

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080118\
 Data File : VW004382.D
 Acq On : 01 Aug 2018 21:07
 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 02 03:58:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073118S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 02 03:56:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	222615	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	212235	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	118434	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	47796	27.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	110.24%
7) Chloroethane-d5	2.89	69	43689	25.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.00%
10) 1,1-Dichloroethene-d2	4.01	63	129050	25.77	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	103.08%
20) 2-Butanone-d5	7.09	46	41589	38.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.34%
24) Chloroform-d	7.65	84	130602	23.73	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.92%
26) 1,2-Dichloroethane-d4	8.31	65	74262	24.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.40%
29) Benzene-d6	8.27	84	243803	22.24	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.96%
33) 1,2-Dichloropropane-d6	9.28	67	70023	20.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	82.48%
37) Toluene-d8	10.33	98	234836	22.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.68%
38) trans-1,3-Dichloropropene-	10.59	79	37189	22.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.64%
39) 2-Hexanone-d5	10.93	63	37838	43.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.80%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	77338	21.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.24%
61) 1,2-Dichlorobenzene-d4	13.86	152	107204	23.68	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.72%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	46628	22.939	ug/L 92
3) Chloromethane	2.22	50	48856	25.327	ug/L 96
5) Vinyl chloride	2.37	62	71757	30.133	ug/L 97
6) Bromomethane	2.78	94	49739	29.165	ug/L 98
8) Chloroethane	2.92	64	43758	26.132	ug/L 99
9) Trichlorofluoromethane	3.25	101	41737	20.906	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	78734	26.752	ug/L 99
12) 1,1-Dichloroethene	4.03	96	77866	28.174	ug/L 93
13) Acetone	4.13	43	42336	44.995	ug/L 97
14) Carbon disulfide	4.37	76	209672	25.649	ug/L 100
15) Methyl Acetate	4.68	43	33444	17.827	ug/L 98
16) Methylene chloride	4.91	84	71733	20.387	ug/L 96
17) Methyl tert-butyl Ether	5.43	73	101098	23.289	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	68610	22.872	ug/L 97
19) 1,1-Dichloroethane	6.21	63	116711	22.379	ug/L 97
21) 2-Butanone	7.18	43	46424	36.202	ug/L 97
22) cis-1,2-Dichloroethene	7.17	96	78422	23.719	ug/L 96

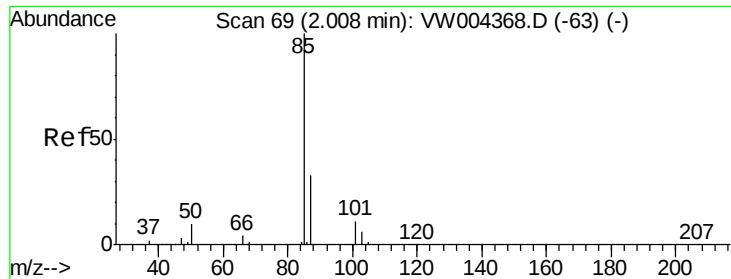
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080118\
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 Quant Title : VOC Analysis
 QLast Update : Thu Aug 02 03:56:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	38595	24.854	ug/L	96
25) Chloroform	7.68	83	131465	23.959	ug/L	99
27) 1,2-Dichloroethane	8.40	62	90015	24.288	ug/L	97
30) Cyclohexane	7.95	56	100029	19.957	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	107505	23.116	ug/L	99
32) Carbon tetrachloride	8.07	117	108105	23.867	ug/L	98
34) Benzene	8.32	78	275342	22.379	ug/L	100
35) Trichloroethene	9.09	95	75888	23.042	ug/L	98
36) Methylcyclohexane	9.34	83	124889	21.259	ug/L	98
40) 1,2-Dichloropropane	9.37	63	65487	21.219	ug/L	98
41) Bromodichloromethane	9.65	83	96982	24.288	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	109829	22.687	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	92867	37.168	ug/L	96
44) Toluene	10.39	91	300526	22.715	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	103378	23.786	ug/L	93
46) 1,1,2-Trichloroethane	10.79	97	59537	23.393	ug/L	95
47) Tetrachloroethene	10.87	164	67712	23.944	ug/L	98
49) 2-Hexanone	10.98	43	69909	37.647	ug/L	96
50) Dibromochloromethane	11.13	129	79502	25.642	ug/L	97
51) 1,2-Dibromoethane	11.24	107	60269	23.893	ug/L	100
52) Chlorobenzene	11.66	112	209911	23.835	ug/L	97
53) Ethylbenzene	11.74	91	350539	23.420	ug/L	96
54) m,p-Xylene	11.85	106	137099	24.215	ug/L	99
55) o-xylene	12.17	106	132130	24.709	ug/L	93
56) Styrene	12.19	104	236608	25.561	ug/L	96
57) Isopropylbenzene	12.47	105	367415	24.506	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	76560	21.911	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	58112	21.601	ug/L	98
62) Bromoform	12.35	173	54062	24.470	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	182758	23.924	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	187599	23.869	ug/L	97
65) 1,2-Dichlorobenzene	13.88	146	176534	24.444	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	15261	21.446	ug/L	93
67) 1,3,5-Trichlorobenzene	14.64	180	149826	24.738	ug/L	97
68) 1,2,4-trichlorobenzene	15.15	180	125069	24.316	ug/L	99
69) Naphthalene	15.38	128	267683	23.028	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	118827	24.967	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 22.939 ug/L

RT: 2.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VW004382.D

Acq: 01 Aug 2018 21:07

Instrument :

MSVOA_W

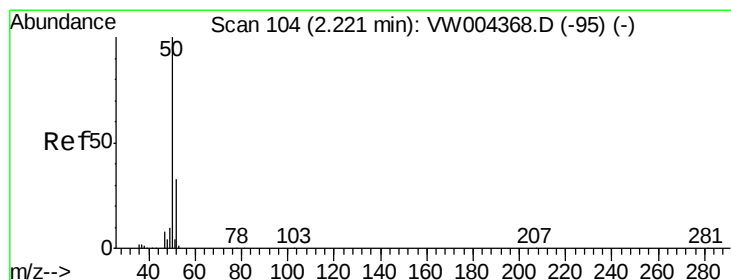
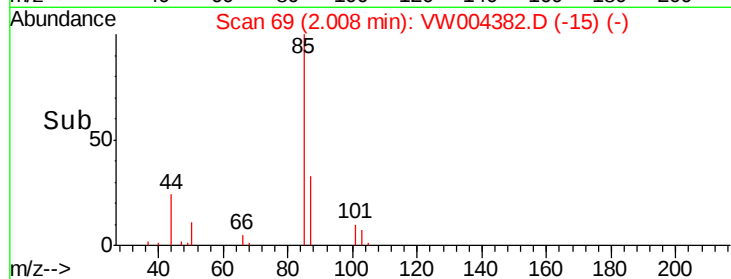
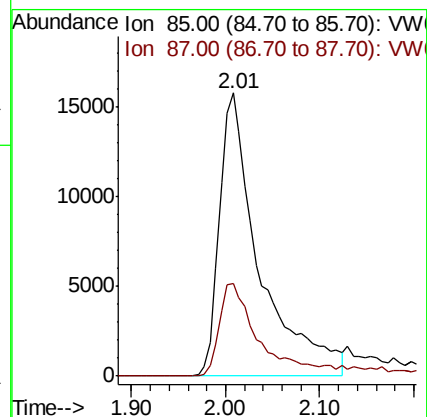
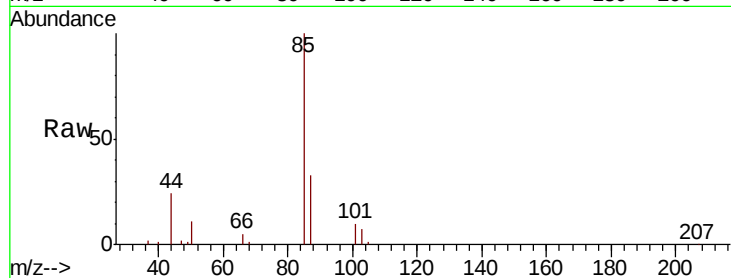
ClientSampleId :

Tot Ion: 85 Resp: 46628

Ion Ratio Lower Upper

85 100

87 27.3 22.1 41.1



#3

Chloromethane

Concen: 25.327 ug/L

RT: 2.22 min Scan# 103

Delta R.T. -0.01 min

Lab File: VW004382.D

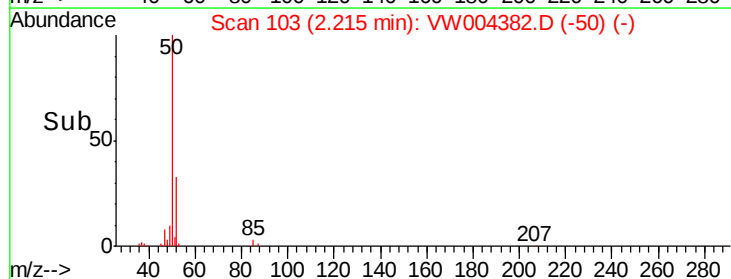
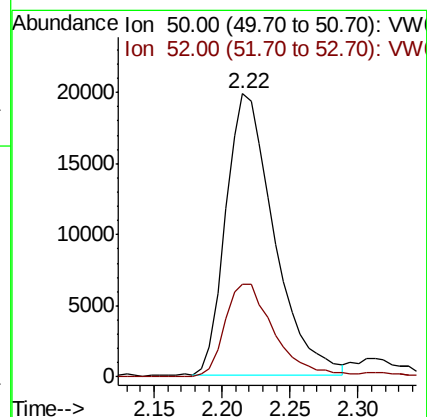
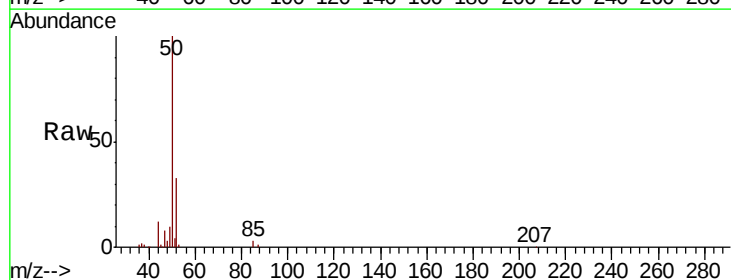
Acq: 01 Aug 2018 21:07

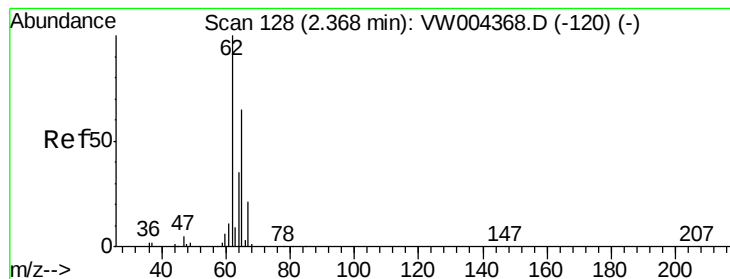
Tgt Ion: 50 Resp: 48856

Ion Ratio Lower Upper

50 100

52 32.8 21.6 40.0





#5

Vinyl chloride

Concen: 30.133 ug/L

RT: 2.37 min Scan# 128

Delta R.T. -0.00 min

Lab File: VW004382.D

Acq: 01 Aug 2018 21:07

Instrument :

MSVOA_W

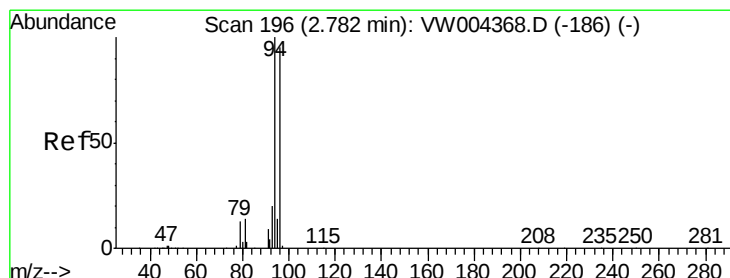
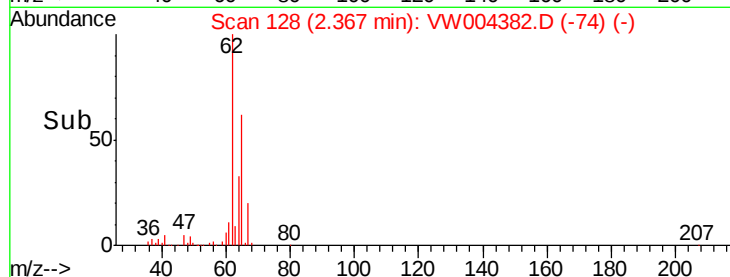
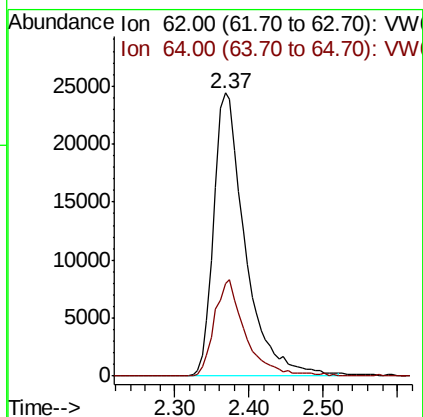
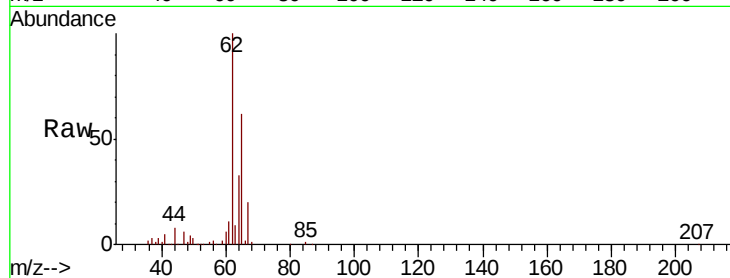
ClientSampled :

Tot Ion: 62 Resp: 71757

Ion Ratio Lower Upper

62 100

64 32.6 23.9 44.5



#6

Bromomethane

Concen: 29.165 ug/L

RT: 2.78 min Scan# 195

Delta R.T. -0.01 min

Lab File: VW004382.D

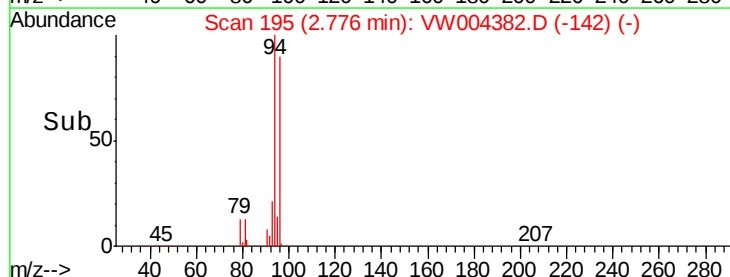
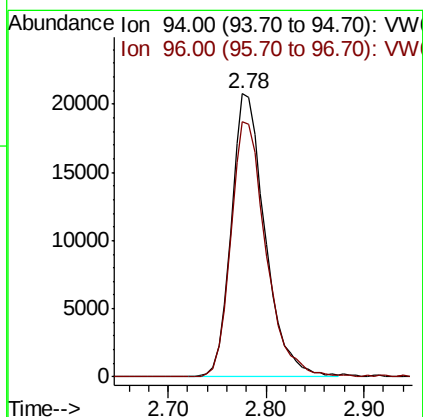
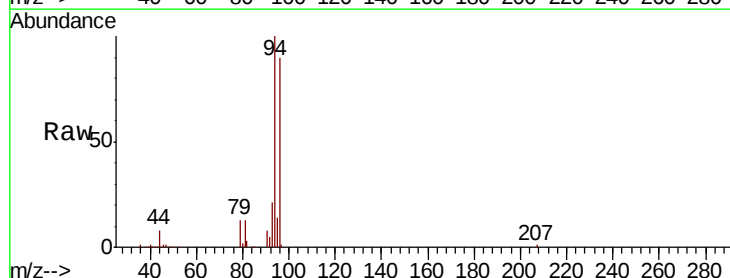
Acq: 01 Aug 2018 21:07

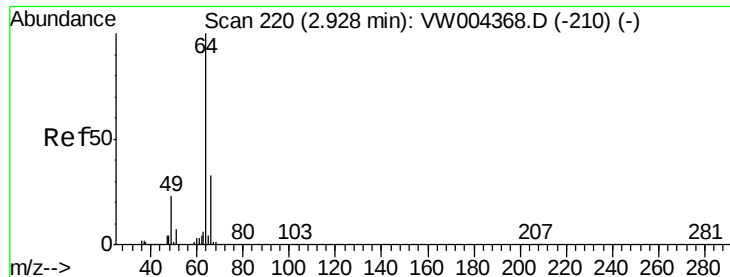
Tgt Ion: 94 Resp: 49739

Ion Ratio Lower Upper

94 100

96 93.6 9.5 181.1

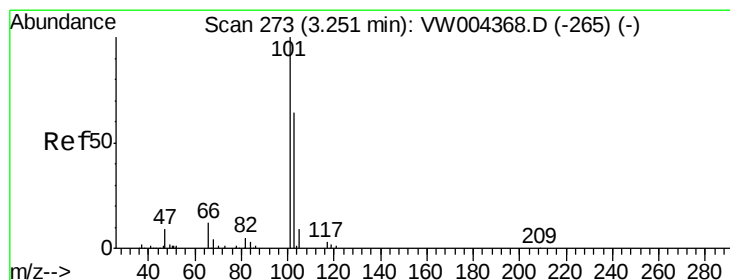
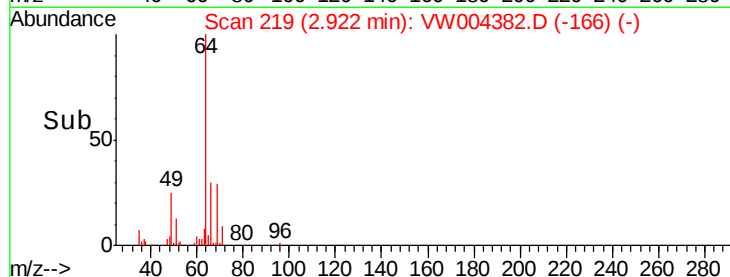
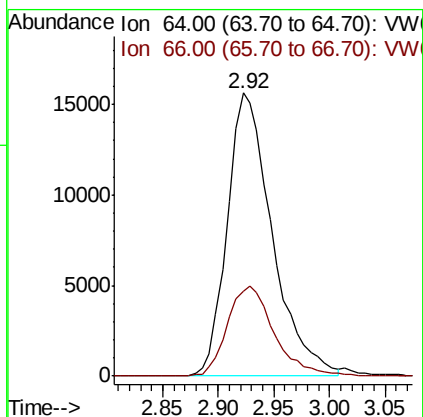
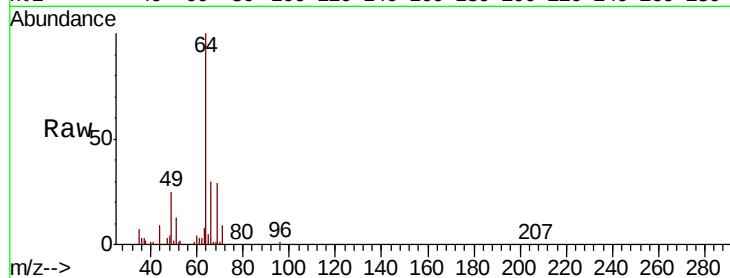




#8
Chloroethane
Concen: 26.132 ug/L
RT: 2.92 min Scan# 219
Delta R.T. -0.01 min
Lab File: VW004382.D
Acq: 01 Aug 2018 21:07

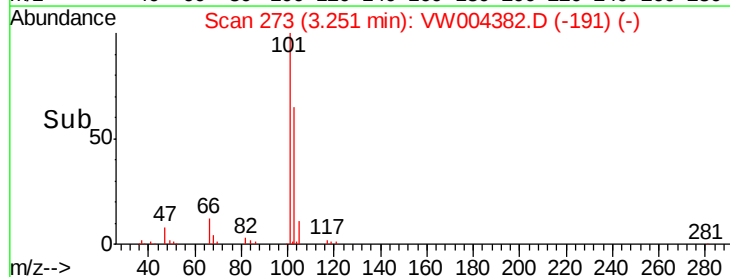
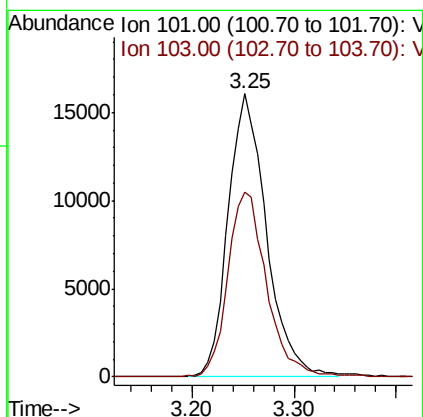
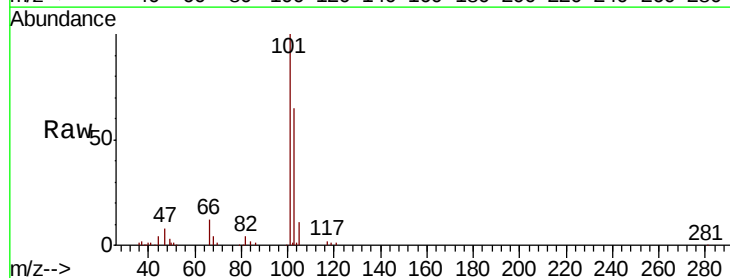
Instrument :
MSVOA_W
ClientSampleId :

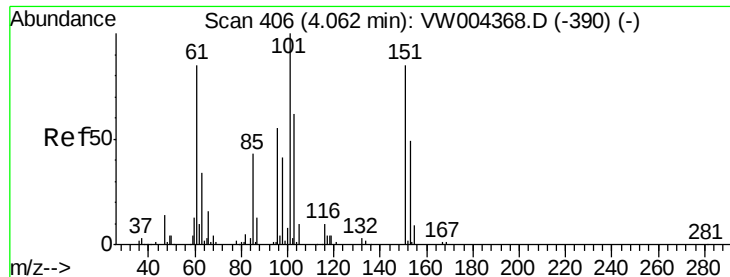
Tot Ion: 64 Resp: 43758
Ion Ratio Lower Upper
64 100
66 30.0 21.5 39.9



#9
Trichlorofluoromethane
Concen: 20.906 ug/L
RT: 3.25 min Scan# 273
Delta R.T. -0.00 min
Lab File: VW004382.D
Acq: 01 Aug 2018 21:07

Tgt Ion:101 Resp: 41737
Ion Ratio Lower Upper
101 100
103 65.8 45.3 84.1





#11

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

Concen: 26.752 ug/L

RT: 4.06 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW004382.D

Acq: 01 Aug 2018 21:07

Instrument :

MSVOA_W

ClientSampled :

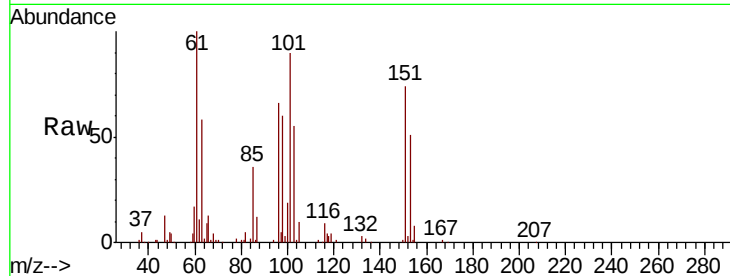
Tot Ion:101 Resp: 78734

Ion Ratio Lower Upper

101 100

85 41.7 32.4 48.6

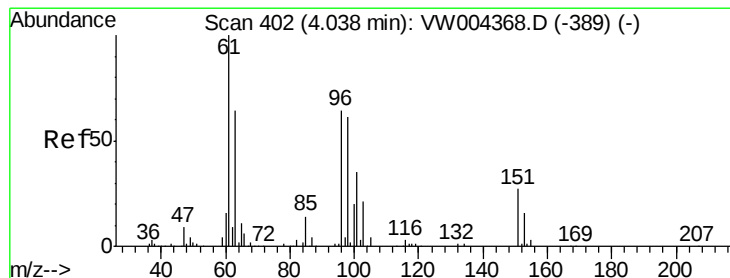
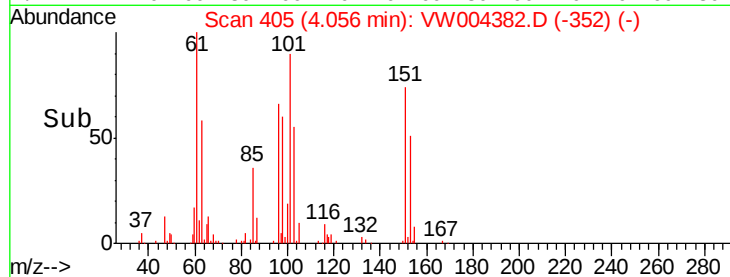
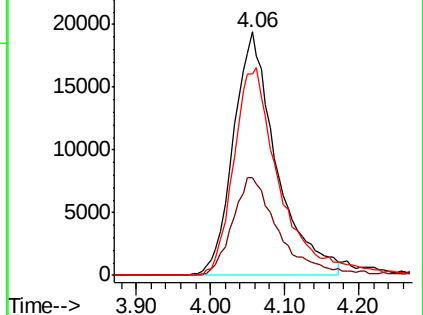
151 85.8 69.2 103.8



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: 28.174 ug/L

RT: 4.03 min Scan# 401

Delta R.T. -0.01 min

Lab File: VW004382.D

Acq: 01 Aug 2018 21:07

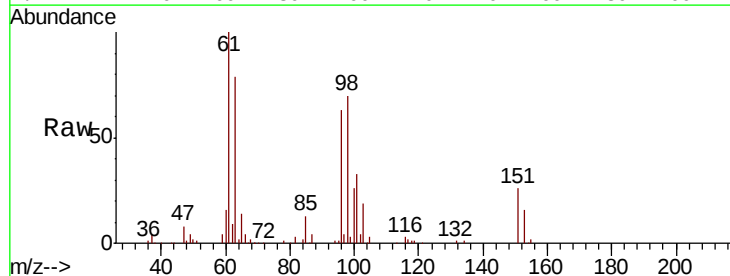
Tgt Ion: 96 Resp: 77866

Ion Ratio Lower Upper

96 100

61 157.8 115.4 214.4

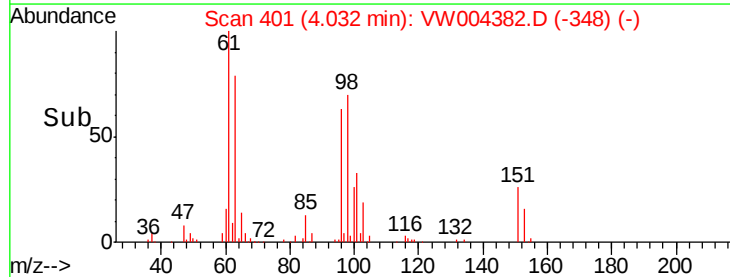
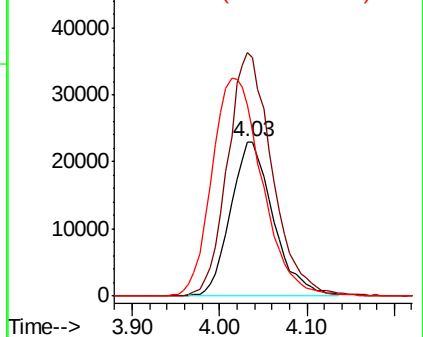
63 123.9 94.4 175.2

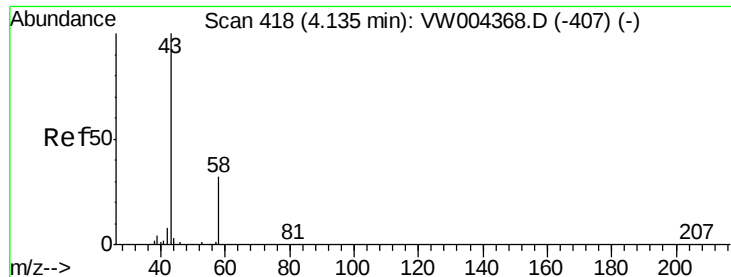


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

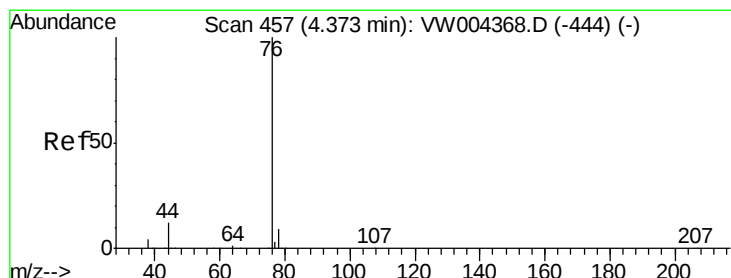
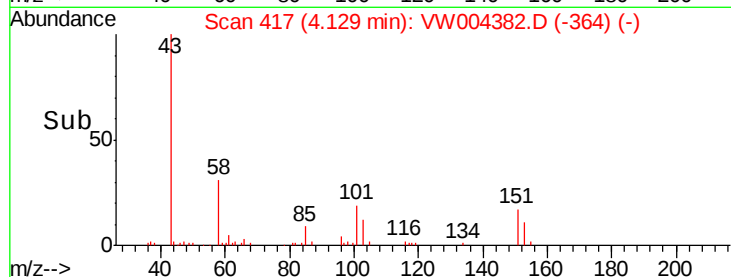
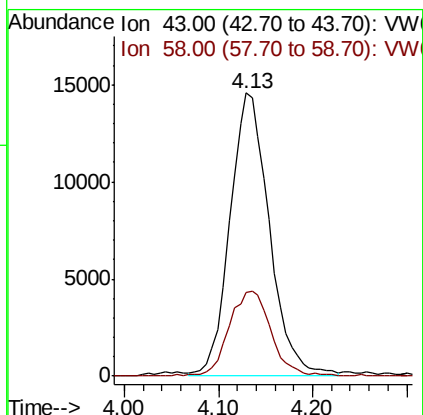
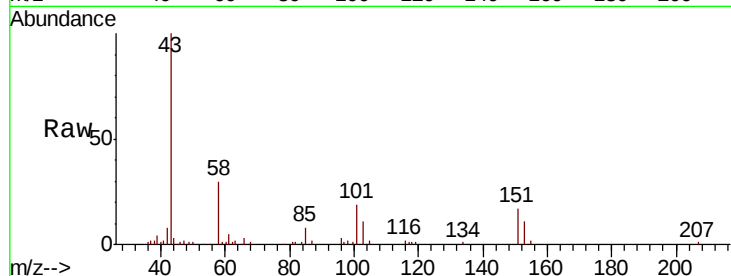




#13
Acetone
Concen: 44.995 ug/L
RT: 4.13 min Scan# 417
Delta R.T. -0.01 min
Lab File: VW004382.D
Acq: 01 Aug 2018 21:07

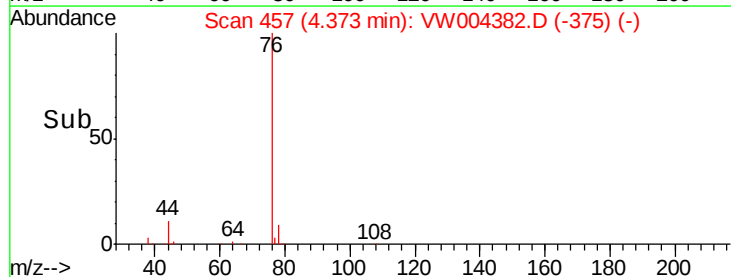
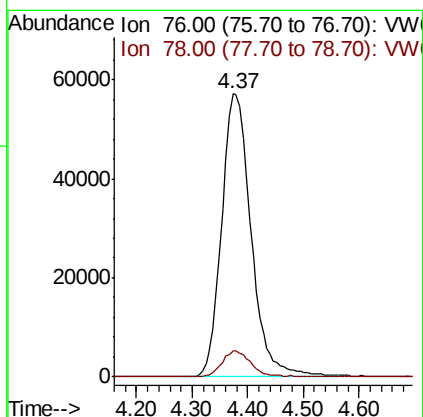
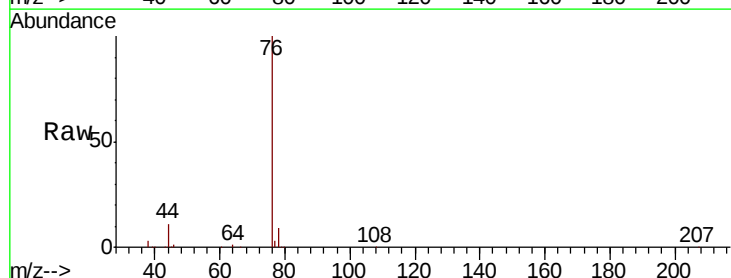
Instrument :
MSVOA_W
ClientSampleId :

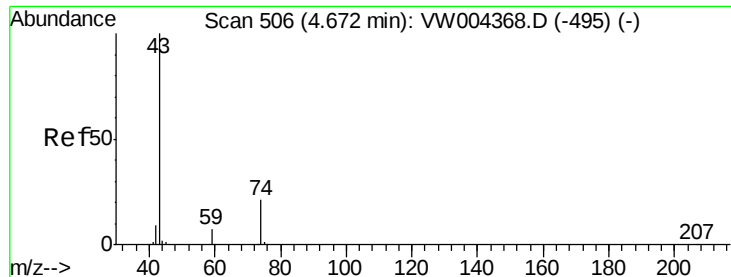
Tot Ion: 43 Resp: 42336
Ion Ratio Lower Upper
43 100
58 30.9 0.0 64.8



#14
Carbon disulfide
Concen: 25.649 ug/L
RT: 4.37 min Scan# 457
Delta R.T. -0.00 min
Lab File: VW004382.D
Acq: 01 Aug 2018 21:07

Tgt Ion: 76 Resp: 209672
Ion Ratio Lower Upper
76 100
78 9.4 7.5 11.3

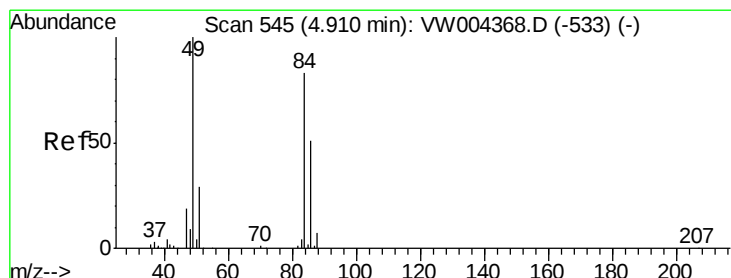
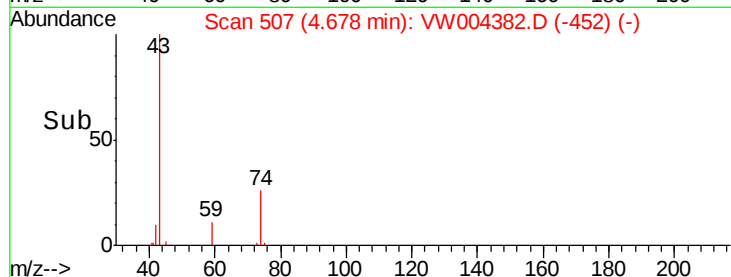
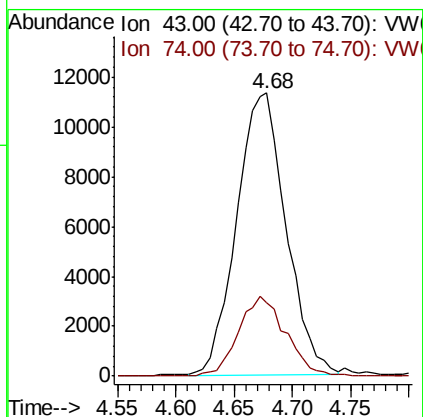
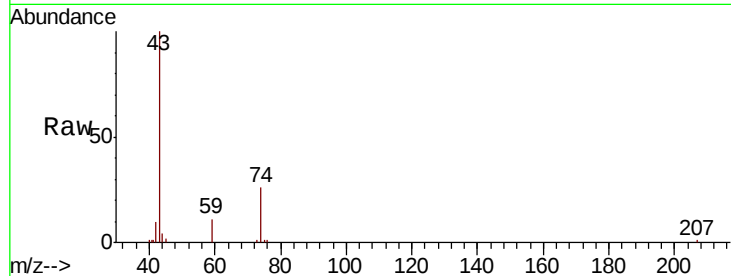




#15
Methvl Acetate
Concen: 17.827 ug/L
RT: 4.68 min Scan# 507
Delta R.T. 0.01 min
Lab File: VW004382.D
Acq: 01 Aug 2018 21:07

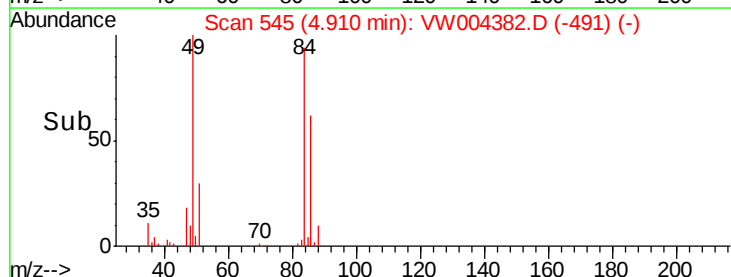
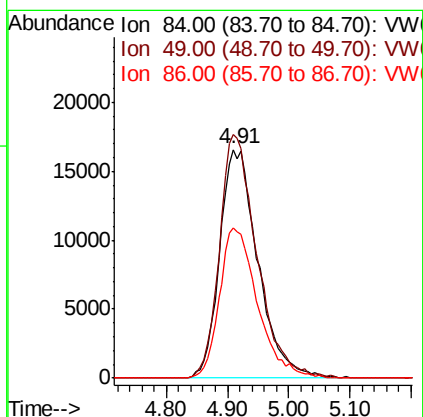
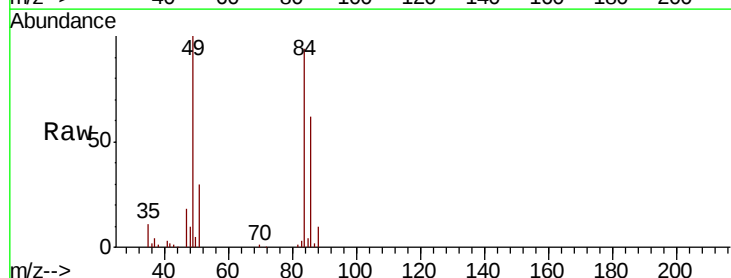
Instrument :
MSVOA_W
ClientSampleId :

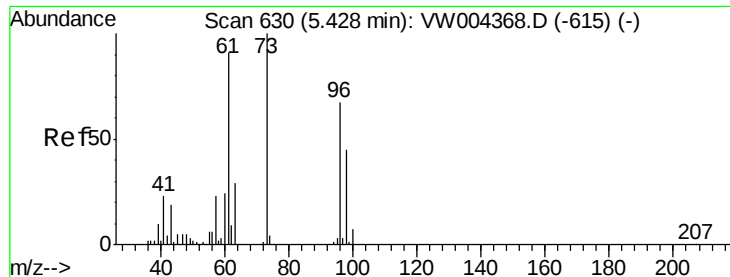
Tot Ion: 43 Resp: 33444
Ion Ratio Lower Upper
43 100
74 26.8 20.6 31.0



#16
Methylene chloride
Concen: 20.387 ug/L
RT: 4.91 min Scan# 545
Delta R.T. -0.00 min
Lab File: VW004382.D
Acq: 01 Aug 2018 21:07

Tgt Ion: 84 Resp: 71733
Ion Ratio Lower Upper
84 100
49 106.6 79.5 147.7
86 65.9 45.8 85.2

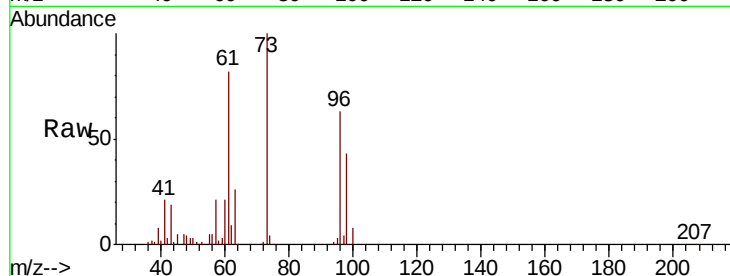




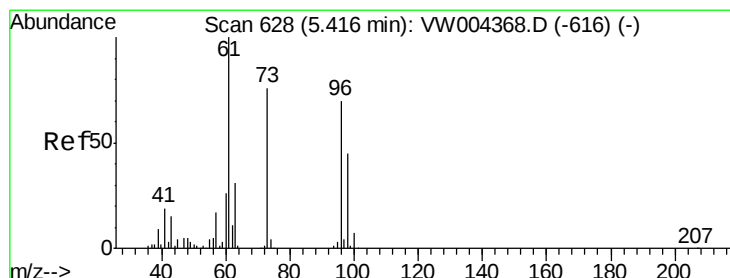
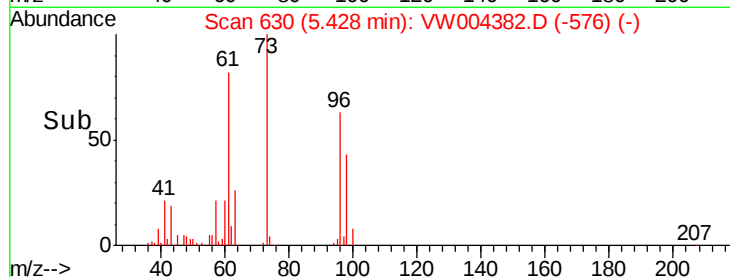
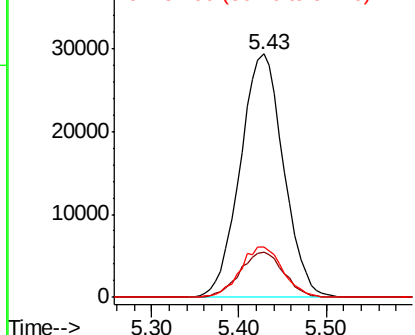
#17
Methvl tert-butvl Ether
Concen: 23.289 ug/L
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW004382.D
Acq: 01 Aug 2018 21:07

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 73 Resp: 101098
Ion Ratio Lower Upper
73 100
43 18.9 15.1 22.7
57 20.4 17.1 25.7

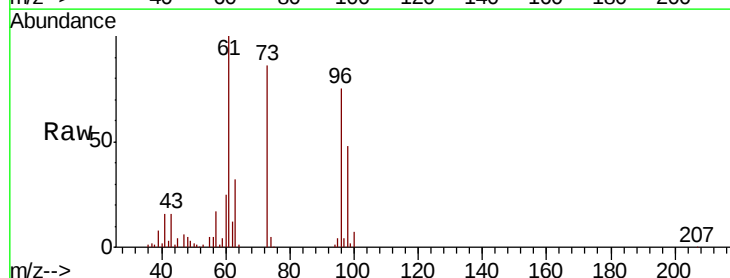


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

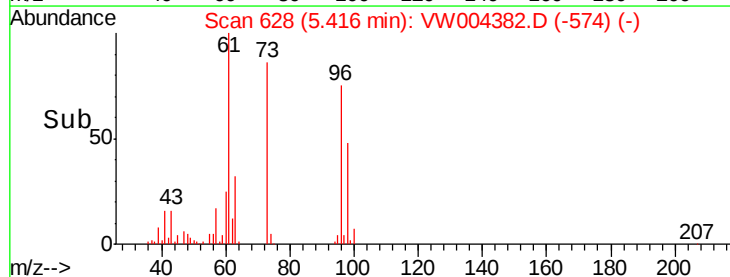
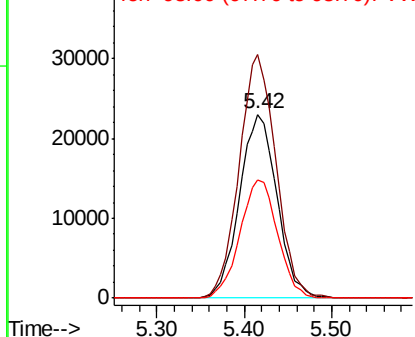


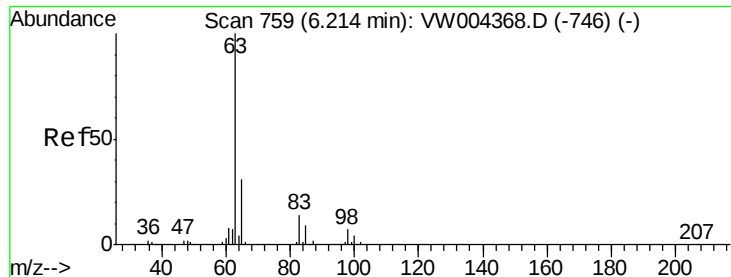
#18
trans-1,2-Dichloroethene
Concen: 22.872 ug/L
RT: 5.42 min Scan# 628
Delta R.T. -0.00 min
Lab File: VW004382.D
Acq: 01 Aug 2018 21:07

Tgt Ion: 96 Resp: 68610
Ion Ratio Lower Upper
96 100
61 132.6 93.7 174.1
98 64.3 41.9 77.7



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

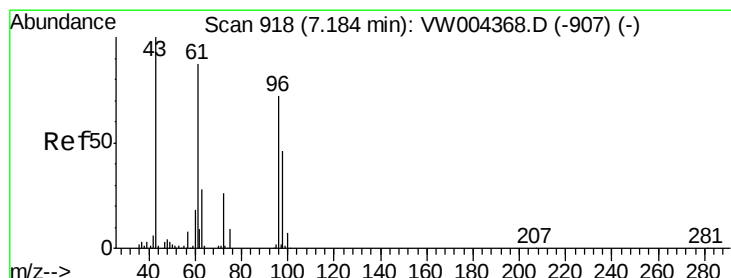
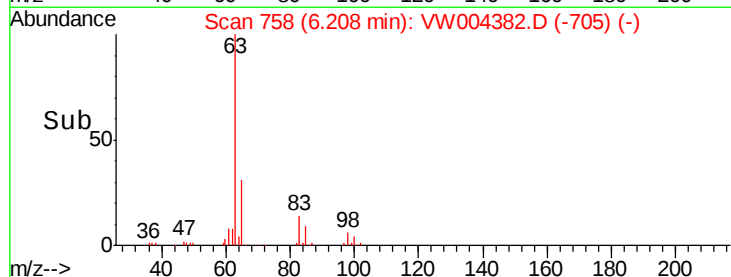
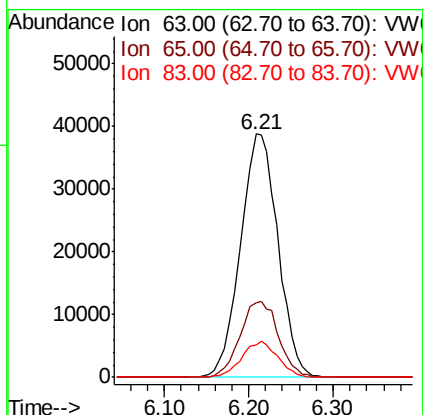
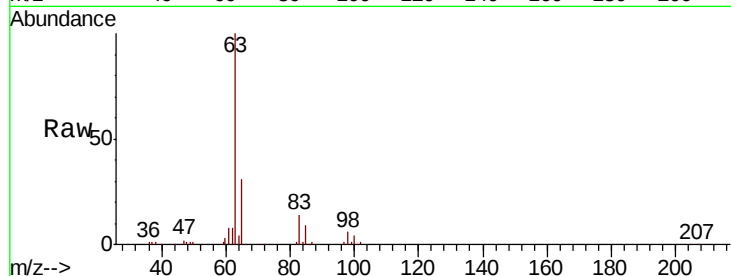




#19
 1,1-Dichloroethane
 Concen: 22.379 ug/L
 RT: 6.21 min Scan# 758
 Delta R.T. -0.01 min
 Lab File: VW004382.D
 Acq: 01 Aug 2018 21:07

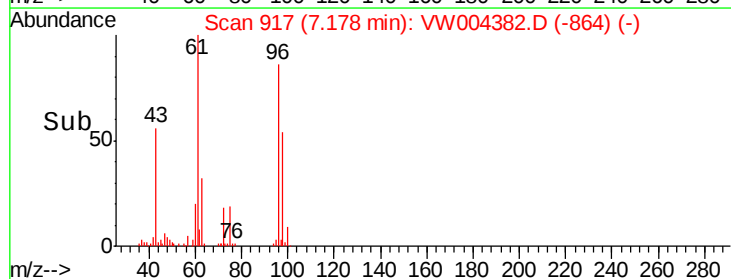
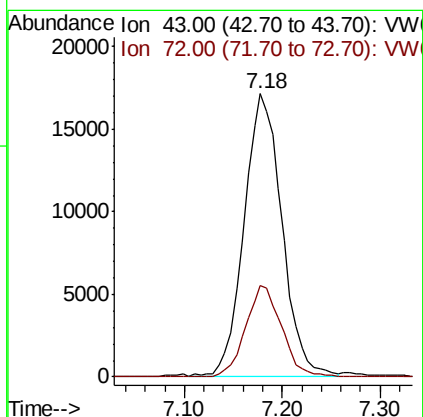
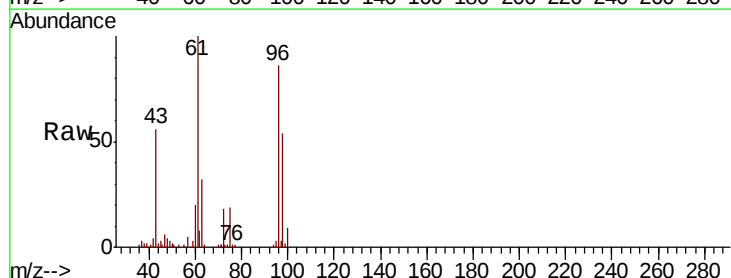
Instrument :
 MSVOA_W
 ClientSampled :

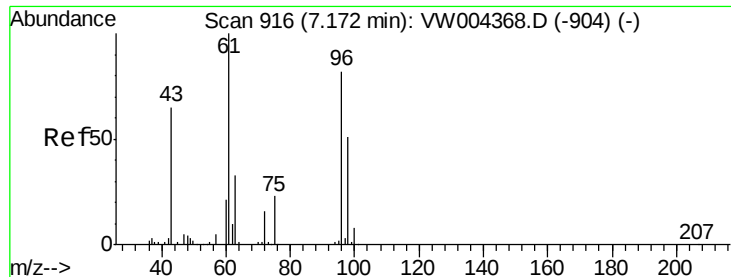
Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	23.0	42.8
83	13.5	10.3	19.1



#21
 2-Butanone
 Concen: 36.202 ug/L
 RT: 7.18 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: VW004382.D
 Acq: 01 Aug 2018 21:07

Tgt Ion	Ratio	Lower	Upper
43	100		
72	30.5	14.4	43.2



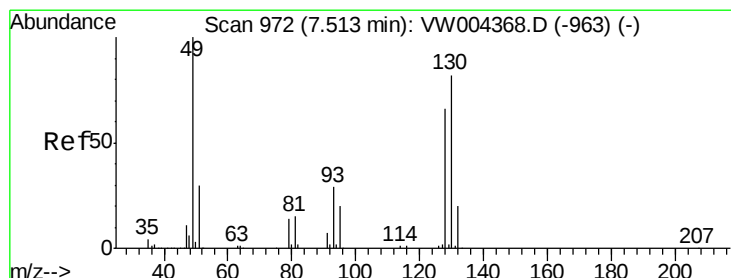
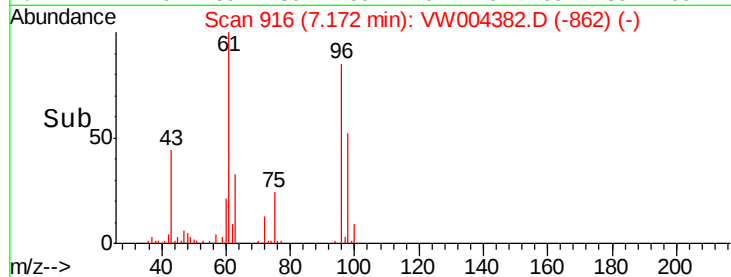
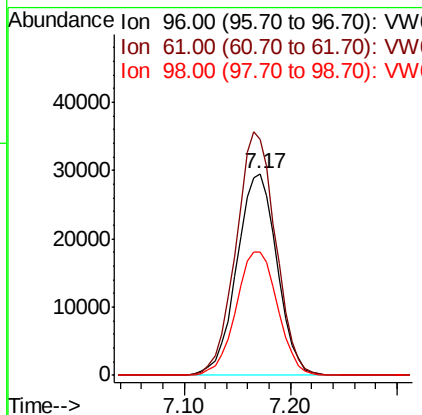
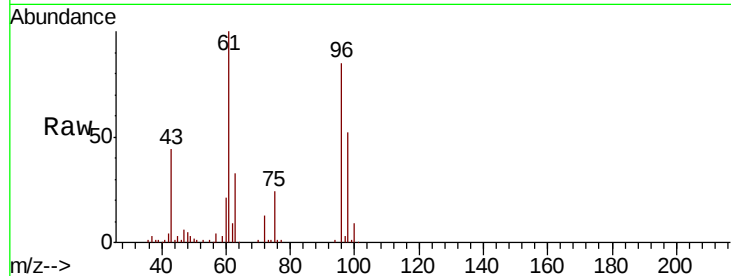


#22

cis-1,2-Dichloroethene
 Concen: 23.719 ug/L
 RT: 7.17 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: VW004382.D
 Acq: 01 Aug 2018 21:07

Instrument :
 MSVOA_W
 ClientSampleId :

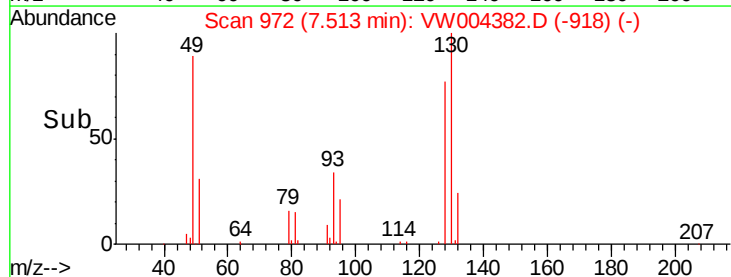
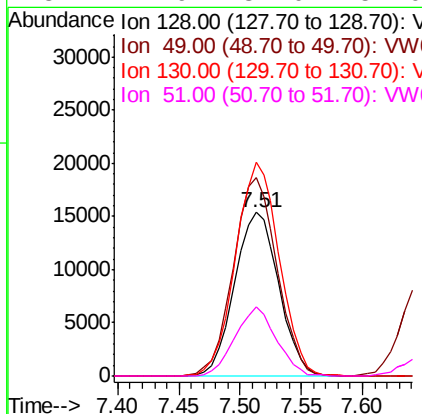
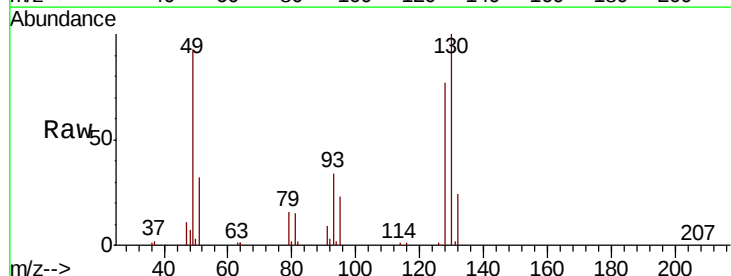
Tot Ion: 96 Resp: 78422
 Ion Ratio Lower Upper
 96 100
 61 117.4 85.7 159.1
 98 61.1 43.8 81.3

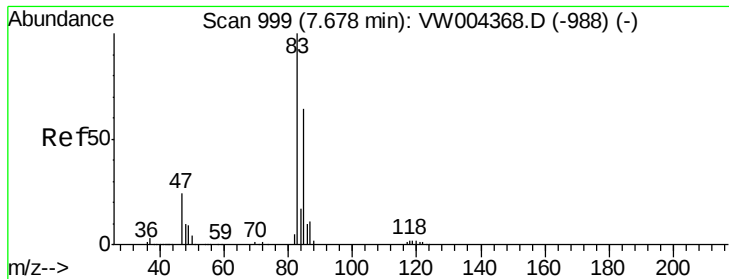


#23

Bromochloromethane
 Concen: 24.854 ug/L
 RT: 7.51 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VW004382.D
 Acq: 01 Aug 2018 21:07

Tgt Ion: 128 Resp: 38595
 Ion Ratio Lower Upper
 128 100
 49 121.6 90.9 168.7
 130 130.5 93.8 174.2
 51 41.9 34.0 51.0





#25

Chloroform

Concen: 23.959 ug/L

RT: 7.68 min Scan# 999

Delta R.T. -0.00 min

Lab File: VW004382.D

Acq: 01 Aug 2018 21:07

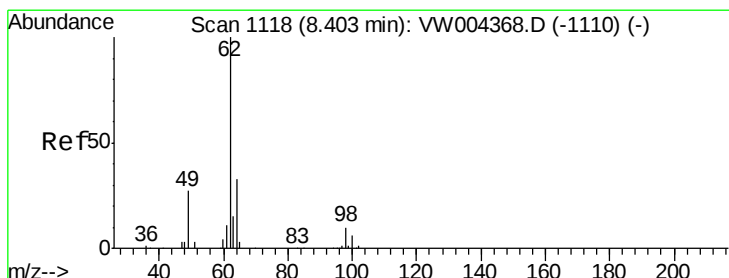
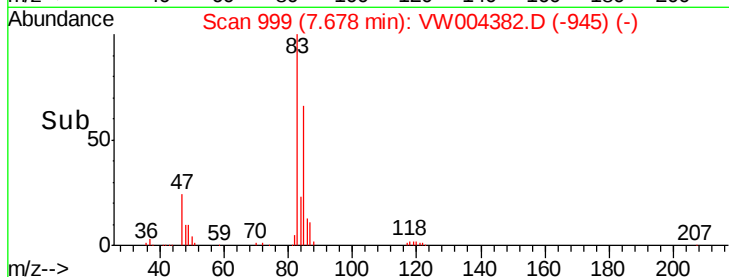
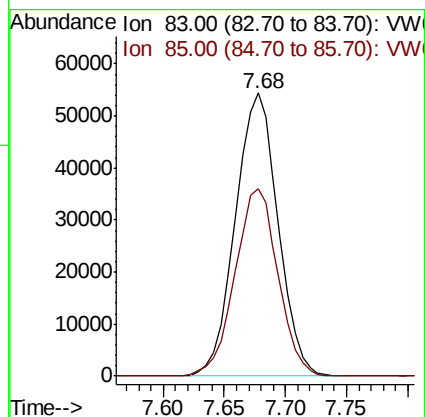
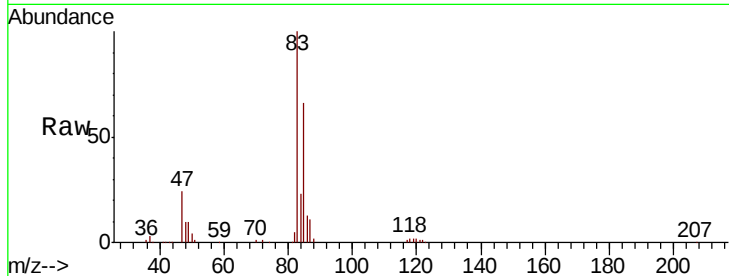
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 83 Resp: 131465

Ion Ratio Lower Upper

83 100

85 66.9 46.2 85.8



#27

1,2-Dichloroethane

Concen: 24.288 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VW004382.D

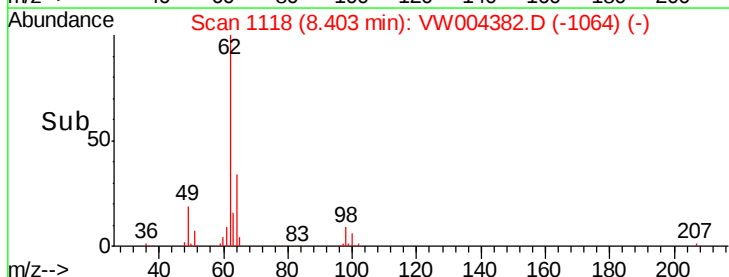
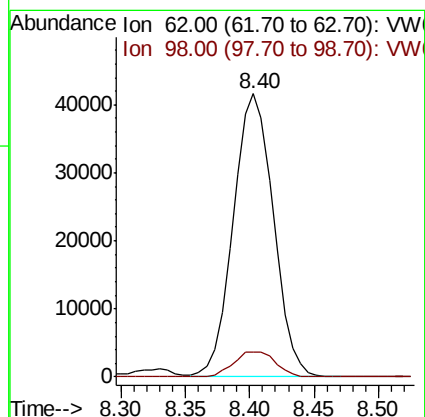
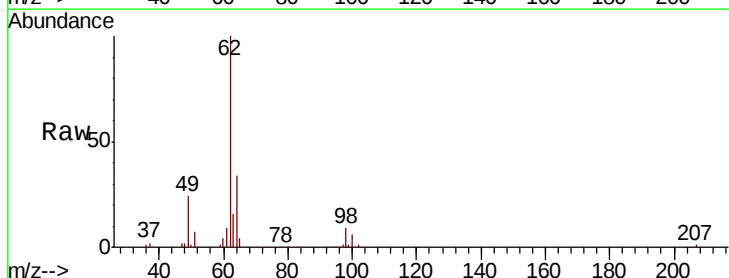
Acq: 01 Aug 2018 21:07

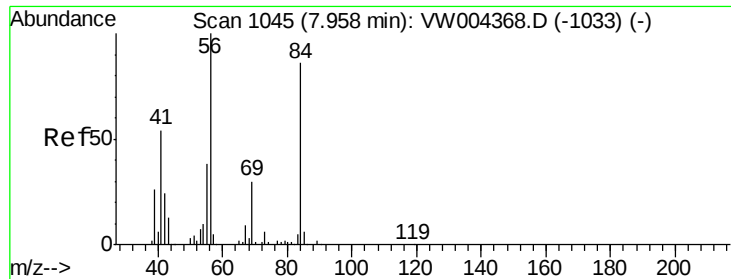
Tgt Ion: 62 Resp: 90015

Ion Ratio Lower Upper

62 100

98 8.7 7.8 11.8

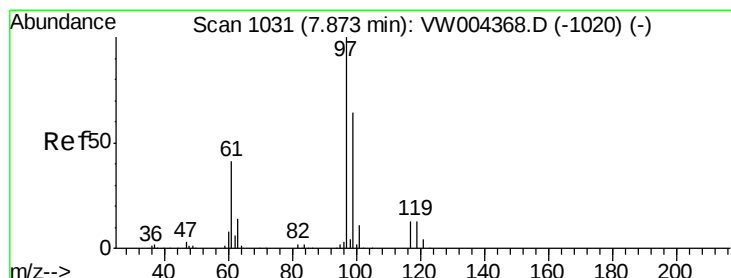
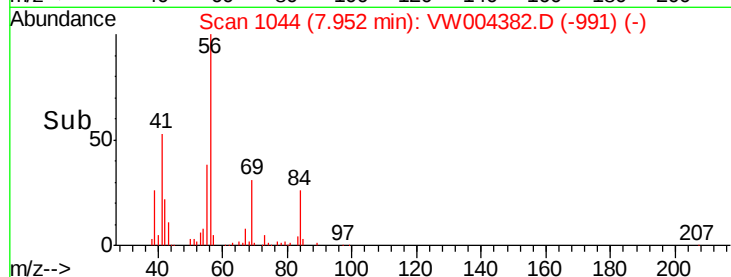
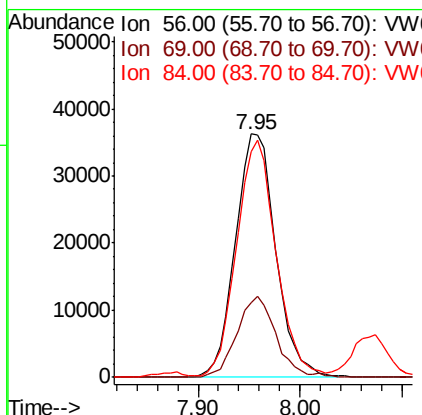
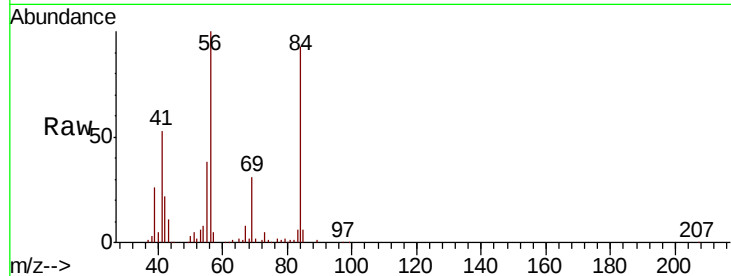




#30
Cyclohexane
Concen: 19.957 ug/L
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW004382.D
Acq: 01 Aug 2018 21:07

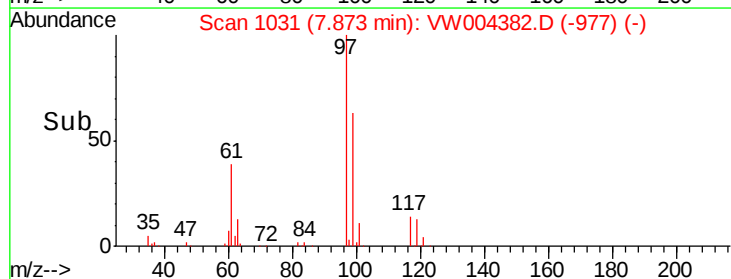
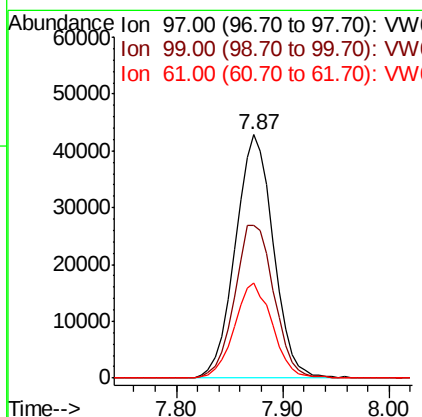
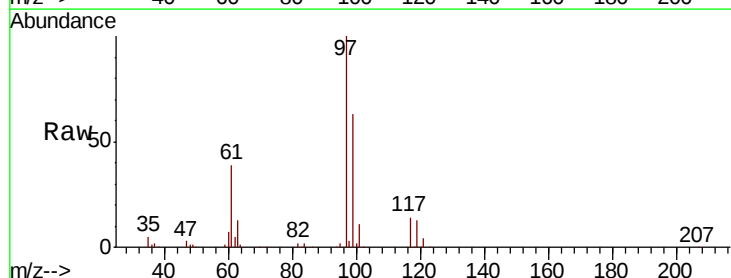
Instrument :
MSVOA_W
ClientSampleId :

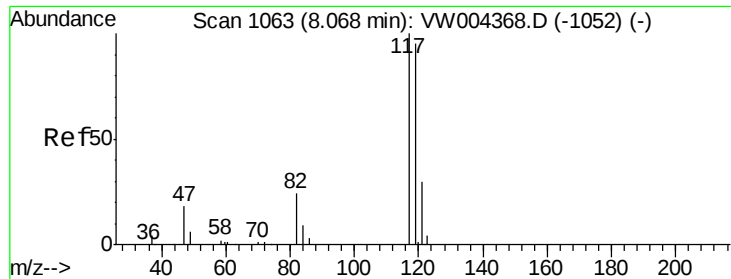
Tot Ion	56	Resp	100029
Ion Ratio	Lower	Upper	
56	100		
69	31.7	25.7	38.5
84	95.1	73.8	110.6



#31
1,1,1-Trichloroethane
Concen: 23.116 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW004382.D
Acq: 01 Aug 2018 21:07

Tgt Ion	97	Resp	107505
Ion Ratio	Lower	Upper	
97	100		
99	65.1	51.4	77.0
61	39.2	32.2	48.2





#32

Carbon tetrachloride

Concen: 23.867 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VW004382.D

Acq: 01 Aug 2018 21:07

Instrument :

MSVOA_W

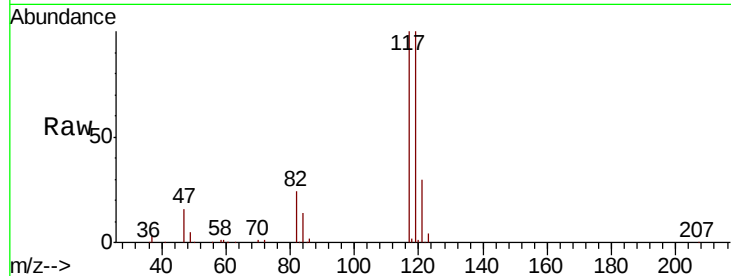
ClientSampleId :

Tot Ion:117 Resp: 108105

Ion Ratio Lower Upper

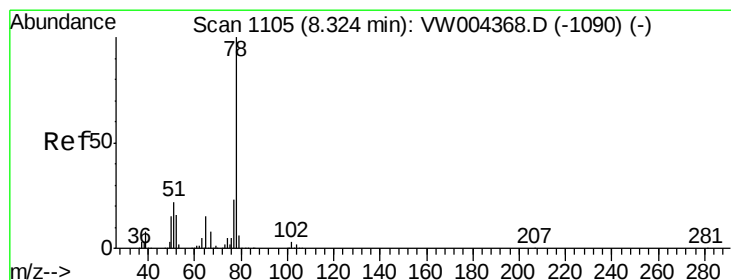
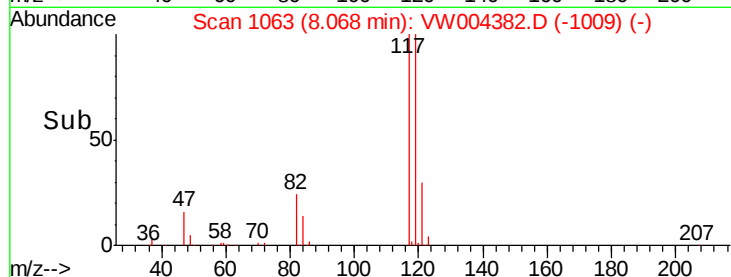
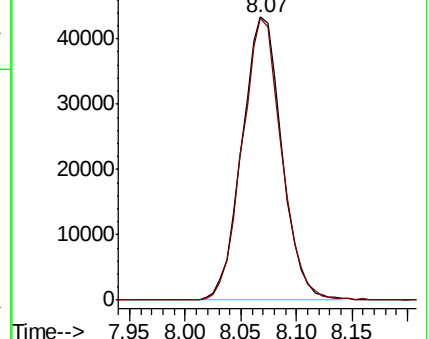
117 100

119 98.1 77.0 115.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 22.379 ug/L

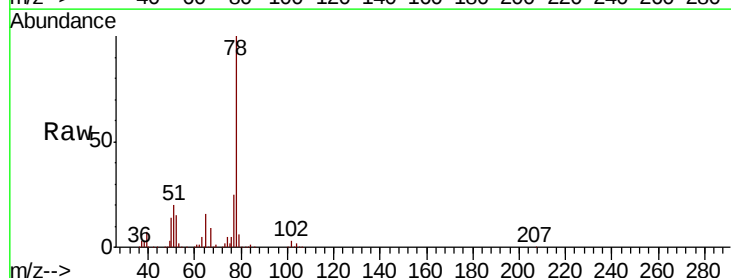
RT: 8.32 min Scan# 1105

Delta R.T. -0.00 min

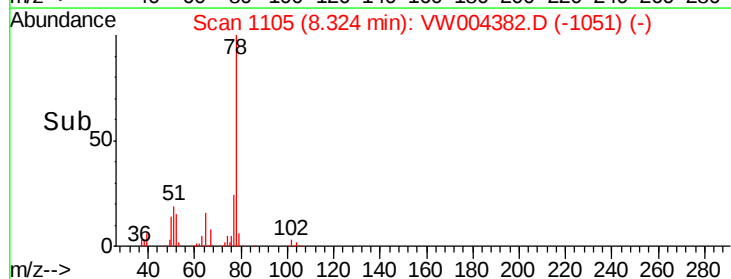
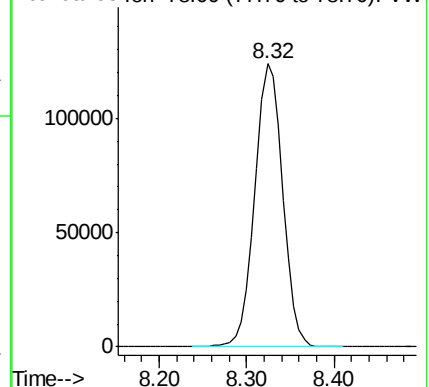
Lab File: VW004382.D

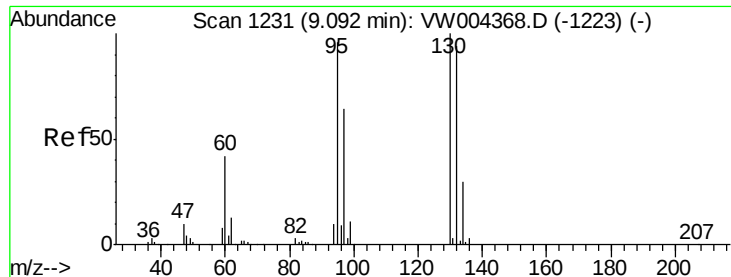
Acq: 01 Aug 2018 21:07

Tgt Ion: 78 Resp: 275342



Abundance Ion 78.00 (77.70 to 78.70): VW

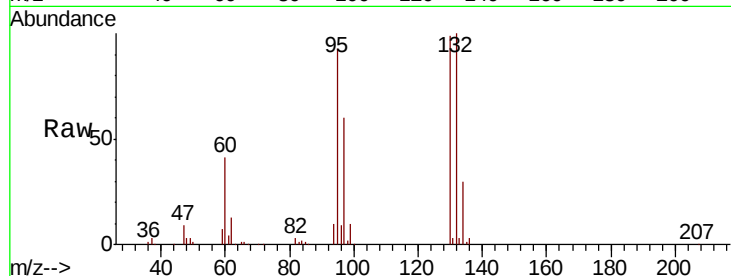




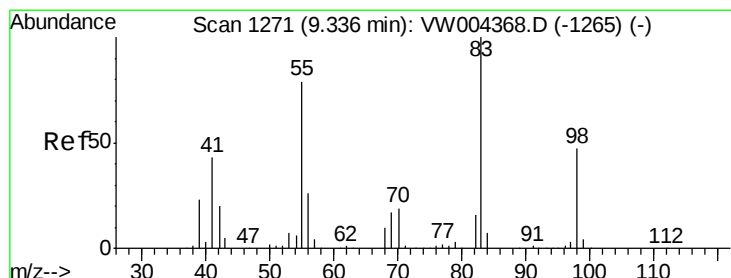
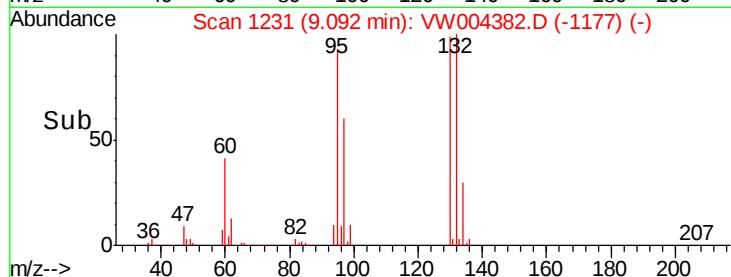
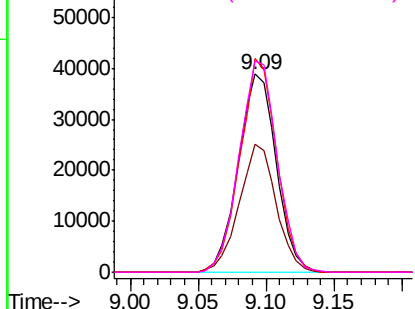
#35
 Trichloroethene
 Concen: 23.042 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VW004382.D
 Acq: 01 Aug 2018 21:07

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 95 Resp: 75888
 Ion Ratio Lower Upper
 95 100
 97 63.0 45.6 84.6
 132 103.7 71.2 132.2
 130 107.0 73.9 137.3

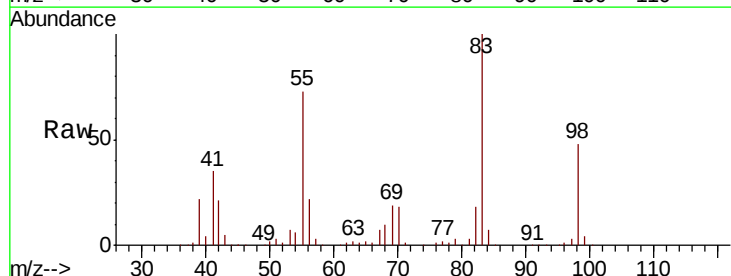


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

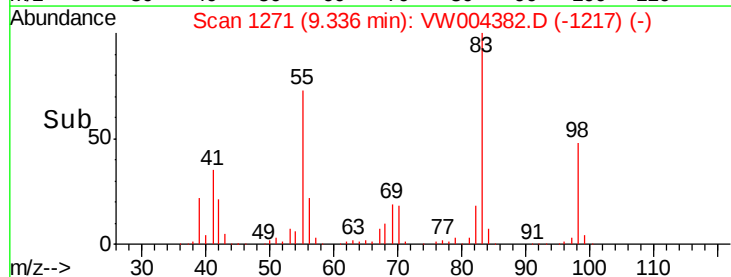
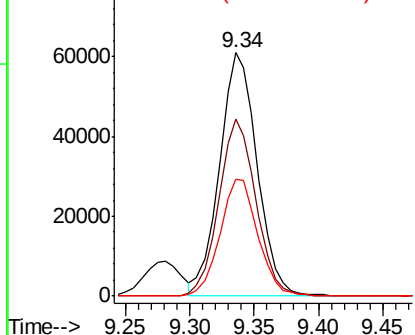


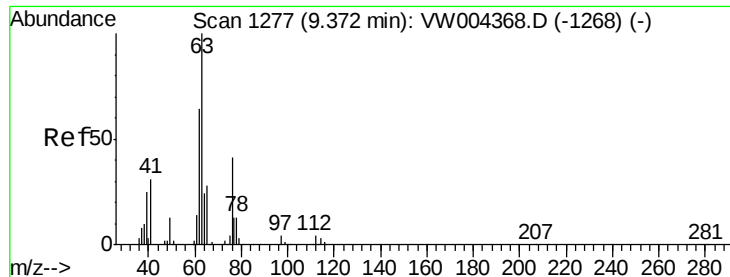
#36
 Methylcyclohexane
 Concen: 21.259 ug/L
 RT: 9.34 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VW004382.D
 Acq: 01 Aug 2018 21:07

Tgt Ion: 83 Resp: 124889
 Ion Ratio Lower Upper
 83 100
 55 71.5 58.2 87.2
 98 48.6 37.7 56.5



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

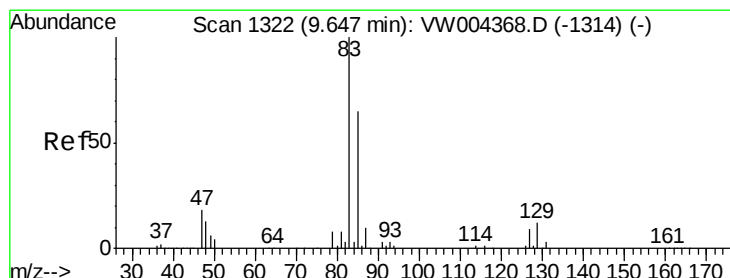
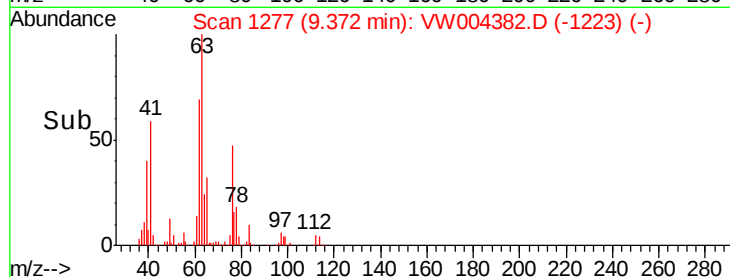
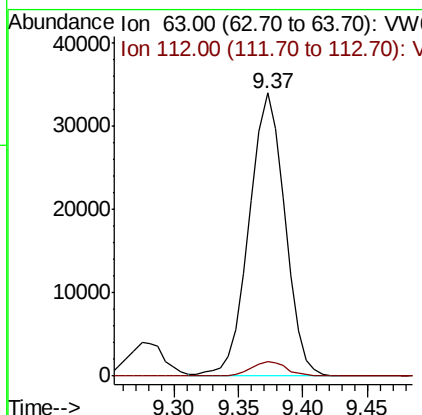
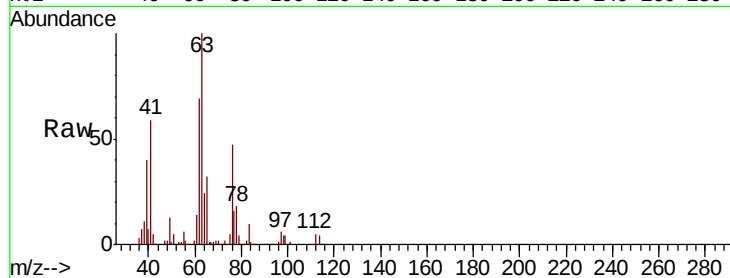




#40
 1,2-Dichloropropane
 Concen: 21.219 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW004382.D
 Acq: 01 Aug 2018 21:07

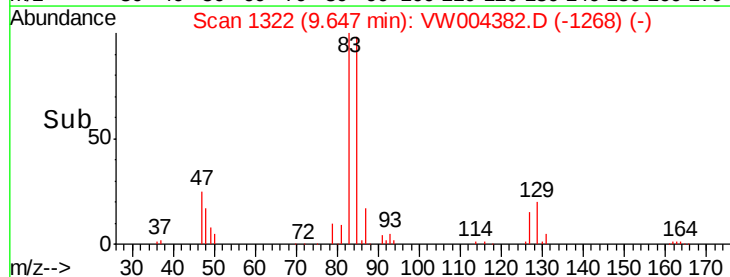
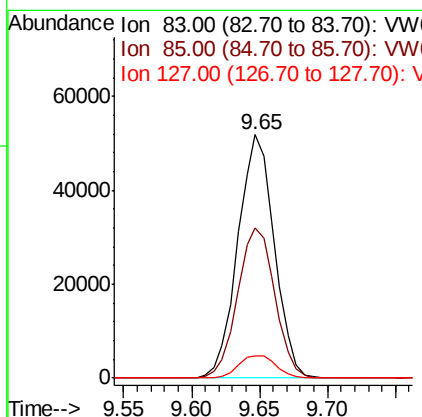
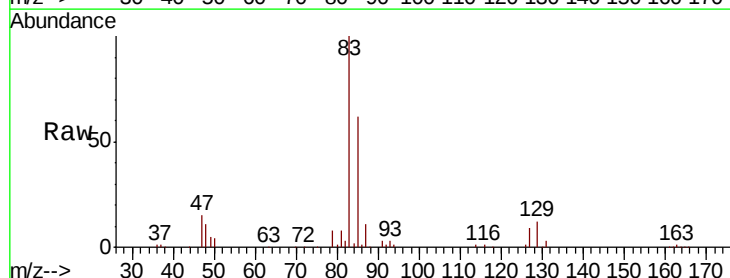
Instrument :
 MSVOA_W
 ClientSampleId :

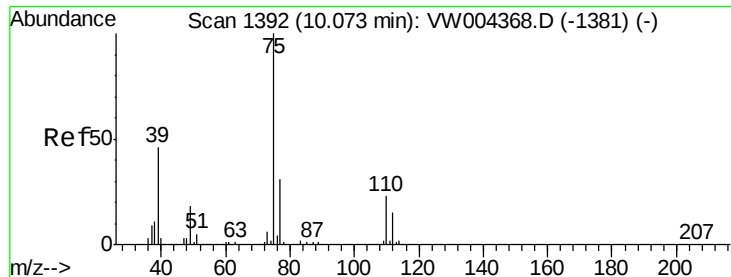
Tot Ion: 63 Resp: 65487
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.4 5.2



#41
 Bromodichloromethane
 Concen: 24.288 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VW004382.D
 Acq: 01 Aug 2018 21:07

Tgt Ion: 83 Resp: 96982
 Ion Ratio Lower Upper
 83 100
 85 61.7 44.9 83.3
 127 9.3 7.4 11.0





#42

cis-1,3-Dichloropropene

Concen: 22.687 ug/L

RT: 10.07 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW004382.D

Acq: 01 Aug 2018 21:07

Instrument :

MSVOA_W

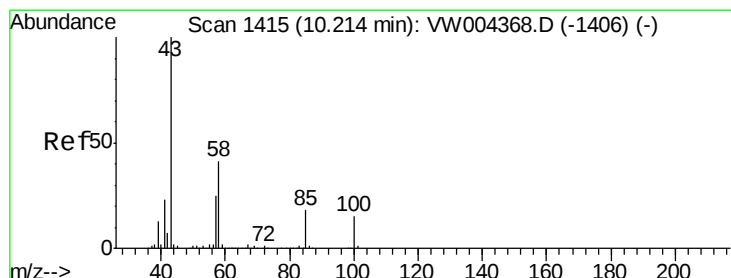
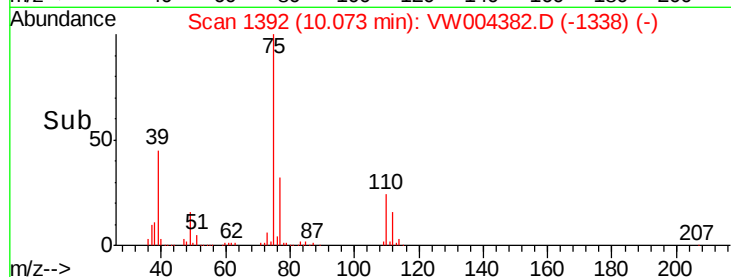
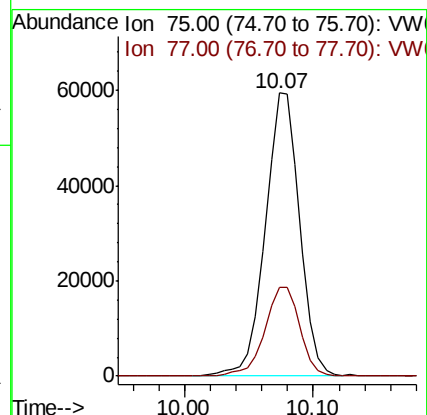
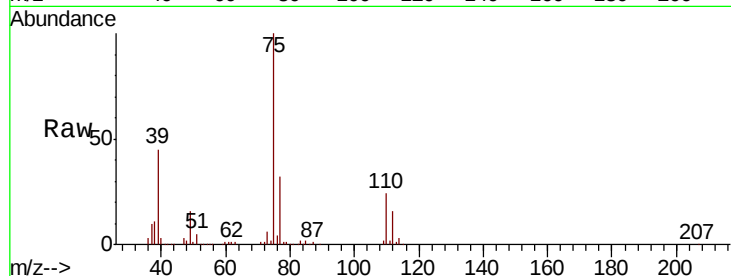
ClientSampleId :

Tot Ion: 75 Resp: 109829

Ion Ratio Lower Upper

75 100

77 31.5 22.0 41.0



#43

4-Methyl-2-pentanone

Concen: 37.168 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW004382.D

Acq: 01 Aug 2018 21:07

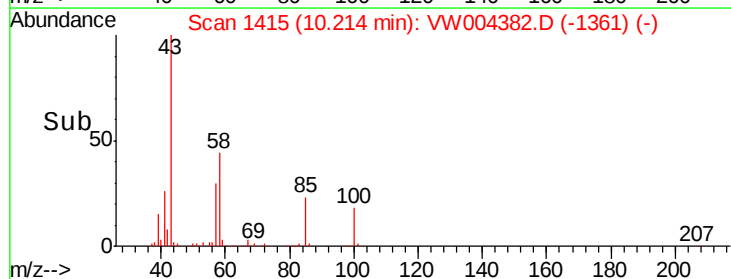
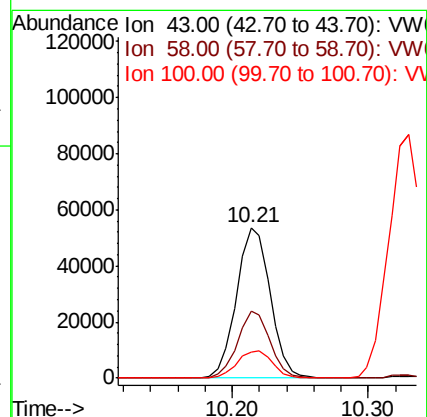
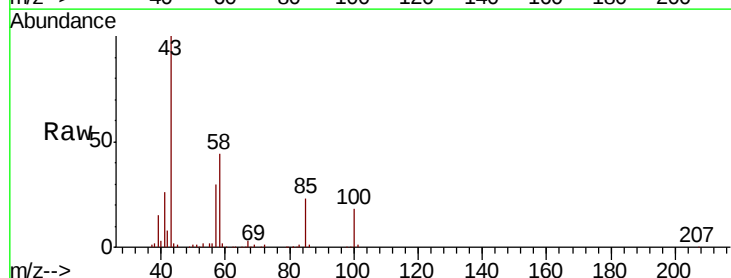
Tgt Ion: 43 Resp: 92867

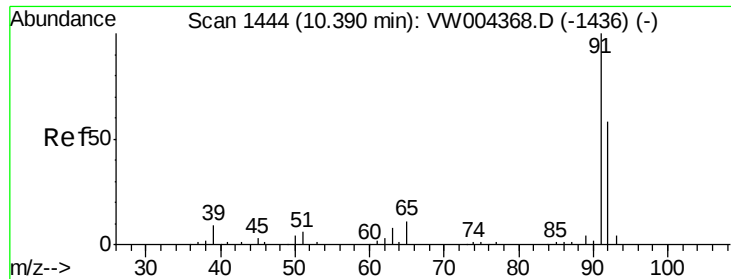
Ion Ratio Lower Upper

43 100

58 42.8 32.3 48.5

100 18.7 13.9 20.9





#44

Toluene

Concen: 22.715 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW004382.D

Acq: 01 Aug 2018 21:07

Instrument :

MSVOA_W

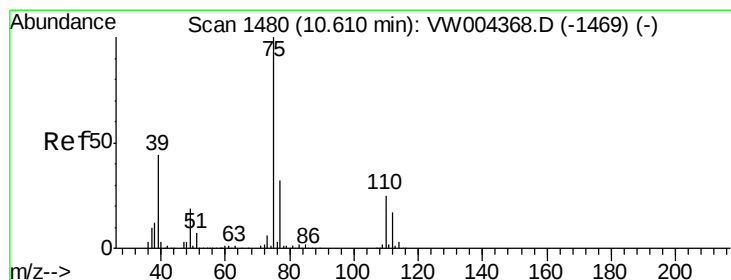
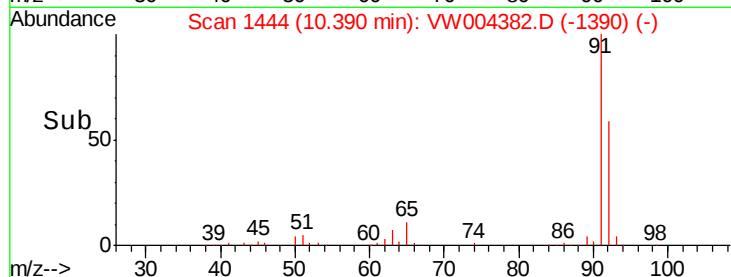
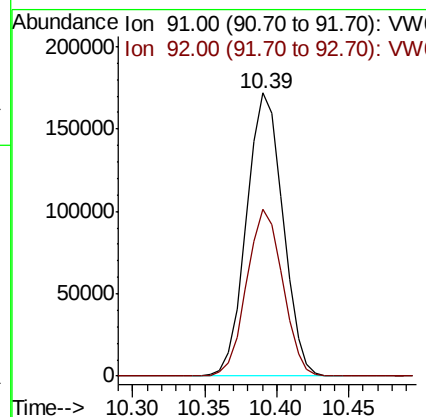
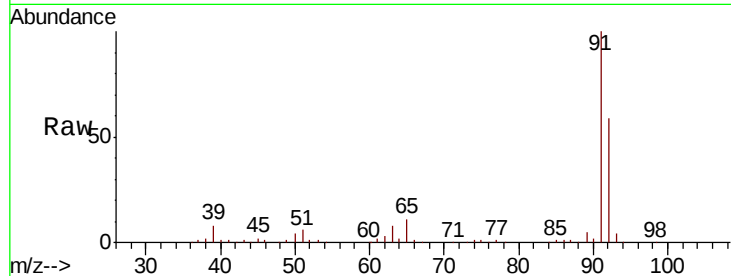
ClientSampleId :

Tot Ion: 91 Resp: 300526

Ion Ratio Lower Upper

91 100

92 59.1 40.9 75.9



#45

trans-1,3-Dichloropropene

Concen: 23.786 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004382.D

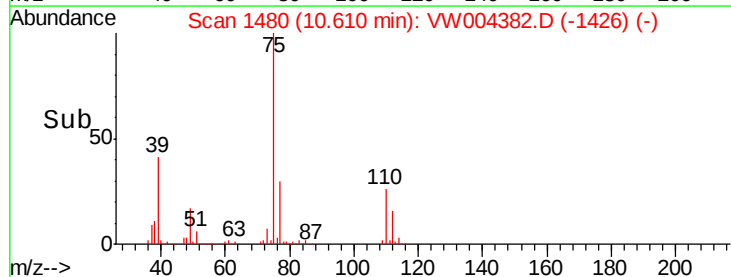
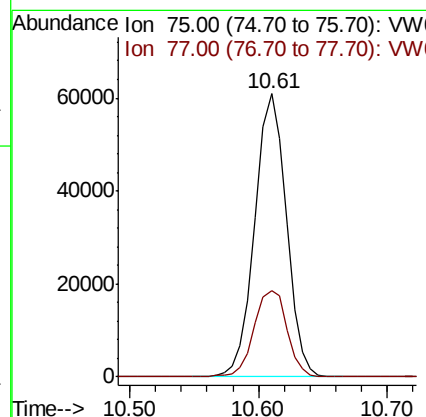
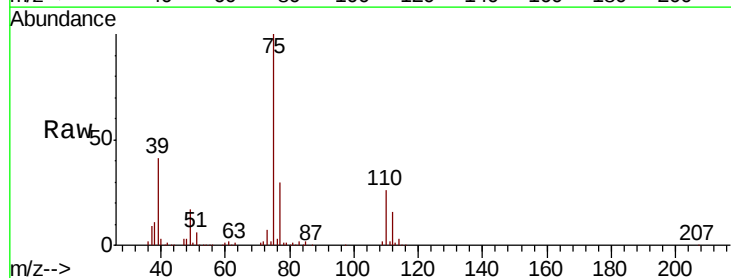
Acq: 01 Aug 2018 21:07

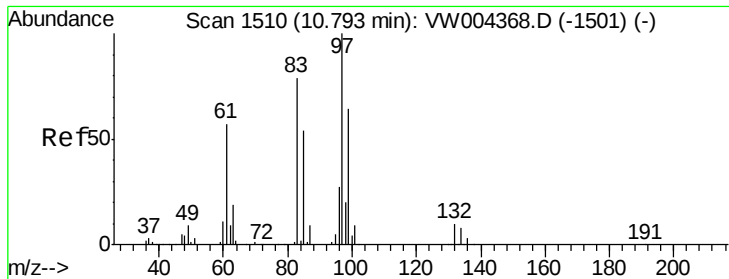
Tgt Ion: 75 Resp: 103378

Ion Ratio Lower Upper

75 100

77 30.4 23.9 44.5

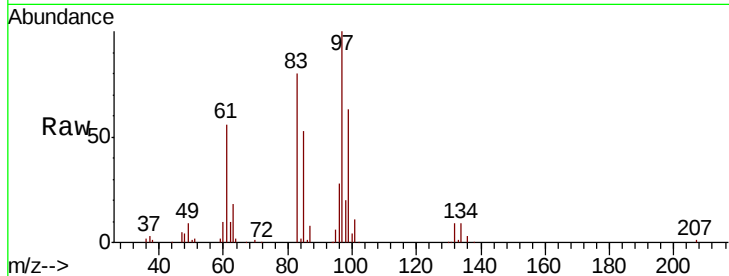




#46
 1,1,2-Trichloroethane
 Concen: 23.393 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW004382.D
 Acq: 01 Aug 2018 21:07

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:	97	Resp:	59537
Ion	Ratio	Lower	Upper
97	100		
83	79.8	59.4	110.2
85	52.6	39.0	72.4
99	62.9	46.0	85.4



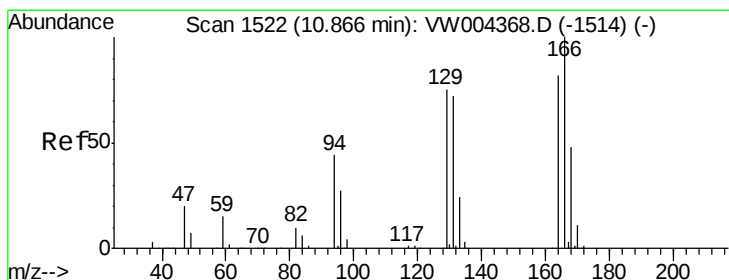
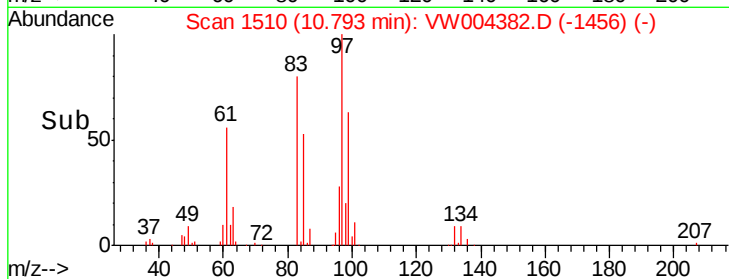
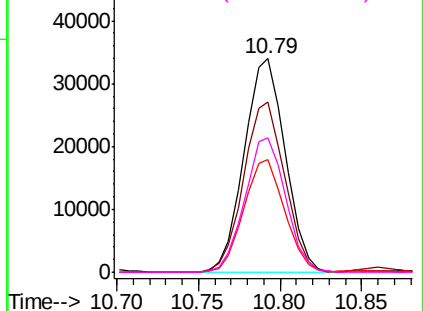
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
 Tetrachloroethene
 Concen: 23.944 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. -0.00 min
 Lab File: VW004382.D
 Acq: 01 Aug 2018 21:07

Tgt Ion:	164	Resp:	67712
Ion	Ratio	Lower	Upper
164	100		
129	90.5	63.7	118.3
131	86.7	61.6	114.4
166	128.5	87.9	163.3

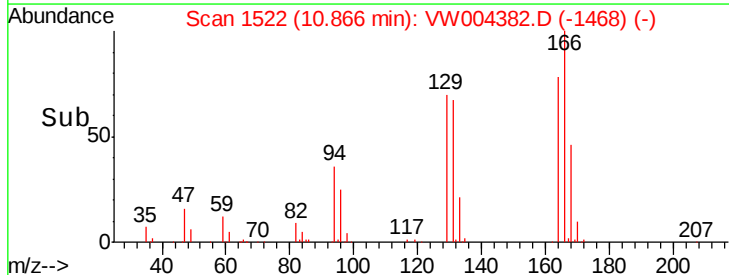
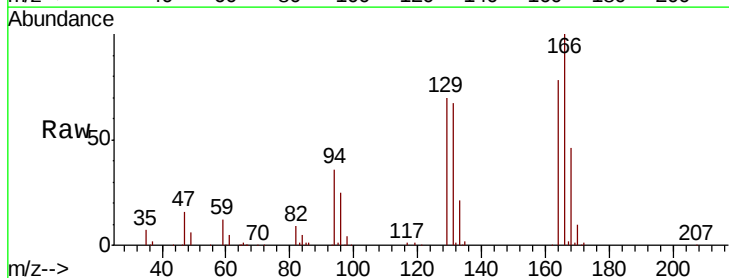
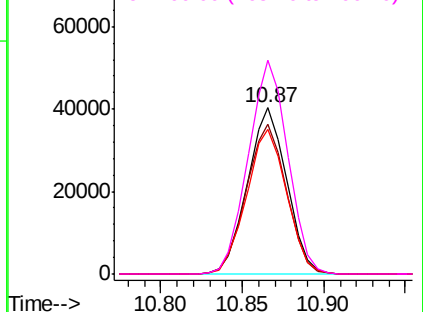
Abundance

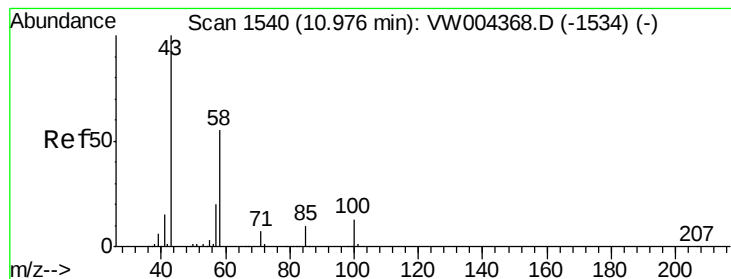
Ion 164.00 (163.70 to 164.70): V

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: 37.647 ug/L

RT: 10.98 min Scan# 1540

Delta R.T. -0.00 min

Lab File: VW004382.D

Acq: 01 Aug 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 69909

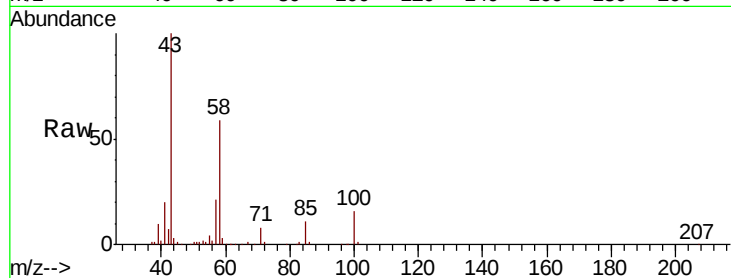
Ion Ratio Lower Upper

43 100

58 58.3 44.0 66.0

57 21.5 16.0 24.0

100 14.6 10.7 16.1



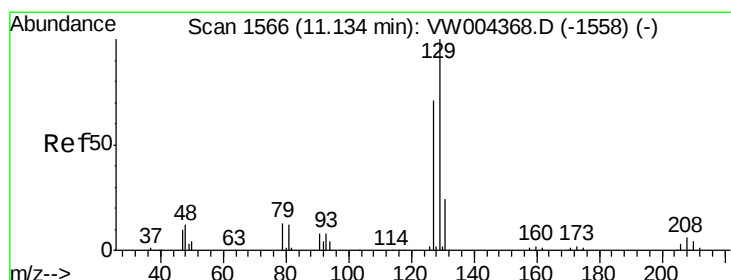
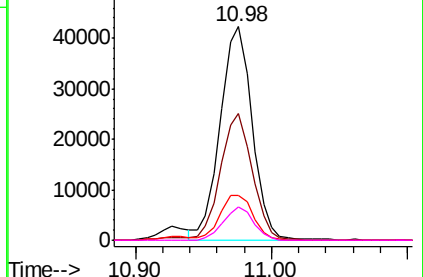
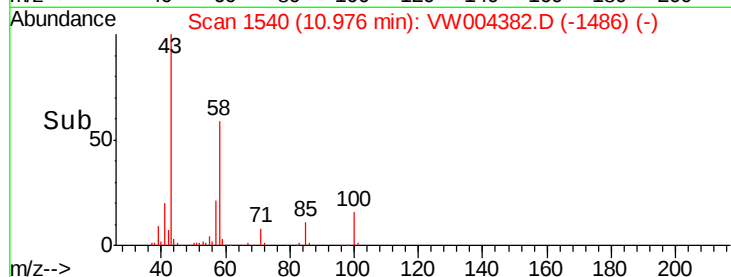
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW

Time-->



#50

Dibromochloromethane

Concen: 25.642 ug/L

RT: 11.13 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VW004382.D

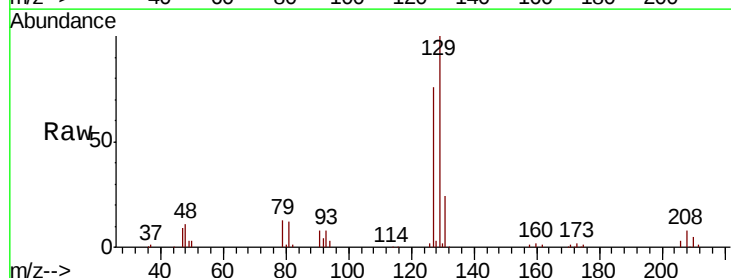
Acq: 01 Aug 2018 21:07

Tgt Ion: 129 Resp: 79502

Ion Ratio Lower Upper

129 100

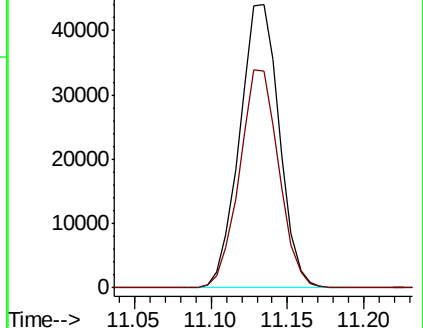
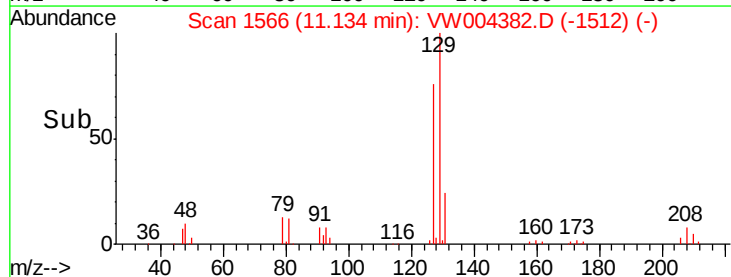
127 76.4 55.6 103.2

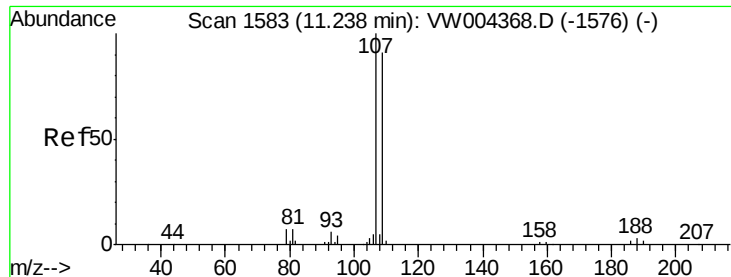


Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

Time-->

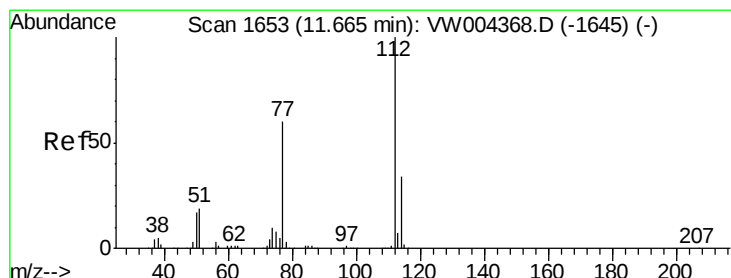
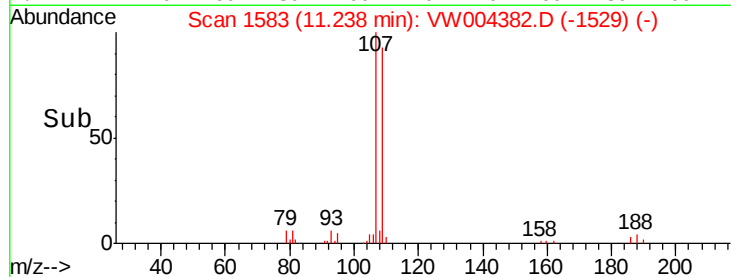
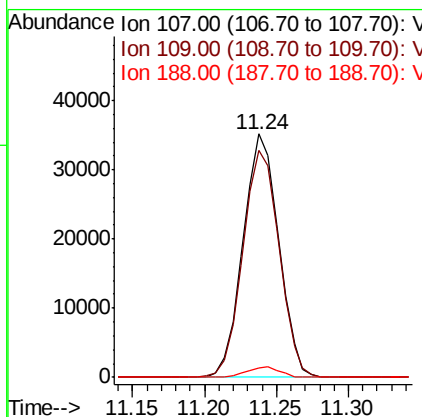
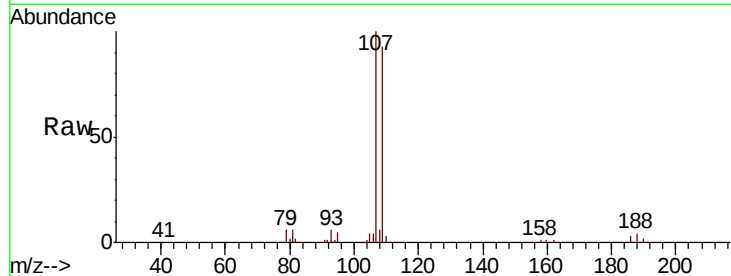




#51
 1,2-Dibromoethane
 Concen: 23.893 ug/L
 RT: 11.24 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VW004382.D
 Acq: 01 Aug 2018 21:07

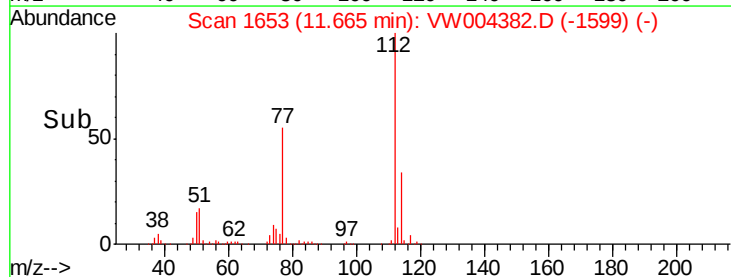
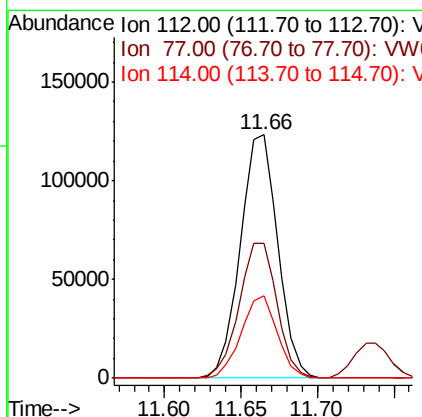
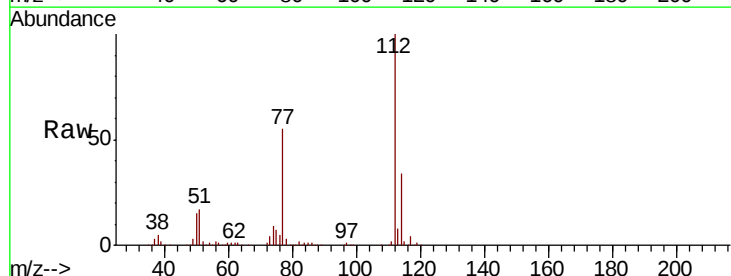
Instrument :
 MSVOA_W
 ClientSampleId :

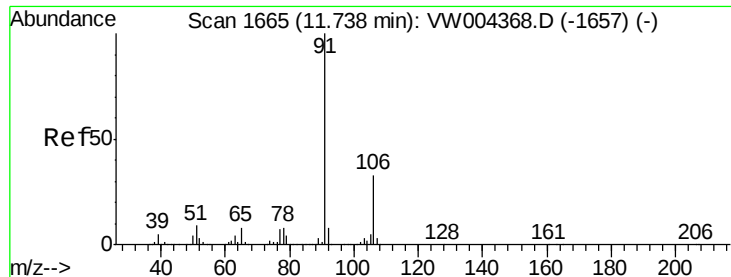
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	65.1	120.9
188	3.9	3.2	4.8



#52
 Chlorobenzene
 Concen: 23.835 ug/L
 RT: 11.66 min Scan# 1653
 Delta R.T. -0.00 min
 Lab File: VW004382.D
 Acq: 01 Aug 2018 21:07

Tgt Ion	Ratio	Lower	Upper
112	100		
77	55.2	42.9	64.3
114	33.7	22.0	41.0

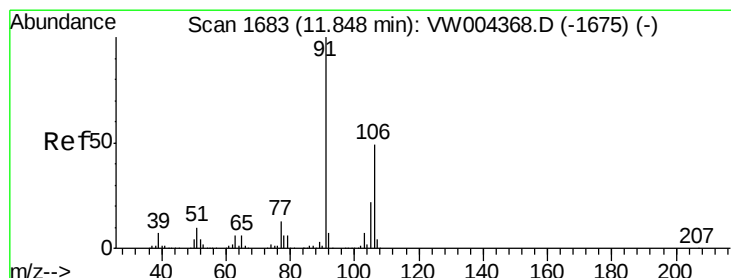
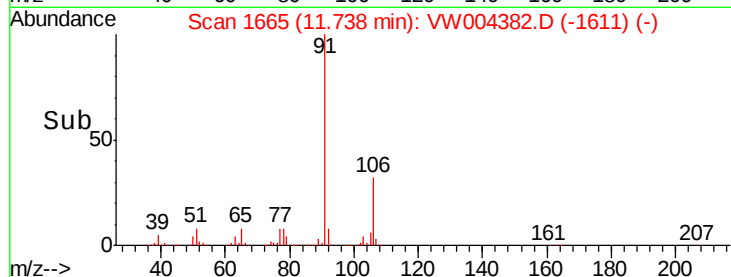
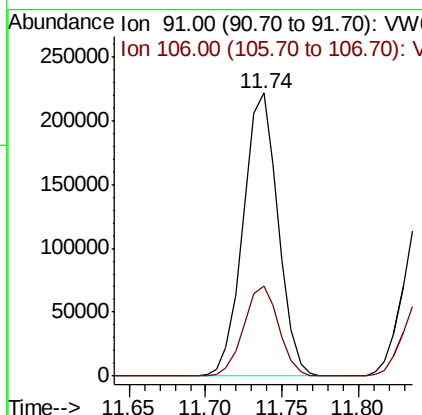
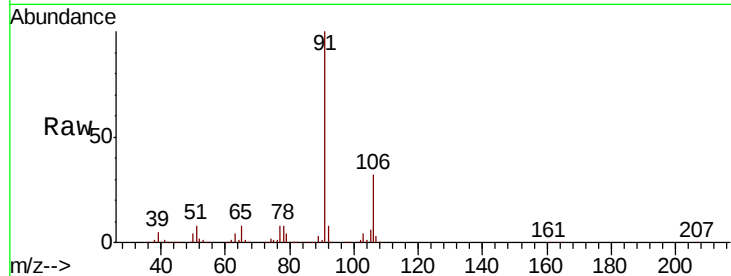




#53
Ethylbenzene
Concen: 23.420 ug/L
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW004382.D
Acq: 01 Aug 2018 21:07

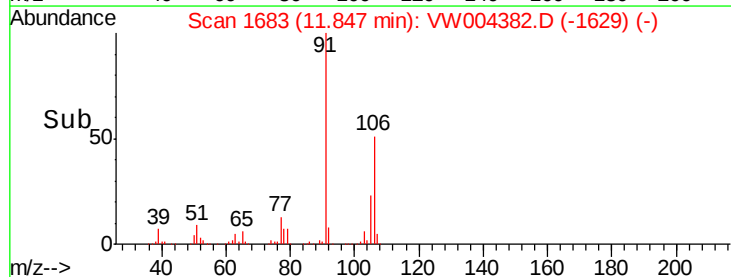
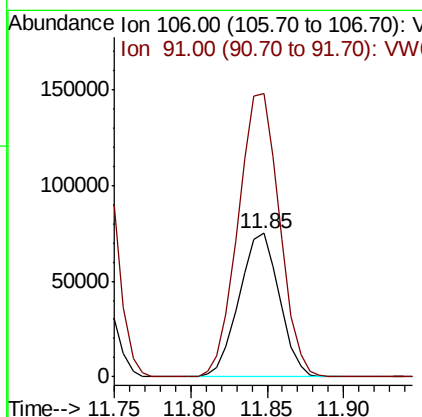
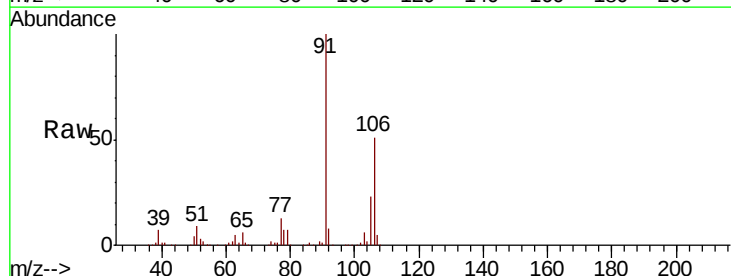
Instrument :
MSVOA_W
ClientSampleId :

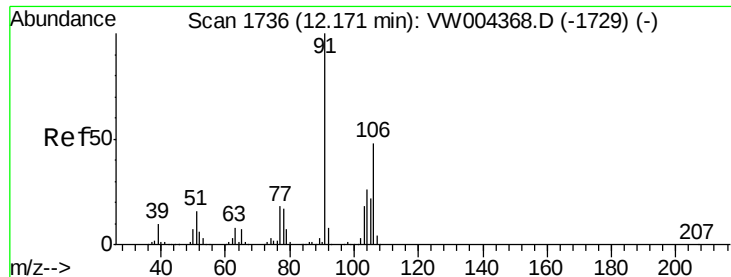
Tot Ion: 91 Resp: 350539
Ion Ratio Lower Upper
91 100
106 32.0 20.7 38.5



#54
m,p-Xylene
Concen: 24.215 ug/L
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW004382.D
Acq: 01 Aug 2018 21:07

Tgt Ion: 106 Resp: 137099
Ion Ratio Lower Upper
106 100
91 197.5 139.2 258.6





#55

o-xylene

Concen: 24.709 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VW004382.D

Acq: 01 Aug 2018 21:07

Instrument :

MSVOA_W

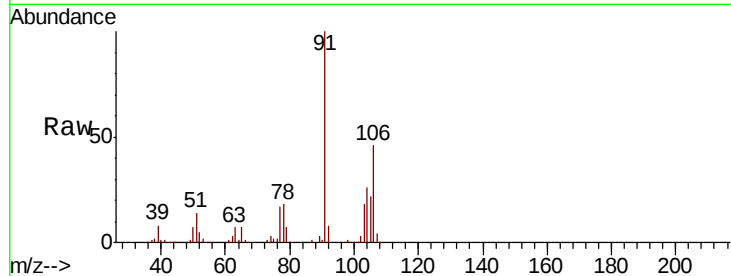
ClientSampled :

Tot Ion:106 Resp: 132130

Ion Ratio Lower Upper

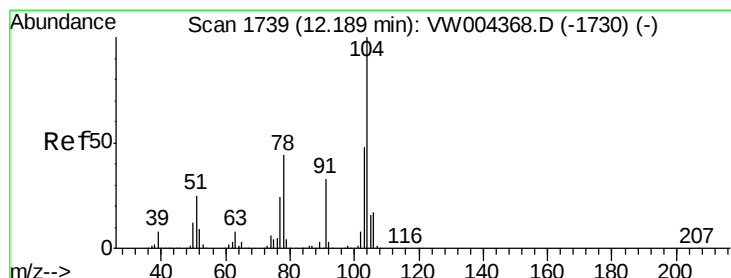
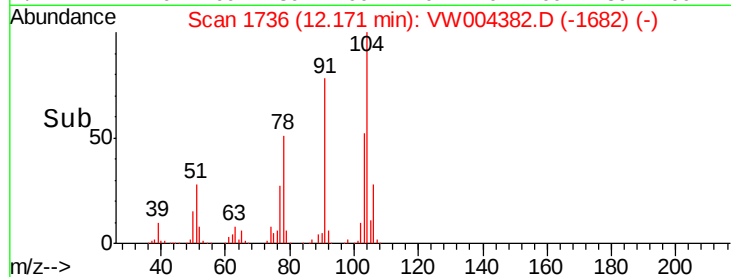
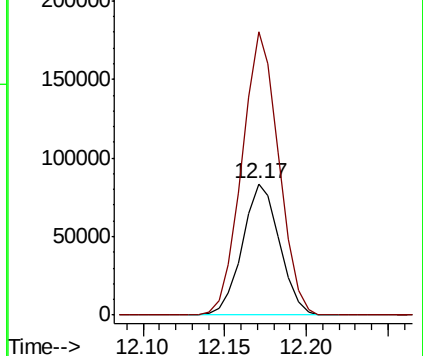
106 100

91 215.1 143.4 266.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 25.561 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VW004382.D

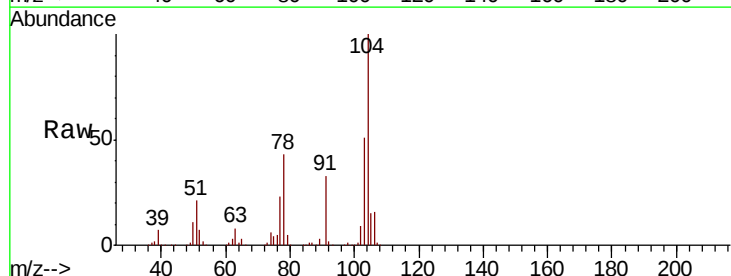
Acq: 01 Aug 2018 21:07

Tgt Ion:104 Resp: 236608

Ion Ratio Lower Upper

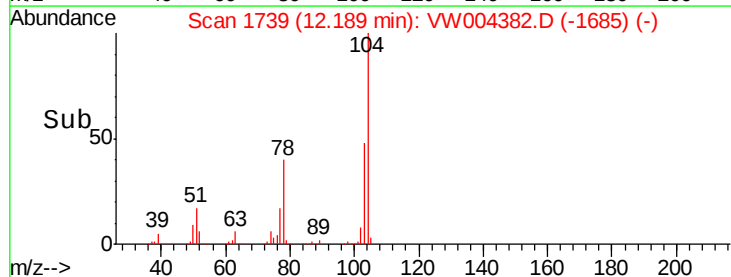
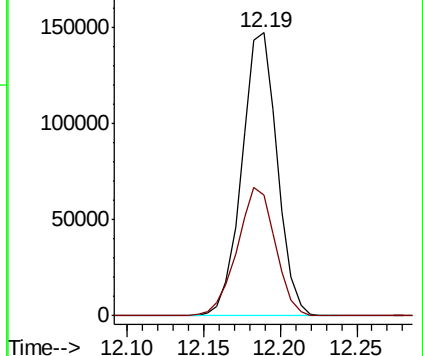
104 100

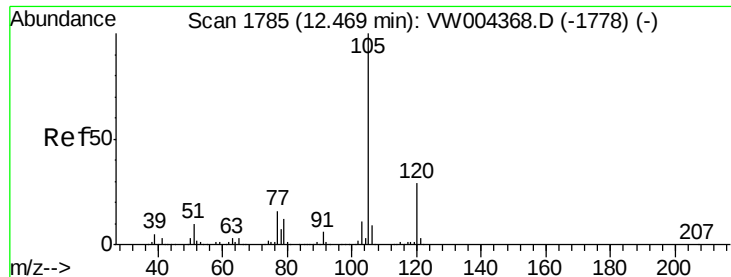
78 42.8 31.7 58.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 24.506 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004382.D

Acq: 01 Aug 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

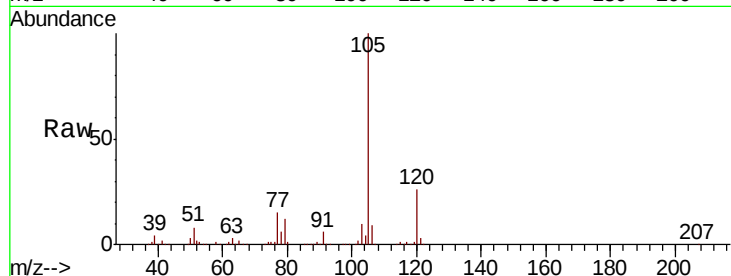
Tot Ion:105 Resp: 367415

Ion Ratio Lower Upper

105 100

120 26.4 21.8 32.8

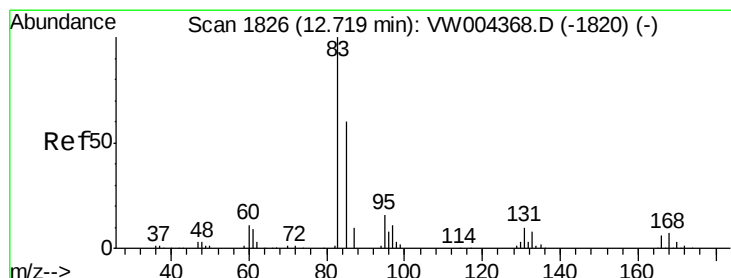
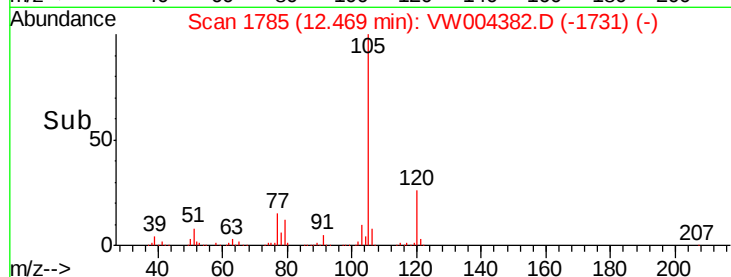
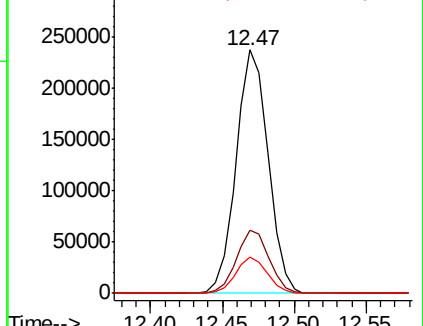
77 14.8 11.8 17.8



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: 21.911 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004382.D

Acq: 01 Aug 2018 21:07

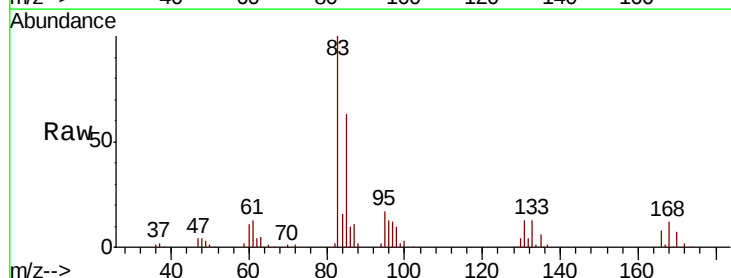
Tgt Ion: 83 Resp: 76560

Ion Ratio Lower Upper

83 100

85 63.0 44.3 82.3

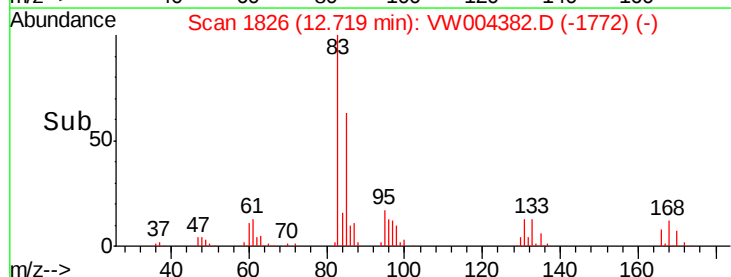
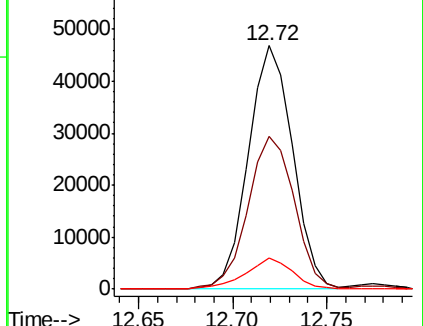
131 12.9 9.1 13.7

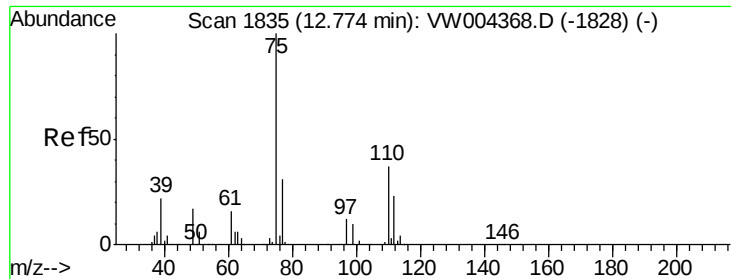


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 21.601 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW004382.D

Acq: 01 Aug 2018 21:07

Instrument :

MSVOA_W

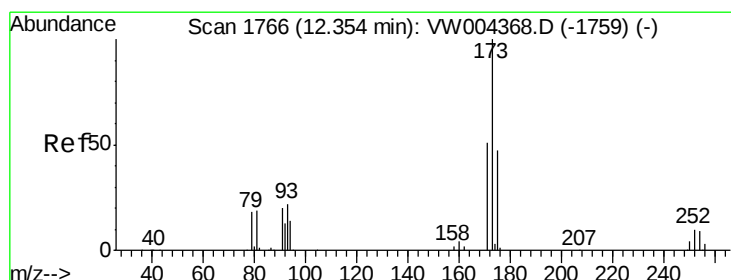
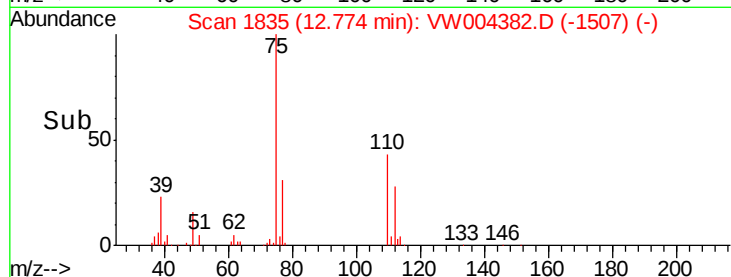
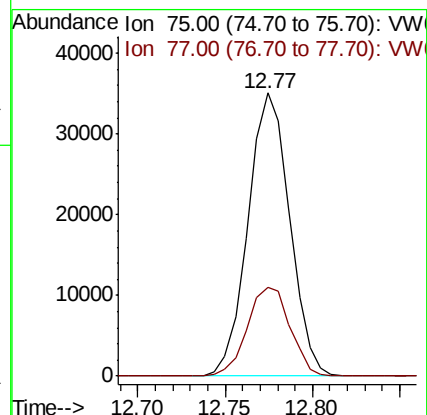
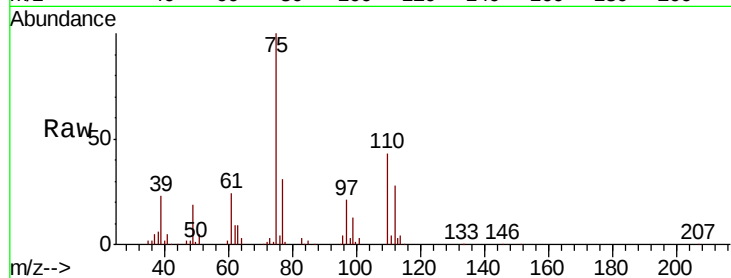
ClientSampleId :

Tot Ion: 75 Resp: 58112

Ion Ratio Lower Upper

75 100

77 32.1 26.6 40.0



#62

Bromoform

Concen: 24.470 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004382.D

Acq: 01 Aug 2018 21:07

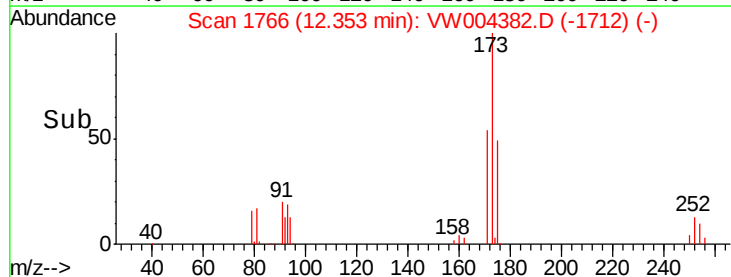
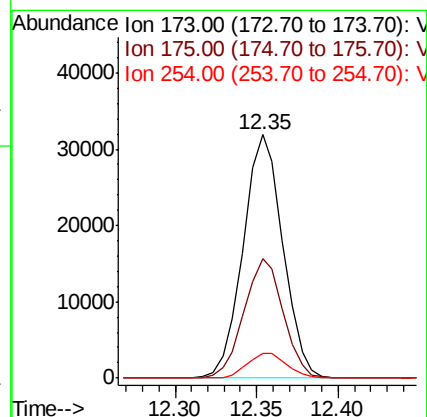
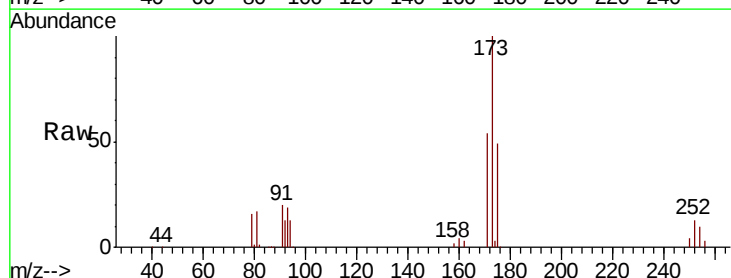
Tgt Ion: 173 Resp: 54062

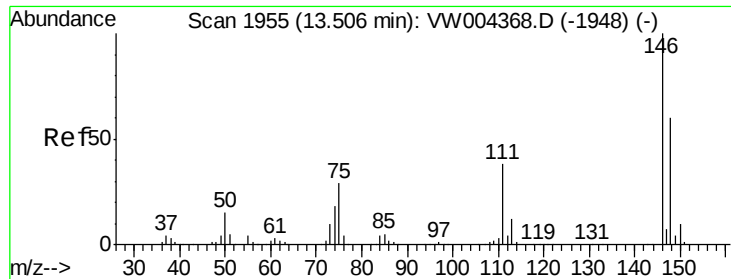
Ion Ratio Lower Upper

173 100

175 48.8 39.8 59.8

254 10.0 8.6 12.8





#63

1,3-Dichlorobenzene

Concen: 23.924 ug/L

RT: 13.51 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW004382.D

Acq: 01 Aug 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

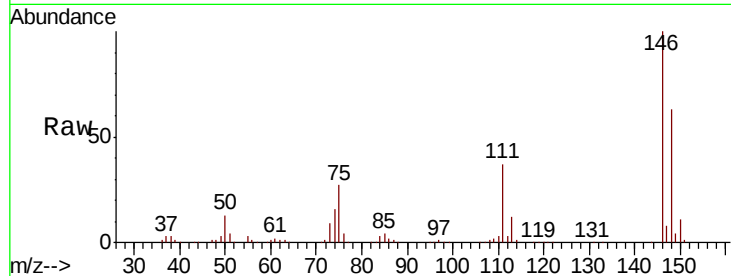
Tot Ion:146 Resp: 182758

Ion Ratio Lower Upper

146 100

111 37.2 28.6 53.2

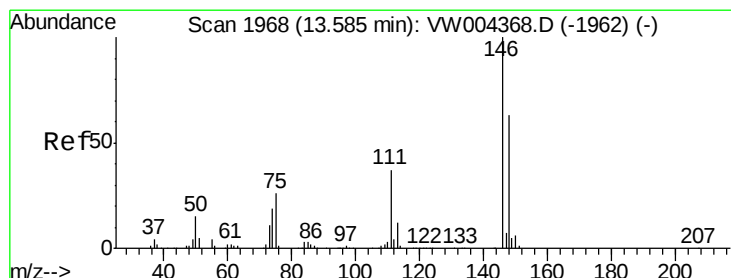
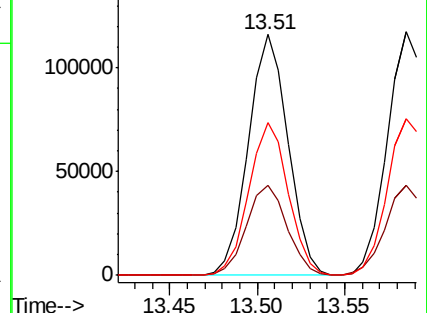
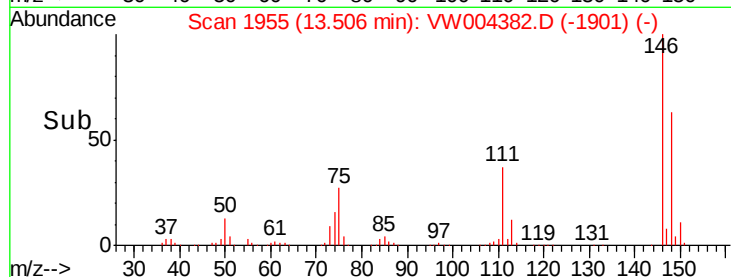
148 63.3 47.7 88.5



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: 23.869 ug/L

RT: 13.58 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VW004382.D

Acq: 01 Aug 2018 21:07

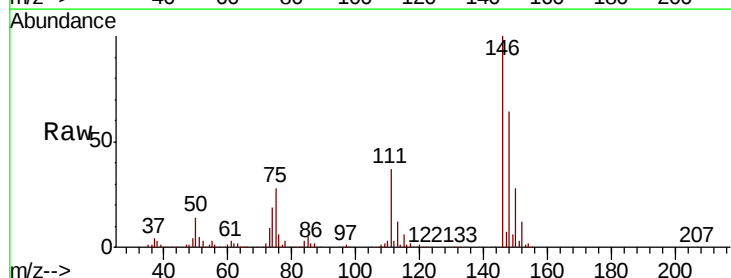
Tgt Ion:146 Resp: 187599

Ion Ratio Lower Upper

146 100

111 37.1 25.4 47.2

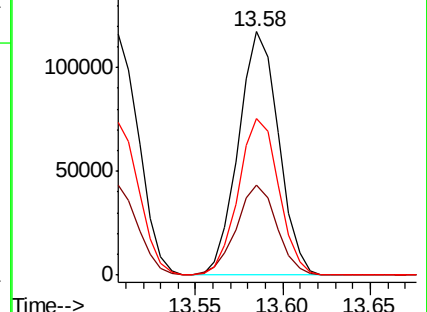
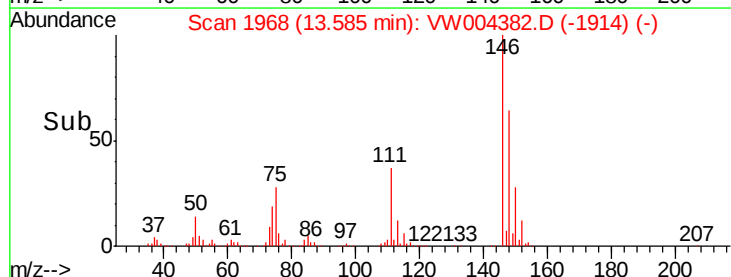
148 64.3 42.8 79.6

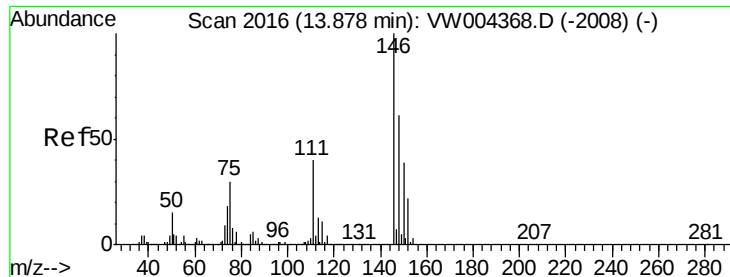


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 24.444 ug/L

RT: 13.88 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VW004382.D

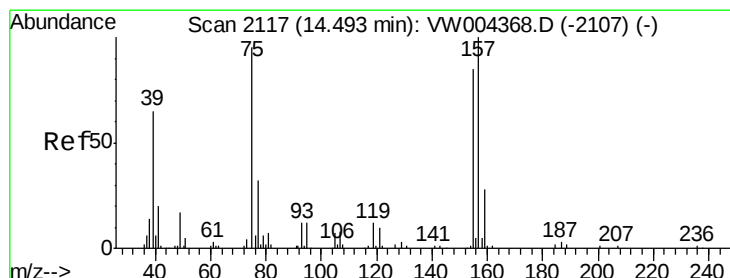
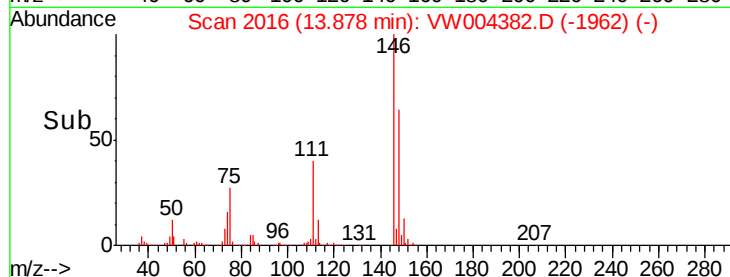
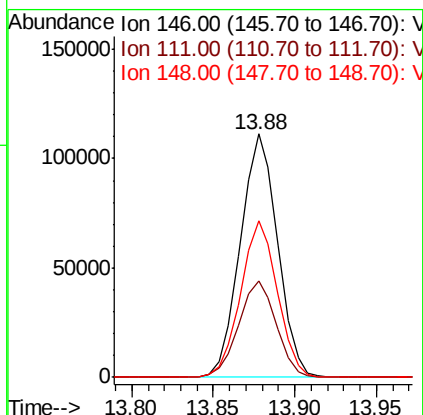
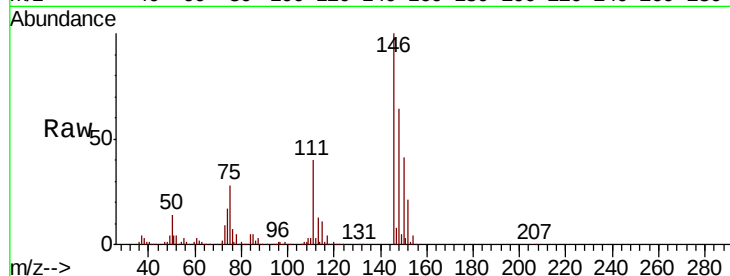
Acq: 01 Aug 2018 21:07

Instrument :

MSVOA_W

ClientSampled :

Tot Ion:	146	Resp:	176534
Ion	Ratio	Lower	Upper
146	100		
111	39.8	30.2	45.4
148	64.3	51.0	76.4



#66

1,2-Dibromo-3-chloropropane

Concen: 21.446 ug/L

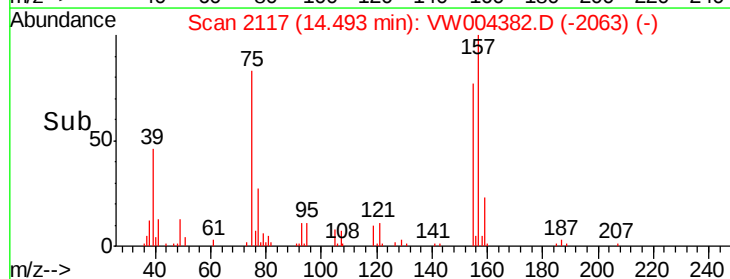
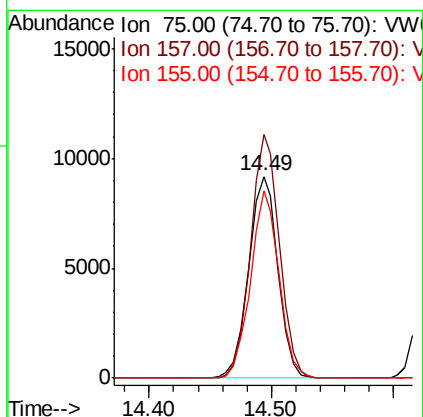
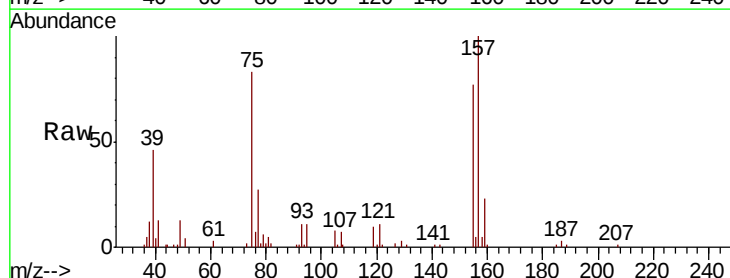
RT: 14.49 min Scan# 2117

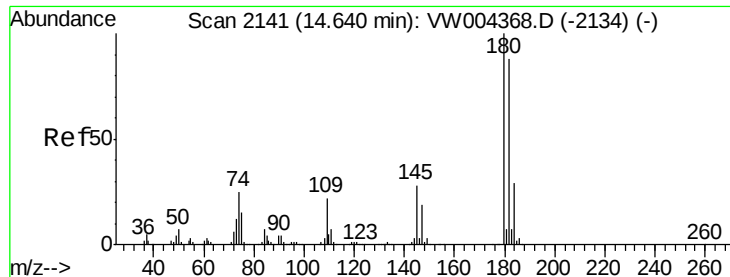
Delta R.T. -0.00 min

Lab File: VW004382.D

Acq: 01 Aug 2018 21:07

Tgt Ion:	75	Resp:	15261
Ion	Ratio	Lower	Upper
75	100		
157	120.8	88.6	132.8
155	93.1	71.8	107.6

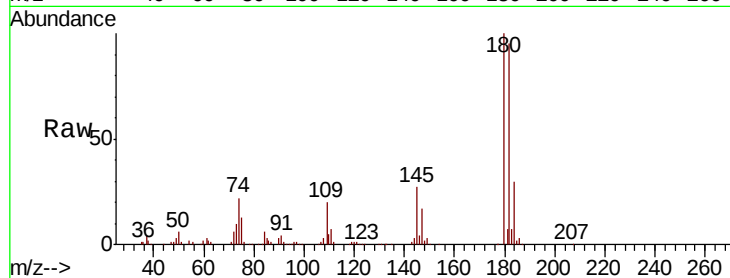




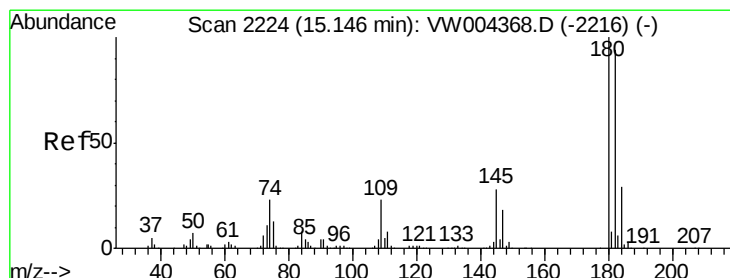
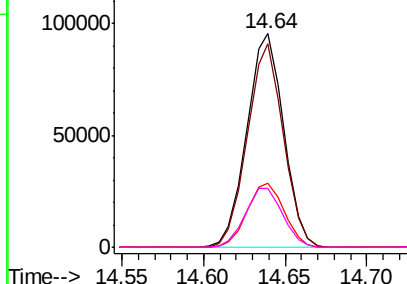
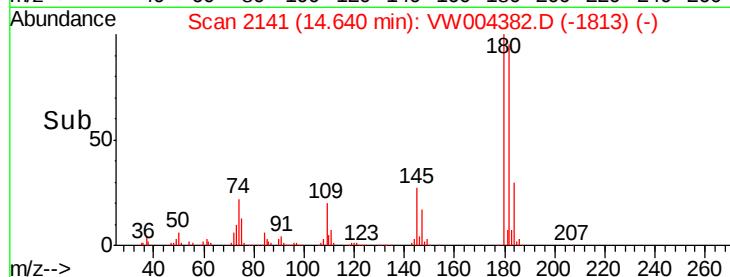
#67
 1,3,5-Trichlorobenzene
 Concen: 24.738 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VW004382.D
 Acq: 01 Aug 2018 21:07

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:180	Resp:	149826
Ion Ratio	Lower	Upper
180	100	
182	93.2	77.7 116.5
184	30.3	24.6 37.0
145	28.4	23.6 35.4

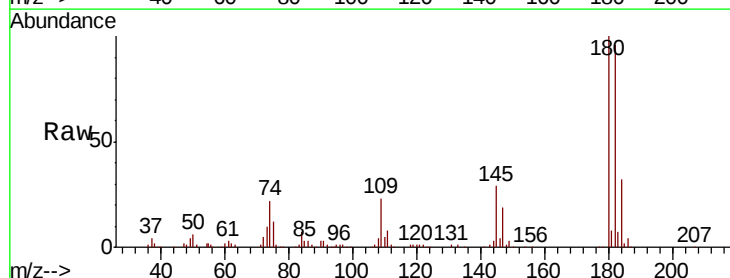


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

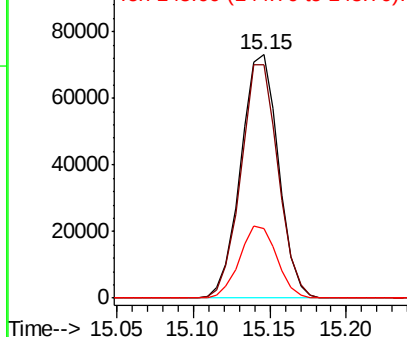
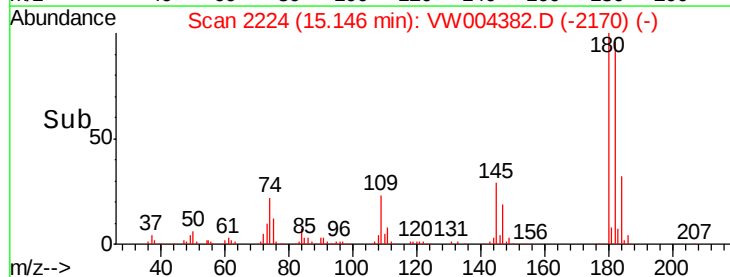


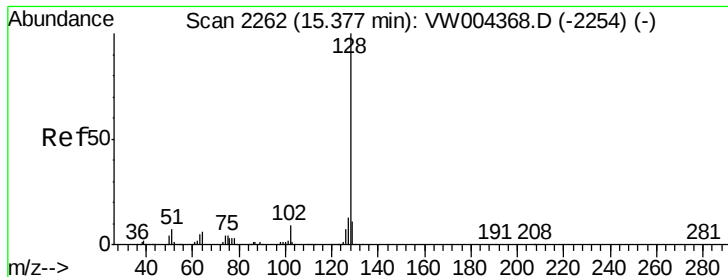
#68
 1,2,4-trichlorobenzene
 Concen: 24.316 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW004382.D
 Acq: 01 Aug 2018 21:07

Tgt Ion:180	Resp:	125069
Ion Ratio	Lower	Upper
180	100	
182	95.0	75.5 113.3
145	29.4	24.2 36.2



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: 23.028 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW004382.D

Acq: 01 Aug 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

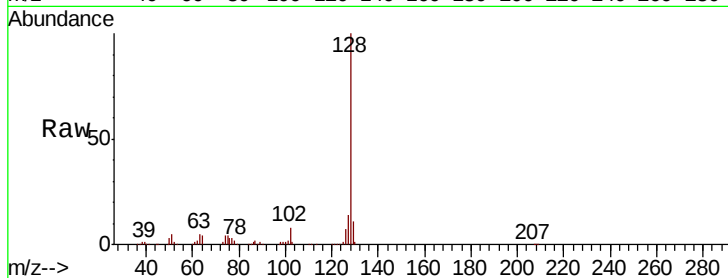
Tot Ion:128 Resp: 267683

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

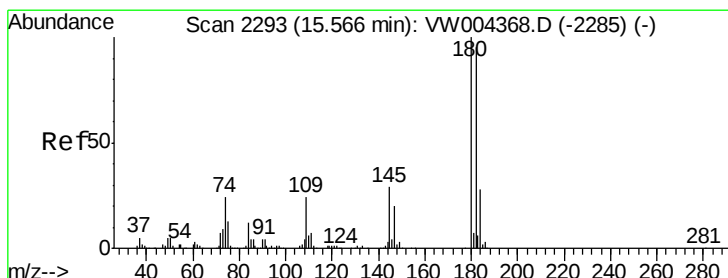
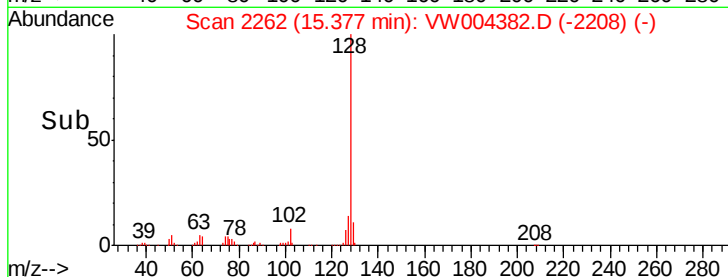
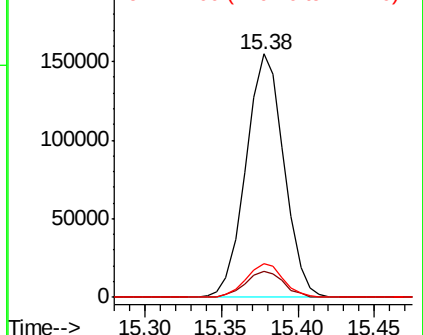
127 13.6 10.4 15.6



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: 24.967 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW004382.D

Acq: 01 Aug 2018 21:07

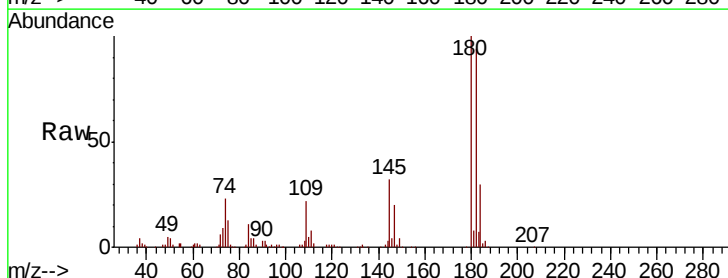
Tgt Ion:180 Resp: 118827

Ion Ratio Lower Upper

180 100

182 95.0 77.0 115.4

145 31.3 25.4 38.0



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

