

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100318\
 Data File : VW005806.D
 Acq On : 03 Oct 2018 10:20
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/105ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 04 05:11:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 03 08:01:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	285472	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	280031	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	151034	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	78811	21.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.64%
7) Chloroethane-d5	2.90	69	66977	23.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.36%
10) 1,1-Dichloroethene-d2	4.01	63	185876	23.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.56%
20) 2-Butanone-d5	7.09	46	53249	45.58	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.16%
24) Chloroform-d	7.65	84	194568	26.53	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.12%
26) 1,2-Dichloroethane-d4	8.31	65	115352	25.97	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.88%
29) Benzene-d6	8.27	84	357602	25.80	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.20%
33) 1,2-Dichloropropane-d6	9.28	67	105662	26.37	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.48%
37) Toluene-d8	10.33	98	339209	24.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.16%
38) trans-1,3-Dichloropropene-	10.59	79	50098	23.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.24%
39) 2-Hexanone-d5	10.93	63	43578	46.45	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.90%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	98209	25.23	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.92%
61) 1,2-Dichlorobenzene-d4	13.87	152	137447	25.72	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.88%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	82301	24.586	ug/L	94
3) Chloromethane	2.22	50	67089	21.515	ug/L	98
5) Vinyl chloride	2.37	62	109212	24.290	ug/L	99
6) Bromomethane	2.79	94	64454	23.826	ug/L	99
8) Chloroethane	2.93	64	62427	24.972	ug/L	98
9) Trichlorofluoromethane	3.26	101	82195	23.926	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	99691	25.688	ug/L	98
12) 1,1-Dichloroethene	4.03	96	92200	24.875	ug/L	92
13) Acetone	4.14	43	48423	39.801	ug/L	70
14) Carbon disulfide	4.38	76	267098	22.983	ug/L	99
15) Methyl Acetate	4.68	43	46678	21.619	ug/L	96
16) Methylene chloride	4.92	84	112926	23.991	ug/L	97
17) Methyl tert-butyl Ether	5.43	73	141554	24.002	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	94201	24.712	ug/L	98
19) 1,1-Dichloroethane	6.21	63	180034	25.523	ug/L	100
21) 2-Butanone	7.19	43	62531	42.917	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	104856	25.305	ug/L	98

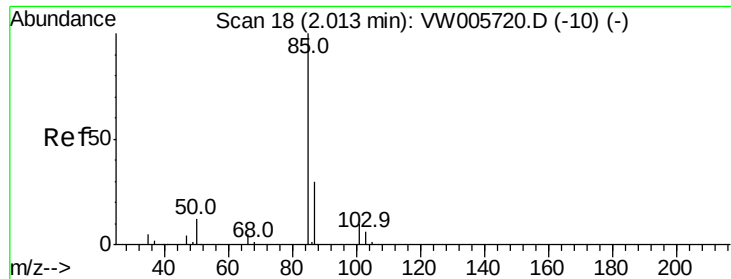
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100318\
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 Quant Title : VOC Analysis
 QLast Update : Wed Oct 03 08:01:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	49057	25.509	ug/L	98
25) Chloroform	7.68	83	197433	26.160	ug/L	99
27) 1,2-Dichloroethane	8.40	62	141699	25.501	ug/L	99
30) Cyclohexane	7.96	56	156968	24.731	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	173676	25.326	ug/L	99
32) Carbon tetrachloride	8.07	117	169925	25.446	ug/L	99
34) Benzene	8.33	78	410241	25.927	ug/L	100
35) Trichloroethene	9.10	95	105275	24.870	ug/L	100
36) Methylcyclohexane	9.34	83	185626	25.218	ug/L	99
40) 1,2-Dichloropropane	9.37	63	102450	26.569	ug/L	99
41) Bromodichloromethane	9.65	83	141700	26.137	ug/L	97
42) cis-1,3-Dichloropropene	10.08	75	159218	25.003	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	133914	42.556	ug/L	100
44) Toluene	10.39	91	445364	25.188	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	147945	24.951	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	79532	24.717	ug/L	99
47) Tetrachloroethene	10.87	164	91542	24.546	ug/L	95
49) 2-Hexanone	10.98	43	97886	44.315	ug/L	98
50) Dibromochloromethane	11.13	129	101170	25.070	ug/L	94
51) 1,2-Dibromoethane	11.24	107	73354	23.580	ug/L	95
52) Chlorobenzene	11.66	112	295937	25.441	ug/L	100
53) Ethylbenzene	11.74	91	521718	25.770	ug/L	100
54) m,p-Xylene	11.85	106	196597	25.775	ug/L	97
55) o-xylene	12.17	106	188165	26.174	ug/L	99
56) Styrene	12.19	104	334680	26.528	ug/L	98
57) Isopropylbenzene	12.47	105	534011	26.006	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	99003	24.119	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	77602	23.290	ug/L	99
62) Bromoform	12.35	173	64638	24.067	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	243160	25.346	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	253627	25.315	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	235934	25.558	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	18381	20.942	ug/L	96
67) 1,3,5-Trichlorobenzene	14.64	180	200245	25.432	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	165574	25.599	ug/L	99
69) Naphthalene	15.38	128	304033	23.459	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	155670	25.680	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 24.586 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.01 min

Lab File: VW005806.D

Acq: 03 Oct 2018 10:20

Instrument :

MSVOA_W

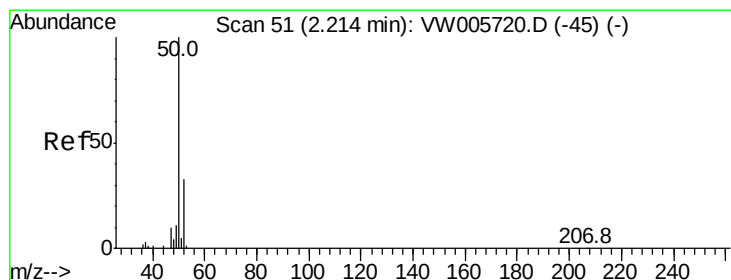
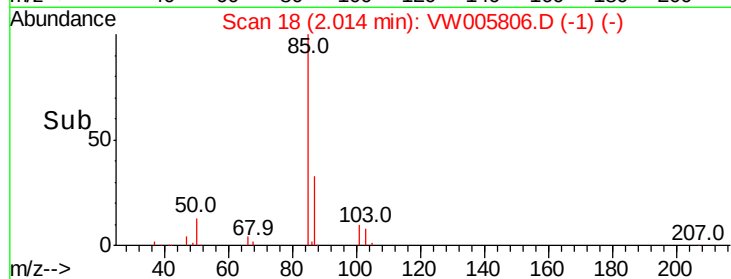
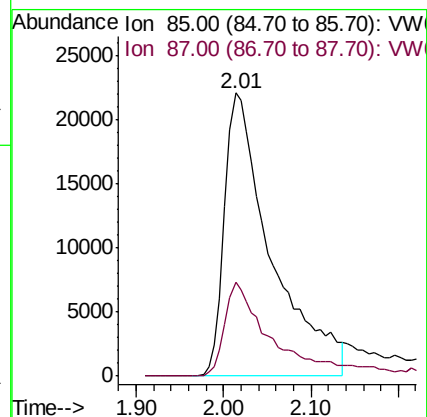
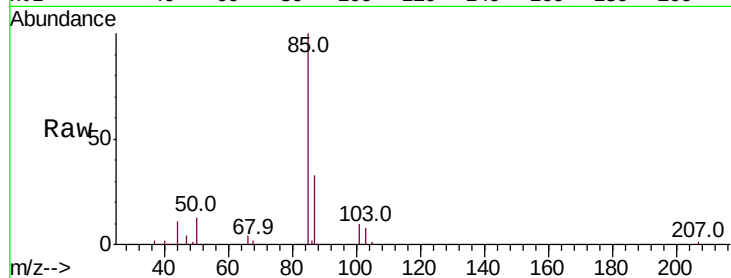
ClientSampleId :

Tot Ion: 85 Resp: 82301

Ion Ratio Lower Upper

85 100

87 30.3 19.2 35.6



#3

Chloromethane

Concen: 21.515 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW005806.D

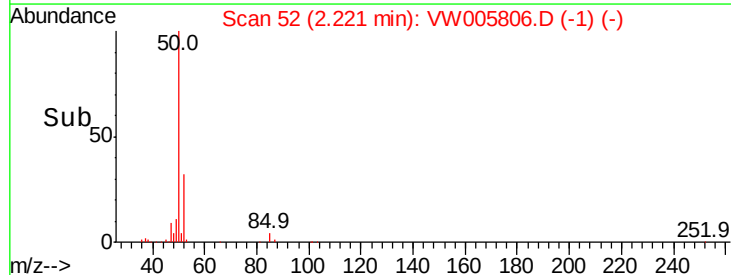
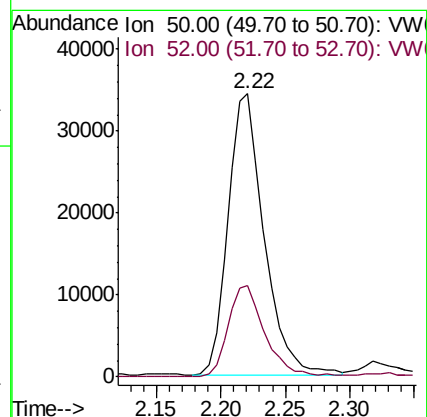
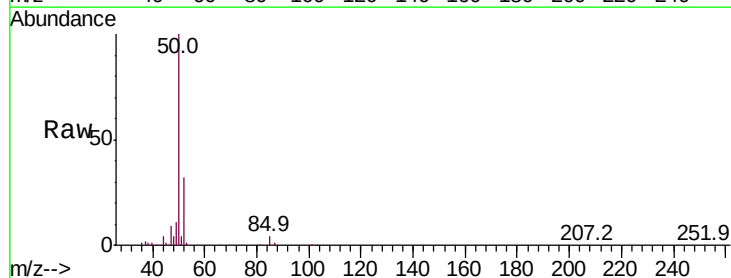
Acq: 03 Oct 2018 10:20

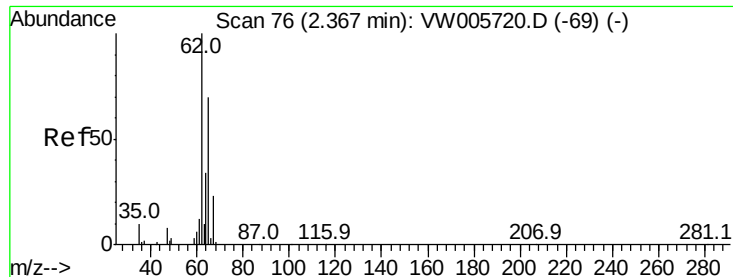
Tgt Ion: 50 Resp: 67089

Ion Ratio Lower Upper

50 100

52 32.3 23.4 43.4





#5

Vinyl chloride

Concen: 24.290 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW005806.D

Acq: 03 Oct 2018 10:20

Instrument :

MSVOA_W

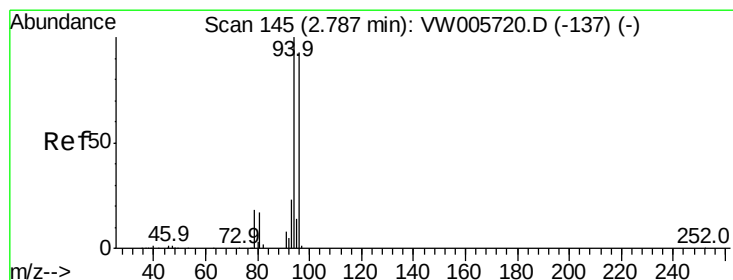
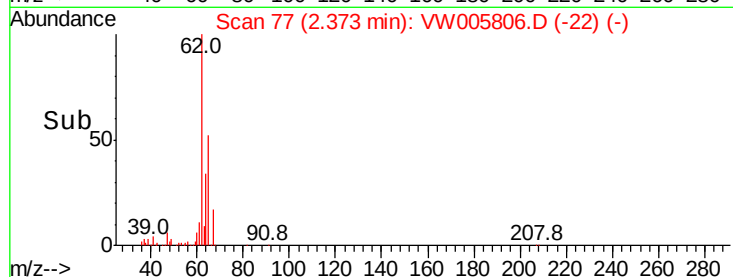
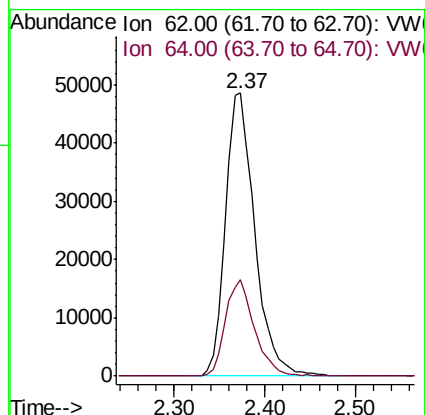
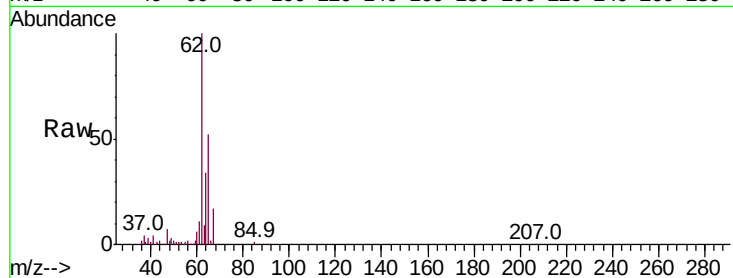
ClientSampled :

Tot Ion: 62 Resp: 109212

Ion Ratio Lower Upper

62 100

64 34.0 24.1 44.7



#6

Bromomethane

Concen: 23.826 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW005806.D

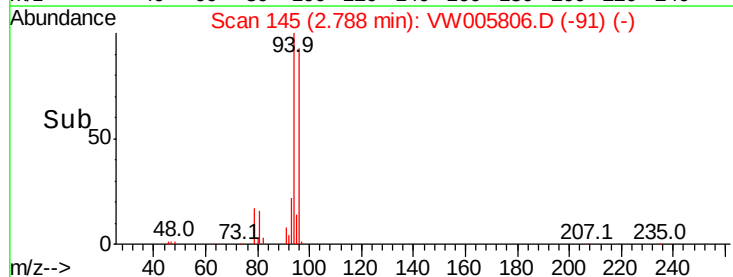
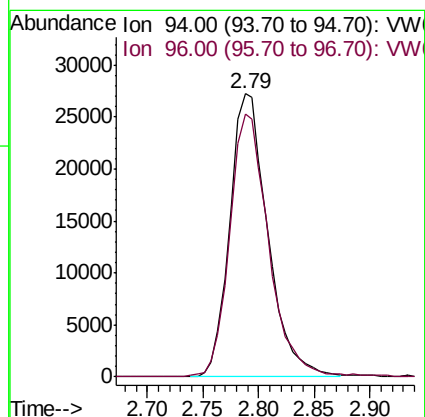
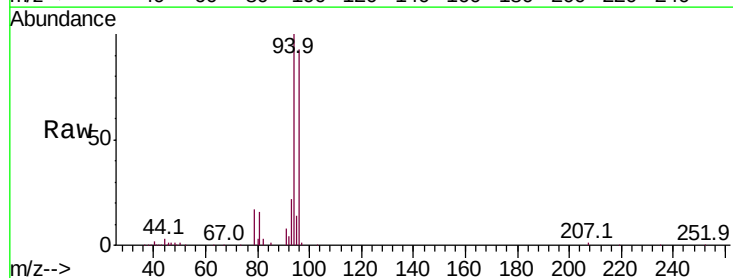
Acq: 03 Oct 2018 10:20

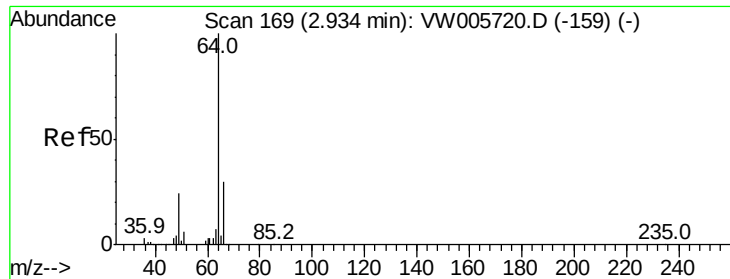
Tgt Ion: 94 Resp: 64454

Ion Ratio Lower Upper

94 100

96 94.8 9.6 181.6





#8

Chloroethane

Concen: 24.972 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW005806.D

Acq: 03 Oct 2018 10:20

Instrument :

MSVOA_W

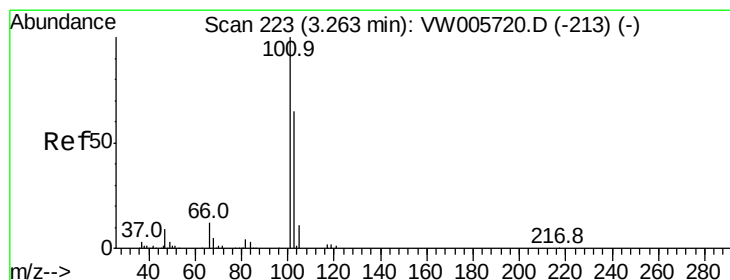
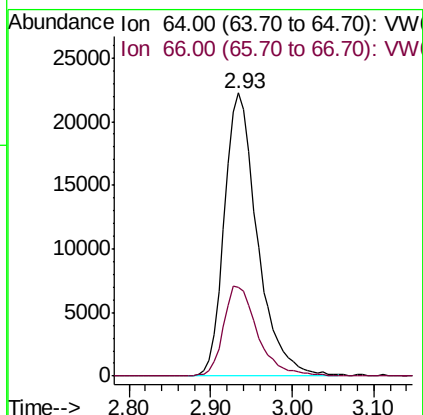
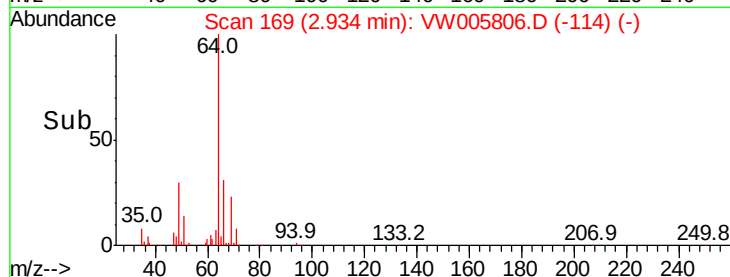
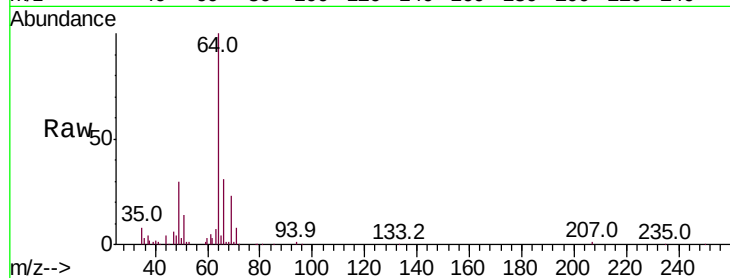
ClientSampled :

Tot Ion: 64 Resp: 62427

Ion Ratio Lower Upper

64 100

66 31.2 21.1 39.3



#9

Trichlorofluoromethane

Concen: 23.926 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW005806.D

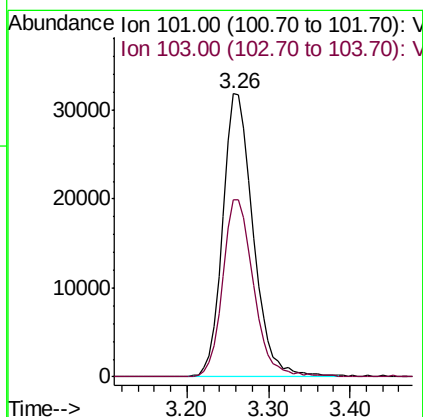
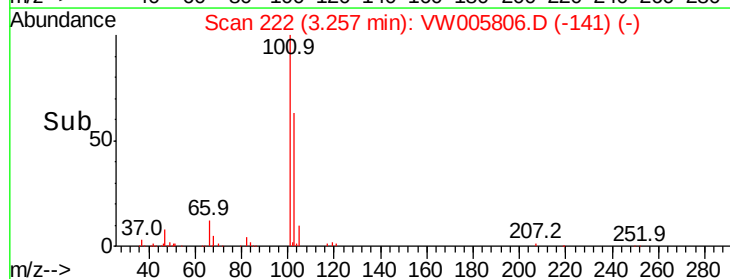
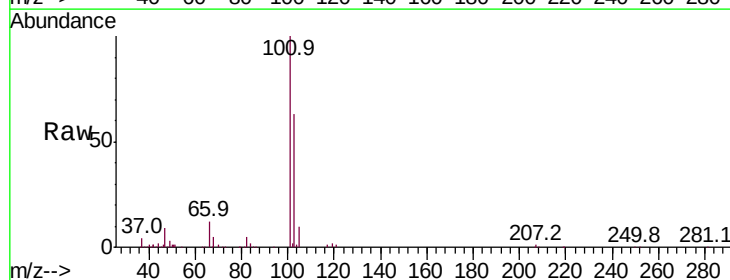
Acq: 03 Oct 2018 10:20

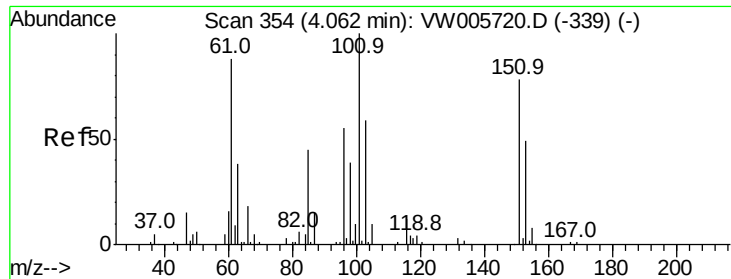
Tgt Ion: 101 Resp: 82195

Ion Ratio Lower Upper

101 100

103 63.6 44.9 83.5





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 25.688 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW005806.D

Acq: 03 Oct 2018 10:20

Instrument :

MSVOA_W

ClientSampleId :

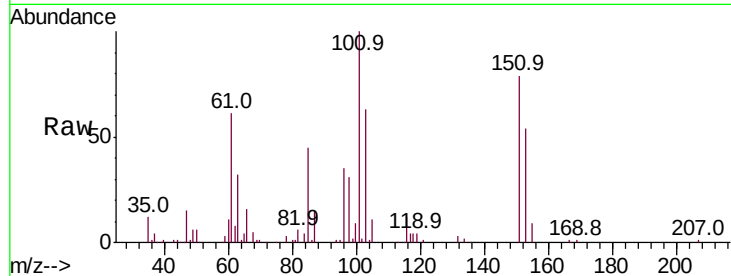
Tot Ion:101 Resp: 99691

Ion Ratio Lower Upper

101 100

85 45.1 35.0 52.4

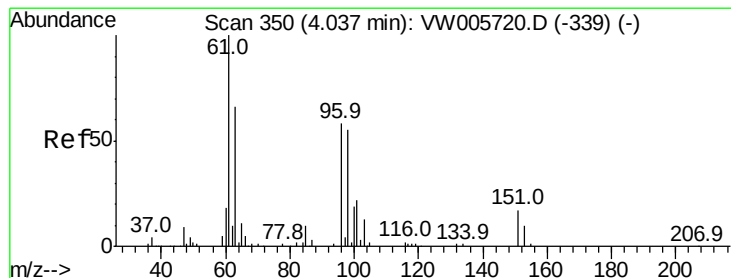
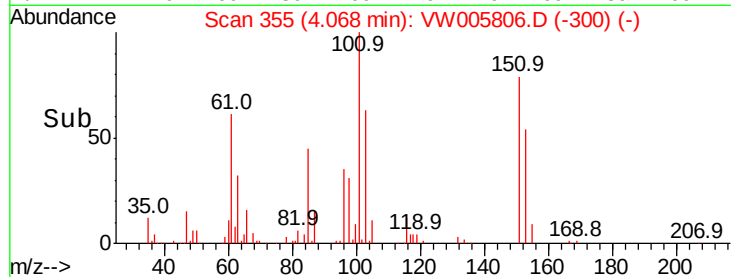
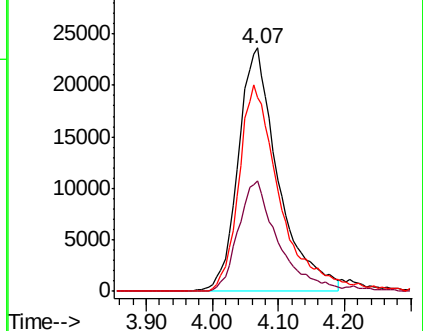
151 80.8 66.4 99.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 24.875 ug/L

RT: 4.03 min Scan# 349

Delta R.T. 0.00 min

Lab File: VW005806.D

Acq: 03 Oct 2018 10:20

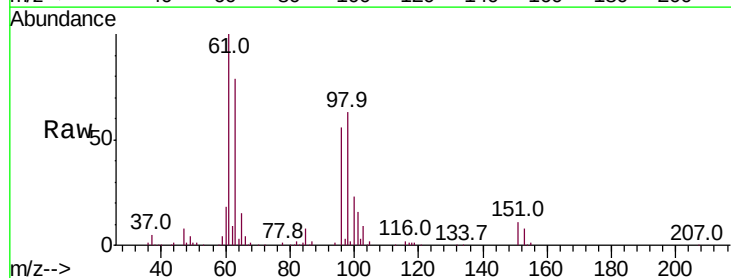
Tgt Ion: 96 Resp: 92200

Ion Ratio Lower Upper

96 100

61 178.6 121.4 225.6

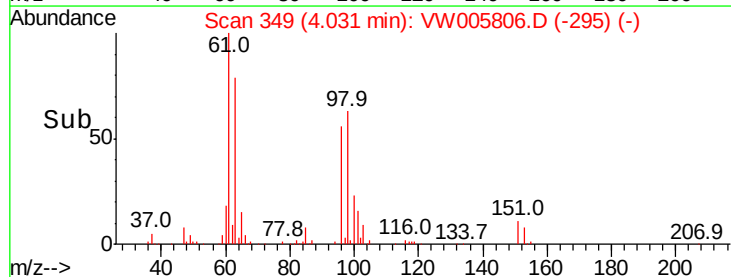
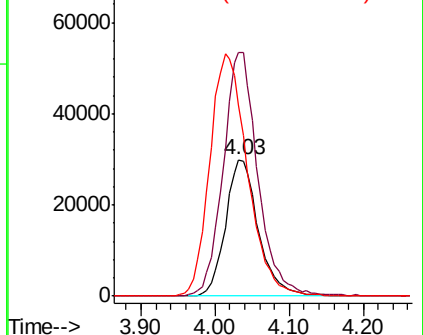
63 140.4 87.2 161.9

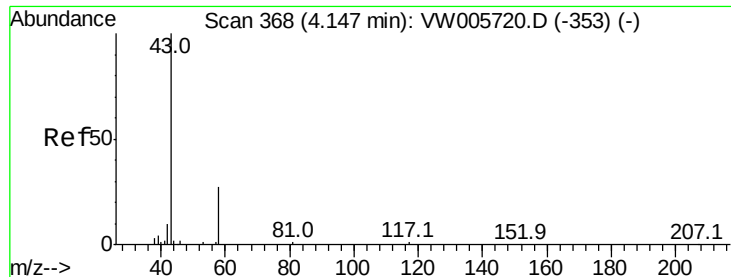


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 39.801 ug/L

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW005806.D

Acq: 03 Oct 2018 10:20

Instrument :

MSVOA_W

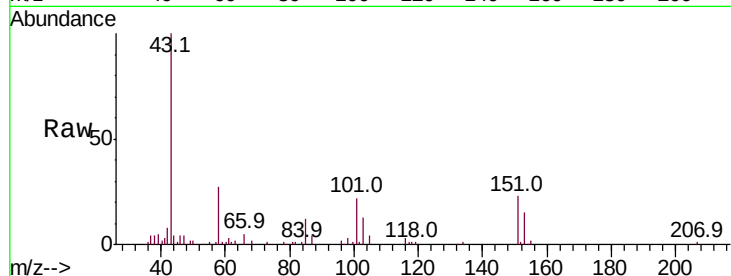
ClientSampleId :

Tot Ion: 43 Resp: 48423

Ion Ratio Lower Upper

43 100

58 28.6 0.0 31.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

15000

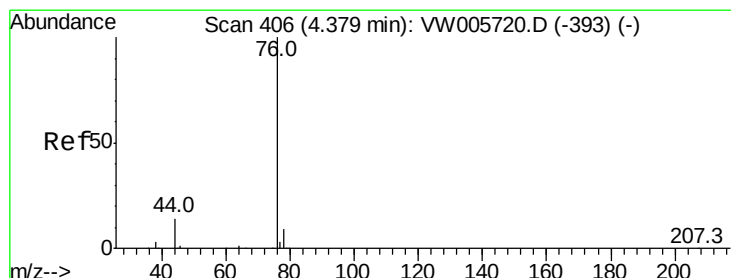
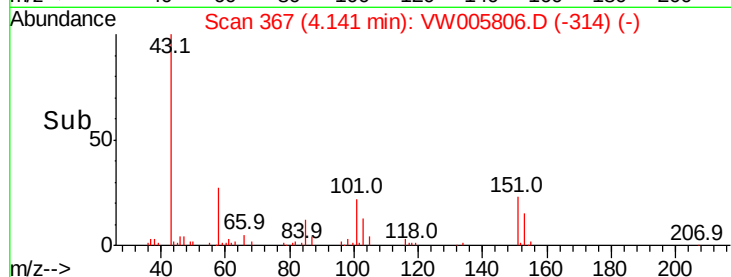
10000

5000

0

4.00 4.10 4.20

Time-->



#14

Carbon disulfide

Concen: 22.983 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW005806.D

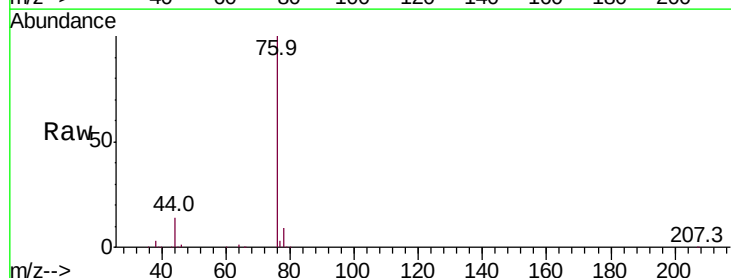
Acq: 03 Oct 2018 10:20

Tgt Ion: 76 Resp: 267098

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

100000

80000

60000

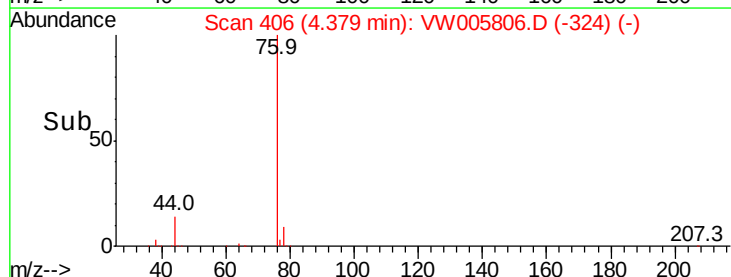
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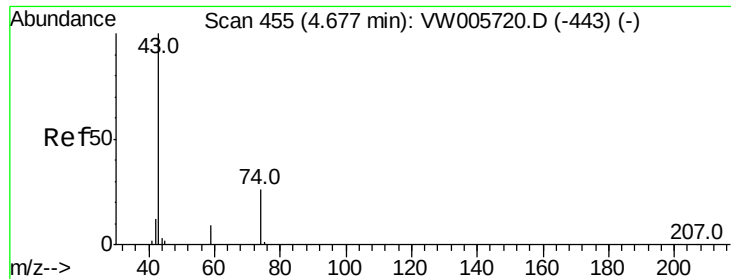
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4.30 4.40 4.50

Time-->

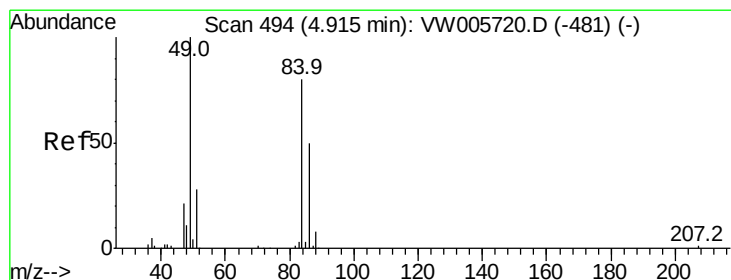
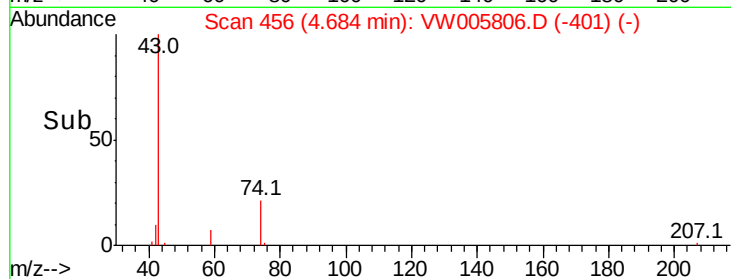
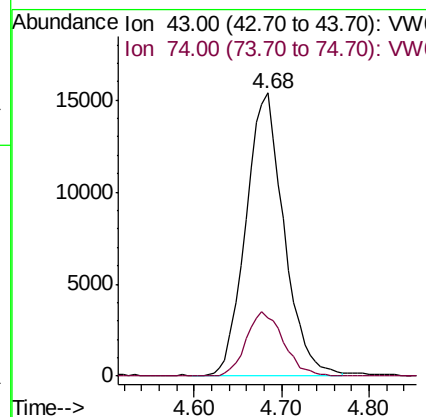
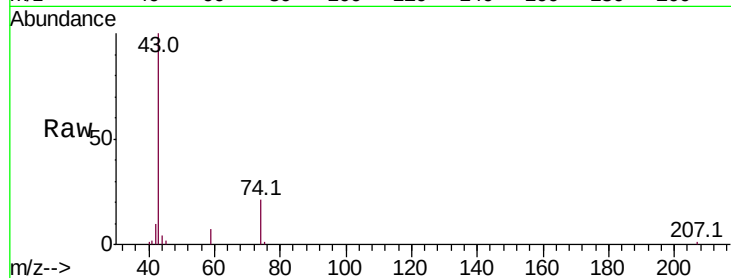




#15
Methyl Acetate
Concen: 21.619 ug/L
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW005806.D
Acq: 03 Oct 2018 10:20

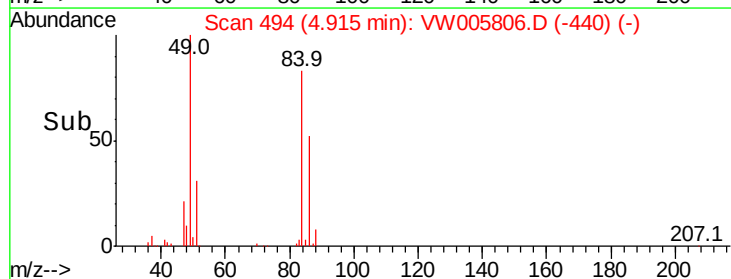
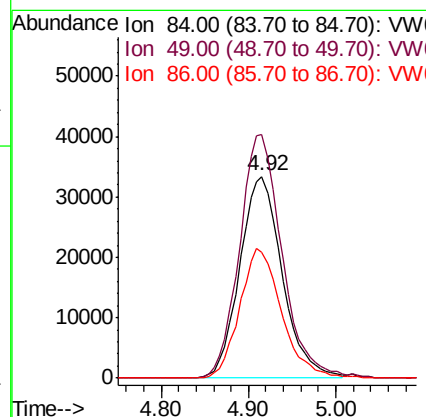
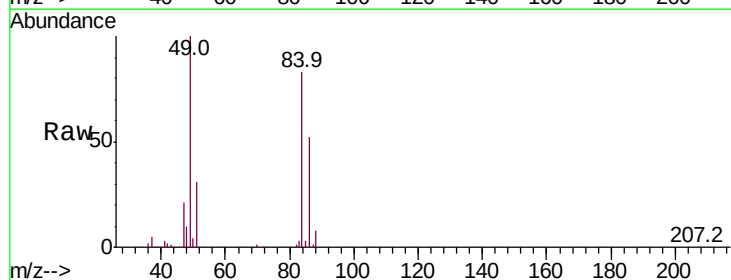
Instrument :
MSVOA_W
ClientSampled :

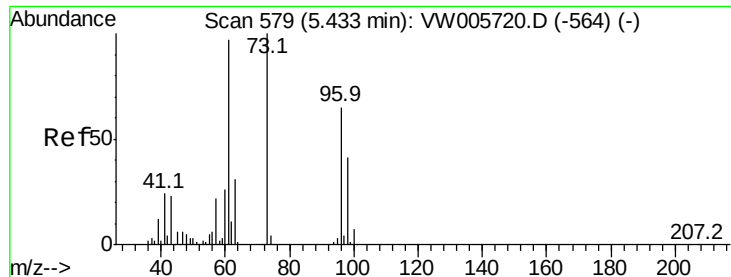
Tot Ion: 43 Resp: 46678
Ion Ratio Lower Upper
43 100
74 22.2 19.5 29.3



#16
Methylene chloride
Concen: 23.991 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW005806.D
Acq: 03 Oct 2018 10:20

Tgt Ion: 84 Resp: 112926
Ion Ratio Lower Upper
84 100
49 120.7 87.2 162.0
86 62.7 43.2 80.2





#17

Methyl tert-butyl Ether

Concen: 24.002 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

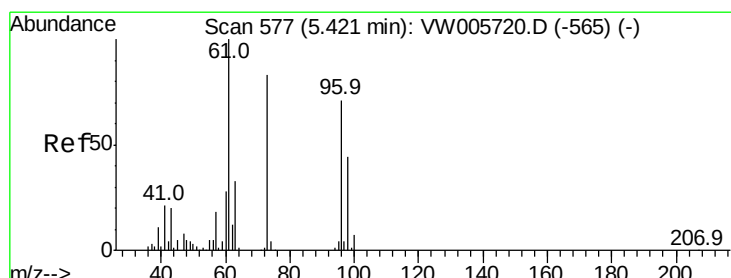
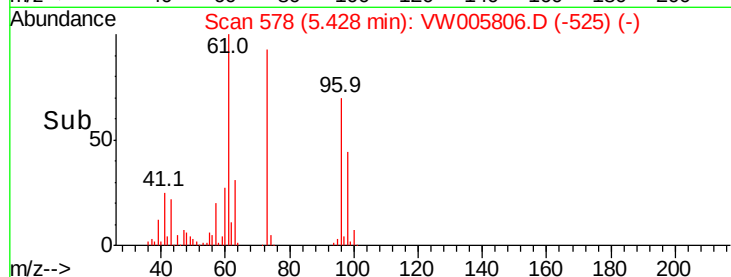
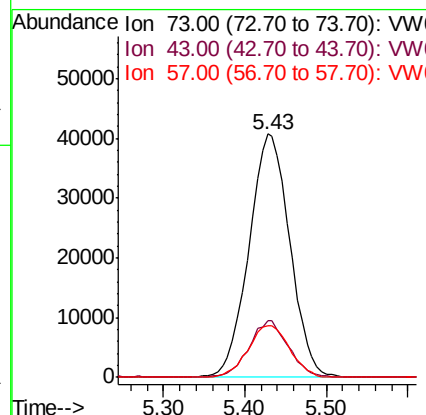
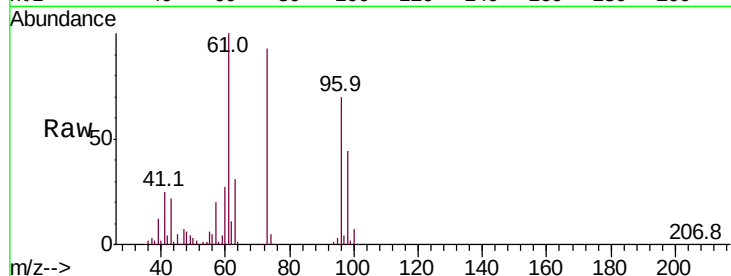
Lab File: VW005806.D

Acq: 03 Oct 2018 10:20

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 73 Resp: 141554

Ion	Ratio	Lower	Upper
73	100		
43	22.5	18.2	27.4
57	21.8	17.5	26.3



#18

trans-1,2-Dichloroethene

Concen: 24.712 ug/L

RT: 5.42 min Scan# 577

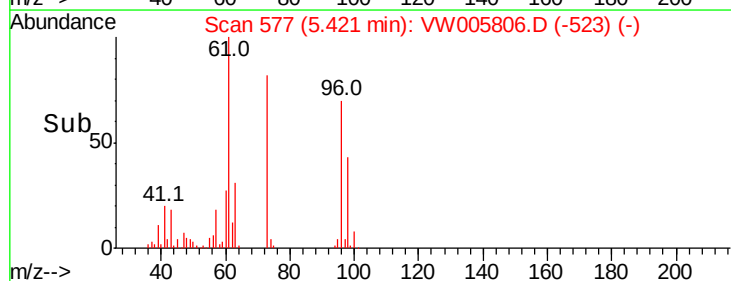
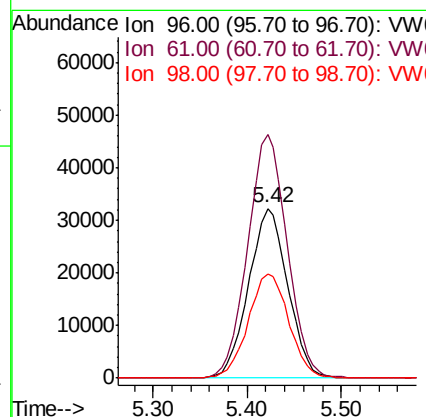
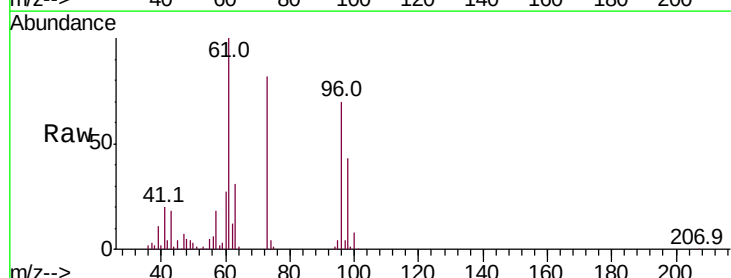
Delta R.T. 0.00 min

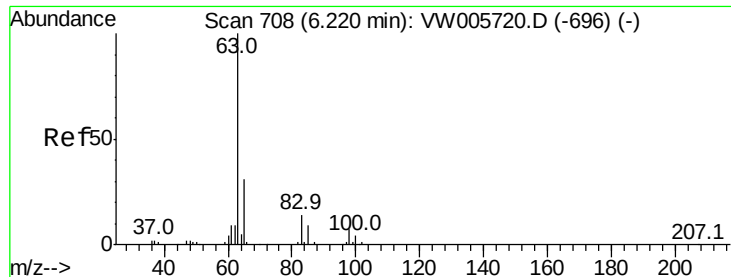
Lab File: VW005806.D

Acq: 03 Oct 2018 10:20

Tgt Ion: 96 Resp: 94201

Ion	Ratio	Lower	Upper
96	100		
61	143.2	98.6	183.2
98	61.0	43.7	81.1





#19

1,1-Dichloroethane

Concen: 25.523 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW005806.D

Acq: 03 Oct 2018 10:20

Instrument :

MSVOA_W

ClientSampleId :

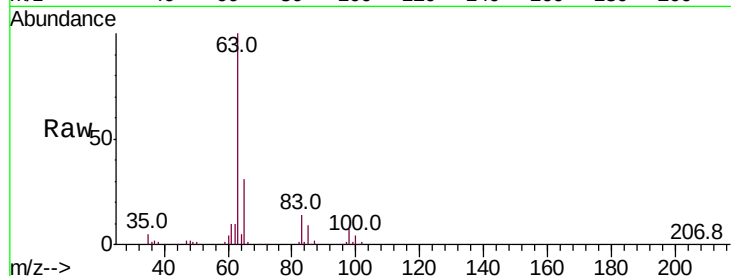
Tot Ion: 63 Resp: 180034

Ion Ratio Lower Upper

63 100

65 31.2 21.8 40.4

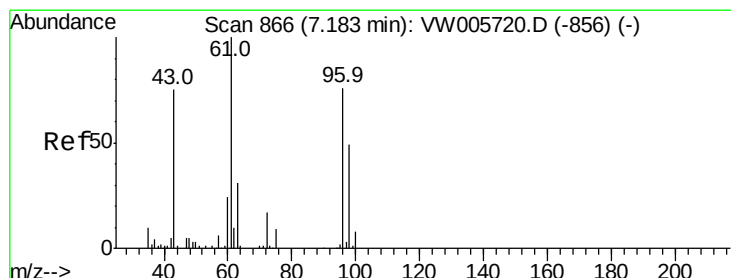
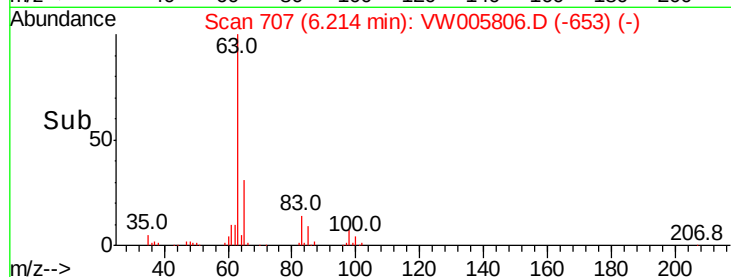
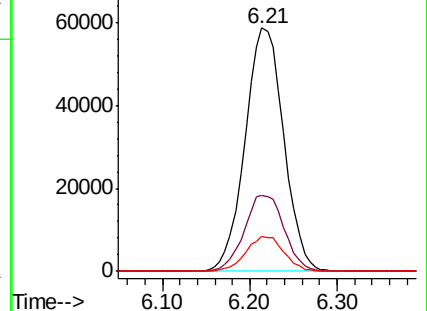
83 14.1 9.7 18.1



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 65.00 (64.70 to 65.70): VW

Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 42.917 ug/L

RT: 7.19 min Scan# 867

Delta R.T. 0.01 min

Lab File: VW005806.D

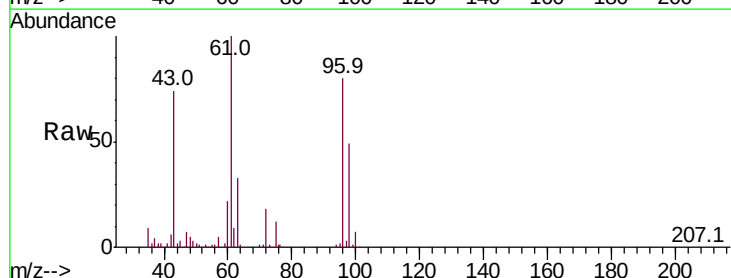
Acq: 03 Oct 2018 10:20

Tgt Ion: 43 Resp: 62531

Ion Ratio Lower Upper

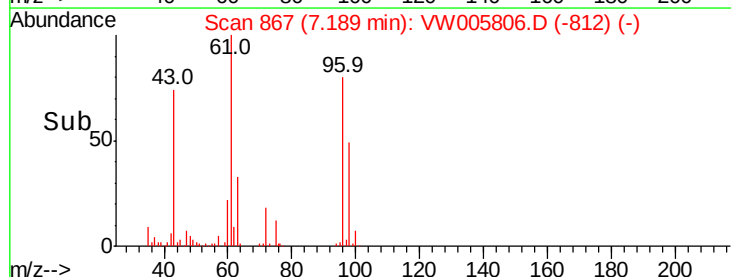
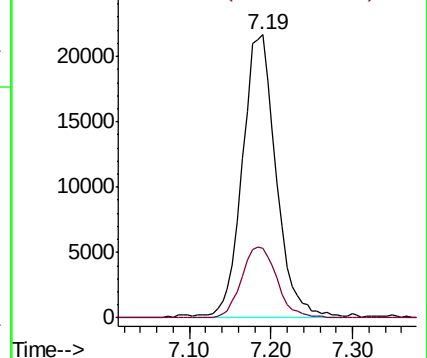
43 100

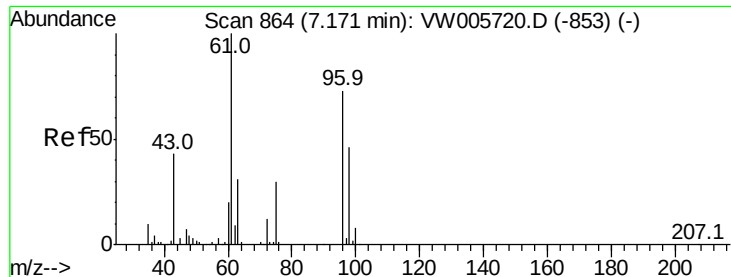
72 26.3 13.2 39.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#22

cis-1,2-Dichloroethene

Concen: 25.305 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW005806.D

Acq: 03 Oct 2018 10:20

Instrument :
MSVOA_W
ClientSampled :

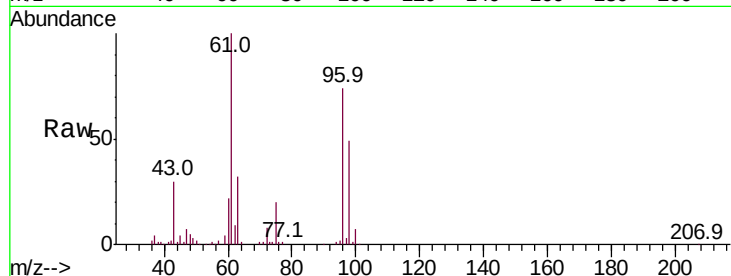
Tot Ion: 96 Resp: 104856

Ion Ratio Lower Upper

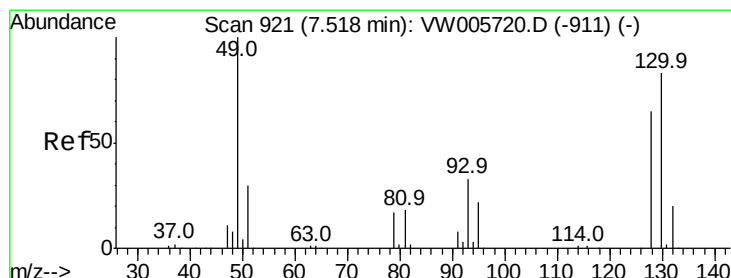
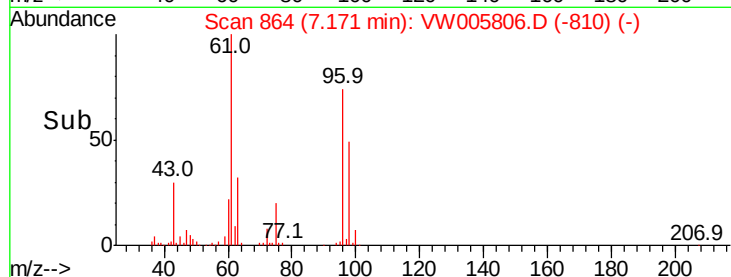
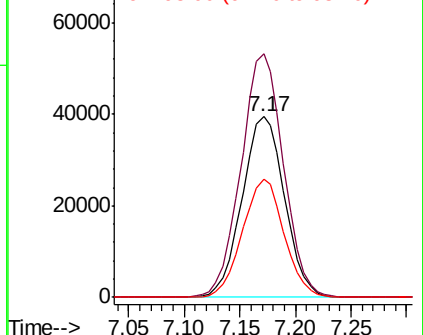
96 100

61 134.8 95.7 177.7

98 65.6 44.1 81.9



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



#23

Bromochloromethane

Concen: 25.509 ug/L

RT: 7.52 min Scan# 921

Delta R.T. 0.00 min

Lab File: VW005806.D

Acq: 03 Oct 2018 10:20

Tgt Ion: 128 Resp: 49057

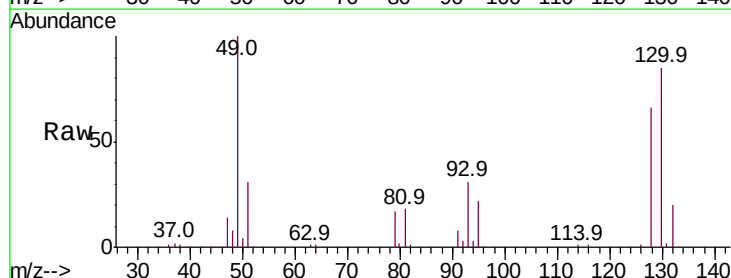
Ion Ratio Lower Upper

128 100

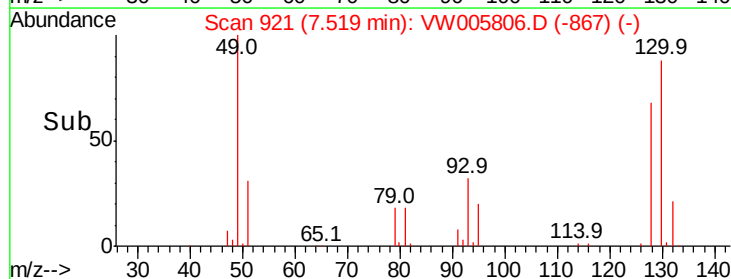
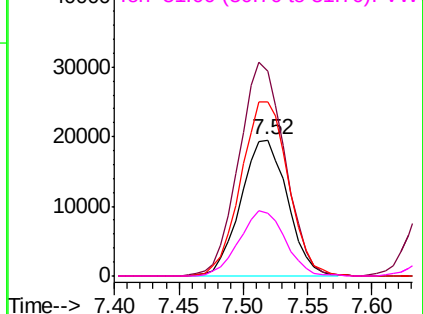
49 151.1 108.1 200.7

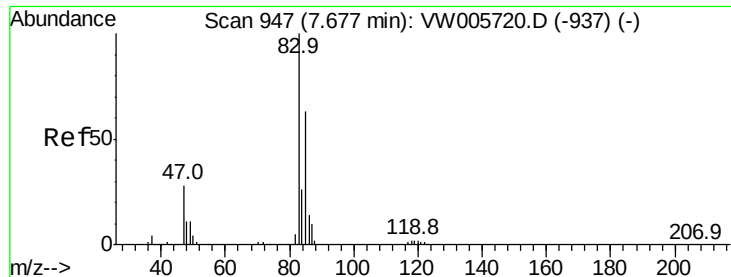
130 128.7 89.3 165.9

51 46.6 37.0 55.4



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VW
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VW





#25

Chloroform

Concen: 26.160 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW005806.D

Acq: 03 Oct 2018 10:20

Instrument :

MSVOA_W

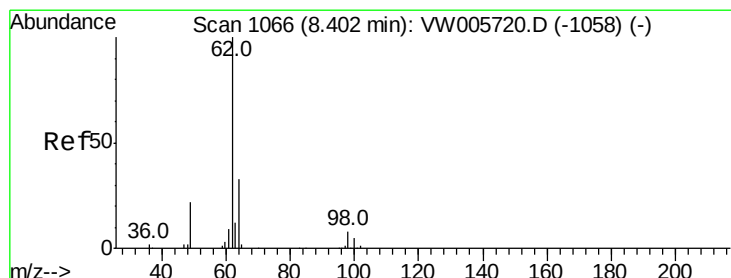
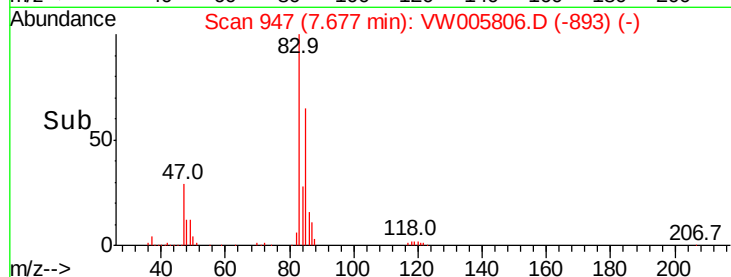
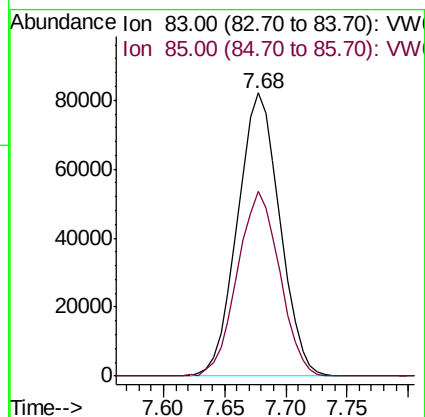
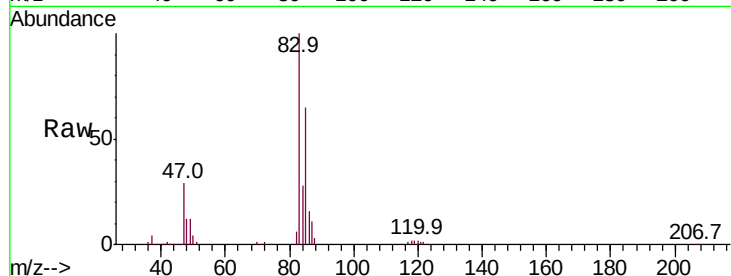
ClientSampleId :

Tot Ion: 83 Resp: 197433

Ion Ratio Lower Upper

83 100

85 65.3 46.0 85.4



#27

1,2-Dichloroethane

Concen: 25.501 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW005806.D

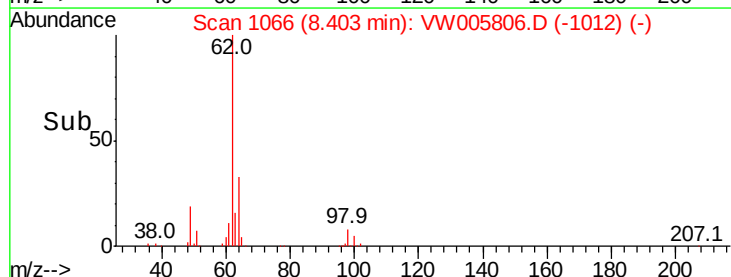
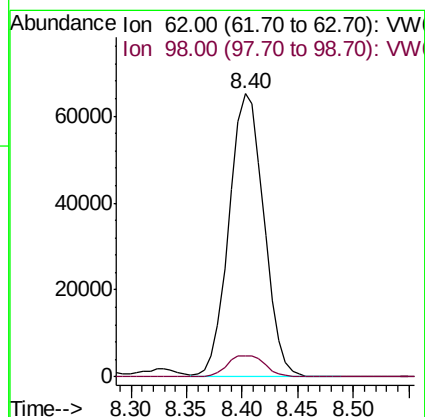
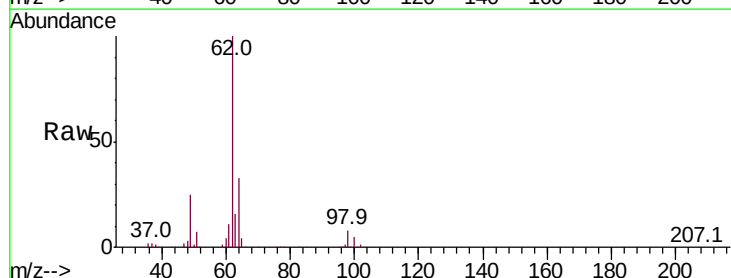
Acq: 03 Oct 2018 10:20

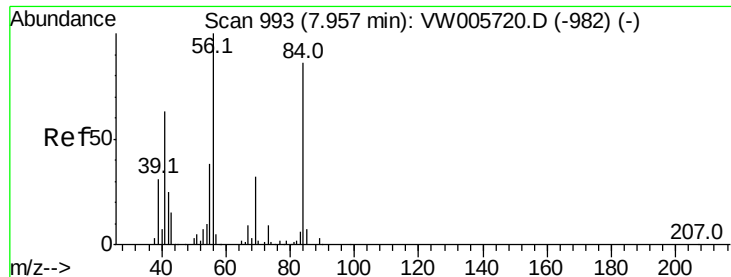
Tgt Ion: 62 Resp: 141699

Ion Ratio Lower Upper

62 100

98 7.5 6.2 9.2





#30

Cyclohexane

Concen: 24.731 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW005806.D

Acq: 03 Oct 2018 10:20

Instrument :
MSVOA_W
ClientSampleId :

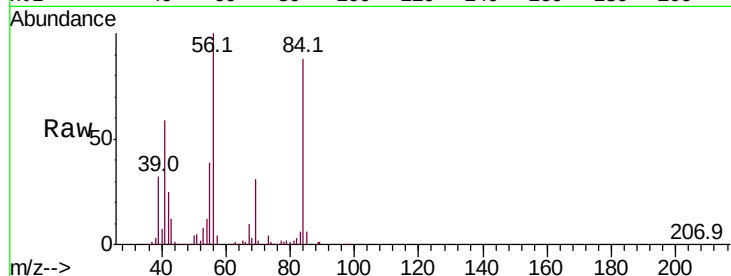
Tot Ion: 56 Resp: 156968

Ion Ratio Lower Upper

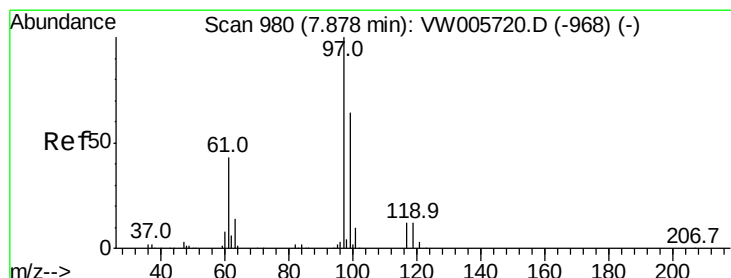
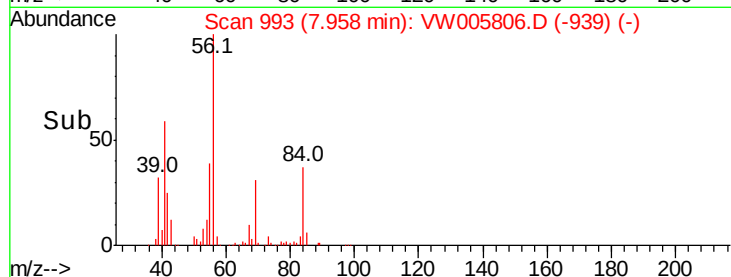
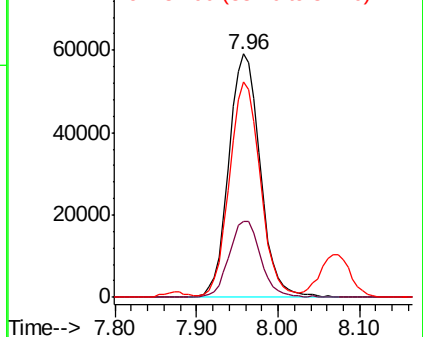
56 100

69 31.1 25.0 37.6

84 87.3 70.2 105.2



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



#31

1,1,1-Trichloroethane

Concen: 25.326 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW005806.D

Acq: 03 Oct 2018 10:20

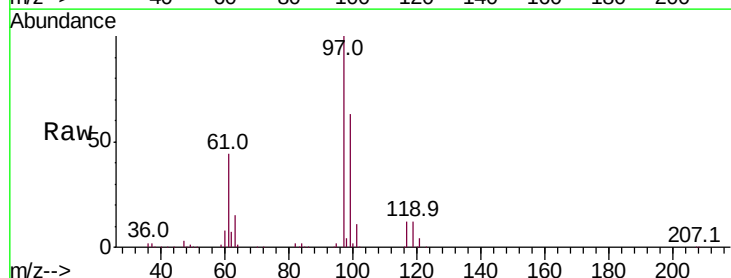
Tgt Ion: 97 Resp: 173676

Ion Ratio Lower Upper

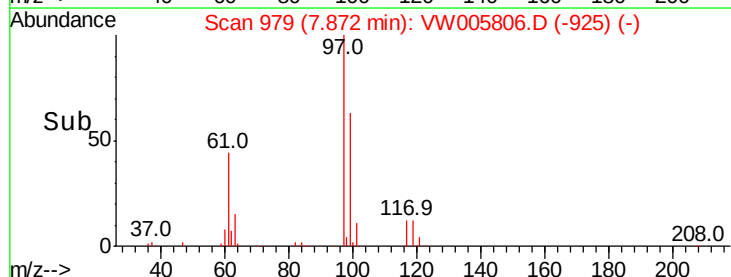
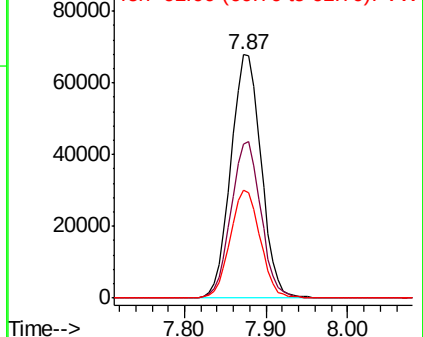
97 100

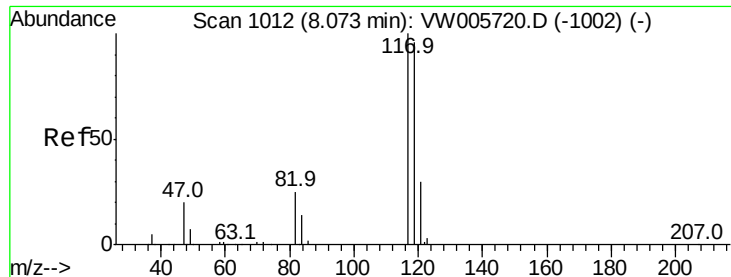
99 63.6 51.8 77.8

61 44.0 35.4 53.2



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 25.446 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW005806.D

Acq: 03 Oct 2018 10:20

Instrument :

MSVOA_W

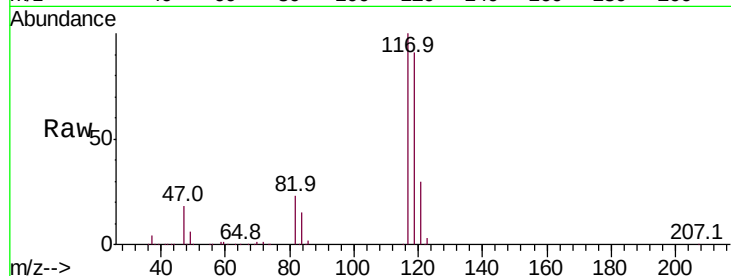
ClientSampleId :

Tot Ion:117 Resp: 169925

Ion Ratio Lower Upper

117 100

119 95.1 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

60000

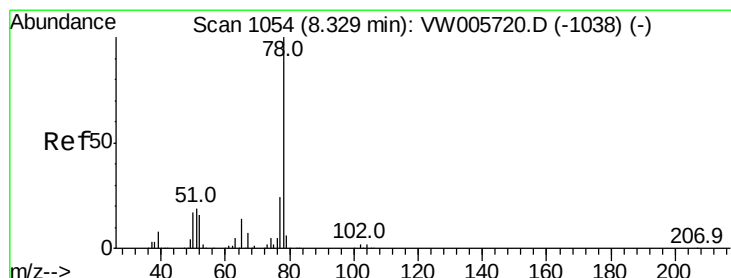
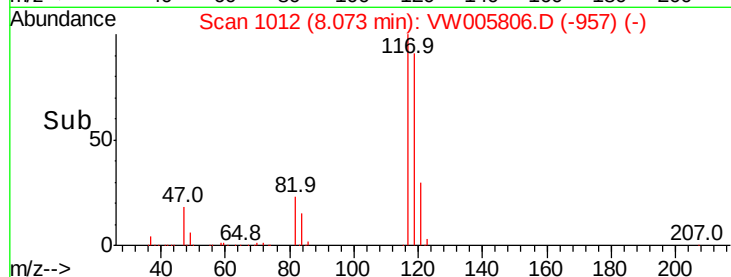
40000

20000

0

8.00 8.10 8.20

Time-->



#34

Benzene

Concen: 25.927 ug/L

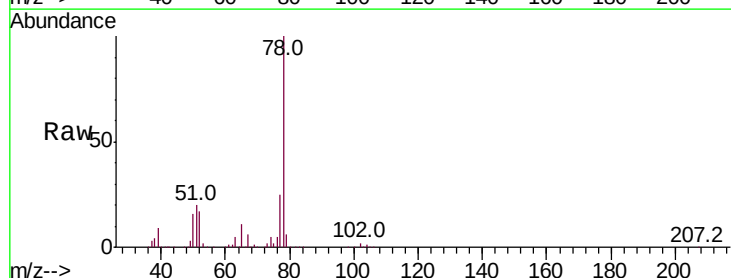
RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VW005806.D

Acq: 03 Oct 2018 10:20

Tgt Ion: 78 Resp: 410241



Abundance Ion 78.00 (77.70 to 78.70): VW

200000

150000

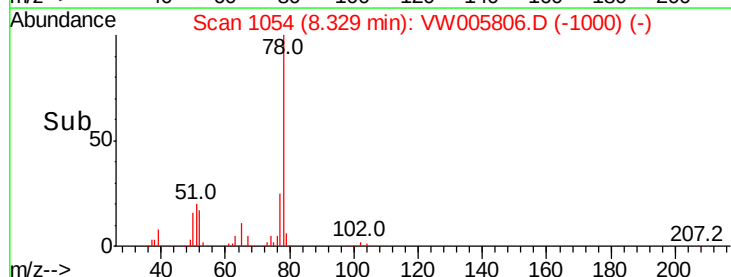
100000

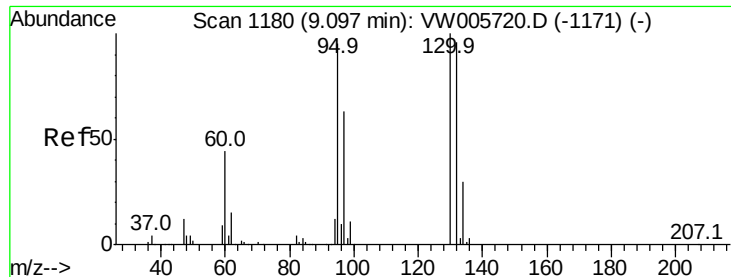
50000

0

8.20 8.30 8.40

Time-->





#35

Trichloroethene

Concen: 24.870 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW005806.D

Acq: 03 Oct 2018 10:20

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 95 Resp: 105275

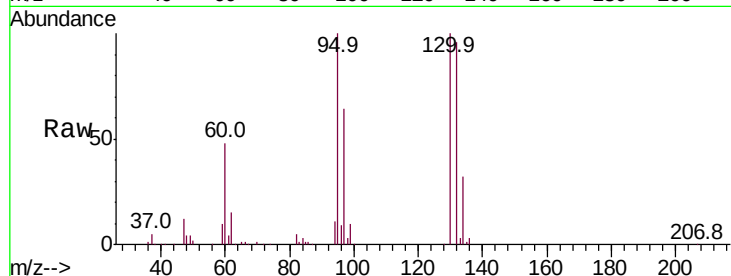
Ion Ratio Lower Upper

95 100

97 64.6 45.2 84.0

132 97.8 68.0 126.4

130 102.5 71.3 132.5

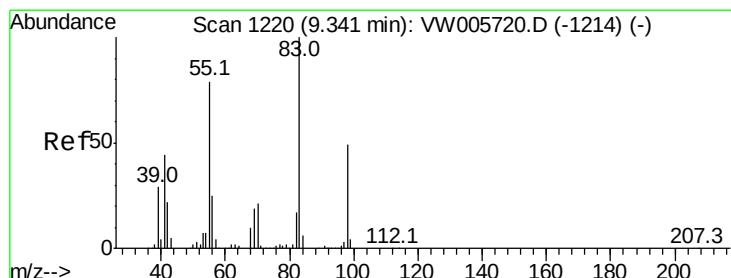
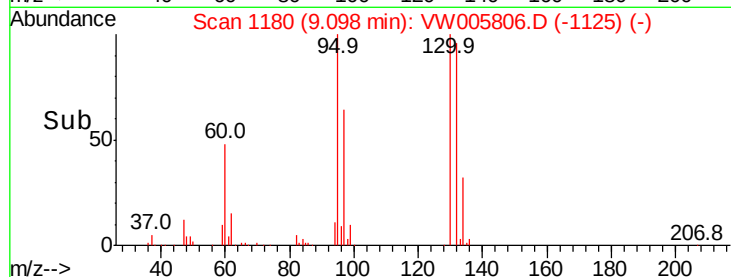
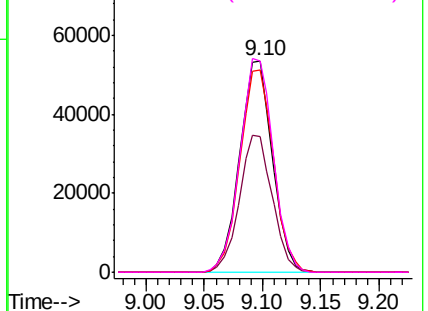


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 25.218 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VW005806.D

Acq: 03 Oct 2018 10:20

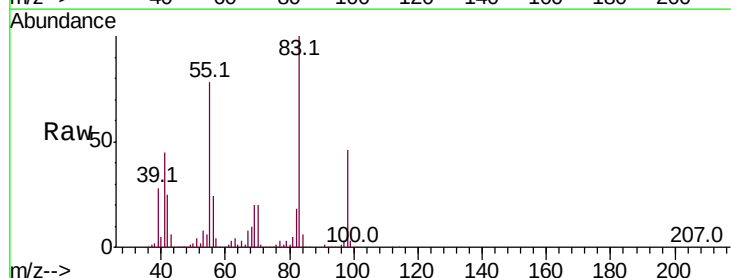
Tgt Ion: 83 Resp: 185626

Ion Ratio Lower Upper

83 100

55 78.9 62.5 93.7

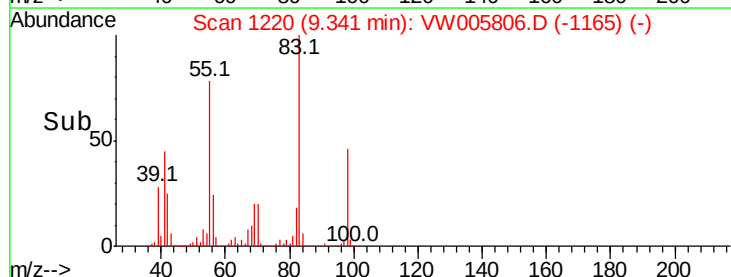
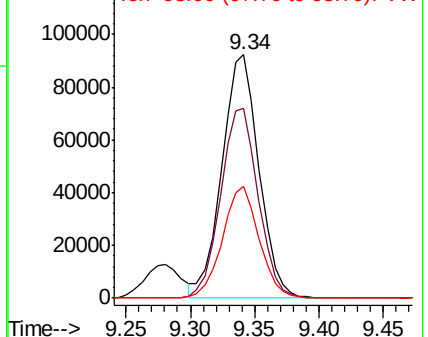
98 45.6 37.7 56.5

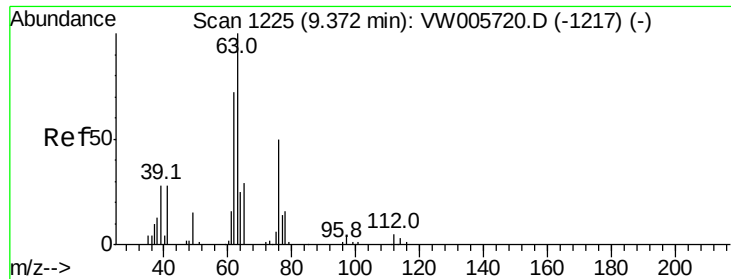


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

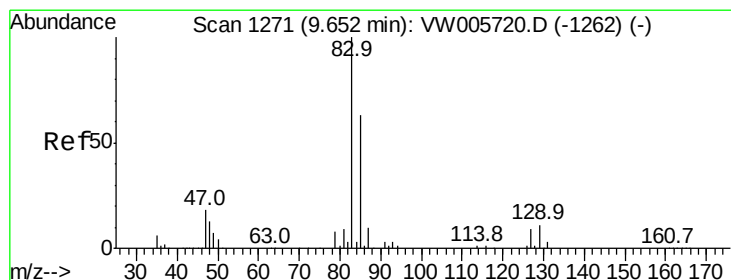
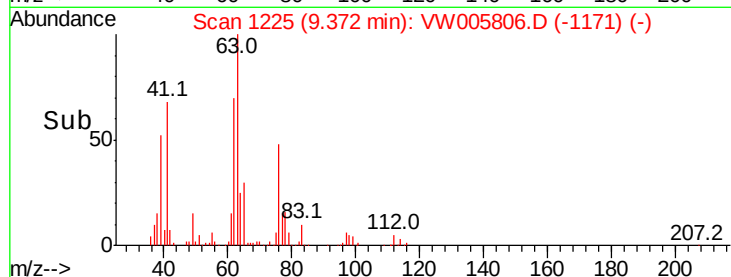
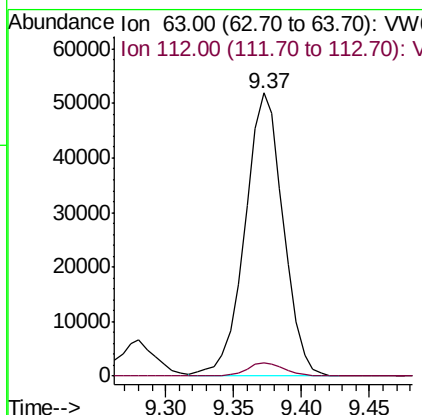
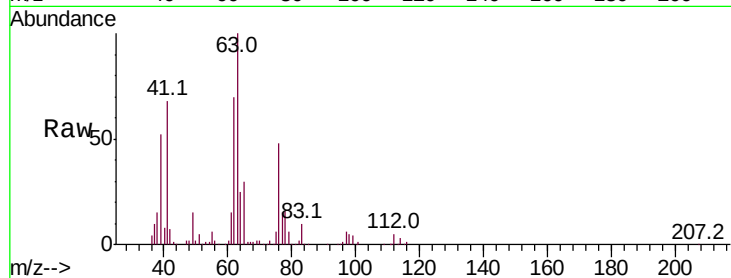




#40
 1,2-Dichloropropane
 Concen: 26.569 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW005806.D
 Acq: 03 Oct 2018 10:20

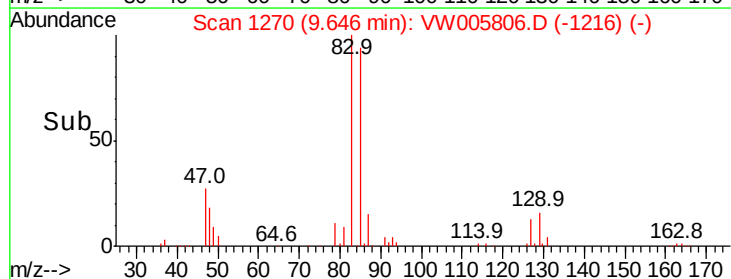
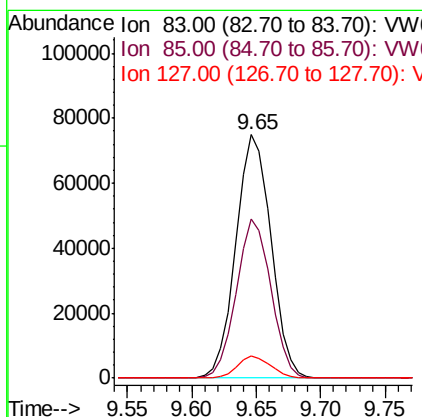
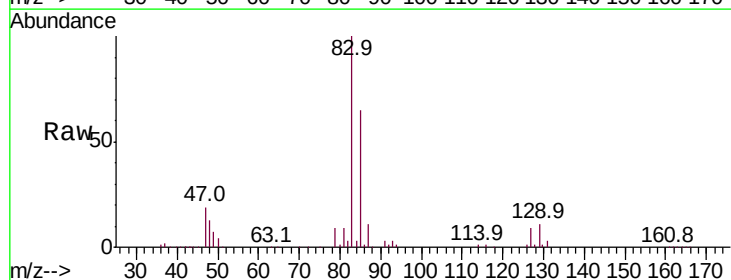
Instrument :
 MSVOA_W
 ClientSampleId :

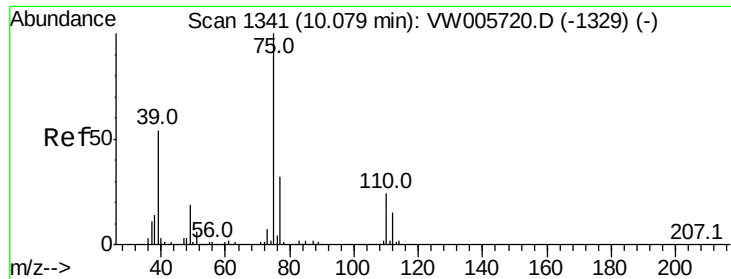
Tot Ion: 63 Resp: 102450
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.4 5.2



#41
 Bromodichloromethane
 Concen: 26.137 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW005806.D
 Acq: 03 Oct 2018 10:20

Tgt Ion: 83 Resp: 141700
 Ion Ratio Lower Upper
 83 100
 85 65.3 44.1 81.9
 127 9.0 7.5 11.3





#42

cis-1,3-Dichloropropene

Concen: 25.003 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VW005806.D

Acq: 03 Oct 2018 10:20

Instrument :

MSVOA_W

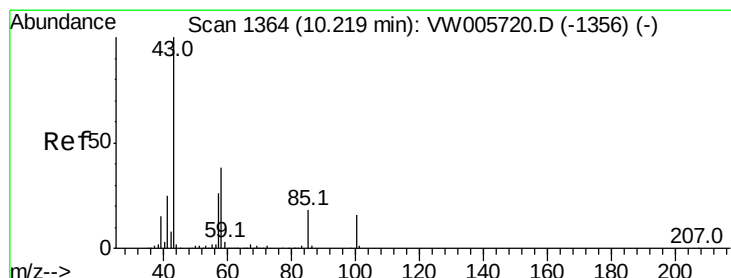
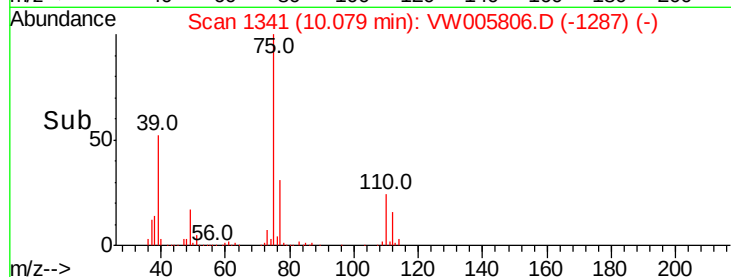
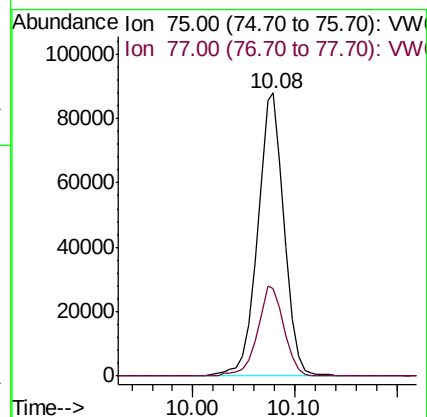
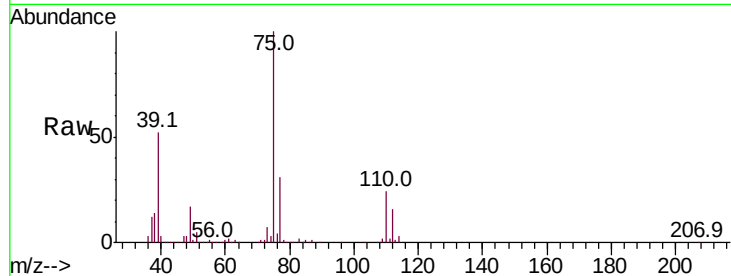
ClientSampled :

Tot Ion: 75 Resp: 159218

Ion Ratio Lower Upper

75 100

77 31.1 22.3 41.3



#43

4-Methyl-2-pentanone

Concen: 42.556 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW005806.D

Acq: 03 Oct 2018 10:20

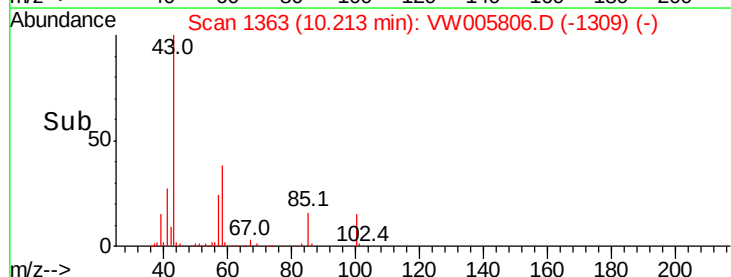
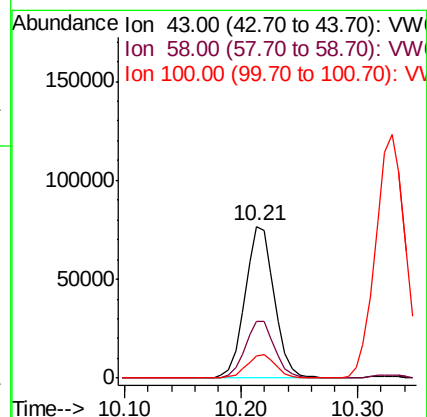
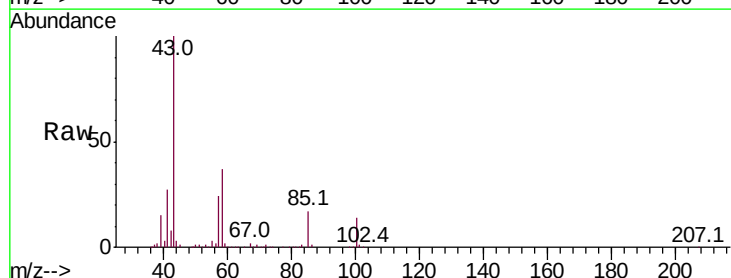
Tgt Ion: 43 Resp: 133914

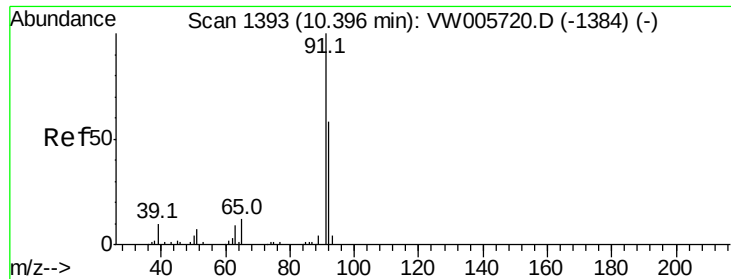
Ion Ratio Lower Upper

43 100

58 37.6 29.8 44.8

100 15.5 12.2 18.4





#44

Toluene

Concen: 25.188 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW005806.D

Acq: 03 Oct 2018 10:20

Instrument :

MSVOA_W

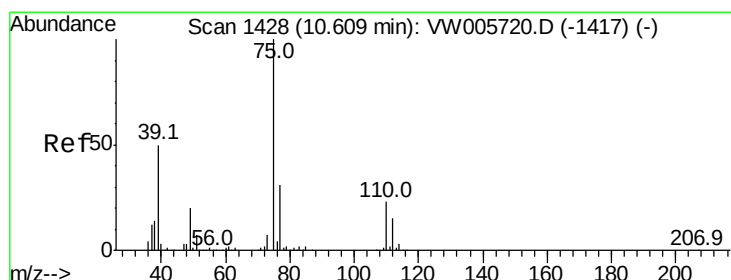
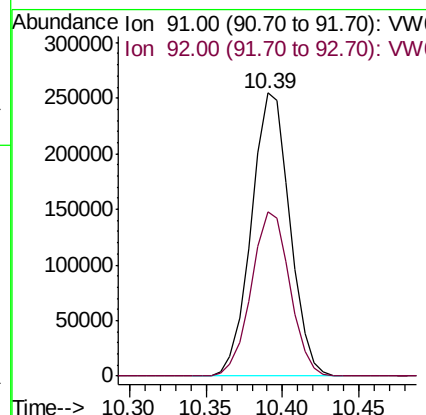
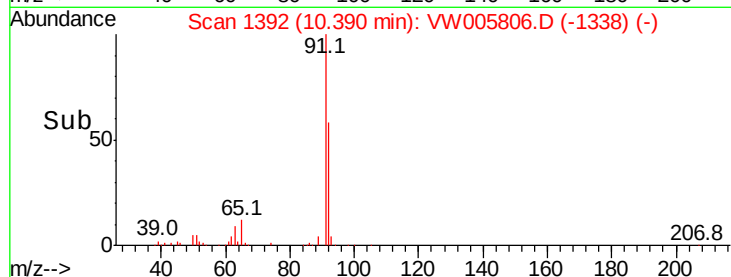
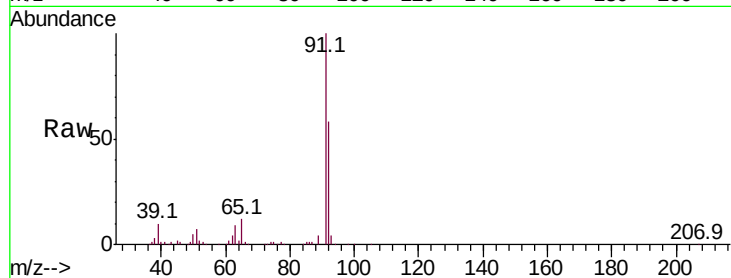
ClientSampleId :

Tot Ion: 91 Resp: 445364

Ion Ratio Lower Upper

91 100

92 57.9 40.7 75.5



#45

trans-1,3-Dichloropropene

Concen: 24.951 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW005806.D

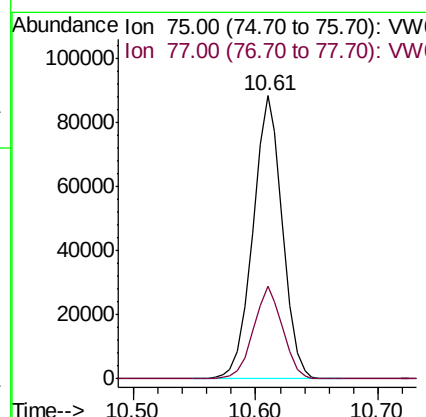
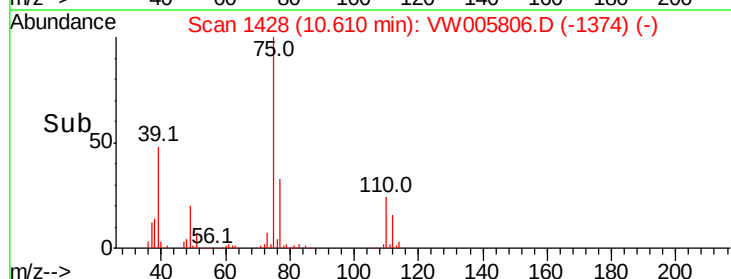
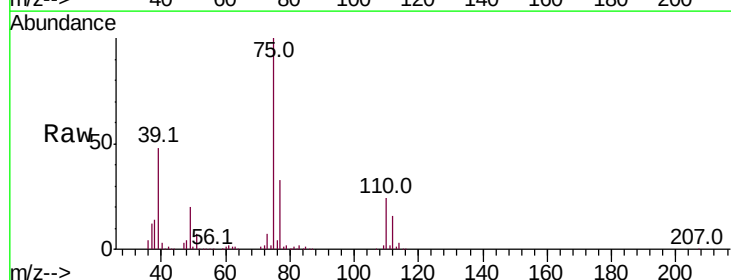
Acq: 03 Oct 2018 10:20

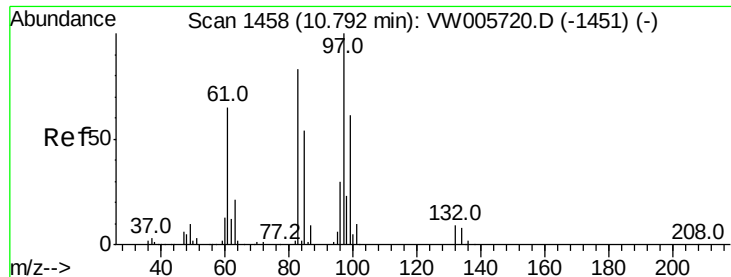
Tgt Ion: 75 Resp: 147945

Ion Ratio Lower Upper

75 100

77 32.9 22.1 41.1





#46

1,1,2-Trichloroethane

Concen: 24.717 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.00 min

Lab File: VW005806.D

Acq: 03 Oct 2018 10:20

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 79532

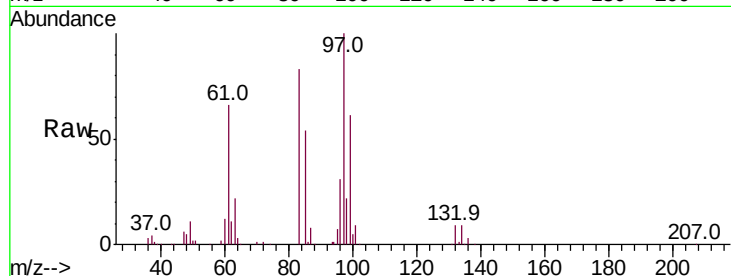
Ion Ratio Lower Upper

97 100

83 82.9 58.3 108.3

85 53.6 38.0 70.6

99 61.4 42.8 79.4

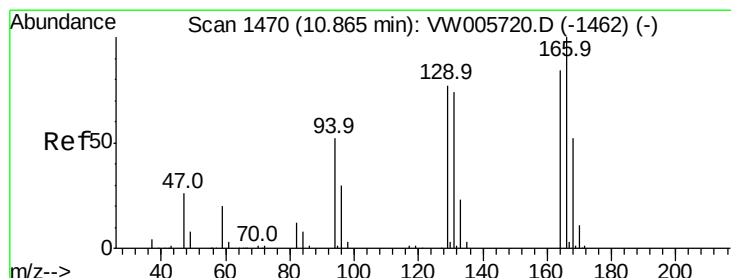
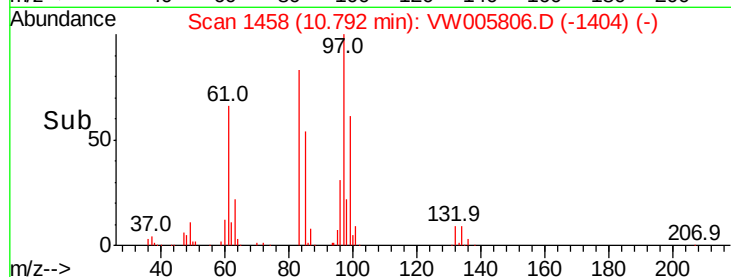
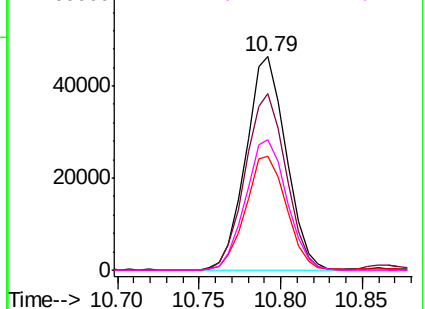


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 24.546 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW005806.D

Acq: 03 Oct 2018 10:20

Tgt Ion: 164 Resp: 91542

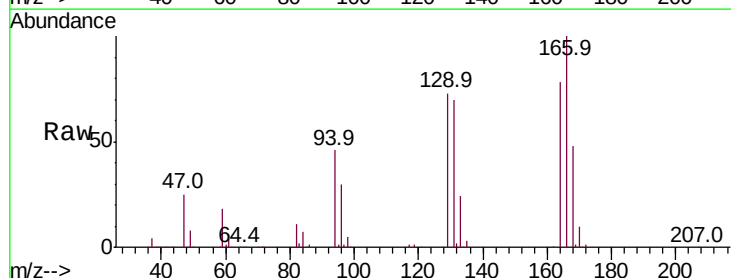
Ion Ratio Lower Upper

164 100

129 93.7 63.8 118.4

131 90.0 61.5 114.3

166 128.1 83.2 154.6

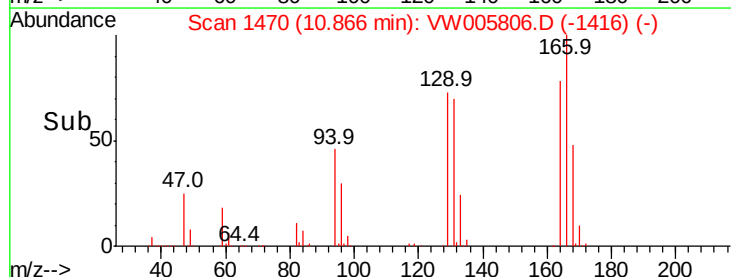
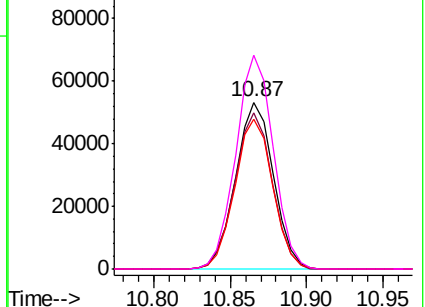


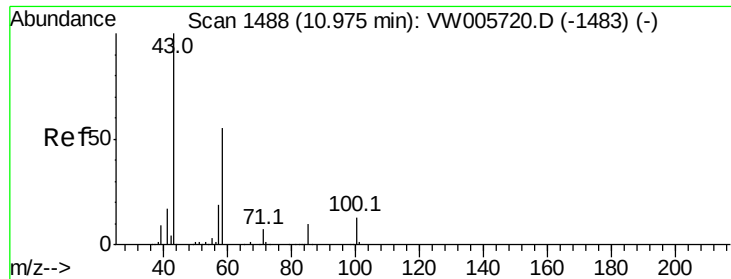
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 44.315 ug/L

RT: 10.98 min Scan# 1488

Delta R.T. 0.00 min

Lab File: VW005806.D

Acq: 03 Oct 2018 10:20

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 97886

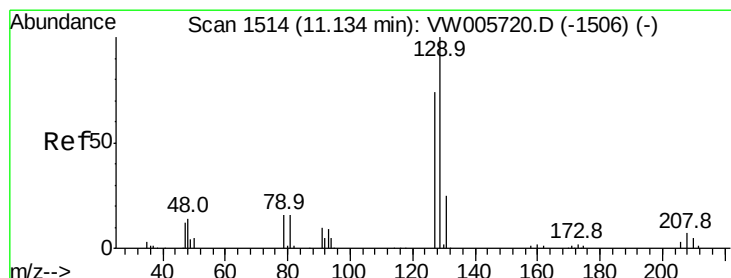
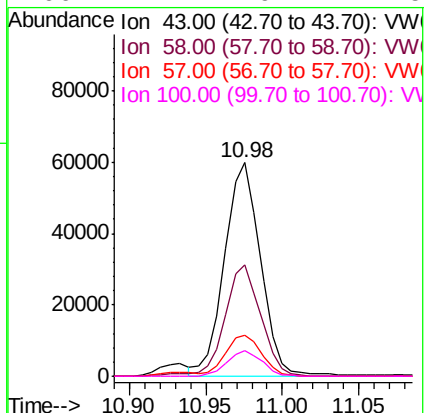
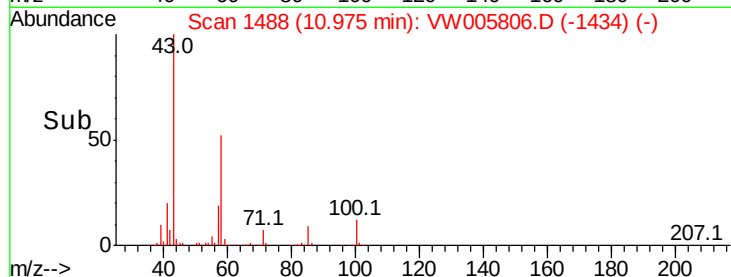
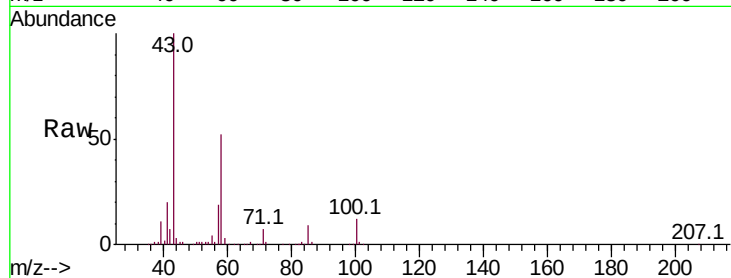
Ion Ratio Lower Upper

43 100

58 50.2 42.0 63.0

57 19.5 15.7 23.5

100 11.7 9.7 14.5



#50

Dibromochloromethane

Concen: 25.070 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VW005806.D

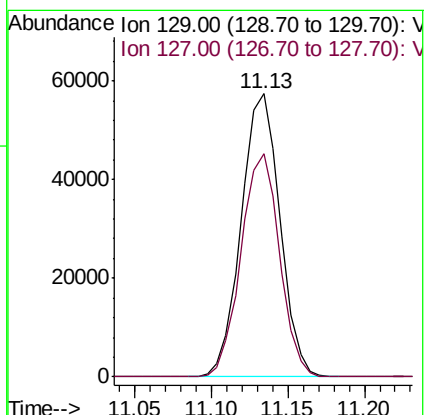
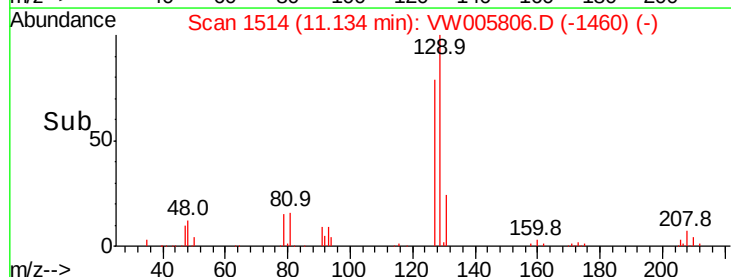
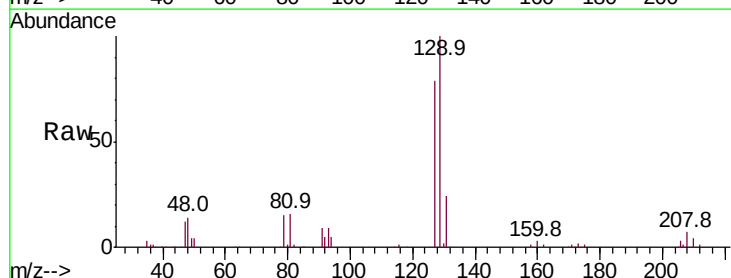
Acq: 03 Oct 2018 10:20

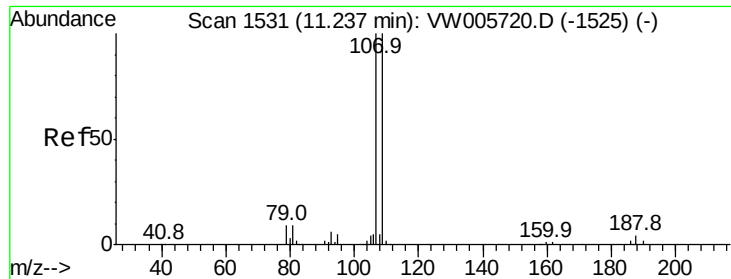
Tgt Ion: 129 Resp: 101170

Ion Ratio Lower Upper

129 100

127 78.8 51.7 95.9

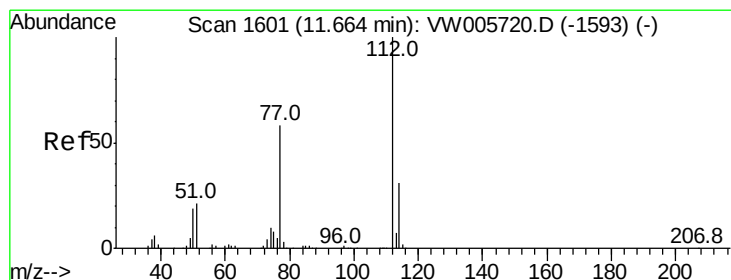
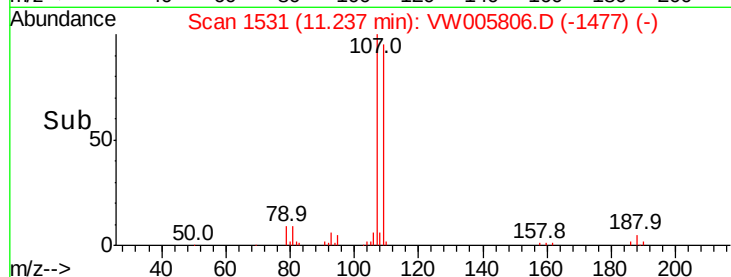
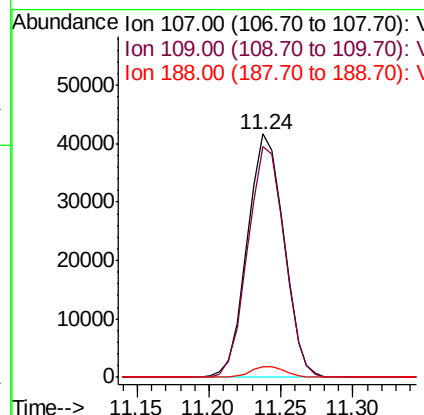
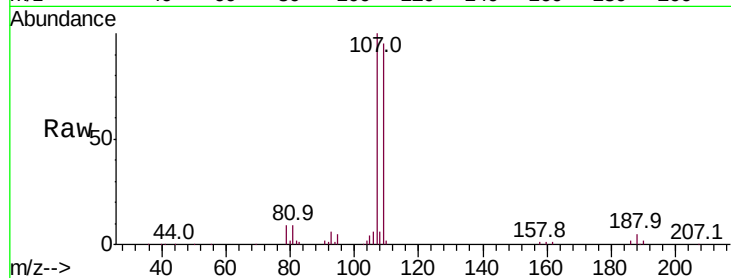




#51
 1,2-Dibromoethane
 Concen: 23.580 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW005806.D
 Acq: 03 Oct 2018 10:20

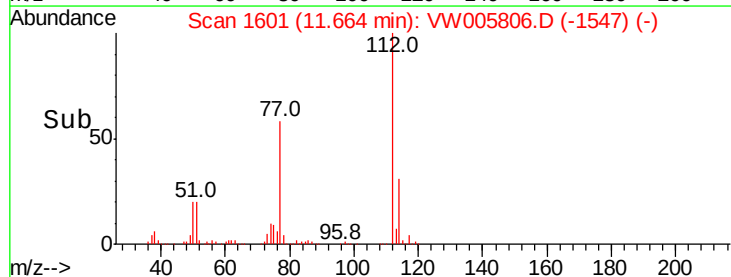
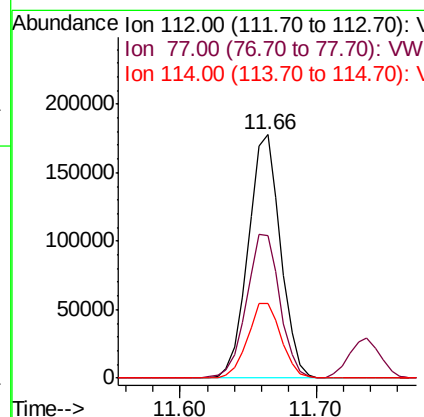
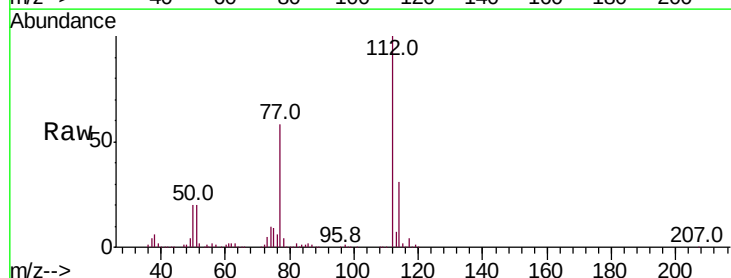
Instrument :
 MSVOA_W
 ClientSampled :

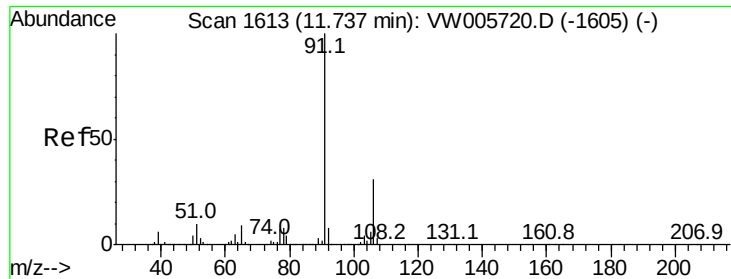
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	70.1	130.3
188	4.5	3.4	5.2



#52
 Chlorobenzene
 Concen: 25.441 ug/L
 RT: 11.66 min Scan# 1601
 Delta R.T. 0.00 min
 Lab File: VW005806.D
 Acq: 03 Oct 2018 10:20

Tgt Ion	Ratio	Lower	Upper
112	100		
77	58.4	46.7	70.1
114	30.9	21.8	40.6

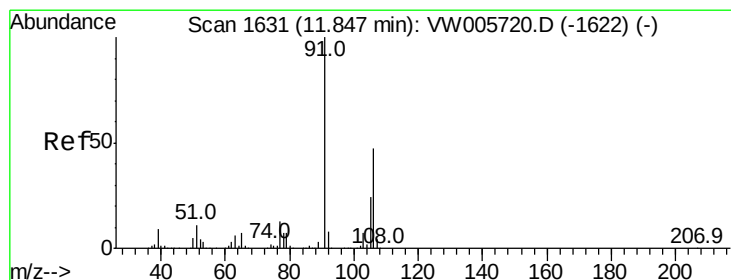
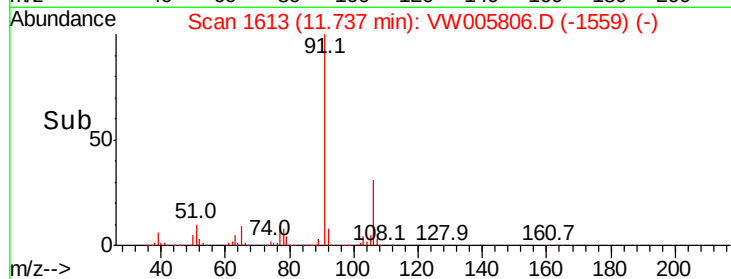
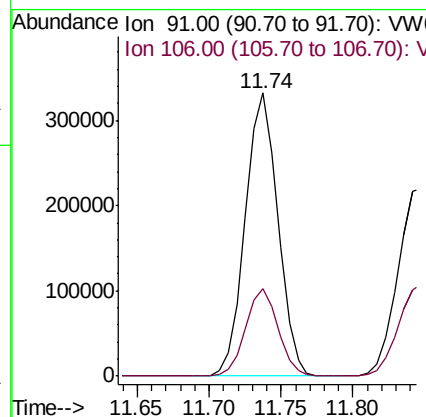
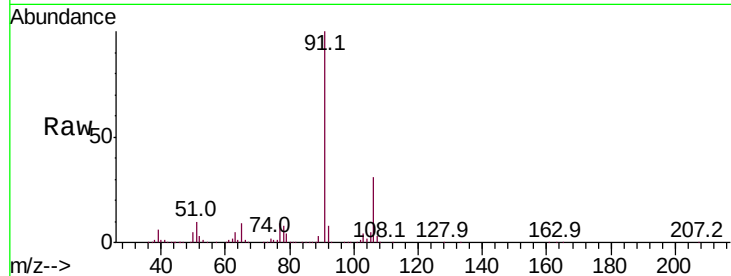




#53
Ethylbenzene
Concen: 25.770 ug/L
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW005806.D
Acq: 03 Oct 2018 10:20

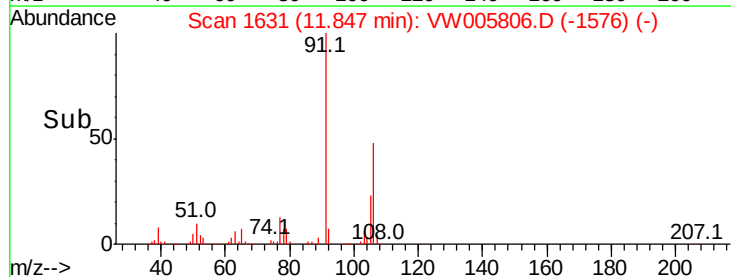
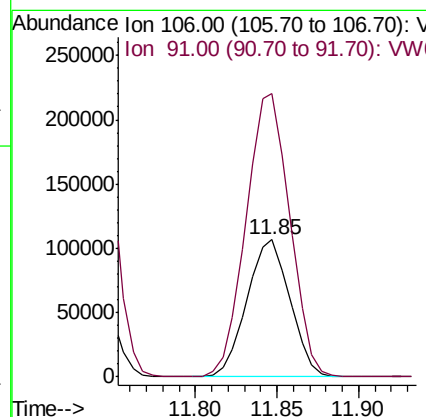
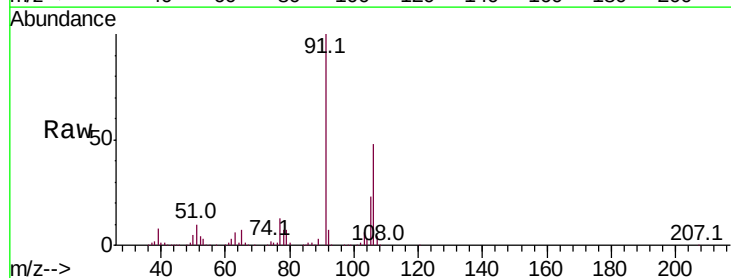
Instrument :
MSVOA_W
ClientSampleId :

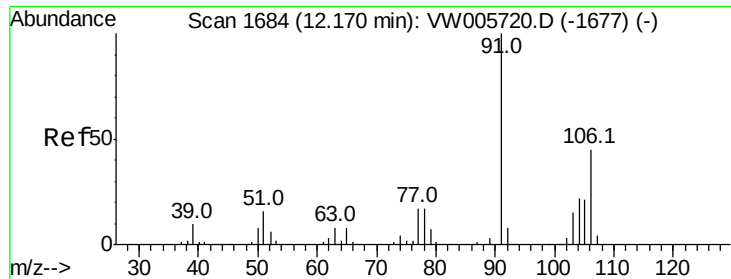
Tot Ion: 91 Resp: 521718
Ion Ratio Lower Upper
91 100
106 30.9 21.5 39.9



#54
m,p-Xylene
Concen: 25.775 ug/L
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW005806.D
Acq: 03 Oct 2018 10:20

Tgt Ion:106 Resp: 196597
Ion Ratio Lower Upper
106 100
91 206.3 147.7 274.3





#55

o-xylene

Concen: 26.174 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW005806.D

Acq: 03 Oct 2018 10:20

Instrument :

MSVOA_W

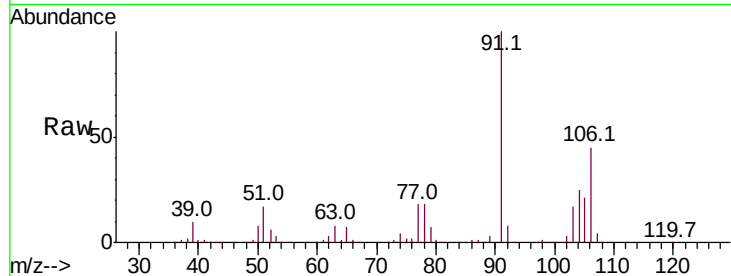
ClientSampled :

Tot Ion:106 Resp: 188165

Ion Ratio Lower Upper

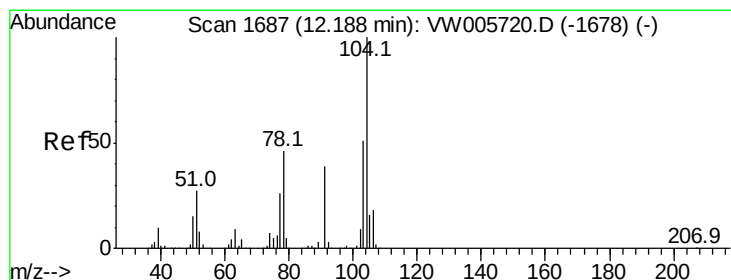
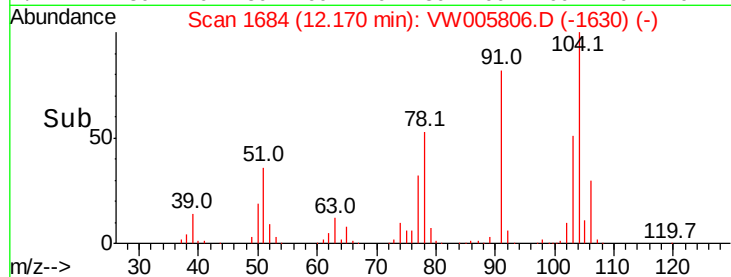
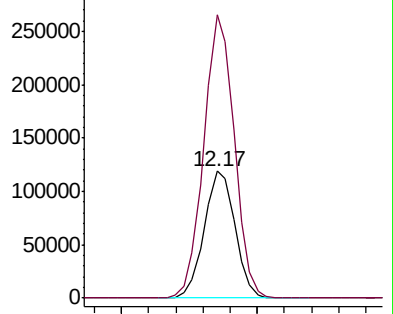
106 100

91 222.6 156.5 290.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 26.528 ug/L

RT: 12.19 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VW005806.D

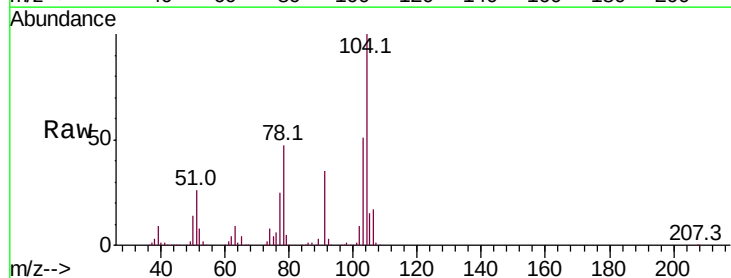
Acq: 03 Oct 2018 10:20

Tgt Ion:104 Resp: 334680

Ion Ratio Lower Upper

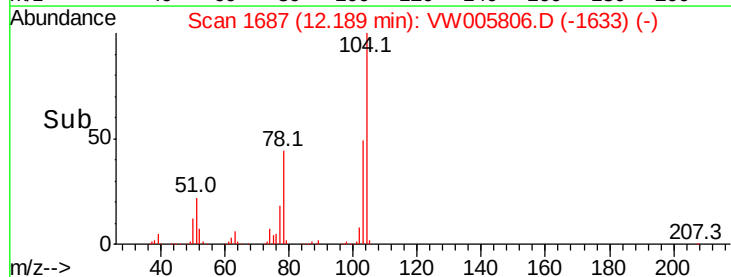
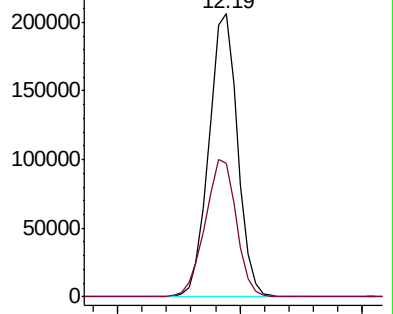
104 100

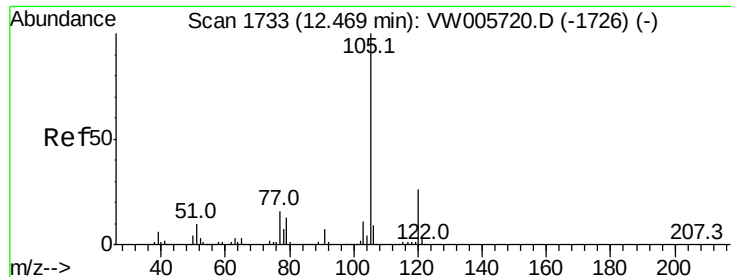
78 47.2 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 26.006 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW005806.D

Acq: 03 Oct 2018 10:20

Instrument :

MSVOA_W

ClientSampleId :

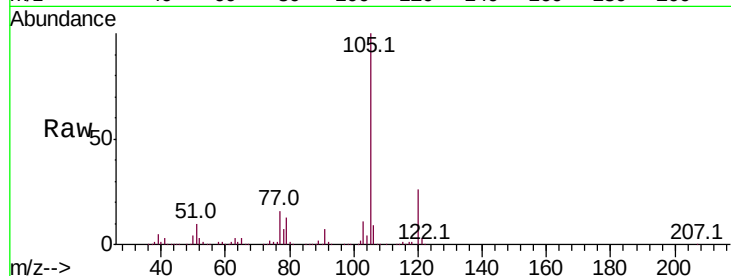
Tot Ion:105 Resp: 534011

Ion Ratio Lower Upper

105 100

120 26.1 20.7 31.1

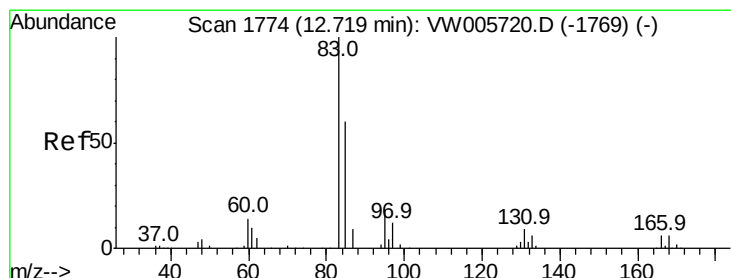
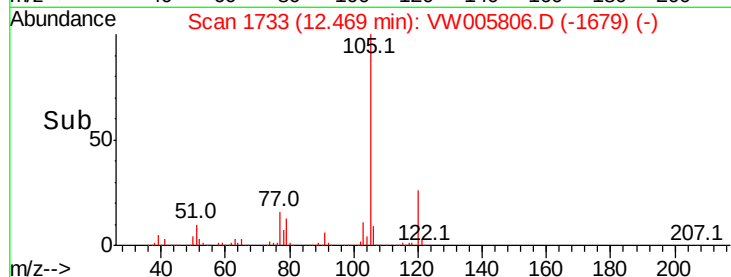
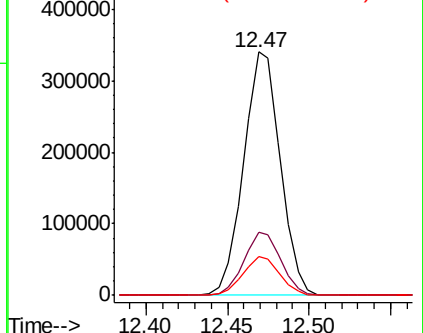
77 16.1 13.0 19.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 24.119 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW005806.D

Acq: 03 Oct 2018 10:20

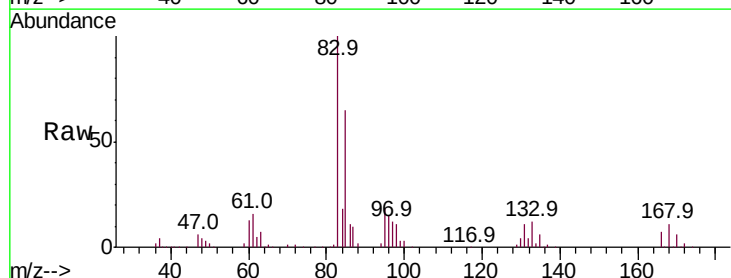
Tgt Ion: 83 Resp: 99003

Ion Ratio Lower Upper

83 100

85 65.1 43.0 80.0

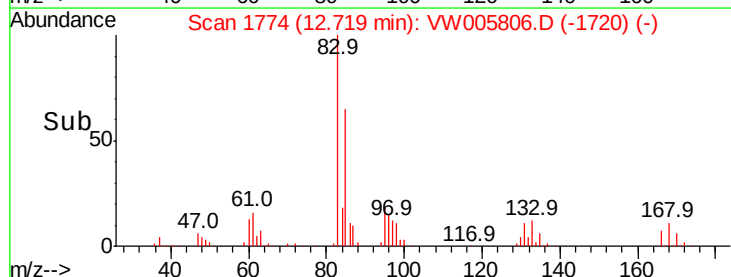
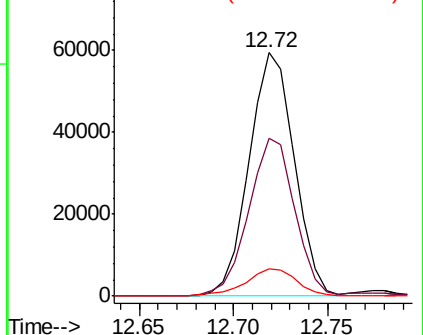
131 11.2 8.0 12.0

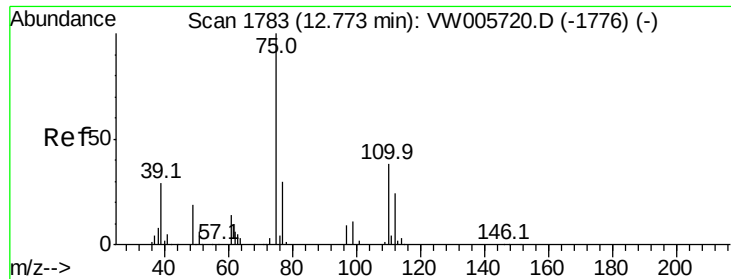


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 23.290 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW005806.D

Acq: 03 Oct 2018 10:20

Instrument :

MSVOA_W

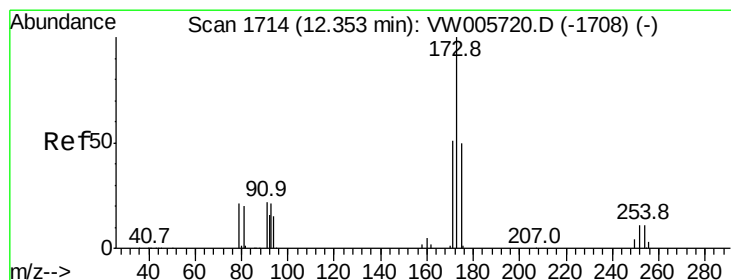
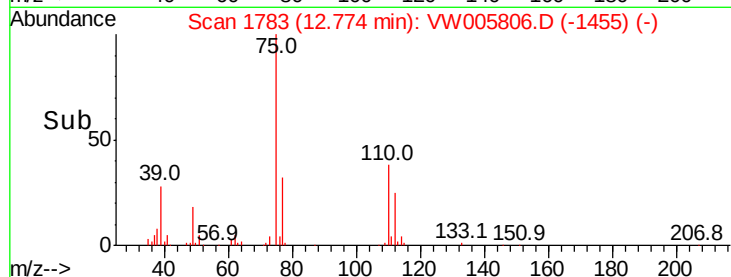
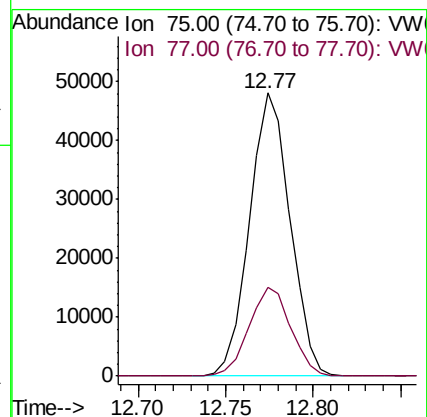
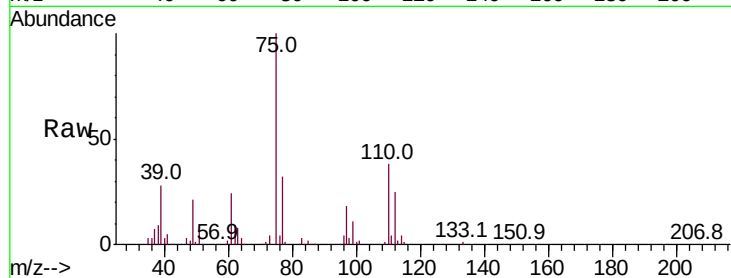
ClientSampled :

Tot Ion: 75 Resp: 77602

Ion Ratio Lower Upper

75 100

77 32.1 25.2 37.8



#62

Bromoform

Concen: 24.067 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW005806.D

Acq: 03 Oct 2018 10:20

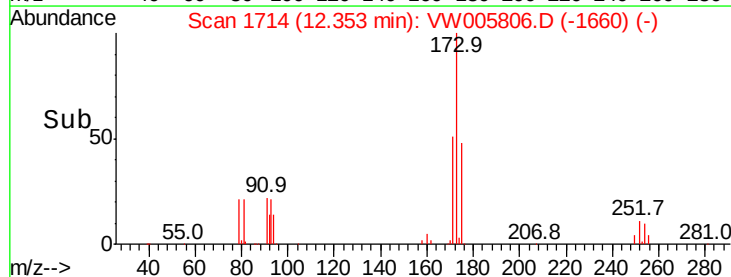
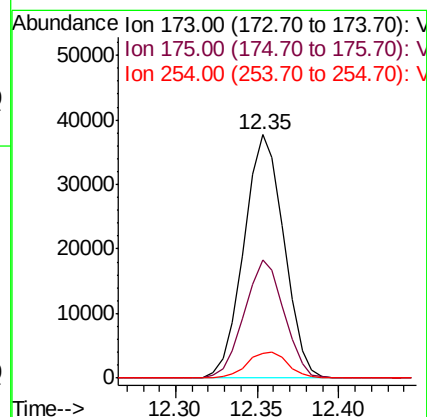
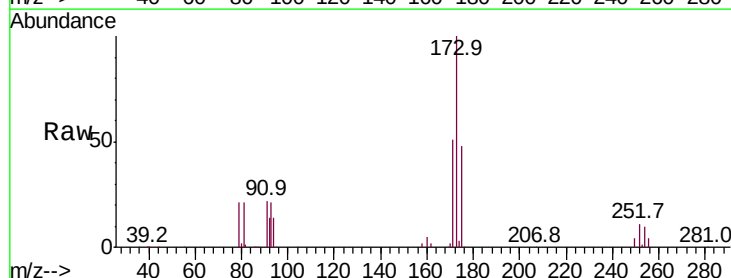
Tgt Ion:173 Resp: 64638

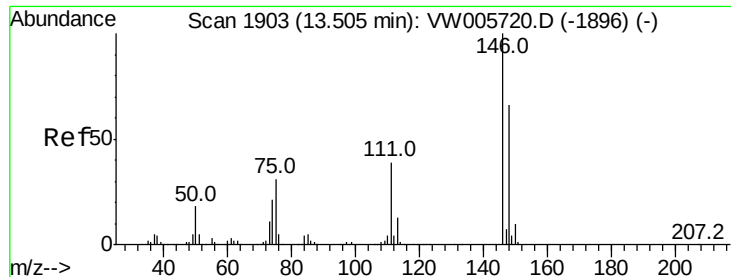
Ion Ratio Lower Upper

173 100

175 48.1 40.0 60.0

254 10.9 8.6 13.0

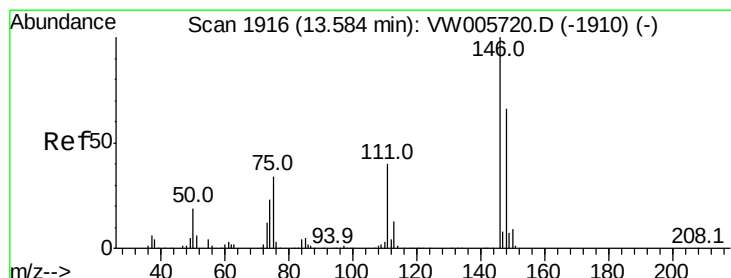
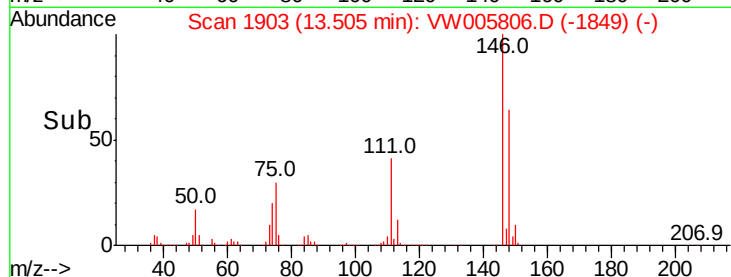
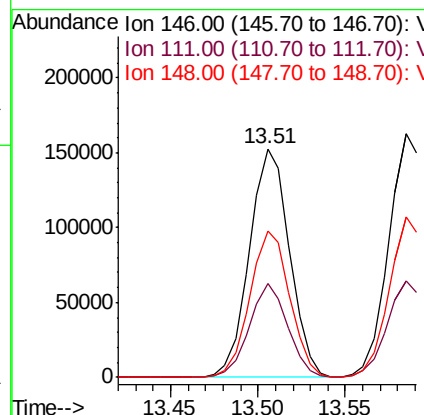
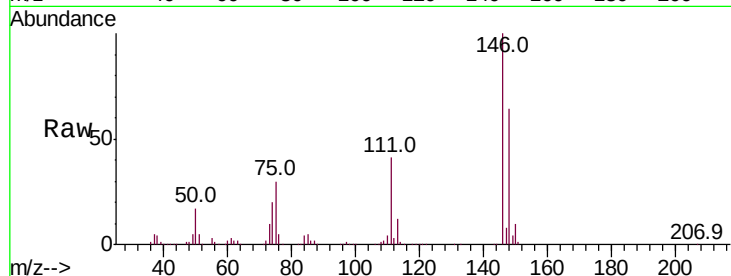




#63
 1,3-Dichlorobenzene
 Concen: 25.346 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW005806.D
 Acq: 03 Oct 2018 10:20

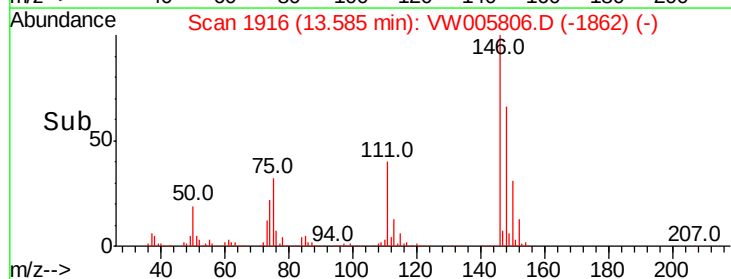
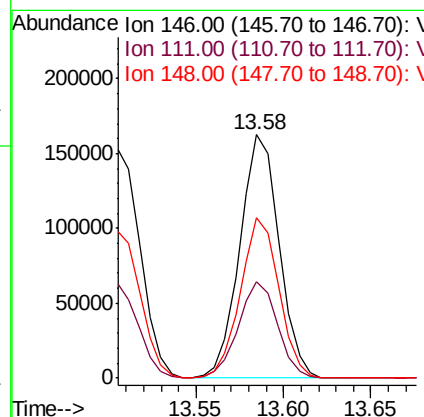
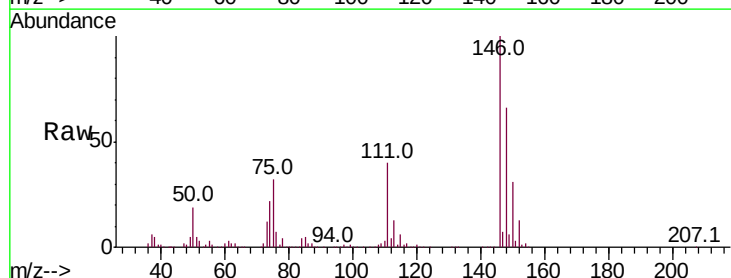
Instrument :
 MSVOA_W
 ClientSampleId :

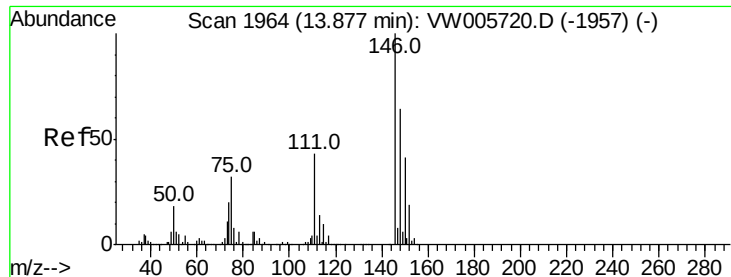
Tot Ion:146 Resp: 243160
 Ion Ratio Lower Upper
 146 100
 111 40.9 27.2 50.6
 148 64.2 46.2 85.8



#64
 1,4-Dichlorobenzene
 Concen: 25.315 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW005806.D
 Acq: 03 Oct 2018 10:20

Tgt Ion:146 Resp: 253627
 Ion Ratio Lower Upper
 146 100
 111 39.8 28.4 52.8
 148 66.0 46.3 86.1

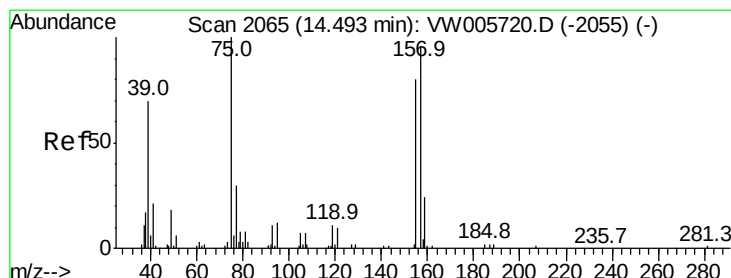
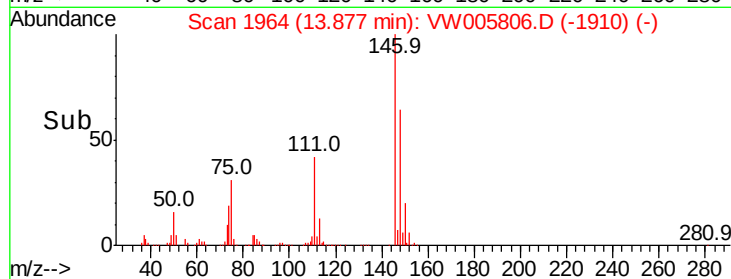
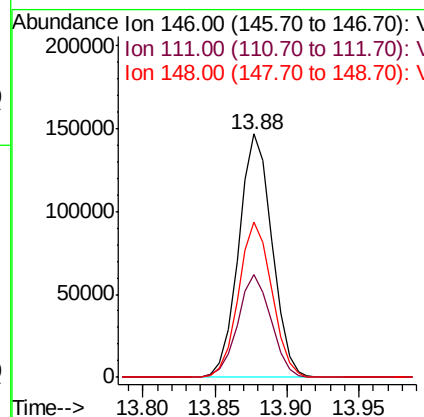
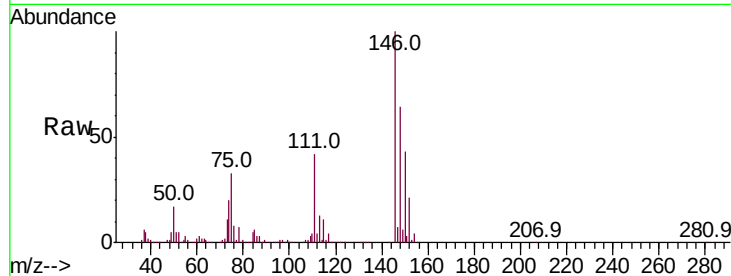




#65
 1,2-Dichlorobenzene
 Concen: 25.558 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW005806.D
 Acq: 03 Oct 2018 10:20

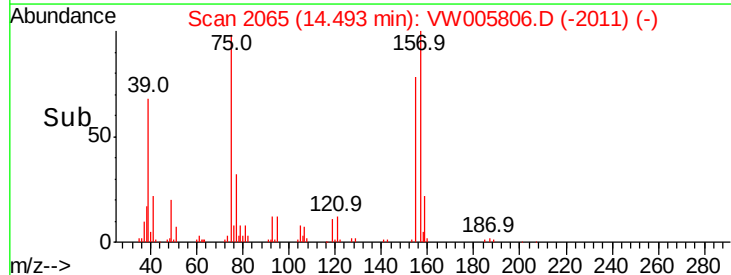
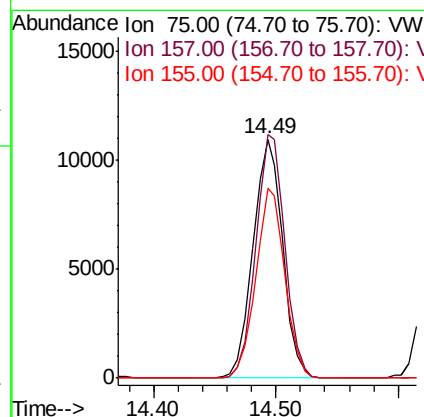
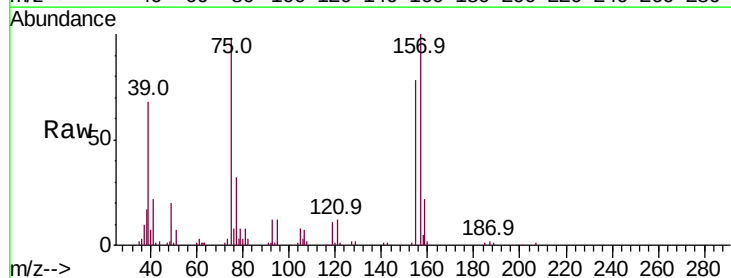
Instrument :
 MSVOA_W
 ClientSampleId :

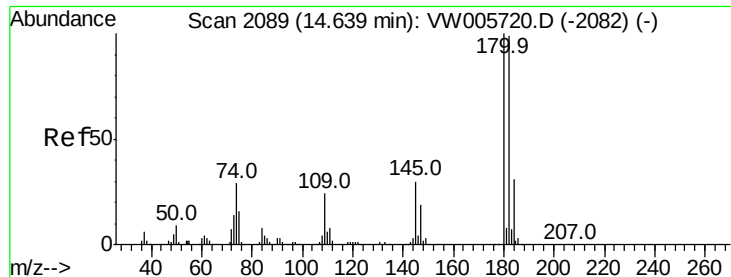
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	34.6	51.8
148	63.9	51.5	77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 20.942 ug/L
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW005806.D
 Acq: 03 Oct 2018 10:20

Tgt Ion	Ratio	Lower	Upper
75	100		
157	102.0	76.9	115.3
155	79.4	64.2	96.2

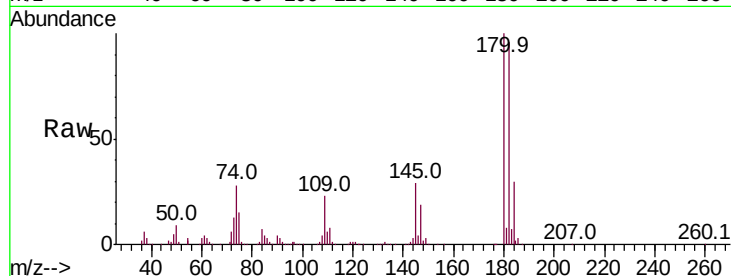




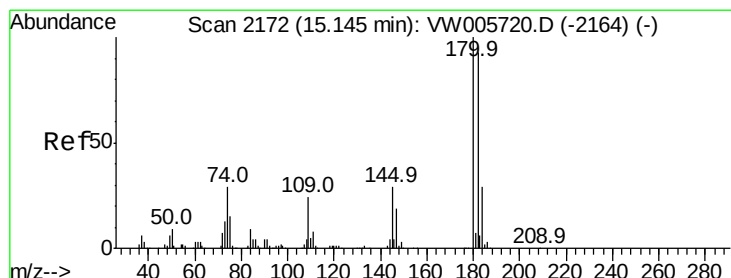
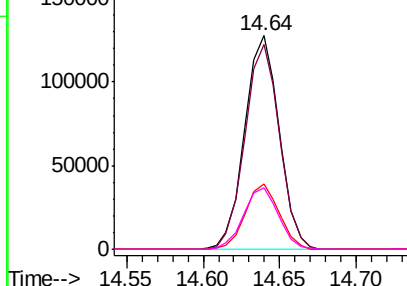
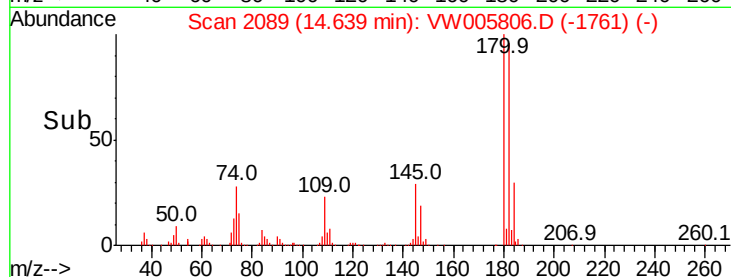
#67
 1,3,5-Trichlorobenzene
 Concen: 25.432 ug/L
 RT: 14.64 min Scan# 2089
 Delta R.T. 0.00 min
 Lab File: VW005806.D
 Acq: 03 Oct 2018 10:20

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	180	Resp:	200245
Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.7	116.5
184	30.1	24.6	37.0
145	29.1	23.8	35.6

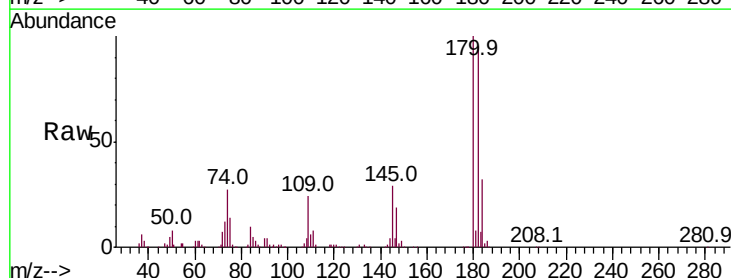


Abundance Ion 180.00 (179.70 to 180.70): V
 200000
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

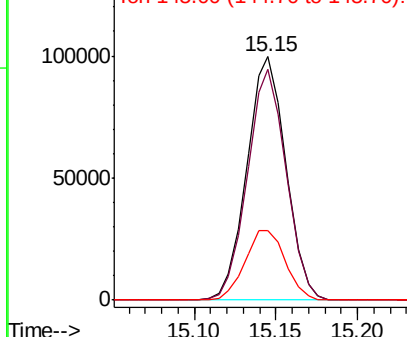
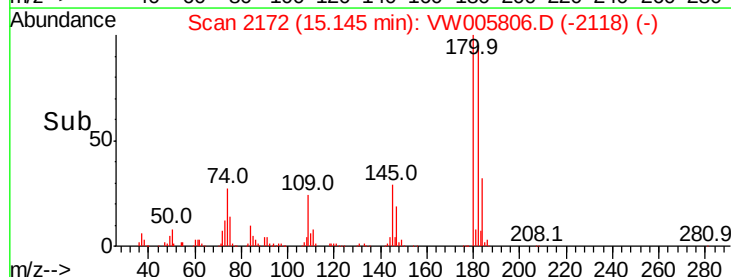


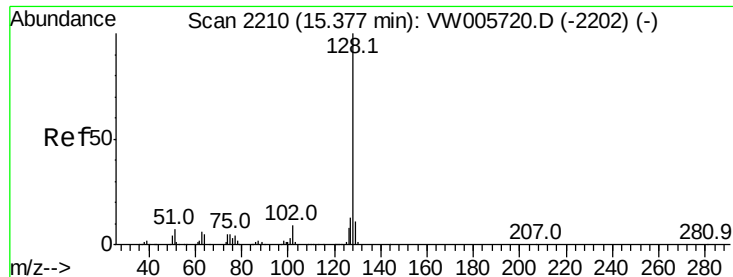
#68
 1,2,4-trichlorobenzene
 Concen: 25.599 ug/L
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.00 min
 Lab File: VW005806.D
 Acq: 03 Oct 2018 10:20

Tgt Ion:	180	Resp:	165574
Ion	Ratio	Lower	Upper
180	100		
182	93.9	75.8	113.6
145	29.9	23.8	35.6



Abundance Ion 180.00 (179.70 to 180.70): V
 100000
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 23.459 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW005806.D

Acq: 03 Oct 2018 10:20

Instrument :

MSVOA_W

ClientSampleId :

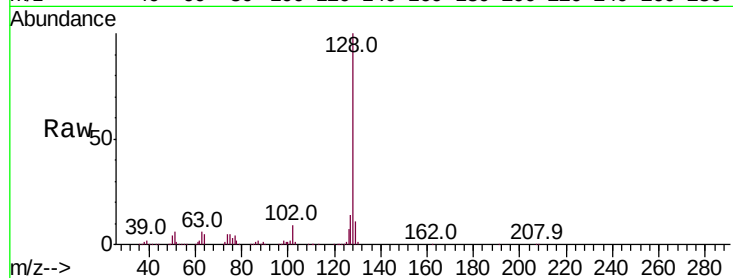
Tot Ion:128 Resp: 304033

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

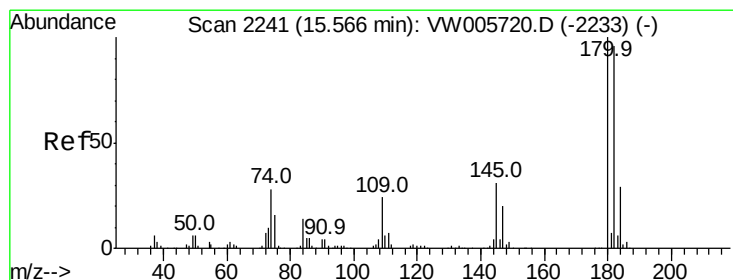
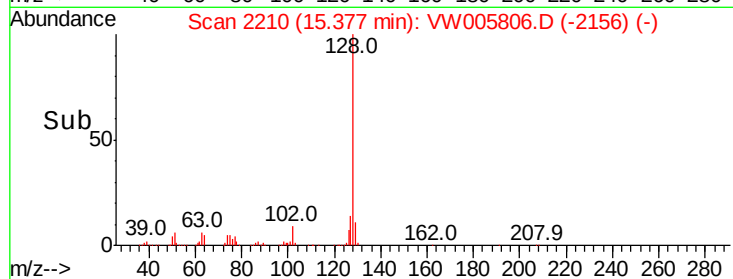
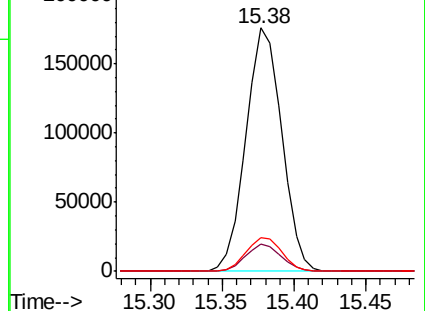
127 13.9 11.0 16.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.680 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW005806.D

Acq: 03 Oct 2018 10:20

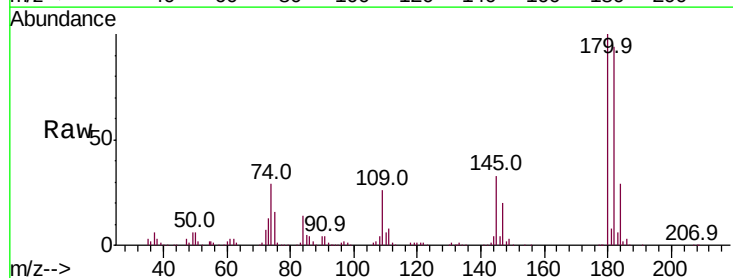
Tgt Ion:180 Resp: 155670

Ion Ratio Lower Upper

180 100

182 95.1 76.8 115.2

145 32.0 25.5 38.3



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

