

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082318\
 Data File : VW004908.D
 Acq On : 23 Aug 2018 20:24
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 24 05:03:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082218S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 24 05:01:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	646608	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	646809	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	335465	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	265306	21.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.84%
7) Chloroethane-d5	2.89	69	197067	21.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.00%
10) 1,1-Dichloroethene-d2	4.03	63	359133	23.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.04%
20) 2-Butanone-d5	7.09	46	134180	53.94	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.88%
24) Chloroform-d	7.65	84	341318	23.78	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.12%
26) 1,2-Dichloroethane-d4	8.31	65	186720	23.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.76%
29) Benzene-d6	8.28	84	847790	25.48	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.92%
33) 1,2-Dichloropropane-d6	9.28	67	248282	25.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.60%
37) Toluene-d8	10.33	98	886783	25.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.64%
38) trans-1,3-Dichloropropene-	10.59	79	104930	24.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.80%
39) 2-Hexanone-d5	10.93	63	140996	58.22	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.44%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	259632	26.43	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.72%
61) 1,2-Dichlorobenzene-d4	13.86	152	329593	24.46	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.84%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.00	85	293449	24.126	ug/L	100
3) Chloromethane	2.21	50	329602	23.911	ug/L	99
5) Vinyl chloride	2.36	62	336470	24.100	ug/L	98
6) Bromomethane	2.78	94	181454	24.810	ug/L	100
8) Chloroethane	2.92	64	184934	23.703	ug/L	100
9) Trichlorofluoromethane	3.26	101	348201	24.646	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	211945	25.079	ug/L	99
12) 1,1-Dichloroethene	4.05	96	186361	24.756	ug/L	92
13) Acetone	4.15	43	90758	47.107	ug/L	100
14) Carbon disulfide	4.39	76	749596	24.031	ug/L	99
15) Methyl Acetate	4.69	43	116715	26.791	ug/L	99
16) Methylene chloride	4.93	84	264415	21.088	ug/L	94
17) Methyl tert-butyl Ether	5.43	73	434790	26.739	ug/L	100
18) trans-1,2-Dichloroethene	5.43	96	196153	25.023	ug/L	94
19) 1,1-Dichloroethane	6.23	63	352161	24.611	ug/L	95
21) 2-Butanone	7.18	43	153537	51.753	ug/L	100
22) cis-1,2-Dichloroethene	7.18	96	208162	24.608	ug/L	98

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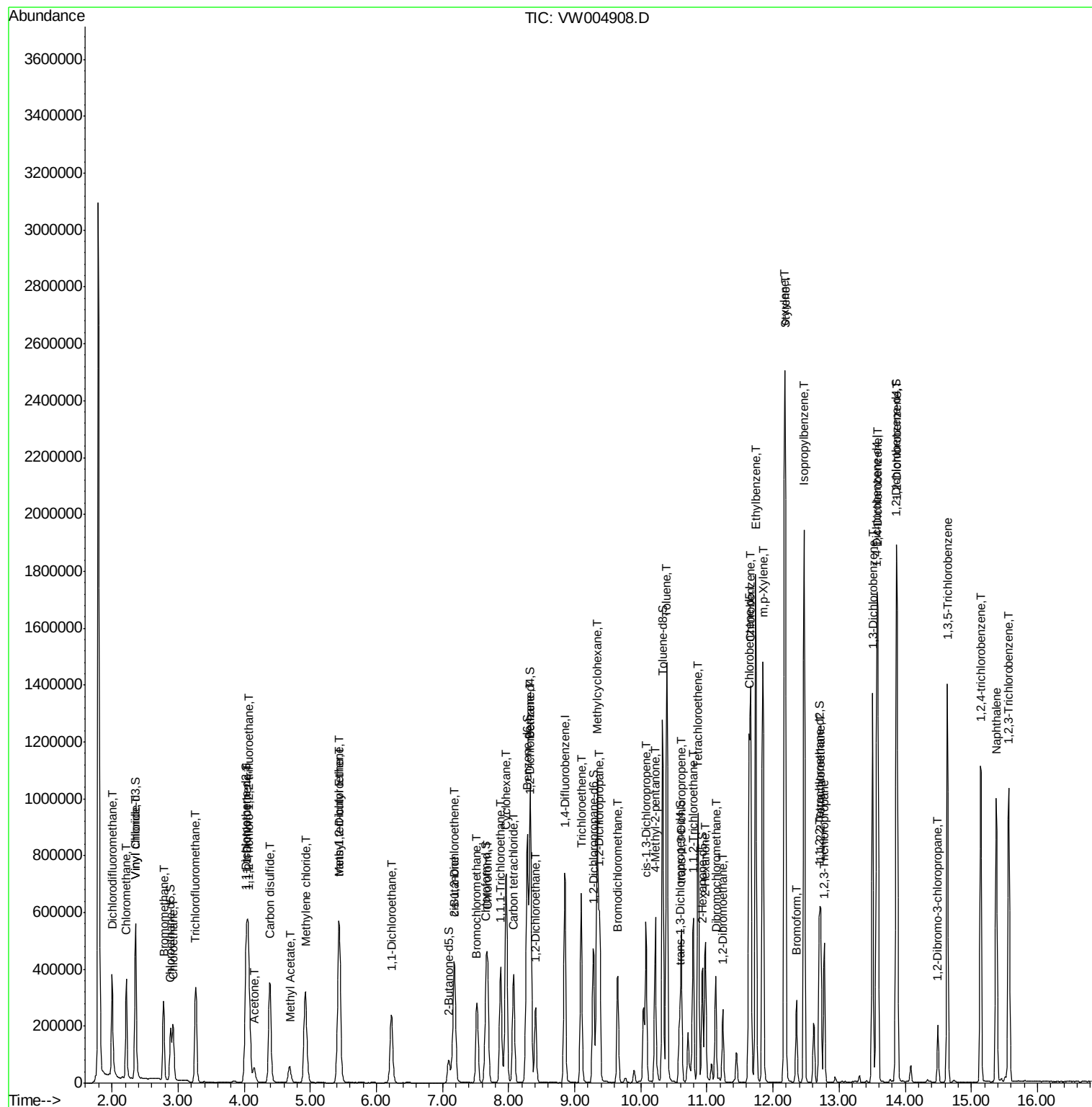
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.53	128	109571	24.531	ug/L	97
25) Chloroform	7.68	83	350369	24.430	ug/L	100
27) 1,2-Dichloroethane	8.41	62	233340	24.823	ug/L	98
30) Cyclohexane	7.96	56	382002	27.744	ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	330014	26.490	ug/L	99
32) Carbon tetrachloride	8.07	117	297860	26.730	ug/L	97
34) Benzene	8.33	78	967607	26.237	ug/L	100
35) Trichloroethene	9.10	95	239449	26.111	ug/L	99
36) Methylcyclohexane	9.34	83	434423	25.611	ug/L	99
40) 1,2-Dichloropropane	9.38	63	237657	26.197	ug/L	99
41) Bromodichloromethane	9.65	83	261508	26.160	ug/L	98
42) cis-1,3-Dichloropropene	10.08	75	332940	26.438	ug/L	100
43) 4-Methyl-2-pentanone	10.22	43	386990	57.785	ug/L	99
44) Toluene	10.40	91	1143319	25.815	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	298385	26.125	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	184515	26.057	ug/L	98
47) Tetrachloroethene	10.87	164	232905	25.942	ug/L	97
49) 2-Hexanone	10.98	43	303522	58.648	ug/L	99
50) Dibromochloromethane	11.13	129	206533	26.271	ug/L	100
51) 1,2-Dibromoethane	11.24	107	180822	26.013	ug/L	97
52) Chlorobenzene	11.66	112	739364	25.130	ug/L	100
53) Ethylbenzene	11.74	91	1285333	25.791	ug/L	100
54) m,p-Xylene	11.85	106	497873	25.751	ug/L	100
55) o-xylene	12.17	106	470067	26.021	ug/L	100
56) Styrene	12.19	104	816583	26.309	ug/L	99
57) Isopropylbenzene	12.47	105	1266583	26.249	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	272130	26.964	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	210516	27.070	ug/L	99
62) Bromoform	12.35	173	138754	26.087	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	578880	25.047	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	603664	24.948	ug/L	97
65) 1,2-Dichlorobenzene	13.88	146	564006	25.469	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	50356	26.814	ug/L	96
67) 1,3,5-Trichlorobenzene	14.64	180	470400	25.436	ug/L	100
68) 1,2,4-trichlorobenzene	15.15	180	389205	26.066	ug/L	99
69) Naphthalene	15.38	128	872821	28.758	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	381436	27.121	ug/L	100

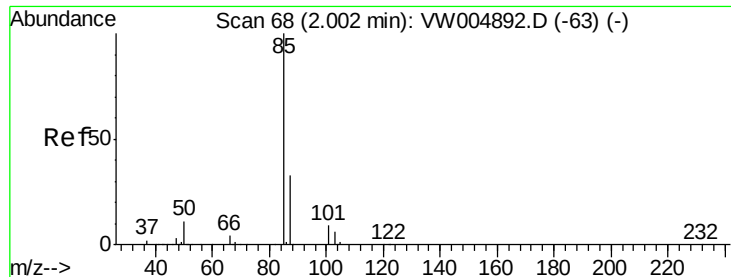
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.126 ug/L

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW004908.D

Acq: 23 Aug 2018 20:24

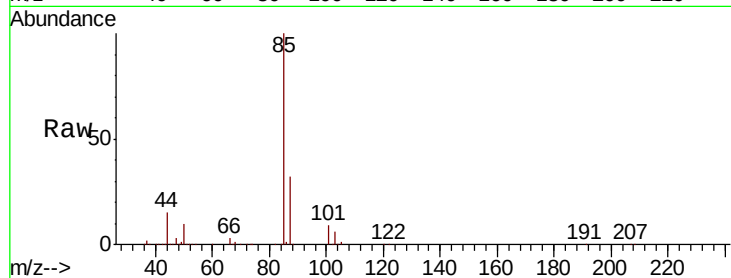
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 85 Resp: 293449

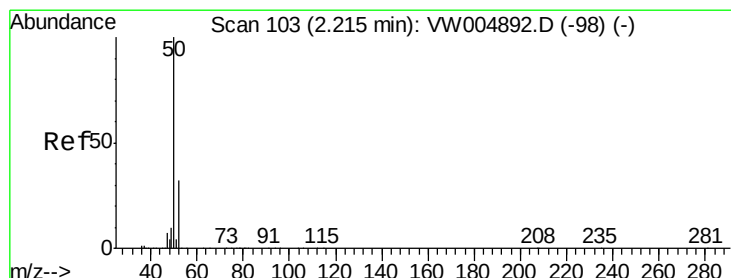
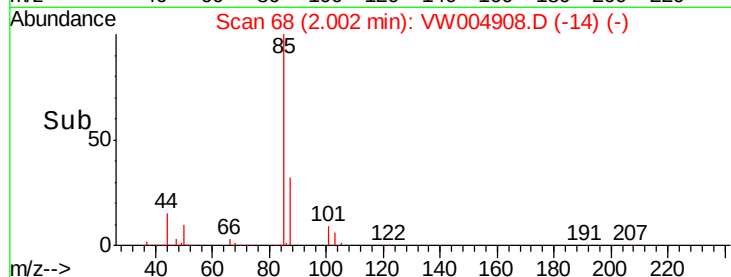
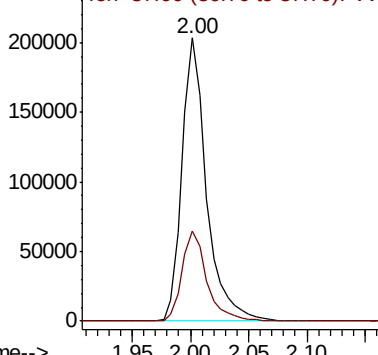
Ion Ratio Lower Upper

85 100

87 32.3 22.6 42.0



Abundance Ion 85.00 (84.70 to 85.70): VW
Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 23.911 ug/L

RT: 2.21 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW004908.D

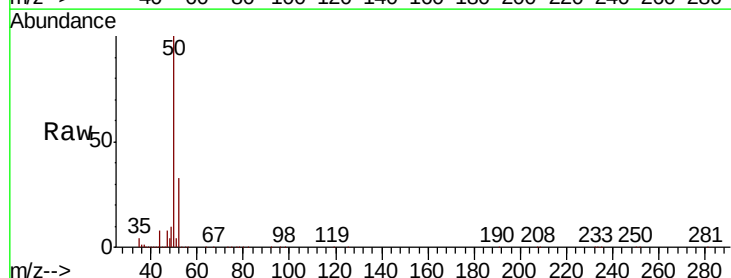
Acq: 23 Aug 2018 20:24

Tgt Ion: 50 Resp: 329602

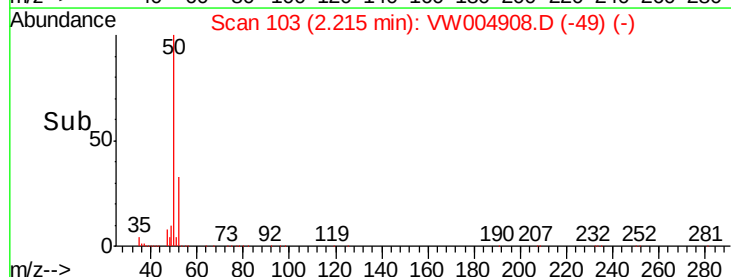
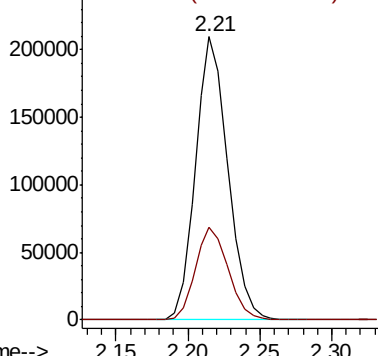
Ion Ratio Lower Upper

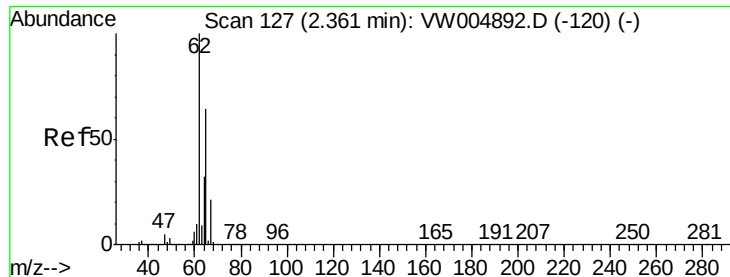
50 100

52 32.6 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VW
Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 24.100 ug/L

RT: 2.36 min Scan# 127

Delta R.T. 0.00 min

Lab File: VW004908.D

Acq: 23 Aug 2018 20:24

Instrument :

MSVOA_W

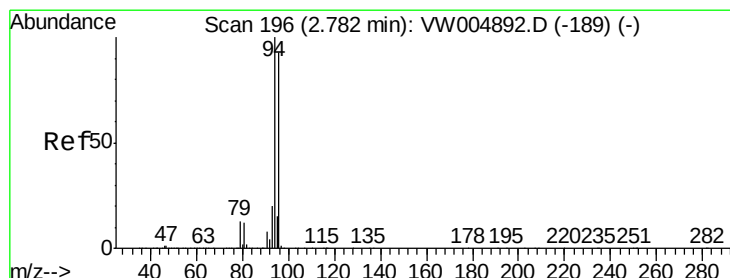
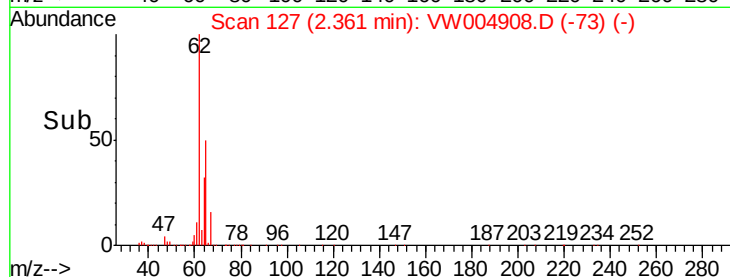
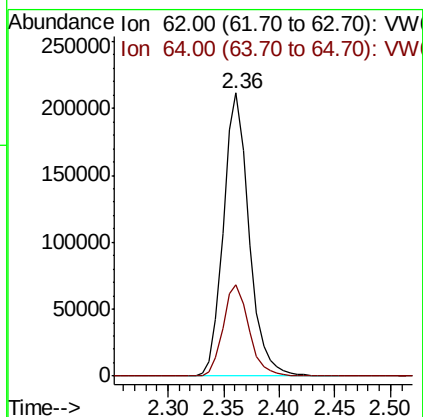
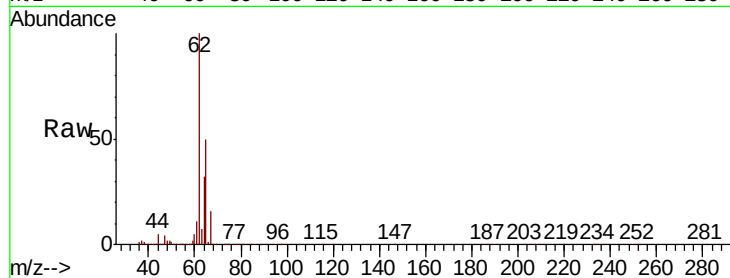
ClientSampled :

Tot Ion: 62 Resp: 336470

Ion Ratio Lower Upper

62 100

64 32.3 23.3 43.3



#6

Bromomethane

Concen: 24.810 ug/L

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW004908.D

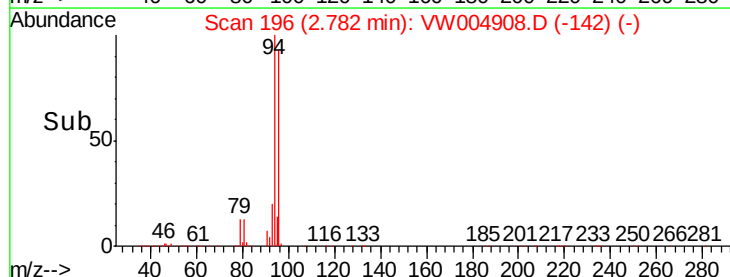
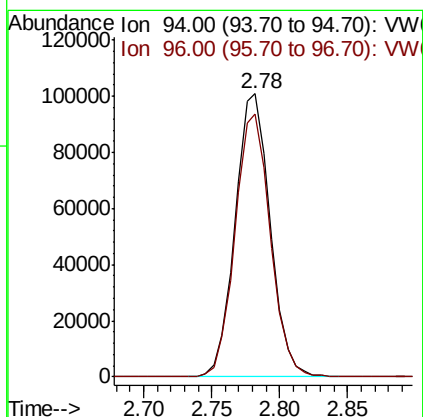
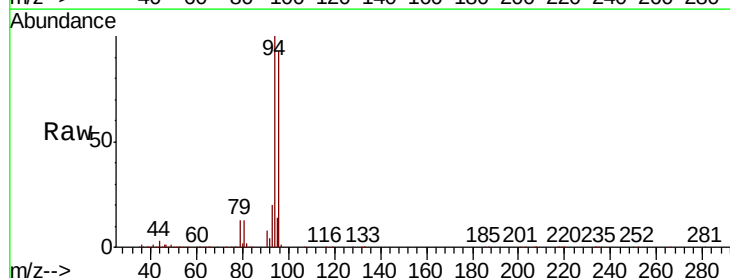
Acq: 23 Aug 2018 20:24

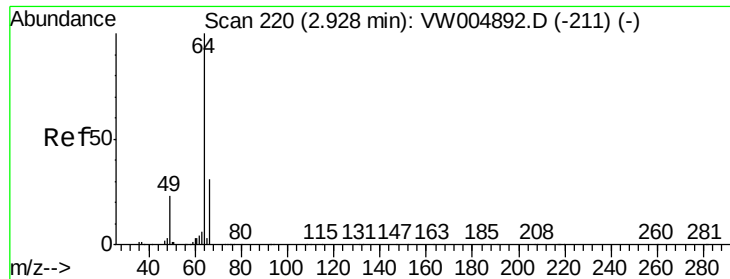
Tgt Ion: 94 Resp: 181454

Ion Ratio Lower Upper

94 100

96 93.4 9.3 177.7





#8

Chloroethane

Concen: 23.703 ug/L

RT: 2.92 min Scan# 219

Delta R.T. -0.01 min

Lab File: VW004908.D

Acq: 23 Aug 2018 20:24

Instrument :

MSVOA_W

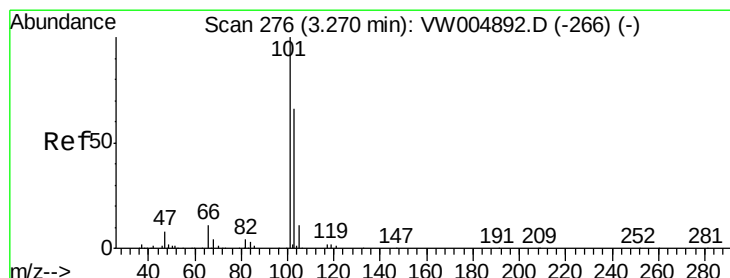
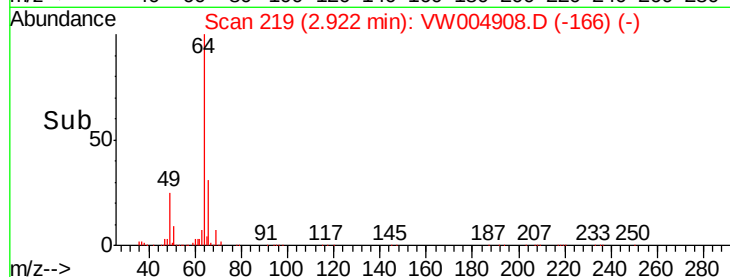
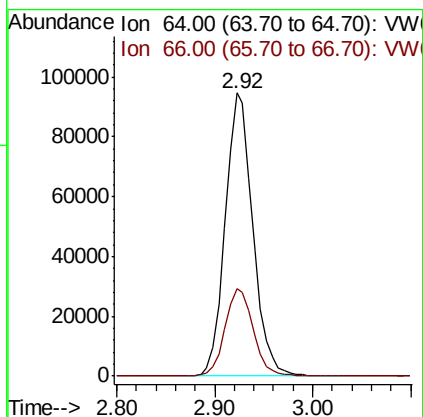
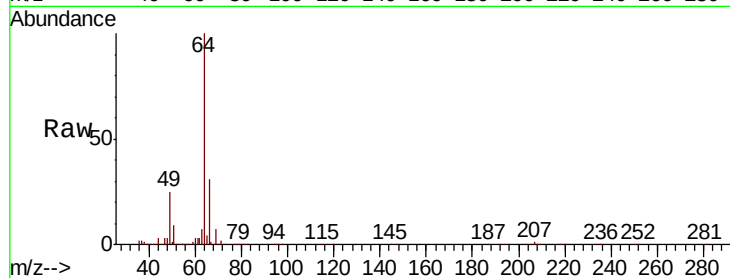
ClientSampleId :

Tot Ion: 64 Resp: 184934

Ion Ratio Lower Upper

64 100

66 30.9 21.5 39.9



#9

Trichlorofluoromethane

Concen: 24.646 ug/L

RT: 3.26 min Scan# 275

Delta R.T. -0.01 min

Lab File: VW004908.D

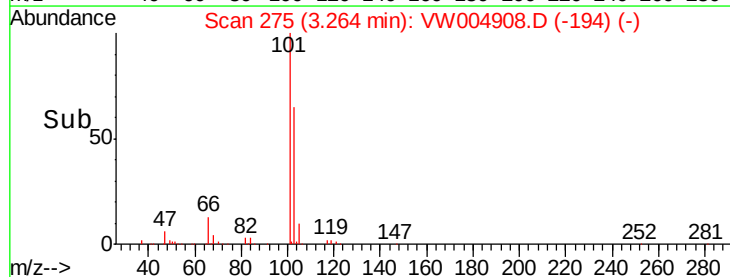
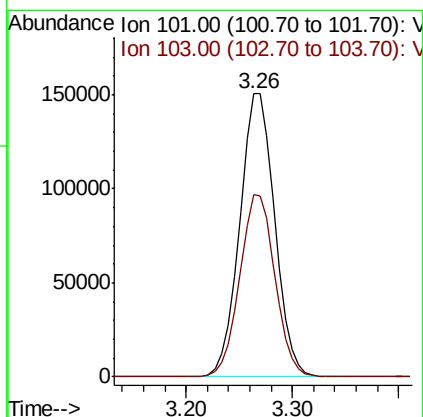
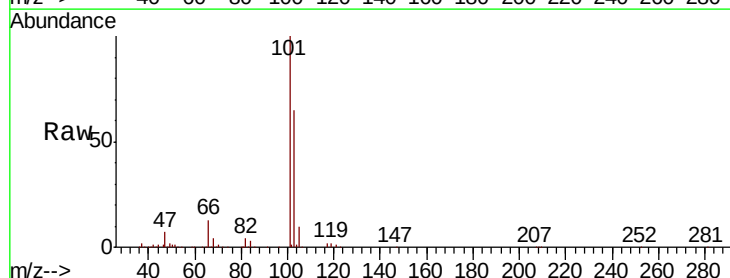
Acq: 23 Aug 2018 20:24

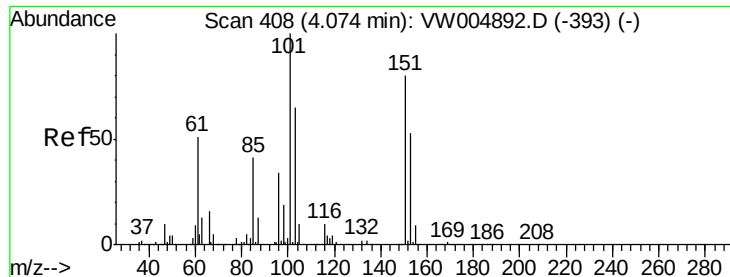
Tgt Ion: 101 Resp: 348201

Ion Ratio Lower Upper

101 100

103 64.7 45.1 83.7





#11

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

Concen: 25.079 ug/L

RT: 4.07 min Scan# 407

Delta R.T. -0.01 min

Lab File: VW004908.D

Acq: 23 Aug 2018 20:24

Instrument :

MSVOA_W

ClientSampleId :

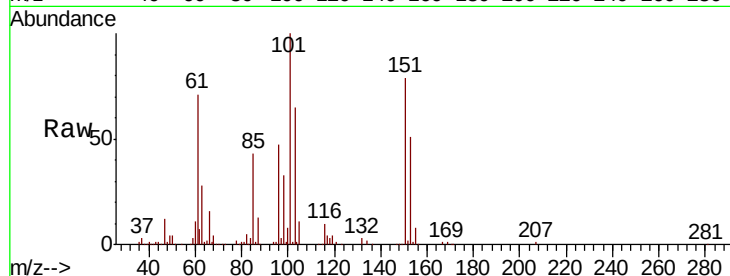
Tot Ion:101 Resp: 211945

Ion Ratio Lower Upper

101 100

85 42.0 34.2 51.2

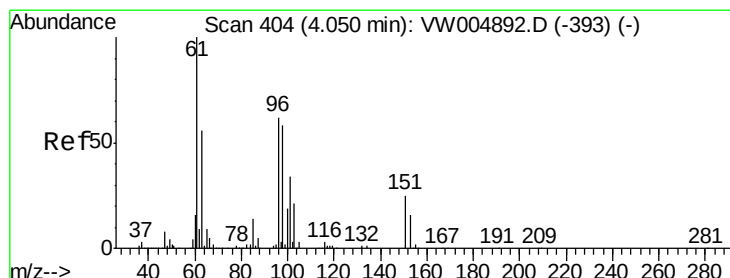
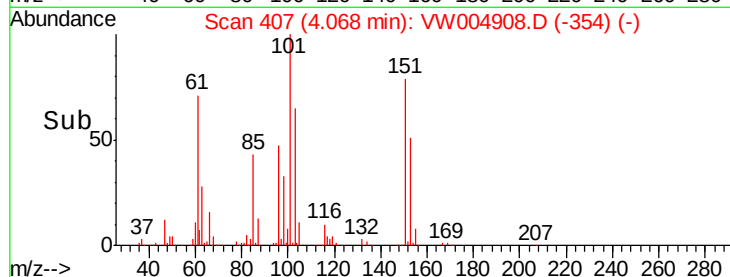
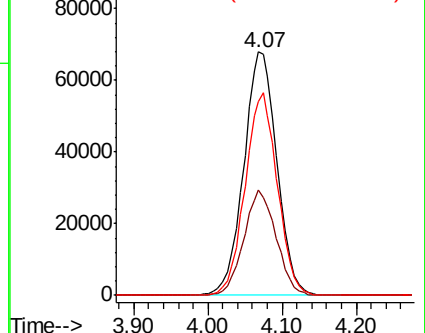
151 80.6 64.1 96.1



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: 24.756 ug/L

RT: 4.05 min Scan# 404

Delta R.T. 0.00 min

Lab File: VW004908.D

Acq: 23 Aug 2018 20:24

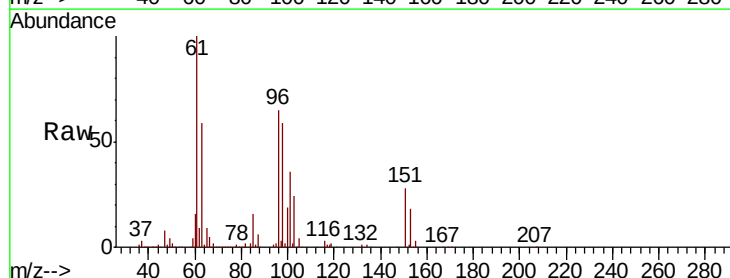
Tgt Ion: 96 Resp: 186361

Ion Ratio Lower Upper

96 100

61 154.3 107.0 198.8

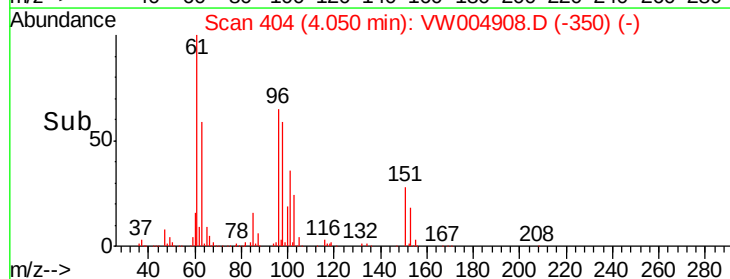
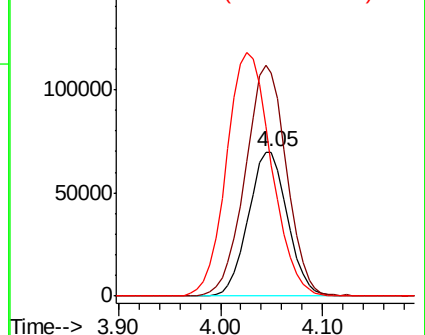
63 90.3 76.9 142.7

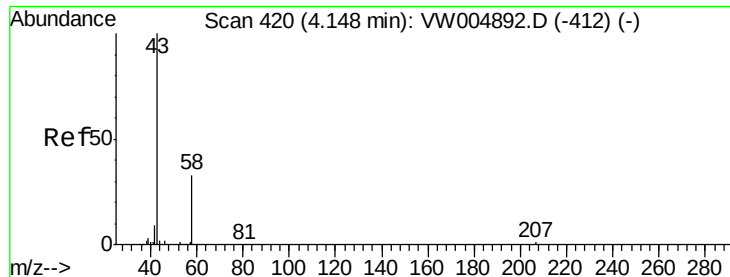


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 47.107 ug/L

RT: 4.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VW004908.D

Acq: 23 Aug 2018 20:24

Instrument :

MSVOA_W

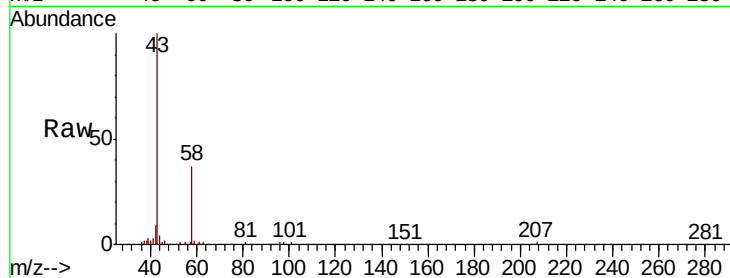
ClientSampleId :

Tot Ion: 43 Resp: 90758

Ion Ratio Lower Upper

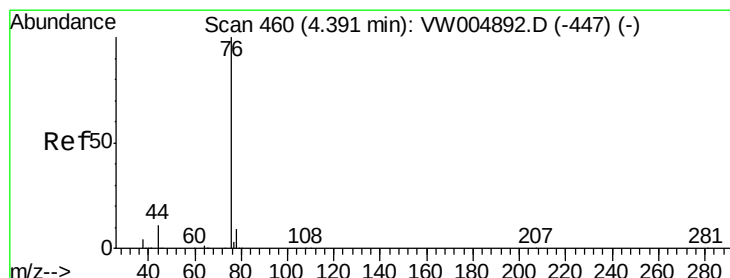
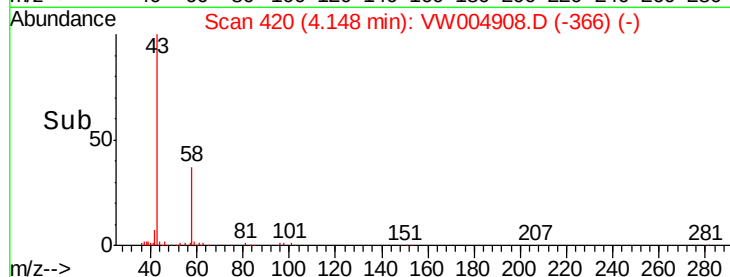
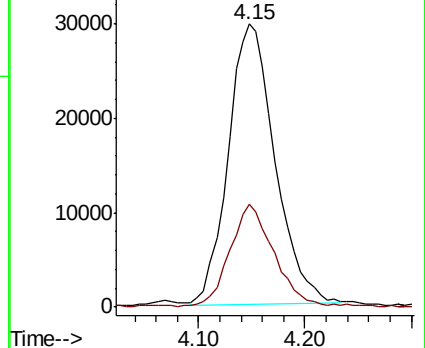
43 100

58 34.7 0.0 69.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 24.031 ug/L

RT: 4.39 min Scan# 459

Delta R.T. -0.01 min

Lab File: VW004908.D

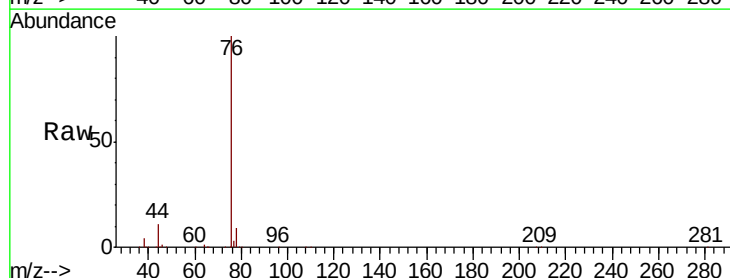
Acq: 23 Aug 2018 20:24

Tgt Ion: 76 Resp: 749596

Ion Ratio Lower Upper

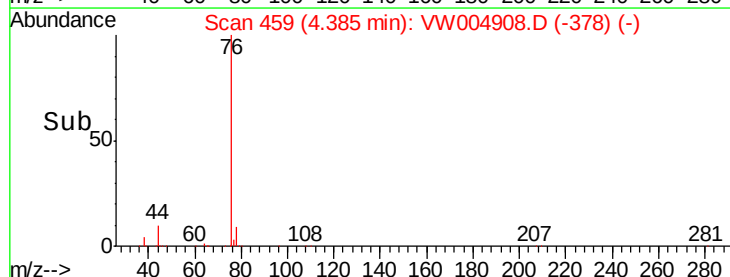
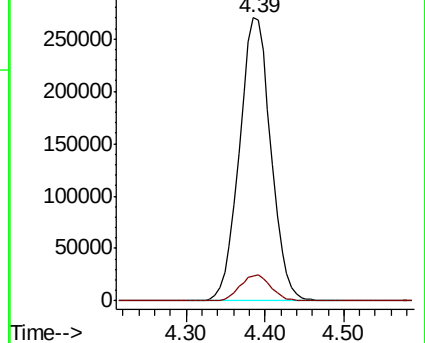
76 100

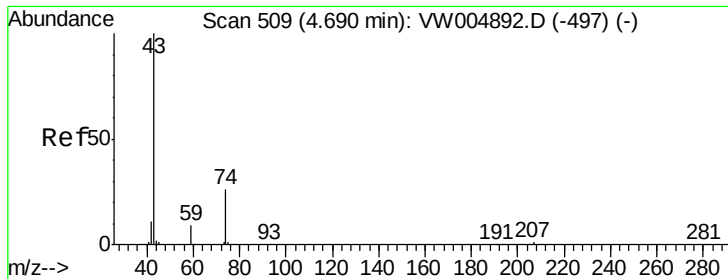
78 8.8 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

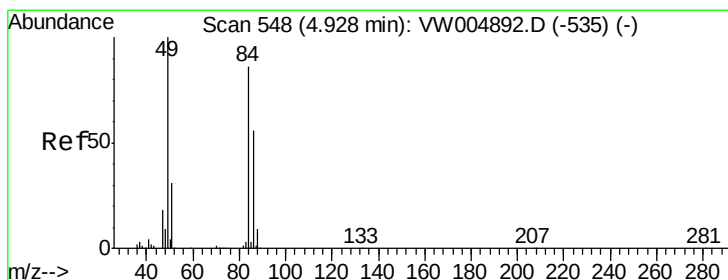
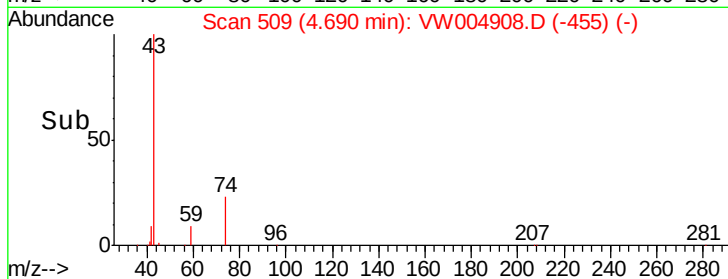
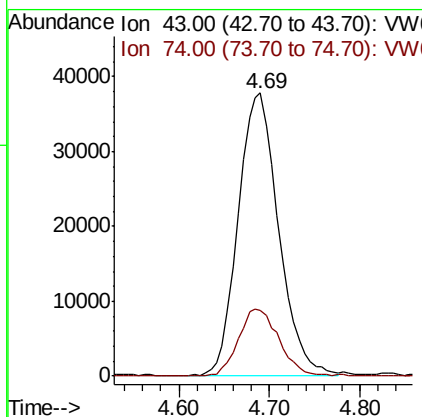
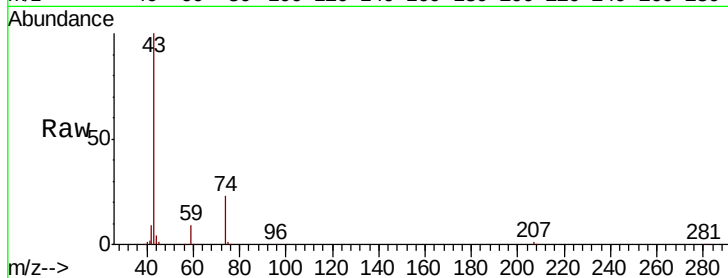




#15
Methvl Acetate
Concen: 26.791 ug/L
RT: 4.69 min Scan# 509
Delta R.T. 0.00 min
Lab File: VW004908.D
Acq: 23 Aug 2018 20:24

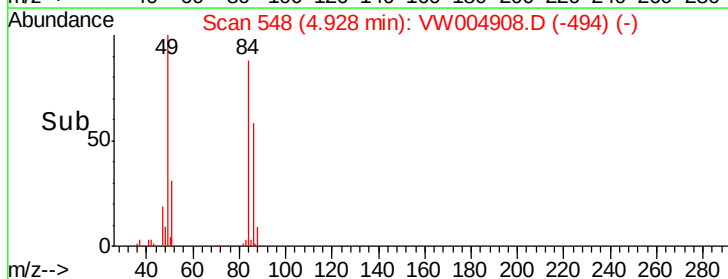
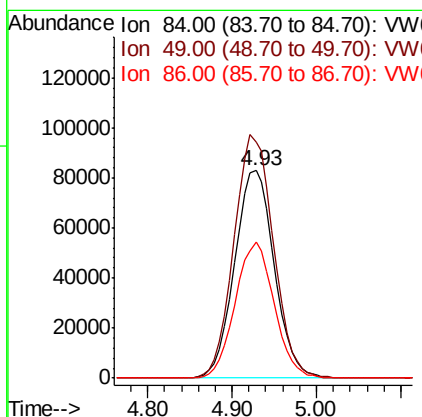
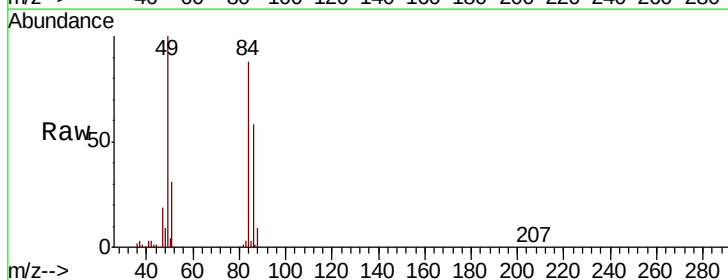
Instrument :
MSVOA_W
ClientSampleId :

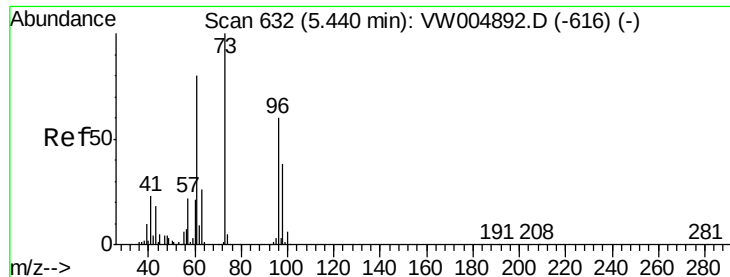
Tot Ion: 43 Resp: 116715
Ion Ratio Lower Upper
43 100
74 23.7 18.6 27.8



#16
Methylene chloride
Concen: 21.088 ug/L
RT: 4.93 min Scan# 548
Delta R.T. 0.00 min
Lab File: VW004908.D
Acq: 23 Aug 2018 20:24

Tgt Ion: 84 Resp: 264415
Ion Ratio Lower Upper
84 100
49 114.0 83.8 155.6
86 65.9 42.6 79.0

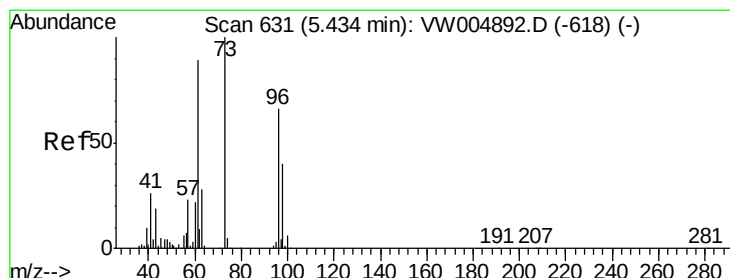
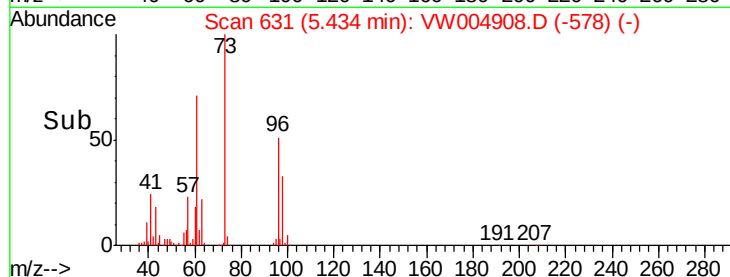
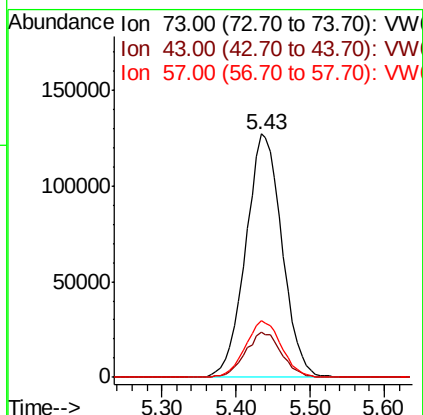
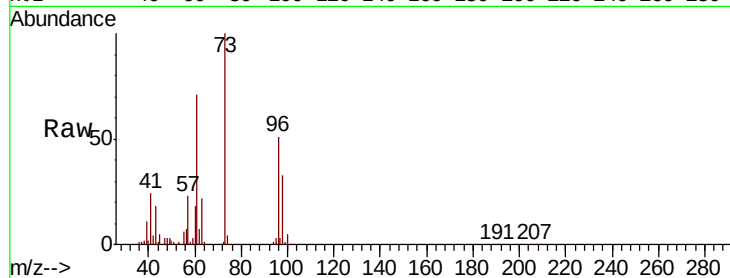




#17
Methyl tert-butyl Ether
Concen: 26.739 ug/L
RT: 5.43 min Scan# 631
Delta R.T. -0.01 min
Lab File: VW004908.D
Acq: 23 Aug 2018 20:24

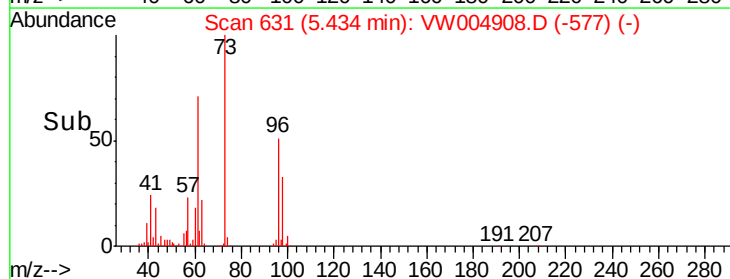
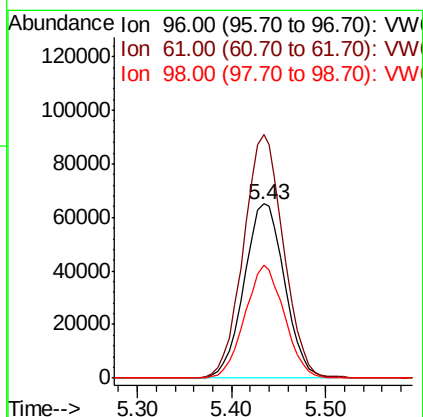
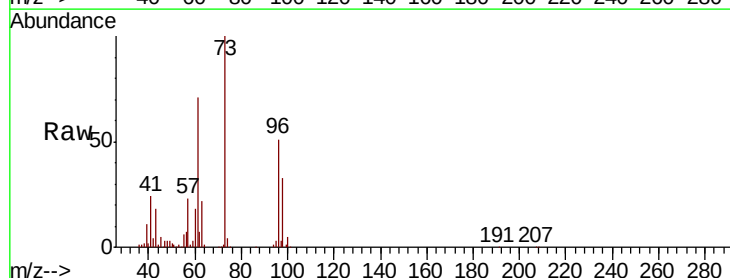
Instrument :
MSVOA_W
ClientSampled :

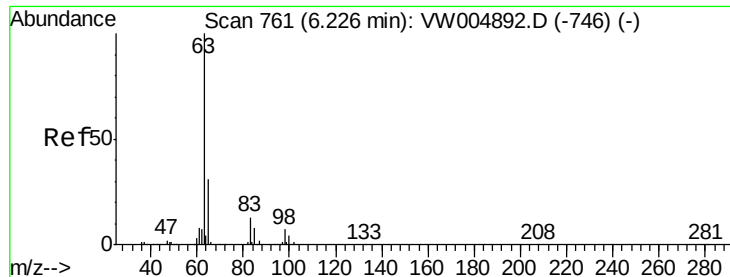
Tot Ion	Ratio	Lower	Upper
73	100		
43	18.4	14.6	22.0
57	23.0	18.2	27.4



#18
trans-1,2-Dichloroethene
Concen: 25.023 ug/L
RT: 5.43 min Scan# 631
Delta R.T. 0.00 min
Lab File: VW004908.D
Acq: 23 Aug 2018 20:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.9	92.5	171.9
98	65.1	42.8	79.4

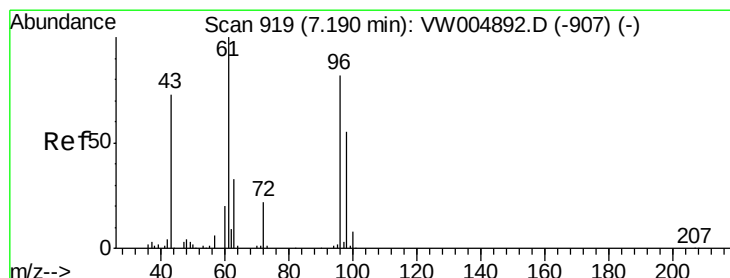
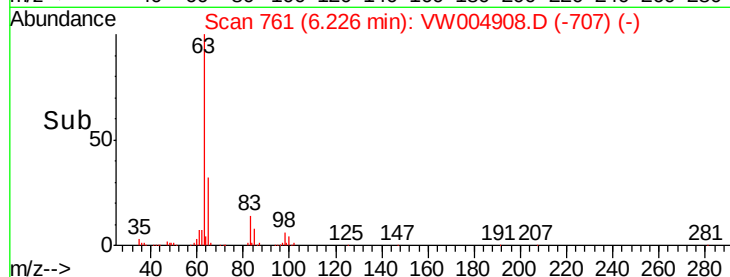
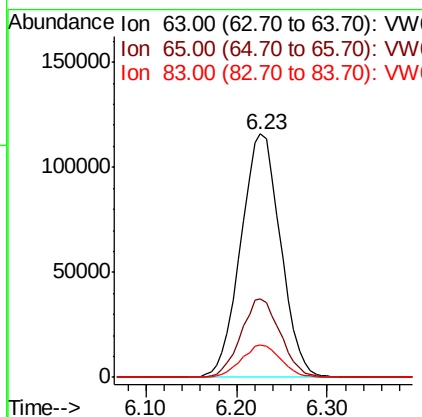
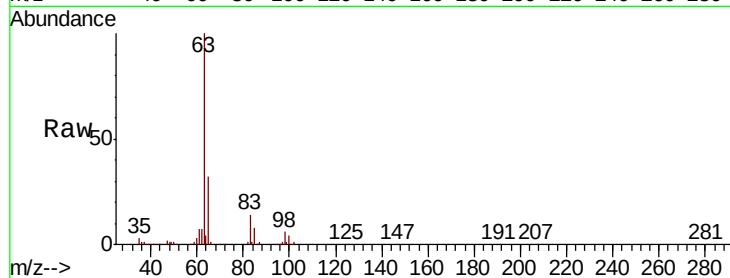




#19
 1,1-Dichloroethane
 Concen: 24.611 ug/L
 RT: 6.23 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: VW004908.D
 Acq: 23 Aug 2018 20:24

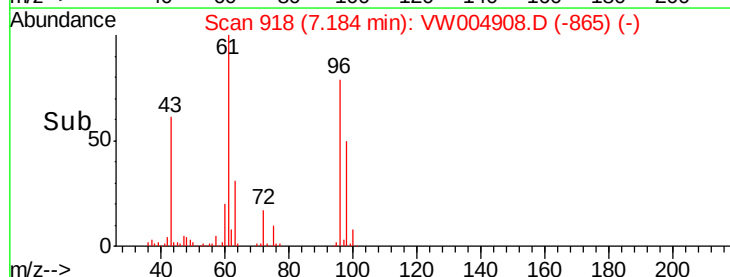
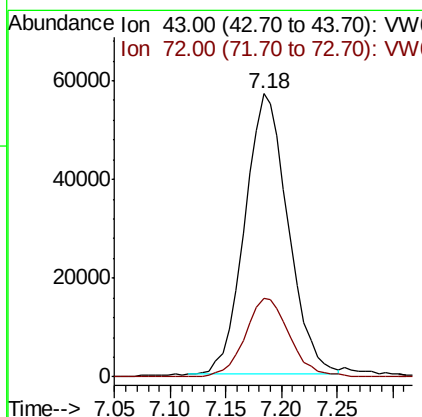
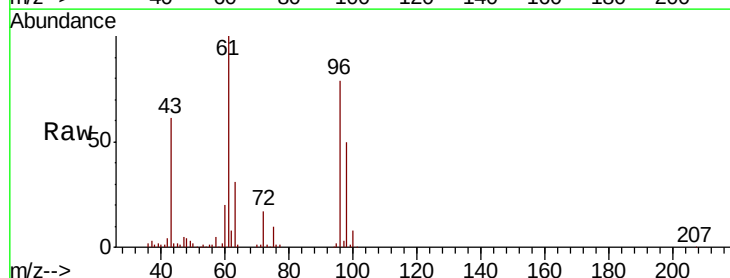
Instrument :
 MSVOA_W
 ClientSampled :

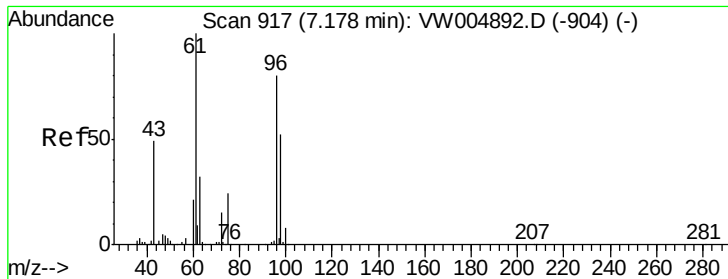
Tot Ion	63	Resp	352161
Ion	Ratio	Lower	Upper
63	100		
65	32.4	20.5	38.1
83	13.6	8.8	16.4



#21
 2-Butanone
 Concen: 51.753 ug/L
 RT: 7.18 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: VW004908.D
 Acq: 23 Aug 2018 20:24

Tgt Ion	43	Resp	153537
Ion	Ratio	Lower	Upper
43	100		
72	28.6	14.2	42.8



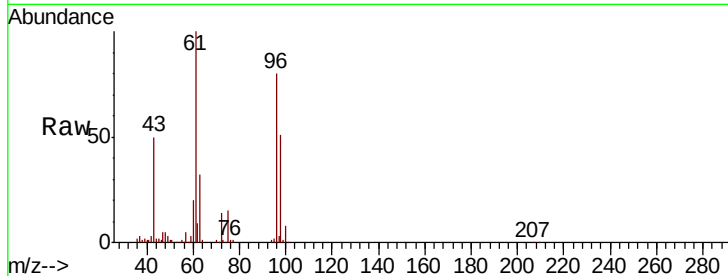


#22

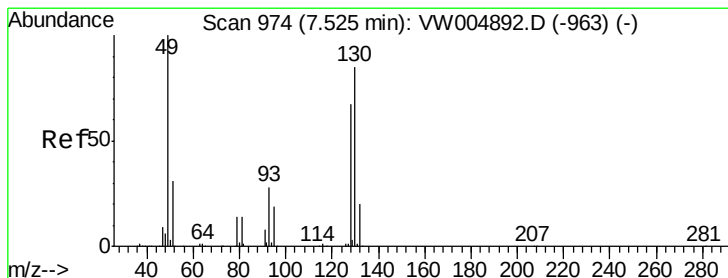
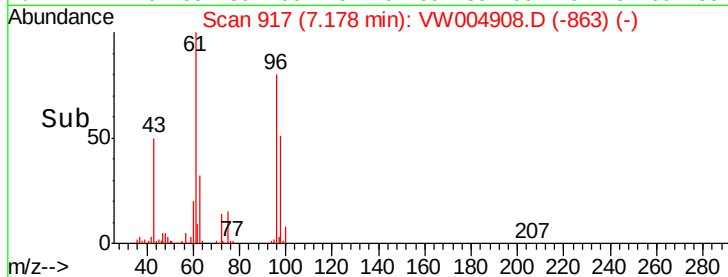
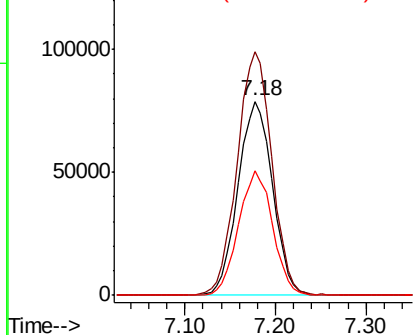
cis-1,2-Dichloroethene
Concen: 24.608 ug/L
RT: 7.18 min Scan# 917
Delta R.T. 0.00 min
Lab File: VW004908.D
Acq: 23 Aug 2018 20:24

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	125.3	89.7	166.7
98	64.5	45.0	83.6



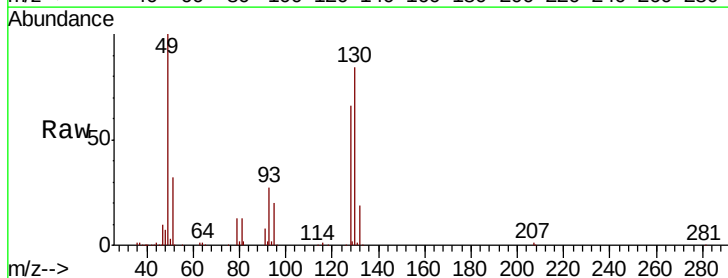
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



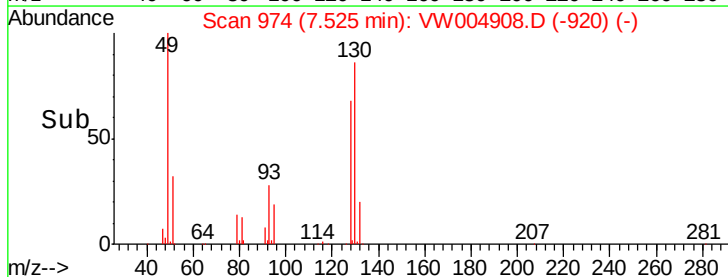
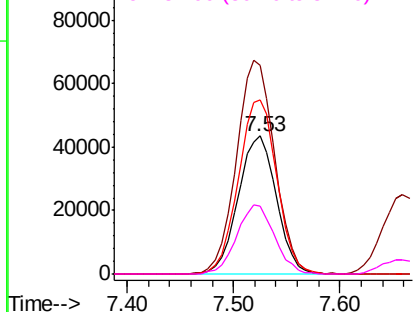
#23

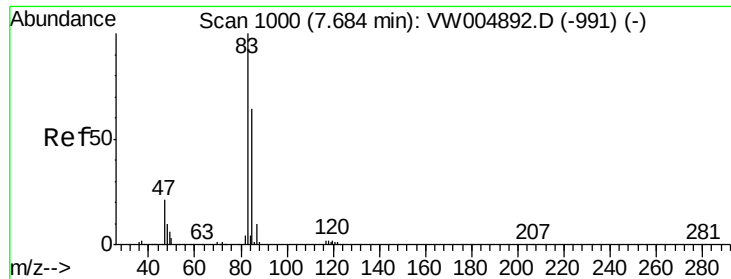
Bromochloromethane
Concen: 24.531 ug/L
RT: 7.53 min Scan# 974
Delta R.T. 0.00 min
Lab File: VW004908.D
Acq: 23 Aug 2018 20:24

Tgt Ion	Ratio	Lower	Upper
128	100		
49	151.5	111.3	206.7
130	126.6	90.2	167.6
51	48.8	39.3	58.9



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

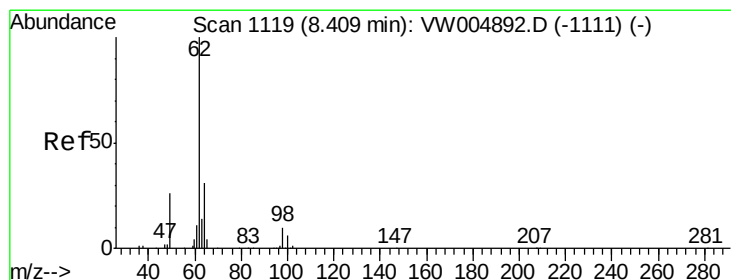
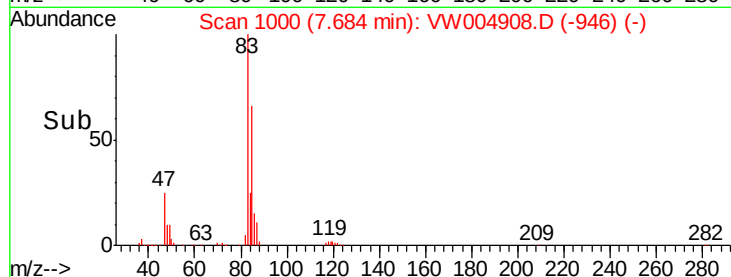
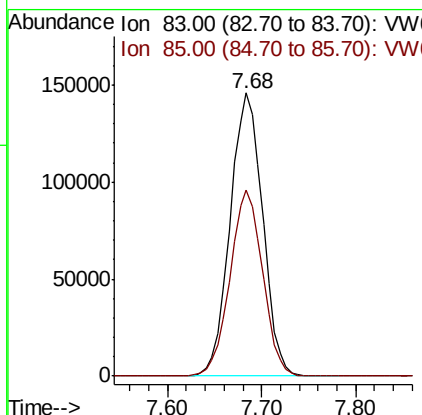
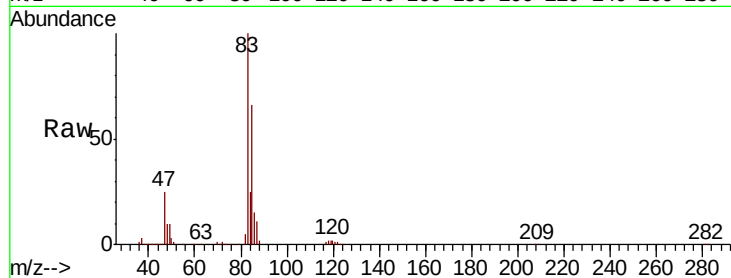




#25
Chloroform
Concen: 24.430 ug/L
RT: 7.68 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VW004908.D
Acq: 23 Aug 2018 20:24

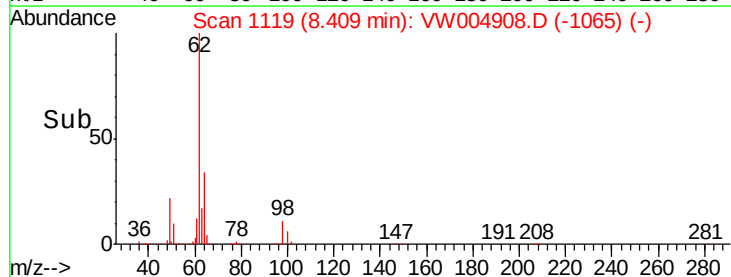
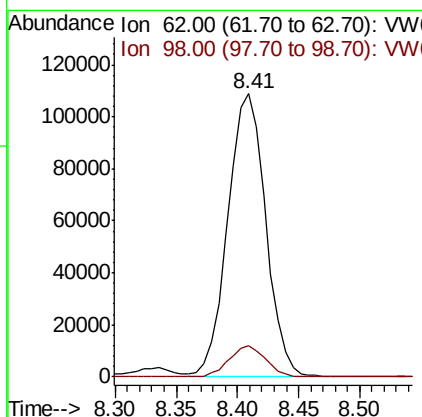
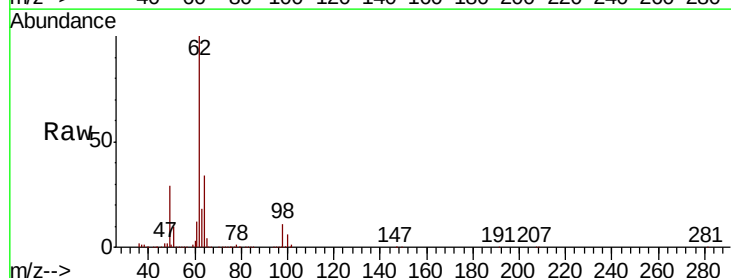
Instrument :
MSVOA_W
ClientSampleId :

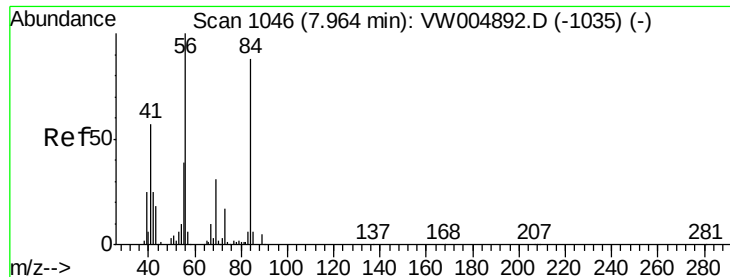
Tot Ion: 83 Resp: 350369
Ion Ratio Lower Upper
83 100
85 66.0 46.3 85.9



#27
1,2-Dichloroethane
Concen: 24.823 ug/L
RT: 8.41 min Scan# 1119
Delta R.T. 0.00 min
Lab File: VW004908.D
Acq: 23 Aug 2018 20:24

Tgt Ion: 62 Resp: 233340
Ion Ratio Lower Upper
62 100
98 10.9 8.0 12.0

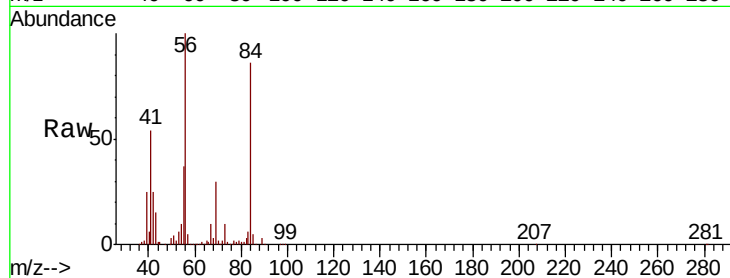




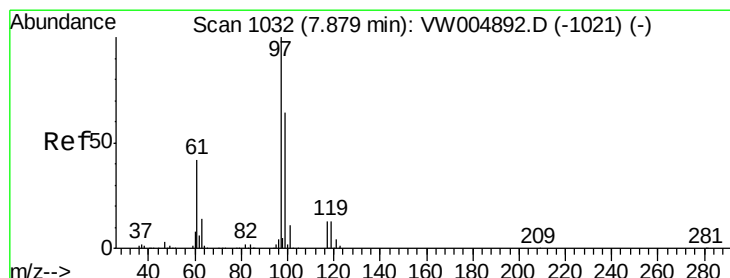
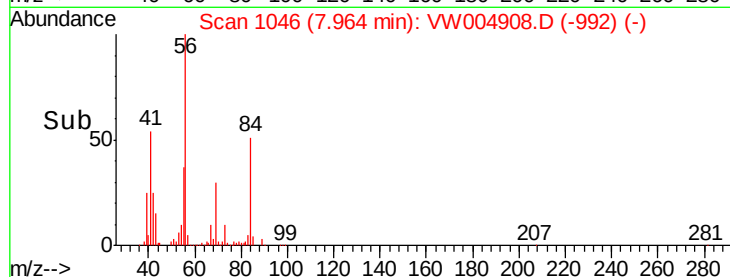
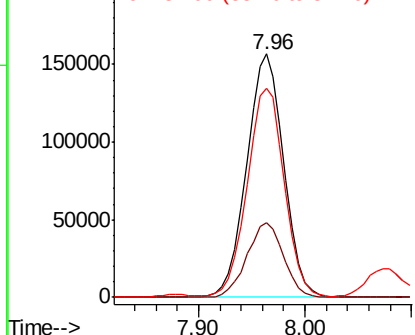
#30
Cyclohexane
Concen: 27.744 ug/L
RT: 7.96 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VW004908.D
Acq: 23 Aug 2018 20:24

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 382002
Ion Ratio Lower Upper
56 100
69 30.5 24.1 36.1
84 86.5 67.7 101.5

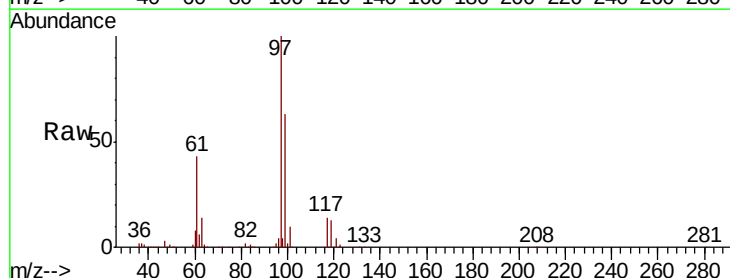


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

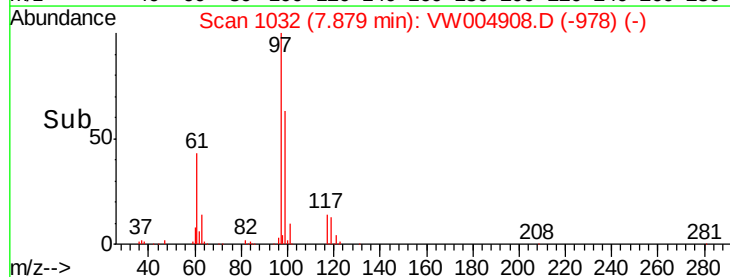
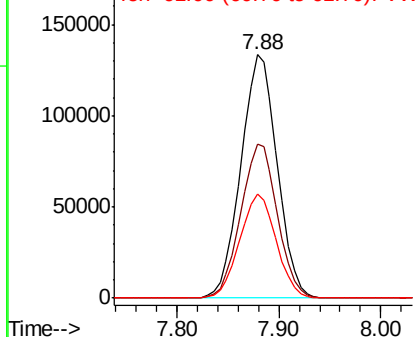


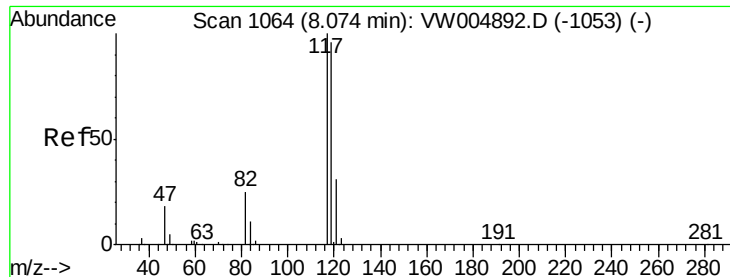
#31
1,1,1-Trichloroethane
Concen: 26.490 ug/L
RT: 7.88 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VW004908.D
Acq: 23 Aug 2018 20:24

Tgt Ion: 97 Resp: 330014
Ion Ratio Lower Upper
97 100
99 63.7 51.2 76.8
61 42.8 34.9 52.3



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: 26.730 ug/L

RT: 8.07 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VW004908.D

Acq: 23 Aug 2018 20:24

Instrument :

MSVOA_W

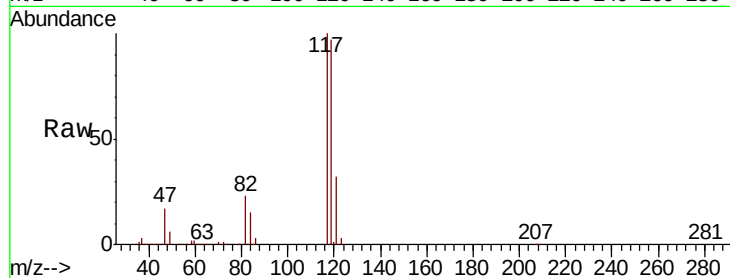
ClientSampled :

Tot Ion:117 Resp: 297860

Ion Ratio Lower Upper

117 100

119 95.1 78.2 117.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

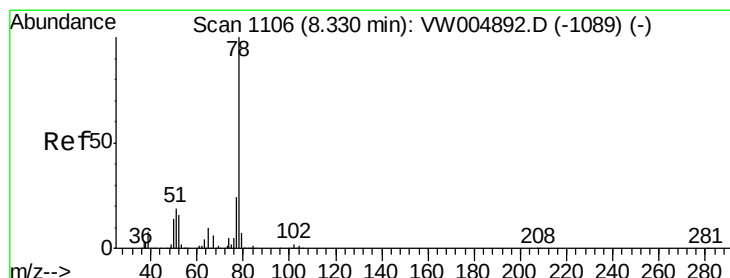
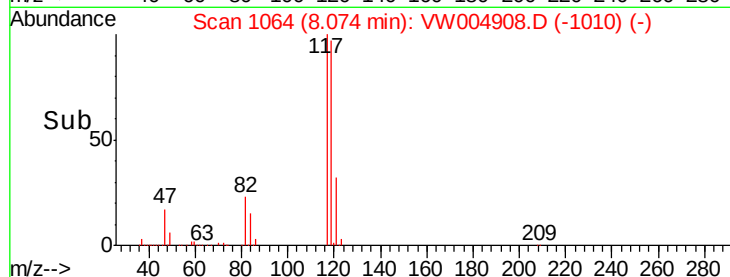
100000

50000

0

8.00 8.10

Time-->



#34

Benzene

Concen: 26.237 ug/L

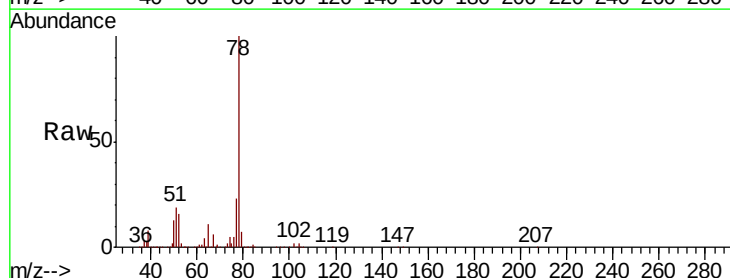
RT: 8.33 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VW004908.D

Acq: 23 Aug 2018 20:24

Tgt Ion: 78 Resp: 967607



Abundance Ion 78.00 (77.70 to 78.70): VW

8.33

500000

400000

300000

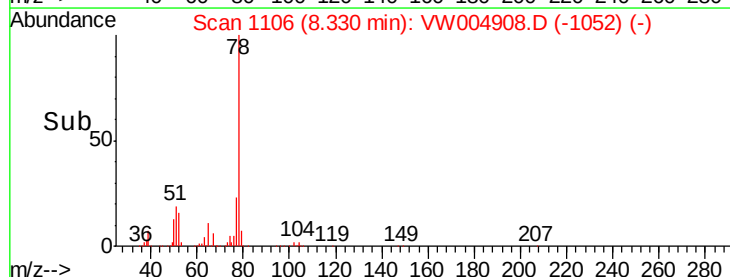
200000

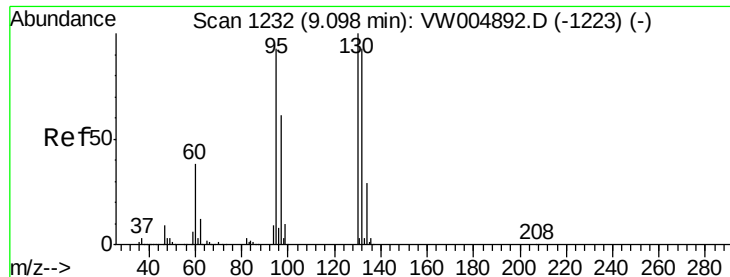
100000

0

8.20 8.30 8.40 8.50

Time-->

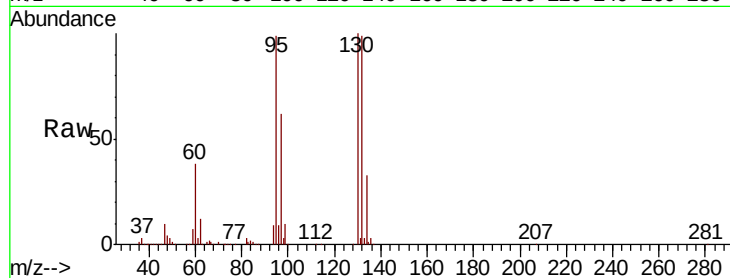




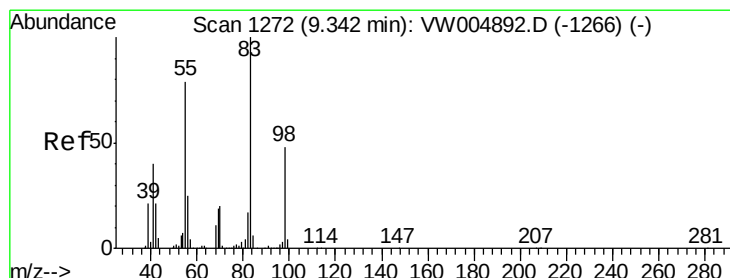
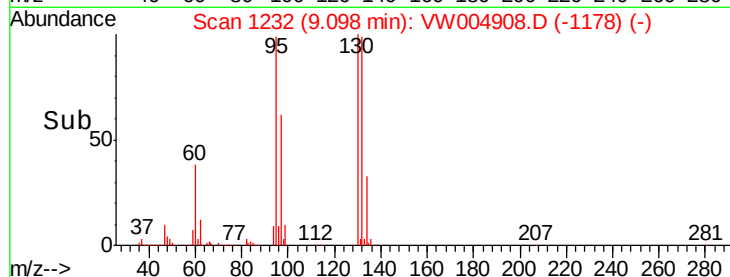
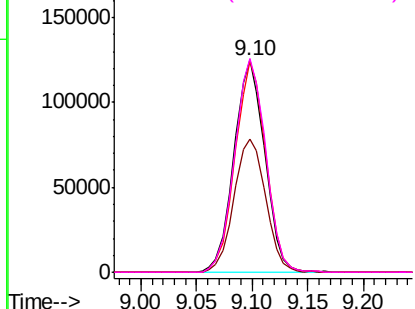
#35
 Trichloroethene
 Concen: 26.111 ug/L
 RT: 9.10 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VW004908.D
 Acq: 23 Aug 2018 20:24

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	95	Resp:	239449
Ion	Ratio	Lower	Upper
95	100		
97	64.6	45.9	85.3
132	98.8	69.2	128.4
130	101.8	72.7	135.1

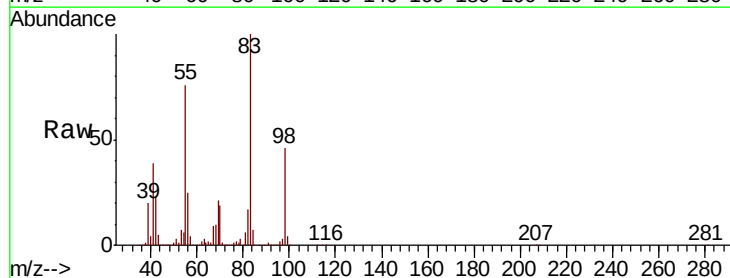


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

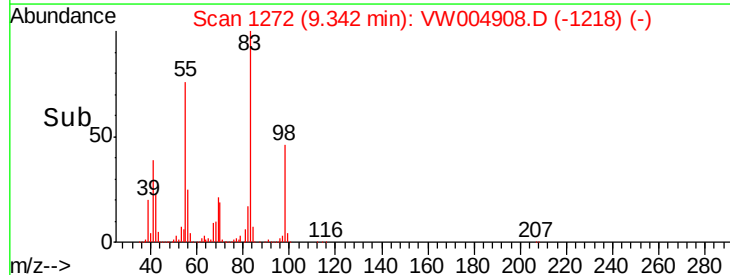
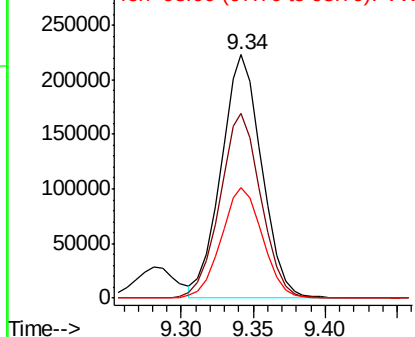


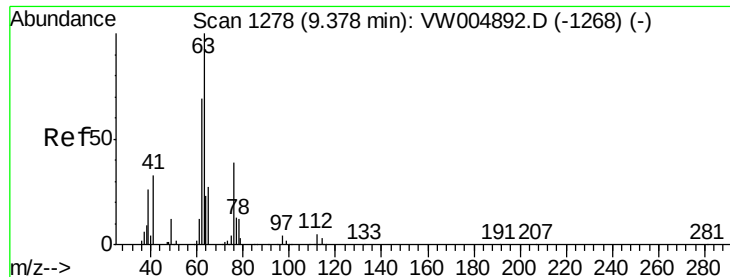
#36
 Methylcyclohexane
 Concen: 25.611 ug/L
 RT: 9.34 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VW004908.D
 Acq: 23 Aug 2018 20:24

Tgt Ion:	83	Resp:	434423
Ion	Ratio	Lower	Upper
83	100		
55	77.3	61.1	91.7
98	46.8	37.0	55.4



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: 26.197 ug/L

RT: 9.38 min Scan# 1278

Delta R.T. -0.00 min

Lab File: VW004908.D

Acq: 23 Aug 2018 20:24

Instrument :

MSVOA_W

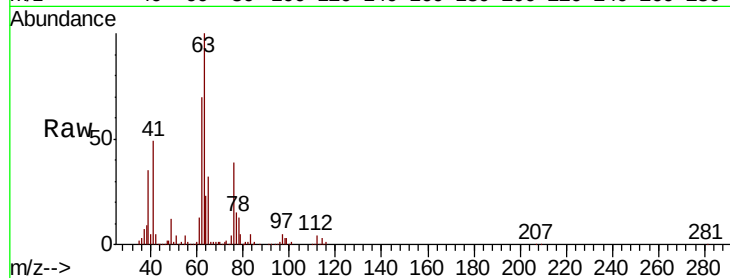
ClientSampleId :

Tot Ion: 63 Resp: 237657

Ion Ratio Lower Upper

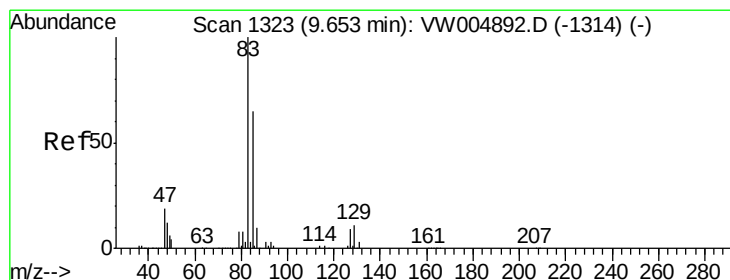
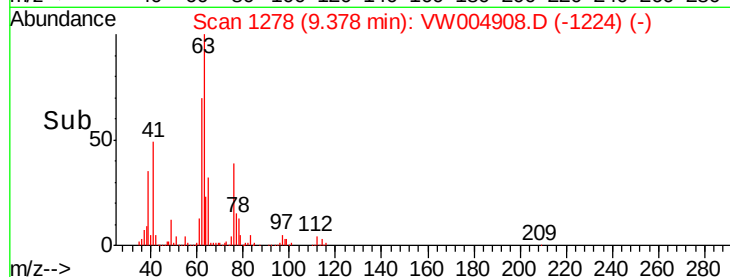
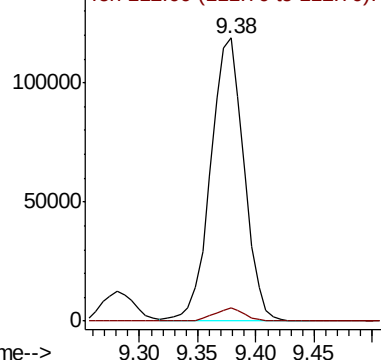
63 100

112 4.3 3.2 4.8



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 26.160 ug/L

RT: 9.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VW004908.D

Acq: 23 Aug 2018 20:24

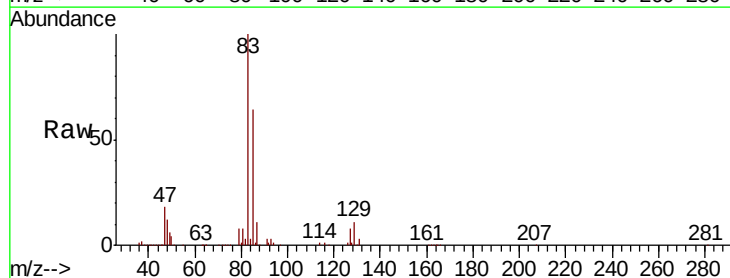
Tgt Ion: 83 Resp: 261508

Ion Ratio Lower Upper

83 100

85 64.1 43.6 81.0

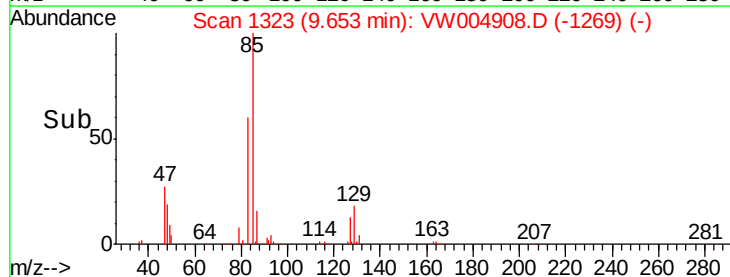
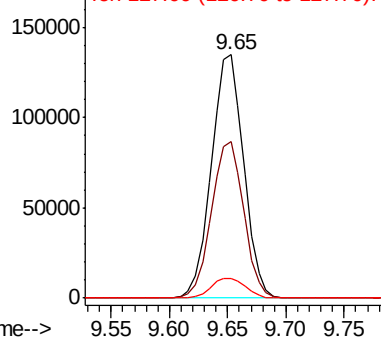
127 8.2 7.0 10.6

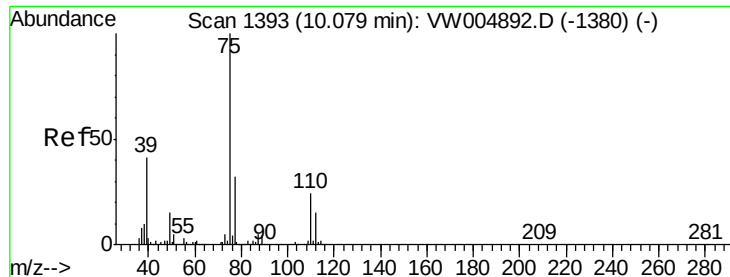


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 26.438 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW004908.D

Acq: 23 Aug 2018 20:24

Instrument :

MSVOA_W

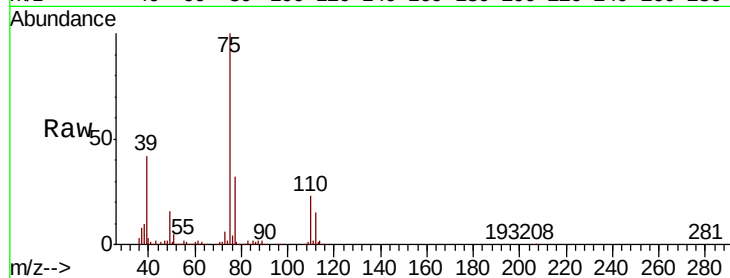
ClientSampleId :

Tot Ion: 75 Resp: 332940

Ion Ratio Lower Upper

75 100

77 31.9 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.08

200000

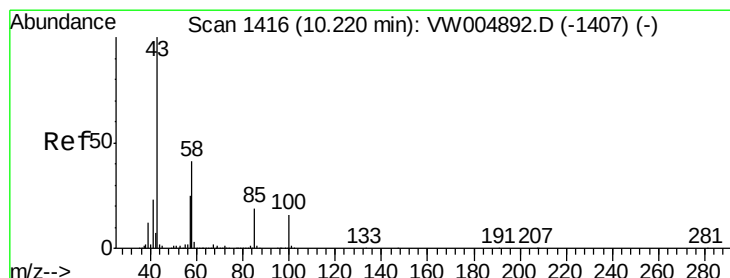
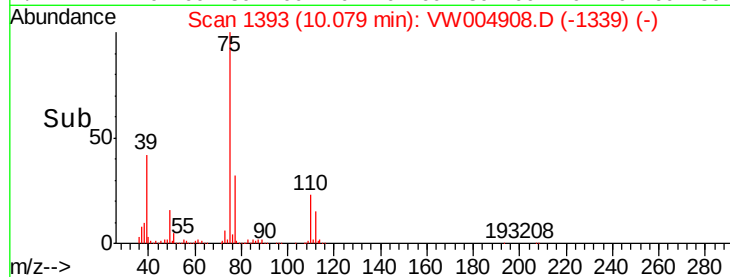
150000

100000

50000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 57.785 ug/L

RT: 10.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VW004908.D

Acq: 23 Aug 2018 20:24

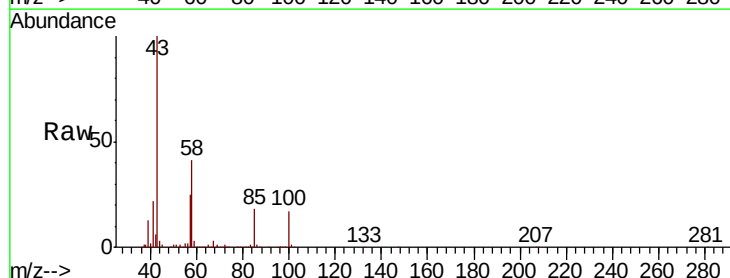
Tgt Ion: 43 Resp: 386990

Ion Ratio Lower Upper

43 100

58 40.9 32.1 48.1

100 15.8 12.6 18.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

400000

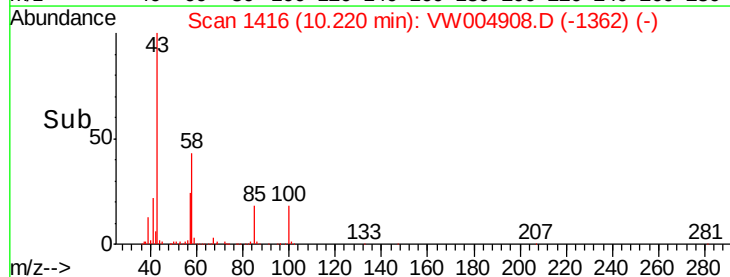
300000

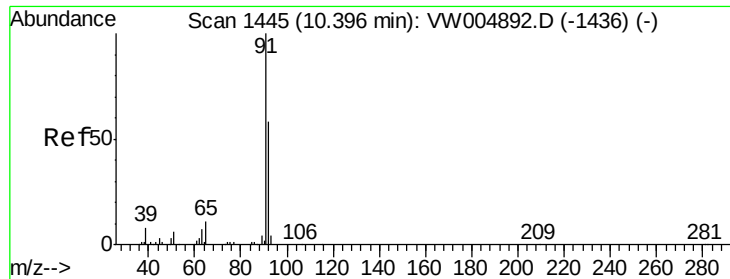
200000

100000

0

Time-->





#44

Toluene

Concen: 25.815 ug/L

RT: 10.40 min Scan# 1445

Delta R.T. 0.00 min

Lab File: VW004908.D

Acq: 23 Aug 2018 20:24

Instrument :

MSVOA_W

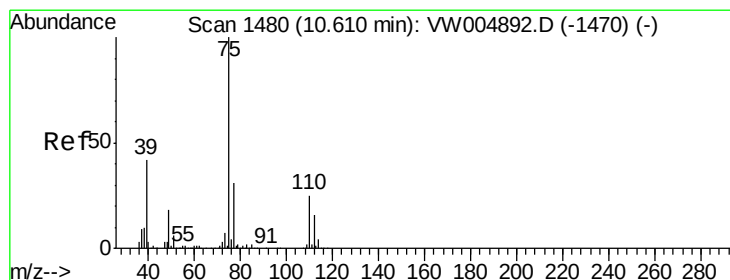
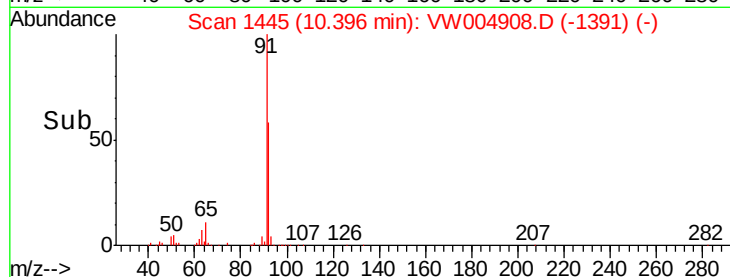
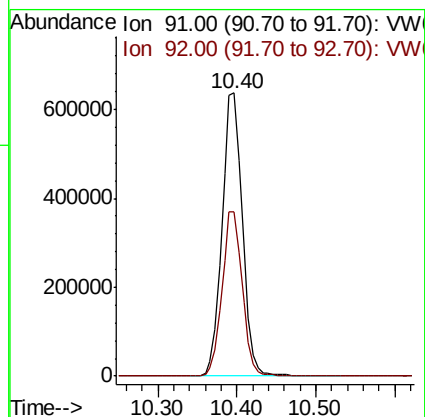
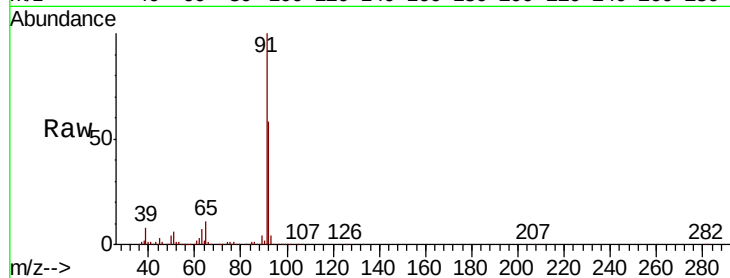
ClientSampled :

Tot Ion: 91 Resp: 1143319

Ion Ratio Lower Upper

91 100

92 57.9 40.6 75.4



#45

trans-1,3-Dichloropropene

Concen: 26.125 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004908.D

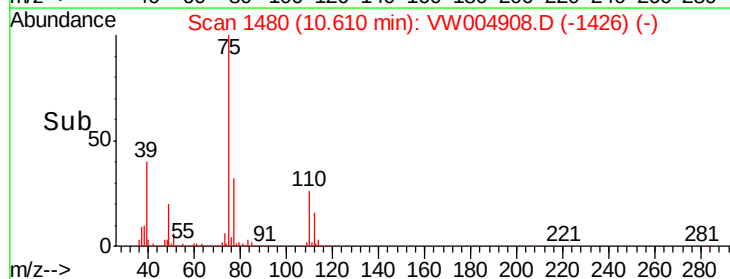
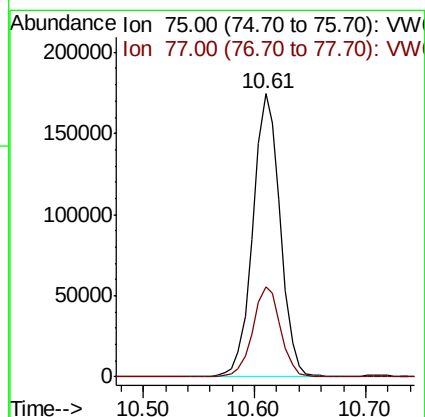
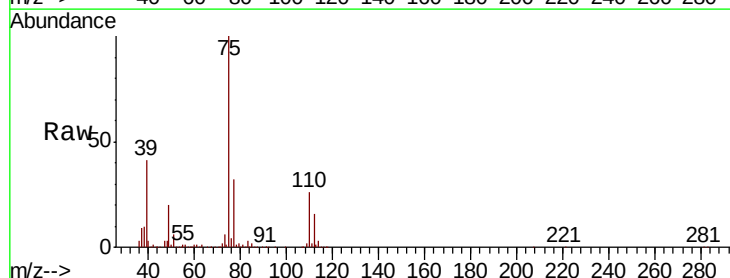
Acq: 23 Aug 2018 20:24

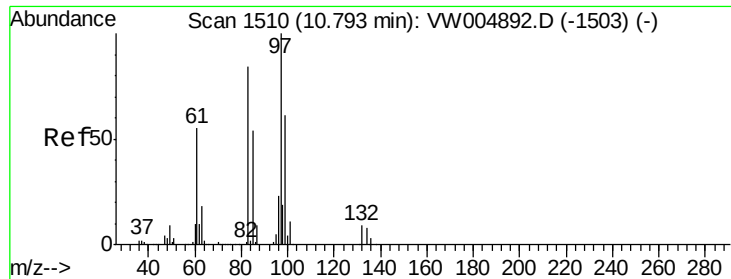
Tgt Ion: 75 Resp: 298385

Ion Ratio Lower Upper

75 100

77 31.8 22.2 41.2

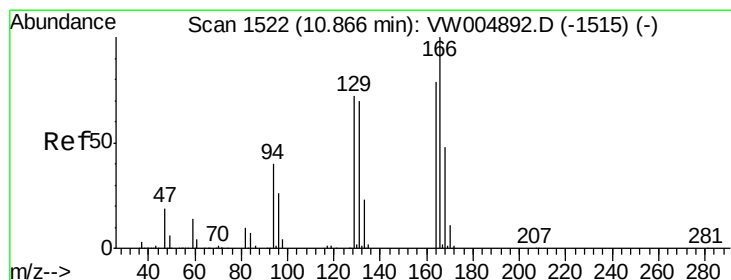
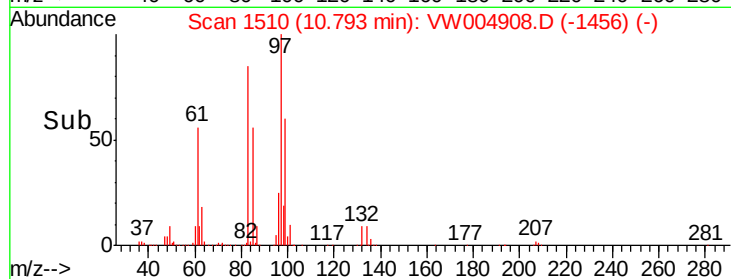
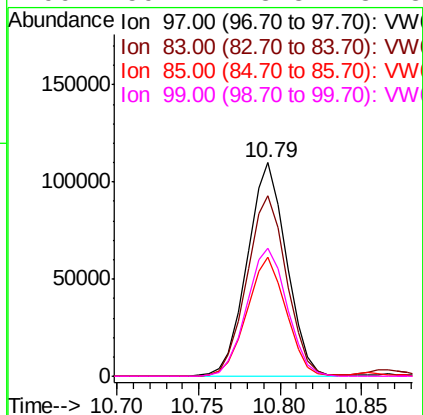
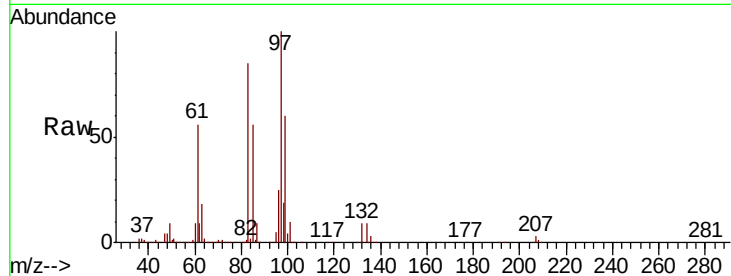




#46
 1,1,2-Trichloroethane
 Concen: 26.057 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004908.D
 Acq: 23 Aug 2018 20:24

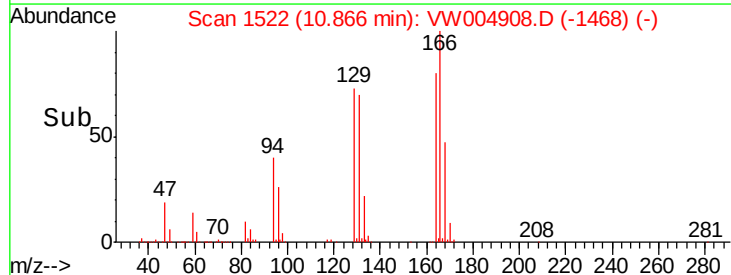
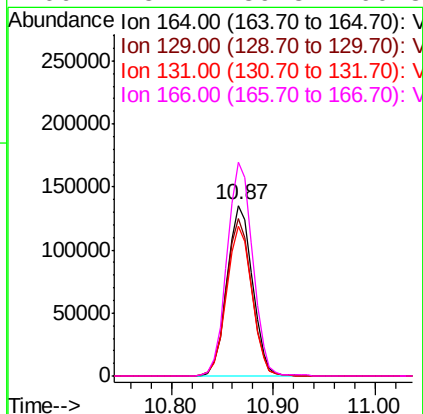
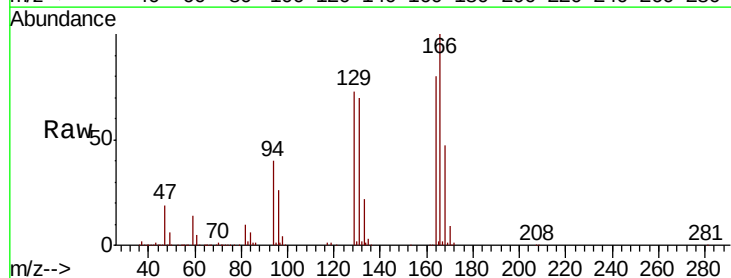
Instrument :
 MSVOA_W
 ClientSampleId :

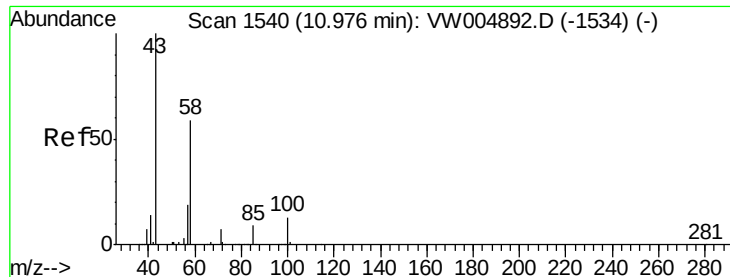
Tot Ion:	97	Resp:	184515
Ion	Ratio	Lower	Upper
97	100		
83	84.7	59.6	110.8
85	55.5	38.1	70.9
99	59.7	43.8	81.3



#47
 Tetrachloroethene
 Concen: 25.942 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. 0.00 min
 Lab File: VW004908.D
 Acq: 23 Aug 2018 20:24

Tgt Ion:	164	Resp:	232905
Ion	Ratio	Lower	Upper
164	100		
129	92.1	66.8	124.0
131	87.7	64.0	119.0
166	125.4	89.8	166.8

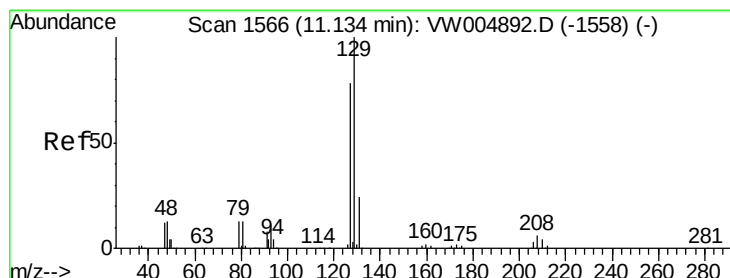
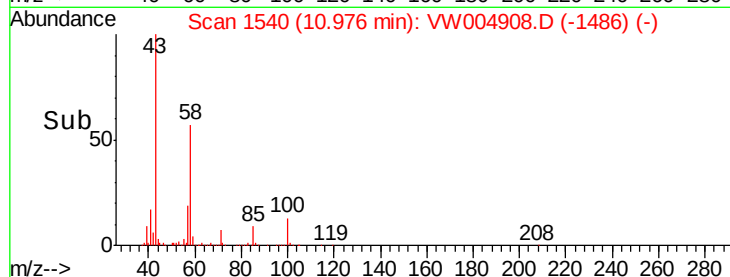
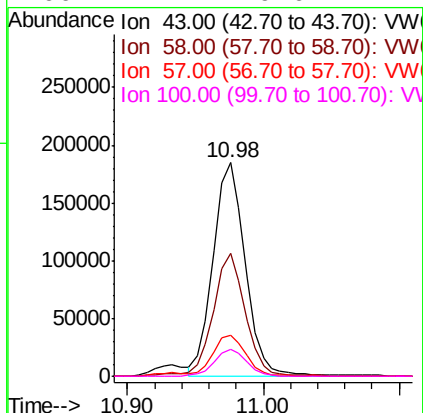
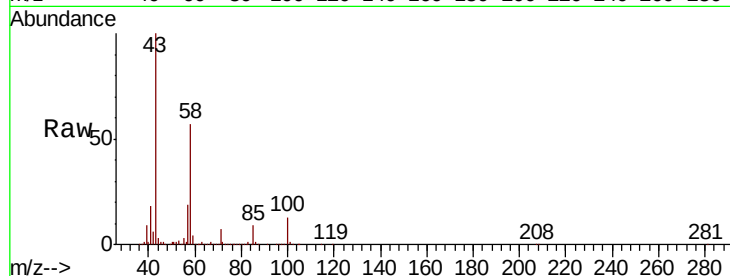




#49
2-Hexanone
Concen: 58.648 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004908.D
Acq: 23 Aug 2018 20:24

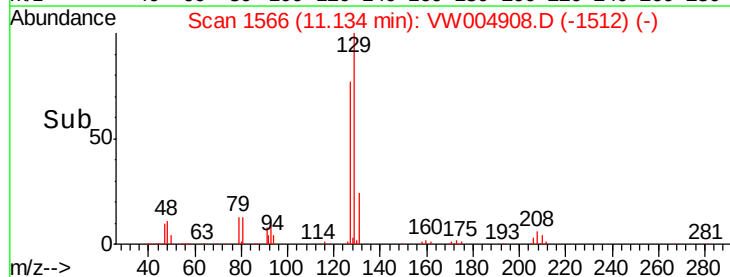
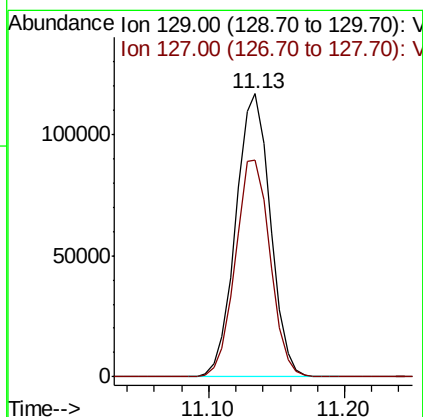
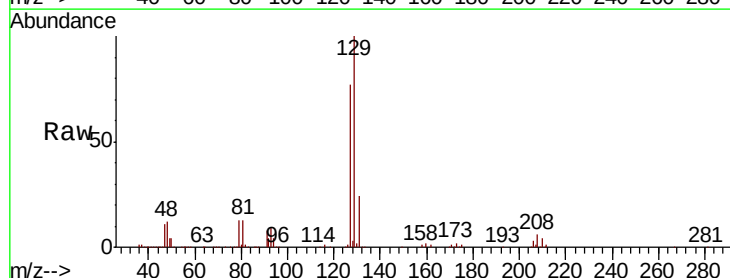
Instrument :
MSVOA_W
ClientSampled :

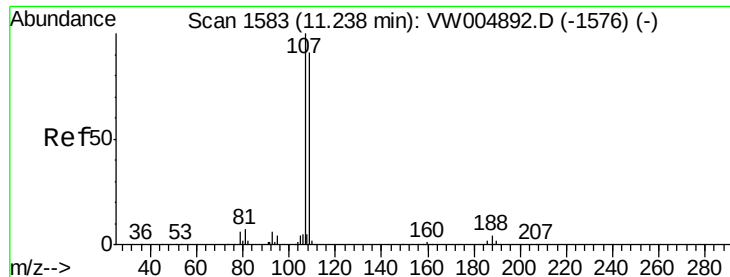
Tot Ion: 43 Resp: 303522
Ion Ratio Lower Upper
43 100
58 56.7 44.6 67.0
57 19.8 15.4 23.2
100 12.4 9.6 14.4



#50
Dibromochloromethane
Concen: 26.271 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW004908.D
Acq: 23 Aug 2018 20:24

Tgt Ion: 129 Resp: 206533
Ion Ratio Lower Upper
129 100
127 76.5 53.8 99.8





#51

1,2-Dibromoethane

Concen: 26.013 ug/L

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW004908.D

Acq: 23 Aug 2018 20:24

Instrument :

MSVOA_W

ClientSampleId :

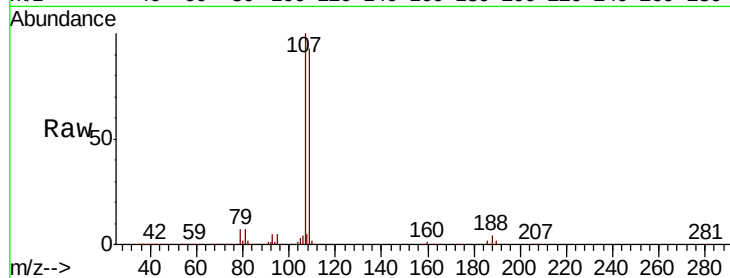
Tot Ion:107 Resp: 180822

Ion Ratio Lower Upper

107 100

109 92.8 67.3 124.9

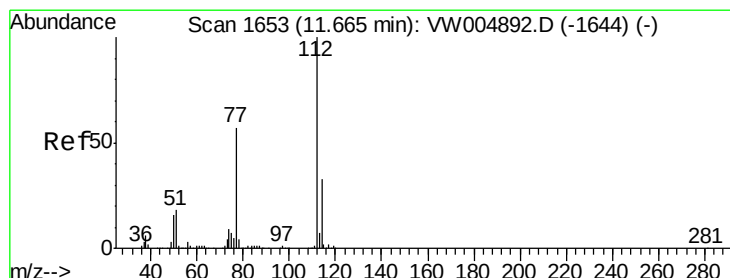
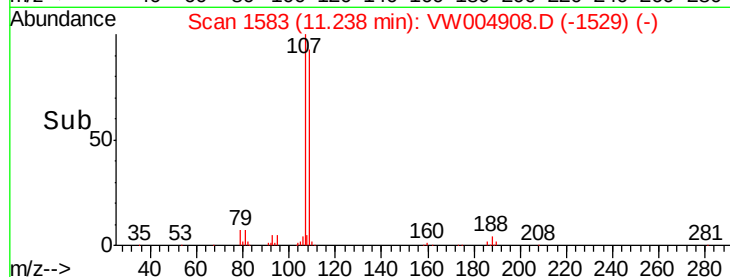
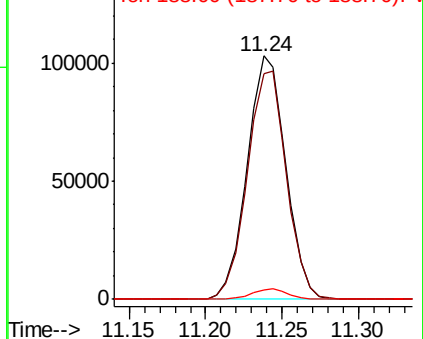
188 3.7 3.0 4.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 25.130 ug/L

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW004908.D

Acq: 23 Aug 2018 20:24

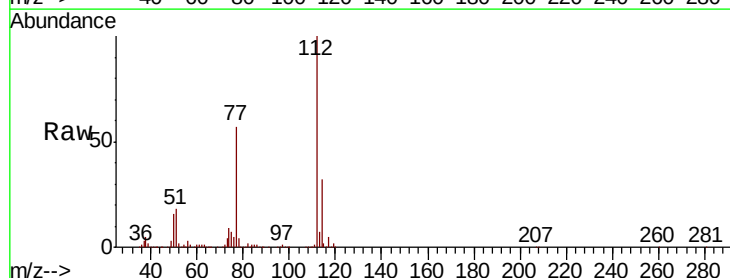
Tgt Ion:112 Resp: 739364

Ion Ratio Lower Upper

112 100

77 56.8 45.8 68.8

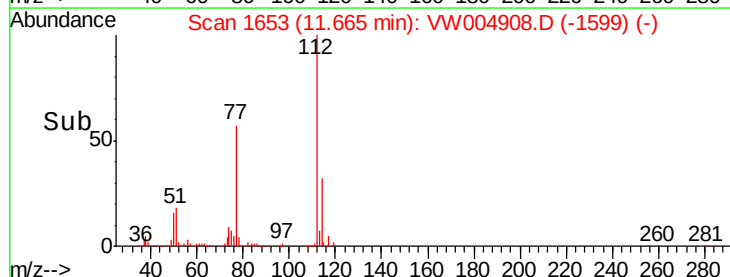
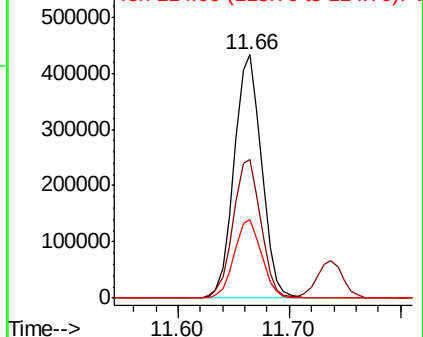
114 32.1 22.5 41.7

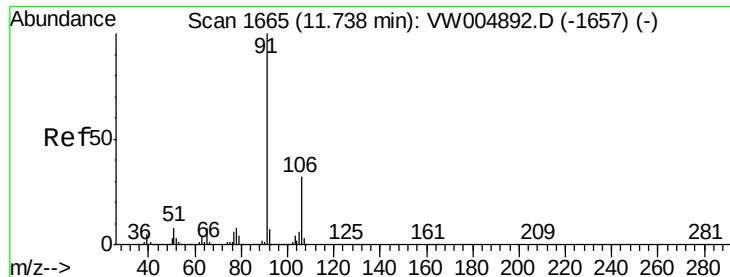


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V

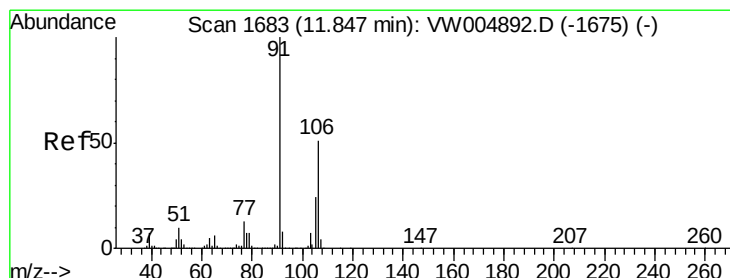
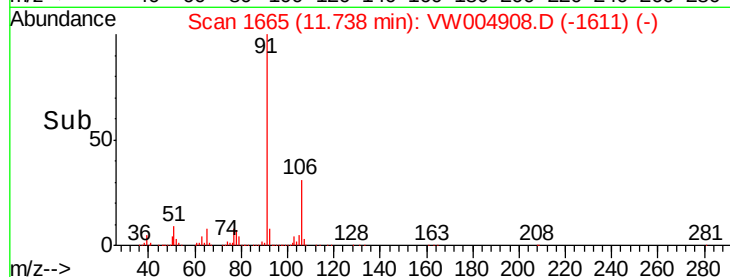
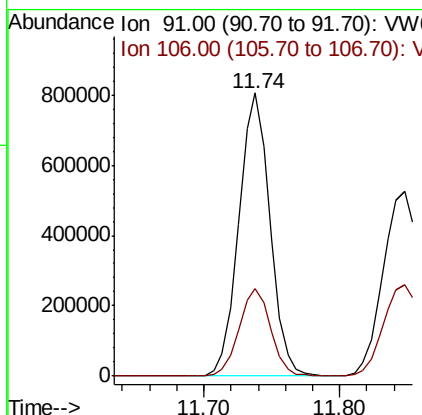
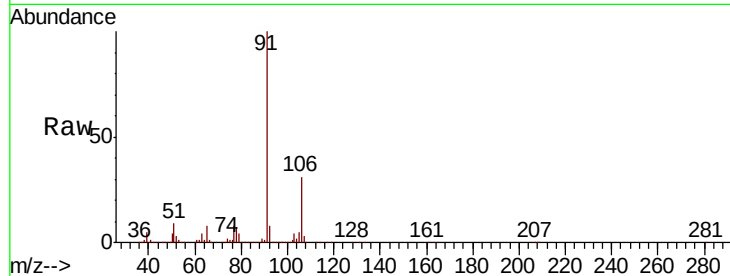




#53
Ethylbenzene
Concen: 25.791 ug/L
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004908.D
Acq: 23 Aug 2018 20:24

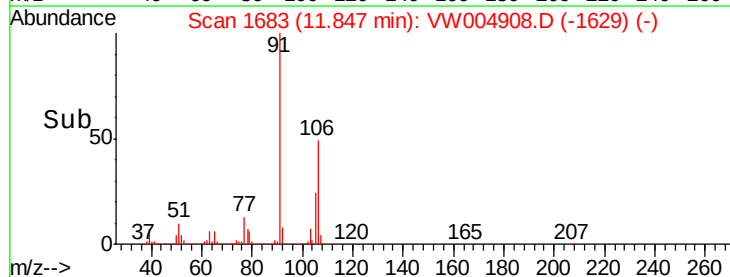
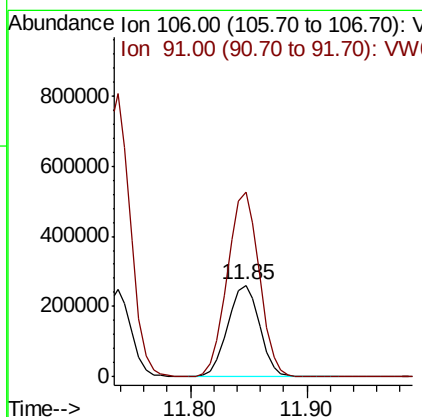
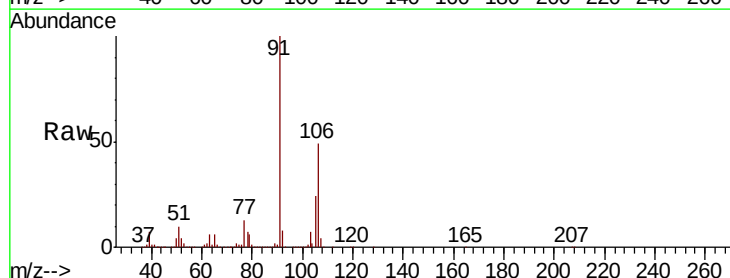
Instrument :
MSVOA_W
ClientSampleId :

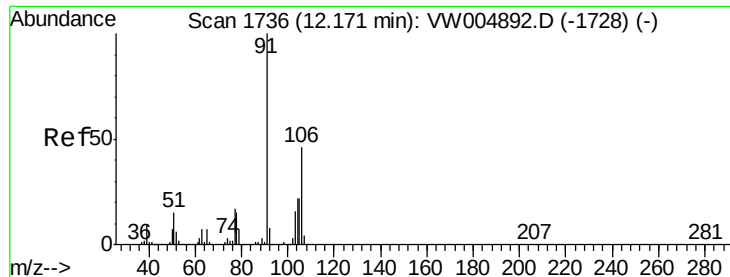
Tot Ion: 91 Resp: 1285333
Ion Ratio Lower Upper
91 100
106 30.8 21.6 40.2



#54
m,p-Xylene
Concen: 25.751 ug/L
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW004908.D
Acq: 23 Aug 2018 20:24

Tgt Ion:106 Resp: 497873
Ion Ratio Lower Upper
106 100
91 202.2 141.4 262.6





#55

o-xylene

Concen: 26.021 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VW004908.D

Acq: 23 Aug 2018 20:24

Instrument :

MSVOA_W

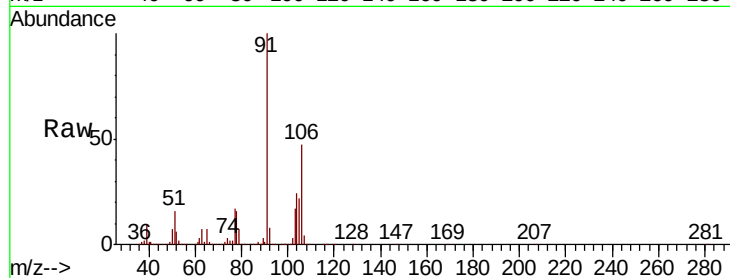
ClientSampled :

Tot Ion:106 Resp: 470067

Ion Ratio Lower Upper

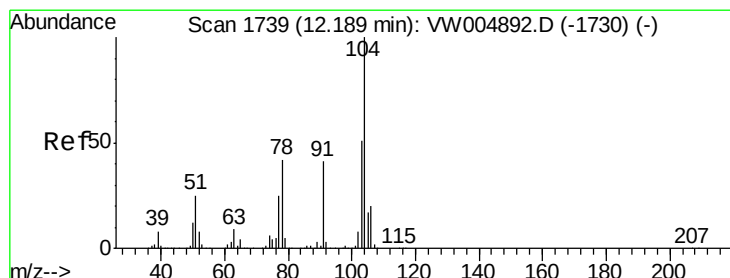
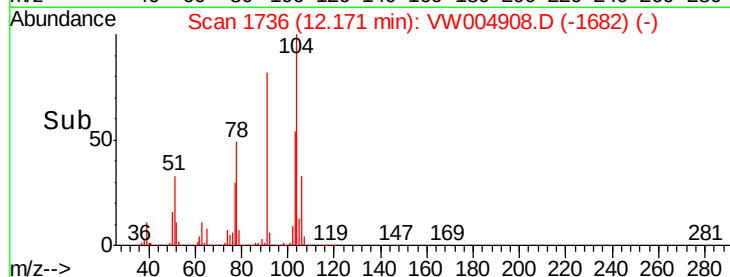
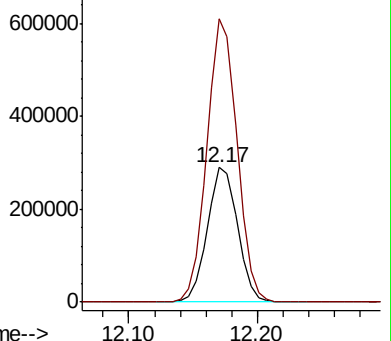
106 100

91 210.7 147.0 273.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 26.309 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VW004908.D

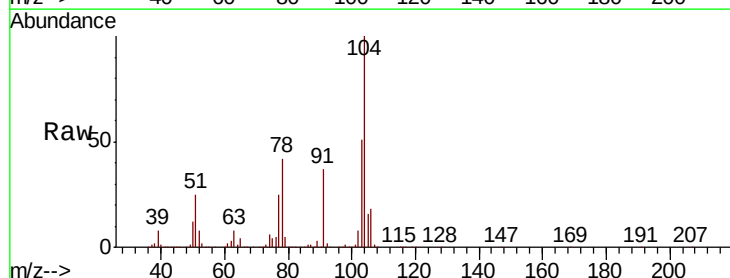
Acq: 23 Aug 2018 20:24

Tgt Ion:104 Resp: 816583

Ion Ratio Lower Upper

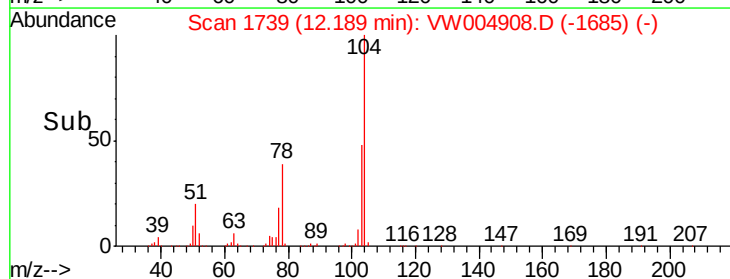
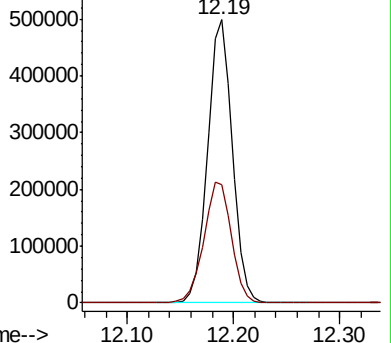
104 100

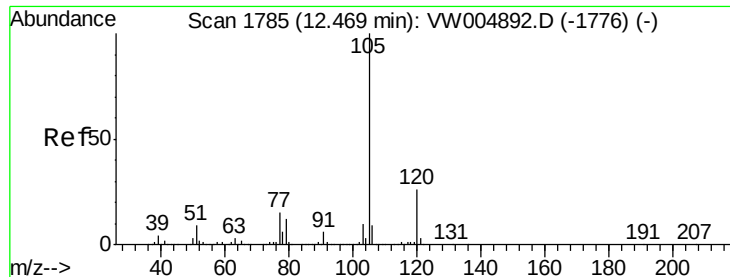
78 41.7 29.8 55.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 26.249 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004908.D

Acq: 23 Aug 2018 20:24

Instrument :

MSVOA_W

ClientSampleId :

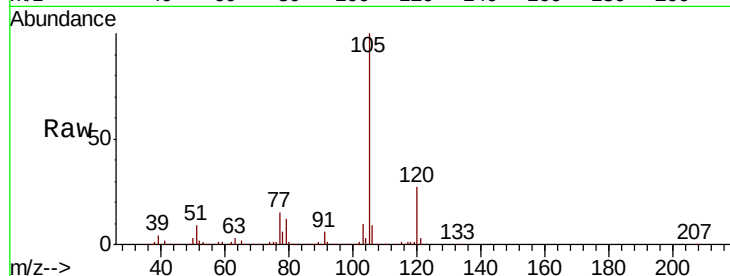
Tot Ion:105 Resp: 1266583

Ion Ratio Lower Upper

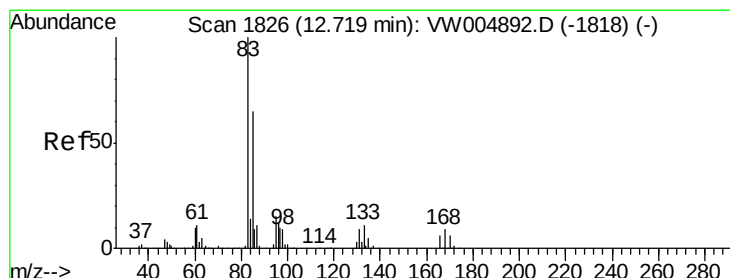
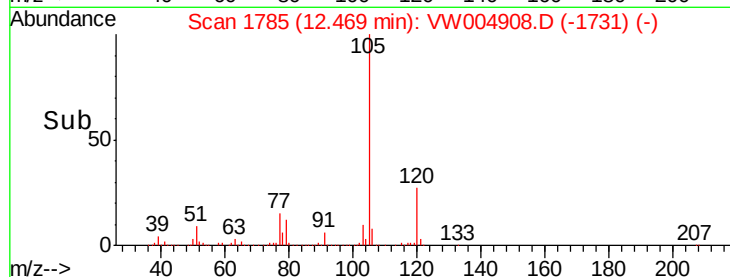
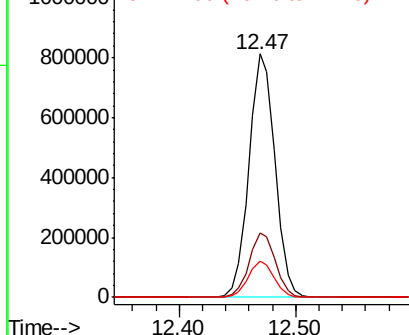
105 100

120 26.7 21.3 31.9

77 14.9 12.0 18.0



Abundance Ion 105.00 (104.70 to 105.70): VW
Ion 120.00 (119.70 to 120.70): VW
Ion 77.00 (76.70 to 77.70): VW



#58

1,1,2,2-Tetrachloroethane

Concen: 26.964 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004908.D

Acq: 23 Aug 2018 20:24

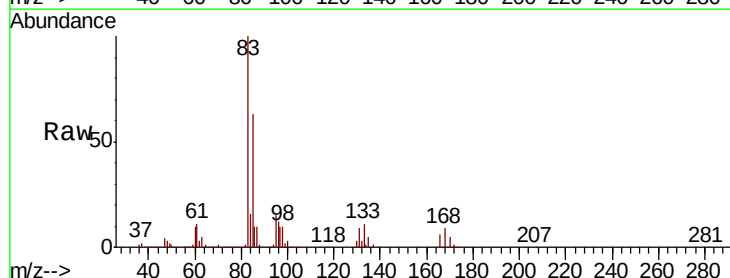
Tgt Ion: 83 Resp: 272130

Ion Ratio Lower Upper

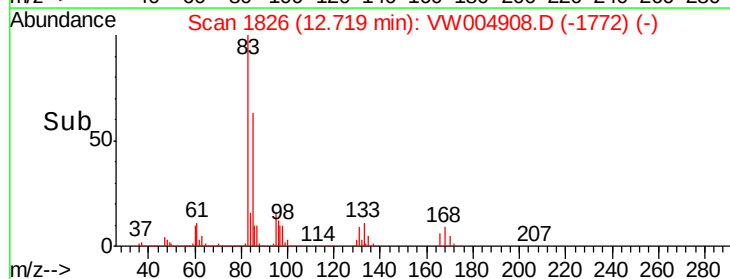
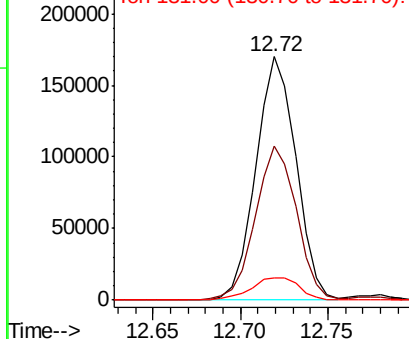
83 100

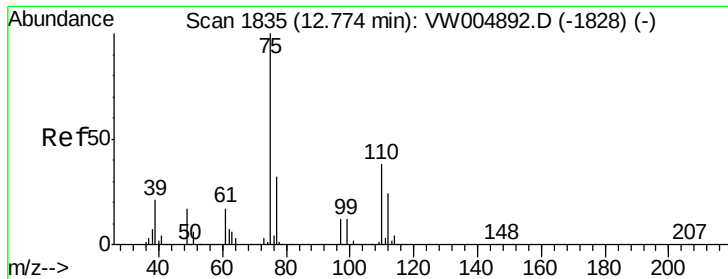
85 63.4 46.3 85.9

131 9.4 7.8 11.6



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): VW





#59

1,2,3-Trichloropropane

Concen: 27.070 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004908.D

Acq: 23 Aug 2018 20:24

Instrument :

MSVOA_W

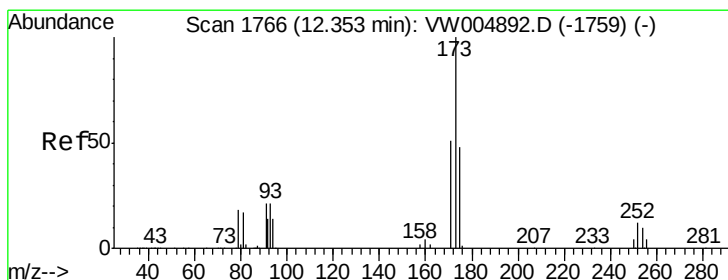
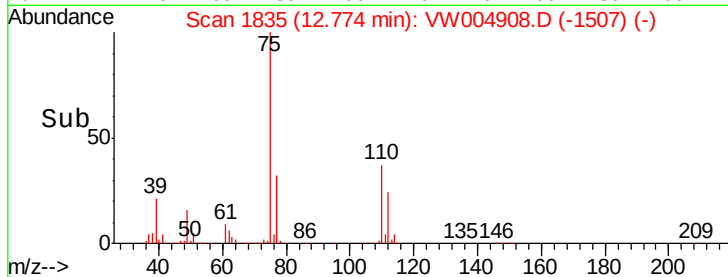
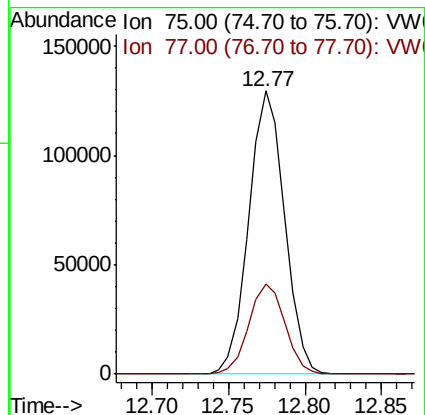
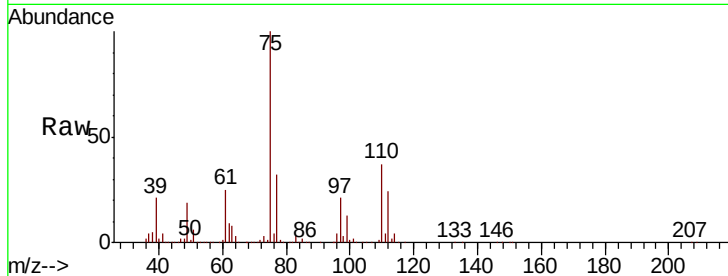
ClientSampled :

Tot Ion: 75 Resp: 210516

Ion Ratio Lower Upper

75 100

77 32.1 25.3 37.9



#62

Bromoform

Concen: 26.087 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004908.D

Acq: 23 Aug 2018 20:24

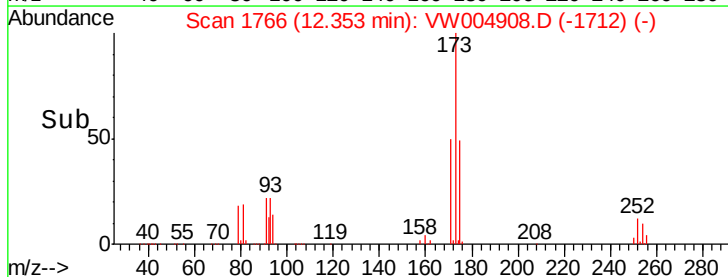
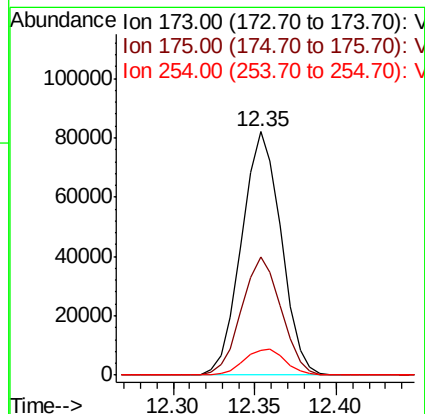
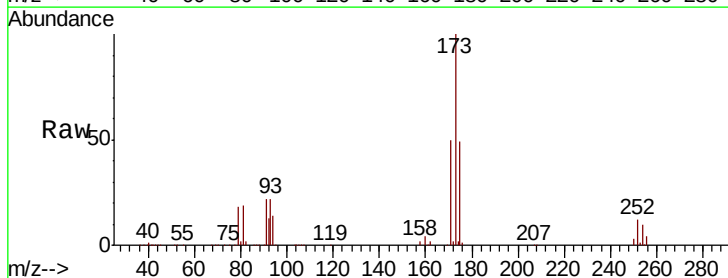
Tgt Ion: 173 Resp: 138754

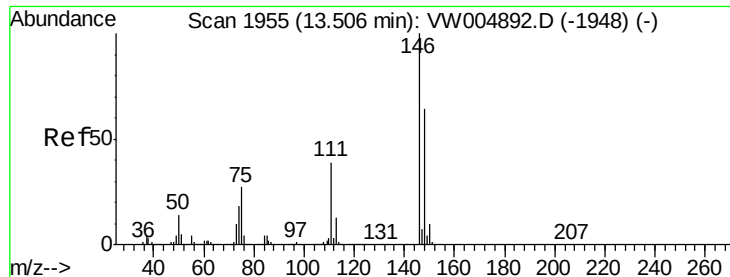
Ion Ratio Lower Upper

173 100

175 48.5 39.0 58.6

254 11.0 9.0 13.6





#63

1,3-Dichlorobenzene

Concen: 25.047 ug/L

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004908.D

Acq: 23 Aug 2018 20:24

Instrument :

MSVOA_W

ClientSampled :

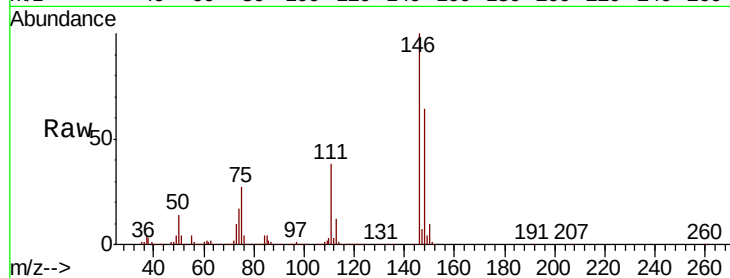
Tot Ion:146 Resp: 578880

Ion Ratio Lower Upper

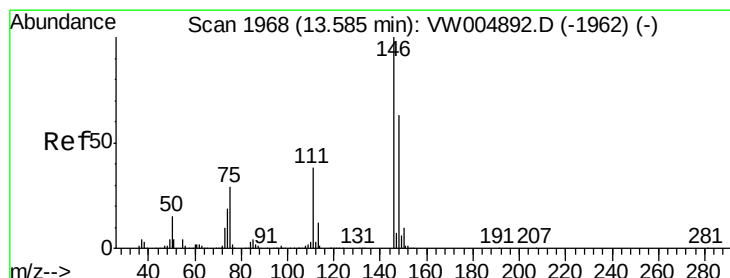
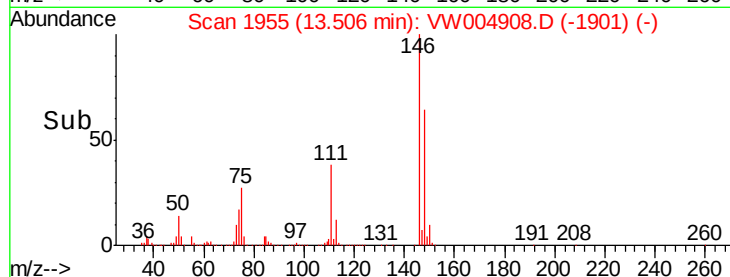
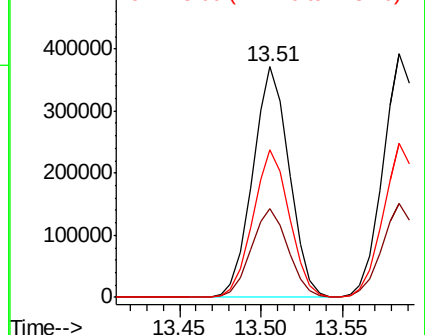
146 100

111 38.3 25.6 47.6

148 63.9 42.7 79.3



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



#64

1,4-Dichlorobenzene

Concen: 24.948 ug/L

RT: 13.58 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VW004908.D

Acq: 23 Aug 2018 20:24

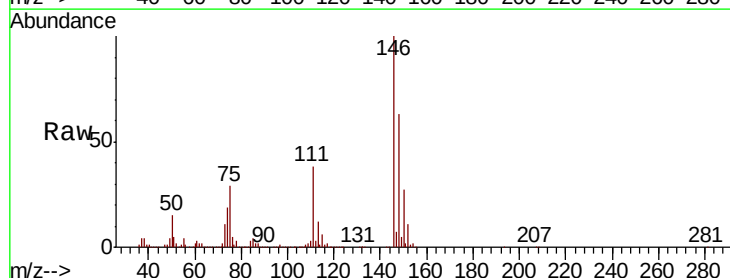
Tgt Ion:146 Resp: 603664

Ion Ratio Lower Upper

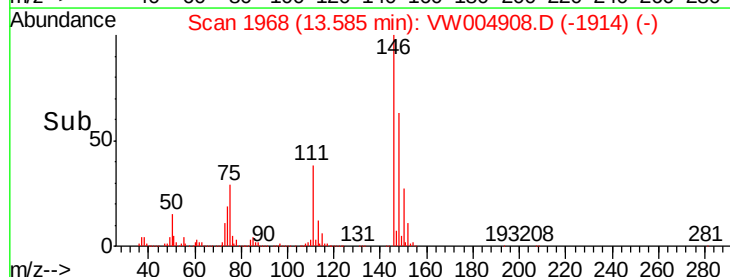
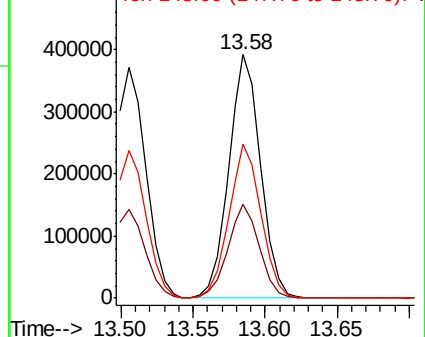
146 100

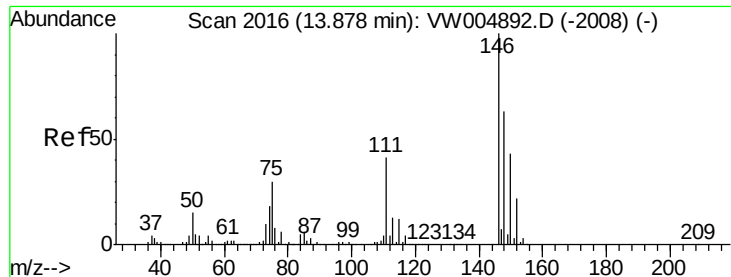
111 38.3 27.6 51.4

148 63.1 45.8 85.0



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

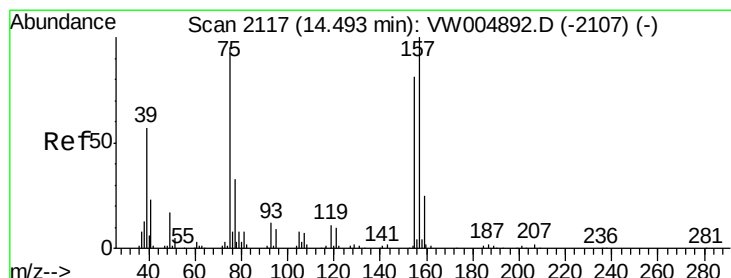
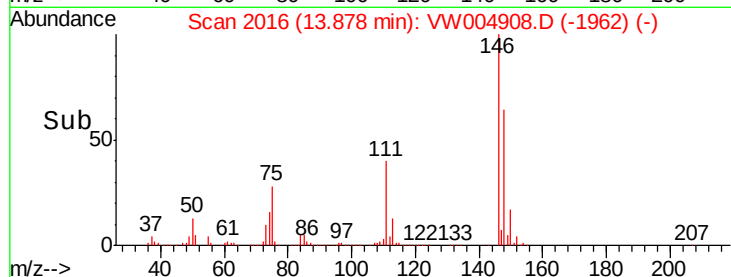
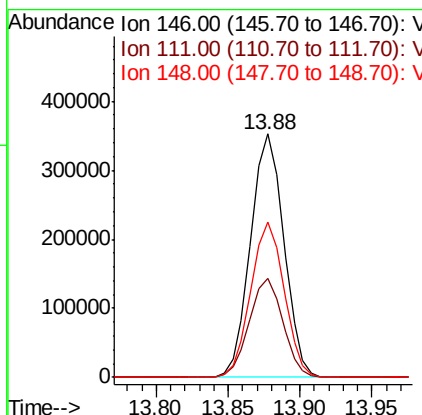
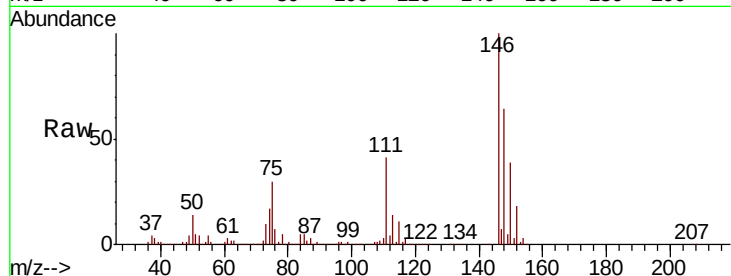




#65
 1,2-Dichlorobenzene
 Concen: 25.469 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004908.D
 Acq: 23 Aug 2018 20:24

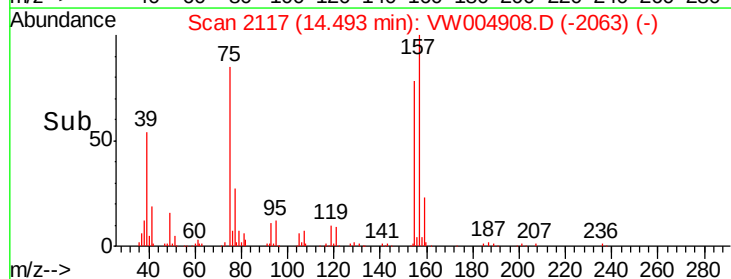
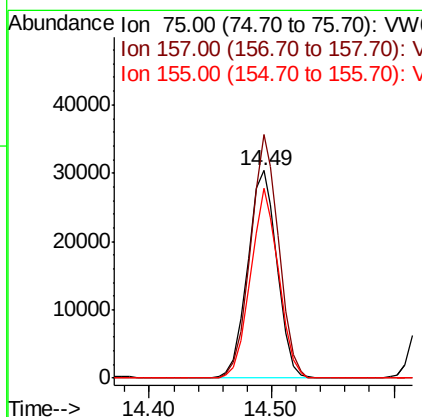
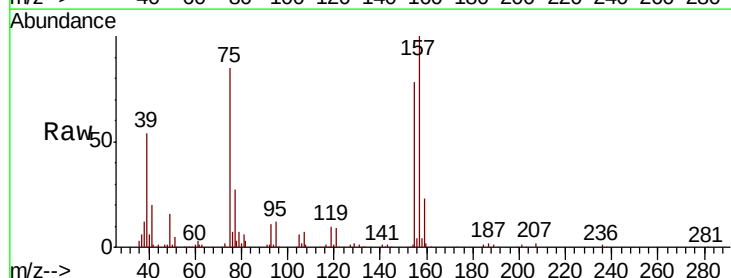
Instrument :
 MSVOA_W
 ClientSampleId :

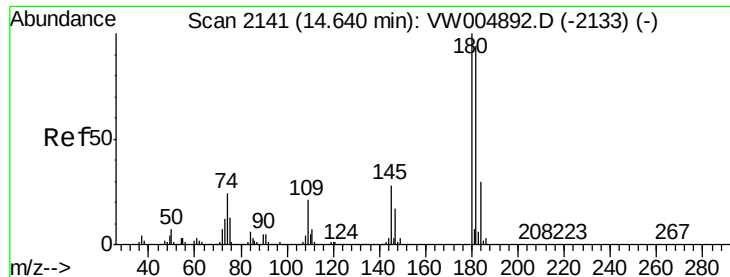
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	32.0	48.0
148	64.0	50.6	75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 26.814 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004908.D
 Acq: 23 Aug 2018 20:24

Tgt Ion	Ratio	Lower	Upper
75	100		
157	117.5	90.7	136.1
155	91.6	69.5	104.3

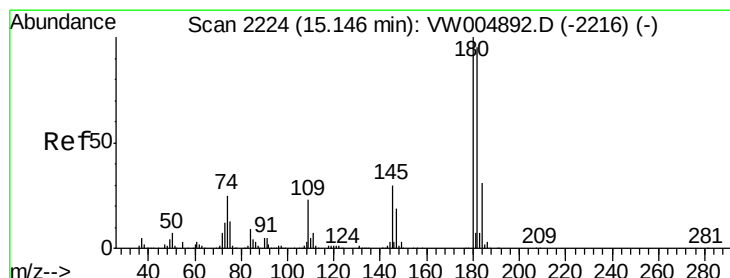
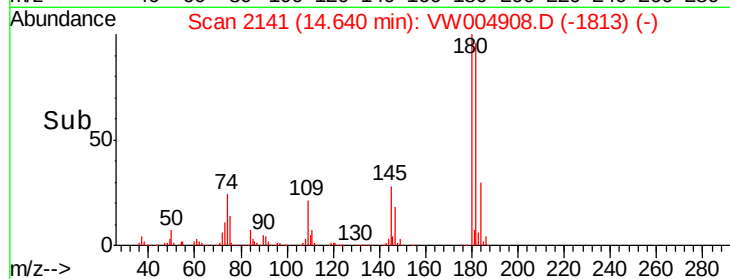
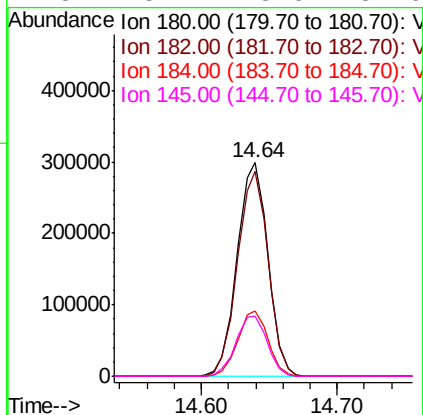
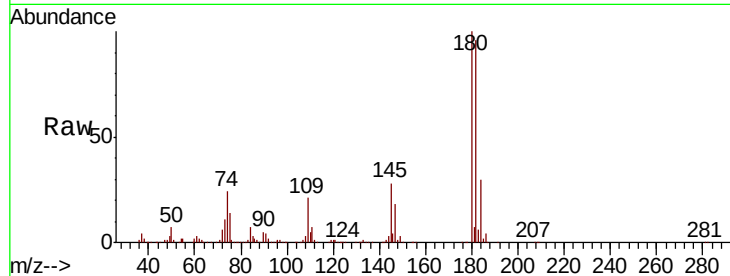




#67
 1,3,5-Trichlorobenzene
 Concen: 25.436 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VW004908.D
 Acq: 23 Aug 2018 20:24

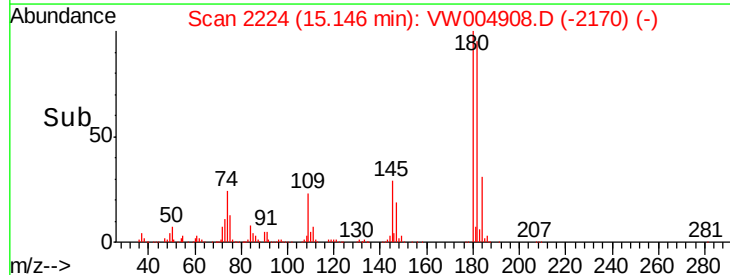
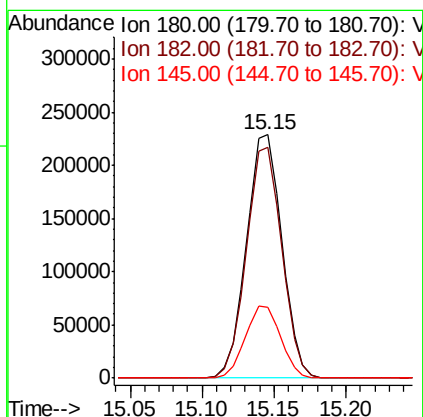
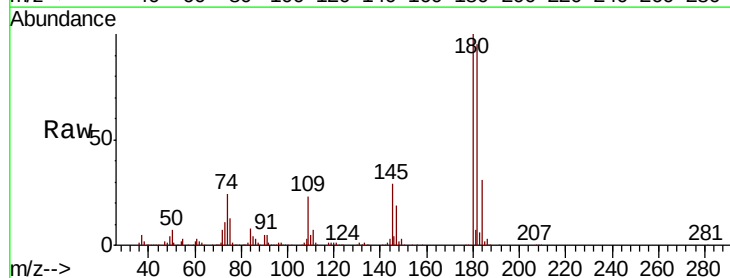
Instrument :
 MSVOA_W
 ClientSampled :

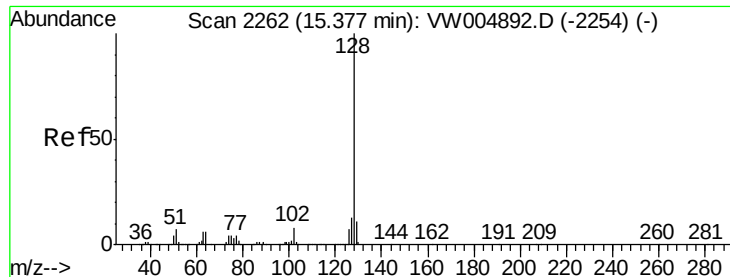
Tot Ion	180	Resp	470400
Ion Ratio	100	Lower	Upper
180	100		
182	95.4	76.0	114.0
184	30.2	24.3	36.5
145	28.7	23.0	34.6



#68
 1,2,4-trichlorobenzene
 Concen: 26.066 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004908.D
 Acq: 23 Aug 2018 20:24

Tgt Ion	180	Resp	389205
Ion Ratio	100	Lower	Upper
180	100		
182	94.6	76.1	114.1
145	29.6	23.3	34.9





#69

Naphthalene

Concen: 28.758 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004908.D

Acq: 23 Aug 2018 20:24

Instrument :

MSVOA_W

ClientSampleId :

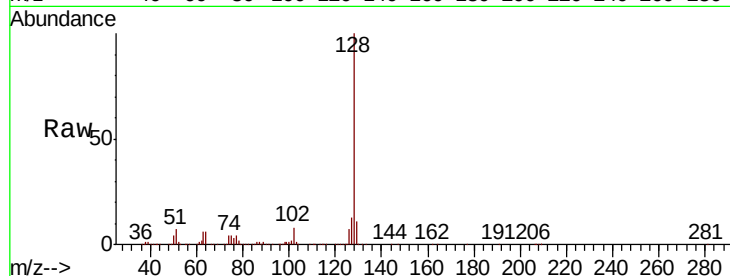
Tot Ion:128 Resp: 872821

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

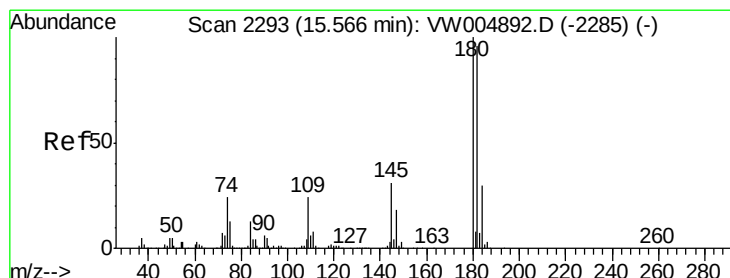
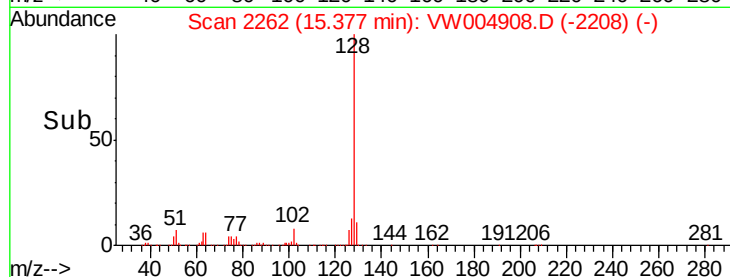
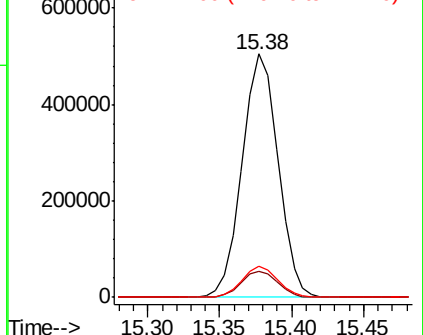
127 12.8 10.6 15.8



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: 27.121 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW004908.D

Acq: 23 Aug 2018 20:24

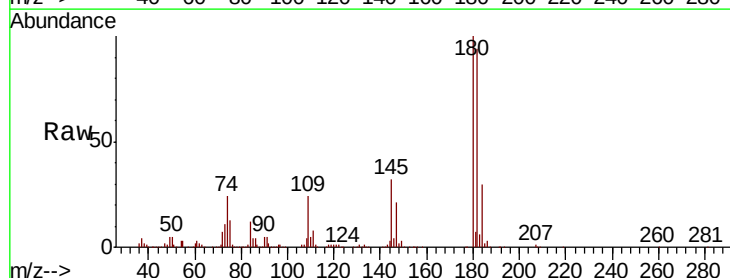
Tgt Ion:180 Resp: 381436

Ion Ratio Lower Upper

180 100

182 94.6 75.8 113.6

145 31.3 24.6 37.0



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

