

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072718\
 Data File : VW004229.D
 Acq On : 26 Jul 2018 14:30
 Operator : SY/AP
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 27 01:50:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072618S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 26 14:18:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	352370	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	320820	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	160450	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	82858	23.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.44%
7) Chloroethane-d5	2.89	69	60682	23.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.08%
10) 1,1-Dichloroethene-d2	4.01	63	207736	24.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	98.12%
20) 2-Butanone-d5	7.08	46	114179	56.85	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.70%
24) Chloroform-d	7.65	84	208157	23.07	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.28%
26) 1,2-Dichloroethane-d4	8.31	65	124866	23.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.04%
29) Benzene-d6	8.28	84	417938	24.58	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.32%
33) 1,2-Dichloropropane-d6	9.27	67	133565	23.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.48%
37) Toluene-d8	10.32	98	399872	24.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.52%
38) trans-1,3-Dichloropropene-	10.58	79	63112	24.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.36%
39) 2-Hexanone-d5	10.93	63	85185	57.32	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.64%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	141221	24.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.80%
61) 1,2-Dichlorobenzene-d4	13.86	152	144131	24.03	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.12%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.00	85	59069	25.200	ug/L 99
3) Chloromethane	2.21	50	85616	25.874	ug/L 99
5) Vinyl chloride	2.36	62	114287	25.885	ug/L 94
6) Bromomethane	2.77	94	63366	25.617	ug/L 100
8) Chloroethane	2.92	64	61298	25.835	ug/L 100
9) Trichlorofluoromethane	3.25	101	55993	26.204	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	111566	26.499	ug/L 97
12) 1,1-Dichloroethene	4.03	96	107758	26.443	ug/L 88
13) Acetone	4.12	43	136286	67.209	ug/L 100
14) Carbon disulfide	4.37	76	351868	26.818	ug/L 99
15) Methyl Acetate	4.67	43	98696	29.259	ug/L 100
16) Methylene chloride	4.91	84	117143	23.711	ug/L 100
17) Methyl tert-butyl Ether	5.42	73	214902	26.565	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	116519	27.148	ug/L 97
19) 1,1-Dichloroethane	6.21	63	219235	26.222	ug/L 99
21) 2-Butanone	7.17	43	155137	60.695	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	126660	26.545	ug/L 97

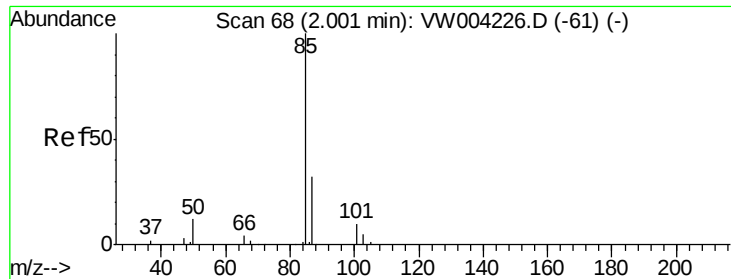
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072718\
 Data File : VW004229.D
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 Quant Title : VOC Analysis
 QLast Update : Thu Jul 26 14:18:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	57491	25.452	ug/L	99
25) Chloroform	7.67	83	219546	25.610	ug/L	99
27) 1,2-Dichloroethane	8.40	62	157474	24.974	ug/L	99
30) Cyclohexane	7.95	56	210276	29.620	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	173395	26.782	ug/L	99
32) Carbon tetrachloride	8.07	117	170534	27.081	ug/L	99
34) Benzene	8.32	78	494768	26.825	ug/L	100
35) Trichloroethene	9.09	95	127133	26.202	ug/L	100
36) Methylcyclohexane	9.34	83	223916	27.614	ug/L	98
40) 1,2-Dichloropropane	9.37	63	130368	26.033	ug/L	100
41) Bromodichloromethane	9.65	83	159129	25.733	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	191774	26.327	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	261721	58.667	ug/L	99
44) Toluene	10.39	91	526939	27.032	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	176237	26.382	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	100634	25.883	ug/L	99
47) Tetrachloroethene	10.87	164	104926	27.034	ug/L	94
49) 2-Hexanone	10.97	43	213361	61.041	ug/L	97
50) Dibromochloromethane	11.13	129	114939	25.920	ug/L	98
51) 1,2-Dibromoethane	11.24	107	98775	26.056	ug/L	90
52) Chlorobenzene	11.66	112	323691	26.054	ug/L	96
53) Ethylbenzene	11.74	91	576369	27.401	ug/L	97
54) m,p-Xylene	11.84	106	216259	27.335	ug/L	97
55) o-xylene	12.17	106	198161	26.761	ug/L	96
56) Styrene	12.19	104	353019	27.506	ug/L	97
57) Isopropylbenzene	12.47	105	557635	27.719	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	147460	26.604	ug/L	94
59) 1,2,3-Trichloropropane	12.77	75	114803	26.941	ug/L	99
62) Bromoform	12.35	173	74641	25.911	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	247545	26.221	ug/L	99
64) 1,4-Dichlorobenzene	13.59	146	262373	26.320	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	238169	25.895	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.49	75	29828	28.877	ug/L	94
67) 1,3,5-Trichlorobenzene	14.64	180	195457	26.765	ug/L	97
68) 1,2,4-trichlorobenzene	15.15	180	158969	26.692	ug/L	99
69) Naphthalene	15.38	128	397390	29.039	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	156074	27.089	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 25.200 ug/L

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW004229.D

Acq: 26 Jul 2018 14:30

Instrument :

MSVOA_W

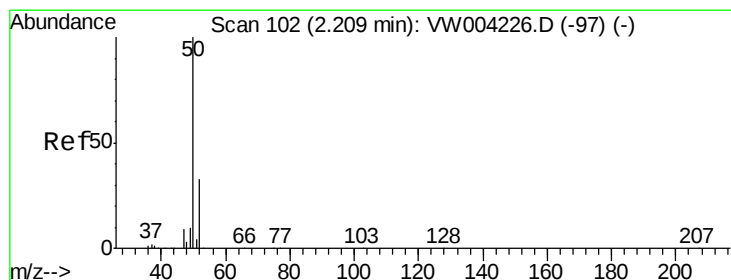
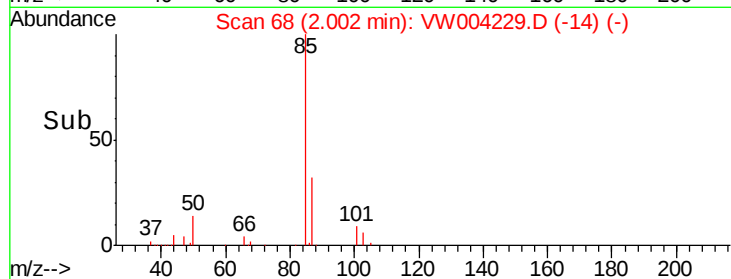
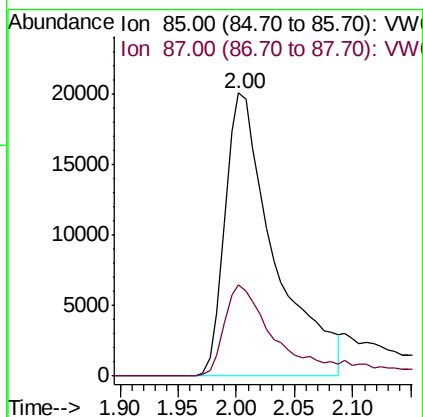
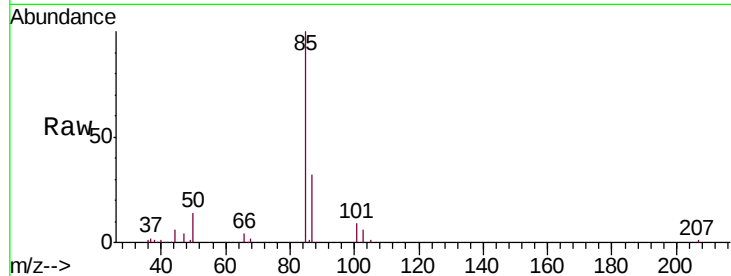
ClientSampled :

Tot Ion: 85 Resp: 59069

Ion Ratio Lower Upper

85 100

87 32.2 22.7 42.3



#3

Chloromethane

Concen: 25.874 ug/L

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW004229.D

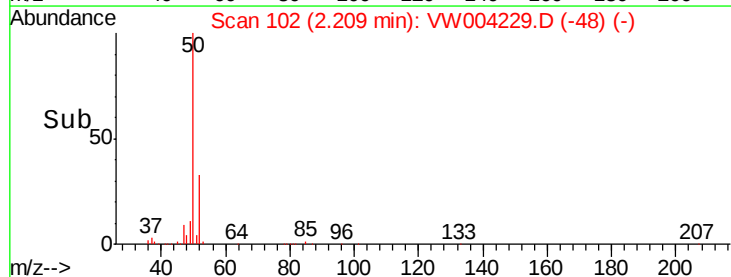
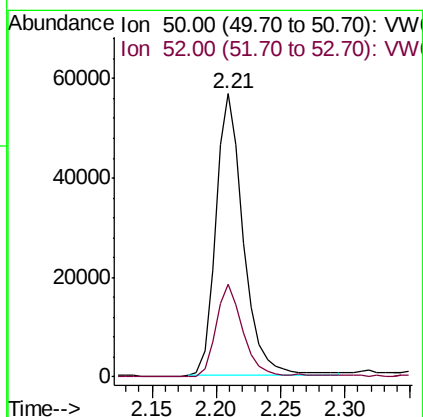
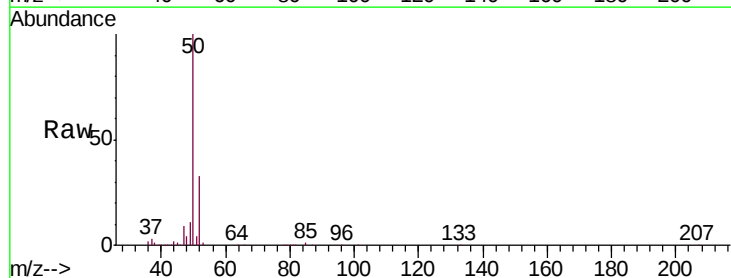
Acq: 26 Jul 2018 14:30

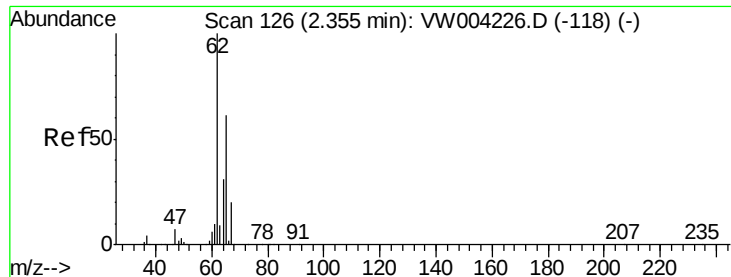
Tgt Ion: 50 Resp: 85616

Ion Ratio Lower Upper

50 100

52 32.6 23.2 43.2





#5

Vinyl chloride

Concen: 25.885 ug/L

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

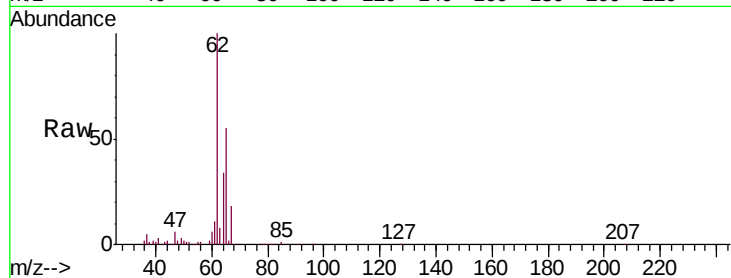
Lab File: VW004229.D

Acq: 26 Jul 2018 14:30

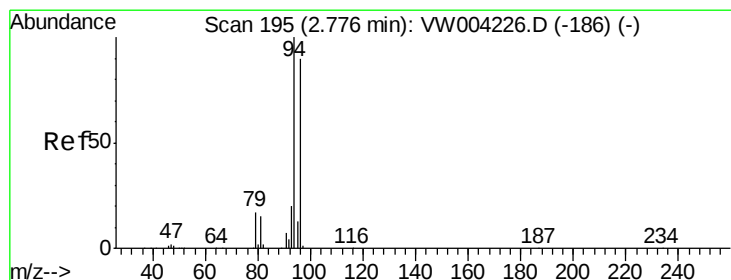
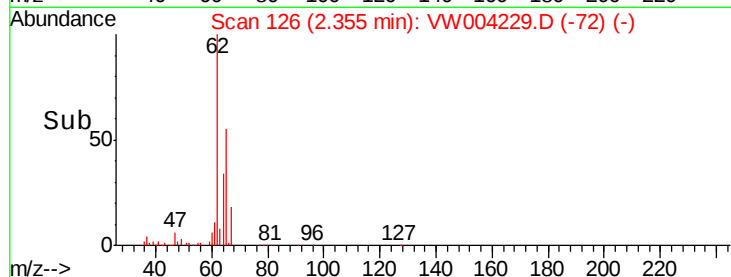
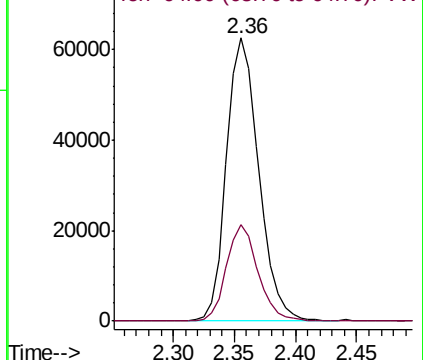
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 62 Resp: 114287

Ion	Ratio	Lower	Upper
62	100		
64	34.1	21.4	39.8



Abundance Ion 62.00 (61.70 to 62.70): VW
Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 25.617 ug/L

RT: 2.77 min Scan# 194

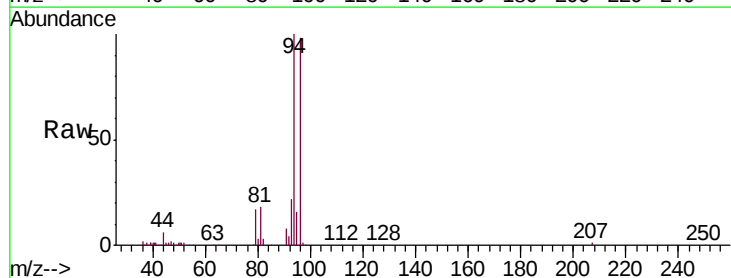
Delta R.T. -0.01 min

Lab File: VW004229.D

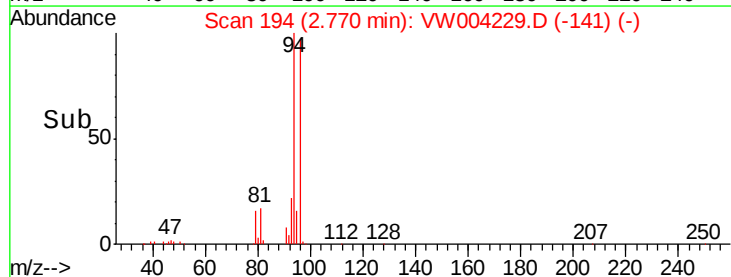
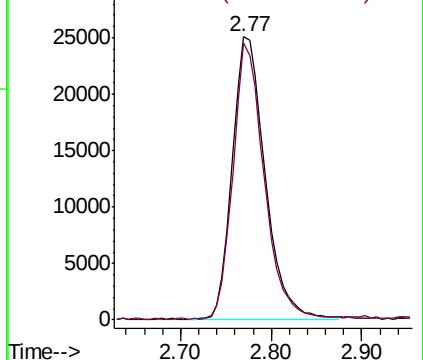
Acq: 26 Jul 2018 14:30

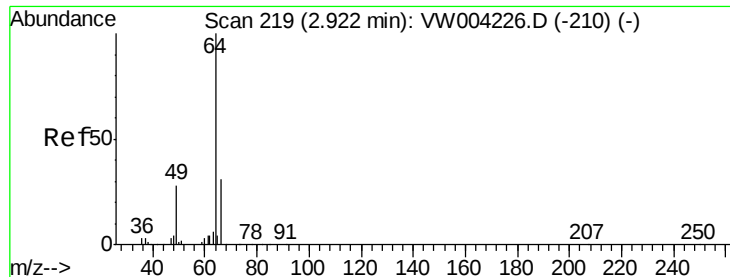
Tgt Ion: 94 Resp: 63366

Ion	Ratio	Lower	Upper
94	100		
96	92.1	9.2	175.6



Abundance Ion 94.00 (93.70 to 94.70): VW
Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 25.835 ug/L

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW004229.D

Acq: 26 Jul 2018 14:30

Instrument :

MSVOA_W

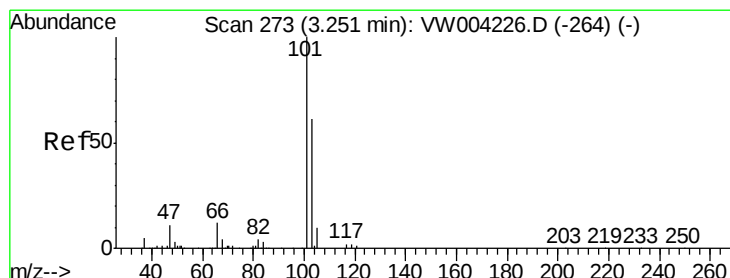
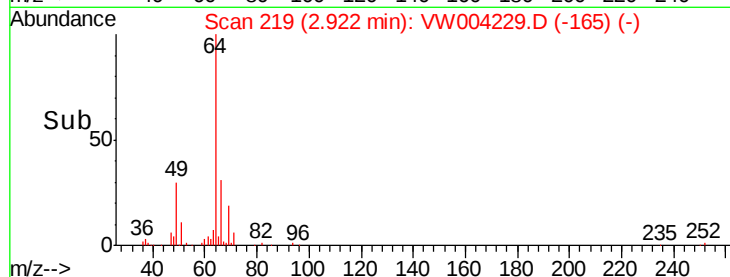
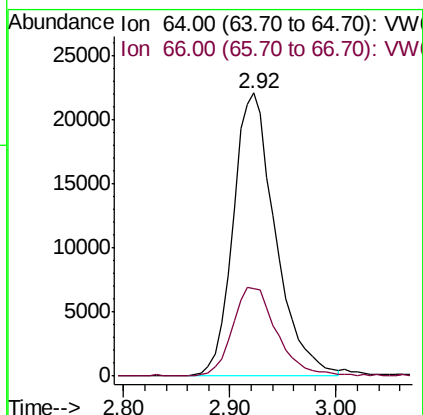
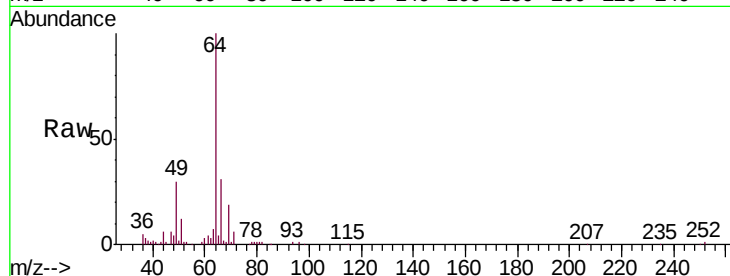
ClientSampleId :

Tot Ion: 64 Resp: 61298

Ion Ratio Lower Upper

64 100

66 30.9 21.6 40.2



#9

Trichlorofluoromethane

Concen: 26.204 ug/L

RT: 3.25 min Scan# 272

Delta R.T. -0.01 min

Lab File: VW004229.D

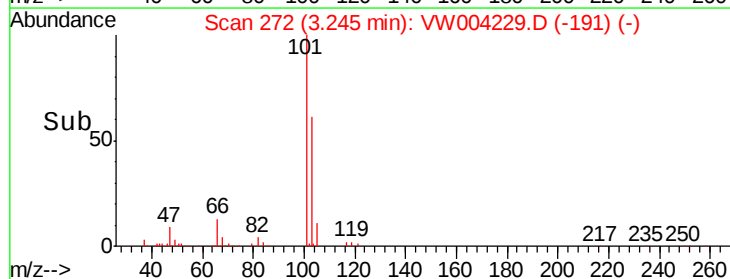
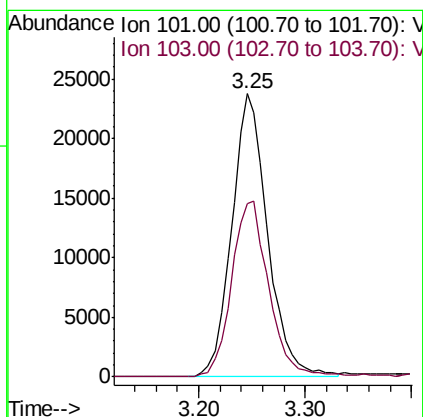
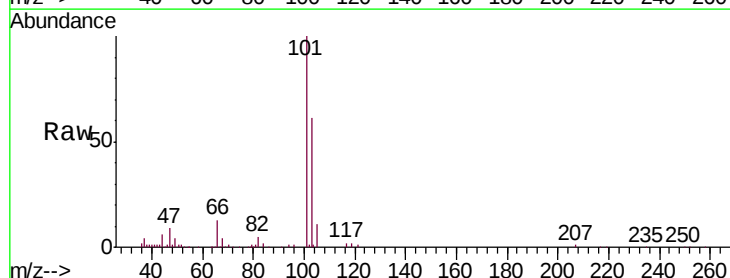
Acq: 26 Jul 2018 14:30

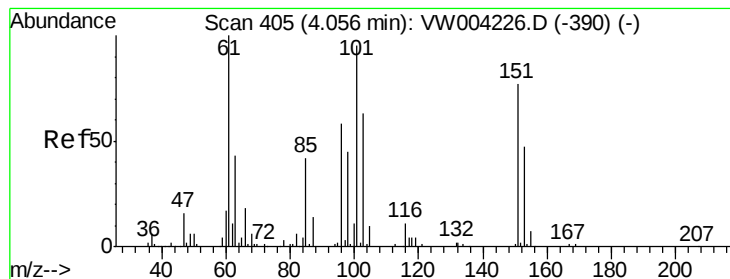
Tgt Ion: 101 Resp: 55993

Ion Ratio Lower Upper

101 100

103 64.1 44.6 82.8





#11

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

Concen: 26.499 ug/L

RT: 4.05 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW004229.D

Acq: 26 Jul 2018 14:30

Instrument :

MSVOA_W

ClientSampled :

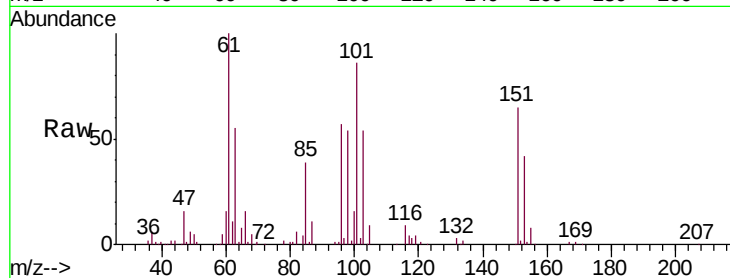
Tot Ion:101 Resp: 111566

Ion Ratio Lower Upper

101 100

85 44.9 35.8 53.8

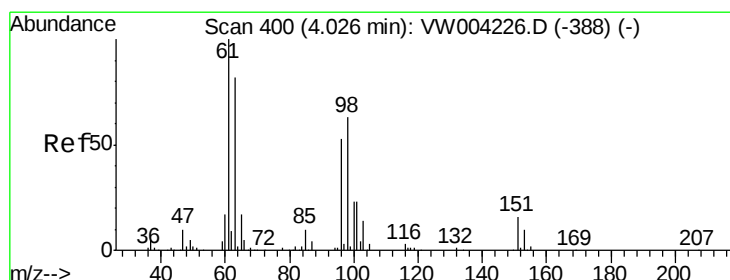
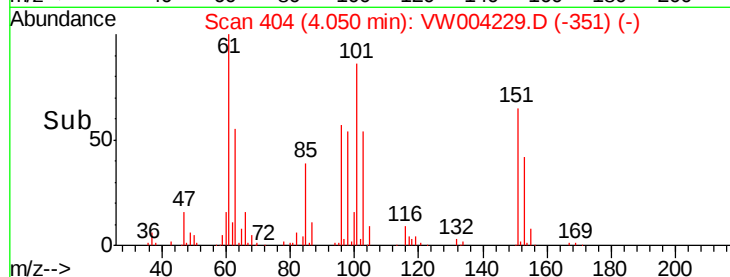
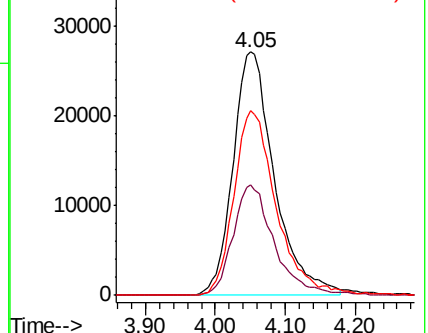
151 75.5 63.4 95.2



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: 26.443 ug/L

RT: 4.03 min Scan# 400

Delta R.T. 0.00 min

Lab File: VW004229.D

Acq: 26 Jul 2018 14:30

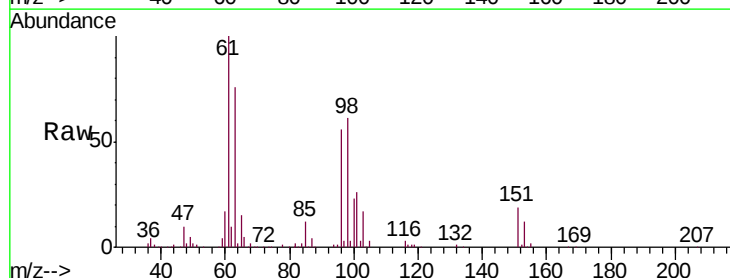
Tgt Ion: 96 Resp: 107758

Ion Ratio Lower Upper

96 100

61 179.2 133.1 247.3

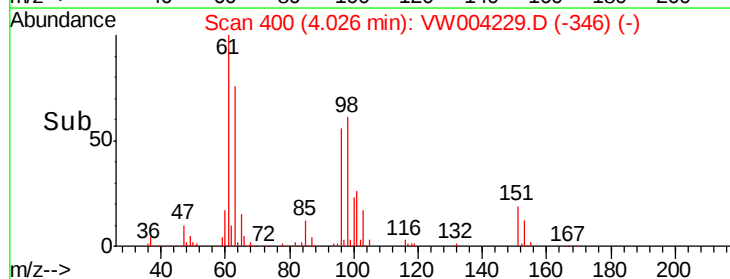
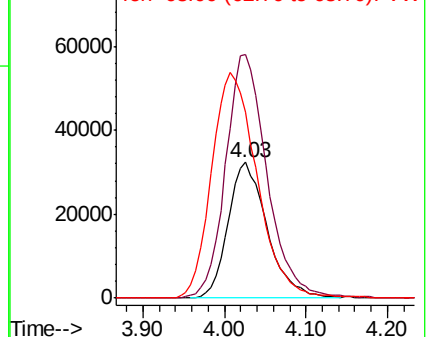
63 136.7 111.7 207.5

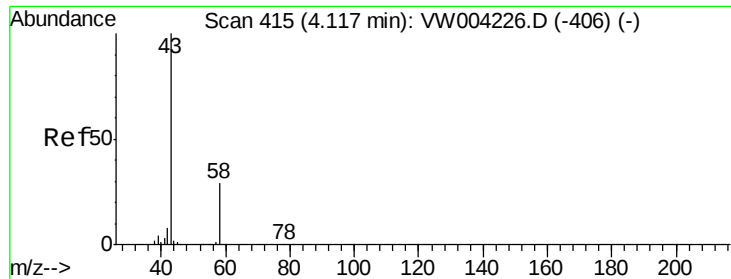


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 67.209 ug/L

RT: 4.12 min Scan# 415

Delta R.T. 0.00 min

Lab File: VW004229.D

Acq: 26 Jul 2018 14:30

Instrument :

MSVOA_W

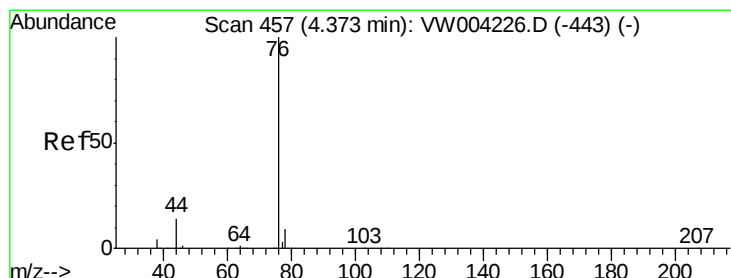
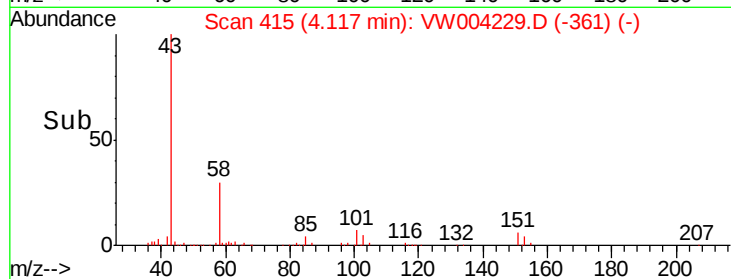
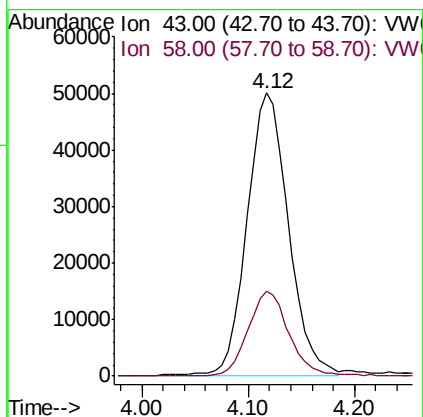
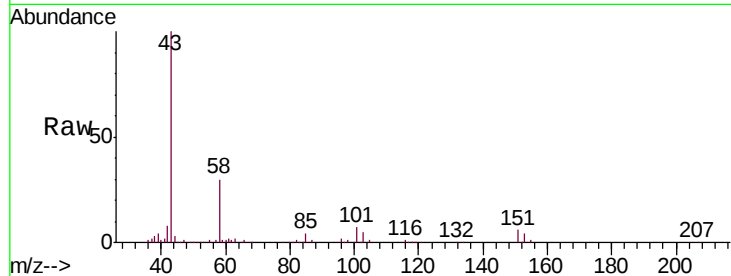
ClientSampled :

Tot Ion: 43 Resp: 136286

Ion Ratio Lower Upper

43 100

58 29.7 0.0 59.8



#14

Carbon disulfide

Concen: 26.818 ug/L

RT: 4.37 min Scan# 456

Delta R.T. -0.01 min

Lab File: VW004229.D

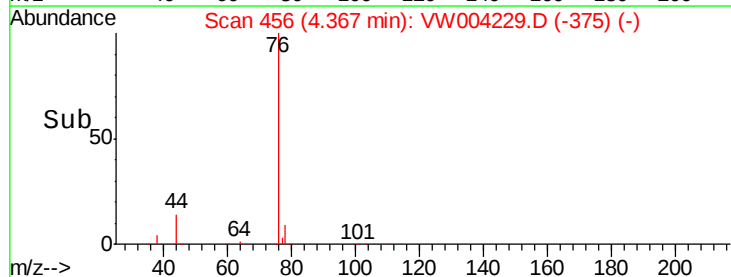
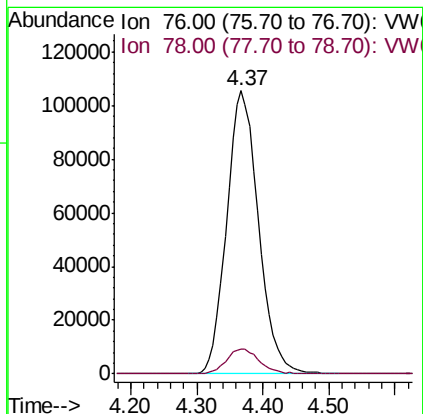
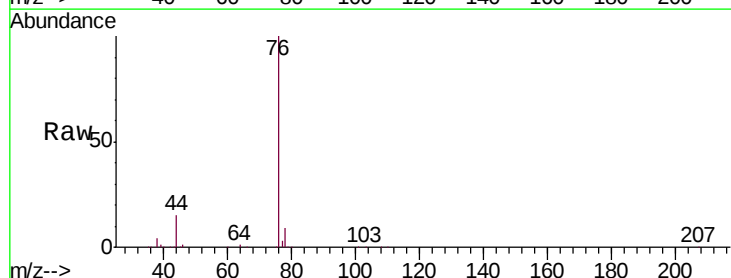
Acq: 26 Jul 2018 14:30

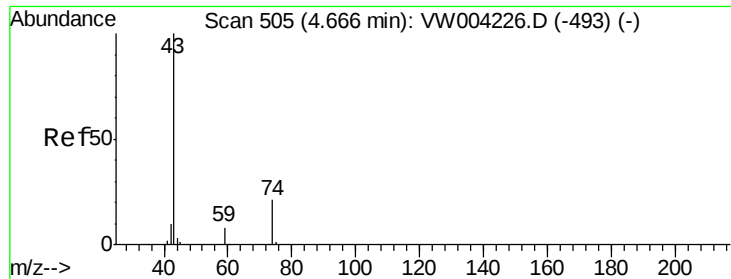
Tgt Ion: 76 Resp: 351868

Ion Ratio Lower Upper

76 100

78 8.6 7.0 10.6

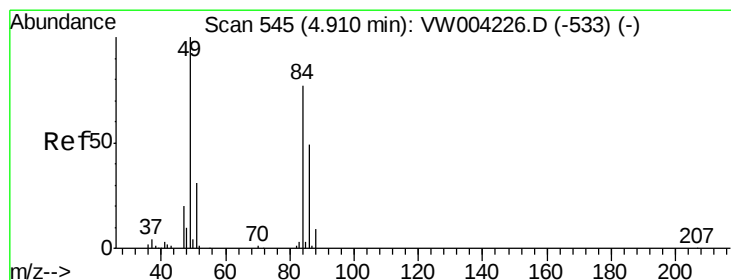
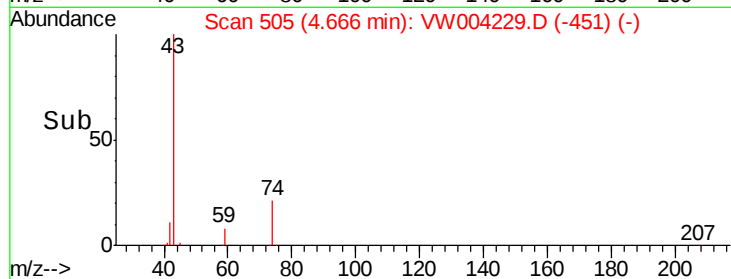
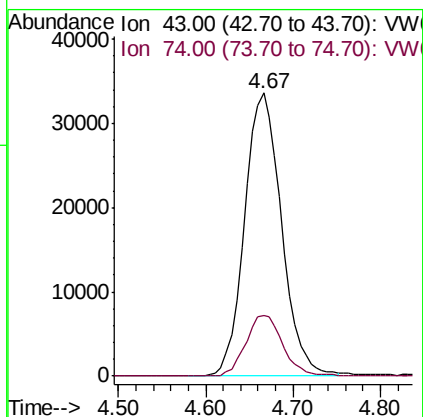
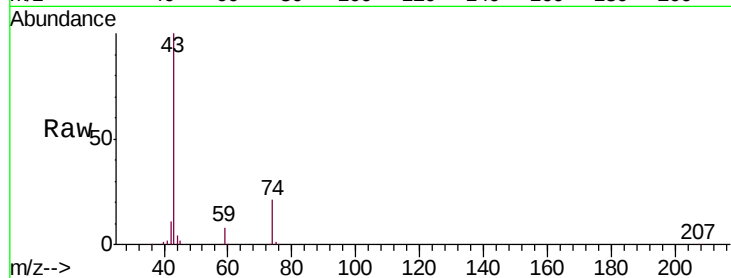




#15
Methvl Acetate
Concen: 29.259 ug/L
RT: 4.67 min Scan# 505
Delta R.T. 0.00 min
Lab File: VW004229.D
Acq: 26 Jul 2018 14:30

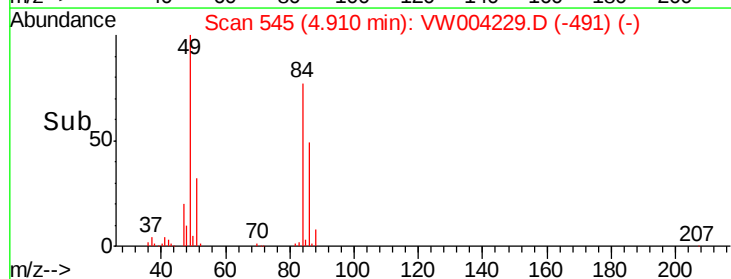
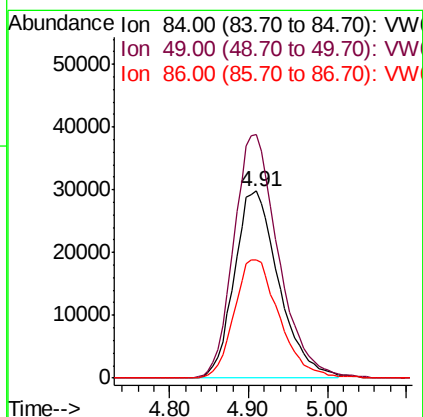
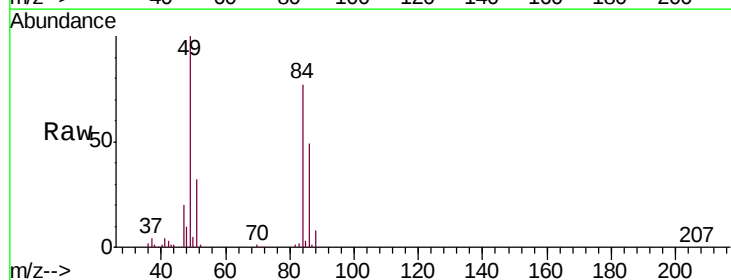
Instrument :
MSVOA_W
ClientSampleId :

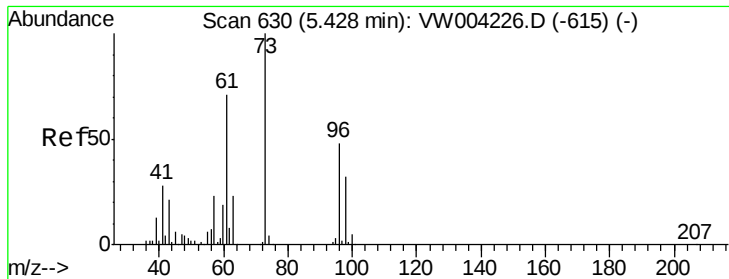
Tot Ion: 43 Resp: 98696
Ion Ratio Lower Upper
43 100
74 21.4 17.0 25.6



#16
Methylene chloride
Concen: 23.711 ug/L
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004229.D
Acq: 26 Jul 2018 14:30

Tgt Ion: 84 Resp: 117143
Ion Ratio Lower Upper
84 100
49 130.2 90.9 168.7
86 63.5 44.4 82.5

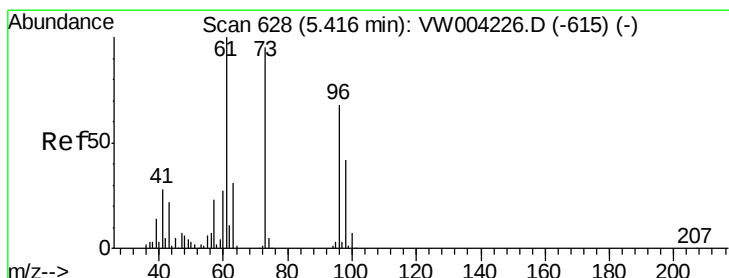
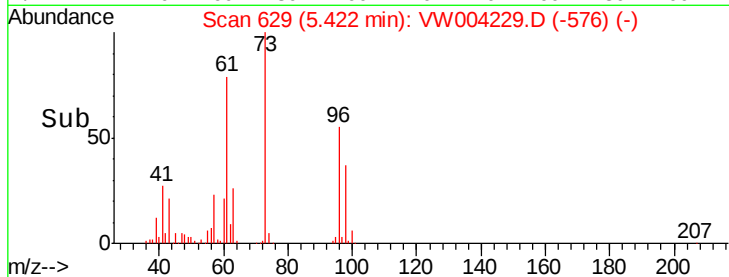
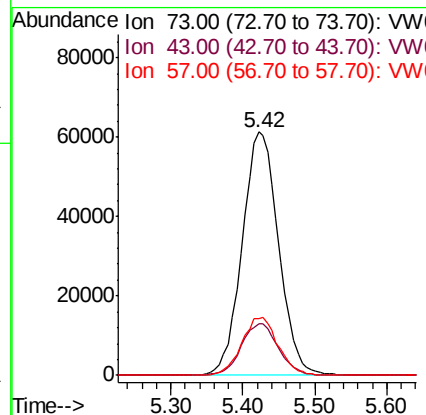
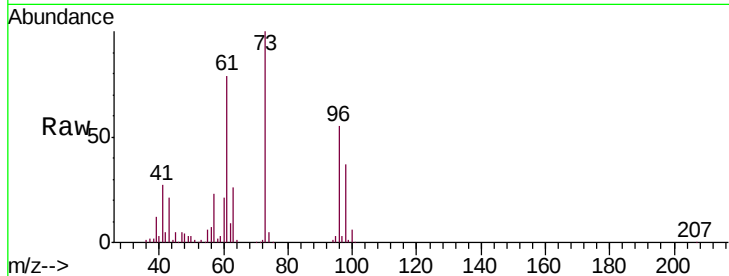




#17
Methvl tert-butvl Ether
Concen: 26.565 ug/L
RT: 5.42 min Scan# 629
Delta R.T. -0.01 min
Lab File: VW004229.D
Acq: 26 Jul 2018 14:30

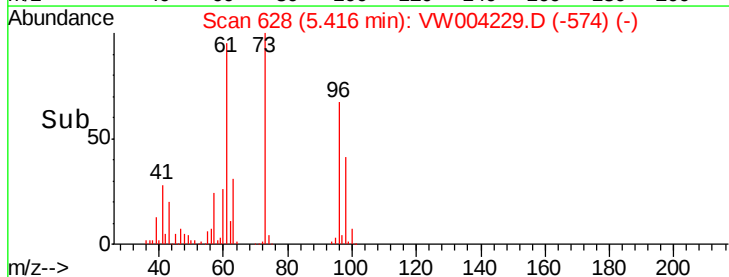
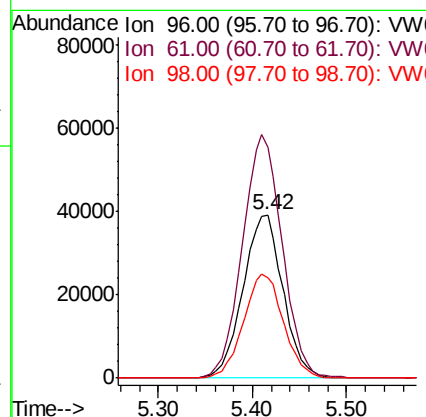
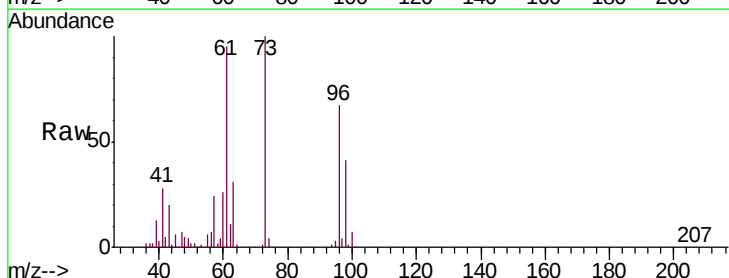
Instrument :
MSVOA_W
ClientSampled :

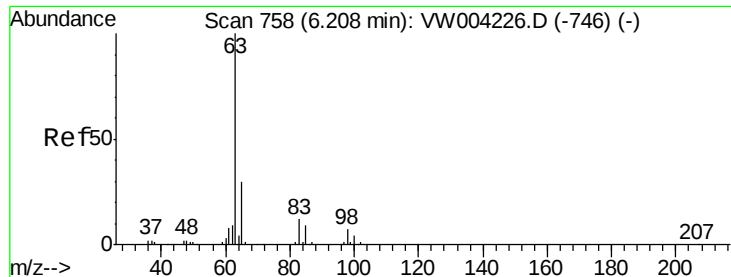
Tot Ion: 73 Resp: 214902
Ion Ratio Lower Upper
73 100
43 21.7 17.8 26.6
57 23.5 18.7 28.1



#18
trans-1,2-Dichloroethene
Concen: 27.148 ug/L
RT: 5.42 min Scan# 628
Delta R.T. 0.00 min
Lab File: VW004229.D
Acq: 26 Jul 2018 14:30

Tgt Ion: 96 Resp: 116519
Ion Ratio Lower Upper
96 100
61 141.1 102.4 190.2
98 61.5 43.1 80.1

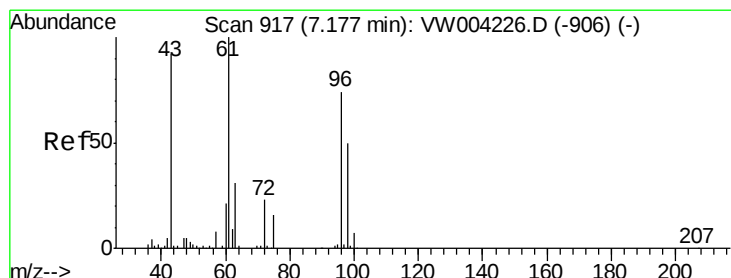
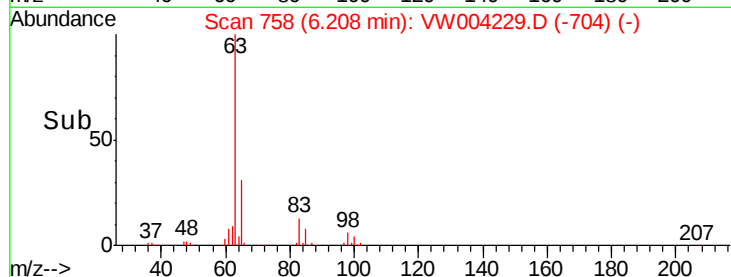
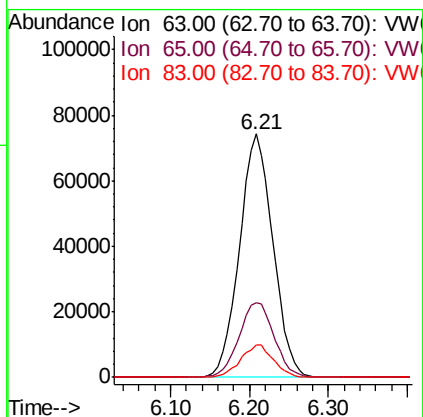
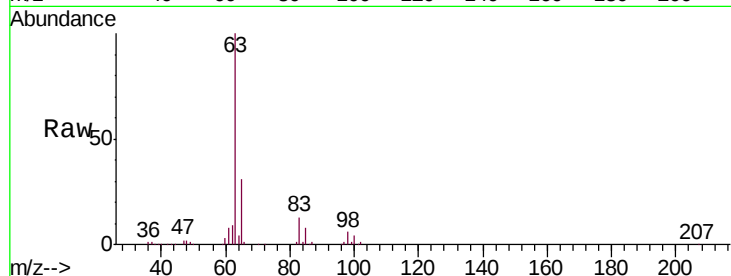




#19
 1,1-Dichloroethane
 Concen: 26.222 ug/L
 RT: 6.21 min Scan# 758
 Delta R.T. 0.00 min
 Lab File: VW004229.D
 Acq: 26 Jul 2018 14:30

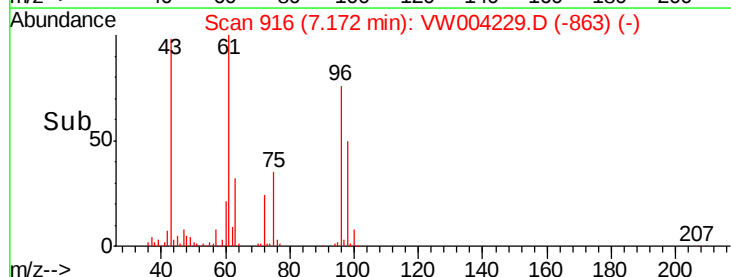
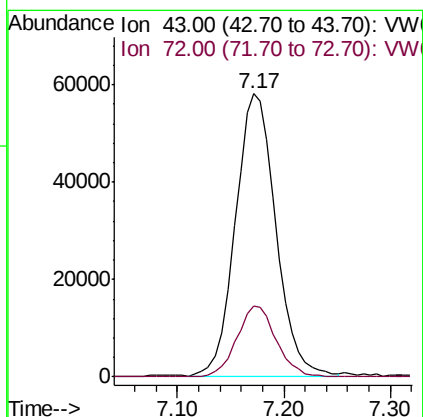
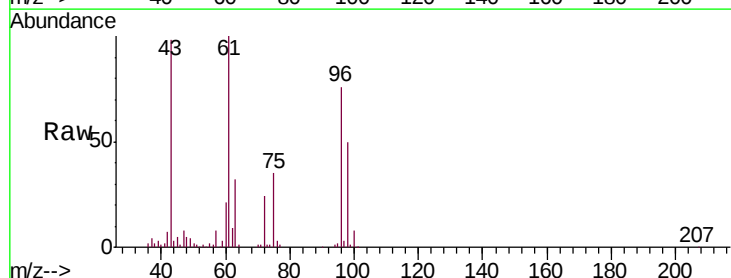
Instrument :
 MSVOA_W
 ClientSampleId :

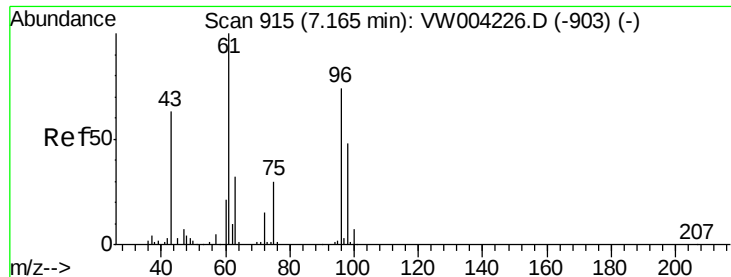
Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	21.3	39.6
83	13.1	8.6	16.0



#21
 2-Butanone
 Concen: 60.695 ug/L
 RT: 7.17 min Scan# 916
 Delta R.T. -0.01 min
 Lab File: VW004229.D
 Acq: 26 Jul 2018 14:30

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.4	12.3	36.9



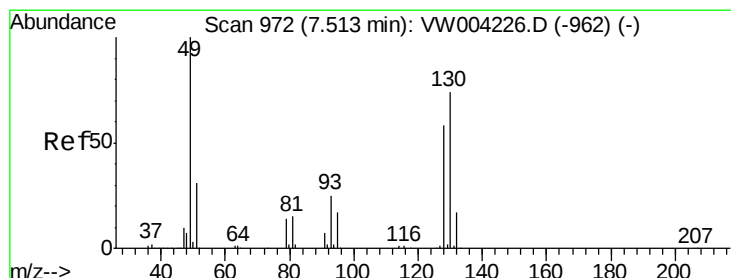
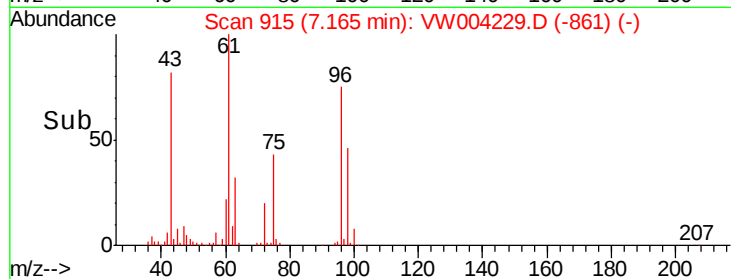
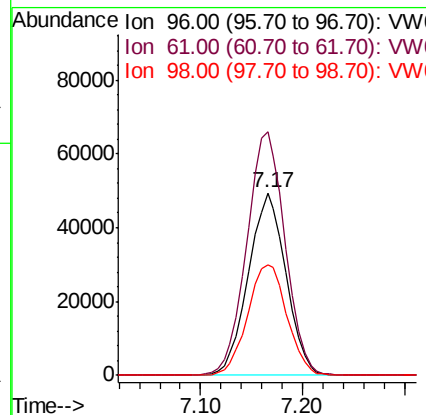
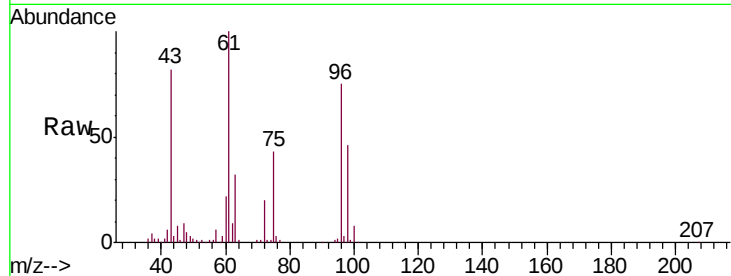


#22

cis-1,2-Dichloroethene
Concen: 26.545 ug/L
RT: 7.17 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW004229.D
Acq: 26 Jul 2018 14:30

Instrument :
MSVOA_W
ClientSampleId :

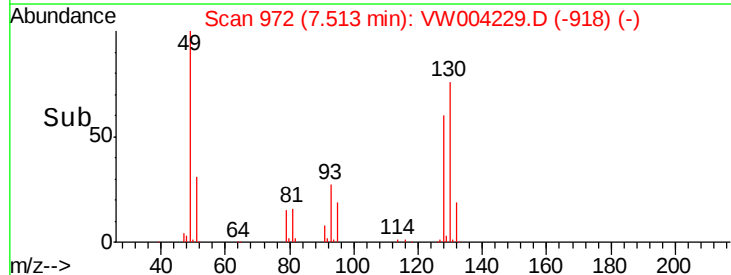
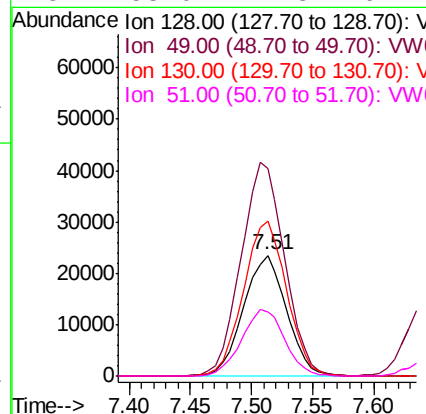
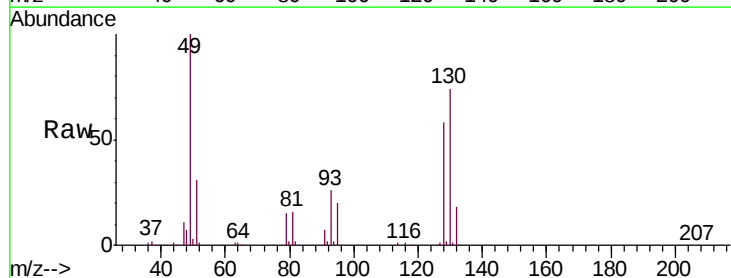
Tot Ion: 96 Resp: 126660
Ion Ratio Lower Upper
96 100
61 133.2 95.1 176.7
98 60.8 45.2 84.0

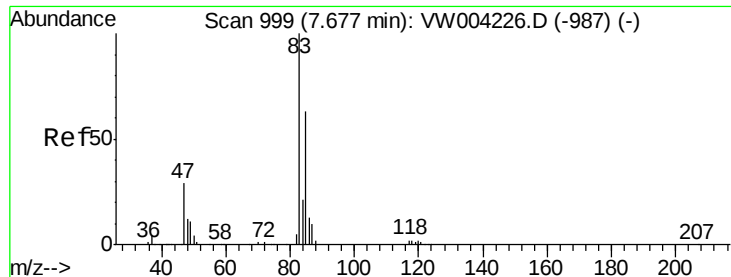


#23

Bromochloromethane
Concen: 25.452 ug/L
RT: 7.51 min Scan# 972
Delta R.T. 0.00 min
Lab File: VW004229.D
Acq: 26 Jul 2018 14:30

Tgt Ion: 128 Resp: 57491
Ion Ratio Lower Upper
128 100
49 172.5 120.5 223.7
130 128.1 88.5 164.4
51 53.0 42.8 64.2





#25

Chloroform

Concen: 25.610 ug/L

RT: 7.67 min Scan# 998

Delta R.T. -0.01 min

Lab File: VW004229.D

Acq: 26 Jul 2018 14:30

Instrument :

MSVOA_W

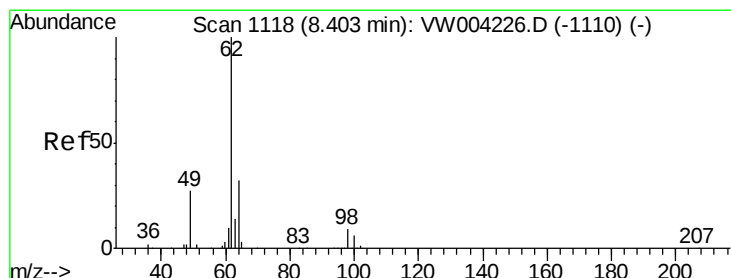
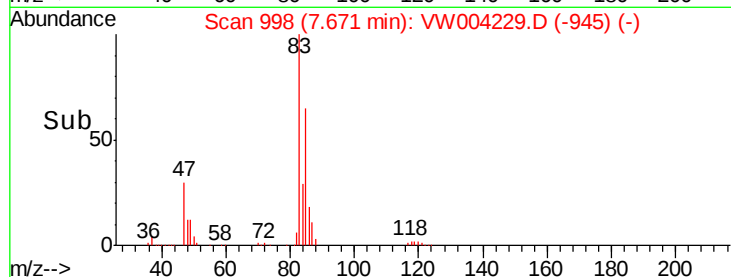
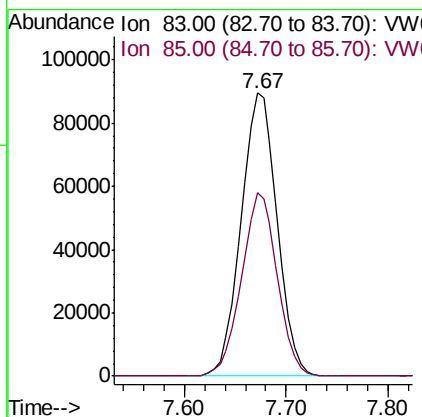
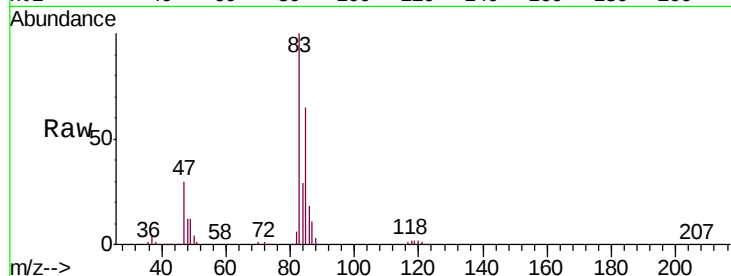
ClientSampled :

Tot Ion: 83 Resp: 219546

Ion Ratio Lower Upper

83 100

85 64.3 45.5 84.5



#27

1,2-Dichloroethane

Concen: 24.974 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW004229.D

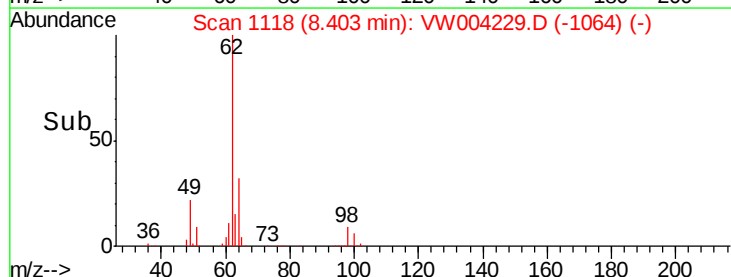
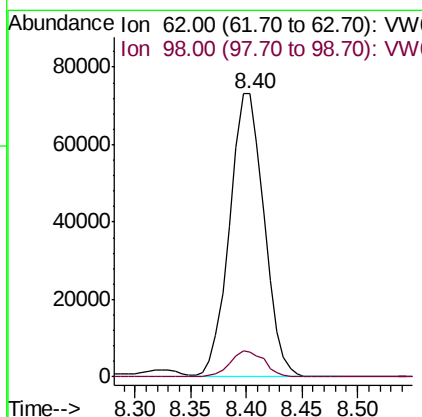
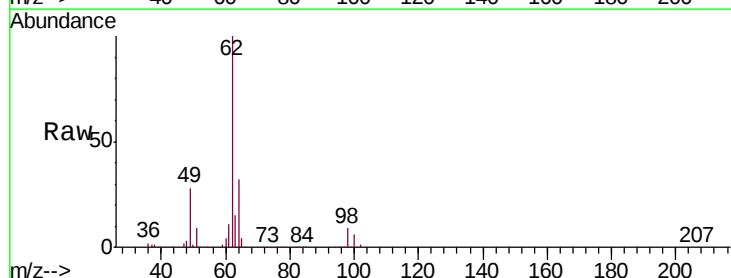
Acq: 26 Jul 2018 14:30

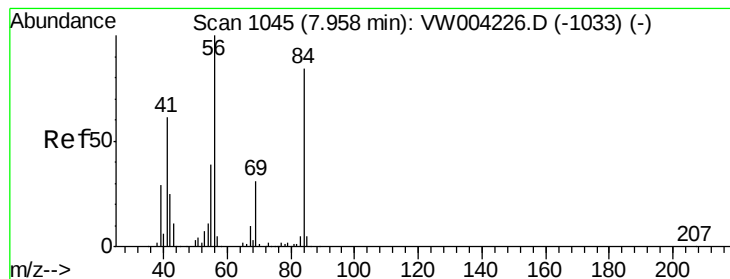
Tgt Ion: 62 Resp: 157474

Ion Ratio Lower Upper

62 100

98 9.0 7.0 10.4





#30

Cyclohexane

Concen: 29.620 ug/L

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW004229.D

Acq: 26 Jul 2018 14:30

Instrument :
MSVOA_W
ClientSampled :

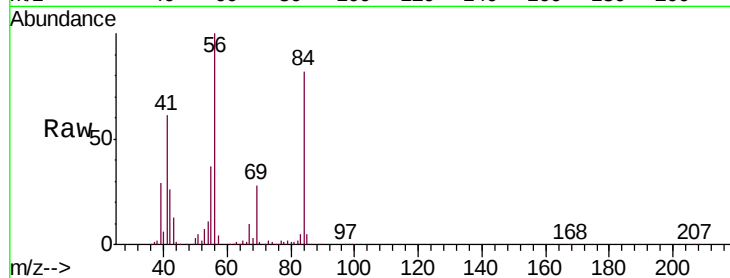
Tot Ion: 56 Resp: 210276

Ion Ratio Lower Upper

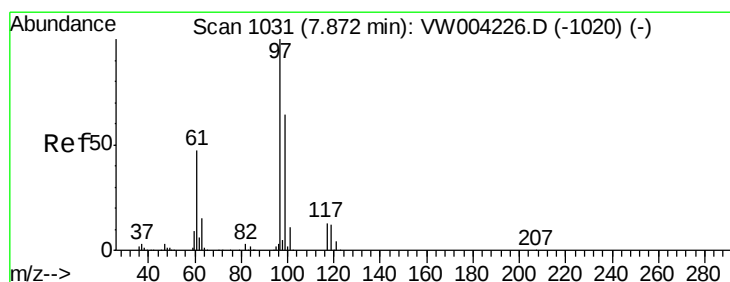
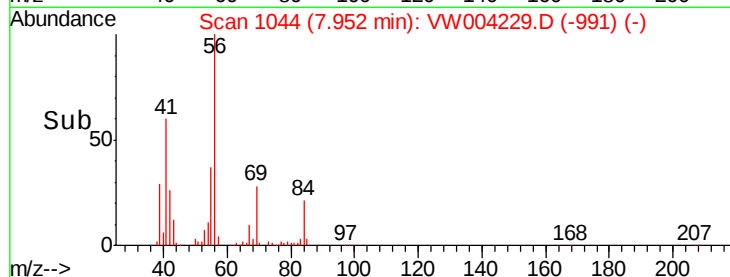
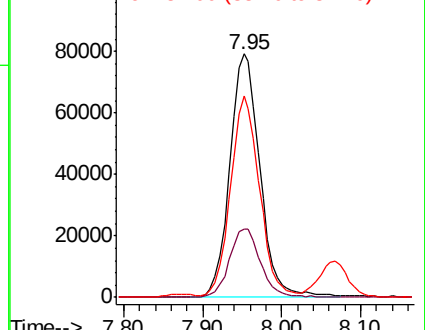
56 100

69 29.1 23.2 34.8

84 79.9 64.0 96.0



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: 26.782 ug/L

RT: 7.87 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VW004229.D

Acq: 26 Jul 2018 14:30

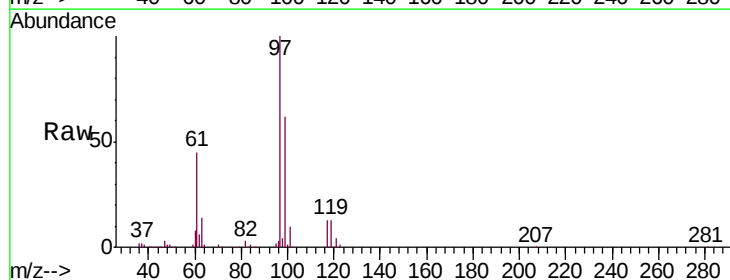
Tgt Ion: 97 Resp: 173395

Ion Ratio Lower Upper

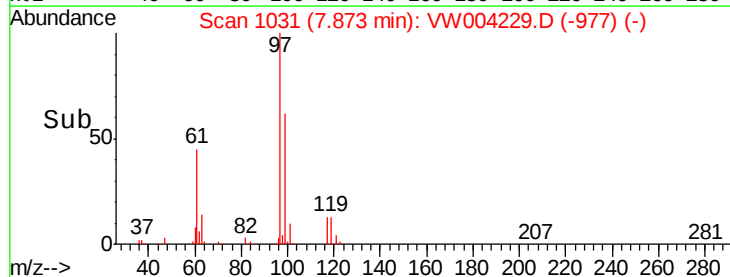
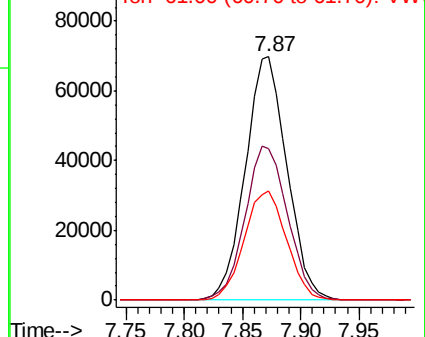
97 100

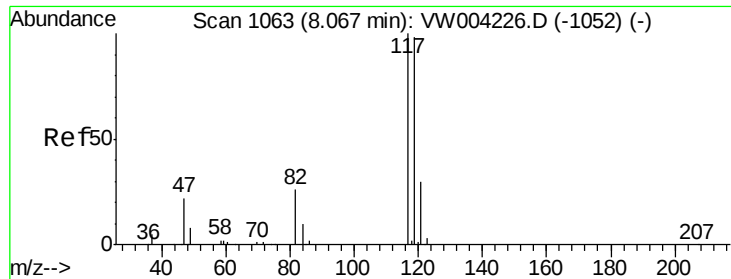
99 64.6 51.3 76.9

61 45.9 37.1 55.7



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: 27.081 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW004229.D

Acq: 26 Jul 2018 14:30

Instrument :

MSVOA_W

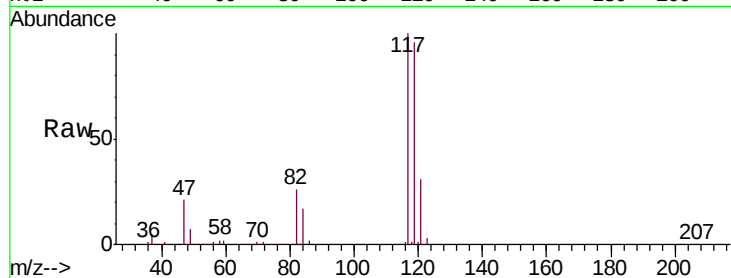
ClientSampleId :

Tot Ion:117 Resp: 170534

Ion Ratio Lower Upper

117 100

119 95.4 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

60000

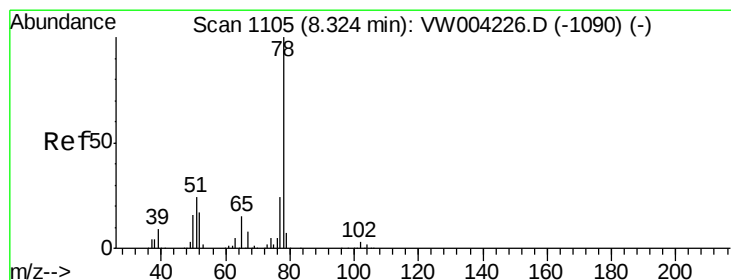
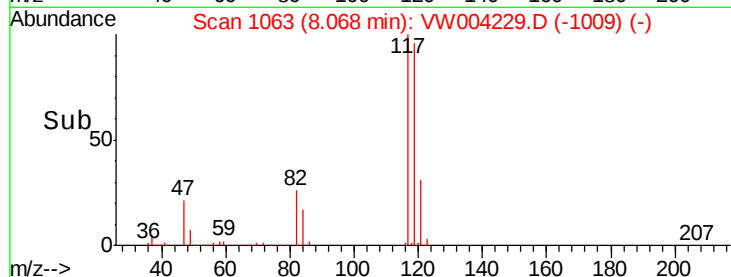
40000

20000

0

8.00 8.10 8.20

Time-->



#34

Benzene

Concen: 26.825 ug/L

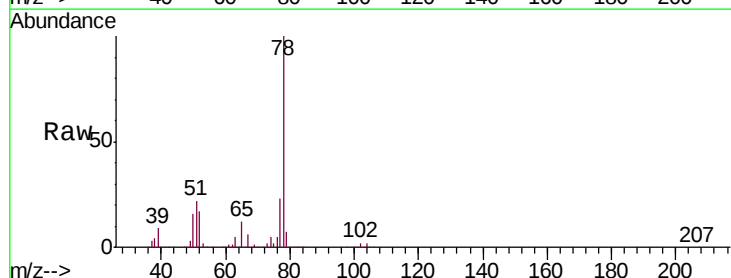
RT: 8.32 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VW004229.D

Acq: 26 Jul 2018 14:30

Tgt Ion: 78 Resp: 494768



Abundance Ion 78.00 (77.70 to 78.70): VW

250000

200000

150000

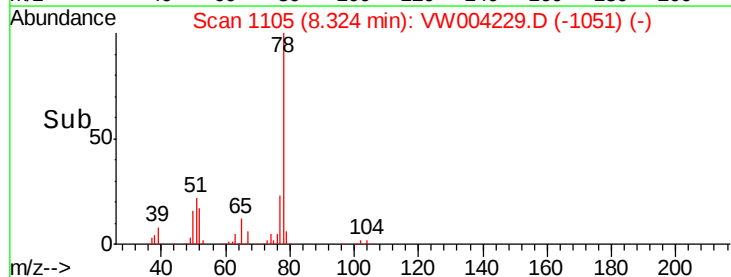
100000

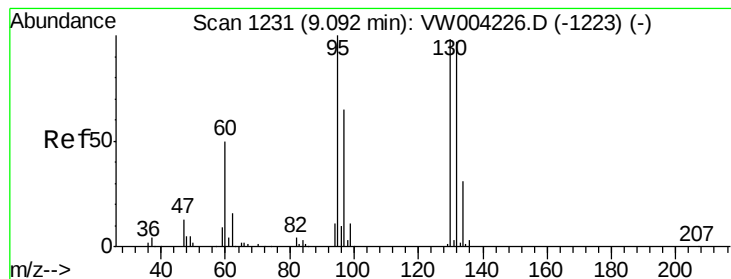
50000

0

8.20 8.30 8.40

Time-->





#35

Trichloroethene

Concen: 26.202 ug/L

RT: 9.09 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VW004229.D

Acq: 26 Jul 2018 14:30

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 95 Resp: 127133

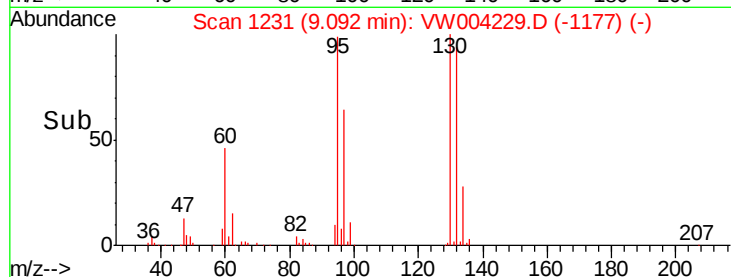
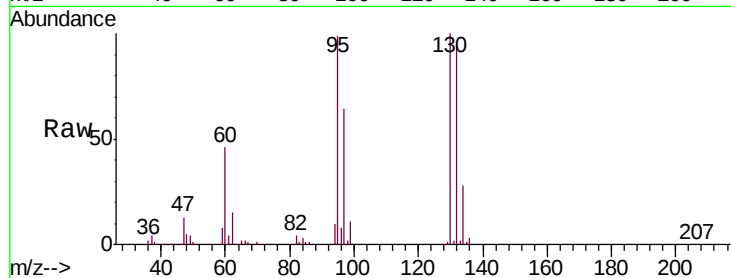
Ion Ratio Lower Upper

95 100

97 64.7 44.9 83.5

132 96.0 67.4 125.2

130 100.3 70.2 130.4

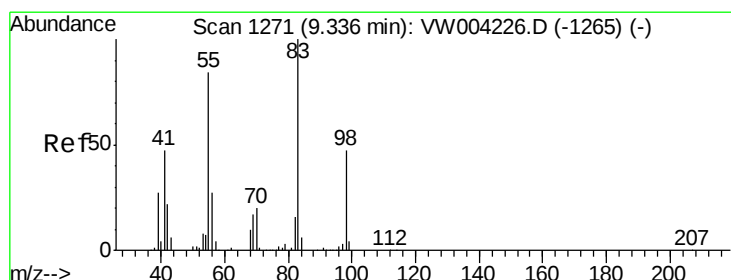
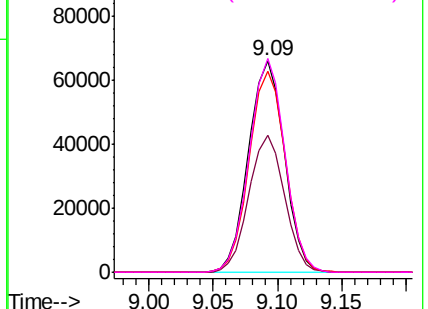


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 27.614 ug/L

RT: 9.34 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VW004229.D

Acq: 26 Jul 2018 14:30

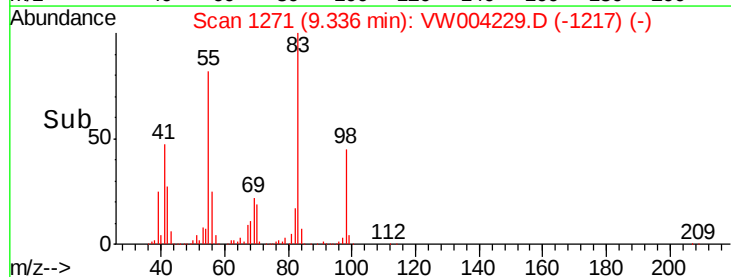
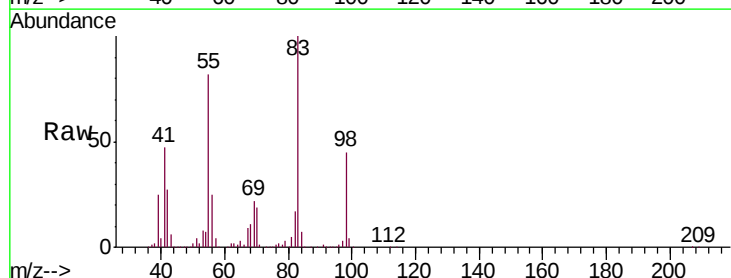
Tgt Ion: 83 Resp: 223916

Ion Ratio Lower Upper

83 100

55 84.1 65.5 98.3

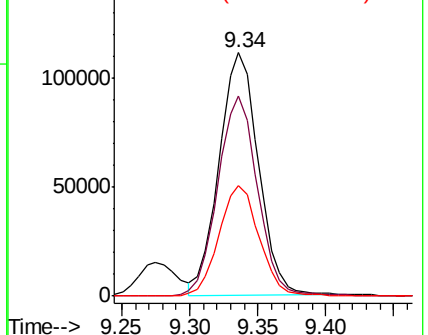
98 46.7 37.1 55.7

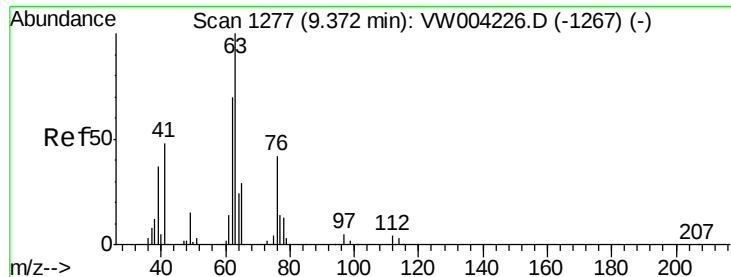


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

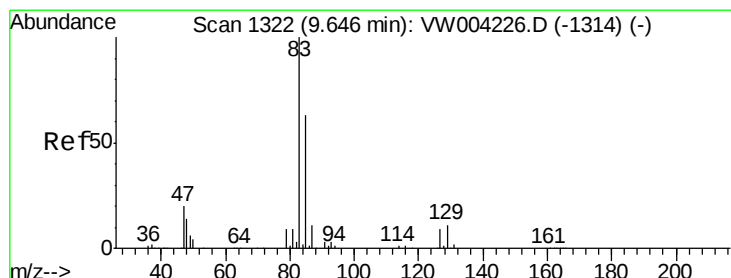
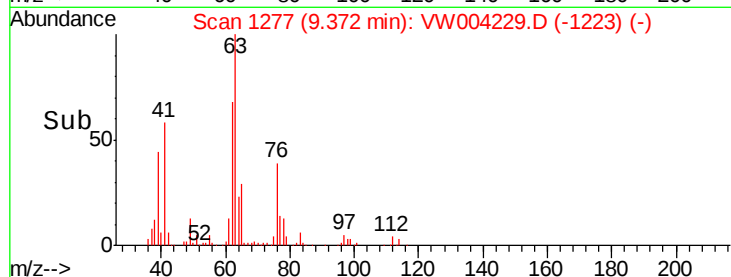
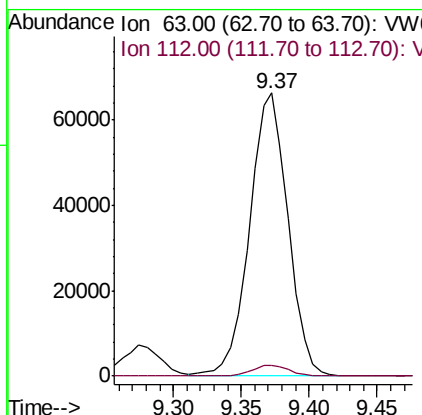
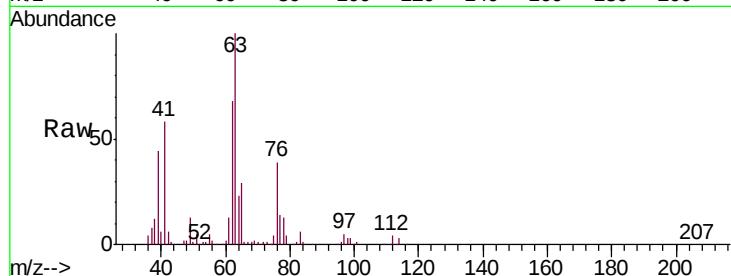




#40
 1,2-Dichloropropane
 Concen: 26.033 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW004229.D
 Acq: 26 Jul 2018 14:30

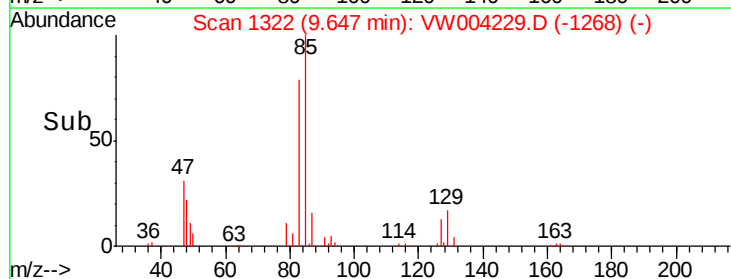
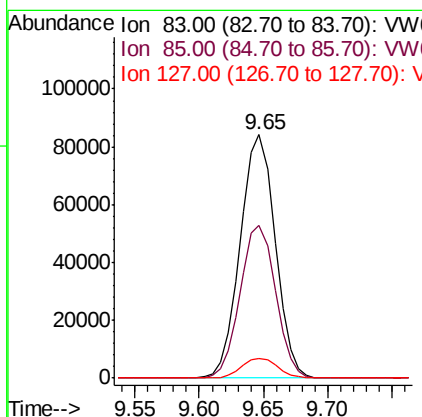
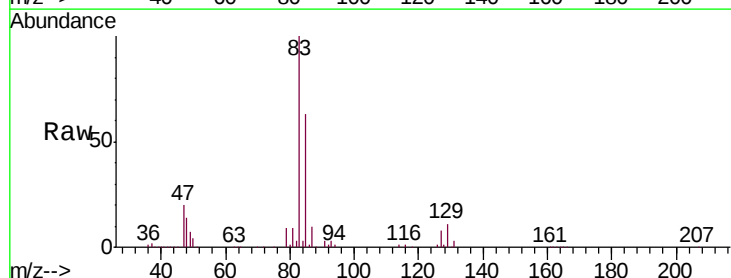
Instrument :
 MSVOA_W
 ClientSampleId :

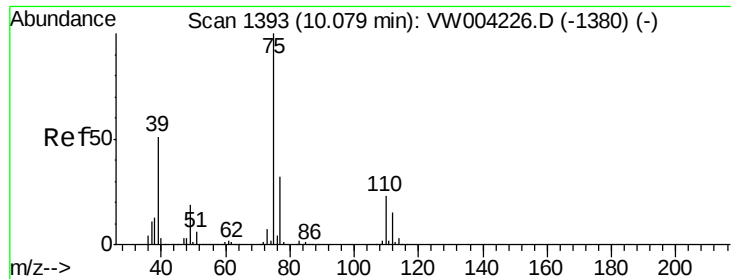
Tot Ion: 63 Resp: 130368
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.2 4.8



#41
 Bromodichloromethane
 Concen: 25.733 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VW004229.D
 Acq: 26 Jul 2018 14:30

Tgt Ion: 83 Resp: 159129
 Ion Ratio Lower Upper
 83 100
 85 62.8 44.0 81.8
 127 8.0 7.2 10.8





#42

cis-1,3-Dichloropropene

Concen: 26.327 ug/L

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW004229.D

Acq: 26 Jul 2018 14:30

Instrument :

MSVOA_W

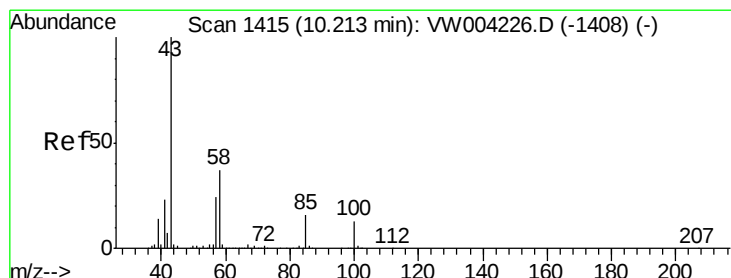
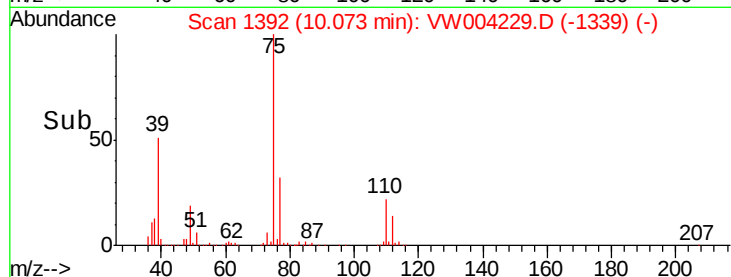
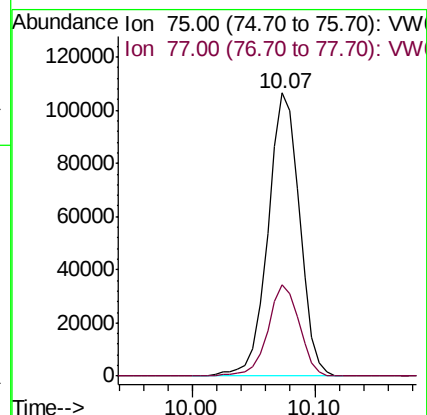
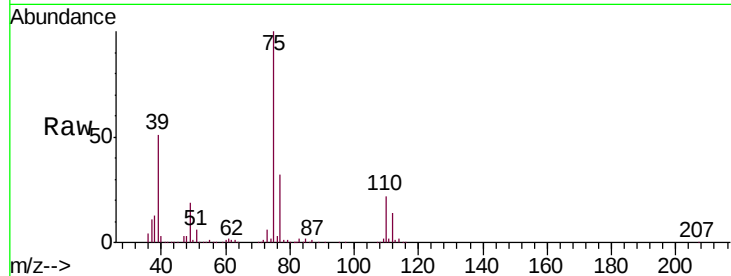
ClientSampleId :

Tot Ion: 75 Resp: 191774

Ion Ratio Lower Upper

75 100

77 32.4 22.6 42.0



#43

4-Methyl-2-pentanone

Concen: 58.667 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW004229.D

Acq: 26 Jul 2018 14:30

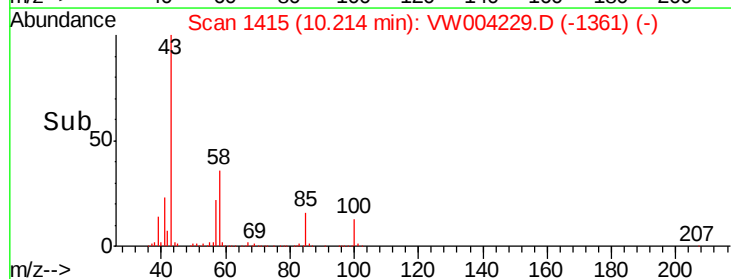
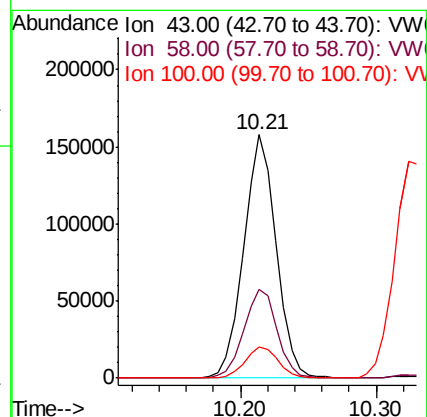
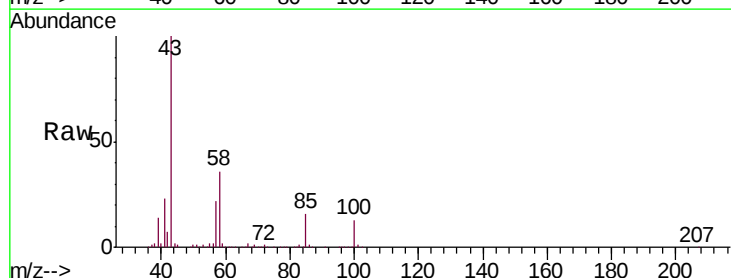
Tgt Ion: 43 Resp: 261721

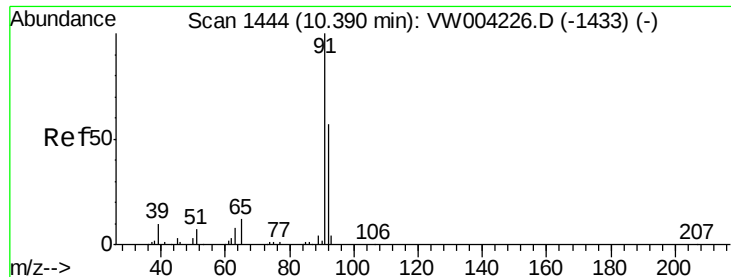
Ion Ratio Lower Upper

43 100

58 37.3 29.4 44.2

100 13.2 10.6 16.0





#44

Toluene

Concen: 27.032 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004229.D

Acq: 26 Jul 2018 14:30

Instrument :

MSVOA_W

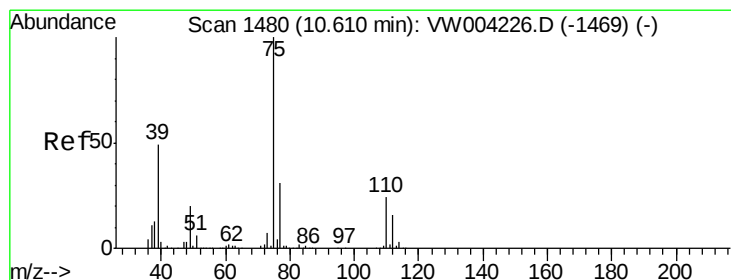
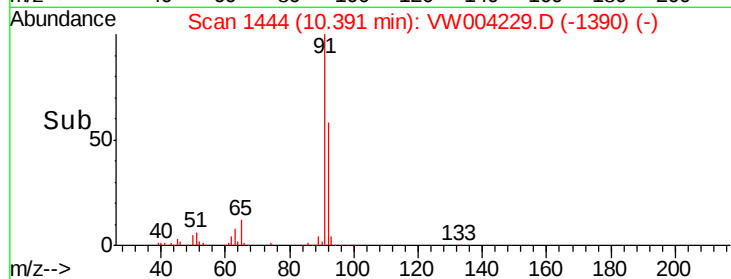
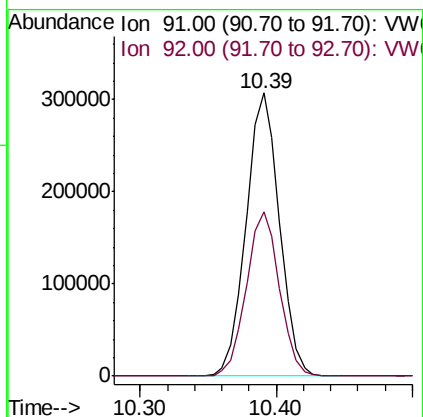
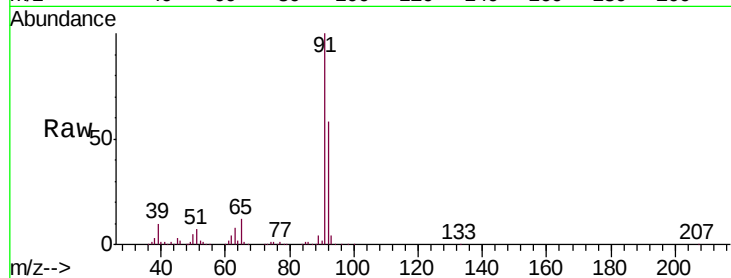
ClientSampleId :

Tot Ion: 91 Resp: 526939

Ion Ratio Lower Upper

91 100

92 58.0 39.9 74.1



#45

trans-1,3-Dichloropropene

Concen: 26.382 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004229.D

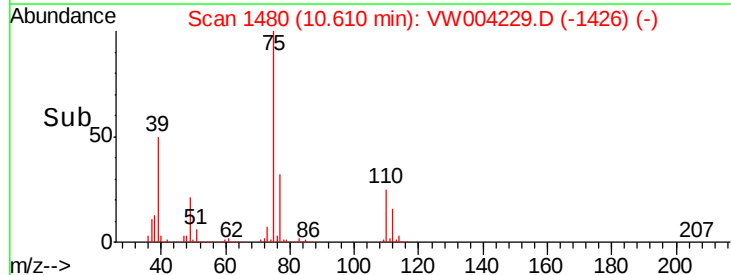
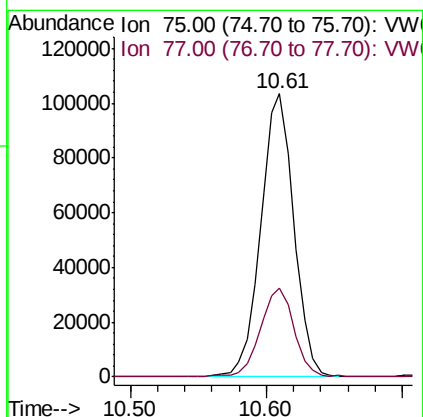
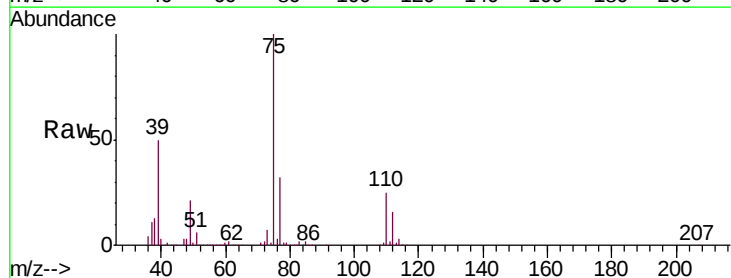
Acq: 26 Jul 2018 14:30

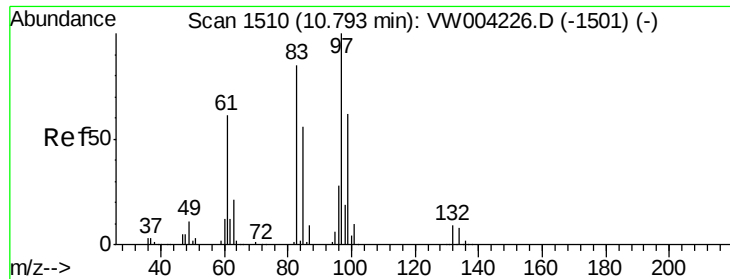
Tgt Ion: 75 Resp: 176237

Ion Ratio Lower Upper

75 100

77 31.6 21.6 40.2

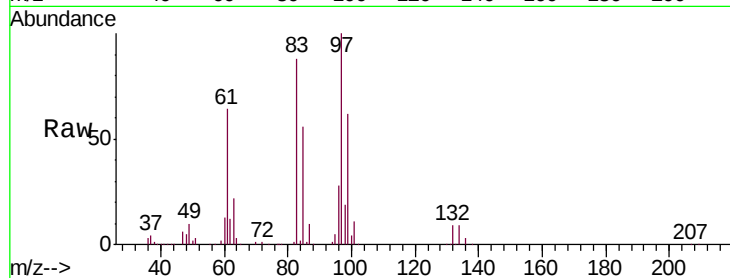




#46
 1,1,2-Trichloroethane
 Concen: 25.883 ug/L
 RT: 10.79 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VW004229.D
 Acq: 26 Jul 2018 14:30

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	97	Resp	100634
Ion Ratio	Lower	Upper	
97	100		
83	87.8	59.8	111.0
85	56.2	39.3	73.1
99	61.7	43.3	80.5



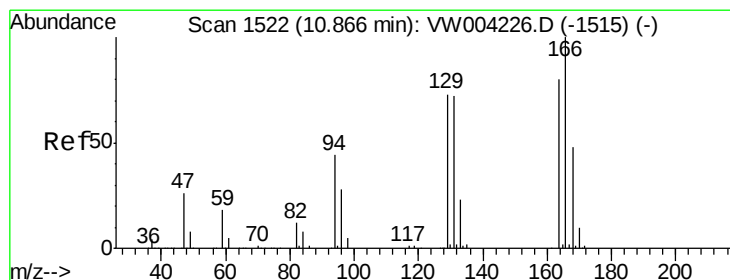
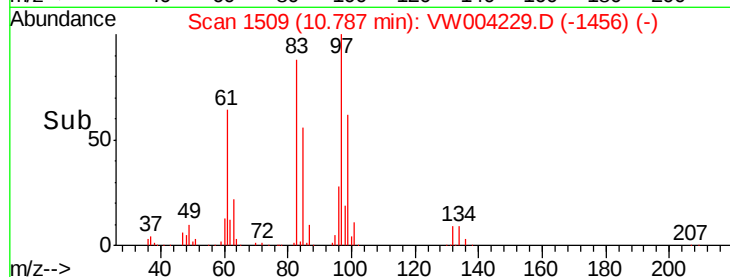
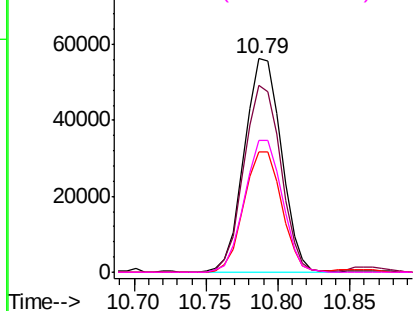
Abundance

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: 27.034 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. 0.00 min
 Lab File: VW004229.D
 Acq: 26 Jul 2018 14:30

Tgt Ion	164	Resp	104926
Ion Ratio	Lower	Upper	
164	100		
129	97.8	63.4	117.8
131	94.6	63.1	117.1
166	130.4	87.5	162.5

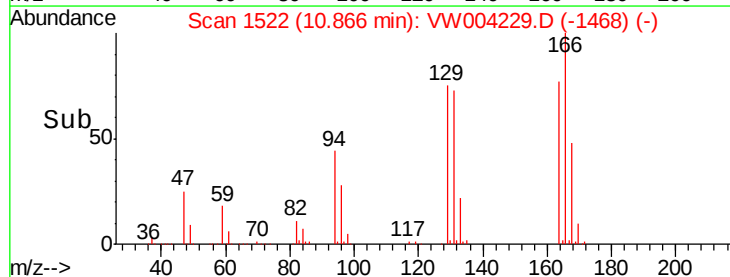
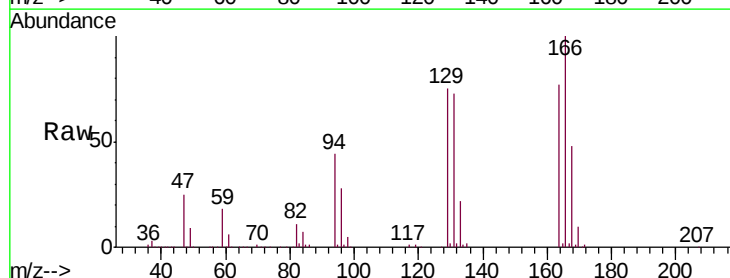
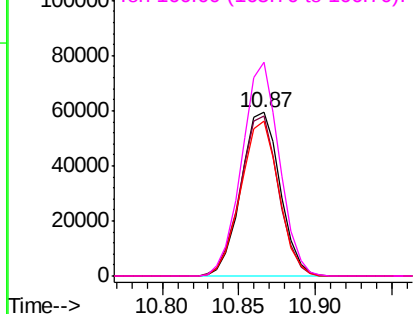
Abundance

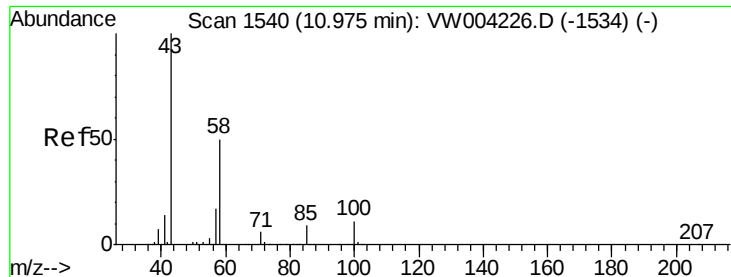
Ion 164.00 (163.70 to 164.70): V

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

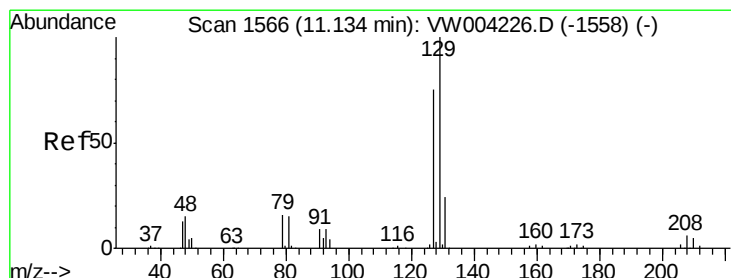
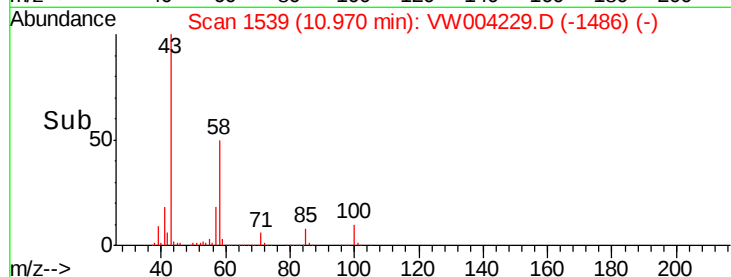
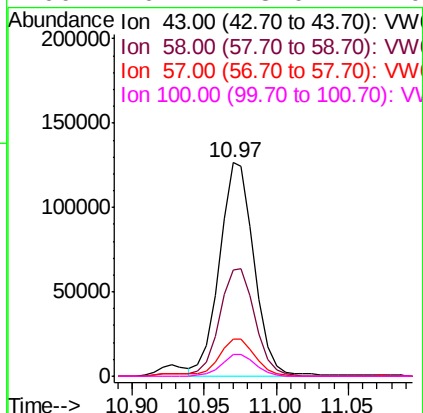
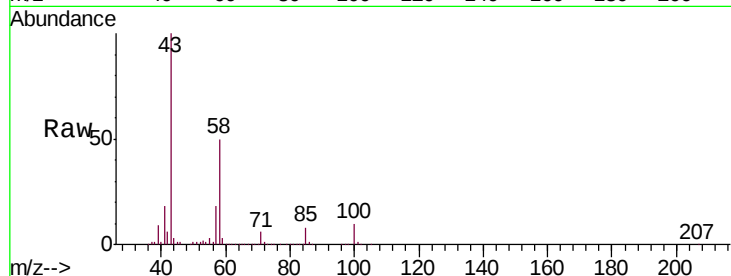




#49
2-Hexanone
Concen: 61.041 ug/L
RT: 10.97 min Scan# 1539
Delta R.T. -0.01 min
Lab File: VW004229.D
Acq: 26 Jul 2018 14:30

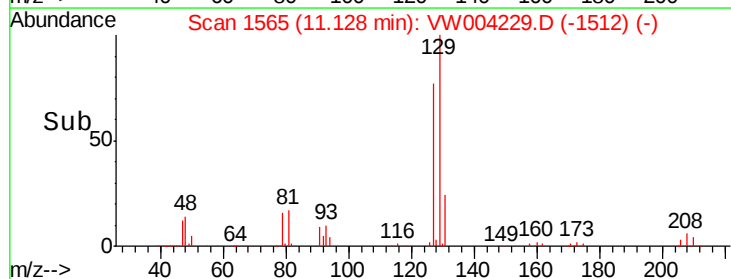
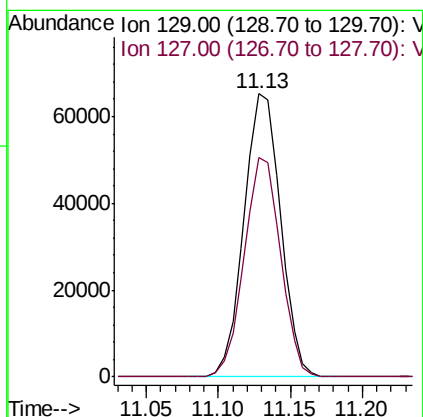
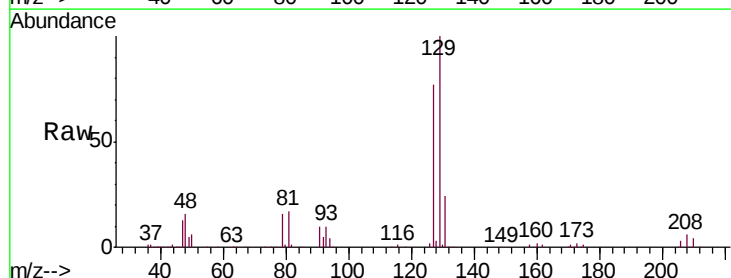
Instrument :
MSVOA_W
ClientSampleId :

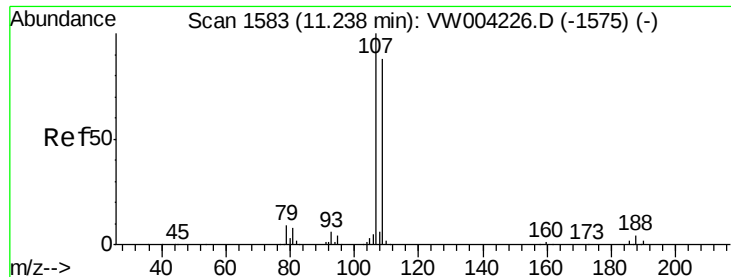
Tot Ion: 43 Resp: 213361
Ion Ratio Lower Upper
43 100
58 52.5 39.8 59.8
57 17.9 13.9 20.9
100 10.2 8.0 12.0



#50
Dibromochloromethane
Concen: 25.920 ug/L
RT: 11.13 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VW004229.D
Acq: 26 Jul 2018 14:30

Tgt Ion: 129 Resp: 114939
Ion Ratio Lower Upper
129 100
127 77.4 52.7 97.9





#51

1,2-Dibromoethane

Concen: 26.056 ug/L

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW004229.D

Acq: 26 Jul 2018 14:30

Instrument :

MSVOA_W

ClientSampleId :

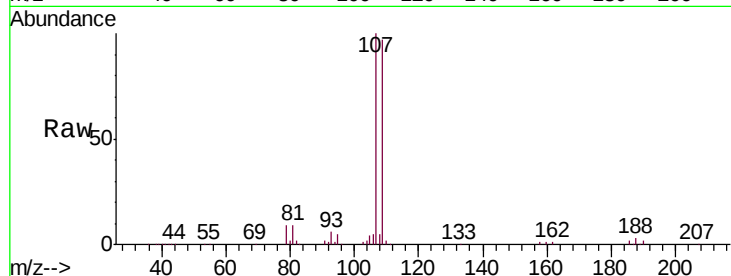
Tot Ion:107 Resp: 98775

Ion Ratio Lower Upper

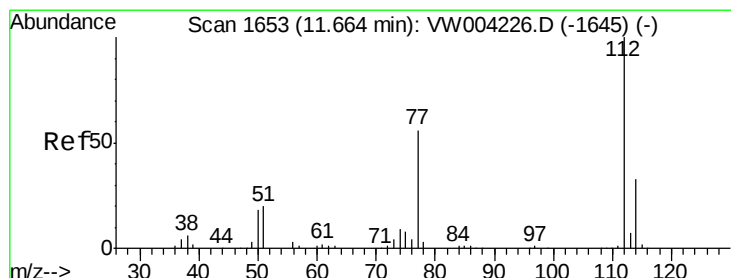
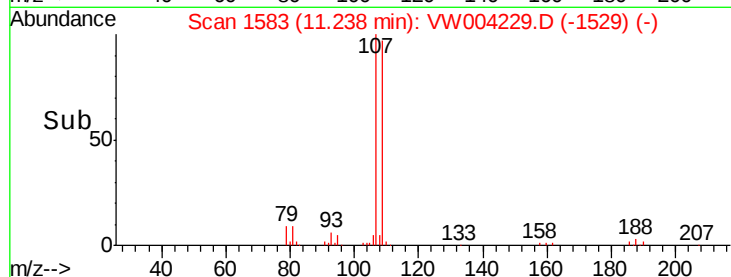
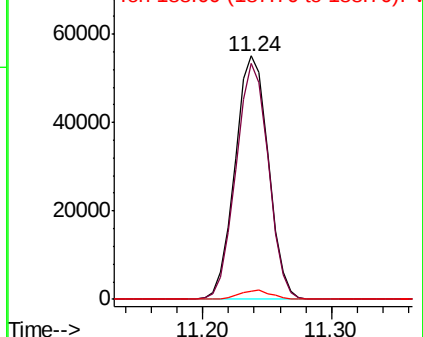
107 100

109 96.8 61.3 113.9

188 3.4 3.0 4.4



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: 26.054 ug/L

RT: 11.66 min Scan# 1652

Delta R.T. -0.01 min

Lab File: VW004229.D

Acq: 26 Jul 2018 14:30

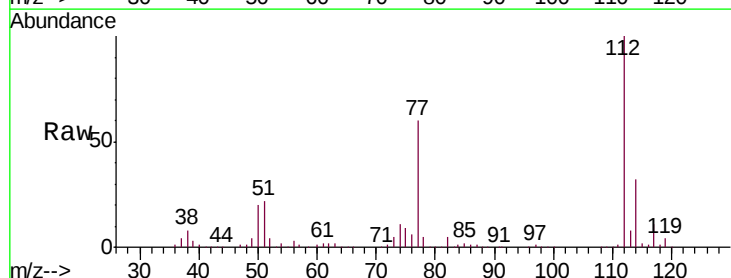
Tgt Ion:112 Resp: 323691

Ion Ratio Lower Upper

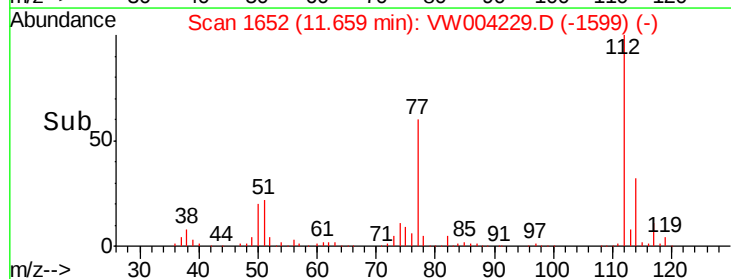
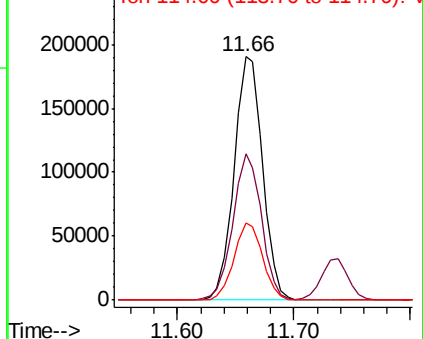
112 100

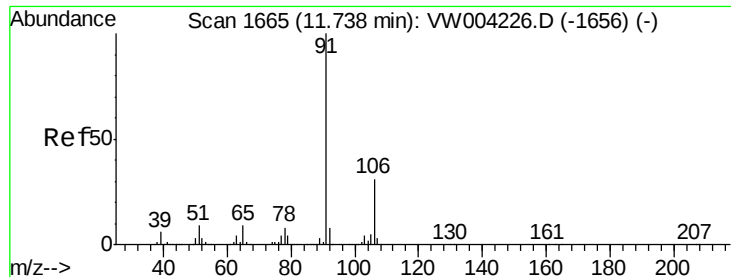
77 60.1 45.2 67.8

114 31.9 22.9 42.5



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

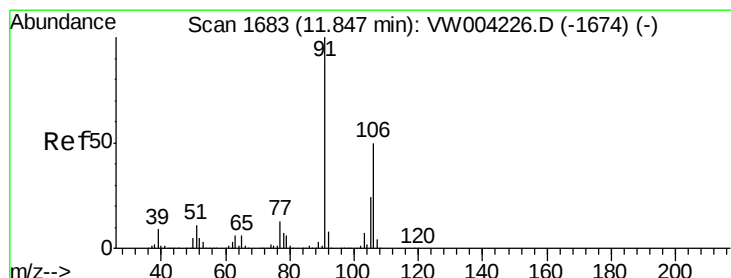
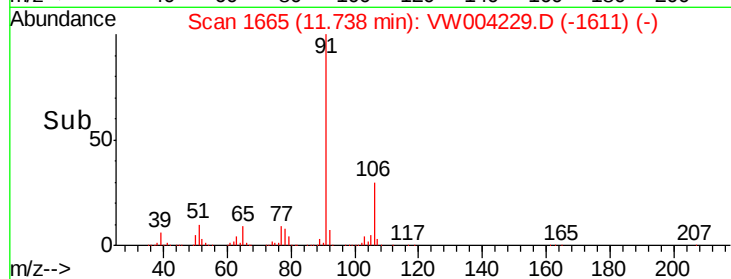
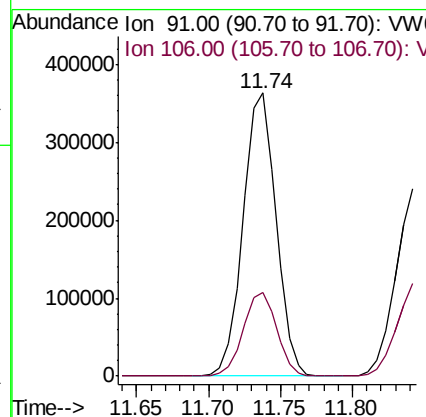
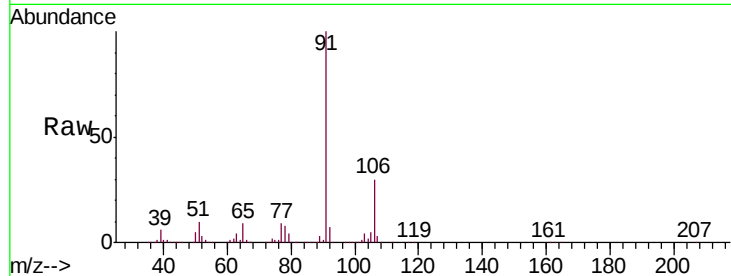




#53
Ethylbenzene
Concen: 27.401 ug/L
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004229.D
Acq: 26 Jul 2018 14:30

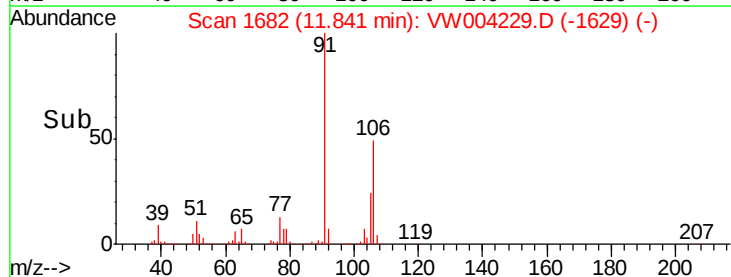
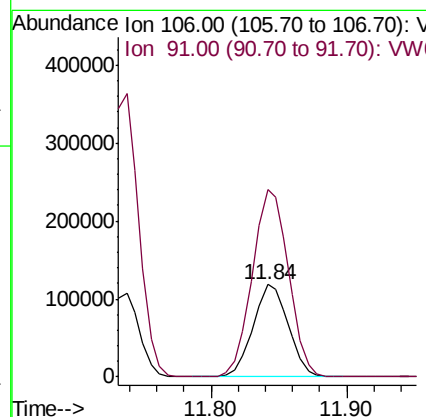
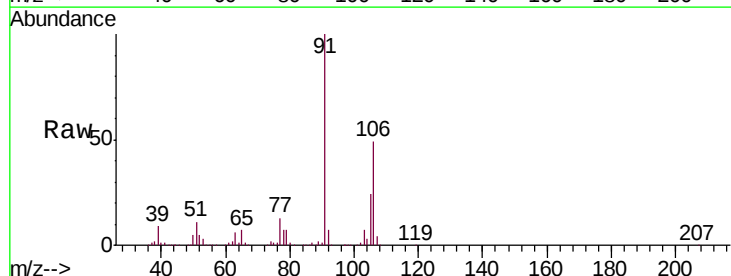
Instrument :
MSVOA_W
ClientSampled :

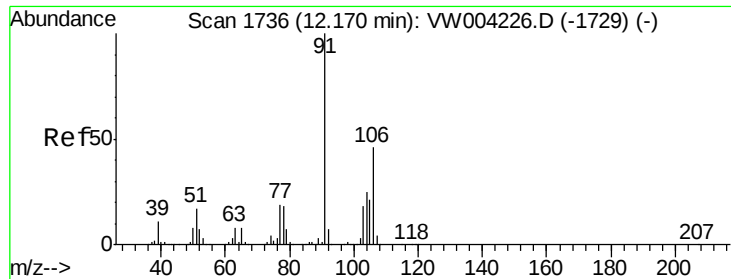
Tot Ion: 91 Resp: 576369
Ion Ratio Lower Upper
91 100
106 29.5 22.0 40.8



#54
m,p-Xylene
Concen: 27.335 ug/L
RT: 11.84 min Scan# 1682
Delta R.T. -0.01 min
Lab File: VW004229.D
Acq: 26 Jul 2018 14:30

Tgt Ion: 106 Resp: 216259
Ion Ratio Lower Upper
106 100
91 202.9 138.8 257.8

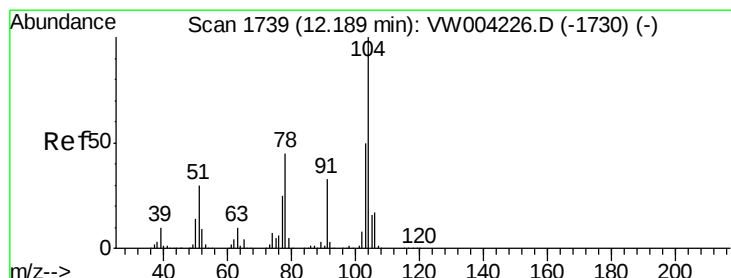
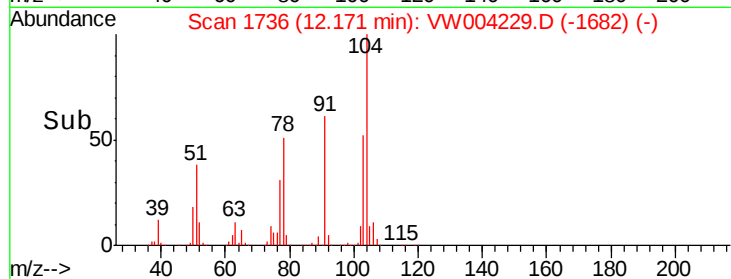
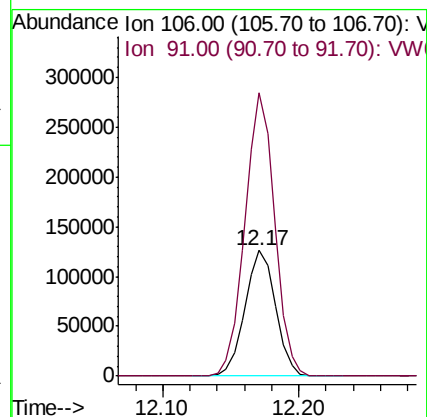
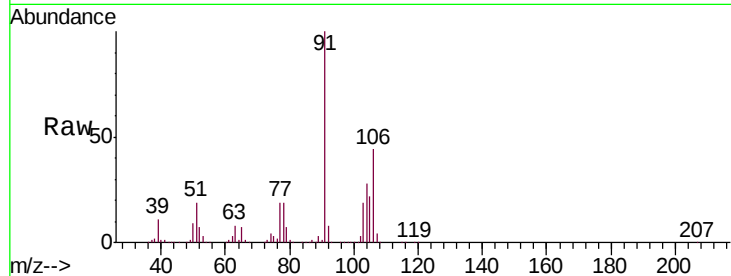




#55
o-xylene
Concen: 26.761 ug/L
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004229.D
Acq: 26 Jul 2018 14:30

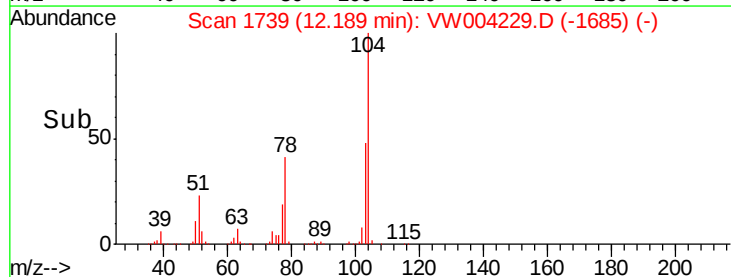
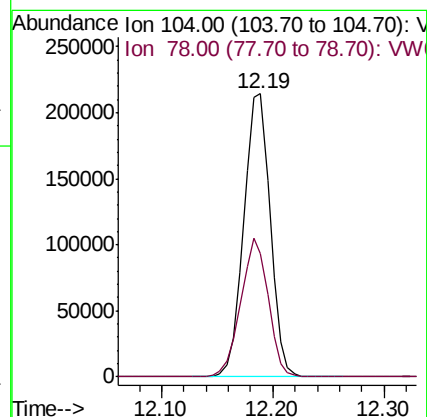
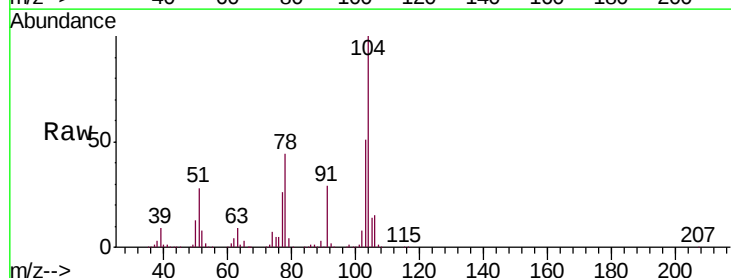
Instrument :
MSVOA_W
ClientSampled :

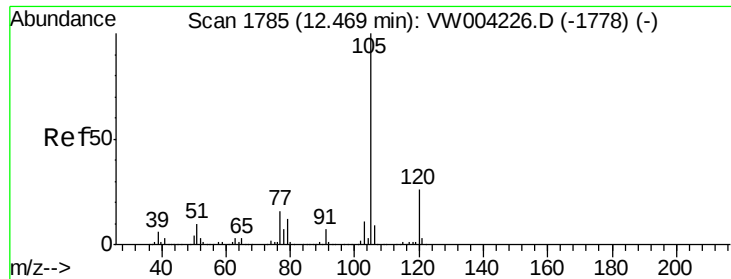
Tot Ion:106 Resp: 198161
Ion Ratio Lower Upper
106 100
91 225.1 153.5 285.1



#56
Styrene
Concen: 27.506 ug/L
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW004229.D
Acq: 26 Jul 2018 14:30

Tgt Ion:104 Resp: 353019
Ion Ratio Lower Upper
104 100
78 43.5 31.7 58.9





#57

Isopropylbenzene

Concen: 27.719 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004229.D

Acq: 26 Jul 2018 14:30

Instrument :

MSVOA_W

ClientSampleId :

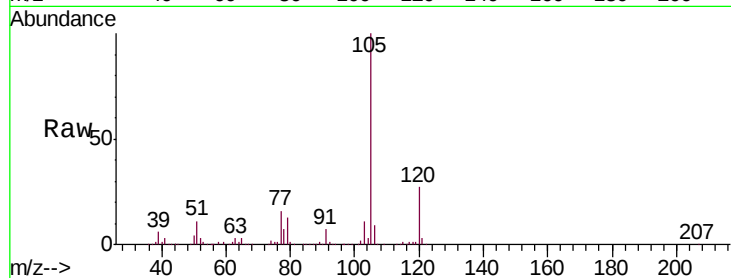
Tot Ion:105 Resp: 557635

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.0

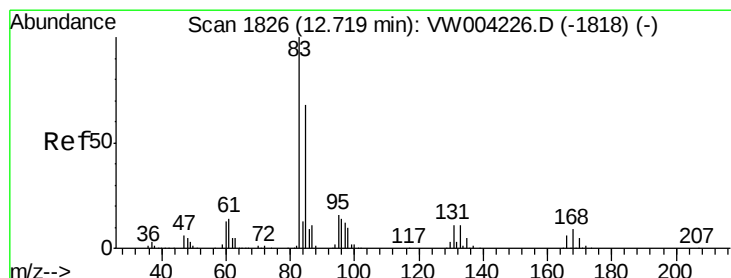
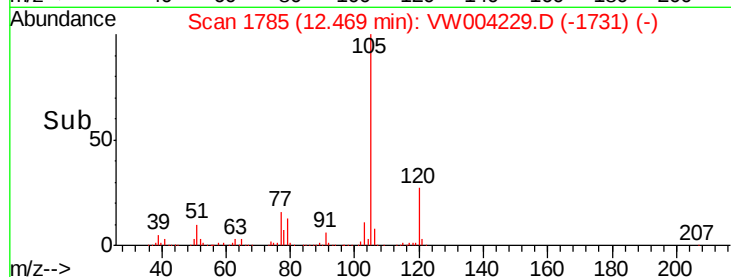
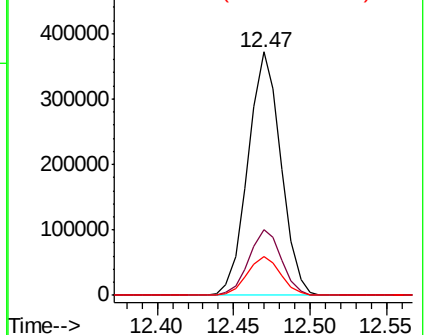
77 16.2 13.1 19.7



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: 26.604 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004229.D

Acq: 26 Jul 2018 14:30

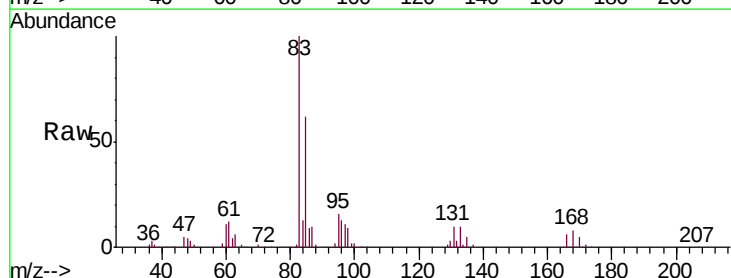
Tgt Ion: 83 Resp: 147460

Ion Ratio Lower Upper

83 100

85 62.5 47.7 88.7

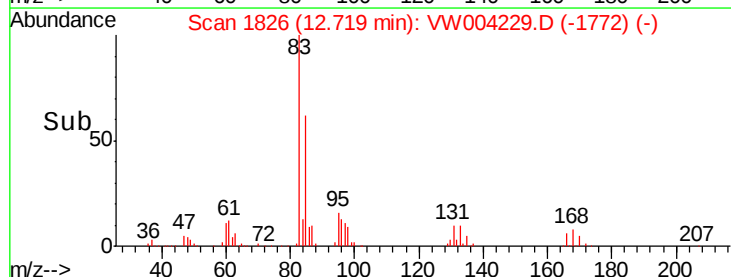
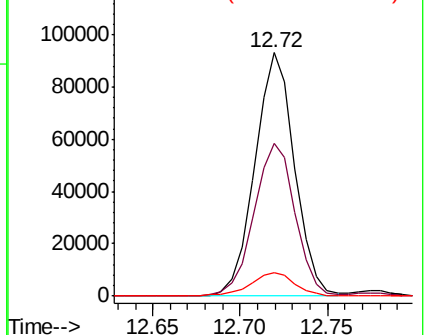
131 9.9 8.8 13.2

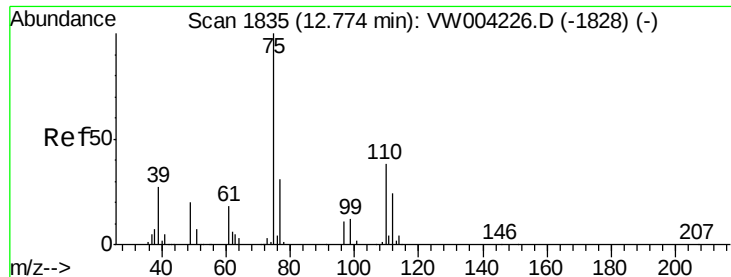


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 26.941 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004229.D

Acq: 26 Jul 2018 14:30

Instrument :

MSVOA_W

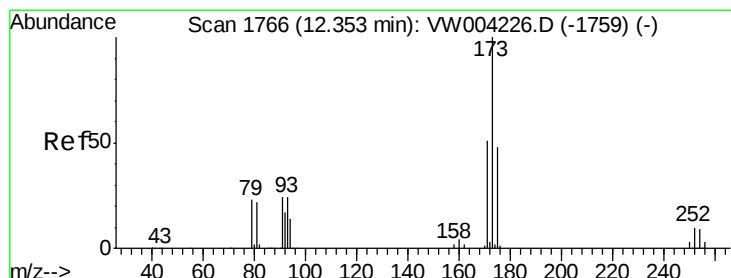
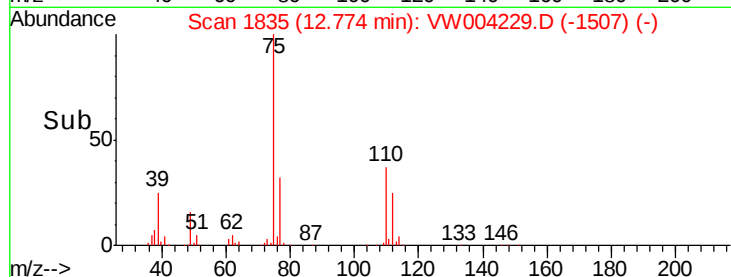
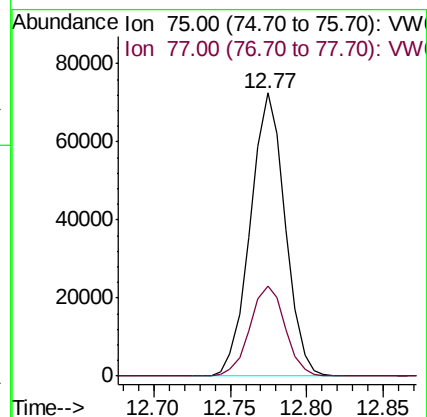
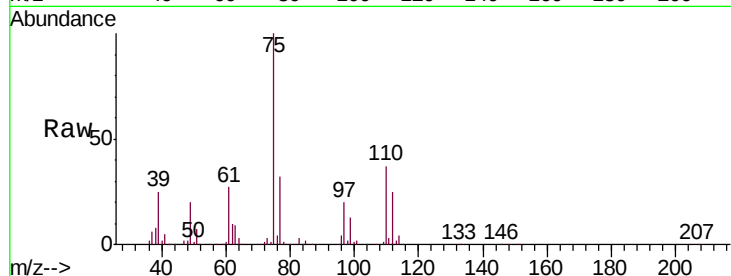
ClientSampleId :

Tot Ion: 75 Resp: 114803

Ion Ratio Lower Upper

75 100

77 32.2 25.2 37.8



#62

Bromoform

Concen: 25.911 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004229.D

Acq: 26 Jul 2018 14:30

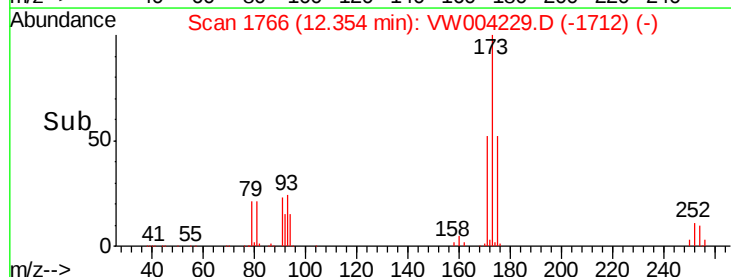
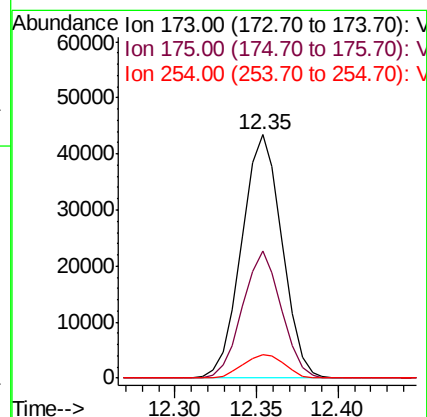
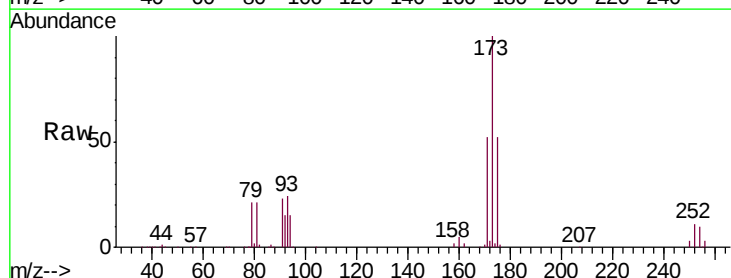
Tgt Ion: 173 Resp: 74641

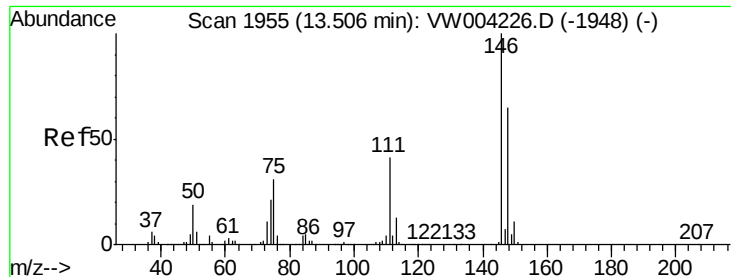
Ion Ratio Lower Upper

173 100

175 50.2 39.1 58.7

254 9.9 7.8 11.6





#63

1,3-Dichlorobenzene

Concen: 26.221 ug/L

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004229.D

Acq: 26 Jul 2018 14:30

Instrument :

MSVOA_W

ClientSampled :

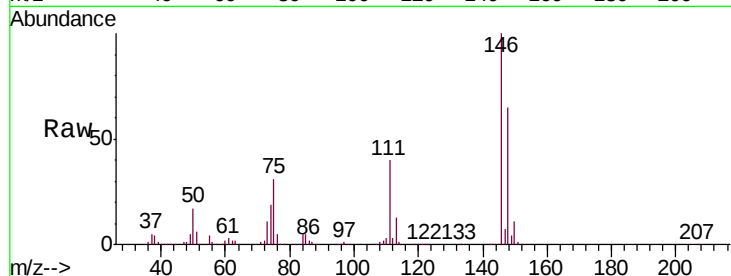
Tot Ion:146 Resp: 247545

Ion Ratio Lower Upper

146 100

111 40.1 29.0 53.8

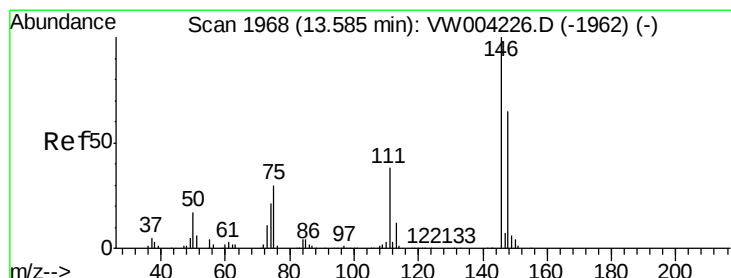
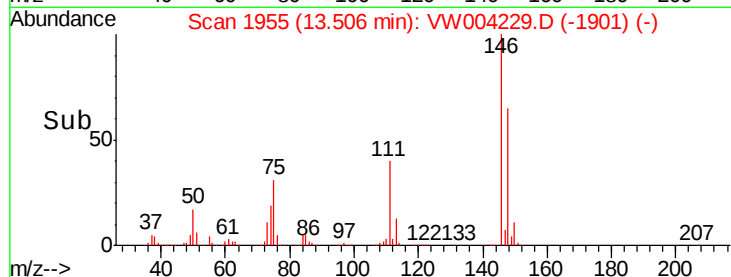
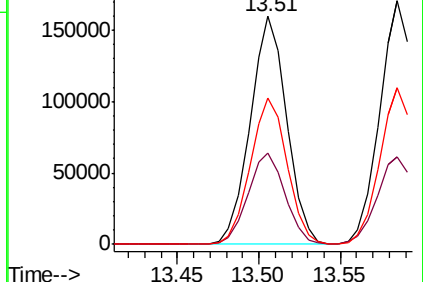
148 64.5 45.1 83.9



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: 26.320 ug/L

RT: 13.59 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VW004229.D

Acq: 26 Jul 2018 14:30

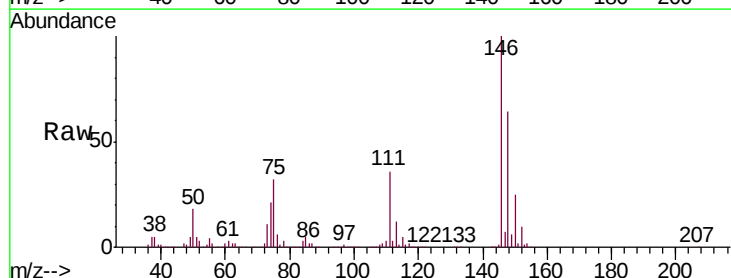
Tgt Ion:146 Resp: 262373

Ion Ratio Lower Upper

146 100

111 35.7 26.9 50.1

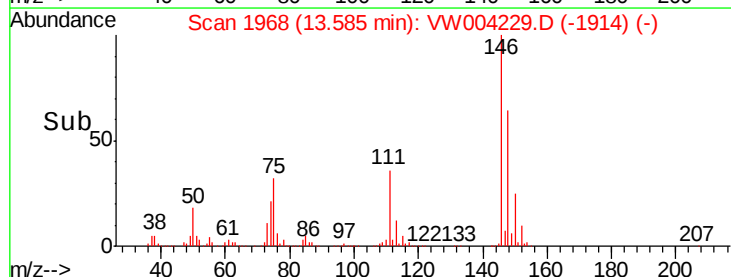
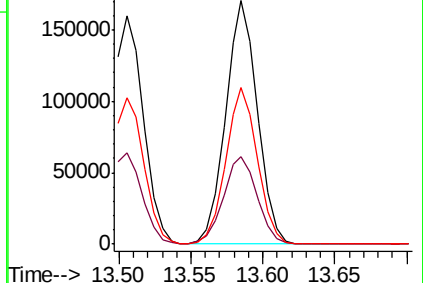
148 64.2 45.2 84.0

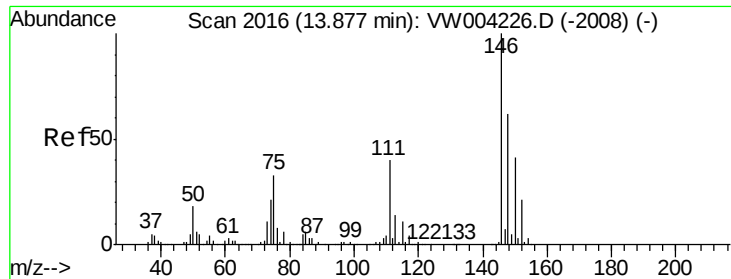


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

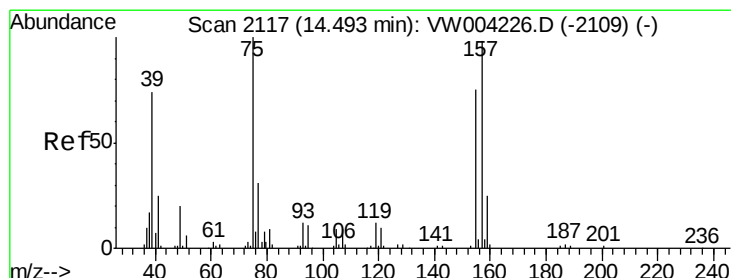
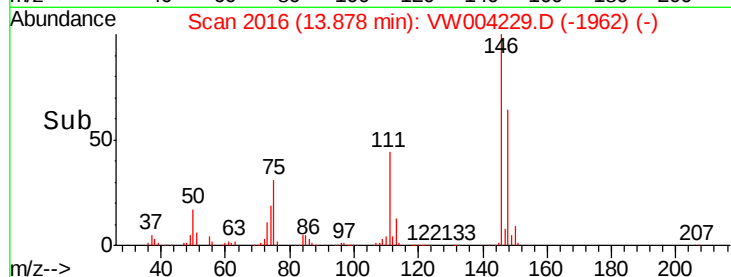
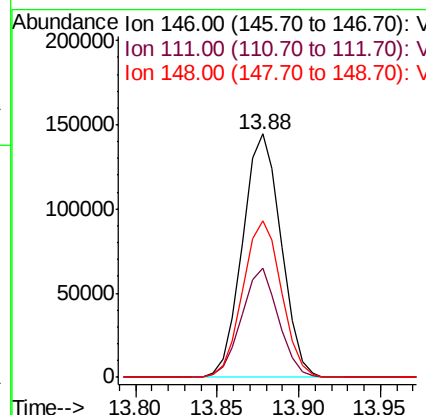
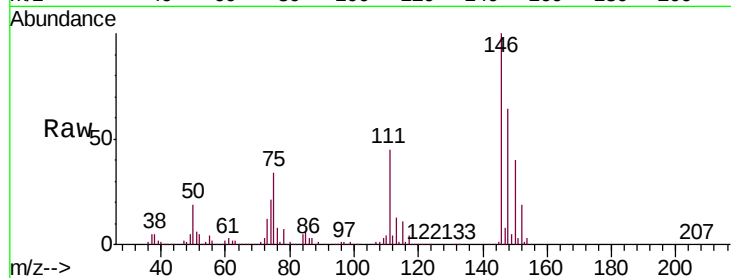




#65
 1,2-Dichlorobenzene
 Concen: 25.895 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004229.D
 Acq: 26 Jul 2018 14:30

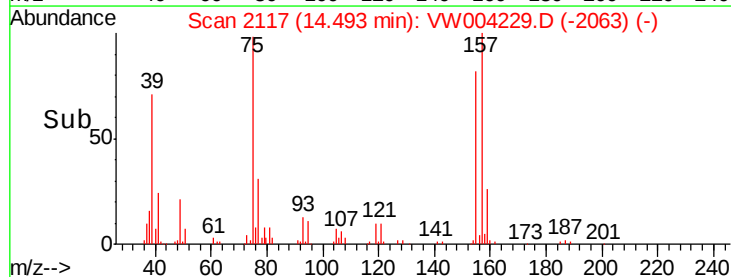
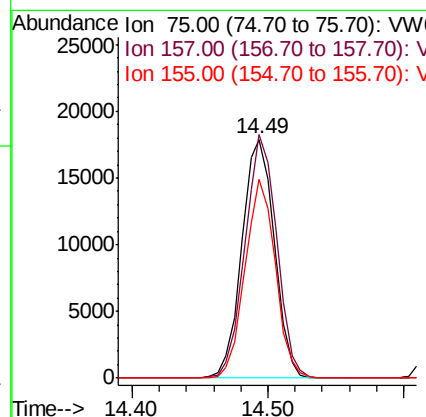
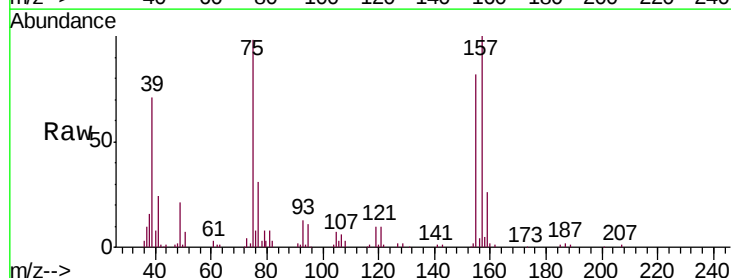
Instrument :
 MSVOA_W
 ClientSampleId :

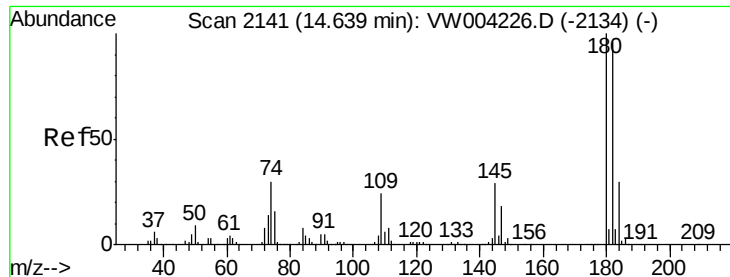
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.8	31.9	47.9
148	64.1	49.8	74.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 28.877 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004229.D
 Acq: 26 Jul 2018 14:30

Tgt Ion	Ratio	Lower	Upper
75	100		
157	102.1	78.8	118.2
155	83.5	60.2	90.4

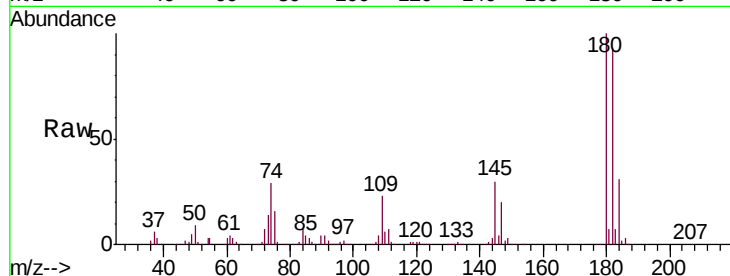




#67
 1,3,5-Trichlorobenzene
 Concen: 26.765 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW004229.D
 Acq: 26 Jul 2018 14:30

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.3	77.4	116.2
184	30.6	23.8	35.8
145	29.7	23.8	35.6



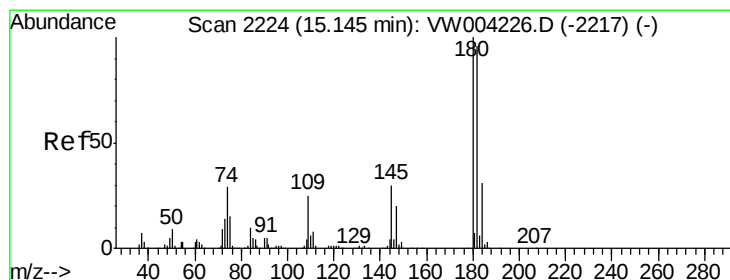
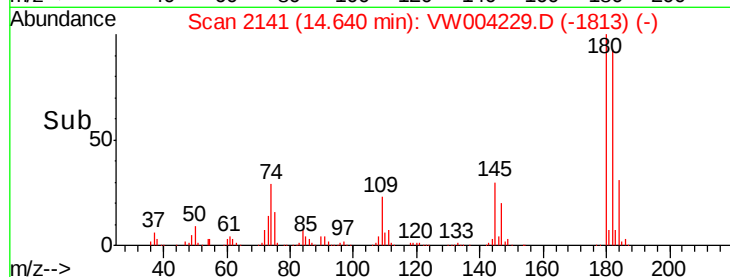
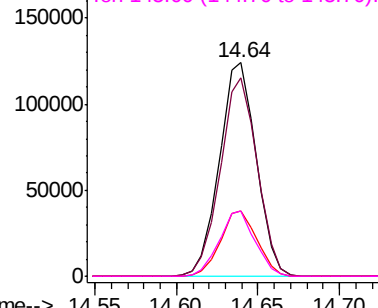
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

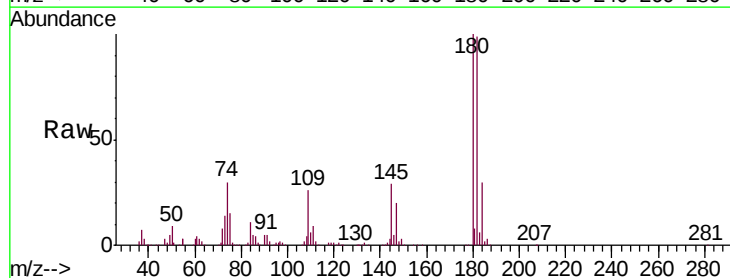
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 26.692 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004229.D
 Acq: 26 Jul 2018 14:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	76.2	114.2
145	30.2	24.1	36.1

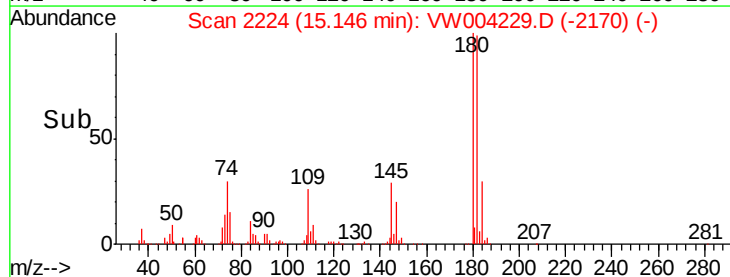
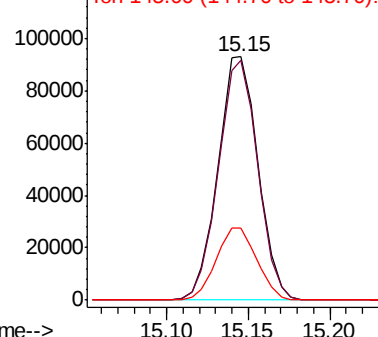


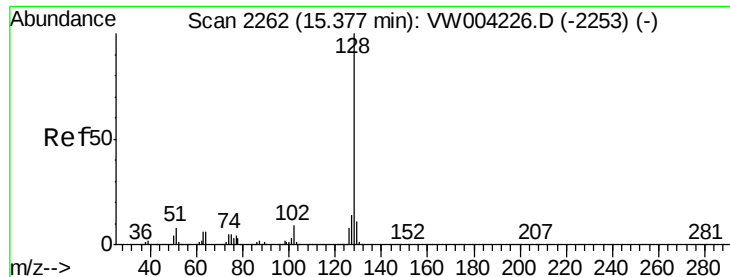
Abundance

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: 29.039 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004229.D

Acq: 26 Jul 2018 14:30

Instrument :

MSVOA_W

ClientSampleId :

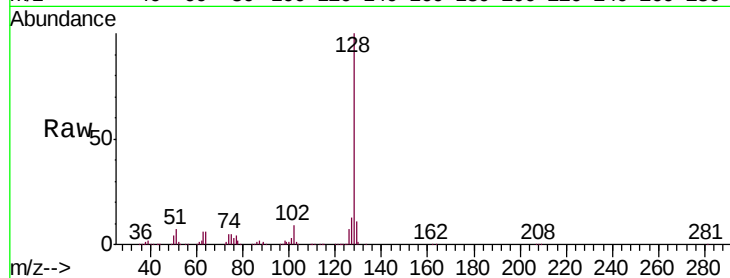
Tot Ion:128 Resp: 397390

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

127 13.5 11.0 16.4

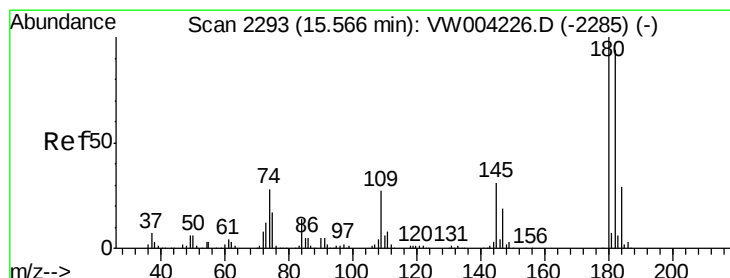
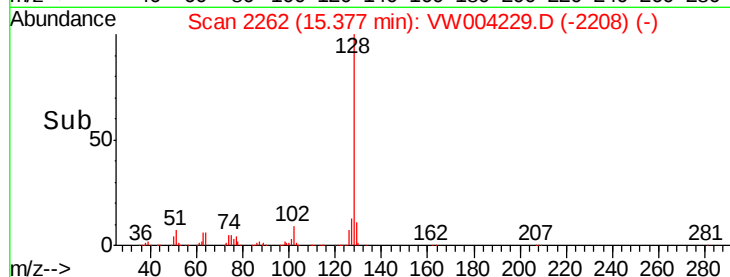
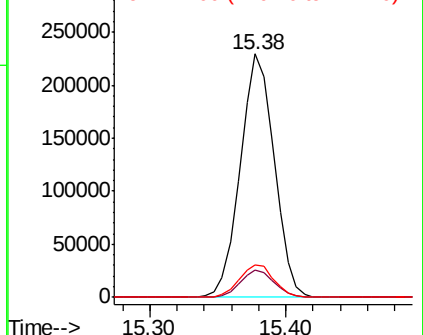


Abundance

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: 27.089 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW004229.D

Acq: 26 Jul 2018 14:30

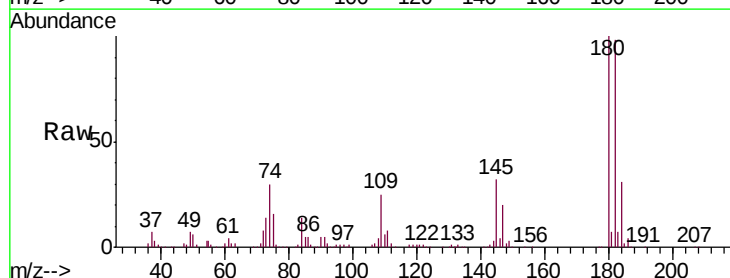
Tgt Ion:180 Resp: 156074

Ion Ratio Lower Upper

180 100

182 96.3 76.2 114.4

145 32.3 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

