

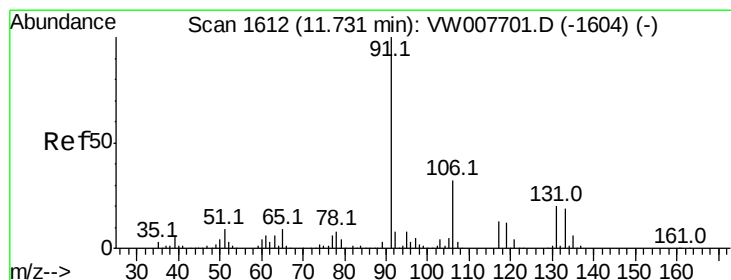
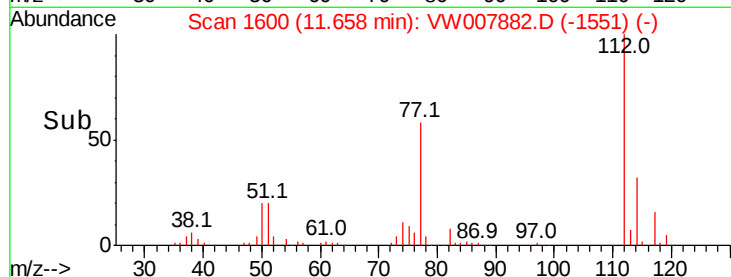
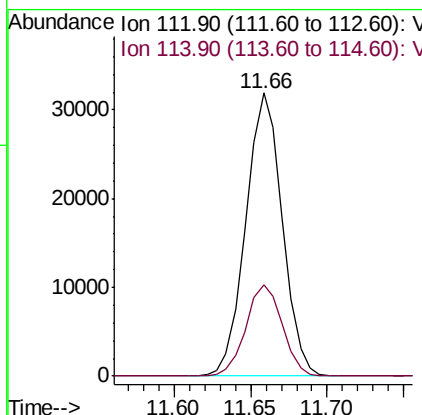
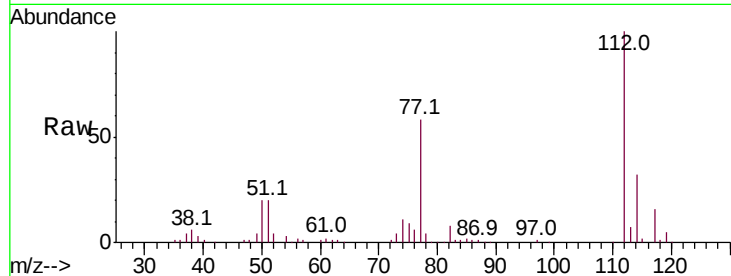




#65
Chlorobenzene
Concen: 23.338 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

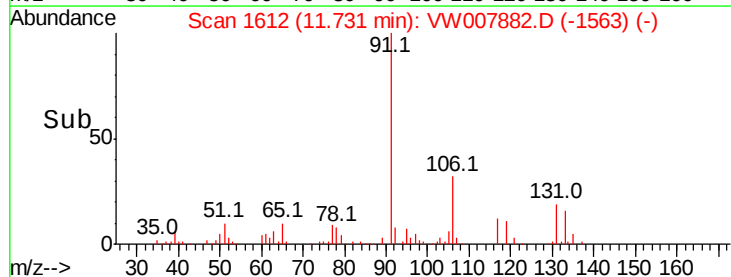
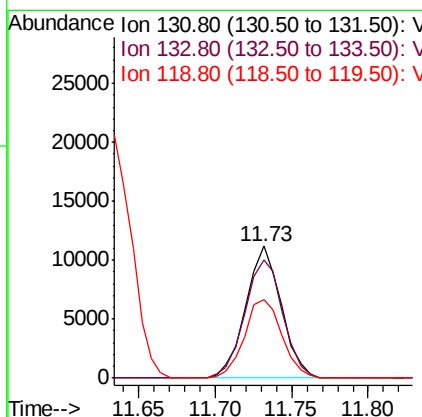
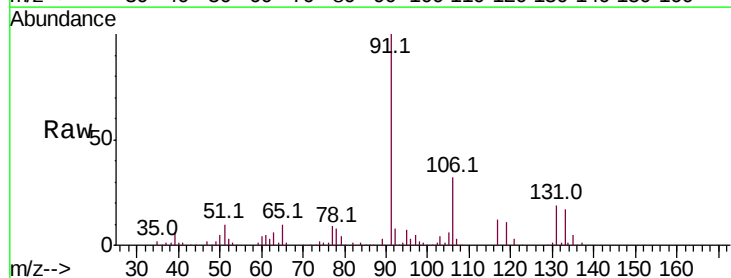
Instrument :
MSVOA_W
ClientSampleId :

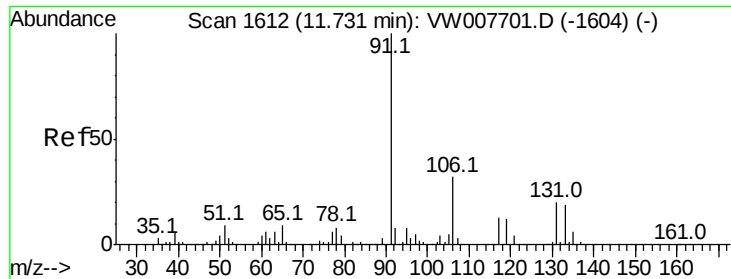
Tot Ion:112 Resp: 52827
Ion Ratio Lower Upper
112 100
114 32.1 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 22.359 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Tgt Ion:131 Resp: 18084
Ion Ratio Lower Upper
131 100
133 95.1 47.5 142.5
119 62.9 30.2 90.6

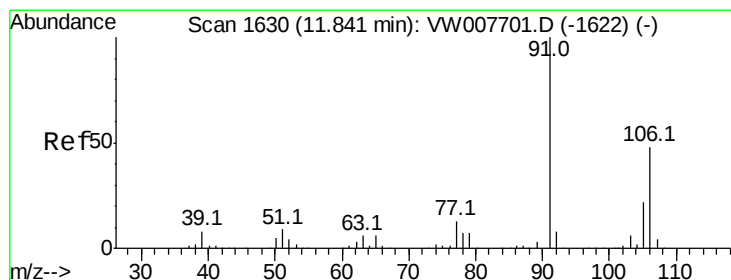
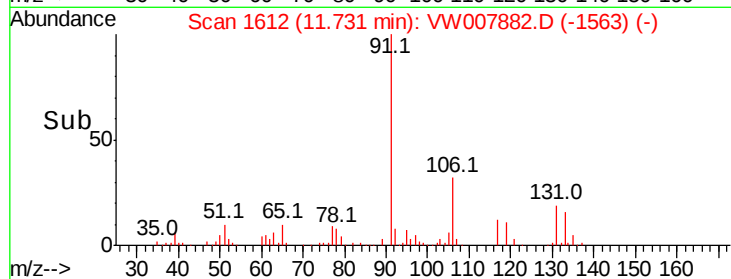
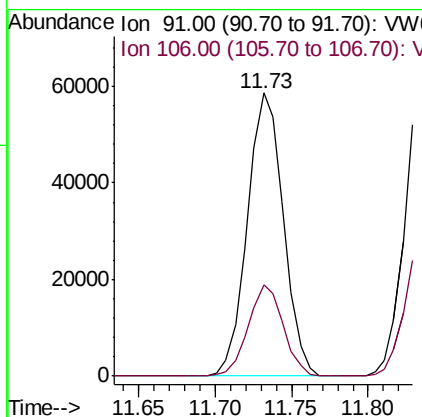
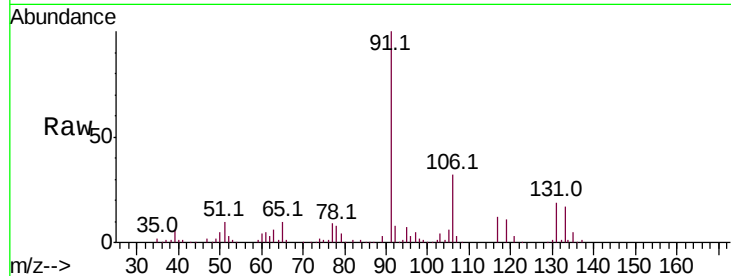




#67
Ethyl Benzene
Concen: 24.702 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

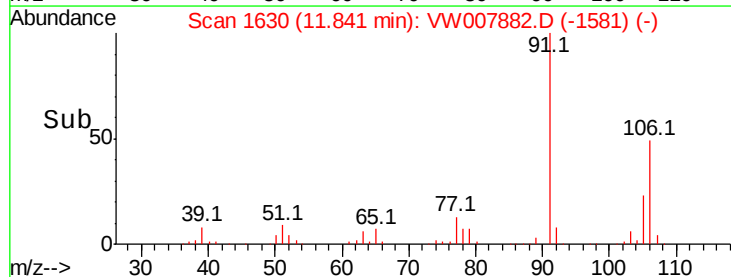
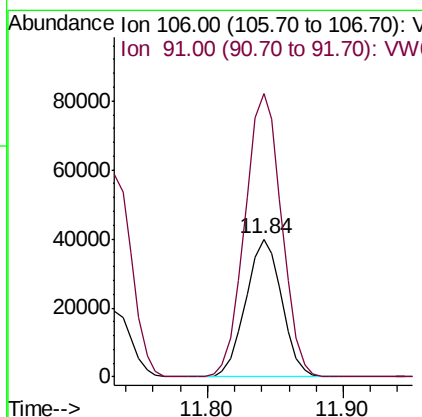
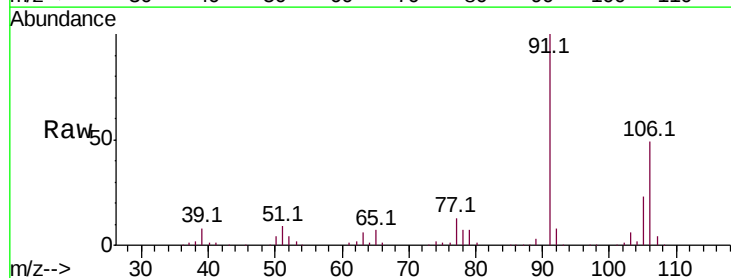
Instrument :
MSVOA_W
ClientSampleId :

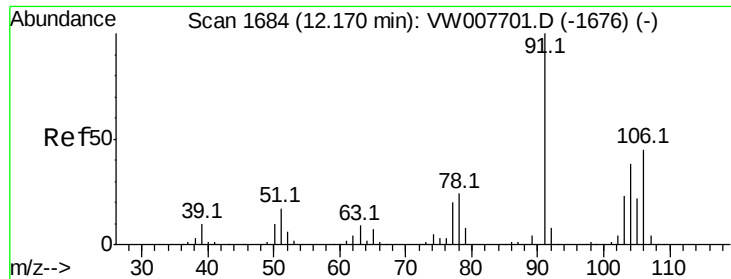
Tot Ion: 91 Resp: 95947
Ion Ratio Lower Upper
91 100
106 32.4 25.8 38.8



#68
m/p-Xylenes
Concen: 48.960 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Tgt Ion:106 Resp: 73770
Ion Ratio Lower Upper
106 100
91 209.9 165.2 247.8

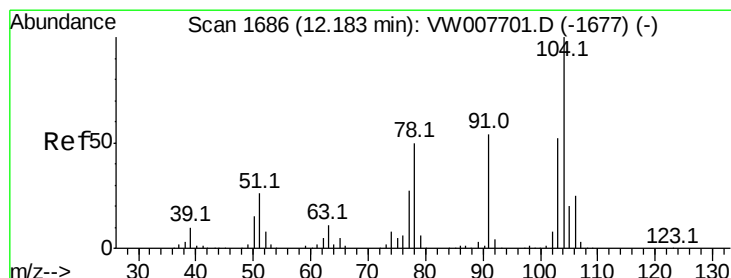
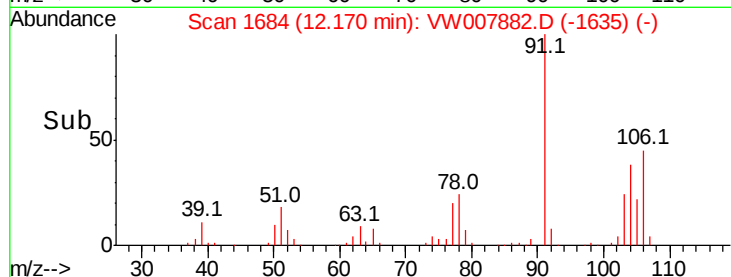
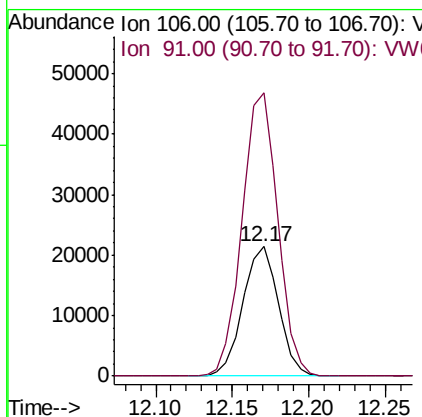
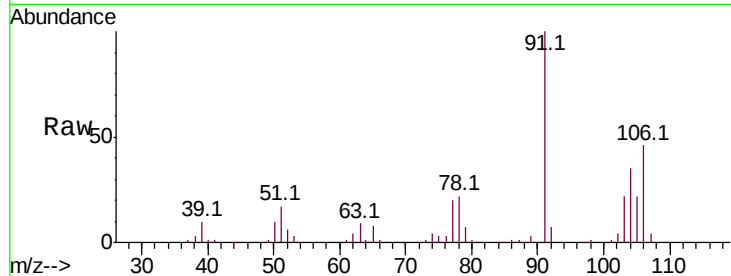




#69
o-Xylene
Concen: 24.578 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

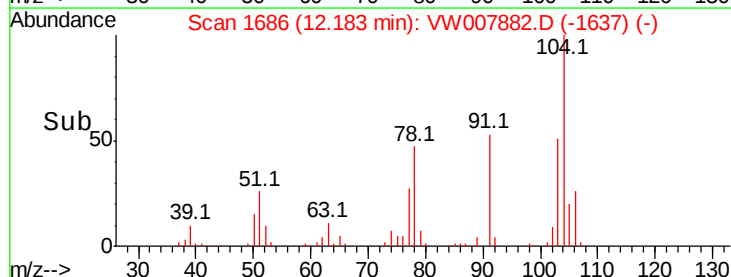
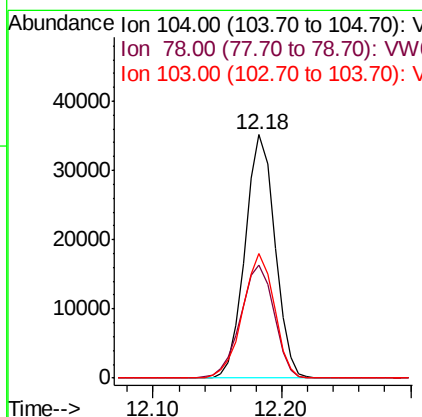
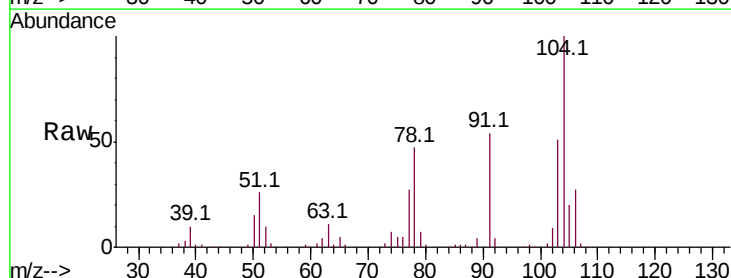
Instrument :
MSVOA_W
ClientSampled :

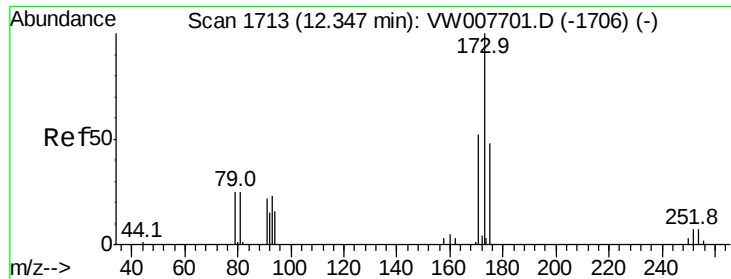
Tot Ion:106 Resp: 34714
Ion Ratio Lower Upper
106 100
91 218.9 110.5 331.4



#70
Styrene
Concen: 24.258 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Tgt Ion:104 Resp: 56318
Ion Ratio Lower Upper
104 100
78 52.2 43.4 65.0
103 54.1 44.5 66.7





#71

Bromoform

Concen: 17.994 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :

MSVOA_W

ClientSampled :

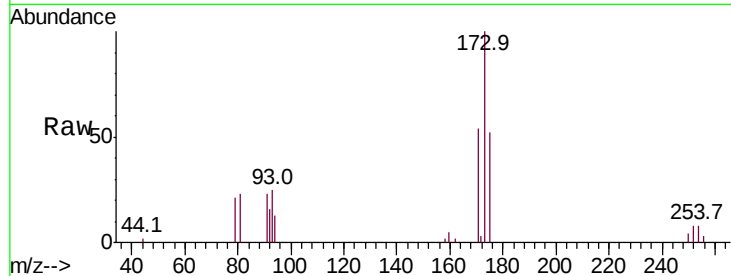
Tot Ion:173 Resp: 7555

Ion Ratio Lower Upper

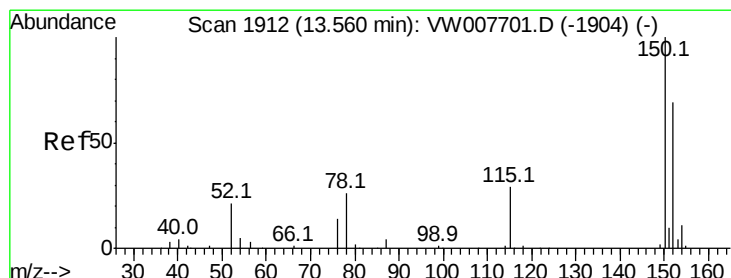
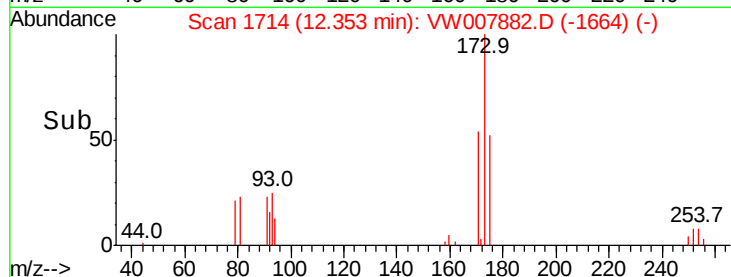
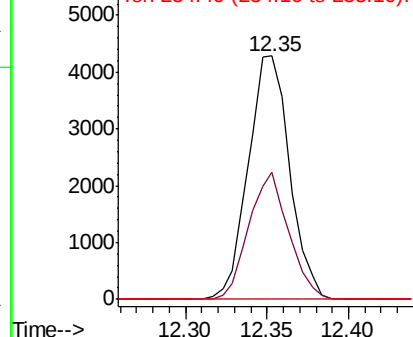
173 100

175 50.2 23.9 71.7

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

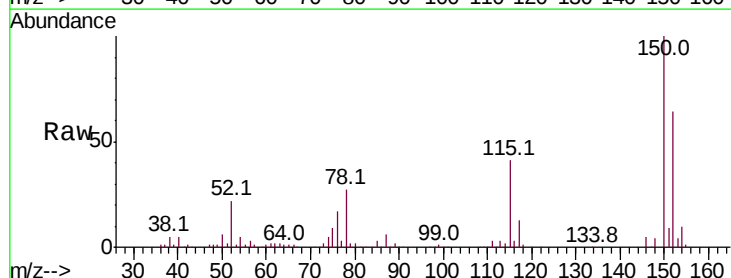
Tgt Ion:152 Resp: 52124

Ion Ratio Lower Upper

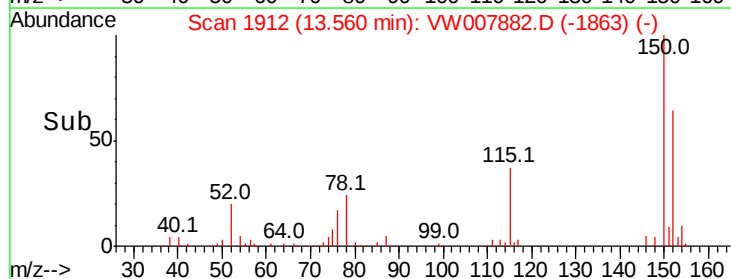
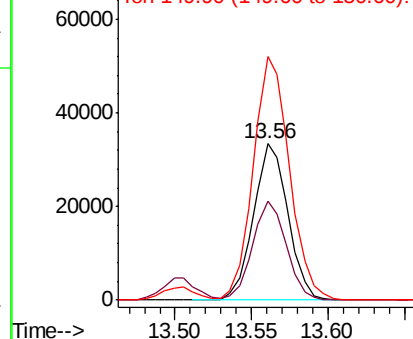
152 100

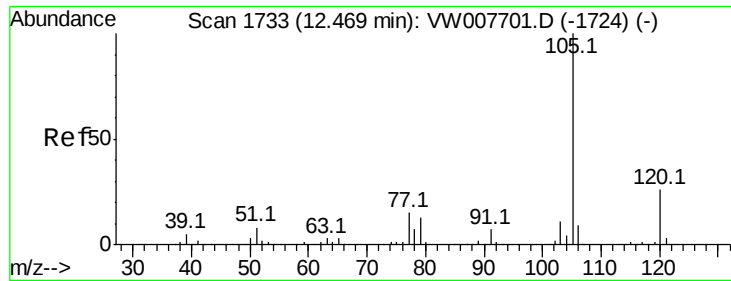
115 62.1 31.8 95.4

150 164.3 0.0 350.8



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: 25.302 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :

MSVOA_W

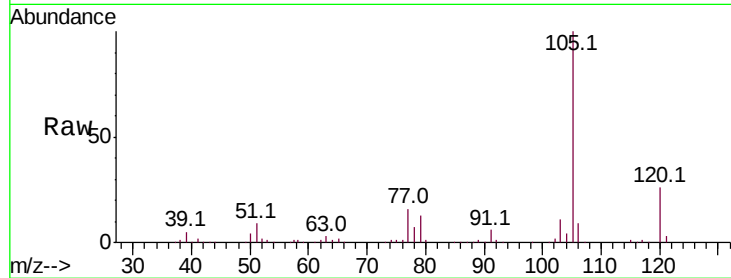
ClientSampleId :

Tot Ion:105 Resp: 99691

Ion Ratio Lower Upper

105 100

120 25.9 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

60000

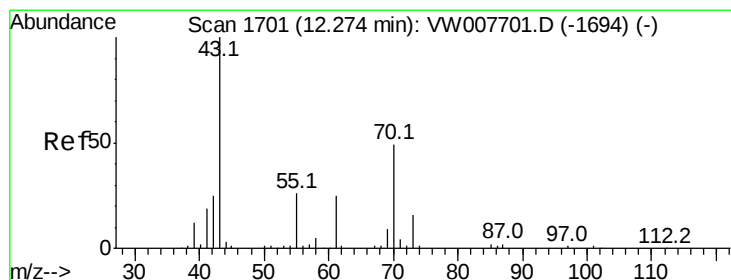
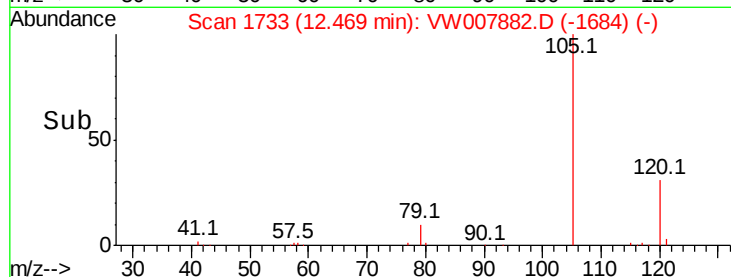
40000

20000

0

12.40 12.45 12.50

Time-->



#74

N-ethyl acetate

Concen: 24.305 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Tgt Ion: 43 Resp: 16587

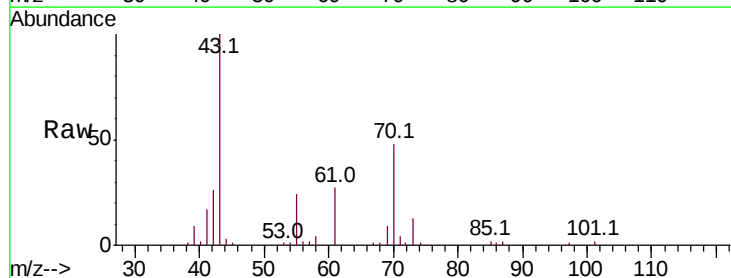
Ion Ratio Lower Upper

43 100

70 44.8 37.6 56.4

55 24.2 21.7 32.5

61 25.3 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

15000

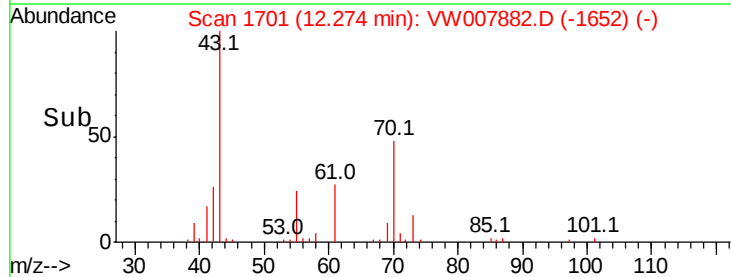
10000

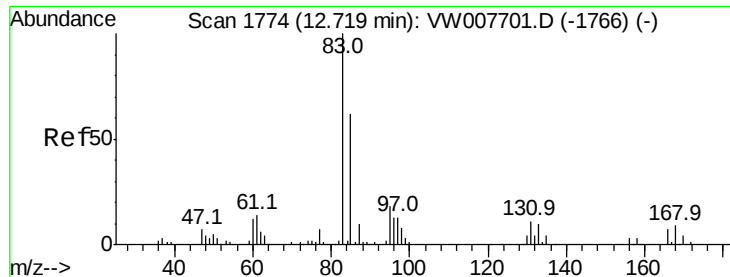
5000

0

12.20 12.25 12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.808 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :

MSVOA_W

ClientSampled :

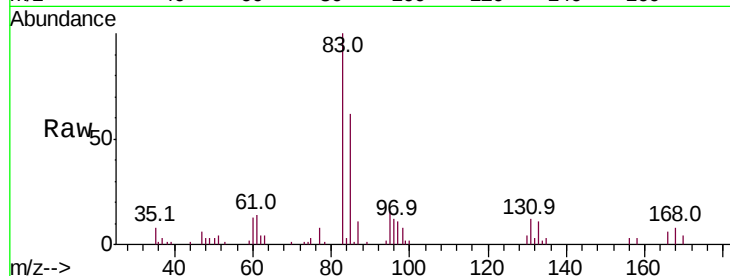
Tot Ion: 83 Resp: 12883

Ion Ratio Lower Upper

83 100

131 12.7 6.3 18.8

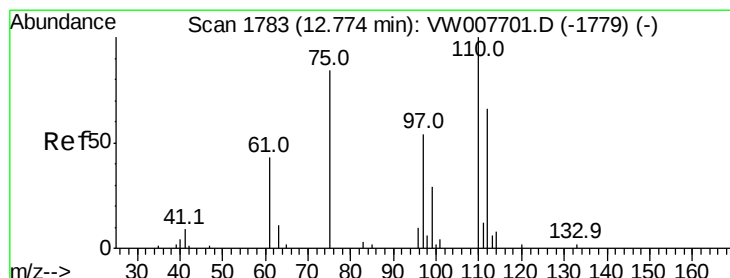
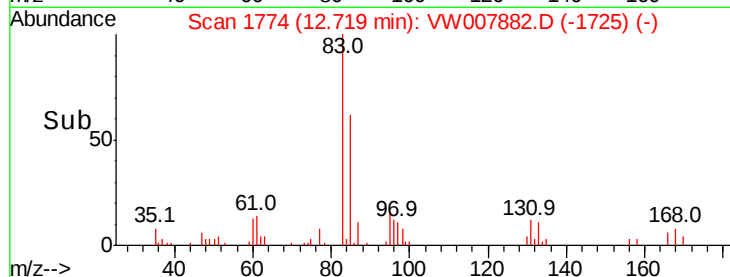
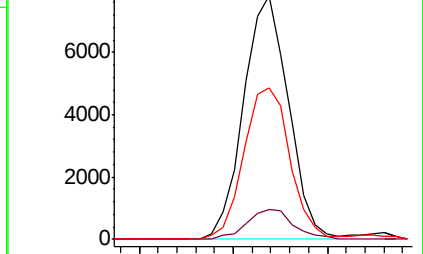
85 64.2 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 46.760 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW007882.D

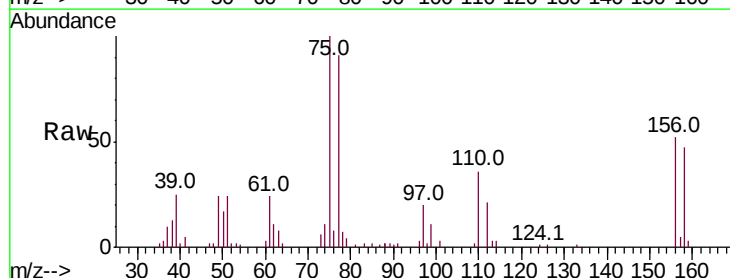
Acq: 24 Dec 2018 12:24

Tgt Ion: 75 Resp: 18838

Ion Ratio Lower Upper

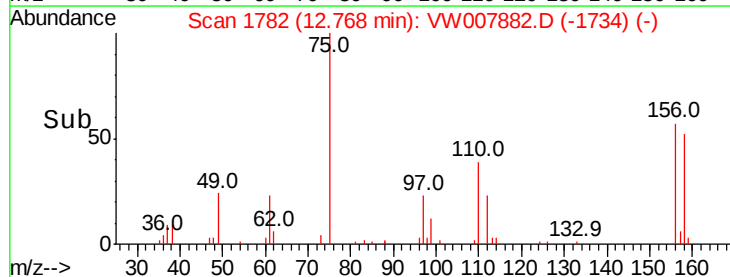
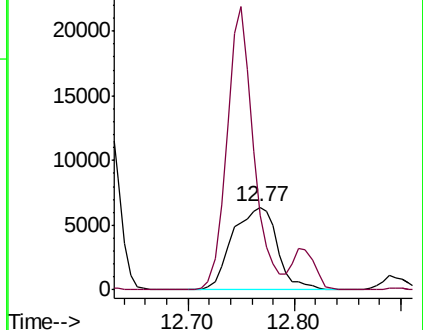
75 100

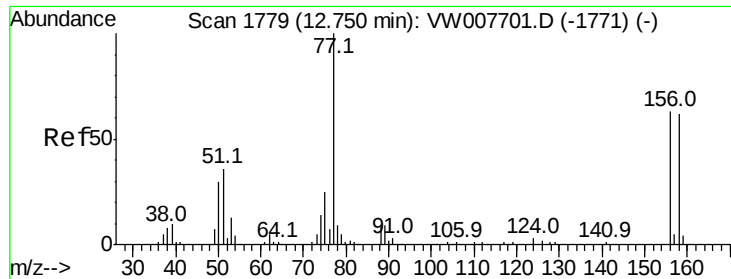
77 203.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 22.834 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :

MSVOA_W

ClientSampleId :

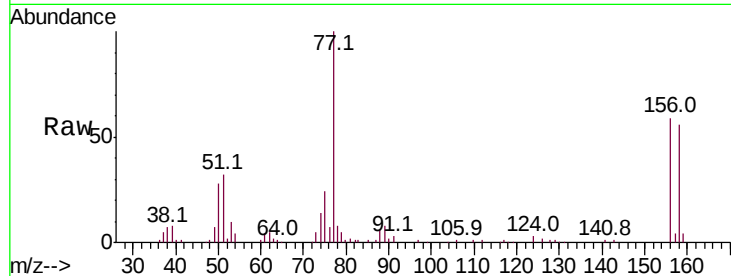
Tot Ion:156 Resp: 20618

Ion Ratio Lower Upper

156 100

77 185.5 87.4 262.1

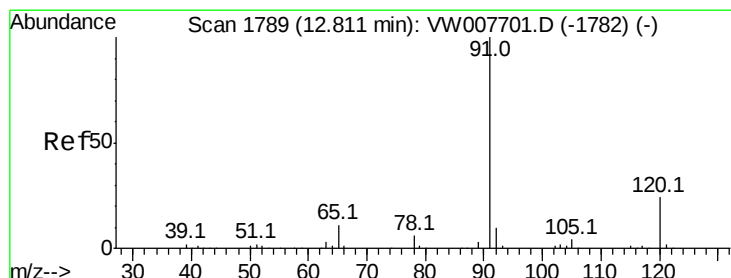
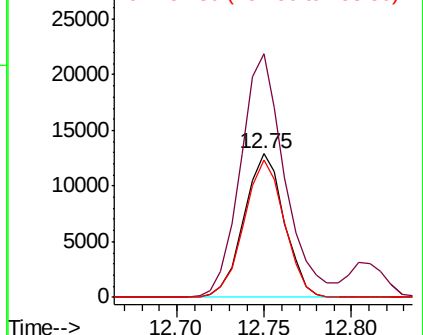
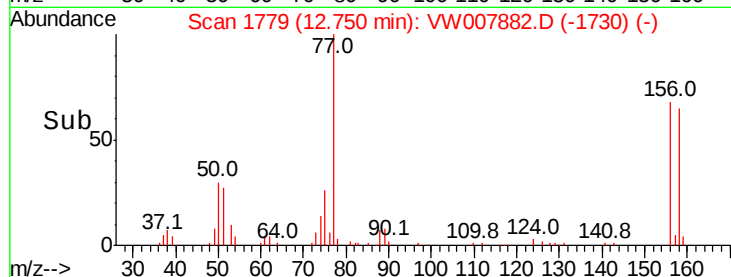
158 95.6 48.4 145.0



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: 25.254 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW007882.D

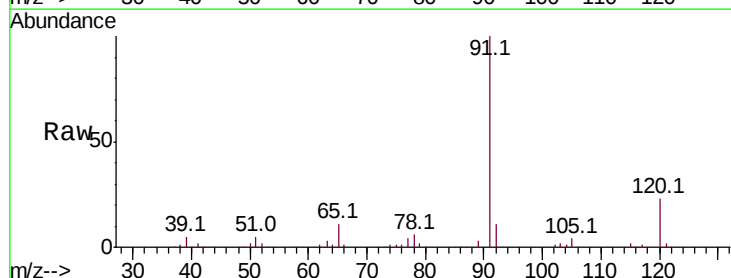
Acq: 24 Dec 2018 12:24

Tgt Ion: 91 Resp: 115826

Ion Ratio Lower Upper

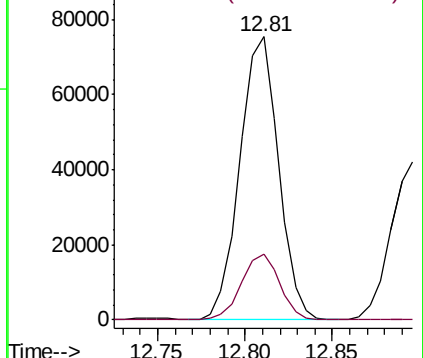
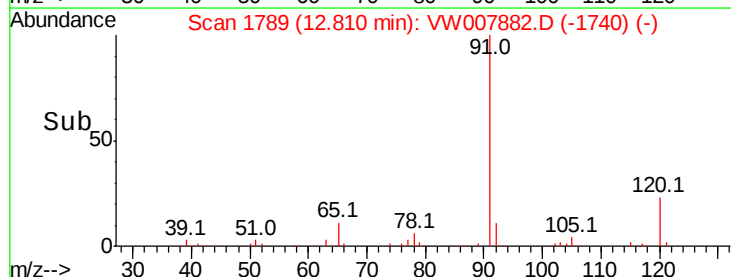
91 100

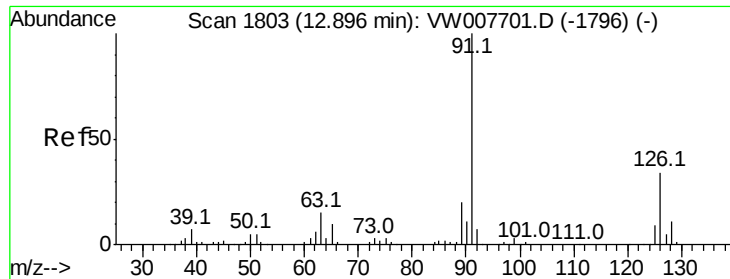
120 23.0 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

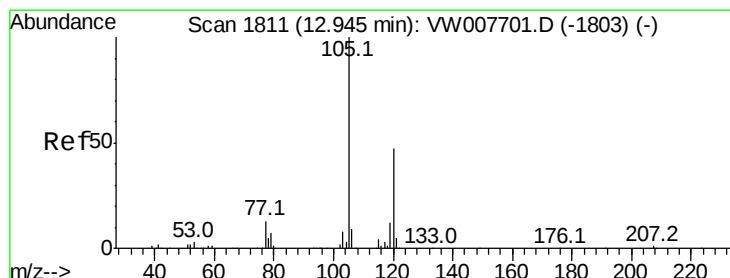
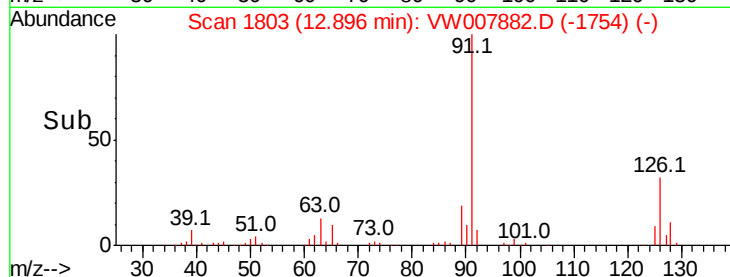
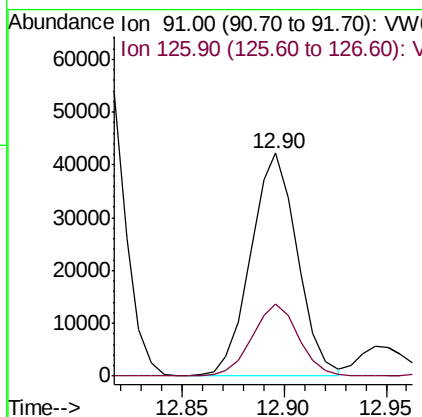
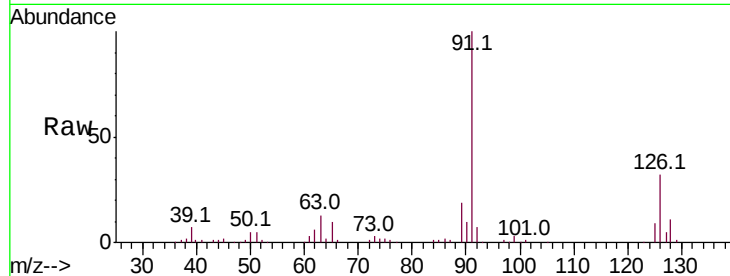




#79
 2-Chlorotoluene
 Concen: 25.027 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW007882.D
 Acq: 24 Dec 2018 12:24

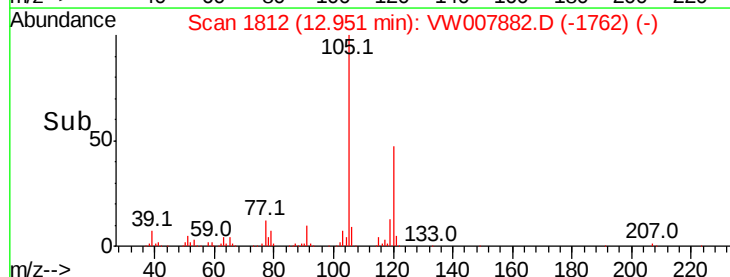
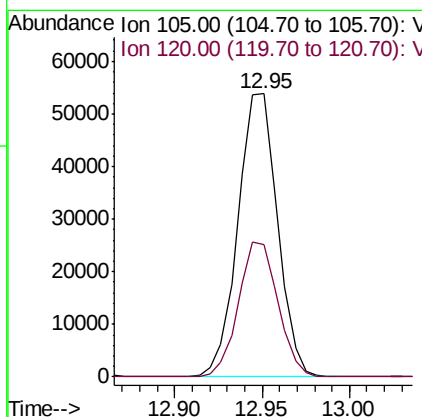
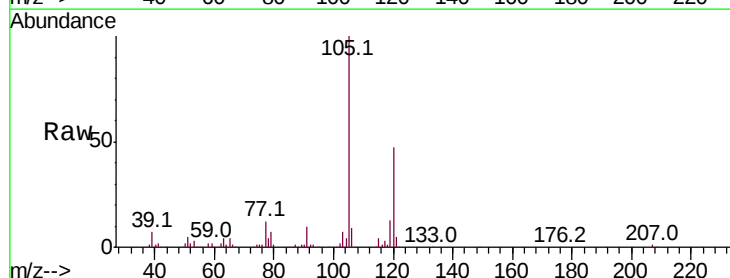
Instrument :
 MSVOA_W
 ClientSampled :

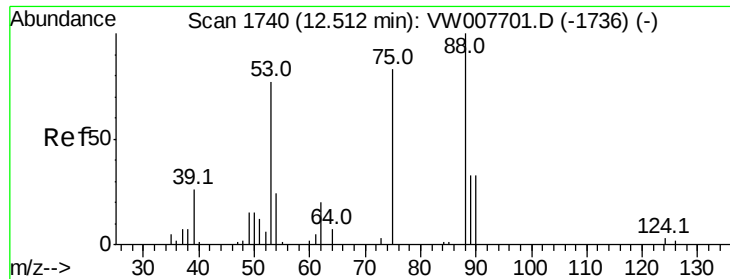
Tot Ion: 91 Resp: 66867
 Ion Ratio Lower Upper
 91 100
 126 32.2 17.0 51.0



#80
 1,3,5-Trimethylbenzene
 Concen: 24.936 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.01 min
 Lab File: VW007882.D
 Acq: 24 Dec 2018 12:24

Tgt Ion:105 Resp: 84747
 Ion Ratio Lower Upper
 105 100
 120 47.6 23.6 70.8





#81

trans-1,4-Dichloro-2-butene

Concen: 21.513 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :

MSVOA_W

ClientSampleId :

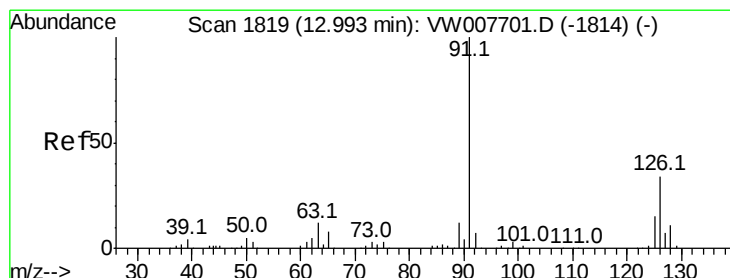
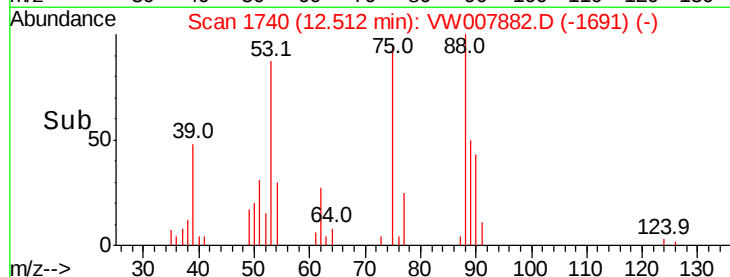
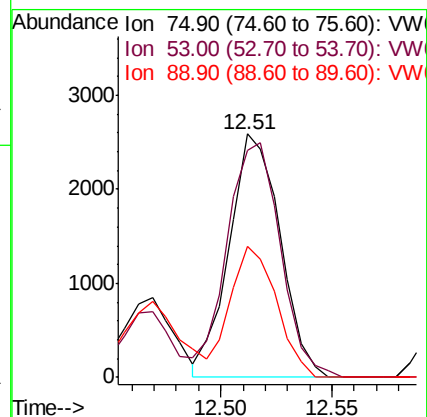
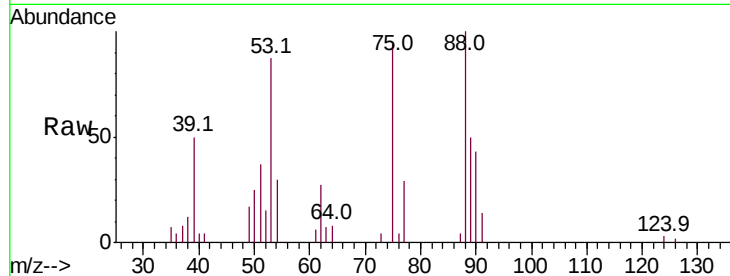
Tot Ion: 75 Resp: 4129

Ion Ratio Lower Upper

75 100

53 100.5 80.2 120.2

89 48.8 39.2 58.8



#82

4-Chlorotoluene

Concen: 24.439 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW007882.D

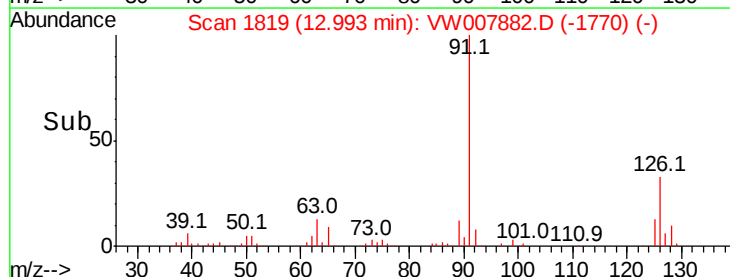
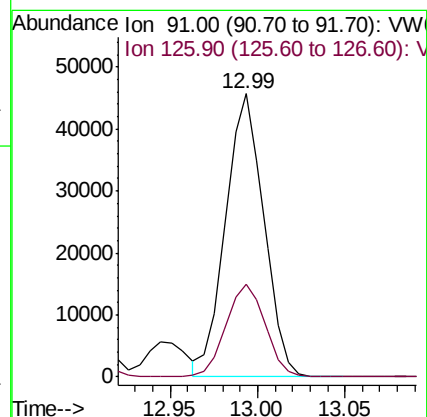
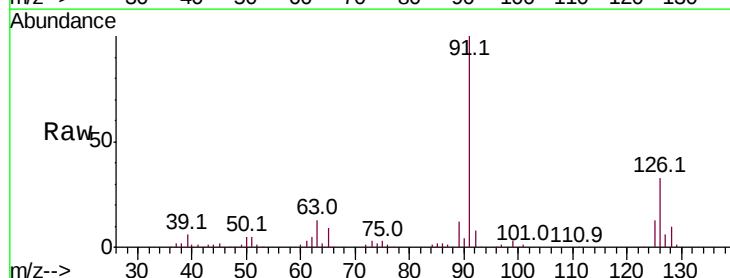
Acq: 24 Dec 2018 12:24

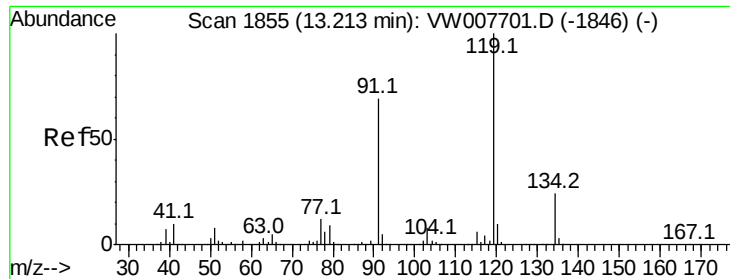
Tgt Ion: 91 Resp: 69525

Ion Ratio Lower Upper

91 100

126 33.5 16.5 49.5

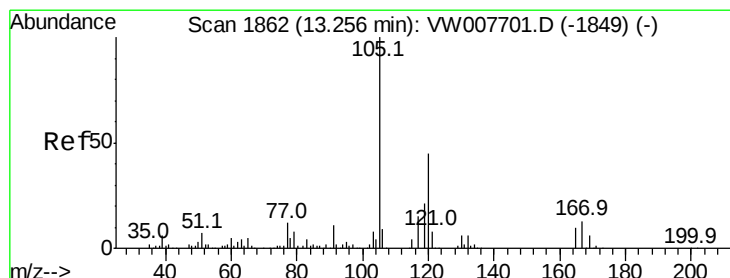
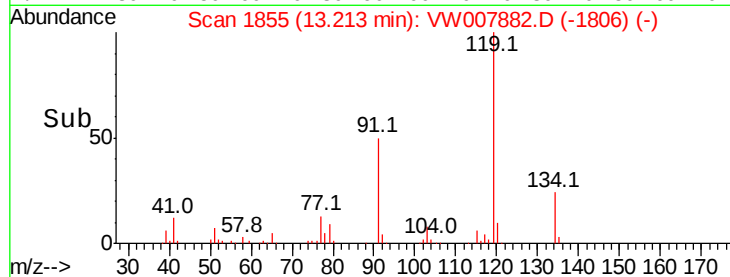
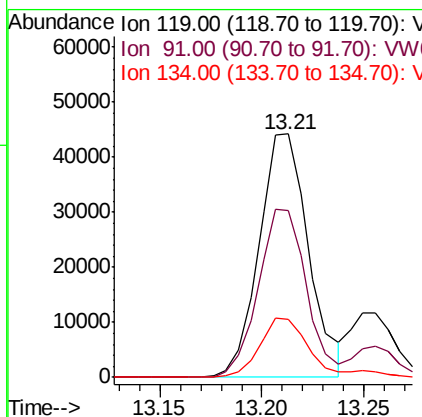
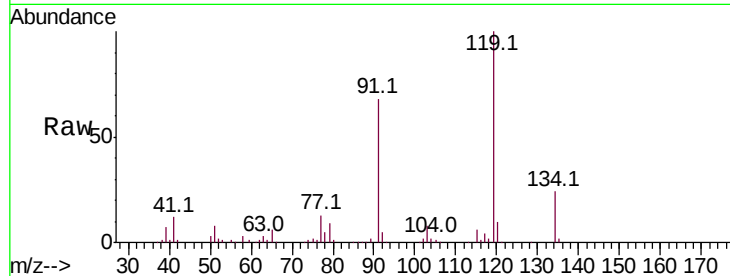




#83
 tert-Butylbenzene
 Concen: 25.108 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW007882.D
 Acq: 24 Dec 2018 12:24

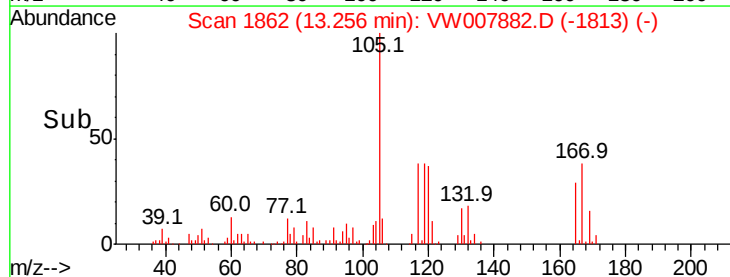
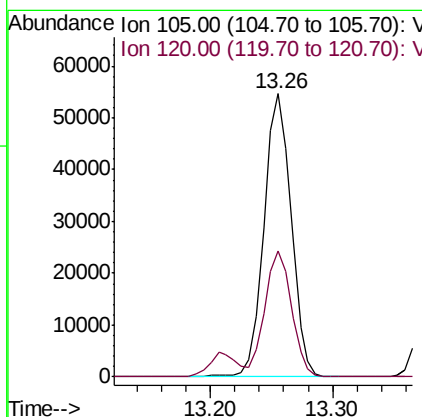
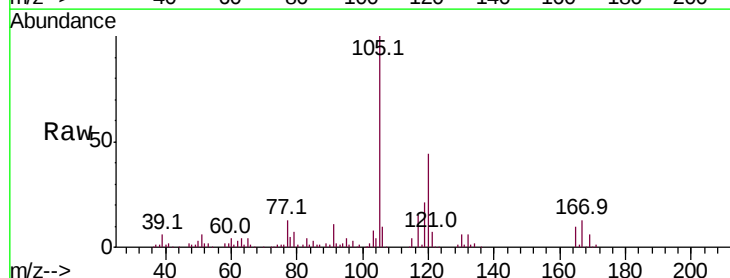
Instrument :
 MSVOA_W
 ClientSampleId :

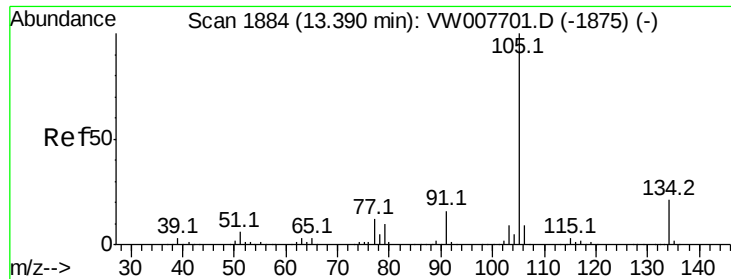
Tot Ion:119 Resp: 74871
 Ion Ratio Lower Upper
 119 100
 91 66.8 34.2 102.5
 134 25.2 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 24.698 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW007882.D
 Acq: 24 Dec 2018 12:24

Tgt Ion:105 Resp: 84696
 Ion Ratio Lower Upper
 105 100
 120 43.4 22.0 66.0

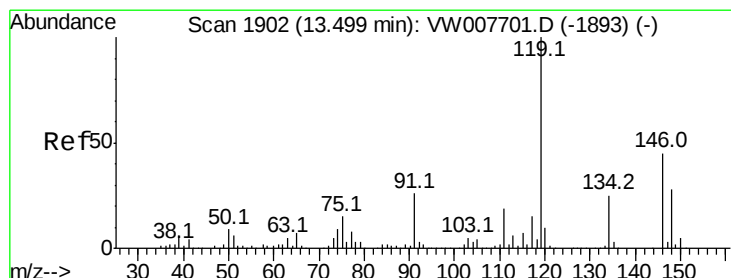
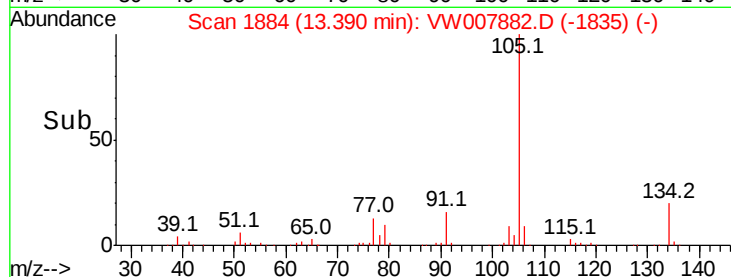
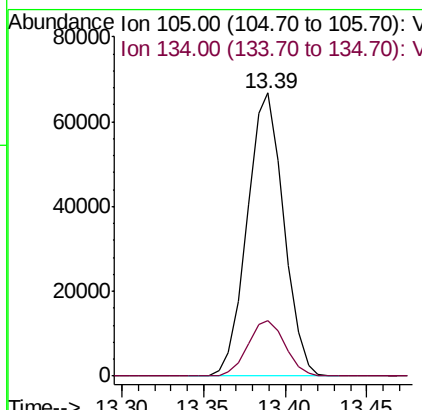
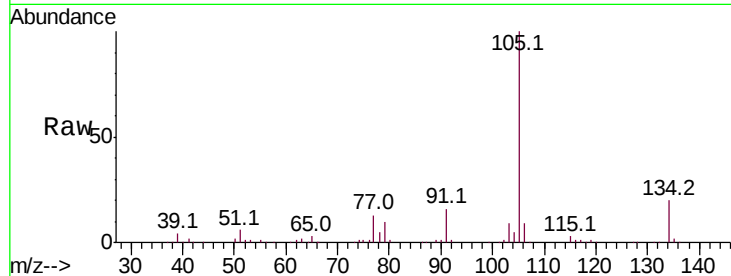




#85
 sec-Butylbenzene
 Concen: 25.344 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007882.D
 Acq: 24 Dec 2018 12:24

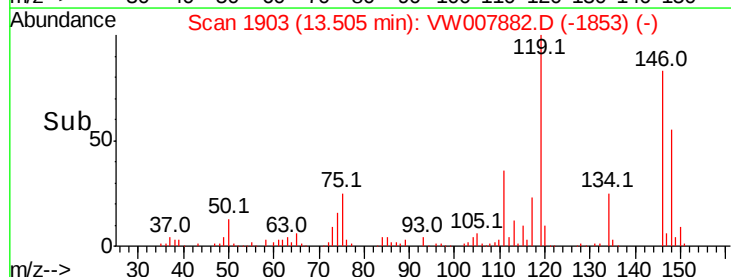
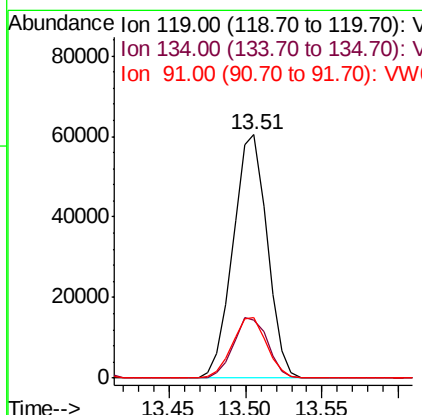
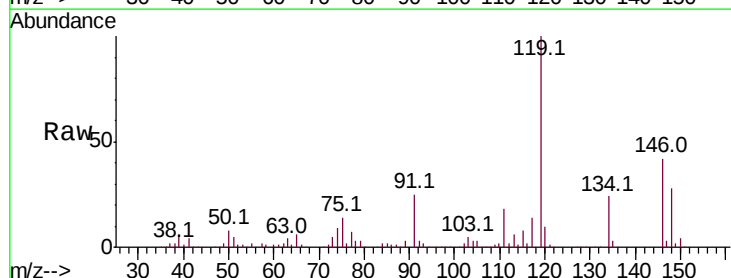
Instrument :
 MSVOA_W
 ClientSampled :

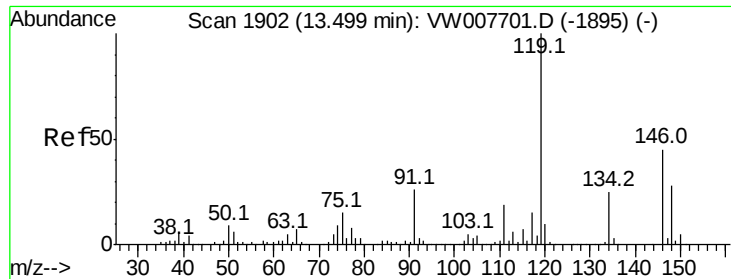
Tot Ion:105 Resp: 104157
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 24.978 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007882.D
 Acq: 24 Dec 2018 12:24

Tgt Ion:119 Resp: 93343
 Ion Ratio Lower Upper
 119 100
 134 25.0 13.0 39.0
 91 25.2 12.8 38.4

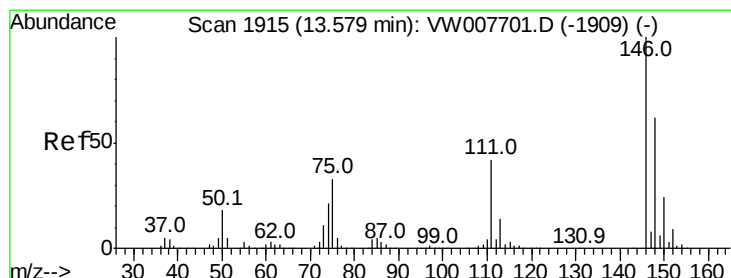
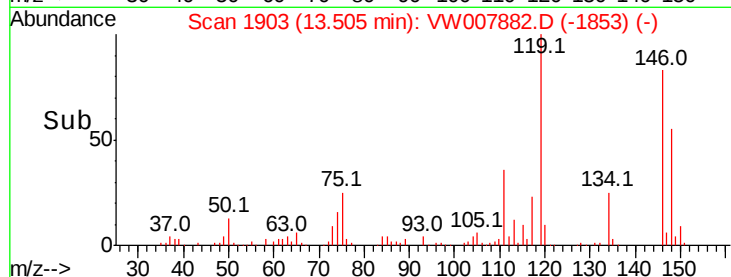
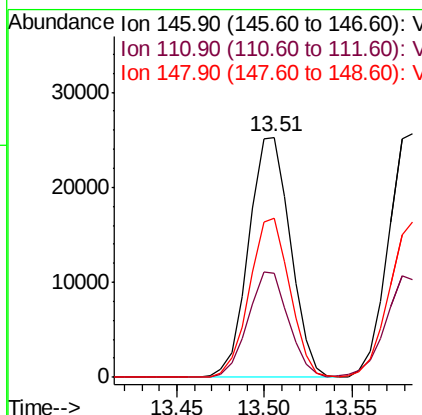
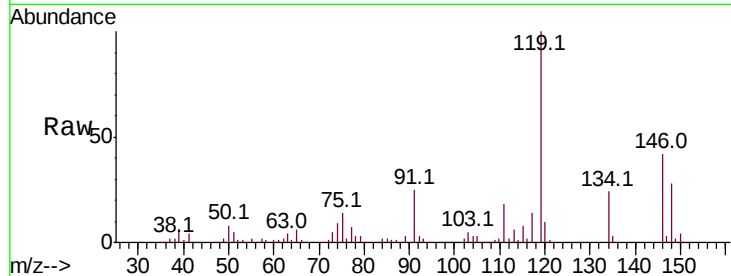




#87
 1,3-Dichlorobenzene
 Concen: 23.365 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007882.D
 Acq: 24 Dec 2018 12:24

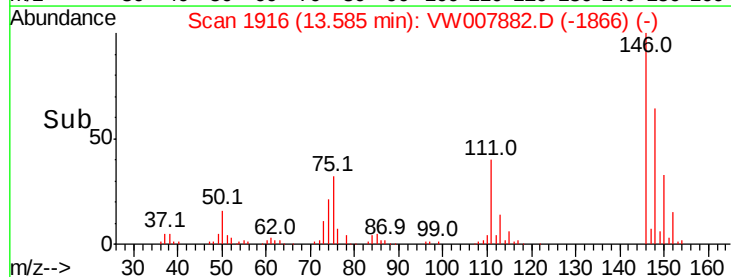
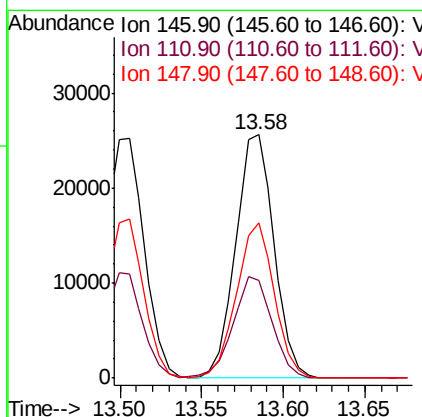
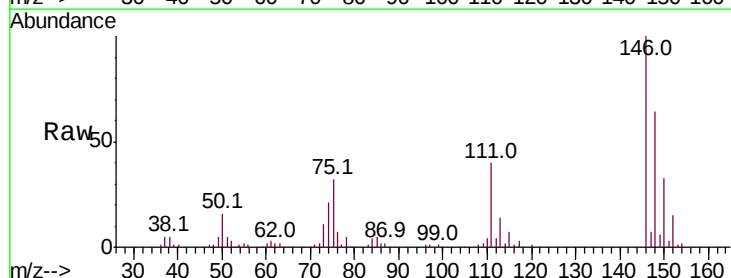
Instrument :
 MSVOA_W
 ClientSampleId :

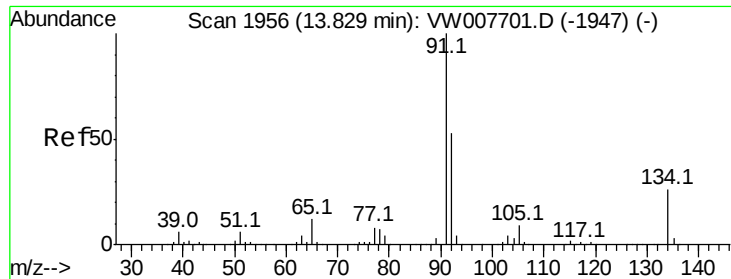
Tot Ion:146 Resp: 41889
 Ion Ratio Lower Upper
 146 100
 111 42.6 21.1 63.4
 148 64.1 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 23.376 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW007882.D
 Acq: 24 Dec 2018 12:24

Tgt Ion:146 Resp: 41920
 Ion Ratio Lower Upper
 146 100
 111 42.4 21.0 63.0
 148 63.0 31.8 95.4





#89

n-Butylbenzene

Concen: 25.726 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :

MSVOA_W

ClientSampled :

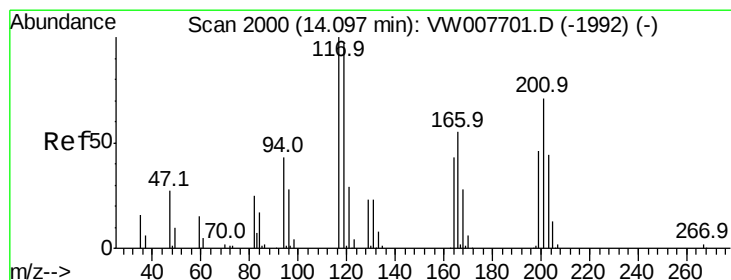
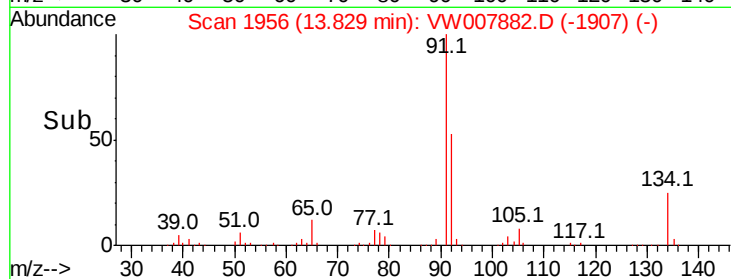
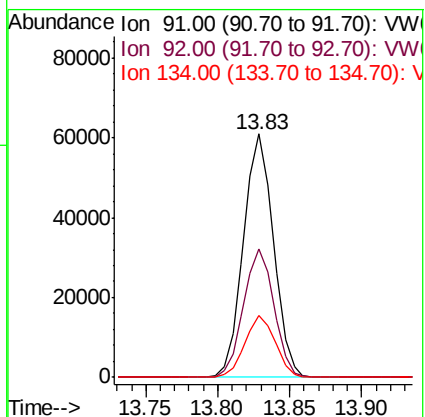
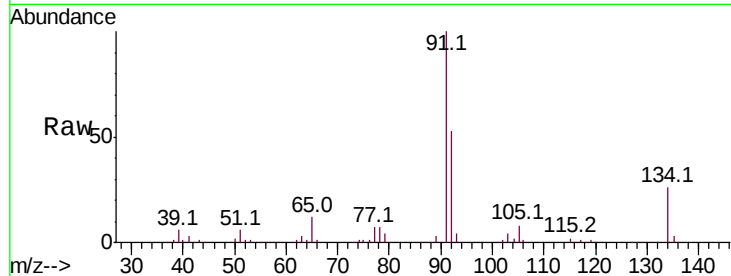
Tot Ion: 91 Resp: 88145

Ion Ratio Lower Upper

91 100

92 53.2 26.4 79.2

134 25.7 13.7 41.0



#90

Hexachloroethane

Concen: 21.420 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW007882.D

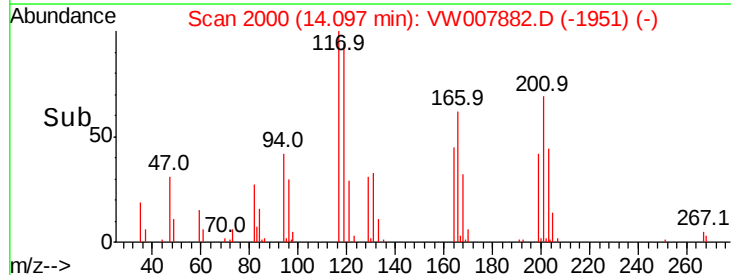
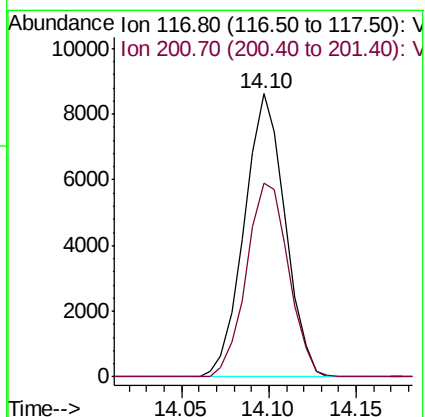
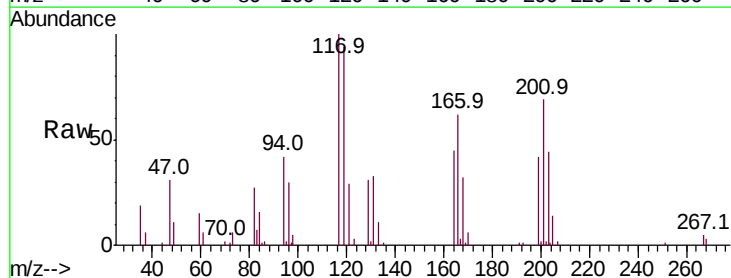
Acq: 24 Dec 2018 12:24

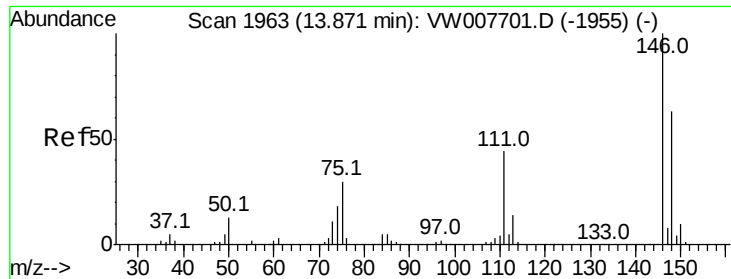
Tgt Ion: 117 Resp: 14053

Ion Ratio Lower Upper

117 100

201 70.8 36.2 108.6





#91

1,2-Dichlorobenzene

Concen: 23.241 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.01 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :

MSVOA_W

ClientSampleId :

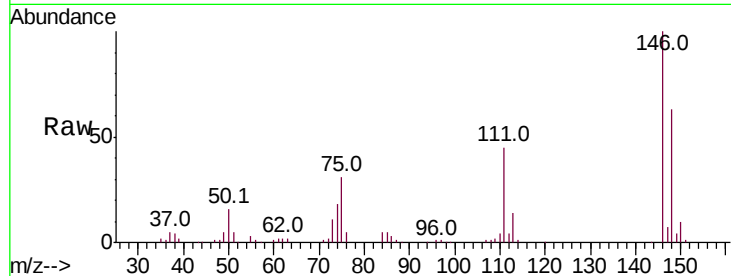
Tot Ion:146 Resp: 37305

Ion Ratio Lower Upper

146 100

111 44.3 21.7 65.1

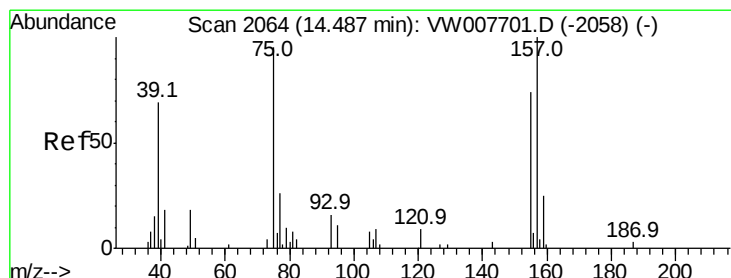
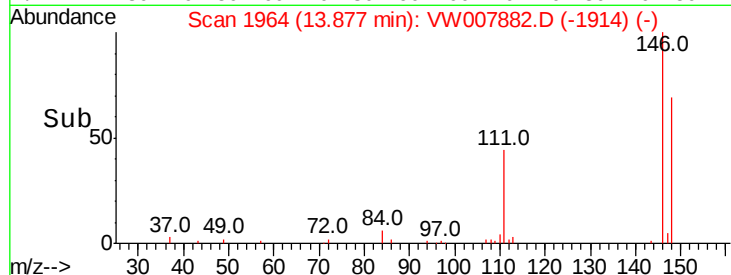
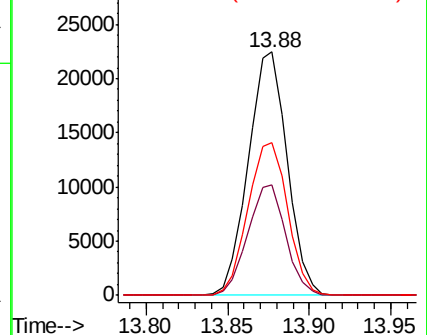
148 63.8 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.272 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.01 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

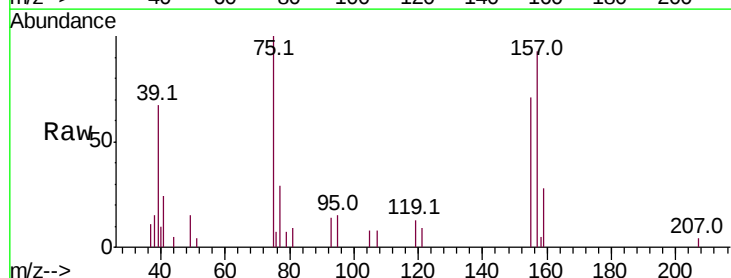
Tgt Ion: 75 Resp: 2338

Ion Ratio Lower Upper

75 100

155 77.2 39.4 118.1

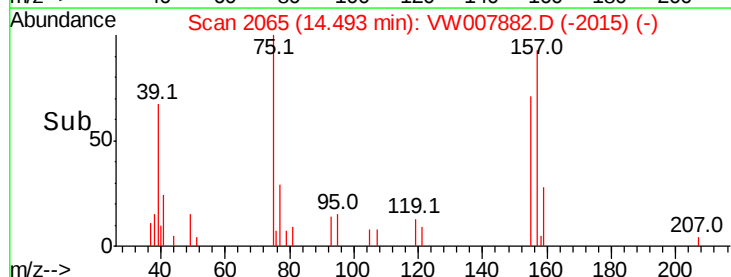
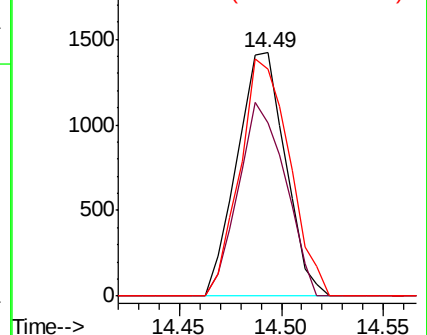
157 100.0 52.0 156.0

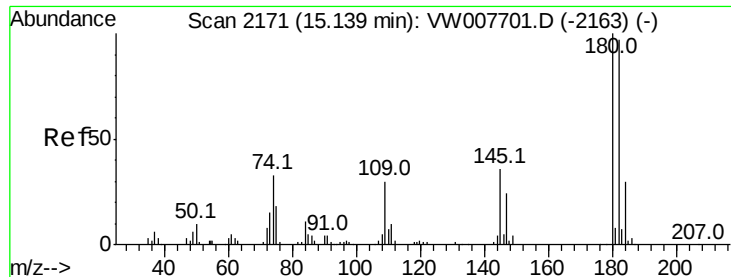


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 22.926 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :

MSVOA_W

ClientSampled :

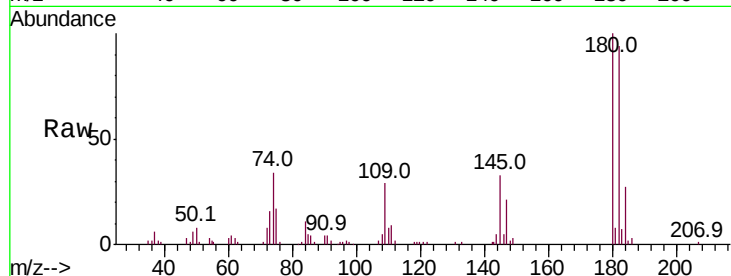
Tot Ion:180 Resp: 25545

Ion Ratio Lower Upper

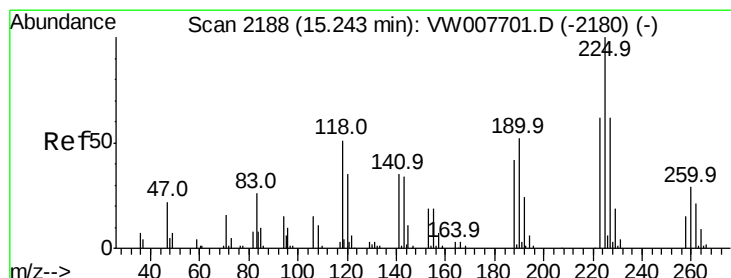
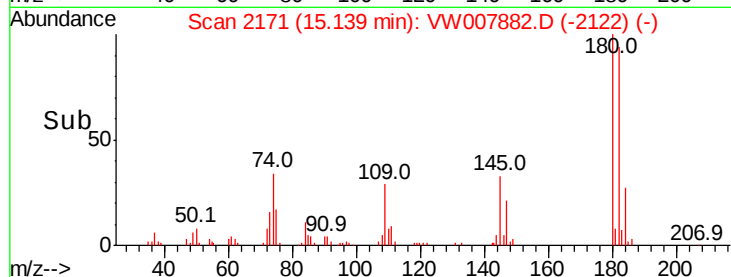
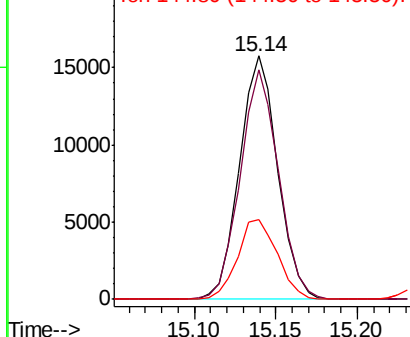
180 100

182 95.0 47.5 142.6

145 34.1 17.5 52.5



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



#94

Hexachlorobutadiene

Concen: 24.578 ug/l

RT: 15.24 min Scan# 2188

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

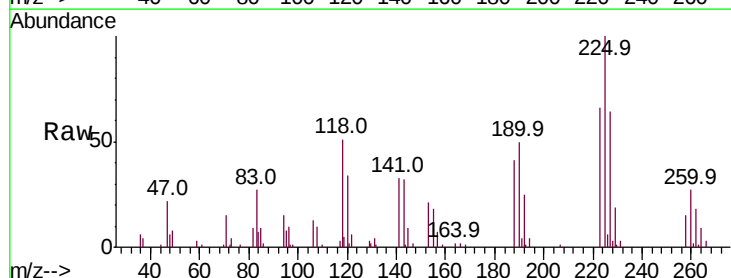
Tgt Ion:225 Resp: 14635

Ion Ratio Lower Upper

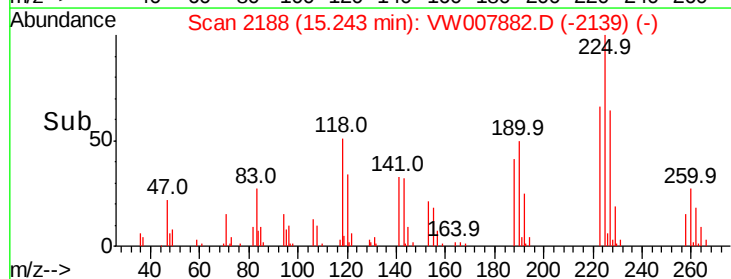
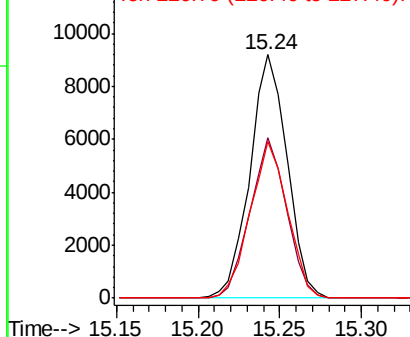
225 100

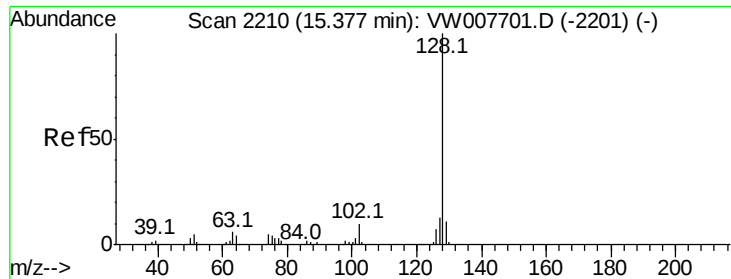
223 64.6 31.6 94.8

227 64.3 32.1 96.3



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

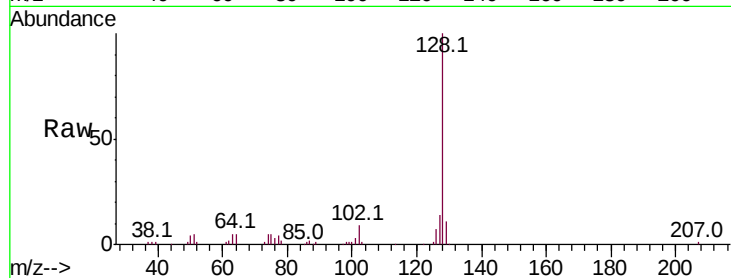




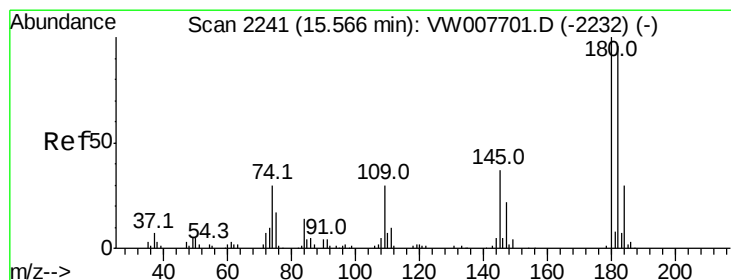
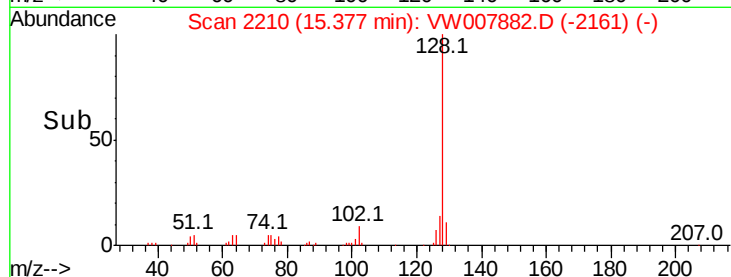
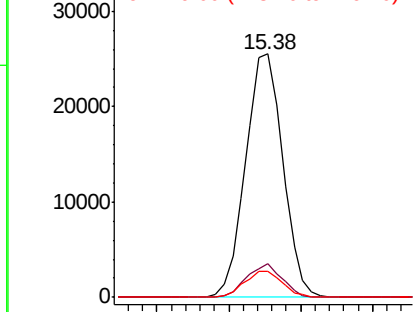
#95
Naphthalene
Concen: 22.204 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 45741
Ion Ratio Lower Upper
128 100
127 13.1 10.7 16.1
129 10.7 8.8 13.2

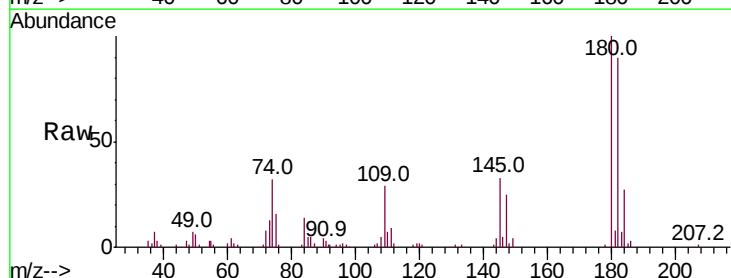


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 22.777 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Tgt Ion:180 Resp: 21724
Ion Ratio Lower Upper
180 100
182 93.2 47.4 142.2
145 35.5 18.4 55.0



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

