

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072718\
 Data File : VW004241.D
 Acq On : 26 Jul 2018 21:09
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 27 02:56:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072618S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 27 02:54:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	331990	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	318035	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	162698	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.34	65	77633	23.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.92%
7) Chloroethane-d5	2.89	69	57161	23.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.04%
10) 1,1-Dichloroethene-d2	4.01	63	202058	25.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.32%
20) 2-Butanone-d5	7.09	46	91316	48.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.52%
24) Chloroform-d	7.65	84	223931	26.34	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.36%
26) 1,2-Dichloroethane-d4	8.31	65	134994	26.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.60%
29) Benzene-d6	8.28	84	436755	25.91	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.64%
33) 1,2-Dichloropropane-d6	9.27	67	144663	25.80	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.20%
37) Toluene-d8	10.33	98	419990	26.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	105.44%
38) trans-1,3-Dichloropropene-	10.58	79	65618	25.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.16%
39) 2-Hexanone-d5	10.93	63	72983	49.54	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.08%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	147349	25.74	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.96%
61) 1,2-Dichlorobenzene-d4	13.86	152	154585	25.42	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.68%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.00	85	52586	23.812	ug/L	91
3) Chloromethane	2.21	50	81261	26.066	ug/L	95
5) Vinyl chloride	2.36	62	98928	23.782	ug/L	95
6) Bromomethane	2.78	94	55837	23.959	ug/L	100
8) Chloroethane	2.92	64	53164	23.782	ug/L	97
9) Trichlorofluoromethane	3.25	101	44752	22.229	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	106234	26.782	ug/L	97
12) 1,1-Dichloroethene	4.03	96	99706	25.969	ug/L	95
13) Acetone	4.12	43	77917	40.783	ug/L	99
14) Carbon disulfide	4.37	76	322937	26.124	ug/L	99
15) Methyl Acetate	4.67	43	78602	24.733	ug/L	99
16) Methylene chloride	4.90	84	119951	25.770	ug/L	99
17) Methyl tert-butyl Ether	5.43	73	207109	27.173	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	104860	25.931	ug/L	97
19) 1,1-Dichloroethane	6.21	63	208761	26.502	ug/L	98
21) 2-Butanone	7.18	43	107644	44.699	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	118603	26.383	ug/L	99

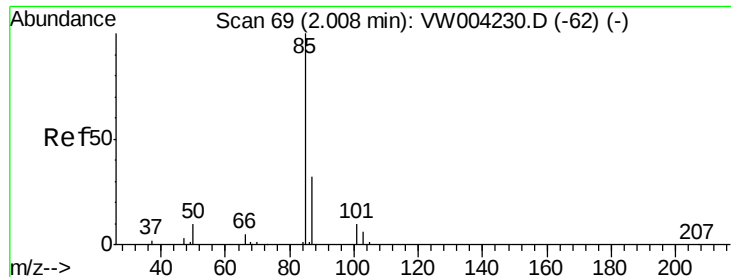
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072718\
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 Quant Title : VOC Analysis
 QLast Update : Fri Jul 27 02:54:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	57074	26.818	ug/L	93
25) Chloroform	7.68	83	212625	26.325	ug/L	99
27) 1,2-Dichloroethane	8.40	62	155657	26.201	ug/L	98
30) Cyclohexane	7.96	56	176480	25.077	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	161336	25.137	ug/L	100
32) Carbon tetrachloride	8.07	117	154006	24.671	ug/L	99
34) Benzene	8.32	78	476311	26.051	ug/L	100
35) Trichloroethene	9.09	95	117924	24.517	ug/L	100
36) Methylcyclohexane	9.34	83	201266	25.038	ug/L	99
40) 1,2-Dichloropropane	9.37	63	131144	26.417	ug/L	99
41) Bromodichloromethane	9.65	83	158421	25.843	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	183528	25.416	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	217025	49.074	ug/L	100
44) Toluene	10.39	91	503956	26.079	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	168418	25.432	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	99174	25.731	ug/L	99
47) Tetrachloroethene	10.87	164	95016	24.695	ug/L	97
49) 2-Hexanone	10.98	43	160470	46.311	ug/L	98
50) Dibromochloromethane	11.13	129	112762	25.651	ug/L	99
51) 1,2-Dibromoethane	11.24	107	96182	25.594	ug/L	98
52) Chlorobenzene	11.66	112	314109	25.504	ug/L	97
53) Ethylbenzene	11.74	91	533310	25.576	ug/L	99
54) m,p-Xylene	11.84	106	204020	26.014	ug/L	99
55) o-xylene	12.17	106	193559	26.368	ug/L	100
56) Styrene	12.19	104	355889	27.973	ug/L	100
57) Isopropylbenzene	12.47	105	526253	26.389	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	135721	24.701	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	103092	24.405	ug/L	97
62) Bromoform	12.35	173	71339	24.423	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	238591	24.923	ug/L	98
64) 1,4-Dichlorobenzene	13.59	146	256804	25.406	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	239409	25.670	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	23926	22.843	ug/L	94
67) 1,3,5-Trichlorobenzene	14.64	180	183624	24.797	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	152513	25.254	ug/L	100
69) Naphthalene	15.38	128	345651	24.909	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	153022	26.192	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 23.812 ug/L

RT: 2.00 min Scan# 68

Delta R.T. -0.01 min

Lab File: VW004241.D

Acq: 26 Jul 2018 21:09

Instrument :

MSVOA_W

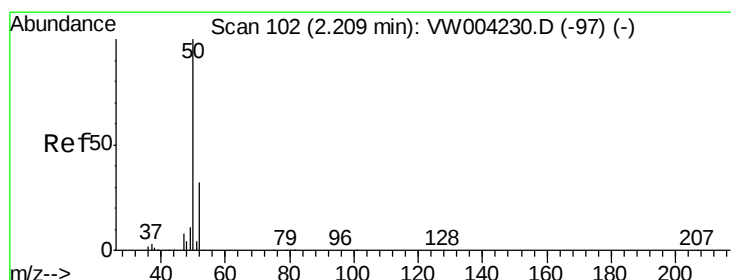
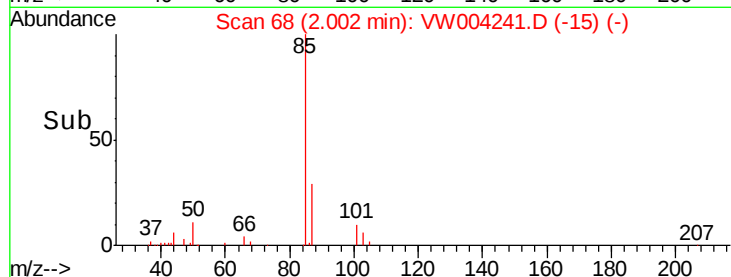
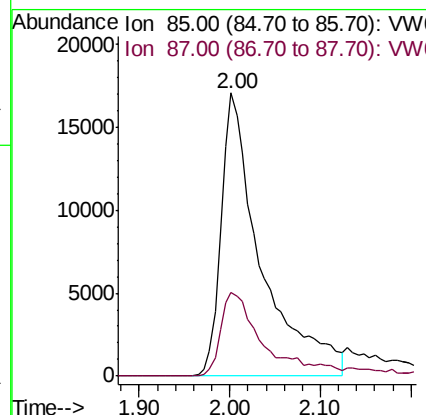
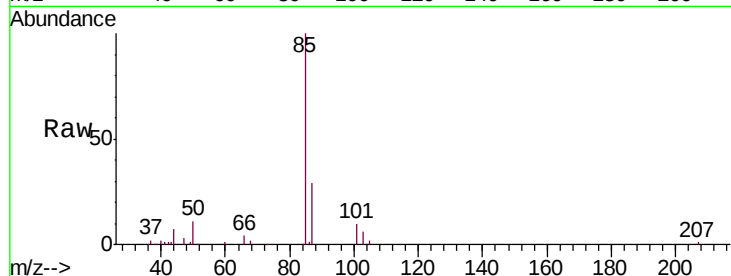
ClientSampleId :

Tot Ion: 85 Resp: 52586

Ion Ratio Lower Upper

85 100

87 27.3 22.7 42.3



#3

Chloromethane

Concen: 26.066 ug/L

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW004241.D

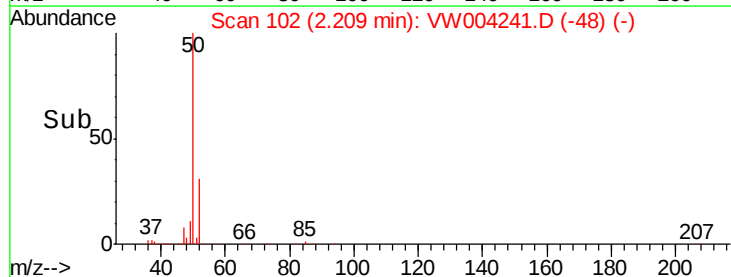
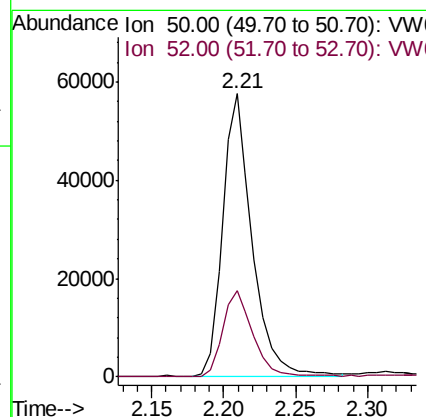
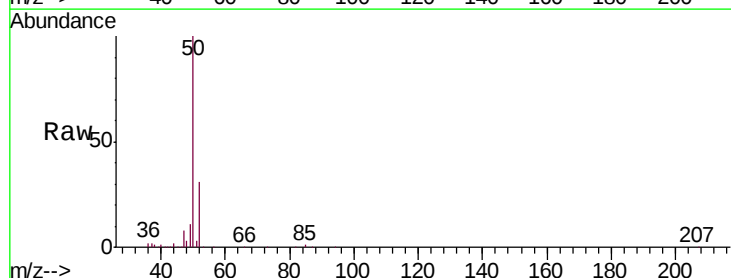
Acq: 26 Jul 2018 21:09

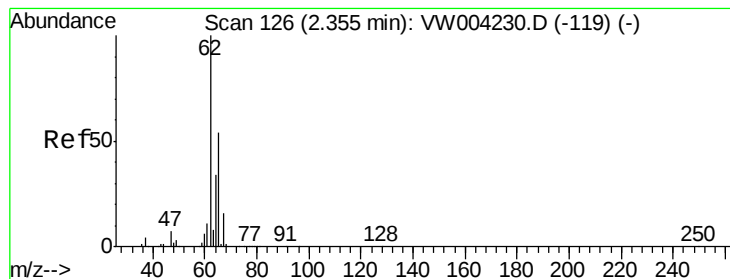
Tgt Ion: 50 Resp: 81261

Ion Ratio Lower Upper

50 100

52 30.6 23.2 43.2





#5

Vinyl chloride

Concen: 23.782 ug/L

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW004241.D

Acq: 26 Jul 2018 21:09

Instrument :

MSVOA_W

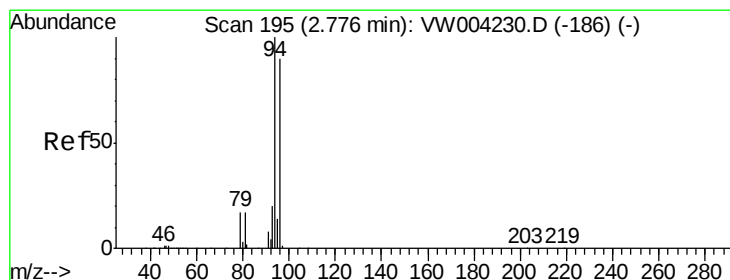
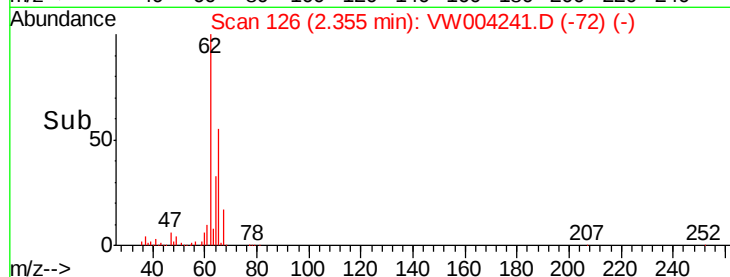
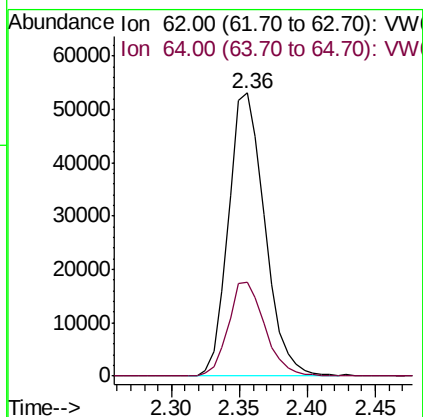
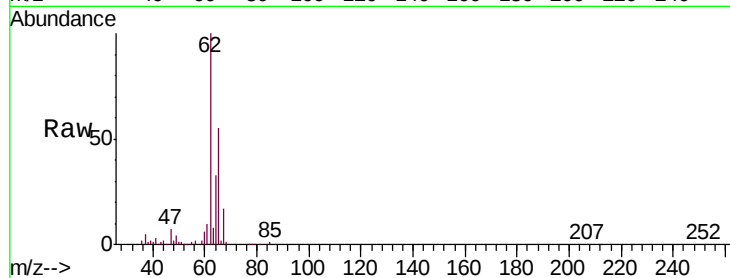
ClientSampled :

Tot Ion: 62 Resp: 98928

Ion Ratio Lower Upper

62 100

64 33.1 21.4 39.8



#6

Bromomethane

Concen: 23.959 ug/L

RT: 2.78 min Scan# 195

Delta R.T. -0.00 min

Lab File: VW004241.D

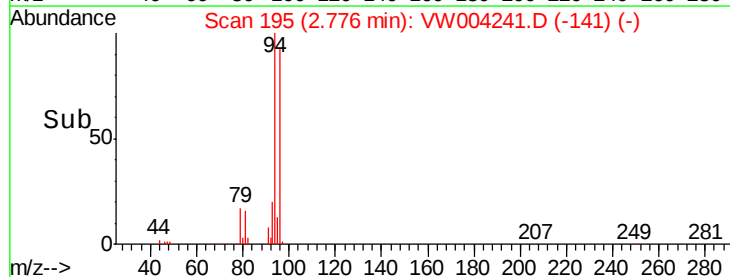
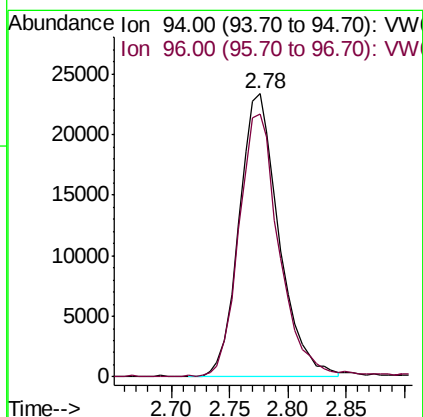
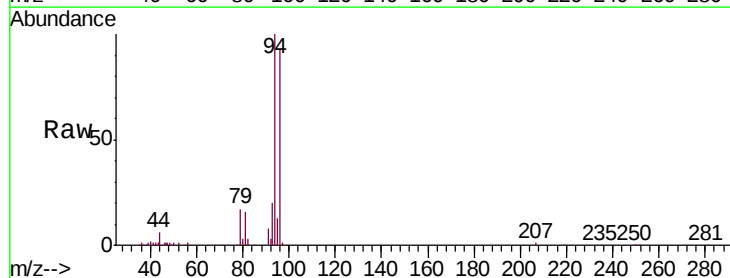
Acq: 26 Jul 2018 21:09

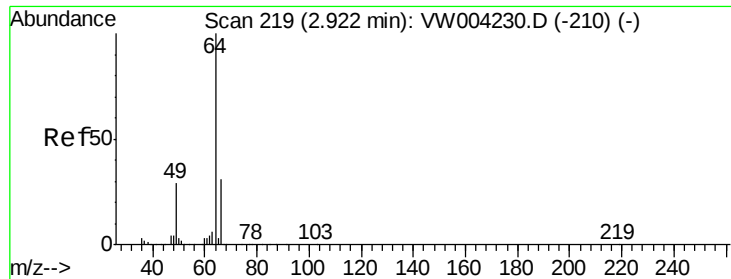
Tgt Ion: 94 Resp: 55837

Ion Ratio Lower Upper

94 100

96 92.4 9.2 175.6





#8

Chloroethane

Concen: 23.782 ug/L

RT: 2.92 min Scan# 218

Delta R.T. -0.01 min

Lab File: VW004241.D

Acq: 26 Jul 2018 21:09

Instrument :

MSVOA_W

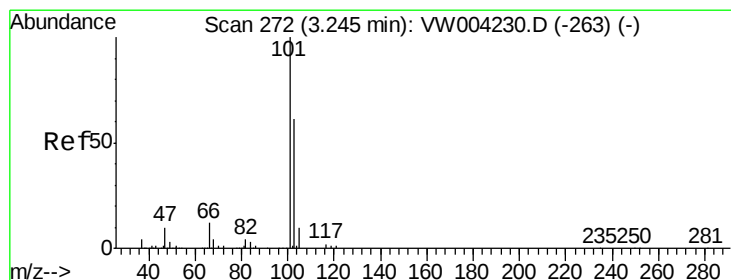
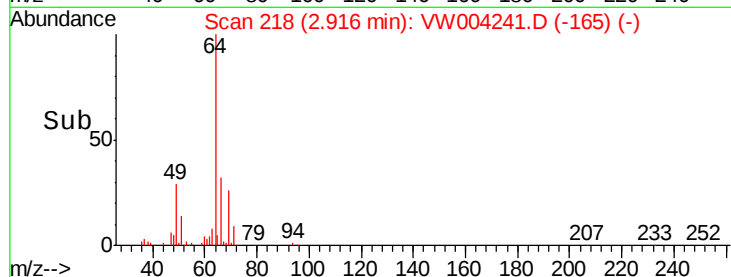
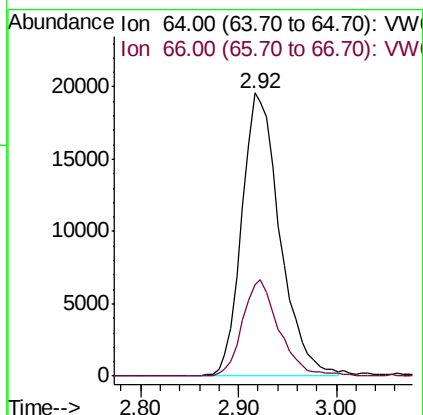
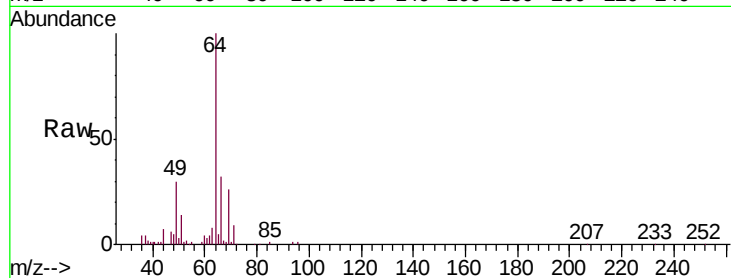
ClientSampleId :

Tot Ion: 64 Resp: 53164

Ion Ratio Lower Upper

64 100

66 32.4 21.6 40.2



#9

Trichlorofluoromethane

Concen: 22.229 ug/L

RT: 3.25 min Scan# 272

Delta R.T. -0.00 min

Lab File: VW004241.D

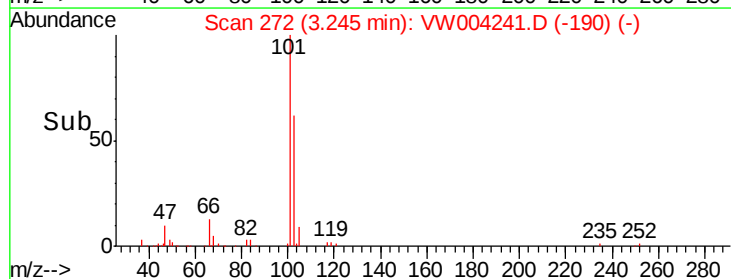
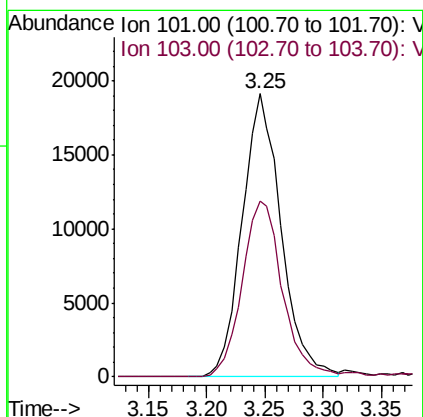
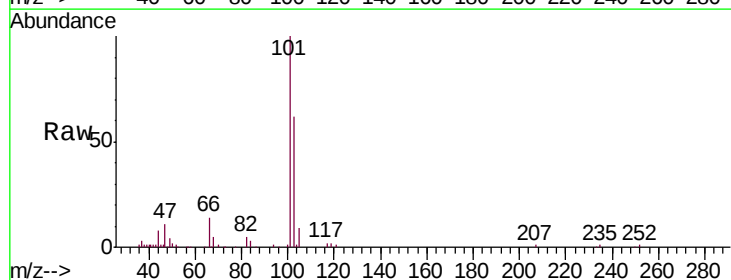
Acq: 26 Jul 2018 21:09

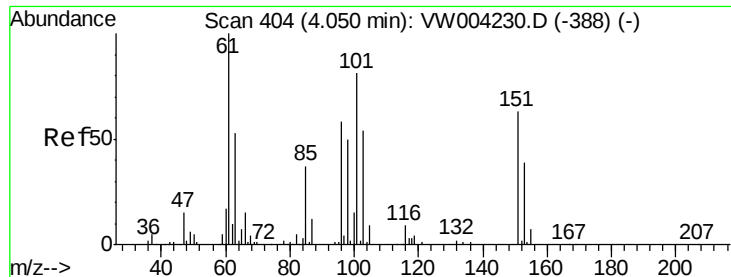
Tgt Ion: 101 Resp: 44752

Ion Ratio Lower Upper

101 100

103 63.9 44.6 82.8





#11

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

Concen: 26.782 ug/L

RT: 4.05 min Scan# 404

Delta R.T. -0.00 min

Lab File: VW004241.D

Acq: 26 Jul 2018 21:09

Instrument :

MSVOA_W

ClientSampled :

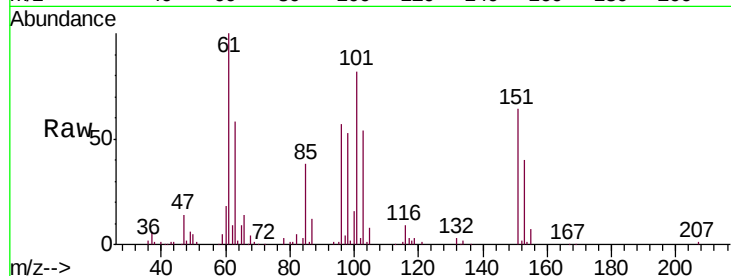
Tot Ion:101 Resp: 106234

Ion Ratio Lower Upper

101 100

85 42.8 35.8 53.8

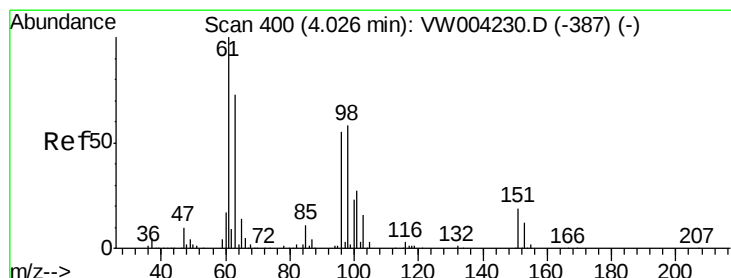
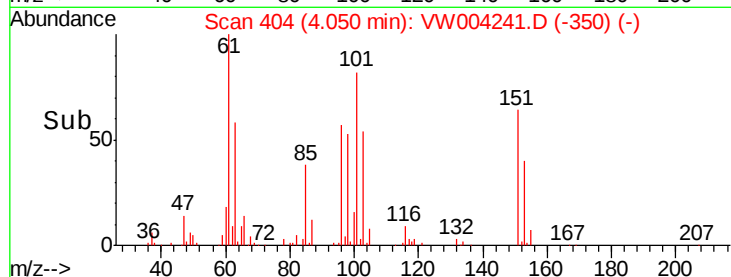
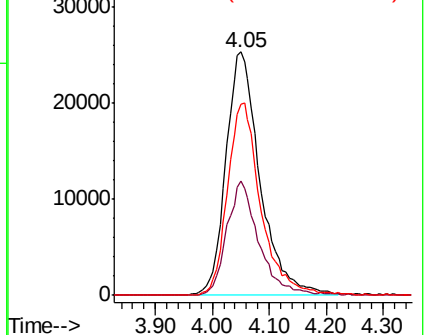
151 76.3 63.4 95.2



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: 25.969 ug/L

RT: 4.03 min Scan# 400

Delta R.T. -0.00 min

Lab File: VW004241.D

Acq: 26 Jul 2018 21:09

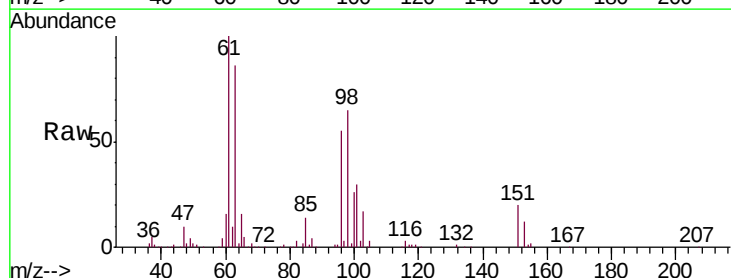
Tgt Ion: 96 Resp: 99706

Ion Ratio Lower Upper

96 100

61 180.4 133.1 247.3

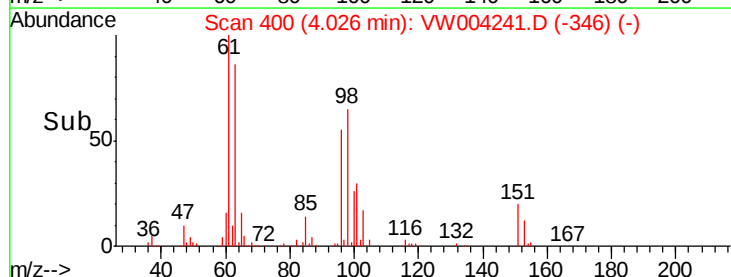
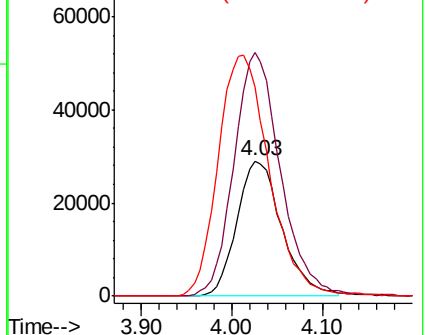
63 154.7 111.7 207.5

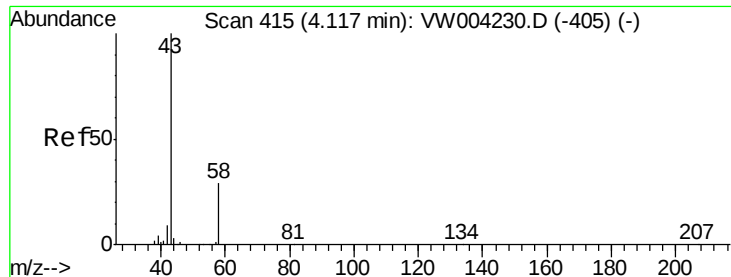


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 40.783 ug/L

RT: 4.12 min Scan# 415

Delta R.T. -0.00 min

Lab File: VW004241.D

Acq: 26 Jul 2018 21:09

Instrument :

MSVOA_W

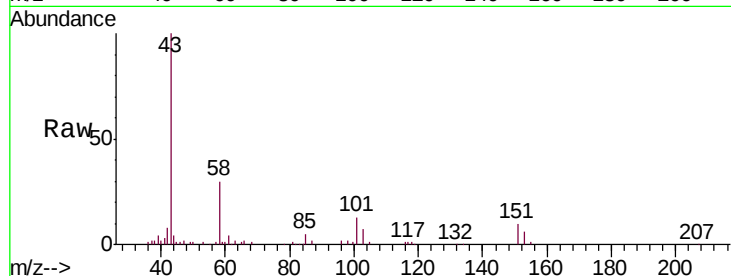
ClientSampleId :

Tot Ion: 43 Resp: 77917

Ion Ratio Lower Upper

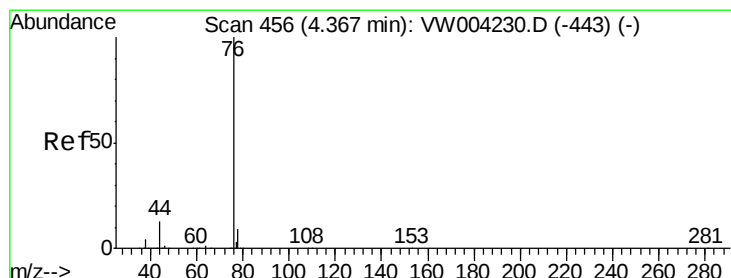
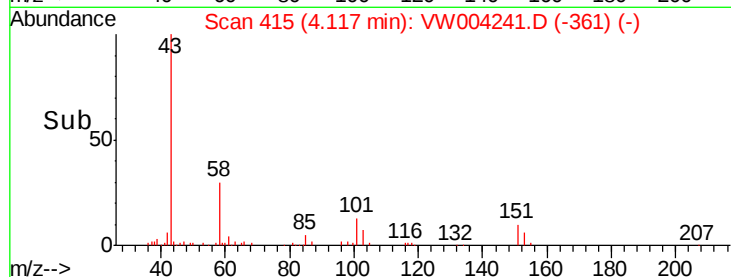
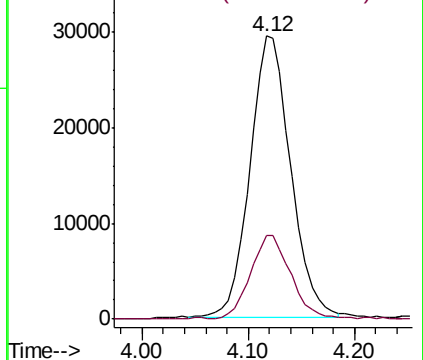
43 100

58 29.3 0.0 59.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 26.124 ug/L

RT: 4.37 min Scan# 456

Delta R.T. -0.00 min

Lab File: VW004241.D

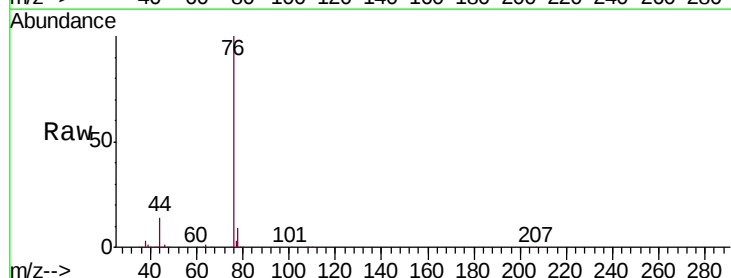
Acq: 26 Jul 2018 21:09

Tgt Ion: 76 Resp: 322937

Ion Ratio Lower Upper

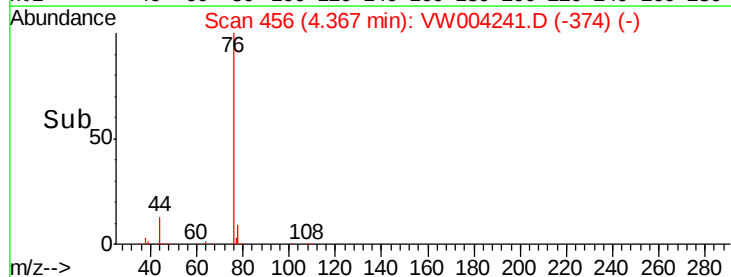
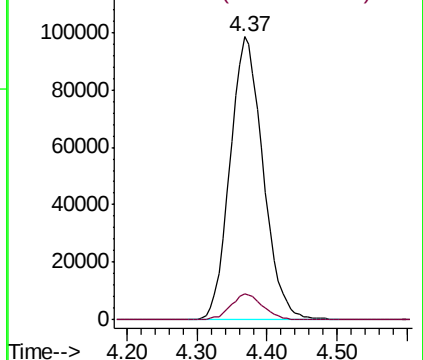
76 100

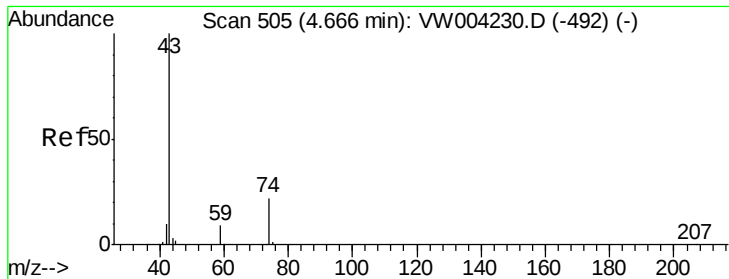
78 9.1 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

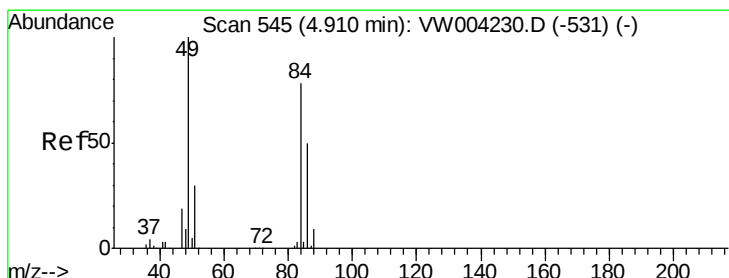
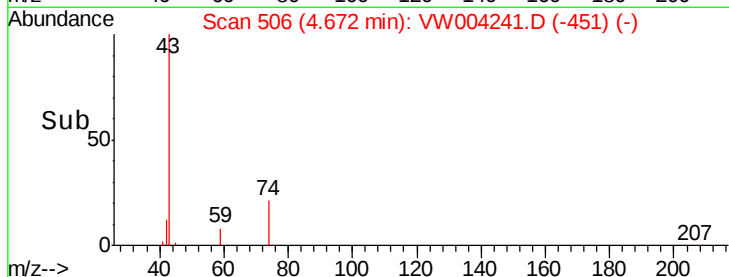
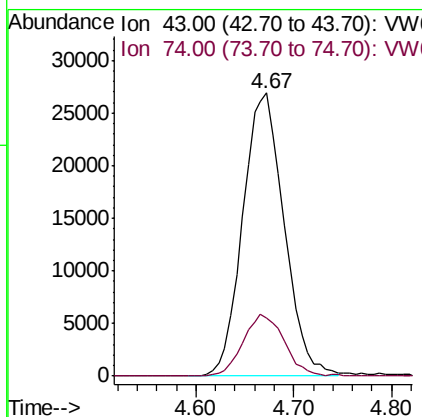
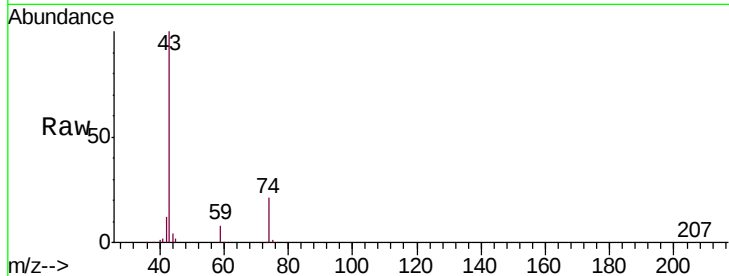




#15
Methvl Acetate
Concen: 24.733 ug/L
RT: 4.67 min Scan# 506
Delta R.T. 0.01 min
Lab File: VW004241.D
Acq: 26 Jul 2018 21:09

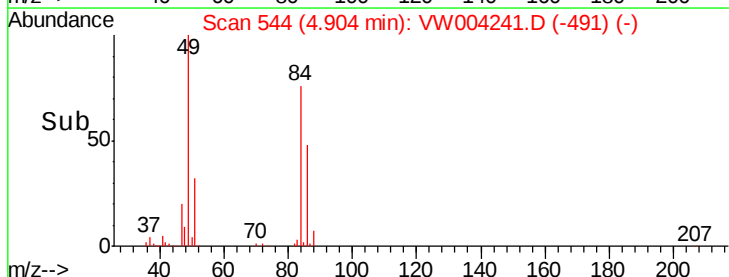
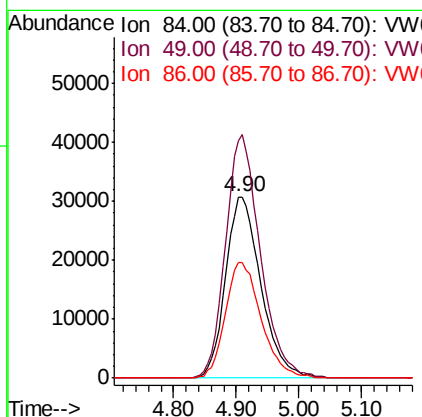
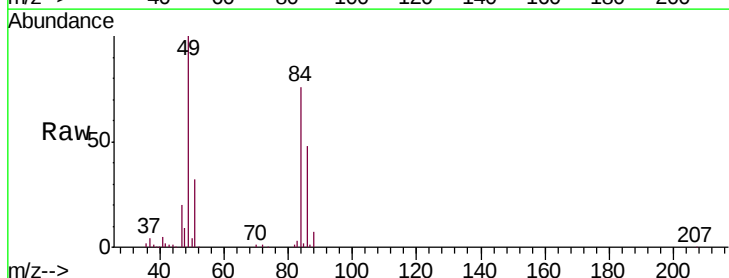
Instrument :
MSVOA_W
ClientSampled :

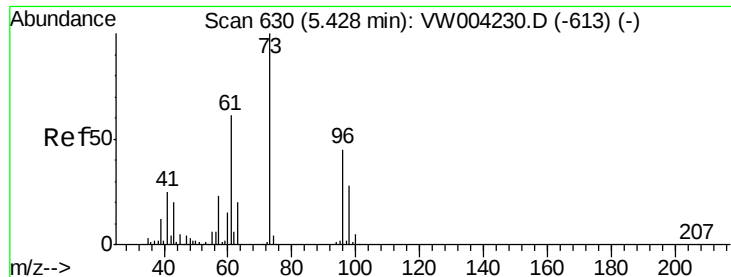
Tot Ion: 43 Resp: 78602
Ion Ratio Lower Upper
43 100
74 21.7 17.0 25.6



#16
Methylene chloride
Concen: 25.770 ug/L
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW004241.D
Acq: 26 Jul 2018 21:09

Tgt Ion: 84 Resp: 119951
Ion Ratio Lower Upper
84 100
49 131.0 90.9 168.7
86 63.4 44.4 82.5

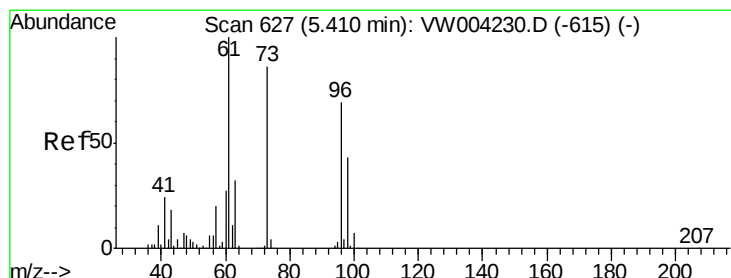
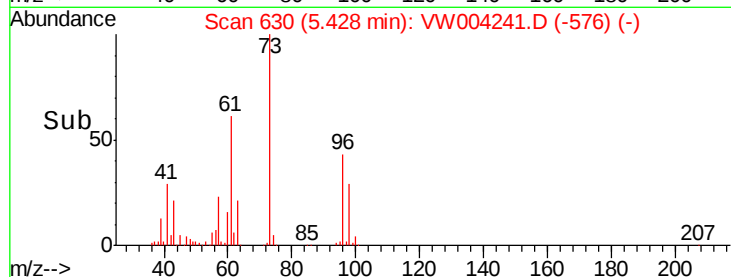
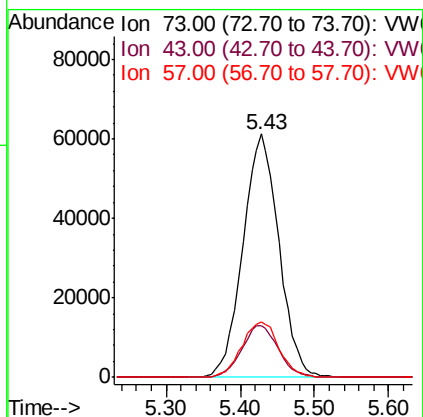
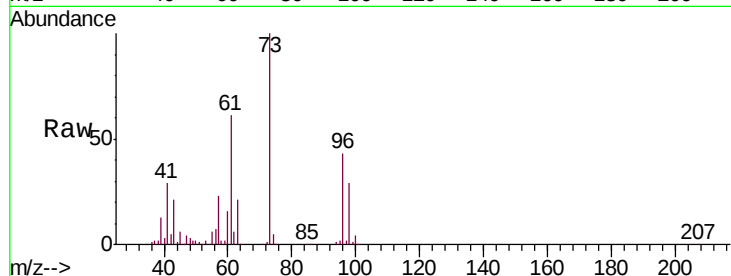




#17
Methvl tert-butvl Ether
Concen: 27.173 ug/L
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW004241.D
Acq: 26 Jul 2018 21:09

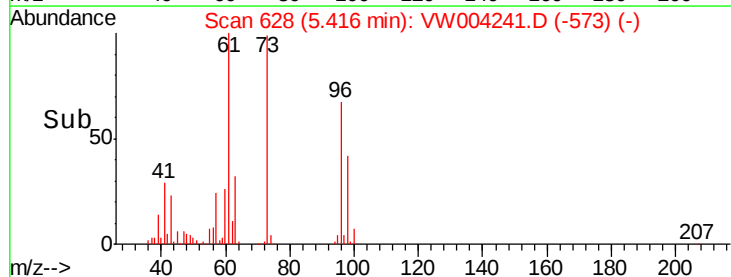
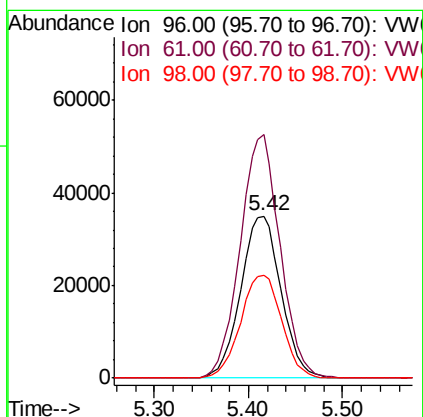
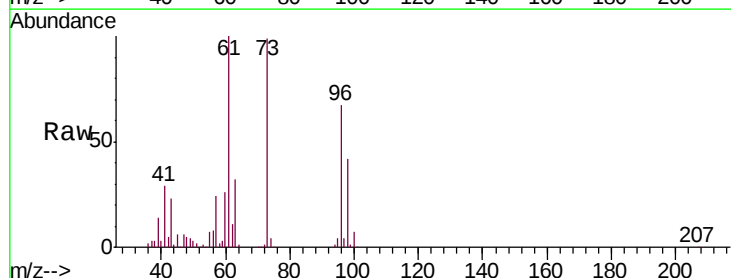
Instrument :
MSVOA_W
ClientSampleId :

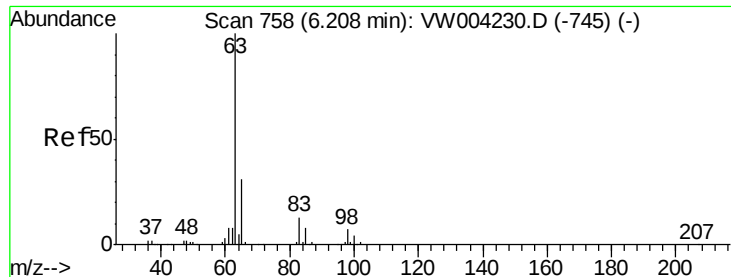
Tot Ion	Ratio	Lower	Upper
73	100		
43	21.9	17.8	26.6
57	23.8	18.7	28.1



#18
trans-1,2-Dichloroethene
Concen: 25.931 ug/L
RT: 5.42 min Scan# 628
Delta R.T. 0.01 min
Lab File: VW004241.D
Acq: 26 Jul 2018 21:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.3	102.4	190.2
98	63.2	43.1	80.1





#19

1,1-Dichloroethane

Concen: 26.502 ug/L

RT: 6.21 min Scan# 759

Delta R.T. 0.01 min

Lab File: VW004241.D

Acq: 26 Jul 2018 21:09

Instrument :

MSVOA_W

ClientSampleId :

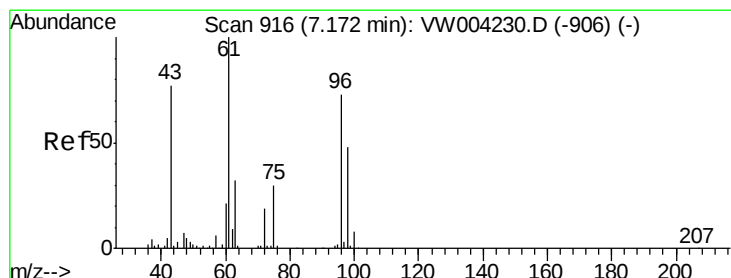
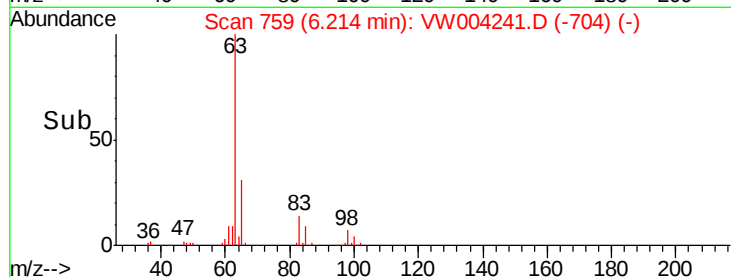
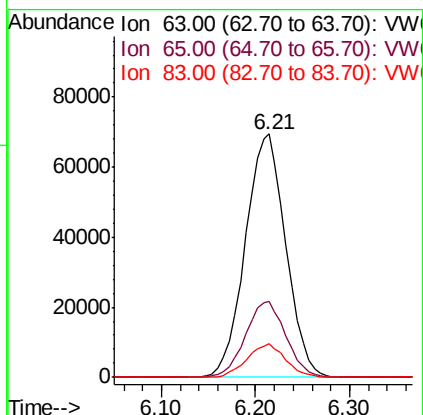
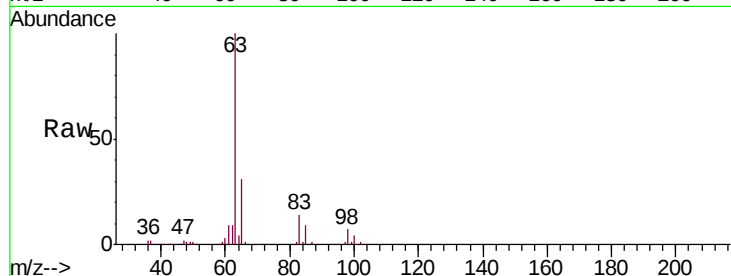
Tot Ion: 63 Resp: 208761

Ion Ratio Lower Upper

63 100

65 31.0 21.3 39.6

83 13.9 8.6 16.0



#21

2-Butanone

Concen: 44.699 ug/L

RT: 7.18 min Scan# 917

Delta R.T. 0.01 min

Lab File: VW004241.D

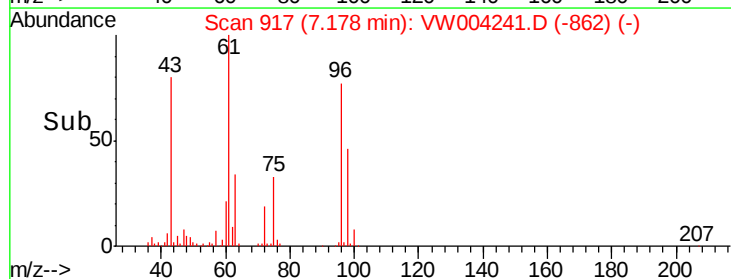
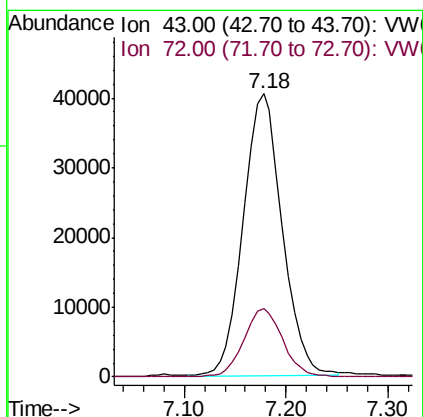
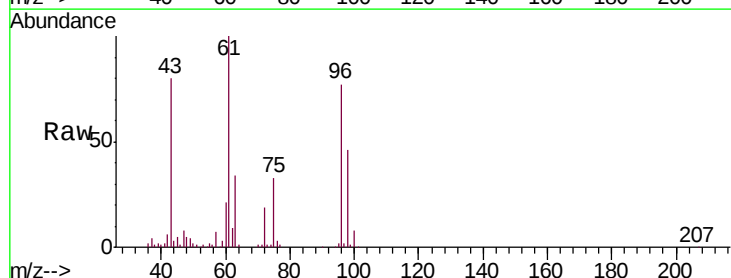
Acq: 26 Jul 2018 21:09

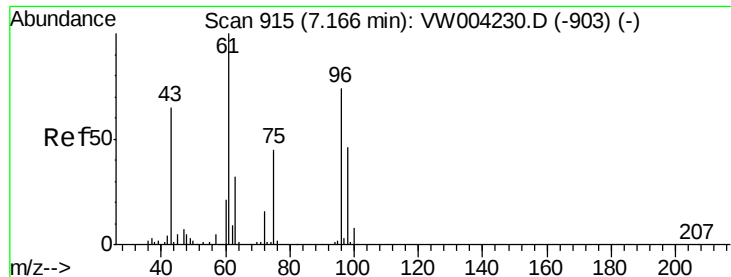
Tgt Ion: 43 Resp: 107644

Ion Ratio Lower Upper

43 100

72 24.2 12.3 36.9



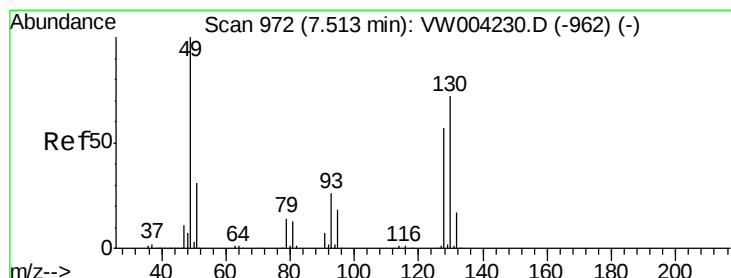
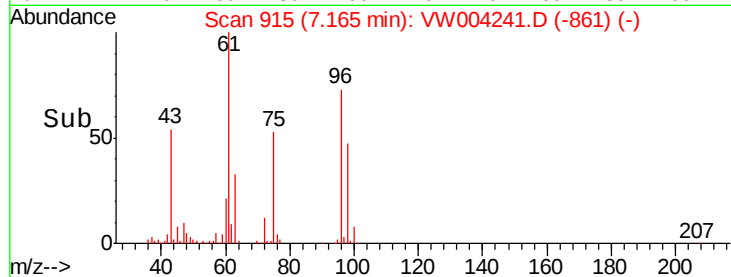
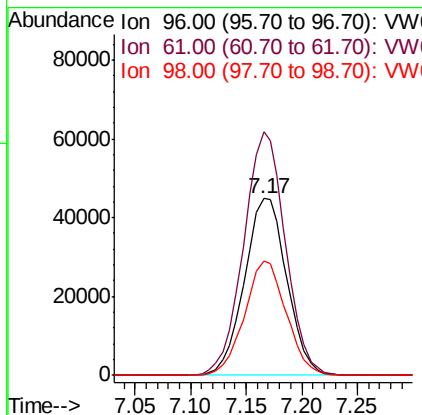
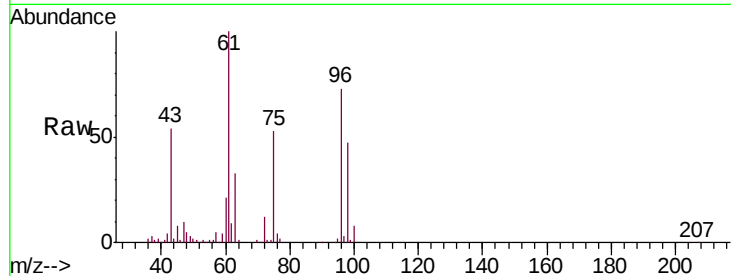


#22

cis-1,2-Dichloroethene
Concen: 26.383 ug/L
RT: 7.17 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW004241.D
Acq: 26 Jul 2018 21:09

Instrument :
MSVOA_W
ClientSampleId :

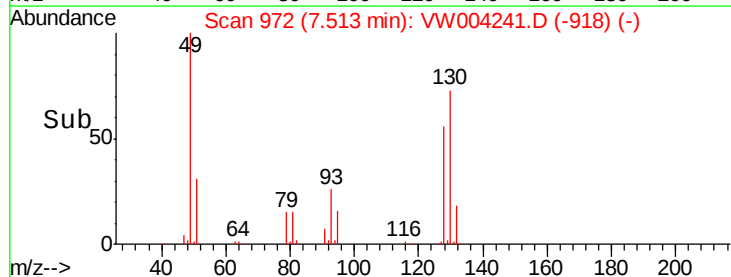
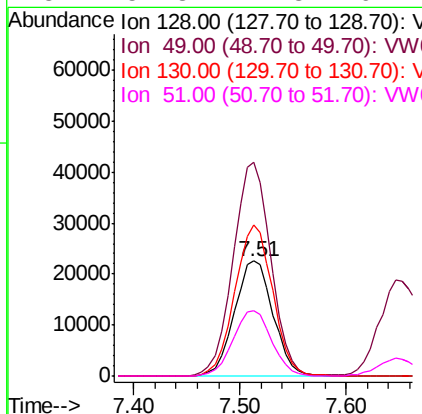
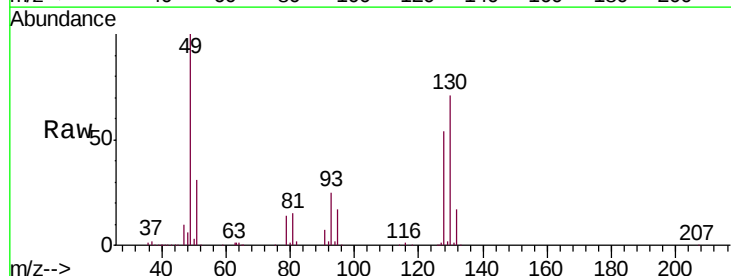
Tot Ion: 96 Resp: 118603
Ion Ratio Lower Upper
96 100
61 137.8 95.1 176.7
98 64.4 45.2 84.0

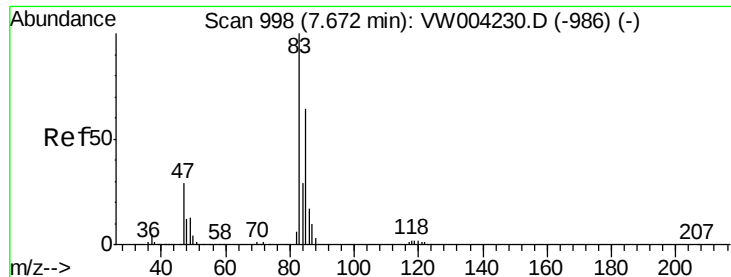


#23

Bromochloromethane
Concen: 26.818 ug/L
RT: 7.51 min Scan# 972
Delta R.T. -0.00 min
Lab File: VW004241.D
Acq: 26 Jul 2018 21:09

Tgt Ion: 128 Resp: 57074
Ion Ratio Lower Upper
128 100
49 185.8 120.5 223.7
130 131.8 88.5 164.4
51 57.3 42.8 64.2

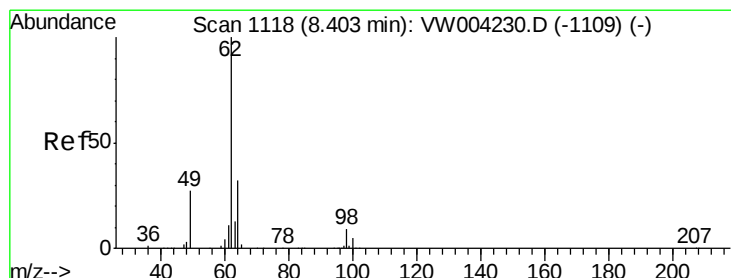
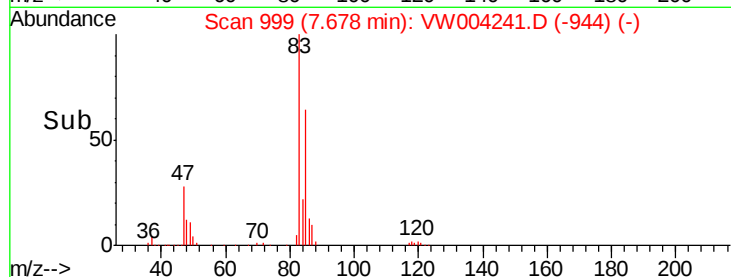
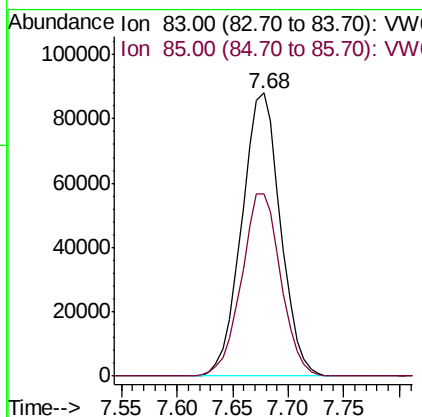
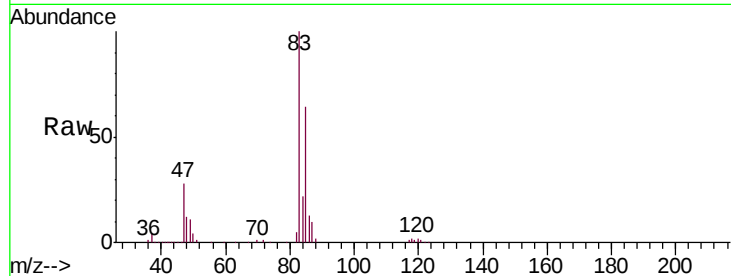




#25
Chloroform
Concen: 26.325 ug/L
RT: 7.68 min Scan# 999
Delta R.T. 0.01 min
Lab File: VW004241.D
Acq: 26 Jul 2018 21:09

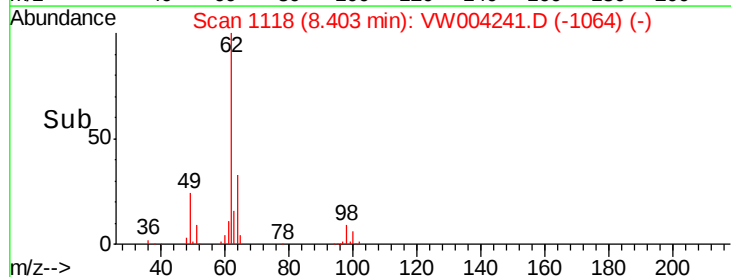
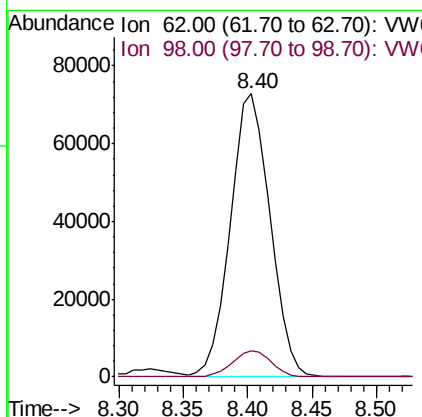
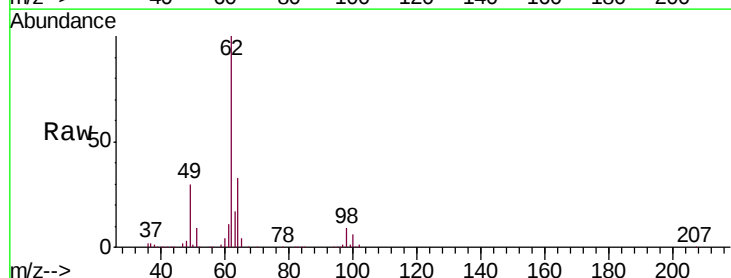
Instrument :
MSVOA_W
ClientSampled :

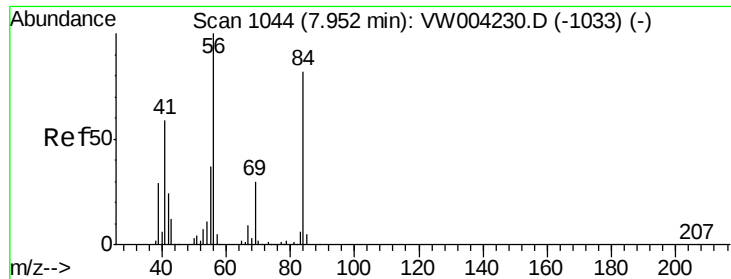
Tot Ion: 83 Resp: 212625
Ion Ratio Lower Upper
83 100
85 65.7 45.5 84.5



#27
1,2-Dichloroethane
Concen: 26.201 ug/L
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW004241.D
Acq: 26 Jul 2018 21:09

Tgt Ion: 62 Resp: 155657
Ion Ratio Lower Upper
62 100
98 9.4 7.0 10.4

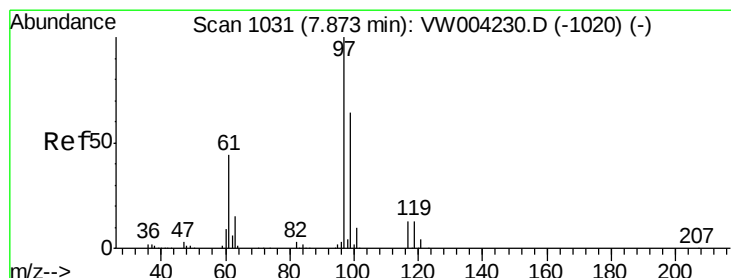
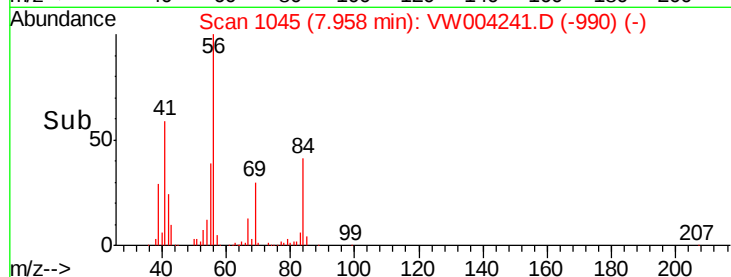
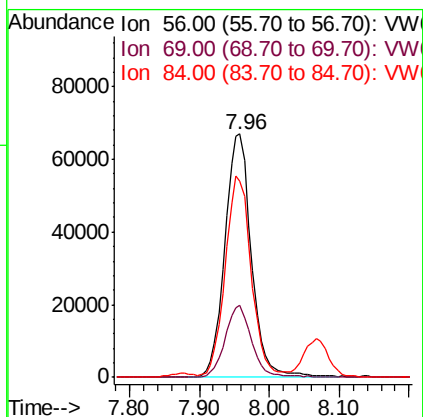
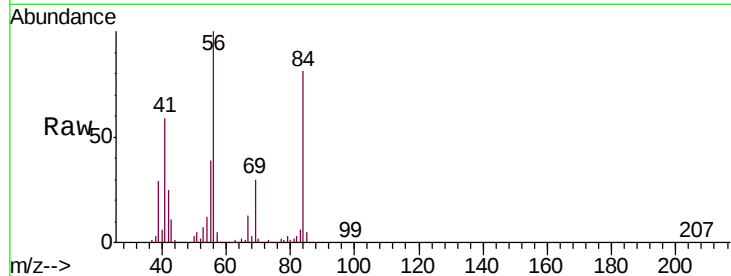




#30
Cyclohexane
Concen: 25.077 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VW004241.D
Acq: 26 Jul 2018 21:09

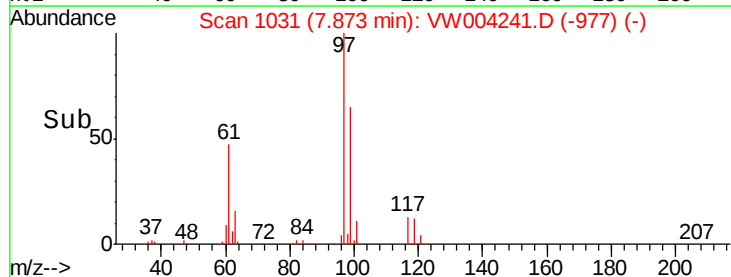
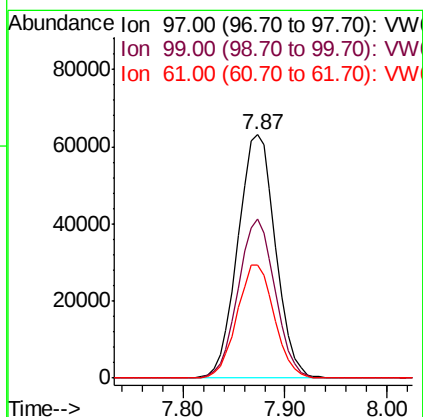
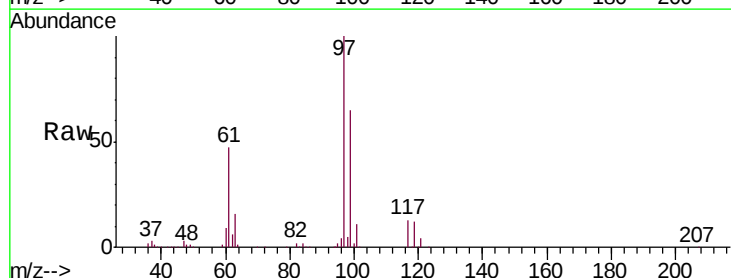
Instrument :
MSVOA_W
ClientSampleId :

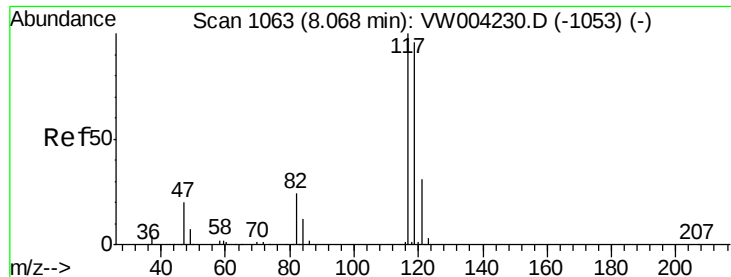
Tot Ion: 56 Resp: 176480
Ion Ratio Lower Upper
56 100
69 29.0 23.2 34.8
84 81.5 64.0 96.0



#31
1,1,1-Trichloroethane
Concen: 25.137 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW004241.D
Acq: 26 Jul 2018 21:09

Tgt Ion: 97 Resp: 161336
Ion Ratio Lower Upper
97 100
99 64.2 51.3 76.9
61 46.3 37.1 55.7





#32

Carbon tetrachloride

Concen: 24.671 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VW004241.D

Acq: 26 Jul 2018 21:09

Instrument :

MSVOA_W

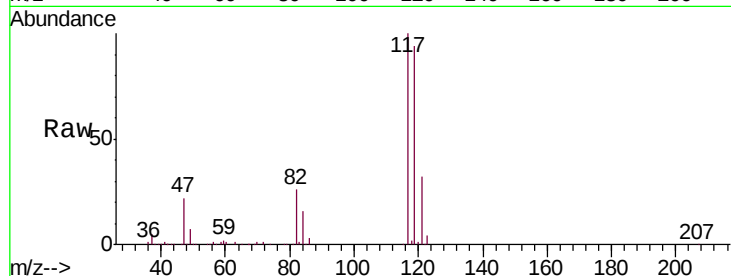
ClientSampleId :

Tot Ion:117 Resp: 154006

Ion Ratio Lower Upper

117 100

119 96.8 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

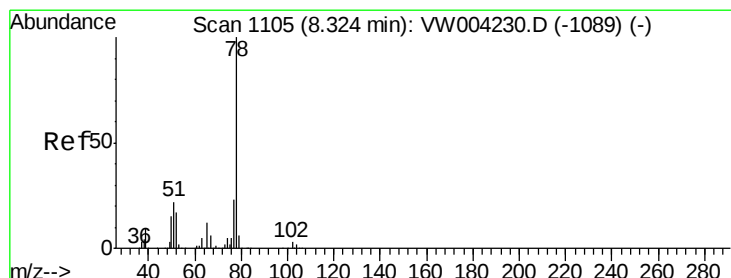
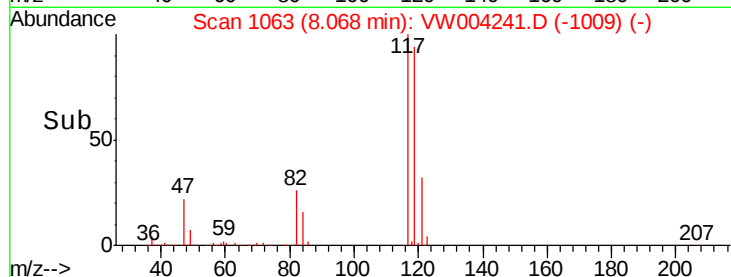
40000

20000

0

Time-->

8.00 8.10 8.20



#34

Benzene

Concen: 26.051 ug/L

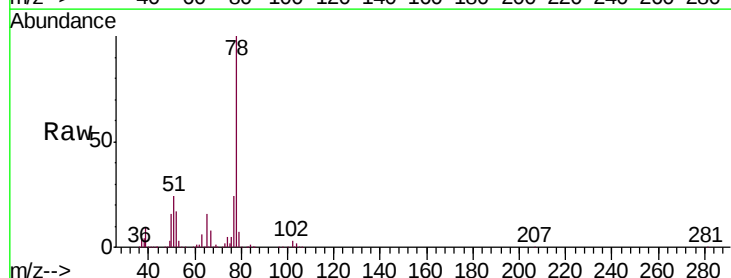
RT: 8.32 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VW004241.D

Acq: 26 Jul 2018 21:09

Tgt Ion: 78 Resp: 476311



Abundance Ion 78.00 (77.70 to 78.70): VW

250000

200000

150000

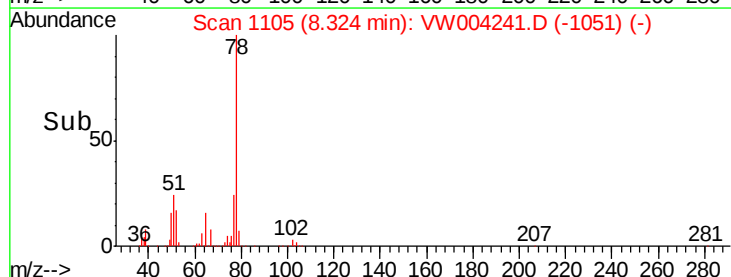
100000

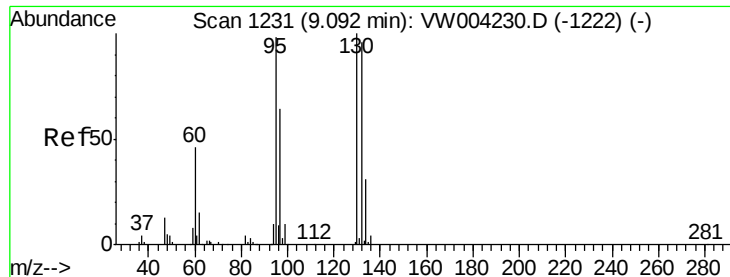
50000

0

Time-->

8.20 8.30 8.40

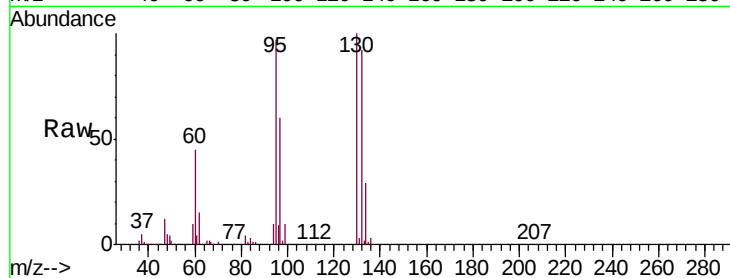




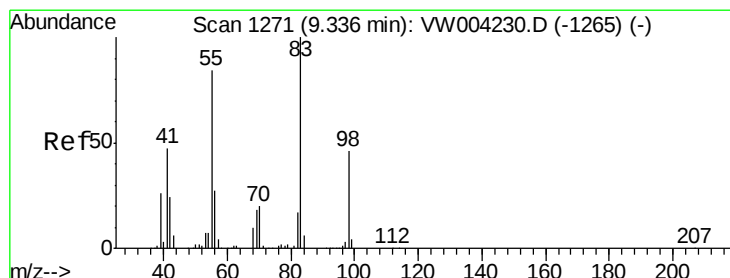
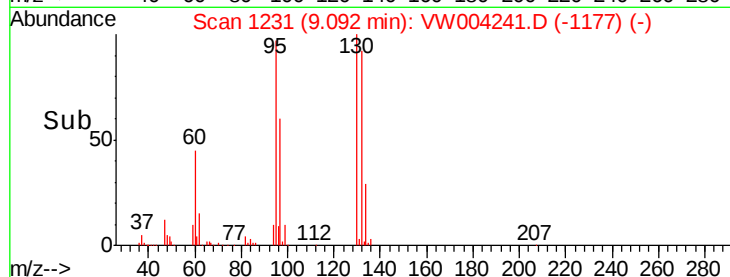
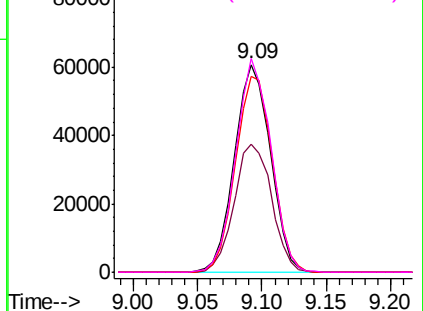
#35
 Trichloroethene
 Concen: 24.517 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VW004241.D
 Acq: 26 Jul 2018 21:09

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:	95	Resp:	117924
Ion	Ratio	Lower	Upper
95	100		
97	64.0	44.9	83.5
132	96.6	67.4	125.2
130	100.7	70.2	130.4

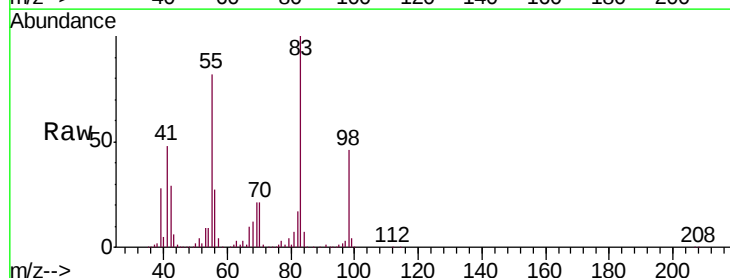


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

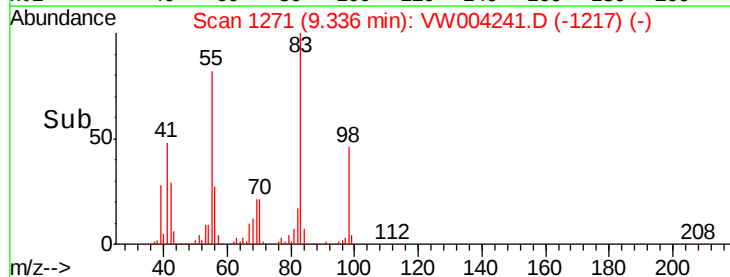
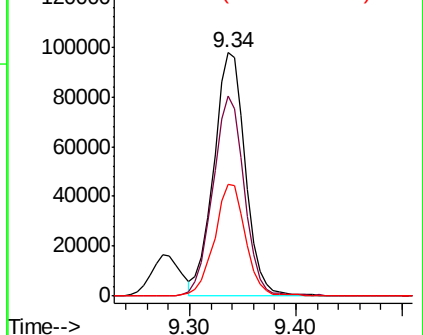


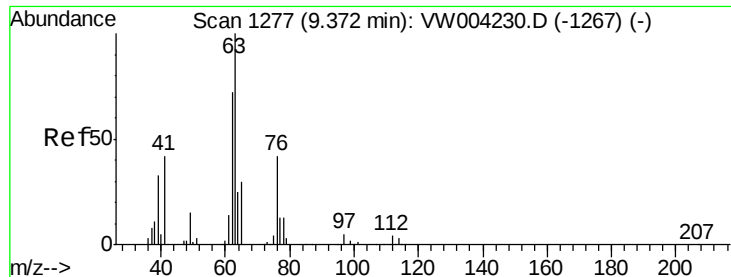
#36
 Methylcyclohexane
 Concen: 25.038 ug/L
 RT: 9.34 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VW004241.D
 Acq: 26 Jul 2018 21:09

Tgt Ion:	83	Resp:	201266
Ion	Ratio	Lower	Upper
83	100		
55	81.7	65.5	98.3
98	44.8	37.1	55.7



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: 26.417 ug/L

RT: 9.37 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VW004241.D

Acq: 26 Jul 2018 21:09

Instrument :

MSVOA_W

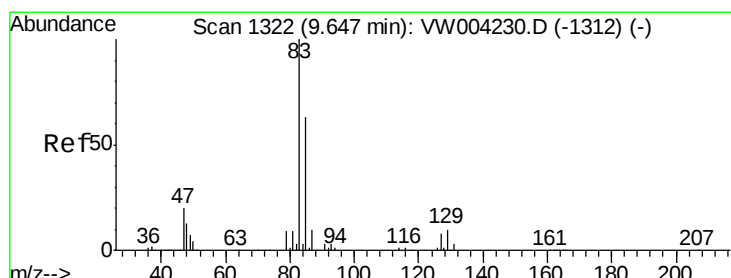
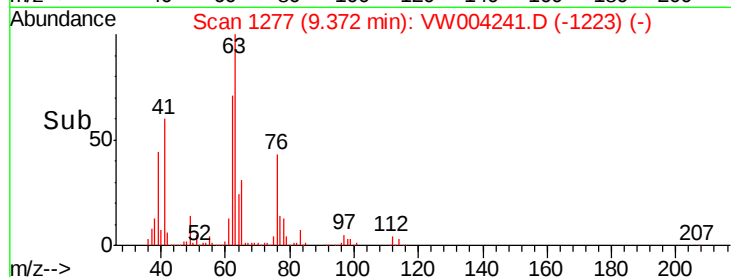
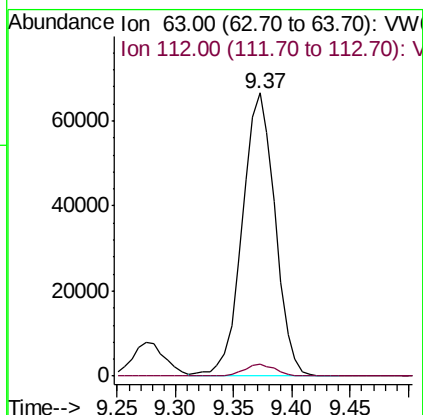
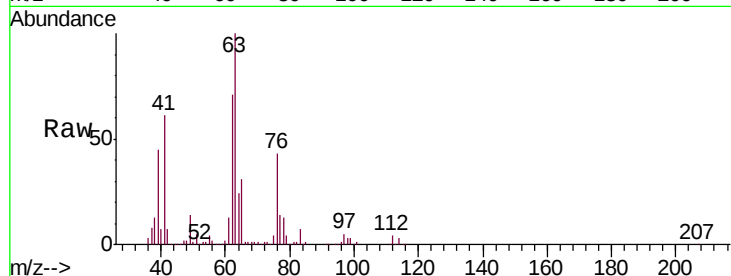
ClientSampleId :

Tot Ion: 63 Resp: 131144

Ion Ratio Lower Upper

63 100

112 4.2 3.2 4.8



#41

Bromodichloromethane

Concen: 25.843 ug/L

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW004241.D

Acq: 26 Jul 2018 21:09

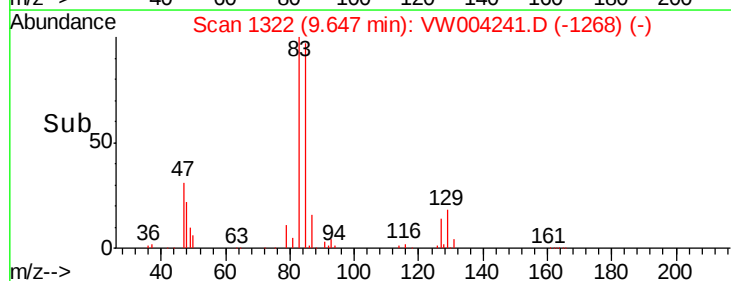
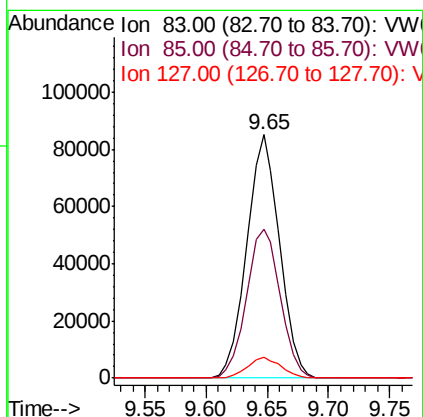
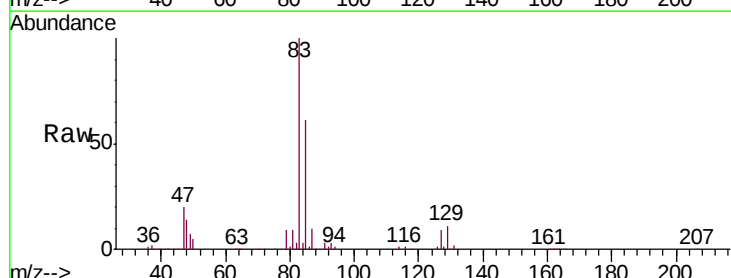
Tgt Ion: 83 Resp: 158421

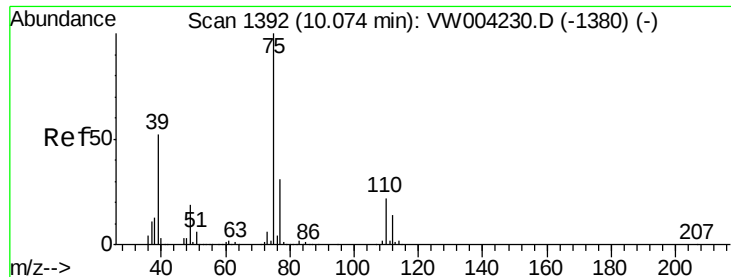
Ion Ratio Lower Upper

83 100

85 61.3 44.0 81.8

127 8.5 7.2 10.8





#42

cis-1,3-Dichloropropene

Concen: 25.416 ug/L

RT: 10.07 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW004241.D

Acq: 26 Jul 2018 21:09

Instrument :

MSVOA_W

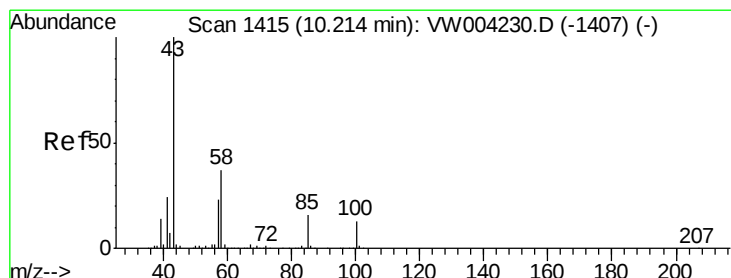
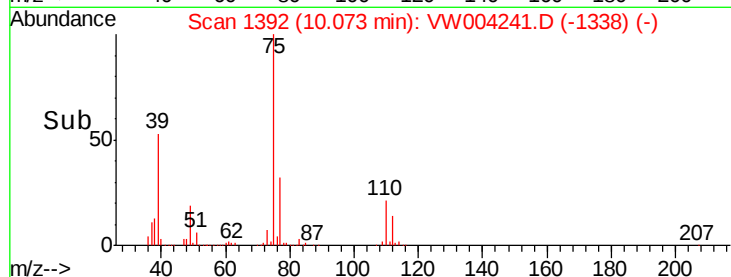
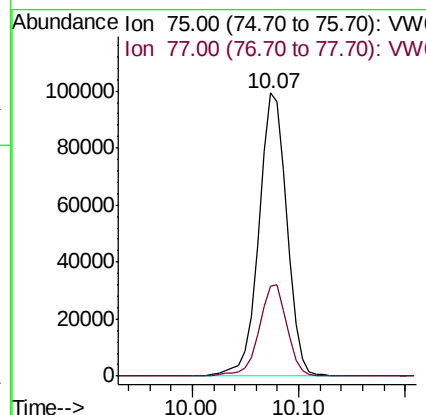
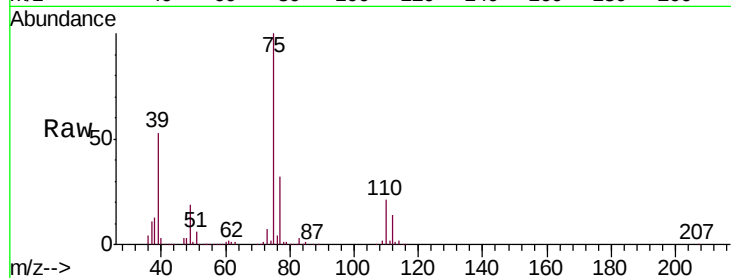
ClientSampled :

Tot Ion: 75 Resp: 183528

Ion Ratio Lower Upper

75 100

77 31.9 22.6 42.0



#43

4-Methyl-2-pentanone

Concen: 49.074 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW004241.D

Acq: 26 Jul 2018 21:09

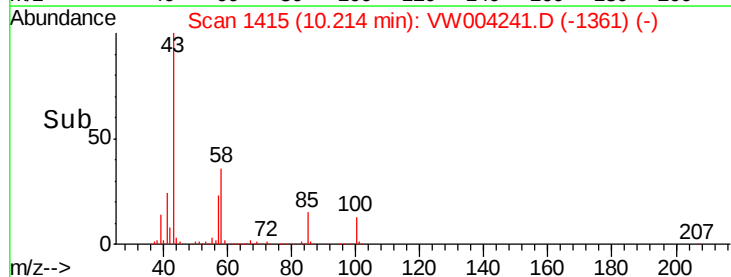
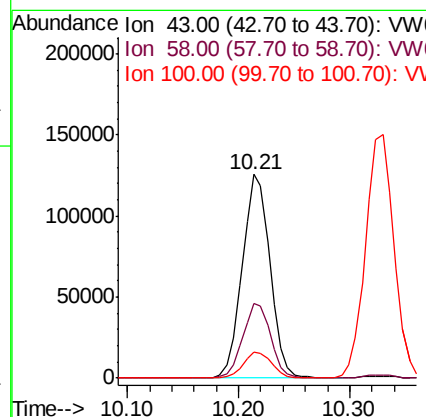
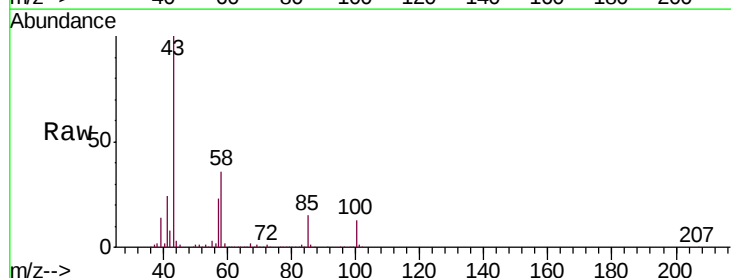
Tgt Ion: 43 Resp: 217025

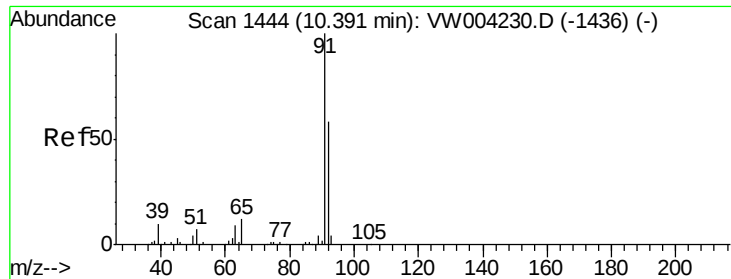
Ion Ratio Lower Upper

43 100

58 36.6 29.4 44.2

100 13.0 10.6 16.0





#44

Toluene

Concen: 26.079 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW004241.D

Acq: 26 Jul 2018 21:09

Instrument :

MSVOA_W

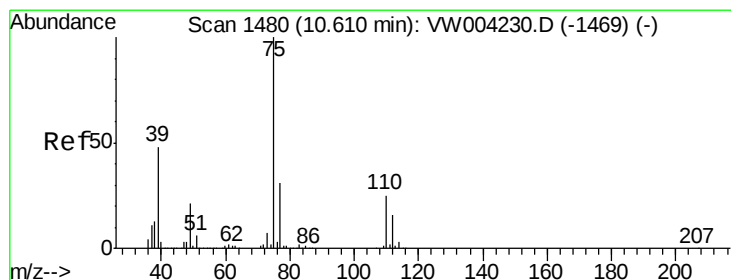
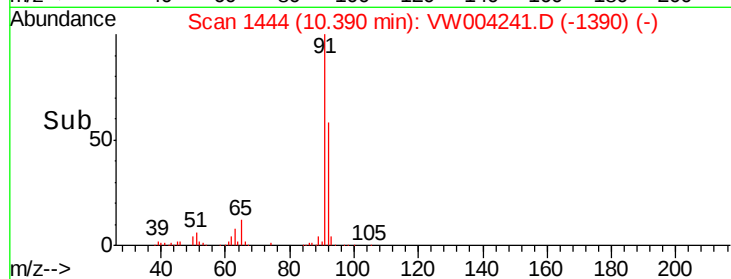
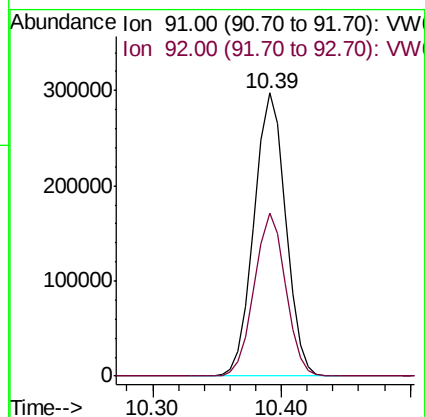
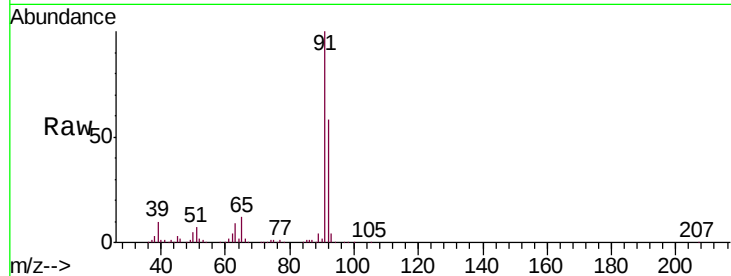
ClientSampleId :

Tot Ion: 91 Resp: 503956

Ion Ratio Lower Upper

91 100

92 57.6 39.9 74.1



#45

trans-1,3-Dichloropropene

Concen: 25.432 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004241.D

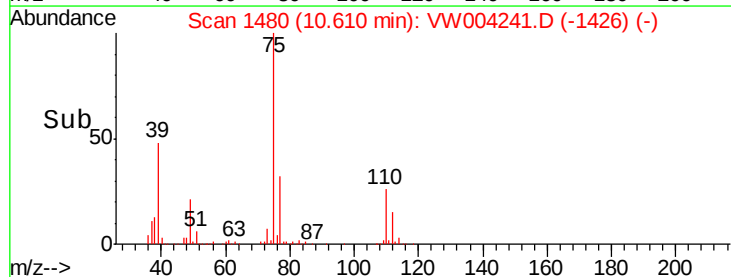
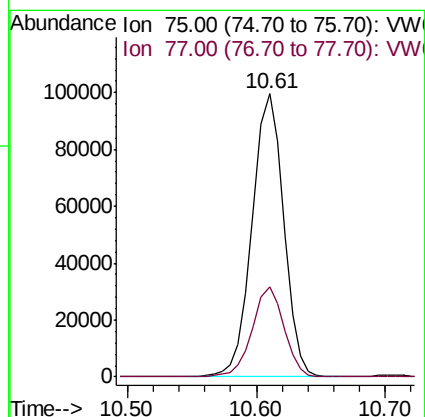
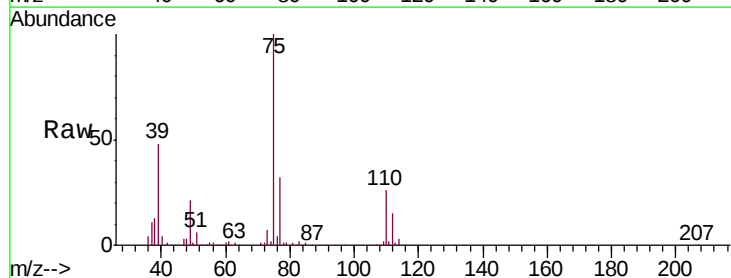
Acq: 26 Jul 2018 21:09

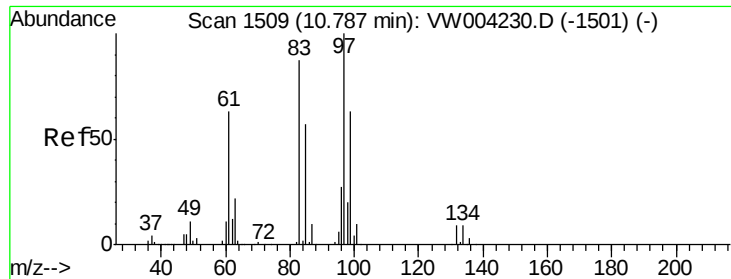
Tgt Ion: 75 Resp: 168418

Ion Ratio Lower Upper

75 100

77 31.9 21.6 40.2

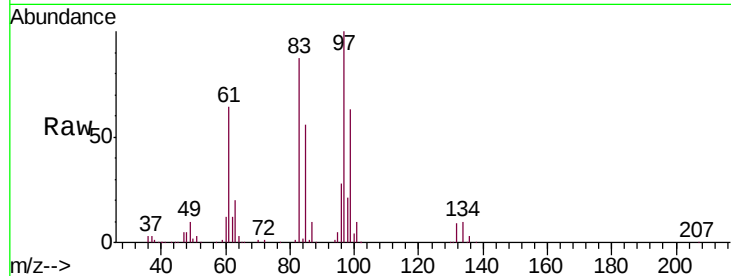




#46
 1,1,2-Trichloroethane
 Concen: 25.731 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.01 min
 Lab File: VW004241.D
 Acq: 26 Jul 2018 21:09

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.0	59.8	111.0
85	56.2	39.3	73.1
99	63.2	43.3	80.5



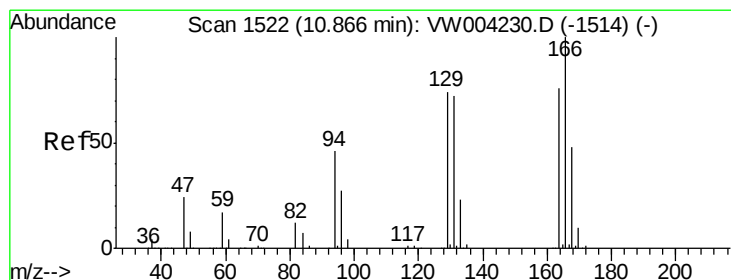
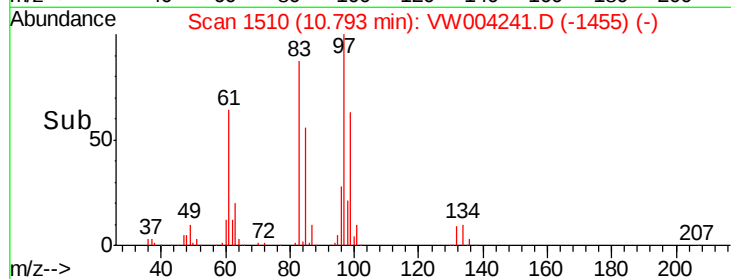
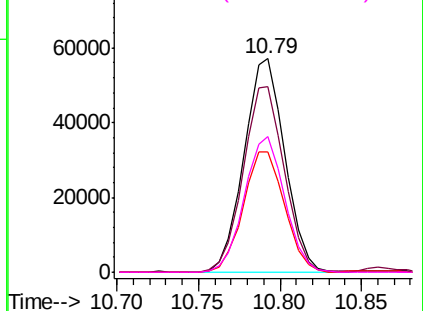
Abundance

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: 24.695 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. -0.00 min
 Lab File: VW004241.D
 Acq: 26 Jul 2018 21:09

Tgt Ion	Ratio	Lower	Upper
164	100		
129	96.9	63.4	117.8
131	91.0	63.1	117.1
166	128.1	87.5	162.5

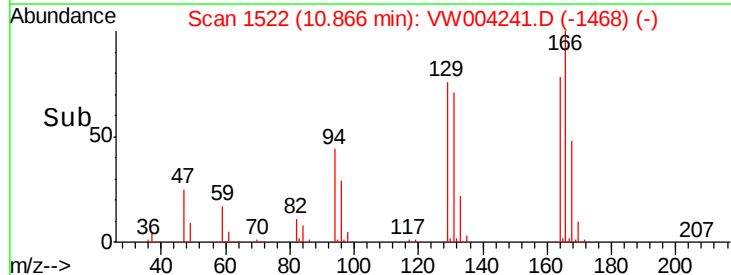
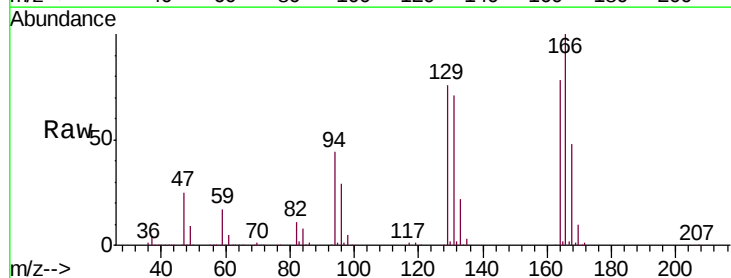
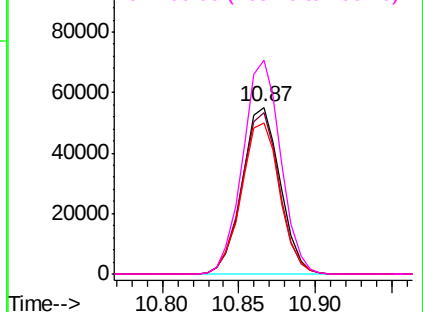
Abundance

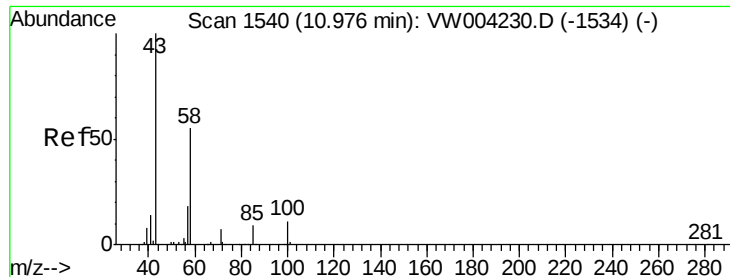
Ion 164.00 (163.70 to 164.70): V

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

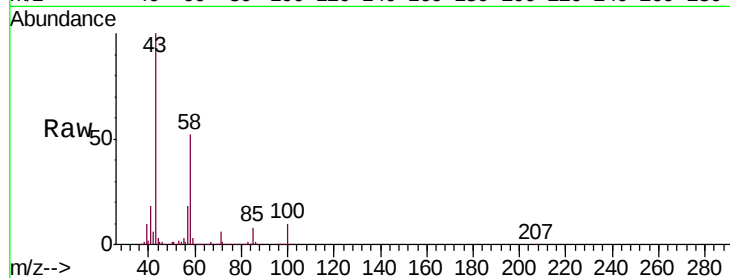




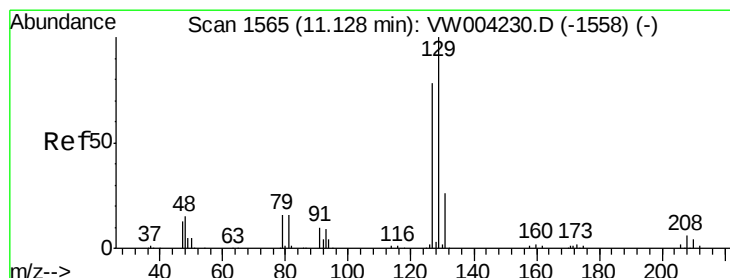
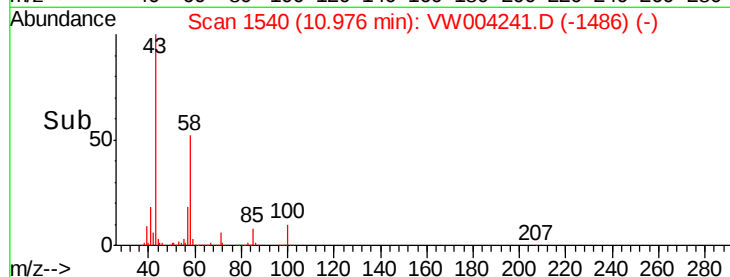
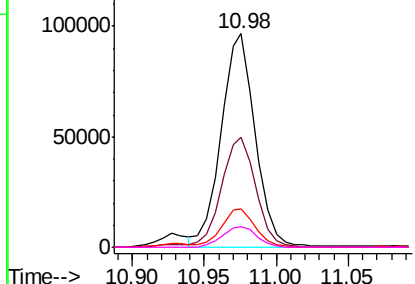
#49
2-Hexanone
Concen: 46.311 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW004241.D
Acq: 26 Jul 2018 21:09

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 160470
Ion Ratio Lower Upper
43 100
58 51.9 39.8 59.8
57 17.5 13.9 20.9
100 10.1 8.0 12.0

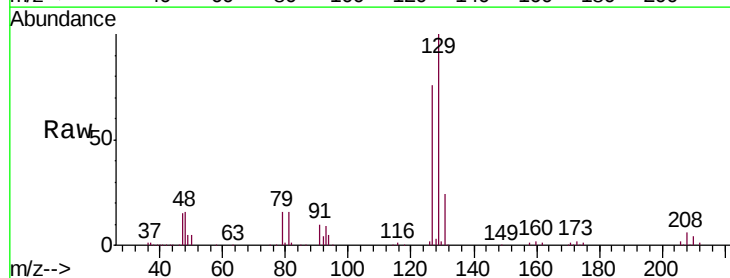


Abundance Ion 43.00 (42.70 to 43.70): VW
150000 Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

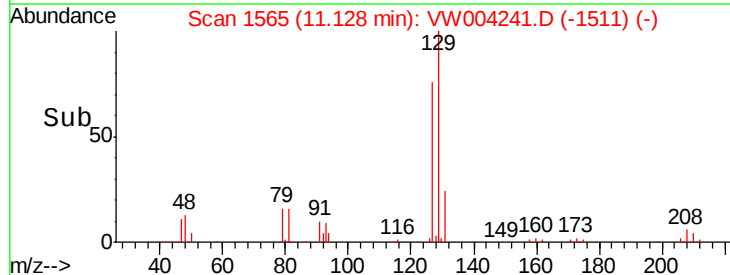
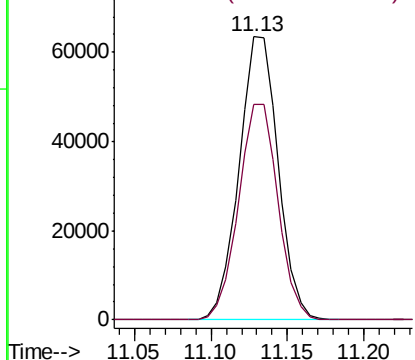


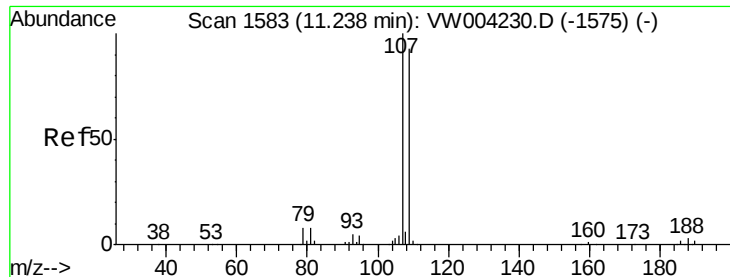
#50
Dibromochloromethane
Concen: 25.651 ug/L
RT: 11.13 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VW004241.D
Acq: 26 Jul 2018 21:09

Tgt Ion: 129 Resp: 112762
Ion Ratio Lower Upper
129 100
127 76.1 52.7 97.9



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

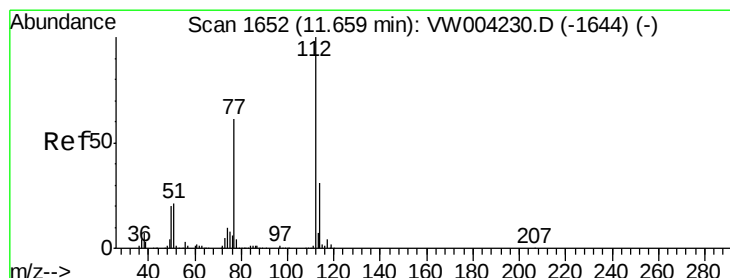
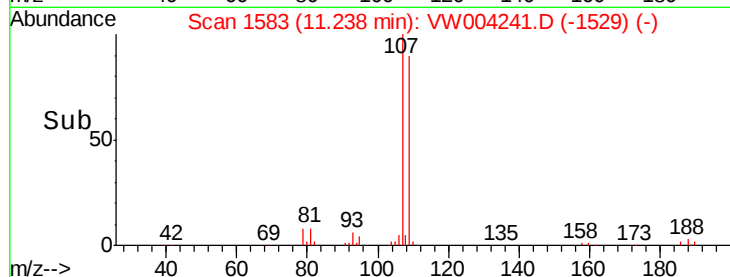
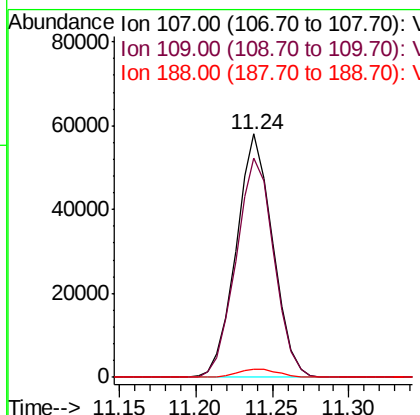
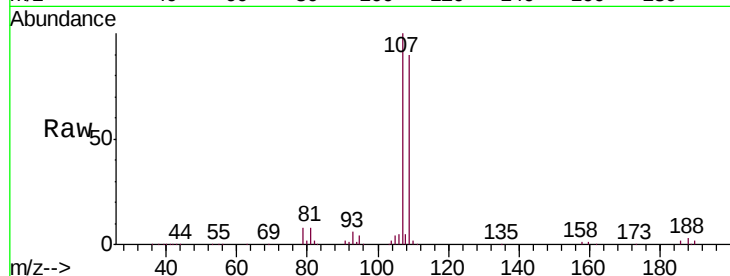




#51
1,2-Dibromoethane
Concen: 25.594 ug/L
RT: 11.24 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VW004241.D
Acq: 26 Jul 2018 21:09

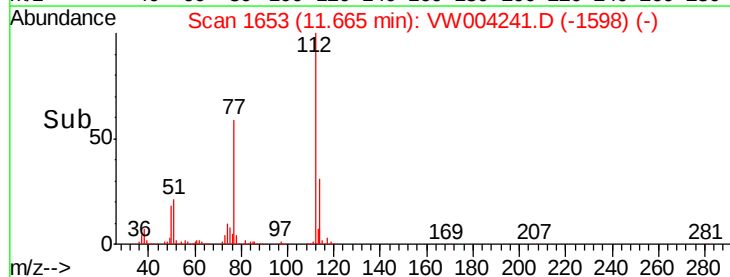
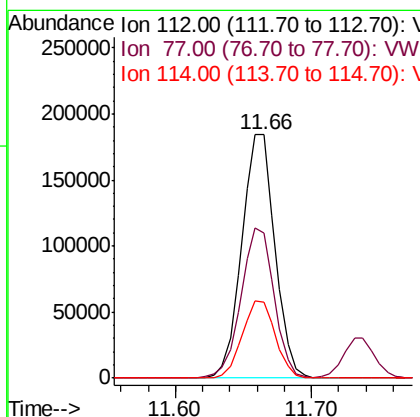
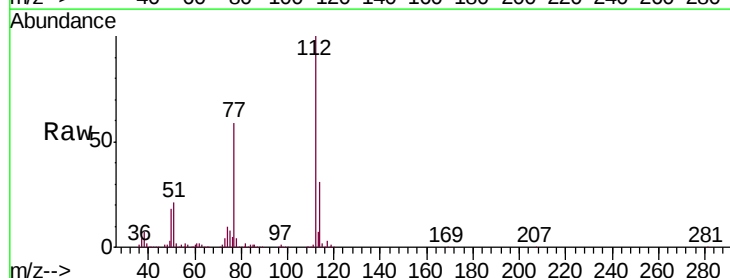
Instrument :
MSVOA_W
ClientSampleId :

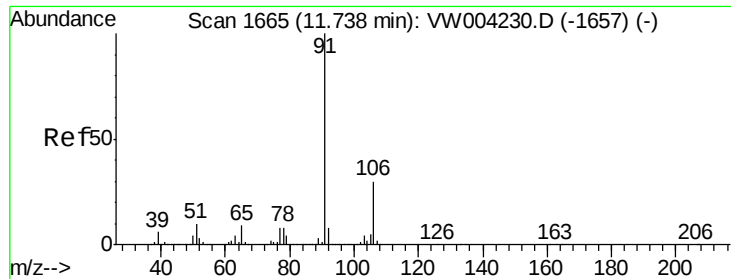
Tot Ion	107	Resp	96182
Ion Ratio	Lower	Upper	
107	100		
109	89.8	61.3	113.9
188	3.2	3.0	4.4



#52
Chlorobenzene
Concen: 25.504 ug/L
RT: 11.66 min Scan# 1653
Delta R.T. 0.01 min
Lab File: VW004241.D
Acq: 26 Jul 2018 21:09

Tgt Ion	112	Resp	314109
Ion Ratio	Lower	Upper	
112	100		
77	59.3	45.2	67.8
114	31.2	22.9	42.5

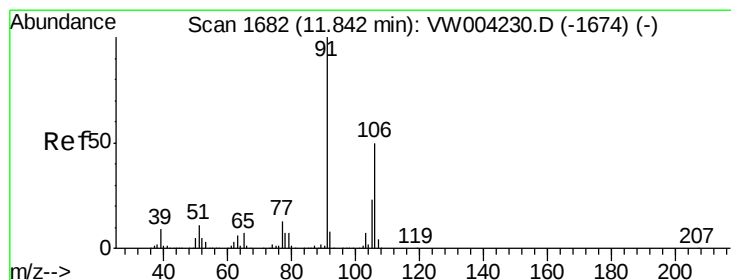
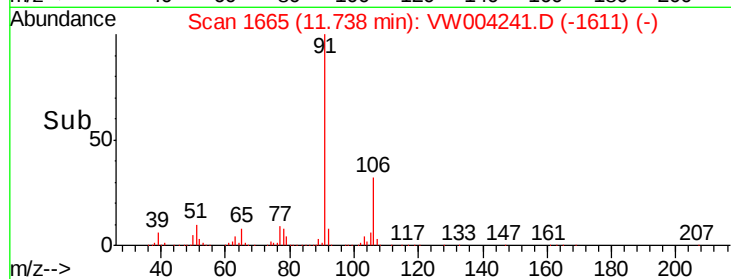
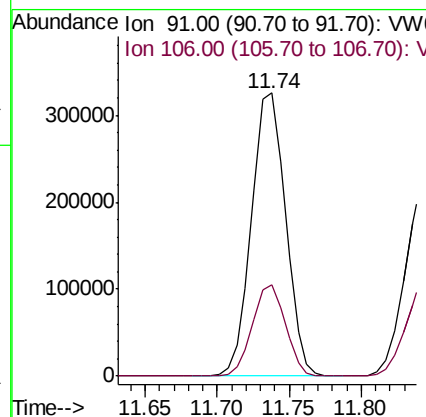
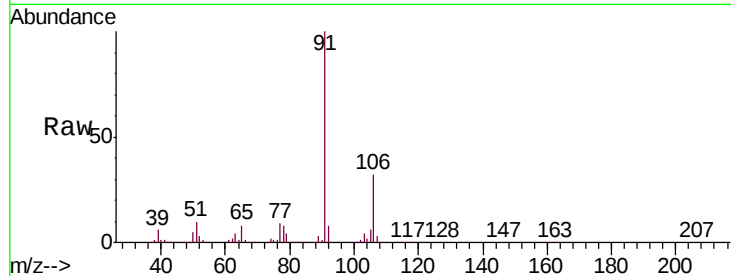




#53
Ethylbenzene
Concen: 25.576 ug/L
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW004241.D
Acq: 26 Jul 2018 21:09

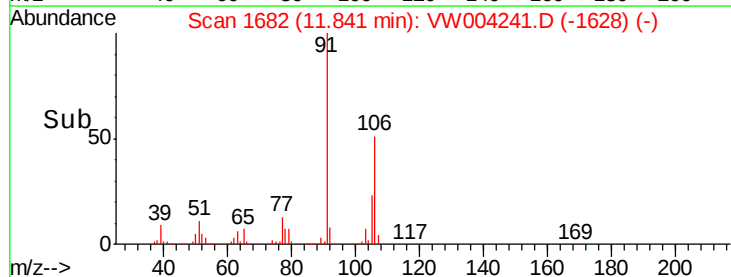
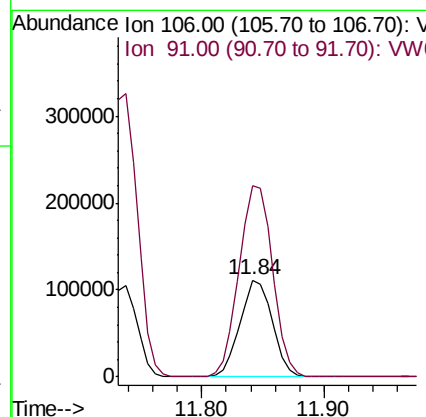
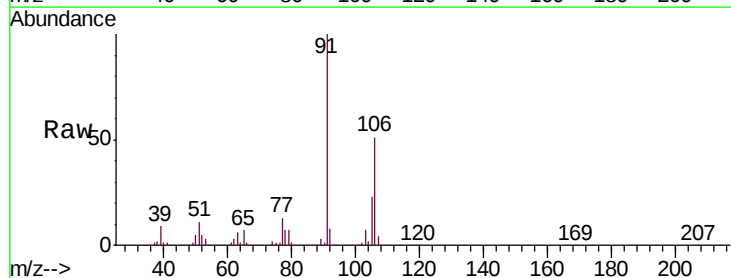
Instrument :
MSVOA_W
ClientSampled :

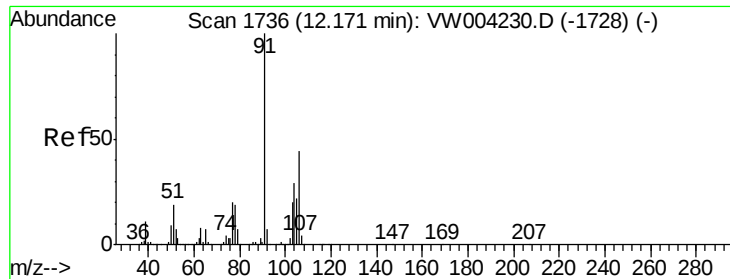
Tot Ion: 91 Resp: 533310
Ion Ratio Lower Upper
91 100
106 32.2 22.0 40.8



#54
m,p-Xylene
Concen: 26.014 ug/L
RT: 11.84 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VW004241.D
Acq: 26 Jul 2018 21:09

Tgt Ion: 106 Resp: 204020
Ion Ratio Lower Upper
106 100
91 197.3 138.8 257.8





#55

o-xylene

Concen: 26.368 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VW004241.D

Acq: 26 Jul 2018 21:09

Instrument :

MSVOA_W

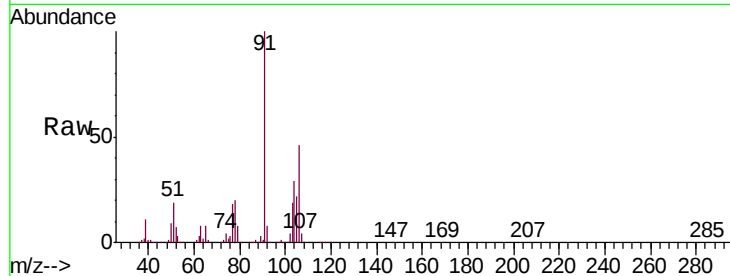
ClientSampled :

Tot Ion:106 Resp: 193559

Ion Ratio Lower Upper

106 100

91 219.0 153.5 285.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

300000

250000

200000

150000

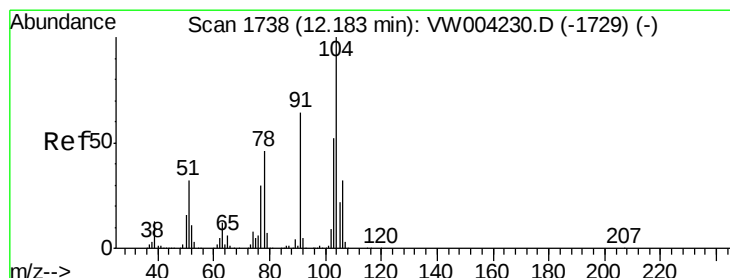
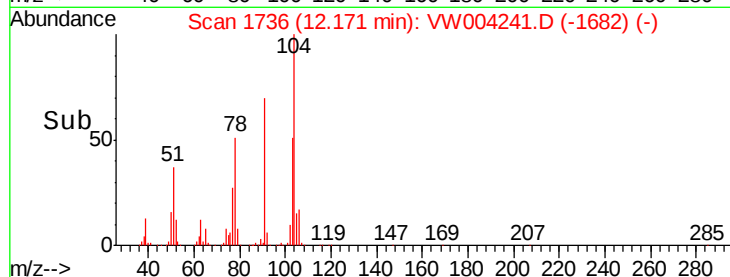
100000

50000

0

12.10 12.15 12.20 12.25

Time-->



#56

Styrene

Concen: 27.973 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. 0.01 min

Lab File: VW004241.D

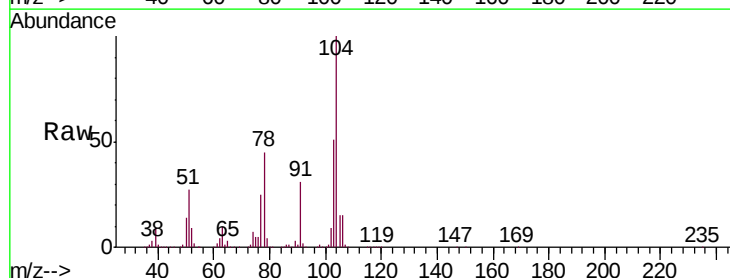
Acq: 26 Jul 2018 21:09

Tgt Ion:104 Resp: 355889

Ion Ratio Lower Upper

104 100

78 45.5 31.7 58.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

250000

200000

150000

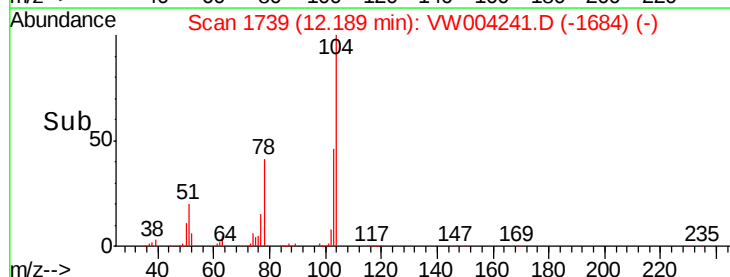
100000

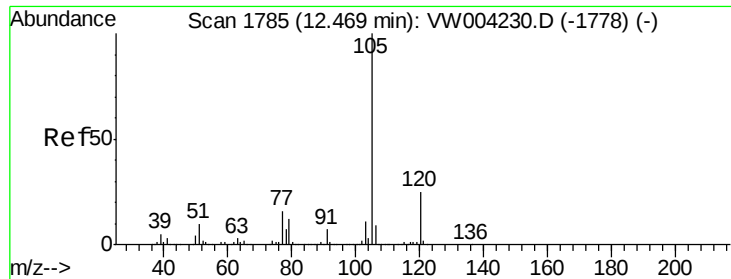
50000

0

12.10 12.20

Time-->





#57

Isopropylbenzene

Concen: 26.389 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004241.D

Acq: 26 Jul 2018 21:09

Instrument :

MSVOA_W

ClientSampleId :

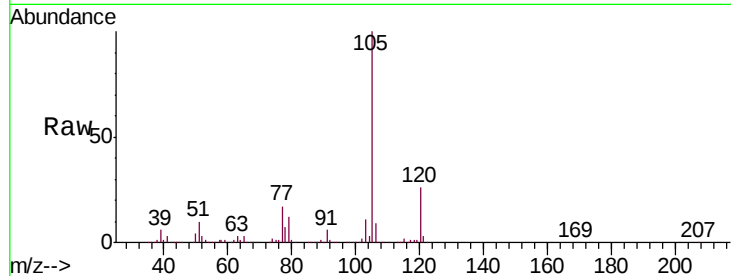
Tot Ion:105 Resp: 526253

Ion Ratio Lower Upper

105 100

120 26.2 21.4 32.0

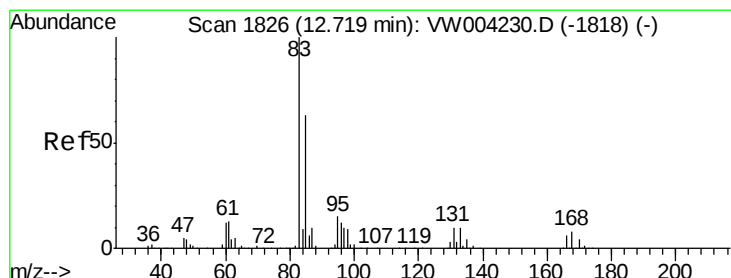
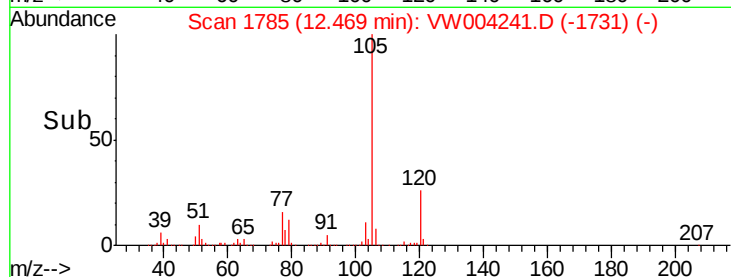
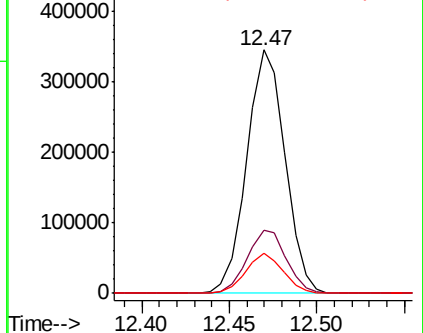
77 16.1 13.1 19.7



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: 24.701 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004241.D

Acq: 26 Jul 2018 21:09

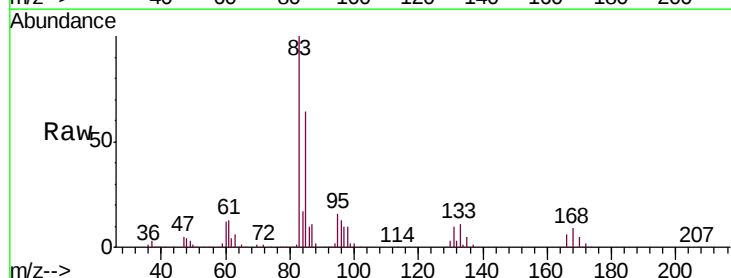
Tgt Ion: 83 Resp: 135721

Ion Ratio Lower Upper

83 100

85 64.2 47.7 88.7

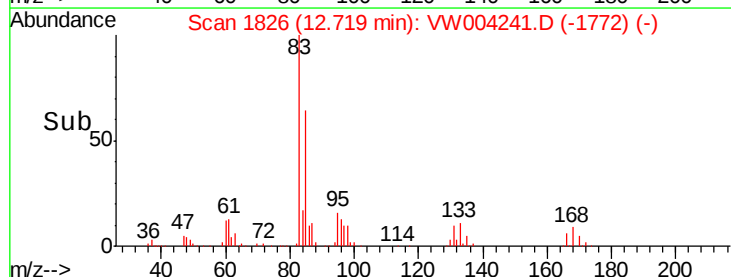
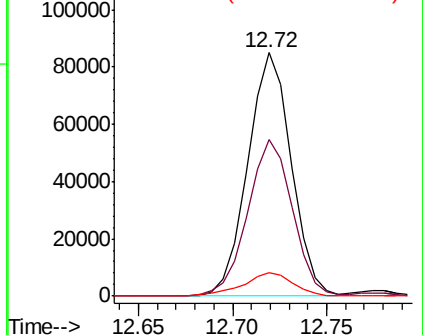
131 9.7 8.8 13.2

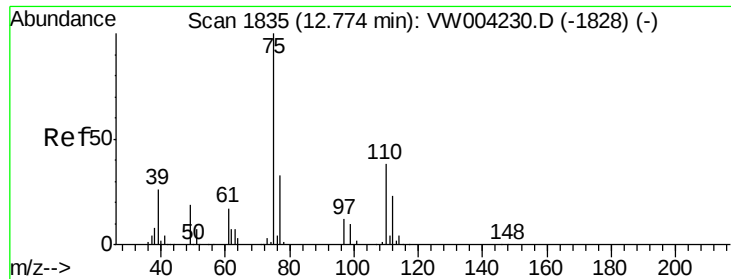


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.405 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW004241.D

Acq: 26 Jul 2018 21:09

Instrument :

MSVOA_W

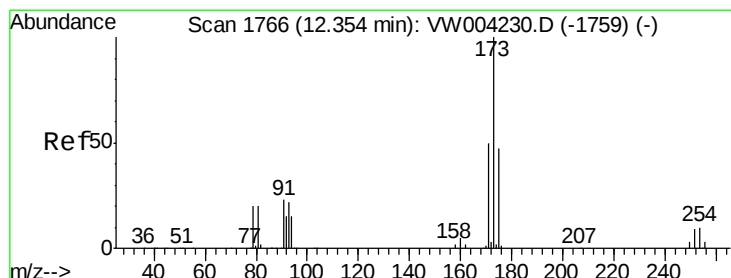
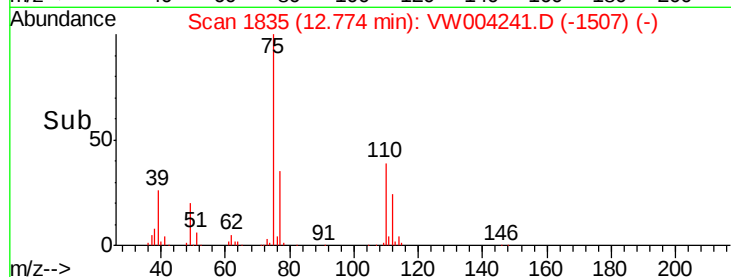
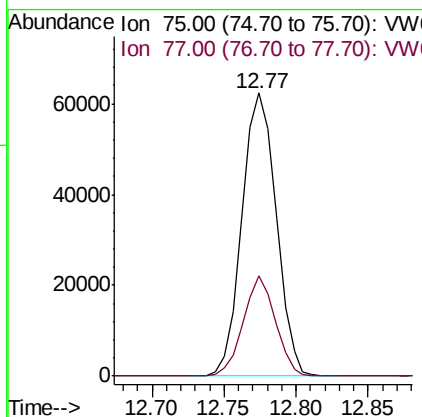
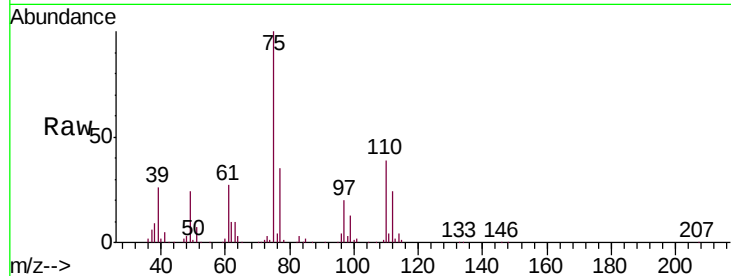
ClientSampleId :

Tot Ion: 75 Resp: 103092

Ion Ratio Lower Upper

75 100

77 33.2 25.2 37.8



#62

Bromoform

Concen: 24.423 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004241.D

Acq: 26 Jul 2018 21:09

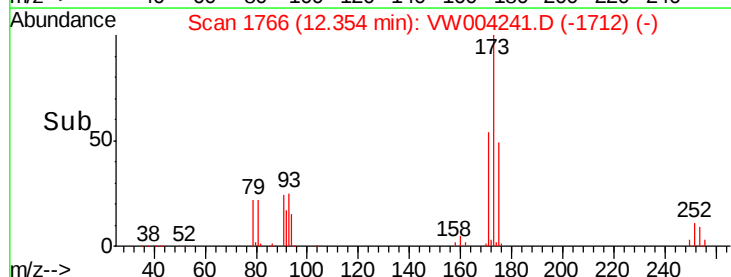
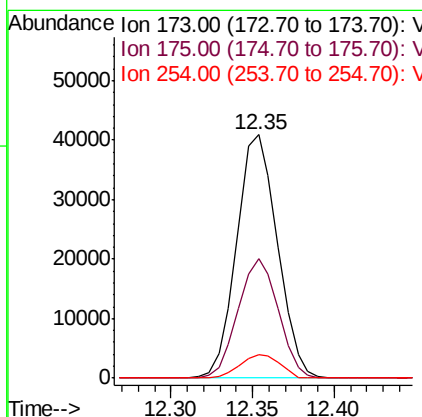
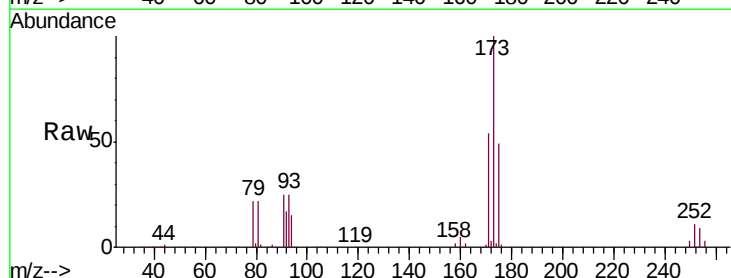
Tgt Ion: 173 Resp: 71339

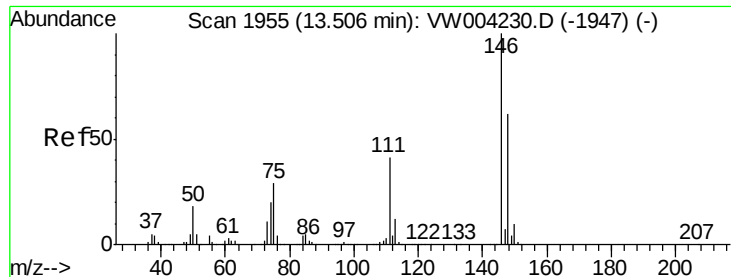
Ion Ratio Lower Upper

173 100

175 48.5 39.1 58.7

254 9.4 7.8 11.6





#63

1,3-Dichlorobenzene

Concen: 24.923 ug/L

RT: 13.51 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW004241.D

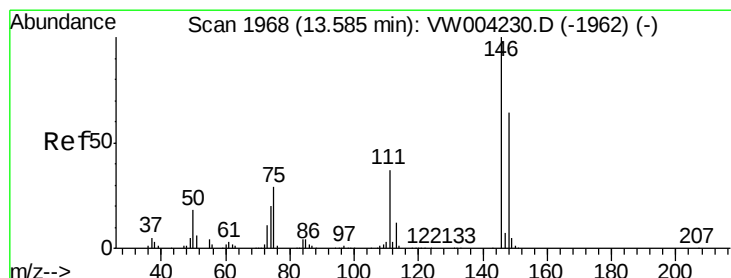
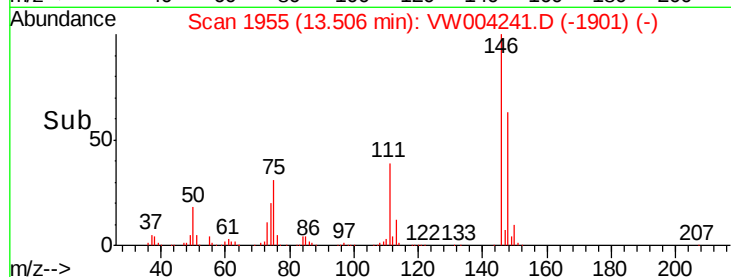
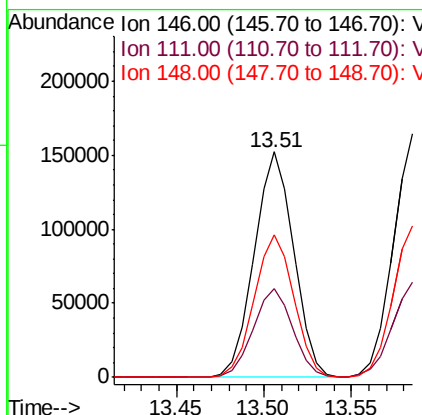
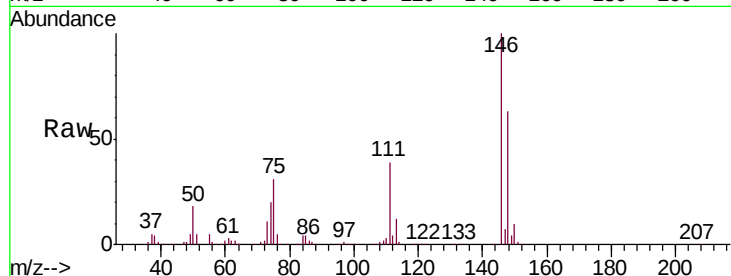
Acq: 26 Jul 2018 21:09

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:	146	Resp:	238591
Ion	Ratio	Lower	Upper
146	100		
111	39.2	29.0	53.8
148	63.3	45.1	83.9



#64

1,4-Dichlorobenzene

Concen: 25.406 ug/L

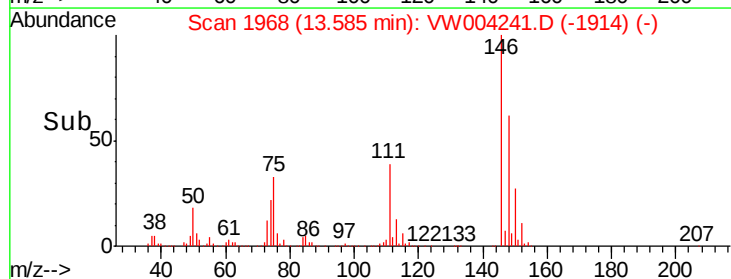
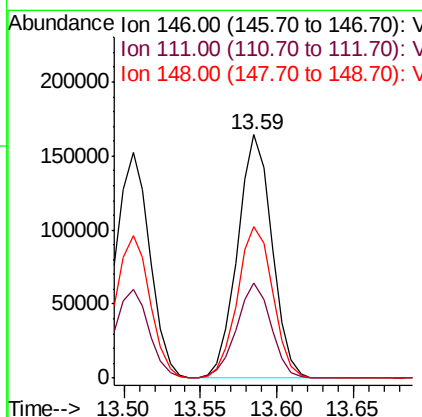
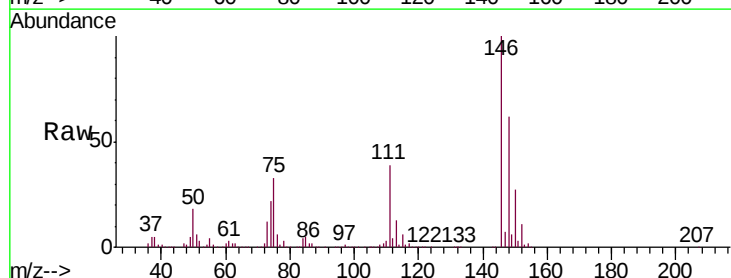
RT: 13.59 min Scan# 1968

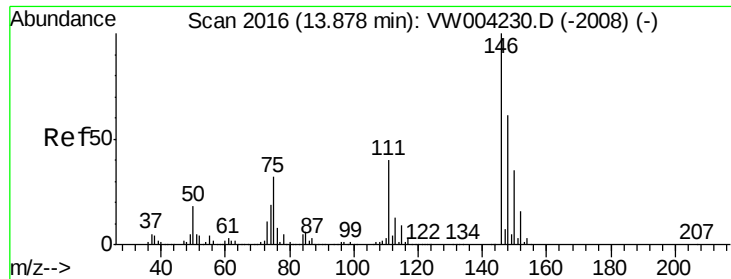
Delta R.T. -0.00 min

Lab File: VW004241.D

Acq: 26 Jul 2018 21:09

Tgt Ion:	146	Resp:	256804
Ion	Ratio	Lower	Upper
146	100		
111	39.0	26.9	50.1
148	62.1	45.2	84.0





#65

1,2-Dichlorobenzene

Concen: 25.670 ug/L

RT: 13.88 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VW004241.D

Acq: 26 Jul 2018 21:09

Instrument :

MSVOA_W

ClientSampleId :

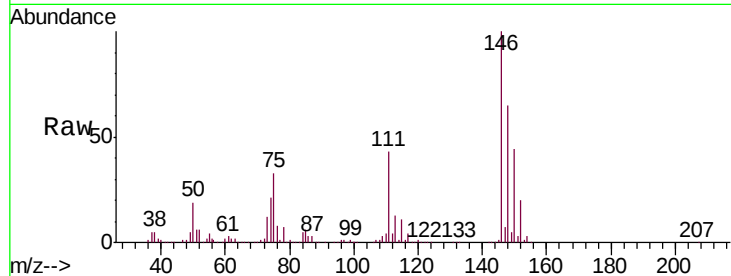
Tot Ion:146 Resp: 239409

Ion Ratio Lower Upper

146 100

111 42.9 31.9 47.9

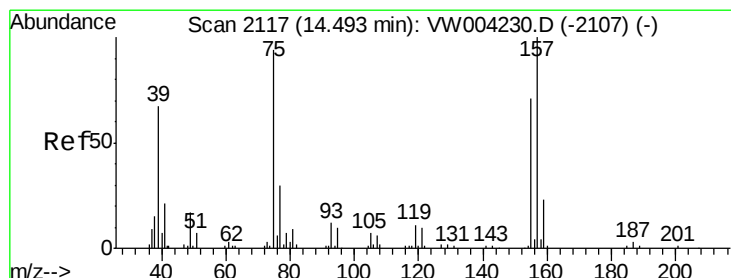
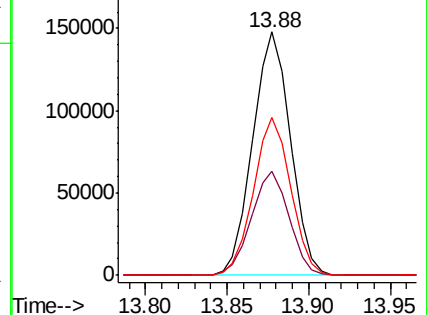
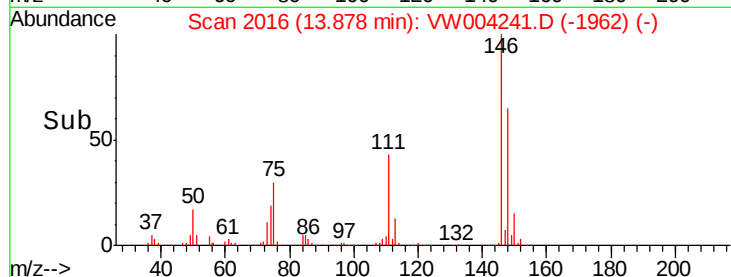
148 64.8 49.8 74.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 22.843 ug/L

RT: 14.49 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VW004241.D

Acq: 26 Jul 2018 21:09

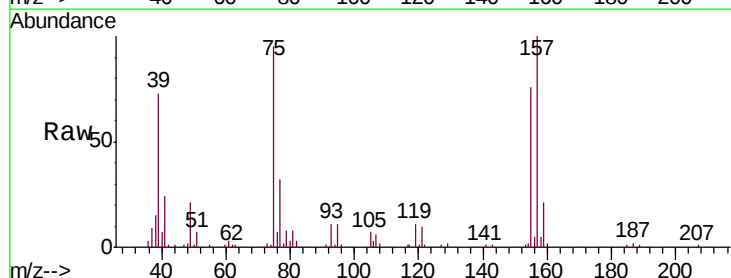
Tgt Ion: 75 Resp: 23926

Ion Ratio Lower Upper

75 100

157 105.6 78.8 118.2

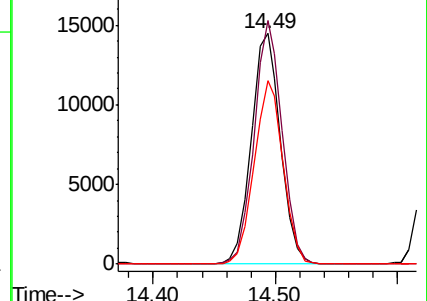
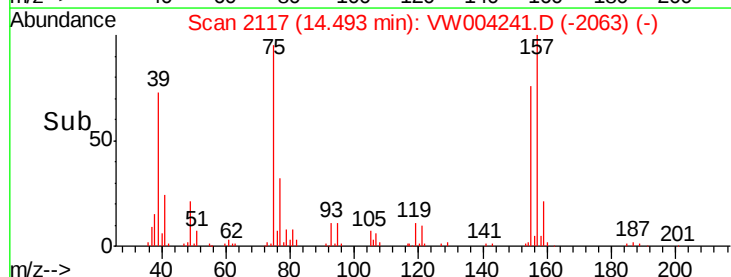
155 79.8 60.2 90.4

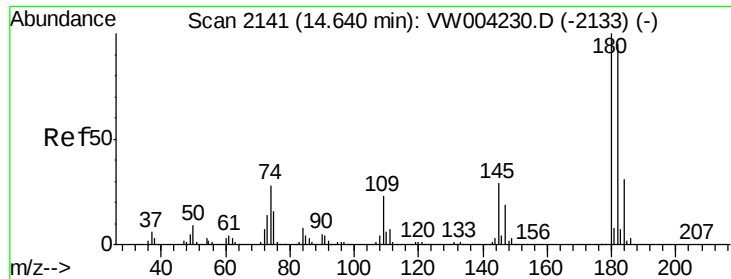


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

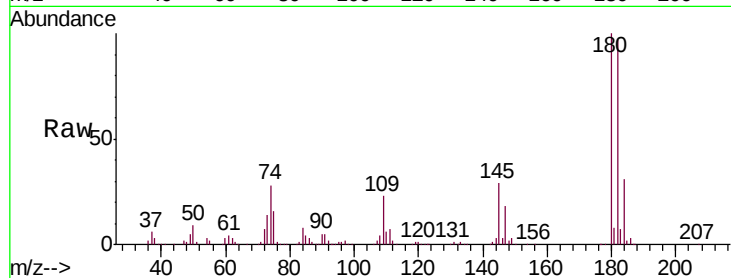




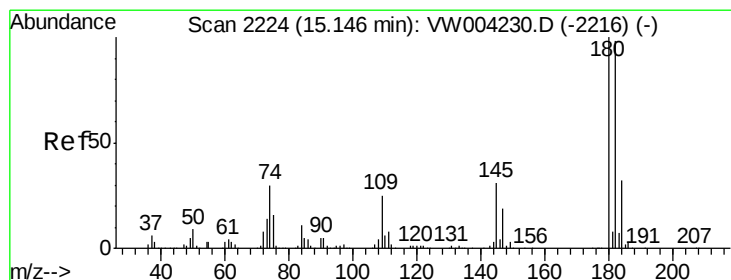
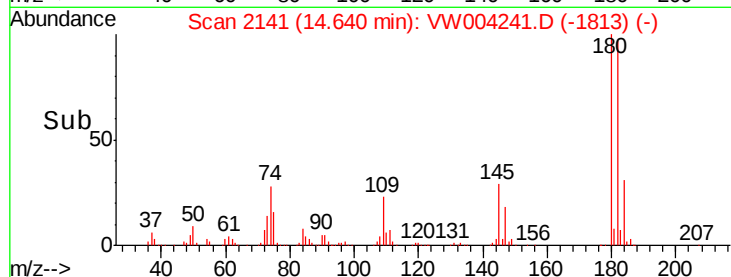
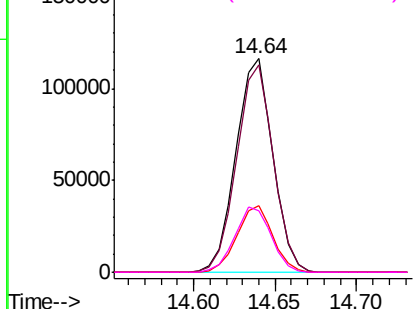
#67
 1,3,5-Trichlorobenzene
 Concen: 24.797 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VW004241.D
 Acq: 26 Jul 2018 21:09

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180 Resp: 183624
 Ion Ratio Lower Upper
 180 100
 182 95.9 77.4 116.2
 184 30.3 23.8 35.8
 145 30.0 23.8 35.6

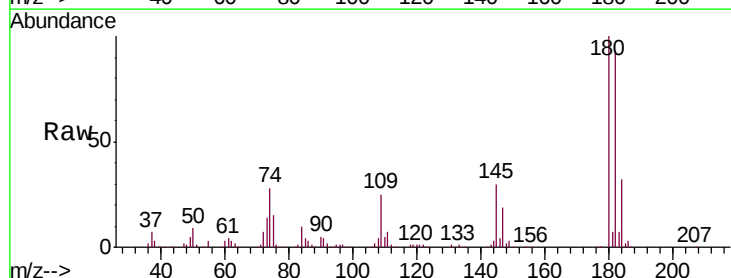


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

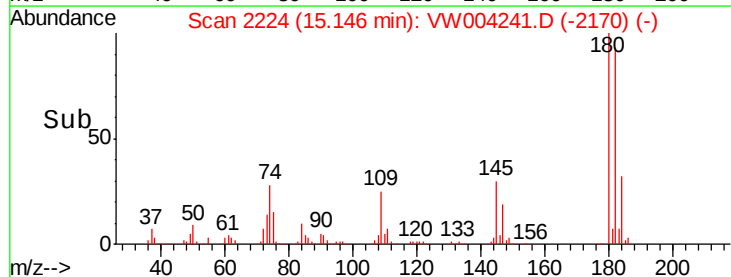
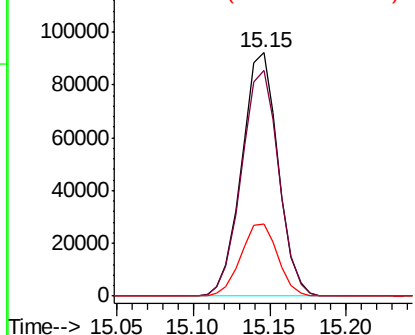


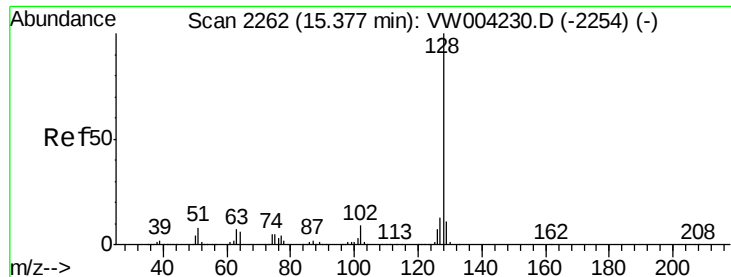
#68
 1,2,4-trichlorobenzene
 Concen: 25.254 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW004241.D
 Acq: 26 Jul 2018 21:09

Tgt Ion:180 Resp: 152513
 Ion Ratio Lower Upper
 180 100
 182 94.9 76.2 114.2
 145 30.1 24.1 36.1



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





#69

Naphthalene

Concen: 24.909 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW004241.D

Acq: 26 Jul 2018 21:09

Instrument :

MSVOA_W

ClientSampled :

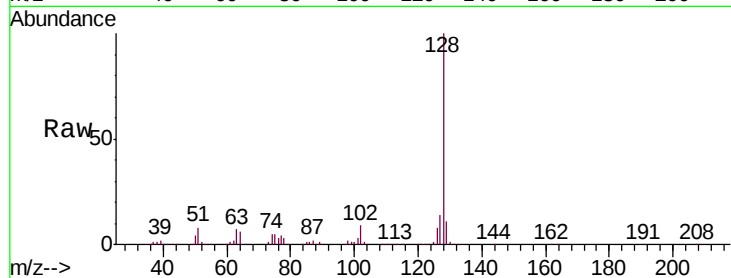
Tot Ion:128 Resp: 345651

Ion Ratio Lower Upper

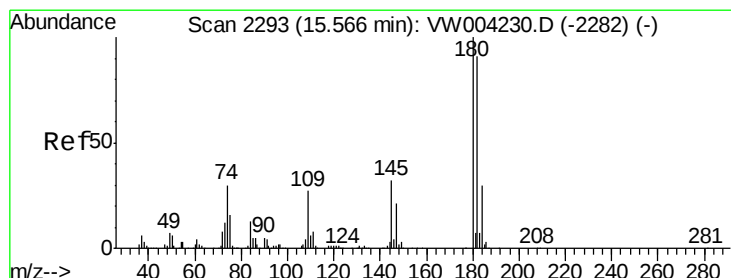
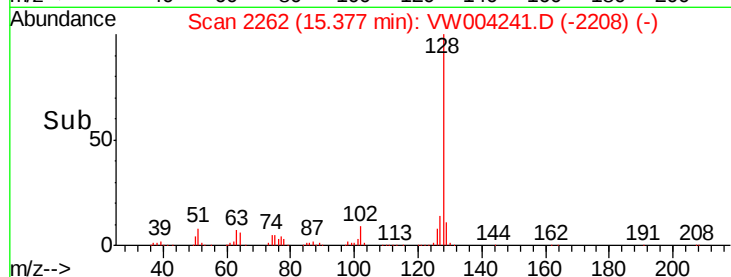
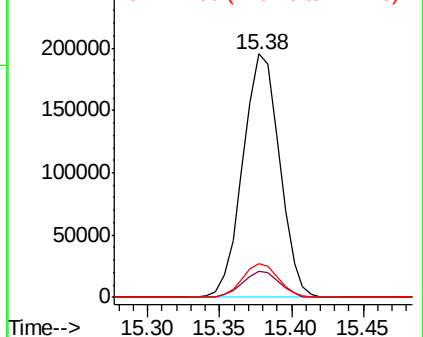
128 100

129 10.9 8.8 13.2

127 13.7 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: 26.192 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW004241.D

Acq: 26 Jul 2018 21:09

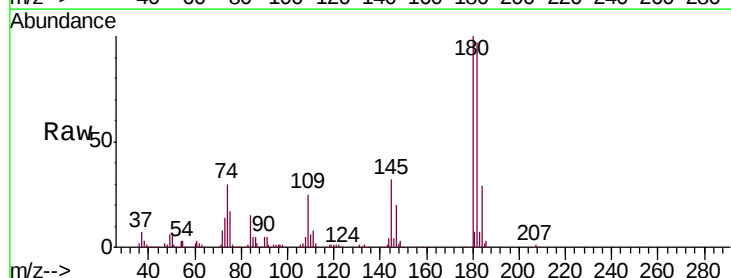
Tgt Ion:180 Resp: 153022

Ion Ratio Lower Upper

180 100

182 94.3 76.2 114.4

145 32.1 25.2 37.8



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

