

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122318\
 Data File : VW007800.D
 Acq On : 21 Dec 2018 17:38
 Operator : SY/AP
 Sample : WV1223SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 21 23:48:57 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	79050	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	127797	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	115472	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	59152	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	47035	54.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.58%	
35) Dibromofluoromethane	7.88	113	42546	54.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.14%	
50) Toluene-d8	10.32	98	164634	56.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.04%	
62) 4-Bromofluorobenzene	12.62	95	63928	56.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.60%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	11879	16.904	ug/l	93
3) Chloromethane	2.21	50	9171	21.252	ug/l	98
4) Vinyl Chloride	2.37	62	11328	20.622	ug/l	91
5) Bromomethane	2.78	94	7910	20.674	ug/l	99
6) Chloroethane	2.93	64	6448	21.941	ug/l	98
7) Trichlorofluoromethane	3.25	101	8604	15.045	ug/l	98
8) Diethyl Ether	3.67	74	7121	20.329	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	15207	18.055	ug/l	98
10) Methyl Iodide	4.27	142	24730	18.463	ug/l	96
11) Tert butyl alcohol	5.19	59	6486	110.972	ug/l	98
12) 1,1-Dichloroethene	4.03	96	14548	18.653	ug/l	97
13) Acrolein	3.89	56	4335	92.763	ug/l	97
14) Allyl chloride	4.66	41	20593	20.135	ug/l	92
15) Acrylonitrile	5.37	53	16487	110.339	ug/l	99
16) Acetone	4.12	43	16478	101.562	ug/l #	87
17) Carbon Disulfide	4.37	76	40285	16.691	ug/l	99
18) Methyl Acetate	4.67	43	8539	22.130	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	25082	22.401	ug/l	98
20) Methylene Chloride	4.90	84	18022	18.201	ug/l	93
21) trans-1,2-Dichloroethene	5.41	96	16486	19.220	ug/l	96
22) Diisopropyl ether	6.31	45	40426	21.109	ug/l	97
23) Vinyl Acetate	6.25	43	125425	110.234	ug/l	97
24) 1,1-Dichloroethane	6.21	63	28066	19.921	ug/l	96
25) 2-Butanone	7.18	43	21429	112.762	ug/l	97
26) 2,2-Dichloropropane	7.17	77	19557	18.970	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	17930	19.620	ug/l	96
28) Bromochloromethane	7.51	49	9460	19.694	ug/l	99
29) Tetrahydrofuran	7.53	42	13409	118.293	ug/l	96
30) Chloroform	7.68	83	30373	19.050	ug/l	96
31) Cyclohexane	7.95	56	25686	19.915	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	26399	18.180	ug/l	98
36) 1,1-Dichloropropene	8.08	75	24328	19.723	ug/l	99
37) Ethyl Acetate	7.26	43	8897	20.900	ug/l	97
38) Carbon Tetrachloride	8.07	117	24397	16.795	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	30359	19.807	ug/l	98
40) Benzene	8.32	78	65294	19.837	ug/l	97
41) Methacrylonitrile	7.48	41	5274	21.822	ug/l	98
42) 1,2-Dichloroethane	8.40	62	21178	19.200	ug/l	98
43) Isopropyl Acetate	8.43	43	19233	22.552	ug/l	98
44) Trichloroethene	9.09	130	18666	18.752	ug/l	99
45) 1,2-Dichloropropane	9.37	63	14998	20.535	ug/l	97
46) Dibromomethane	9.46	93	8735	19.429	ug/l	99
47) Bromodichloromethane	9.64	83	21187	17.926	ug/l	99
48) Methyl methacrylate	9.44	41	9613	22.582	ug/l	96
49) 1,4-Dioxane	9.44	88	2783	390.435	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	46391	115.099	ug/l	98
52) Toluene	10.39	92	44547	20.172	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	23677	20.140	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	26029	20.045	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	12668	20.439	ug/l	98
56) Ethyl methacrylate	10.65	69	16568	22.625	ug/l	96
57) 1,3-Dichloropropane	10.93	76	21044	20.447	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	42190	126.188	ug/l	98
59) 2-Hexanone	10.97	43	33861	119.458	ug/l	100
60) Dibromochloromethane	11.13	129	14552	17.732	ug/l	100
61) 1,2-Dibromoethane	11.24	107	12720	20.266	ug/l	97
64) Tetrachloroethene	10.86	164	15575	19.048	ug/l	97
65) Chlorobenzene	11.66	112	48489	19.401	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	16720	18.722	ug/l	96
67) Ethyl Benzene	11.73	91	87661	20.440	ug/l	97
68) m/p-Xylenes	11.84	106	68033	40.893	ug/l	98
69) o-Xylene	12.17	106	31926	20.472	ug/l	100
70) Styrene	12.18	104	51862	20.231	ug/l	98
71) Bromoform	12.35	173	7588	16.368	ug/l #	95
73) Isopropylbenzene	12.47	105	89901	20.107	ug/l	99
74) N-amyl acetate	12.27	43	18653	24.084	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	14495	21.622	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	20045	43.844	ug/l #	100
77) Bromobenzene	12.75	156	20716	20.217	ug/l	98
78) n-propylbenzene	12.80	91	103911	19.964	ug/l	99
79) 2-Chlorotoluene	12.90	91	61581	20.310	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	78043	20.235	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	4170	19.146	ug/l	95
82) 4-Chlorotoluene	12.99	91	64929	20.112	ug/l	99
83) tert-Butylbenzene	13.21	119	68698	20.301	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	80989	20.811	ug/l	99
85) sec-Butylbenzene	13.39	105	94501	20.263	ug/l	99
86) p-Isopropyltoluene	13.50	119	86357	20.363	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	40711	20.010	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	40910	20.102	ug/l	99
89) n-Butylbenzene	13.83	91	78431	20.171	ug/l	99
90) Hexachloroethane	14.10	117	11867	15.939	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	37070	20.350	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2705	19.648	ug/l	96

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Response via : Initial Calibration

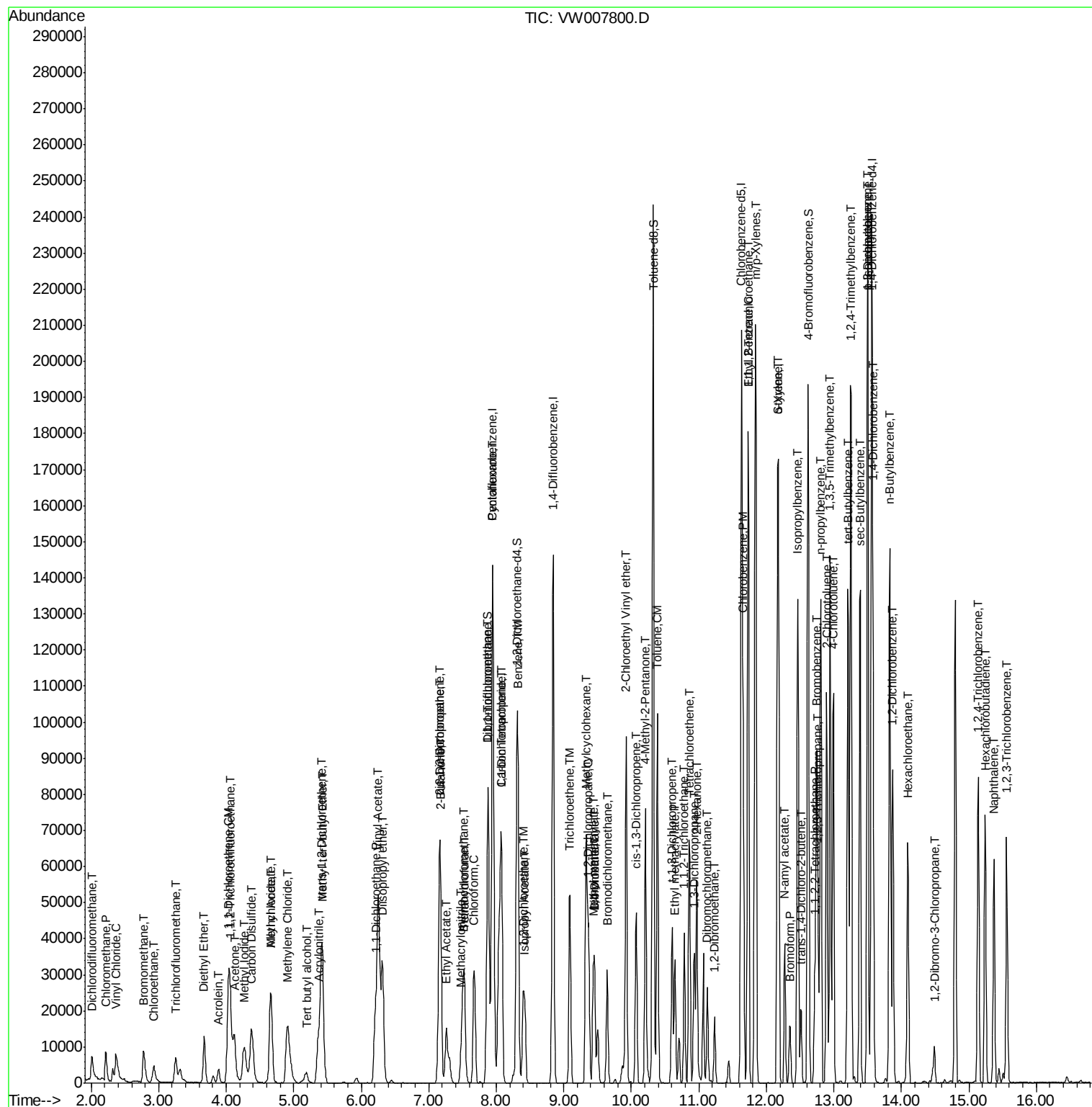
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	26164	20.692	ug/l	100
94) Hexachlorobutadiene	15.24	225	13555	20.059	ug/l	99
95) Naphthalene	15.37	128	54397	23.269	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	22719	20.990	ug/l	100

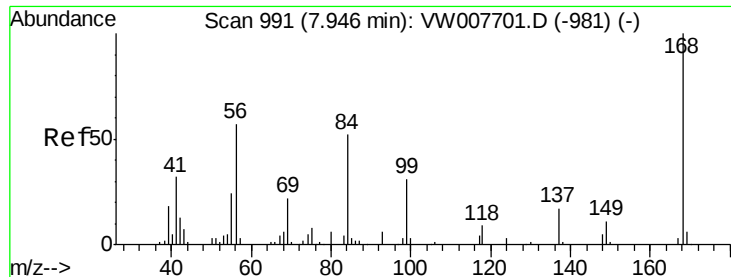
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122318\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Instrument :

MSVOA_W

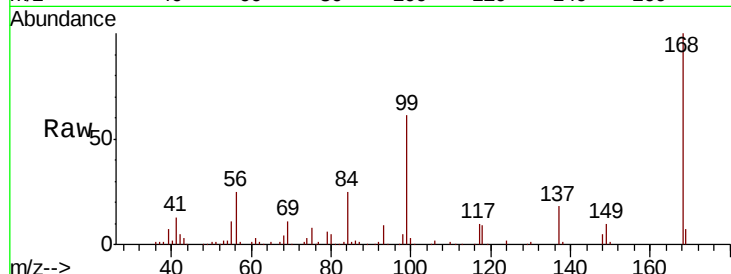
ClientSampled :

Tot Ion:168 Resp: 79050

Ion Ratio Lower Upper

168 100

99 61.4 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

40000

30000

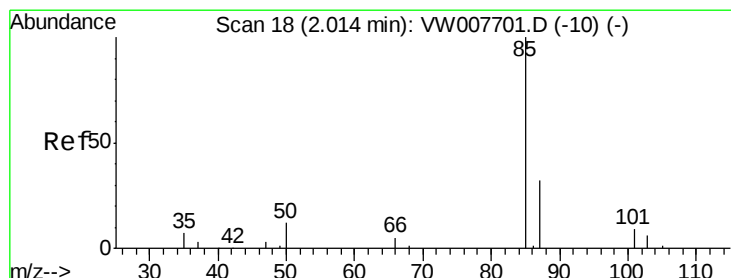
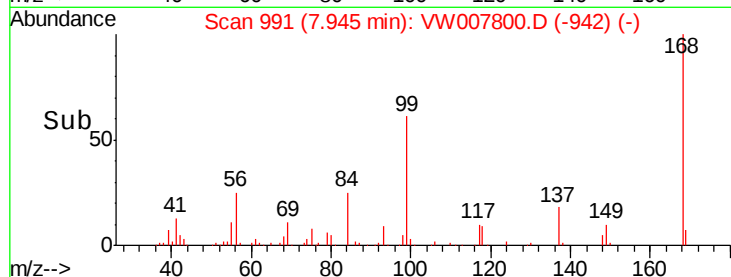
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 16.904 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW007800.D

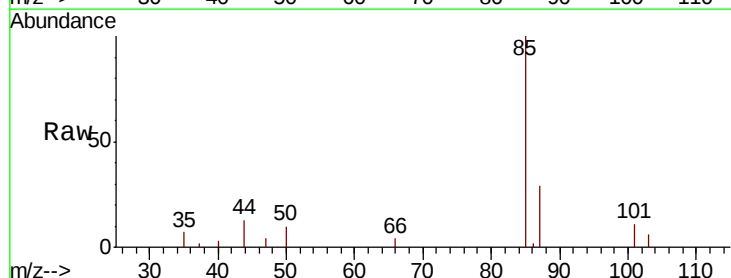
Acq: 21 Dec 2018 17:38

Tgt Ion: 85 Resp: 11879

Ion Ratio Lower Upper

85 100

87 28.7 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

4000

3000

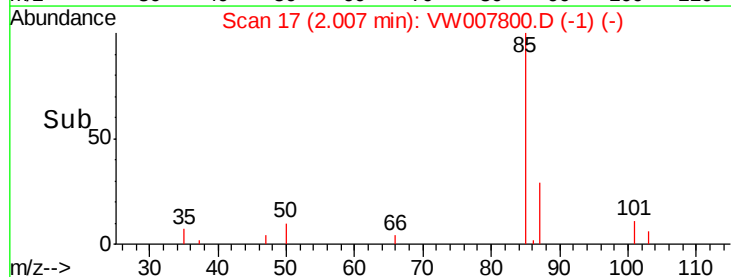
2000

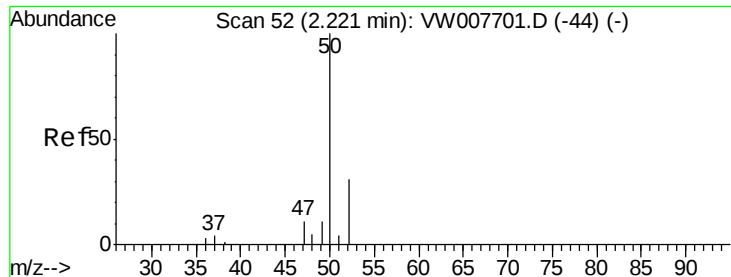
1000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 21.252 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Instrument :

MSVOA_W

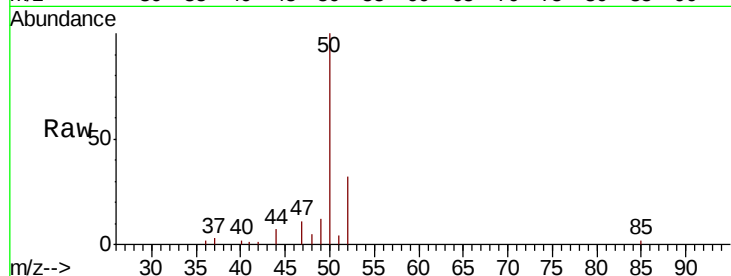
ClientSampleId :

Tot Ion: 50 Resp: 9171

Ion Ratio Lower Upper

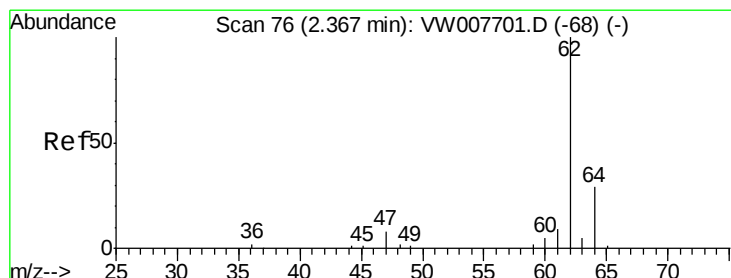
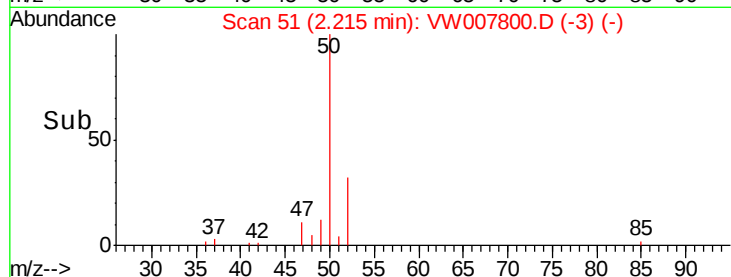
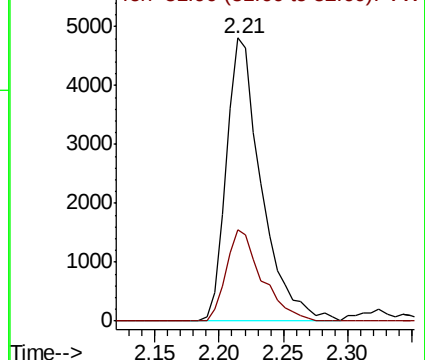
50 100

52 32.4 25.1 37.7



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 20.622 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW007800.D

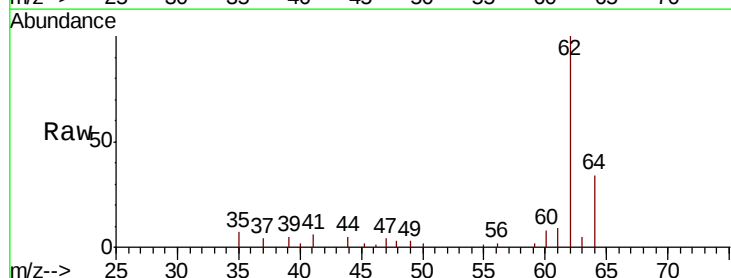
Acq: 21 Dec 2018 17:38

Tgt Ion: 62 Resp: 11328

Ion Ratio Lower Upper

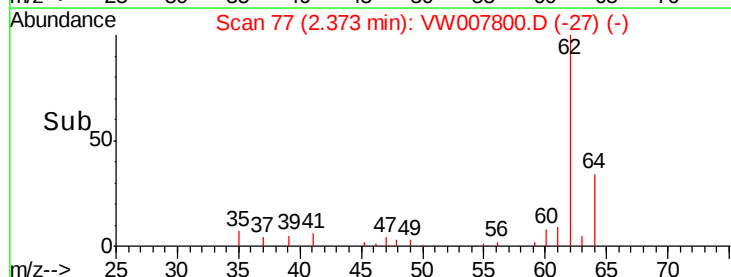
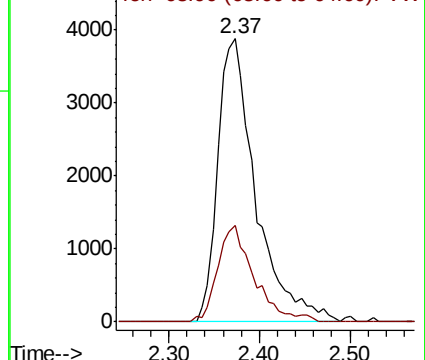
62 100

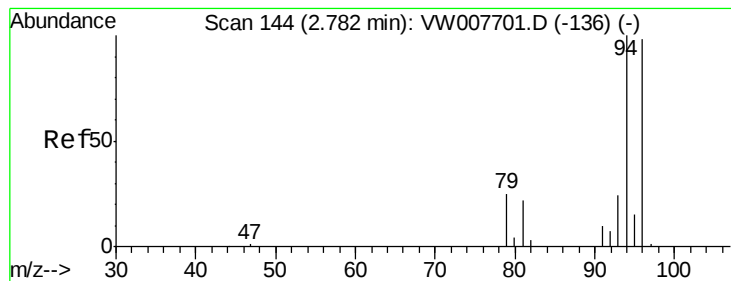
64 33.9 23.4 35.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 20.674 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Instrument :

MSVOA_W

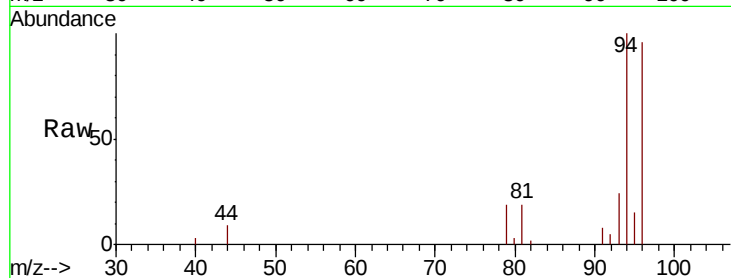
ClientSampleId :

Tot Ion: 94 Resp: 7910

Ion Ratio Lower Upper

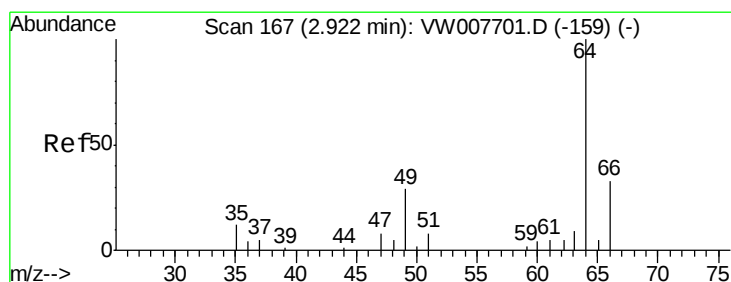
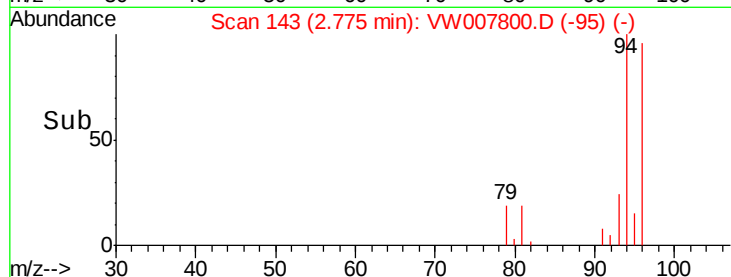
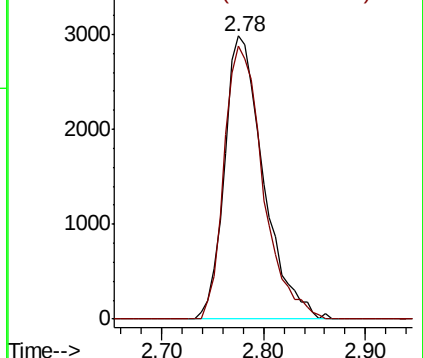
94 100

96 96.4 78.2 117.2



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 21.941 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW007800.D

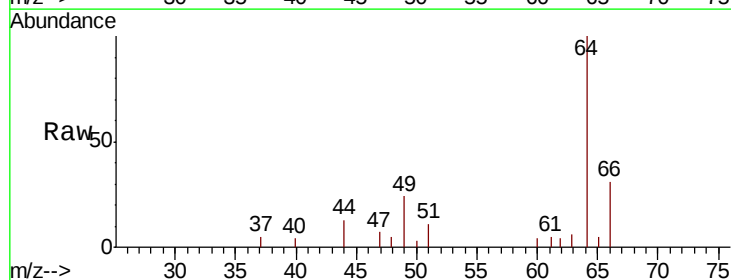
Acq: 21 Dec 2018 17:38

Tgt Ion: 64 Resp: 6448

Ion Ratio Lower Upper

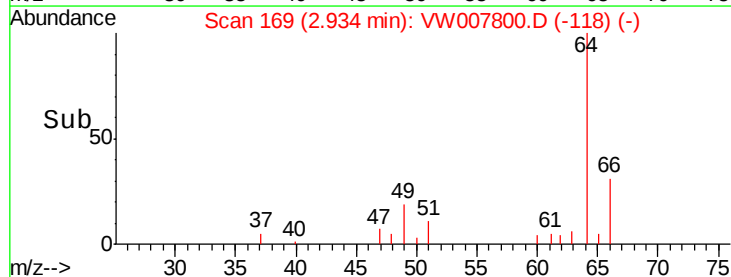
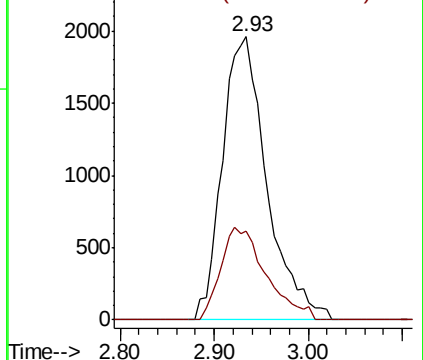
64 100

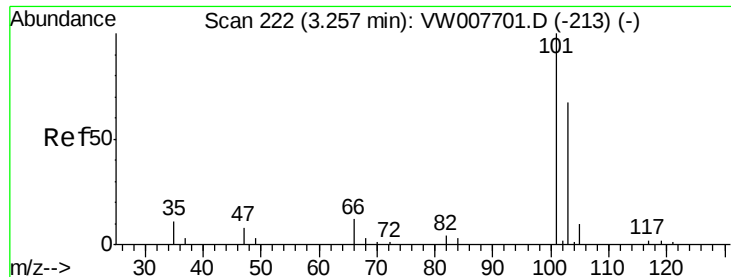
66 31.5 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



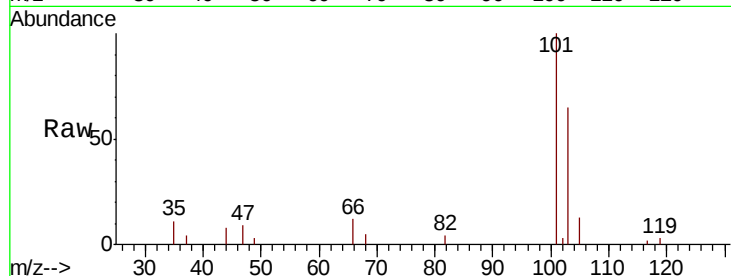


#7

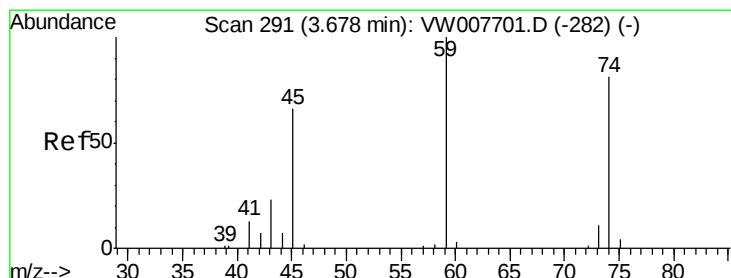
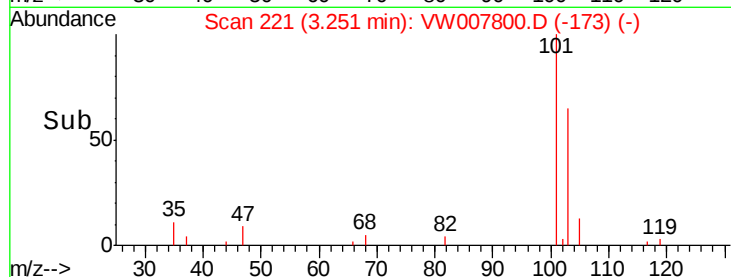
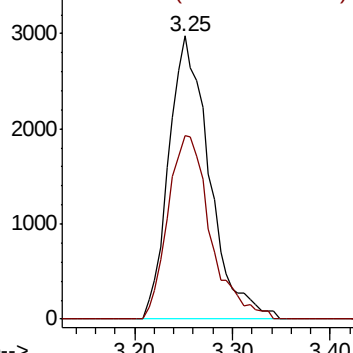
Trichlorofluoromethane
 Concen: 15.045 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW007800.D
 Acq: 21 Dec 2018 17:38

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:101 Resp: 8604
 Ion Ratio Lower Upper
 101 100
 103 65.0 53.4 80.2



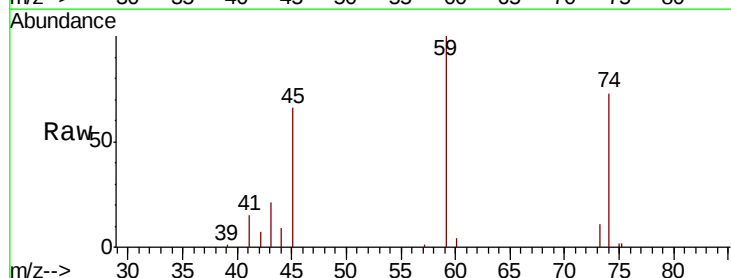
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



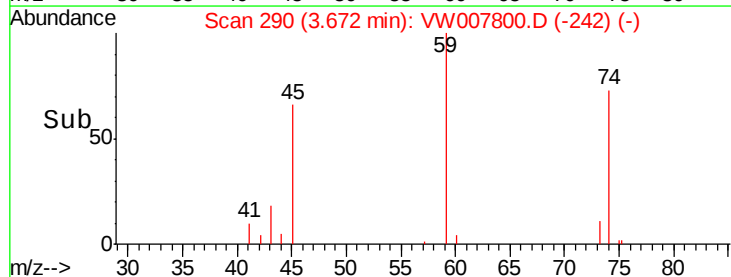
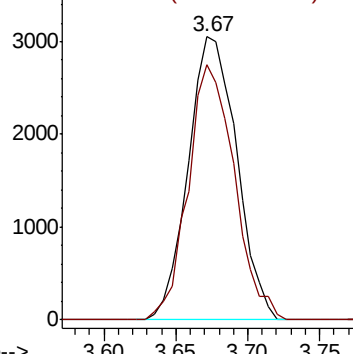
#8

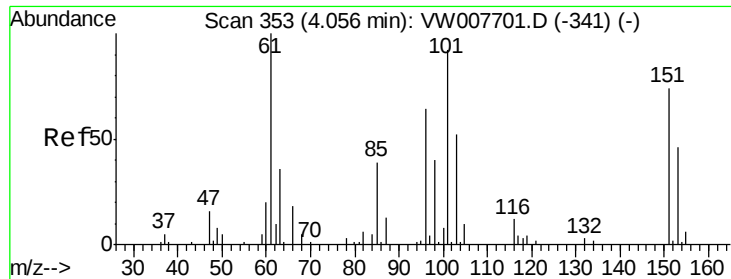
Diethyl Ether
 Concen: 20.329 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW007800.D
 Acq: 21 Dec 2018 17:38

Tgt Ion: 74 Resp: 7121
 Ion Ratio Lower Upper
 74 100
 45 86.0 39.4 118.1



Abundance Ion 74.00 (73.70 to 74.70): VW
 Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.055 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

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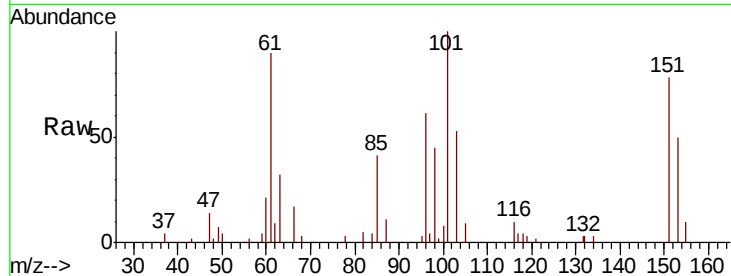
Tot Ion:101 Resp: 15207

Ion Ratio Lower Upper

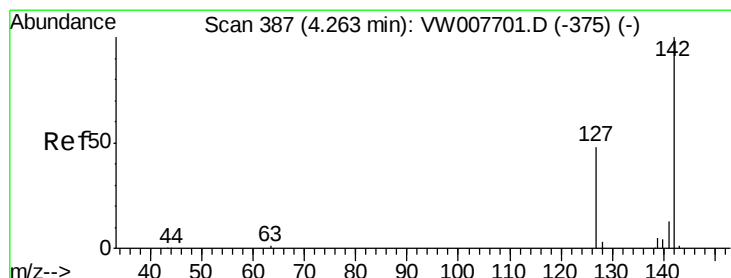
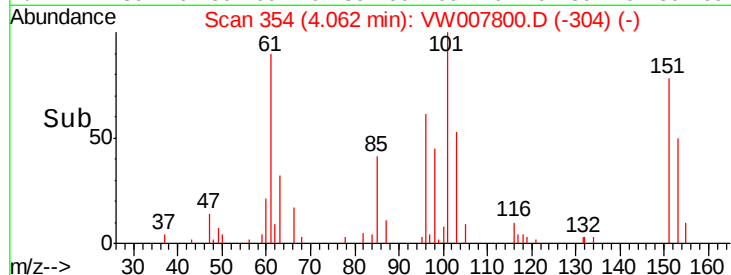
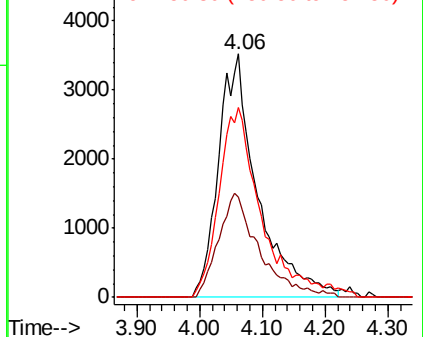
101 100

85 44.8 34.3 51.5

151 81.9 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: 18.463 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.01 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

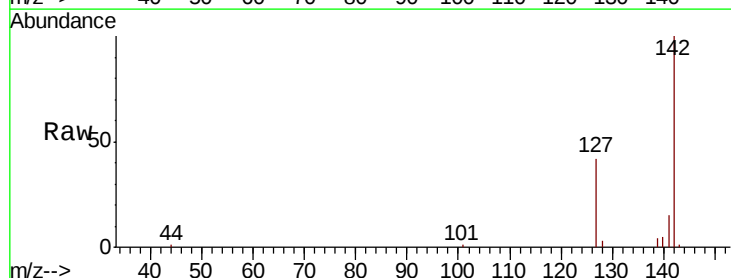
Tgt Ion:142 Resp: 24730

Ion Ratio Lower Upper

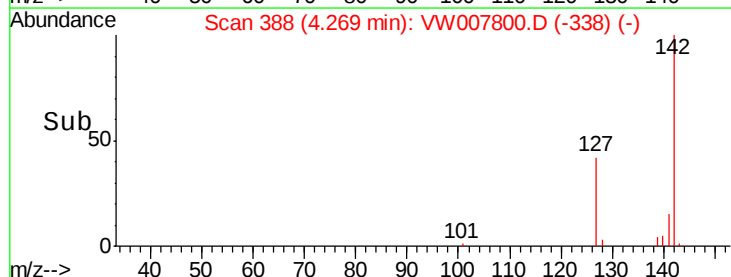
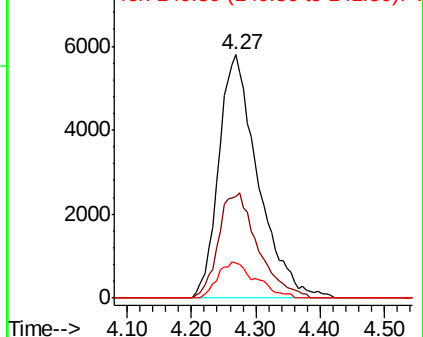
142 100

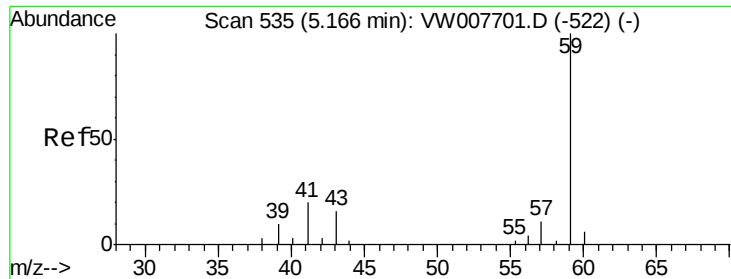
127 43.5 37.7 56.5

141 14.5 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

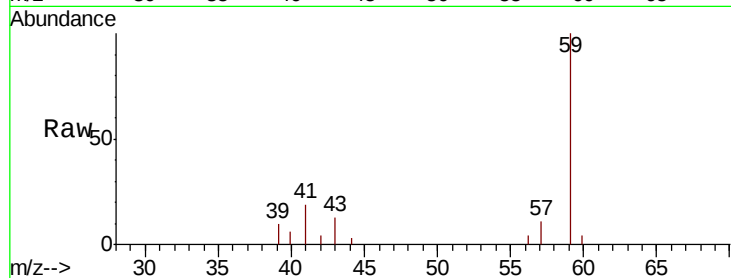




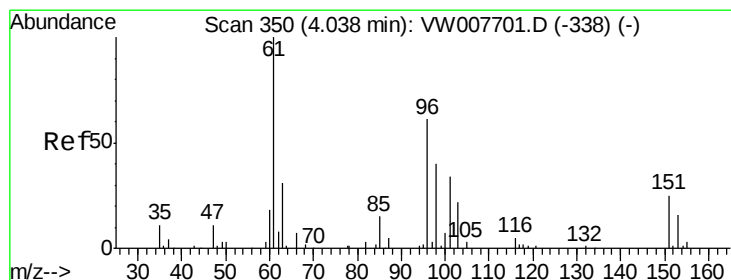
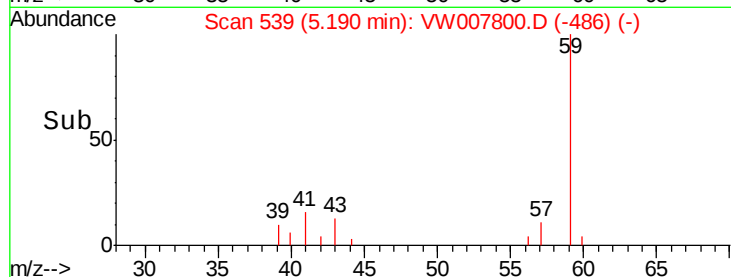
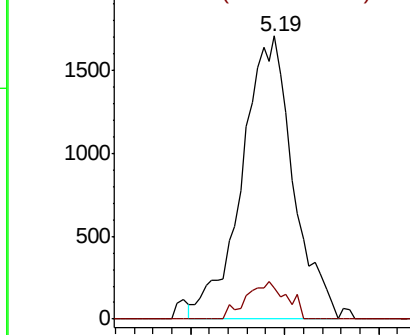
#11
Tert butyl alcohol
Concen: 110.972 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.02 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 59 Resp: 6486
Ion Ratio Lower Upper
59 100
57 10.4 7.8 11.8

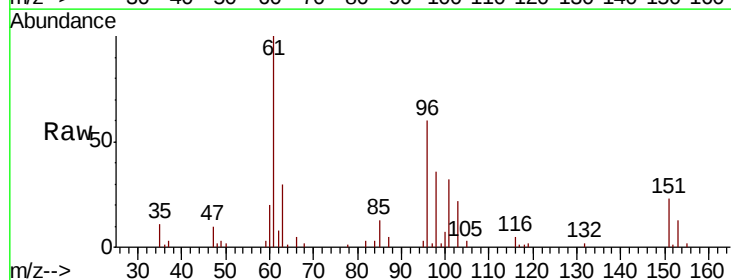


Abundance Ion 59.00 (58.70 to 59.70): VW
Ion 57.00 (56.70 to 57.70): VW

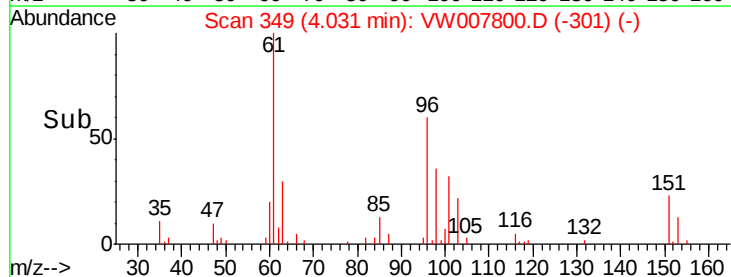
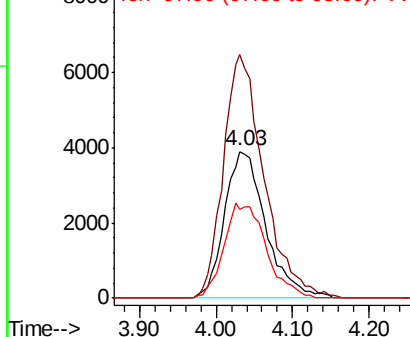


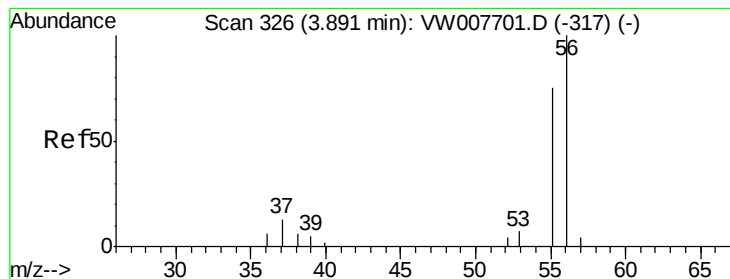
#12
1,1-Dichloroethene
Concen: 18.653 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Tgt Ion: 96 Resp: 14548
Ion Ratio Lower Upper
96 100
61 165.8 130.6 195.8
98 60.5 52.3 78.5



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





#13

Acrolein

Concen: 92.763 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Instrument :

MSVOA_W

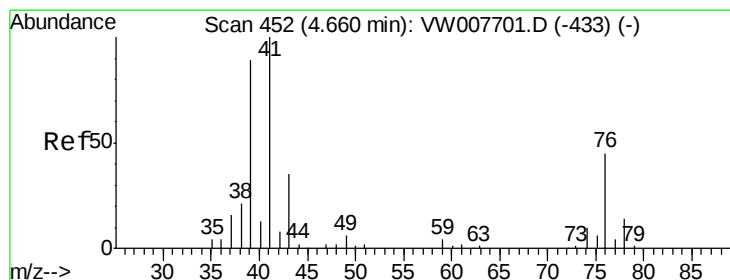
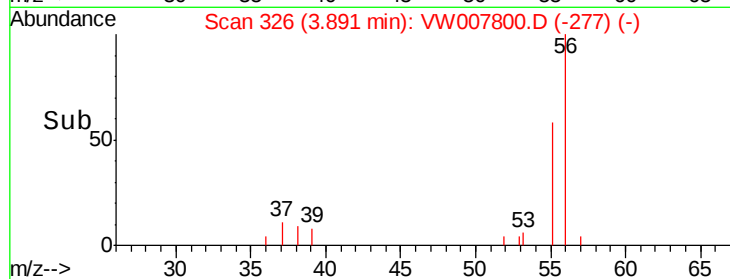
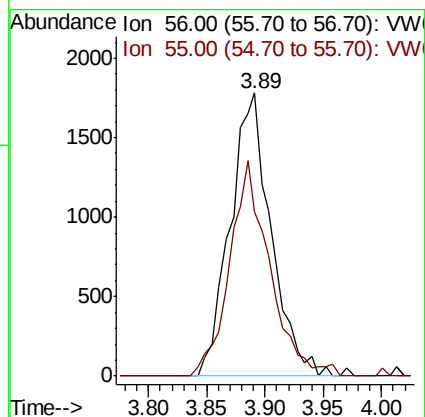
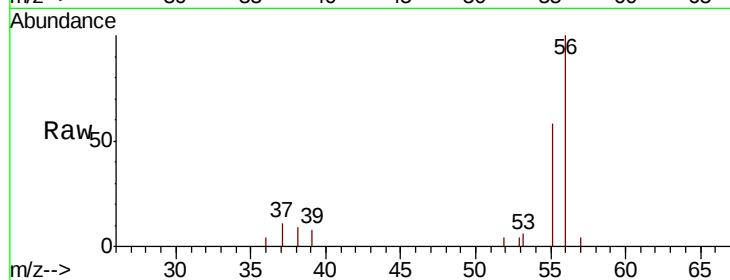
ClientSampled :

Tot Ion: 56 Resp: 4335

Ion Ratio Lower Upper

56 100

55 74.5 57.7 86.5



#14

Allyl chloride

Concen: 20.135 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

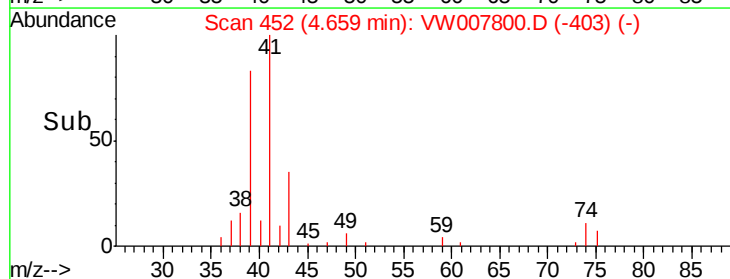
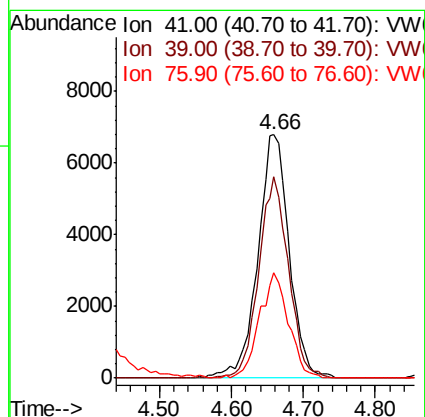
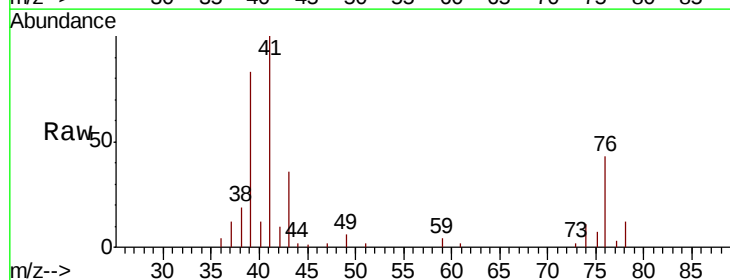
Tgt Ion: 41 Resp: 20593

Ion Ratio Lower Upper

41 100

39 78.2 69.5 104.3

76 40.0 34.8 52.2





#15

Acrylonitrile

Concen: 110.339 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Instrument :

MSVOA_W

ClientSampleId :

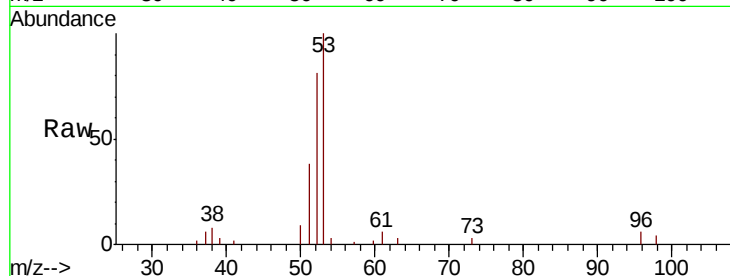
Tot Ion: 53 Resp: 16487

Ion Ratio Lower Upper

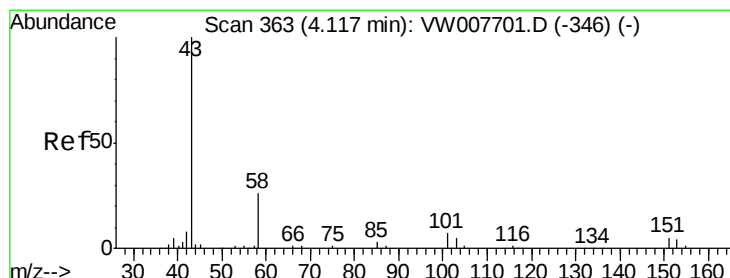
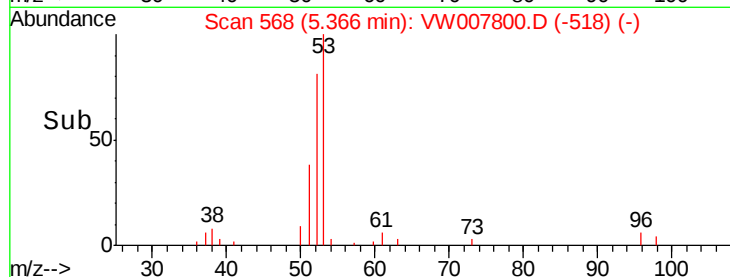
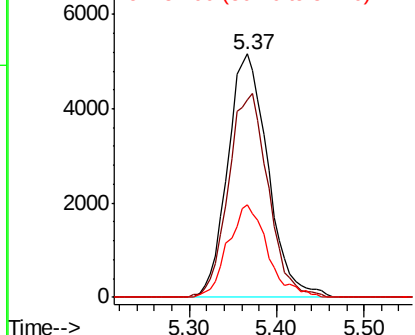
53 100

52 82.7 67.0 100.4

51 37.3 30.2 45.2



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



#16

Acetone

Concen: 101.562 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007800.D

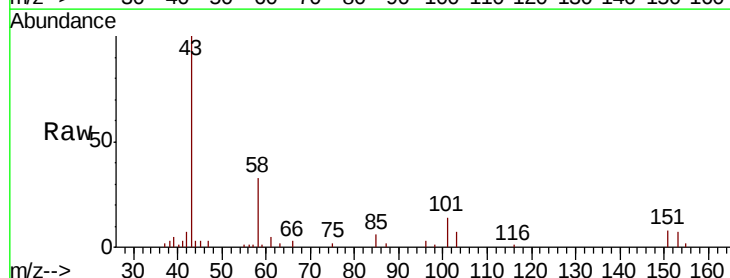
Acq: 21 Dec 2018 17:38

Tgt Ion: 43 Resp: 16478

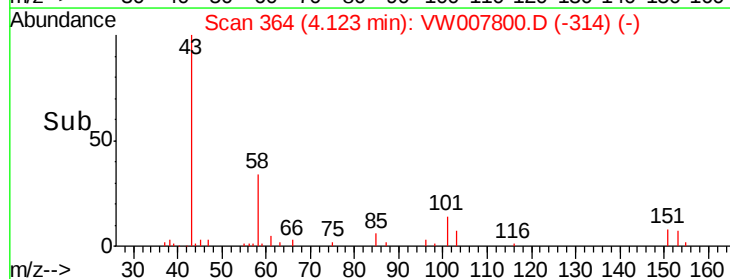
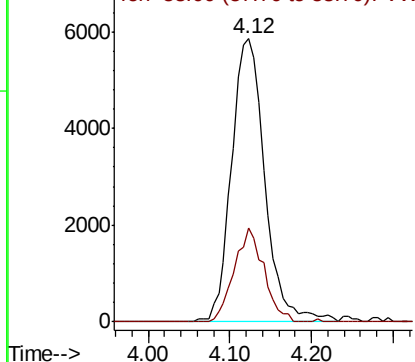
Ion Ratio Lower Upper

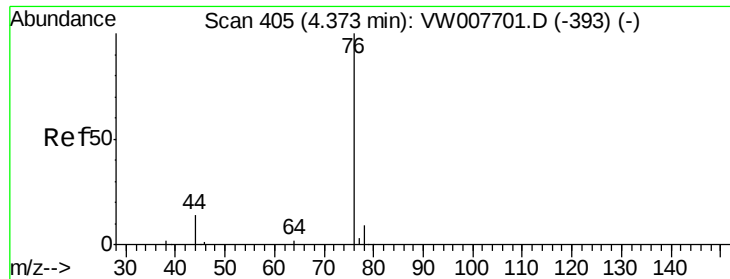
43 100

58 33.1 21.2 31.8#



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

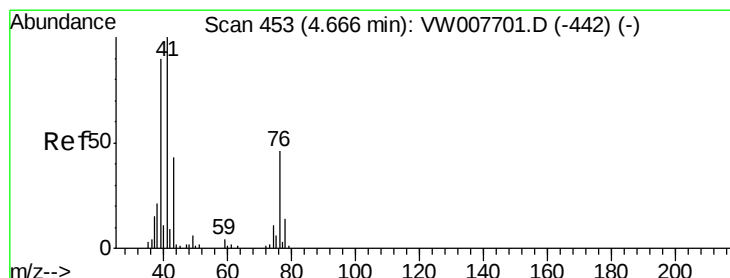
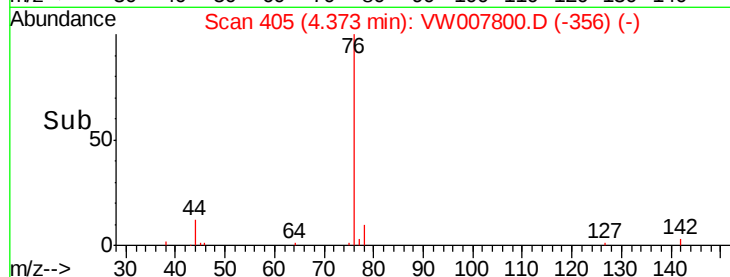
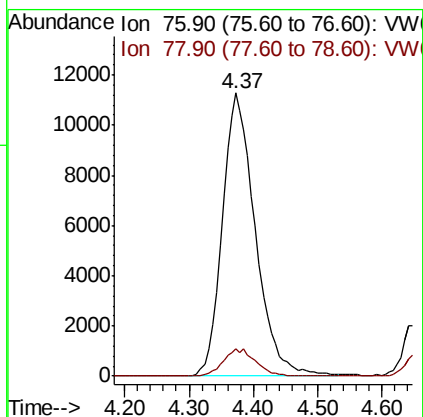
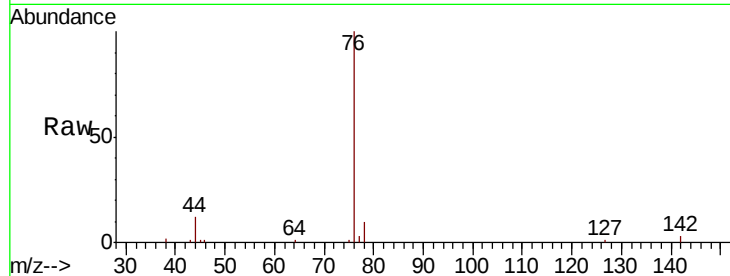




#17
Carbon Disulfide
Concen: 16.691 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

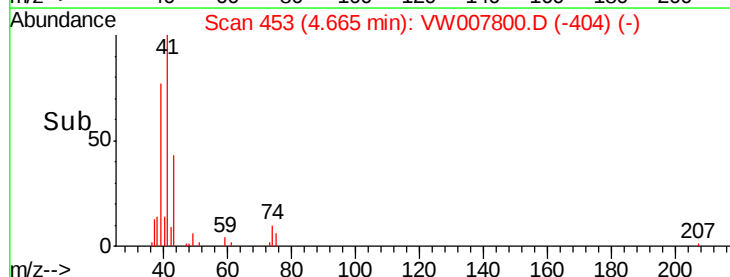
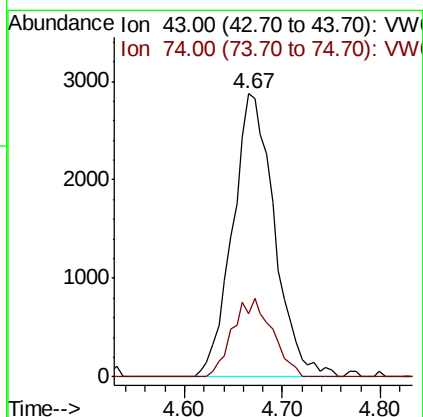
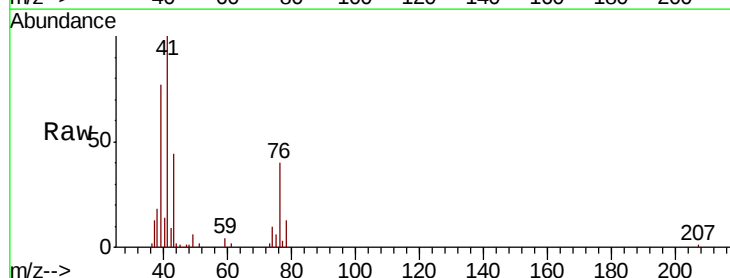
Instrument :
MSVOA_W
ClientSampled :

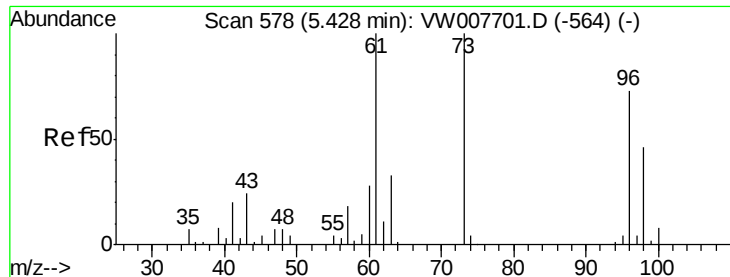
Tot Ion: 76 Resp: 40285
Ion Ratio Lower Upper
76 100
78 9.5 7.3 10.9



#18
Methyl Acetate
Concen: 22.130 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Tgt Ion: 43 Resp: 8539
Ion Ratio Lower Upper
43 100
74 26.1 22.7 34.1

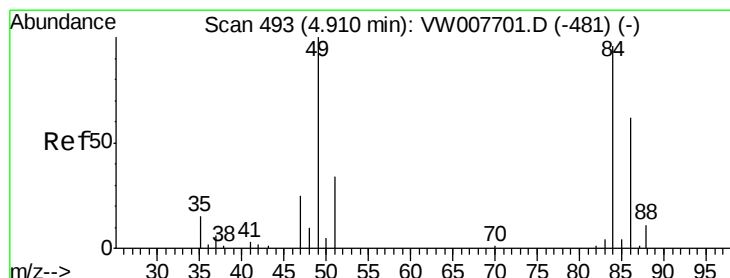
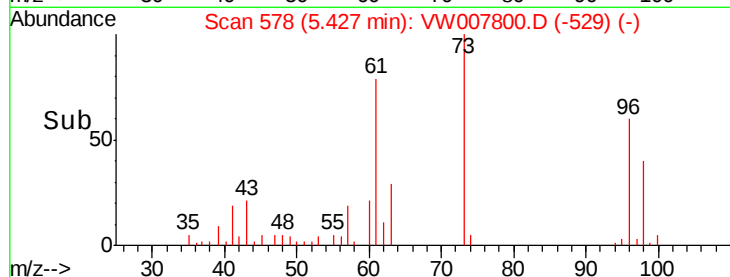
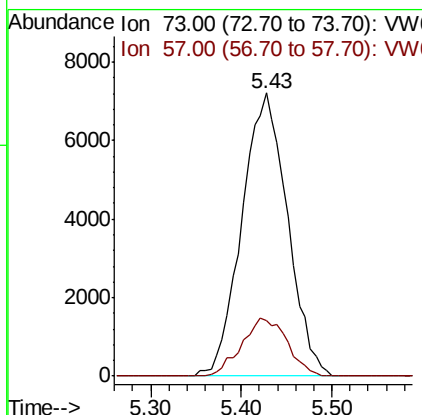
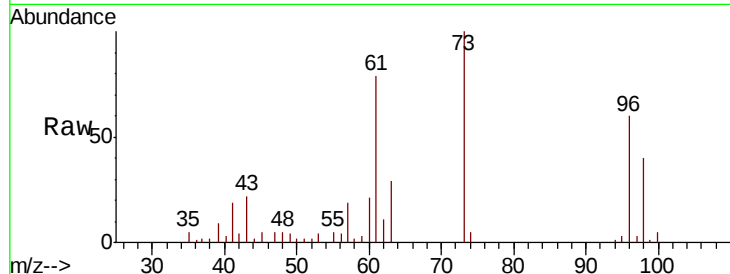




#19
Methyl tert-butyl Ether
Concen: 22.401 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

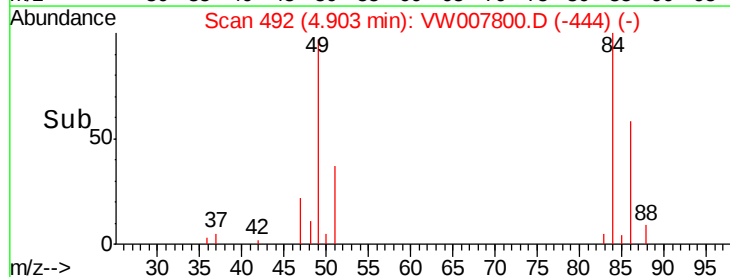
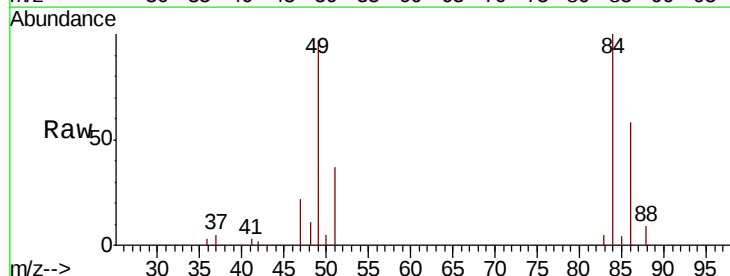
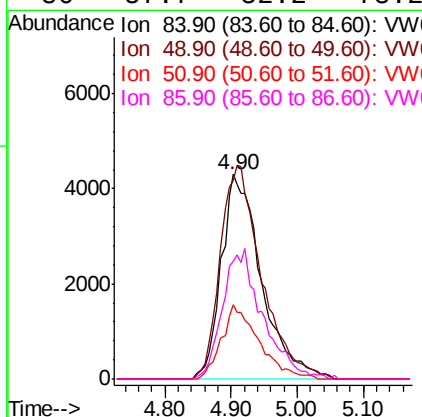
Instrument :
MSVOA_W
ClientSampled :

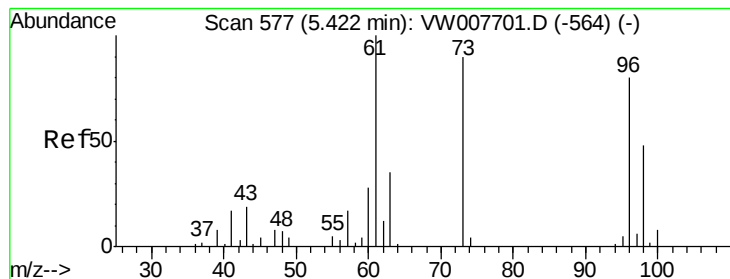
Tot Ion: 73 Resp: 25082
Ion Ratio Lower Upper
73 100
57 19.5 14.7 22.1



#20
Methylene Chloride
Concen: 18.201 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Tgt Ion: 84 Resp: 18022
Ion Ratio Lower Upper
84 100
49 97.3 83.7 125.5
51 36.5 28.2 42.2
86 57.7 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 19.220 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Instrument :

MSVOA_W

ClientSampled :

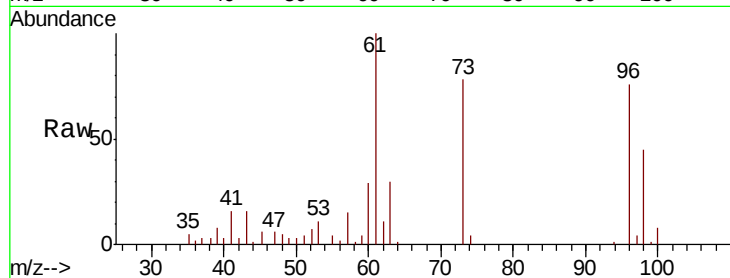
Tot Ion: 96 Resp: 16486

Ion Ratio Lower Upper

96 100

61 131.3 100.1 150.1

98 58.9 48.5 72.7

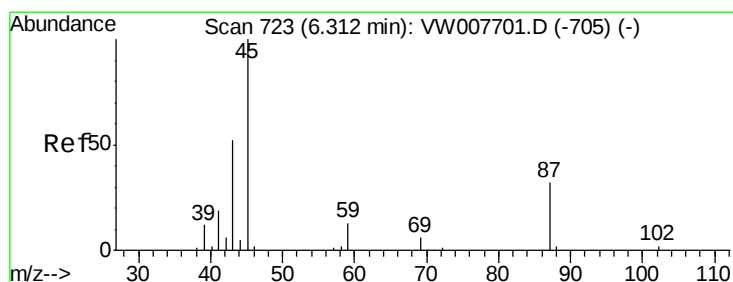
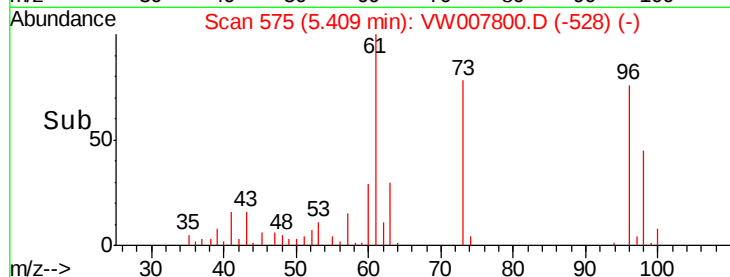
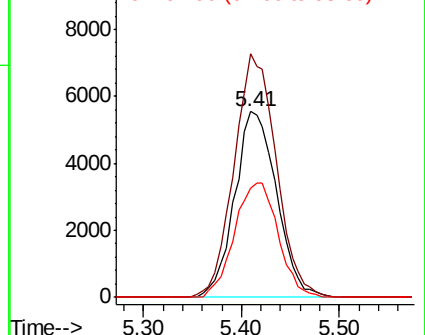


Abundance

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: 21.109 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Tgt Ion: 45 Resp: 40426

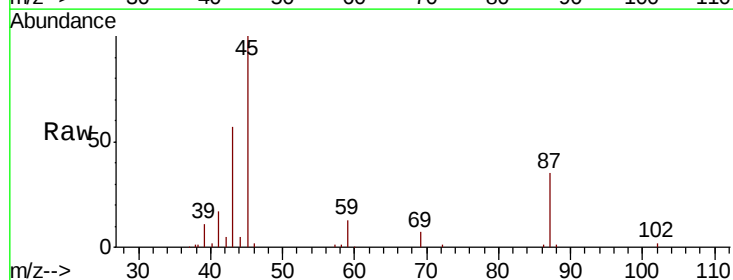
Ion Ratio Lower Upper

45 100

43 56.6 43.7 65.5

87 35.1 26.6 40.0

59 12.7 10.2 15.2



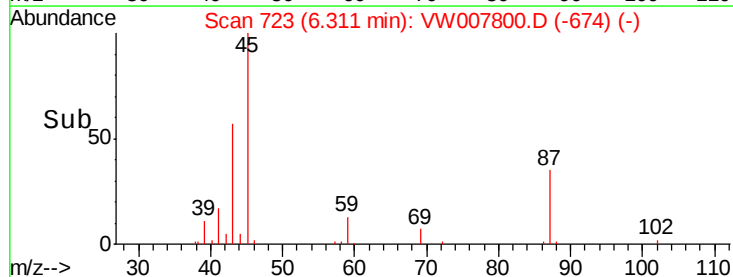
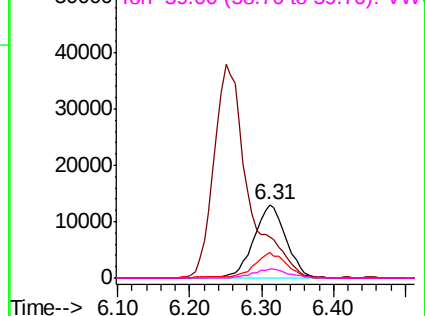
Abundance

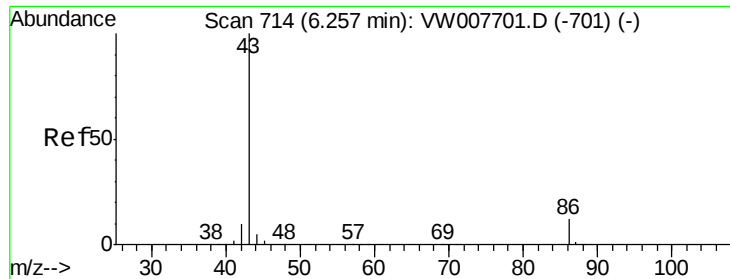
Ion 45.00 (44.70 to 45.70): VW

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: 110.234 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Instrument :

MSVOA_W

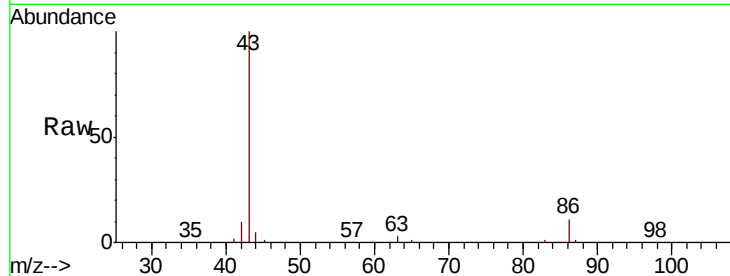
ClientSampled :

Tot Ion: 43 Resp: 125425

Ion Ratio Lower Upper

43 100

86 10.9 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

40000

30000

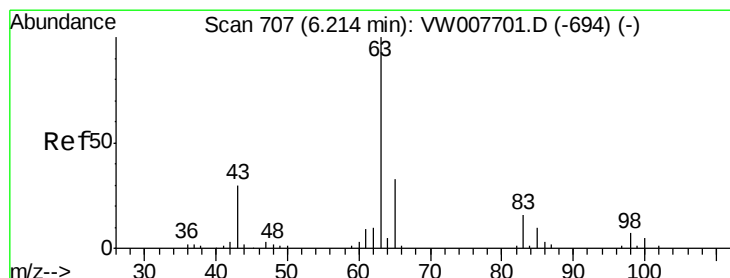
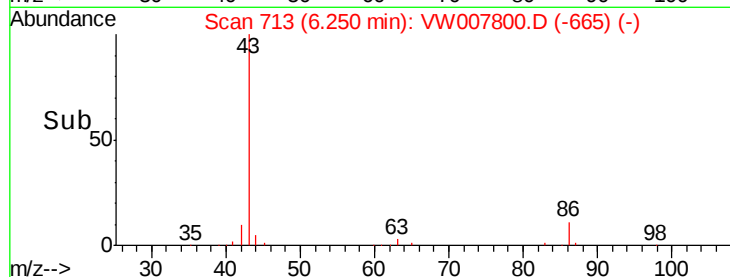
20000

10000

0

6.10 6.20 6.30 6.40

Time-->



#24

1,1-Dichloroethane

Concen: 19.921 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

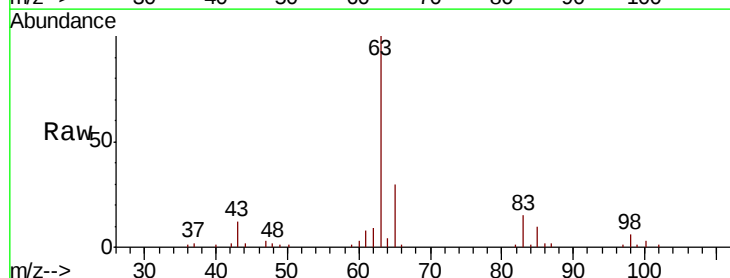
Tgt Ion: 63 Resp: 28066

Ion Ratio Lower Upper

63 100

98 5.9 3.6 10.9

100 3.4 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

12000

10000

8000

6000

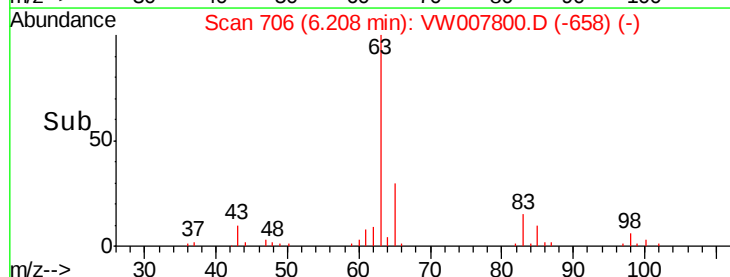
4000

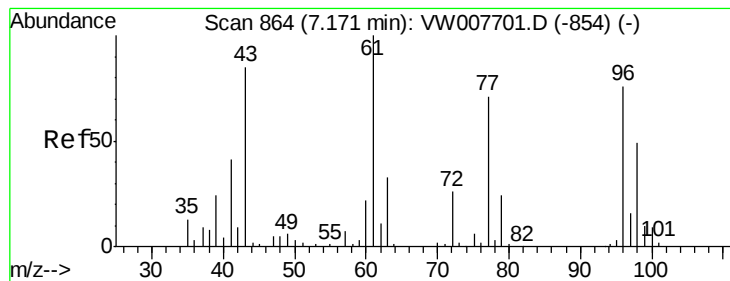
2000

0

6.10 6.20 6.30

Time-->





#25

2-Butanone

Concen: 112.762 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Instrument :

MSVOA_W

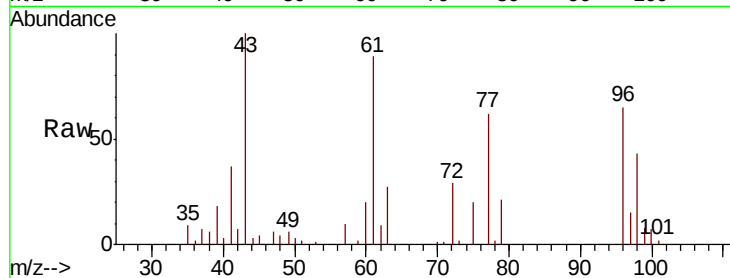
ClientSampled :

Tot Ion: 43 Resp: 21429

Ion Ratio Lower Upper

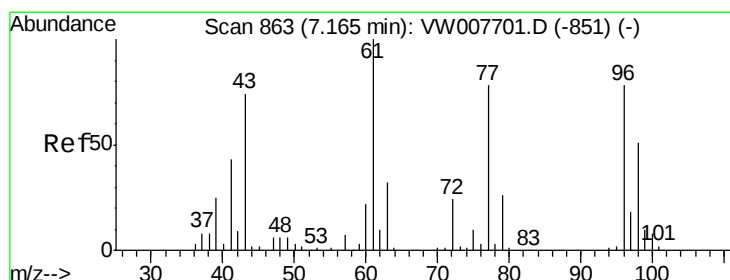
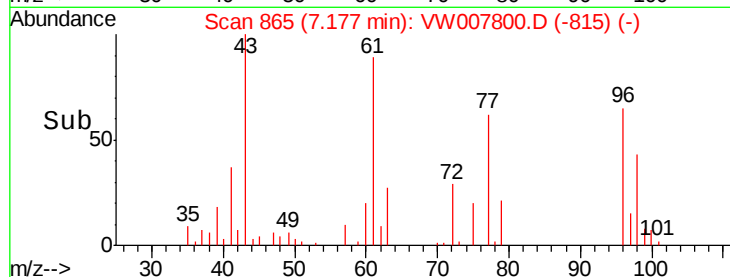
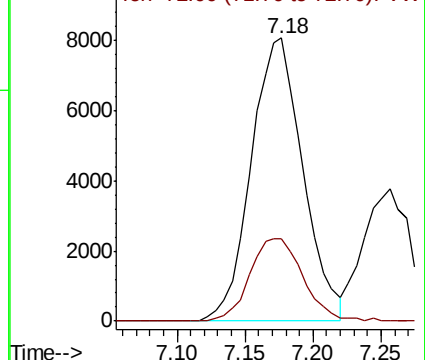
43 100

72 28.9 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: 18.970 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW007800.D

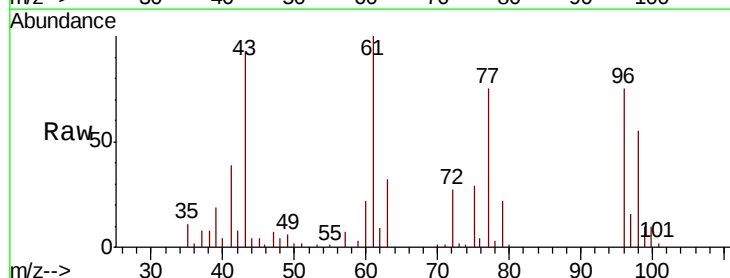
Acq: 21 Dec 2018 17:38

Tgt Ion: 77 Resp: 19557

Ion Ratio Lower Upper

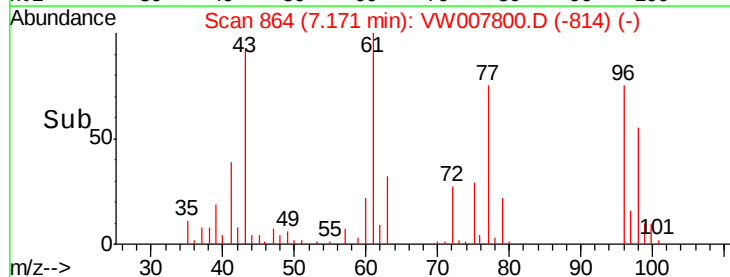
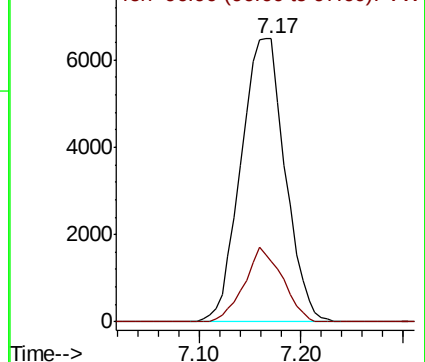
77 100

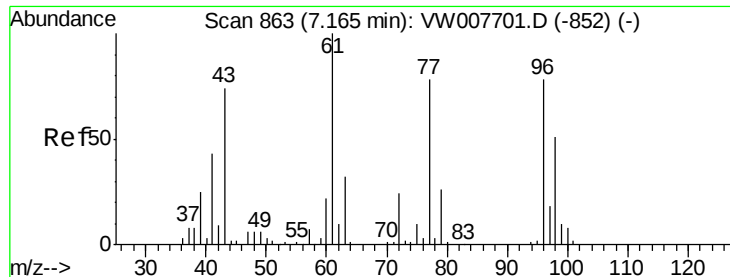
97 22.7 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



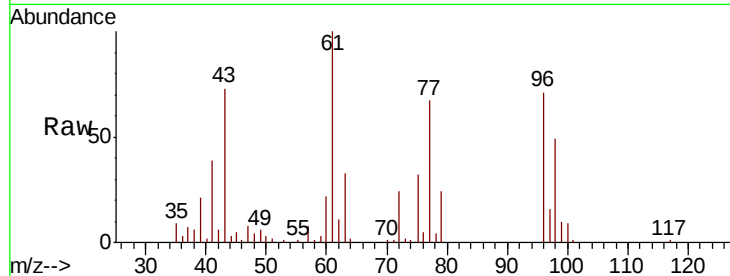


#27

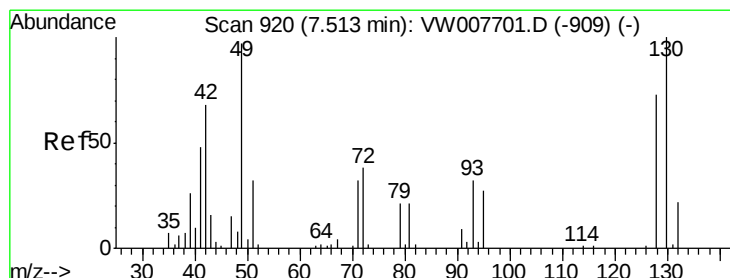
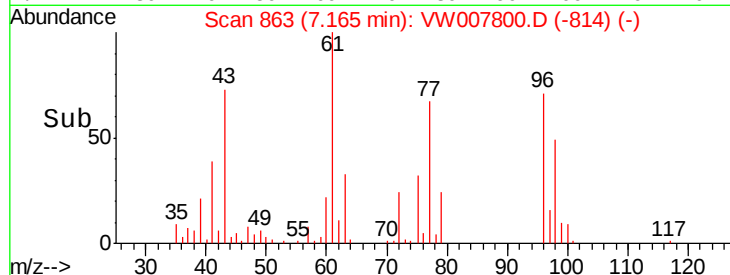
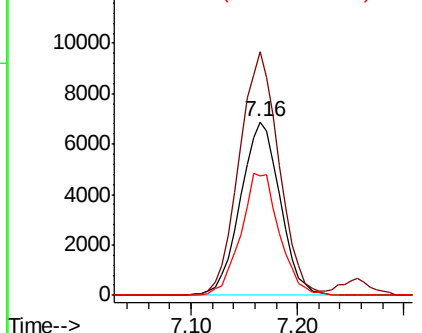
cis-1,2-Dichloroethene
Concen: 19.620 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 96 Resp: 17930
Ion Ratio Lower Upper
96 100
61 141.6 0.0 271.6
98 68.3 0.0 131.2



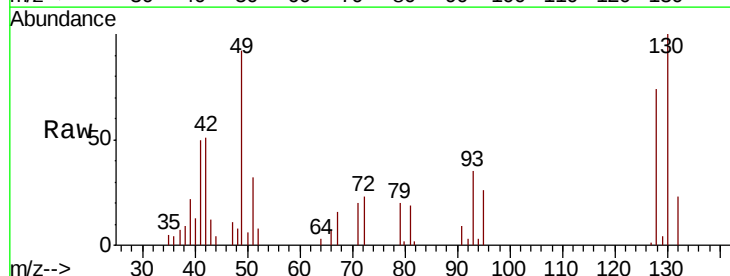
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



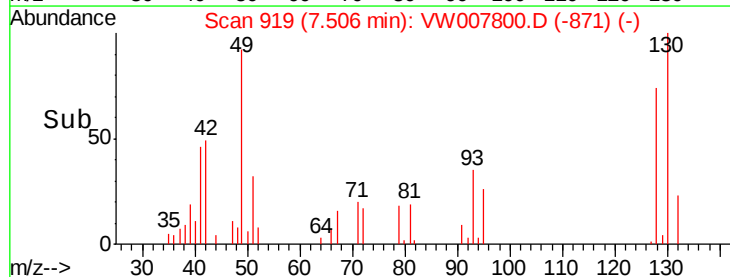
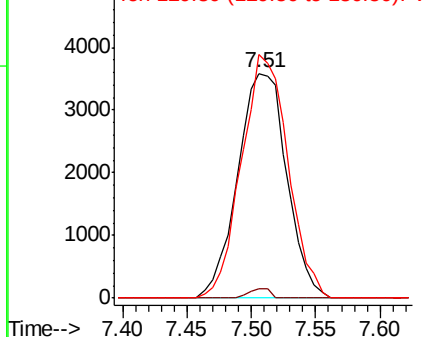
#28

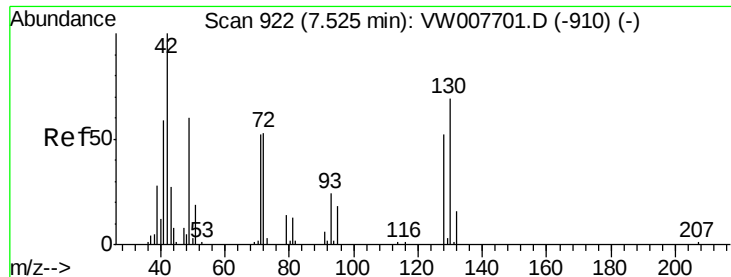
Bromochloromethane
Concen: 19.694 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Tgt Ion: 49 Resp: 9460
Ion Ratio Lower Upper
49 100
129 1.8 0.0 2.2
130 102.6 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

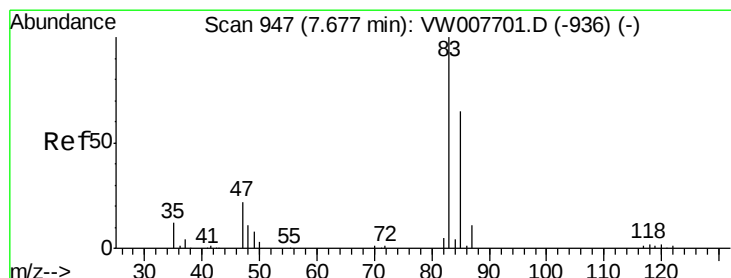
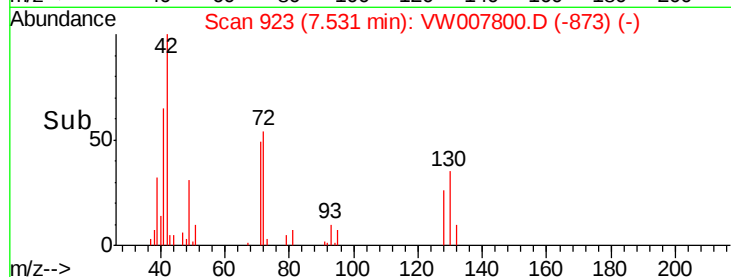
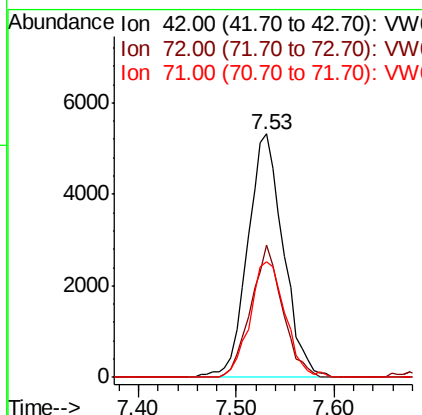
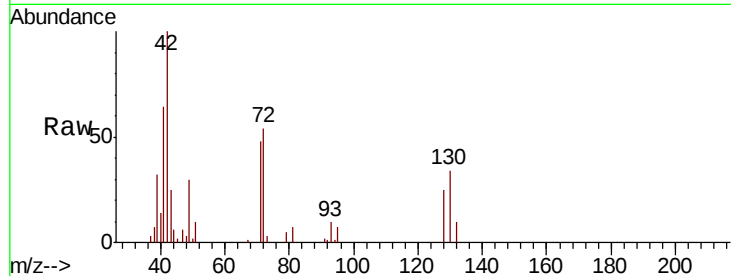




#29
Tetrahydrofuran
Concen: 118.293 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

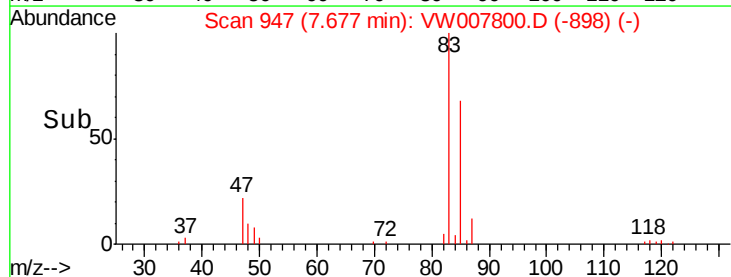
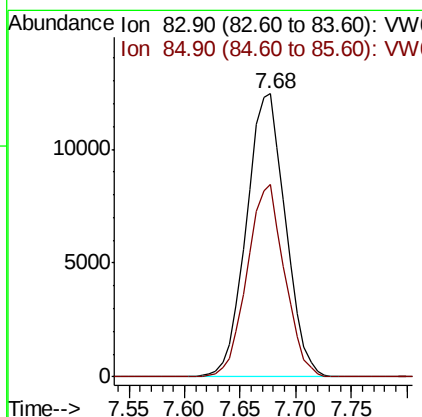
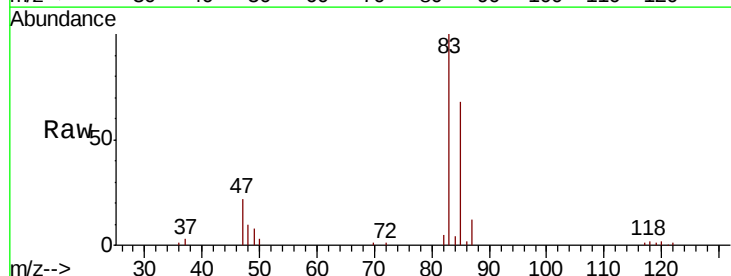
Instrument :
MSVOA_W
ClientSampled :

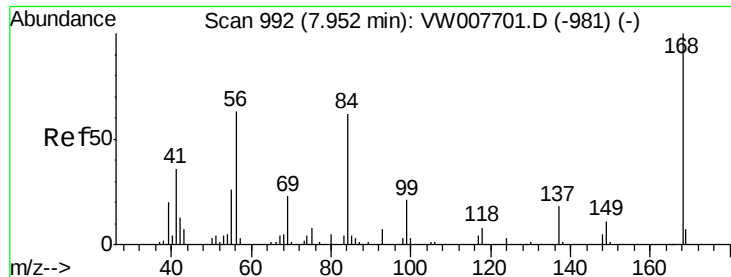
Tot Ion: 42 Resp: 13409
Ion Ratio Lower Upper
42 100
72 48.3 41.7 62.5
71 47.2 39.0 58.6



#30
Chloroform
Concen: 19.050 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Tgt Ion: 83 Resp: 30373
Ion Ratio Lower Upper
83 100
85 68.2 52.2 78.2

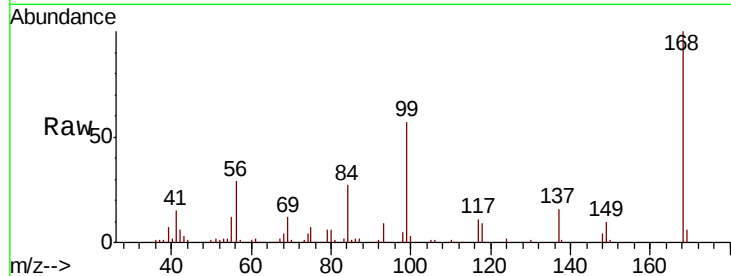




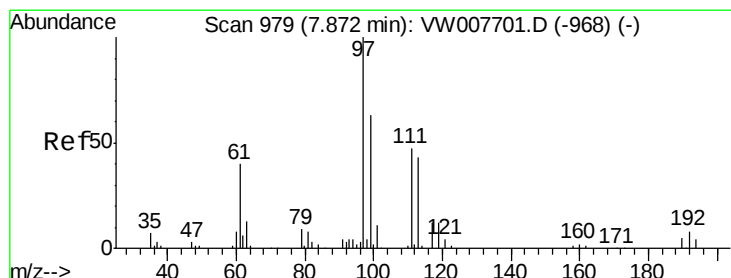
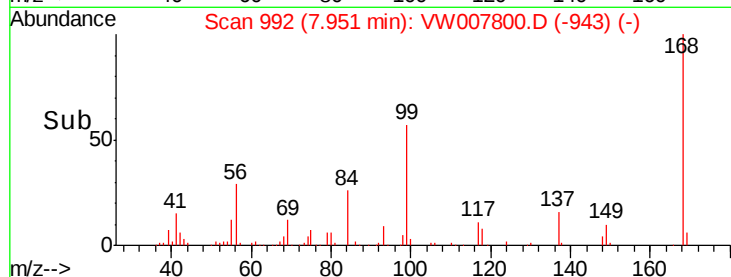
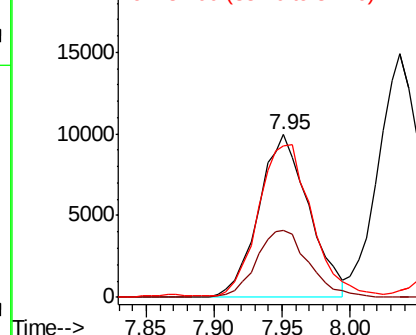
#31
Cyclohexane
Concen: 19.915 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 25686
Ion Ratio Lower Upper
56 100
69 40.8 29.7 44.5
84 91.7 78.9 118.3

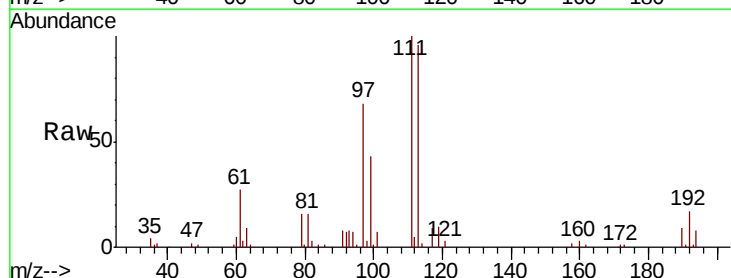


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

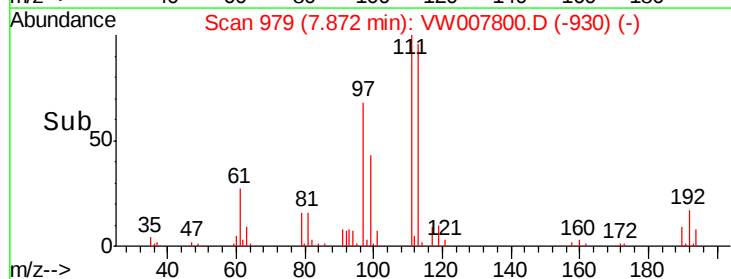
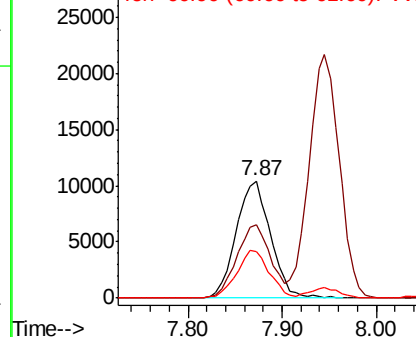


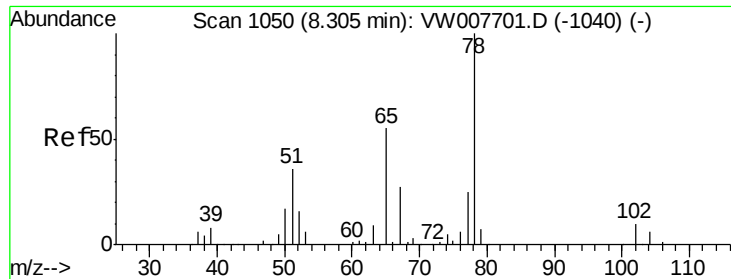
#32
1,1,1-Trichloroethane
Concen: 18.180 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Tgt Ion: 97 Resp: 26399
Ion Ratio Lower Upper
97 100
99 61.7 50.6 76.0
61 39.1 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

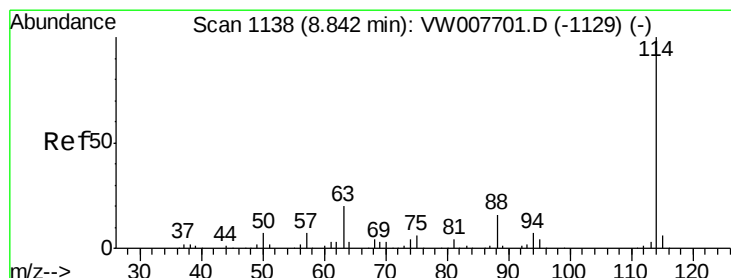
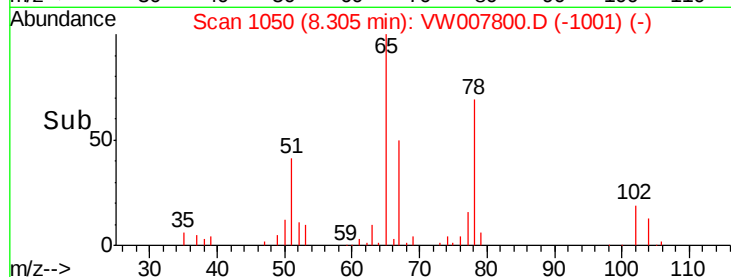
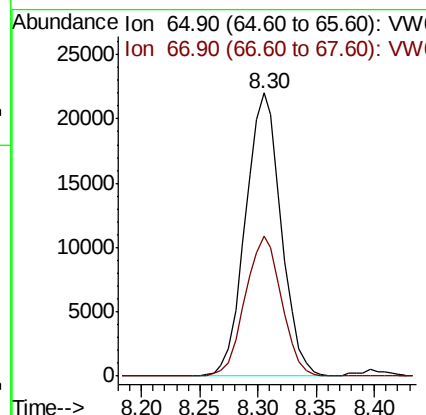
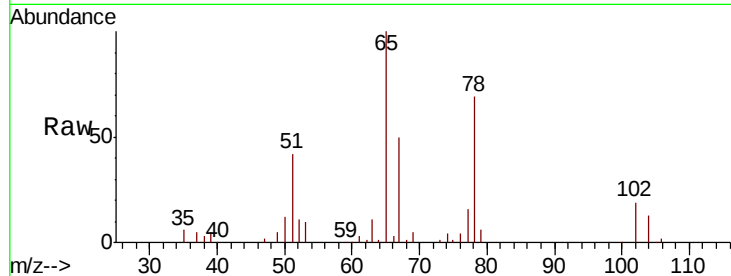




#33
 1,2-Dichloroethane-d4
 Concen: 54.286 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007800.D
 Acq: 21 Dec 2018 17:38

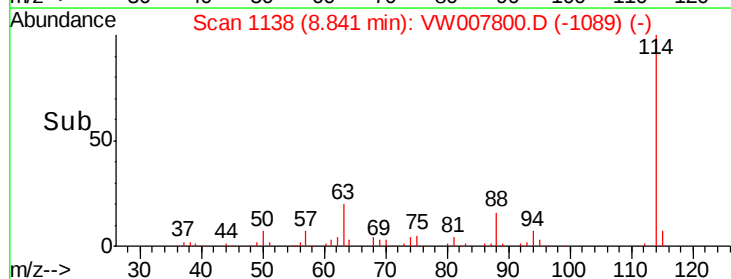
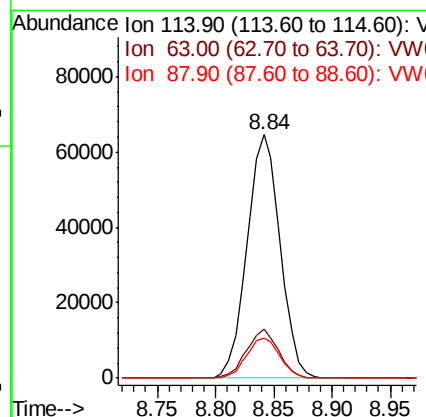
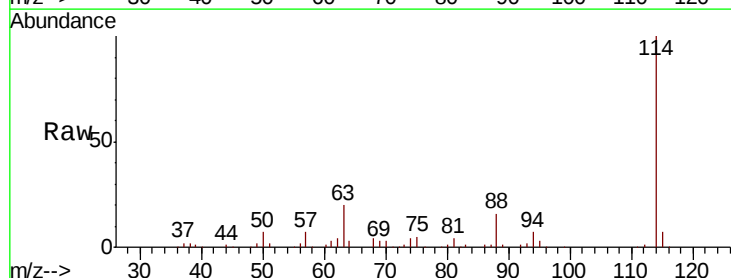
Instrument :
 MSVOA_W
 ClientSampleId :

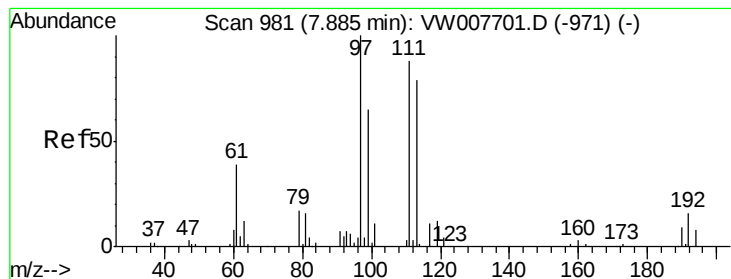
Tot Ion: 65 Resp: 47035
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007800.D
 Acq: 21 Dec 2018 17:38

Tgt Ion: 114 Resp: 127797
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.0
 88 16.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 54.572 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Instrument :

MSVOA_W

ClientSampled :

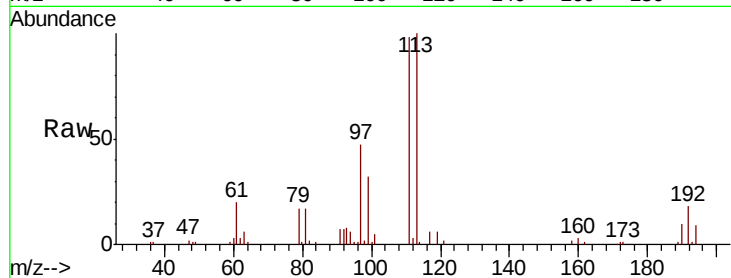
Tot Ion:113 Resp: 42546

Ion Ratio Lower Upper

113 100

111 101.8 82.6 124.0

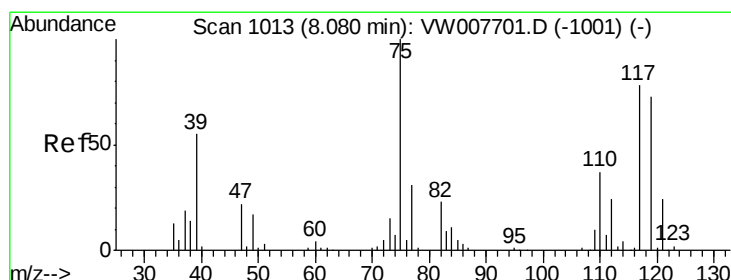
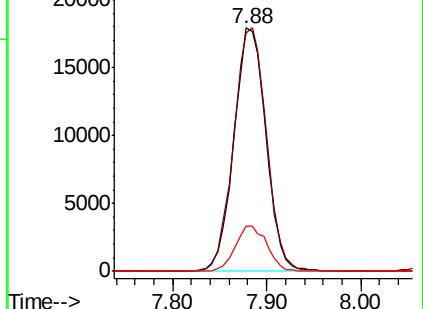
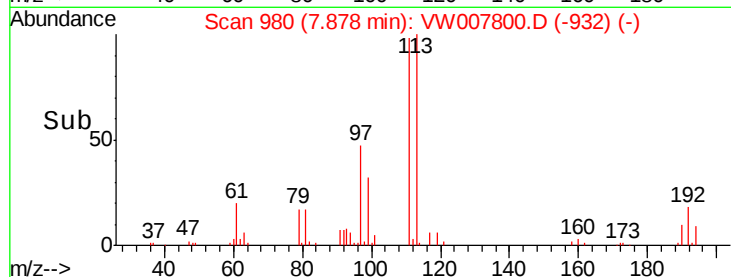
192 18.2 15.5 23.3



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: 19.723 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

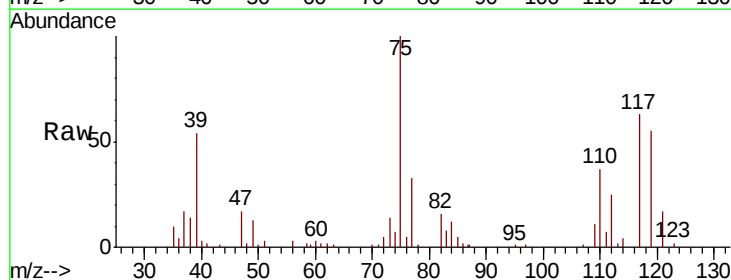
Tgt Ion: 75 Resp: 24328

Ion Ratio Lower Upper

75 100

110 36.7 18.6 55.8

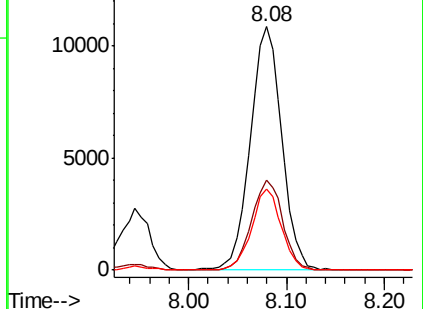
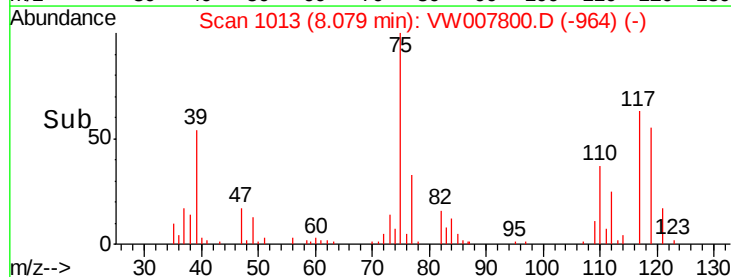
77 31.5 25.0 37.4

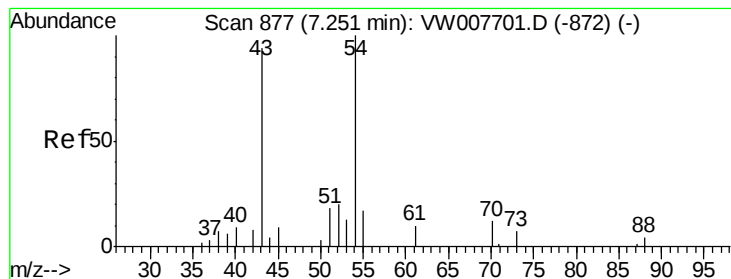


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 20.900 ug/l

RT: 7.26 min Scan# 878

Delta R.T. 0.01 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Instrument :

MSVOA_W

ClientSampled :

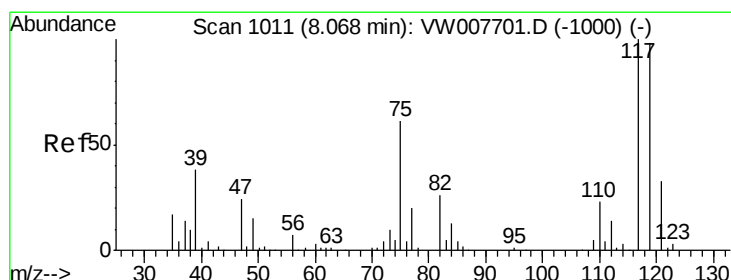
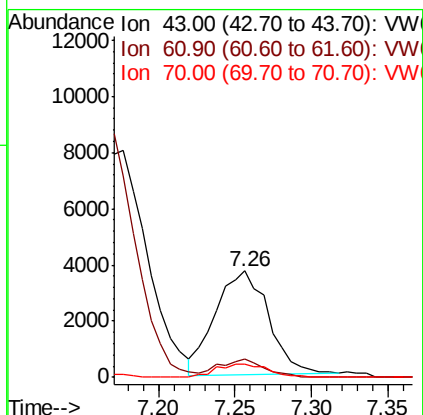
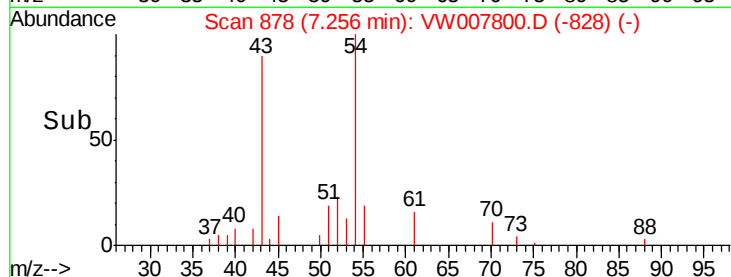
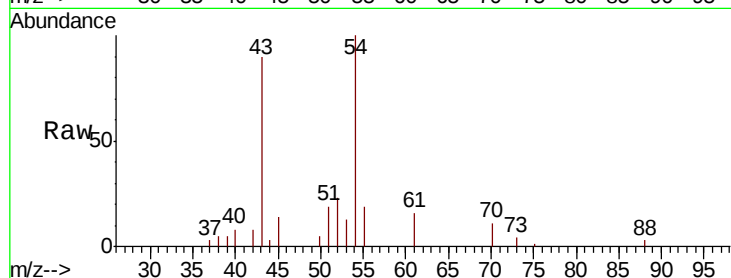
Tot Ion: 43 Resp: 8897

Ion Ratio Lower Upper

43 100

61 15.1 11.2 16.8

70 12.9 9.3 13.9



#38

Carbon Tetrachloride

Concen: 16.795 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

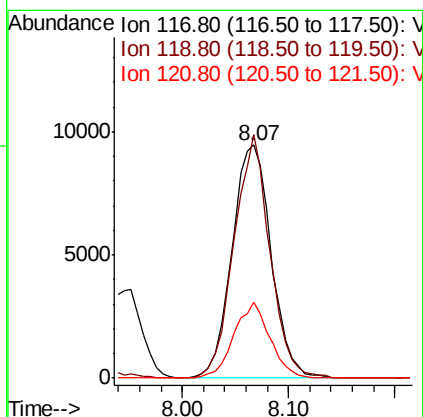
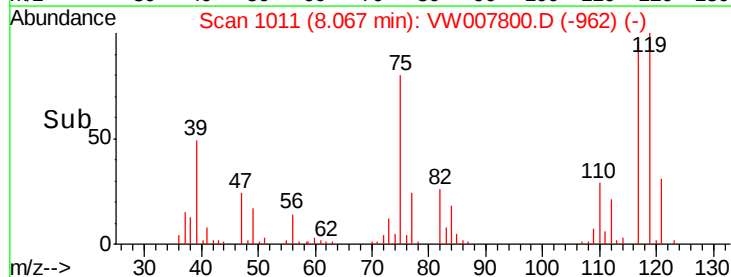
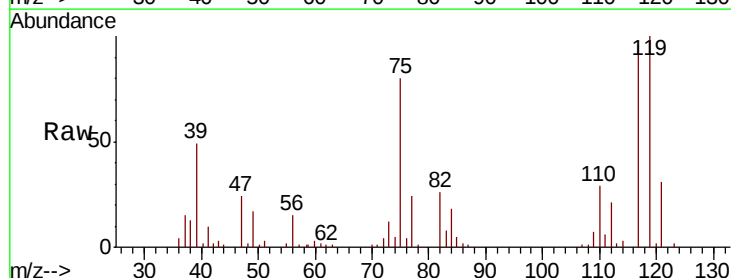
Tgt Ion: 117 Resp: 24397

Ion Ratio Lower Upper

117 100

119 104.5 78.2 117.2

121 32.9 26.1 39.1

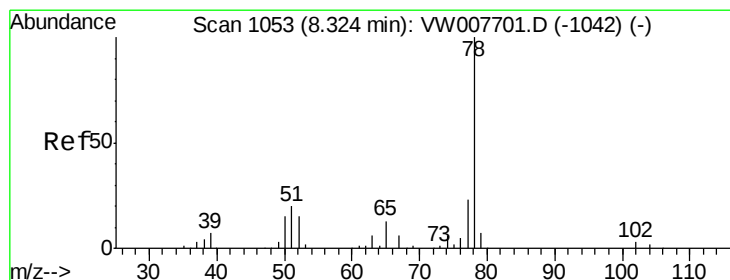
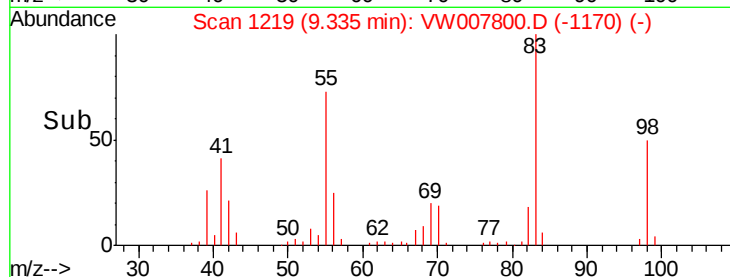
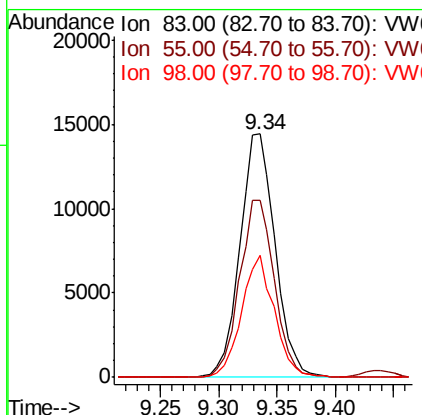
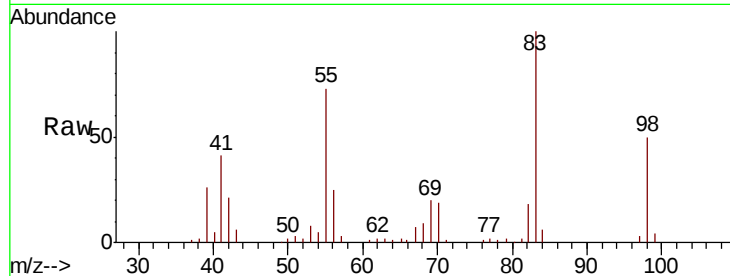




#39
Methvlcvclohexane
Concen: 19.807 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

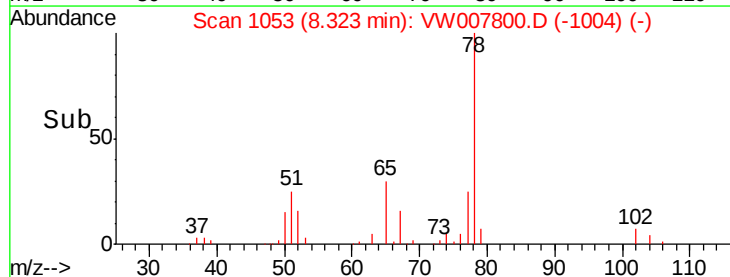
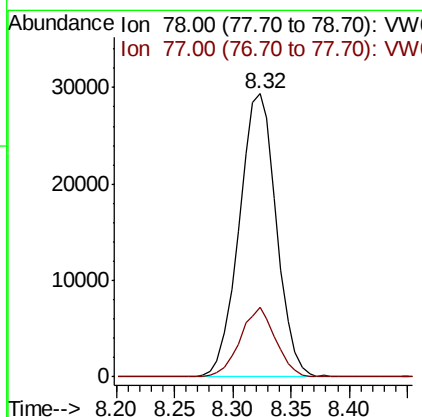
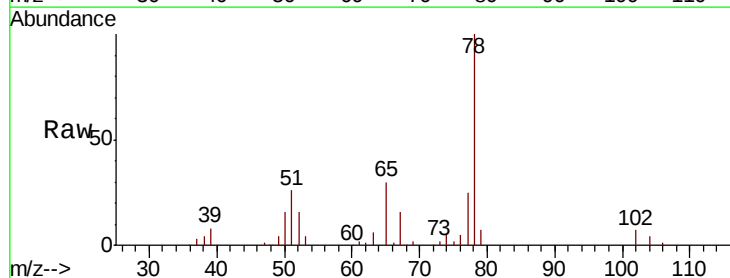
Instrument :
MSVOA_W
ClientSampleId :

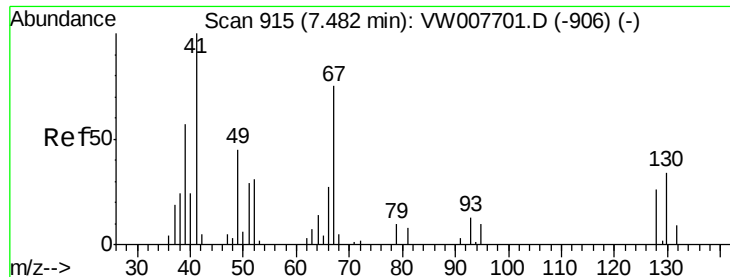
Tot Ion: 83 Resp: 30359
Ion Ratio Lower Upper
83 100
55 72.5 57.2 85.8
98 50.0 38.6 58.0



#40
Benzene
Concen: 19.837 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Tgt Ion: 78 Resp: 65294
Ion Ratio Lower Upper
78 100
77 24.8 18.7 28.1

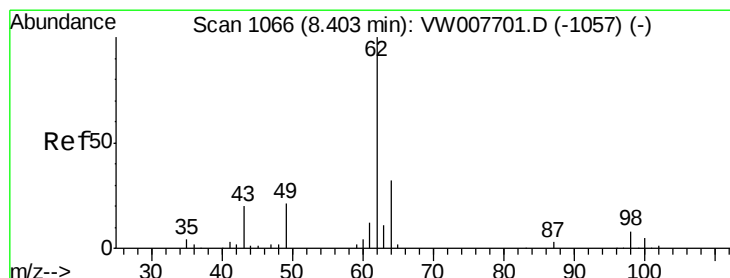
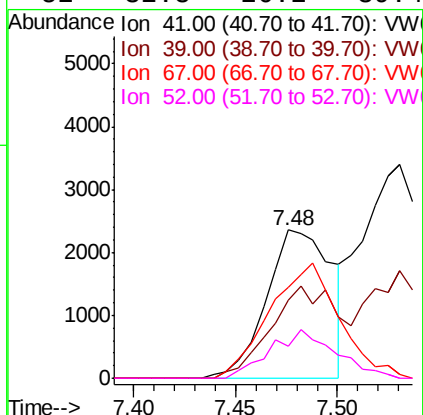
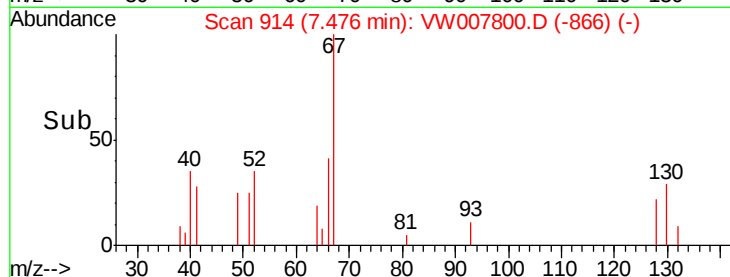
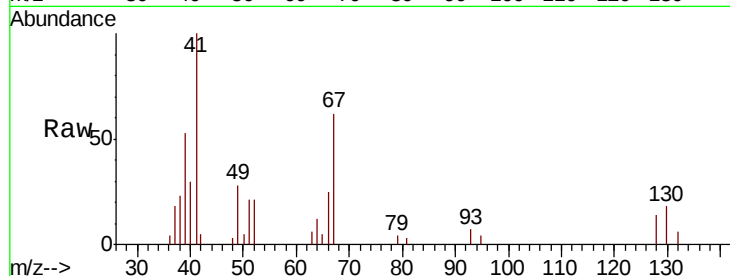




#41
Methacrylonitrile
Concen: 21.822 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

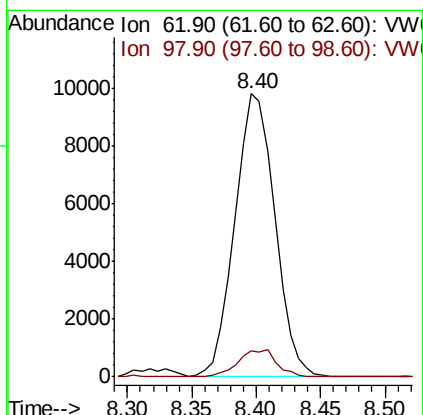
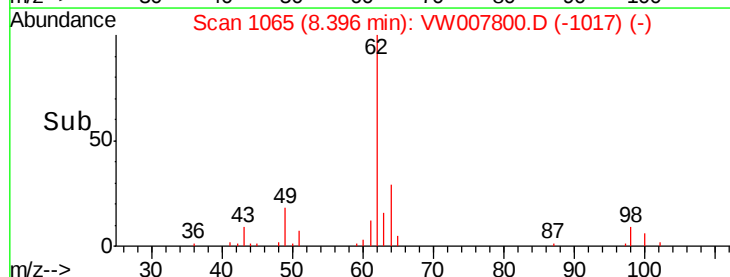
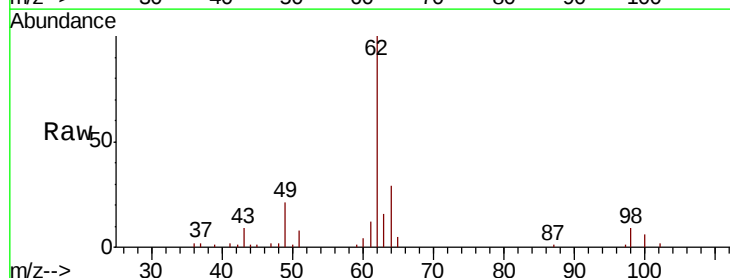
Instrument :
MSVOA_W
ClientSampled :

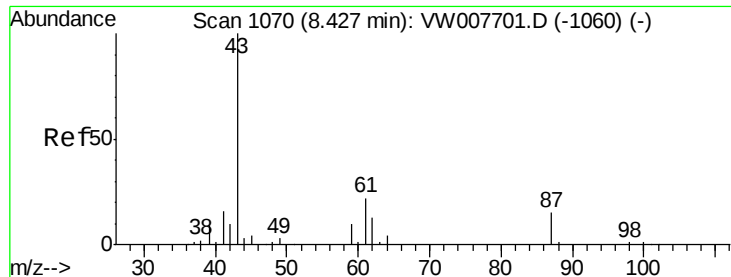
Tot Ion:	41	Resp:	5274
Ion	Ratio	Lower	Upper
41	100		
39	64.5	54.2	81.4
67	82.9	65.7	98.5
52	32.8	26.2	39.4



#42
1,2-Dichloroethane
Concen: 19.200 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Tgt Ion:	62	Resp:	21178
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	16.6





#43

Isopropyl Acetate

Concen: 22.552 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Instrument :

MSVOA_W

ClientSampled :

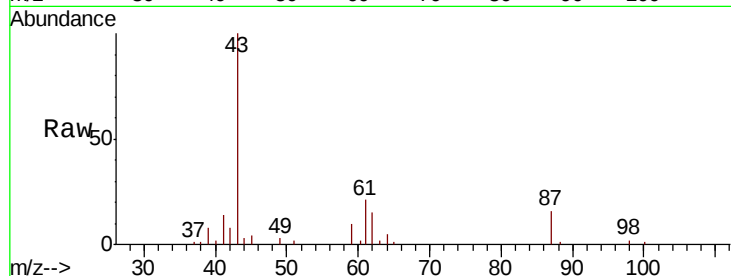
Tot Ion: 43 Resp: 19233

Ion Ratio Lower Upper

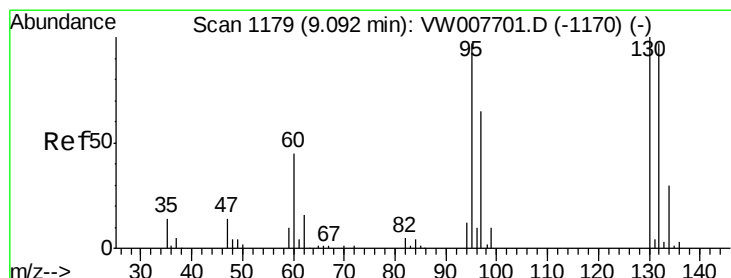
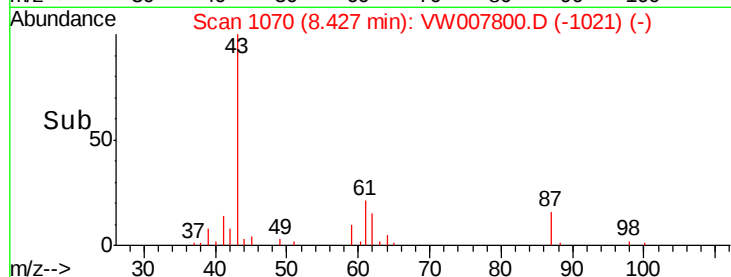
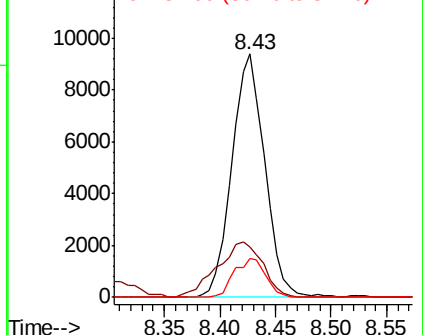
43 100

61 31.4 26.3 39.5

87 15.4 12.0 18.0



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



#44

Trichloroethene

Concen: 18.752 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007800.D

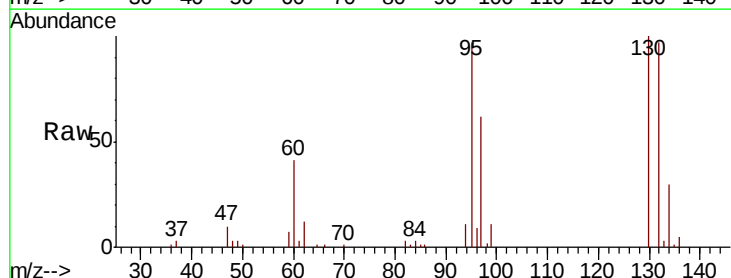
Acq: 21 Dec 2018 17:38

Tgt Ion: 130 Resp: 18666

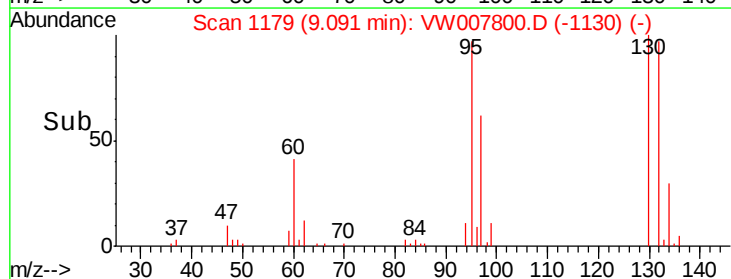
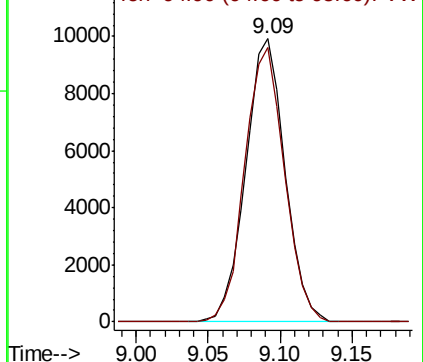
Ion Ratio Lower Upper

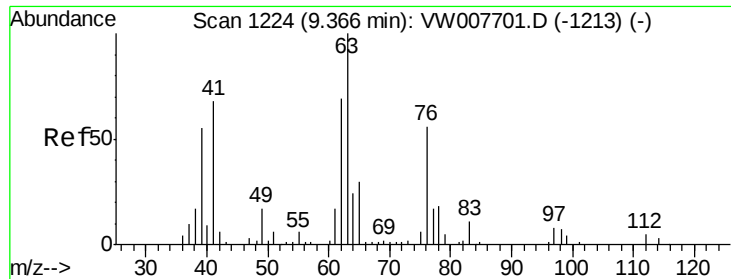
130 100

95 96.8 0.0 194.8



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

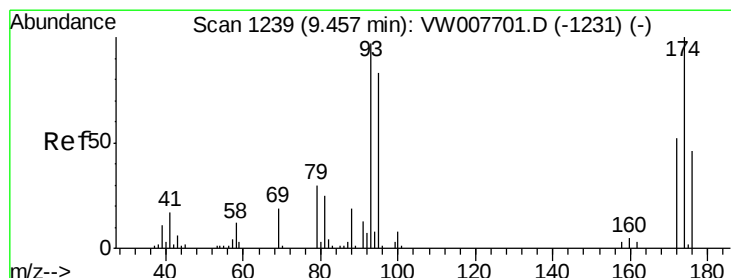
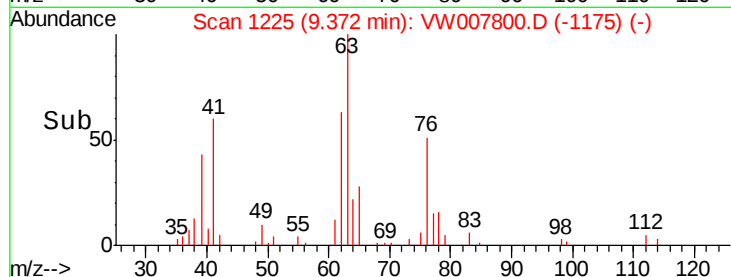
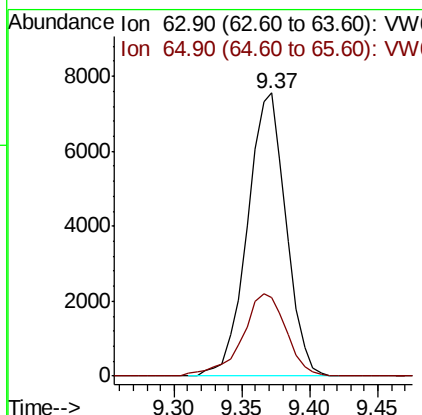
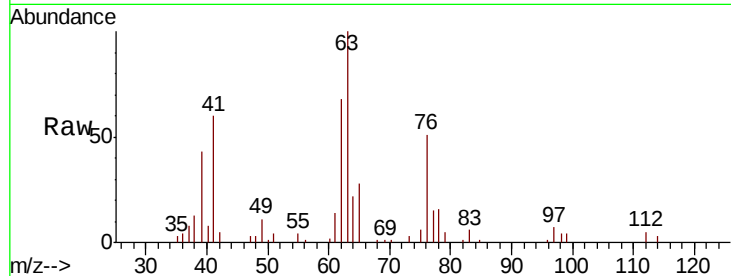




#45
 1,2-Dichloropropane
 Concen: 20.535 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW007800.D
 Acq: 21 Dec 2018 17:38

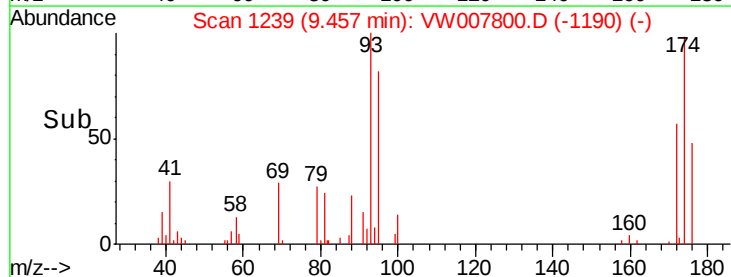
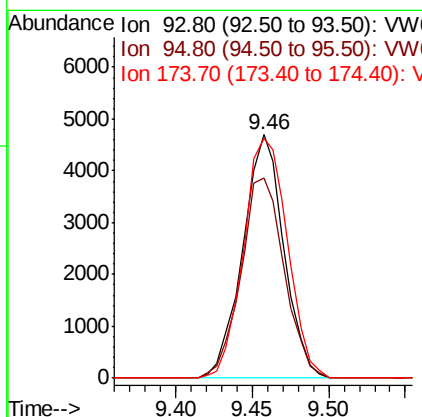
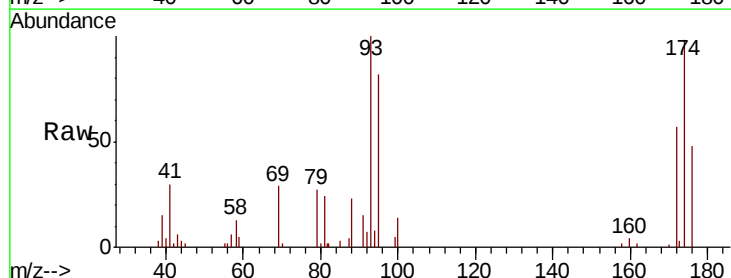
Instrument :
 MSVOA_W
 ClientSampled :

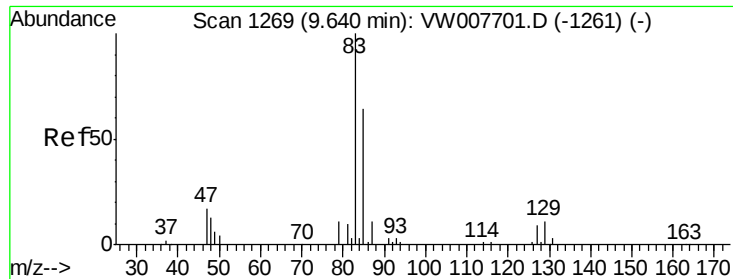
Tot Ion: 63 Resp: 14998
 Ion Ratio Lower Upper
 63 100
 65 27.9 23.8 35.8



#46
 Dibromomethane
 Concen: 19.429 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW007800.D
 Acq: 21 Dec 2018 17:38

Tgt Ion: 93 Resp: 8735
 Ion Ratio Lower Upper
 93 100
 95 86.7 67.5 101.3
 174 105.5 83.9 125.9

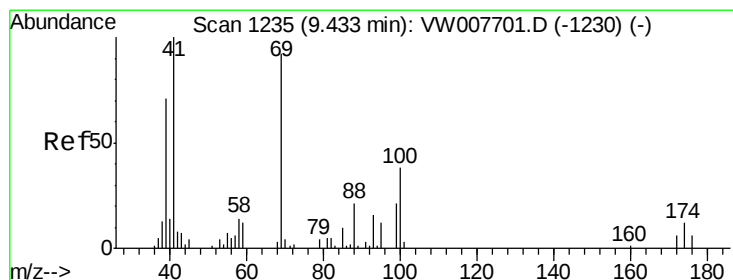
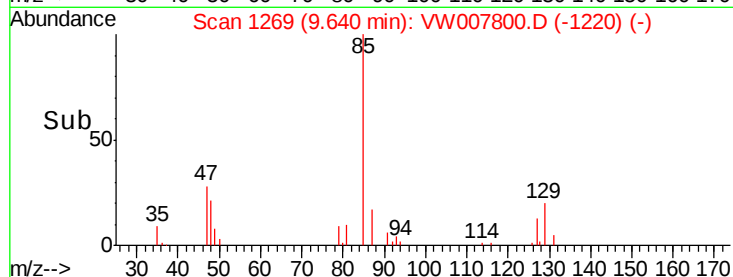
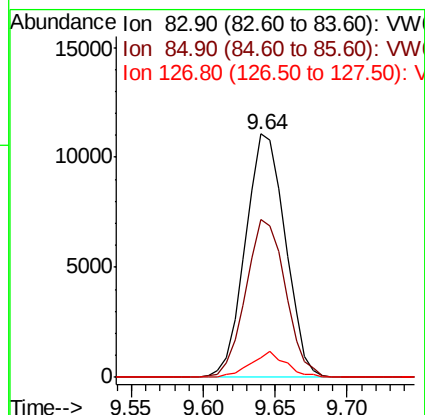
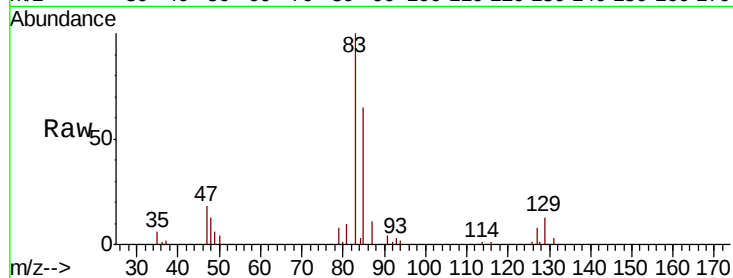




#47
Bromodichloromethane
Concen: 17.926 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

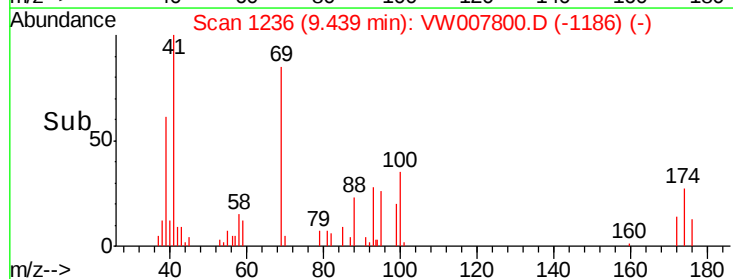
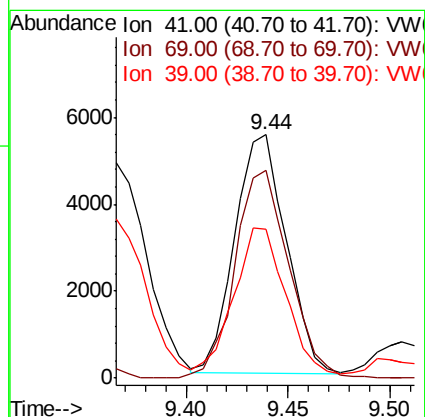
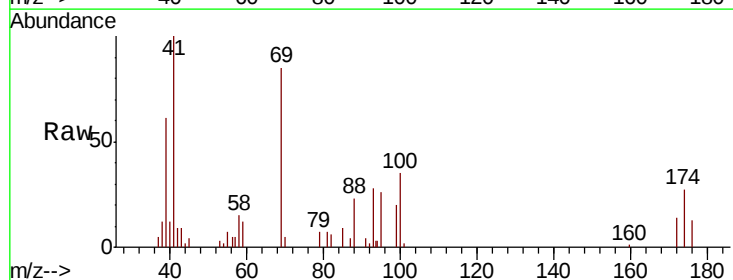
Instrument :
MSVOA_W
ClientSampled :

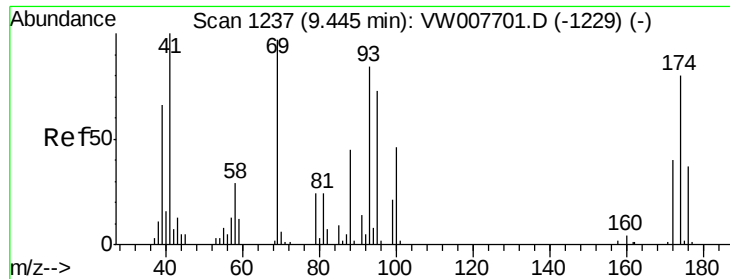
Tot Ion: 83 Resp: 21187
Ion Ratio Lower Upper
83 100
85 64.9 51.4 77.0
127 8.2 7.5 11.3



#48
Methyl methacrylate
Concen: 22.582 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Tgt Ion: 41 Resp: 9613
Ion Ratio Lower Upper
41 100
69 91.2 74.2 111.2
39 61.5 53.9 80.9

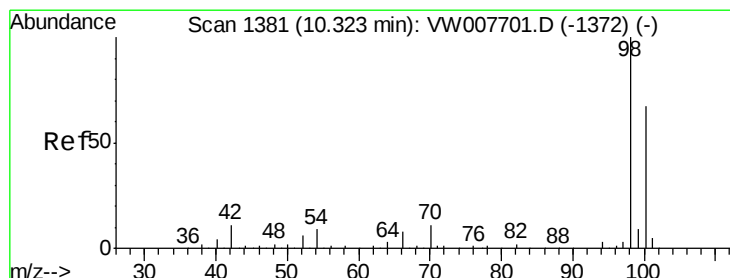
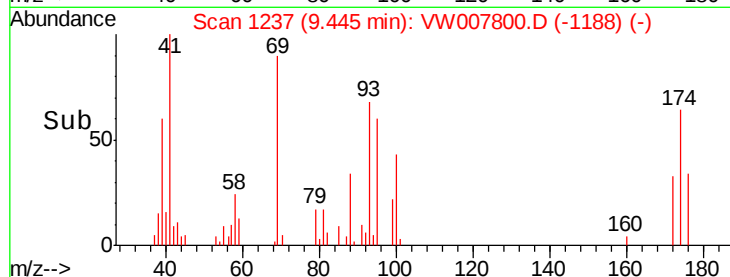
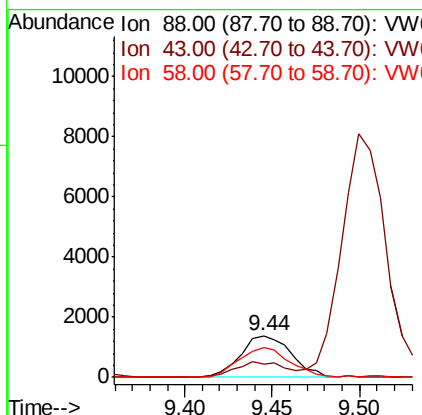
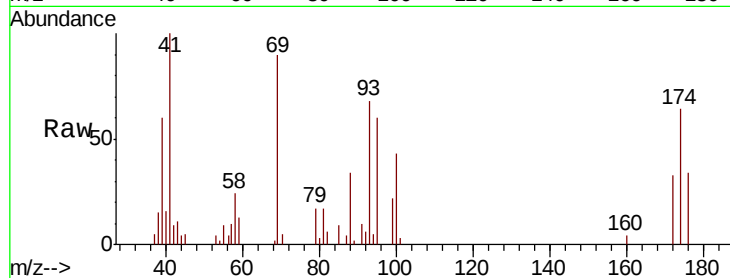




#49
 1,4-Dioxane
 Concen: 390.435 ug/l
 RT: 9.44 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VW007800.D
 Acq: 21 Dec 2018 17:38

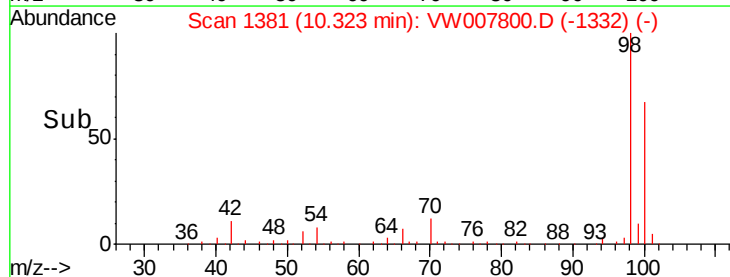
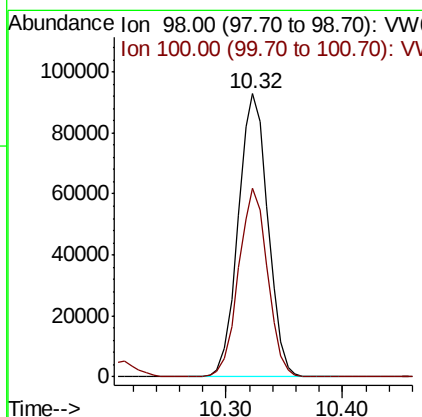
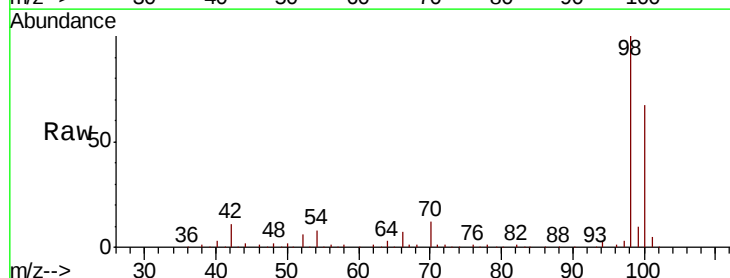
Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 88 Resp: 2783
 Ion Ratio Lower Upper
 88 100
 43 36.5 25.6 38.4
 58 71.4 52.3 78.5



#50
 Toluene-d8
 Concen: 56.015 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW007800.D
 Acq: 21 Dec 2018 17:38

Tgt Ion: 98 Resp: 164634
 Ion Ratio Lower Upper
 98 100
 100 65.1 52.2 78.2

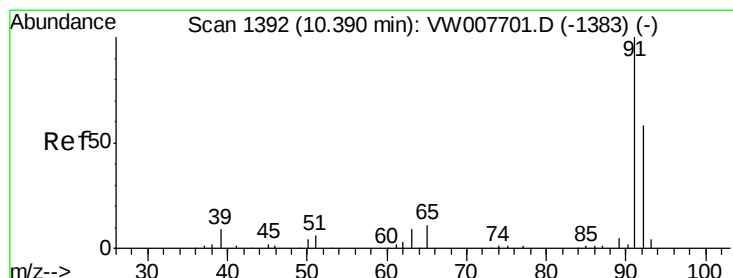
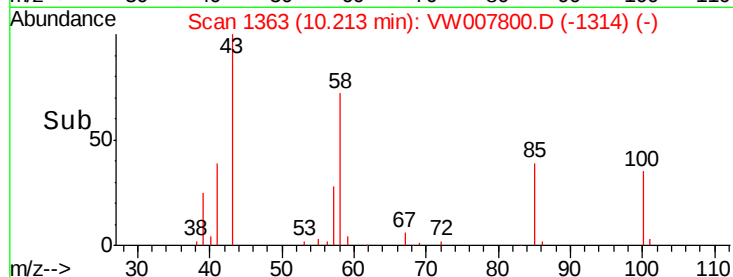
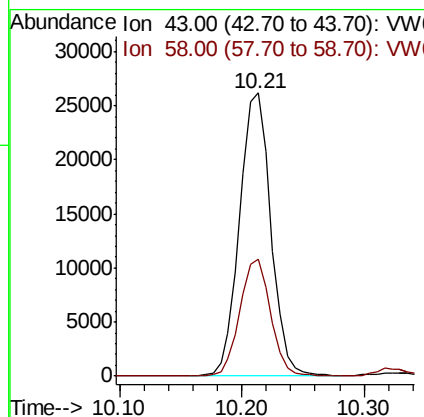
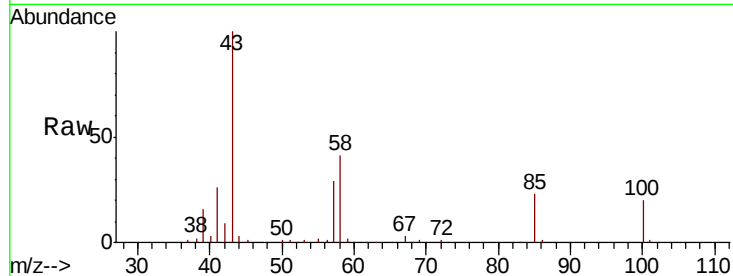




#51
4-Methyl-2-Pentanone
Concen: 115.099 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

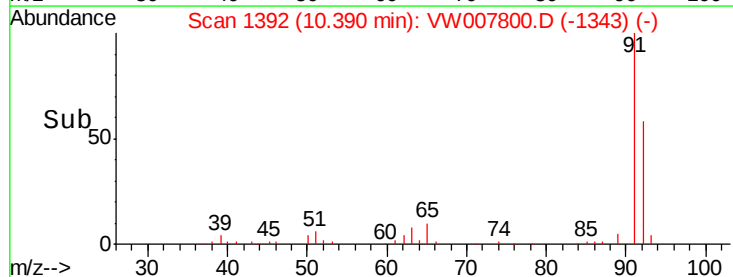
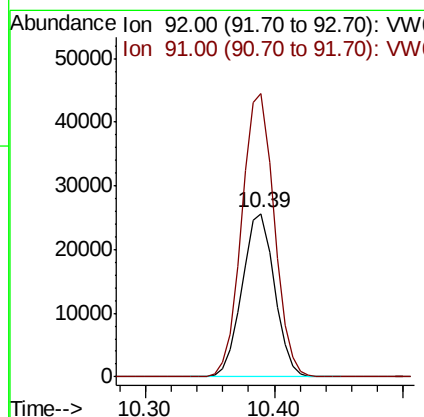
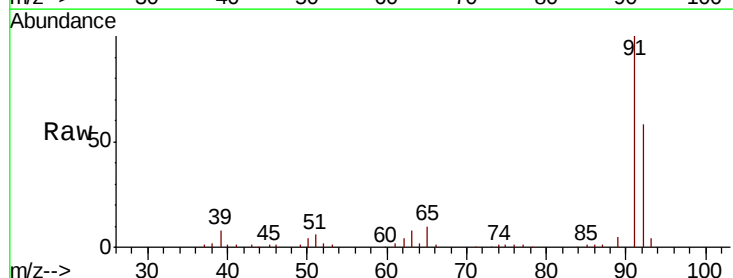
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 46391
Ion Ratio Lower Upper
43 100
58 40.5 33.2 49.8



#52
Toluene
Concen: 20.172 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Tgt Ion: 92 Resp: 44547
Ion Ratio Lower Upper
92 100
91 173.9 137.0 205.4





#53

t-1,3-Dichloropropene

Concen: 20.140 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Instrument :

MSVOA_W

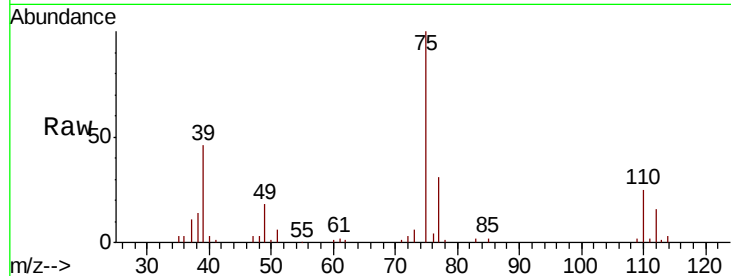
ClientSampled :

Tot Ion: 75 Resp: 23677

Ion Ratio Lower Upper

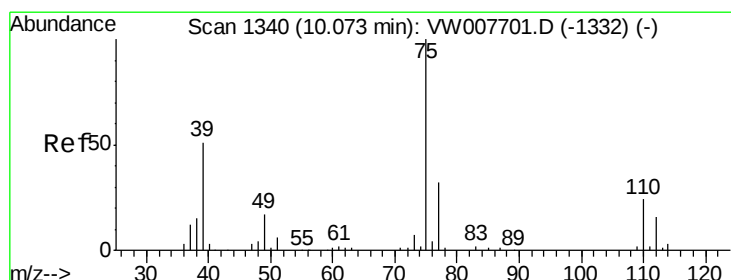
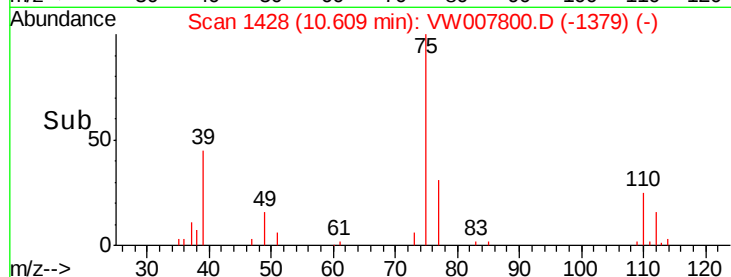
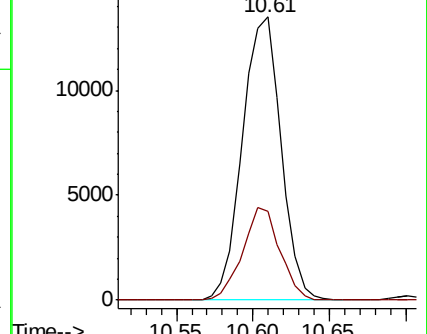
75 100

77 31.2 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: 20.045 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

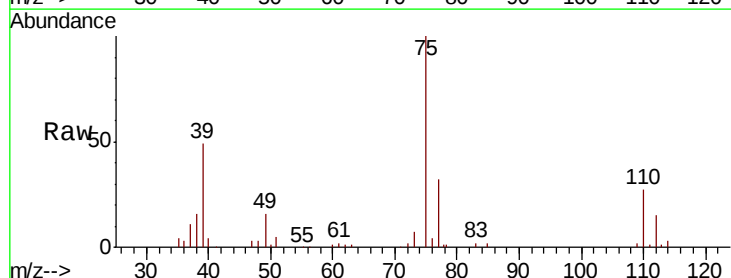
Tgt Ion: 75 Resp: 26029

Ion Ratio Lower Upper

75 100

77 31.7 25.5 38.3

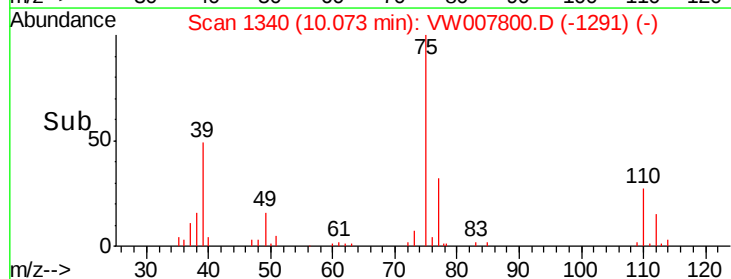
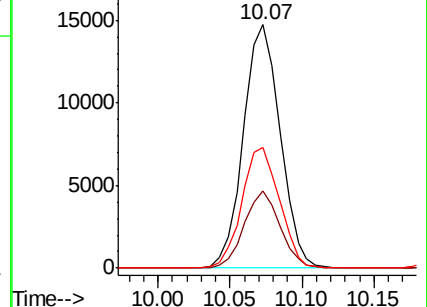
39 49.4 41.2 61.8

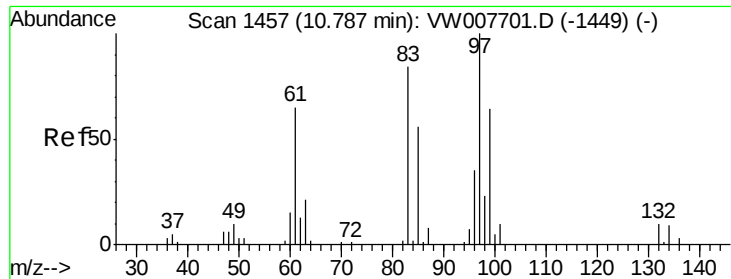


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

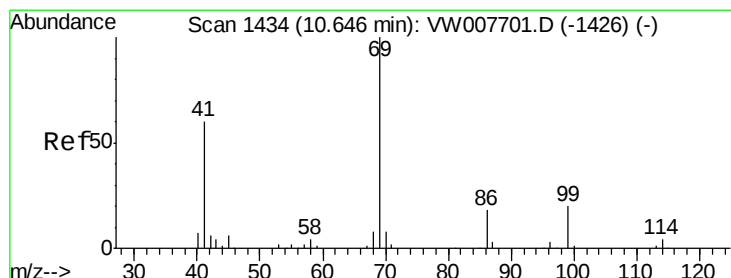
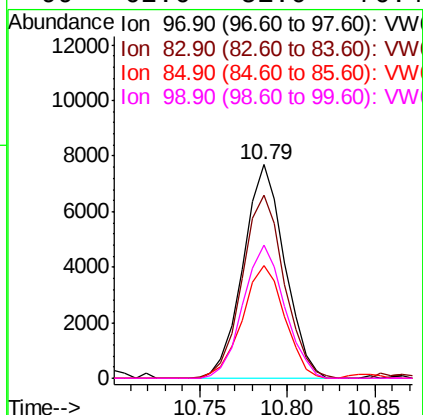
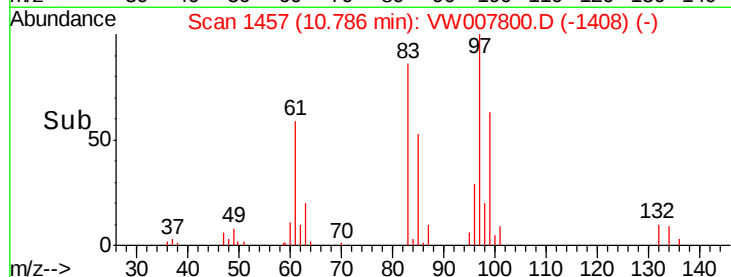
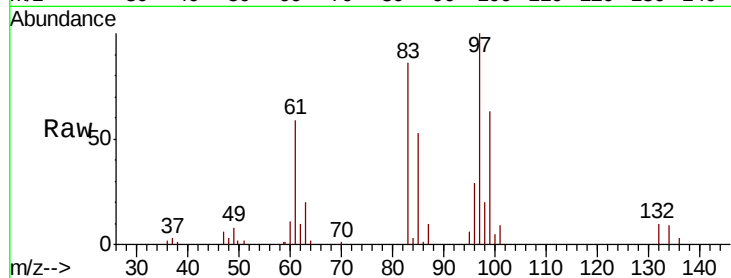




#55
 1,1,2-Trichloroethane
 Concen: 20.439 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW007800.D
 Acq: 21 Dec 2018 17:38

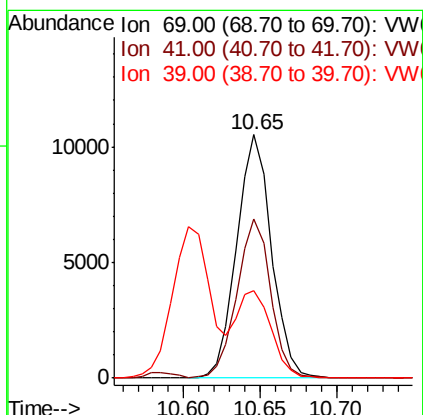
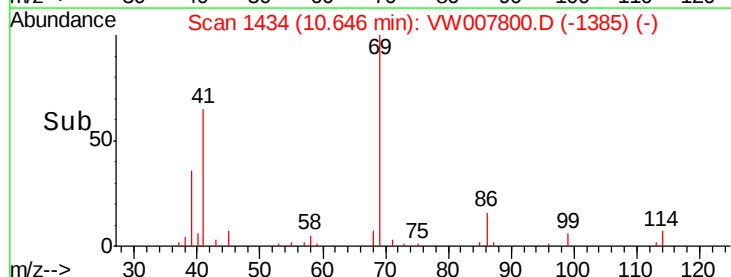
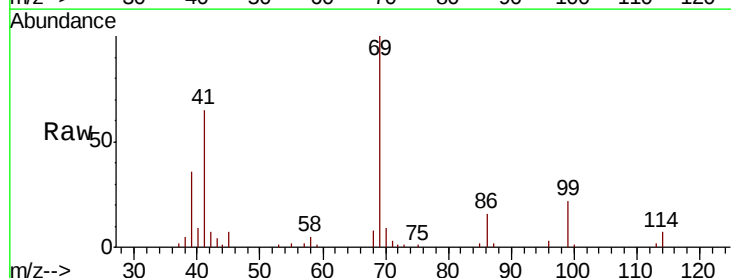
Instrument :
 MSVOA_W
 ClientSampleId :

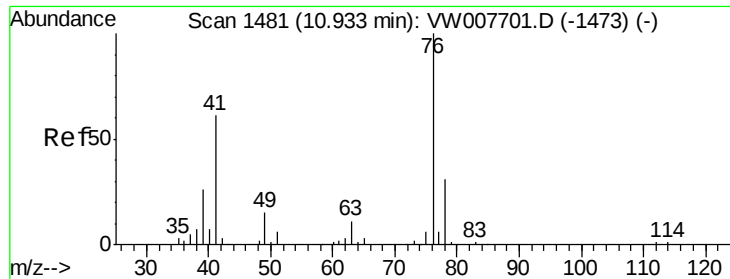
Tot Ion:	97	Resp:	12668
Ion	Ratio	Lower	Upper
97	100		
83	85.8	67.5	101.3
85	52.8	44.8	67.2
99	62.6	51.0	76.4



#56
 Ethyl methacrylate
 Concen: 22.625 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007800.D
 Acq: 21 Dec 2018 17:38

Tgt Ion:	69	Resp:	16568
Ion	Ratio	Lower	Upper
69	100		
41	63.7	48.9	73.3
39	35.8	31.3	46.9

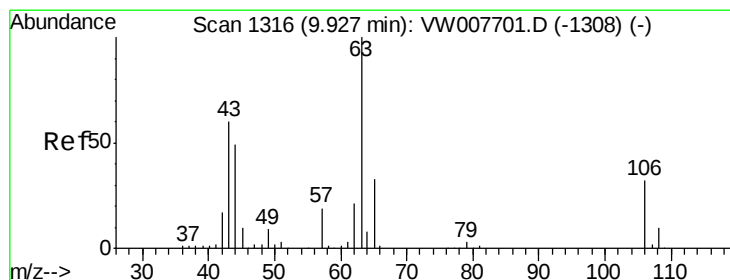
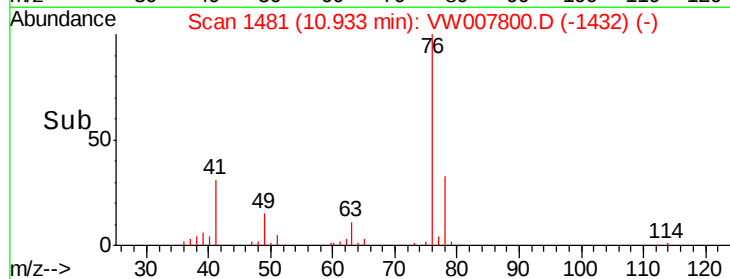
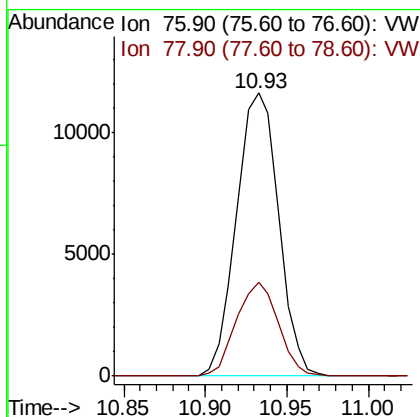
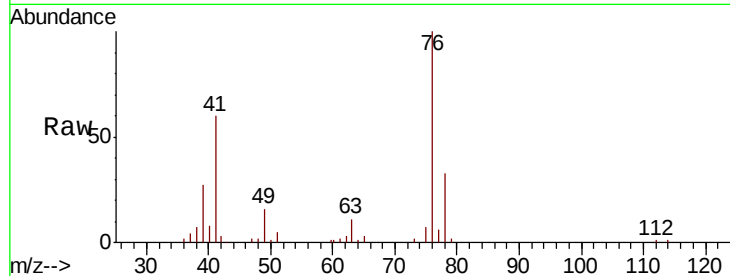




#57
 1,3-Dichloropropane
 Concen: 20.447 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007800.D
 Acq: 21 Dec 2018 17:38

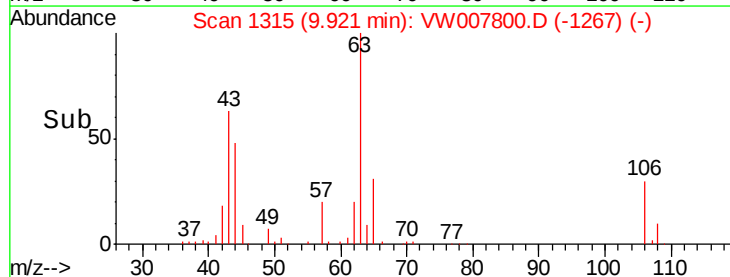
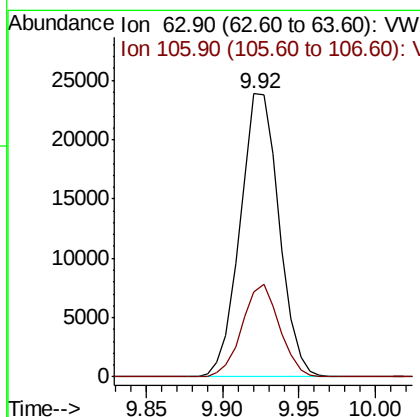
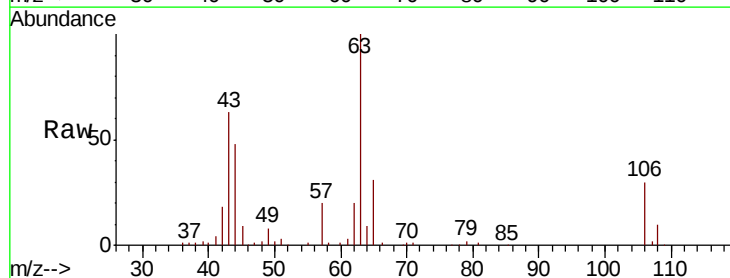
Instrument :
 MSVOA_W
 ClientSampled :

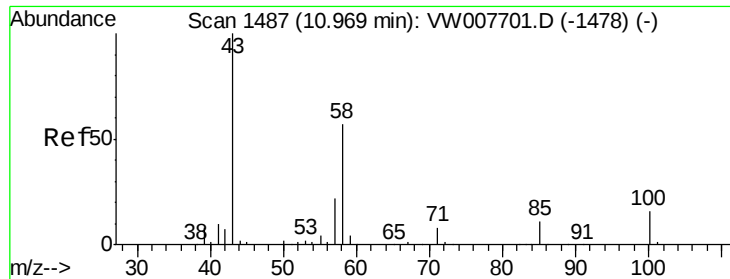
Tot Ion: 76 Resp: 21044
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 126.188 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW007800.D
 Acq: 21 Dec 2018 17:38

Tgt Ion: 63 Resp: 42190
 Ion Ratio Lower Upper
 63 100
 106 31.5 25.9 38.9





#59

2-Hexanone

Concen: 119.458 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Instrument :

MSVOA_W

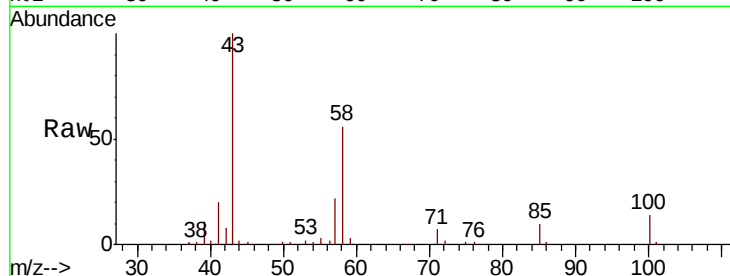
ClientSampled :

Tot Ion: 43 Resp: 33861

Ion Ratio Lower Upper

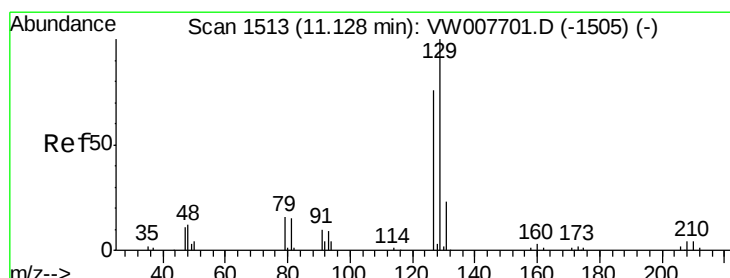
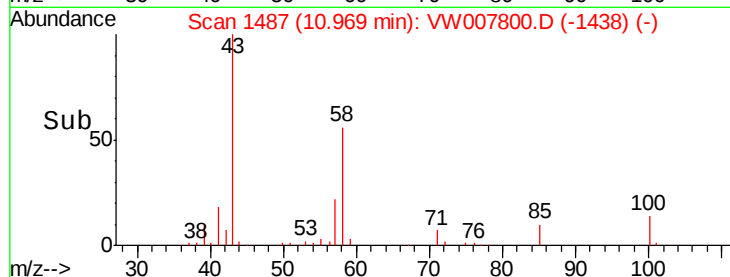
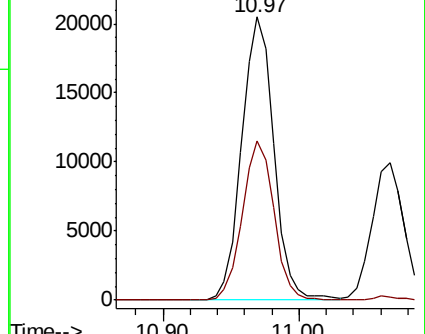
43 100

58 55.1 27.7 83.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#60

Dibromochloromethane

Concen: 17.732 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW007800.D

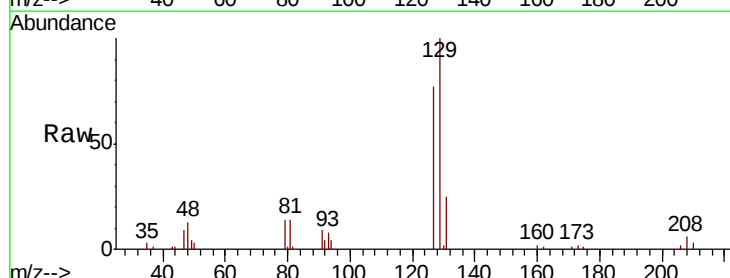
Acq: 21 Dec 2018 17:38

Tgt Ion: 129 Resp: 14552

Ion Ratio Lower Upper

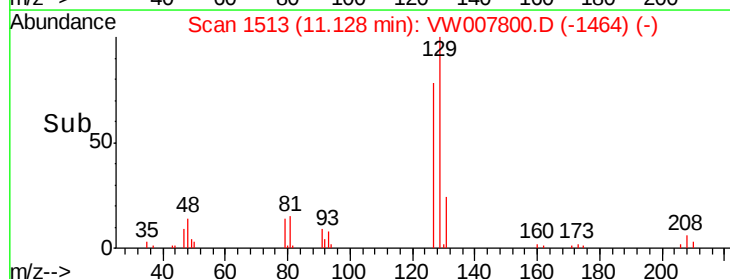
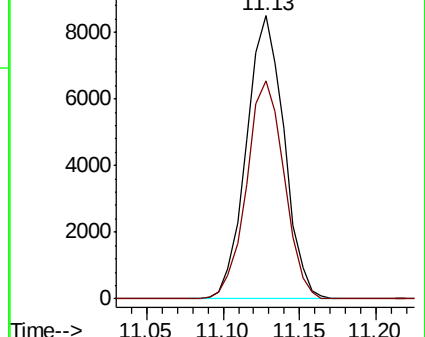
129 100

127 76.7 38.3 114.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

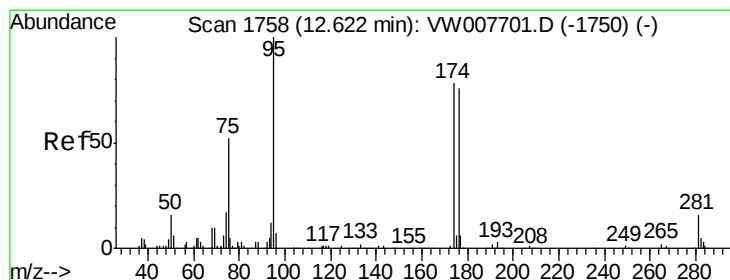
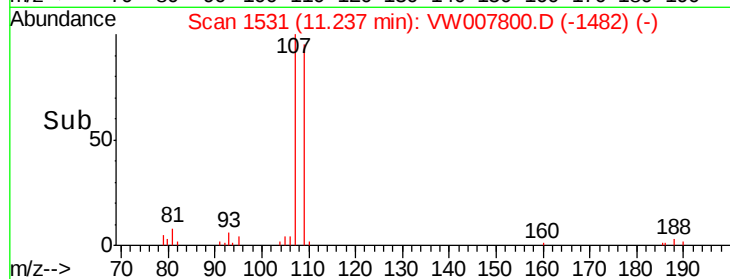
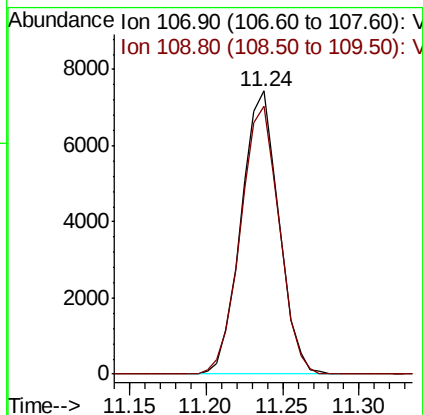
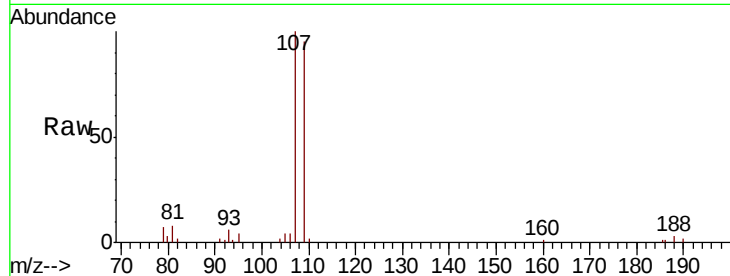




#61
 1,2-Dibromoethane
 Concen: 20.266 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007800.D
 Acq: 21 Dec 2018 17:38

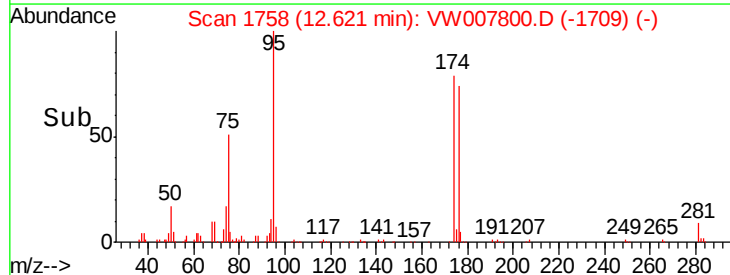
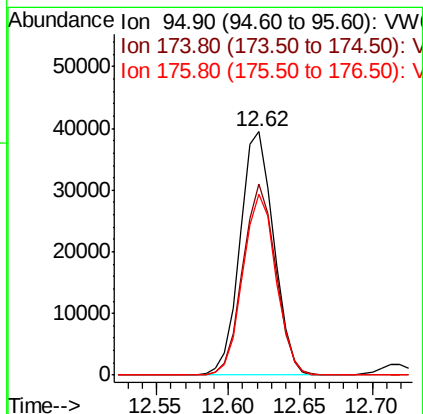
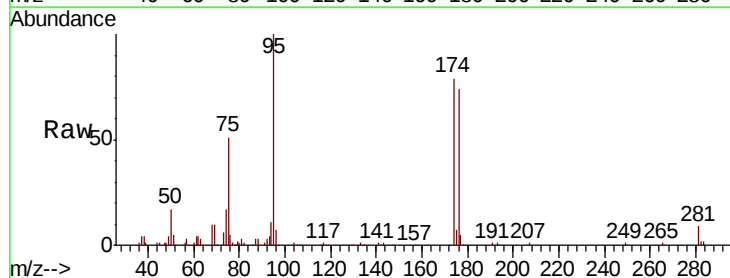
Instrument :
 MSVOA_W
 ClientSampleId :

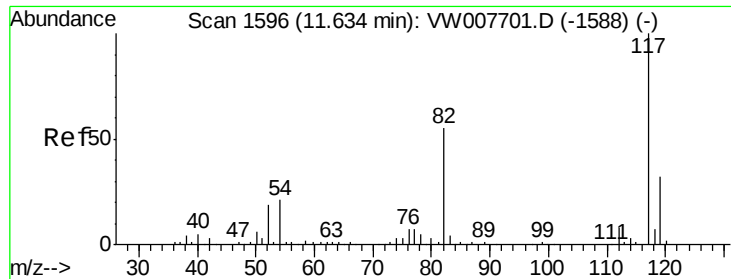
Tot Ion:107 Resp: 12720
 Ion Ratio Lower Upper
 107 100
 109 96.7 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 56.303 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007800.D
 Acq: 21 Dec 2018 17:38

Tgt Ion: 95 Resp: 63928
 Ion Ratio Lower Upper
 95 100
 174 76.5 0.0 152.2
 176 73.0 0.0 146.8

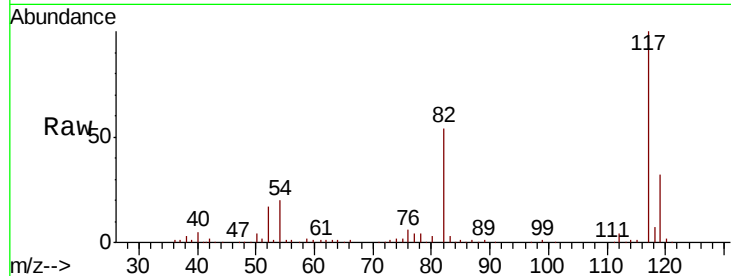




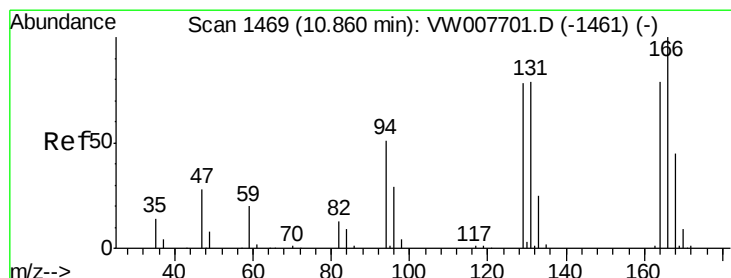
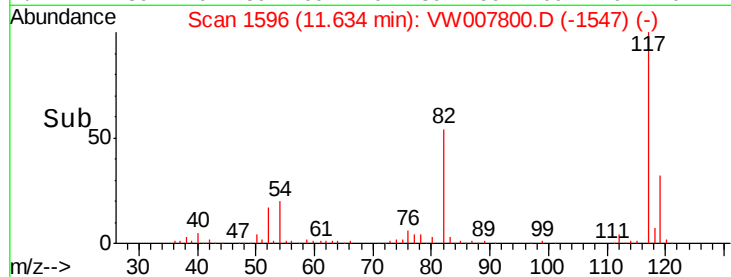
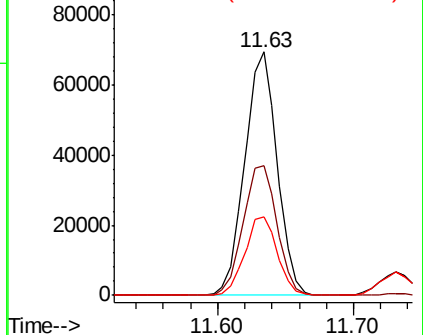
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 115472
Ion Ratio Lower Upper
117 100
82 53.5 44.3 66.5
119 32.2 25.7 38.5

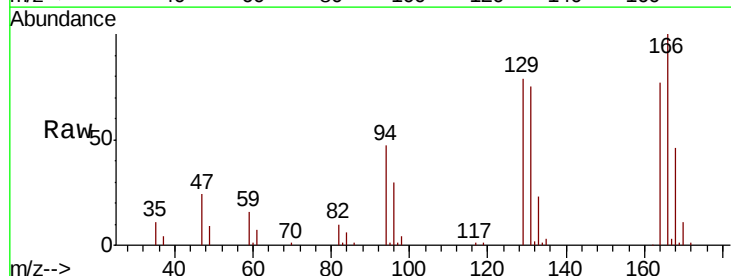


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

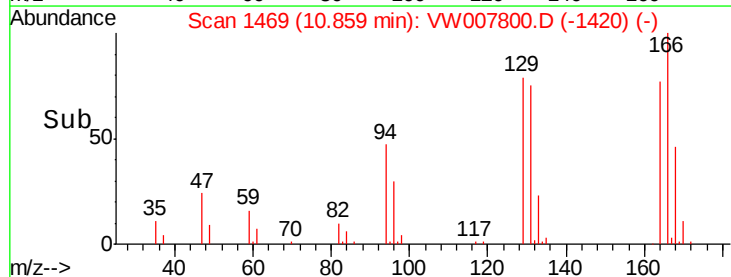
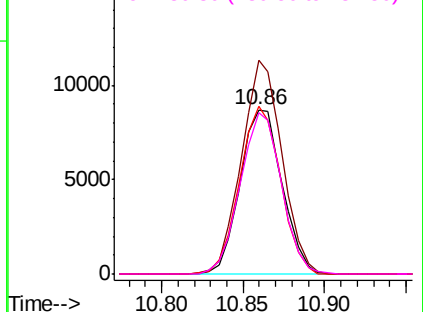


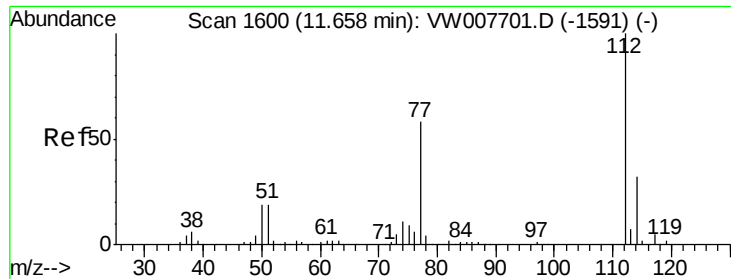
#64
Tetrachloroethene
Concen: 19.048 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Tgt Ion:164 Resp: 15575
Ion Ratio Lower Upper
164 100
166 129.9 101.0 151.6
129 102.4 78.7 118.1
131 98.0 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

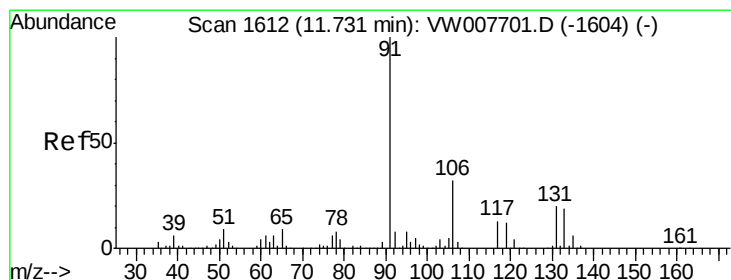
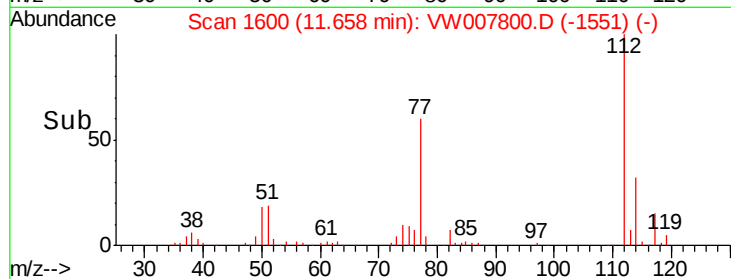
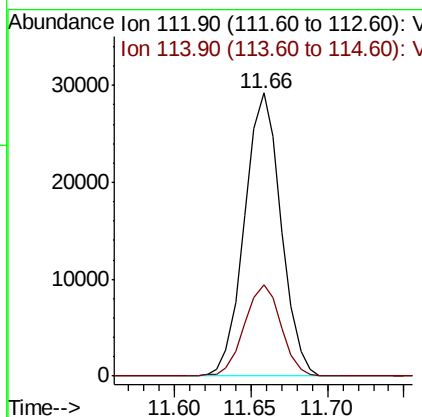
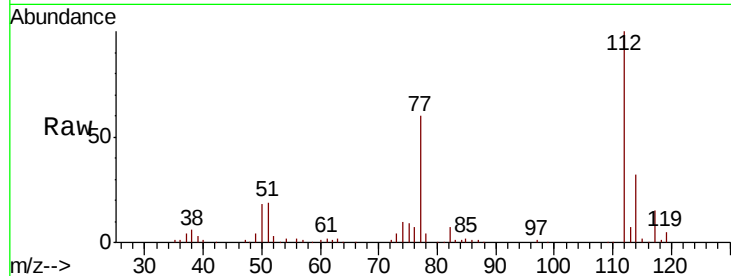




#65
Chlorobenzene
Concen: 19.401 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

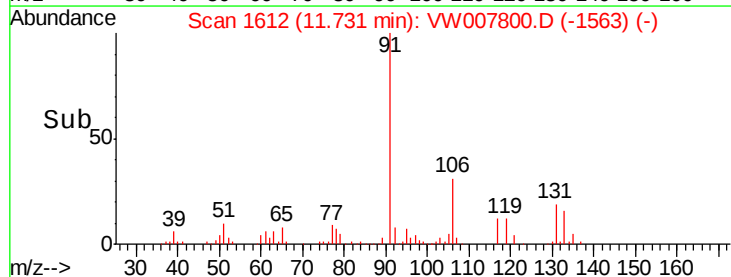
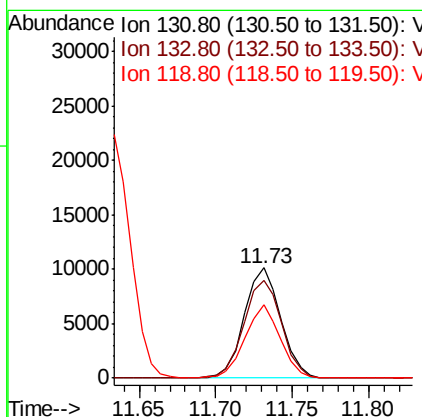
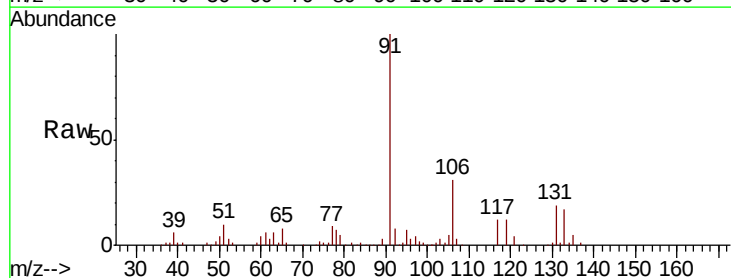
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:112 Resp: 48489
Ion Ratio Lower Upper
112 100
114 32.2 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 18.722 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Tgt Ion:131 Resp: 16720
Ion Ratio Lower Upper
131 100
133 91.5 47.5 142.5
119 64.1 30.2 90.6

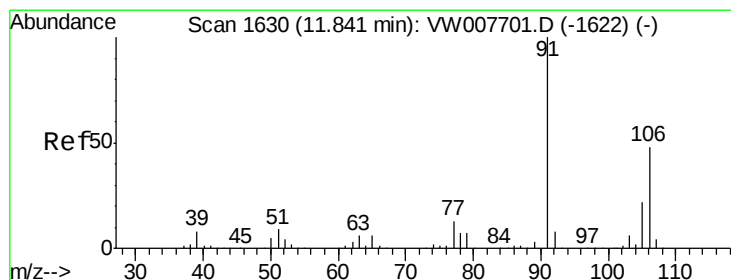
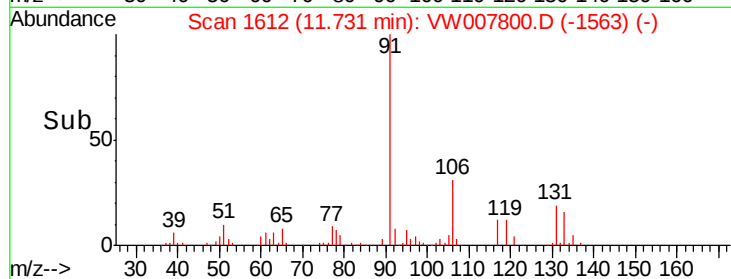
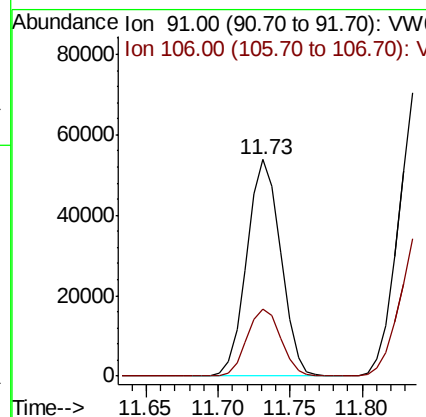
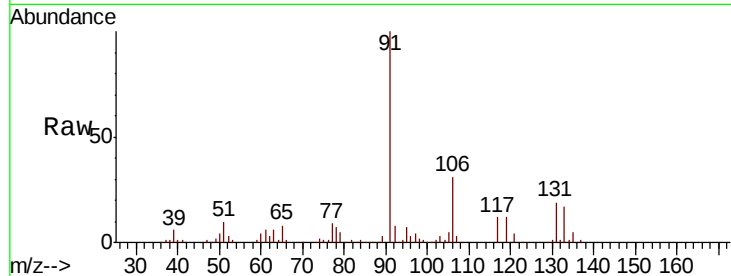




#67
Ethyl Benzene
Concen: 20.440 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

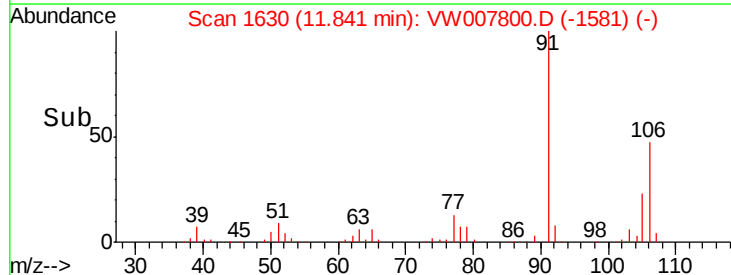
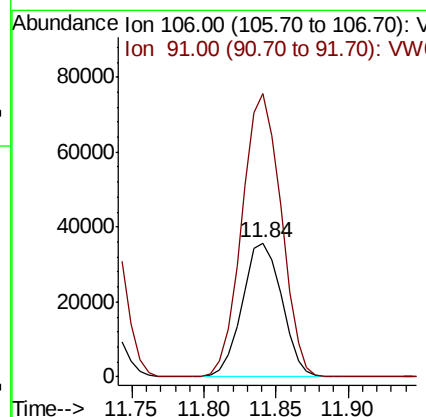
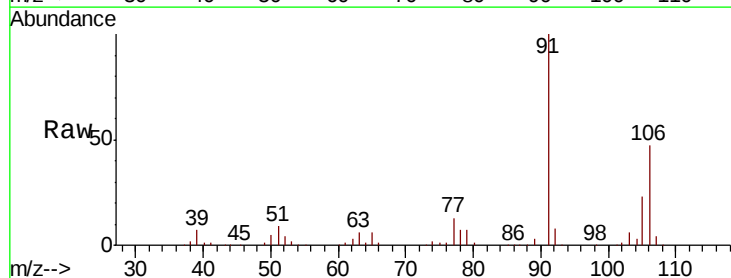
Instrument :
MSVOA_W
ClientSampleId :

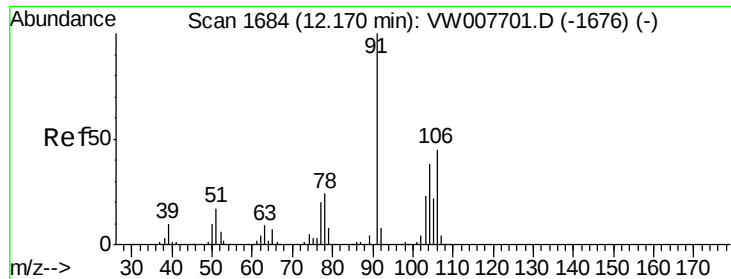
Tot Ion: 91 Resp: 87661
Ion Ratio Lower Upper
91 100
106 30.9 25.8 38.8



#68
m/p-Xylenes
Concen: 40.893 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Tgt Ion: 106 Resp: 68033
Ion Ratio Lower Upper
106 100
91 209.3 165.2 247.8

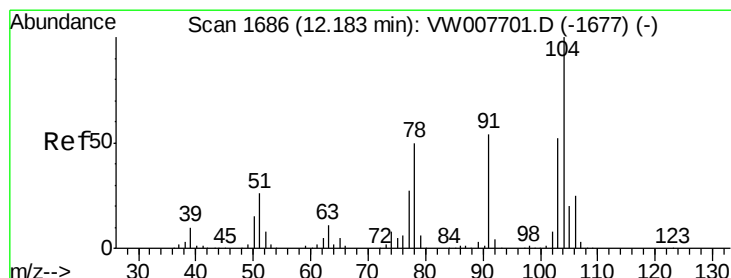
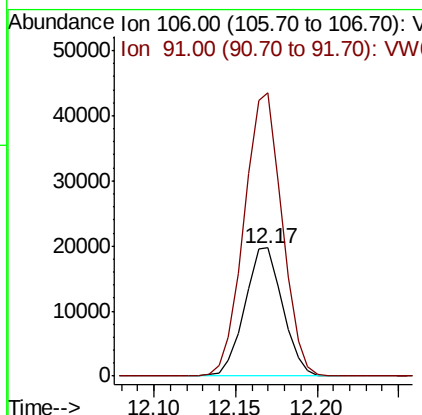
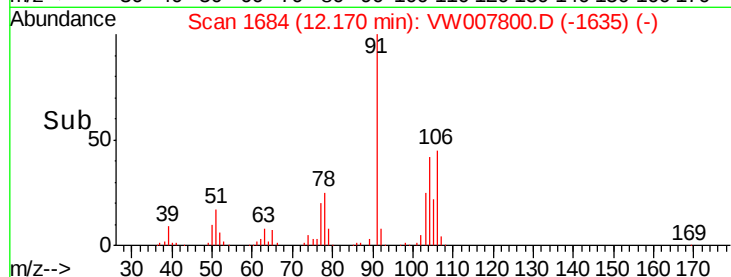
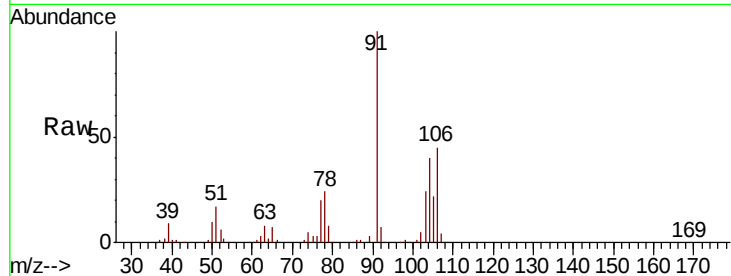




#69
o-Xylene
Concen: 20.472 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

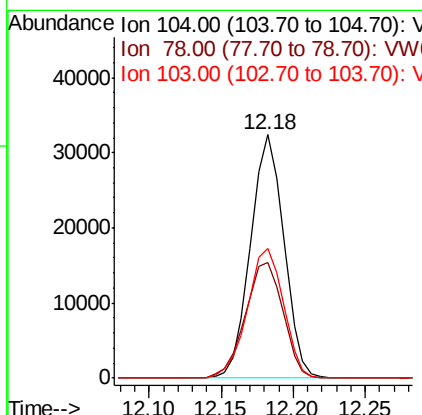
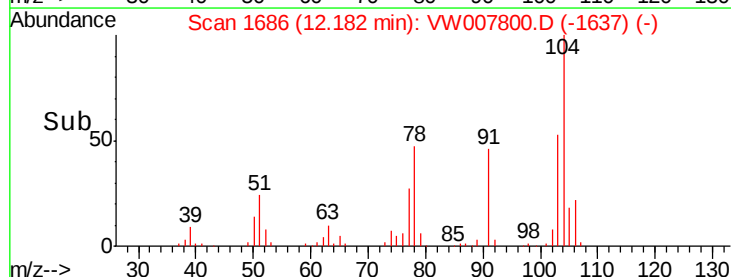
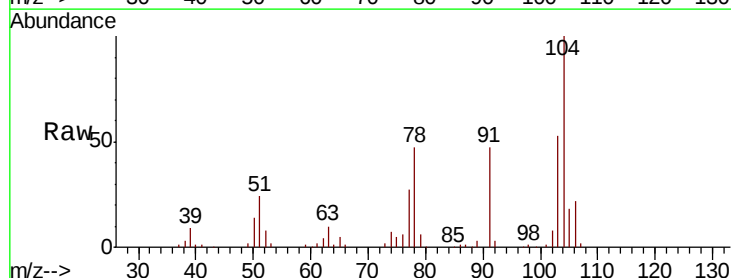
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 31926
Ion Ratio Lower Upper
106 100
91 221.2 110.5 331.4



#70
Styrene
Concen: 20.231 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Tgt Ion:104 Resp: 51862
Ion Ratio Lower Upper
104 100
78 53.8 43.4 65.0
103 57.8 44.5 66.7

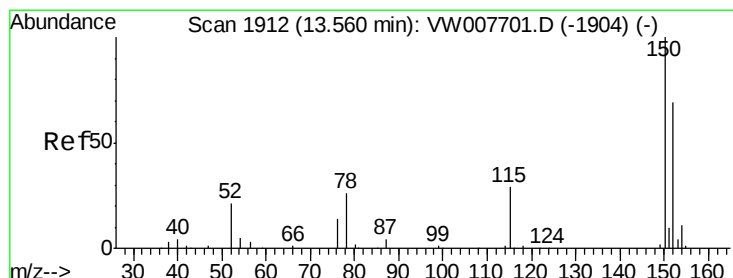
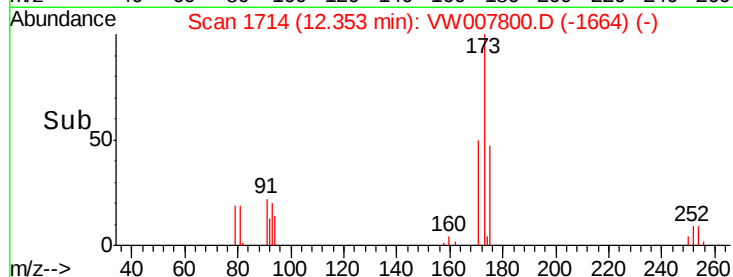
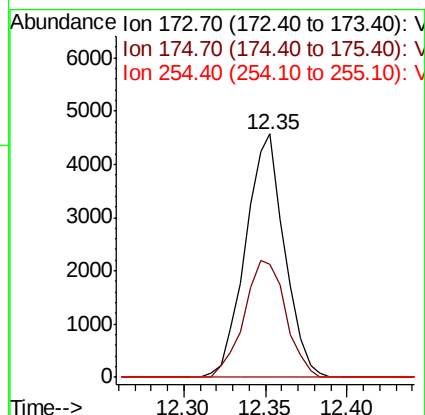
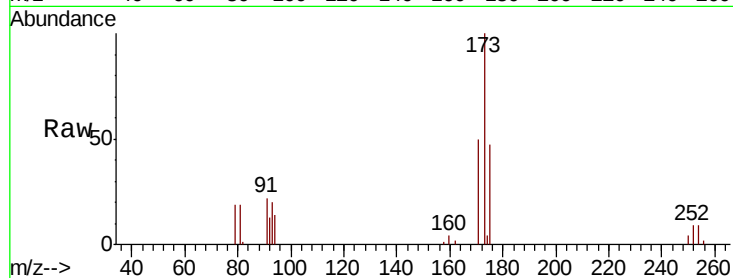




#71
Bromoform
Concen: 16.368 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

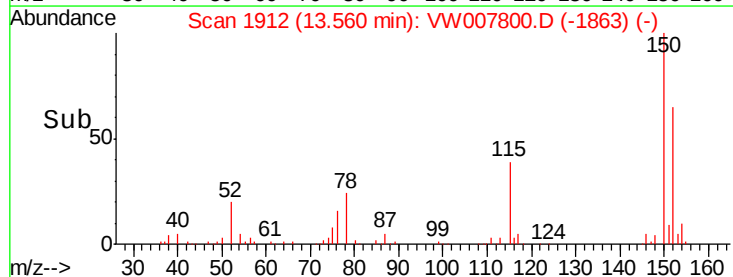
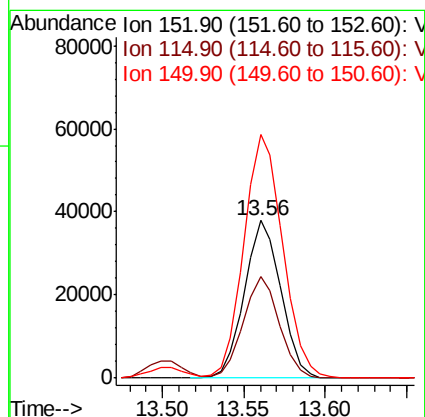
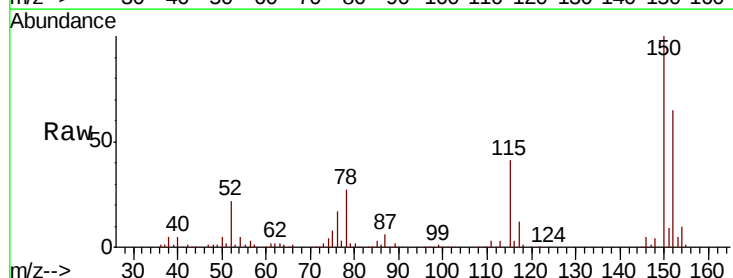
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:173 Resp: 7588
Ion Ratio Lower Upper
173 100
175 51.3 23.9 71.7
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Tgt Ion:152 Resp: 59152
Ion Ratio Lower Upper
152 100
115 63.1 31.8 95.4
150 164.1 0.0 350.8





#73

Isopropylbenzene

Concen: 20.107 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Instrument :

MSVOA_W

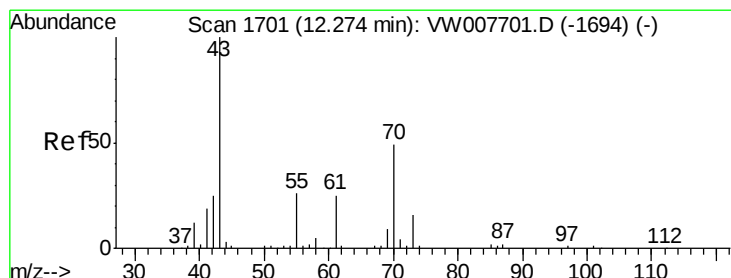
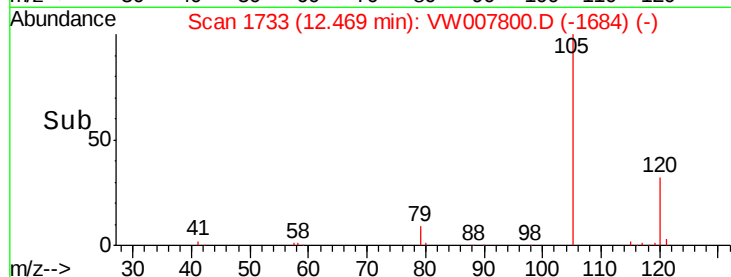
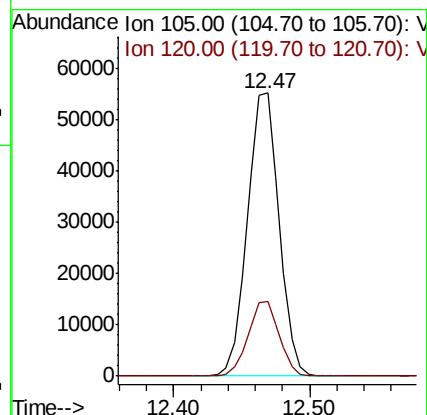
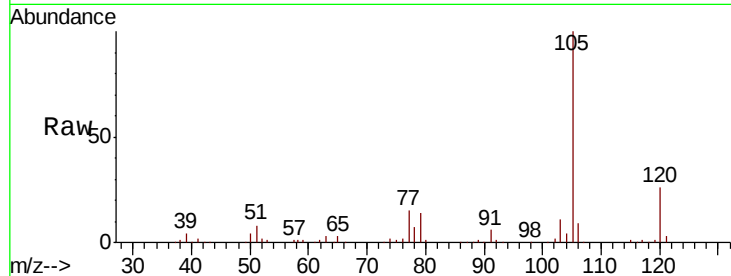
ClientSampled :

Tot Ion:105 Resp: 89901

Ion Ratio Lower Upper

105 100

120 25.9 13.1 39.3



#74

N-ethyl acetate

Concen: 24.084 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Tgt Ion: 43 Resp: 18653

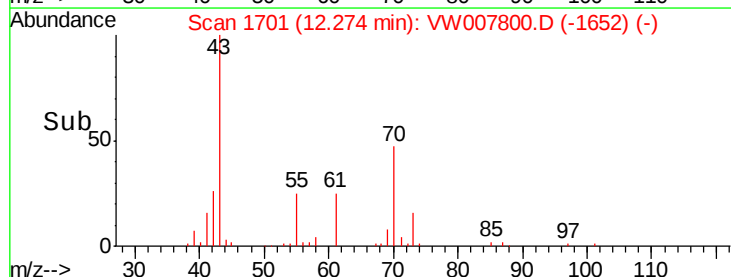
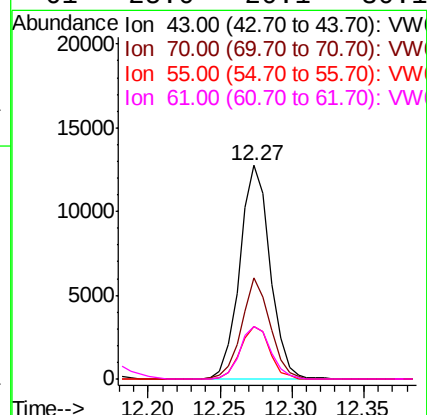
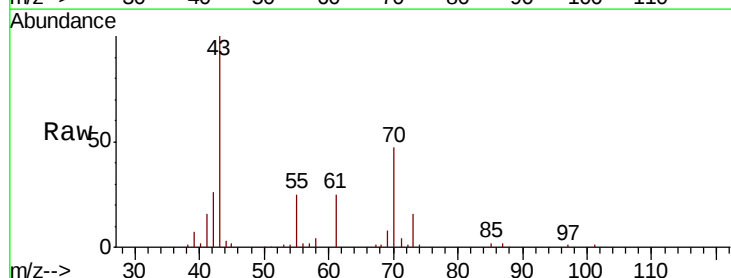
Ion Ratio Lower Upper

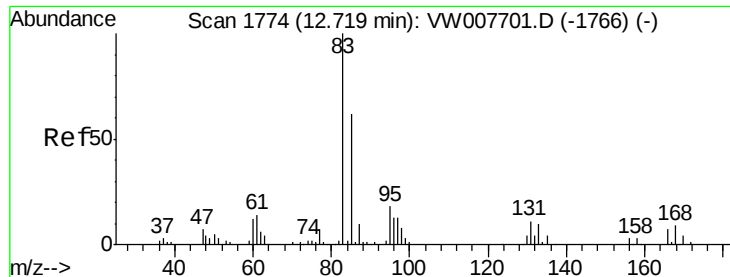
43 100

70 44.5 37.6 56.4

55 24.3 21.7 32.5

61 25.0 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.622 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Instrument :

MSVOA_W

ClientSampled :

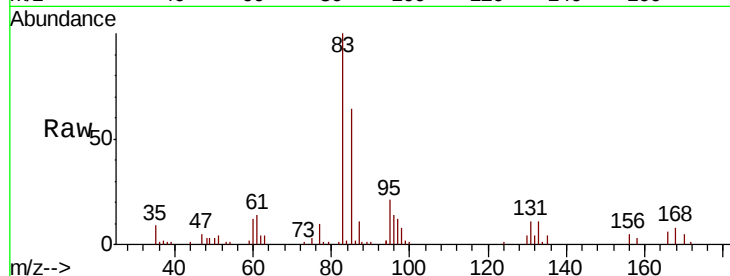
Tot Ion: 83 Resp: 14495

Ion Ratio Lower Upper

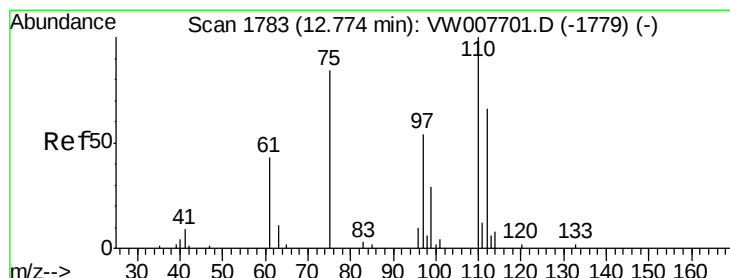
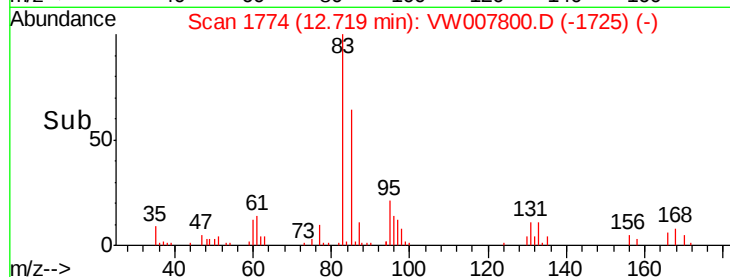
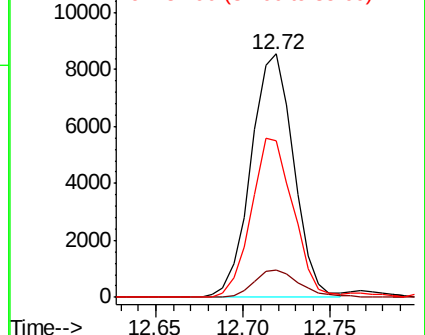
83 100

131 12.0 6.3 18.8

85 63.9 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: 43.844 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW007800.D

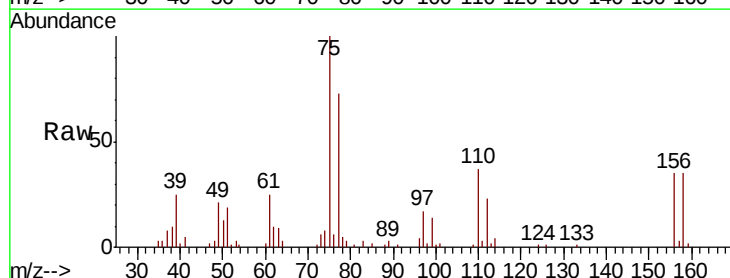
Acq: 21 Dec 2018 17:38

Tgt Ion: 75 Resp: 20045

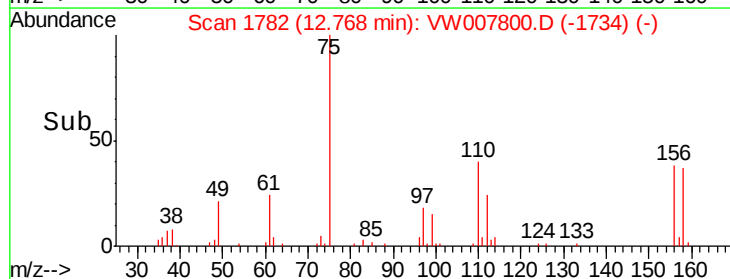
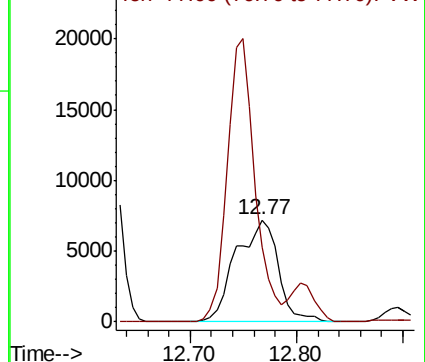
Ion Ratio Lower Upper

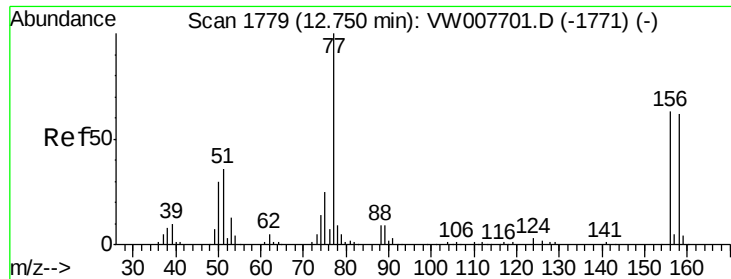
75 100

77 182.1 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: 20.217 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Instrument :

MSVOA_W

ClientSampled :

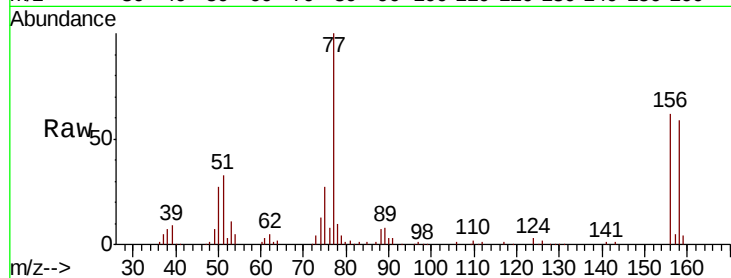
Tot Ion:156 Resp: 20716

Ion Ratio Lower Upper

156 100

77 176.2 87.4 262.1

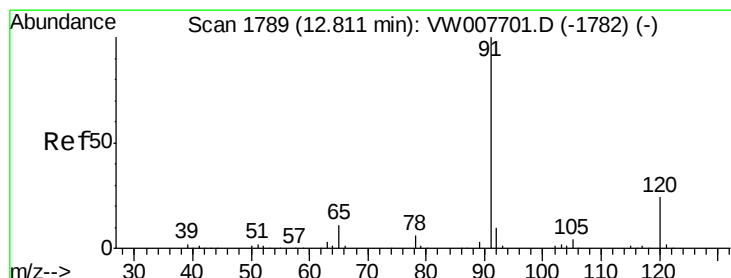
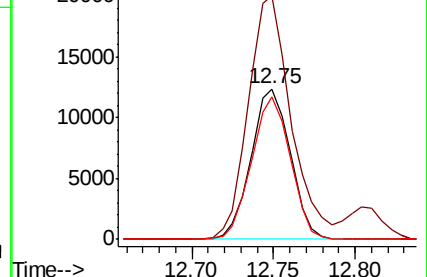
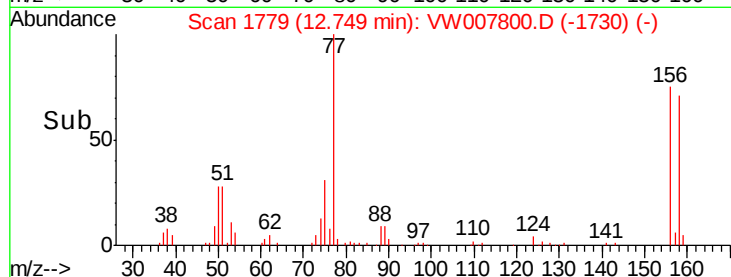
158 93.8 48.4 145.0



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: 19.964 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW007800.D

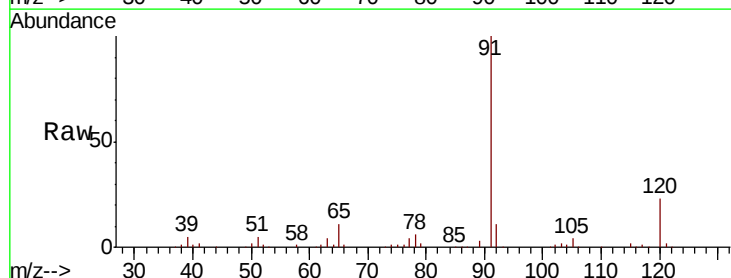
Acq: 21 Dec 2018 17:38

Tgt Ion: 91 Resp: 103911

Ion Ratio Lower Upper

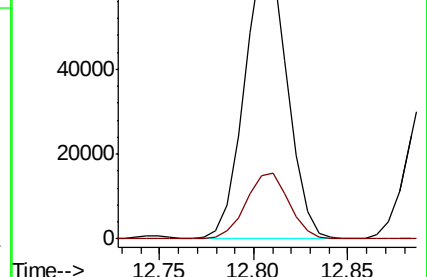
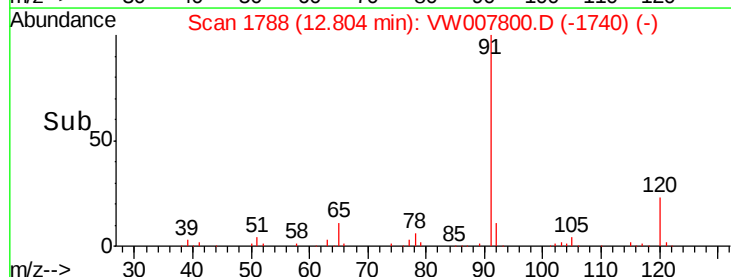
91 100

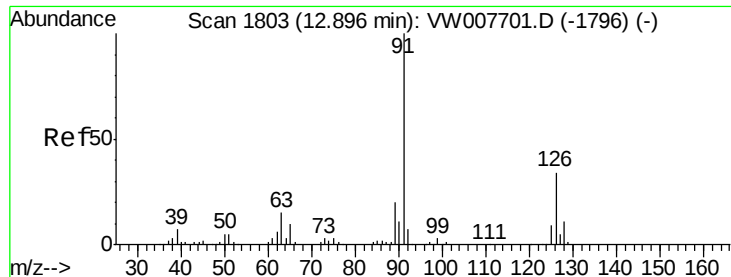
120 23.5 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.310 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Instrument :

MSVOA_W

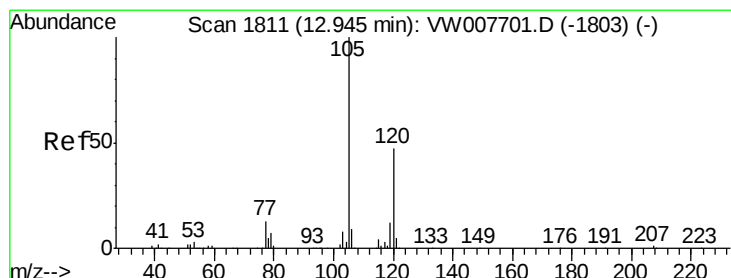
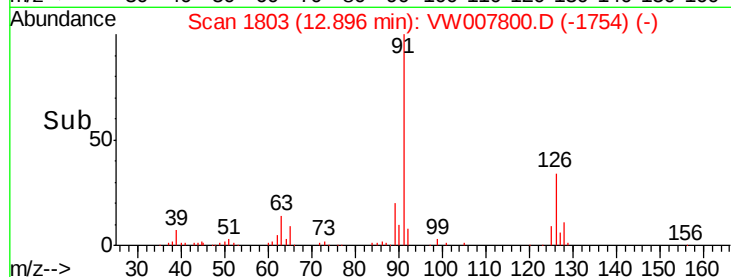
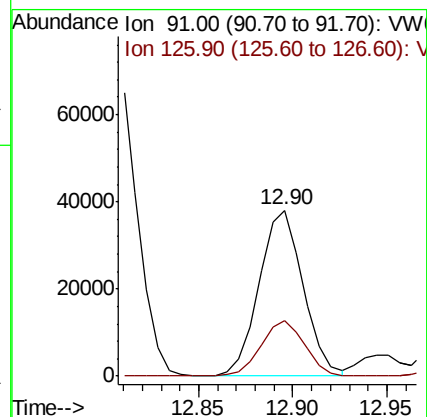
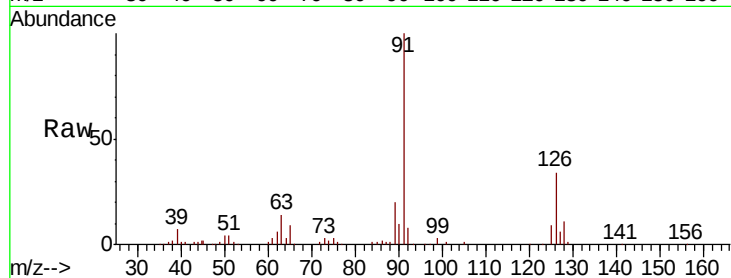
ClientSampleId :

Tot Ion: 91 Resp: 61581

Ion Ratio Lower Upper

91 100

126 33.1 17.0 51.0



#80

1,3,5-Trimethylbenzene

Concen: 20.235 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW007800.D

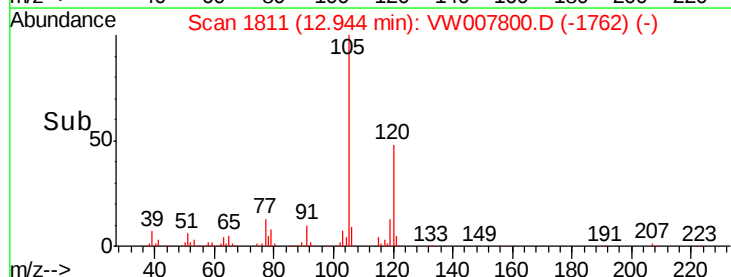
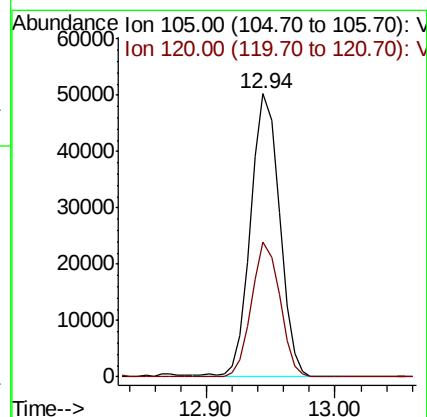
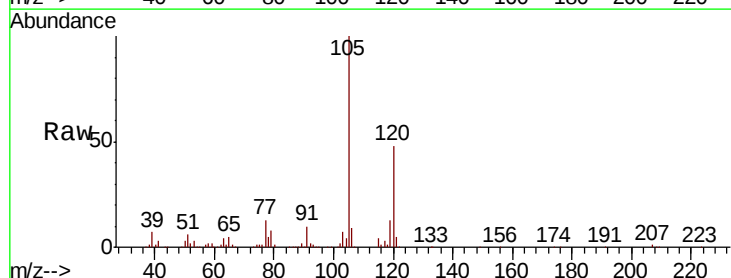
Acq: 21 Dec 2018 17:38

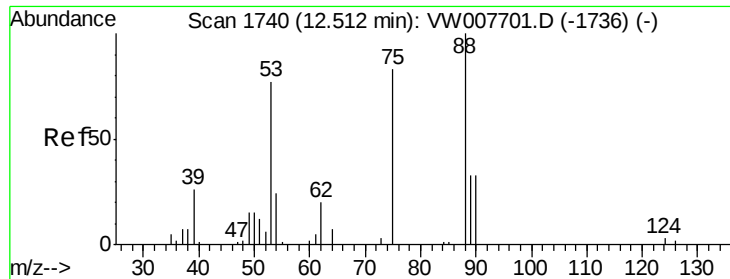
Tgt Ion:105 Resp: 78043

Ion Ratio Lower Upper

105 100

120 46.7 23.6 70.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.146 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Instrument :

MSVOA_W

ClientSampleId :

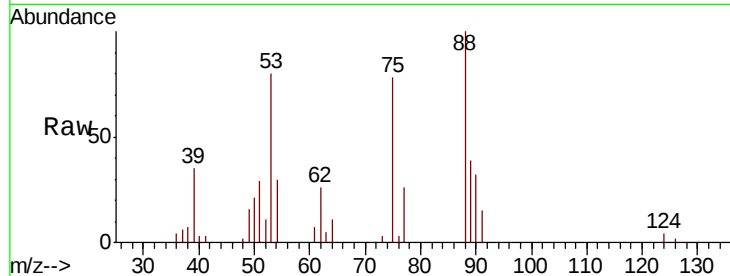
Tot Ion: 75 Resp: 4170

Ion Ratio Lower Upper

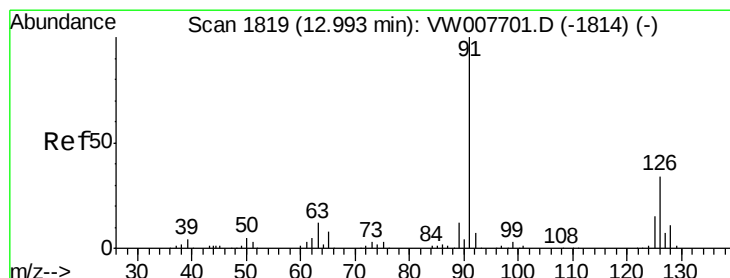
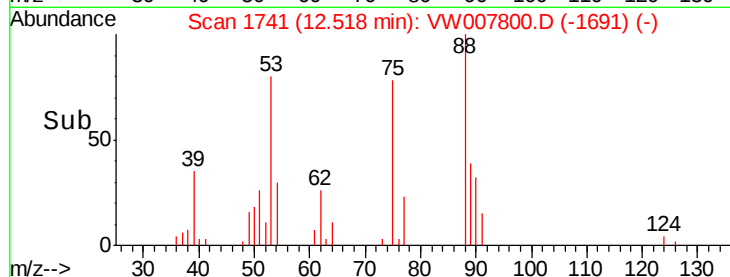
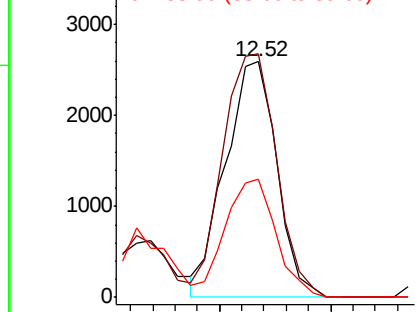
75 100

53 107.7 80.2 120.2

89 49.7 39.2 58.8



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



#82

4-Chlorotoluene

Concen: 20.112 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW007800.D

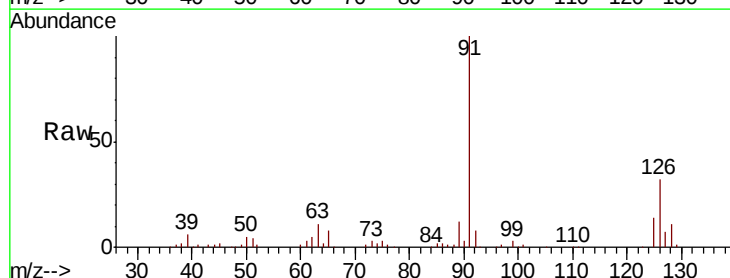
Acq: 21 Dec 2018 17:38

Tgt Ion: 91 Resp: 64929

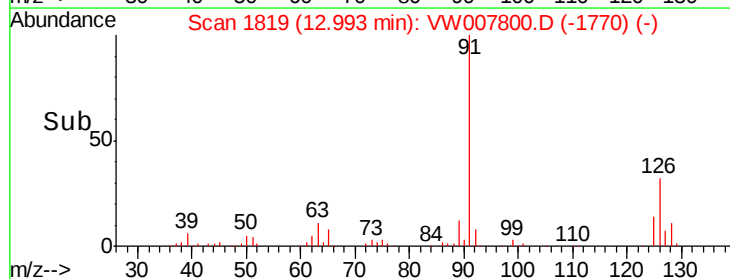
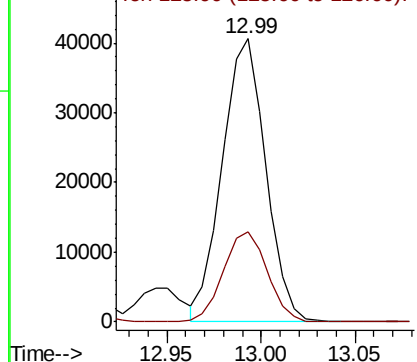
Ion Ratio Lower Upper

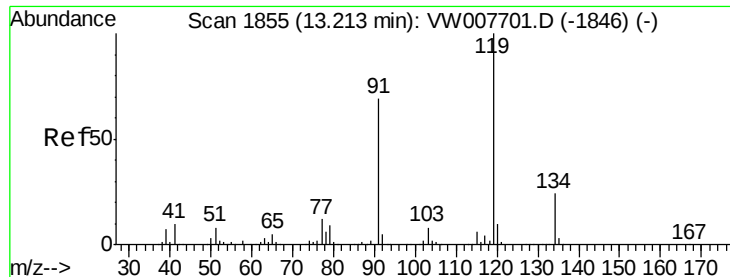
91 100

126 32.3 16.5 49.5



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

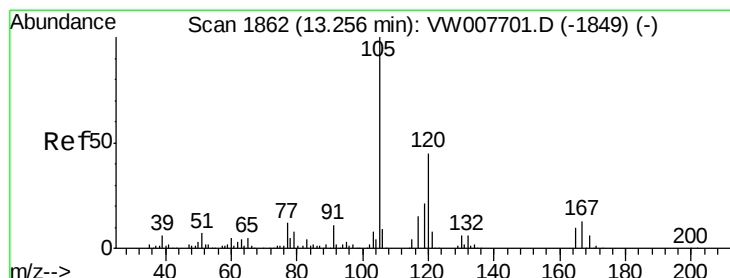
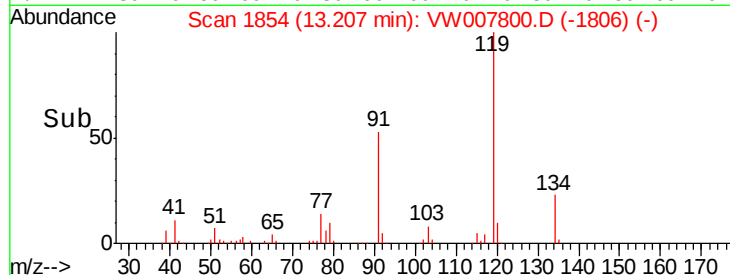
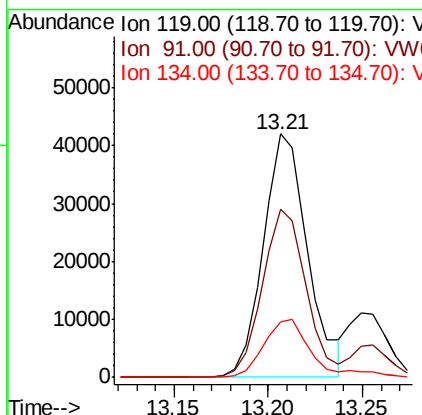
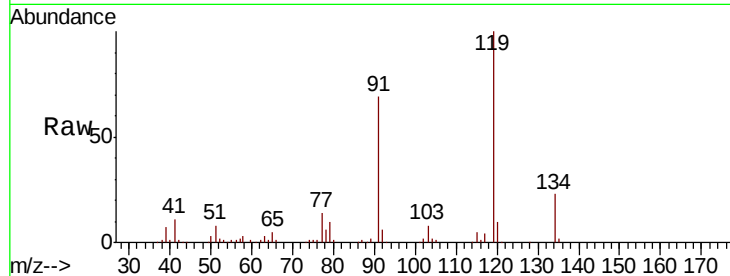




#83
tert-Butylbenzene
Concen: 20.301 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

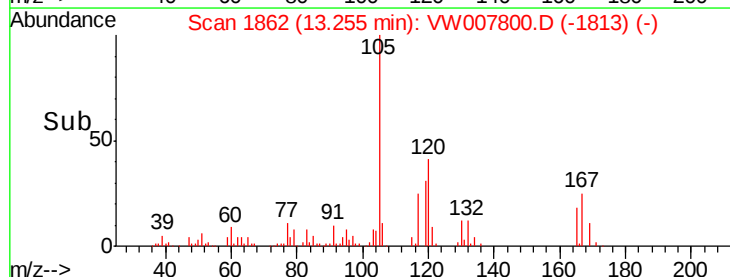
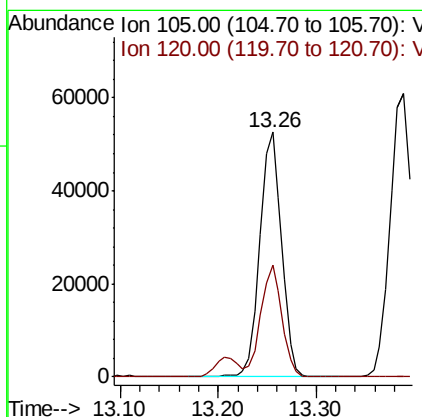
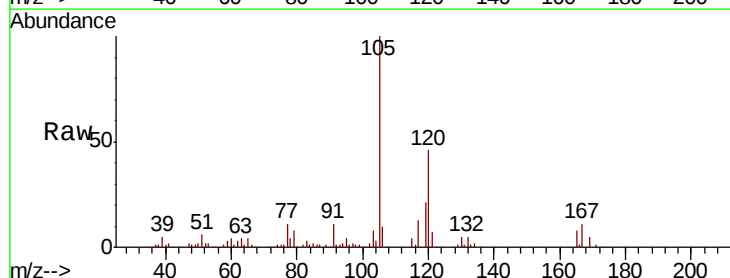
Instrument :
MSVOA_W
ClientSampled :

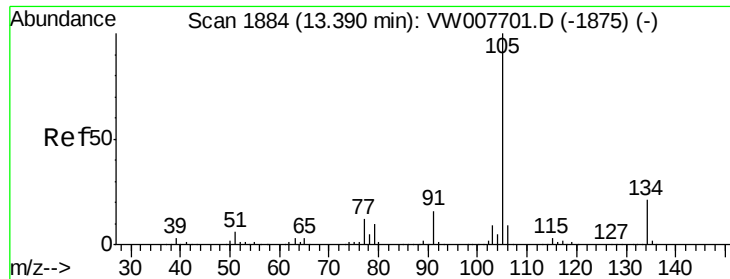
Tot Ion:119 Resp: 68698
Ion Ratio Lower Upper
119 100
91 67.9 34.2 102.5
134 25.7 12.8 38.4



#84
1,2,4-Trimethylbenzene
Concen: 20.811 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Tgt Ion:105 Resp: 80989
Ion Ratio Lower Upper
105 100
120 44.4 22.0 66.0

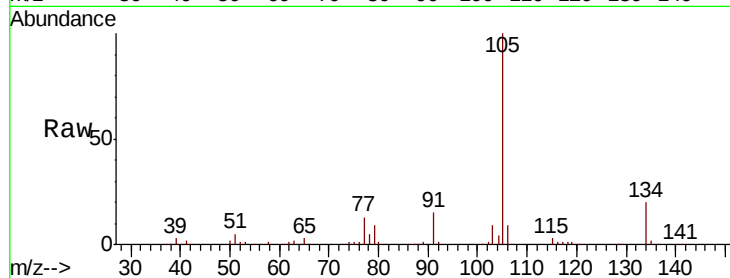




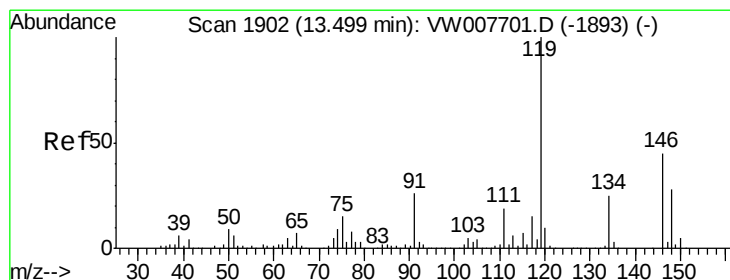
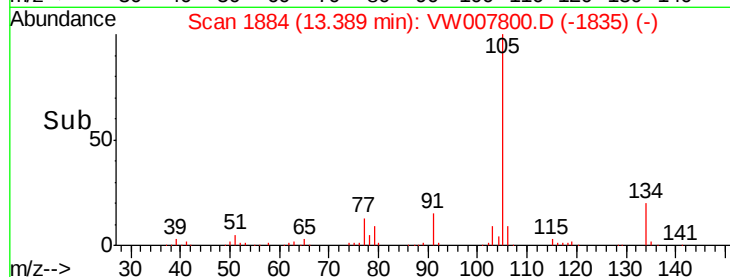
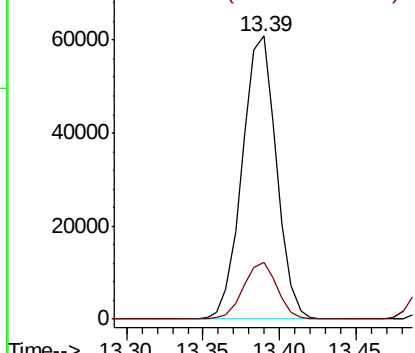
#85
 sec-Butylbenzene
 Concen: 20.263 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007800.D
 Acq: 21 Dec 2018 17:38

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:105 Resp: 94501
 Ion Ratio Lower Upper
 105 100
 134 19.7 10.2 30.4

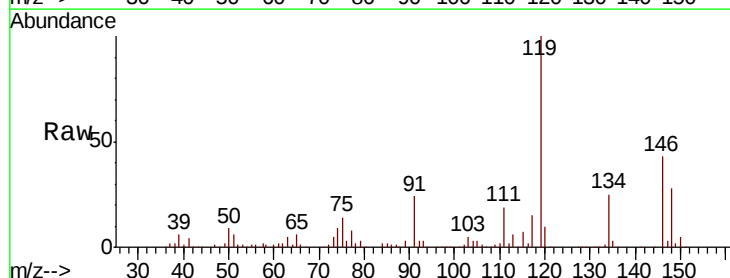


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 134.00 (133.70 to 134.70): V

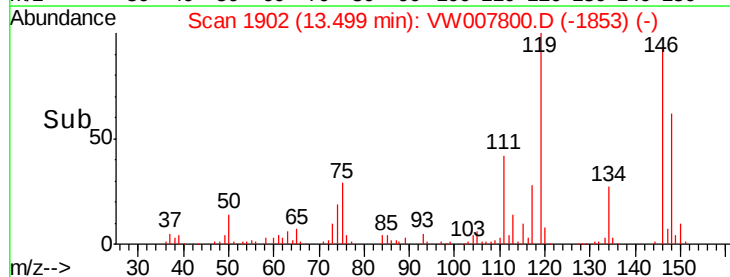
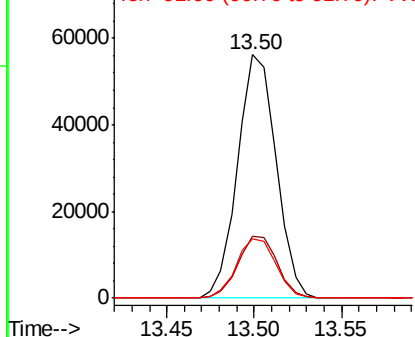


#86
 p-Isopropyltoluene
 Concen: 20.363 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW007800.D
 Acq: 21 Dec 2018 17:38

Tgt Ion:119 Resp: 86357
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.0 39.0
 91 25.1 12.8 38.4



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

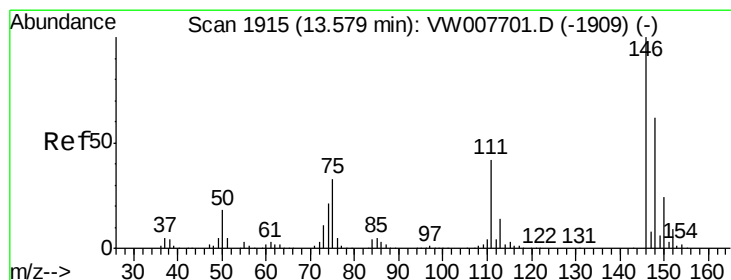
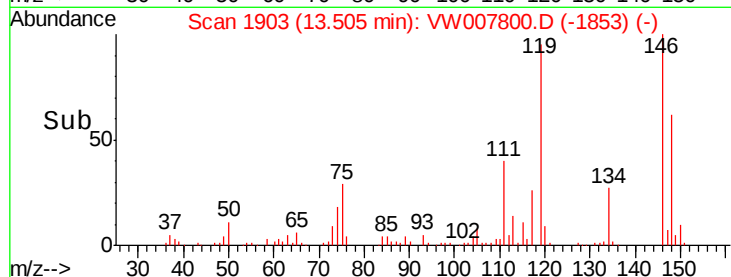
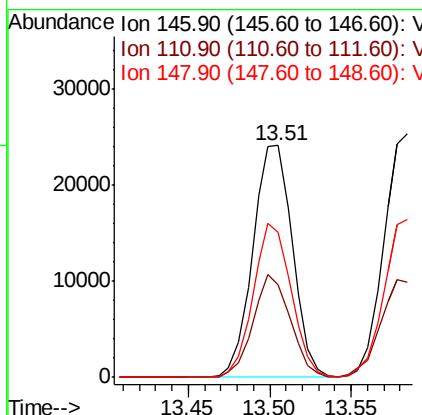
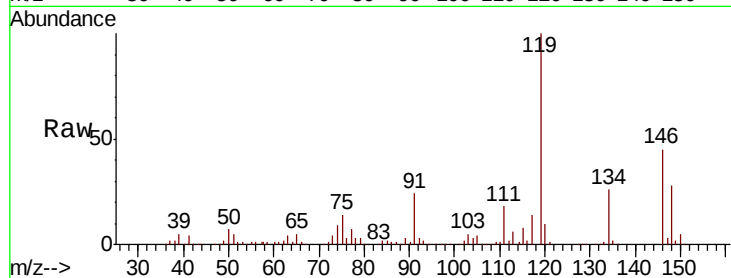




#87
 1,3-Dichlorobenzene
 Concen: 20.010 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007800.D
 Acq: 21 Dec 2018 17:38

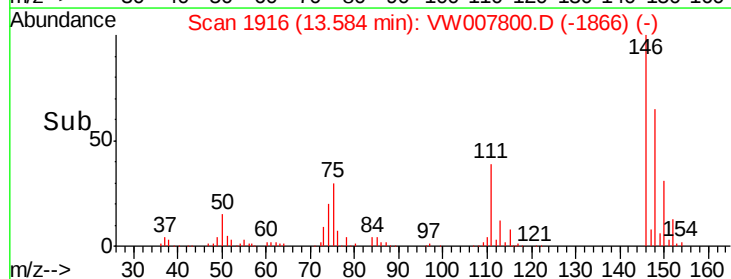
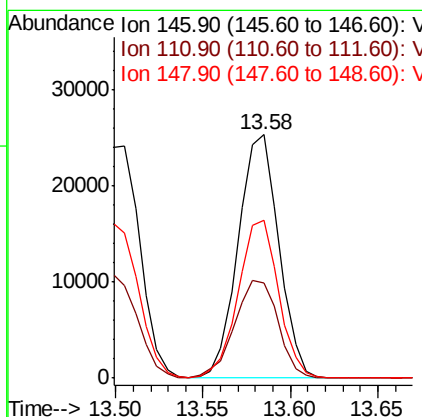
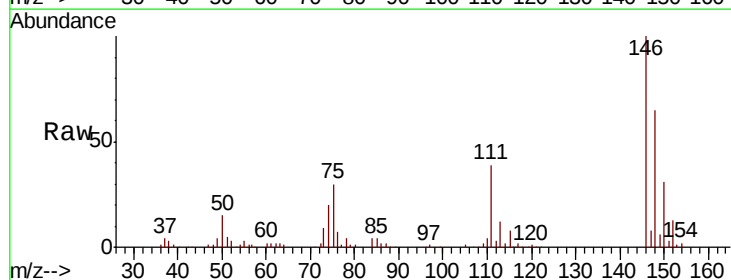
Instrument :
 MSVOA_W
 ClientSampleId :

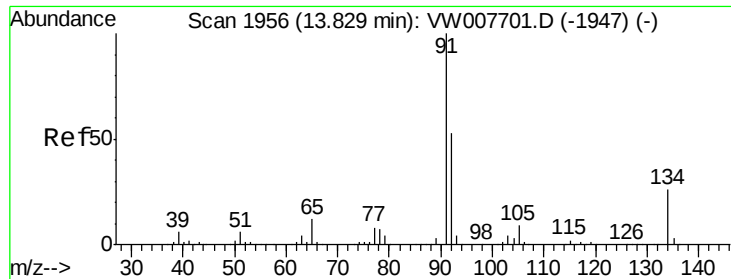
Tot Ion:146 Resp: 40711
 Ion Ratio Lower Upper
 146 100
 111 41.8 21.1 63.4
 148 63.5 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 20.102 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW007800.D
 Acq: 21 Dec 2018 17:38

Tgt Ion:146 Resp: 40910
 Ion Ratio Lower Upper
 146 100
 111 42.9 21.0 63.0
 148 64.3 31.8 95.4





#89

n-Butylbenzene

Concen: 20.171 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Instrument :

MSVOA_W

ClientSampleId :

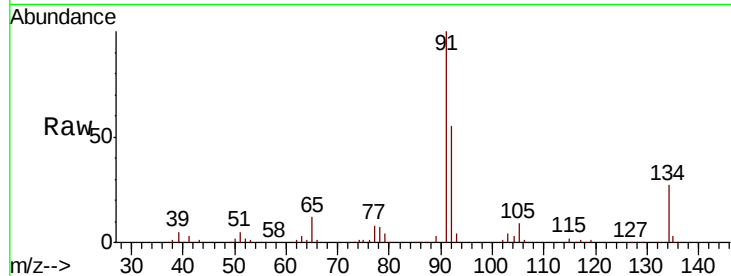
Tot Ion: 91 Resp: 78431

Ion Ratio Lower Upper

91 100

92 53.1 26.4 79.2

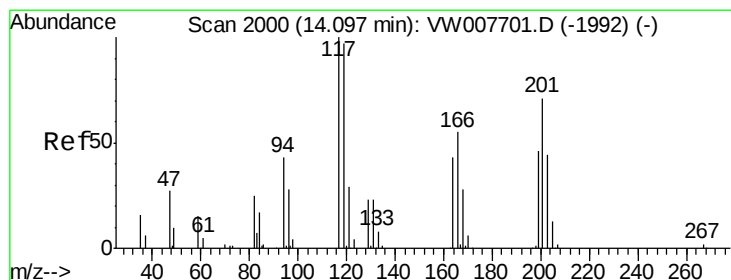
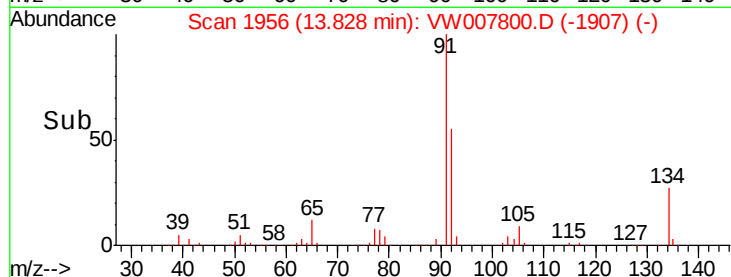
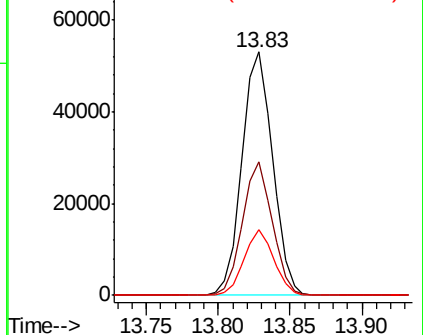
134 26.2 13.7 41.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 15.939 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW007800.D

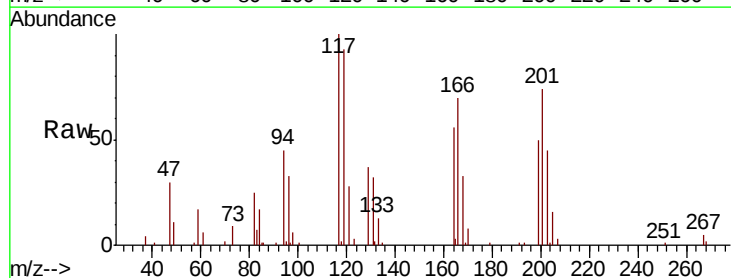
Acq: 21 Dec 2018 17:38

Tgt Ion: 117 Resp: 11867

Ion Ratio Lower Upper

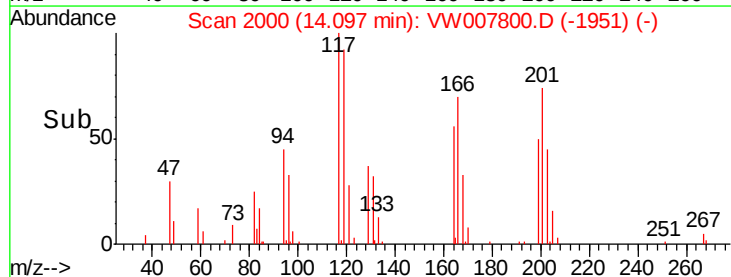
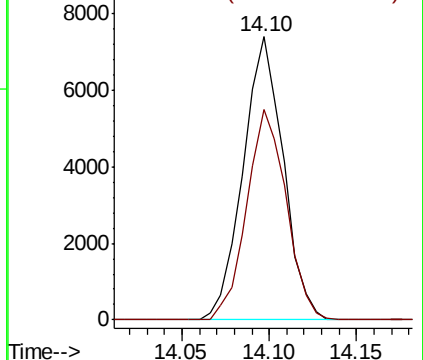
117 100

201 73.5 36.2 108.6



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

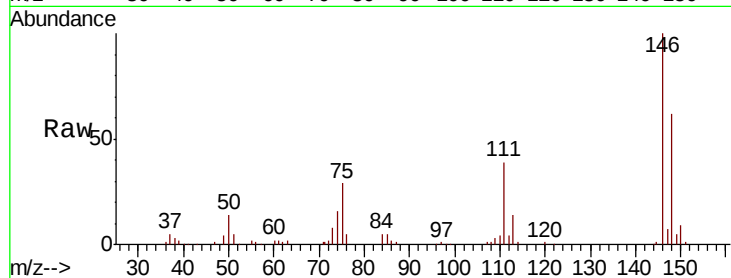




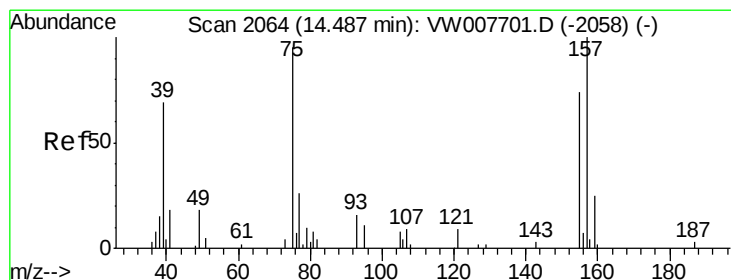
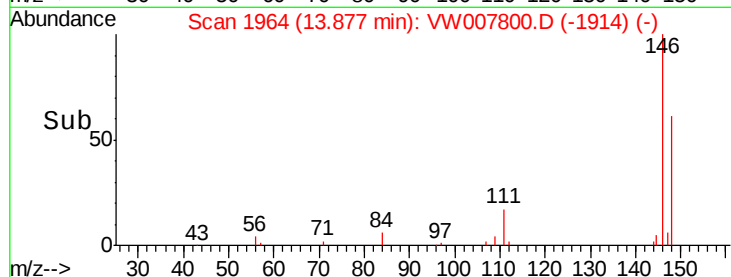
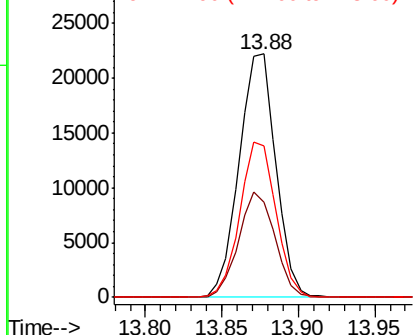
#91
 1,2-Dichlorobenzene
 Concen: 20.350 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.01 min
 Lab File: VW007800.D
 Acq: 21 Dec 2018 17:38

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:146 Resp: 37070
 Ion Ratio Lower Upper
 146 100
 111 42.8 21.7 65.1
 148 62.6 32.1 96.5

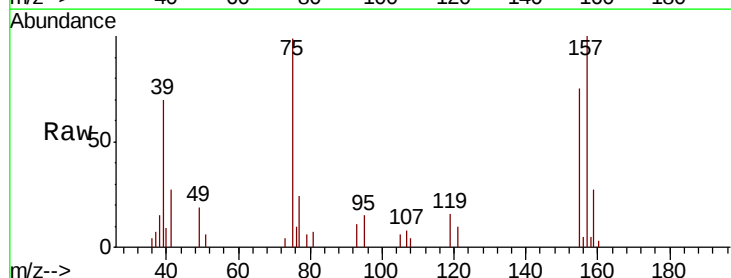


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

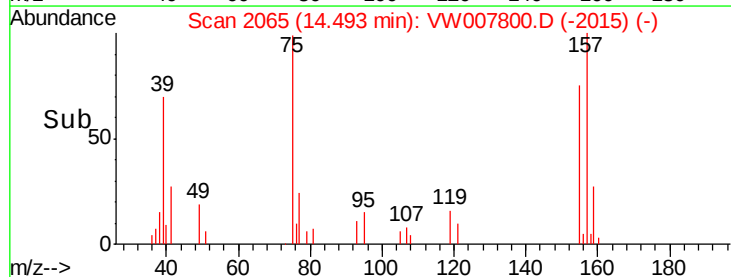
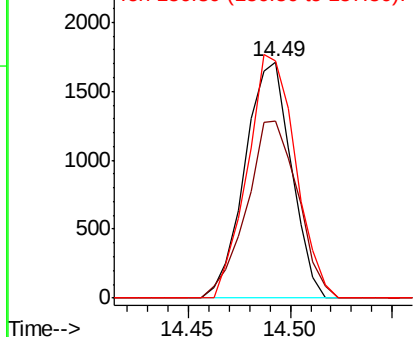


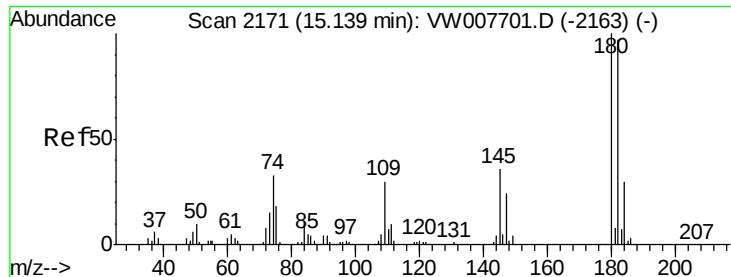
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.648 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW007800.D
 Acq: 21 Dec 2018 17:38

Tgt Ion: 75 Resp: 2705
 Ion Ratio Lower Upper
 75 100
 155 82.7 39.4 118.1
 157 107.0 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

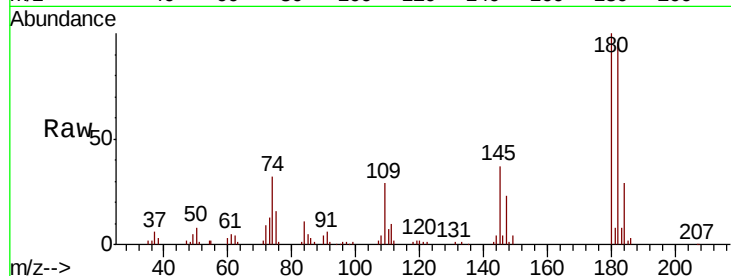




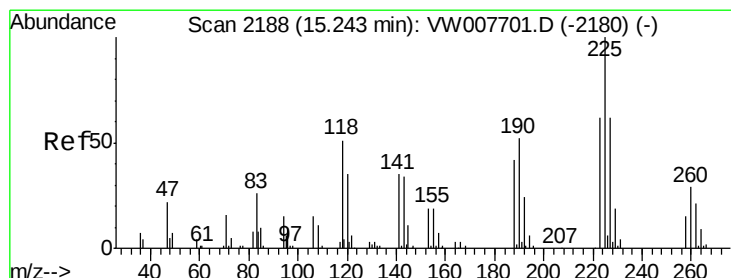
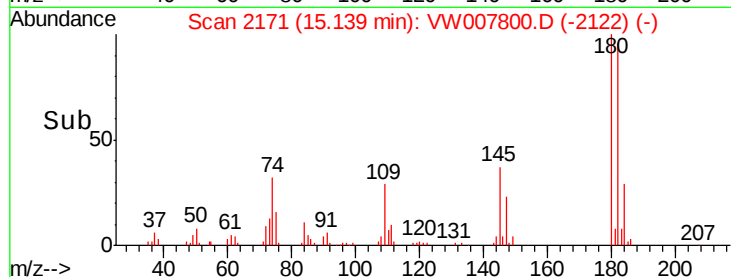
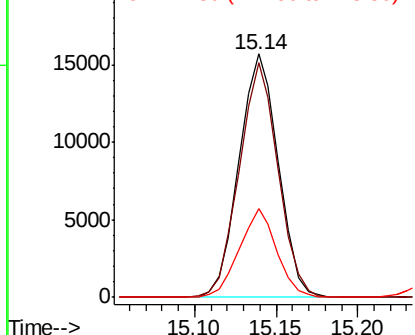
#93
1,2,4-Trichlorobenzene
Concen: 20.692 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:180 Resp: 26164
Ion Ratio Lower Upper
180 100
182 95.4 47.5 142.6
145 34.8 17.5 52.5

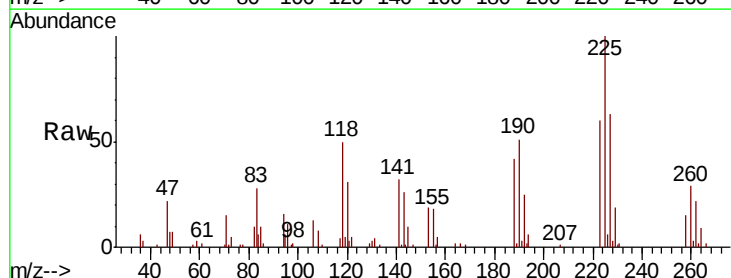


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

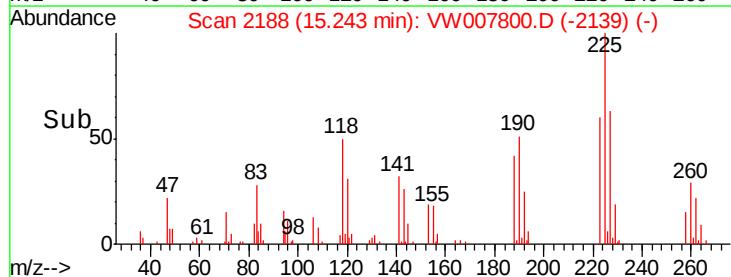
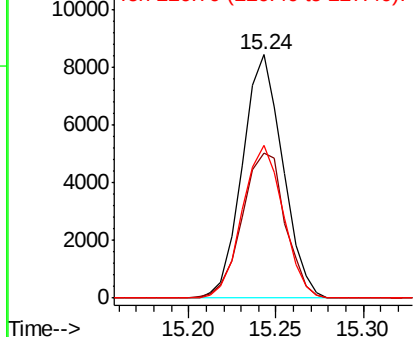


#94
Hexachlorobutadiene
Concen: 20.059 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Tgt Ion:225 Resp: 13555
Ion Ratio Lower Upper
225 100
223 63.7 31.6 94.8
227 63.8 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

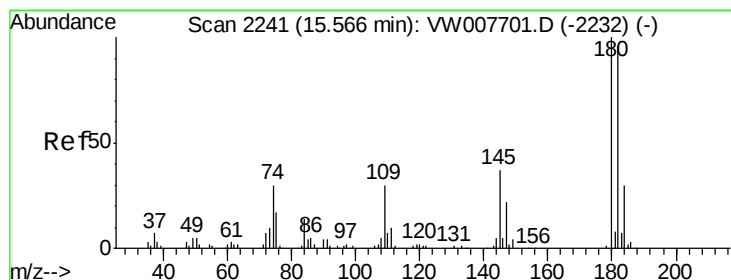
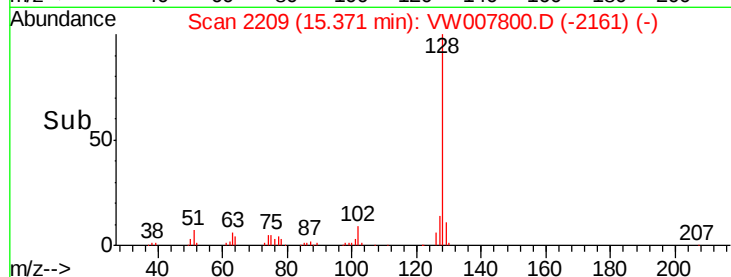
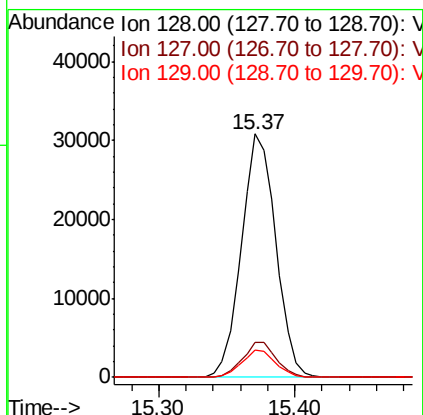
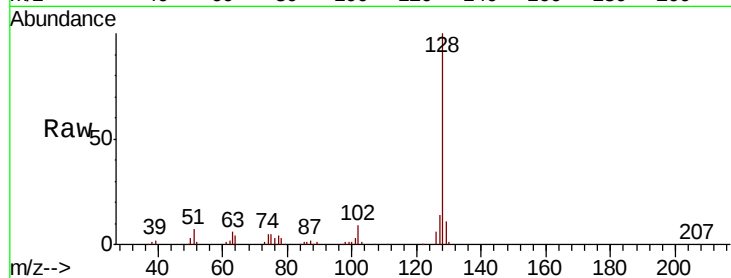




#95
Naphthalene
Concen: 23.269 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 54397
Ion Ratio Lower Upper
128 100
127 14.1 10.7 16.1
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 20.990 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Tgt Ion:180 Resp: 22719
Ion Ratio Lower Upper
180 100
182 94.6 47.4 142.2
145 37.1 18.4 55.0

