

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080118\
 Data File : VW004368.D
 Acq On : 01 Aug 2018 10:14
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB90

Quant Time: Aug 02 03:54:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073118S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 02 03:53:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	305512	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	286404	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	156573	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	61878	25.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.96%
7) Chloroethane-d5	2.89	69	53481	22.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.96%
10) 1,1-Dichloroethene-d2	4.01	63	173750	25.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.12%
20) 2-Butanone-d5	7.09	46	90345	61.21	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	122.42%
24) Chloroform-d	7.65	84	183676	24.32	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.28%
26) 1,2-Dichloroethane-d4	8.31	65	107191	25.34	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.36%
29) Benzene-d6	8.27	84	357173	24.15	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.60%
33) 1,2-Dichloropropane-d6	9.27	67	110729	24.17	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.68%
37) Toluene-d8	10.33	98	344030	24.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.36%
38) trans-1,3-Dichloropropene-	10.58	79	54774	24.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.96%
39) 2-Hexanone-d5	10.93	63	73426	62.41	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	124.82%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	132662	27.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.88%
61) 1,2-Dichlorobenzene-d4	13.87	152	138688	23.18	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.72%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	57782	20.713	ug/L	98
3) Chloromethane	2.22	50	54954	20.758	ug/L	97
5) Vinyl chloride	2.37	62	85607	26.195	ug/L	99
6) Bromomethane	2.78	94	57083	24.389	ug/L	98
8) Chloroethane	2.93	64	55067	23.963	ug/L	96
9) Trichlorofluoromethane	3.25	101	57258	20.898	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	100804	24.958	ug/L	92
12) 1,1-Dichloroethene	4.04	96	97595	25.731	ug/L	85
13) Acetone	4.14	43	77501	60.019	ug/L	100
14) Carbon disulfide	4.37	76	286744	25.559	ug/L	99
15) Methyl Acetate	4.67	43	73112	28.398	ug/L	94
16) Methylene chloride	4.91	84	103354	21.404	ug/L	94
17) Methyl tert-butyl Ether	5.43	73	140885	23.649	ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	97409	23.661	ug/L	92
19) 1,1-Dichloroethane	6.21	63	176557	24.668	ug/L	97
21) 2-Butanone	7.18	43	101562	57.710	ug/L	96
22) cis-1,2-Dichloroethene	7.17	96	107080	23.599	ug/L	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080118\
 Data File : VW004368.D
 Acq On : 01 Aug 2018 10:14
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB90

Quant Time: Aug 02 03:54:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073118S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 02 03:53:39 2018
 Response via : Initial Calibration

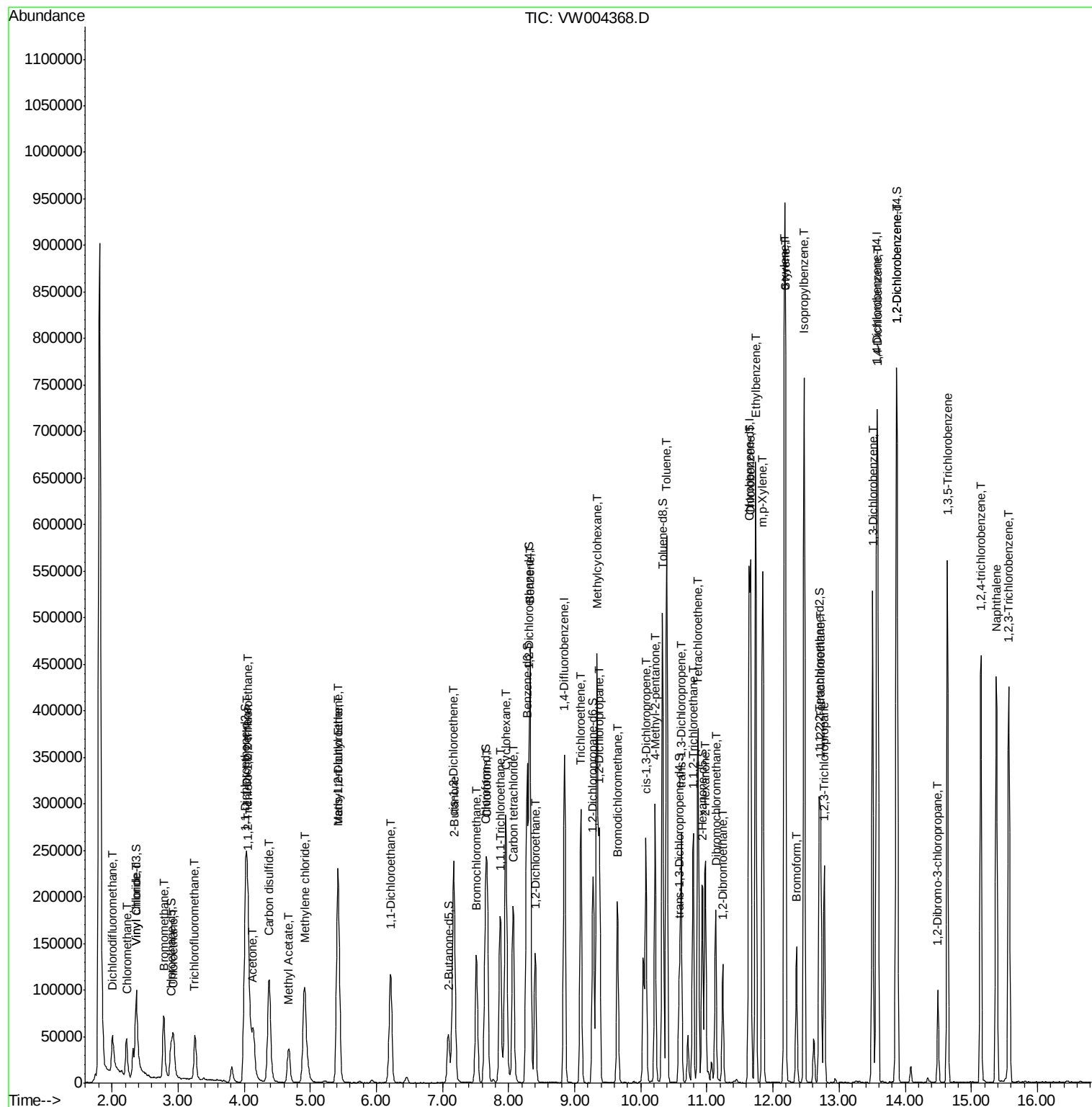
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	52156	24.473	ug/L	88
25) Chloroform	7.68	83	182667	24.258	ug/L	100
27) 1,2-Dichloroethane	8.40	62	126568	24.884	ug/L	99
30) Cyclohexane	7.96	56	167810	24.810	ug/L	93
31) 1,1,1-Trichloroethane	7.87	97	154447	24.610	ug/L	99
32) Carbon tetrachloride	8.07	117	150783	24.669	ug/L	99
34) Benzene	8.32	78	401022	24.154	ug/L	100
35) Trichloroethene	9.09	95	104334	23.476	ug/L	99
36) Methylcyclohexane	9.34	83	190948	24.087	ug/L	97
40) 1,2-Dichloropropane	9.37	63	102684	24.655	ug/L	100
41) Bromodichloromethane	9.65	83	129921	24.111	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	157655	24.133	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	193519	57.395	ug/L	98
44) Toluene	10.39	91	430304	24.101	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	146543	24.986	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	85385	24.861	ug/L	96
47) Tetrachloroethene	10.87	164	91771	24.048	ug/L	99
49) 2-Hexanone	10.98	43	153894	61.412	ug/L	97
50) Dibromochloromethane	11.13	129	103121	24.647	ug/L	91
51) 1,2-Dibromoethane	11.24	107	87374	25.669	ug/L	98
52) Chlorobenzene	11.66	112	271953	22.883	ug/L	93
53) Ethylbenzene	11.74	91	466474	23.095	ug/L	94
54) m,p-Xylene	11.85	106	182847	23.932	ug/L	97
55) o-xylene	12.17	106	173424	24.032	ug/L	97
56) Styrene	12.19	104	309497	24.776	ug/L	98
57) Isopropylbenzene	12.47	105	482770	23.861	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	125331	26.580	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	99090	27.294	ug/L	98
62) Bromoform	12.35	173	71134	24.355	ug/L	96
63) 1,3-Dichlorobenzene	13.51	146	230320	22.806	ug/L	92
64) 1,4-Dichlorobenzene	13.59	146	240903	23.185	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	223682	23.428	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	24822	26.385	ug/L	97
67) 1,3,5-Trichlorobenzene	14.64	180	184068	22.989	ug/L	97
68) 1,2,4-trichlorobenzene	15.15	180	155769	22.908	ug/L	99
69) Naphthalene	15.38	128	380052	24.731	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	153018	24.320	ug/L	99

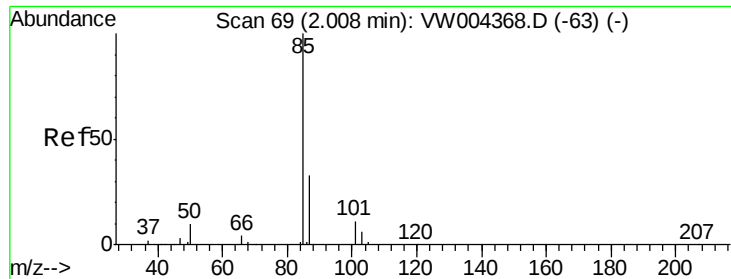
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080118\
Data File : VW004368.D
Acq On : 01 Aug 2018 10:14
Operator : SY/AP
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB90

Quant Time: Aug 02 03:54:18 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073118S.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 02 03:53:39 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 20.713 ug/L

RT: 2.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VW004368.D

Acq: 01 Aug 2018 10:14

Instrument :

MSVOA_W

ClientSampleId :

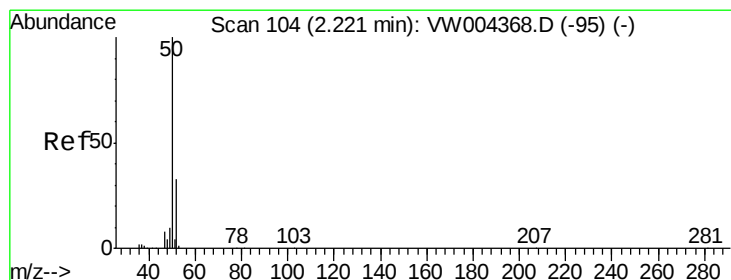
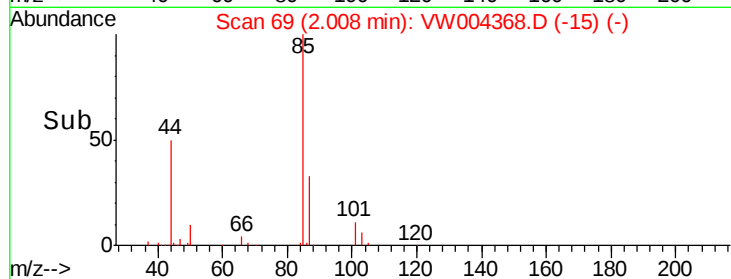
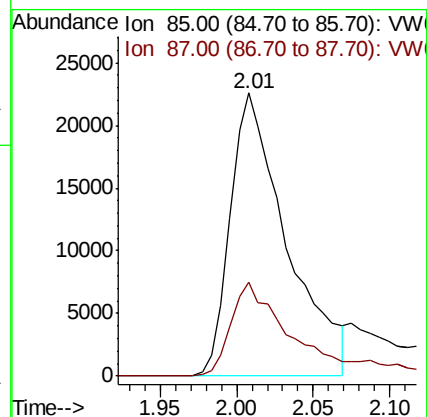
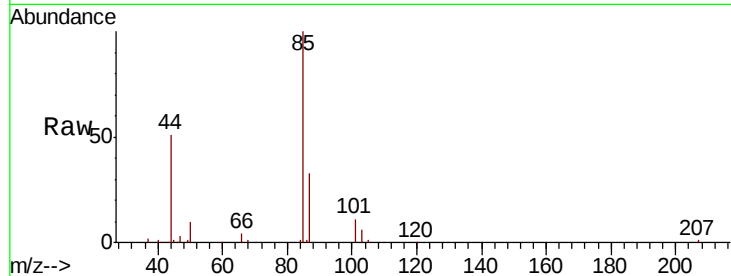
BFB90

Tot Ion: 85 Resp: 57782

Ion Ratio Lower Upper

85 100

87 32.9 22.1 41.1



#3

Chloromethane

Concen: 20.758 ug/L

RT: 2.22 min Scan# 104

Delta R.T. 0.00 min

Lab File: VW004368.D

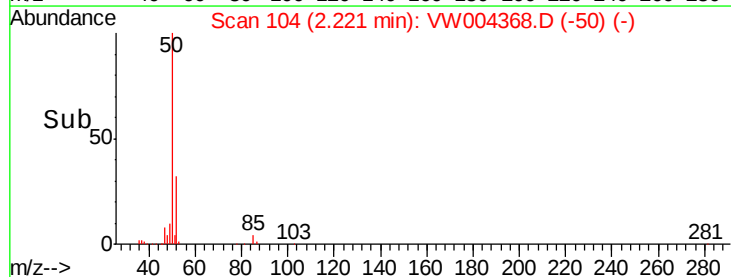
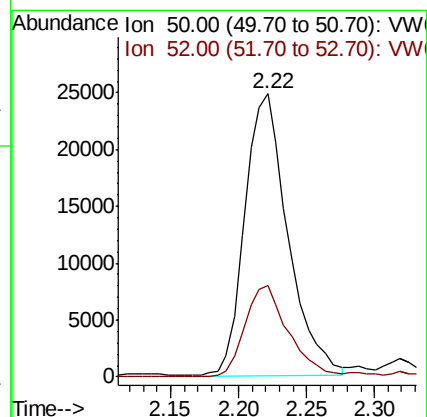
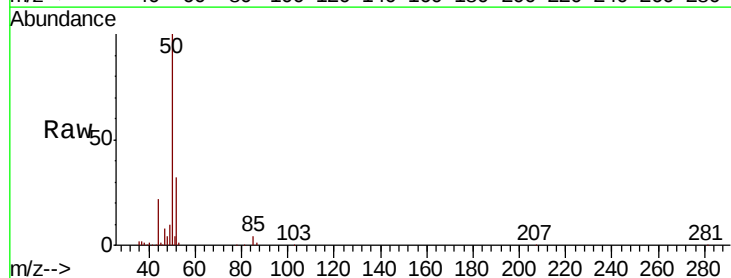
Acq: 01 Aug 2018 10:14

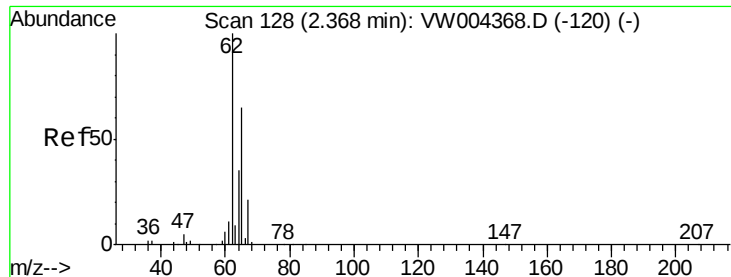
Tgt Ion: 50 Resp: 54954

Ion Ratio Lower Upper

50 100

52 32.3 21.6 40.0





#5

Vinyl chloride

Concen: 26.195 ug/L

RT: 2.37 min Scan# 128

Delta R.T. 0.00 min

Lab File: VW004368.D

Acq: 01 Aug 2018 10:14

Instrument :

MSVOA_W

ClientSampleId :

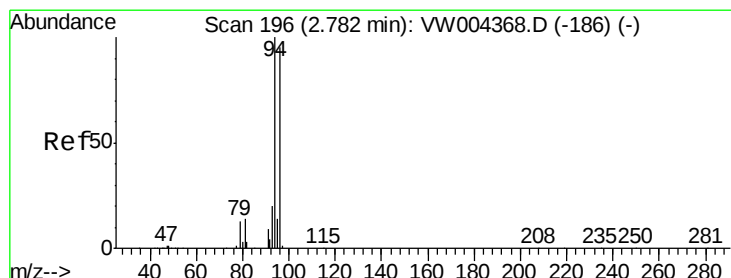
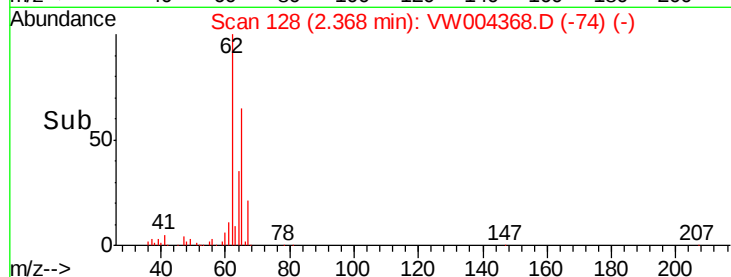
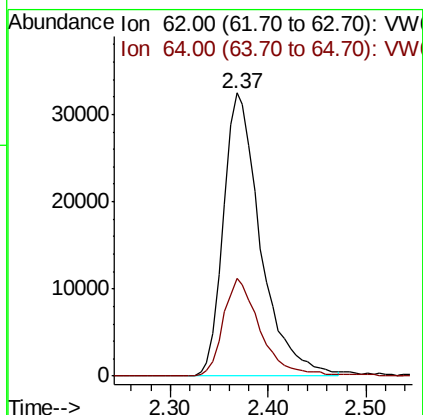
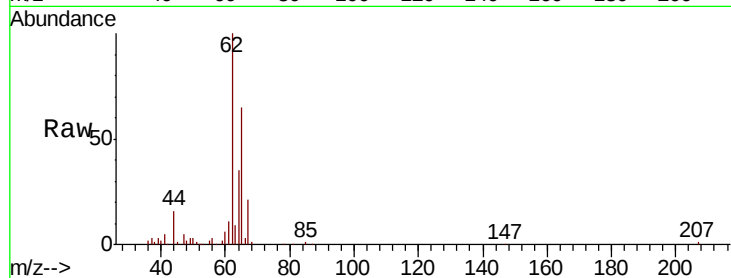
BFB90

Tot Ion: 62 Resp: 85607

Ion Ratio Lower Upper

62 100

64 34.5 23.9 44.5



#6

Bromomethane

Concen: 24.389 ug/L

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW004368.D

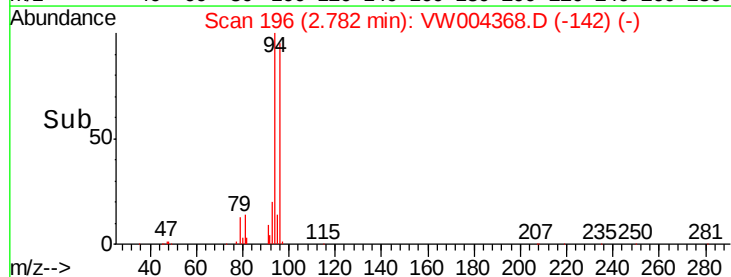
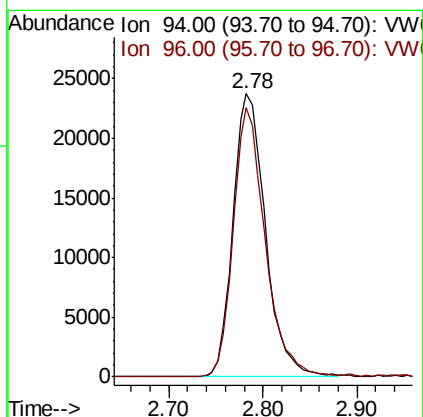
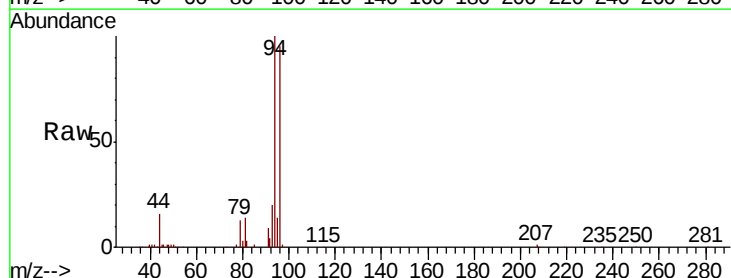
Acq: 01 Aug 2018 10:14

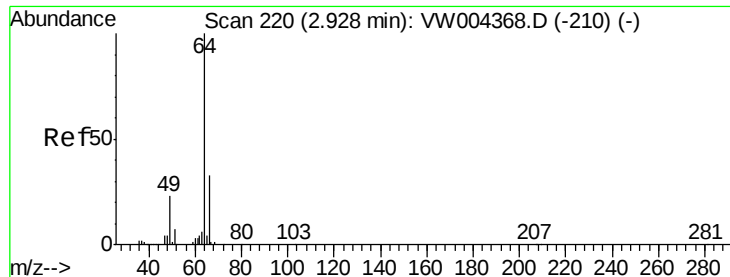
Tgt Ion: 94 Resp: 57083

Ion Ratio Lower Upper

94 100

96 93.6 9.5 181.1

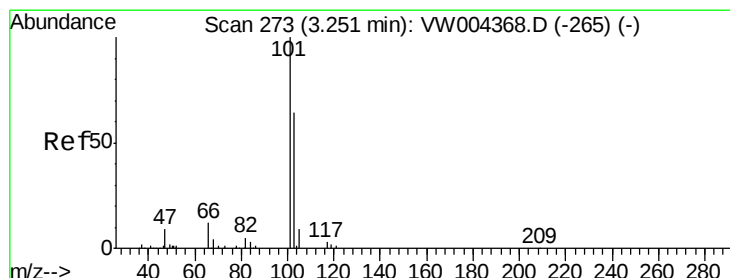
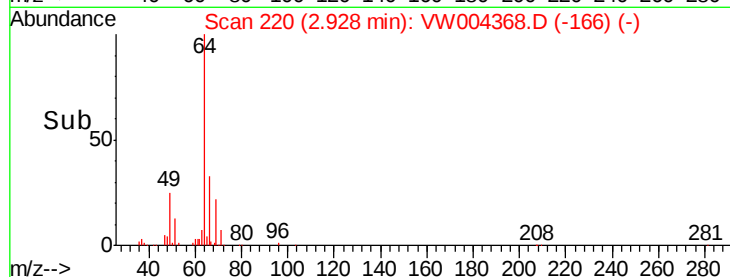
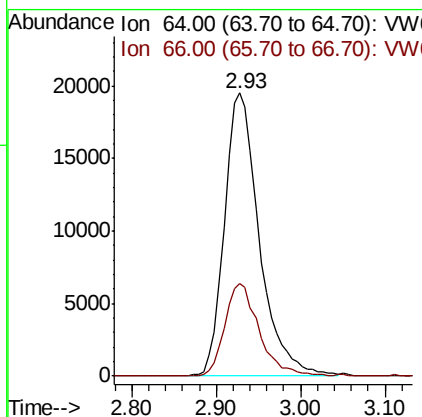
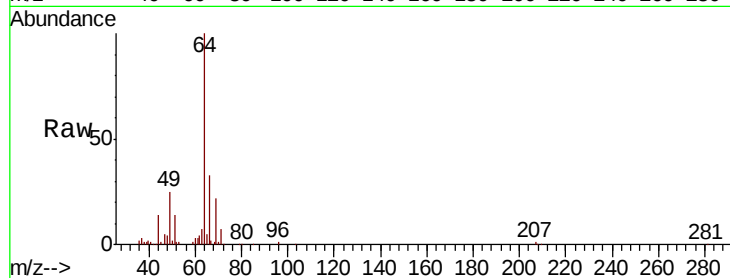




#8
Chloroethane
Concen: 23.963 ug/L
RT: 2.93 min Scan# 220
Delta R.T. 0.00 min
Lab File: VW004368.D
Acq: 01 Aug 2018 10:14

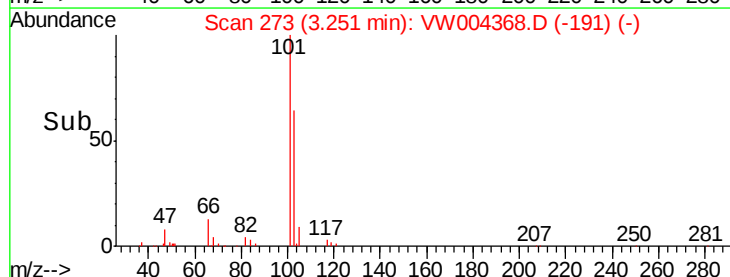
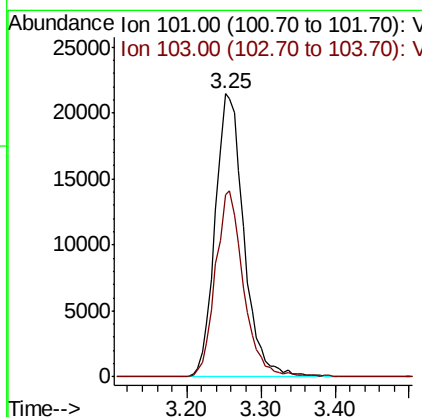
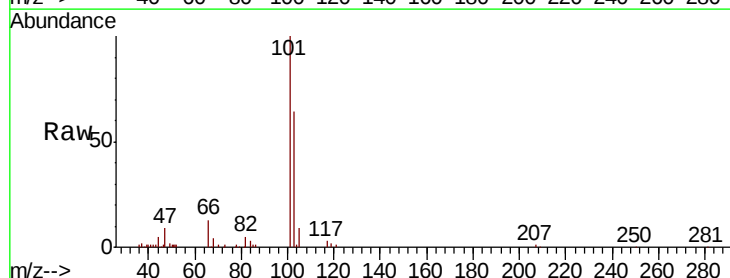
Instrument :
MSVOA_W
ClientSampleId :
BFB90

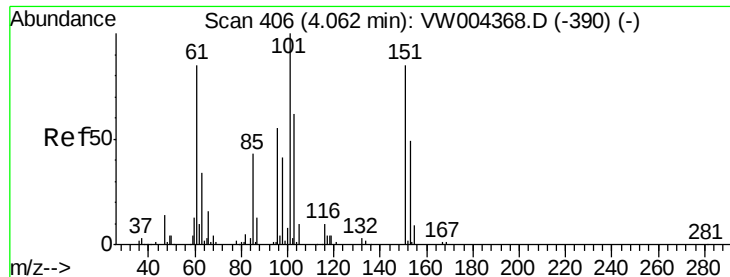
Tot Ion: 64 Resp: 55067
Ion Ratio Lower Upper
64 100
66 32.8 21.5 39.9



#9
Trichlorofluoromethane
Concen: 20.898 ug/L
RT: 3.25 min Scan# 273
Delta R.T. 0.00 min
Lab File: VW004368.D
Acq: 01 Aug 2018 10:14

Tgt Ion: 101 Resp: 57258
Ion Ratio Lower Upper
101 100
103 63.9 45.3 84.1





#11

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

Concen: 24.958 ug/L

RT: 4.06 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW004368.D

Acq: 01 Aug 2018 10:14

Instrument :

MSVOA_W

ClientSampleId :

BFB90

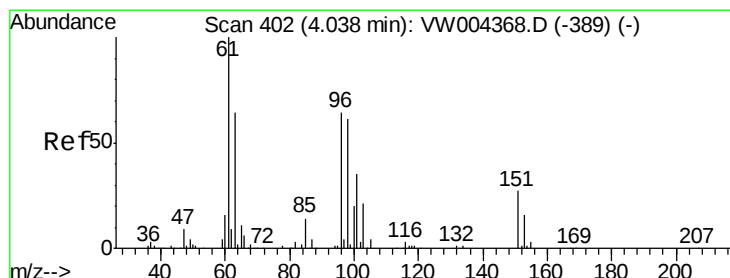
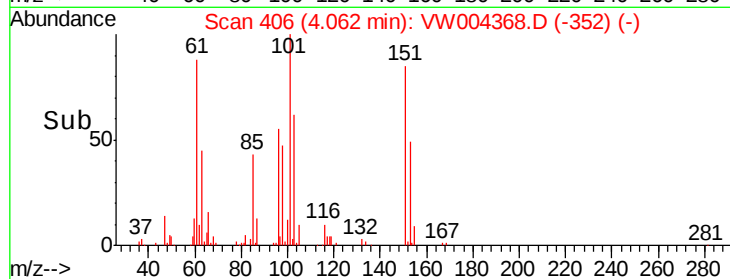
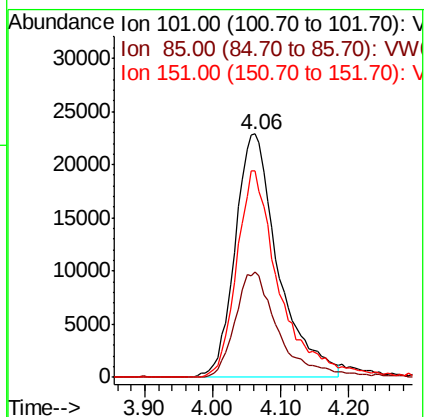
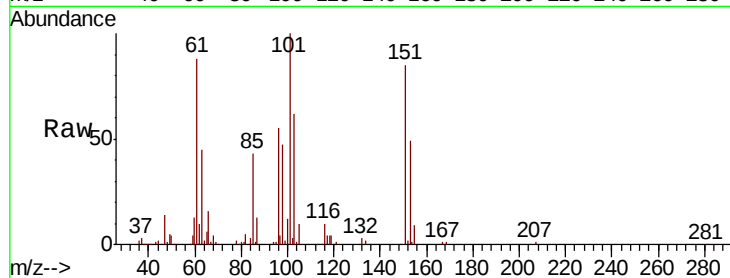
Tot Ion:101 Resp: 100804

Ion Ratio Lower Upper

101 100

85 42.3 32.4 48.6

151 77.4 69.2 103.8



#12

1,1-Dichloroethene

Concen: 25.731 ug/L

RT: 4.04 min Scan# 402

Delta R.T. 0.00 min

Lab File: VW004368.D

Acq: 01 Aug 2018 10:14

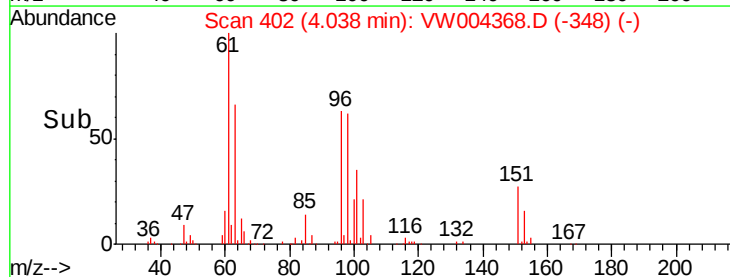
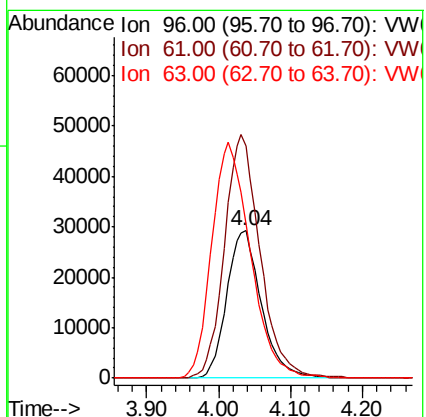
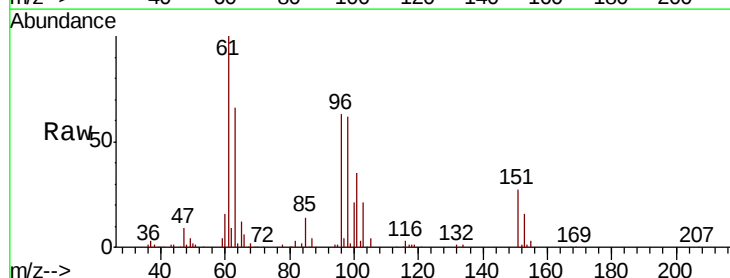
Tgt Ion: 96 Resp: 97595

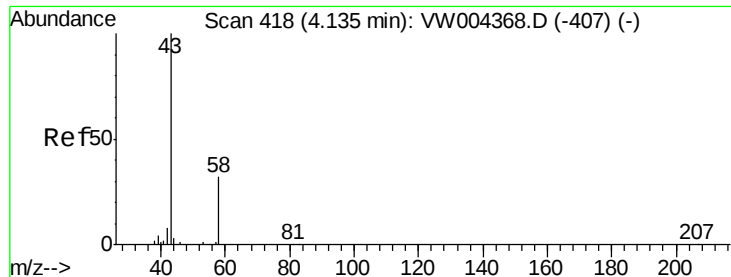
Ion Ratio Lower Upper

96 100

61 157.6 115.4 214.4

63 104.3 94.4 175.2





#13

Acetone

Concen: 60.019 ug/L

RT: 4.14 min Scan# 418

Delta R.T. 0.00 min

Lab File: VW004368.D

Acq: 01 Aug 2018 10:14

Instrument :

MSVOA_W

ClientSampled :

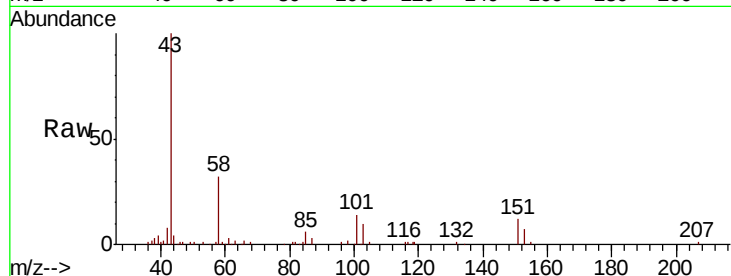
BFB90

Tot Ion: 43 Resp: 77501

Ion Ratio Lower Upper

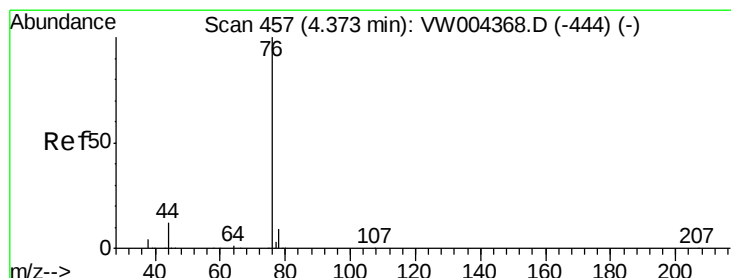
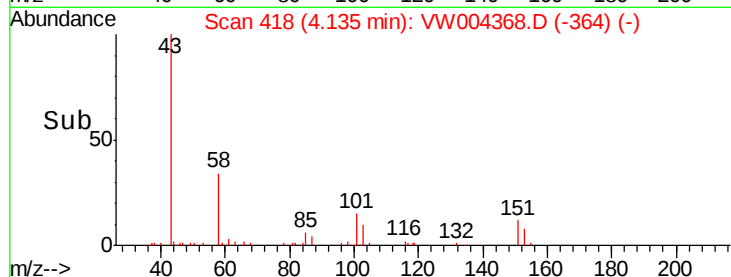
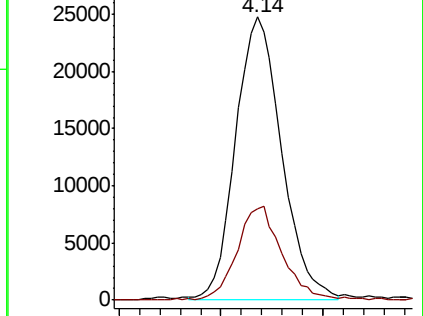
43 100

58 32.2 0.0 64.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 25.559 ug/L

RT: 4.37 min Scan# 457

Delta R.T. 0.00 min

Lab File: VW004368.D

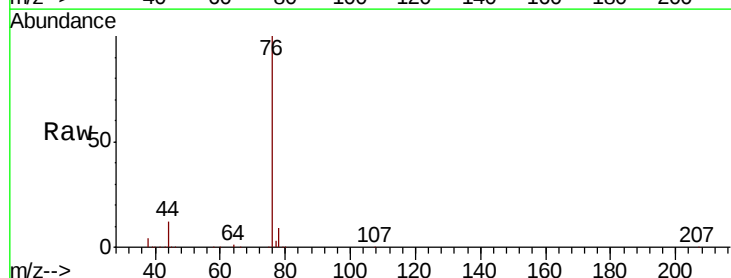
Acq: 01 Aug 2018 10:14

Tgt Ion: 76 Resp: 286744

Ion Ratio Lower Upper

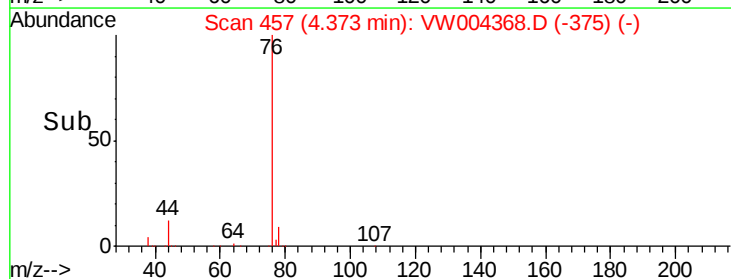
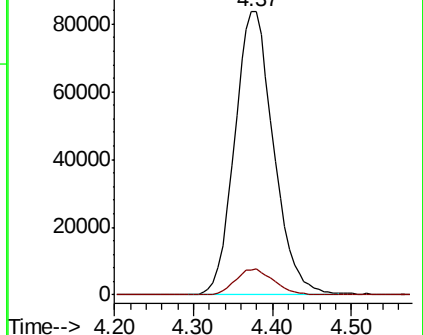
76 100

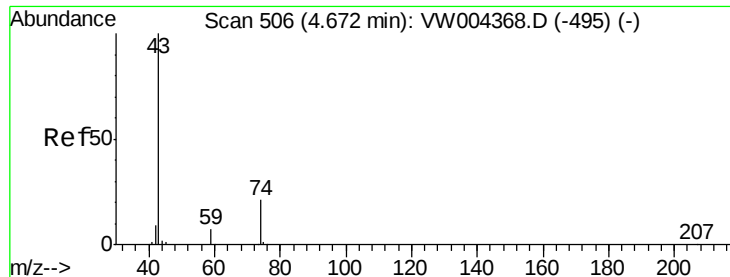
78 8.9 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

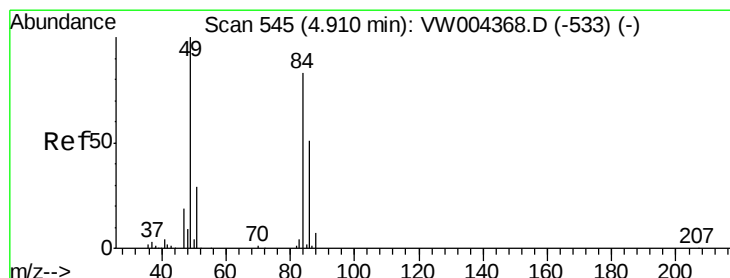
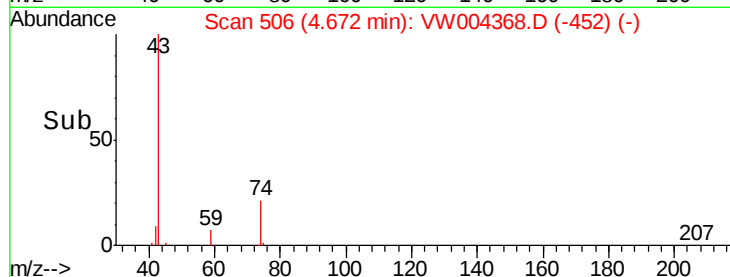
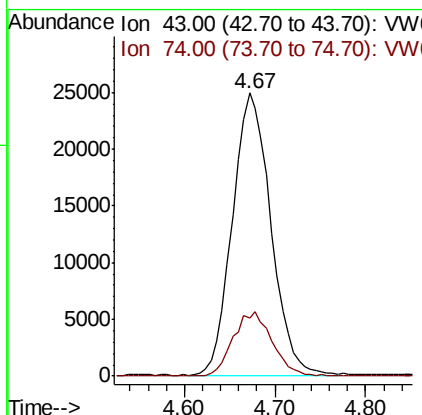
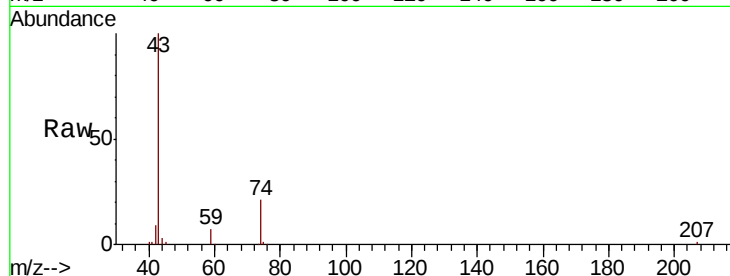




#15
Methyl Acetate
Concen: 28.398 ug/L
RT: 4.67 min Scan# 506
Delta R.T. 0.00 min
Lab File: VW004368.D
Acq: 01 Aug 2018 10:14

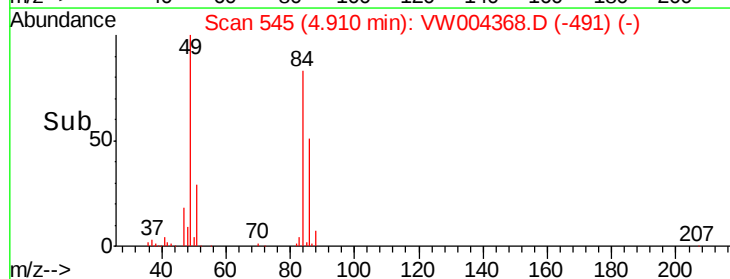
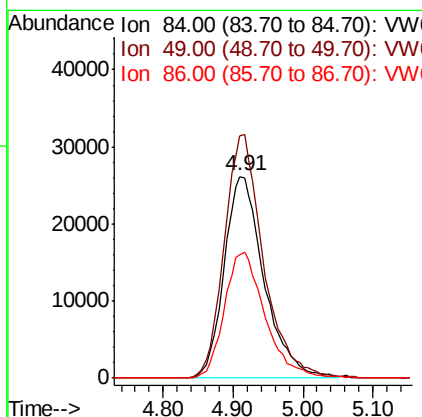
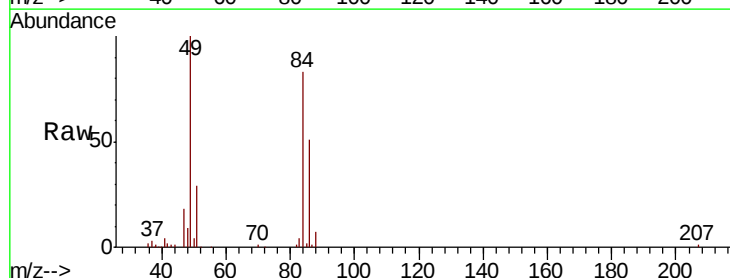
Instrument :
MSVOA_W
ClientSampled :
BFB90

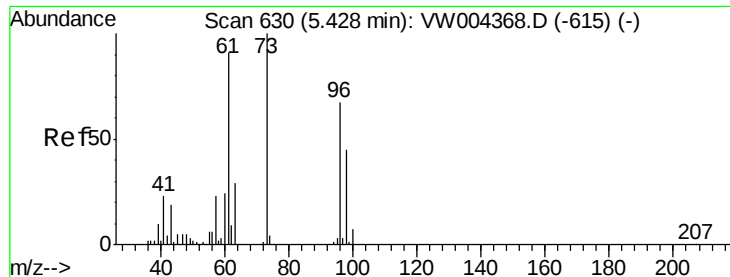
Tot Ion: 43 Resp: 73112
Ion Ratio Lower Upper
43 100
74 22.9 20.6 31.0



#16
Methylene chloride
Concen: 21.404 ug/L
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004368.D
Acq: 01 Aug 2018 10:14

Tgt Ion: 84 Resp: 103354
Ion Ratio Lower Upper
84 100
49 120.4 79.5 147.7
86 61.3 45.8 85.2

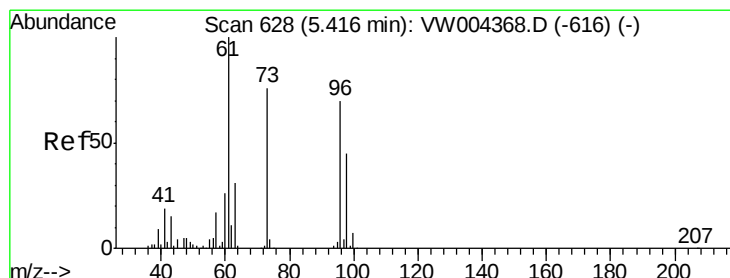
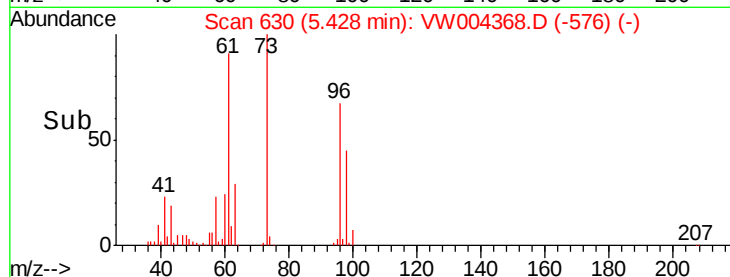
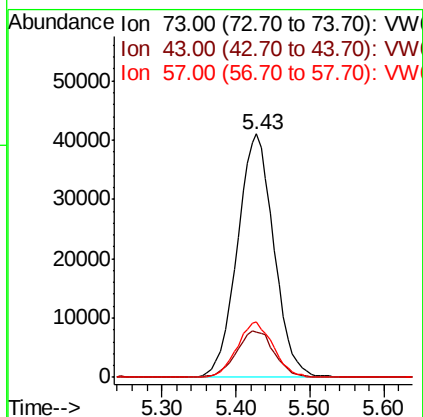
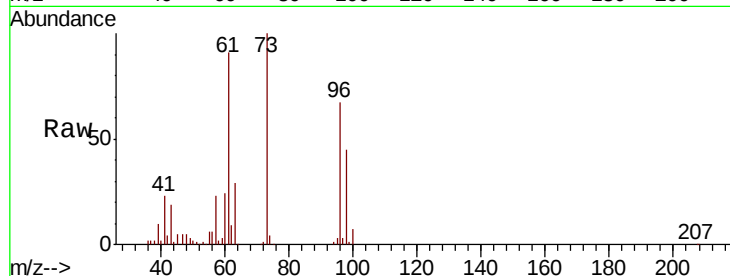




#17
Methvl tert-butvl Ether
Concen: 23.649 ug/L
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW004368.D
Acq: 01 Aug 2018 10:14

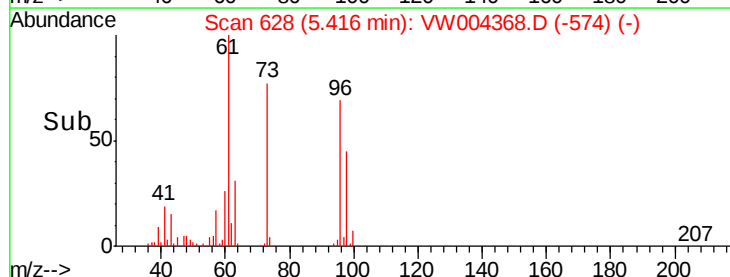
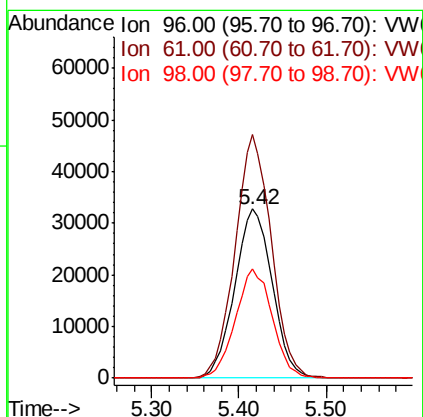
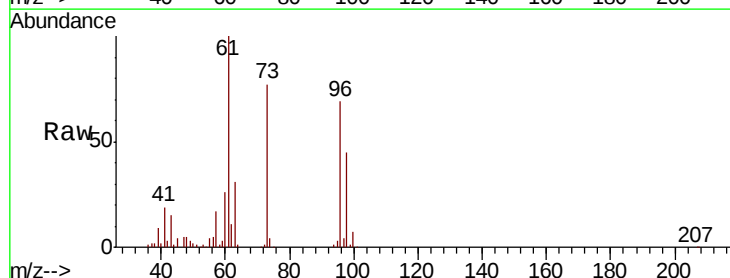
Instrument :
MSVOA_W
ClientSampled :
BFB90

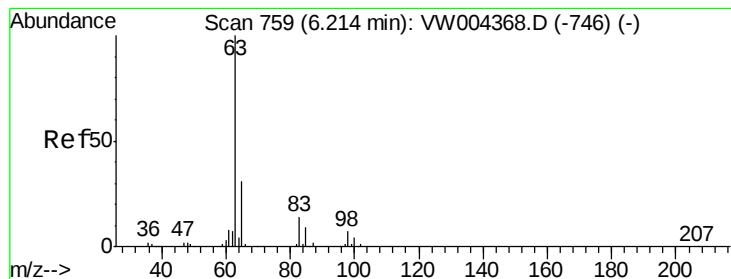
Tot Ion: 73 Resp: 140885
Ion Ratio Lower Upper
73 100
43 19.7 15.1 22.7
57 22.6 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 23.661 ug/L
RT: 5.42 min Scan# 628
Delta R.T. 0.00 min
Lab File: VW004368.D
Acq: 01 Aug 2018 10:14

Tgt Ion: 96 Resp: 97409
Ion Ratio Lower Upper
96 100
61 143.9 93.7 174.1
98 64.7 41.9 77.7





#19

1,1-Dichloroethane

Concen: 24.668 ug/L

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW004368.D

Acq: 01 Aug 2018 10:14

Instrument :

MSVOA_W

ClientSampleId :

BFB90

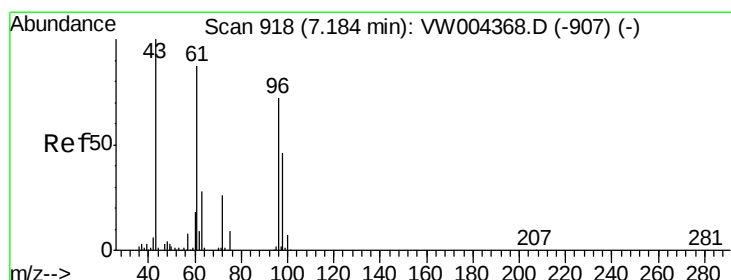
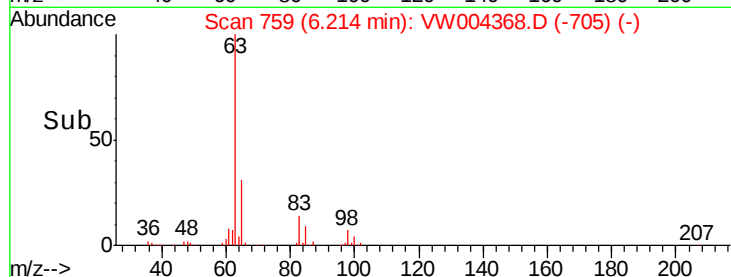
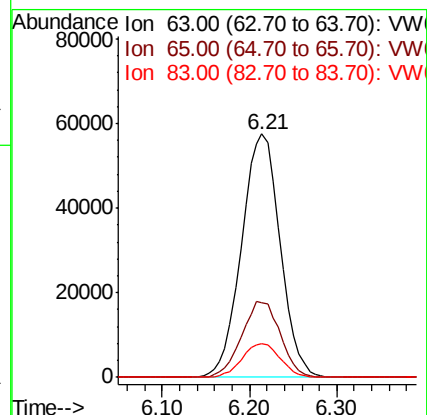
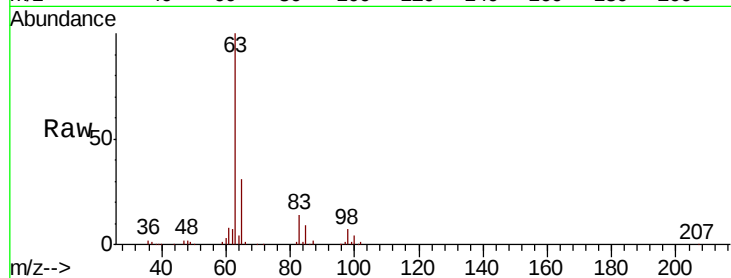
Tot Ion: 63 Resp: 176557

Ion Ratio Lower Upper

63 100

65 30.9 23.0 42.8

83 13.7 10.3 19.1



#21

2-Butanone

Concen: 57.710 ug/L

RT: 7.18 min Scan# 918

Delta R.T. 0.00 min

Lab File: VW004368.D

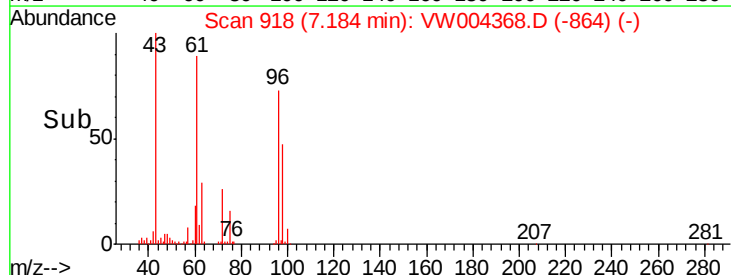
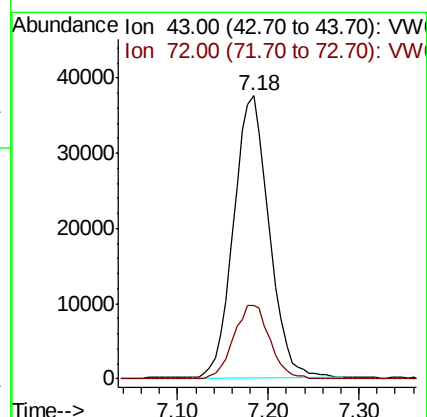
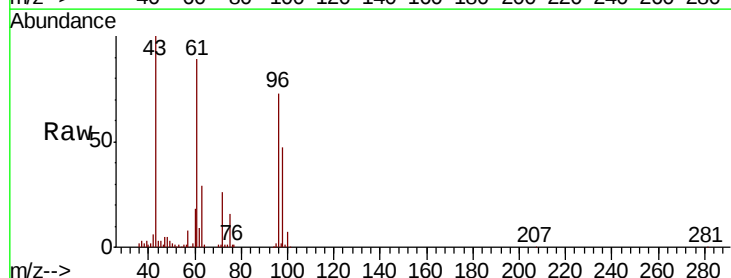
Acq: 01 Aug 2018 10:14

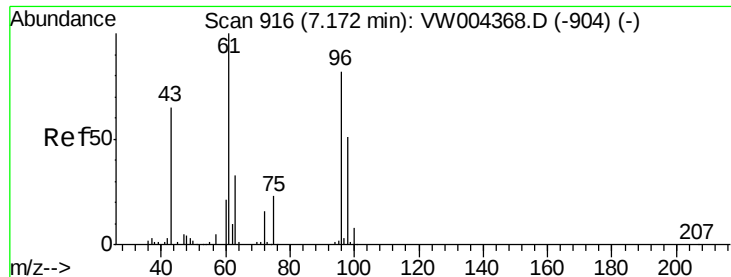
Tgt Ion: 43 Resp: 101562

Ion Ratio Lower Upper

43 100

72 26.7 14.4 43.2



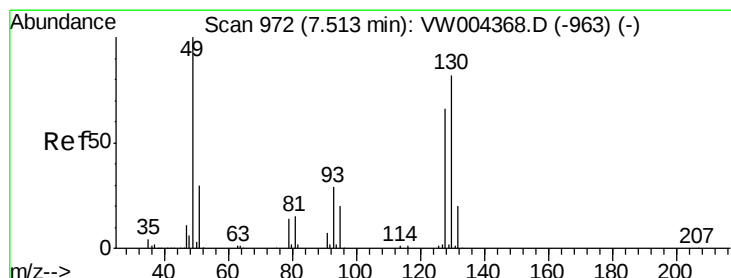
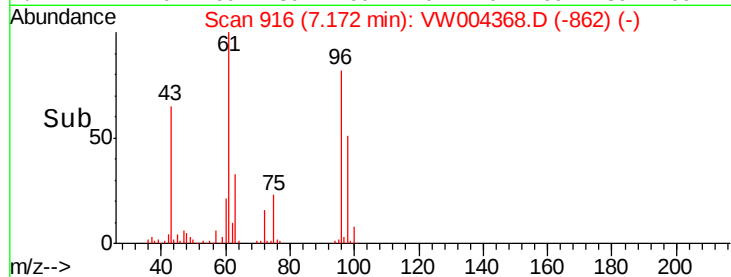
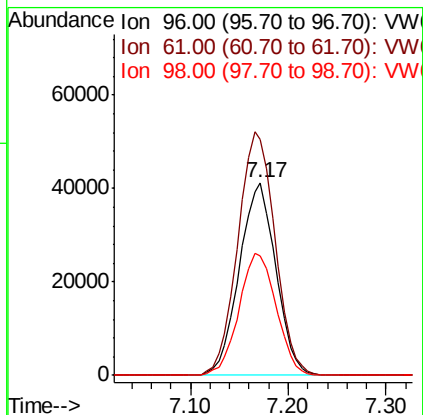
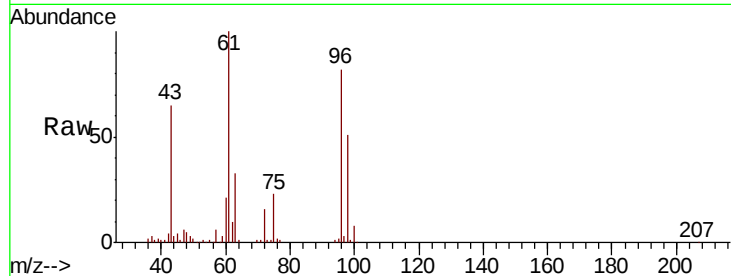


#22

cis-1,2-Dichloroethene
Concen: 23.599 ug/L
RT: 7.17 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW004368.D
Acq: 01 Aug 2018 10:14

Instrument :
MSVOA_W
ClientSampleId :
BFB90

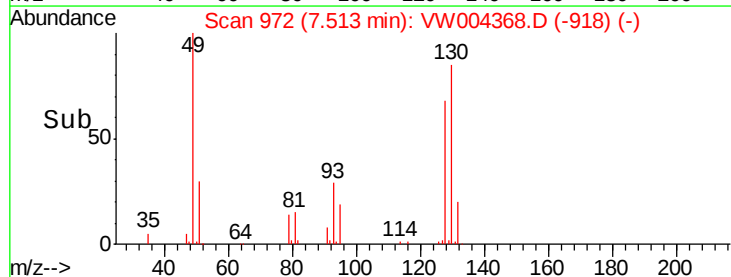
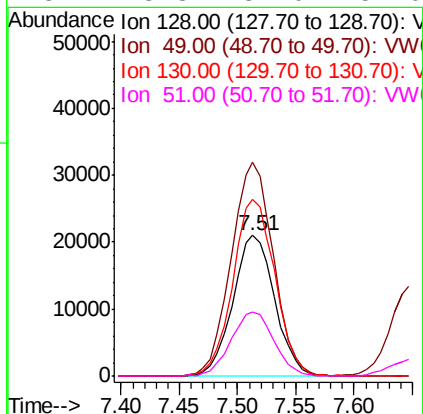
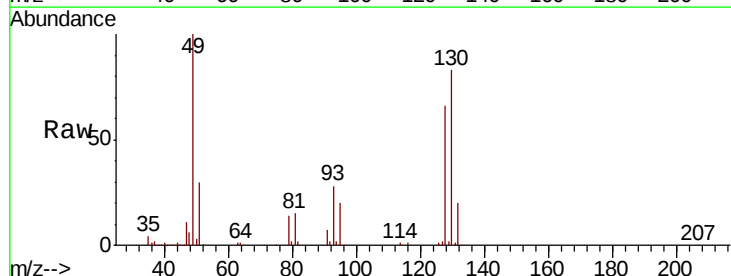
Tot Ion: 96 Resp: 107080
Ion Ratio Lower Upper
96 100
61 122.4 85.7 159.1
98 62.0 43.8 81.3

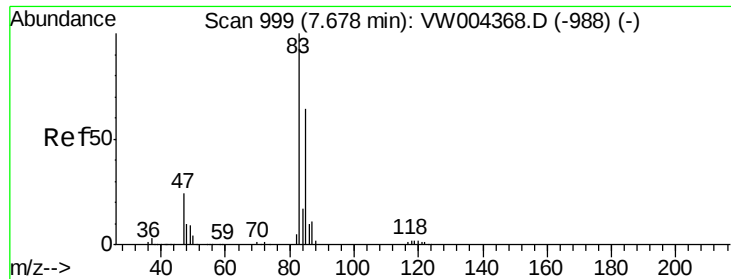


#23

Bromochloromethane
Concen: 24.473 ug/L
RT: 7.51 min Scan# 972
Delta R.T. 0.00 min
Lab File: VW004368.D
Acq: 01 Aug 2018 10:14

Tgt Ion: 128 Resp: 52156
Ion Ratio Lower Upper
128 100
49 152.1 90.9 168.7
130 125.5 93.8 174.2
51 45.3 34.0 51.0

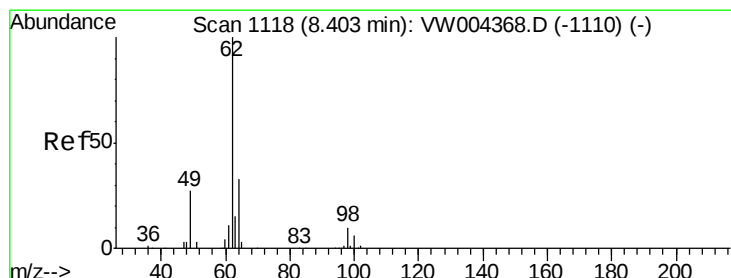
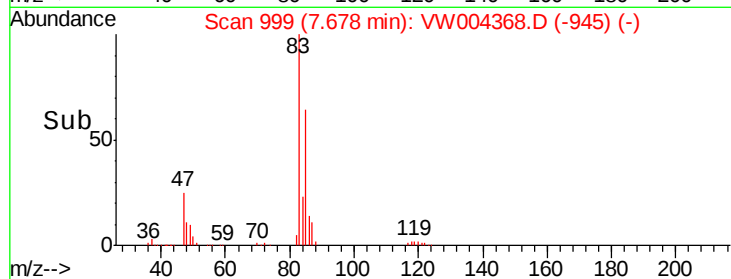
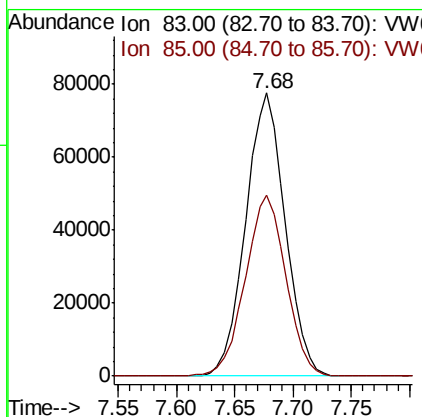
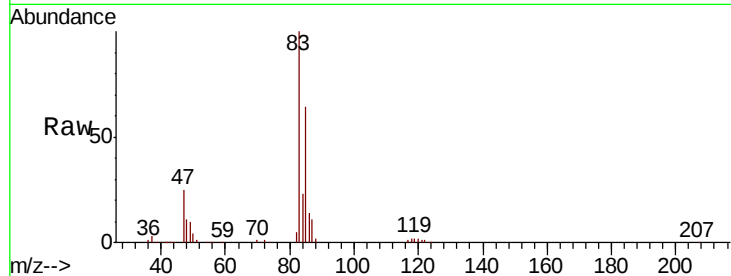




#25
Chloroform
Concen: 24.258 ug/L
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW004368.D
Acq: 01 Aug 2018 10:14

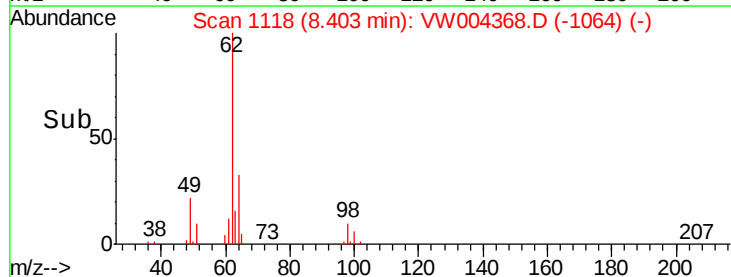
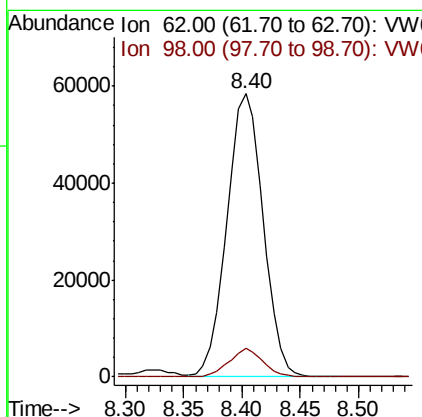
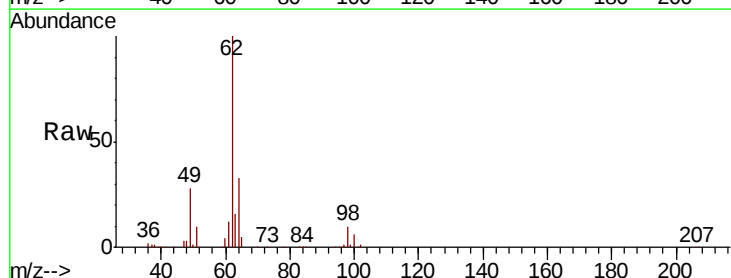
Instrument :
MSVOA_W
ClientSampleId :
BFB90

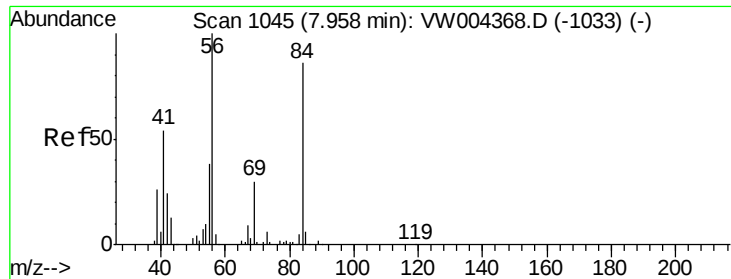
Tot Ion: 83 Resp: 182667
Ion Ratio Lower Upper
83 100
85 66.0 46.2 85.8



#27
1,2-Dichloroethane
Concen: 24.884 ug/L
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW004368.D
Acq: 01 Aug 2018 10:14

Tgt Ion: 62 Resp: 126568
Ion Ratio Lower Upper
62 100
98 10.1 7.8 11.8

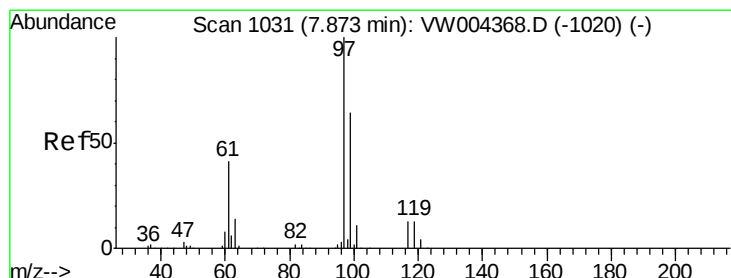
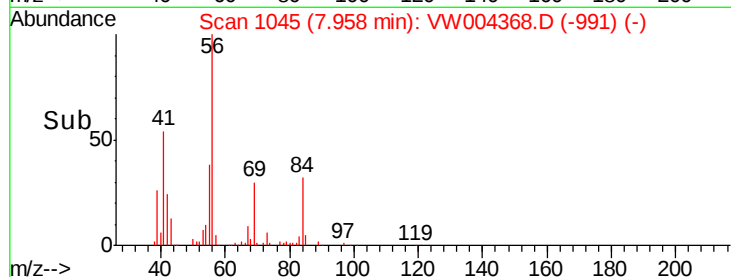
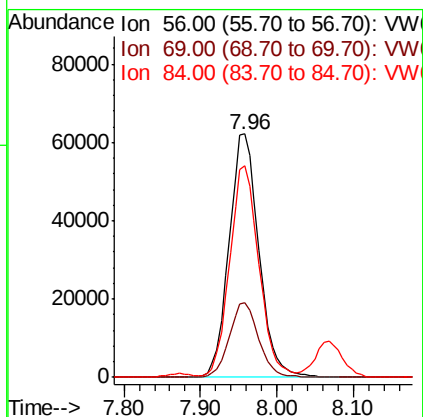
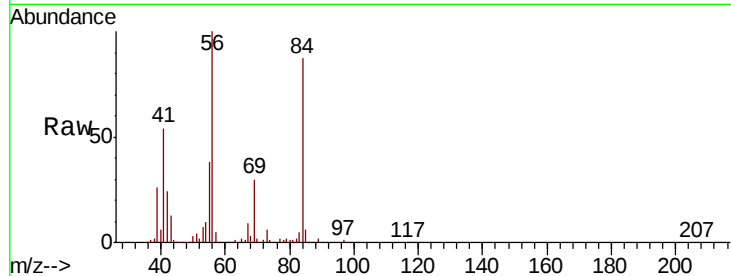




#30
Cyclohexane
Concen: 24.810 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW004368.D
Acq: 01 Aug 2018 10:14

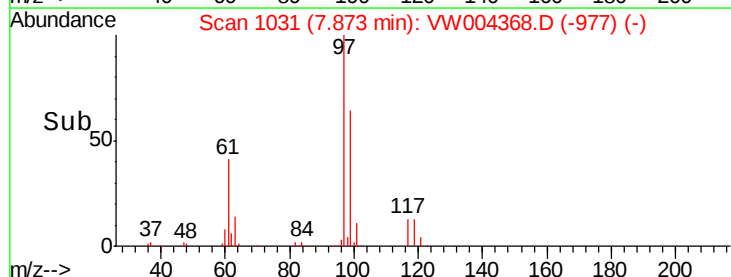
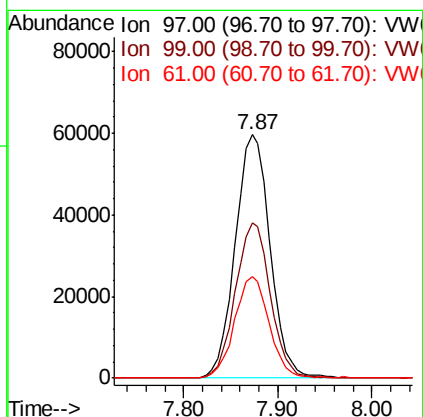
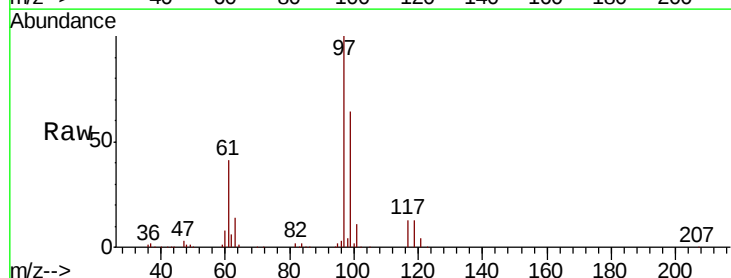
Instrument :
MSVOA_W
ClientSampled :
BFB90

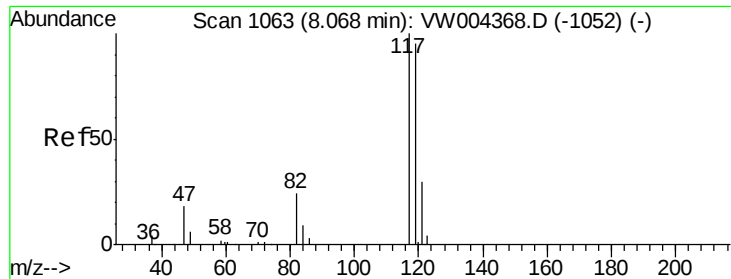
Tot Ion: 56 Resp: 167810
Ion Ratio Lower Upper
56 100
69 30.1 25.7 38.5
84 83.9 73.8 110.6



#31
1,1,1-Trichloroethane
Concen: 24.610 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004368.D
Acq: 01 Aug 2018 10:14

Tgt Ion: 97 Resp: 154447
Ion Ratio Lower Upper
97 100
99 63.8 51.4 77.0
61 41.2 32.2 48.2





#32

Carbon tetrachloride

Concen: 24.669 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW004368.D

Acq: 01 Aug 2018 10:14

Instrument :

MSVOA_W

ClientSampleId :

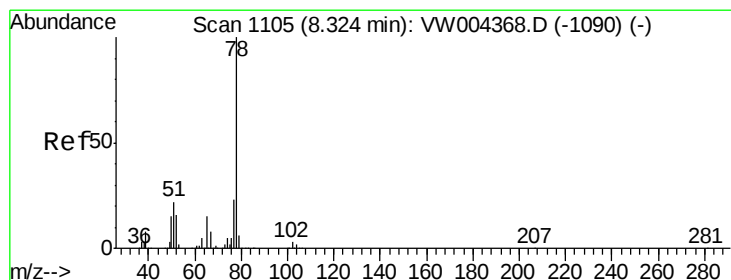
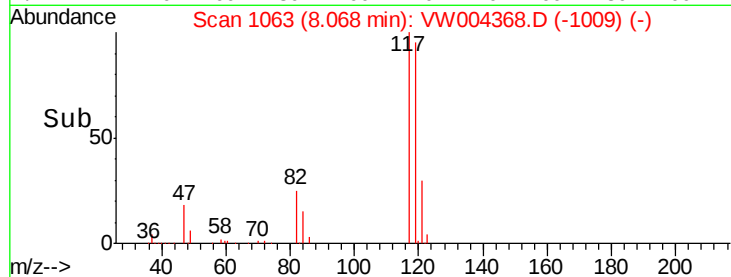
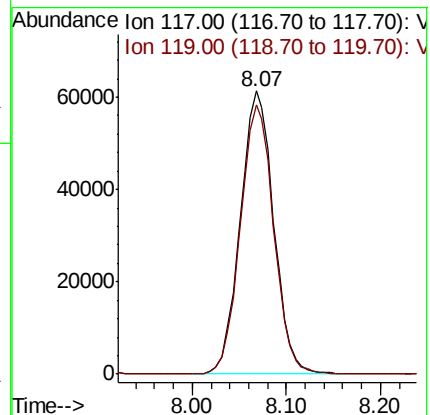
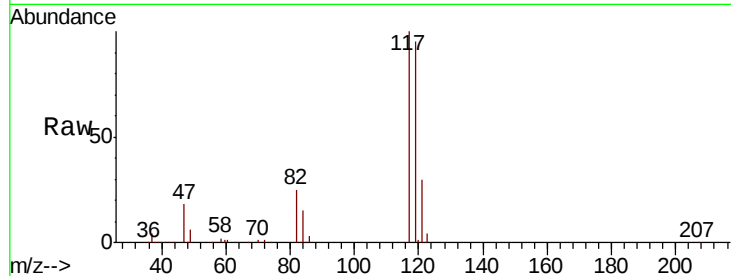
BFB90

Tot Ion:117 Resp: 150783

Ion Ratio Lower Upper

117 100

119 95.4 77.0 115.6



#34

Benzene

Concen: 24.154 ug/L

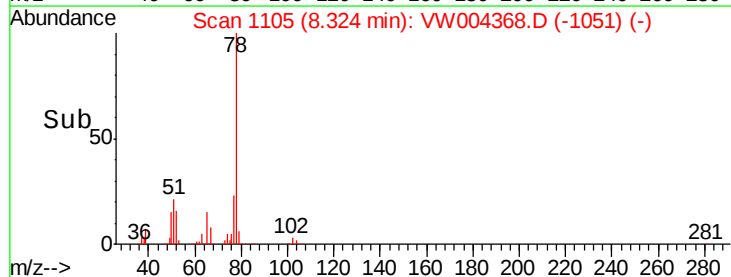
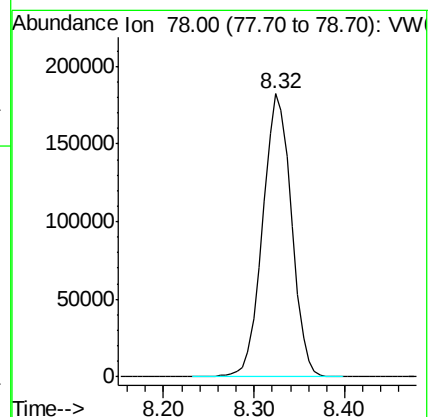
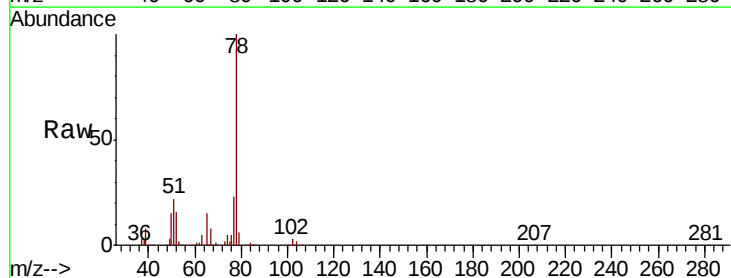
RT: 8.32 min Scan# 1105

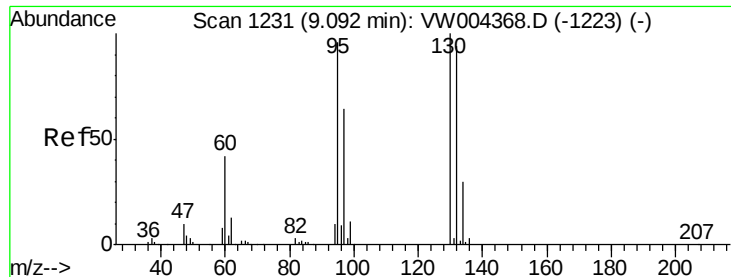
Delta R.T. 0.00 min

Lab File: VW004368.D

Acq: 01 Aug 2018 10:14

Tgt Ion: 78 Resp: 401022

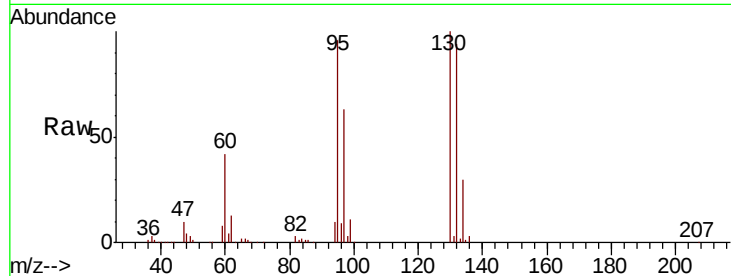




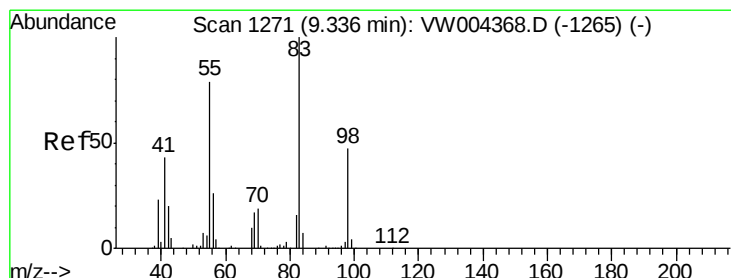
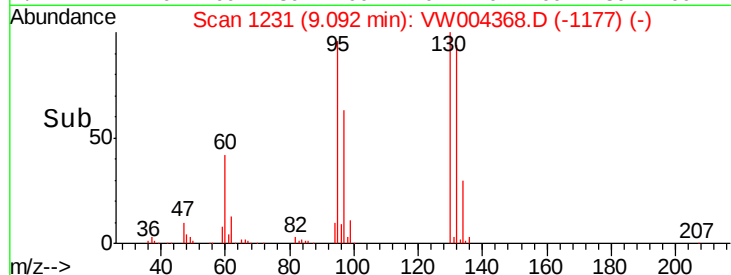
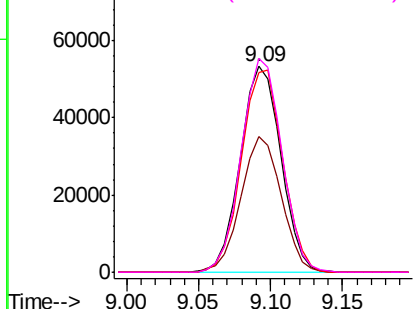
#35
 Trichloroethene
 Concen: 23.476 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VW004368.D
 Acq: 01 Aug 2018 10:14

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB90

Tot Ion: 95 Resp: 104334
 Ion Ratio Lower Upper
 95 100
 97 65.3 45.6 84.6
 132 100.0 71.2 132.2
 130 103.7 73.9 137.3

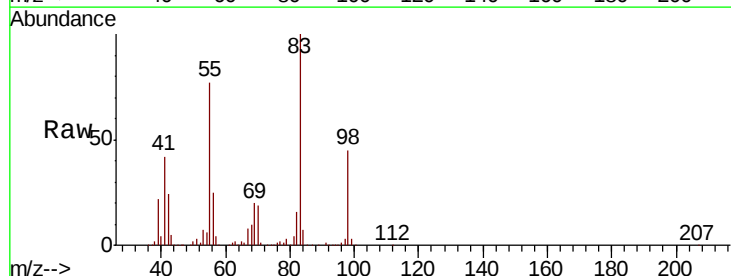


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

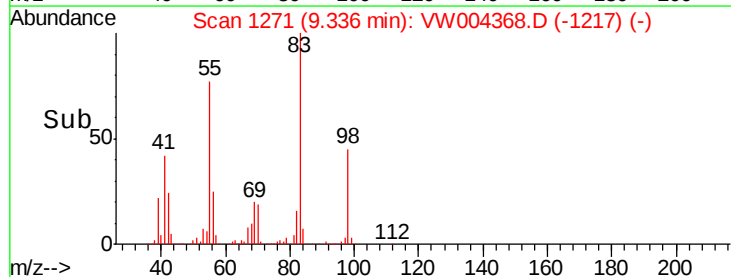
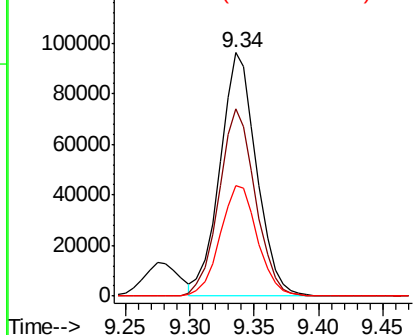


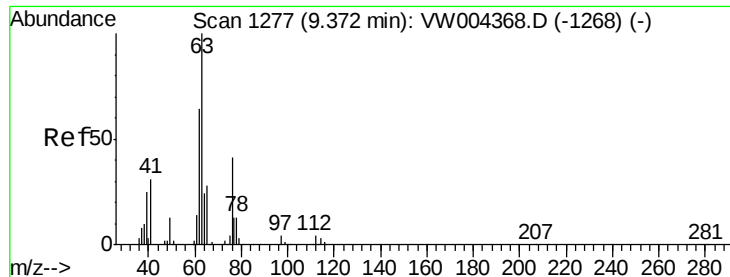
#36
 Methylcyclohexane
 Concen: 24.087 ug/L
 RT: 9.34 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VW004368.D
 Acq: 01 Aug 2018 10:14

Tgt Ion: 83 Resp: 190948
 Ion Ratio Lower Upper
 83 100
 55 76.8 58.2 87.2
 98 46.6 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: 24.655 ug/L

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW004368.D

Acq: 01 Aug 2018 10:14

Instrument :

MSVOA_W

ClientSampleId :

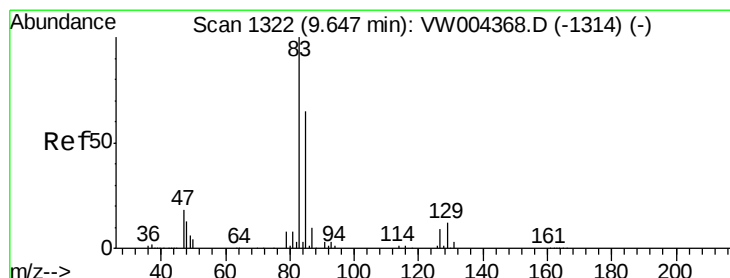
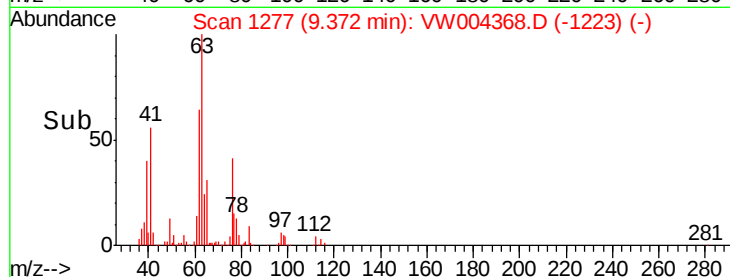
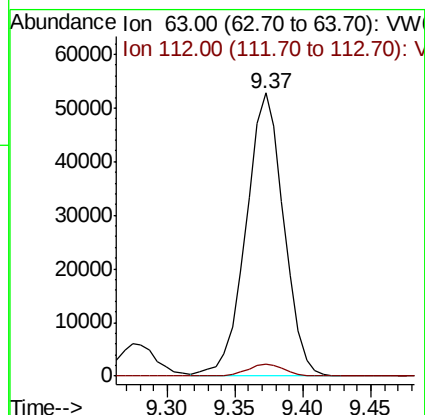
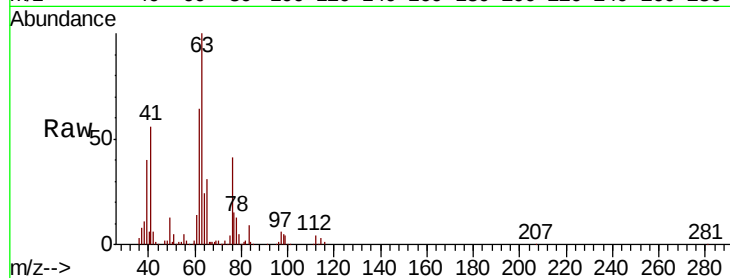
BFB90

Tot Ion: 63 Resp: 102684

Ion Ratio Lower Upper

63 100

112 4.3 3.4 5.2



#41

Bromodichloromethane

Concen: 24.111 ug/L

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004368.D

Acq: 01 Aug 2018 10:14

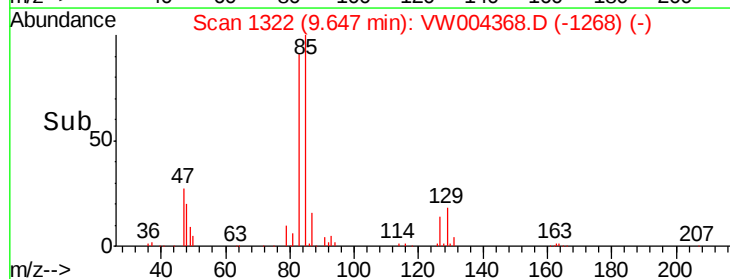
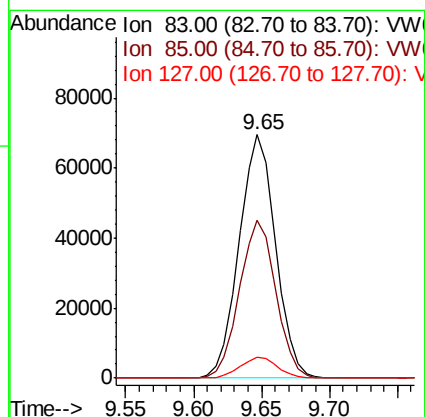
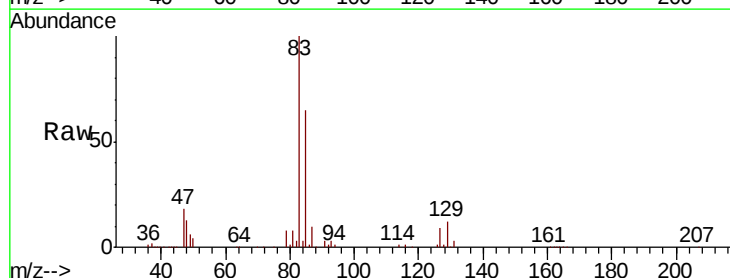
Tgt Ion: 83 Resp: 129921

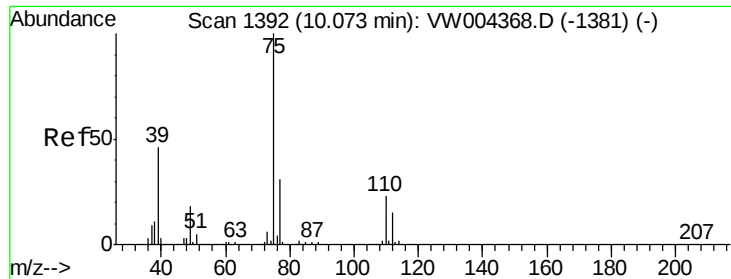
Ion Ratio Lower Upper

83 100

85 64.9 44.9 83.3

127 8.7 7.4 11.0





#42

cis-1,3-Dichloropropene

Concen: 24.133 ug/L

RT: 10.07 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW004368.D

Acq: 01 Aug 2018 10:14

Instrument :

MSVOA_W

ClientSampleId :

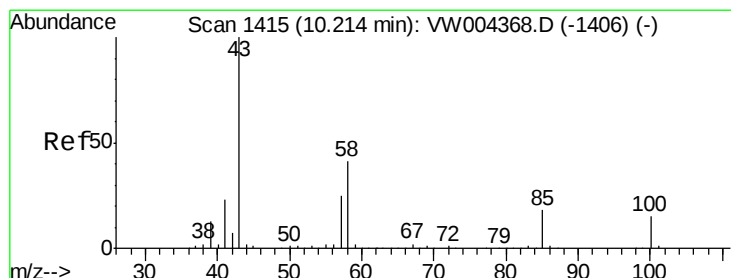
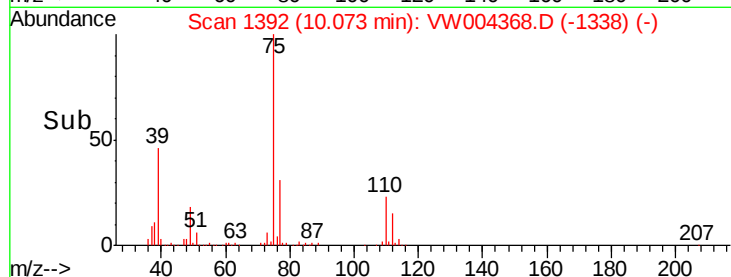
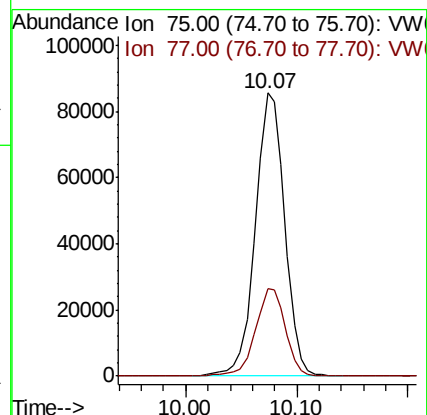
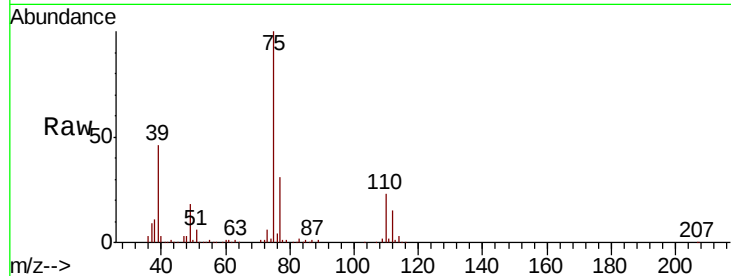
BFB90

Tot Ion: 75 Resp: 157655

Ion Ratio Lower Upper

75 100

77 31.1 22.0 41.0



#43

4-Methyl-2-pentanone

Concen: 57.395 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW004368.D

Acq: 01 Aug 2018 10:14

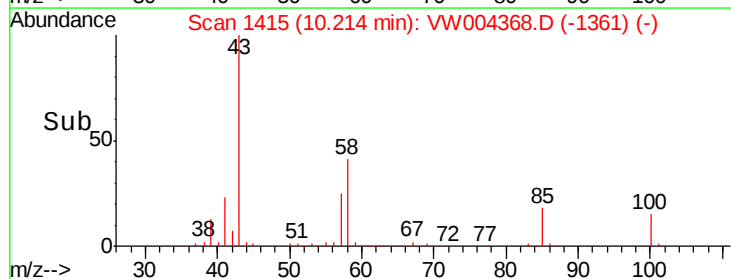
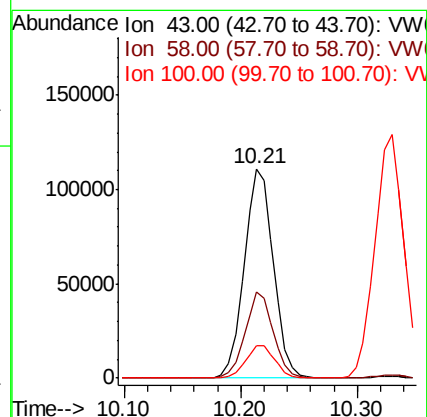
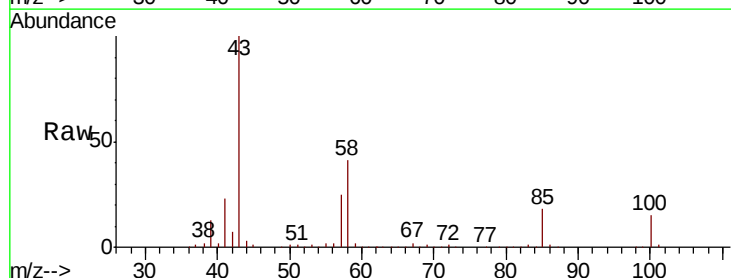
Tgt Ion: 43 Resp: 193519

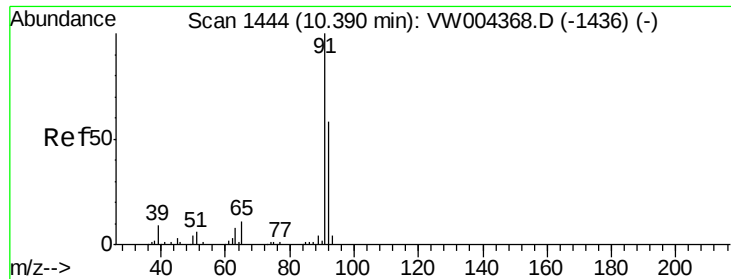
Ion Ratio Lower Upper

43 100

58 39.5 32.3 48.5

100 15.5 13.9 20.9





#44

Toluene

Concen: 24.101 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004368.D

Acq: 01 Aug 2018 10:14

Instrument :

MSVOA_W

ClientSampled :

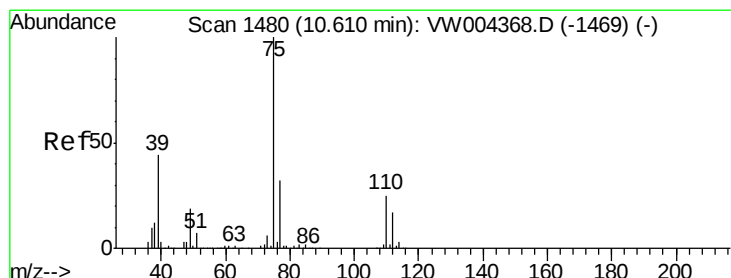
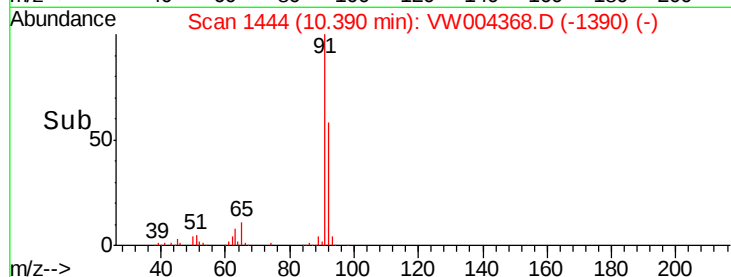
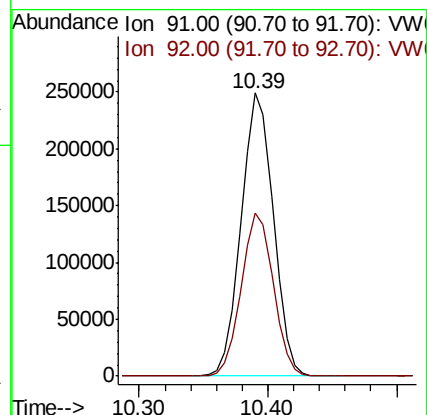
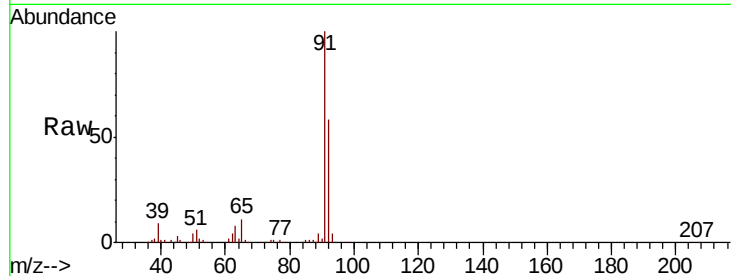
BFB90

Tot Ion: 91 Resp: 430304

Ion Ratio Lower Upper

91 100

92 57.6 40.9 75.9



#45

trans-1,3-Dichloropropene

Concen: 24.986 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004368.D

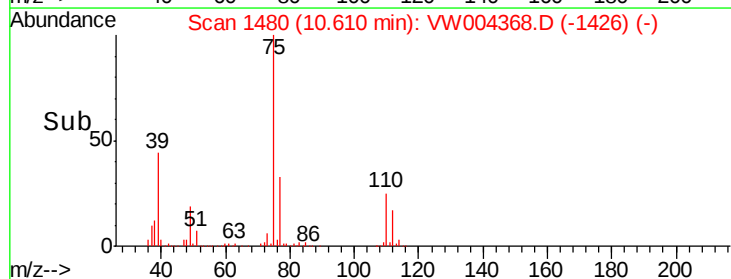
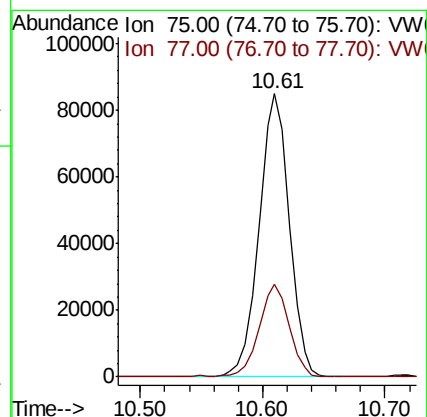
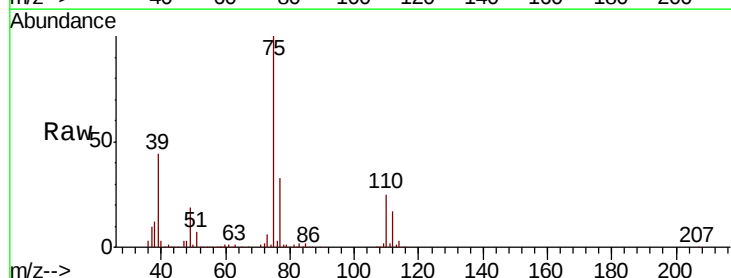
Acq: 01 Aug 2018 10:14

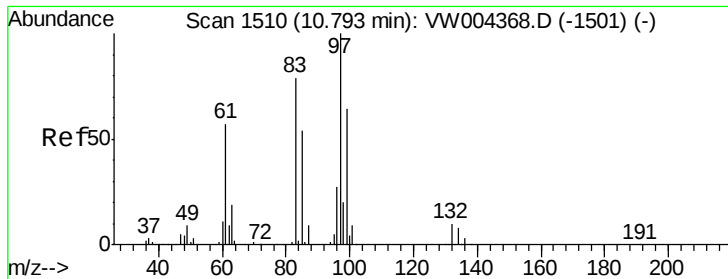
Tgt Ion: 75 Resp: 146543

Ion Ratio Lower Upper

75 100

77 32.7 23.9 44.5





#46

1,1,2-Trichloroethane

Concen: 24.861 ug/L

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW004368.D

Acq: 01 Aug 2018 10:14

Instrument :

MSVOA_W

ClientSampleId :

BFB90

Tot Ion: 97 Resp: 85385

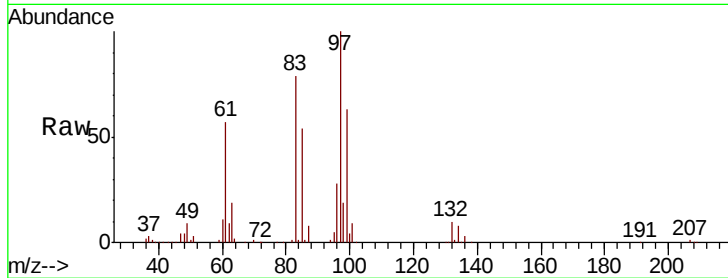
Ion	Ratio	Lower	Upper
97	100		
83	78.9	59.4	110.2
85	53.9	39.0	72.4
99	63.4	46.0	85.4

97 100

83 78.9 59.4 110.2

85 53.9 39.0 72.4

99 63.4 46.0 85.4



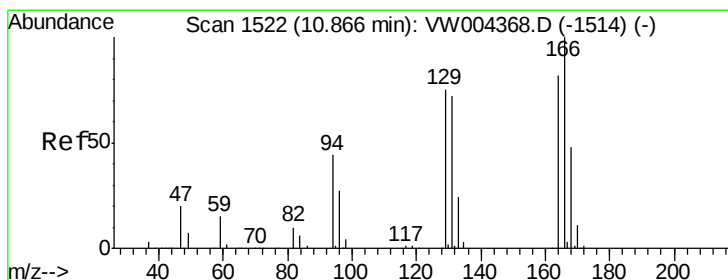
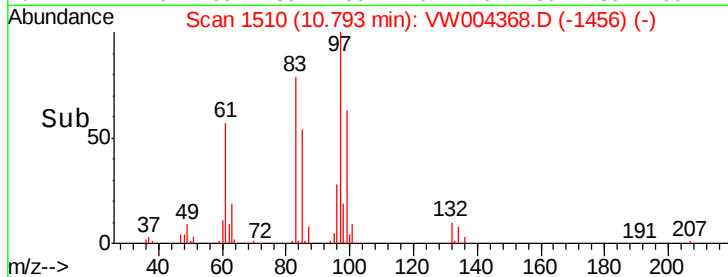
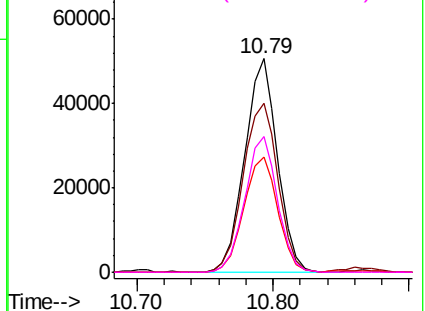
Abundance

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: 24.048 ug/L

RT: 10.87 min Scan# 1522

Delta R.T. 0.00 min

Lab File: VW004368.D

Acq: 01 Aug 2018 10:14

Tgt Ion: 164 Resp: 91771

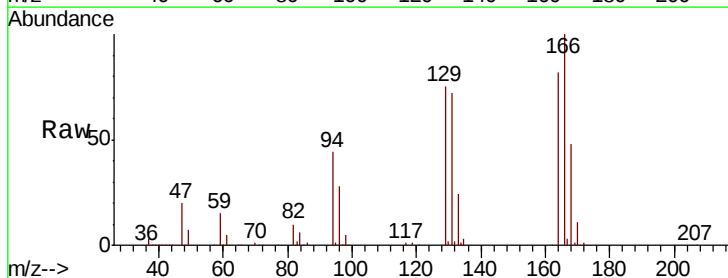
Ion	Ratio	Lower	Upper
164	100		
129	91.9	63.7	118.3
131	87.8	61.6	114.4
166	122.5	87.9	163.3

164 100

129 91.9 63.7 118.3

131 87.8 61.6 114.4

166 122.5 87.9 163.3



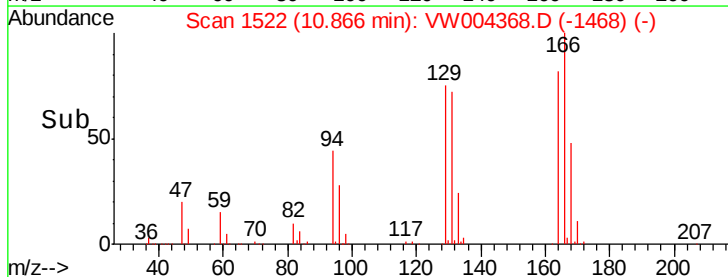
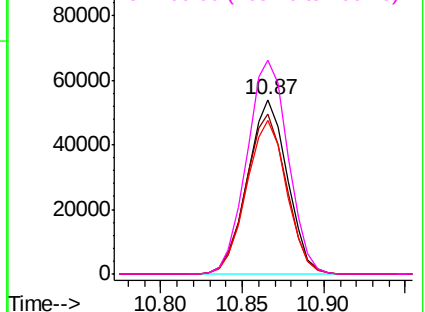
Abundance

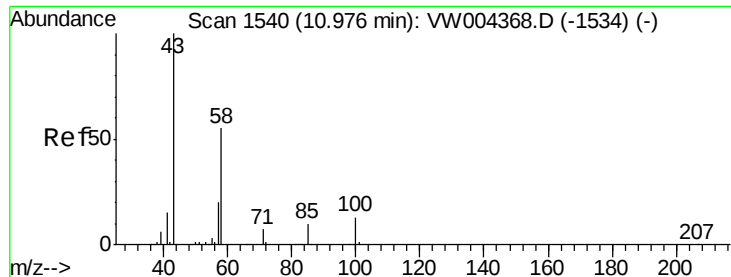
Ion 164.00 (163.70 to 164.70): V

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

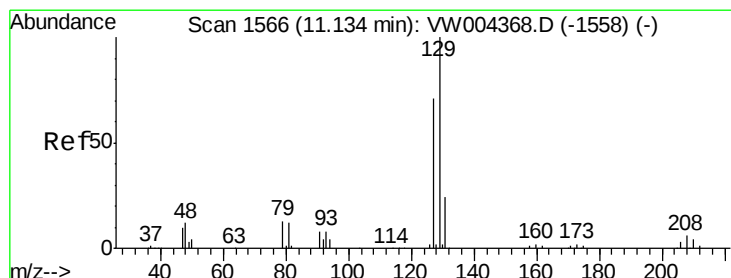
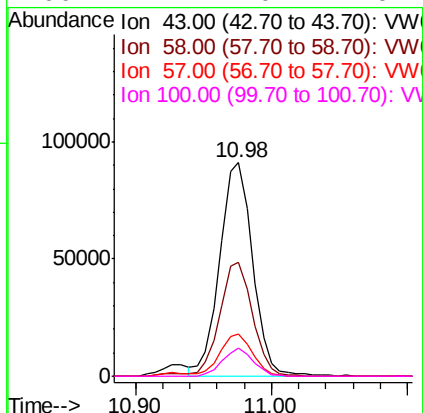
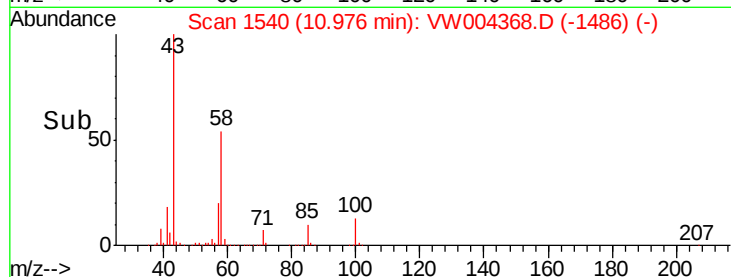
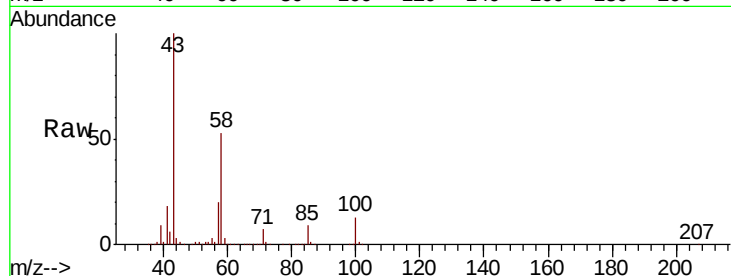




#49
2-Hexanone
Concen: 61.412 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004368.D
Acq: 01 Aug 2018 10:14

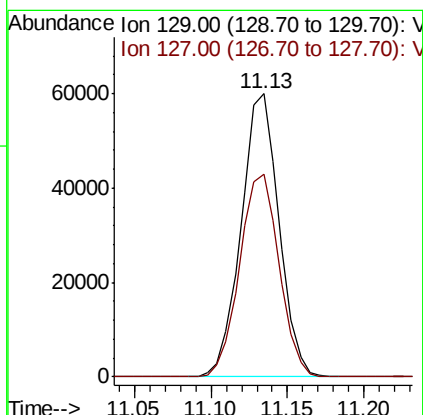
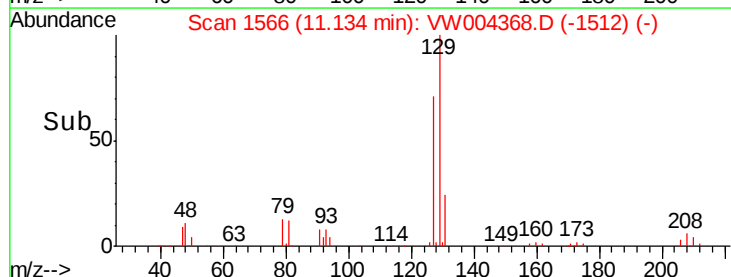
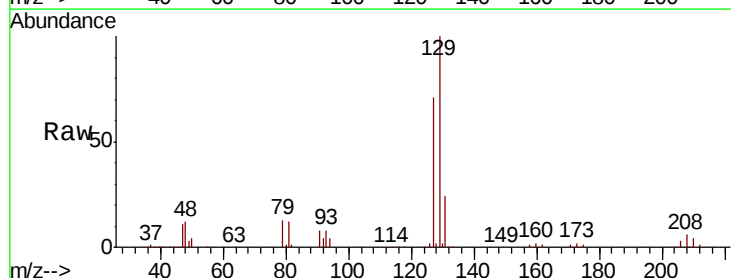
Instrument :
MSVOA_W
ClientSampled :
BFB90

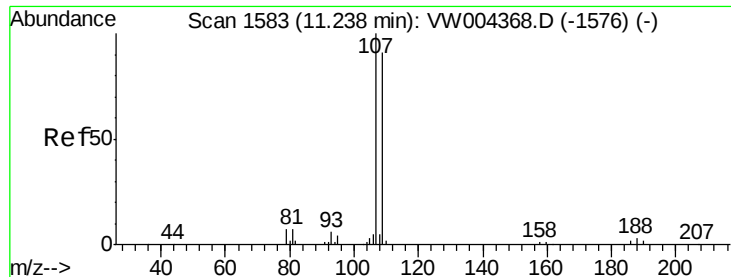
Tot Ion: 43 Resp: 153894
Ion Ratio Lower Upper
43 100
58 52.6 44.0 66.0
57 19.4 16.0 24.0
100 12.1 10.7 16.1



#50
Dibromochloromethane
Concen: 24.647 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW004368.D
Acq: 01 Aug 2018 10:14

Tgt Ion: 129 Resp: 103121
Ion Ratio Lower Upper
129 100
127 71.5 55.6 103.2

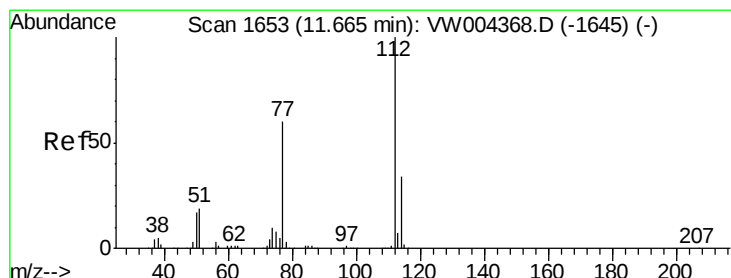
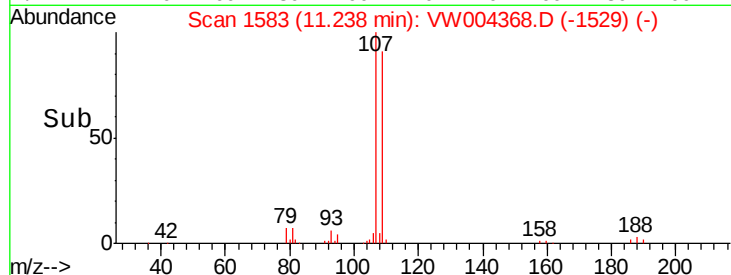
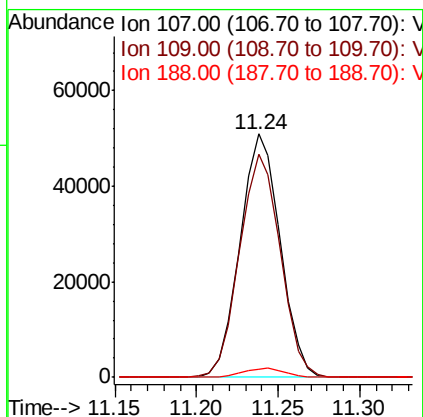
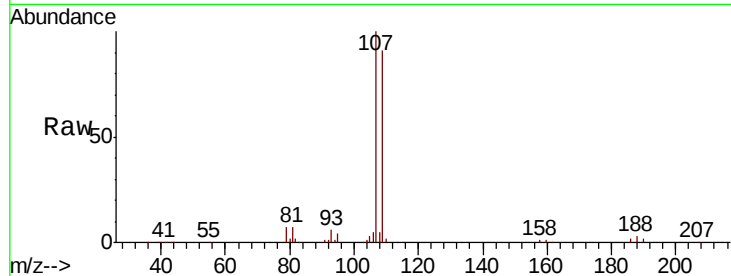




#51
1,2-Dibromoethane
Concen: 25.669 ug/L
RT: 11.24 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VW004368.D
Acq: 01 Aug 2018 10:14

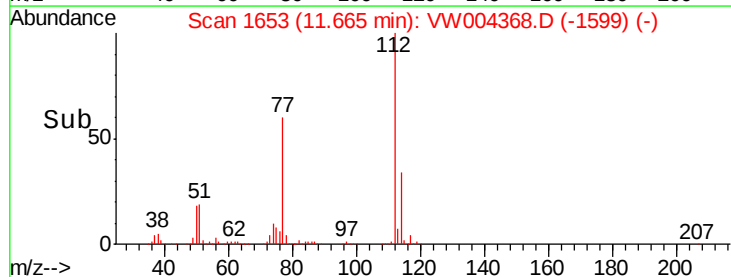
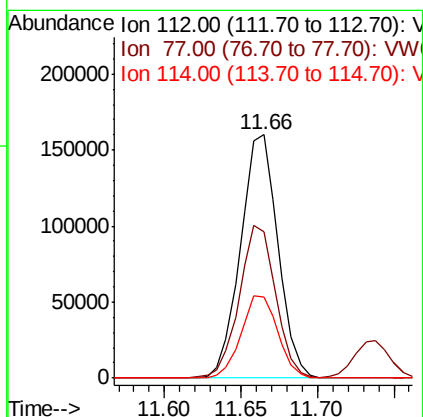
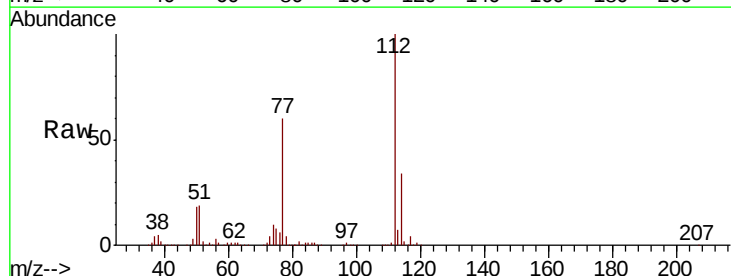
Instrument :
MSVOA_W
ClientSampleId :
BFB90

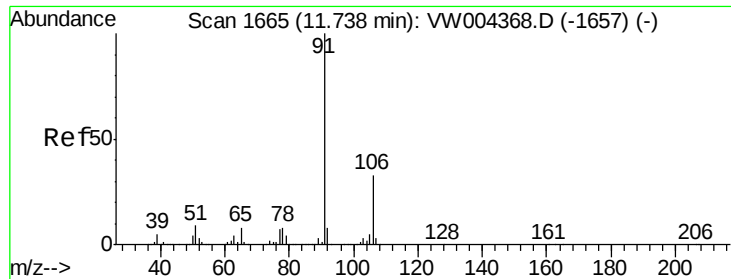
Tot Ion:107 Resp: 87374
Ion Ratio Lower Upper
107 100
109 91.4 65.1 120.9
188 3.4 3.2 4.8



#52
Chlorobenzene
Concen: 22.883 ug/L
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW004368.D
Acq: 01 Aug 2018 10:14

Tgt Ion:112 Resp: 271953
Ion Ratio Lower Upper
112 100
77 60.2 42.9 64.3
114 33.6 22.0 41.0





#53

Ethylbenzene

Concen: 23.095 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW004368.D

Acq: 01 Aug 2018 10:14

Instrument :

MSVOA_W

ClientSampleId :

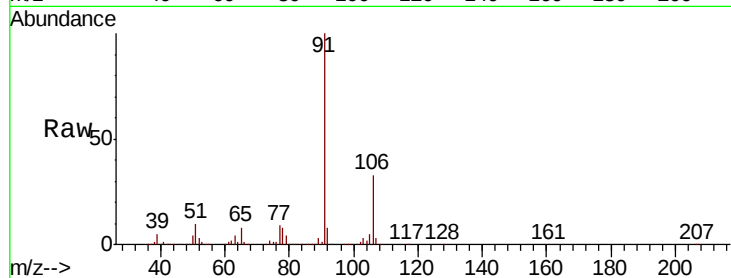
BFB90

Tot Ion: 91 Resp: 466474

Ion Ratio Lower Upper

91 100

106 33.0 20.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

11.74

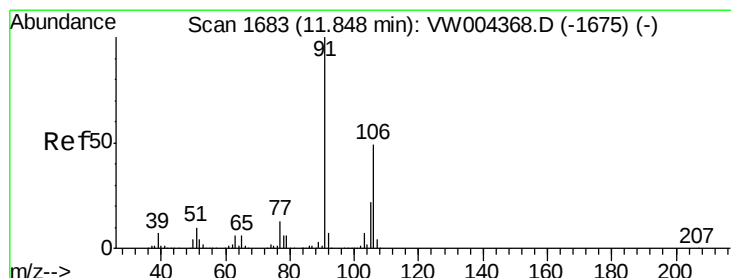
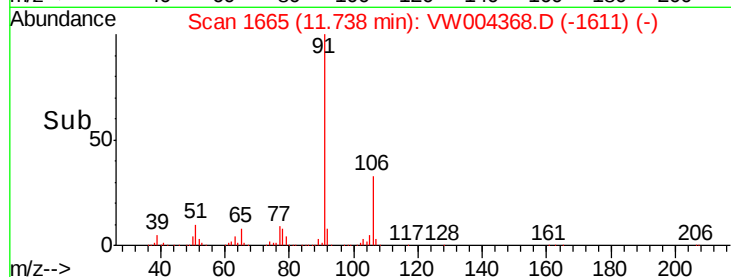
300000

200000

100000

0

Time--> 11.65 11.70 11.75 11.80



#54

m,p-Xylene

Concen: 23.932 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW004368.D

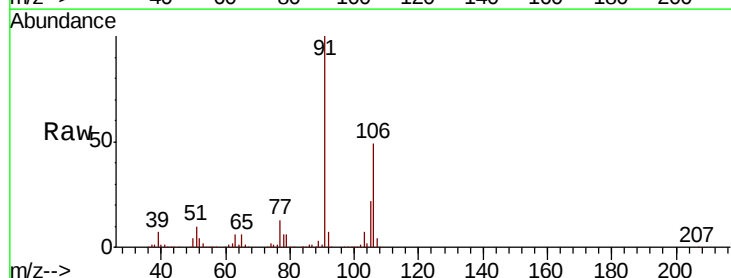
Acq: 01 Aug 2018 10:14

Tgt Ion:106 Resp: 182847

Ion Ratio Lower Upper

106 100

91 202.8 139.2 258.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

11.85

250000

200000

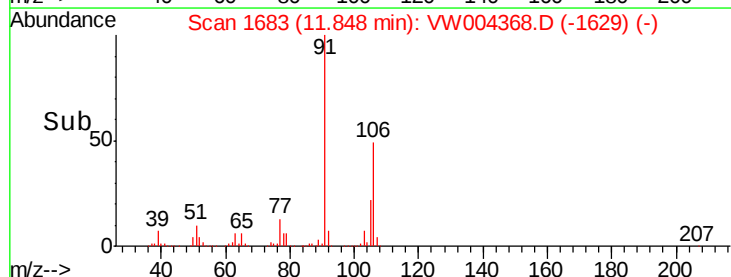
150000

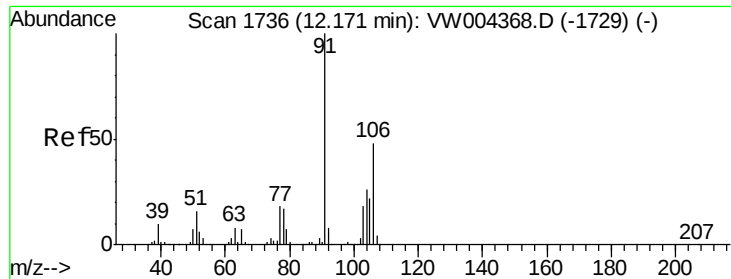
100000

50000

0

Time--> 11.75 11.80 11.85 11.90

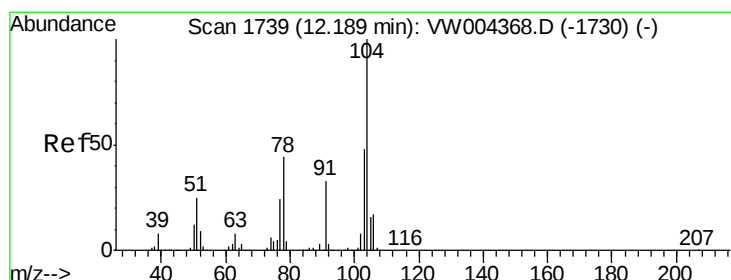
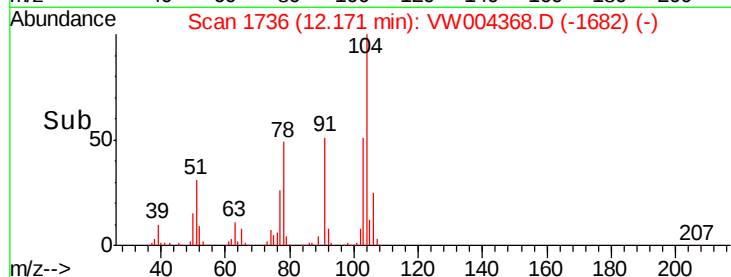
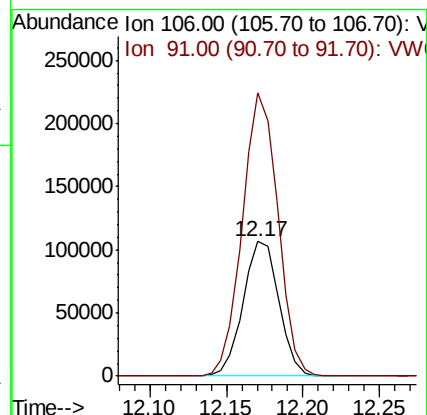
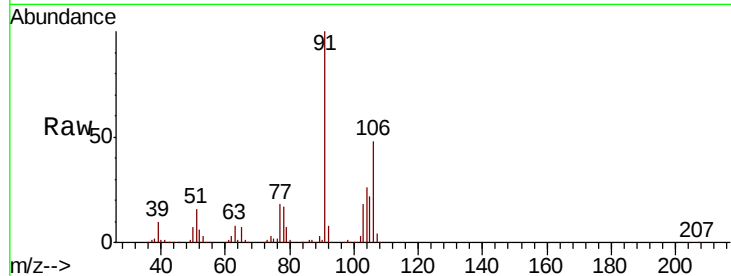




#55
o-xylene
Concen: 24.032 ug/L
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004368.D
Acq: 01 Aug 2018 10:14

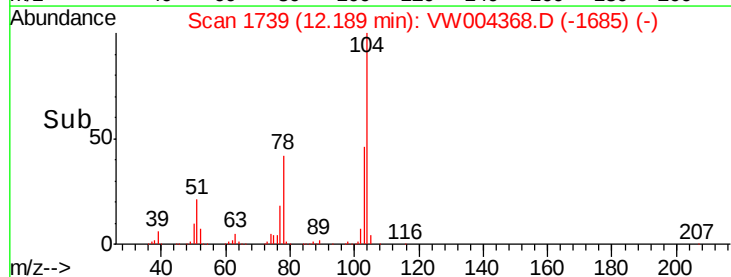
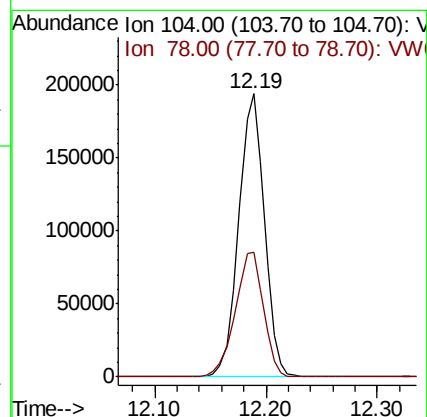
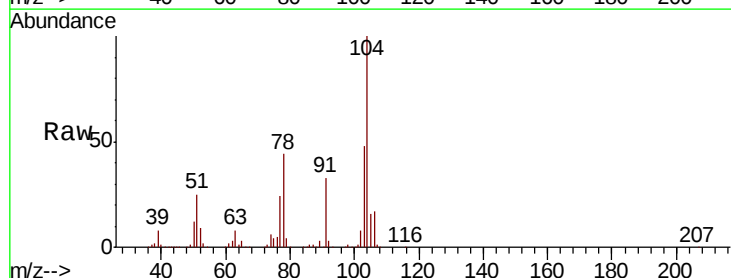
Instrument :
MSVOA_W
ClientSampled :
BFB90

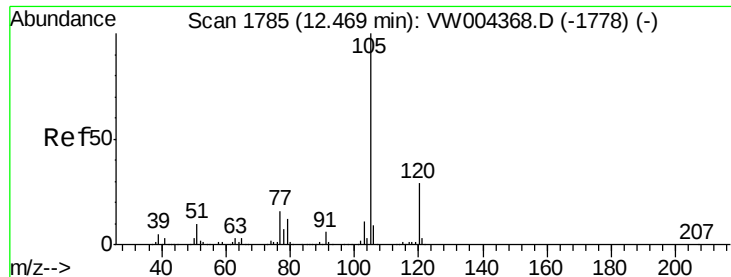
Tot Ion:106 Resp: 173424
Ion Ratio Lower Upper
106 100
91 210.2 143.4 266.4



#56
Styrene
Concen: 24.776 ug/L
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW004368.D
Acq: 01 Aug 2018 10:14

Tgt Ion:104 Resp: 309497
Ion Ratio Lower Upper
104 100
78 44.1 31.7 58.9





#57

Isopropylbenzene

Concen: 23.861 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004368.D

Acq: 01 Aug 2018 10:14

Instrument :

MSVOA_W

ClientSampleId :

BFB90

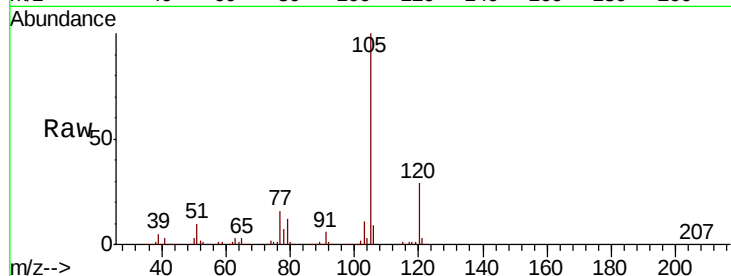
Tot Ion:105 Resp: 482770

Ion Ratio Lower Upper

105 100

120 27.7 21.8 32.8

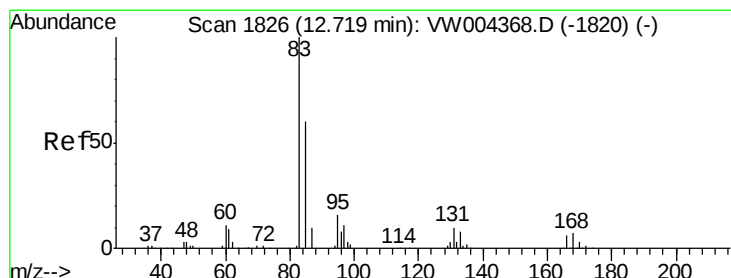
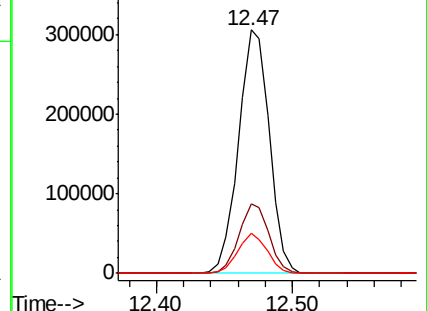
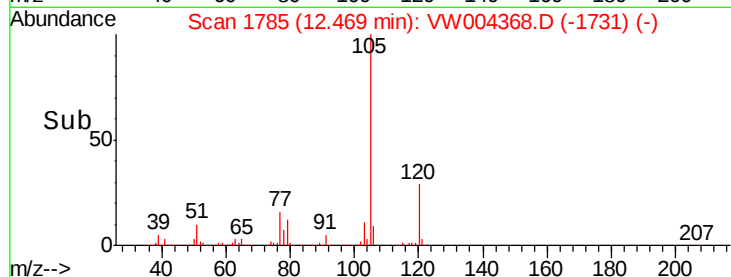
77 15.5 11.8 17.8



Abundance Ion 105.00 (104.70 to 105.70): VW

Ion 120.00 (119.70 to 120.70): VW

Ion 77.00 (76.70 to 77.70): VW



#58

1,1,2,2-Tetrachloroethane

Concen: 26.580 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004368.D

Acq: 01 Aug 2018 10:14

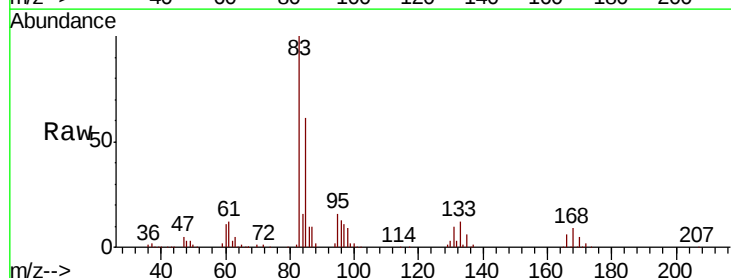
Tgt Ion: 83 Resp: 125331

Ion Ratio Lower Upper

83 100

85 60.8 44.3 82.3

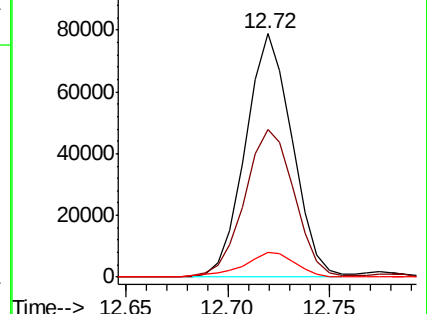
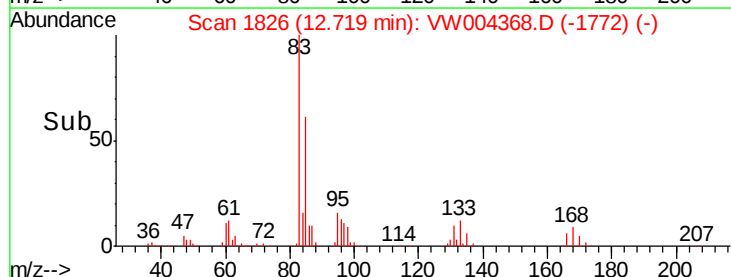
131 10.2 9.1 13.7

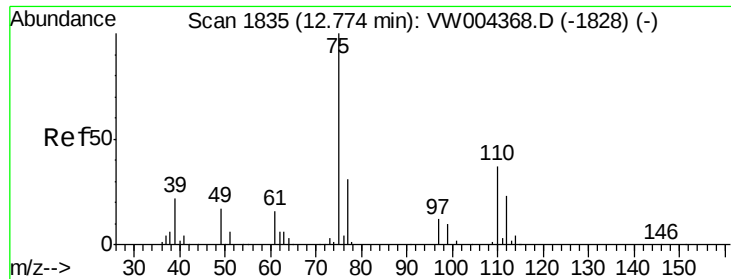


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): VW

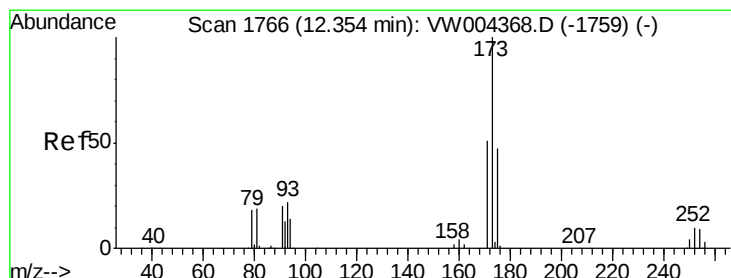
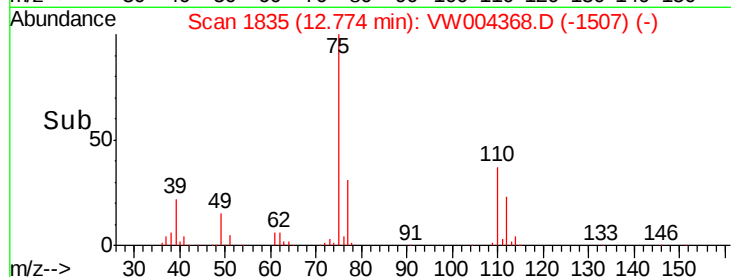
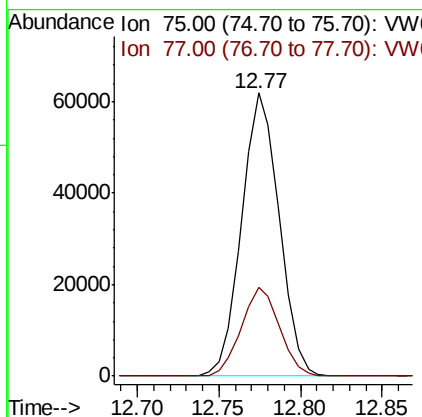
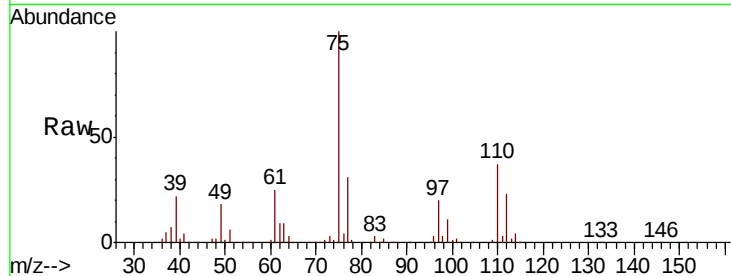




#59
 1,2,3-Trichloropropane
 Concen: 27.294 ug/L
 RT: 12.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VW004368.D
 Acq: 01 Aug 2018 10:14

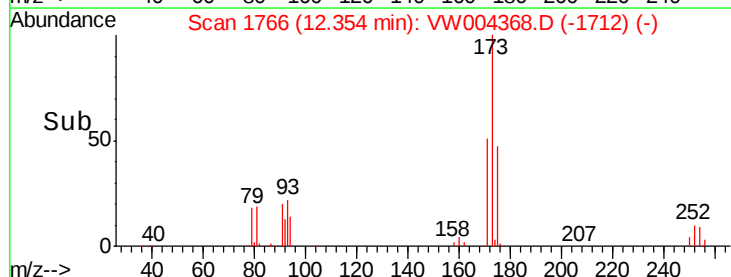
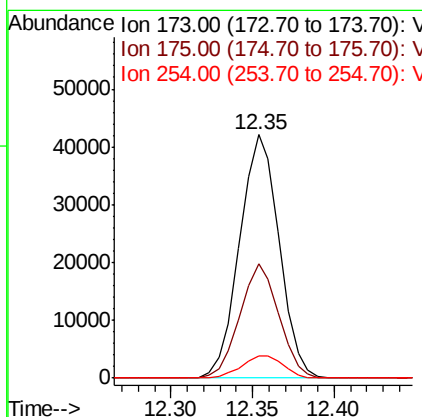
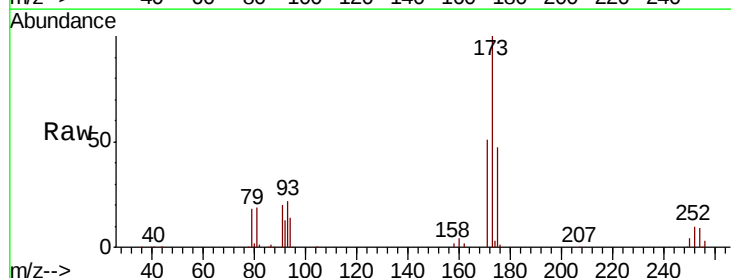
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB90

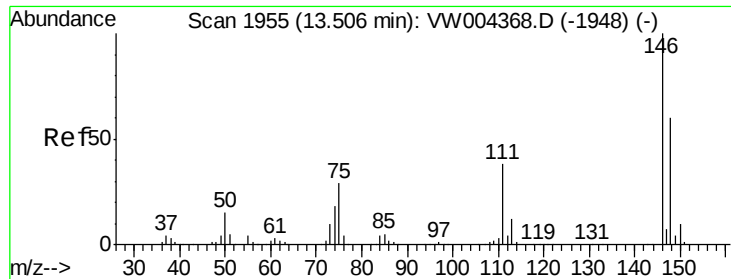
Tot Ion: 75 Resp: 99090
 Ion Ratio Lower Upper
 75 100
 77 31.9 26.6 40.0



#62
 Bromoform
 Concen: 24.355 ug/L
 RT: 12.35 min Scan# 1766
 Delta R.T. 0.00 min
 Lab File: VW004368.D
 Acq: 01 Aug 2018 10:14

Tgt Ion: 173 Resp: 71134
 Ion Ratio Lower Upper
 173 100
 175 46.4 39.8 59.8
 254 9.8 8.6 12.8

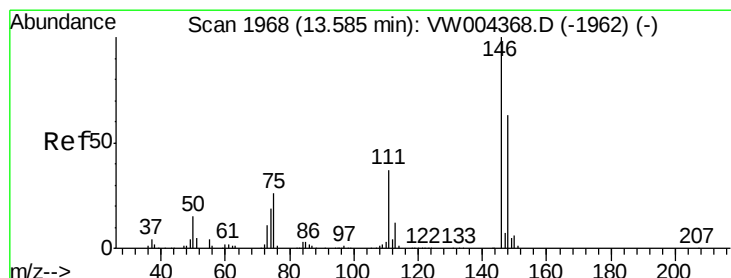
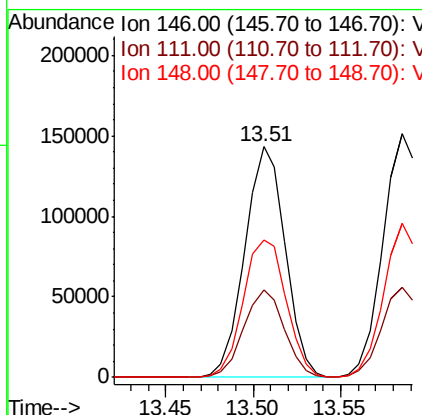
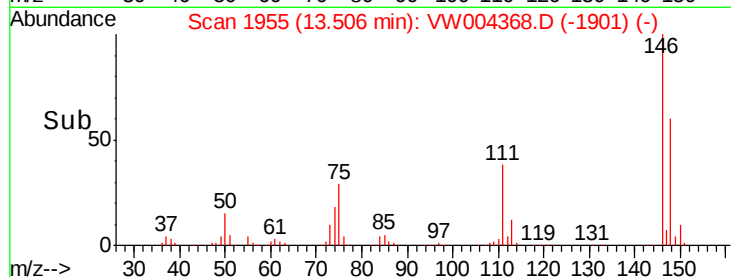
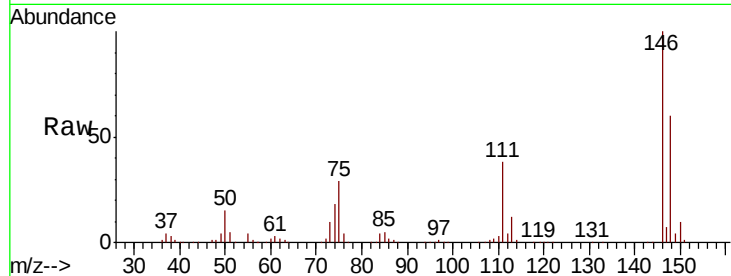




#63
 1,3-Dichlorobenzene
 Concen: 22.806 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004368.D
 Acq: 01 Aug 2018 10:14

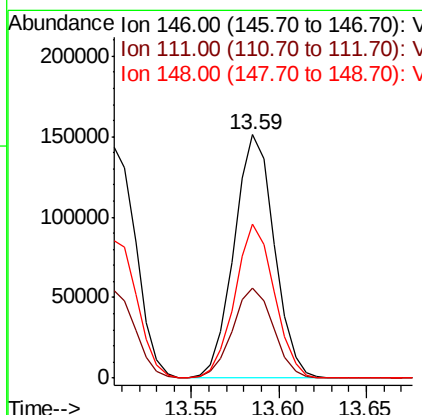
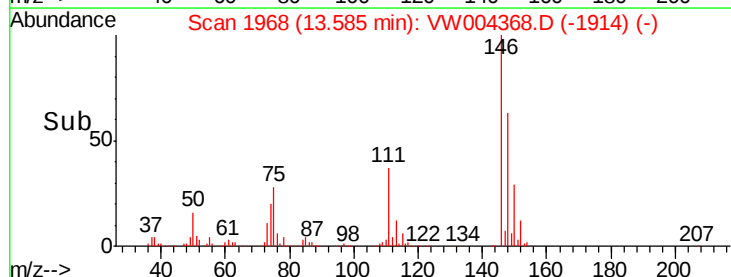
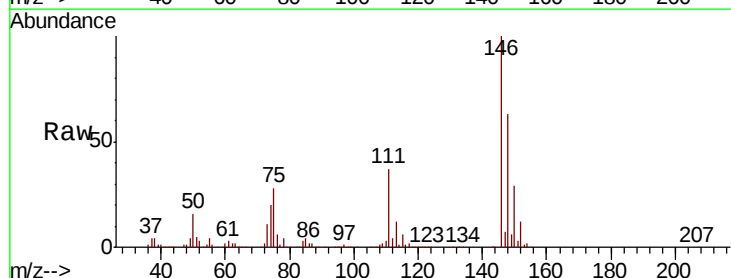
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB90

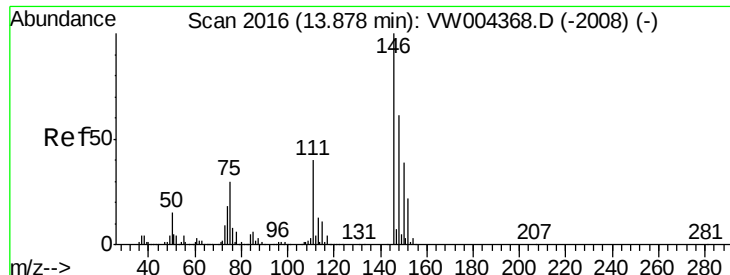
Tot Ion:146 Resp: 230320
 Ion Ratio Lower Upper
 146 100
 111 37.9 28.6 53.2
 148 59.7 47.7 88.5



#64
 1,4-Dichlorobenzene
 Concen: 23.185 ug/L
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW004368.D
 Acq: 01 Aug 2018 10:14

Tgt Ion:146 Resp: 240903
 Ion Ratio Lower Upper
 146 100
 111 37.2 25.4 47.2
 148 63.5 42.8 79.6

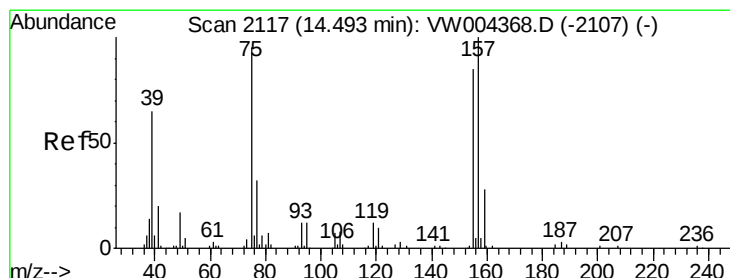
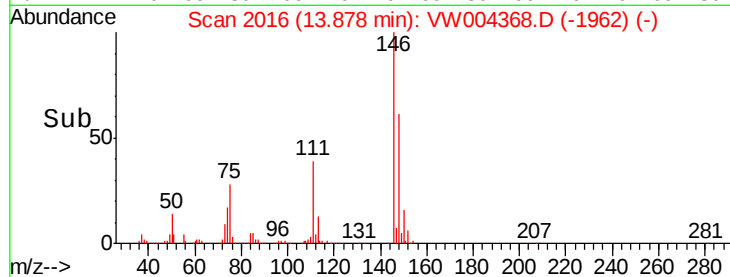
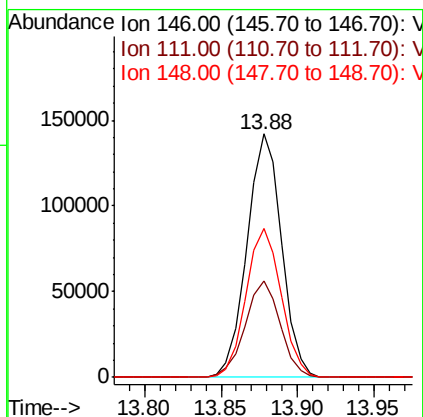
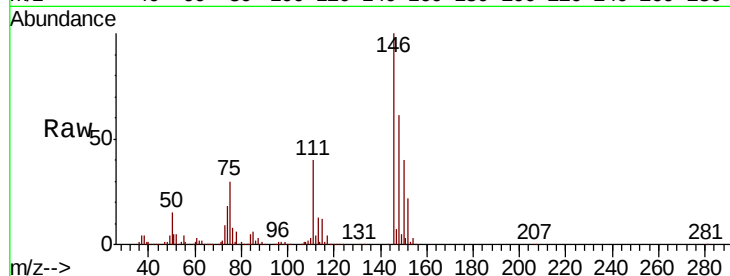




#65
 1,2-Dichlorobenzene
 Concen: 23.428 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004368.D
 Acq: 01 Aug 2018 10:14

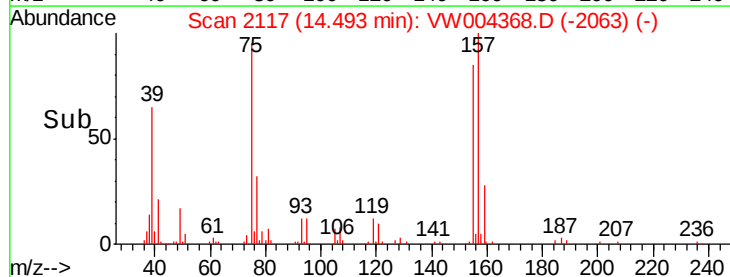
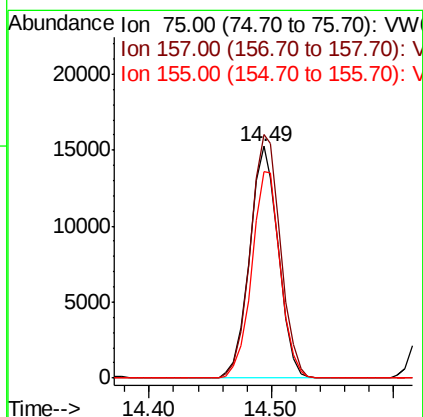
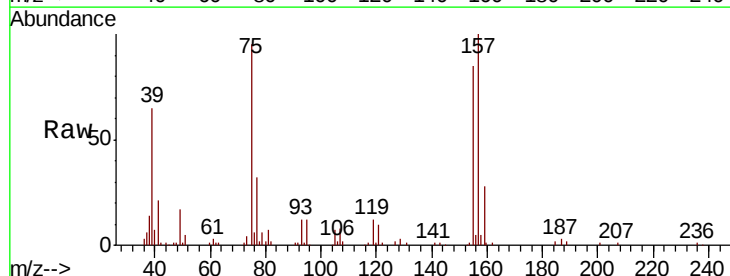
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB90

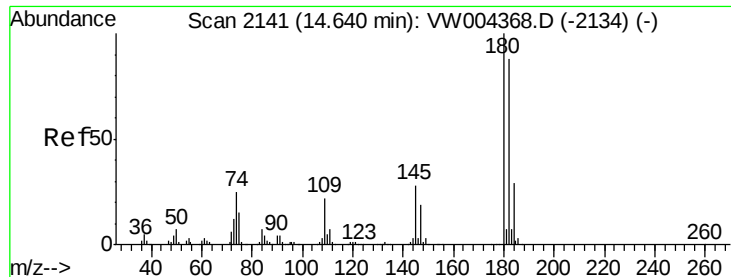
Tot Ion:146 Resp: 223682
 Ion Ratio Lower Upper
 146 100
 111 39.5 30.2 45.4
 148 61.4 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 26.385 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004368.D
 Acq: 01 Aug 2018 10:14

Tgt Ion: 75 Resp: 24822
 Ion Ratio Lower Upper
 75 100
 157 104.9 88.6 132.8
 155 89.1 71.8 107.6

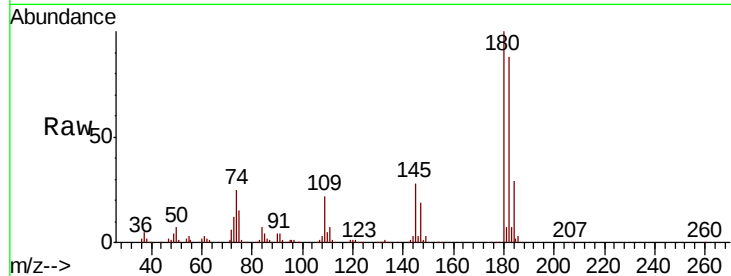




#67
 1,3,5-Trichlorobenzene
 Concen: 22.989 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW004368.D
 Acq: 01 Aug 2018 10:14

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB90

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	77.7	116.5
184	30.2	24.6	37.0
145	28.8	23.6	35.4



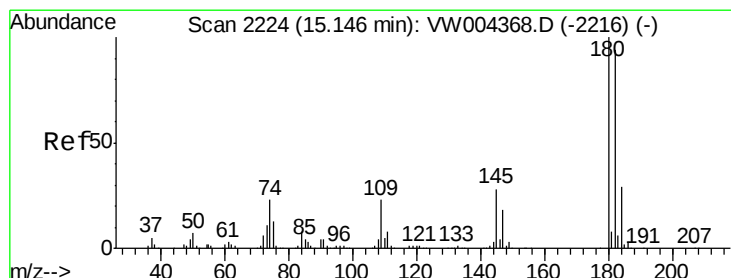
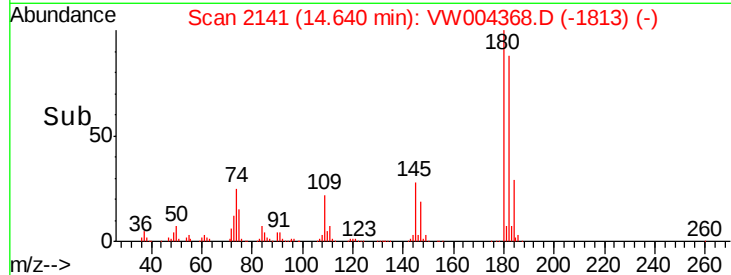
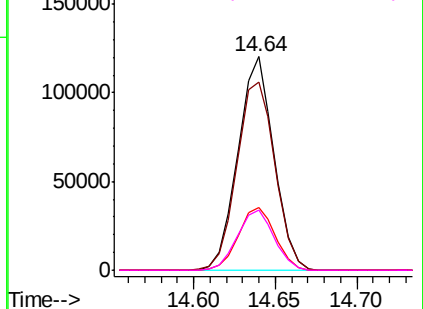
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

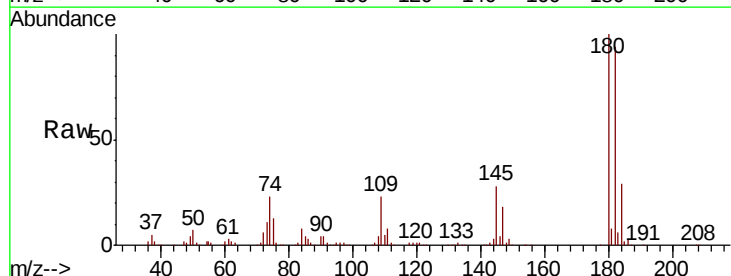
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 22.908 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004368.D
 Acq: 01 Aug 2018 10:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.5	113.3
145	28.9	24.2	36.2

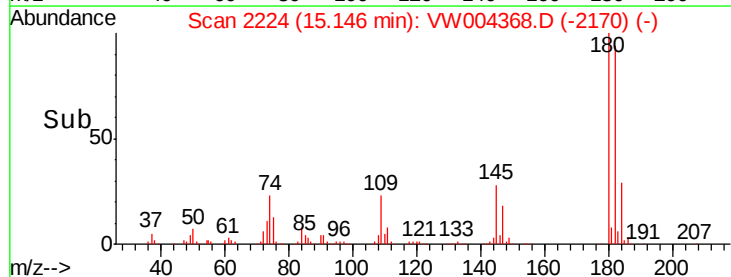
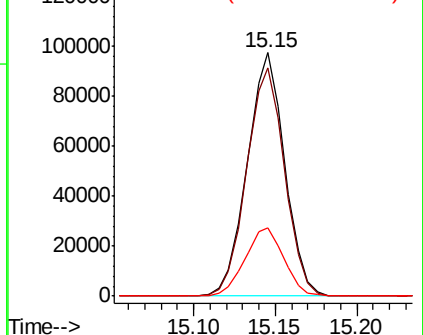


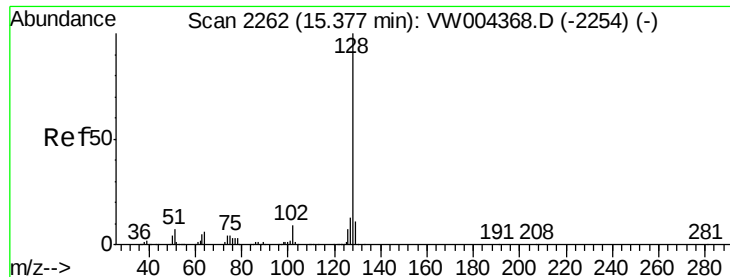
Abundance

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: 24.731 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004368.D

Acq: 01 Aug 2018 10:14

Instrument :

MSVOA_W

ClientSampleId :

BFB90

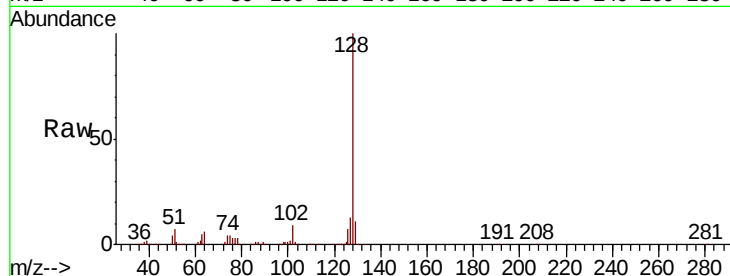
Tot Ion:128 Resp: 380052

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

127 12.9 10.4 15.6

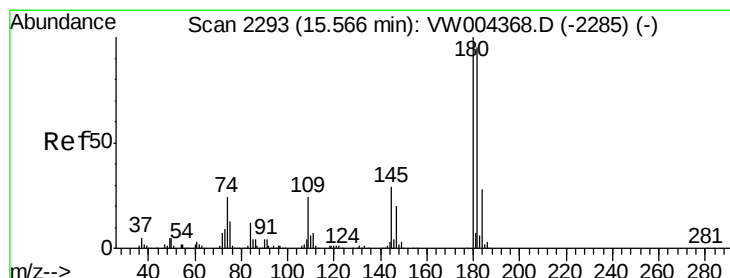
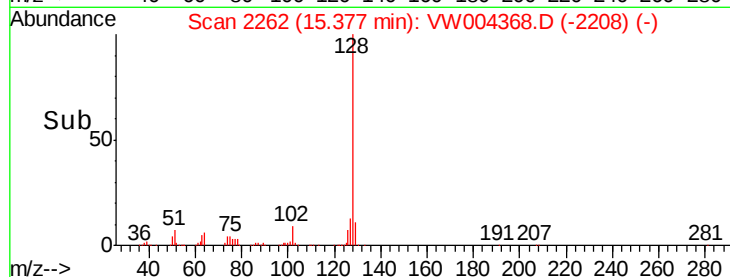
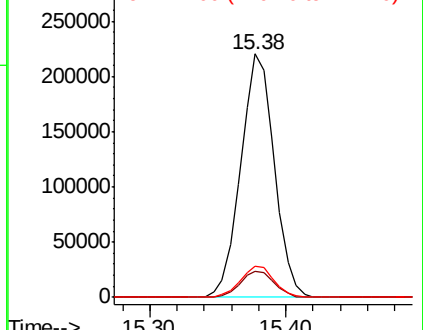


Abundance

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: 24.320 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW004368.D

Acq: 01 Aug 2018 10:14

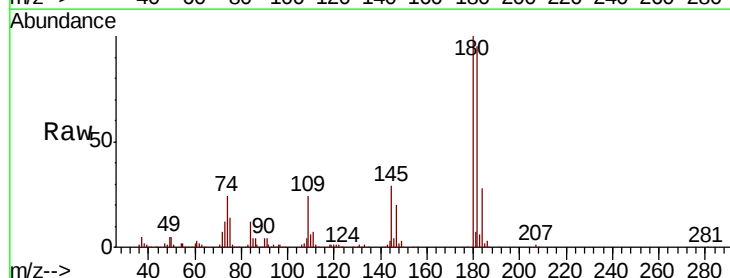
Tgt Ion:180 Resp: 153018

Ion Ratio Lower Upper

180 100

182 95.2 77.0 115.4

145 30.4 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

