

Data File : VW011918.D
Acq On : 15 Aug 2019 09:18
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB14

Quant Time: Aug 16 06:53:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis
QLast Update : Wed Aug 14 15:59:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	358610	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	315913	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	153061	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	144008	28.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	114.08%
7) Chloroethane-d5	2.89	69	105055	28.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	115.52%
10) 1,1-Dichloroethene-d2	4.02	63	317507	27.43	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	109.72%
20) 2-Butanone-d5	7.08	46	98752	43.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.86%
24) Chloroform-d	7.65	84	269785	27.39	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	109.56%
26) 1,2-Dichloroethane-d4	8.31	65	156718	26.89	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.56%
29) Benzene-d6	8.27	84	546834	27.53	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	110.12%
33) 1,2-Dichloropropane-d6	9.27	67	175816	27.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	109.68%
37) Toluene-d8	10.32	98	483649	27.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	109.72%
38) trans-1,3-Dichloropropene-	10.58	79	74350	26.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.80%
39) 2-Hexanone-d5	10.93	63	67988	45.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.78%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	127676	23.97	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.88%
61) 1,2-Dichlorobenzene-d4	13.85	152	153201	25.97	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.88%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	102490	25.501	ug/L	98
3) Chloromethane	2.21	50	119558	22.870	ug/L	100
5) Vinyl chloride	2.36	62	159899	23.973	ug/L	100
6) Bromomethane	2.78	94	75402	23.979	ug/L	99
8) Chloroethane	2.92	64	88231	25.293	ug/L	100
9) Trichlorofluoromethane	3.26	101	88665	26.096	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	130896	25.411	ug/L	98
12) 1,1-Dichloroethene	4.04	96	125567	24.379	ug/L	82
13) Acetone	4.14	43	94308	38.728	ug/L	95
14) Carbon disulfide	4.39	76	383772	22.877	ug/L	100
15) Methyl Acetate	4.67	43	83030	20.854	ug/L	100
16) Methylene chloride	4.92	84	134786	24.085	ug/L	99
17) Methyl tert-butyl Ether	5.42	73	211336	24.639	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	130279	24.482	ug/L	99
19) 1,1-Dichloroethane	6.21	63	271096	25.502	ug/L	99
21) 2-Butanone	7.17	43	121879	39.919	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	140931	25.314	ug/L	97

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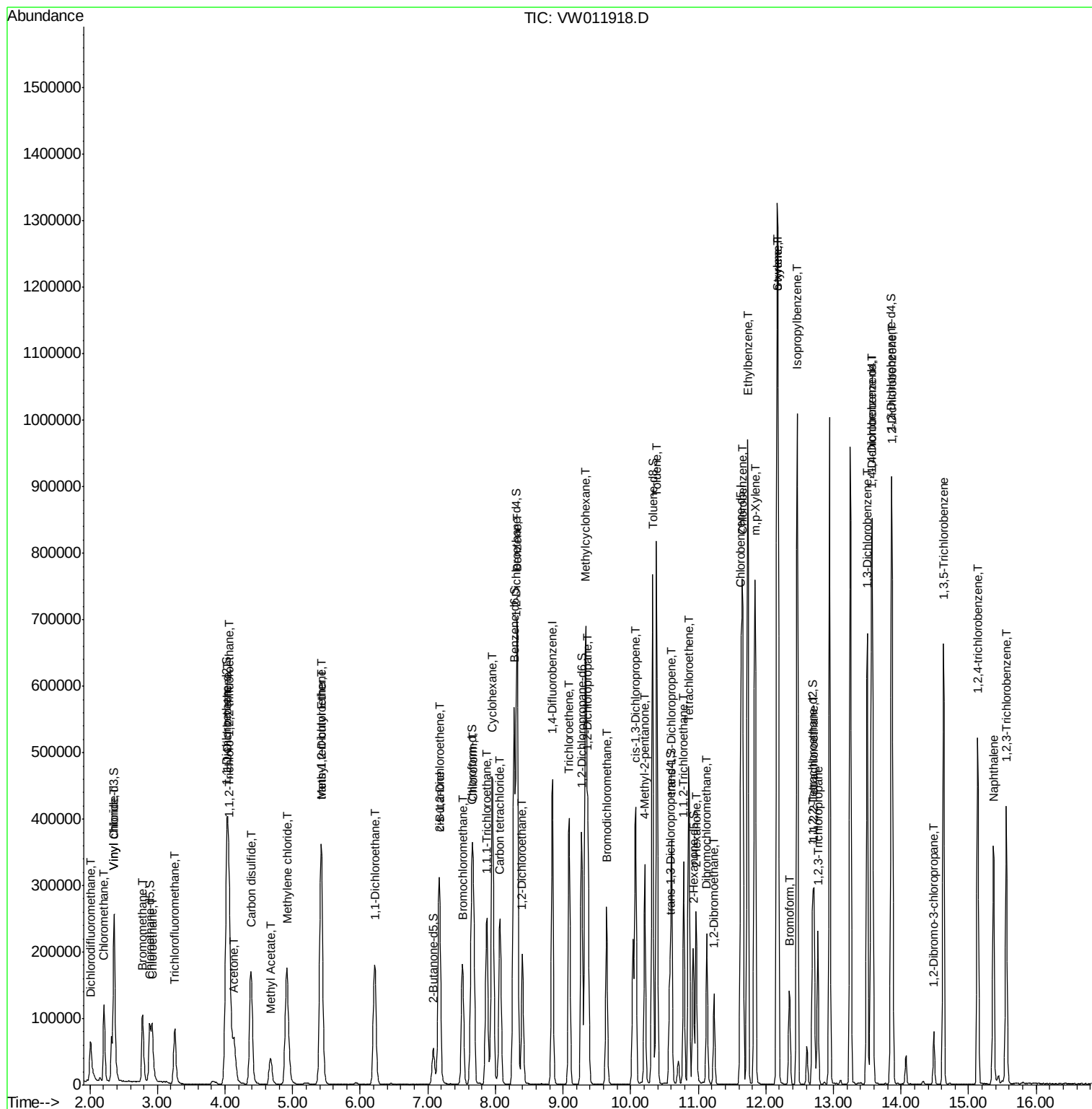
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	58371	24.642	ug/L	97
25) Chloroform	7.67	83	249771	25.492	ug/L	99
27) 1,2-Dichloroethane	8.40	62	180751	24.920	ug/L	97
30) Cyclohexane	7.95	56	269623	24.553	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	200650	26.066	ug/L	99
32) Carbon tetrachloride	8.07	117	186963	25.818	ug/L	99
34) Benzene	8.32	78	564239	25.487	ug/L	100
35) Trichloroethene	9.09	95	141685	25.210	ug/L	99
36) Methylcyclohexane	9.34	83	248158	24.339	ug/L	99
40) 1,2-Dichloropropane	9.37	63	151433	25.626	ug/L	100
41) Bromodichloromethane	9.65	83	180065	25.822	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	229359	25.949	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	234590	43.814	ug/L	100
44) Toluene	10.39	91	577469	25.675	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	186808	25.402	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	97041	24.086	ug/L	98
47) Tetrachloroethene	10.86	164	106242	24.749	ug/L	97
49) 2-Hexanone	10.97	43	177821	43.108	ug/L	99
50) Dibromochloromethane	11.13	129	112226	25.272	ug/L	98
51) 1,2-Dibromoethane	11.23	107	93842	23.937	ug/L	97
52) Chlorobenzene	11.66	112	341984	25.202	ug/L	99
53) Ethylbenzene	11.73	91	649993	25.914	ug/L	100
54) m,p-Xylene	11.84	106	235019	25.768	ug/L	96
55) o-xylene	12.16	106	222297	25.898	ug/L	97
56) Styrene	12.18	104	386302	26.471	ug/L	99
57) Isopropylbenzene	12.46	105	616081	26.089	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	123541	23.074	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	93520	22.647	ug/L	99
62) Bromoform	12.35	173	64016	23.377	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	260337	25.060	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	258210	24.751	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	234635	24.943	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	20277	20.827	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	192579	25.186	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	159381	25.882	ug/L	98
69) Naphthalene	15.36	128	290421	23.419	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	141406	24.794	ug/L	100

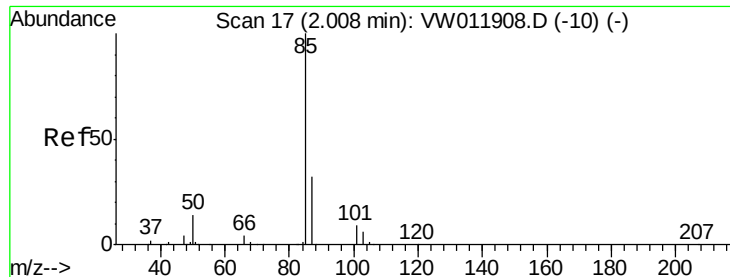
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 25.501 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011918.D

Acq: 15 Aug 2019 09:18

Instrument :

MSVOA_W

ClientSampleId :

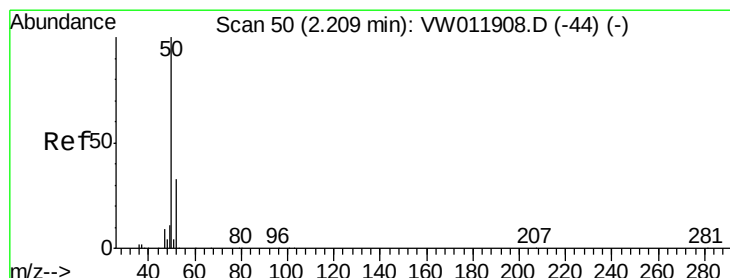
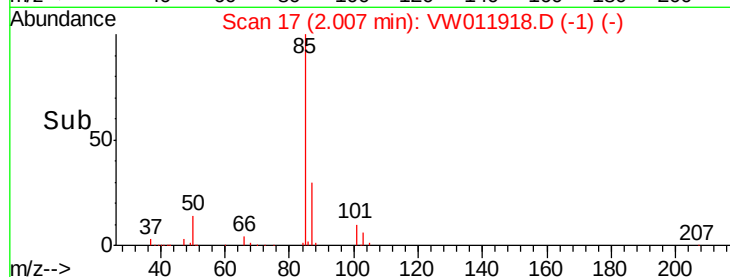
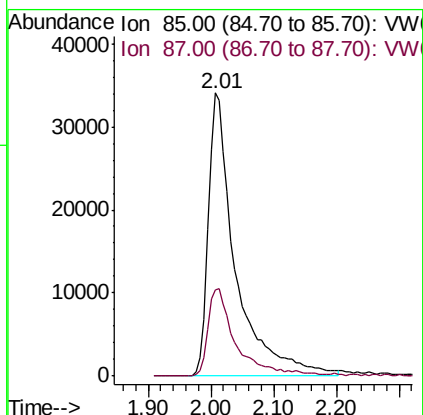
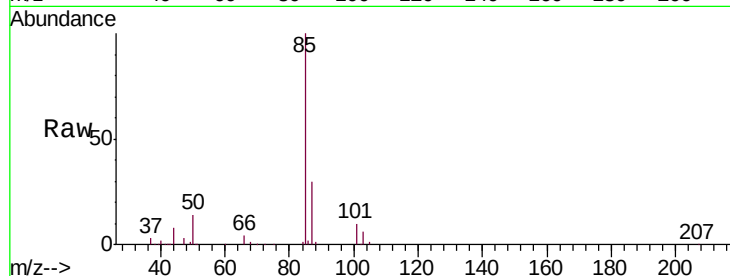
BFB14

Tgt Ion: 85 Resp: 102490

Ion Ratio Lower Upper

85 100

87 30.1 21.8 40.6



#3

Chloromethane

Concen: 22.870 ug/L

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011918.D

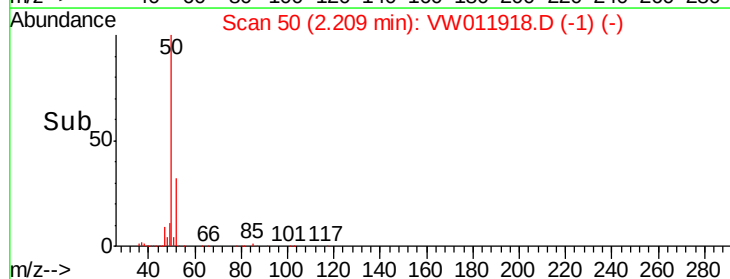
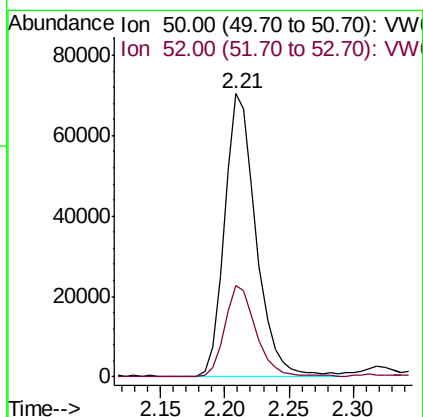
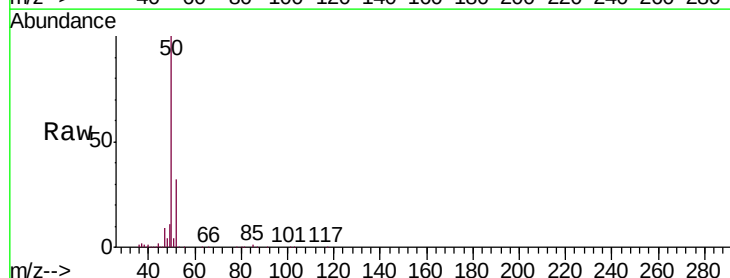
Acq: 15 Aug 2019 09:18

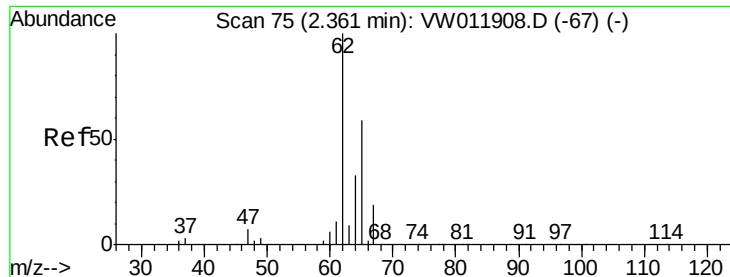
Tgt Ion: 50 Resp: 119558

Ion Ratio Lower Upper

50 100

52 32.4 22.7 42.1





#5

Vinyl chloride

Concen: 23.973 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW011918.D

Acq: 15 Aug 2019 09:18

Instrument :

MSVOA_W

ClientSampleId :

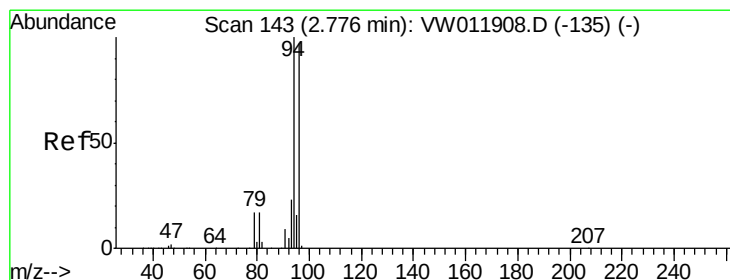
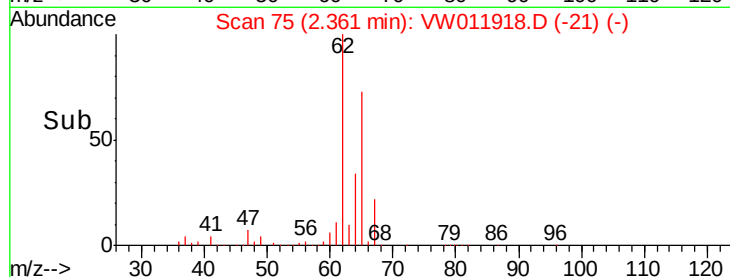
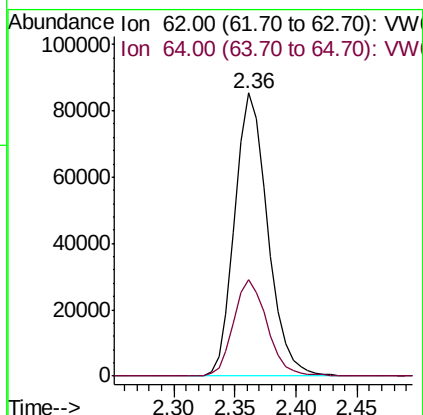
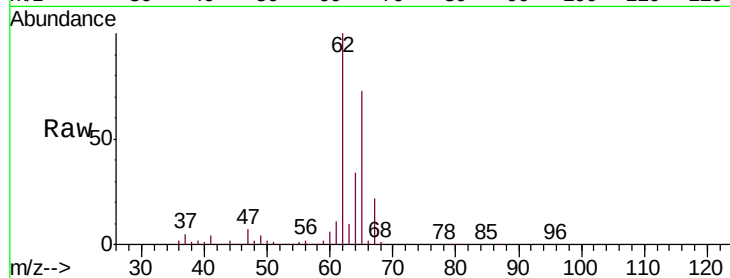
BFB14

Tgt Ion: 62 Resp: 159899

Ion Ratio Lower Upper

62 100

64 33.9 23.6 43.8



#6

Bromomethane

Concen: 23.979 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW011918.D

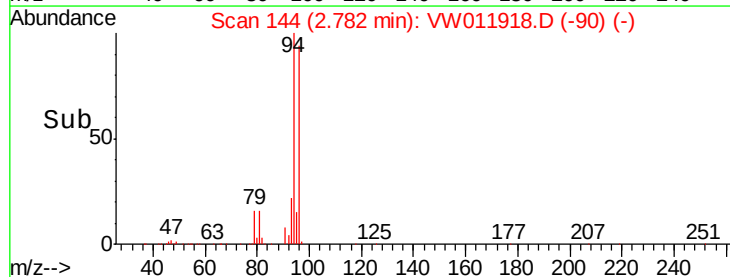
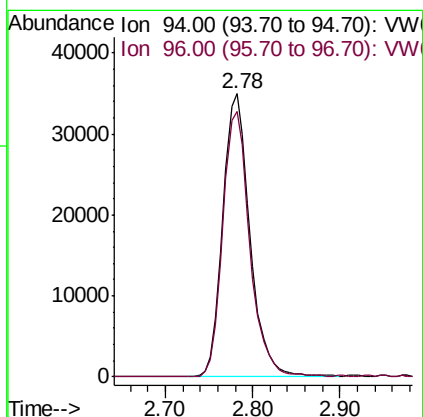
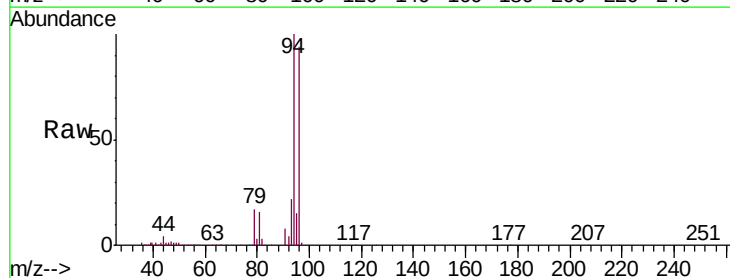
Acq: 15 Aug 2019 09:18

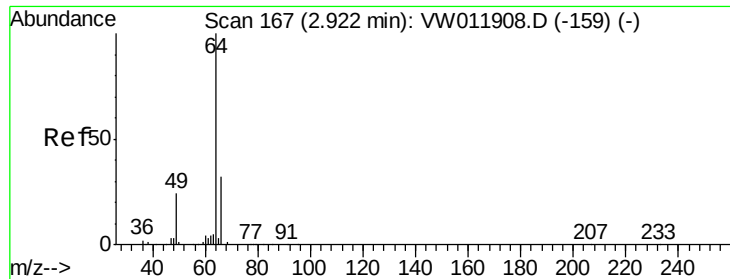
Tgt Ion: 94 Resp: 75402

Ion Ratio Lower Upper

94 100

96 93.2 9.3 175.9





#8

Chloroethane

Concen: 25.293 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW011918.D

Acq: 15 Aug 2019 09:18

Instrument :

MSVOA_W

ClientSampleId :

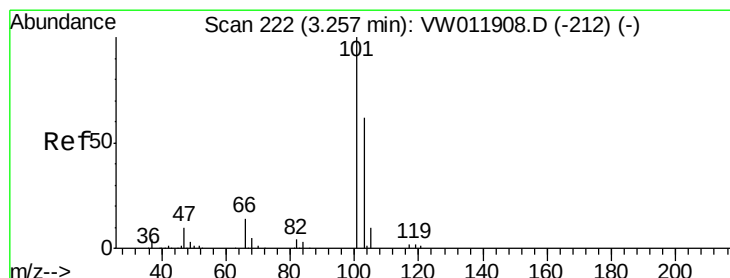
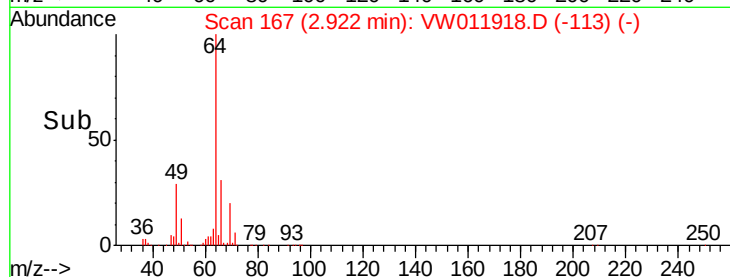
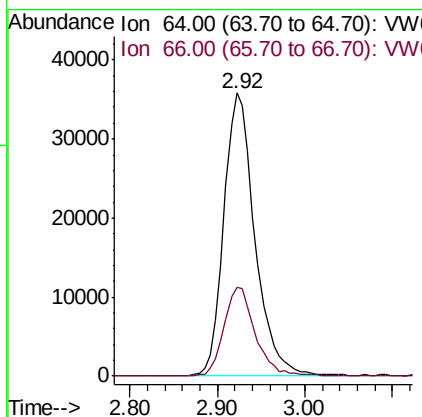
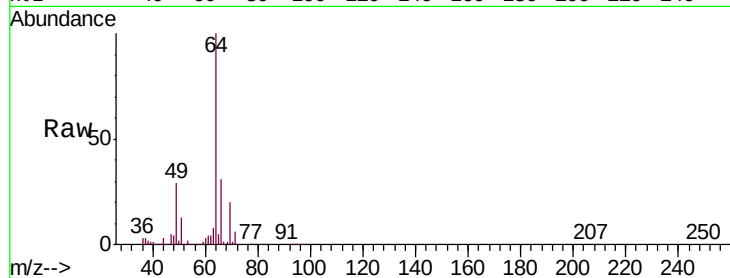
BFB14

Tgt Ion: 64 Resp: 88231

Ion Ratio Lower Upper

64 100

66 31.4 22.0 40.8



#9

Trichlorofluoromethane

Concen: 26.096 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW011918.D

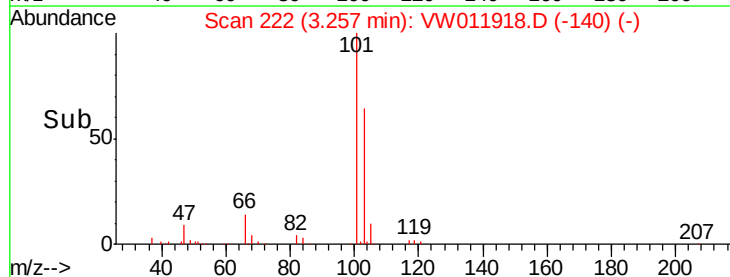
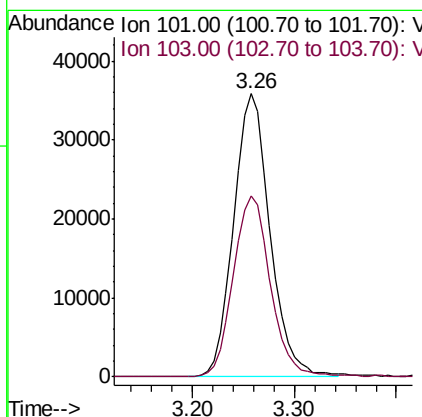
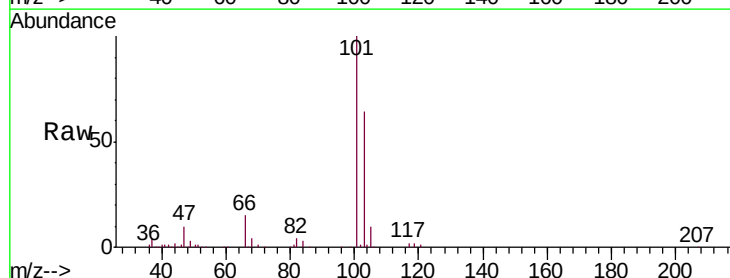
Acq: 15 Aug 2019 09:18

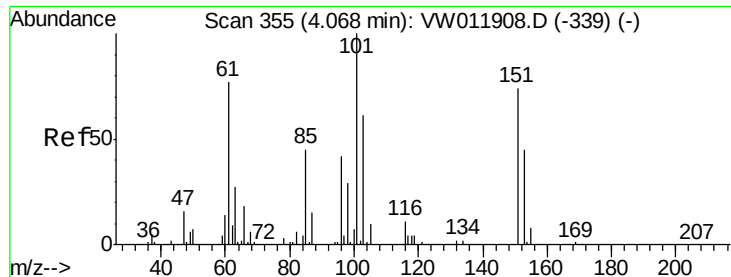
Tgt Ion: 101 Resp: 88665

Ion Ratio Lower Upper

101 100

103 65.0 44.3 82.3





#11

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

Concen: 25.411 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW011918.D

Acq: 15 Aug 2019 09:18

Instrument :

MSVOA_W

ClientSampleId :

BFB14

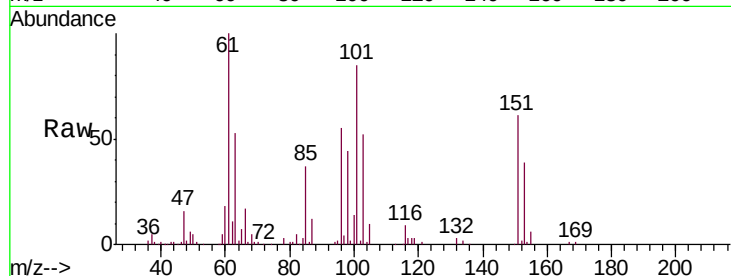
Tgt Ion: 101 Resp: 130896

Ion Ratio Lower Upper

101 100

85 45.0 37.0 55.4

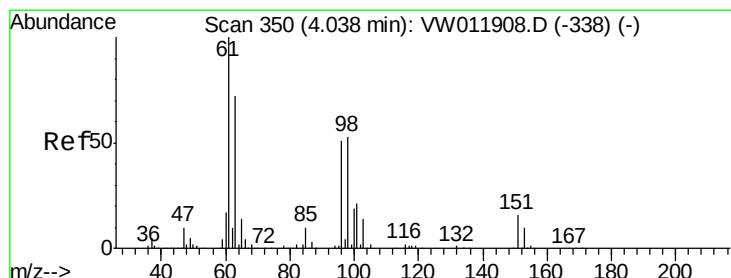
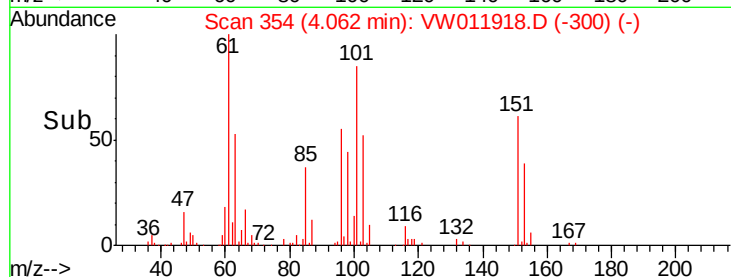
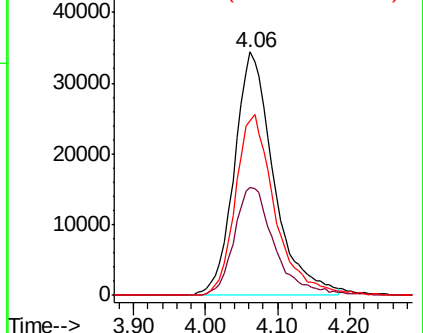
151 74.0 60.8 91.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 24.379 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW011918.D

Acq: 15 Aug 2019 09:18

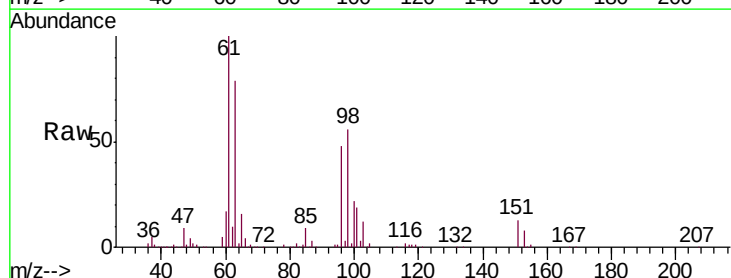
Tgt Ion: 96 Resp: 125567

Ion Ratio Lower Upper

96 100

61 206.7 135.0 250.8

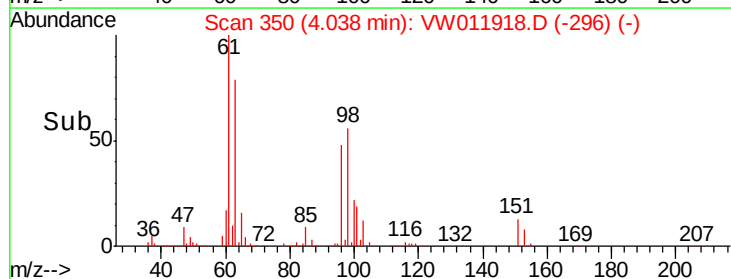
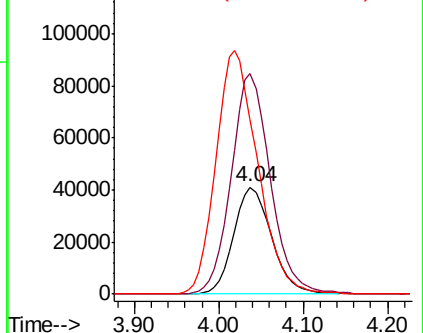
63 163.6 89.2 165.8

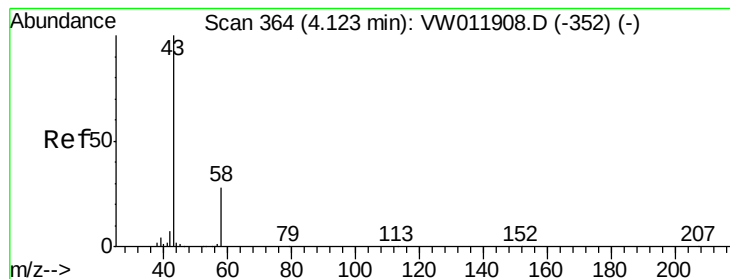


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 38.728 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

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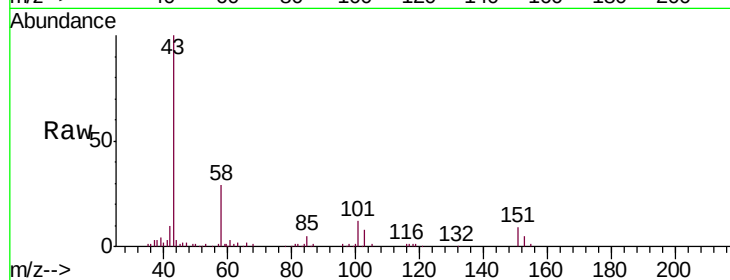
BFB14

Tgt Ion: 43 Resp: 94308

Ion Ratio Lower Upper

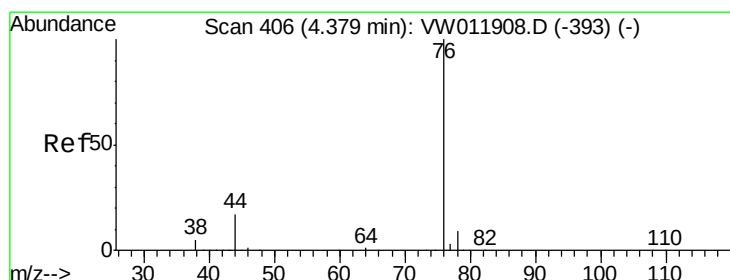
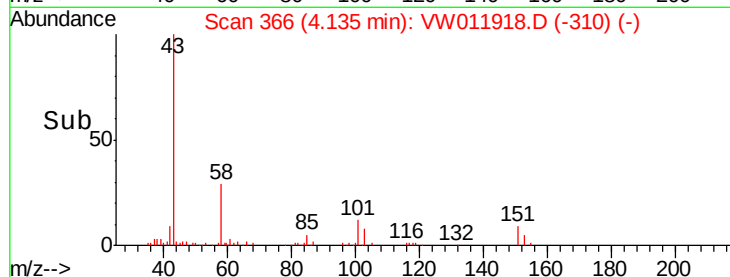
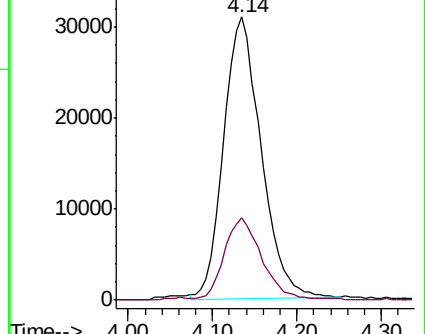
43 100

58 29.0 0.0 53.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 22.877 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW011918.D

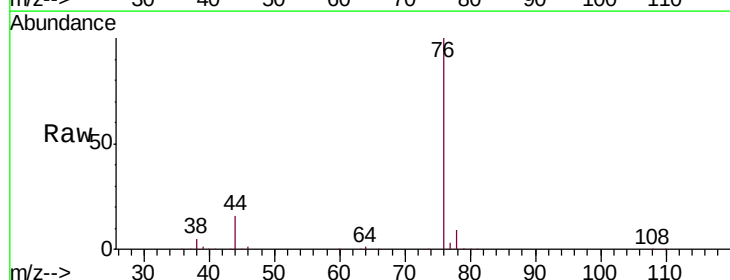
Acq: 15 Aug 2019 09:18

Tgt Ion: 76 Resp: 383772

Ion Ratio Lower Upper

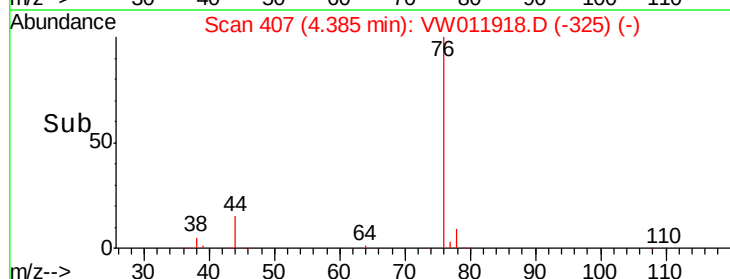
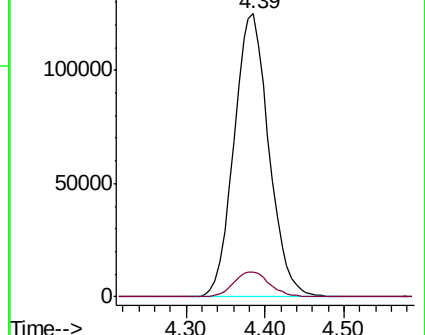
76 100

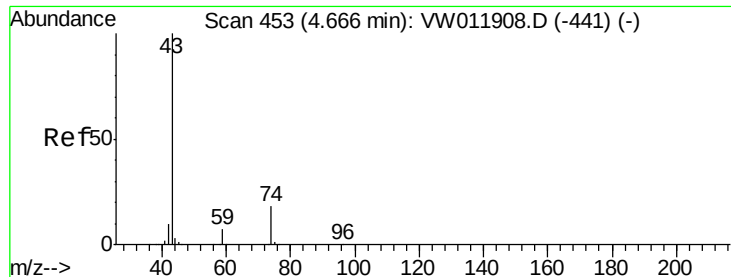
78 8.9 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methyl Acetate

Concen: 20.854 ug/L

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW011918.D

Acq: 15 Aug 2019 09:18

Instrument :

MSVOA_W

ClientSampled :

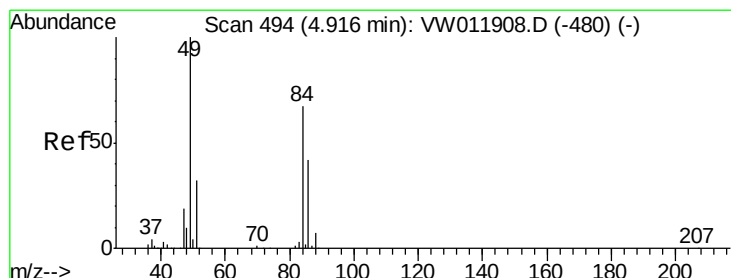
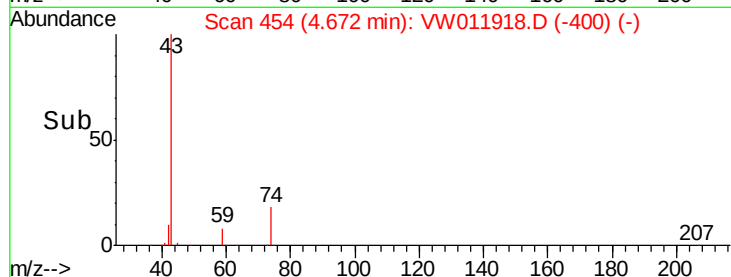
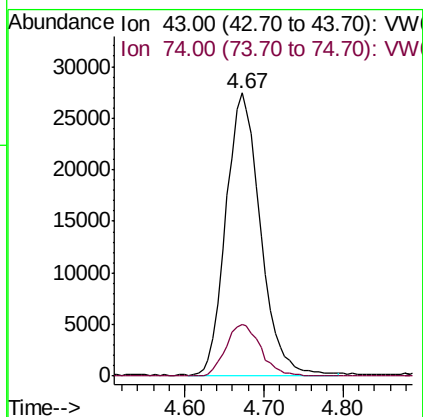
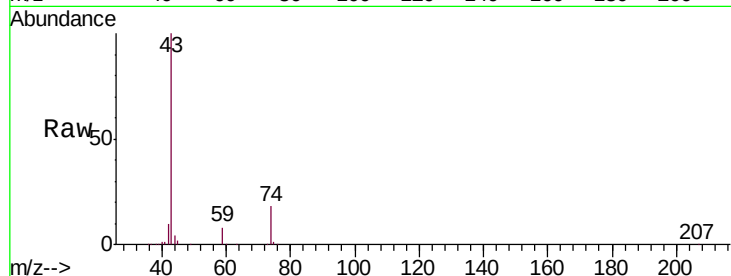
BFB14

Tgt Ion: 43 Resp: 83030

Ion Ratio Lower Upper

43 100

74 18.6 15.0 22.4



#16

Methylene chloride

Concen: 24.085 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW011918.D

Acq: 15 Aug 2019 09:18

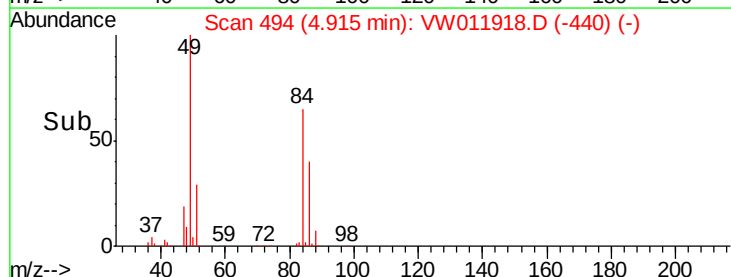
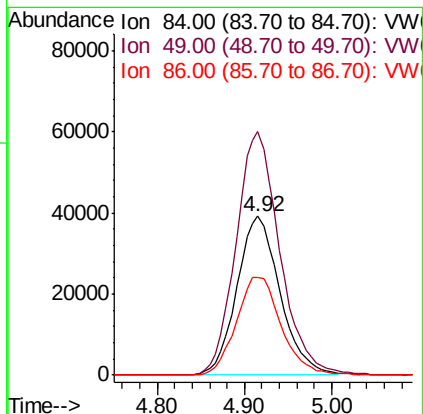
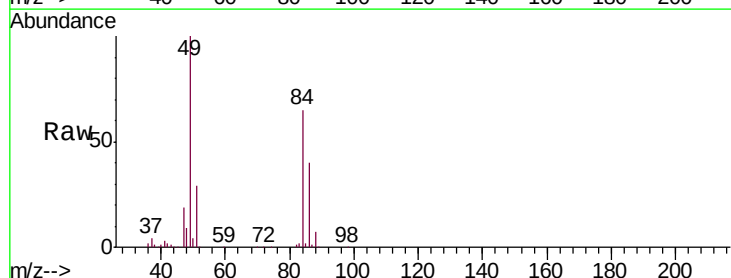
Tgt Ion: 84 Resp: 134786

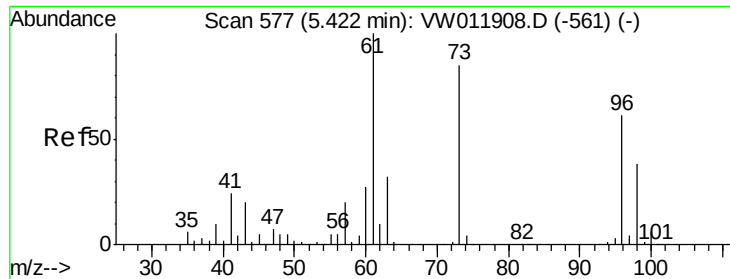
Ion Ratio Lower Upper

84 100

49 153.3 106.8 198.4

86 61.6 42.8 79.4

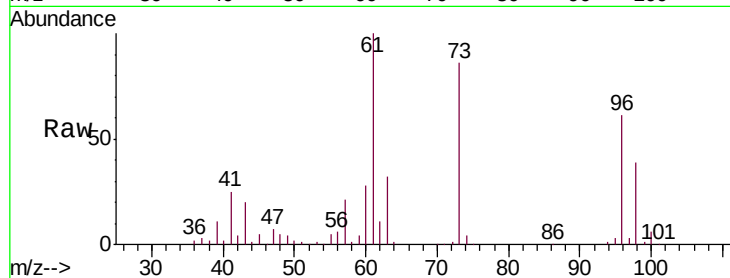




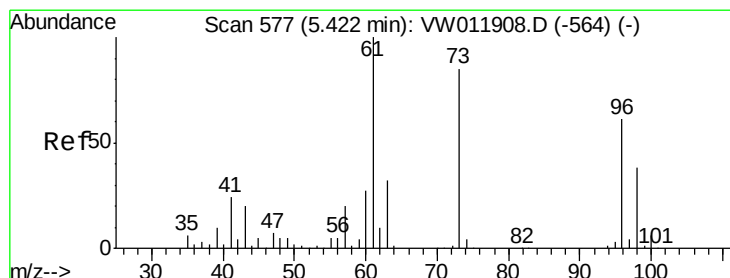
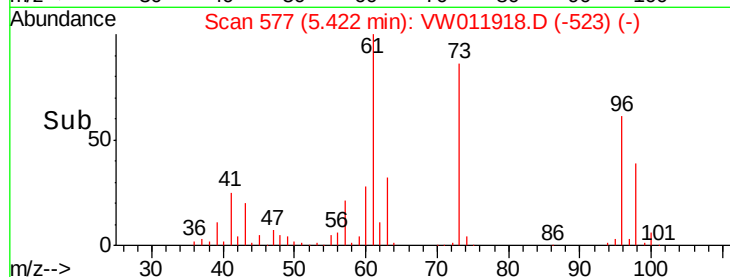
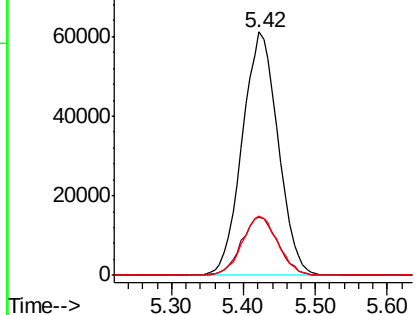
#17
Methyl tert-butyl Ether
Concen: 24.639 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011918.D
Acq: 15 Aug 2019 09:18

Instrument :
MSVOA_W
ClientSampleId :
BFB14

Tgt Ion: 73 Resp: 211336
Ion Ratio Lower Upper
73 100
43 24.3 19.3 28.9
57 24.2 19.7 29.5

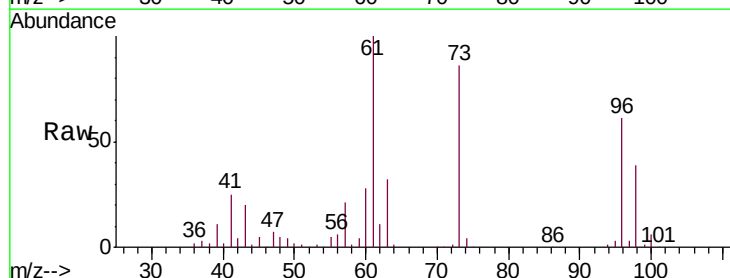


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

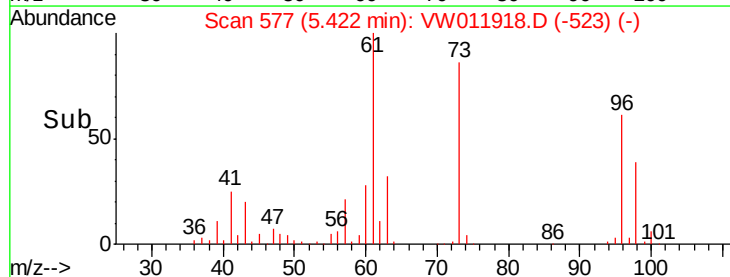
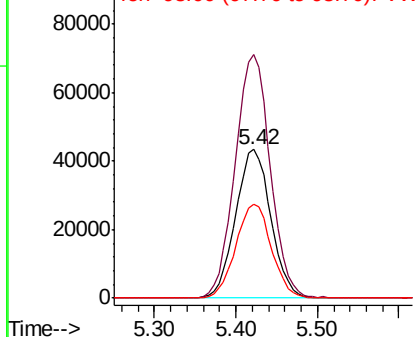


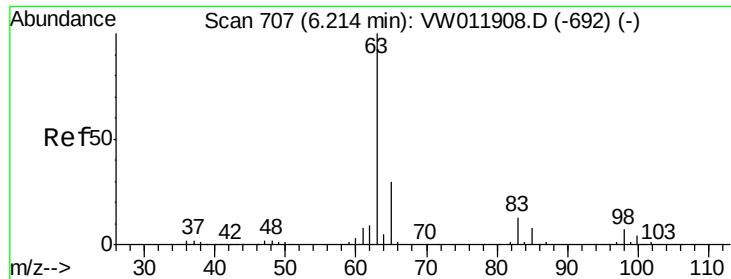
#18
trans-1,2-Dichloroethene
Concen: 24.482 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011918.D
Acq: 15 Aug 2019 09:18

Tgt Ion: 96 Resp: 130279
Ion Ratio Lower Upper
96 100
61 163.8 114.2 212.0
98 63.6 45.6 84.6



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

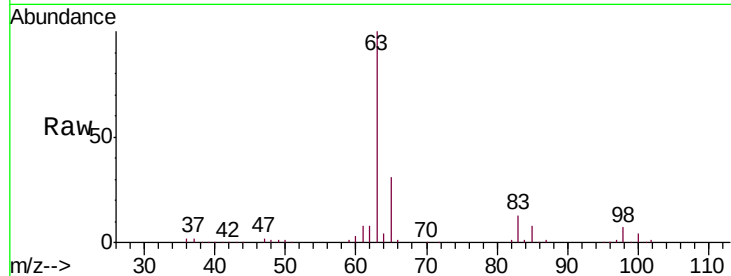




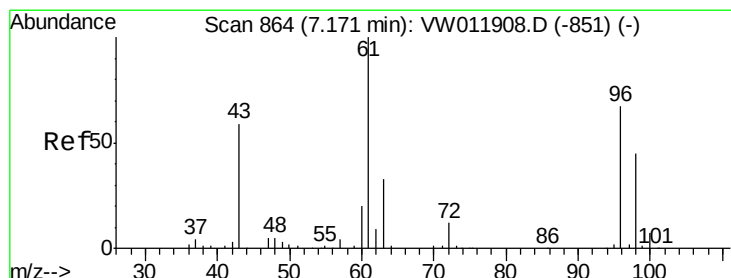
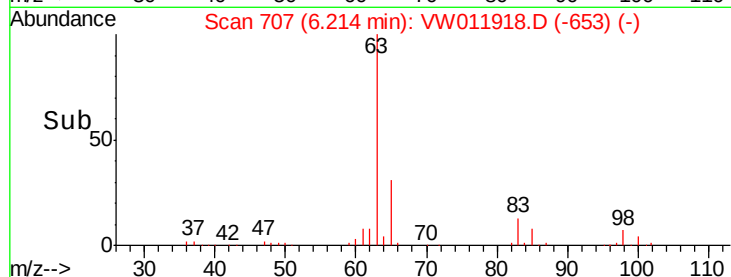
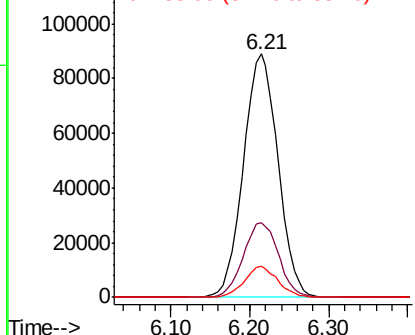
#19
 1,1-Dichloroethane
 Concen: 25.502 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW011918.D
 Acq: 15 Aug 2019 09:18

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB14

Tgt Ion: 63 Resp: 271096
 Ion Ratio Lower Upper
 63 100
 65 30.8 21.7 40.3
 83 12.7 8.4 15.6

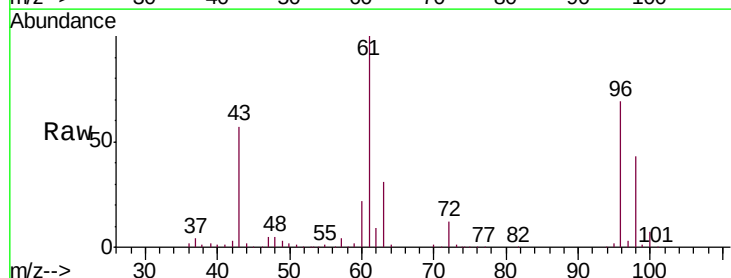


Abundance Ion 63.00 (62.70 to 63.70): VW
 120000 Ion 65.00 (64.70 to 65.70): VW
 100000 Ion 83.00 (82.70 to 83.70): VW

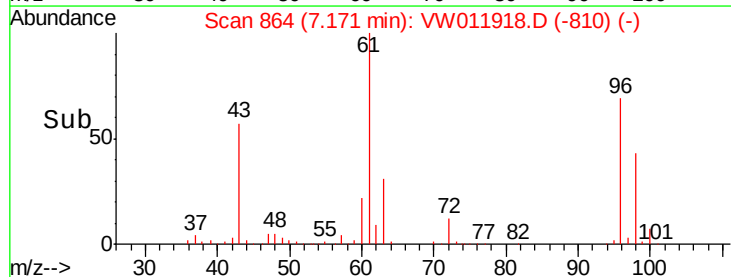
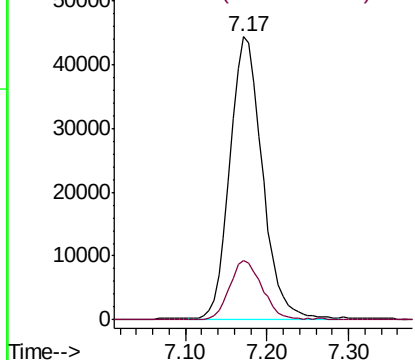


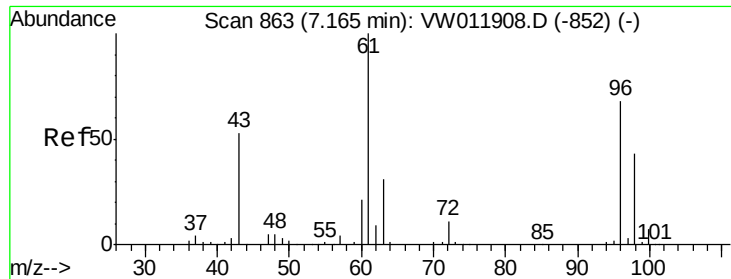
#21
 2-Butanone
 Concen: 39.919 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW011918.D
 Acq: 15 Aug 2019 09:18

Tgt Ion: 43 Resp: 121879
 Ion Ratio Lower Upper
 43 100
 72 21.1 10.7 32.1



Abundance Ion 43.00 (42.70 to 43.70): VW
 50000 Ion 72.00 (71.70 to 72.70): VW



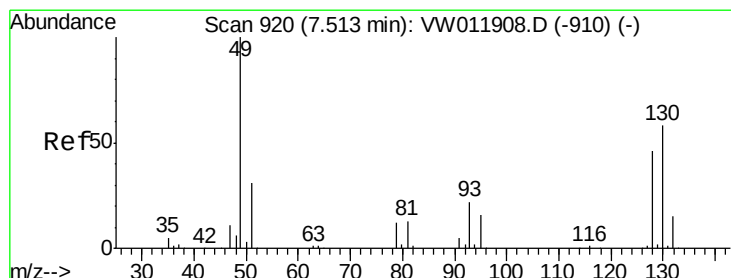
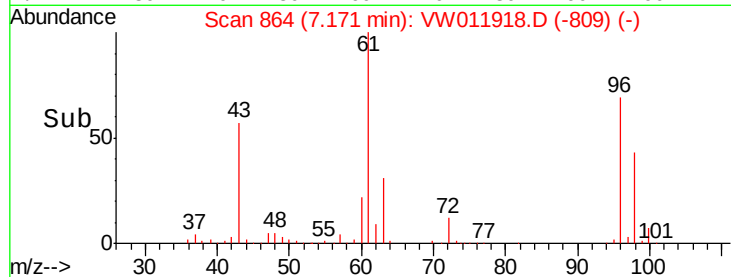
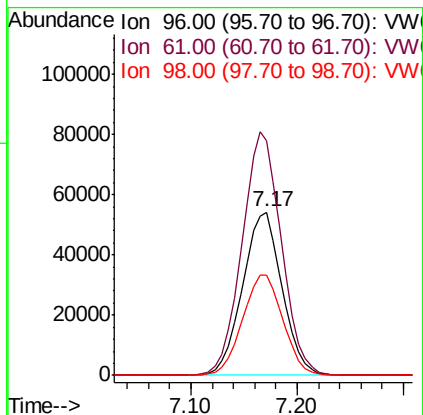
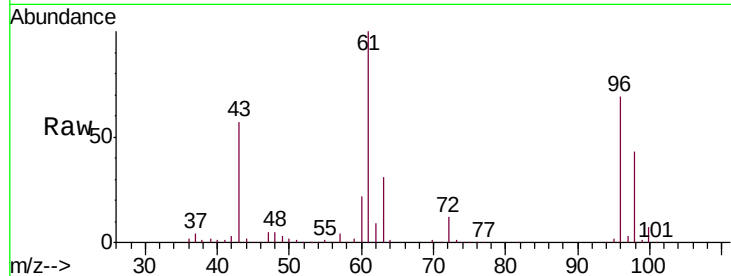


#22

cis-1,2-Dichloroethene
 Concen: 25.314 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW011918.D
 Acq: 15 Aug 2019 09:18

Instrument :
 MSVOA_W
 ClientSampled :
 BFB14

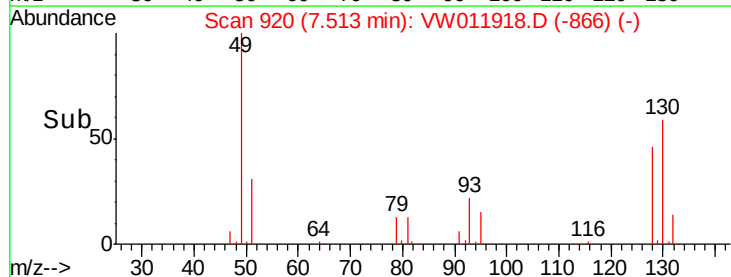
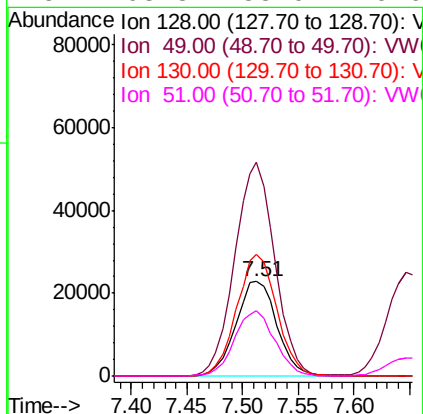
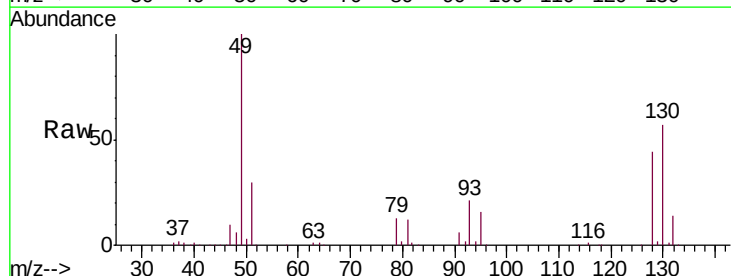
Tgt Ion: 96 Resp: 140931
 Ion Ratio Lower Upper
 96 100
 61 143.9 103.9 192.9
 98 61.6 43.5 80.9

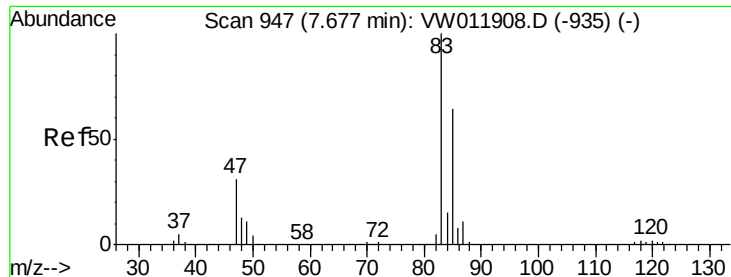


#23

Bromochloromethane
 Concen: 24.642 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW011918.D
 Acq: 15 Aug 2019 09:18

Tgt Ion: 128 Resp: 58371
 Ion Ratio Lower Upper
 128 100
 49 226.3 153.6 285.3
 130 129.5 89.5 166.3
 51 68.8 53.0 79.6

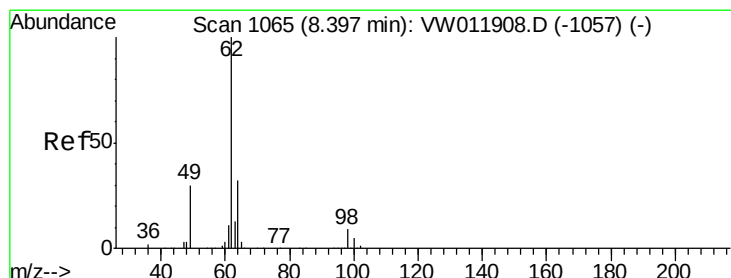
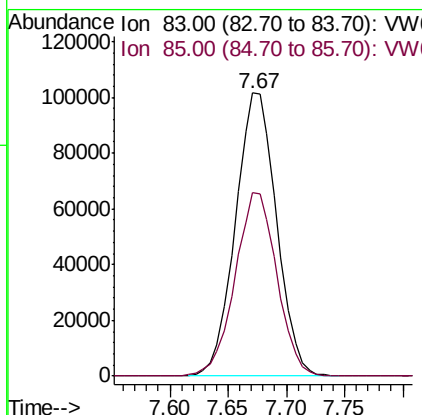
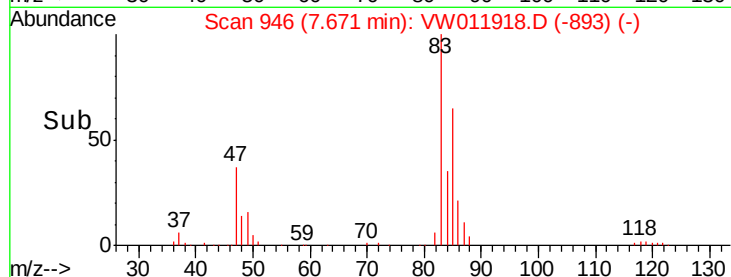
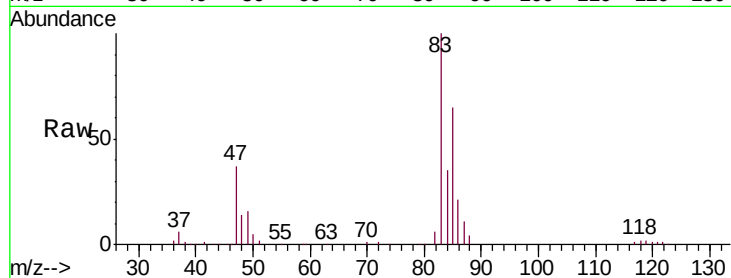




#25
Chloroform
Concen: 25.492 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011918.D
Acq: 15 Aug 2019 09:18

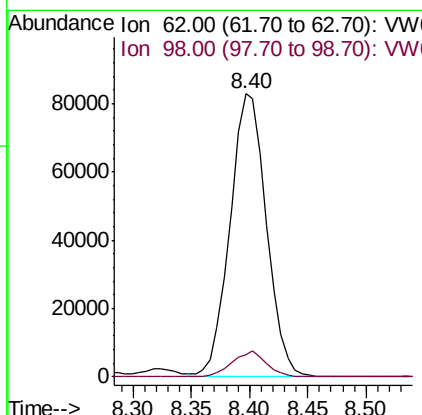
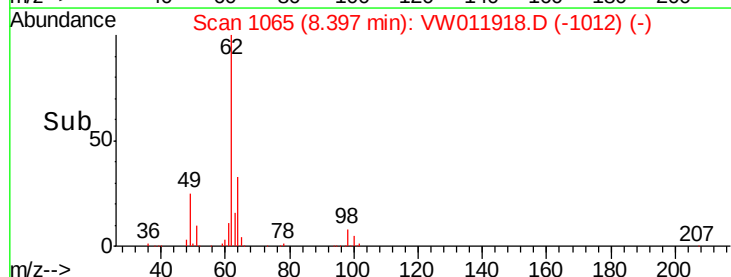
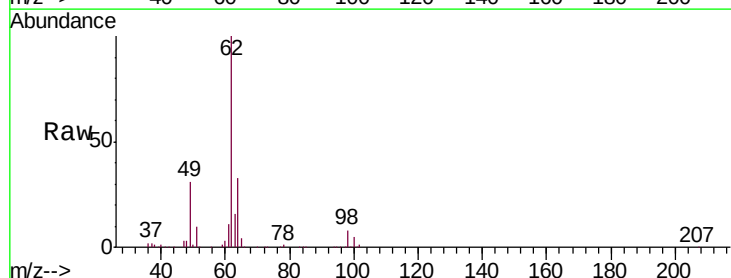
Instrument :
MSVOA_W
ClientSampled :
BFB14

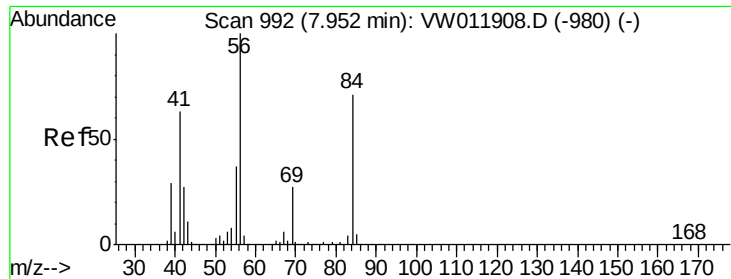
Tgt Ion: 83 Resp: 249771
Ion Ratio Lower Upper
83 100
85 65.9 45.4 84.2



#27
1,2-Dichloroethane
Concen: 24.920 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW011918.D
Acq: 15 Aug 2019 09:18

Tgt Ion: 62 Resp: 180751
Ion Ratio Lower Upper
62 100
98 8.1 7.2 10.8

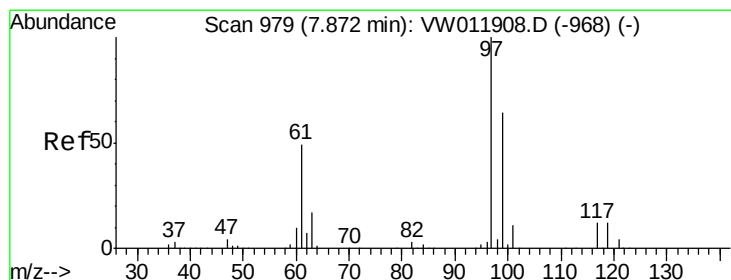
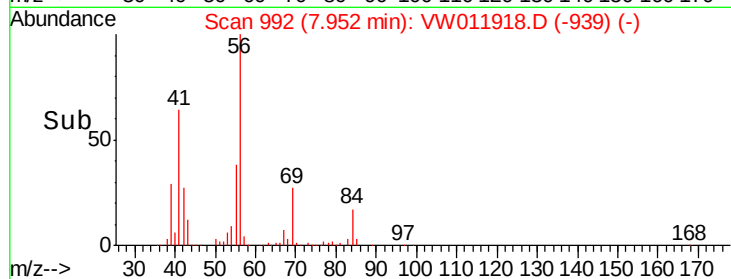
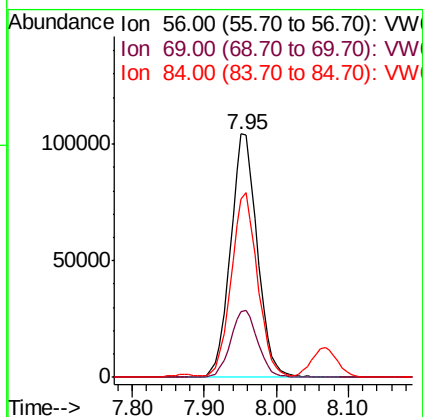
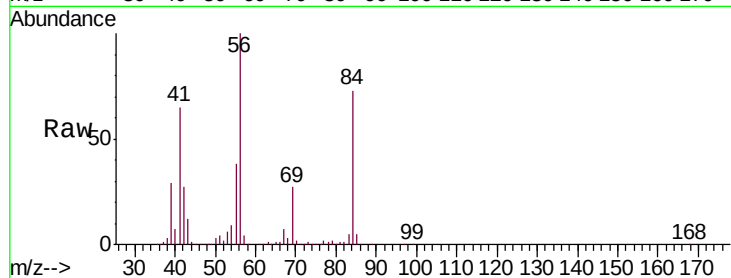




#30
Cyclohexane
Concen: 24.553 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW011918.D
Acq: 15 Aug 2019 09:18

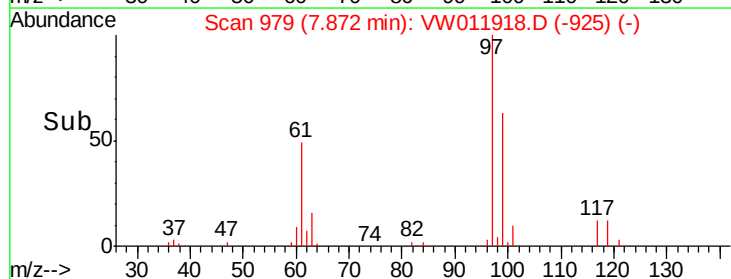
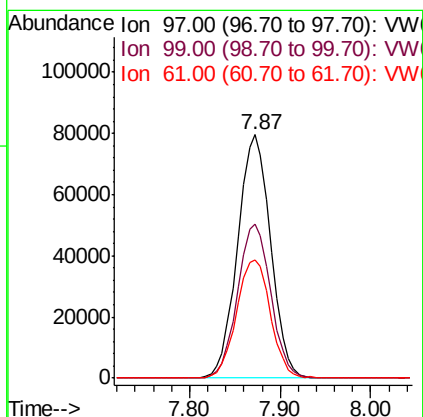
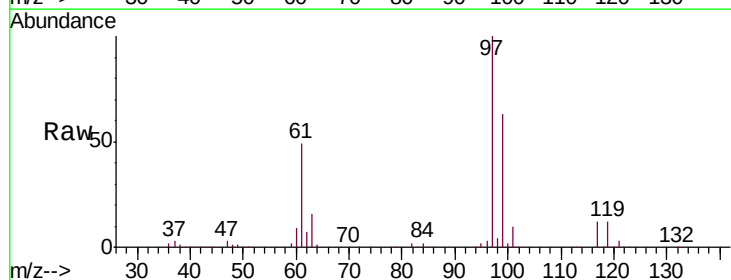
Instrument :
MSVOA_W
ClientSampled :
BFB14

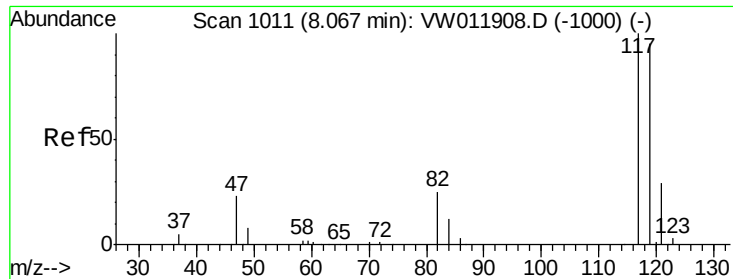
Tgt Ion	Ratio	Lower	Upper
56	100		
69	28.0	22.4	33.6
84	74.5	60.6	91.0



#31
1,1,1-Trichloroethane
Concen: 26.066 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW011918.D
Acq: 15 Aug 2019 09:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	52.1	78.1
61	50.0	40.3	60.5





#32

Carbon tetrachloride

Concen: 25.818 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW011918.D

Acq: 15 Aug 2019 09:18

Instrument :

MSVOA_W

ClientSampleId :

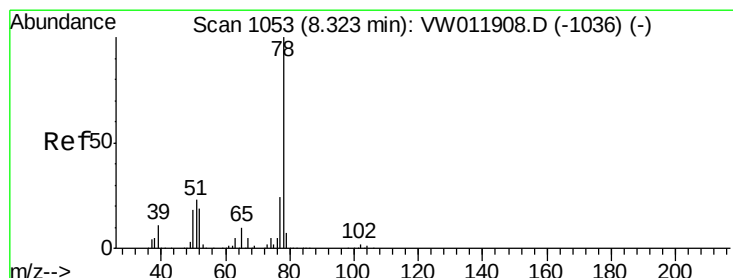
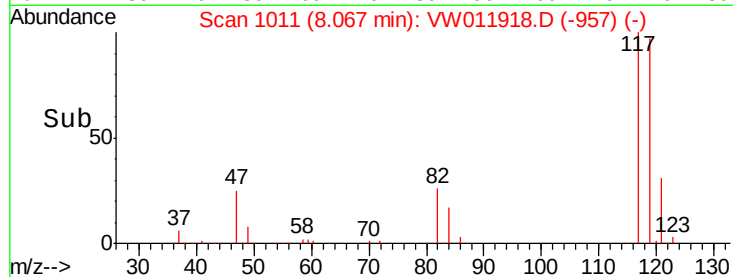
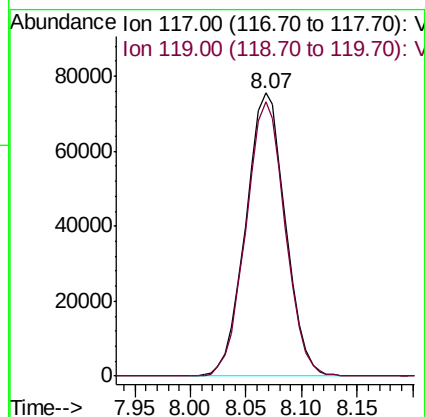
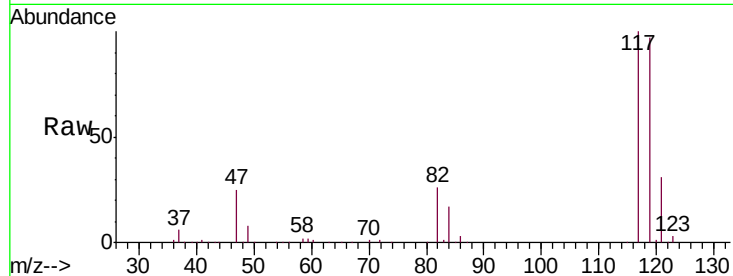
BFB14

Tgt Ion:117 Resp: 186963

Ion Ratio Lower Upper

117 100

119 96.1 76.2 114.4



#34

Benzene

Concen: 25.487 ug/L

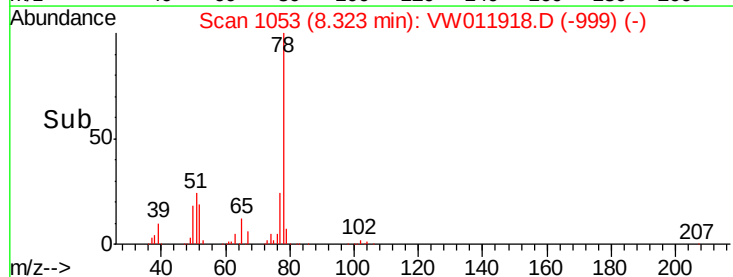
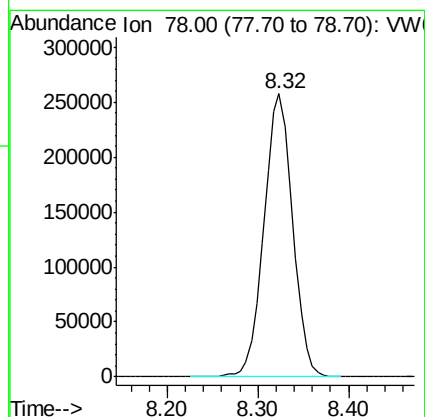
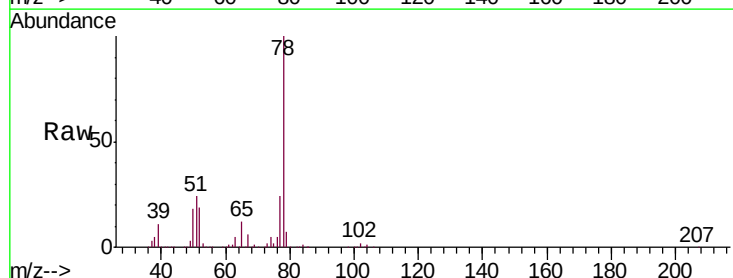
RT: 8.32 min Scan# 1053

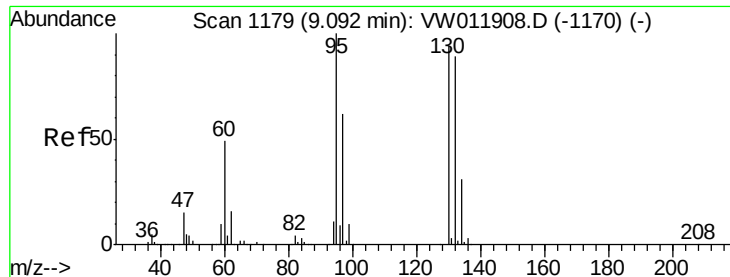
Delta R.T. 0.00 min

Lab File: VW011918.D

Acq: 15 Aug 2019 09:18

Tgt Ion: 78 Resp: 564239





#35

Trichloroethene

Concen: 25.210 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW011918.D

Acq: 15 Aug 2019 09:18

Instrument :

MSVOA_W

ClientSampled :

BFB14

Tgt Ion: 95 Resp: 141685

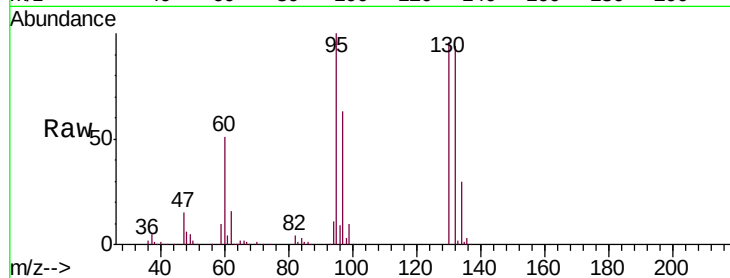
Ion Ratio Lower Upper

95 100

97 63.4 44.8 83.2

132 92.2 65.0 120.6

130 96.2 68.0 126.4

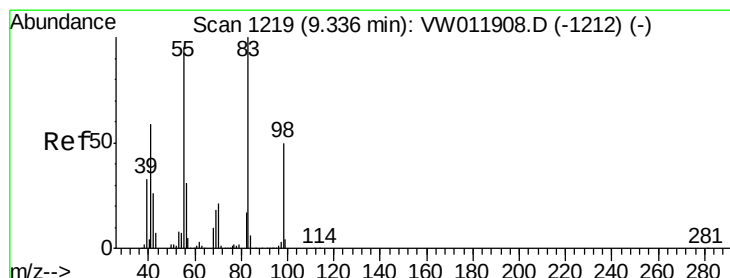
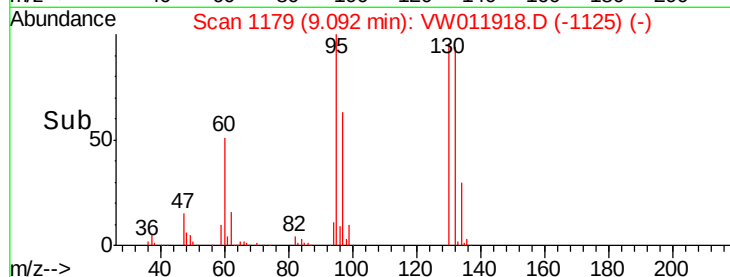
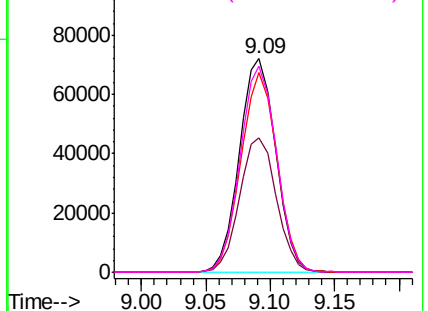


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 24.339 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW011918.D

Acq: 15 Aug 2019 09:18

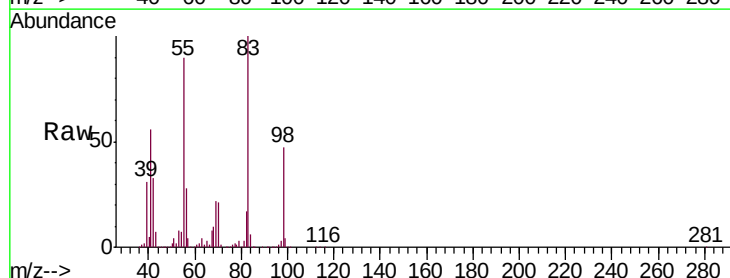
Tgt Ion: 83 Resp: 248158

Ion Ratio Lower Upper

83 100

55 91.9 72.6 108.8

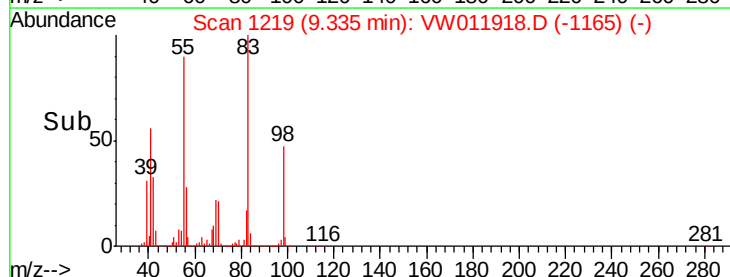
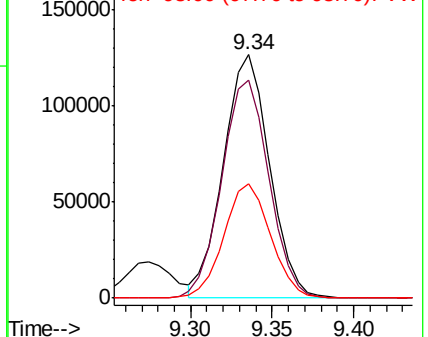
98 47.8 37.8 56.6

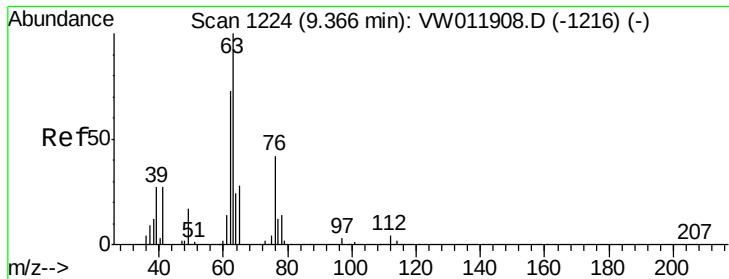


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 25.626 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW011918.D

Acq: 15 Aug 2019 09:18

Instrument :

MSVOA_W

ClientSampleId :

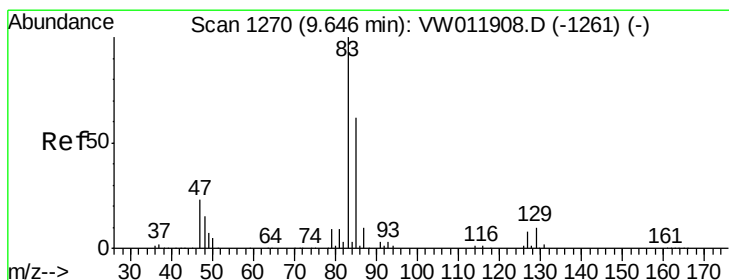
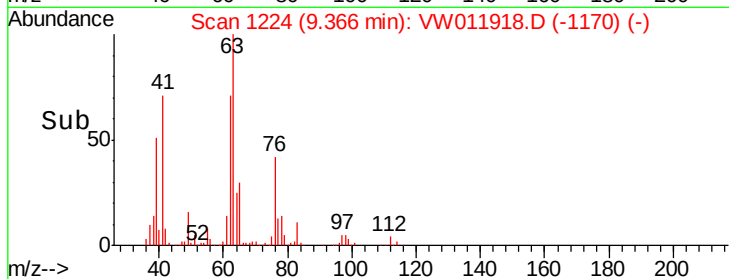
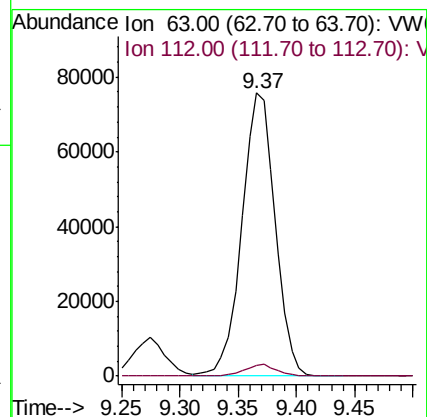
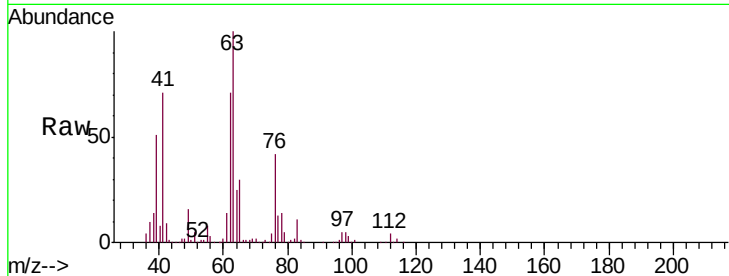
BFB14

Tgt Ion: 63 Resp: 151433

Ion Ratio Lower Upper

63 100

112 3.9 3.1 4.7



#41

Bromodichloromethane

Concen: 25.822 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW011918.D

Acq: 15 Aug 2019 09:18

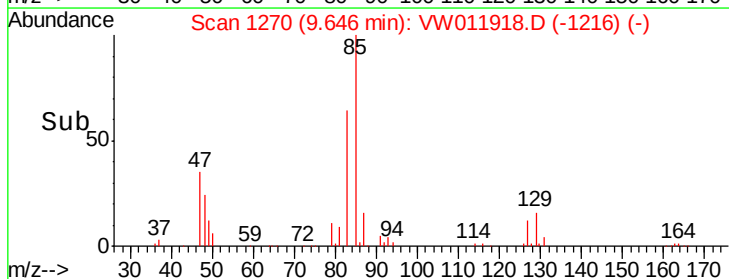
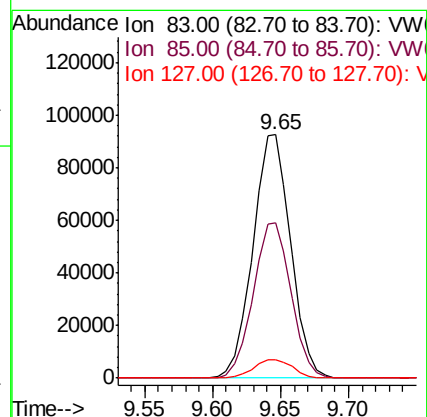
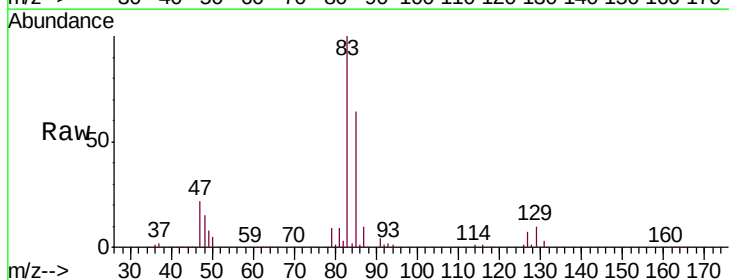
Tgt Ion: 83 Resp: 180065

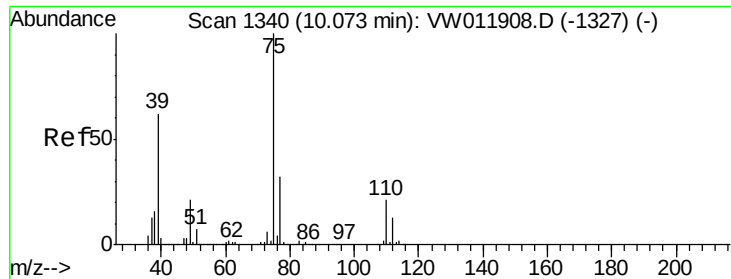
Ion Ratio Lower Upper

83 100

85 63.6 44.0 81.6

127 7.5 6.5 9.7





#42

cis-1,3-Dichloropropene

Concen: 25.949 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011918.D

Acq: 15 Aug 2019 09:18

Instrument :

MSVOA_W

ClientSampleId :

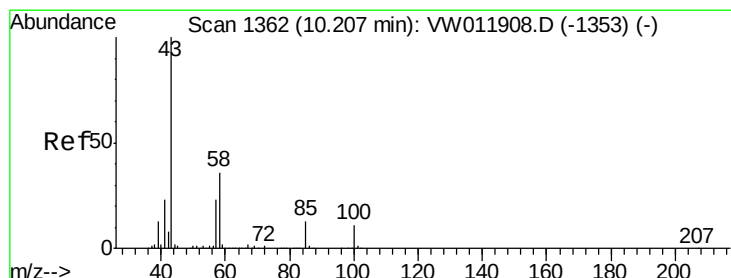
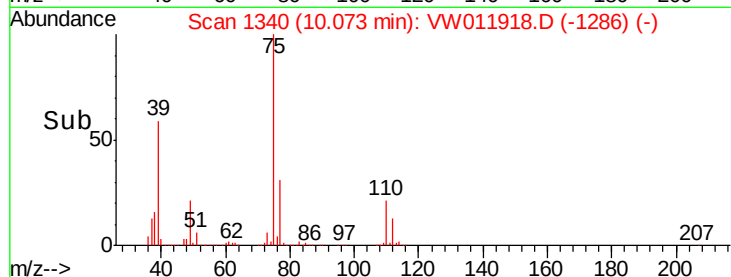
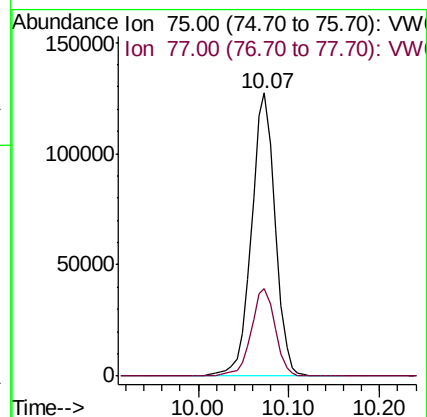
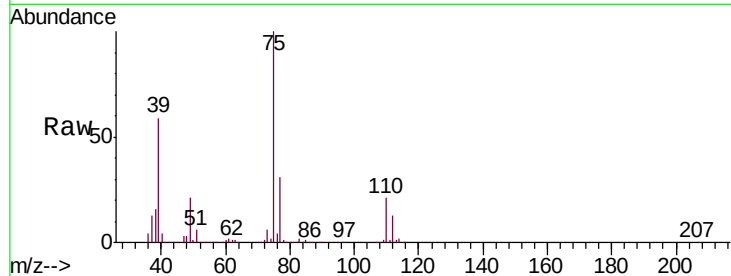
BFB14

Tgt Ion: 75 Resp: 229359

Ion Ratio Lower Upper

75 100

77 31.0 22.3 41.3



#43

4-Methyl-2-pentanone

Concen: 43.814 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011918.D

Acq: 15 Aug 2019 09:18

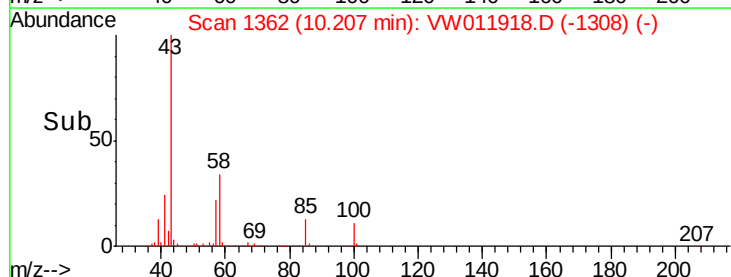
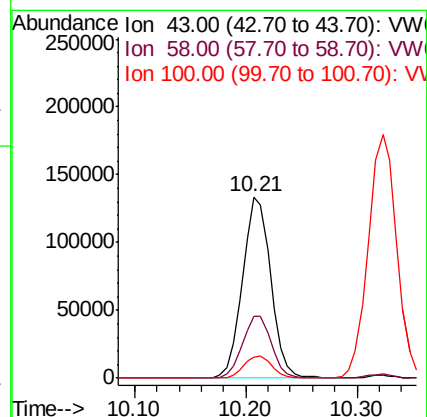
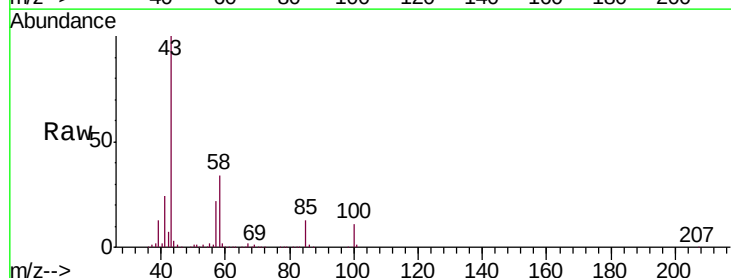
Tgt Ion: 43 Resp: 234590

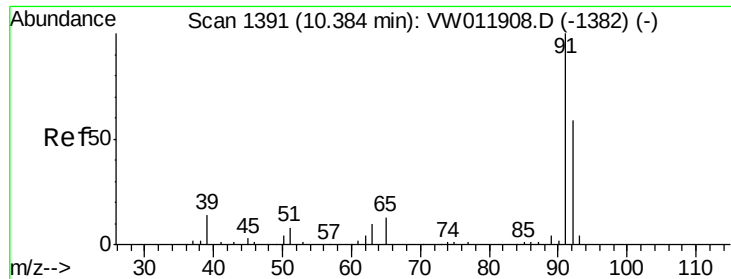
Ion Ratio Lower Upper

43 100

58 34.9 28.0 42.0

100 12.0 9.4 14.2





#44

Toluene

Concen: 25.675 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW011918.D

Acq: 15 Aug 2019 09:18

Instrument :

MSVOA_W

ClientSampled :

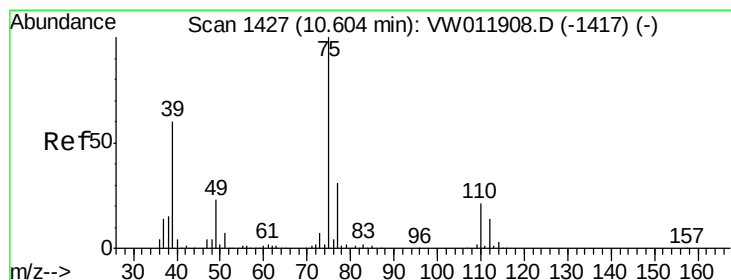
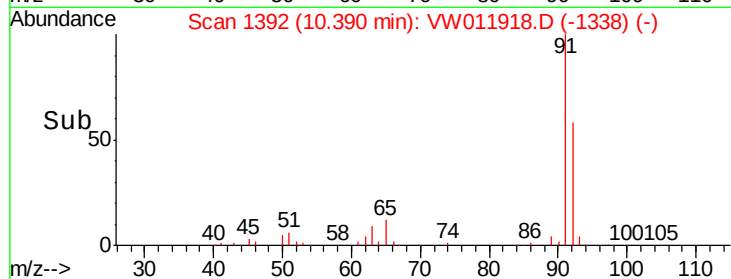
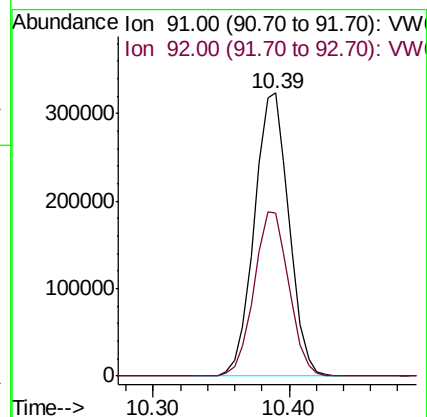
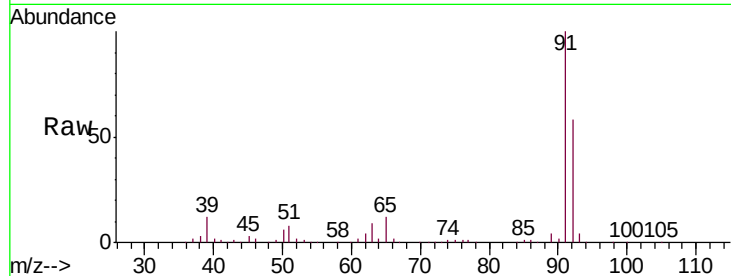
BFB14

Tgt Ion: 91 Resp: 577469

Ion Ratio Lower Upper

91 100

92 57.7 40.9 76.0



#45

trans-1,3-Dichloropropene

Concen: 25.402 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011918.D

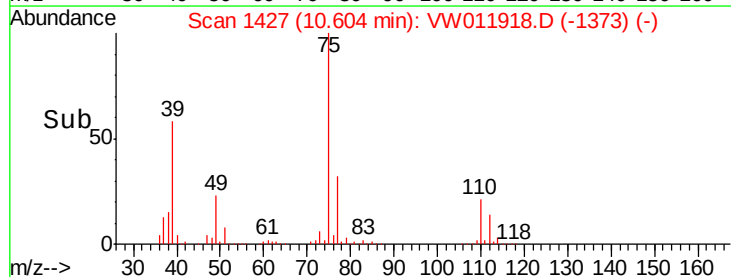
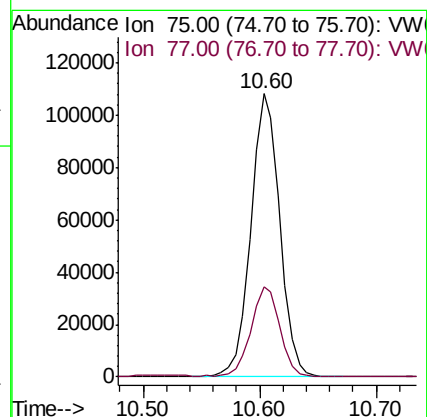
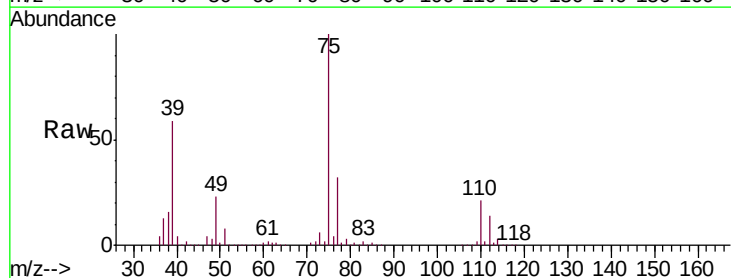
Acq: 15 Aug 2019 09:18

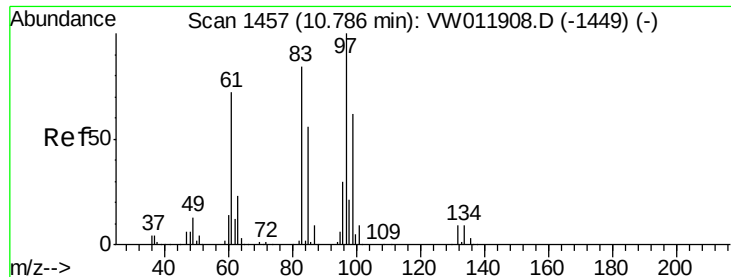
Tgt Ion: 75 Resp: 186808

Ion Ratio Lower Upper

75 100

77 31.7 21.6 40.0





#46

1,1,2-Trichloroethane

Concen: 24.086 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW011918.D

Acq: 15 Aug 2019 09:18

Instrument :

MSVOA_W

ClientSampled :

BFB14

Tgt Ion: 97 Resp: 97041

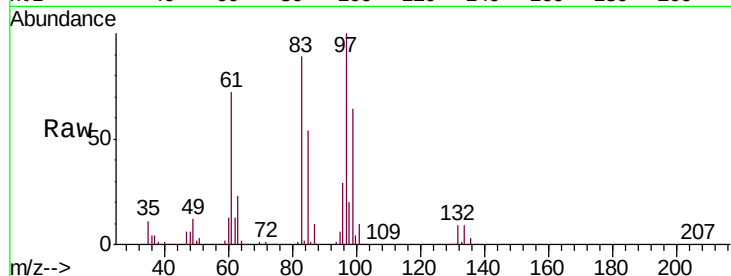
Ion Ratio Lower Upper

97 100

83 89.1 63.8 118.6

85 53.7 39.3 72.9

99 63.7 43.5 80.7

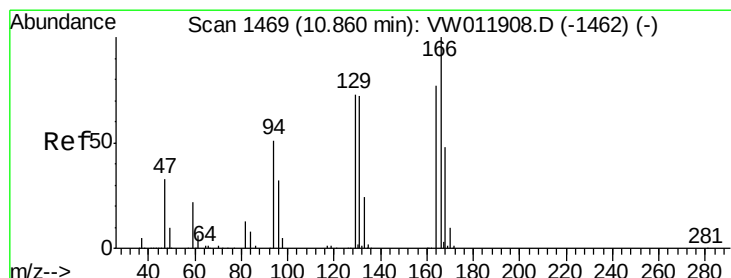
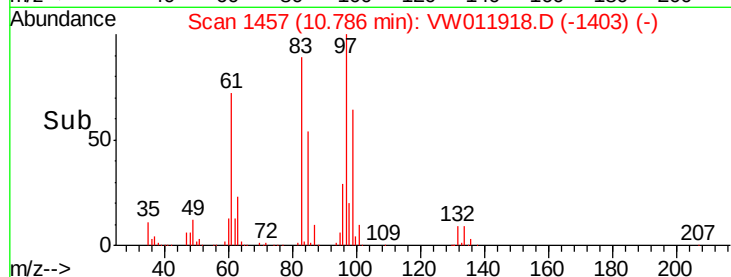
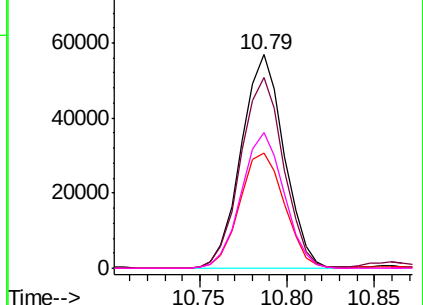


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 24.749 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW011918.D

Acq: 15 Aug 2019 09:18

Tgt Ion: 164 Resp: 106242

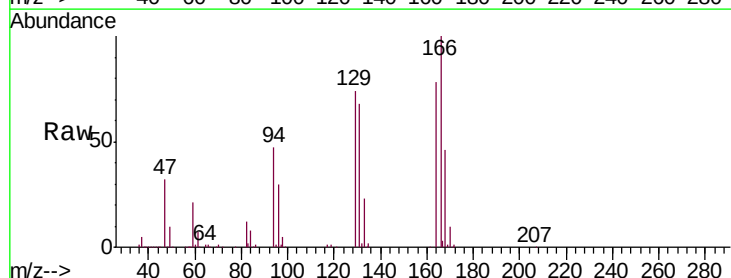
Ion Ratio Lower Upper

164 100

129 94.4 64.0 119.0

131 86.9 58.6 108.8

166 127.6 91.7 170.3

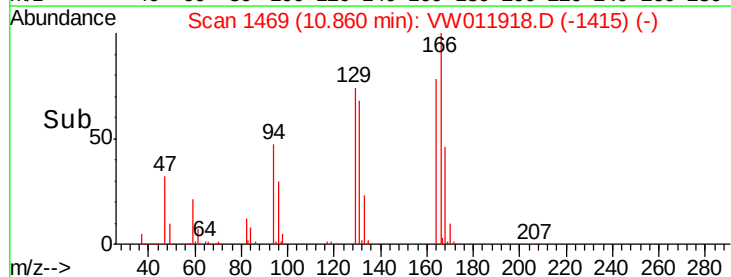
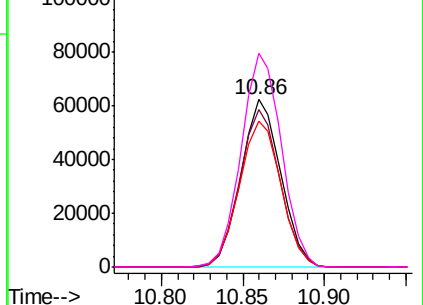


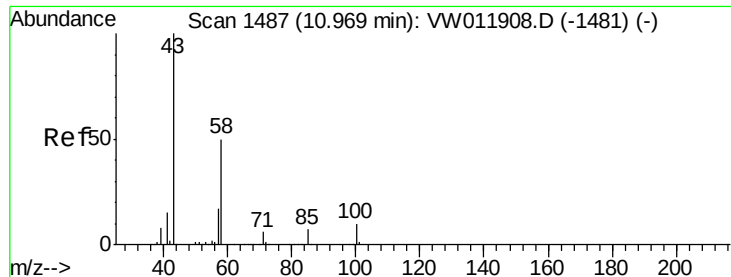
Abundance Ion 164.00 (163.70 to 164.70): V

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

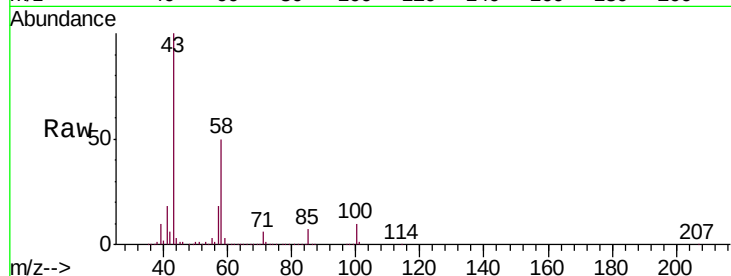




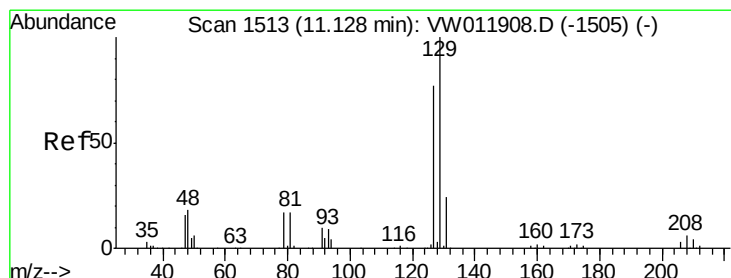
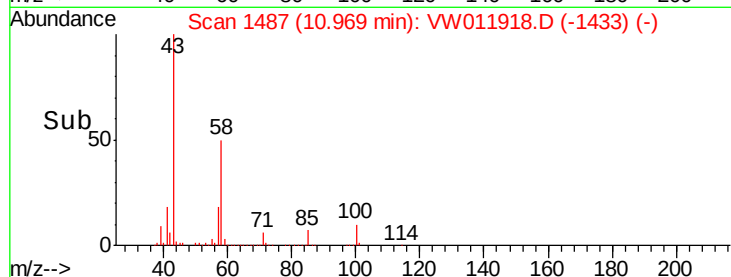
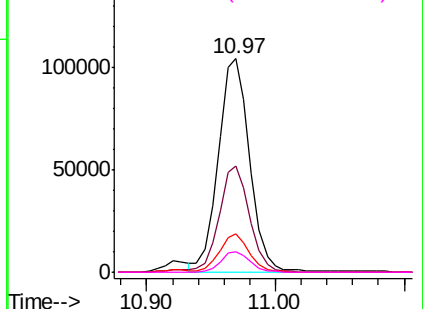
#49
2-Hexanone
Concen: 43.108 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011918.D
Acq: 15 Aug 2019 09:18

Instrument :
MSVOA_W
ClientSampleId :
BFB14

Tgt Ion: 43 Resp: 177821
Ion Ratio Lower Upper
43 100
58 47.5 38.6 57.8
57 17.1 13.0 19.6
100 9.2 7.5 11.3

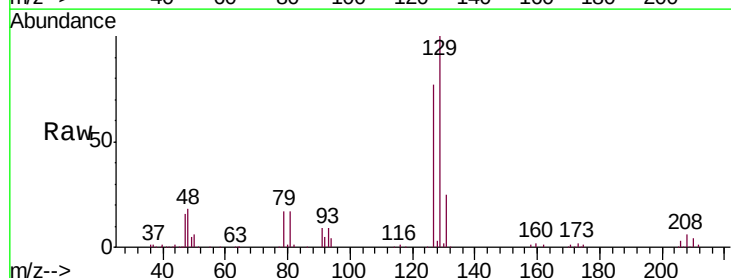


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

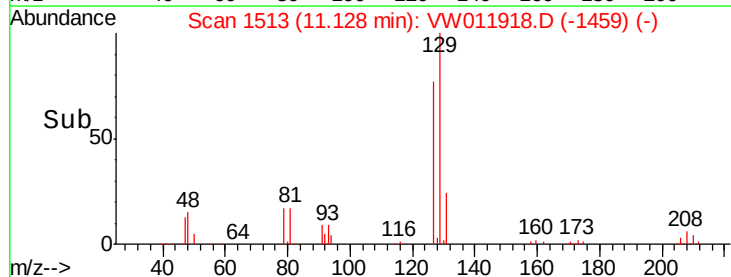
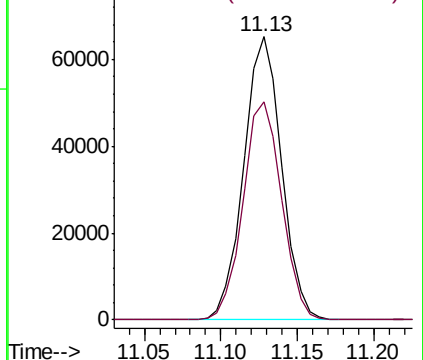


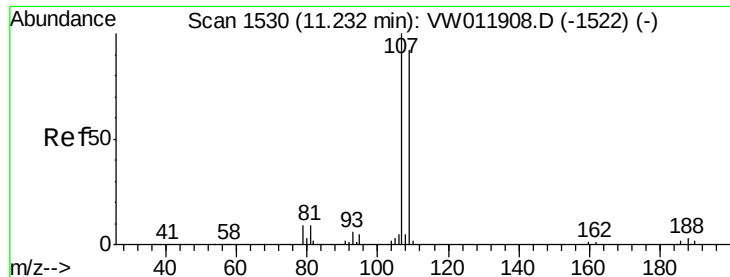
#50
Dibromochloromethane
Concen: 25.272 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011918.D
Acq: 15 Aug 2019 09:18

Tgt Ion: 129 Resp: 112226
Ion Ratio Lower Upper
129 100
127 77.2 52.6 97.6



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

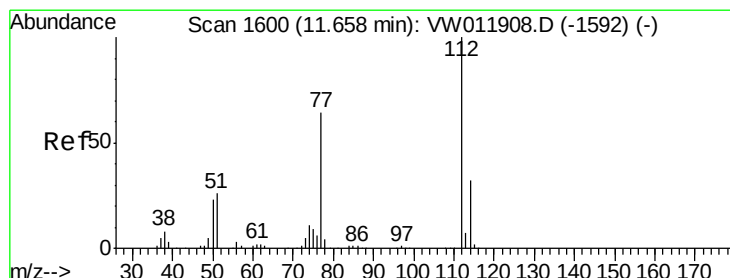
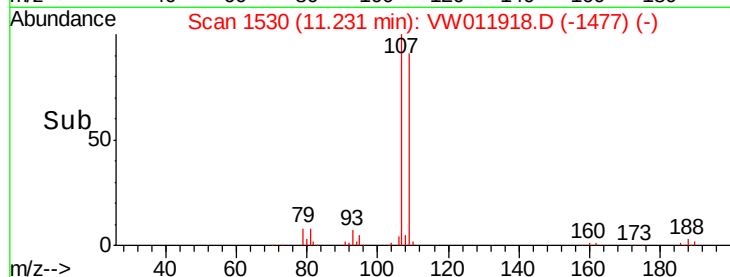
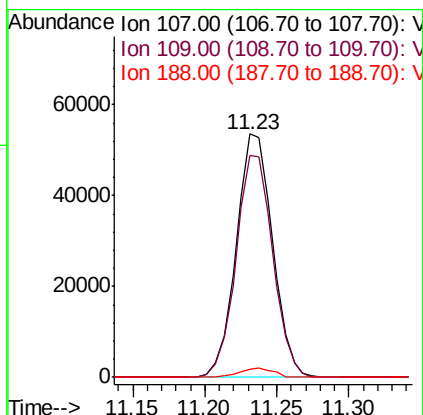
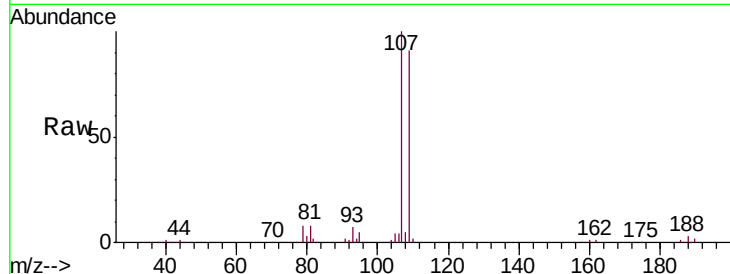




#51
1,2-Dibromoethane
Concen: 23.937 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VW011918.D
Acq: 15 Aug 2019 09:18

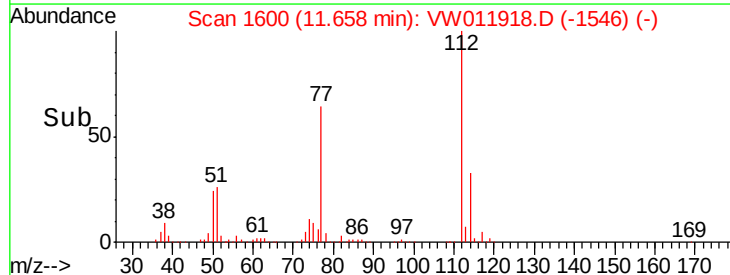
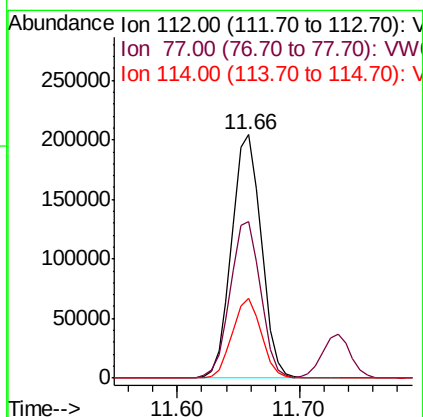
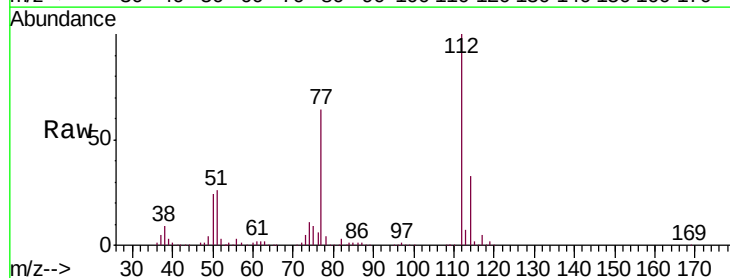
Instrument :
MSVOA_W
ClientSampleId :
BFB14

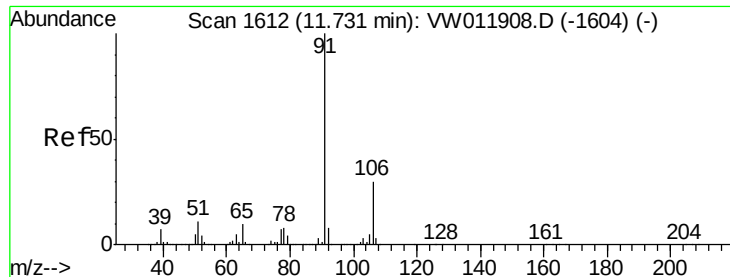
Tgt Ion:107 Resp: 93842
Ion Ratio Lower Upper
107 100
109 91.0 66.1 122.8
188 3.6 2.9 4.3



#52
Chlorobenzene
Concen: 25.202 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011918.D
Acq: 15 Aug 2019 09:18

Tgt Ion:112 Resp: 341984
Ion Ratio Lower Upper
112 100
77 64.2 51.0 76.4
114 32.7 22.4 41.6





#53

Ethylbenzene

Concen: 25.914 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW011918.D

Acq: 15 Aug 2019 09:18

Instrument :

MSVOA_W

ClientSampleId :

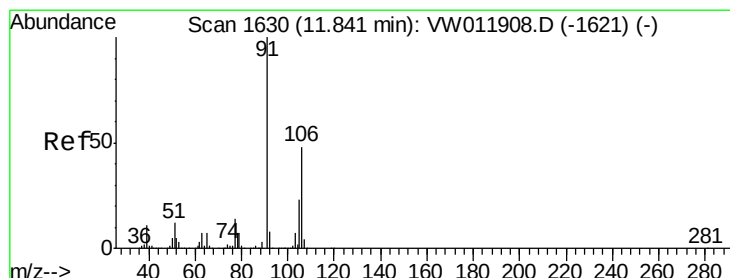
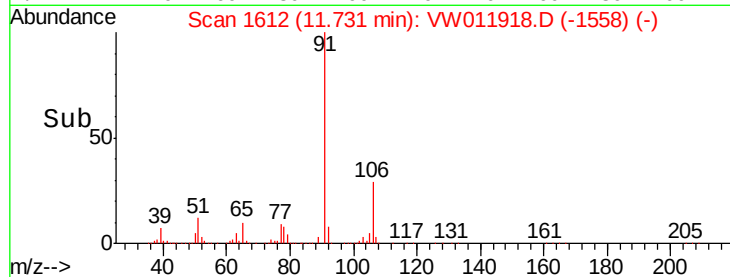
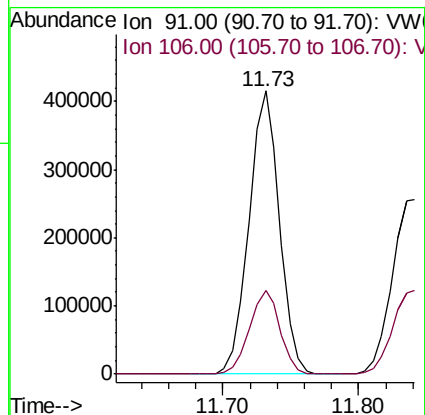
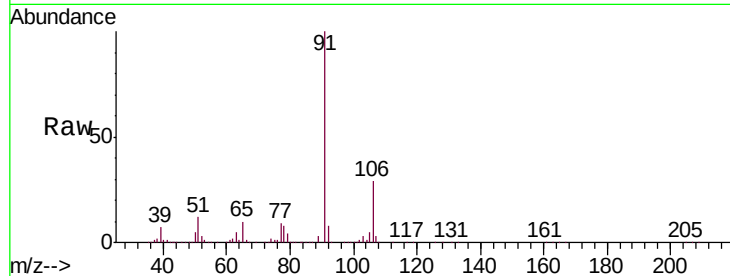
BFB14

Tgt Ion: 91 Resp: 649993

Ion Ratio Lower Upper

91 100

106 29.5 20.6 38.4



#54

m,p-Xylene

Concen: 25.768 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW011918.D

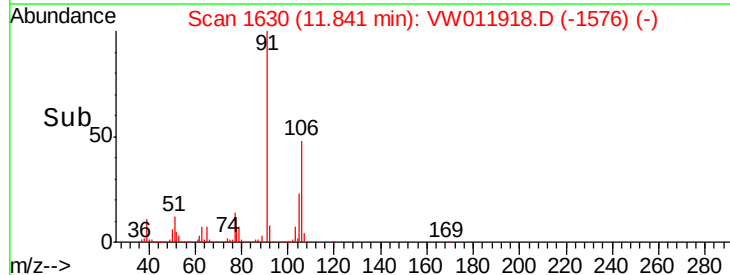
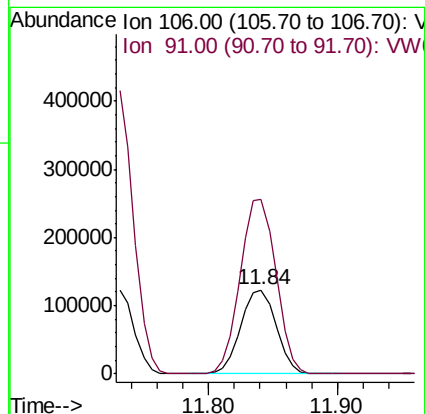
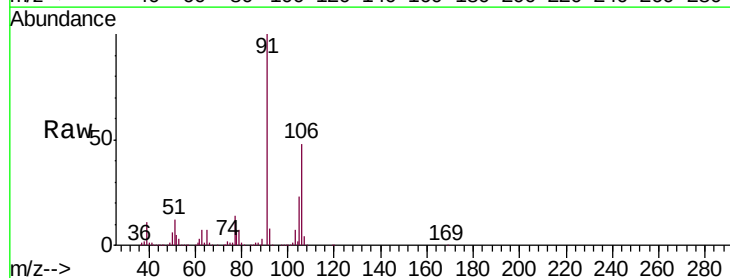
Acq: 15 Aug 2019 09:18

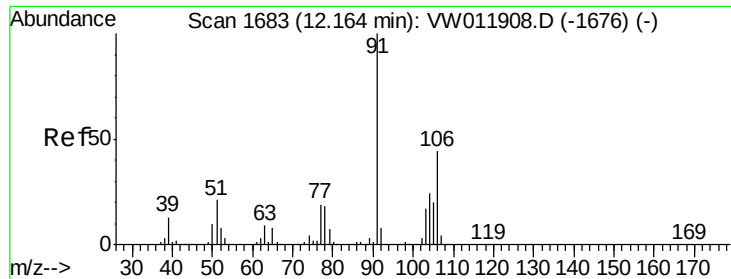
Tgt Ion: 106 Resp: 235019

Ion Ratio Lower Upper

106 100

91 207.9 149.6 277.8

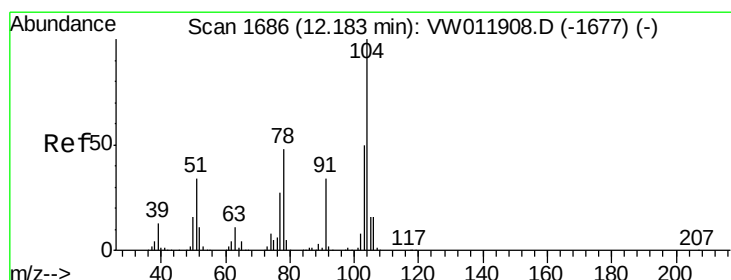
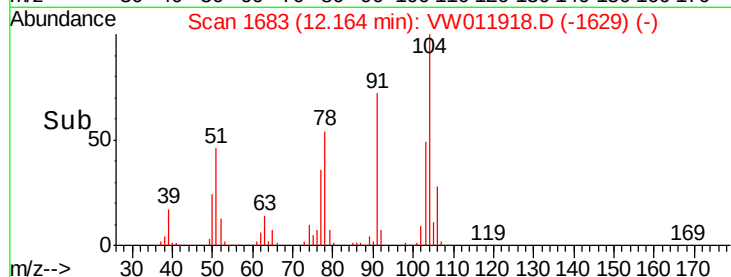
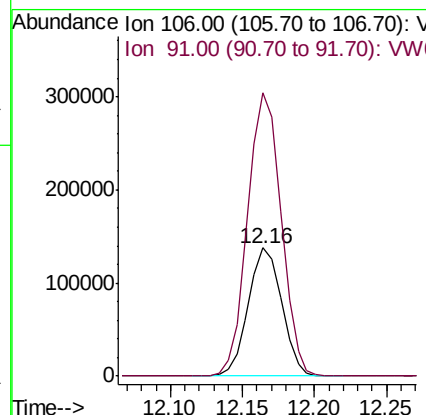
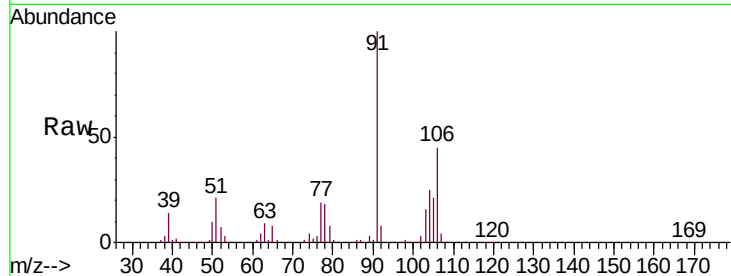




#55
o-xylene
Concen: 25.898 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011918.D
Acq: 15 Aug 2019 09:18

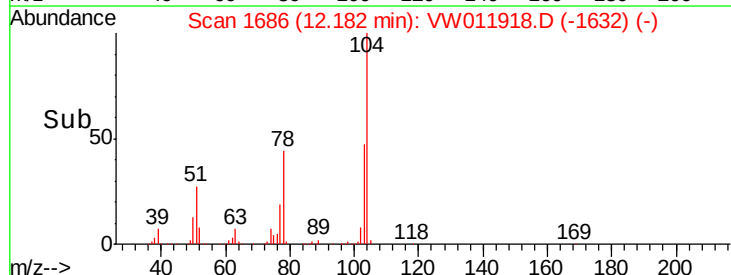
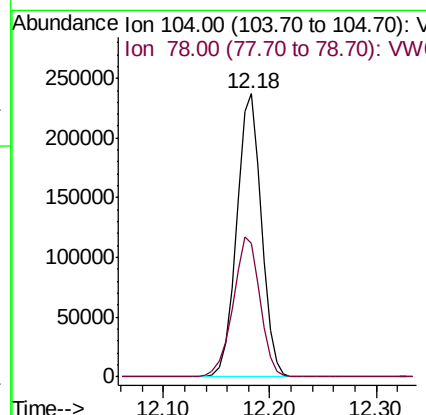
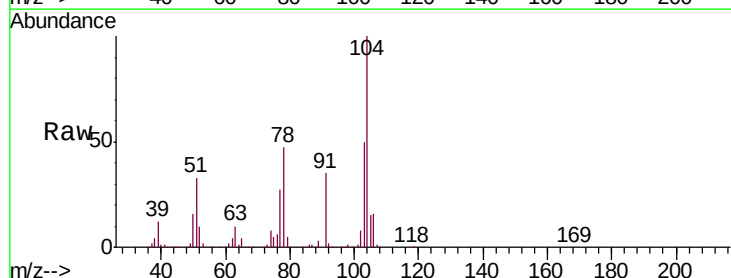
Instrument :
MSVOA_W
ClientSampled :
BFB14

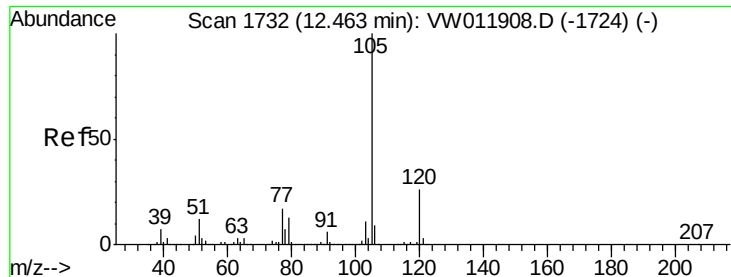
Tgt Ion:106 Resp: 222297
Ion Ratio Lower Upper
106 100
91 220.8 158.3 293.9



#56
Styrene
Concen: 26.471 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011918.D
Acq: 15 Aug 2019 09:18

Tgt Ion:104 Resp: 386302
Ion Ratio Lower Upper
104 100
78 47.4 32.9 61.1





#57

Isopropylbenzene

Concen: 26.089 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011918.D

Acq: 15 Aug 2019 09:18

Instrument :

MSVOA_W

ClientSampled :

BFB14

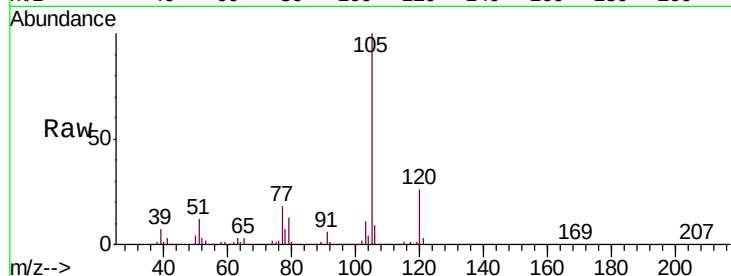
Tgt Ion: 105 Resp: 616081

Ion Ratio Lower Upper

105 100

120 25.7 20.6 30.8

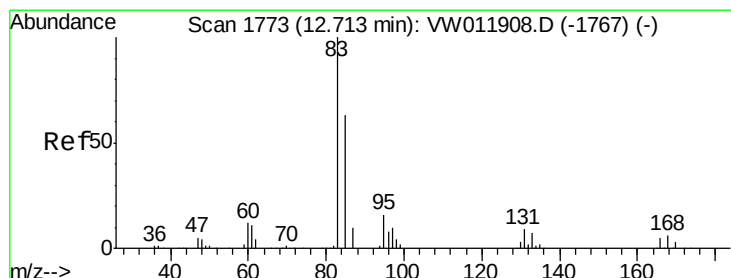
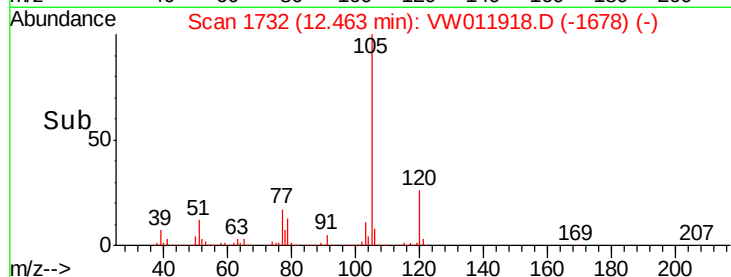
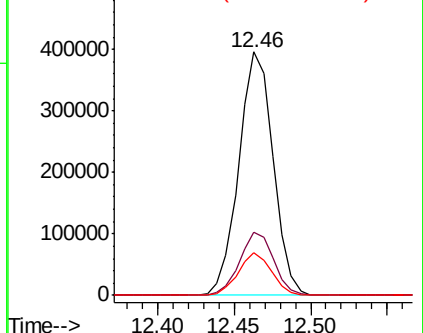
77 17.0 13.4 20.2



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: 23.074 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011918.D

Acq: 15 Aug 2019 09:18

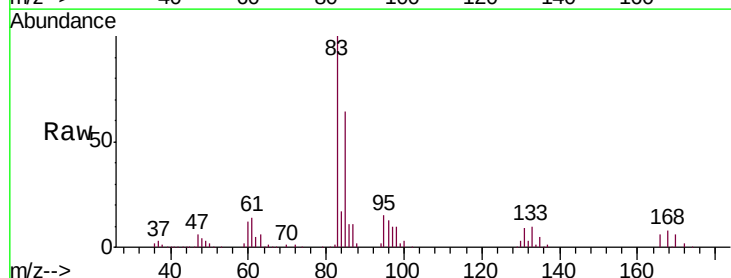
Tgt Ion: 83 Resp: 123541

Ion Ratio Lower Upper

83 100

85 63.5 43.5 80.9

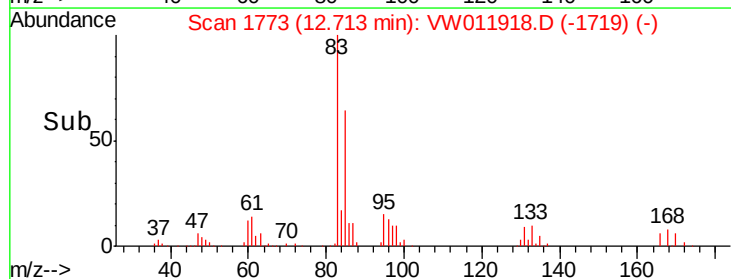
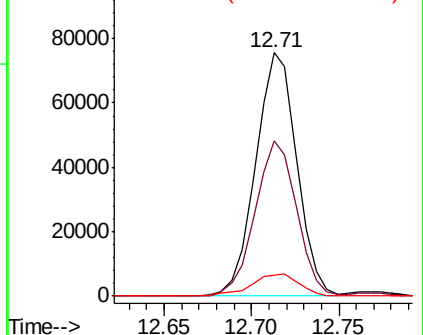
131 8.8 7.5 11.3

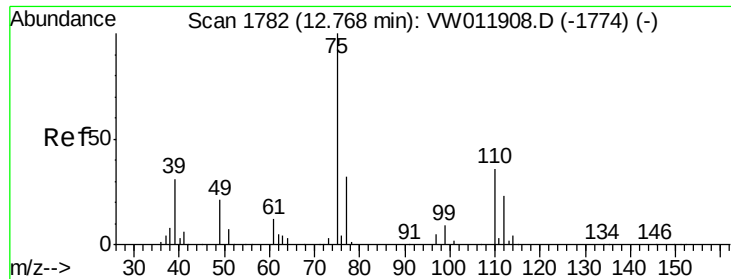


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 22.647 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011918.D

Acq: 15 Aug 2019 09:18

Instrument :

MSVOA_W

ClientSampled :

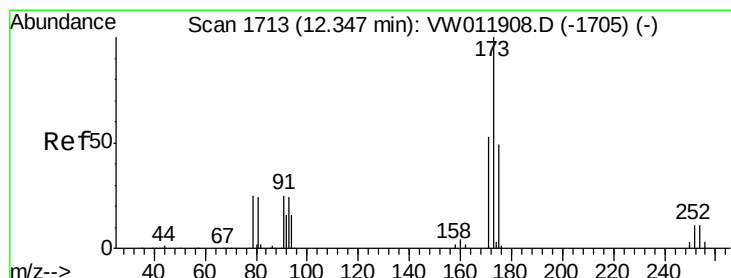
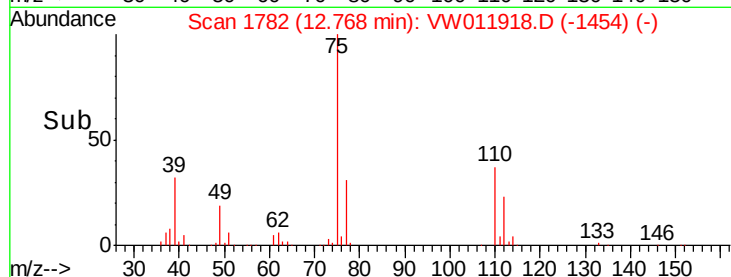
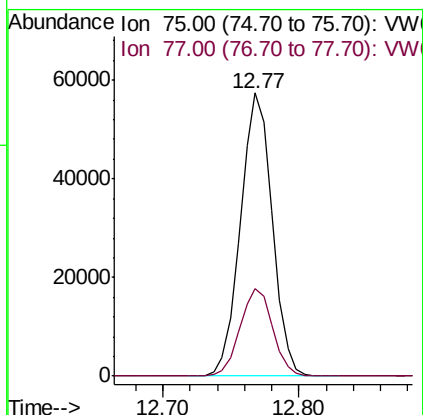
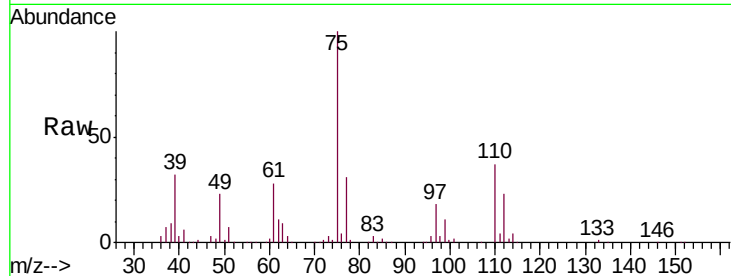
BFB14

Tgt Ion: 75 Resp: 93520

Ion Ratio Lower Upper

75 100

77 31.7 25.1 37.7



#62

Bromoform

Concen: 23.377 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011918.D

Acq: 15 Aug 2019 09:18

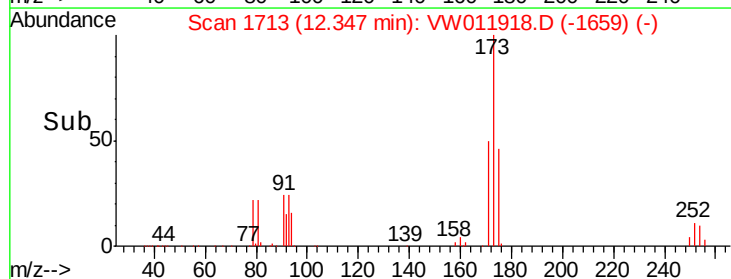
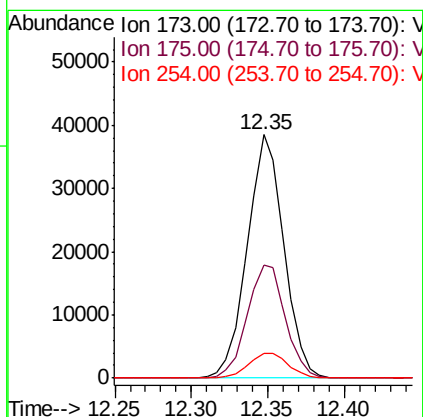
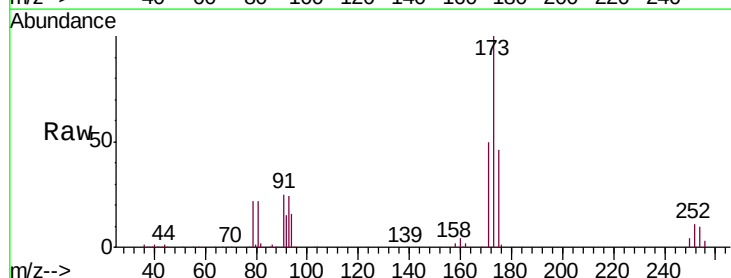
Tgt Ion: 173 Resp: 64016

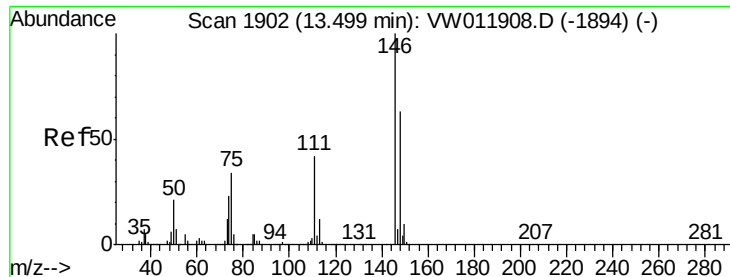
Ion Ratio Lower Upper

173 100

175 48.3 39.4 59.0

254 11.0 9.0 13.6





#63

1,3-Dichlorobenzene

Concen: 25.060 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011918.D

Acq: 15 Aug 2019 09:18

Instrument :

MSVOA_W

ClientSampleId :

BFB14

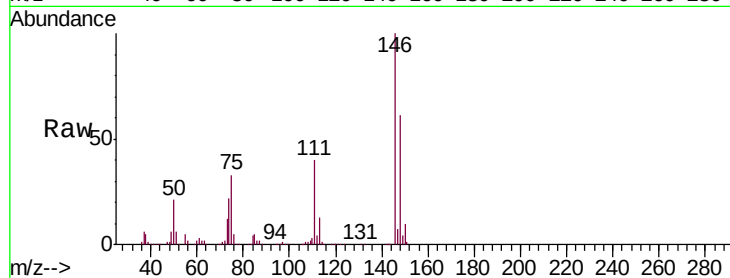
Tgt Ion:146 Resp: 260337

Ion Ratio Lower Upper

146 100

111 39.8 28.6 53.2

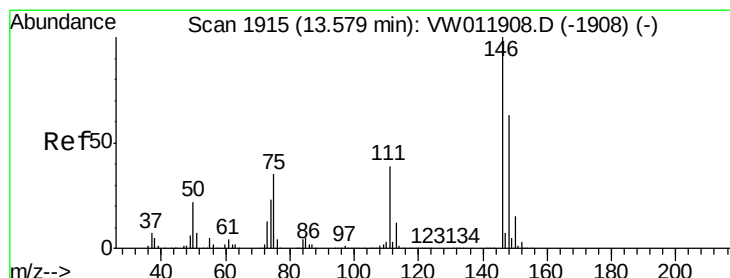
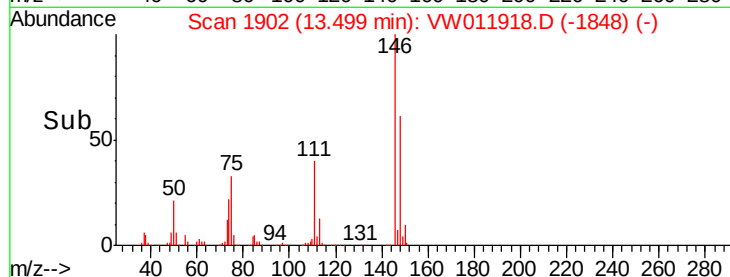
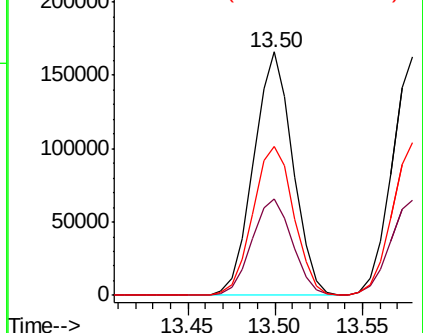
148 61.0 44.4 82.5



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: 24.751 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW011918.D

Acq: 15 Aug 2019 09:18

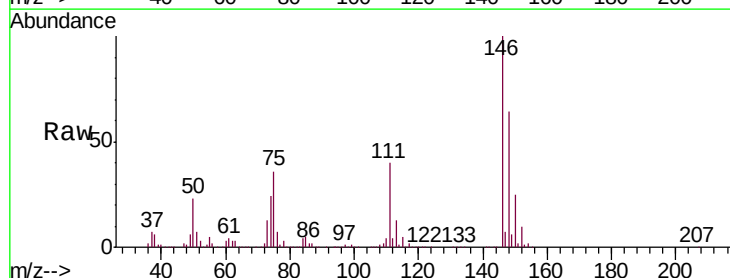
Tgt Ion:146 Resp: 258210

Ion Ratio Lower Upper

146 100

111 39.8 27.4 51.0

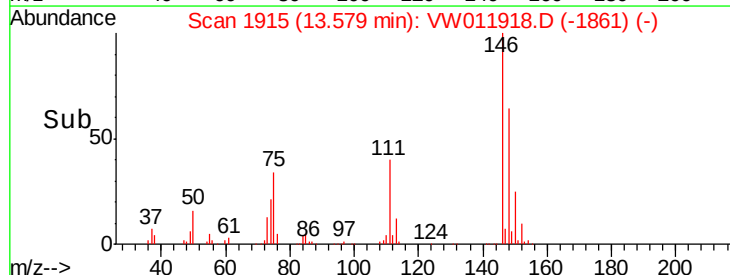
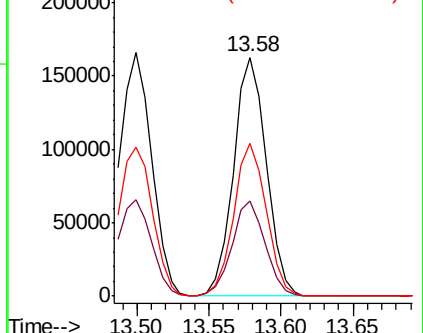
148 64.1 44.4 82.5

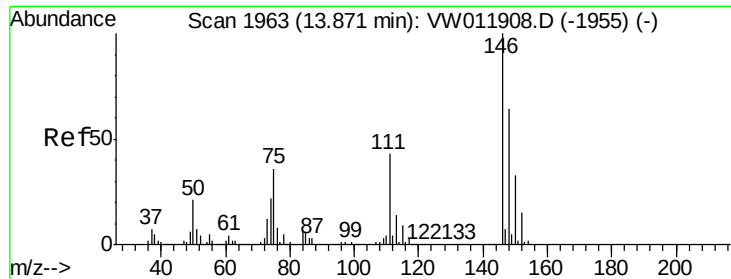


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

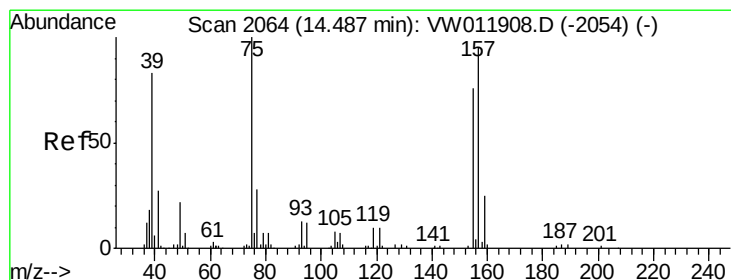
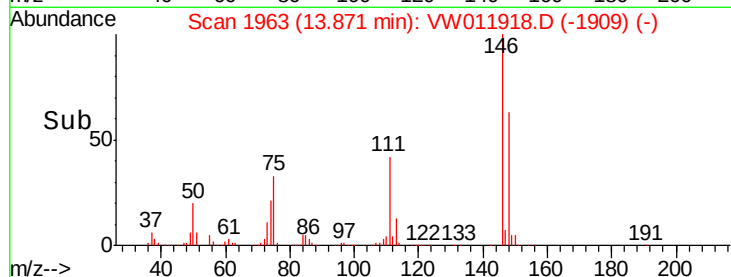
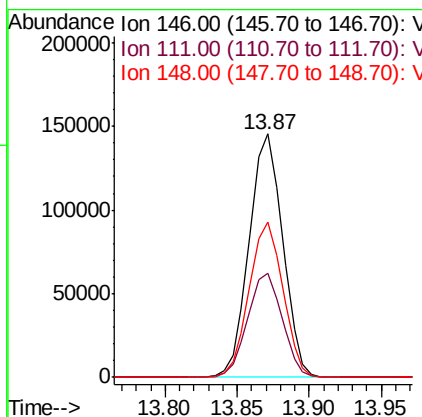
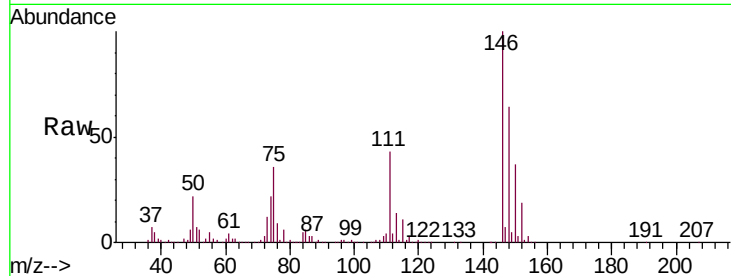




#65
 1,2-Dichlorobenzene
 Concen: 24.943 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011918.D
 Acq: 15 Aug 2019 09:18

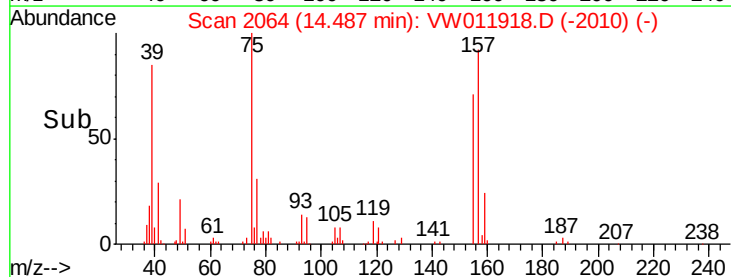
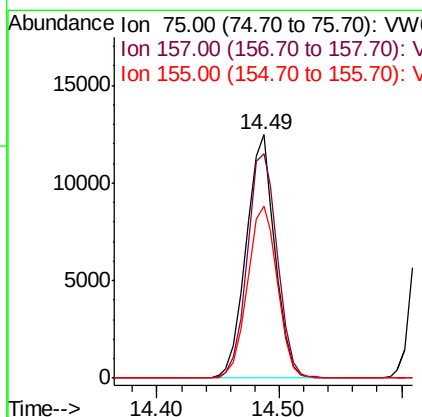
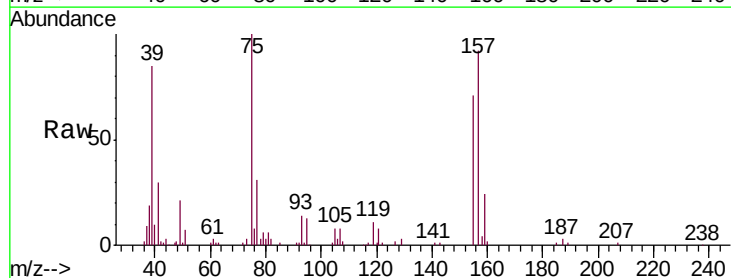
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB14

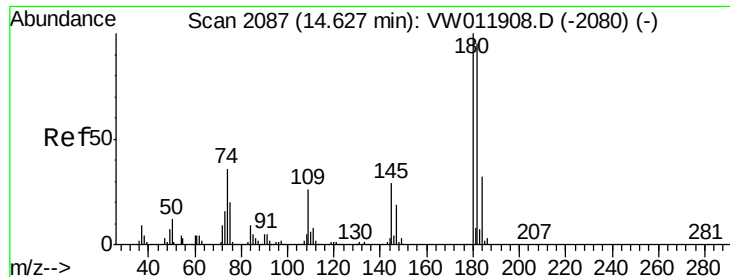
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	34.6	51.8
148	63.6	50.9	76.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 20.827 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011918.D
 Acq: 15 Aug 2019 09:18

Tgt Ion	Ratio	Lower	Upper
75	100		
157	92.0	79.3	118.9
155	70.7	59.9	89.9

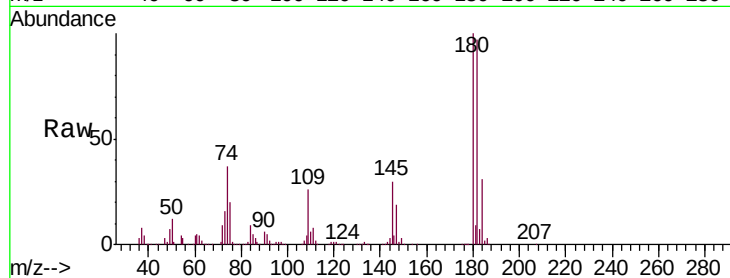




#67
 1,3,5-Trichlorobenzene
 Concen: 25.186 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW011918.D
 Acq: 15 Aug 2019 09:18

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB14

Tgt Ion:	180	Resp:	192579
Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.9	113.9
184	30.5	24.2	36.2
145	29.7	23.0	34.6



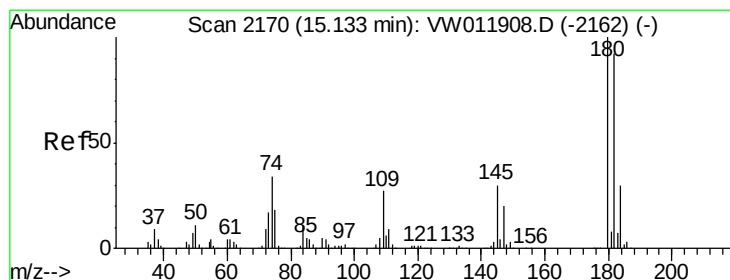
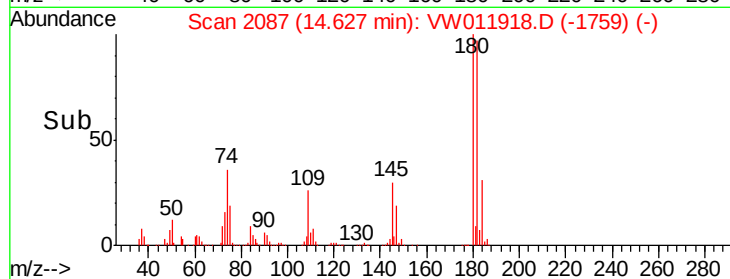
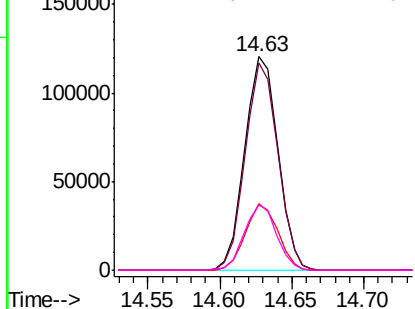
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

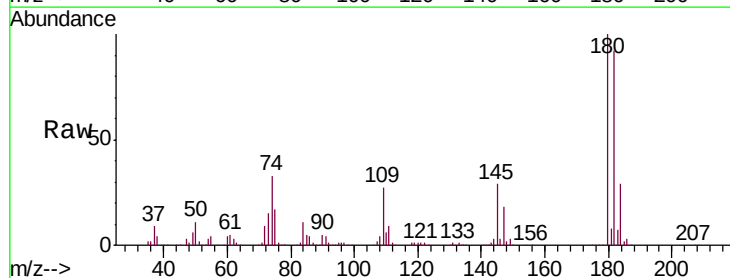
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.882 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW011918.D
 Acq: 15 Aug 2019 09:18

Tgt Ion:	180	Resp:	159381
Ion	Ratio	Lower	Upper
180	100		
182	94.8	77.3	115.9
145	29.4	24.3	36.5

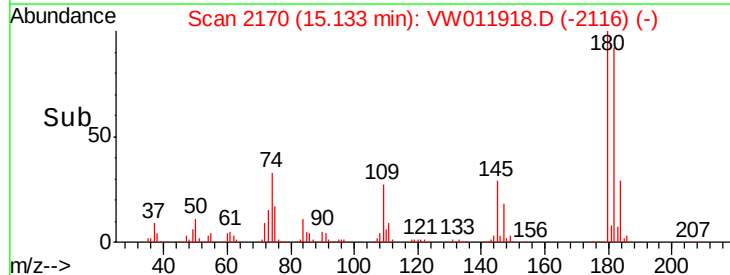
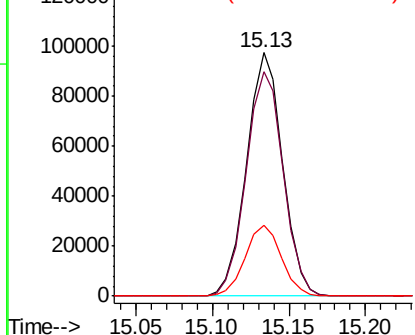


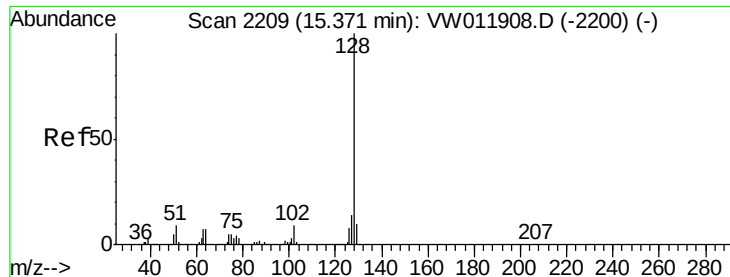
Abundance

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: 23.419 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011918.D

Acq: 15 Aug 2019 09:18

Instrument :

MSVOA_W

ClientSampleId :

BFB14

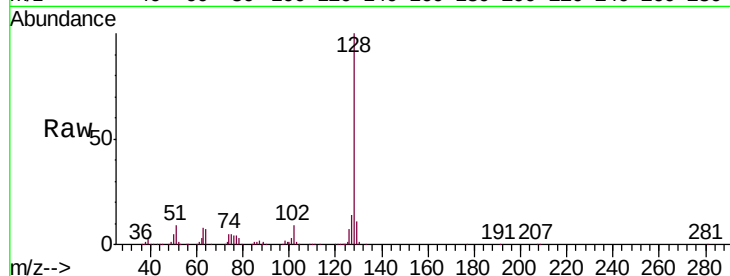
Tgt Ion:128 Resp: 290421

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

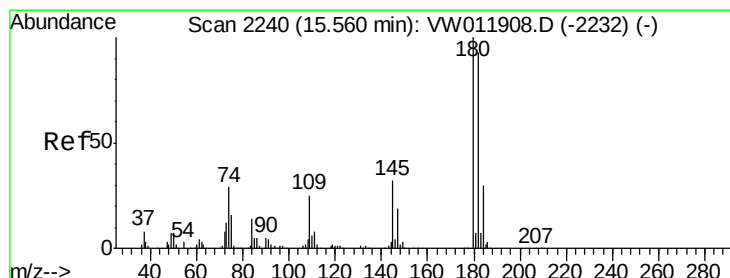
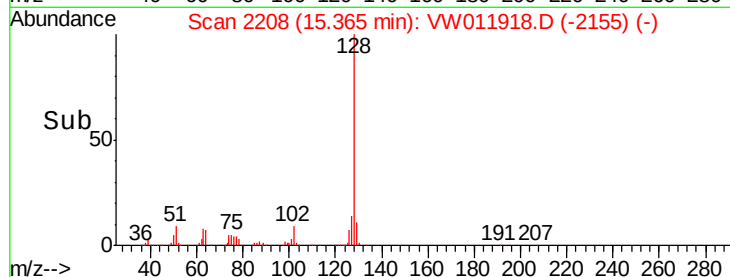
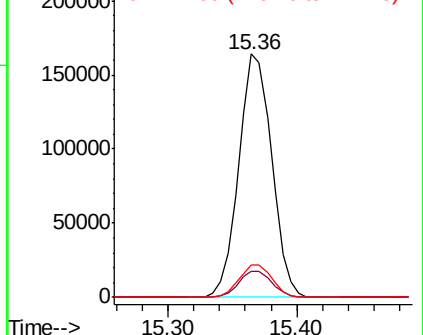
127 13.6 10.6 16.0



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: 24.794 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW011918.D

Acq: 15 Aug 2019 09:18

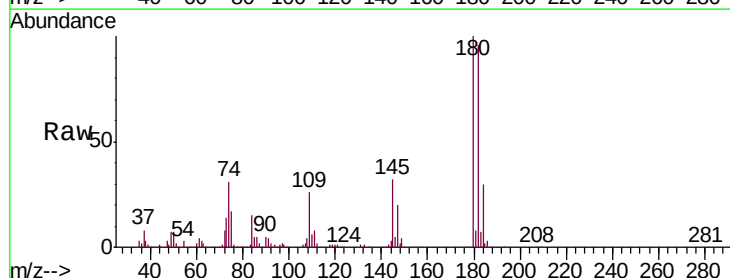
Tgt Ion:180 Resp: 141406

Ion Ratio Lower Upper

180 100

182 94.1 74.9 112.3

145 31.8 25.6 38.4



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

