

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122518\
 Data File : VW007880.D
 Acq On : 24 Dec 2018 10:32
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 25 03:04:17 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	78704	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	122972	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	109082	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	53646	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	38417	44.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.06%	
35) Dibromofluoromethane	7.88	113	36088	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
50) Toluene-d8	10.32	98	144317	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
62) 4-Bromofluorobenzene	12.62	95	53371	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	35904	51.315	ug/l	96
3) Chloromethane	2.21	50	29621	68.944	ug/l	94
4) Vinyl Chloride	2.37	62	38955	71.227	ug/l	95
5) Bromomethane	2.78	94	23078	60.584	ug/l	94
6) Chloroethane	2.93	64	19798	67.664	ug/l	96
7) Trichlorofluoromethane	3.26	101	29817	52.367	ug/l	95
8) Diethyl Ether	3.68	74	18991	54.454	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	4.06	101	45226	53.932	ug/l	99
10) Methyl Iodide	4.26	142	67823	50.858	ug/l	96
11) Tert butyl alcohol	5.17	59	14111	242.493	ug/l	100
12) 1,1-Dichloroethene	4.03	96	43036	55.422	ug/l	99
13) Acrolein	3.89	56	11890	255.549	ug/l	97
14) Allyl chloride	4.66	41	63562	62.421	ug/l	91
15) Acrylonitrile	5.36	53	38549	259.123	ug/l	99
16) Acetone	4.12	43	47265	292.597	ug/l	95
17) Carbon Disulfide	4.37	76	123210	51.274	ug/l	100
18) Methyl Acetate	4.67	43	21810	56.772	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	60810	54.549	ug/l #	92
20) Methylene Chloride	4.91	84	49706	63.194	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	45128	52.842	ug/l	92
22) Diisopropyl ether	6.31	45	112826	59.173	ug/l	97
23) Vinyl Acetate	6.25	43	312926	276.234	ug/l	97
24) 1,1-Dichloroethane	6.21	63	77722	55.409	ug/l	98
25) 2-Butanone	7.16	43	51446	271.905	ug/l	94
26) 2,2-Dichloropropane	7.16	77	57391	55.913	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	47907	52.653	ug/l	96
28) Bromochloromethane	7.51	49	29304	61.273	ug/l	89
29) Tetrahydrofuran	7.52	42	30216	267.734	ug/l	94
30) Chloroform	7.67	83	80733	50.858	ug/l	99
31) Cyclohexane	7.96	56	73015	56.860	ug/l	92
32) 1,1,1-Trichloroethane	7.87	97	75541	52.251	ug/l	99
36) 1,1-Dichloropropene	8.08	75	66385	55.931	ug/l	99
37) Ethyl Acetate	7.25	43	21084	51.473	ug/l	98
38) Carbon Tetrachloride	8.07	117	71628	51.243	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	86581	58.705	ug/l	97
40) Benzene	8.32	78	175226	55.325	ug/l	99
41) Methacrylonitrile	7.48	41	13391	57.581	ug/l	89
42) 1,2-Dichloroethane	8.40	62	53050	49.981	ug/l	99
43) Isopropyl Acetate	8.43	43	43786	53.356	ug/l	99
44) Trichloroethene	9.09	130	50421	52.642	ug/l	95
45) 1,2-Dichloropropane	9.37	63	41067	58.436	ug/l	98
46) Dibromomethane	9.46	93	21603	49.937	ug/l	96
47) Bromodichloromethane	9.65	83	57893	50.904	ug/l	99
48) Methyl methacrylate	9.44	41	22219	54.242	ug/l	94
49) 1,4-Dioxane	9.45	88	7401	1079.046	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	102484	264.246	ug/l	97
52) Toluene	10.39	92	117456	55.274	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	60339	53.339	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	69313	55.471	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	30622	51.346	ug/l	96
56) Ethyl methacrylate	10.65	69	37970	53.886	ug/l	95
57) 1,3-Dichloropropane	10.93	76	51638	52.142	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	91056	283.030	ug/l	97
59) 2-Hexanone	10.97	43	76462	280.334	ug/l	99
60) Dibromochloromethane	11.13	129	37302	47.238	ug/l	100
61) 1,2-Dibromoethane	11.24	107	29624	49.051	ug/l	99
64) Tetrachloroethene	10.86	164	41082	53.185	ug/l	99
65) Chlorobenzene	11.66	112	126847	53.726	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	43907	52.046	ug/l	99
67) Ethyl Benzene	11.73	91	231930	57.246	ug/l	98
68) m/p-Xylenes	11.84	106	176155	112.085	ug/l	98
69) o-Xylene	12.17	106	83616	56.758	ug/l	97
70) Styrene	12.18	104	133981	55.327	ug/l	99
71) Bromoform	12.35	173	19465	44.446	ug/l #	97
73) Isopropylbenzene	12.47	105	238553	58.829	ug/l	100
74) N-amyl acetate	12.27	43	40228	57.273	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	31610	51.991	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	45632	110.054	ug/l #	100
77) Bromobenzene	12.75	156	49188	52.929	ug/l	94
78) n-propylbenzene	12.81	91	279125	59.133	ug/l	99
79) 2-Chlorotoluene	12.90	91	159435	57.980	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	203897	58.294	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	10708	54.209	ug/l	97
82) 4-Chlorotoluene	12.99	91	166352	56.816	ug/l	100
83) tert-Butylbenzene	13.21	119	181077	59.002	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	204029	57.808	ug/l	100
85) sec-Butylbenzene	13.39	105	254484	60.167	ug/l	98
86) p-Isopropyltoluene	13.51	119	225420	58.610	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	99842	54.111	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	99238	53.768	ug/l	99
89) n-Butylbenzene	13.83	91	211740	60.044	ug/l	99
90) Hexachloroethane	14.10	117	36190	53.597	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	87464	52.944	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5829	46.685	ug/l	97

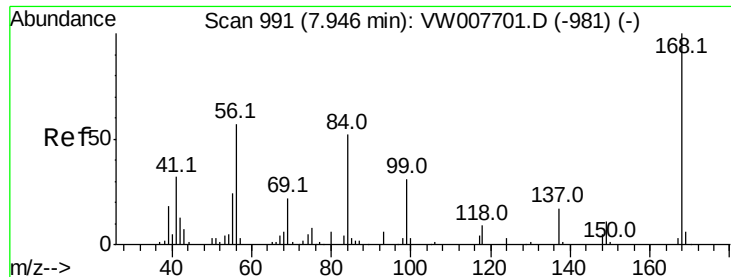
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	61703	53.807	ug/l	99
94) Hexachlorobutadiene	15.24	225	34534	56.350	ug/l	100
95) Naphthalene	15.38	128	113430	53.501	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	51799	52.769	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007880.D

Acq: 24 Dec 2018 10:32

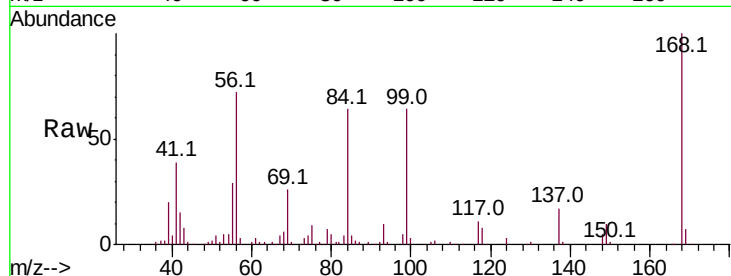
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 78704

Ion Ratio Lower Upper

168 100

99 64.0 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

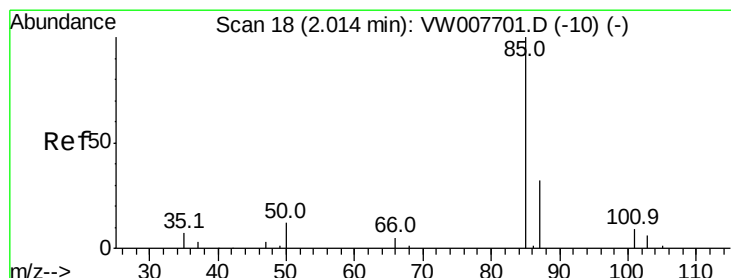
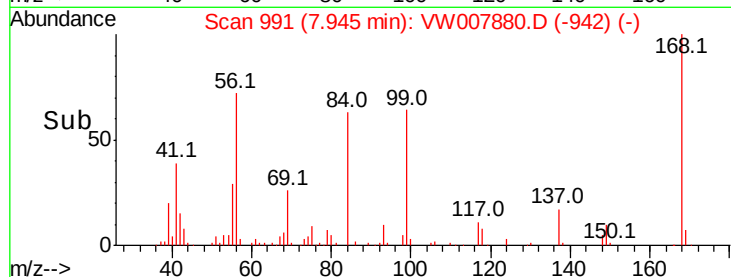
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 51.315 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW007880.D

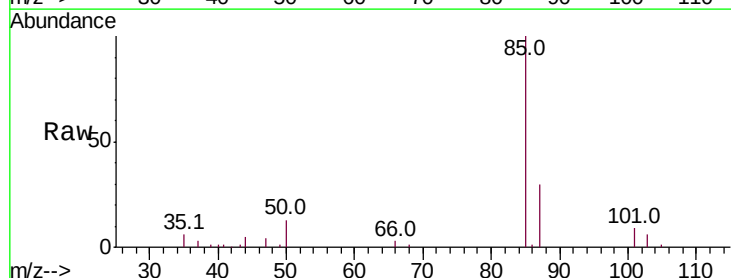
Acq: 24 Dec 2018 10:32

Tgt Ion: 85 Resp: 35904

Ion Ratio Lower Upper

85 100

87 30.4 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

12000

10000

8000

6000

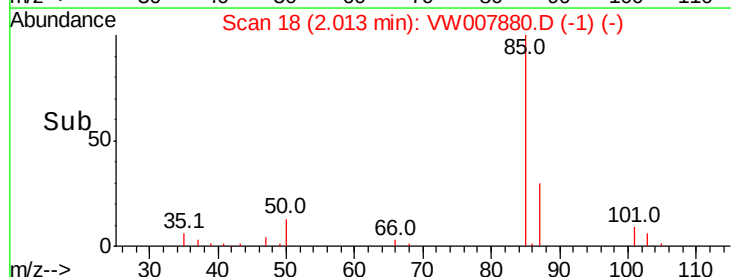
4000

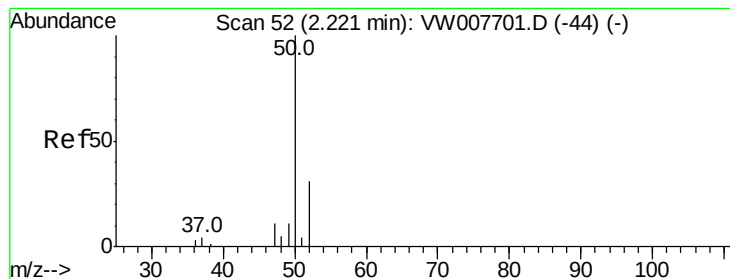
2000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 68.944 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007880.D

Acq: 24 Dec 2018 10:32

Instrument :

MSVOA_W

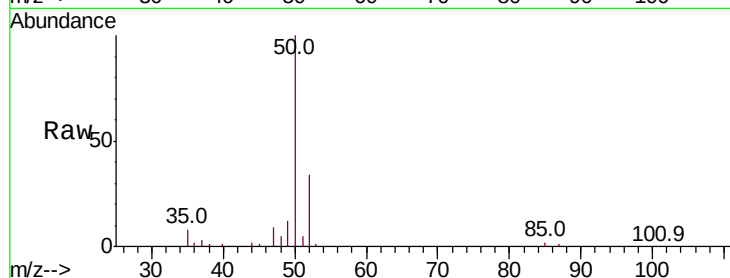
ClientSampled :

Tot Ion: 50 Resp: 29621

Ion Ratio Lower Upper

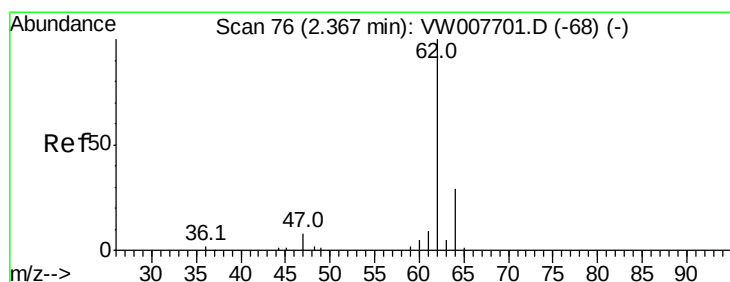
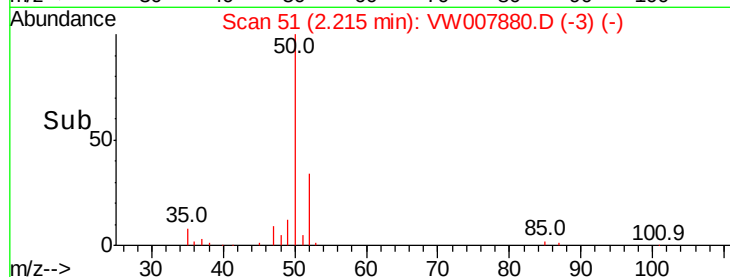
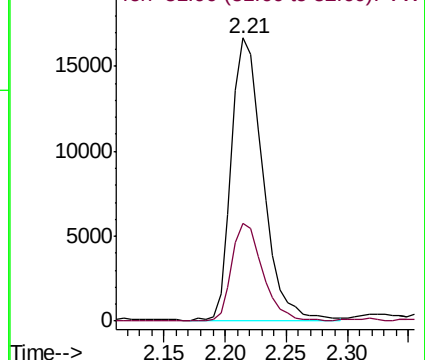
50 100

52 34.5 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: 71.227 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007880.D

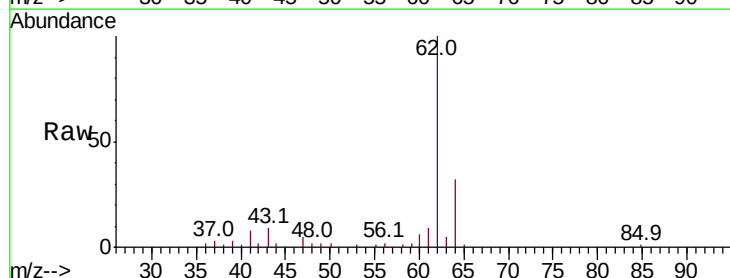
Acq: 24 Dec 2018 10:32

Tgt Ion: 62 Resp: 38955

Ion Ratio Lower Upper

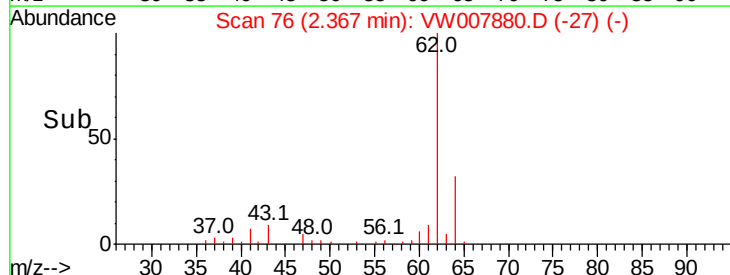
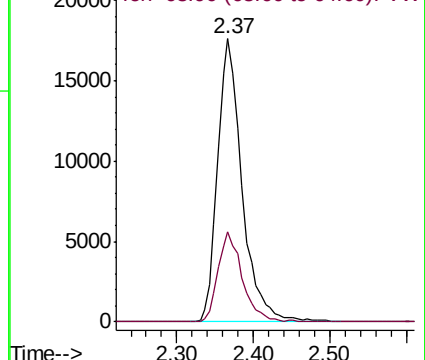
62 100

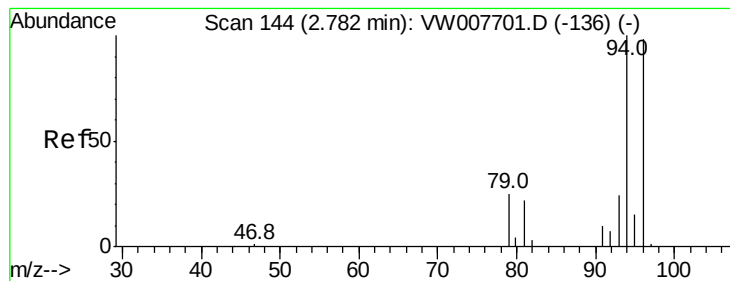
64 31.8 23.4 35.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 60.584 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW007880.D

Acq: 24 Dec 2018 10:32

Instrument :

MSVOA_W

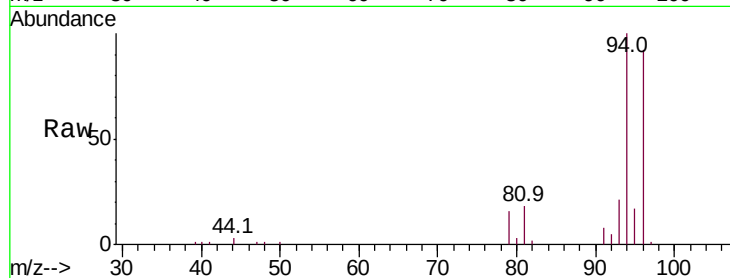
ClientSampled :

Tot Ion: 94 Resp: 23078

Ion Ratio Lower Upper

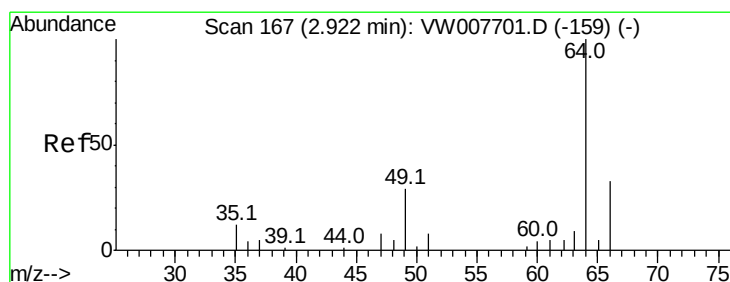
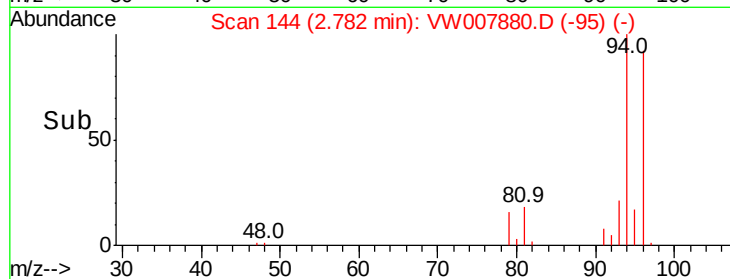
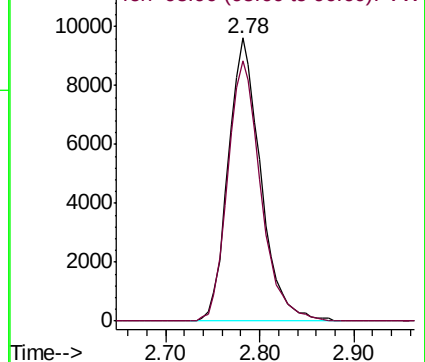
94 100

96 91.9 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: 67.664 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW007880.D

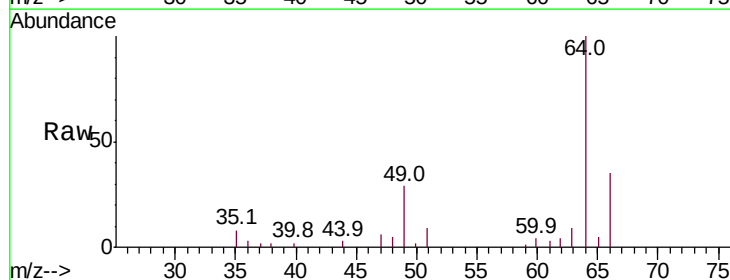
Acq: 24 Dec 2018 10:32

Tgt Ion: 64 Resp: 19798

Ion Ratio Lower Upper

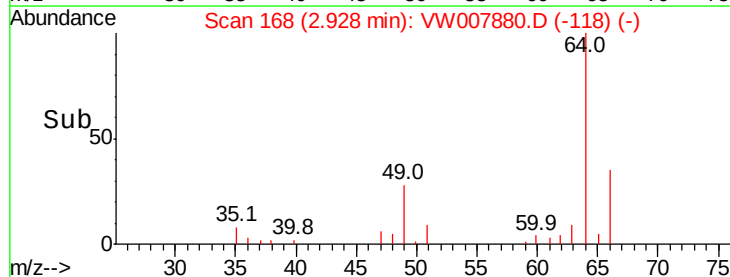
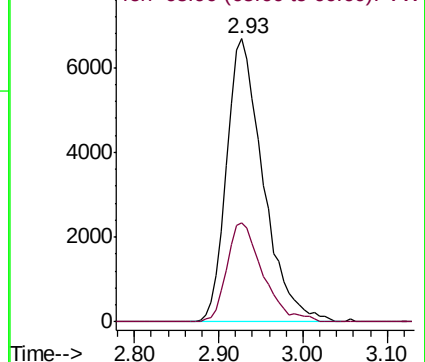
64 100

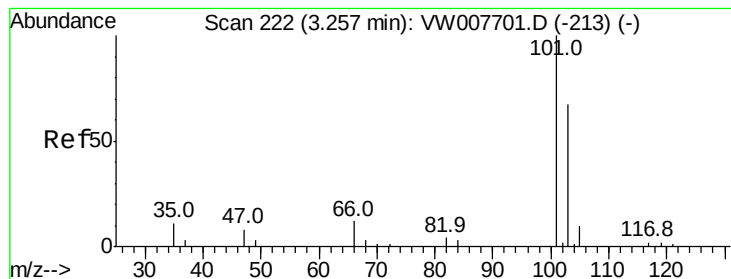
66 34.8 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



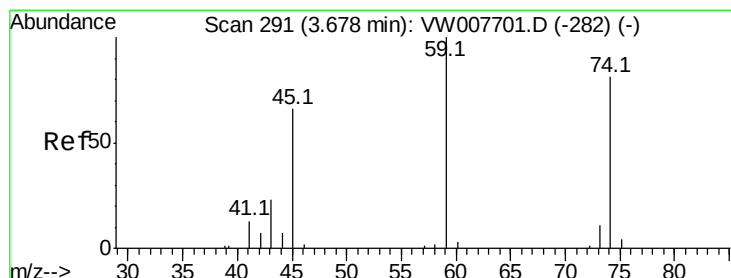
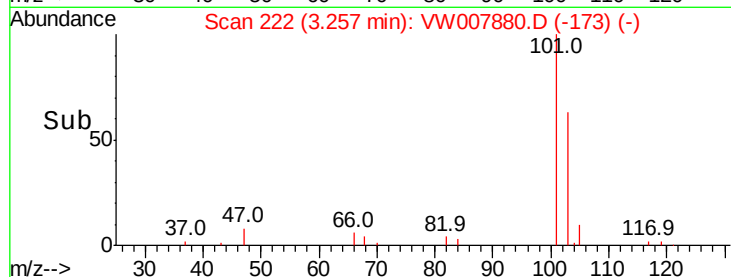
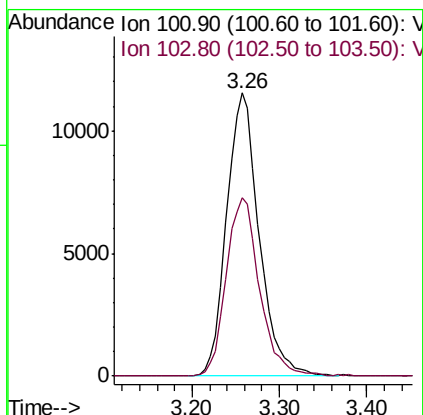
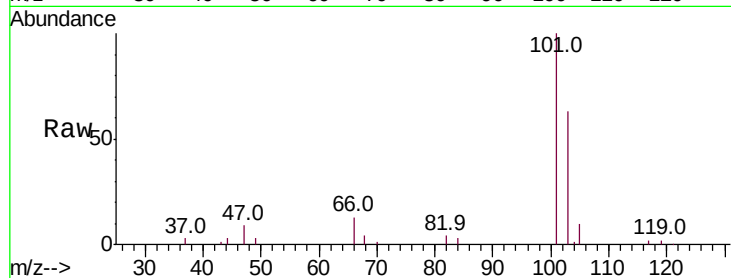


#7

Trichlorofluoromethane
 Concen: 52.367 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW007880.D
 Acq: 24 Dec 2018 10:32

Instrument :
 MSVOA_W
 ClientSampled :

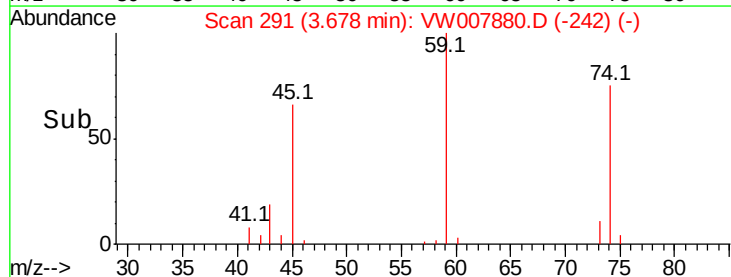
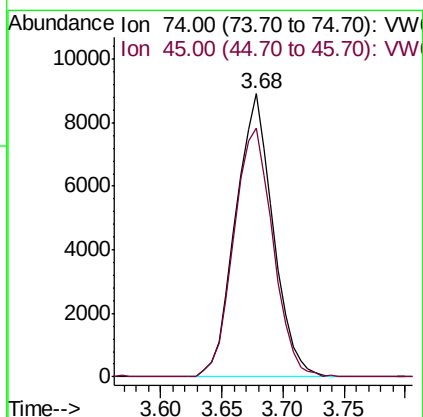
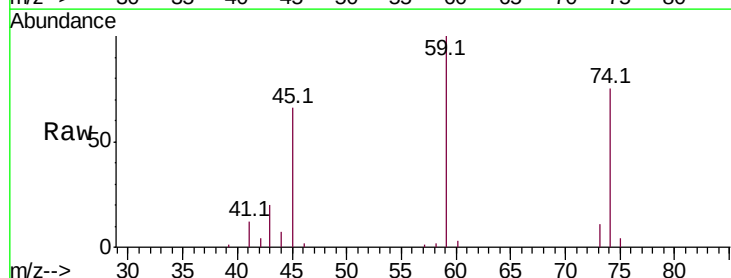
Tot Ion:101 Resp: 29817
 Ion Ratio Lower Upper
 101 100
 103 63.1 53.4 80.2

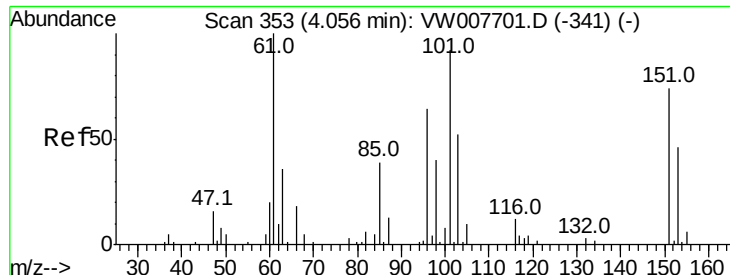


#8

Diethyl Ether
 Concen: 54.454 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW007880.D
 Acq: 24 Dec 2018 10:32

Tgt Ion: 74 Resp: 18991
 Ion Ratio Lower Upper
 74 100
 45 91.3 39.4 118.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.932 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007880.D

Acq: 24 Dec 2018 10:32

Instrument :

MSVOA_W

ClientSampled :

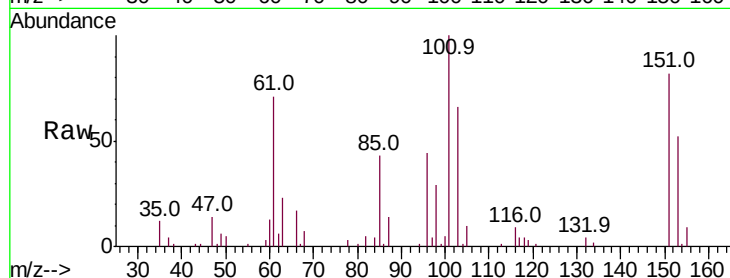
Tot Ion:101 Resp: 45226

Ion Ratio Lower Upper

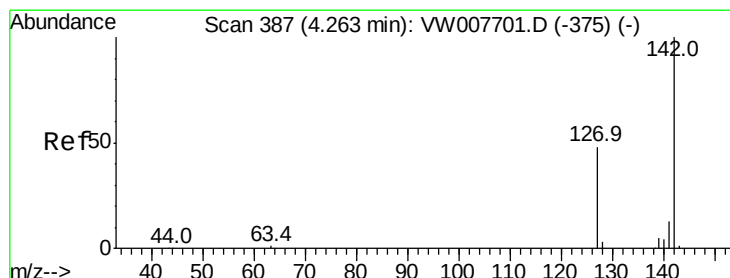
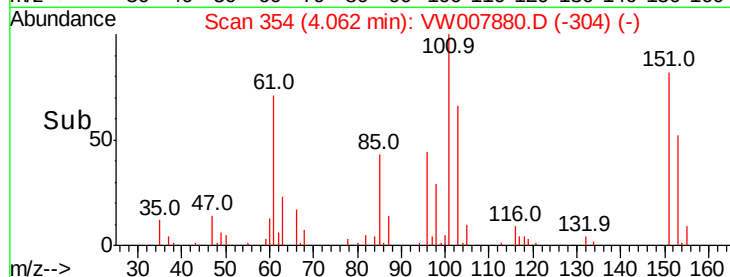
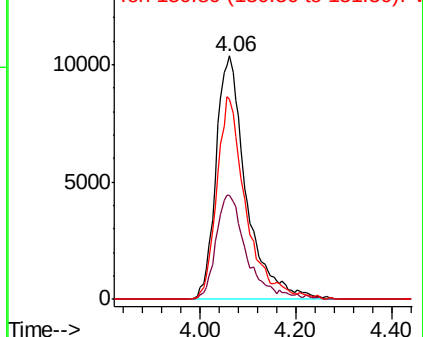
101 100

85 41.7 34.3 51.5

151 80.4 64.6 96.8



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



#10

Methyl Iodide

Concen: 50.858 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW007880.D

Acq: 24 Dec 2018 10:32

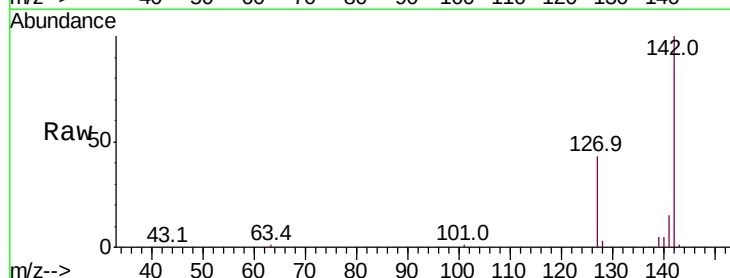
Tgt Ion:142 Resp: 67823

Ion Ratio Lower Upper

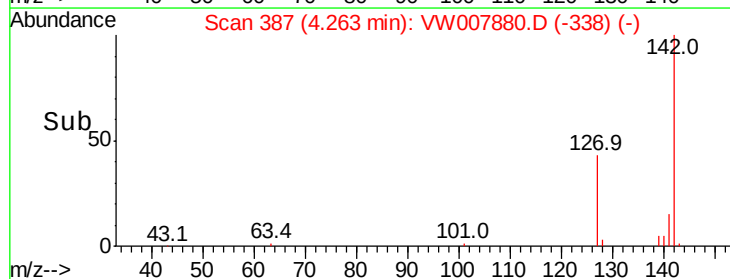
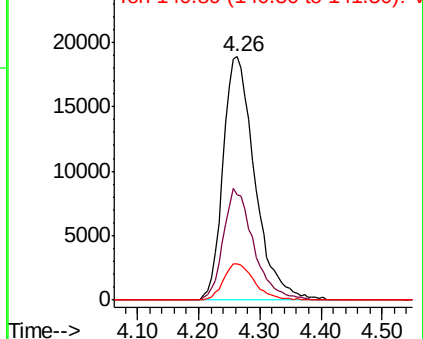
142 100

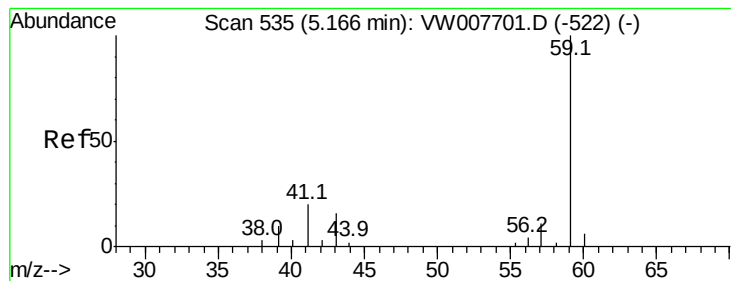
127 43.7 37.7 56.5

141 14.6 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



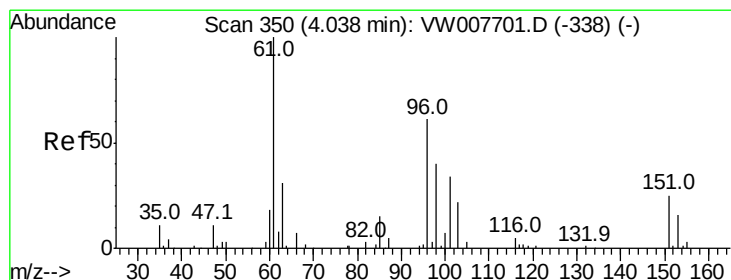
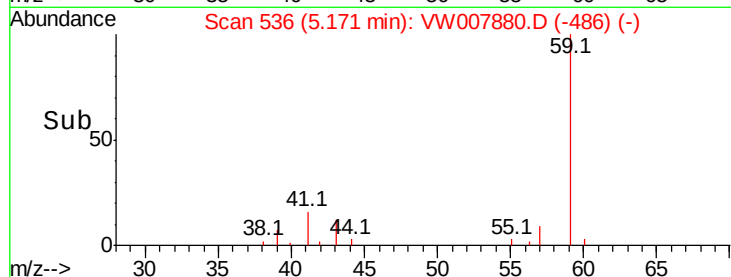
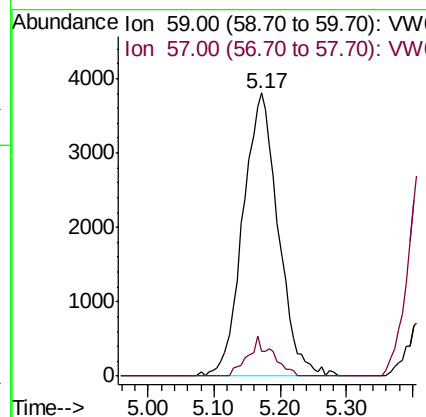
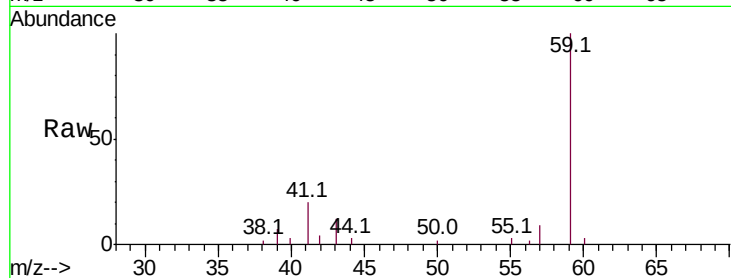


#11

Tert butyl alcohol
 Concen: 242.493 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW007880.D
 Acq: 24 Dec 2018 10:32

Instrument :
 MSVOA_W
 ClientSampleId :

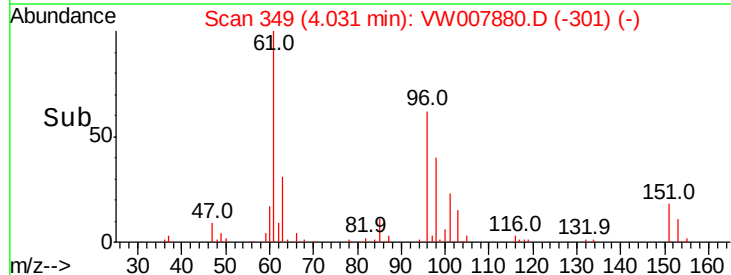
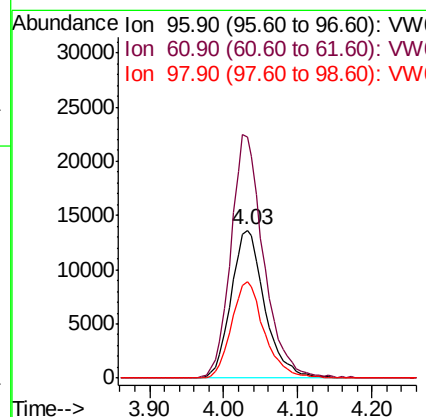
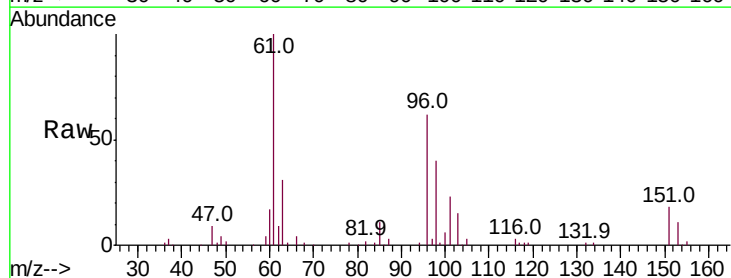
Tot Ion: 59 Resp: 14111
 Ion Ratio Lower Upper
 59 100
 57 9.8 7.8 11.8

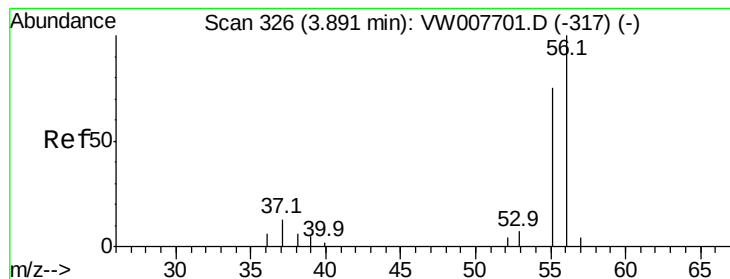


#12

1,1-Dichloroethene
 Concen: 55.422 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW007880.D
 Acq: 24 Dec 2018 10:32

Tgt Ion: 96 Resp: 43036
 Ion Ratio Lower Upper
 96 100
 61 162.4 130.6 195.8
 98 64.7 52.3 78.5





#13

Acrolein

Concen: 255.549 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW007880.D

Acq: 24 Dec 2018 10:32

Instrument :

MSVOA_W

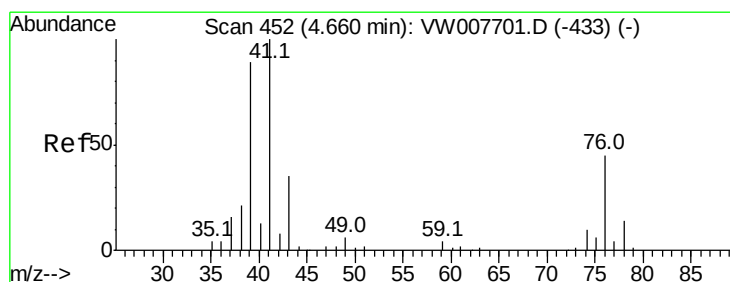
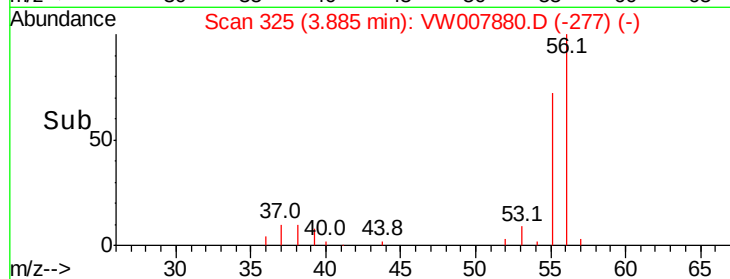
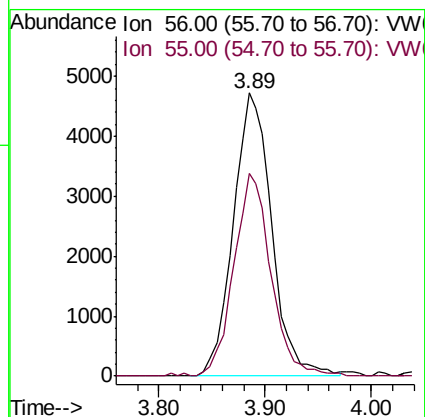
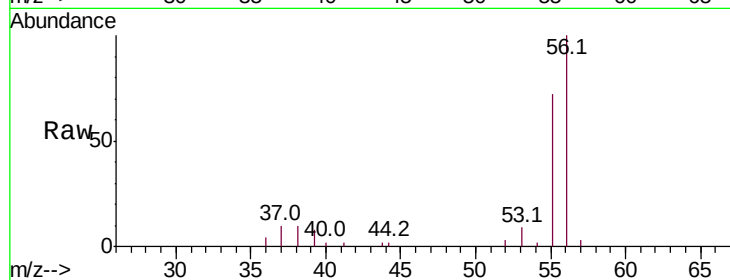
ClientSampled :

Tot Ion: 56 Resp: 11890

Ion Ratio Lower Upper

56 100

55 69.3 57.7 86.5



#14

Allyl chloride

Concen: 62.421 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW007880.D

Acq: 24 Dec 2018 10:32

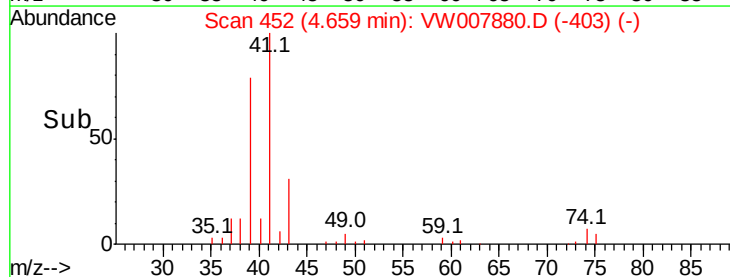
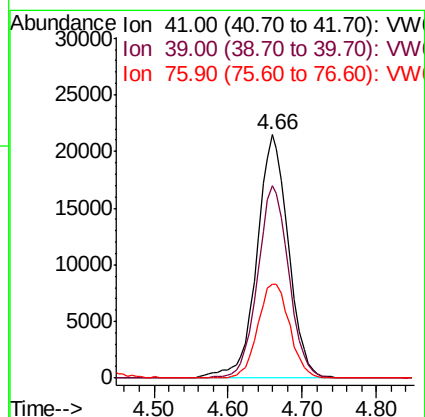
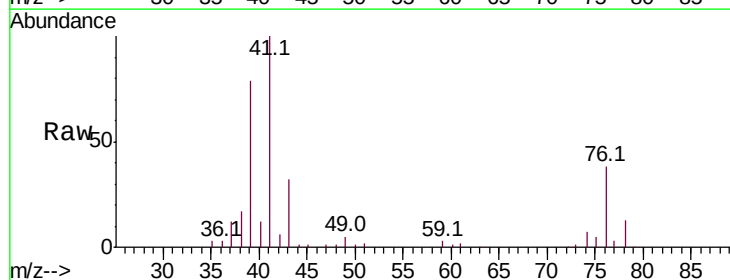
Tgt Ion: 41 Resp: 63562

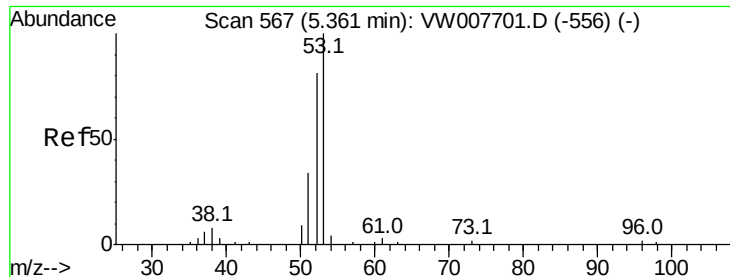
Ion Ratio Lower Upper

41 100

39 78.3 69.5 104.3

76 38.9 34.8 52.2





#15

Acrylonitrile

Concen: 259.123 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW007880.D

Acq: 24 Dec 2018 10:32

Instrument :

MSVOA_W

ClientSampleId :

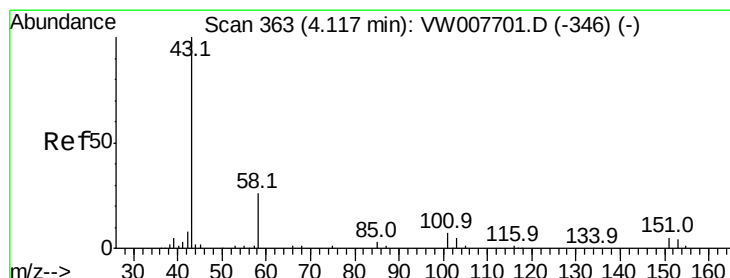
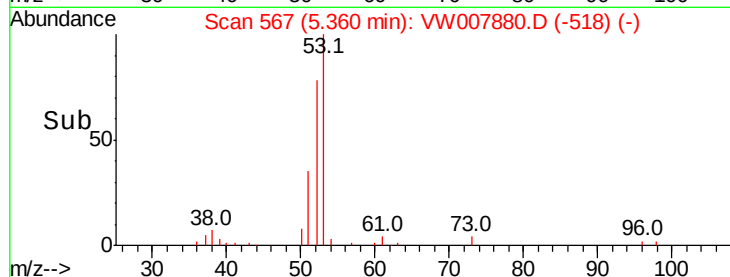
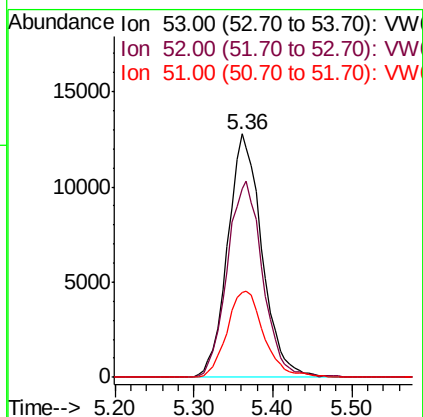
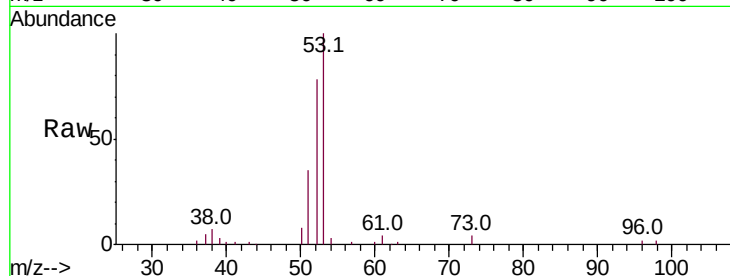
Tot Ion: 53 Resp: 38549

Ion Ratio Lower Upper

53 100

52 83.0 67.0 100.4

51 38.0 30.2 45.2



#16

Acetone

Concen: 292.597 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007880.D

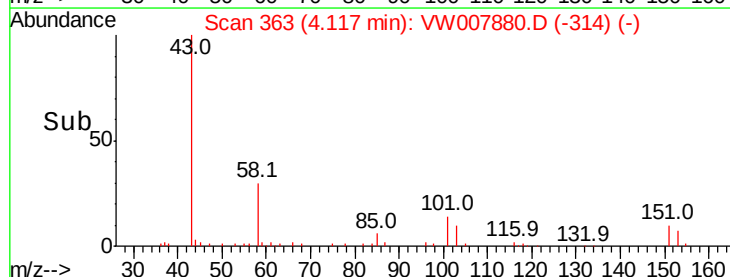
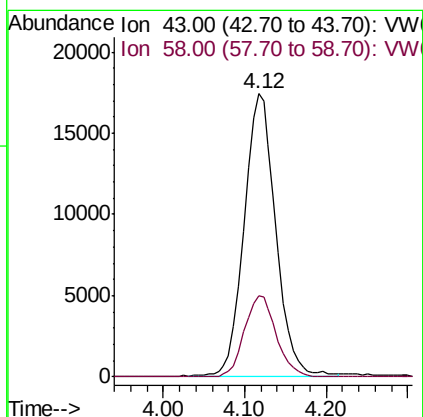
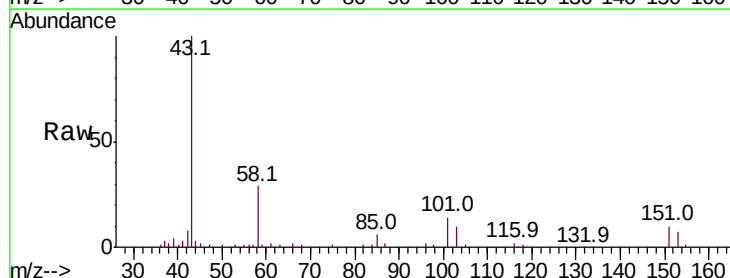
Acq: 24 Dec 2018 10:32

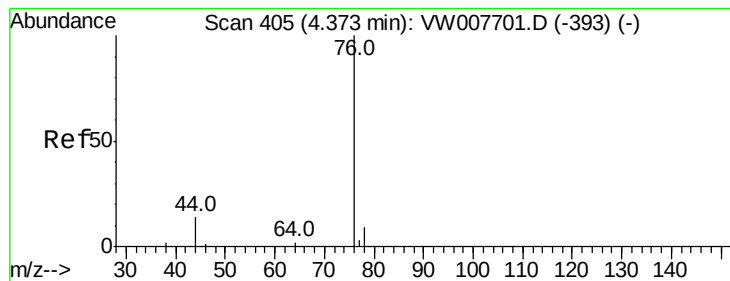
Tgt Ion: 43 Resp: 47265

Ion Ratio Lower Upper

43 100

58 28.8 21.2 31.8





#17

Carbon Disulfide

Concen: 51.274 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW007880.D

Acq: 24 Dec 2018 10:32

Instrument :

MSVOA_W

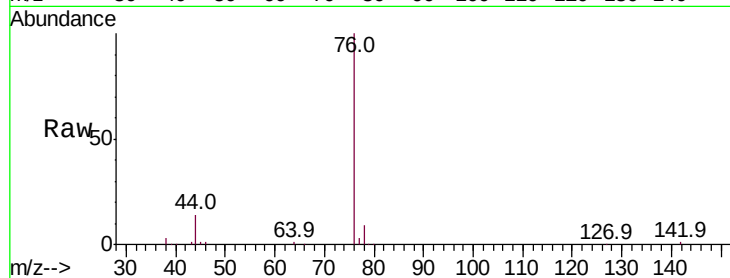
ClientSampleId :

Tot Ion: 76 Resp: 123210

Ion Ratio Lower Upper

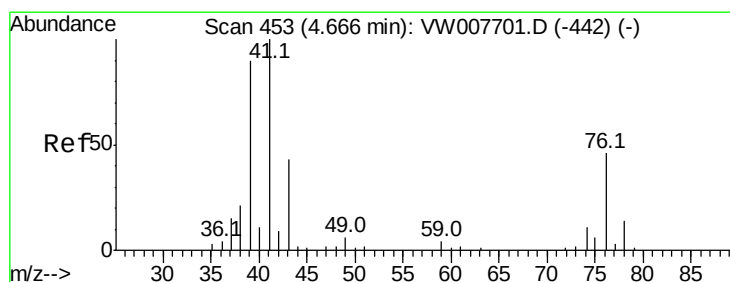
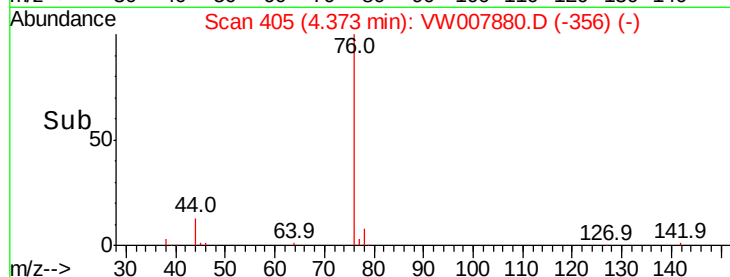
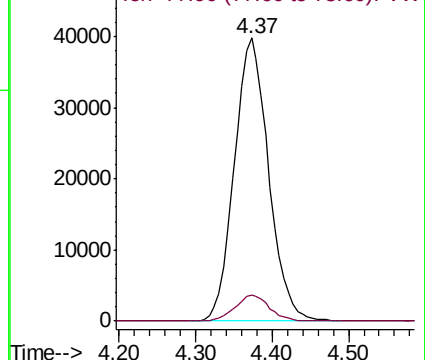
76 100

78 9.0 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 56.772 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW007880.D

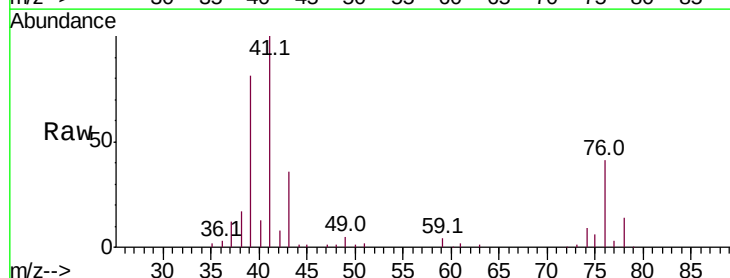
Acq: 24 Dec 2018 10:32

Tgt Ion: 43 Resp: 21810

Ion Ratio Lower Upper

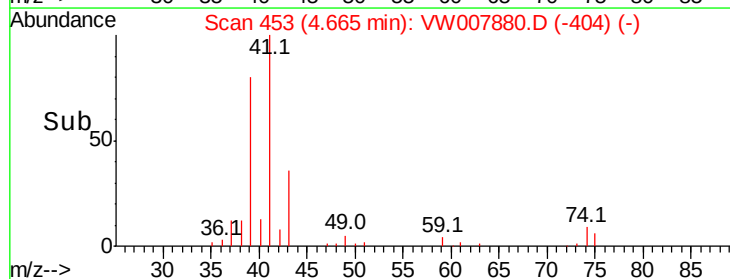
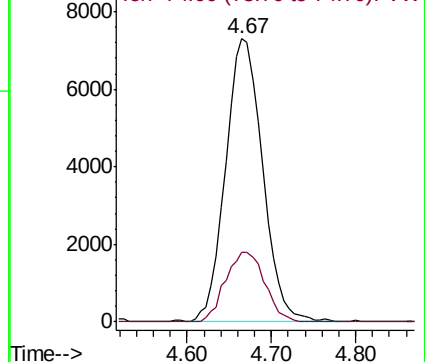
43 100

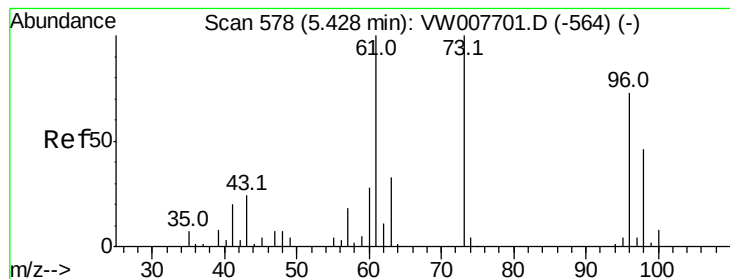
74 26.0 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



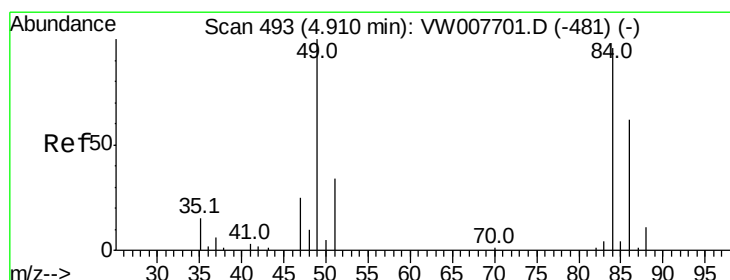
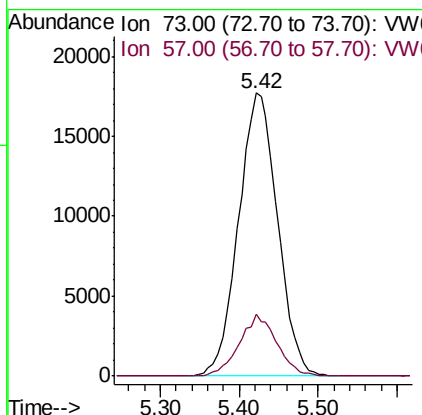
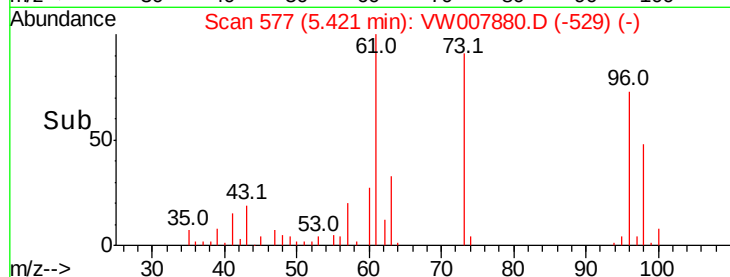
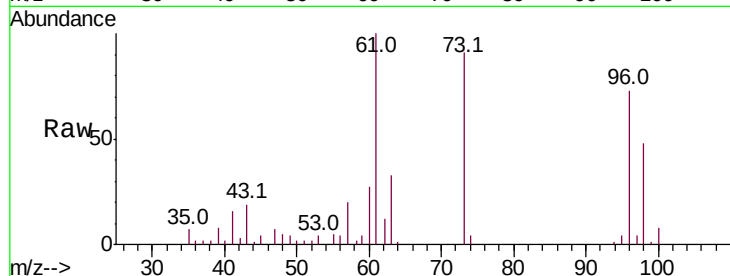


#19

Methyl tert-butyl Ether
 Concen: 54.549 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW007880.D
 Acq: 24 Dec 2018 10:32

Instrument :
 MSVOA_W
 ClientSampleId :

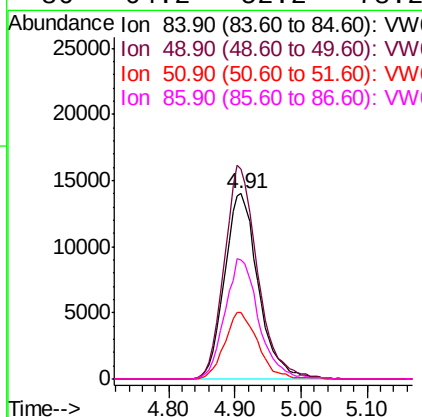
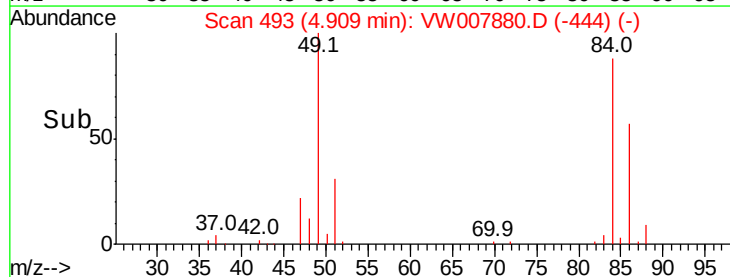
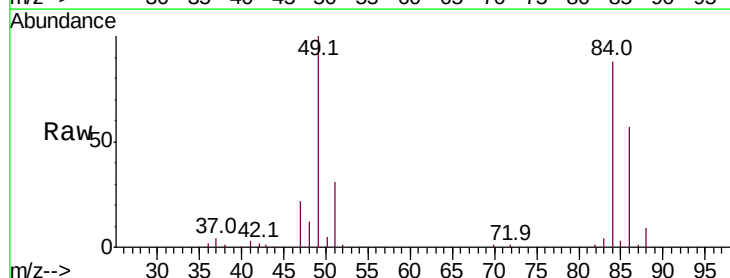
Tot Ion: 73 Resp: 60810
 Ion Ratio Lower Upper
 73 100
 57 22.1 14.7 22.1#

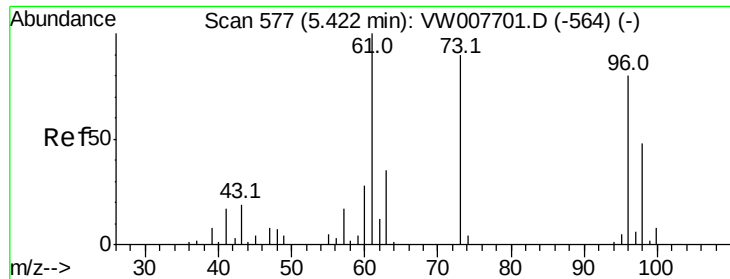


#20

Methylene Chloride
 Concen: 63.194 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW007880.D
 Acq: 24 Dec 2018 10:32

Tgt Ion: 84 Resp: 49706
 Ion Ratio Lower Upper
 84 100
 49 113.4 83.7 125.5
 51 35.6 28.2 42.2
 86 64.2 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 52.842 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW007880.D

Acq: 24 Dec 2018 10:32

Instrument :

MSVOA_W

ClientSampled :

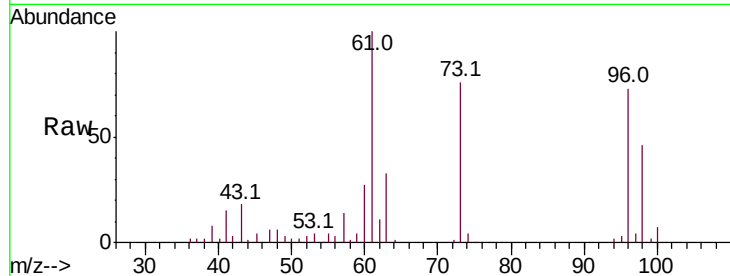
Tot Ion: 96 Resp: 45128

Ion Ratio Lower Upper

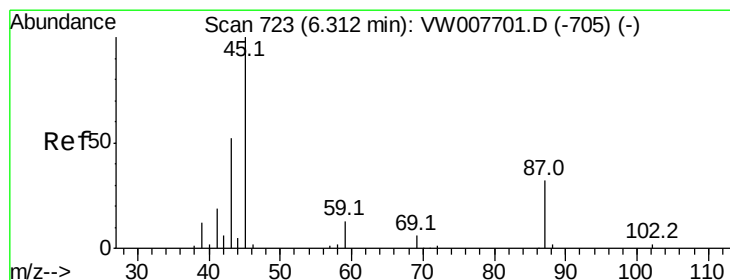
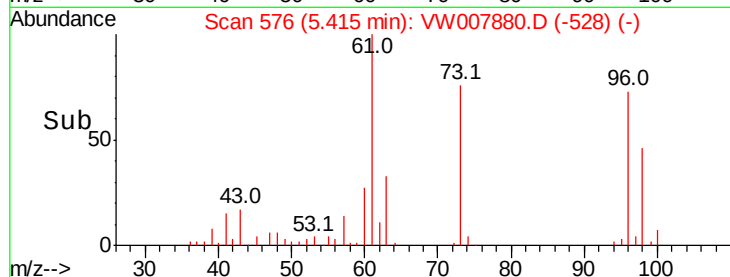
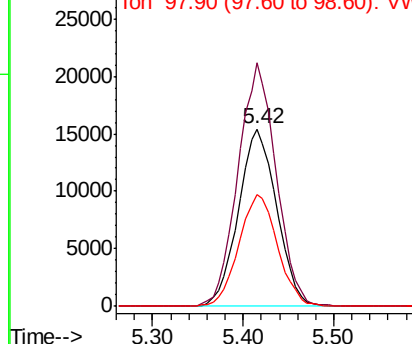
96 100

61 137.0 100.1 150.1

98 62.8 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: 59.173 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007880.D

Acq: 24 Dec 2018 10:32

Tgt Ion: 45 Resp: 112826

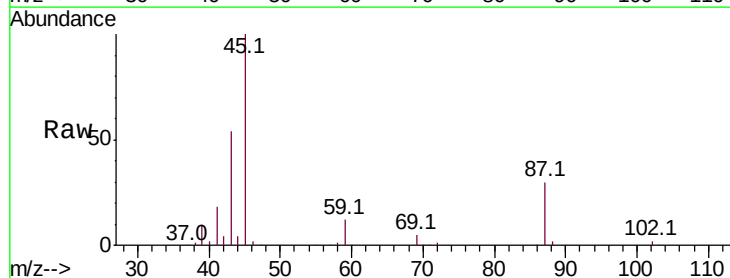
Ion Ratio Lower Upper

45 100

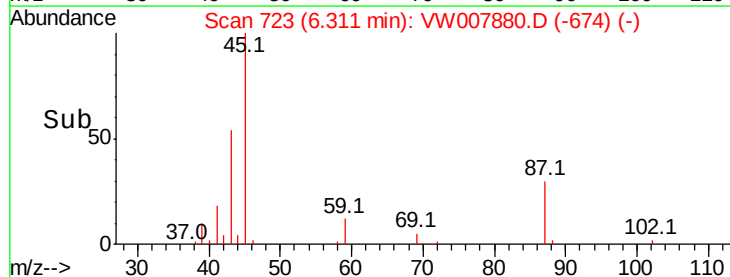
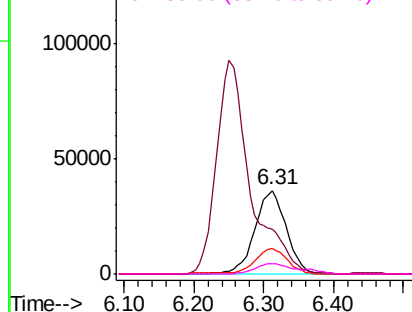
43 53.5 43.7 65.5

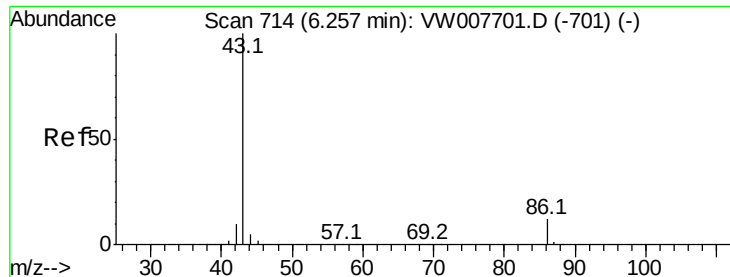
87 30.2 26.6 40.0

59 12.1 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: 276.234 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW007880.D

Acq: 24 Dec 2018 10:32

Instrument :

MSVOA_W

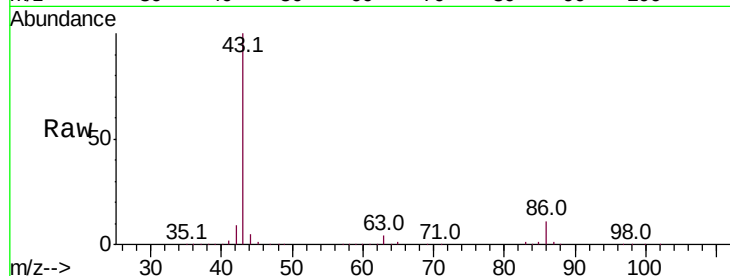
ClientSampleId :

Tot Ion: 43 Resp: 312926

Ion Ratio Lower Upper

43 100

86 11.0 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

100000

80000

60000

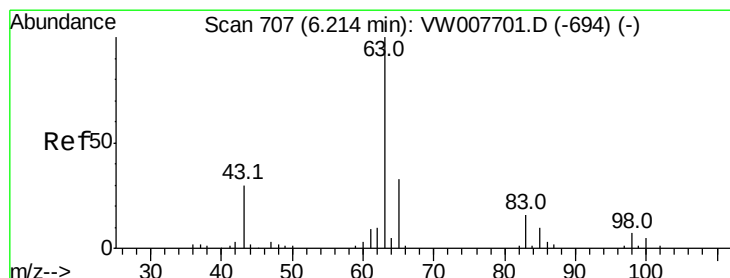
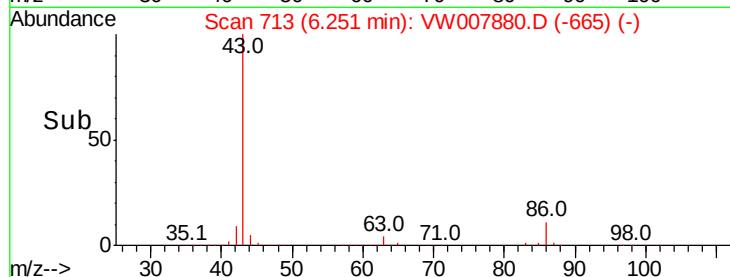
40000

20000

0

6.10 6.20 6.30 6.40

Time-->



#24

1,1-Dichloroethane

Concen: 55.409 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW007880.D

Acq: 24 Dec 2018 10:32

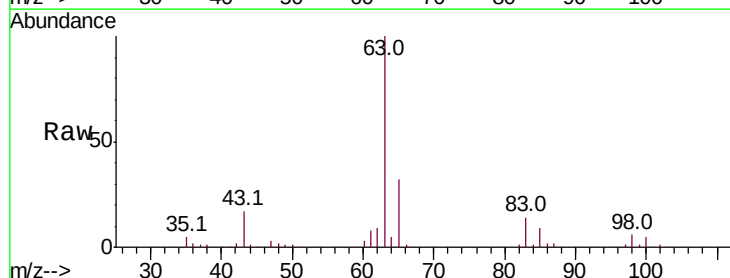
Tgt Ion: 63 Resp: 77722

Ion Ratio Lower Upper

63 100

98 6.4 3.6 10.9

100 4.6 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

6.21

30000

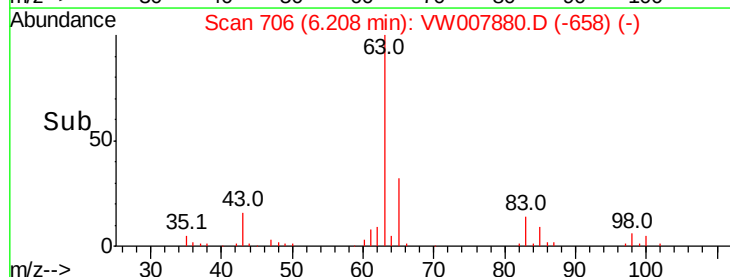
20000

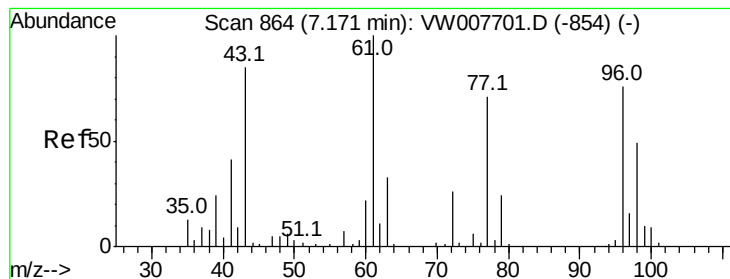
10000

0

6.10 6.20 6.30

Time-->





#25

2-Butanone

Concen: 271.905 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW007880.D

Acq: 24 Dec 2018 10:32

Instrument :

MSVOA_W

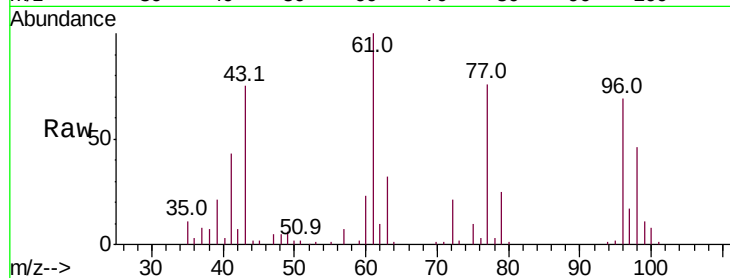
ClientSampled :

Tot Ion: 43 Resp: 51446

Ion Ratio Lower Upper

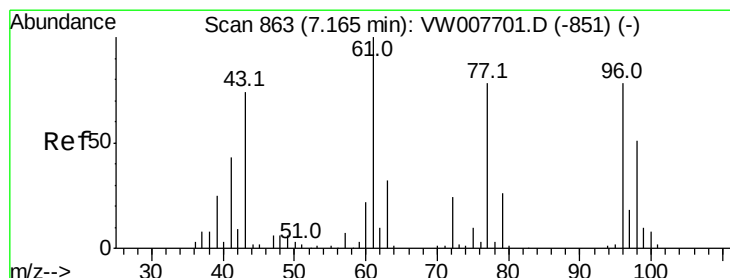
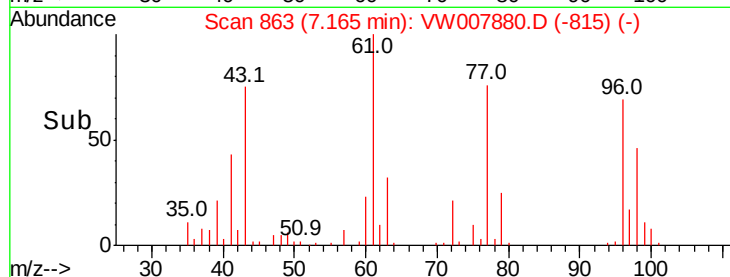
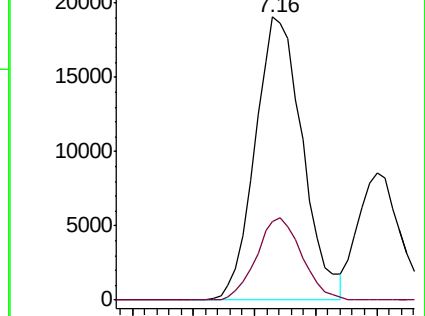
43 100

72 27.6 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: 55.913 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007880.D

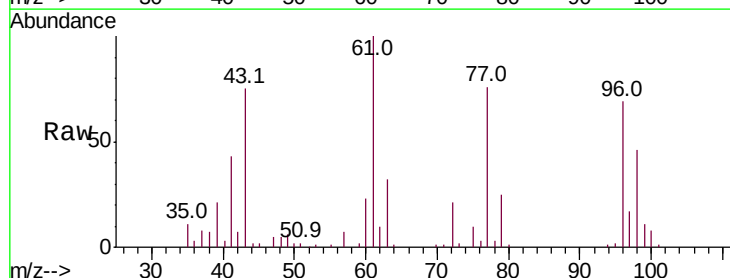
Acq: 24 Dec 2018 10:32

Tgt Ion: 77 Resp: 57391

Ion Ratio Lower Upper

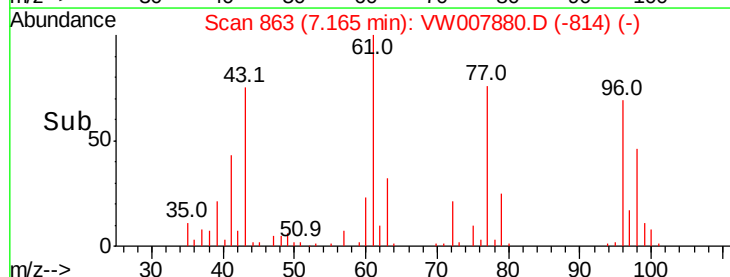
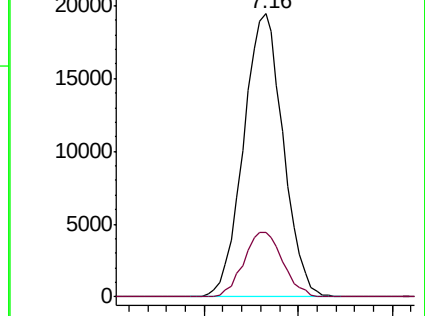
77 100

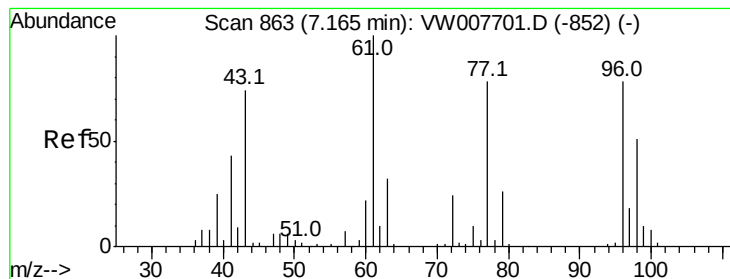
97 22.5 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



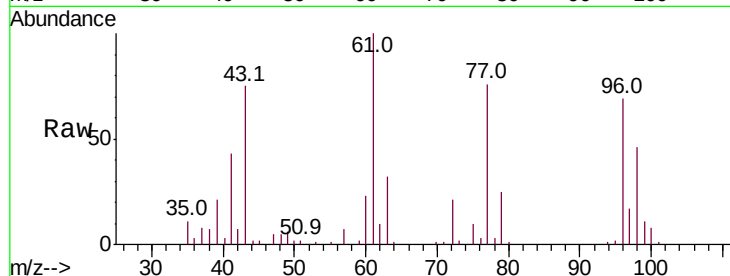


#27

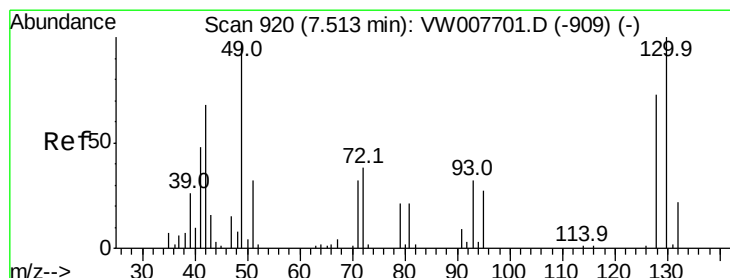
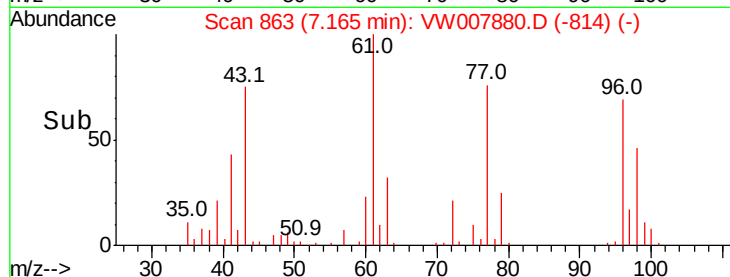
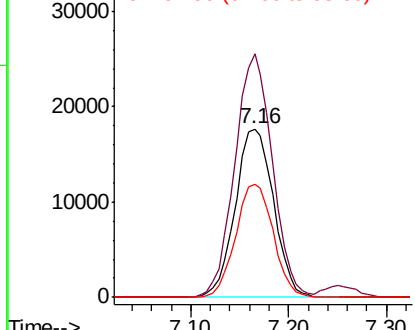
cis-1,2-Dichloroethene
Concen: 52.653 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007880.D
Acq: 24 Dec 2018 10:32

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 96 Resp: 47907
Ion Ratio Lower Upper
96 100
61 142.3 0.0 271.6
98 65.9 0.0 131.2



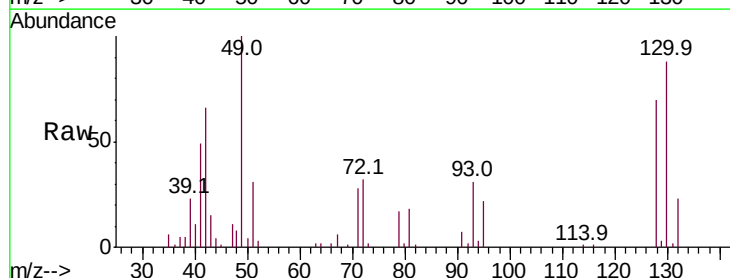
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



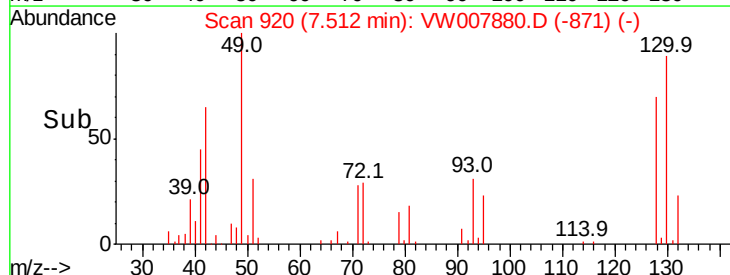
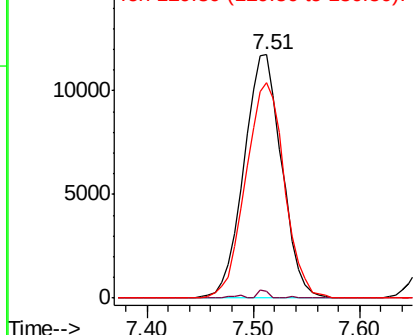
#28

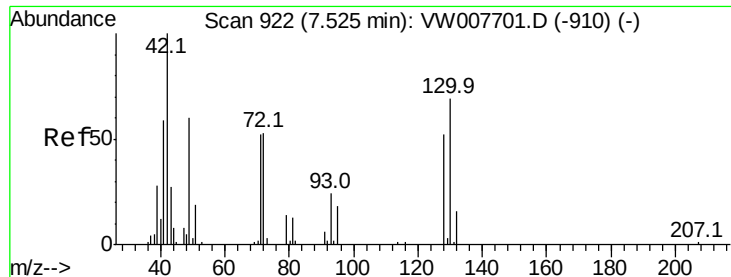
Bromochloromethane
Concen: 61.273 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW007880.D
Acq: 24 Dec 2018 10:32

Tgt Ion: 49 Resp: 29304
Ion Ratio Lower Upper
49 100
129 0.9 0.0 2.2
130 90.6 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

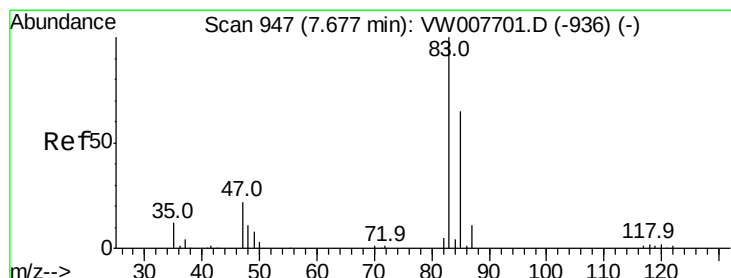
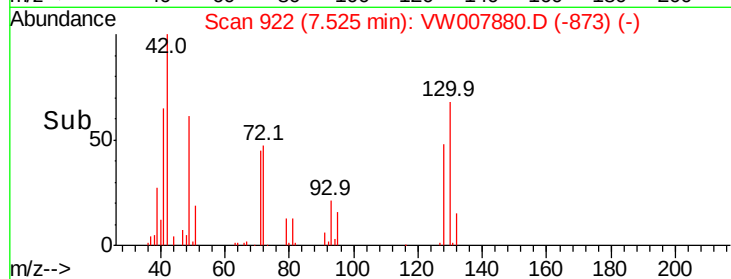
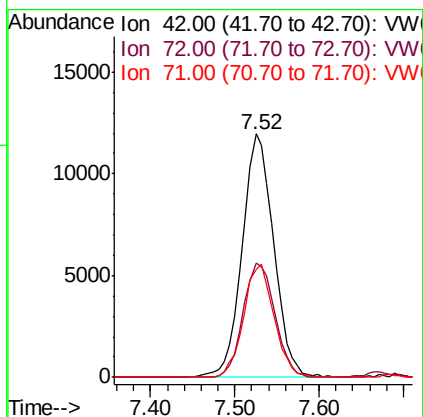
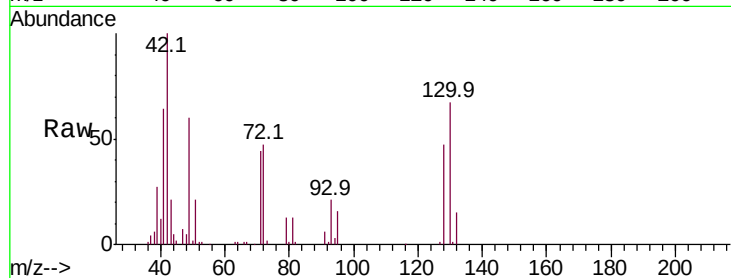




#29
Tetrahydrofuran
Concen: 267.734 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW007880.D
Acq: 24 Dec 2018 10:32

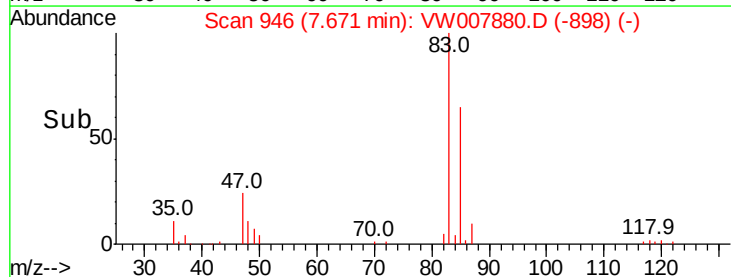
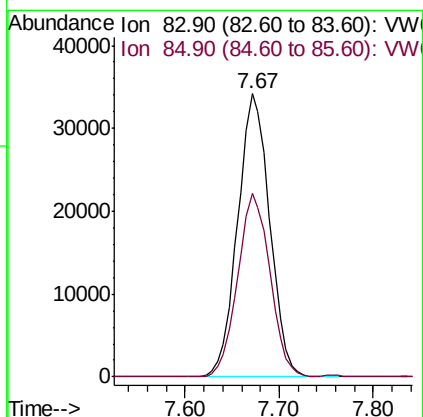
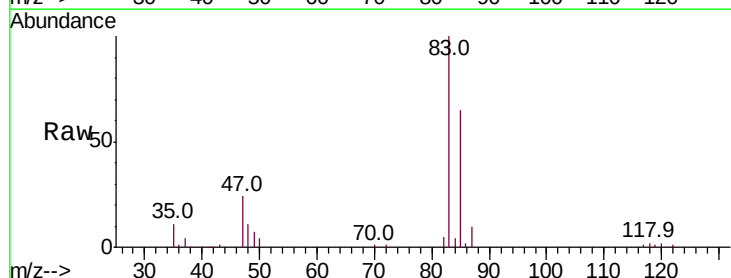
Instrument :
MSVOA_W
ClientSampleId :

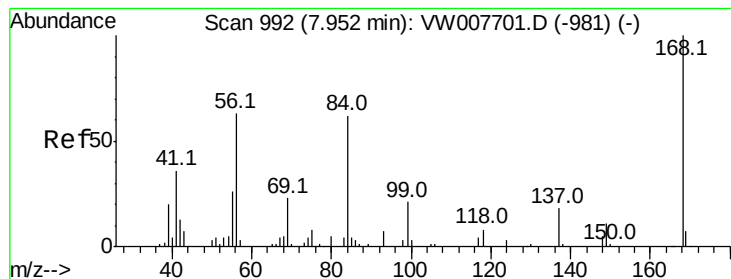
Tot Ion: 42 Resp: 30216
Ion Ratio Lower Upper
42 100
72 47.3 41.7 62.5
71 44.7 39.0 58.6



#30
Chloroform
Concen: 50.858 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW007880.D
Acq: 24 Dec 2018 10:32

Tgt Ion: 83 Resp: 80733
Ion Ratio Lower Upper
83 100
85 64.7 52.2 78.2

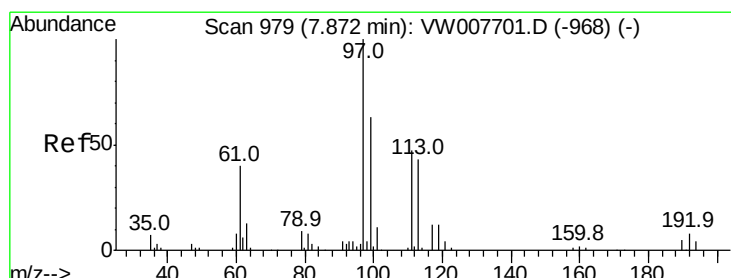
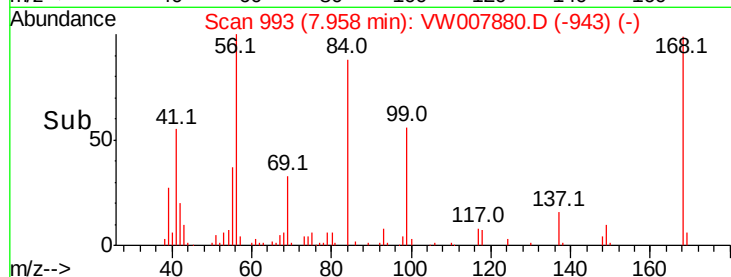
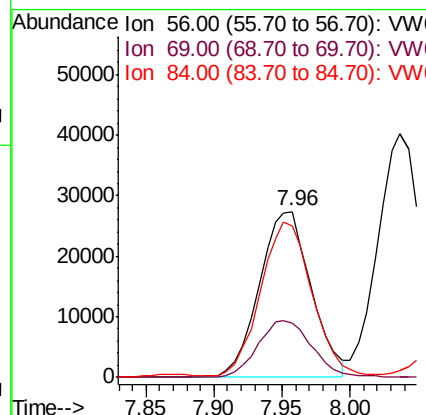
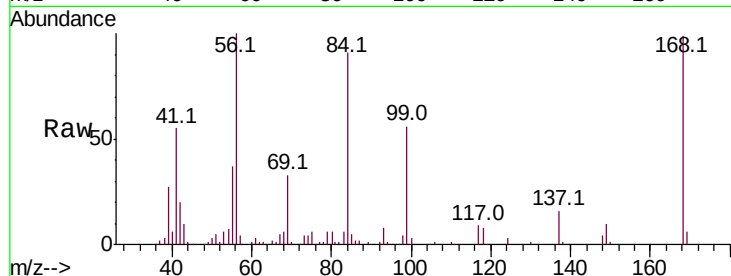




#31
Cyclohexane
Concen: 56.860 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW007880.D
Acq: 24 Dec 2018 10:32

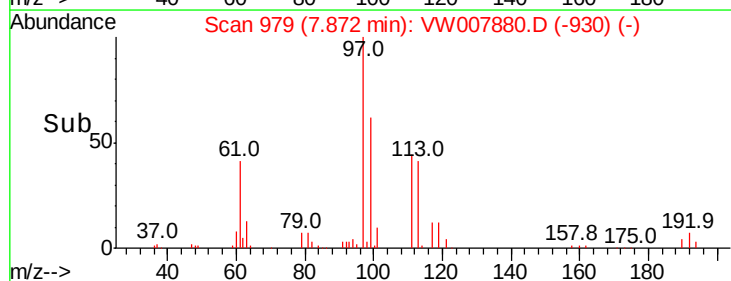
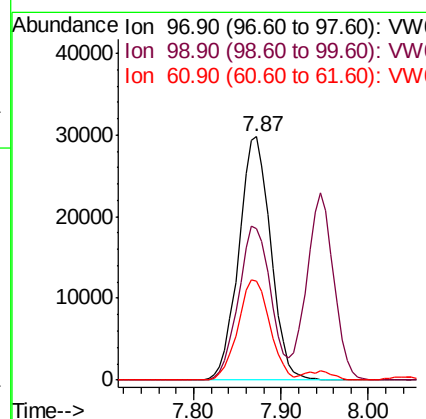
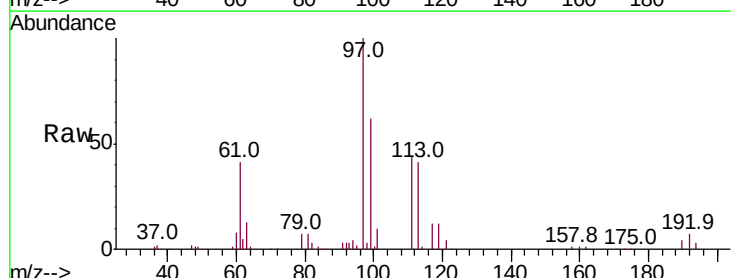
Instrument :
MSVOA_W
ClientSampled :

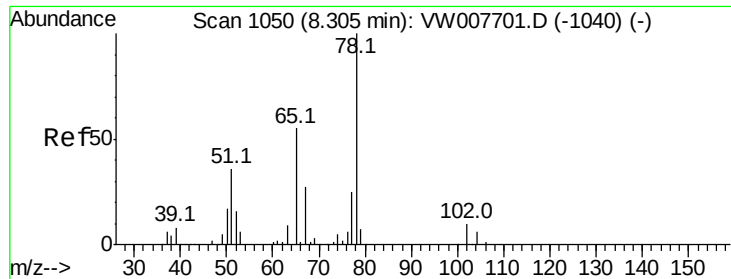
Tot Ion: 56 Resp: 73015
Ion Ratio Lower Upper
56 100
69 32.8 29.7 44.5
84 89.9 78.9 118.3



#32
1,1,1-Trichloroethane
Concen: 52.251 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW007880.D
Acq: 24 Dec 2018 10:32

Tgt Ion: 97 Resp: 75541
Ion Ratio Lower Upper
97 100
99 64.5 50.6 76.0
61 41.1 32.3 48.5

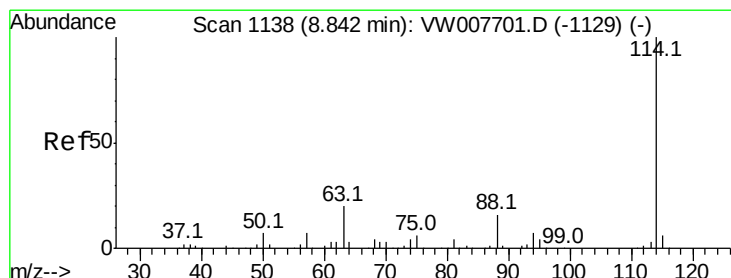
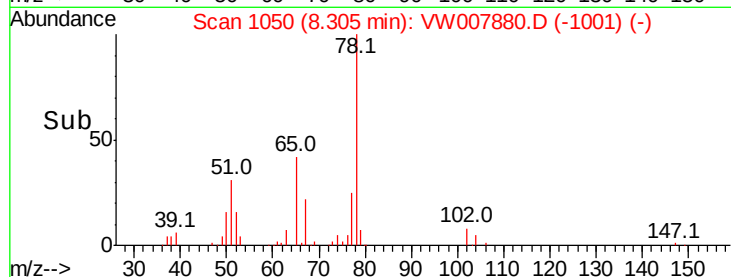
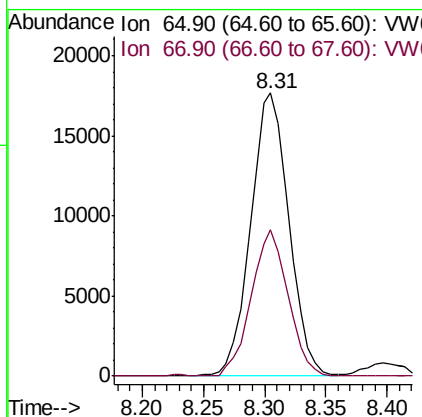
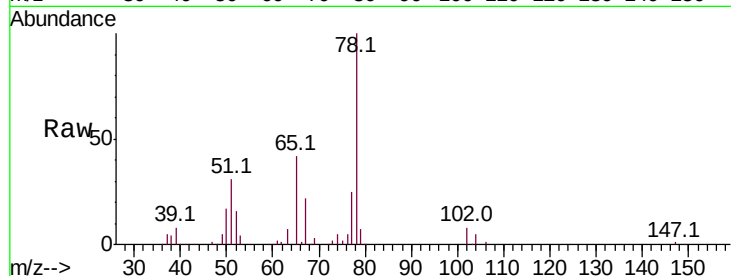




#33
 1,2-Dichloroethane-d4
 Concen: 44.535 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007880.D
 Acq: 24 Dec 2018 10:32

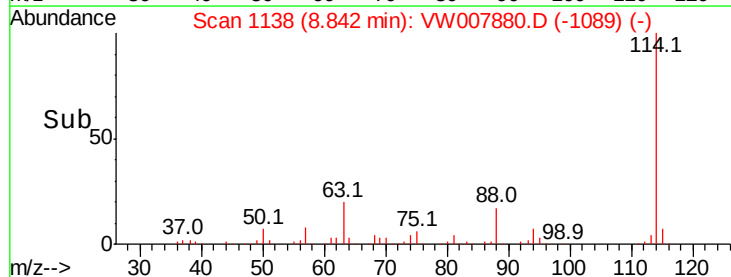
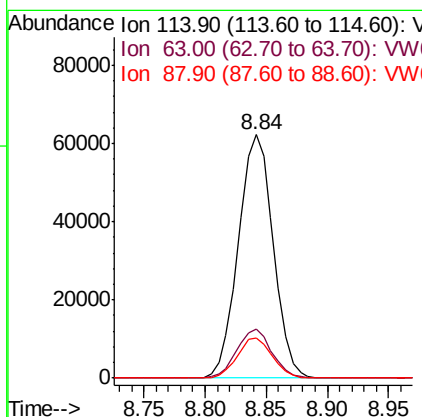
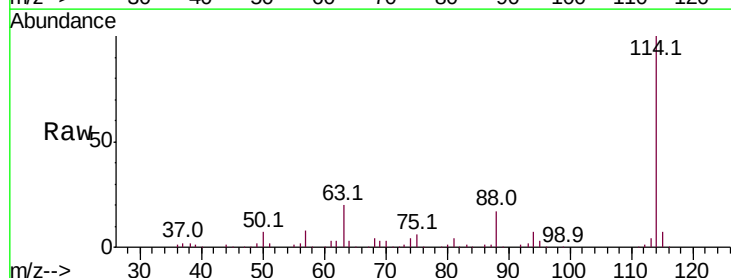
Instrument :
 MSVOA_W
 ClientSampled :

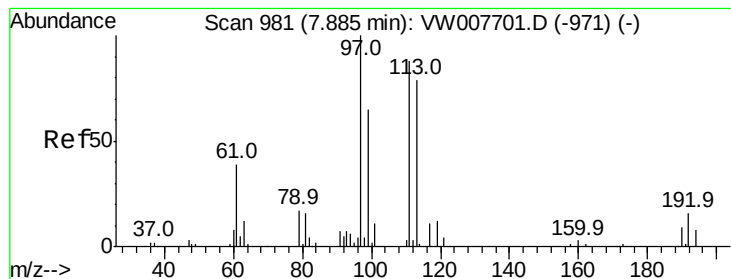
Tot Ion: 65 Resp: 38417
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007880.D
 Acq: 24 Dec 2018 10:32

Tgt Ion: 114 Resp: 122972
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.0
 88 16.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.105 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007880.D

Acq: 24 Dec 2018 10:32

Instrument :

MSVOA_W

ClientSampled :

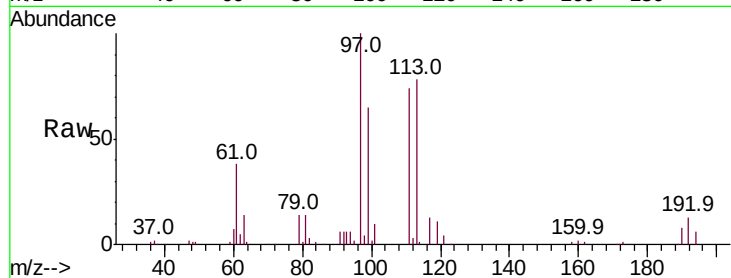
Tot Ion:113 Resp: 36088

Ion Ratio Lower Upper

113 100

111 102.1 82.6 124.0

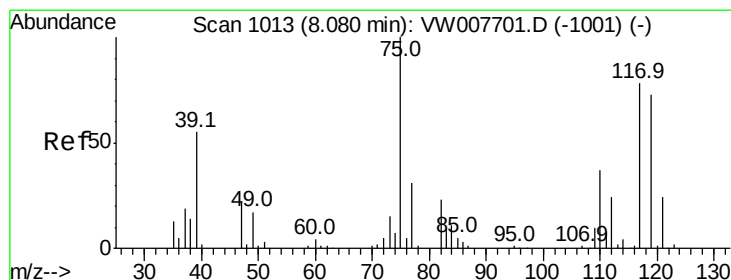
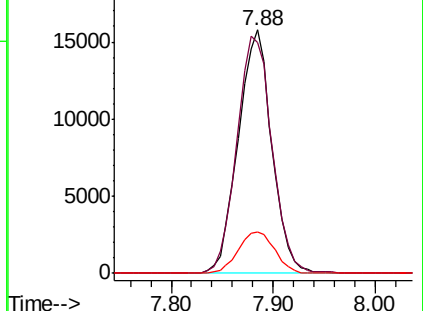
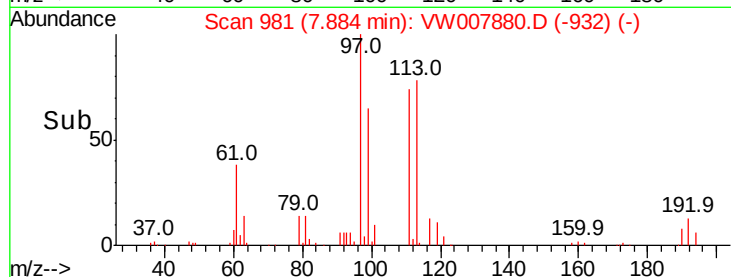
192 18.3 15.5 23.3



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: 55.931 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW007880.D

Acq: 24 Dec 2018 10:32

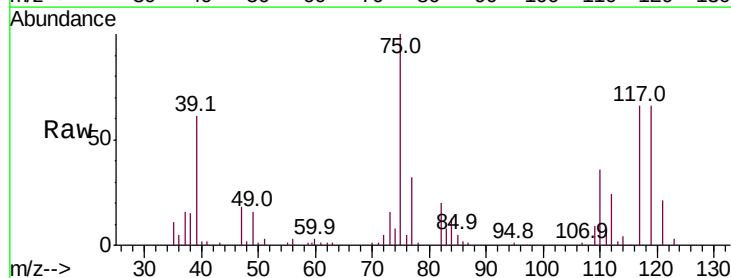
Tgt Ion: 75 Resp: 66385

Ion Ratio Lower Upper

75 100

110 35.9 18.6 55.8

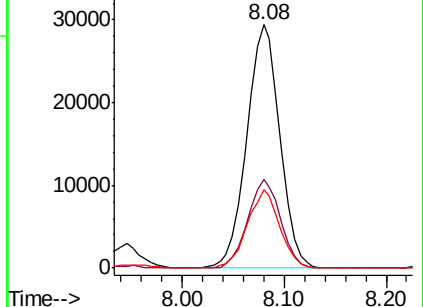
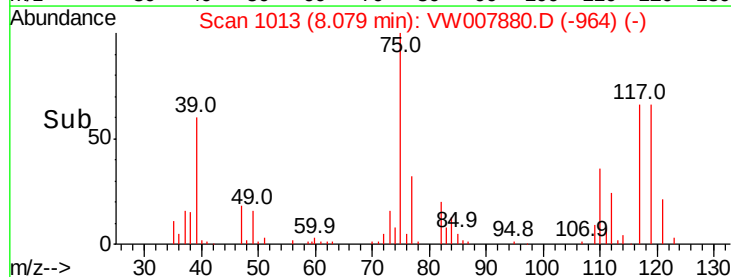
77 31.6 25.0 37.4

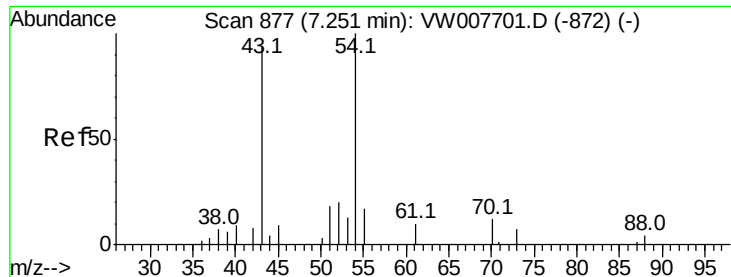


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 51.473 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW007880.D

Acq: 24 Dec 2018 10:32

Instrument :

MSVOA_W

ClientSampled :

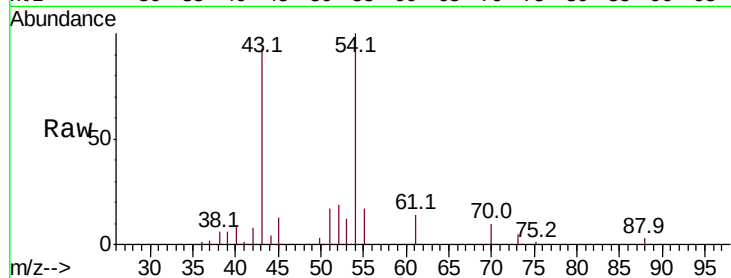
Tot Ion: 43 Resp: 21084

Ion Ratio Lower Upper

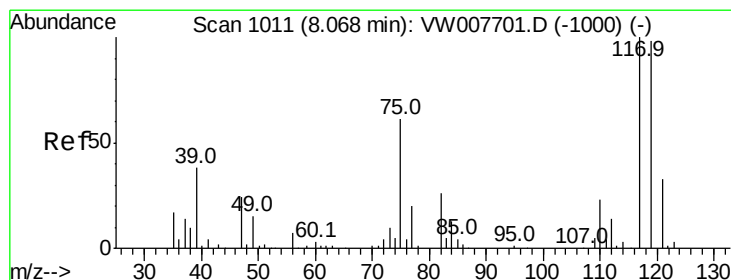
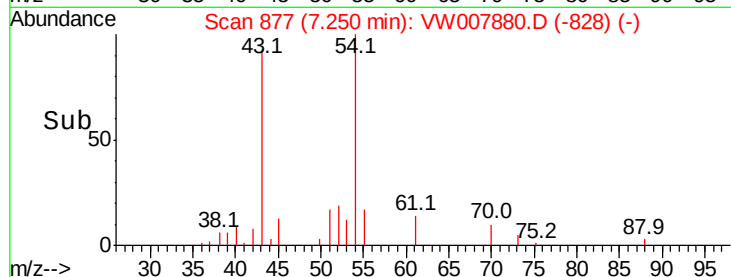
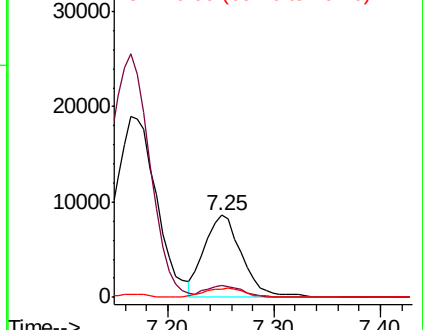
43 100

61 13.3 11.2 16.8

70 12.1 9.3 13.9



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 51.243 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW007880.D

Acq: 24 Dec 2018 10:32

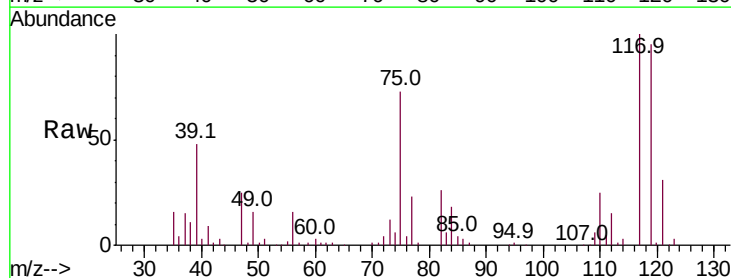
Tgt Ion: 117 Resp: 71628

Ion Ratio Lower Upper

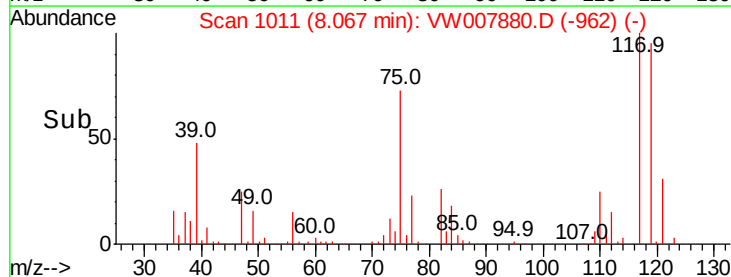
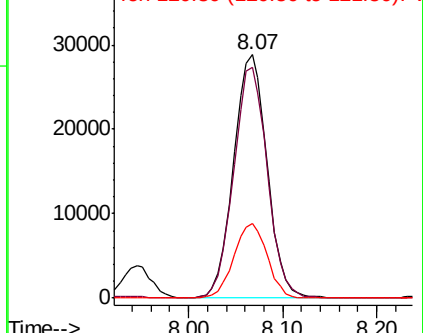
117 100

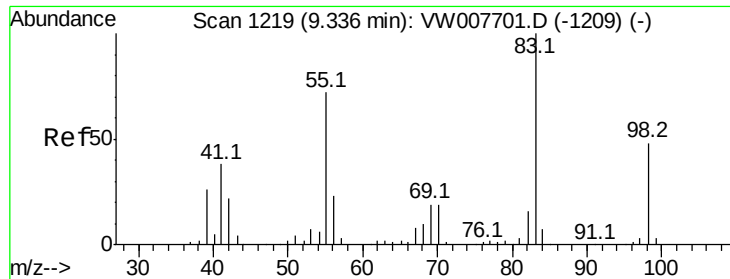
119 94.8 78.2 117.2

121 30.8 26.1 39.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

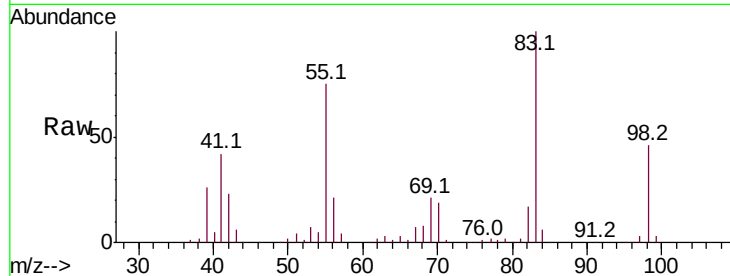




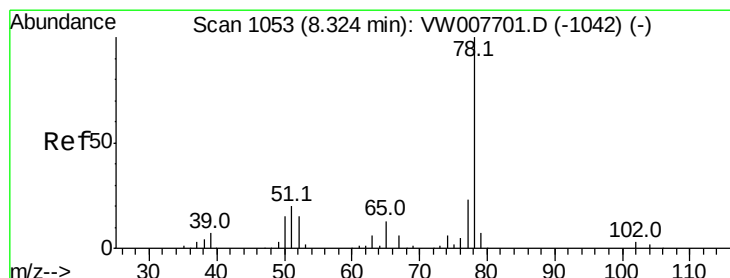
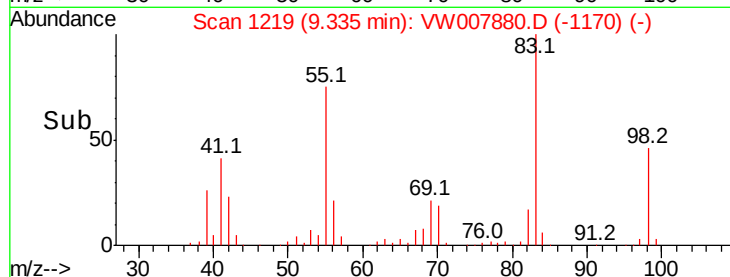
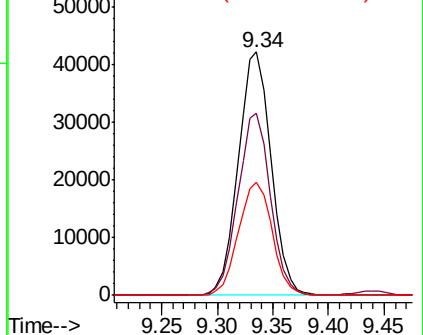
#39
Methylvlcyclohexane
Concen: 58.705 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007880.D
Acq: 24 Dec 2018 10:32

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 83 Resp: 86581
Ion Ratio Lower Upper
83 100
55 74.6 57.2 85.8
98 46.4 38.6 58.0

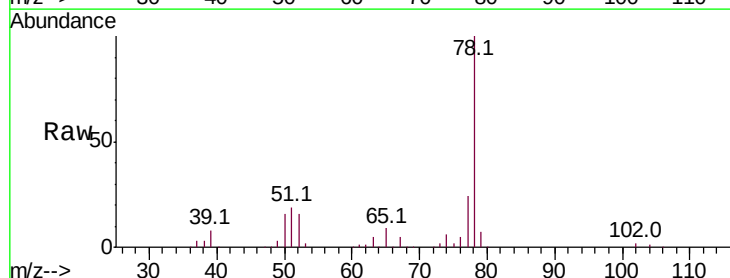


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

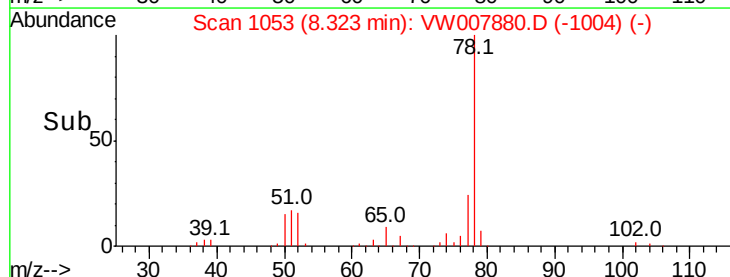
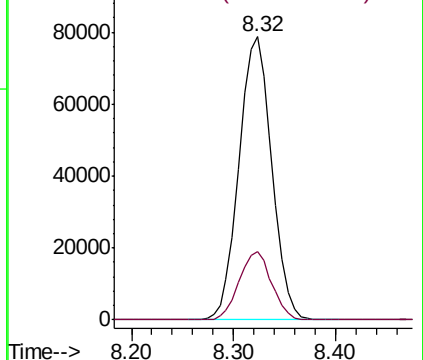


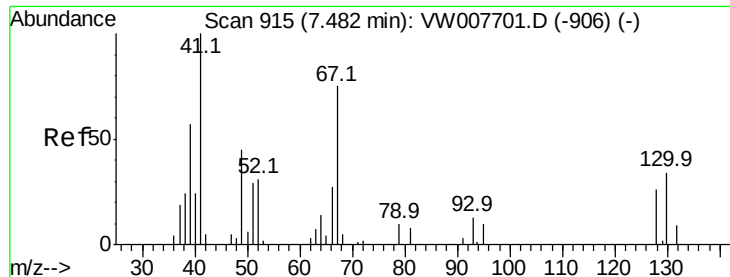
#40
Benzene
Concen: 55.325 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007880.D
Acq: 24 Dec 2018 10:32

Tgt Ion: 78 Resp: 175226
Ion Ratio Lower Upper
78 100
77 24.0 18.7 28.1



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

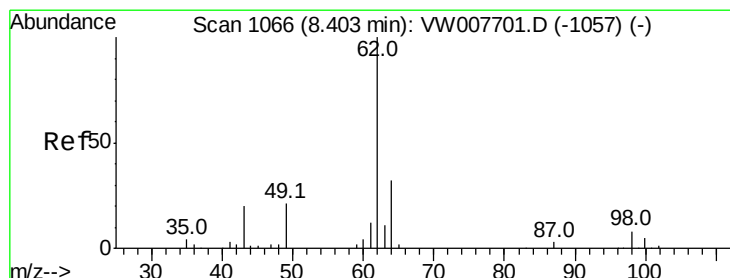
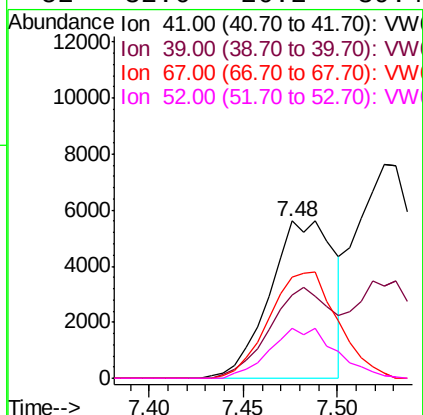
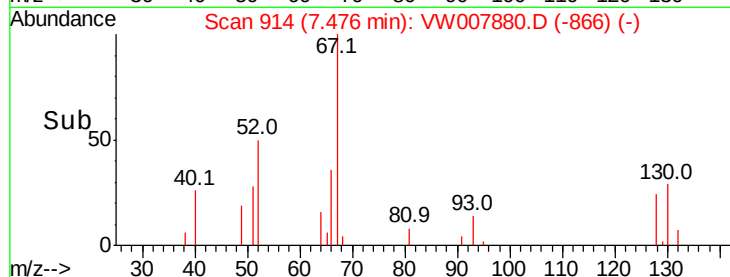
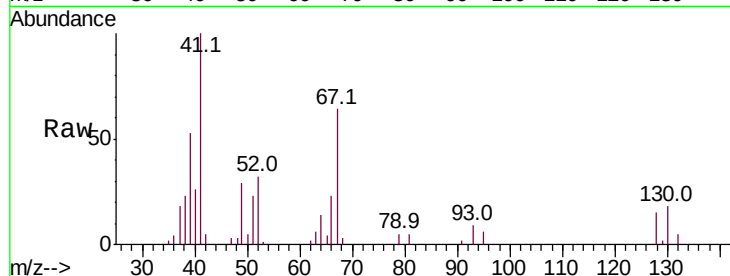




#41
Methacrylonitrile
Concen: 57.581 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW007880.D
Acq: 24 Dec 2018 10:32

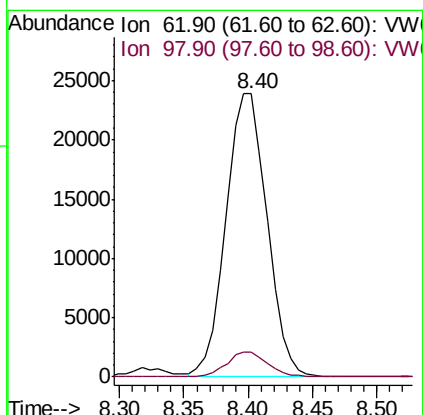
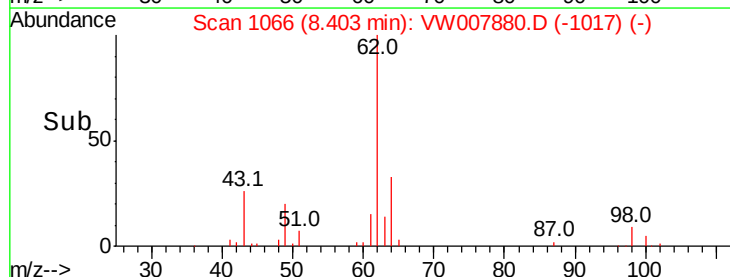
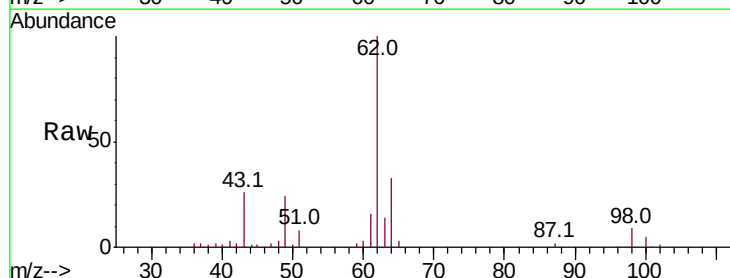
Instrument :
MSVOA_W
ClientSampled :

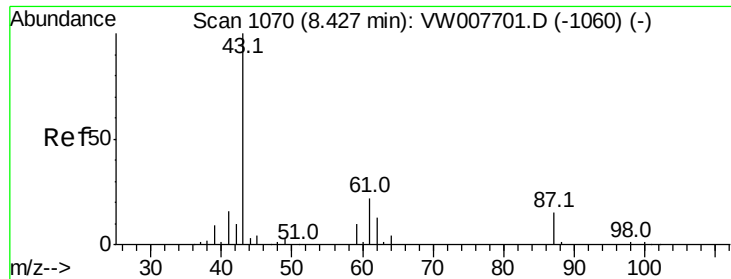
Tot Ion: 41 Resp: 13391
Ion Ratio Lower Upper
41 100
39 55.5 54.2 81.4
67 71.2 65.7 98.5
52 32.6 26.2 39.4



#42
1,2-Dichloroethane
Concen: 49.981 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW007880.D
Acq: 24 Dec 2018 10:32

Tgt Ion: 62 Resp: 53050
Ion Ratio Lower Upper
62 100
98 8.7 0.0 16.6





#43

Isopropyl Acetate

Concen: 53.356 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007880.D

Acq: 24 Dec 2018 10:32

Instrument :

MSVOA_W

ClientSampled :

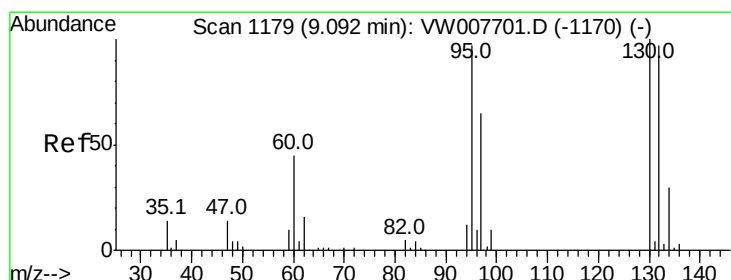
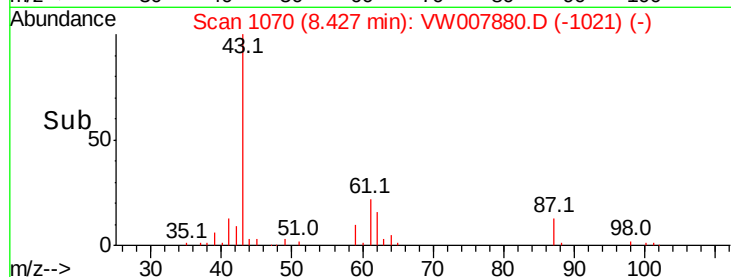
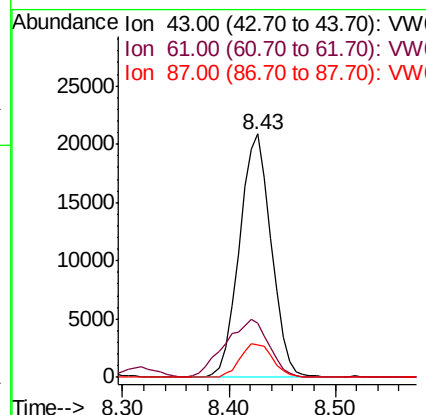
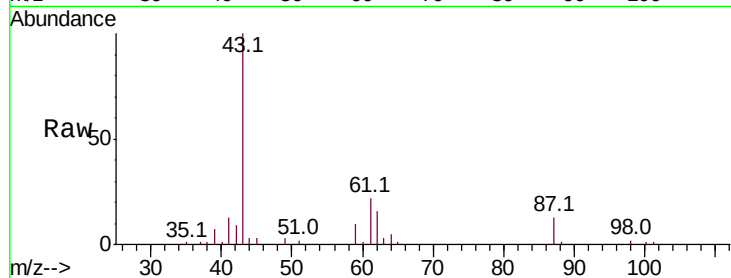
Tot Ion: 43 Resp: 43786

Ion Ratio Lower Upper

43 100

61 32.5 26.3 39.5

87 14.1 12.0 18.0



#44

Trichloroethene

Concen: 52.642 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007880.D

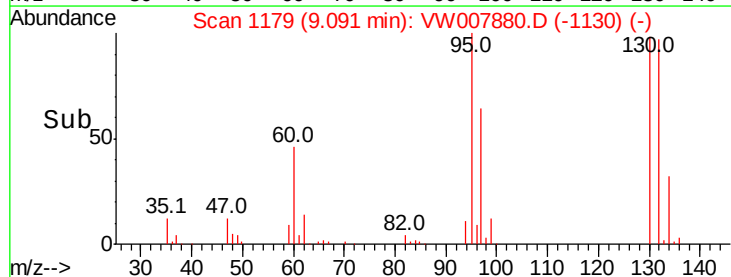
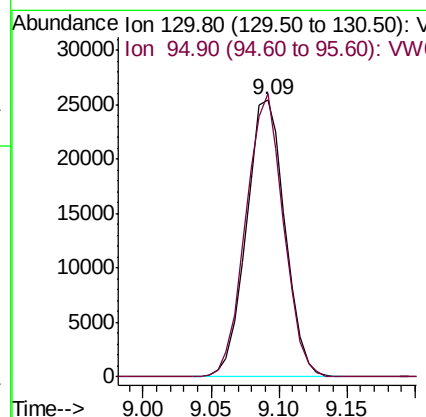
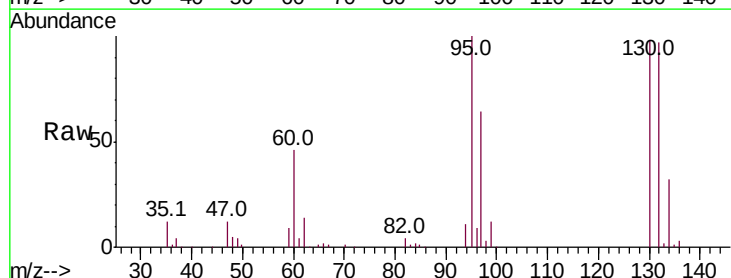
Acq: 24 Dec 2018 10:32

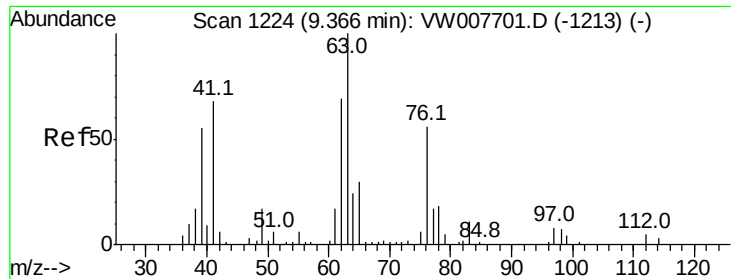
Tgt Ion:130 Resp: 50421

Ion Ratio Lower Upper

130 100

95 102.0 0.0 194.8

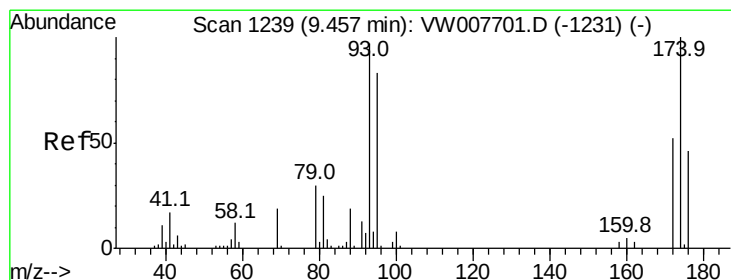
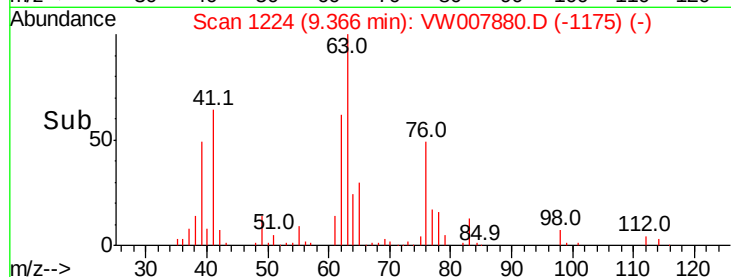
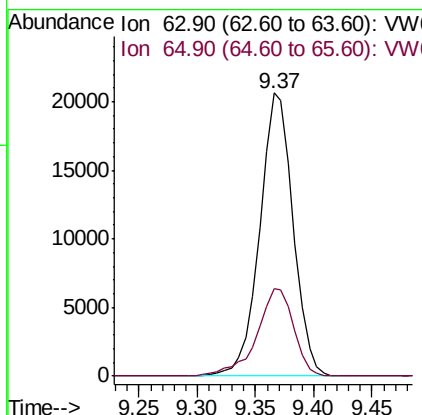
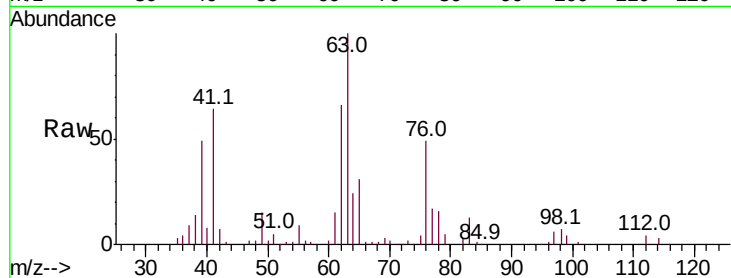




#45
 1,2-Dichloropropane
 Concen: 58.436 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW007880.D
 Acq: 24 Dec 2018 10:32

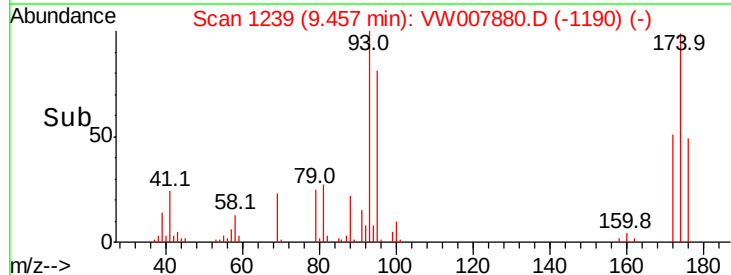
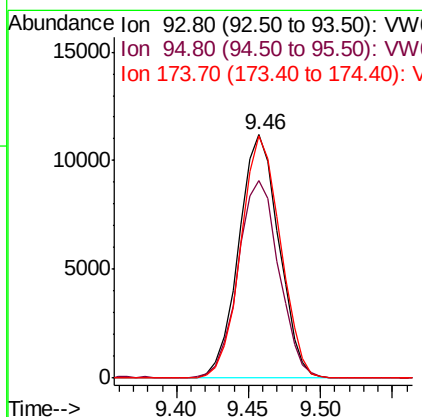
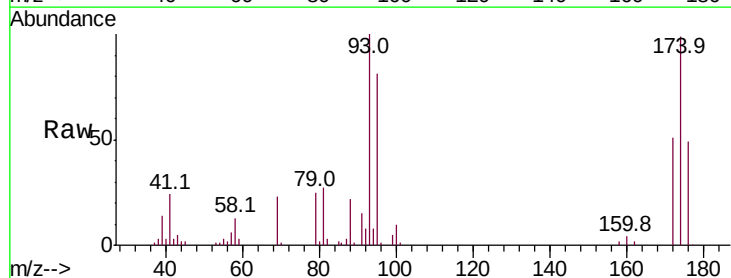
Instrument :
 MSVOA_W
 ClientSampled :

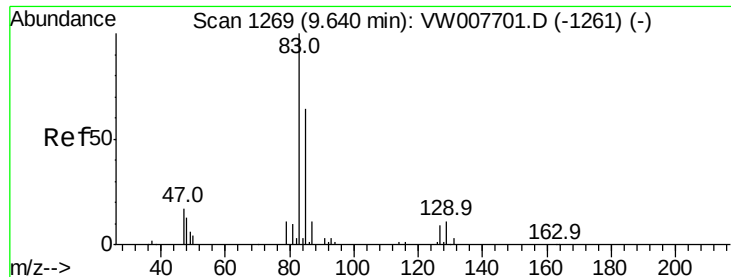
Tot Ion: 63 Resp: 41067
 Ion Ratio Lower Upper
 63 100
 65 30.8 23.8 35.8



#46
 Dibromomethane
 Concen: 49.937 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW007880.D
 Acq: 24 Dec 2018 10:32

Tgt Ion: 93 Resp: 21603
 Ion Ratio Lower Upper
 93 100
 95 82.9 67.5 101.3
 174 98.0 83.9 125.9

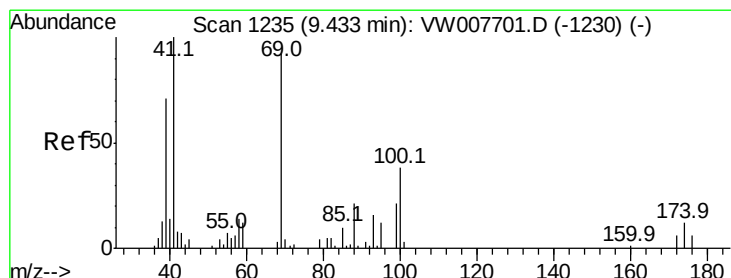
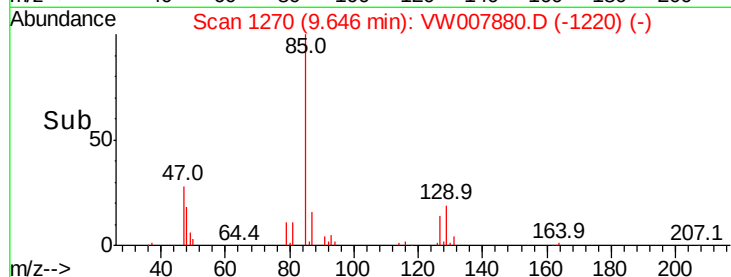
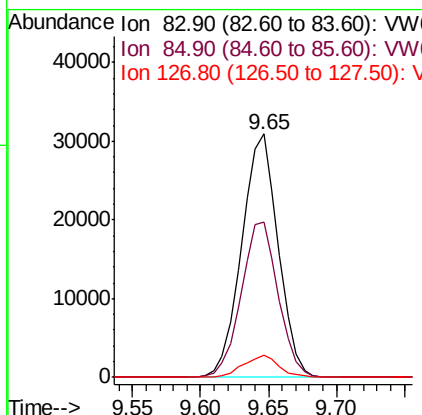
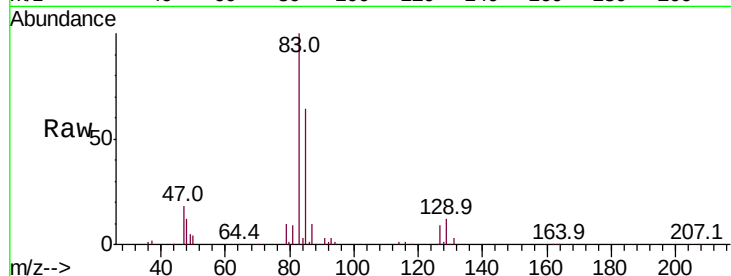




#47
Bromodichloromethane
Concen: 50.904 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW007880.D
Acq: 24 Dec 2018 10:32

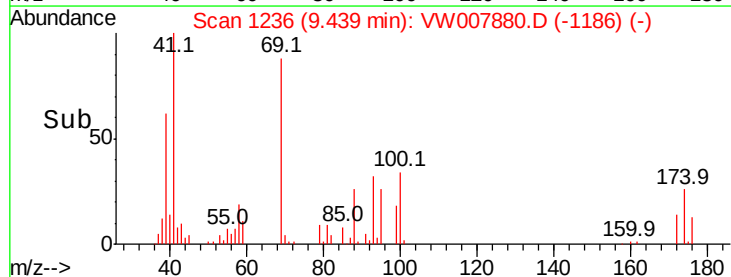
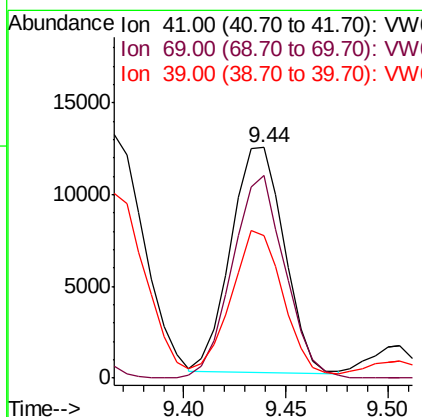
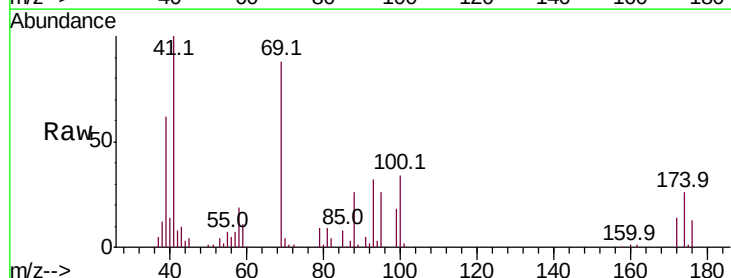
Instrument :
MSVOA_W
ClientSampleId :

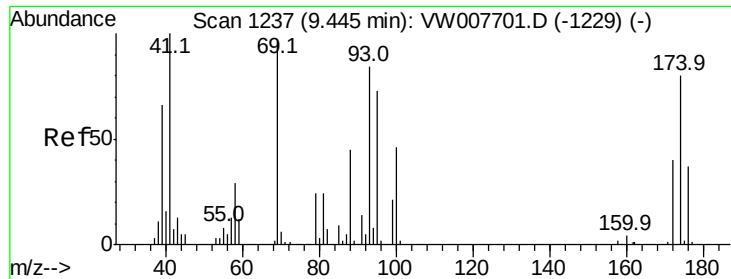
Tot Ion: 83 Resp: 57893
Ion Ratio Lower Upper
83 100
85 63.8 51.4 77.0
127 9.1 7.5 11.3



#48
Methyl methacrylate
Concen: 54.242 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW007880.D
Acq: 24 Dec 2018 10:32

Tgt Ion: 41 Resp: 22219
Ion Ratio Lower Upper
41 100
69 89.2 74.2 111.2
39 60.6 53.9 80.9





#49

1,4-Dioxane

Concen: 1079.046 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW007880.D

Acq: 24 Dec 2018 10:32

Instrument :
MSVOA_W
ClientSampleId :

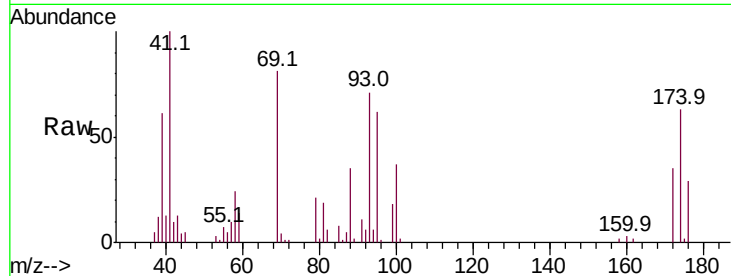
Tot Ion: 88 Resp: 7401

Ion Ratio Lower Upper

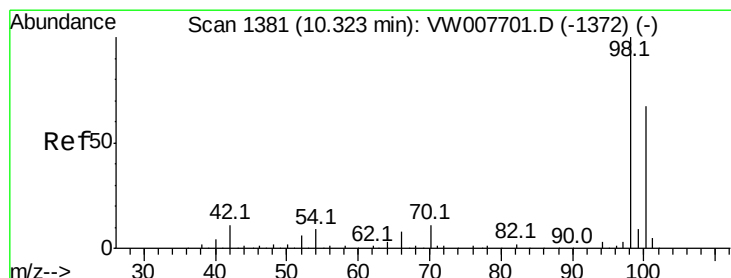
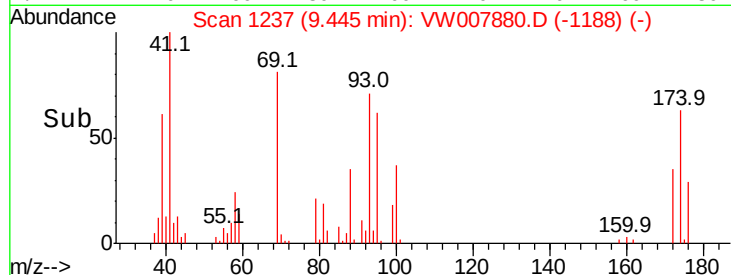
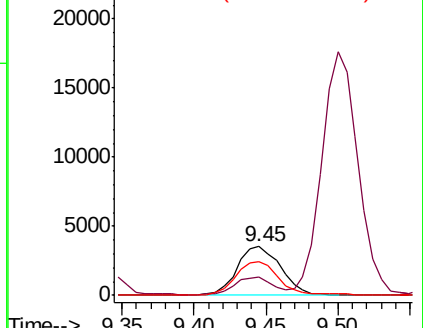
88 100

43 33.6 25.6 38.4

58 68.0 52.3 78.5



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



#50

Toluene-d8

Concen: 51.029 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007880.D

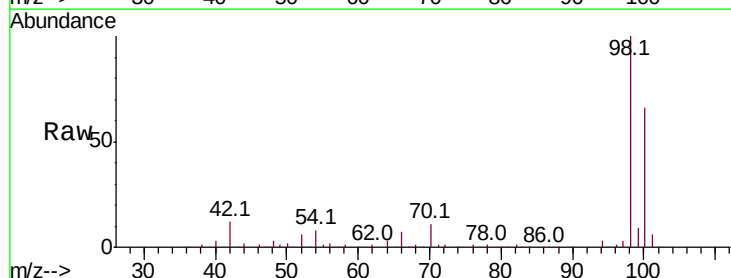
Acq: 24 Dec 2018 10:32

Tgt Ion: 98 Resp: 144317

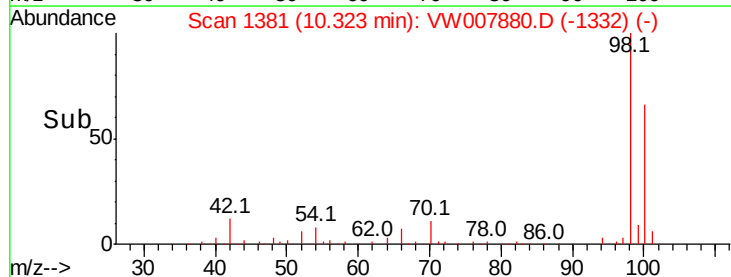
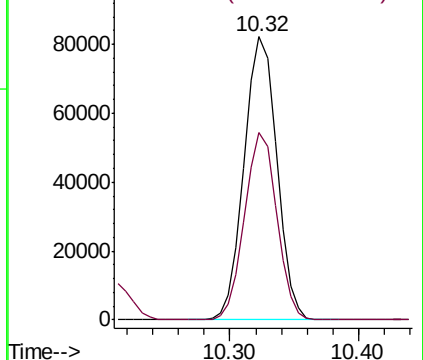
Ion Ratio Lower Upper

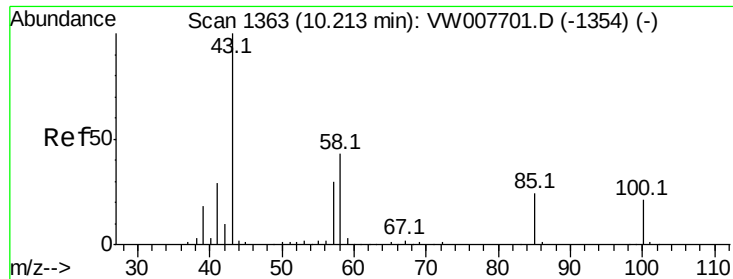
98 100

100 65.2 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

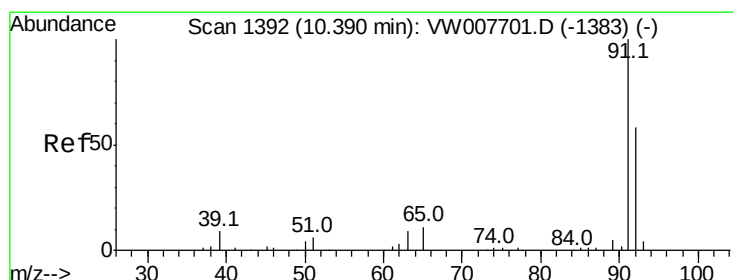
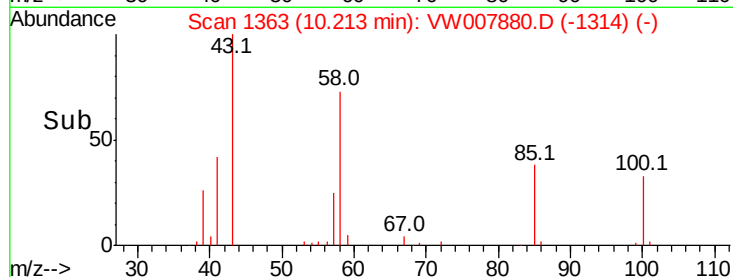
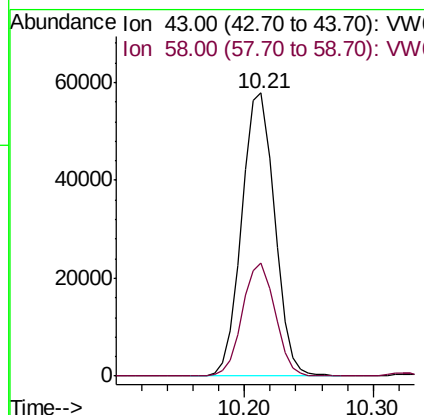
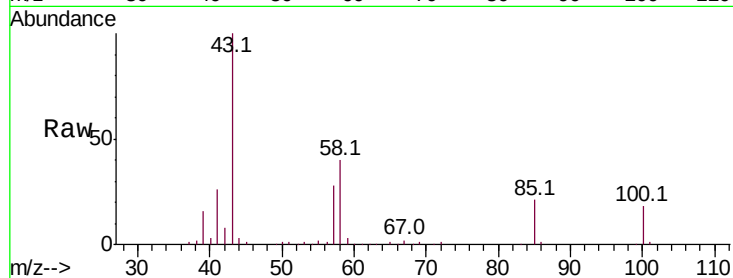




#51
4-Methyl-2-Pentanone
Concen: 264.246 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW007880.D
Acq: 24 Dec 2018 10:32

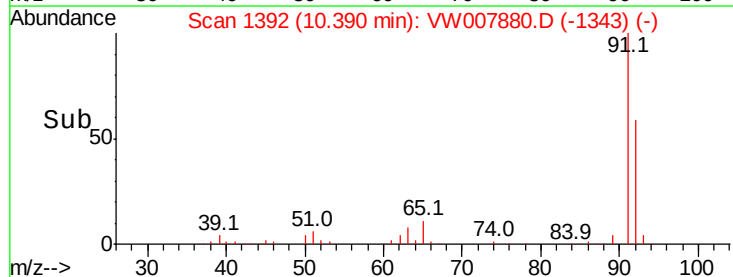
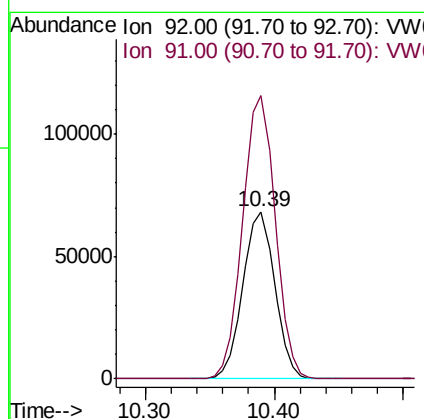
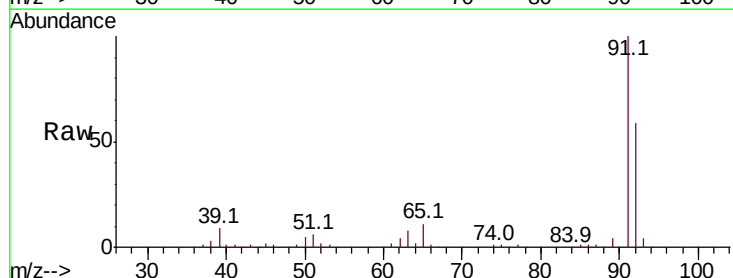
Instrument :
MSVOA_W
ClientSampled :

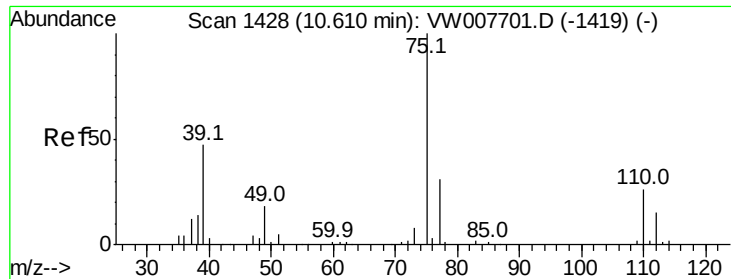
Tot Ion: 43 Resp: 102484
Ion Ratio Lower Upper
43 100
58 39.8 33.2 49.8



#52
Toluene
Concen: 55.274 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW007880.D
Acq: 24 Dec 2018 10:32

Tgt Ion: 92 Resp: 117456
Ion Ratio Lower Upper
92 100
91 172.3 137.0 205.4





#53

t-1,3-Dichloropropene

Concen: 53.339 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW007880.D

Acq: 24 Dec 2018 10:32

Instrument :

MSVOA_W

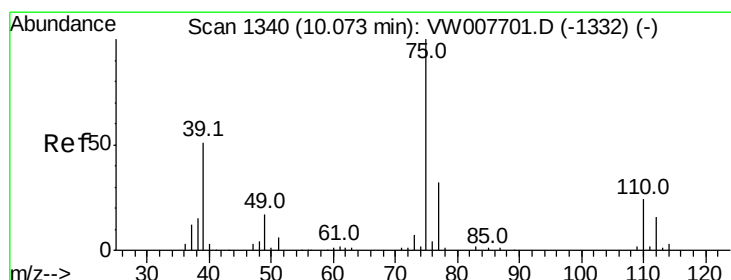
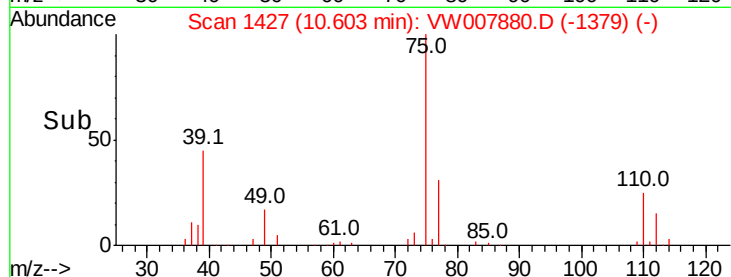
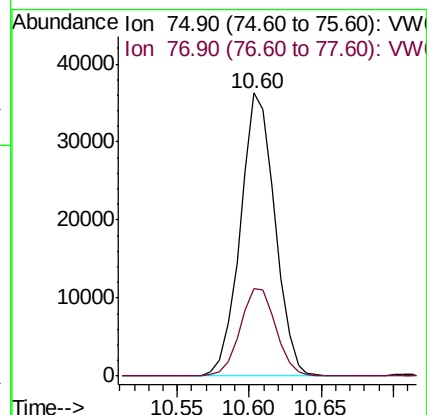
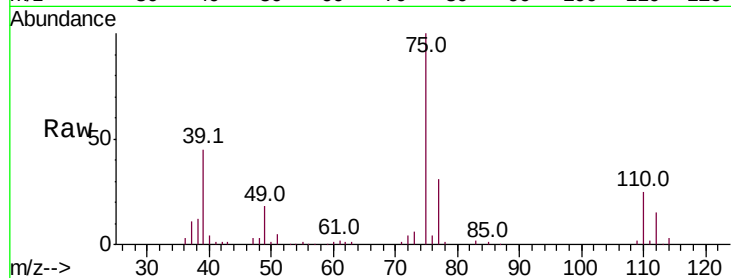
ClientSampled :

Tot Ion: 75 Resp: 60339

Ion Ratio Lower Upper

75 100

77 31.0 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 55.471 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW007880.D

Acq: 24 Dec 2018 10:32

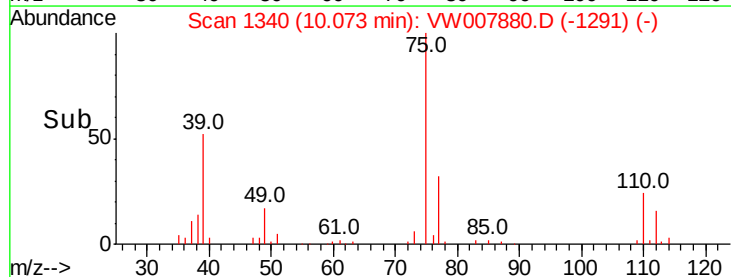
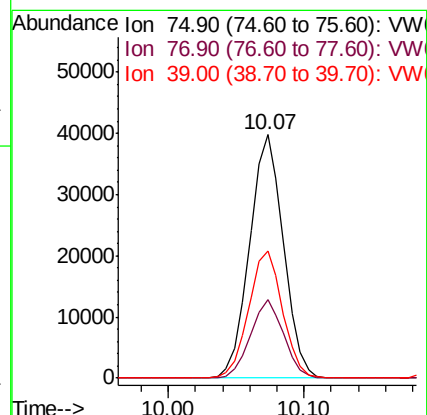
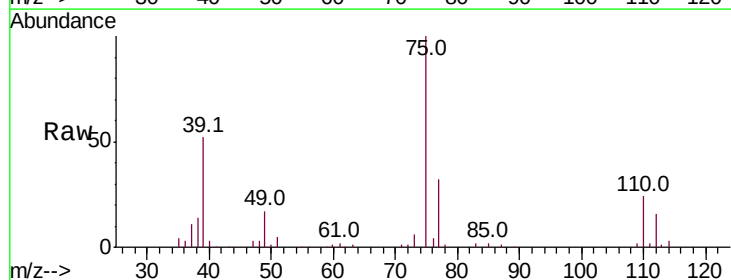
Tgt Ion: 75 Resp: 69313

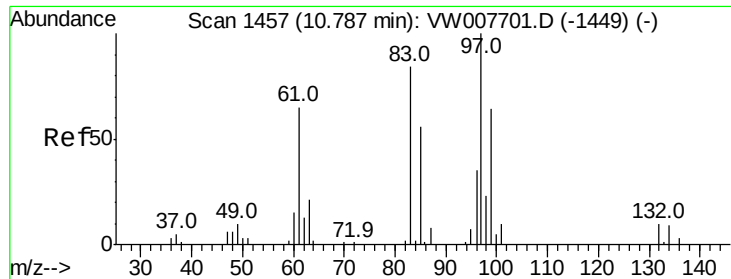
Ion Ratio Lower Upper

75 100

77 32.2 25.5 38.3

39 52.1 41.2 61.8

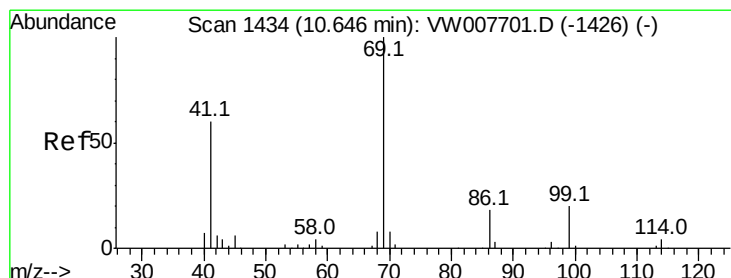
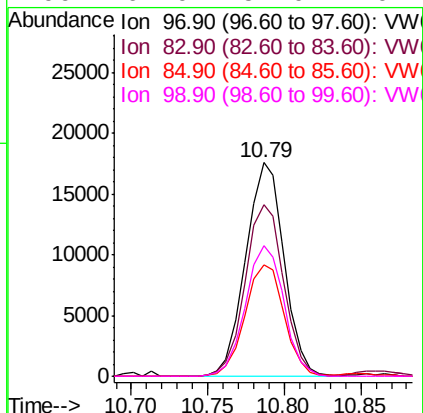
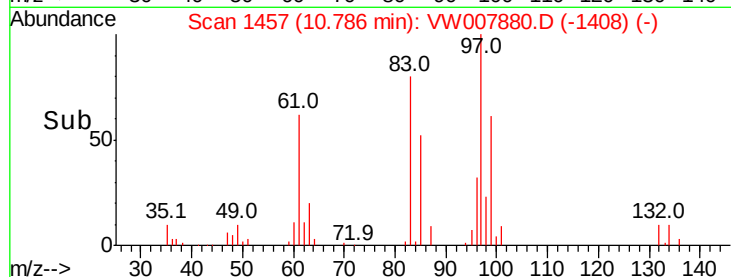
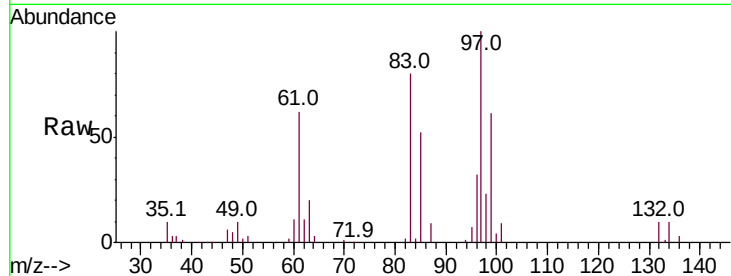




#55
1,1,2-Trichloroethane
Concen: 51.346 ug/l
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW007880.D
Acq: 24 Dec 2018 10:32

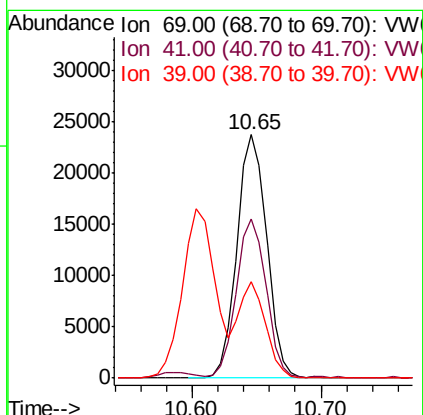
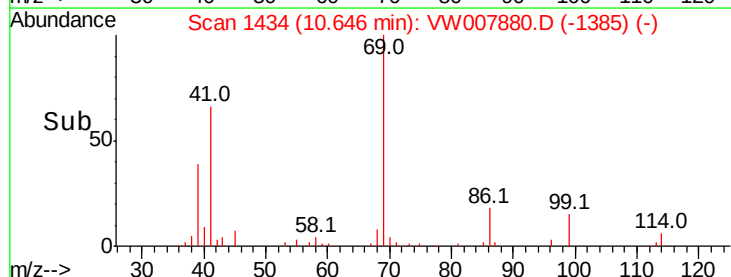
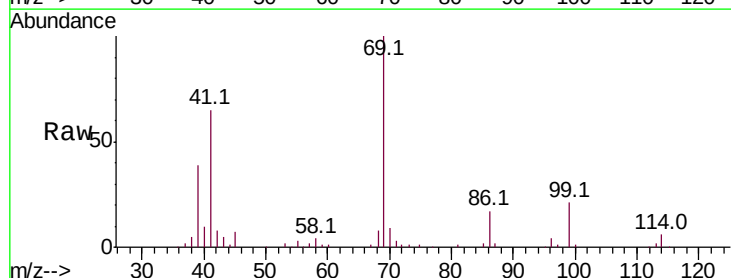
Instrument :
MSVOA_W
ClientSampled :

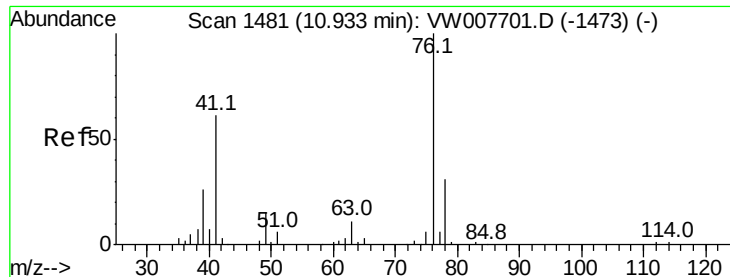
Tot Ion:	97	Resp:	30622
Ion	Ratio	Lower	Upper
97	100		
83	80.2	67.5	101.3
85	52.2	44.8	67.2
99	61.0	51.0	76.4



#56
Ethyl methacrylate
Concen: 53.886 ug/l
RT: 10.65 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW007880.D
Acq: 24 Dec 2018 10:32

Tgt Ion:	69	Resp:	37970
Ion	Ratio	Lower	Upper
69	100		
41	65.0	48.9	73.3
39	36.5	31.3	46.9

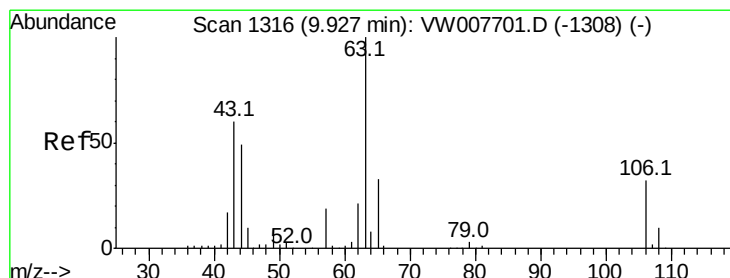
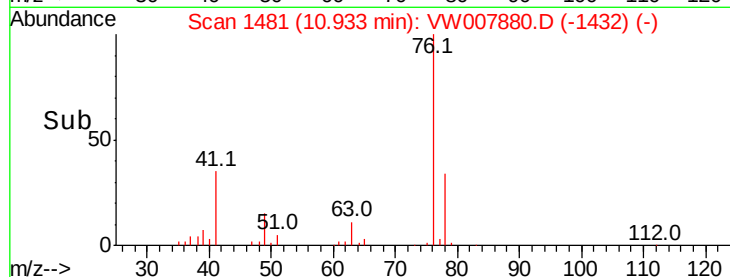
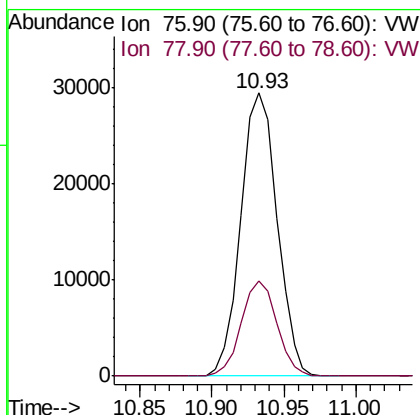
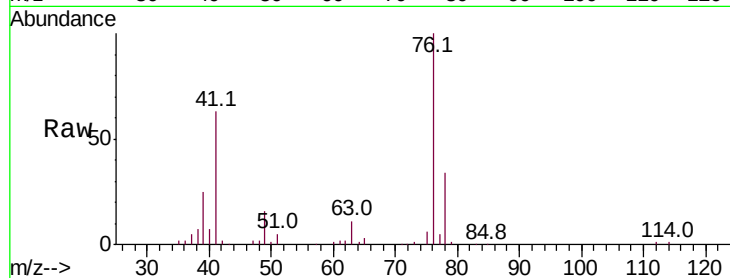




#57
 1,3-Dichloropropane
 Concen: 52.142 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007880.D
 Acq: 24 Dec 2018 10:32

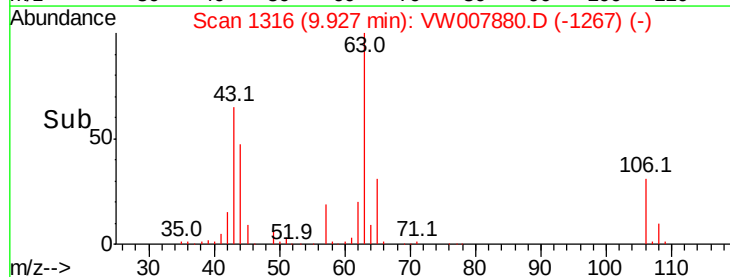
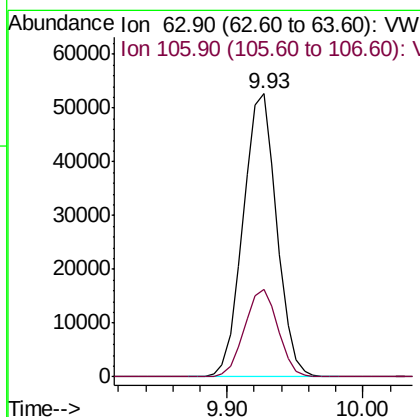
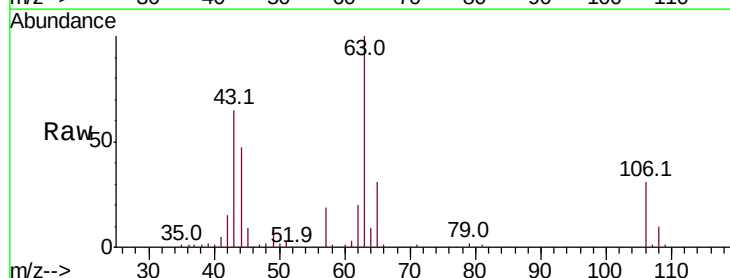
Instrument :
 MSVOA_W
 ClientSampleId :

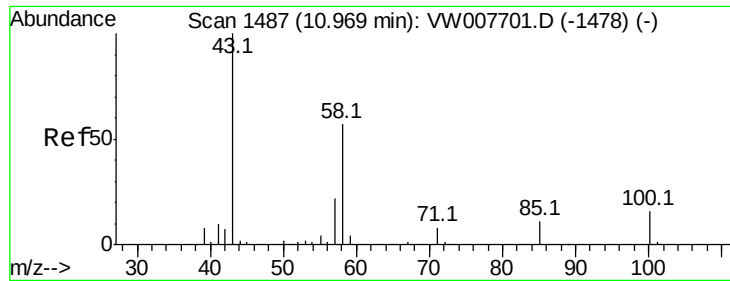
Tot Ion: 76 Resp: 51638
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 283.030 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007880.D
 Acq: 24 Dec 2018 10:32

Tgt Ion: 63 Resp: 91056
 Ion Ratio Lower Upper
 63 100
 106 30.8 25.9 38.9

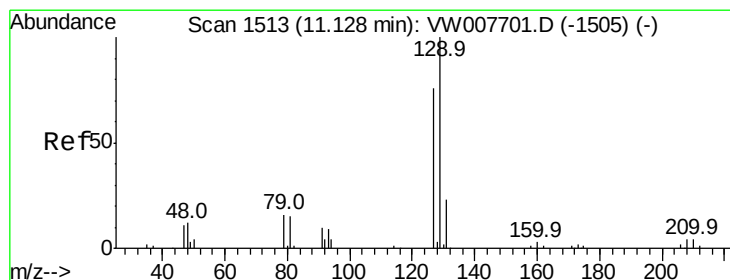
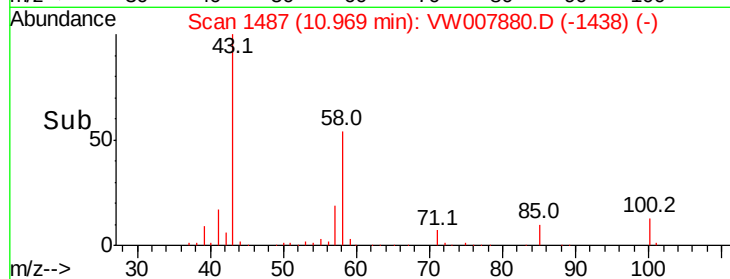
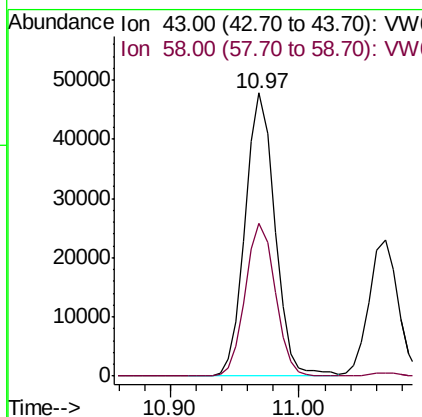
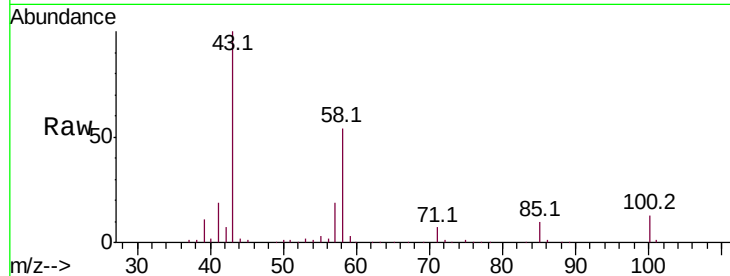




#59
2-Hexanone
Concen: 280.334 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007880.D
Acq: 24 Dec 2018 10:32

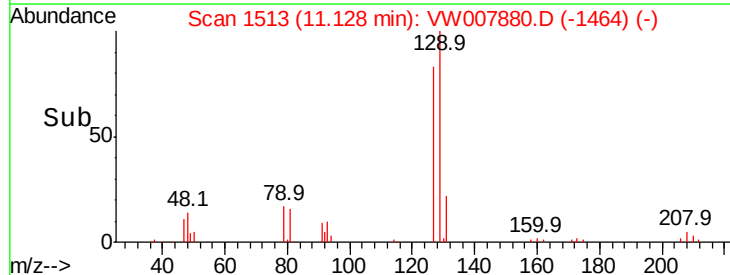
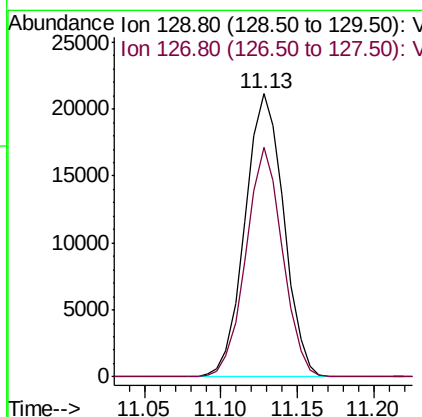
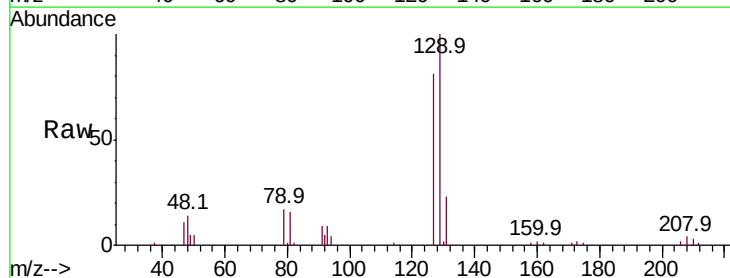
Instrument :
MSVOA_W
ClientSampleId :

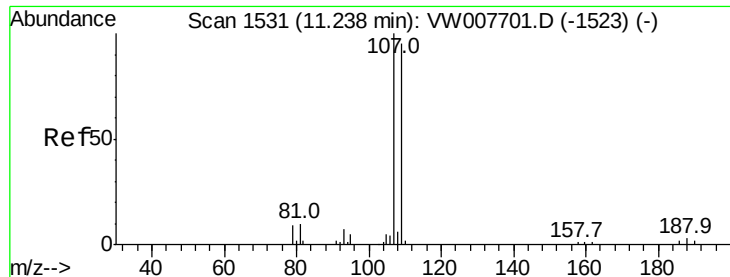
Tot Ion: 43 Resp: 76462
Ion Ratio Lower Upper
43 100
58 54.3 27.7 83.1



#60
Dibromochloromethane
Concen: 47.238 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007880.D
Acq: 24 Dec 2018 10:32

Tgt Ion:129 Resp: 37302
Ion Ratio Lower Upper
129 100
127 76.5 38.3 114.9





#61

1,2-Dibromoethane

Concen: 49.051 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW007880.D

Acq: 24 Dec 2018 10:32

Instrument :

MSVOA_W

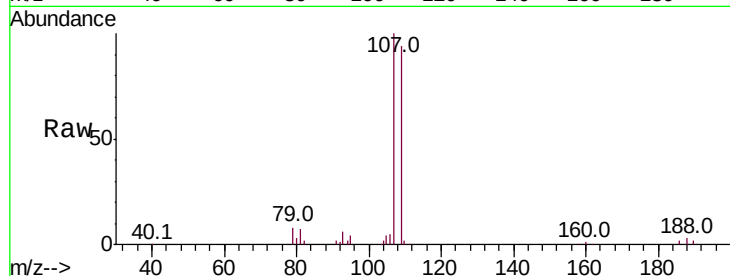
ClientSampleId :

Tot Ion:107 Resp: 29624

Ion Ratio Lower Upper

107 100

109 95.3 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

20000

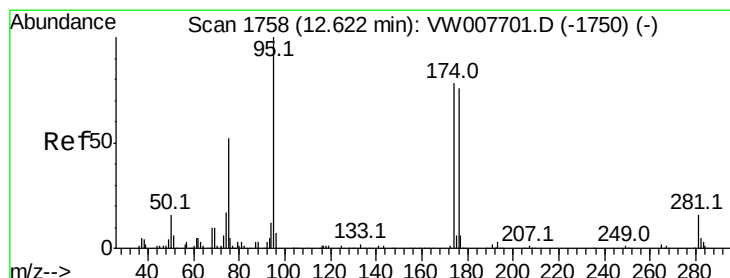
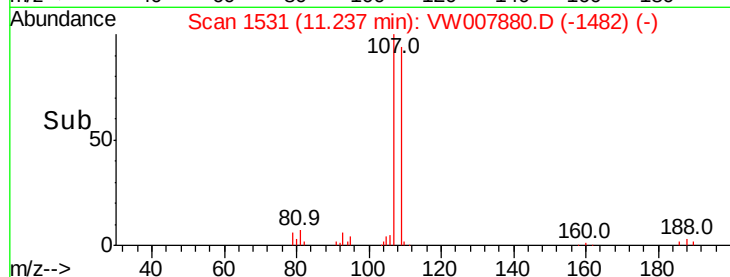
15000

10000

5000

0

Time--> 11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 48.849 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007880.D

Acq: 24 Dec 2018 10:32

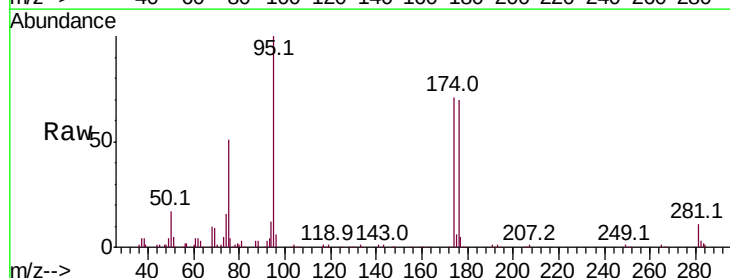
Tgt Ion: 95 Resp: 53371

Ion Ratio Lower Upper

95 100

174 72.5 0.0 152.2

176 70.2 0.0 146.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

40000

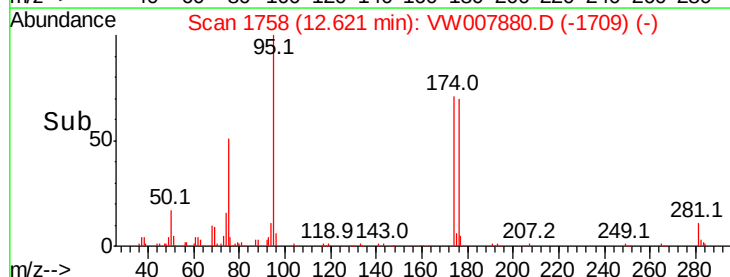
30000

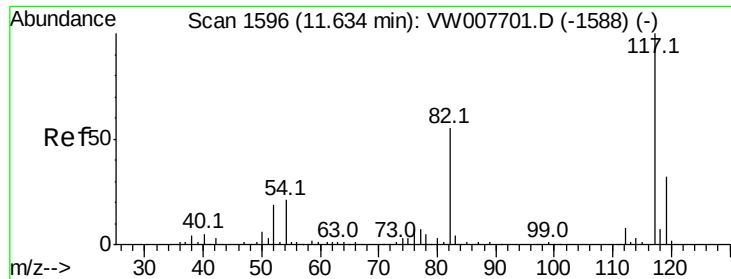
20000

10000

0

Time--> 12.55 12.60 12.65 12.70

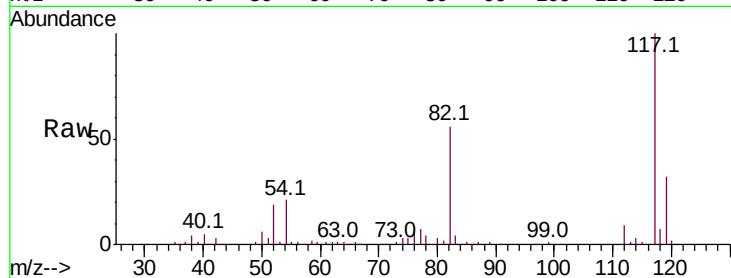




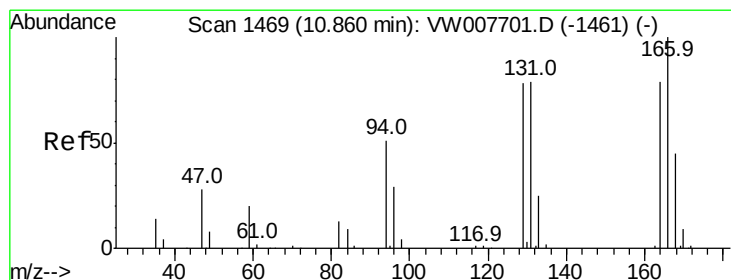
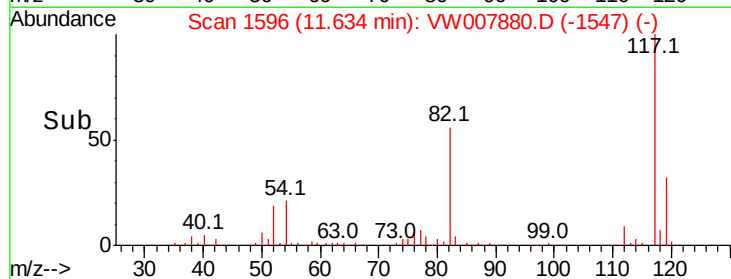
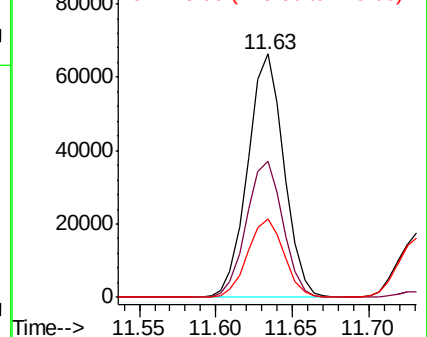
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007880.D
Acq: 24 Dec 2018 10:32

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 109082
Ion Ratio Lower Upper
117 100
82 55.7 44.3 66.5
119 32.3 25.7 38.5

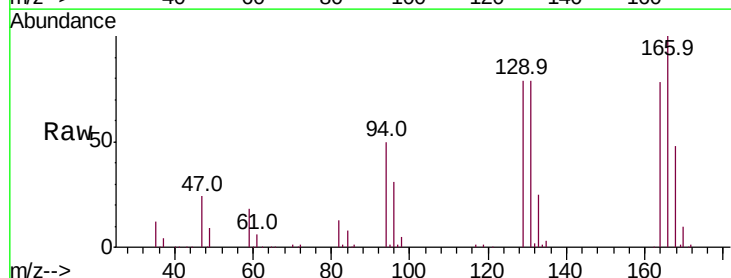


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

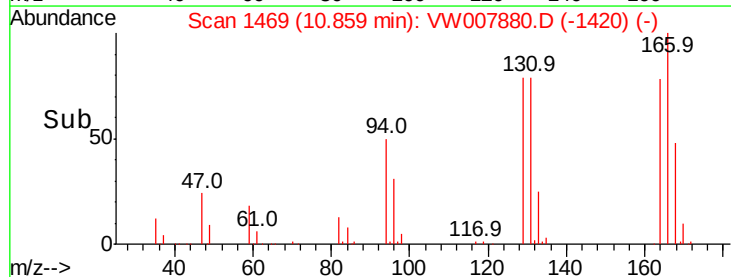
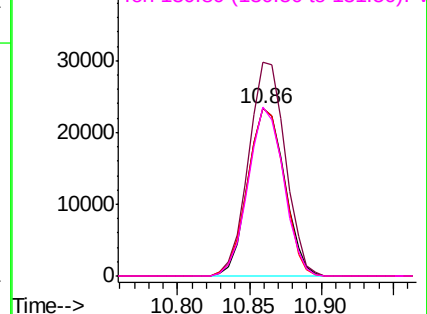


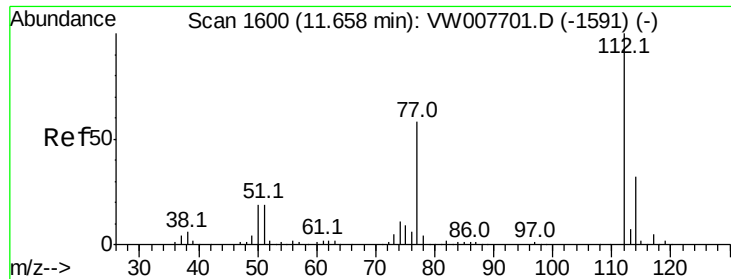
#64
Tetrachloroethene
Concen: 53.185 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW007880.D
Acq: 24 Dec 2018 10:32

Tgt Ion:164 Resp: 41082
Ion Ratio Lower Upper
164 100
166 127.5 101.0 151.6
129 100.5 78.7 118.1
131 100.5 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

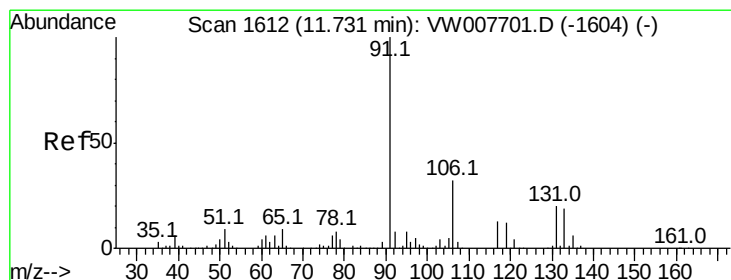
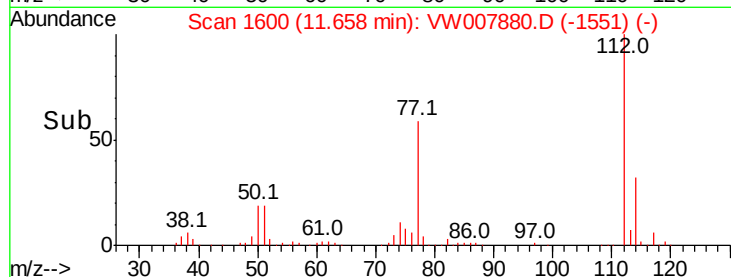
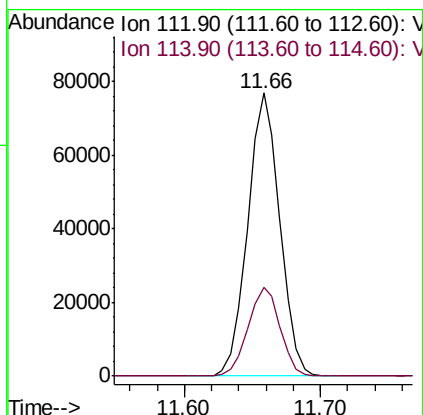
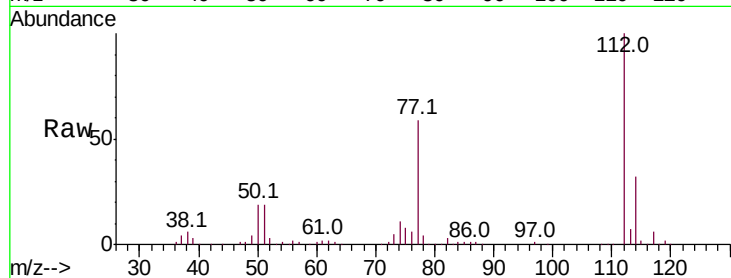




#65
Chlorobenzene
Concen: 53.726 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007880.D
Acq: 24 Dec 2018 10:32

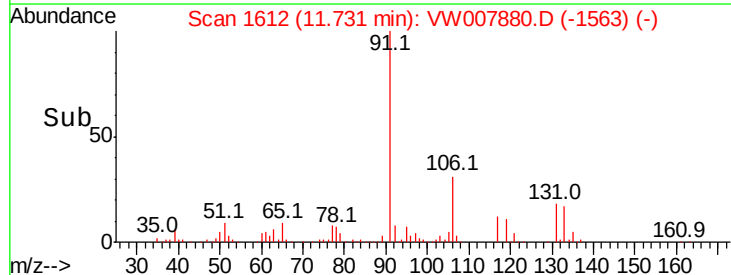
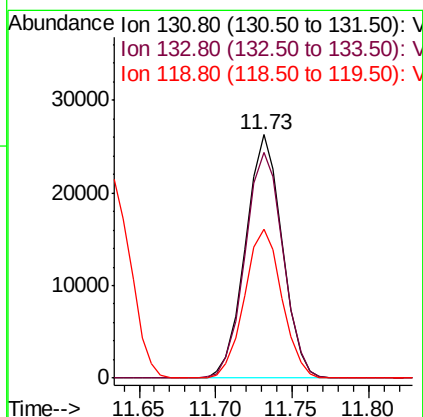
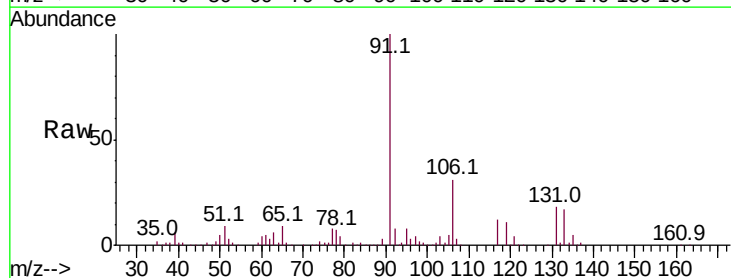
Instrument :
MSVOA_W
ClientSampleId :

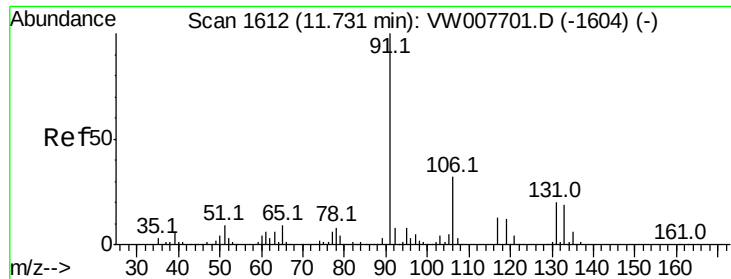
Tot Ion:112 Resp: 126847
Ion Ratio Lower Upper
112 100
114 31.6 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 52.046 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007880.D
Acq: 24 Dec 2018 10:32

Tgt Ion:131 Resp: 43907
Ion Ratio Lower Upper
131 100
133 95.8 47.5 142.5
119 62.1 30.2 90.6





#67

Ethyl Benzene

Concen: 57.246 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW007880.D

Acq: 24 Dec 2018 10:32

Instrument :

MSVOA_W

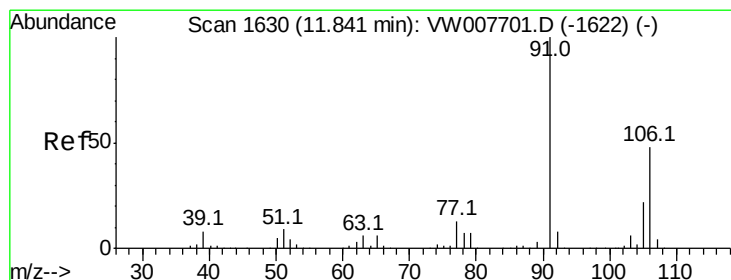
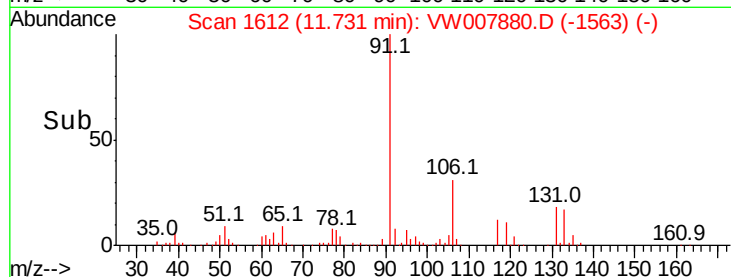
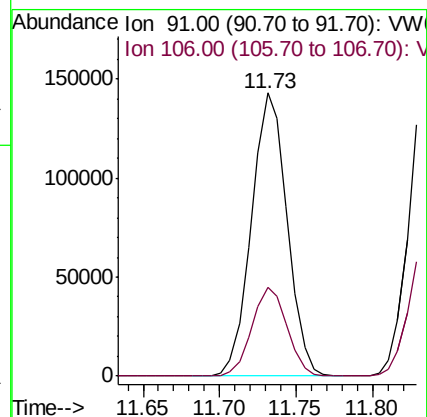
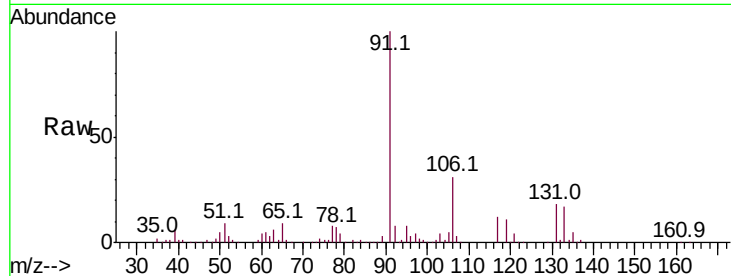
ClientSampled :

Tot Ion: 91 Resp: 231930

Ion Ratio Lower Upper

91 100

106 31.2 25.8 38.8



#68

m/p-Xylenes

Concen: 112.085 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW007880.D

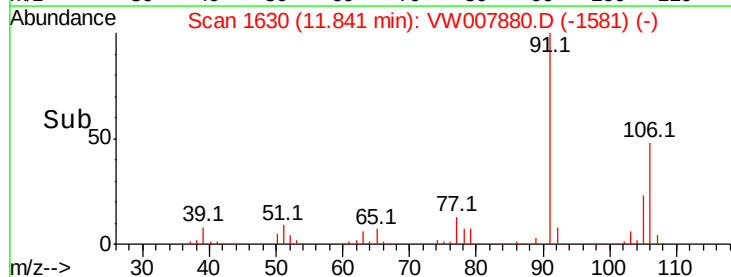
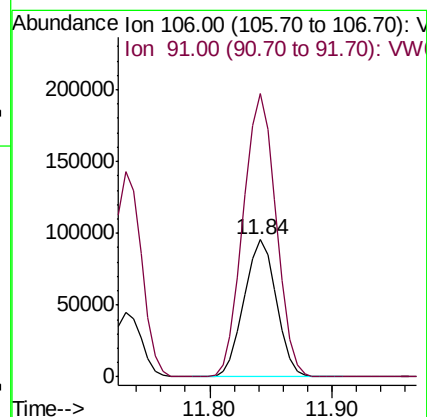
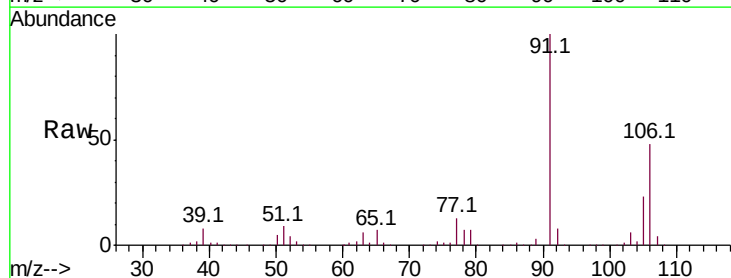
Acq: 24 Dec 2018 10:32

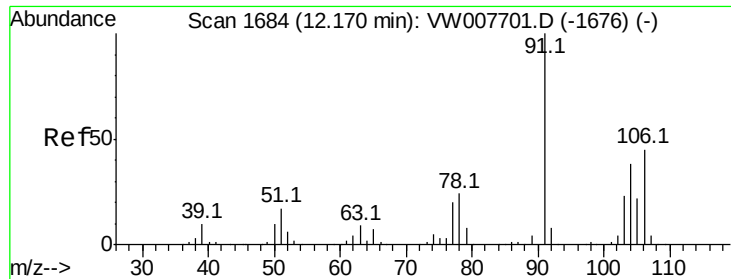
Tgt Ion:106 Resp: 176155

Ion Ratio Lower Upper

106 100

91 209.0 165.2 247.8

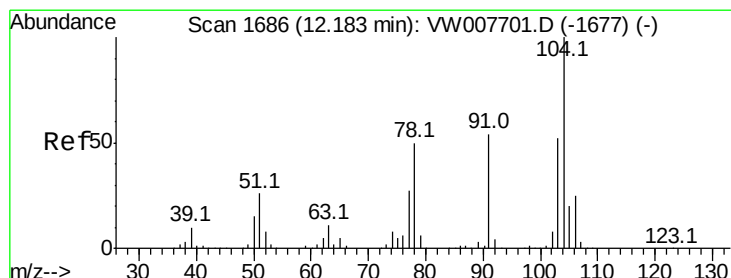
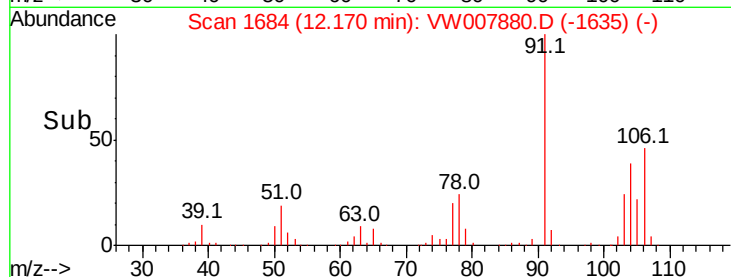
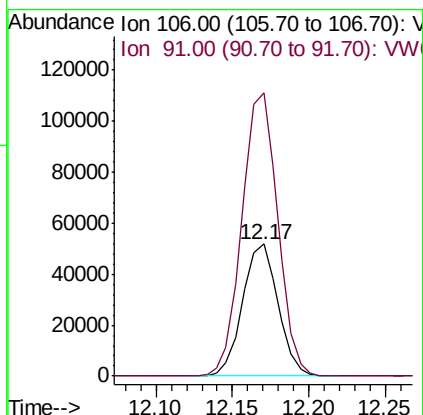
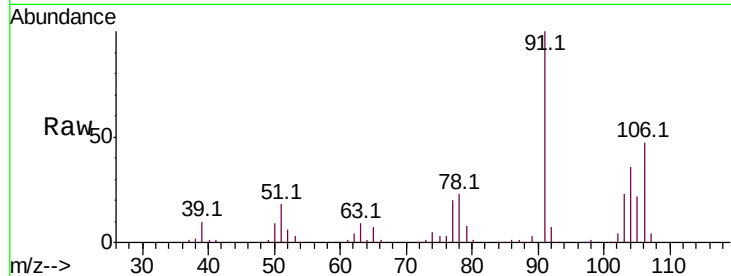




#69
o-Xylene
Concen: 56.758 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007880.D
Acq: 24 Dec 2018 10:32

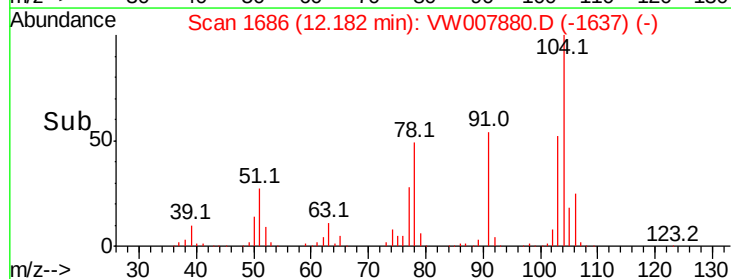
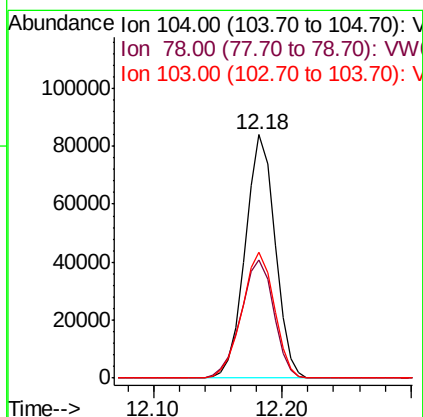
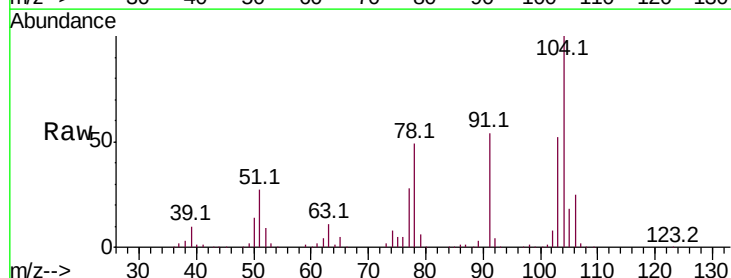
Instrument :
MSVOA_W
ClientSampled :

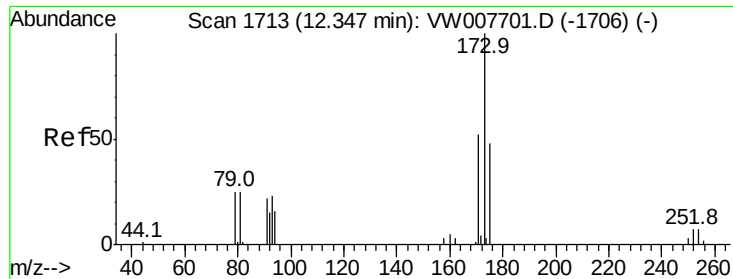
Tot Ion:106 Resp: 83616
Ion Ratio Lower Upper
106 100
91 216.2 110.5 331.4



#70
Styrene
Concen: 55.327 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007880.D
Acq: 24 Dec 2018 10:32

Tgt Ion:104 Resp: 133981
Ion Ratio Lower Upper
104 100
78 53.3 43.4 65.0
103 56.1 44.5 66.7





#71

Bromoform

Concen: 44.446 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW007880.D

Acq: 24 Dec 2018 10:32

Instrument :

MSVOA_W

ClientSampled :

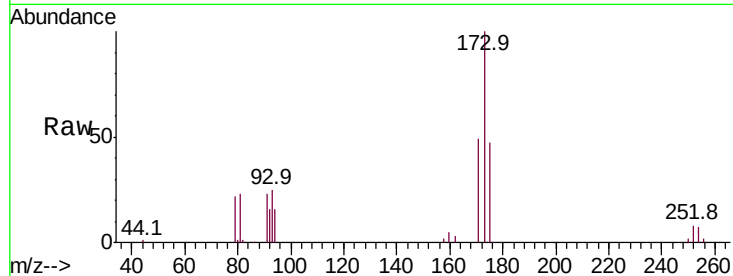
Tot Ion:173 Resp: 19465

Ion Ratio Lower Upper

173 100

175 49.5 23.9 71.7

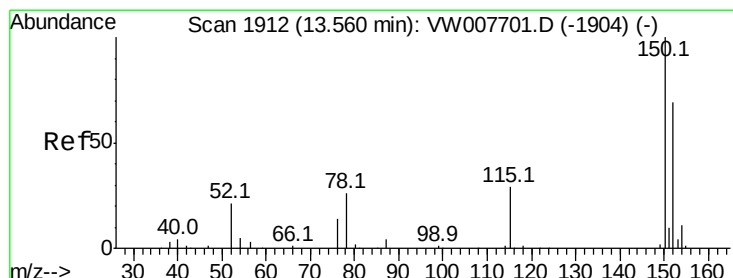
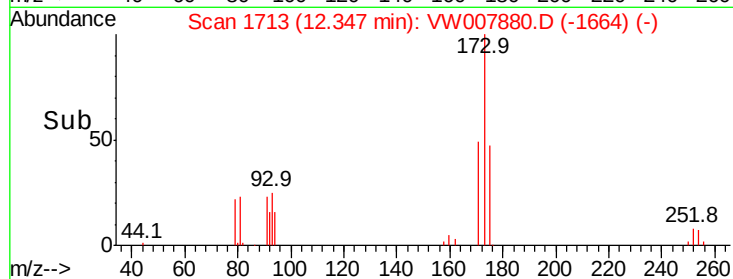
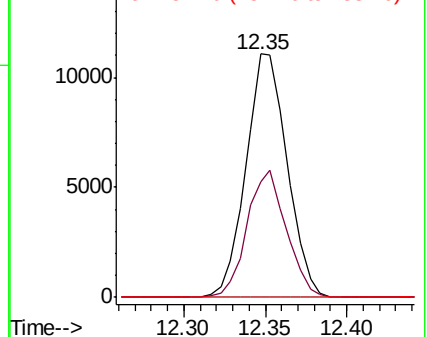
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007880.D

Acq: 24 Dec 2018 10:32

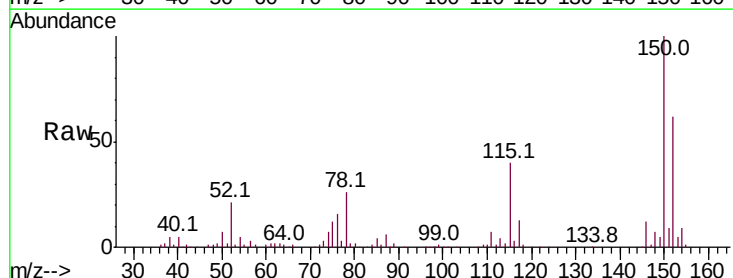
Tgt Ion:152 Resp: 53646

Ion Ratio Lower Upper

152 100

115 62.4 31.8 95.4

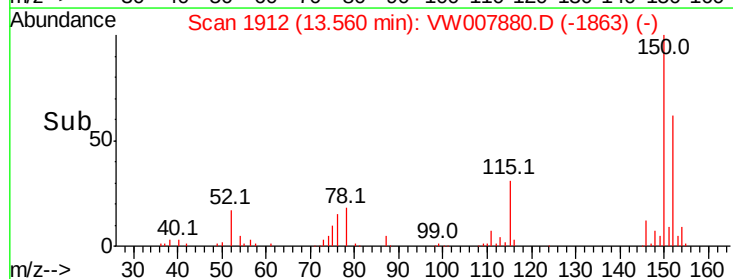
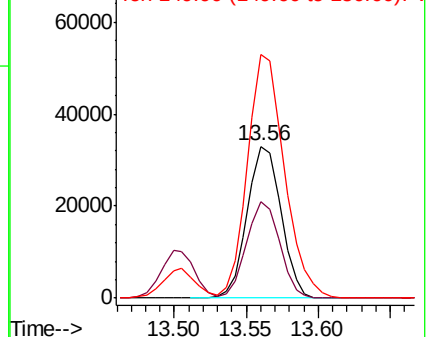
150 174.8 0.0 350.8

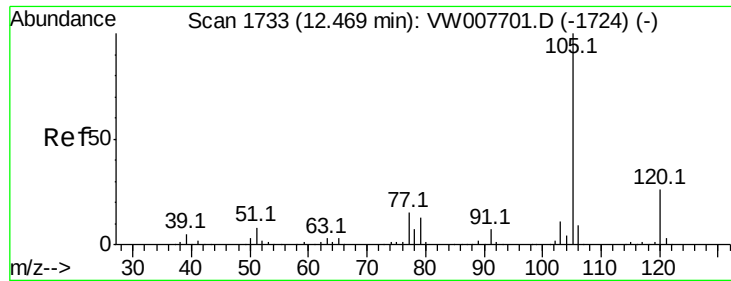


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 58.829 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007880.D

Acq: 24 Dec 2018 10:32

Instrument :

MSVOA_W

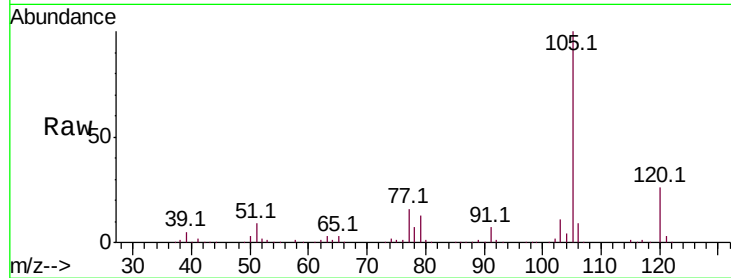
ClientSampleId :

Tot Ion:105 Resp: 238553

Ion Ratio Lower Upper

105 100

120 26.2 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

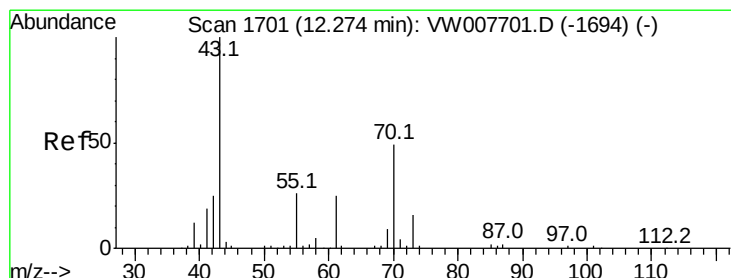
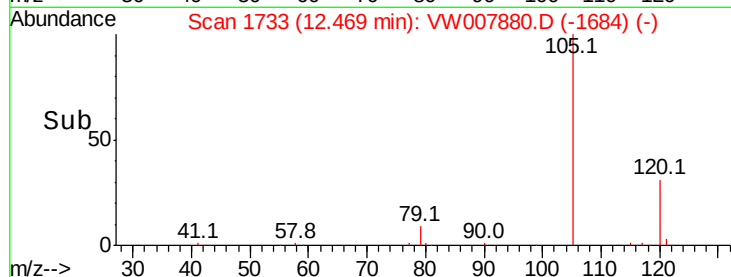
100000

50000

0

12.40 12.45 12.50 12.55

Time-->



#74

N-ethyl acetate

Concen: 57.273 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007880.D

Acq: 24 Dec 2018 10:32

Tgt Ion: 43 Resp: 40228

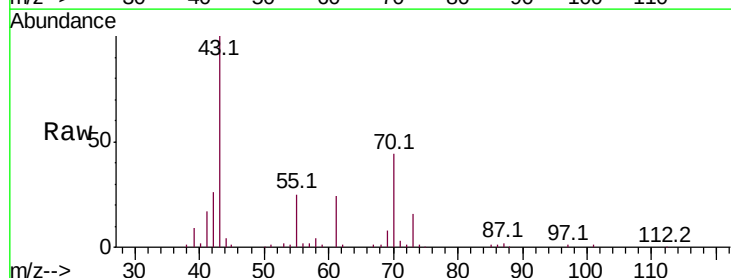
Ion Ratio Lower Upper

43 100

70 43.6 37.6 56.4

55 24.3 21.7 32.5

61 24.4 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

40000

30000

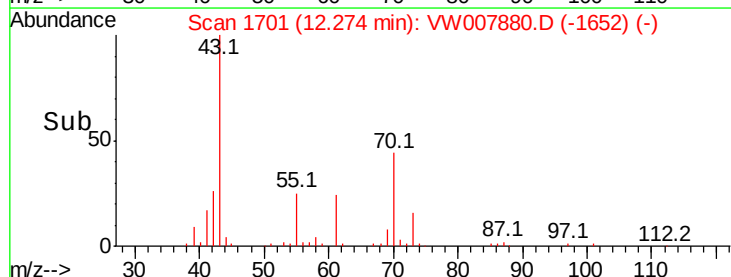
20000

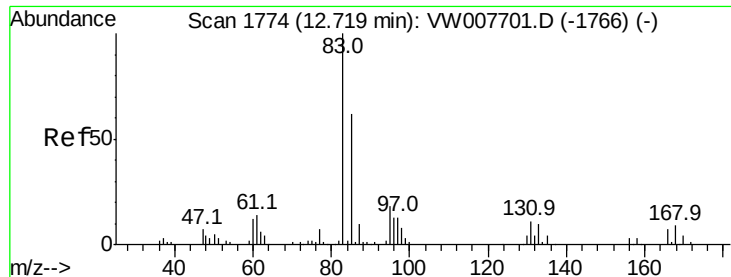
10000

0

12.20 12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 51.991 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007880.D

Acq: 24 Dec 2018 10:32

Instrument :

MSVOA_W

ClientSampleId :

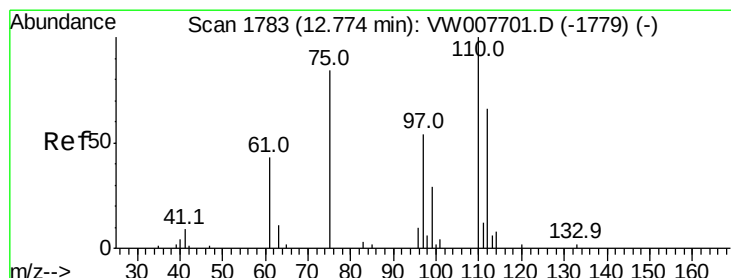
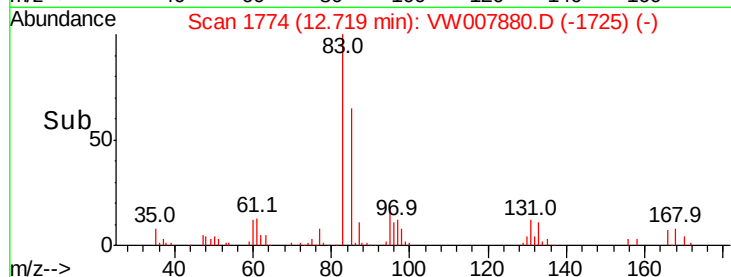
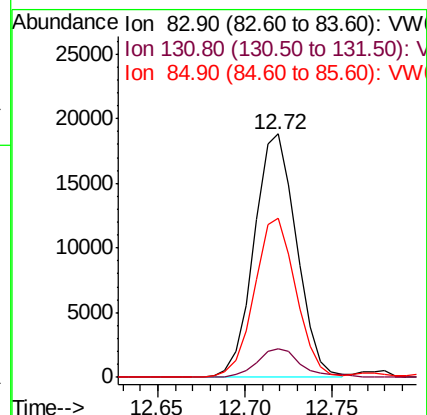
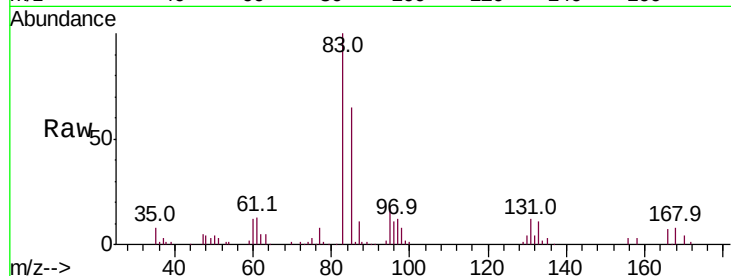
Tot Ion: 83 Resp: 31610

Ion Ratio Lower Upper

83 100

131 12.4 6.3 18.8

85 64.3 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 110.054 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW007880.D

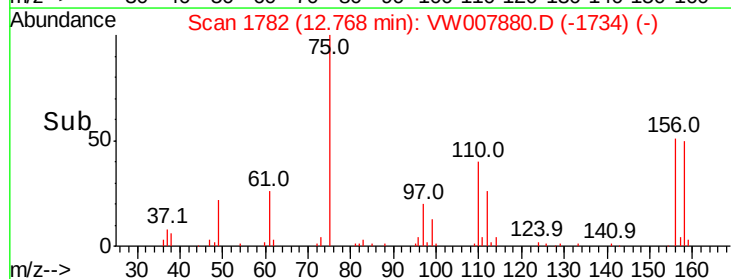
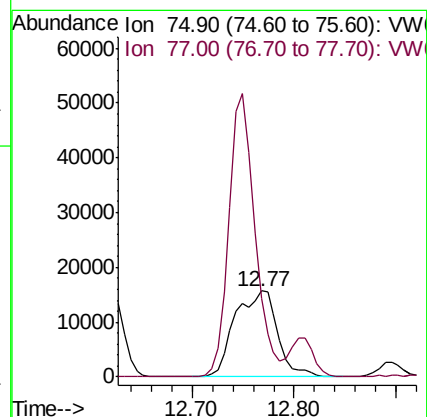
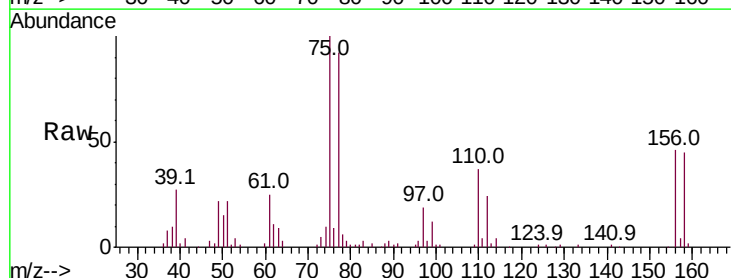
Acq: 24 Dec 2018 10:32

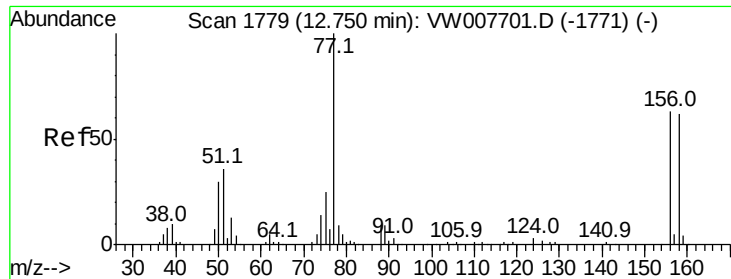
Tgt Ion: 75 Resp: 45632

Ion Ratio Lower Upper

75 100

77 201.1 0.0 0.0#





#77

Bromobenzene

Concen: 52.929 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007880.D

Acq: 24 Dec 2018 10:32

Instrument :

MSVOA_W

ClientSampleId :

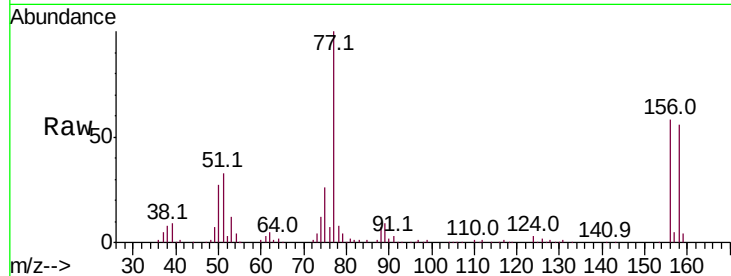
Tot Ion:156 Resp: 49188

Ion Ratio Lower Upper

156 100

77 186.6 87.4 262.1

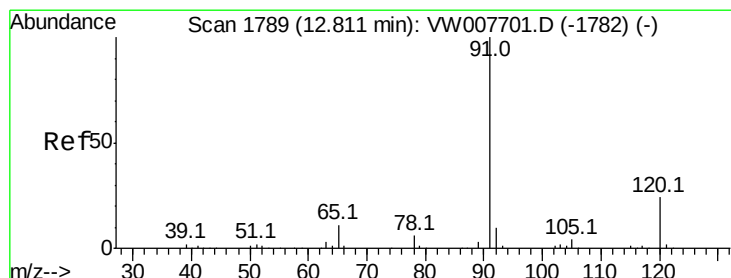
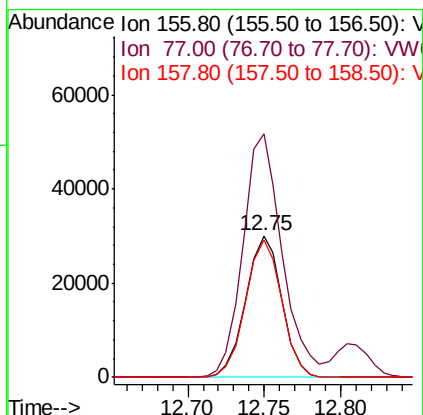
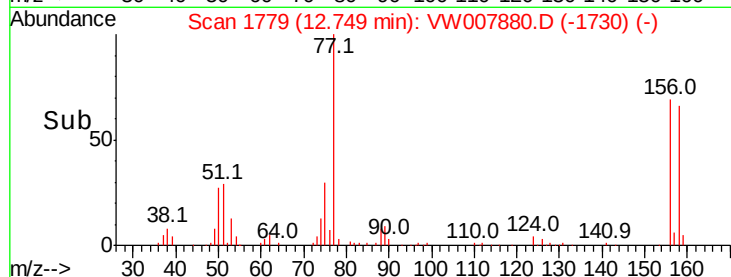
158 97.2 48.4 145.0



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: 59.133 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW007880.D

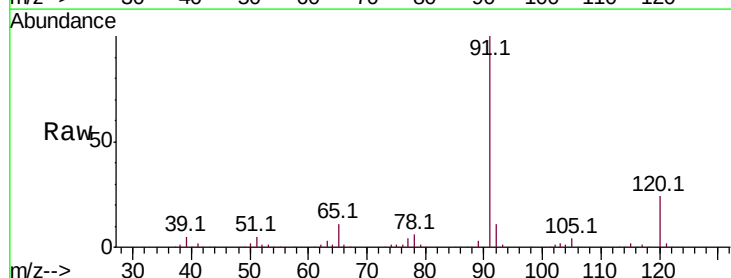
Acq: 24 Dec 2018 10:32

Tgt Ion: 91 Resp: 279125

Ion Ratio Lower Upper

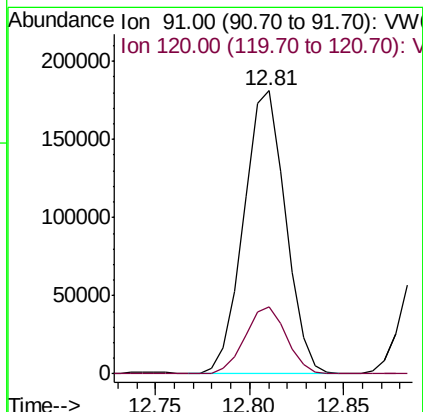
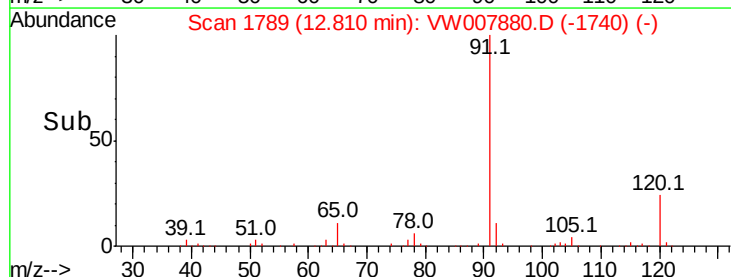
91 100

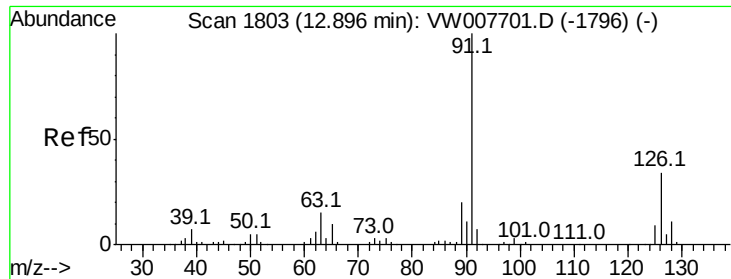
120 23.5 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 57.980 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW007880.D

Acq: 24 Dec 2018 10:32

Instrument :

MSVOA_W

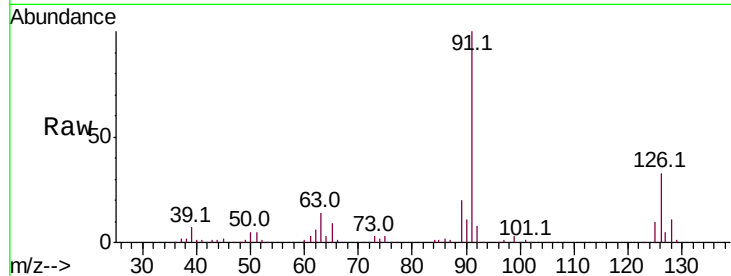
ClientSampleId :

Tot Ion: 91 Resp: 159435

Ion Ratio Lower Upper

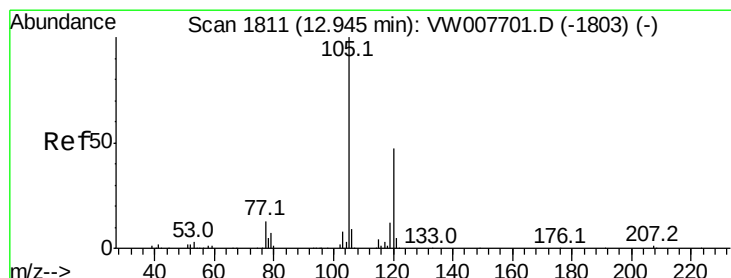
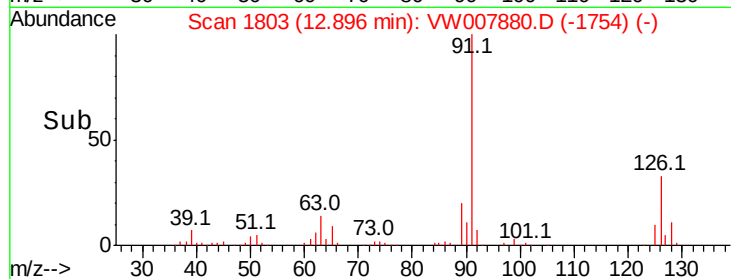
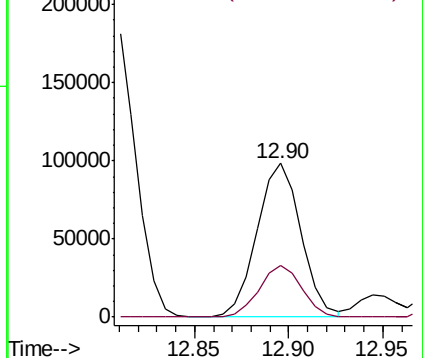
91 100

126 32.7 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 58.294 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW007880.D

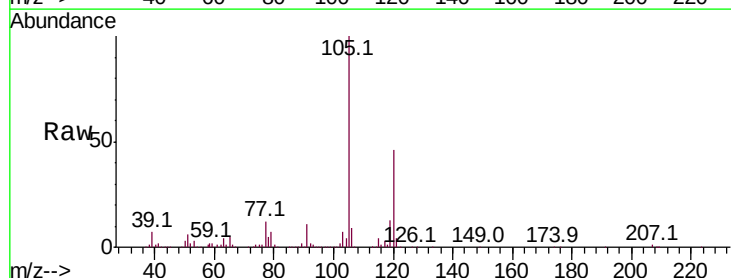
Acq: 24 Dec 2018 10:32

Tgt Ion:105 Resp: 203897

Ion Ratio Lower Upper

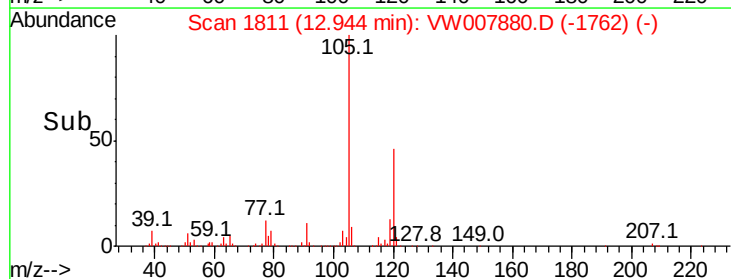
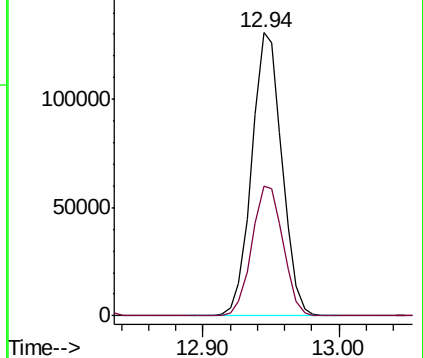
105 100

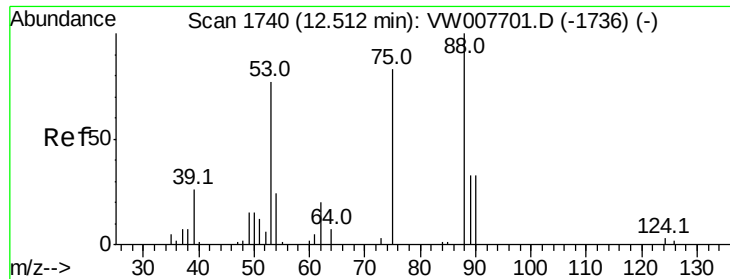
120 47.2 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 54.209 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VW007880.D

Acq: 24 Dec 2018 10:32

Instrument :

MSVOA_W

ClientSampled :

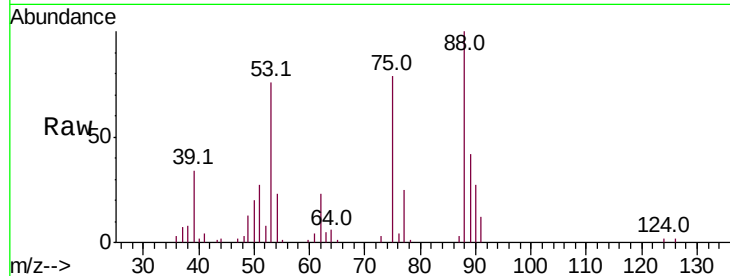
Tot Ion: 75 Resp: 10708

Ion Ratio Lower Upper

75 100

53 96.5 80.2 120.2

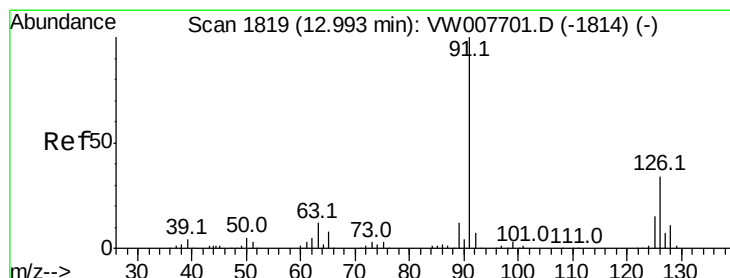
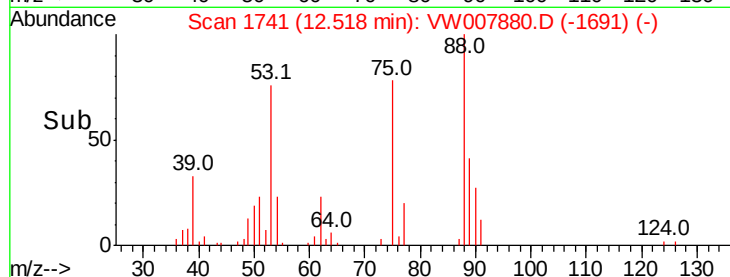
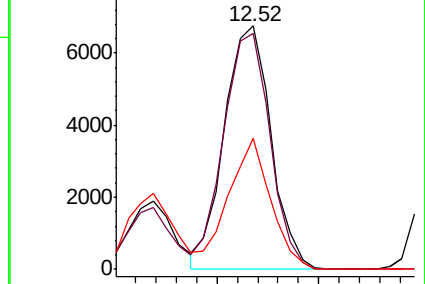
89 49.2 39.2 58.8



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: 56.816 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW007880.D

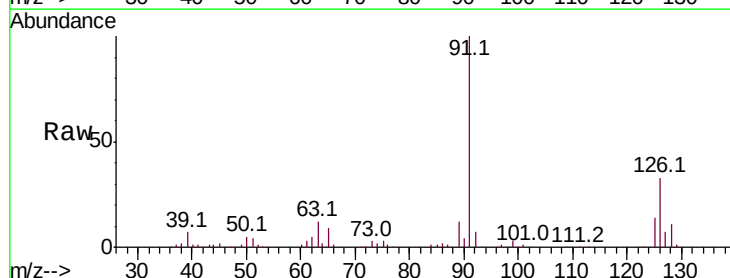
Acq: 24 Dec 2018 10:32

Tgt Ion: 91 Resp: 166352

Ion Ratio Lower Upper

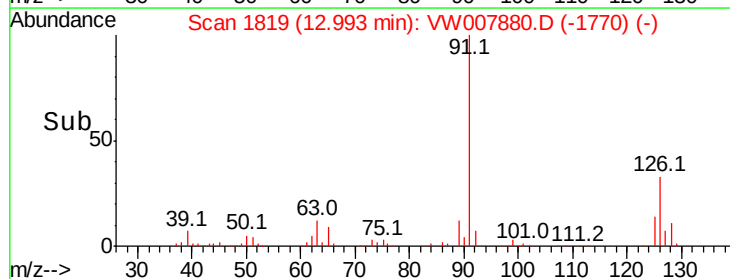
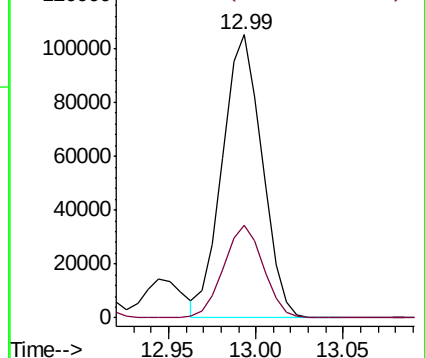
91 100

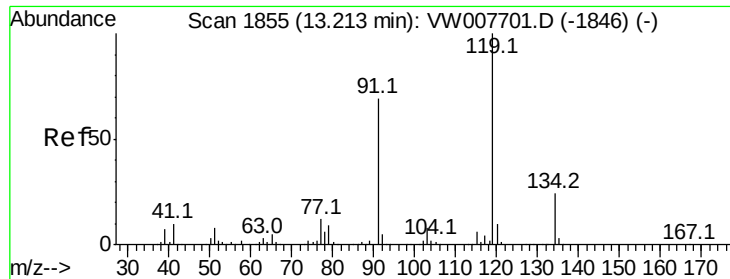
126 32.7 16.5 49.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 59.002 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW007880.D

Acq: 24 Dec 2018 10:32

Instrument :

MSVOA_W

ClientSampled :

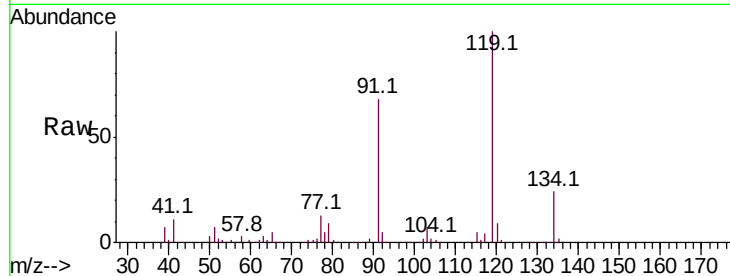
Tot Ion:119 Resp: 181077

Ion Ratio Lower Upper

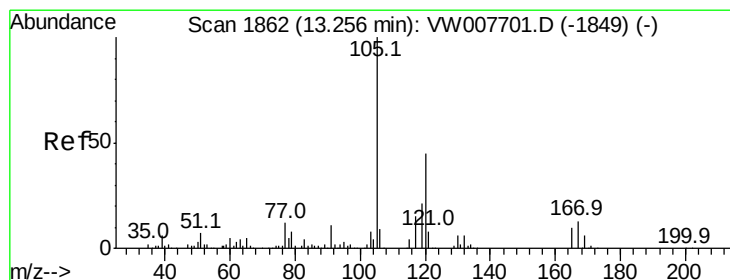
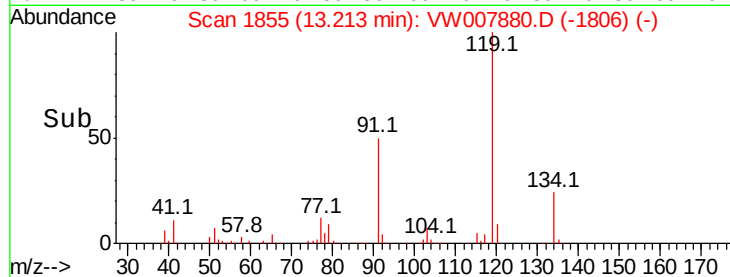
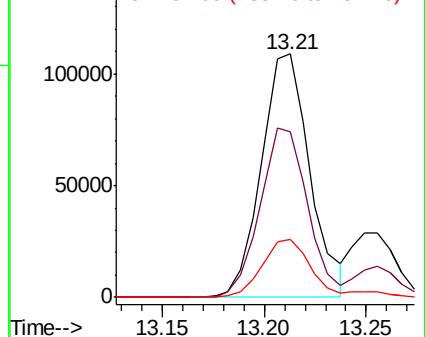
119 100

91 67.9 34.2 102.5

134 25.2 12.8 38.4



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



#84

1,2,4-Trimethylbenzene

Concen: 57.808 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW007880.D

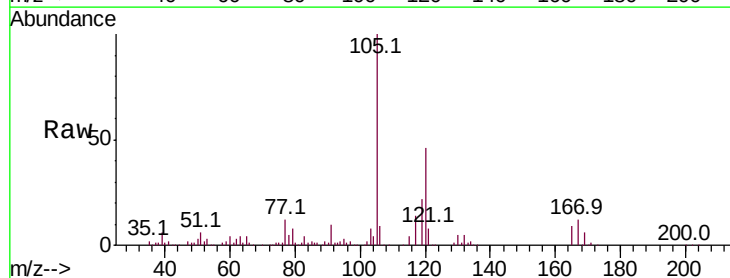
Acq: 24 Dec 2018 10:32

Tgt Ion:105 Resp: 204029

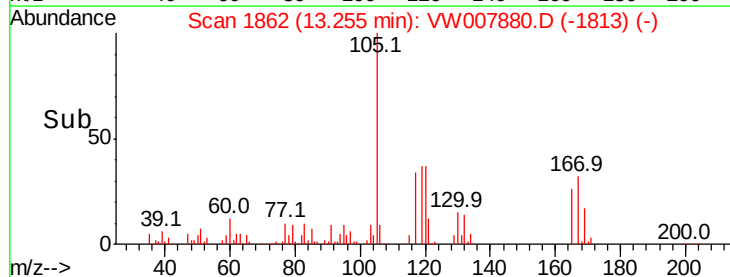
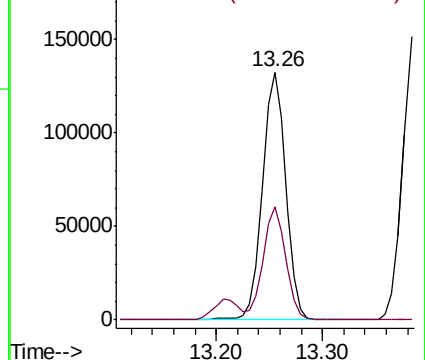
Ion Ratio Lower Upper

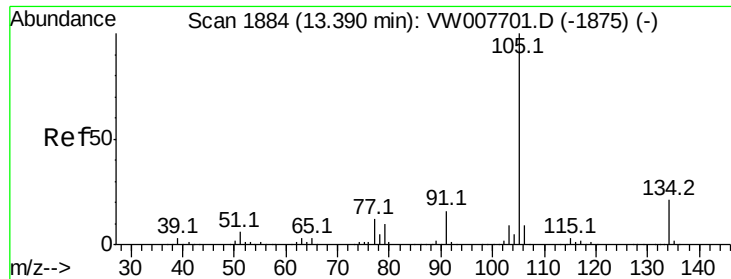
105 100

120 44.3 22.0 66.0



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

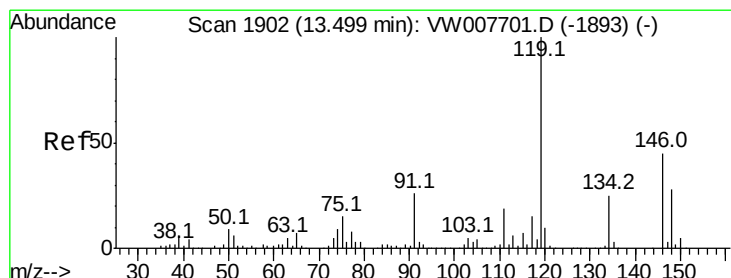
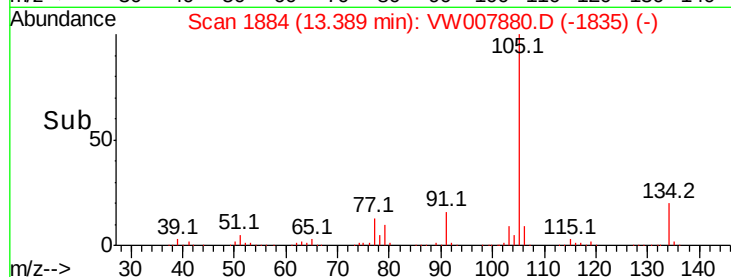
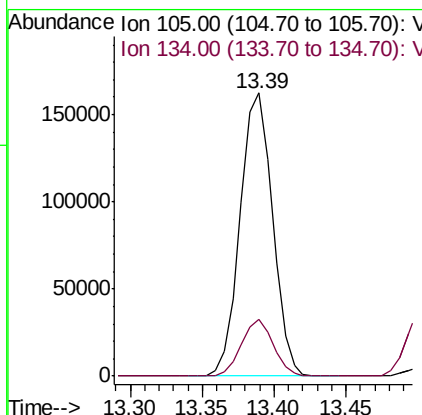
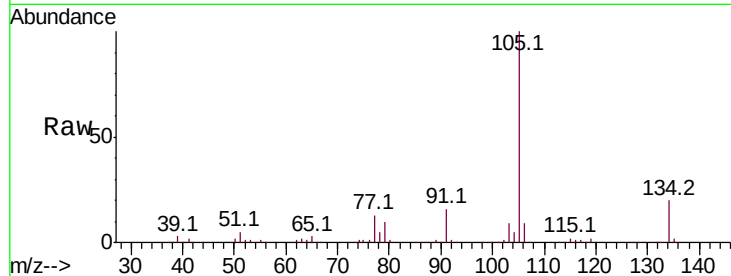




#85
 sec-Butylbenzene
 Concen: 60.167 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007880.D
 Acq: 24 Dec 2018 10:32

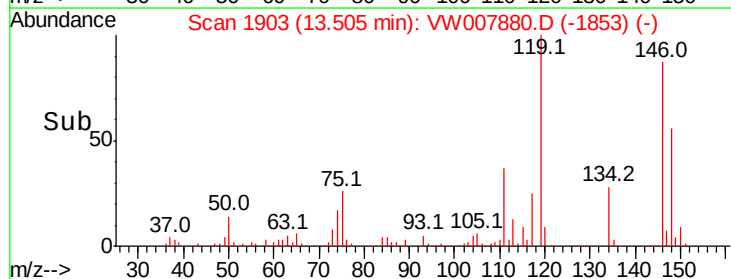
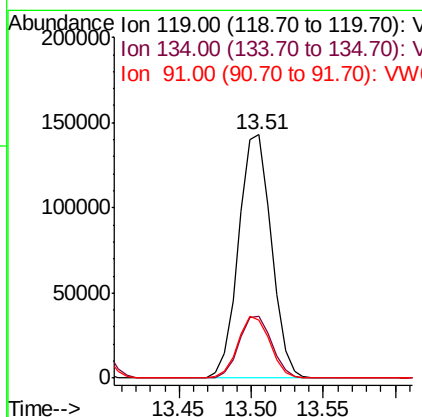
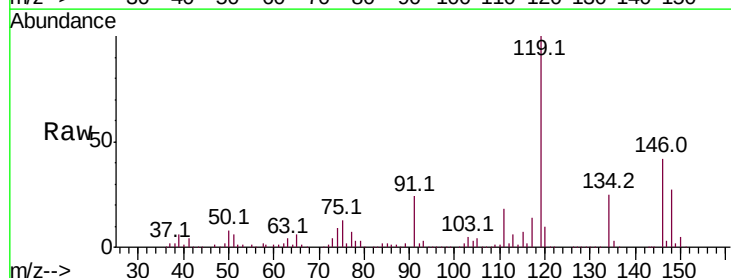
Instrument :
 MSVOA_W
 ClientSampleId :

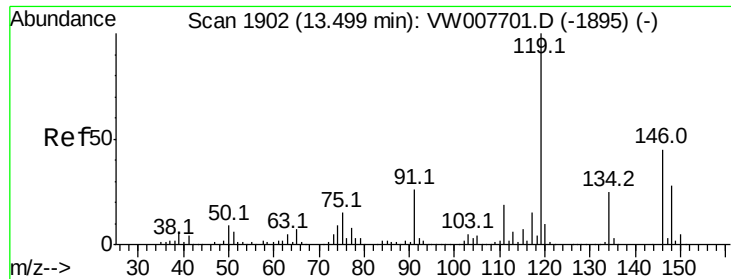
Tot Ion:105 Resp: 254484
 Ion Ratio Lower Upper
 105 100
 134 19.6 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 58.610 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007880.D
 Acq: 24 Dec 2018 10:32

Tgt Ion:119 Resp: 225420
 Ion Ratio Lower Upper
 119 100
 134 25.3 13.0 39.0
 91 24.7 12.8 38.4

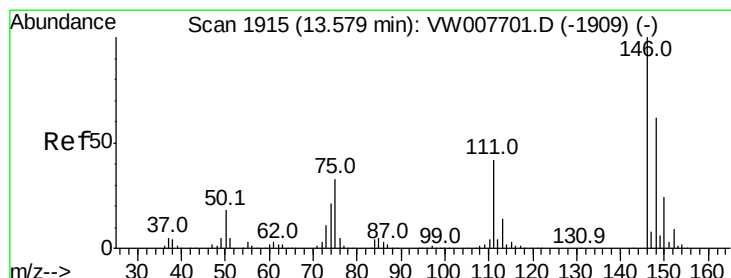
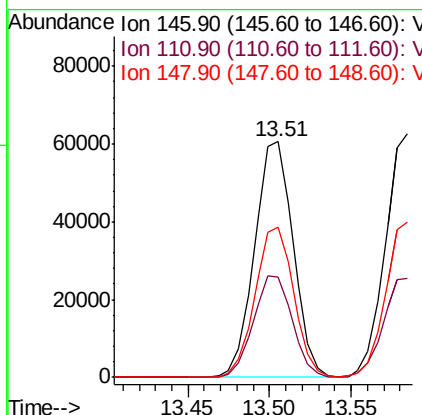
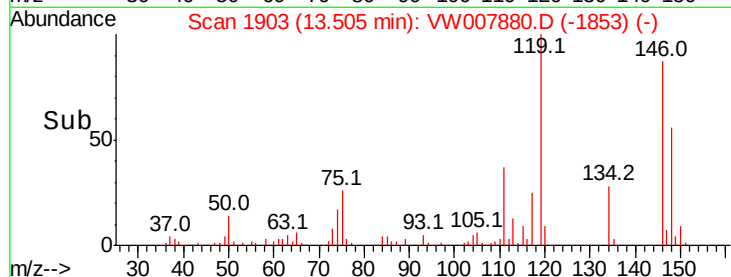
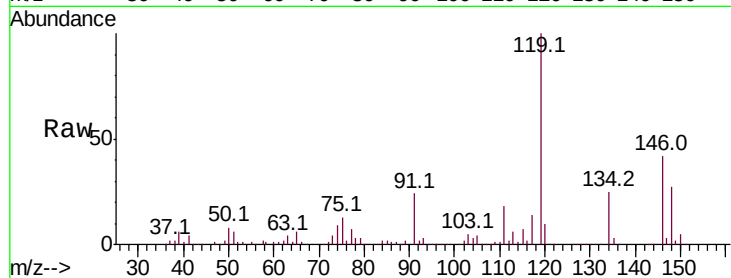




#87
 1,3-Dichlorobenzene
 Concen: 54.111 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007880.D
 Acq: 24 Dec 2018 10:32

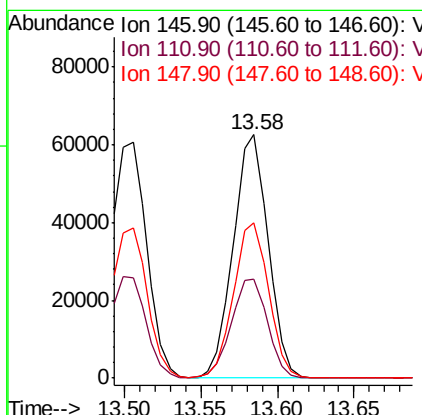
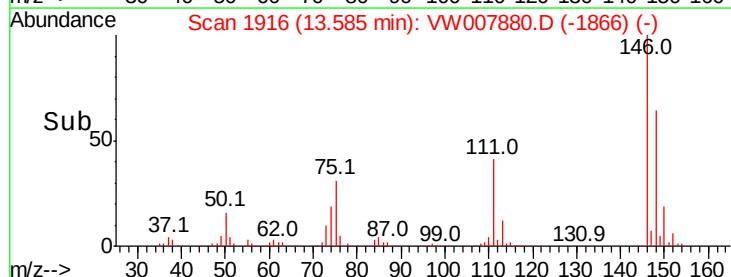
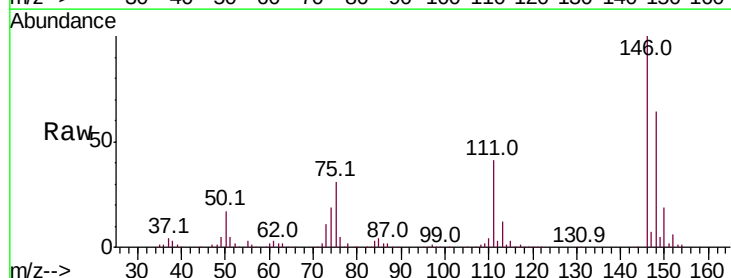
Instrument :
 MSVOA_W
 ClientSampleId :

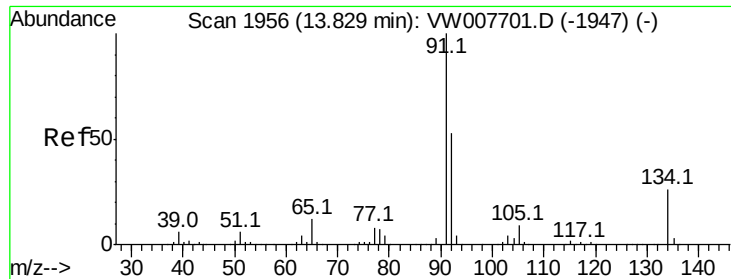
Tot Ion:146 Resp: 99842
 Ion Ratio Lower Upper
 146 100
 111 43.2 21.1 63.4
 148 63.7 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 53.768 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW007880.D
 Acq: 24 Dec 2018 10:32

Tgt Ion:146 Resp: 99238
 Ion Ratio Lower Upper
 146 100
 111 42.2 21.0 63.0
 148 64.2 31.8 95.4





#89

n-Butylbenzene

Concen: 60.044 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW007880.D

Acq: 24 Dec 2018 10:32

Instrument :

MSVOA_W

ClientSampleId :

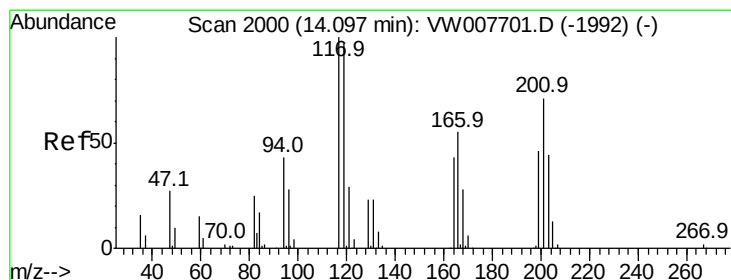
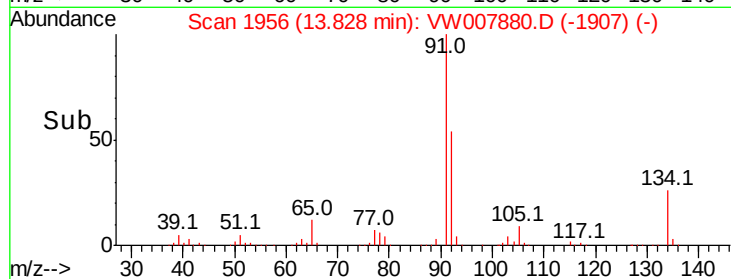
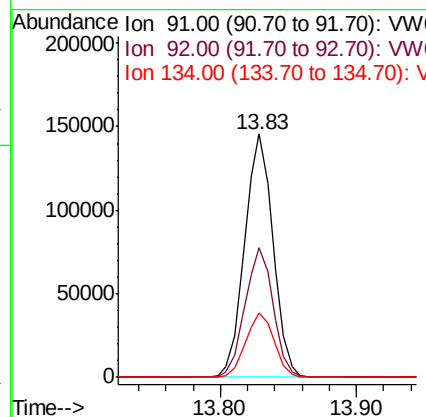
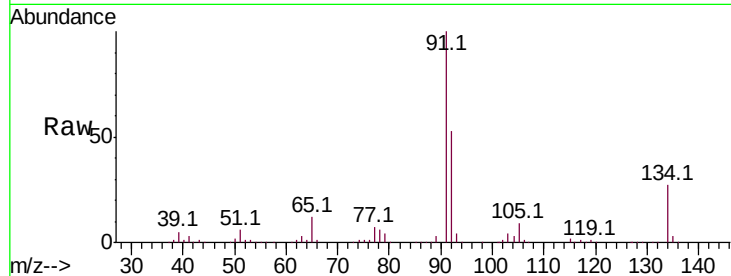
Tot Ion: 91 Resp: 211740

Ion Ratio Lower Upper

91 100

92 53.0 26.4 79.2

134 26.3 13.7 41.0



#90

Hexachloroethane

Concen: 53.597 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW007880.D

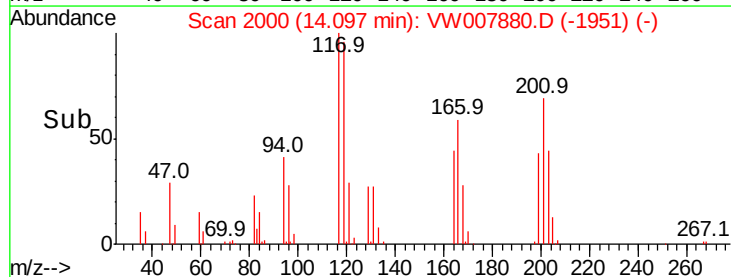
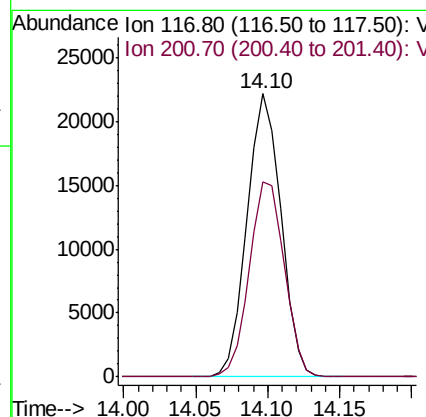
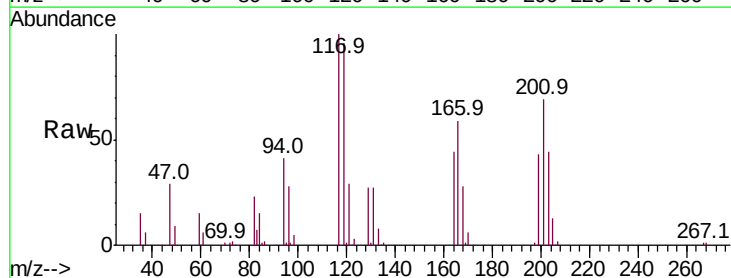
Acq: 24 Dec 2018 10:32

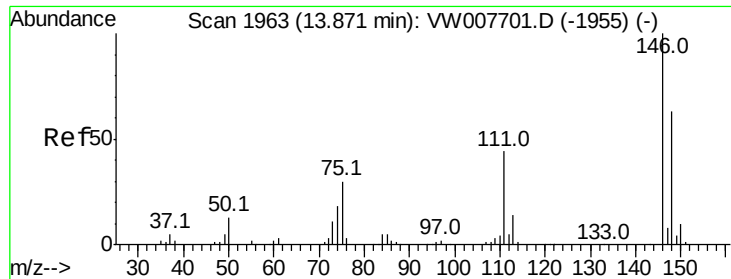
Tgt Ion: 117 Resp: 36190

Ion Ratio Lower Upper

117 100

201 70.8 36.2 108.6

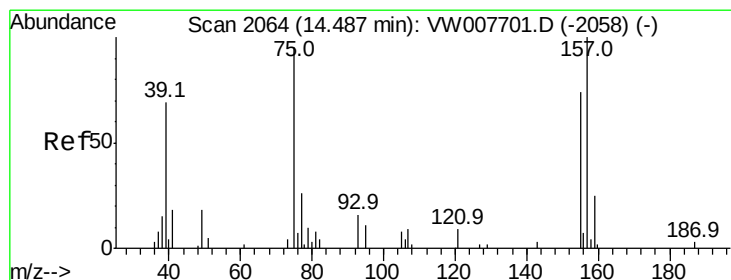
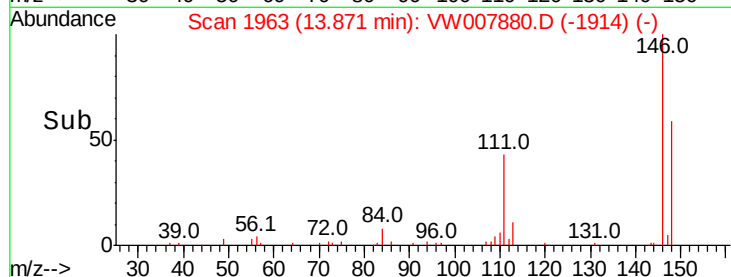
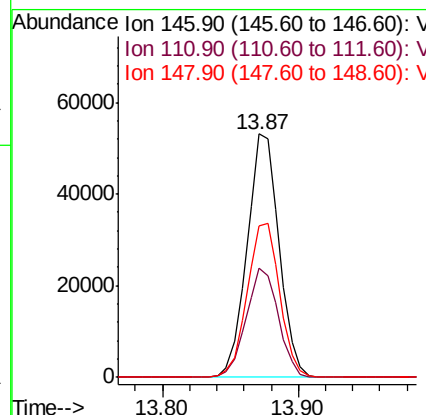
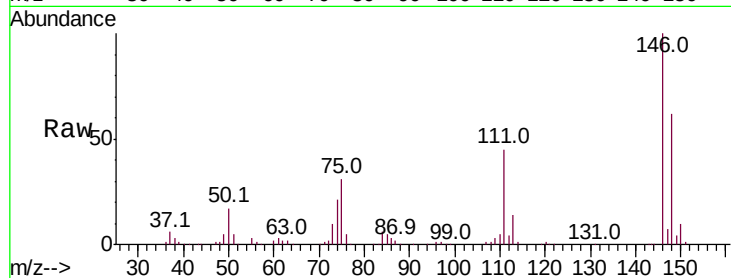




#91
 1,2-Dichlorobenzene
 Concen: 52.944 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW007880.D
 Acq: 24 Dec 2018 10:32

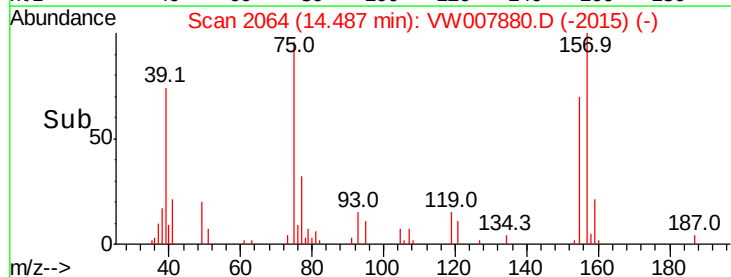
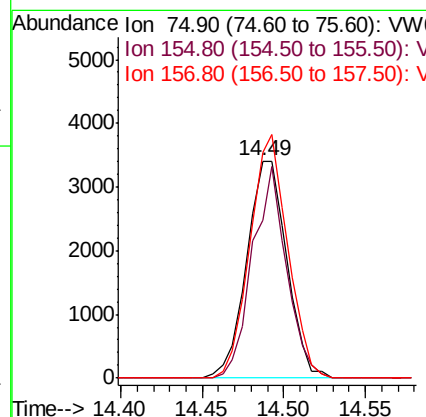
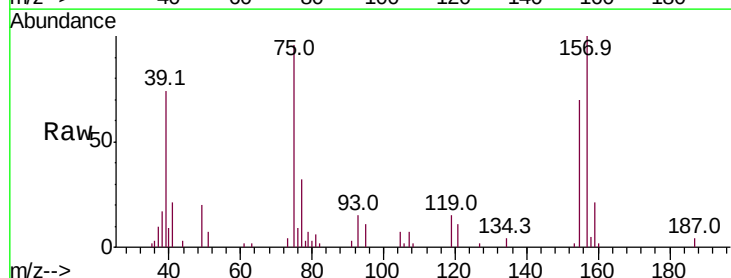
Instrument :
 MSVOA_W
 ClientSampleId :

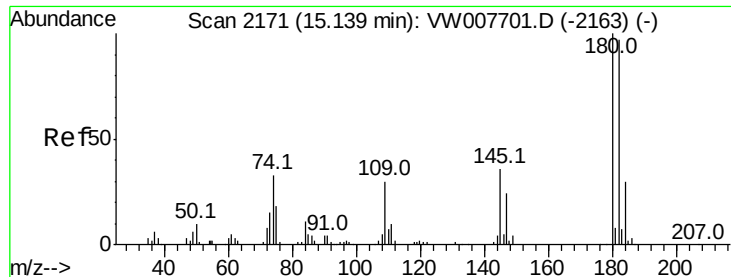
Tot Ion:146 Resp: 87464
 Ion Ratio Lower Upper
 146 100
 111 45.1 21.7 65.1
 148 64.3 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.685 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW007880.D
 Acq: 24 Dec 2018 10:32

Tgt Ion: 75 Resp: 5829
 Ion Ratio Lower Upper
 75 100
 155 83.4 39.4 118.1
 157 105.7 52.0 156.0

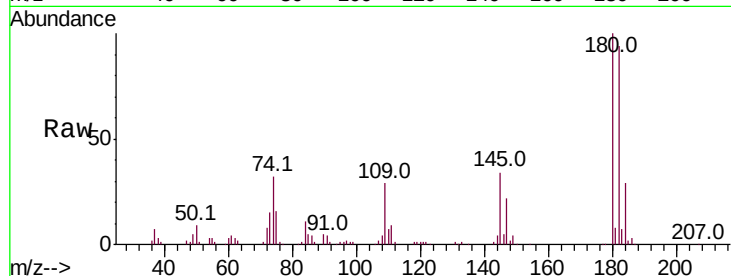




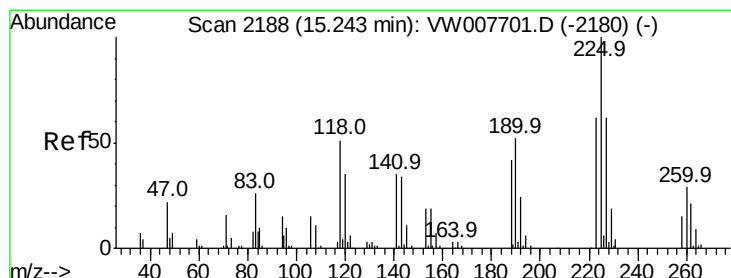
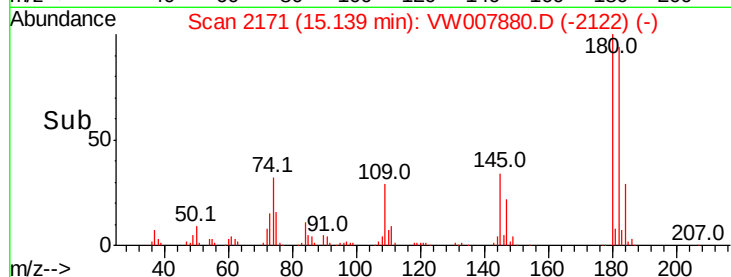
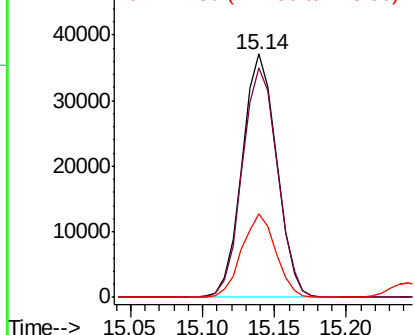
#93
 1,2,4-Trichlorobenzene
 Concen: 53.807 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007880.D
 Acq: 24 Dec 2018 10:32

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:180 Resp: 61703
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.5 142.6
 145 33.6 17.5 52.5

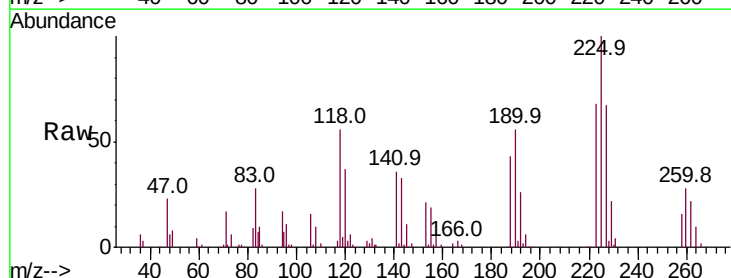


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

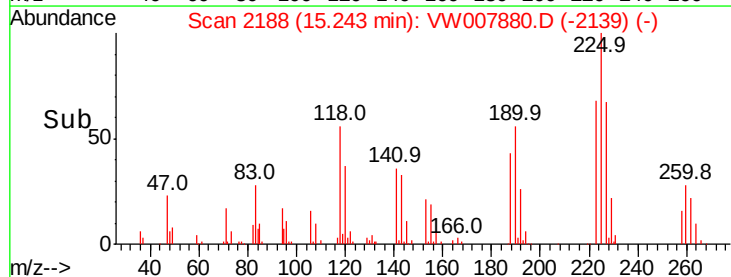
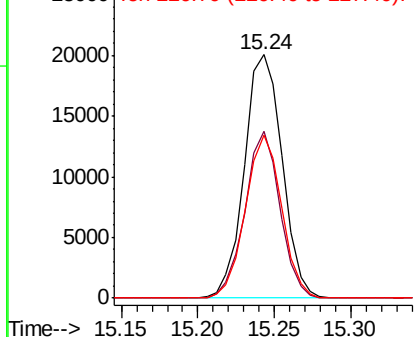


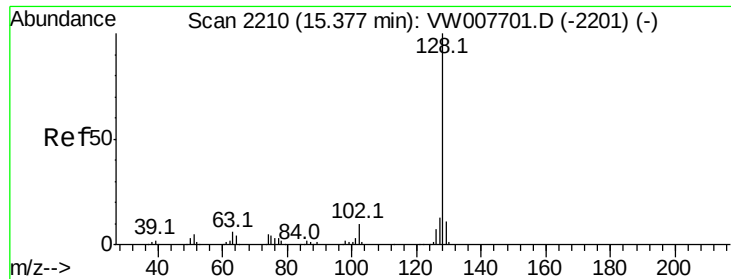
#94
 Hexachlorobutadiene
 Concen: 56.350 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007880.D
 Acq: 24 Dec 2018 10:32

Tgt Ion:225 Resp: 34534
 Ion Ratio Lower Upper
 225 100
 223 63.4 31.6 94.8
 227 63.9 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

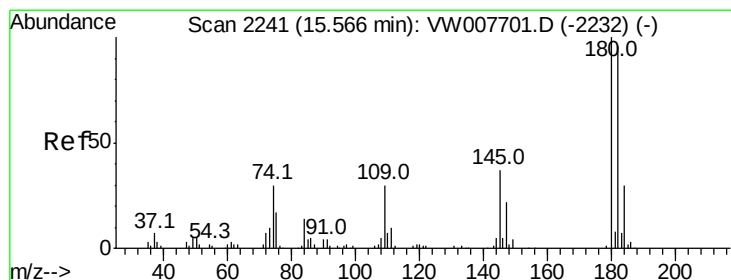
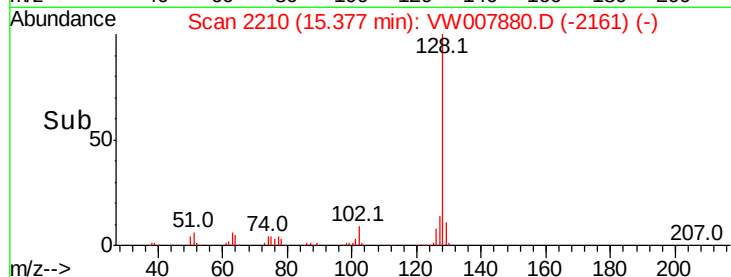
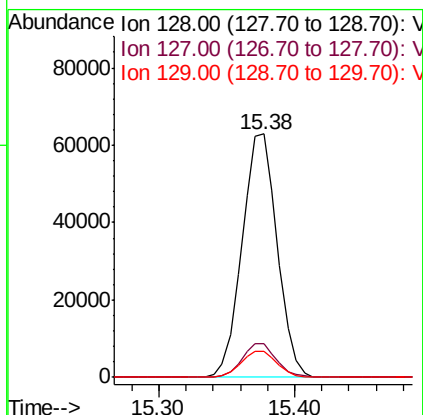
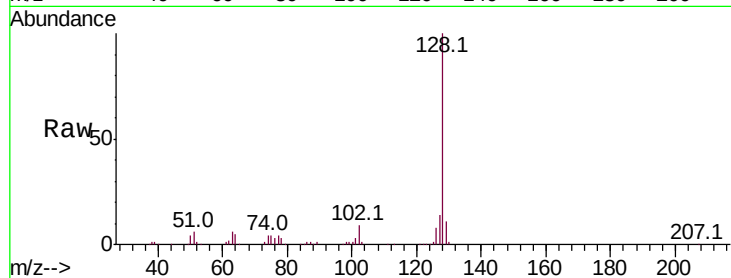




#95
Naphthalene
Concen: 53.501 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007880.D
Acq: 24 Dec 2018 10:32

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 113430
Ion Ratio Lower Upper
128 100
127 13.5 10.7 16.1
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 52.769 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW007880.D
Acq: 24 Dec 2018 10:32

Tgt Ion:180 Resp: 51799
Ion Ratio Lower Upper
180 100
182 97.0 47.4 142.2
145 37.4 18.4 55.0

