

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081118\
 Data File : VW004558.D
 Acq On : 09 Aug 2018 15:38
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Quant Time: Aug 10 02:08:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM080218S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 09 02:02:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	725440	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	707179	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	369228	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	175490	19.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.80%
7) Chloroethane-d5	2.89	69	155173	20.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.76%
10) 1,1-Dichloroethene-d2	4.02	63	399538	21.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.20%
20) 2-Butanone-d5	7.09	46	200645	50.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.86%
24) Chloroform-d	7.65	84	428520	21.82	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.28%
26) 1,2-Dichloroethane-d4	8.31	65	231878	21.18	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.72%
29) Benzene-d6	8.28	84	797830	21.21	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	84.84%
33) 1,2-Dichloropropane-d6	9.27	67	263591	21.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	85.76%
37) Toluene-d8	10.33	98	717036	21.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.48%
38) trans-1,3-Dichloropropene-	10.58	79	107042	21.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.68%
39) 2-Hexanone-d5	10.93	63	155676	52.01	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.02%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	317999	23.85	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.40%
61) 1,2-Dichlorobenzene-d4	13.86	152	296551	21.38	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.52%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	183042	24.268 ug/L	93
3) Chloromethane	2.22	50	211063	21.186 ug/L	98
5) Vinyl chloride	2.37	62	333743	25.672 ug/L	98
6) Bromomethane	2.78	94	177383	23.592 ug/L	97
8) Chloroethane	2.93	64	195822	25.108 ug/L	97
9) Trichlorofluoromethane	3.26	101	153724	25.924 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	256496	24.912 ug/L	94
12) 1,1-Dichloroethene	4.03	96	253770	25.229 ug/L	98
13) Acetone	4.14	43	205033	59.484 ug/L	99
14) Carbon disulfide	4.37	76	759887	24.629 ug/L	99
15) Methyl Acetate	4.67	43	175491	24.979 ug/L	100
16) Methylene chloride	4.91	84	306482	21.270 ug/L	98
17) Methyl tert-butyl Ether	5.43	73	330930	24.305 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	255299	24.818 ug/L	98
19) 1,1-Dichloroethane	6.21	63	490773	25.142 ug/L	99
21) 2-Butanone	7.18	43	241487	51.184 ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	282498	25.161 ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081118\
 Data File : VW004558.D
 Acq On : 09 Aug 2018 15:38
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Quant Time: Aug 10 02:08:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM080218S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 09 02:02:27 2018
 Response via : Initial Calibration

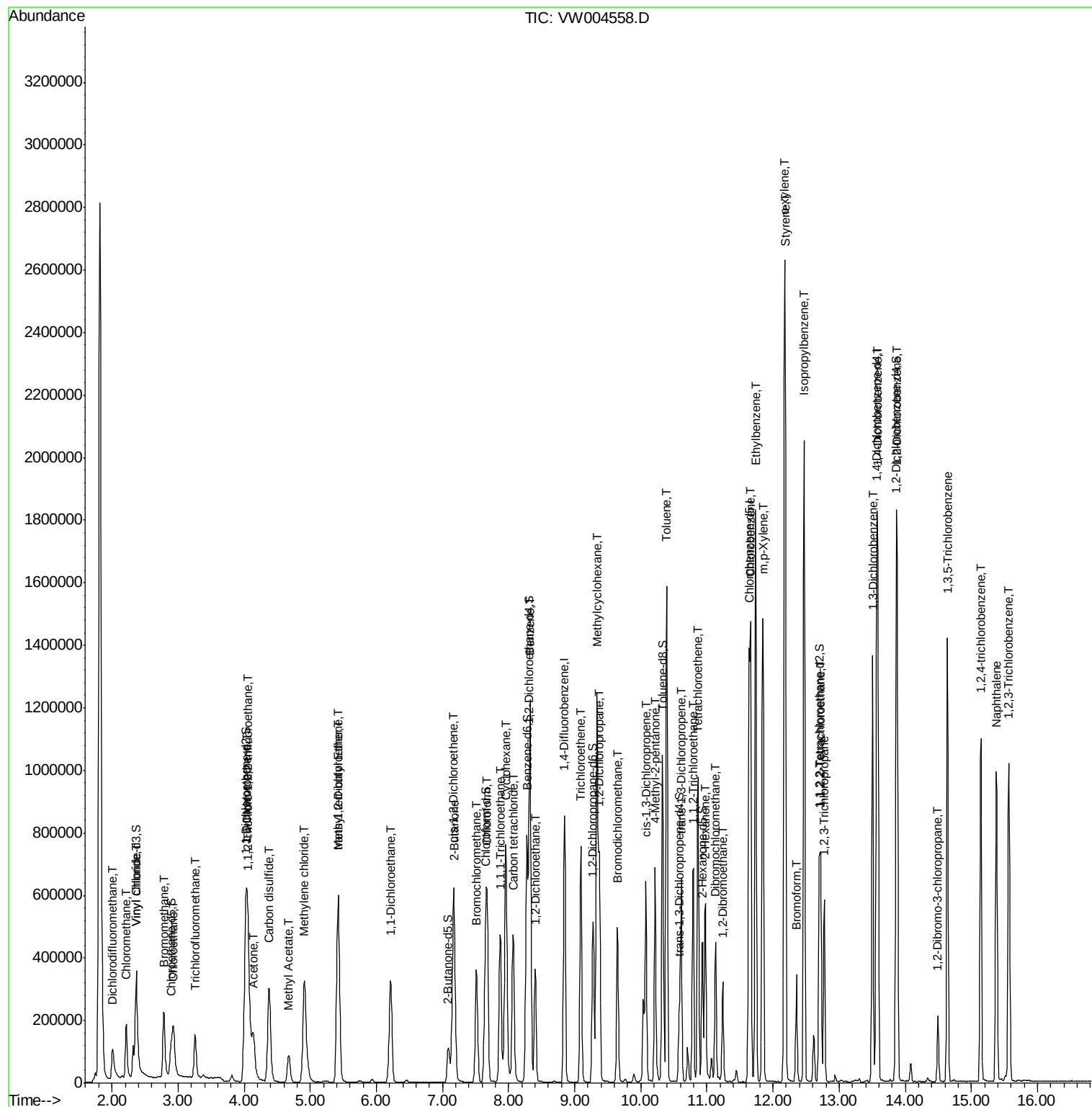
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	129766	24.148	ug/L	98
25) Chloroform	7.68	83	493985	24.793	ug/L	100
27) 1,2-Dichloroethane	8.40	62	319071	23.837	ug/L	97
30) Cyclohexane	7.96	56	435661	26.049	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	390683	26.002	ug/L	99
32) Carbon tetrachloride	8.07	117	367067	25.350	ug/L	99
34) Benzene	8.32	78	1089862	24.996	ug/L	100
35) Trichloroethene	9.09	95	269025	24.530	ug/L	99
36) Methylcyclohexane	9.34	83	495250	25.724	ug/L	98
40) 1,2-Dichloropropane	9.37	63	289183	25.042	ug/L	99
41) Bromodichloromethane	9.65	83	333646	24.053	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	385603	24.410	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	442945	51.157	ug/L	99
44) Toluene	10.39	91	1147941	26.163	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	352968	24.857	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	224258	24.980	ug/L	99
47) Tetrachloroethene	10.87	164	224079	25.823	ug/L	98
49) 2-Hexanone	10.98	43	351524	54.025	ug/L	99
50) Dibromochloromethane	11.13	129	244541	24.555	ug/L	99
51) 1,2-Dibromoethane	11.24	107	214797	24.961	ug/L	100
52) Chlorobenzene	11.66	112	735601	24.790	ug/L	99
53) Ethylbenzene	11.74	91	1278079	25.922	ug/L	100
54) m,p-Xylene	11.85	106	486895	26.468	ug/L	99
55) o-xylene	12.17	106	455987	26.161	ug/L	99
56) Styrene	12.19	104	819157	26.971	ug/L	98
57) Isopropylbenzene	12.47	105	1283614	27.207	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	328216	25.190	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	247590	25.442	ug/L	99
62) Bromoform	12.35	173	160876	23.974	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	562566	24.486	ug/L	100
64) 1,4-Dichlorobenzene	13.59	146	593407	24.033	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	556565	24.177	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	55715	23.561	ug/L	95
67) 1,3,5-Trichlorobenzene	14.64	180	453328	24.891	ug/L	100
68) 1,2,4-trichlorobenzene	15.15	180	363465	24.668	ug/L	99
69) Naphthalene	15.38	128	839571	24.985	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	366799	25.562	ug/L	99

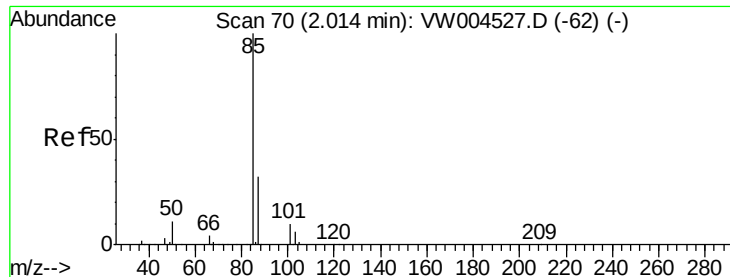
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW081118\
Data File : VW004558.D
Acq On : 09 Aug 2018 15:38
Operator : SY/AP
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB

Quant Time: Aug 10 02:08:28 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM080218S.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 09 02:02:27 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 24.268 ug/L

RT: 2.01 min Scan# 69

Delta R.T. -0.01 min

Lab File: VW004558.D

Acq: 09 Aug 2018 15:38

Instrument :

MSVOA_W

ClientSampleId :

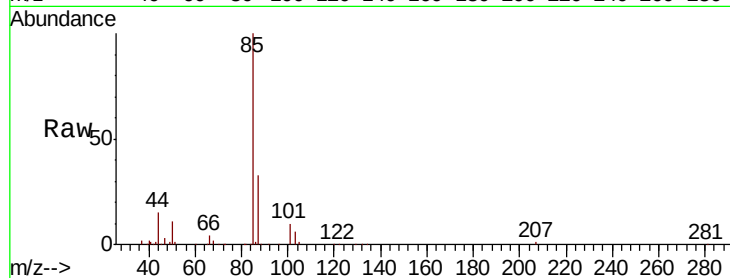
BFB

Tgt Ion: 85 Resp: 183042

Ion Ratio Lower Upper

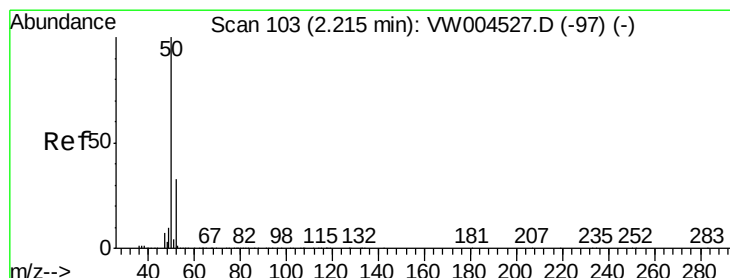
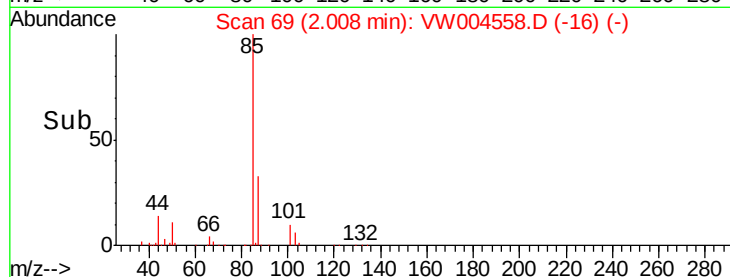
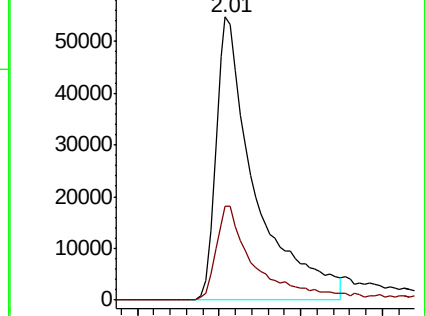
85 100

87 32.6 20.2 37.4



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 21.186 ug/L

RT: 2.22 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW004558.D

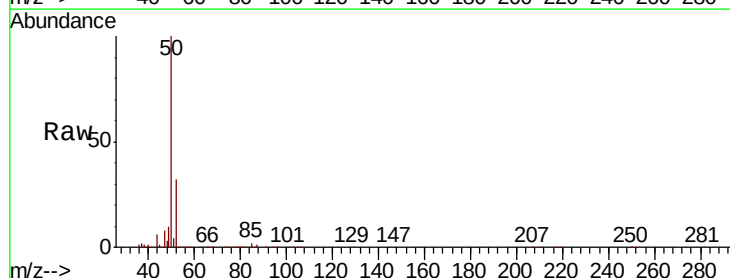
Acq: 09 Aug 2018 15:38

Tgt Ion: 50 Resp: 211063

Ion Ratio Lower Upper

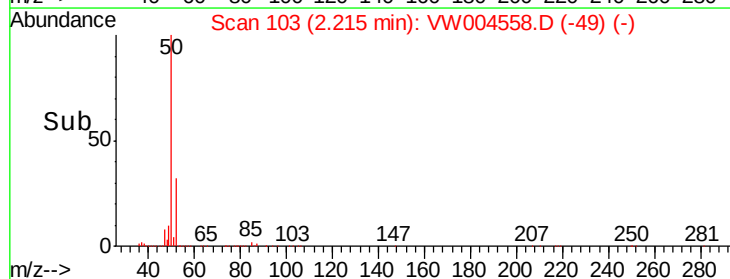
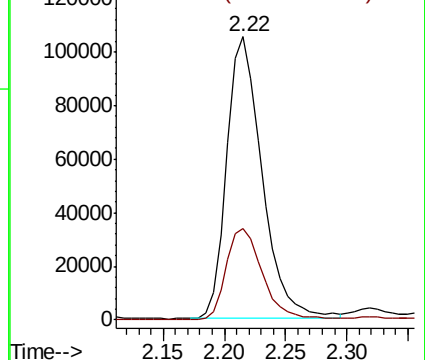
50 100

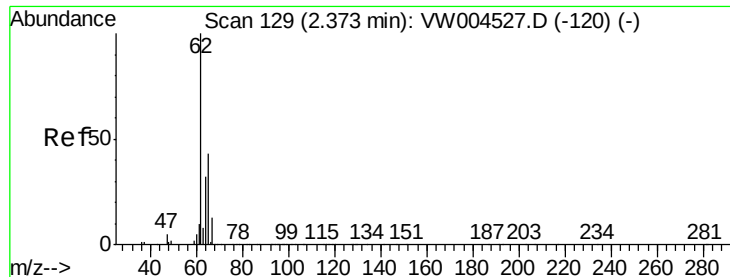
52 32.2 23.4 43.6



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 25.672 ug/L

RT: 2.37 min Scan# 128

Delta R.T. -0.01 min

Lab File: VW004558.D

Acq: 09 Aug 2018 15:38

Instrument :

MSVOA_W

ClientSampleId :

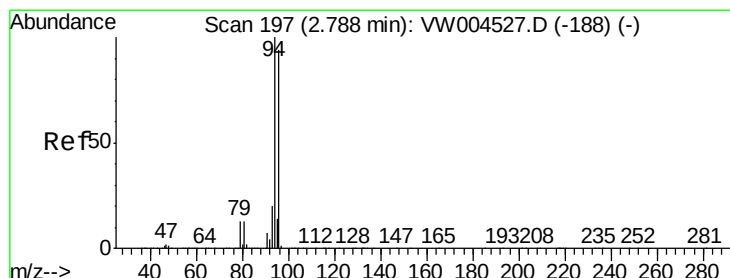
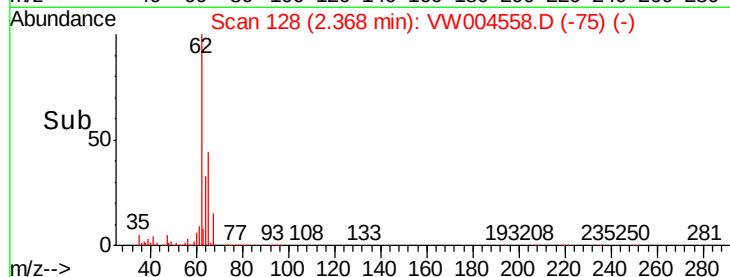
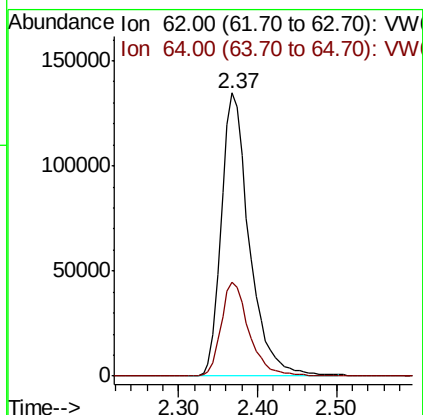
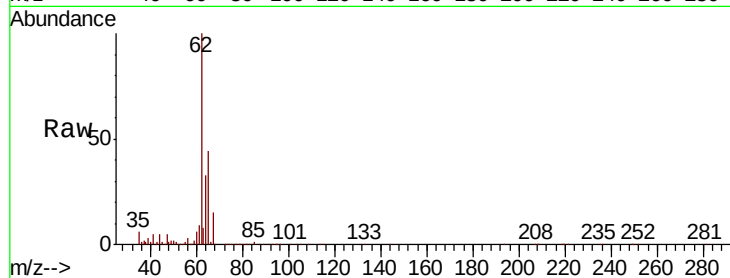
BFB

Tgt Ion: 62 Resp: 333743

Ion Ratio Lower Upper

62 100

64 33.1 24.0 44.6



#6

Bromomethane

Concen: 23.592 ug/L

RT: 2.78 min Scan# 196

Delta R.T. -0.01 min

Lab File: VW004558.D

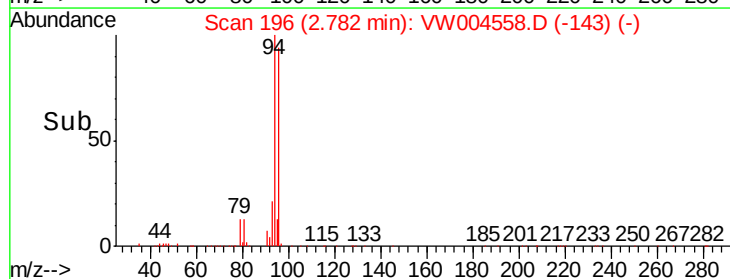
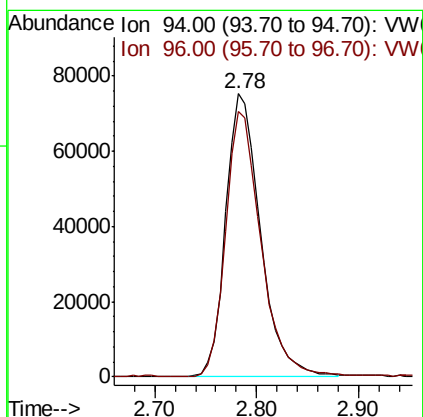
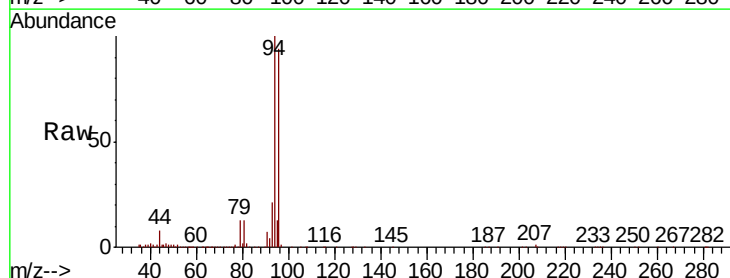
Acq: 09 Aug 2018 15:38

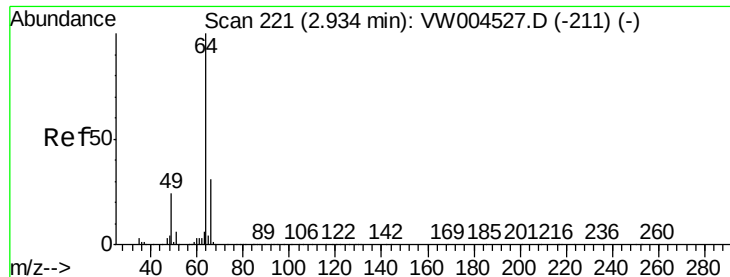
Tgt Ion: 94 Resp: 177383

Ion Ratio Lower Upper

94 100

96 94.7 9.2 175.2





#8

Chloroethane

Concen: 25.108 ug/L

RT: 2.93 min Scan# 220

Delta R.T. -0.01 min

Lab File: VW004558.D

Acq: 09 Aug 2018 15:38

Instrument :

MSVOA_W

ClientSampleId :

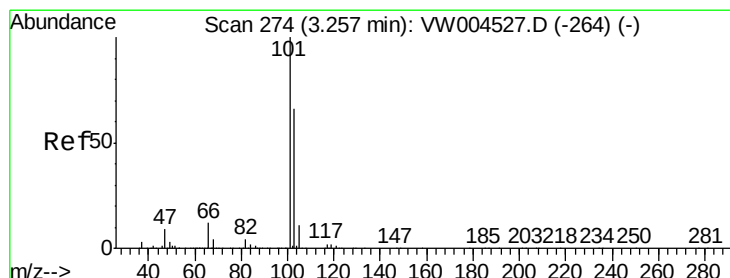
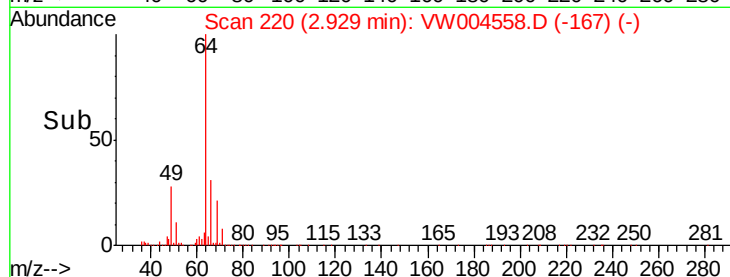
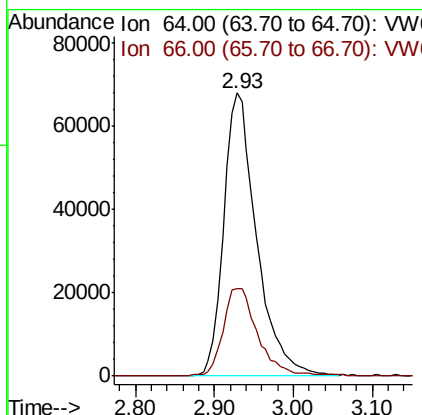
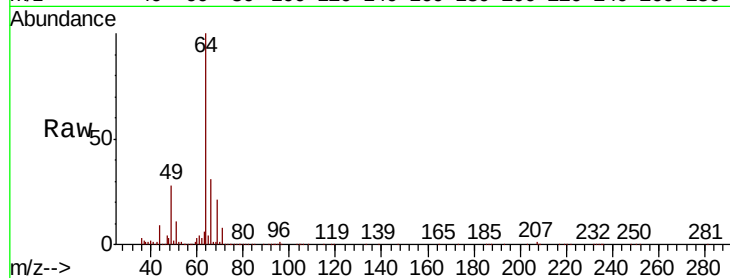
BFB

Tgt Ion: 64 Resp: 195822

Ion Ratio Lower Upper

64 100

66 30.8 22.8 42.4



#9

Trichlorofluoromethane

Concen: 25.924 ug/L

RT: 3.26 min Scan# 274

Delta R.T. 0.00 min

Lab File: VW004558.D

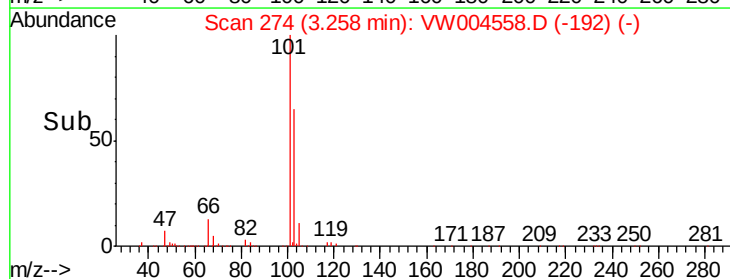
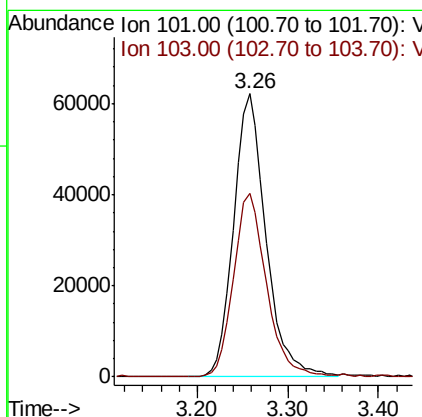
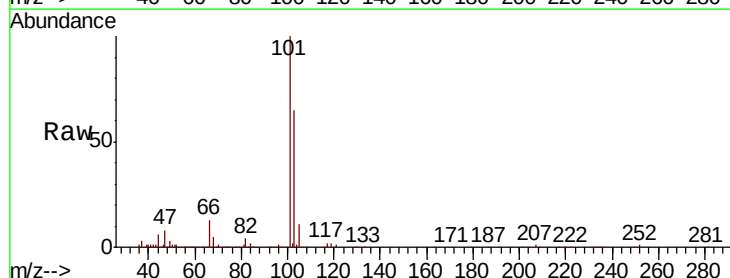
Acq: 09 Aug 2018 15:38

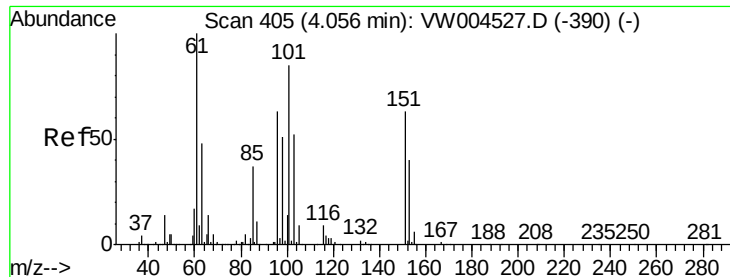
Tgt Ion: 101 Resp: 153724

Ion Ratio Lower Upper

101 100

103 66.0 45.3 84.1





#11

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

Concen: 24.912 ug/L

RT: 4.06 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW004558.D

Acq: 09 Aug 2018 15:38

Instrument :

MSVOA_W

ClientSampleId :

BFB

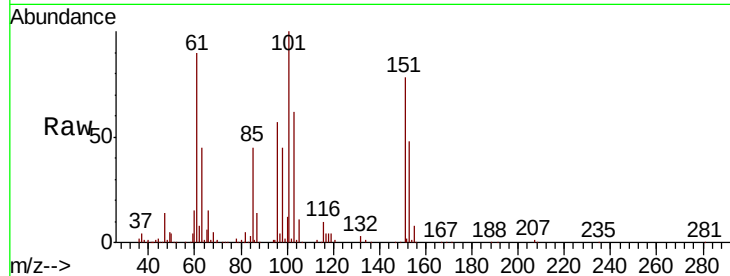
Tgt Ion: 101 Resp: 256496

Ion Ratio Lower Upper

101 100

85 46.8 35.6 53.4

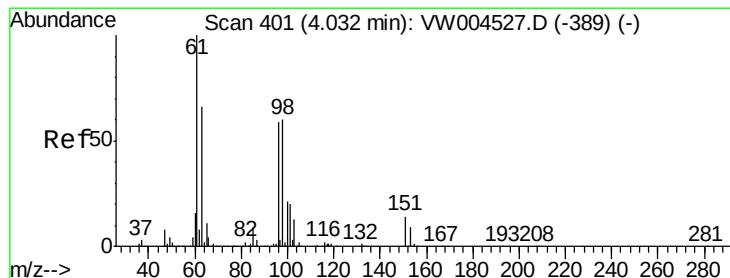
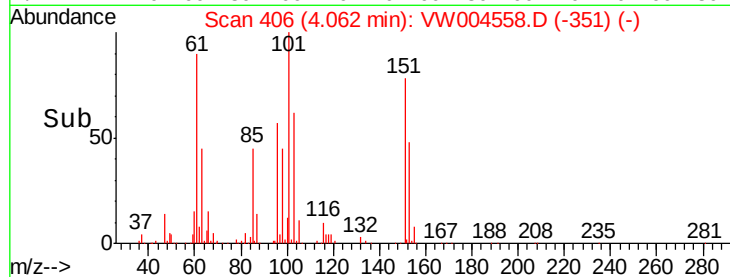
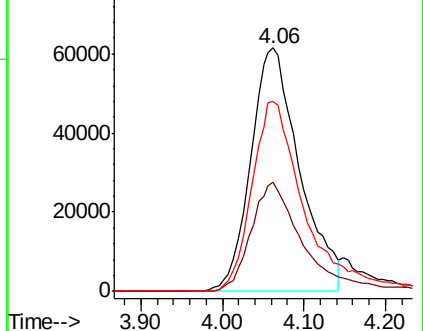
151 84.2 62.6 94.0



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: 25.229 ug/L

RT: 4.03 min Scan# 401

Delta R.T. 0.00 min

Lab File: VW004558.D

Acq: 09 Aug 2018 15:38

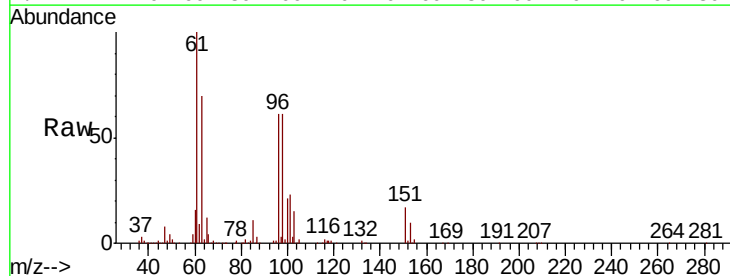
Tgt Ion: 96 Resp: 253770

Ion Ratio Lower Upper

96 100

61 165.1 115.9 215.3

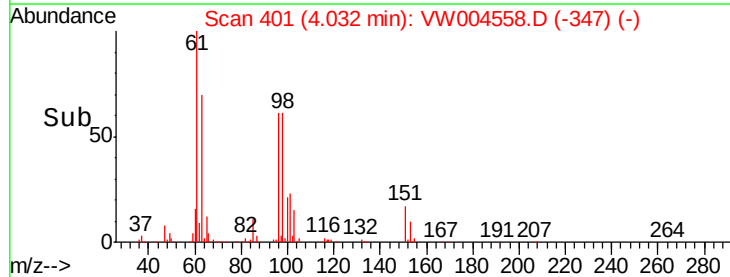
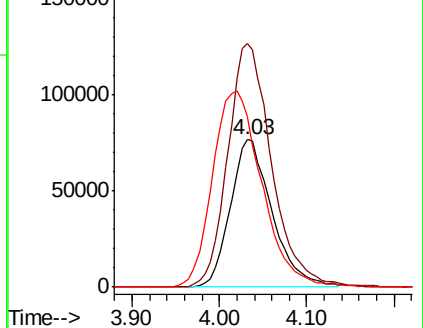
63 115.4 78.0 144.9

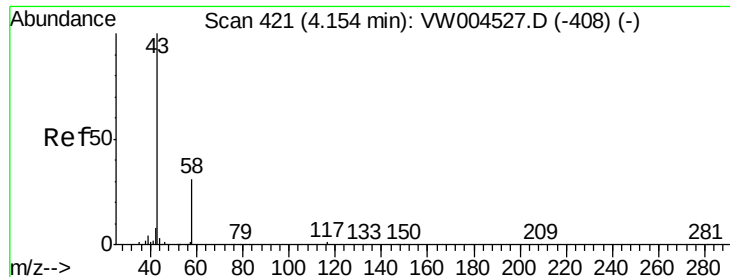


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 59.484 ug/L

RT: 4.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VW004558.D

Acq: 09 Aug 2018 15:38

Instrument :

MSVOA_W

ClientSampleId :

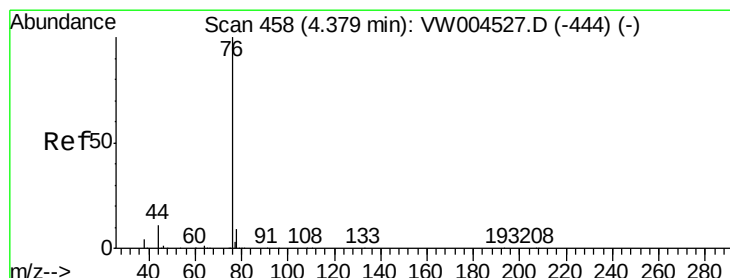
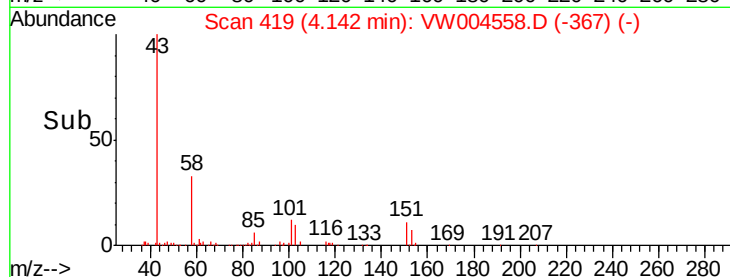
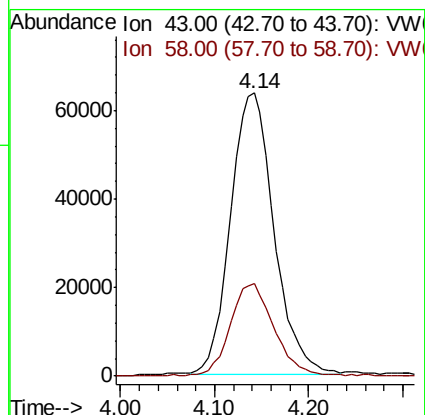
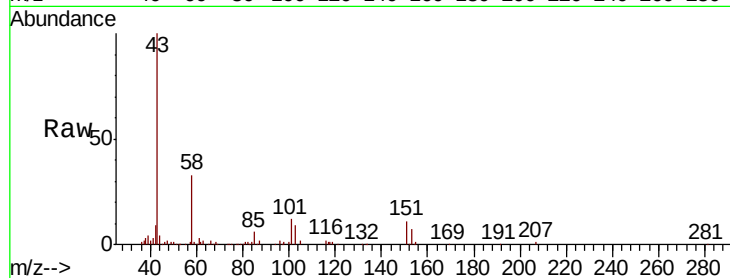
BFB

Tgt Ion: 43 Resp: 205033

Ion Ratio Lower Upper

43 100

58 32.8 0.0 66.4



#14

Carbon disulfide

Concen: 24.629 ug/L

RT: 4.37 min Scan# 457

Delta R.T. -0.01 min

Lab File: VW004558.D

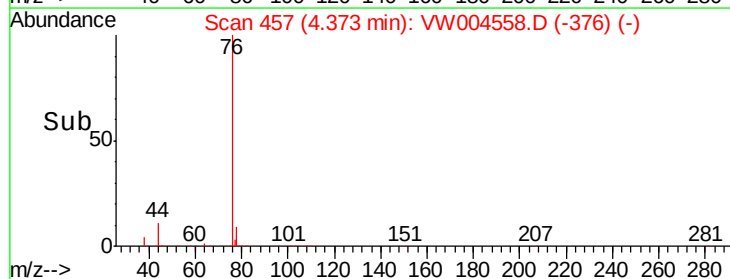
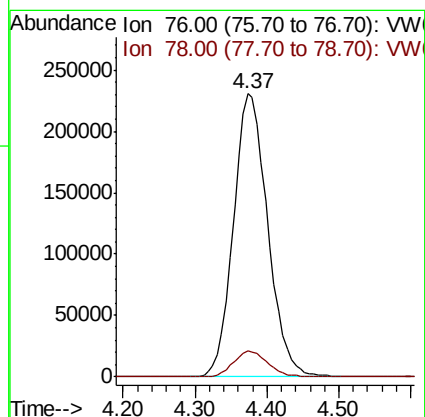
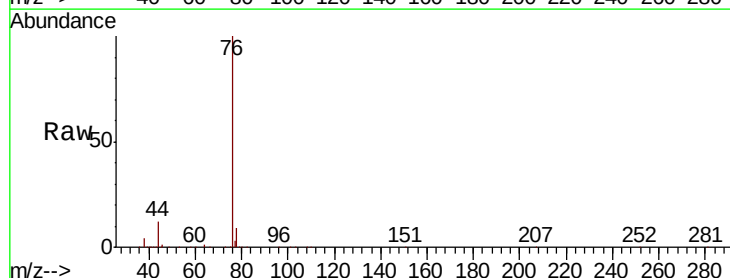
Acq: 09 Aug 2018 15:38

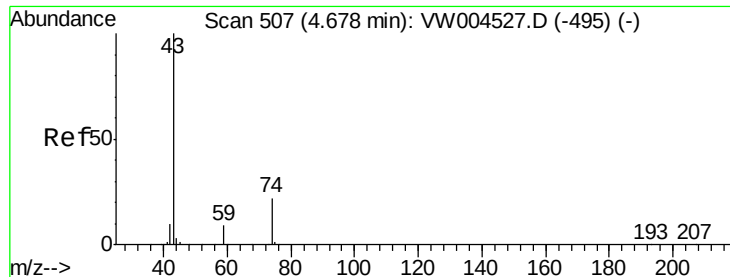
Tgt Ion: 76 Resp: 759887

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8





#15

Methyl Acetate

Concen: 24.979 ug/L

RT: 4.67 min Scan# 506

Delta R.T. -0.01 min

Lab File: VW004558.D

Acq: 09 Aug 2018 15:38

Instrument :

MSVOA_W

ClientSampleId :

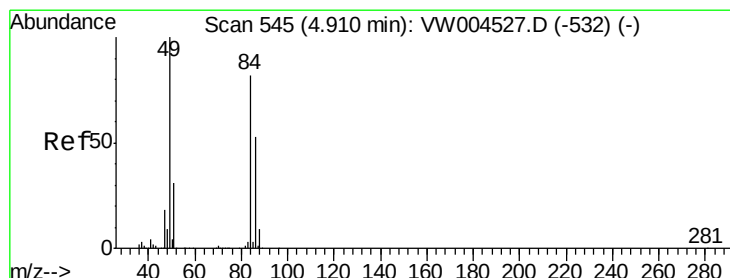
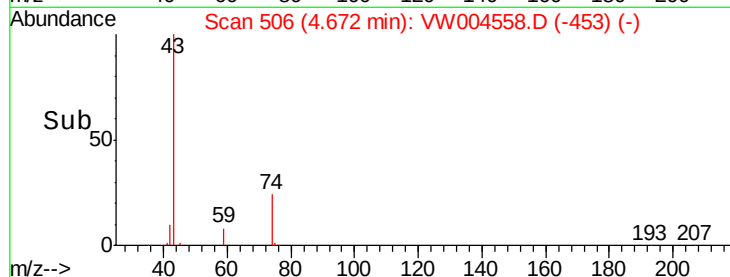
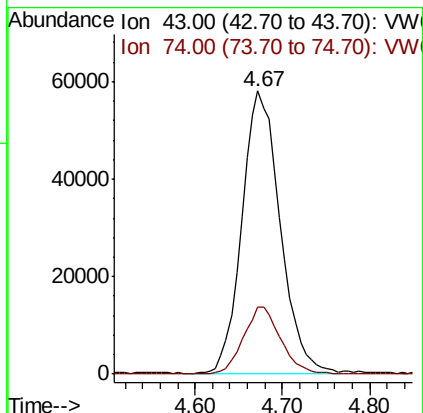
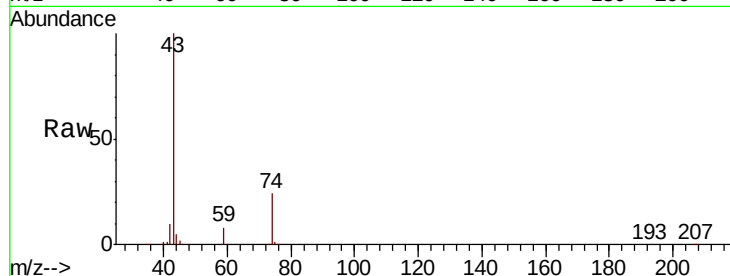
BFB

Tgt Ion: 43 Resp: 175491

Ion Ratio Lower Upper

43 100

74 23.3 18.6 28.0



#16

Methylene chloride

Concen: 21.270 ug/L

RT: 4.91 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW004558.D

Acq: 09 Aug 2018 15:38

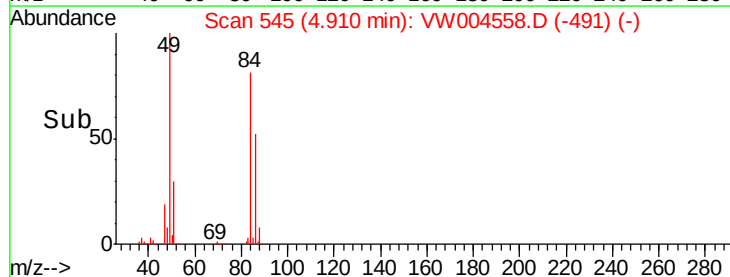
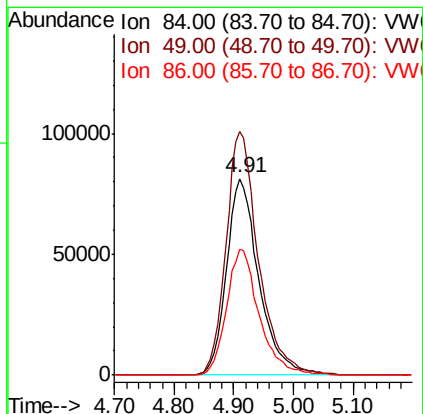
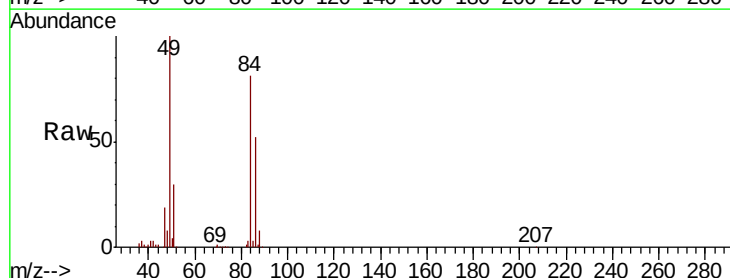
Tgt Ion: 84 Resp: 306482

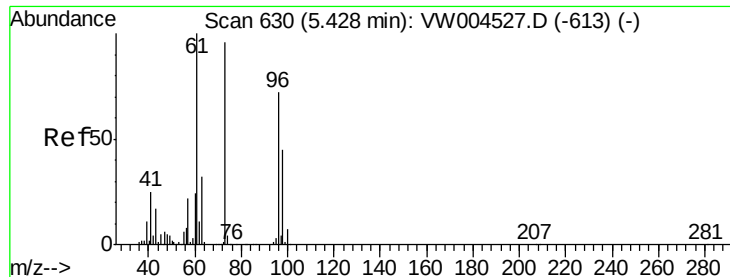
Ion Ratio Lower Upper

84 100

49 124.0 86.0 159.6

86 64.1 43.5 80.9

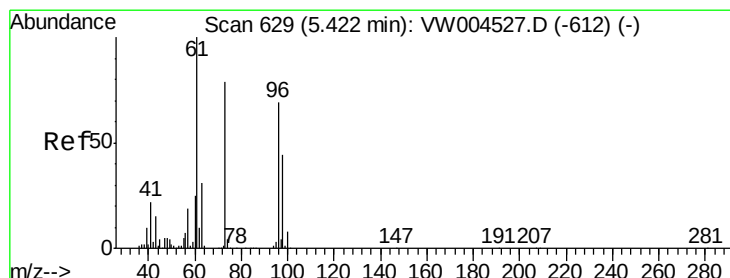
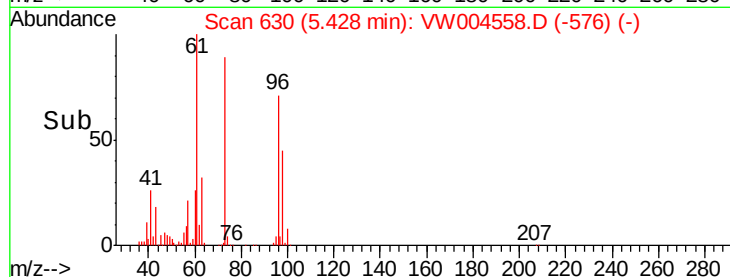
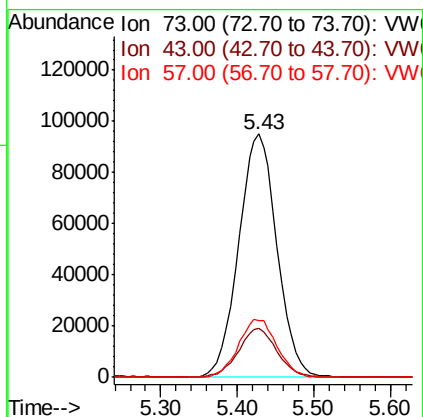
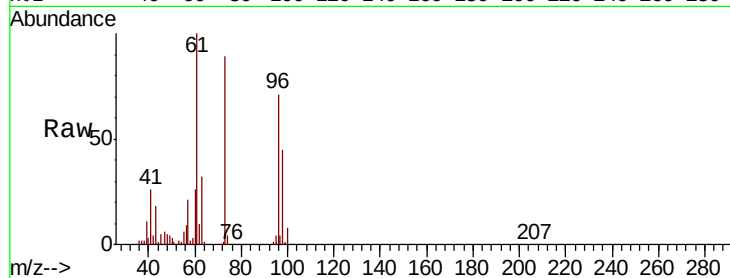




#17
Methyl tert-butyl Ether
Concen: 24.305 ug/L
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW004558.D
Acq: 09 Aug 2018 15:38

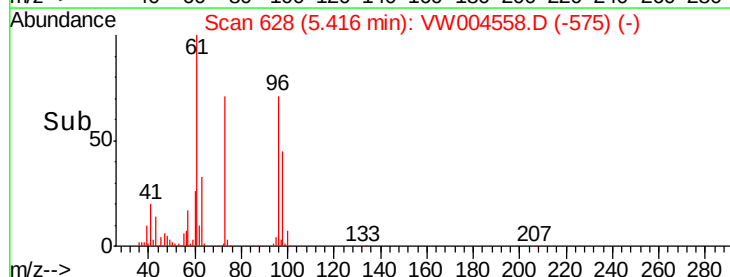
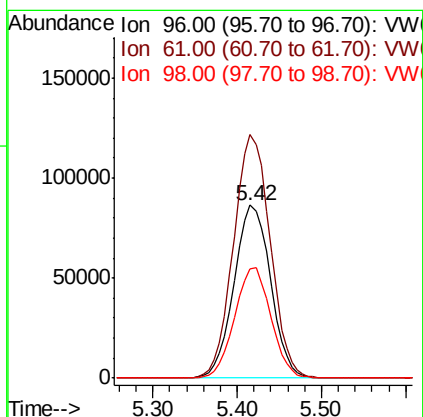
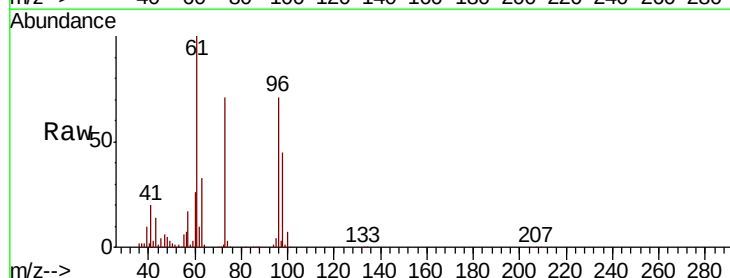
Instrument :
MSVOA_W
ClientSampled :
BFB

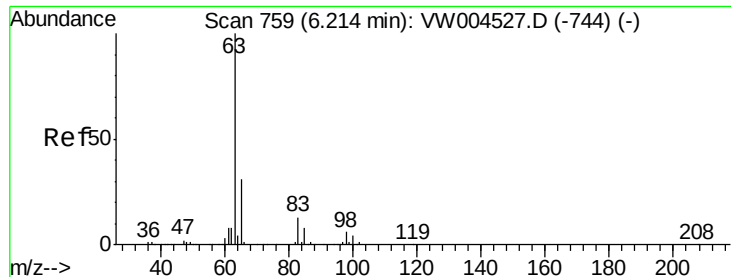
Tgt Ion: 73 Resp: 330930
Ion Ratio Lower Upper
73 100
43 19.9 16.2 24.2
57 24.1 18.9 28.3



#18
trans-1,2-Dichloroethene
Concen: 24.818 ug/L
RT: 5.42 min Scan# 628
Delta R.T. -0.01 min
Lab File: VW004558.D
Acq: 09 Aug 2018 15:38

Tgt Ion: 96 Resp: 255299
Ion Ratio Lower Upper
96 100
61 141.0 97.9 181.7
98 63.6 43.0 79.8

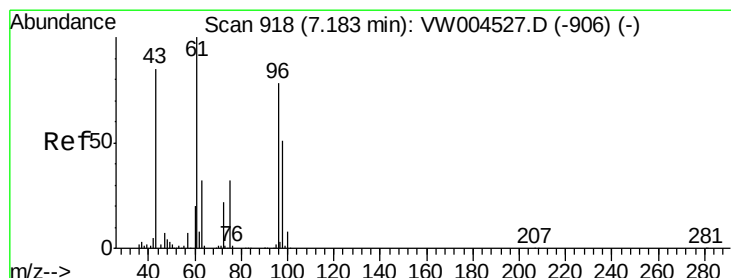
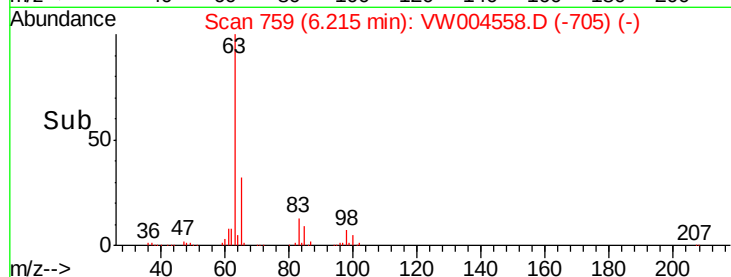
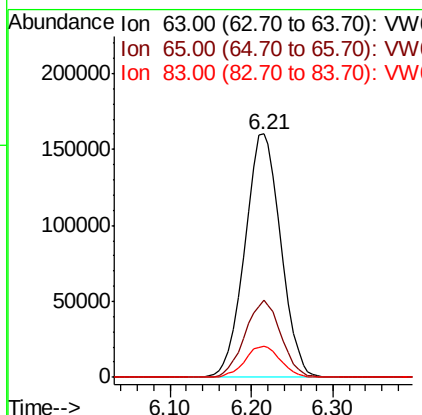
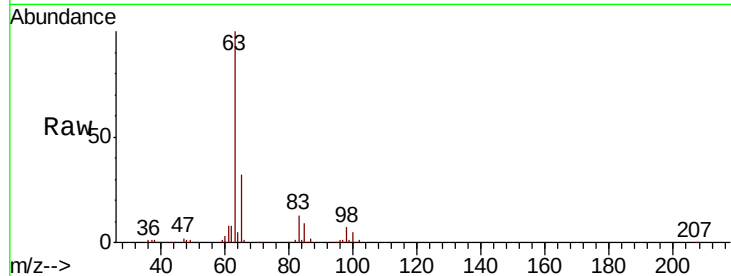




#19
 1,1-Dichloroethane
 Concen: 25.142 ug/L
 RT: 6.21 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: VW004558.D
 Acq: 09 Aug 2018 15:38

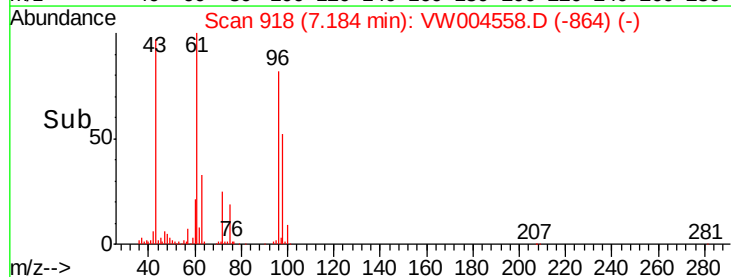
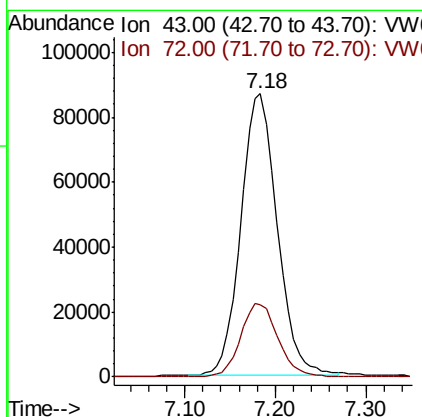
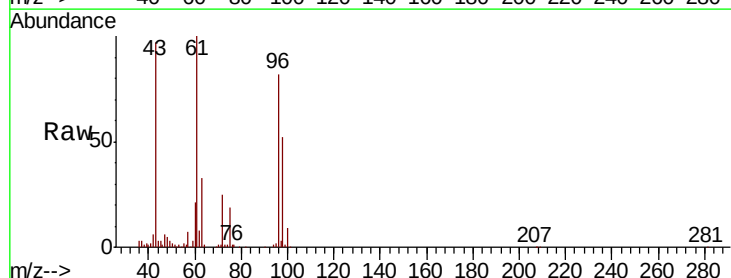
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

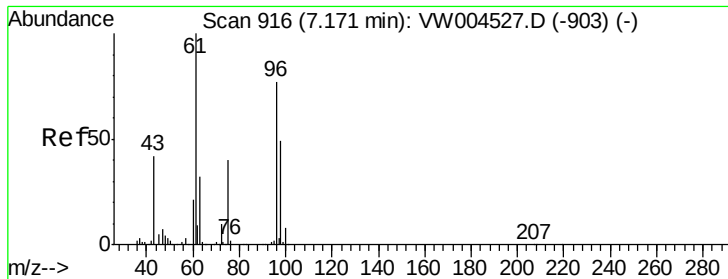
Tgt Ion: 63 Resp: 490773
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.5 41.7
 83 12.6 9.3 17.3



#21
 2-Butanone
 Concen: 51.184 ug/L
 RT: 7.18 min Scan# 918
 Delta R.T. 0.00 min
 Lab File: VW004558.D
 Acq: 09 Aug 2018 15:38

Tgt Ion: 43 Resp: 241487
 Ion Ratio Lower Upper
 43 100
 72 26.6 13.2 39.6



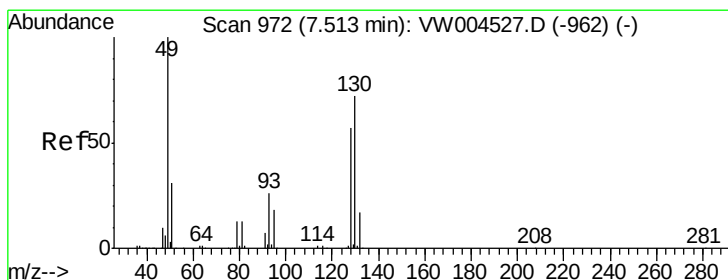
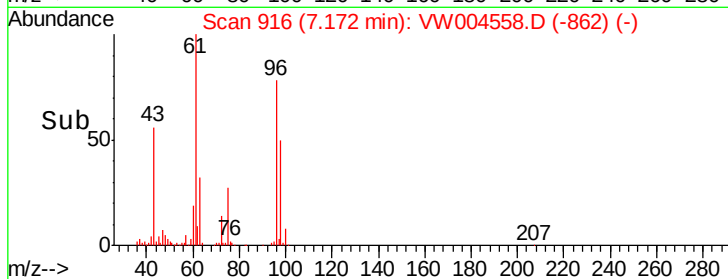
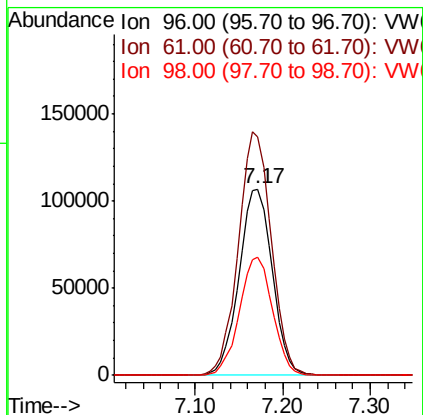
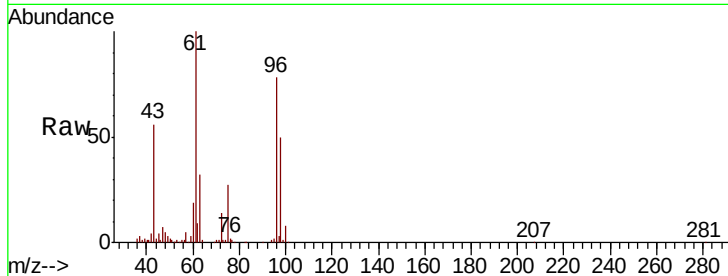


#22

cis-1,2-Dichloroethene
 Concen: 25.161 ug/L
 RT: 7.17 min Scan# 916
 Delta R.T. 0.00 min
 Lab File: VW004558.D
 Acq: 09 Aug 2018 15:38

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

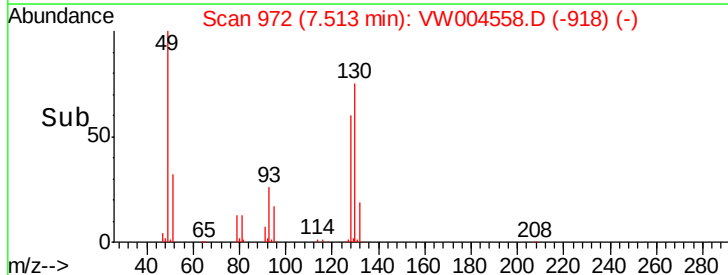
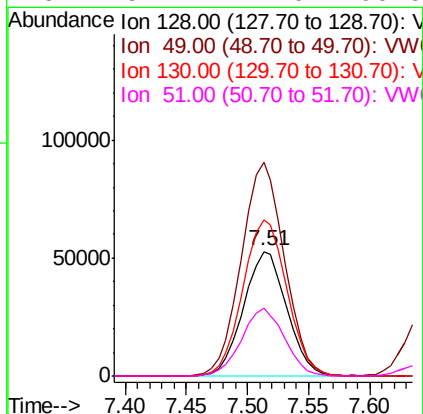
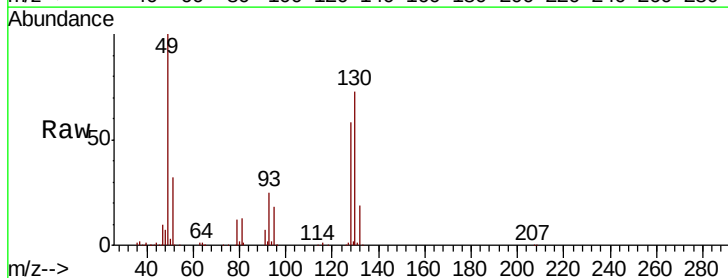
Tgt Ion: 96 Resp: 282498
 Ion Ratio Lower Upper
 96 100
 61 128.0 92.5 171.7
 98 63.7 44.1 81.9

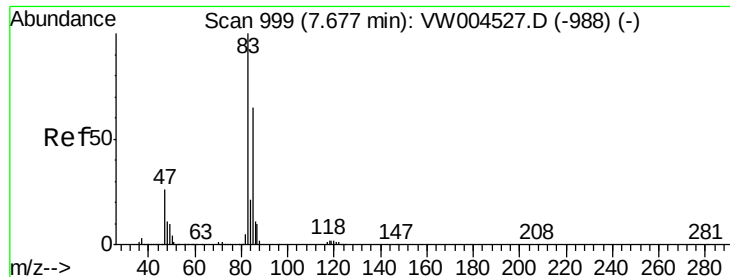


#23

Bromochloromethane
 Concen: 24.148 ug/L
 RT: 7.51 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VW004558.D
 Acq: 09 Aug 2018 15:38

Tgt Ion: 128 Resp: 129766
 Ion Ratio Lower Upper
 128 100
 49 171.6 122.0 226.6
 130 125.4 88.8 164.8
 51 54.1 44.0 66.0





#25

Chloroform

Concen: 24.793 ug/L

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW004558.D

Acq: 09 Aug 2018 15:38

Instrument :

MSVOA_W

ClientSampleId :

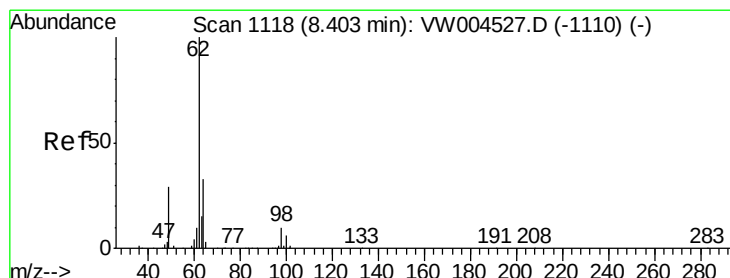
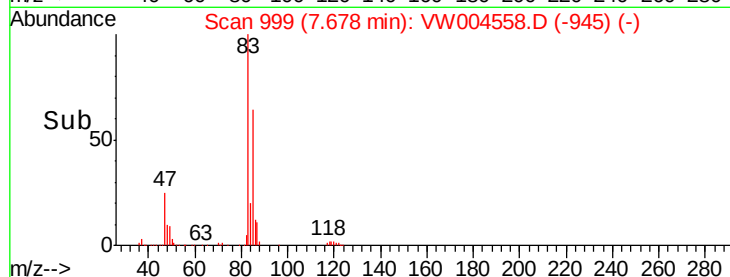
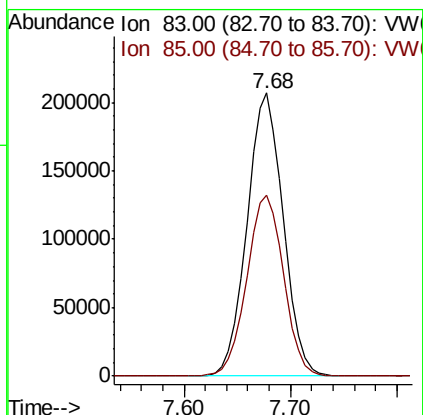
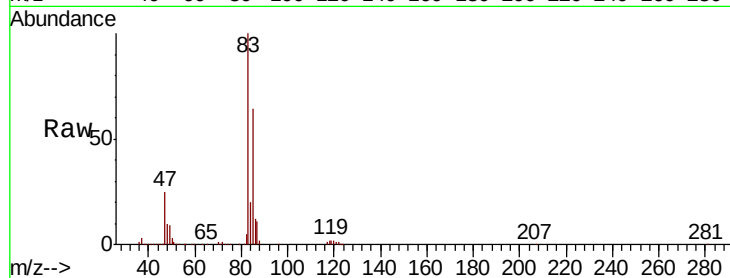
BFB

Tgt Ion: 83 Resp: 493985

Ion Ratio Lower Upper

83 100

85 65.0 45.7 84.9



#27

1,2-Dichloroethane

Concen: 23.837 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW004558.D

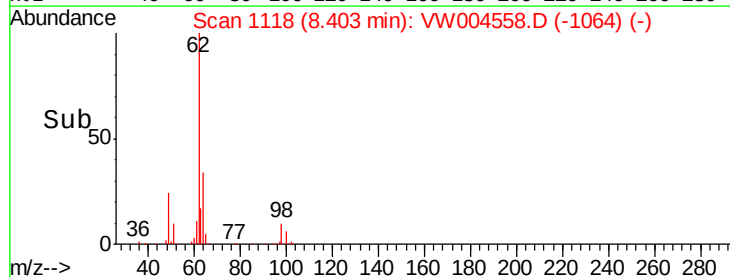
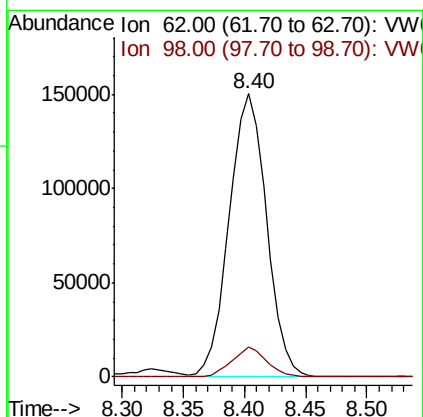
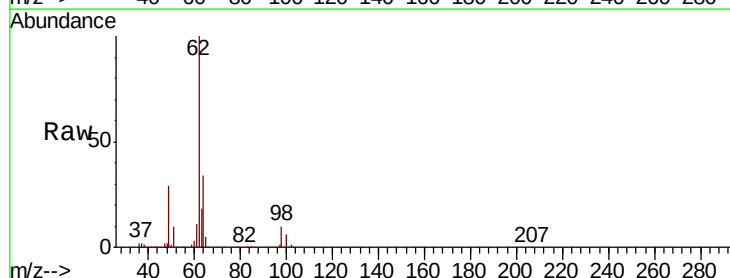
Acq: 09 Aug 2018 15:38

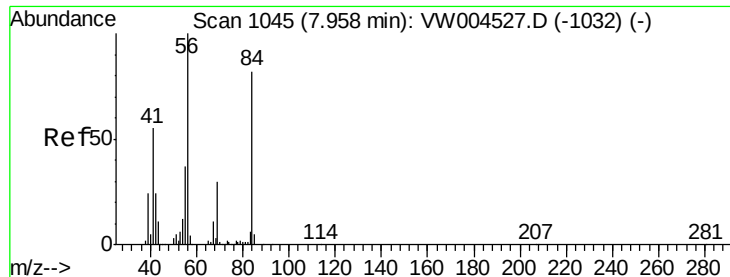
Tgt Ion: 62 Resp: 319071

Ion Ratio Lower Upper

62 100

98 10.5 7.6 11.4

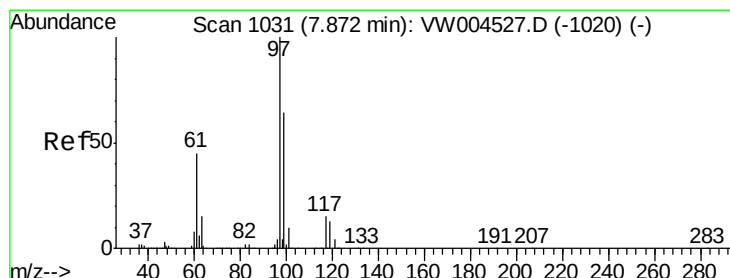
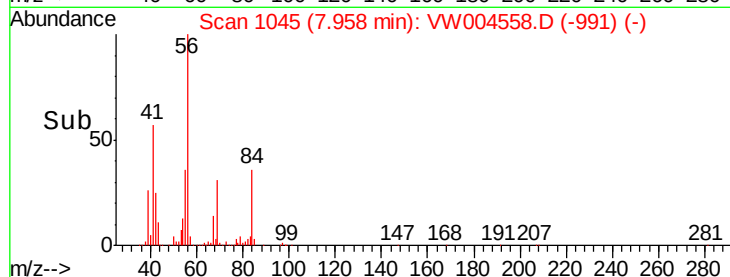
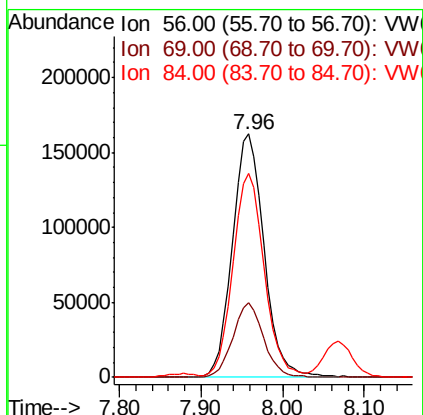
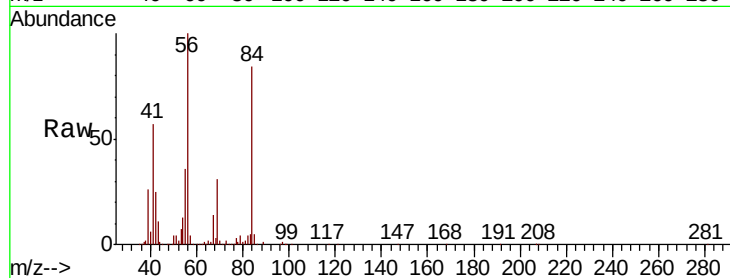




#30
Cyclohexane
Concen: 26.049 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW004558.D
Acq: 09 Aug 2018 15:38

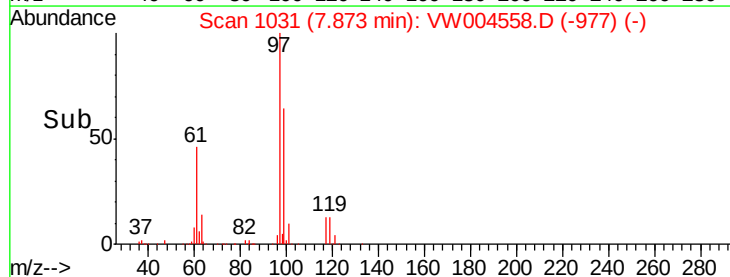
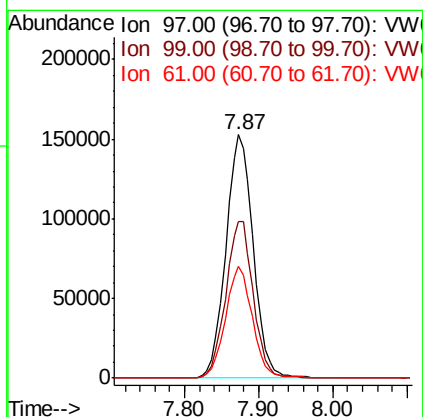
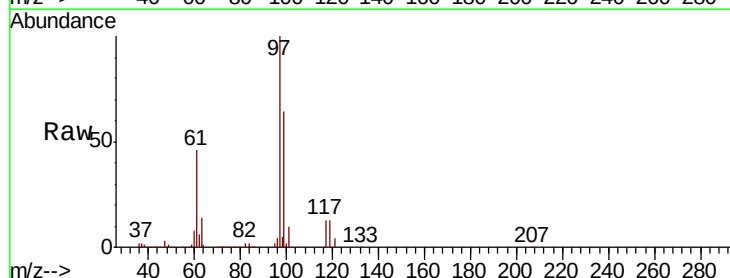
Instrument :
MSVOA_W
ClientSampleId :
BFB

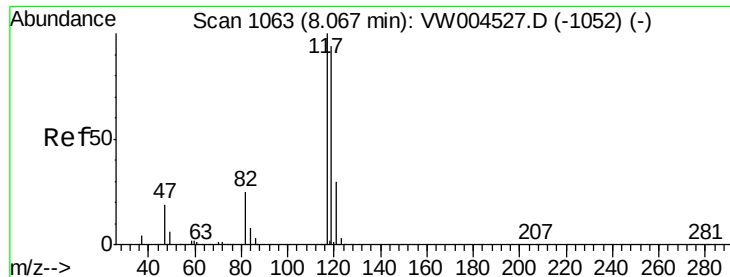
Tgt Ion: 56 Resp: 435661
Ion Ratio Lower Upper
56 100
69 29.8 24.0 36.0
84 82.8 66.7 100.1



#31
1,1,1-Trichloroethane
Concen: 26.002 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004558.D
Acq: 09 Aug 2018 15:38

Tgt Ion: 97 Resp: 390683
Ion Ratio Lower Upper
97 100
99 64.6 51.8 77.6
61 45.3 37.3 55.9





#32

Carbon tetrachloride

Concen: 25.350 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW004558.D

Acq: 09 Aug 2018 15:38

Instrument :

MSVOA_W

ClientSampleId :

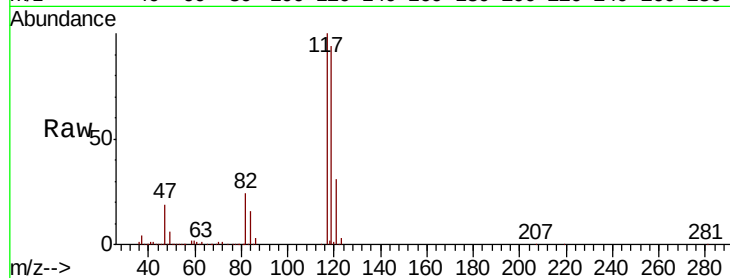
BFB

Tgt Ion:117 Resp: 367067

Ion Ratio Lower Upper

117 100

119 96.2 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

150000

100000

50000

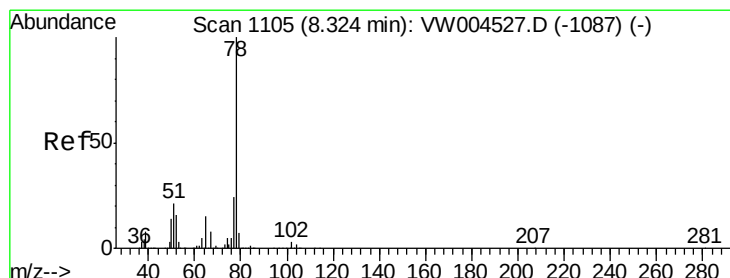
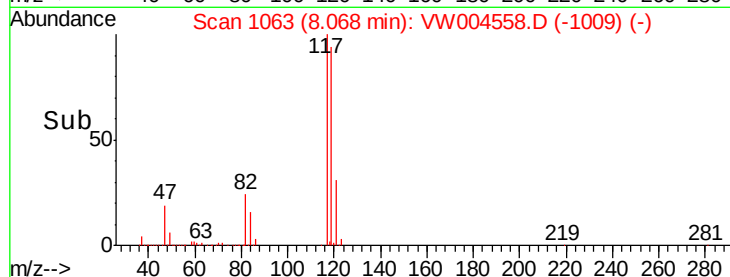
0

8.07

8.10

8.20

Time-->



#34

Benzene

Concen: 24.996 ug/L

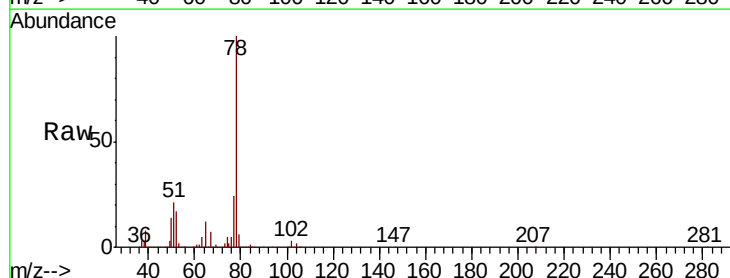
RT: 8.32 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VW004558.D

Acq: 09 Aug 2018 15:38

Tgt Ion: 78 Resp: 1089862



Abundance Ion 78.00 (77.70 to 78.70): VW

500000

400000

300000

200000

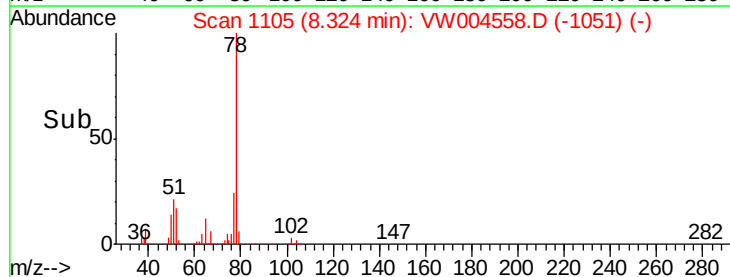
100000

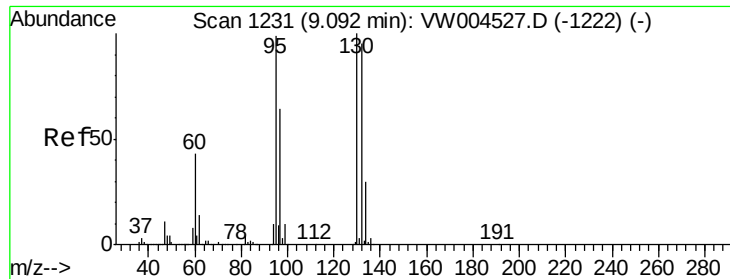
0

8.32

8.40

Time-->

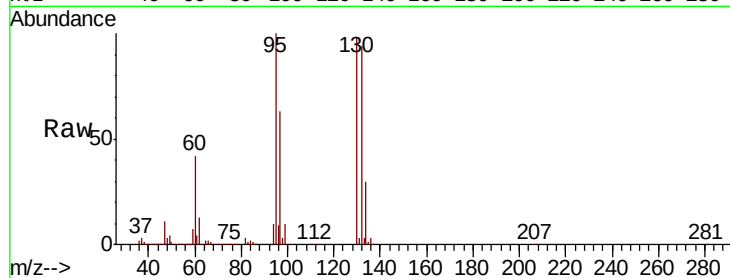




#35
 Trichloroethene
 Concen: 24.530 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VW004558.D
 Acq: 09 Aug 2018 15:38

Instrument :
 MSVOA_W
 ClientSampled :
 BFB

Tgt Ion:	95	Resp:	269025
Ion	Ratio	Lower	Upper
95	100		
97	63.7	44.9	83.5
132	96.0	67.6	125.6
130	100.7	69.1	128.3



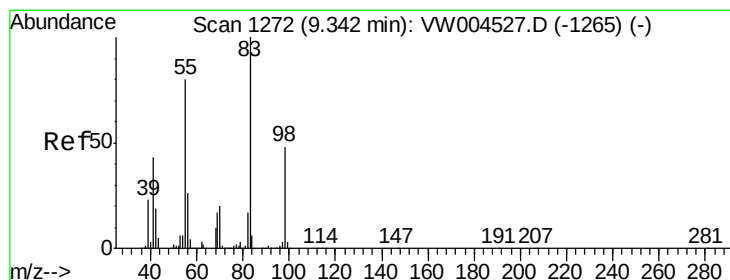
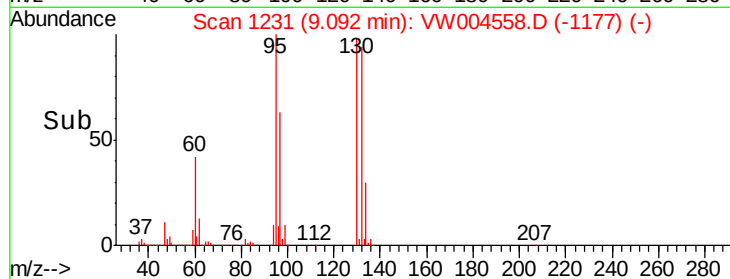
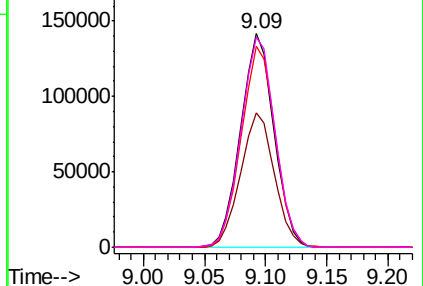
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

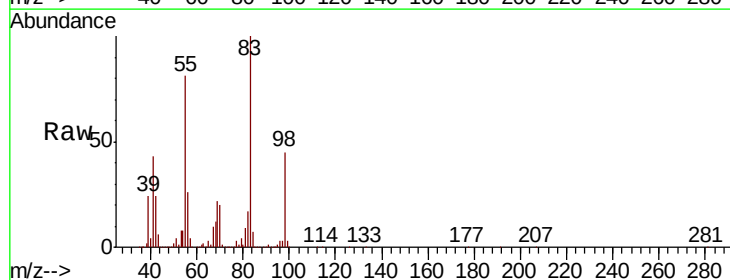
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36
 Methylcyclohexane
 Concen: 25.724 ug/L
 RT: 9.34 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: VW004558.D
 Acq: 09 Aug 2018 15:38

Tgt Ion:	83	Resp:	495250
Ion	Ratio	Lower	Upper
83	100		
55	80.6	62.8	94.2
98	45.6	36.6	54.8

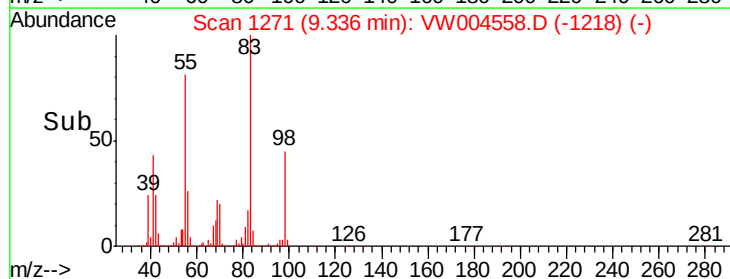
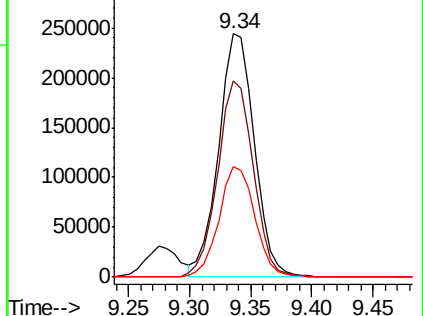


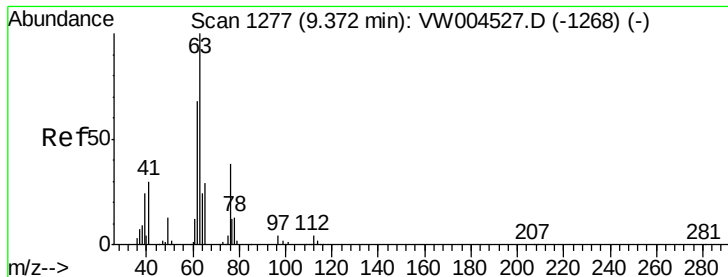
Abundance

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: 25.042 ug/L

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW004558.D

Acq: 09 Aug 2018 15:38

Instrument :

MSVOA_W

ClientSampleId :

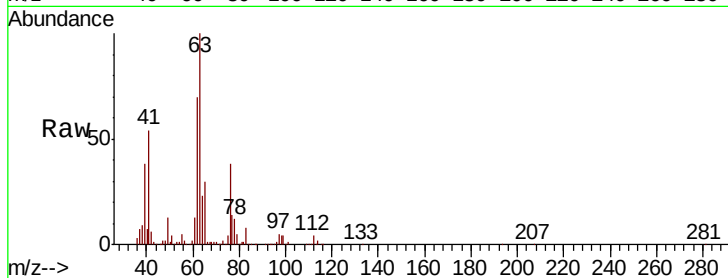
BFB

Tgt Ion: 63 Resp: 289183

Ion Ratio Lower Upper

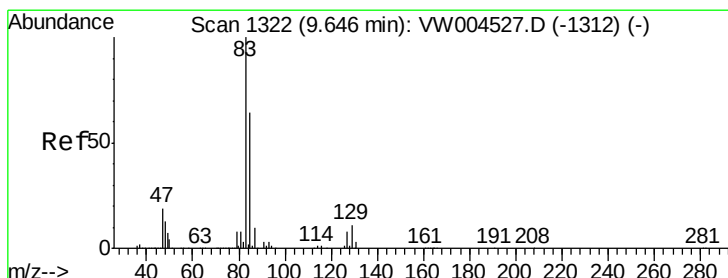
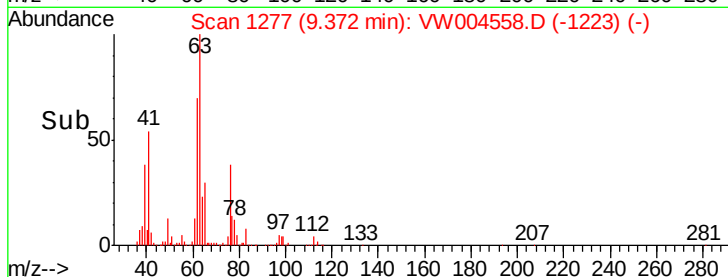
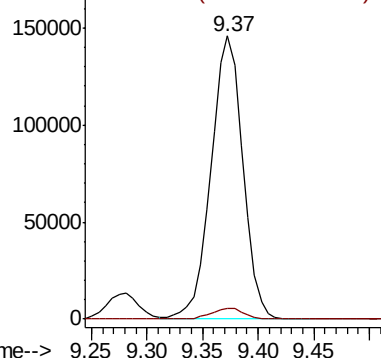
63 100

112 4.0 3.0 4.6



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 24.053 ug/L

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004558.D

Acq: 09 Aug 2018 15:38

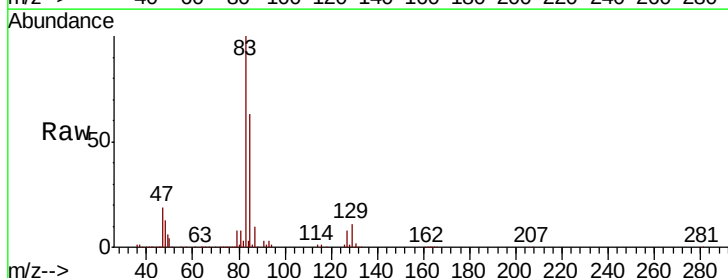
Tgt Ion: 83 Resp: 333646

Ion Ratio Lower Upper

83 100

85 62.8 43.7 81.1

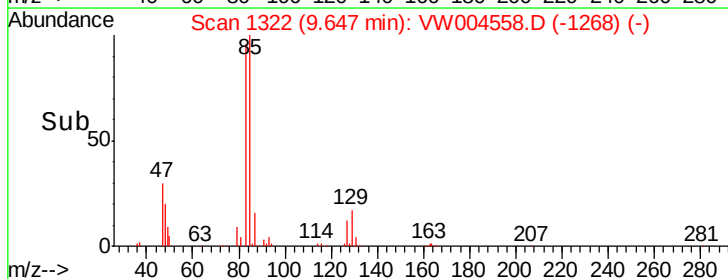
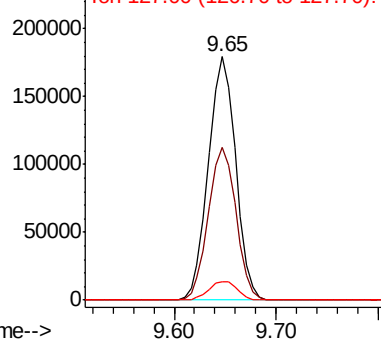
127 7.8 6.6 10.0

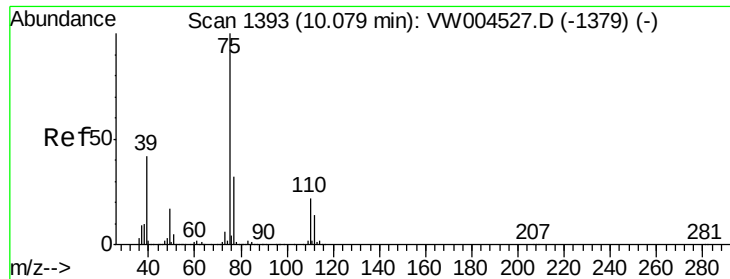


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 24.410 ug/L

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW004558.D

Acq: 09 Aug 2018 15:38

Instrument :

MSVOA_W

ClientSampleId :

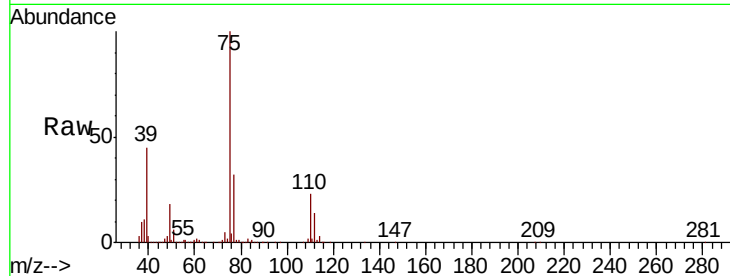
BFB

Tgt Ion: 75 Resp: 385603

Ion Ratio Lower Upper

75 100

77 32.3 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

200000

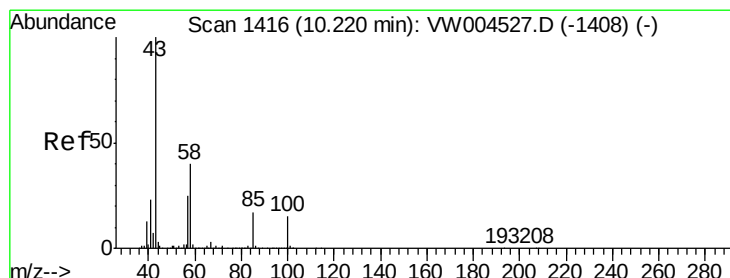
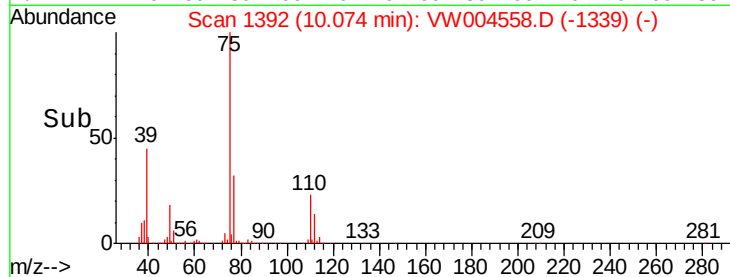
150000

100000

50000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 51.157 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. -0.01 min

Lab File: VW004558.D

Acq: 09 Aug 2018 15:38

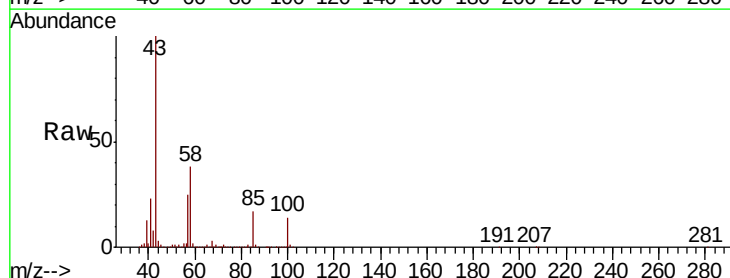
Tgt Ion: 43 Resp: 442945

Ion Ratio Lower Upper

43 100

58 38.9 31.5 47.3

100 14.5 11.7 17.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

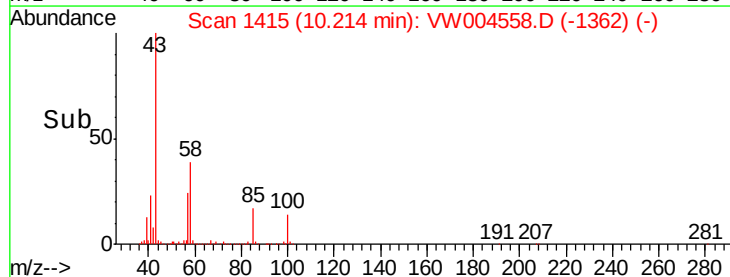
300000

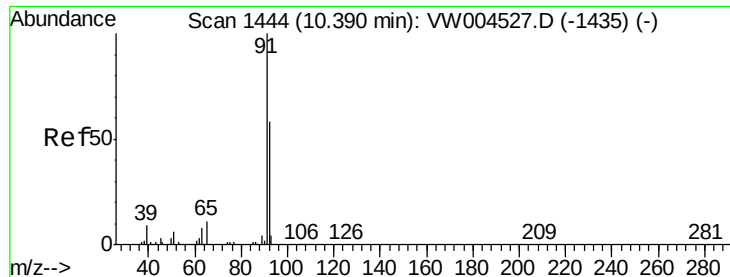
200000

100000

0

Time-->





#44

Toluene

Concen: 26.163 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004558.D

Acq: 09 Aug 2018 15:38

Instrument :

MSVOA_W

ClientSampled :

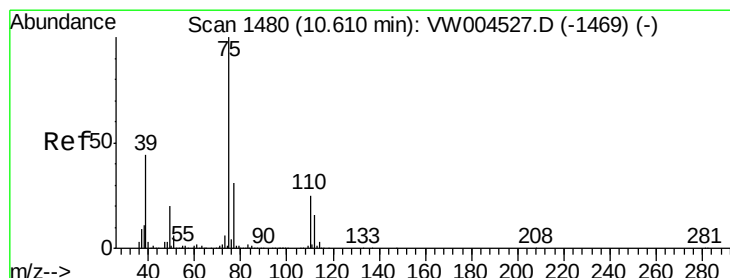
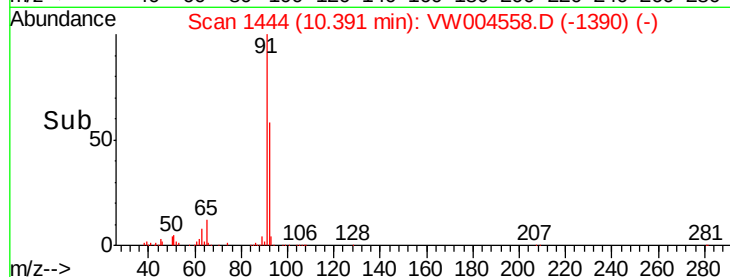
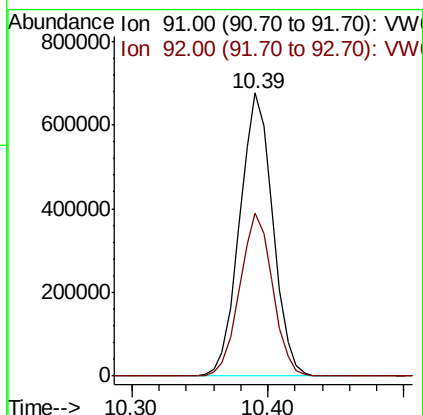
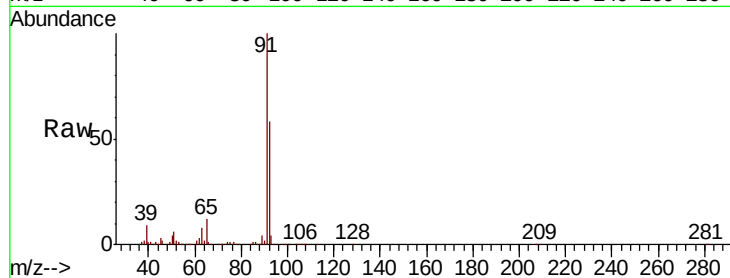
BFB

Tgt Ion: 91 Resp: 1147941

Ion Ratio Lower Upper

91 100

92 57.6 40.8 75.8



#45

trans-1,3-Dichloropropene

Concen: 24.857 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004558.D

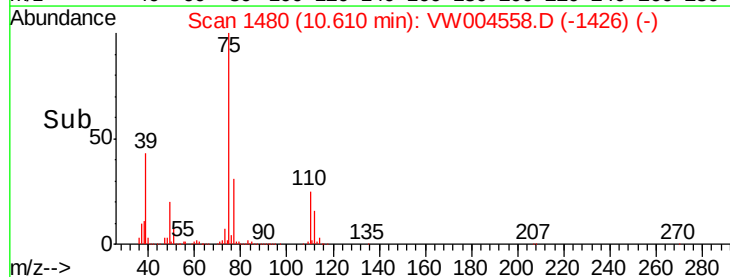
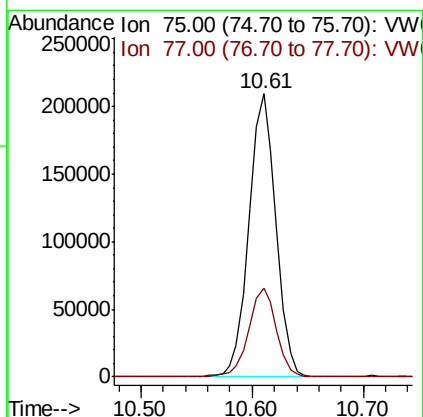
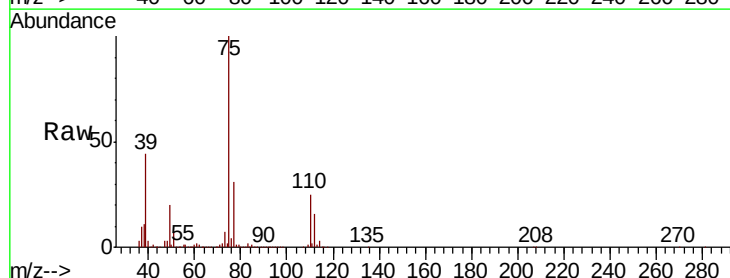
Acq: 09 Aug 2018 15:38

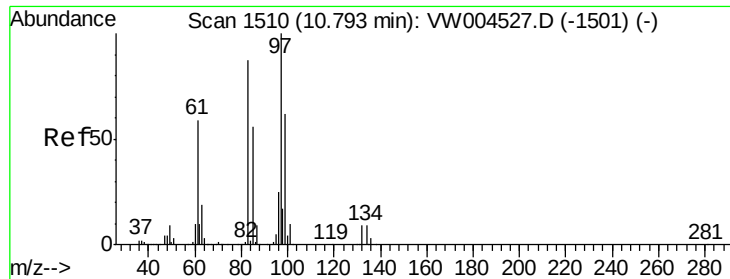
Tgt Ion: 75 Resp: 352968

Ion Ratio Lower Upper

75 100

77 31.3 21.8 40.6

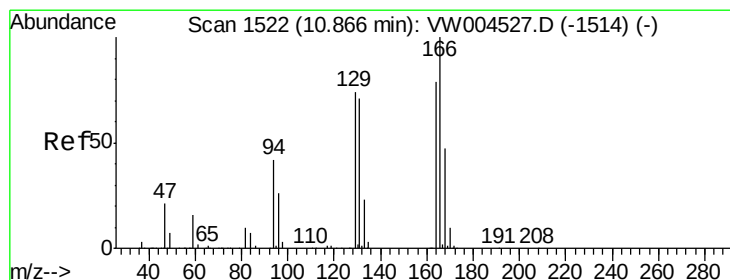
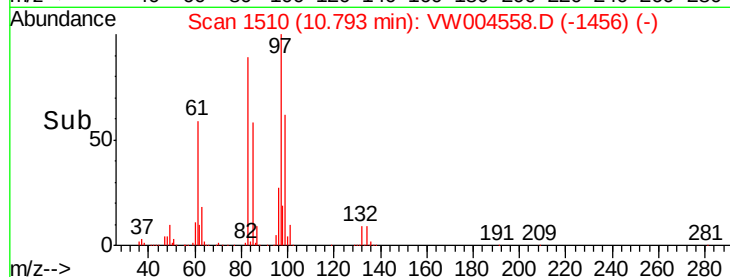
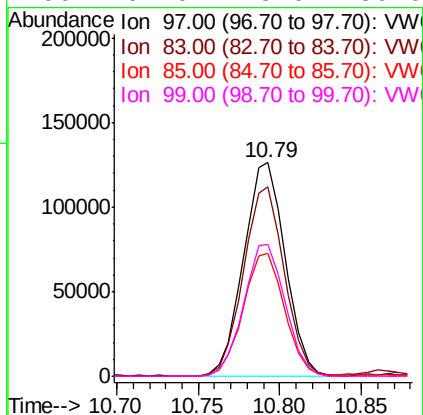
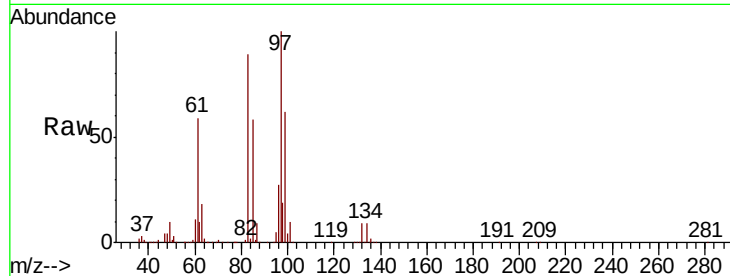




#46
 1,1,2-Trichloroethane
 Concen: 24.980 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004558.D
 Acq: 09 Aug 2018 15:38

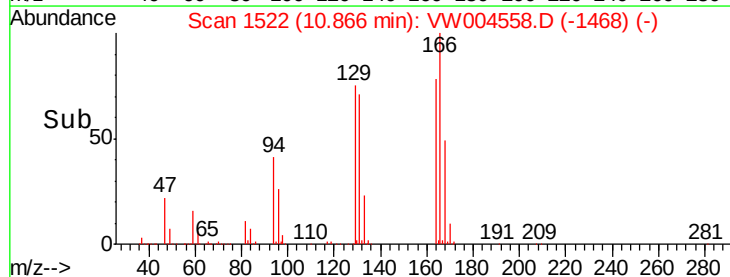
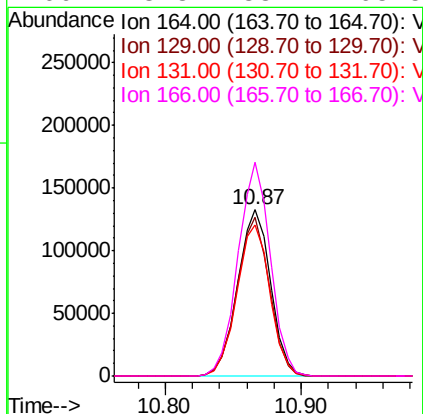
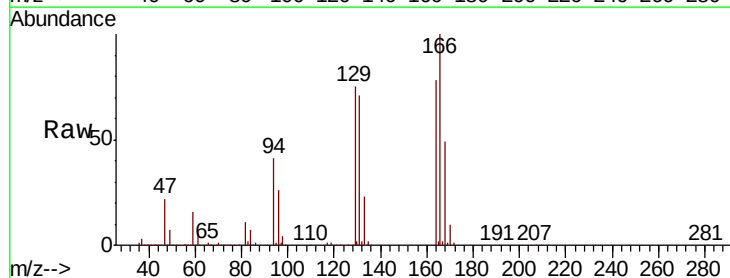
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

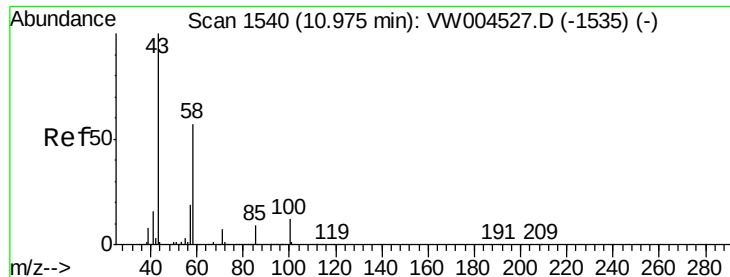
Tgt Ion:	97	Resp:	224258
Ion	Ratio	Lower	Upper
97	100		
83	88.8	61.8	114.8
85	57.6	38.8	72.0
99	62.0	43.0	80.0



#47
 Tetrachloroethene
 Concen: 25.823 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. 0.00 min
 Lab File: VW004558.D
 Acq: 09 Aug 2018 15:38

Tgt Ion:	164	Resp:	224079
Ion	Ratio	Lower	Upper
164	100		
129	96.0	65.4	121.4
131	90.9	63.8	118.6
166	128.8	88.1	163.5

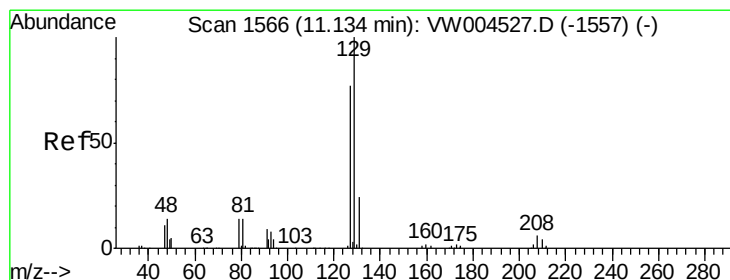
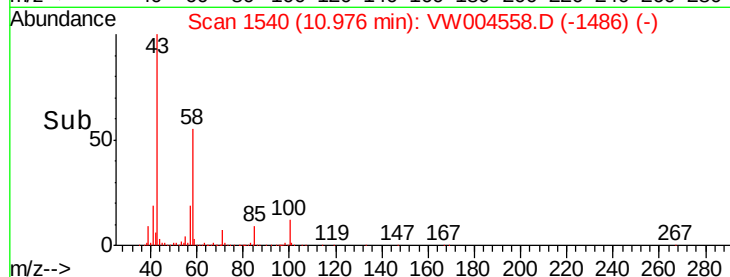
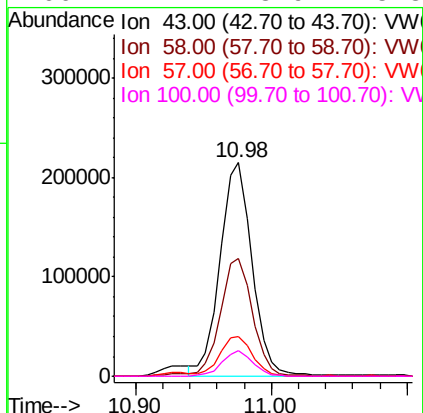
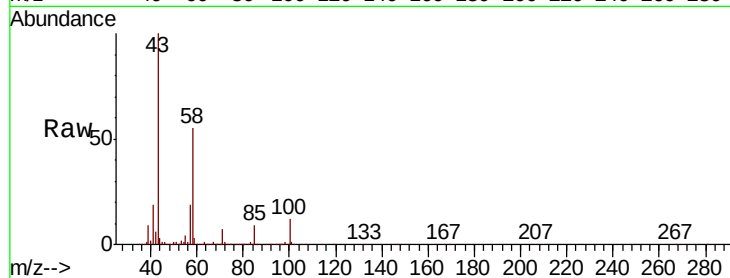




#49
2-Hexanone
Concen: 54.025 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004558.D
Acq: 09 Aug 2018 15:38

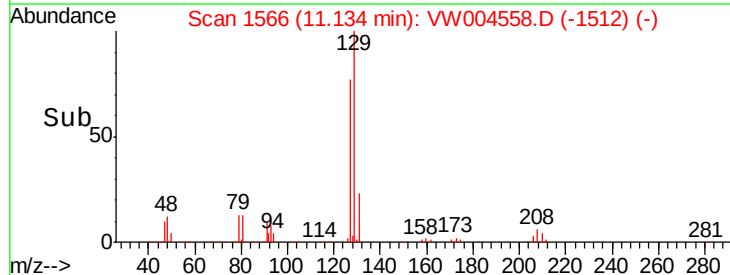
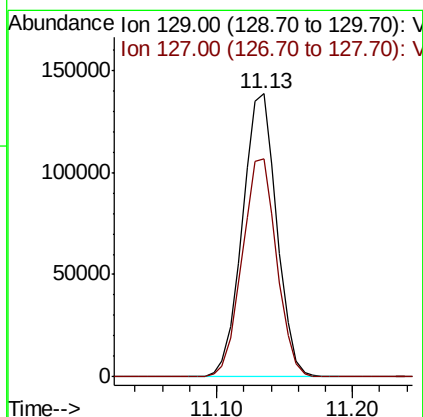
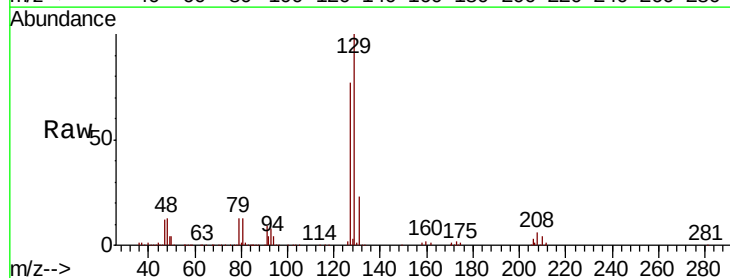
Instrument :
MSVOA_W
ClientSampleId :
BFB

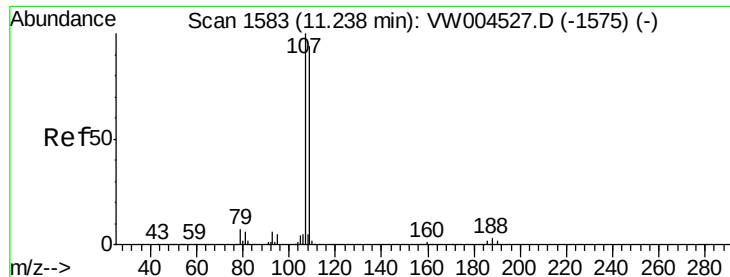
Tgt Ion: 43 Resp: 351524
Ion Ratio Lower Upper
43 100
58 55.0 43.4 65.0
57 19.0 15.0 22.6
100 11.4 8.9 13.3



#50
Dibromochloromethane
Concen: 24.555 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW004558.D
Acq: 09 Aug 2018 15:38

Tgt Ion: 129 Resp: 244541
Ion Ratio Lower Upper
129 100
127 76.9 54.1 100.5

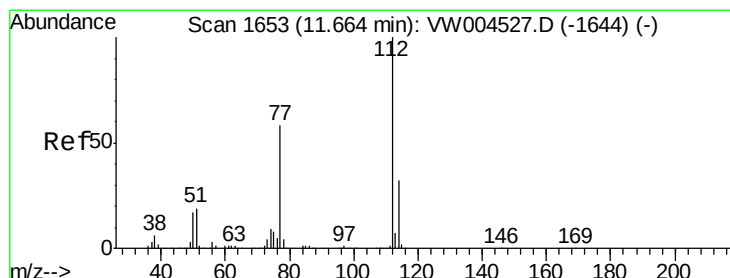
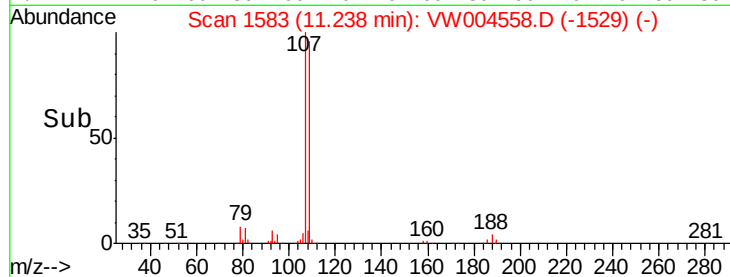
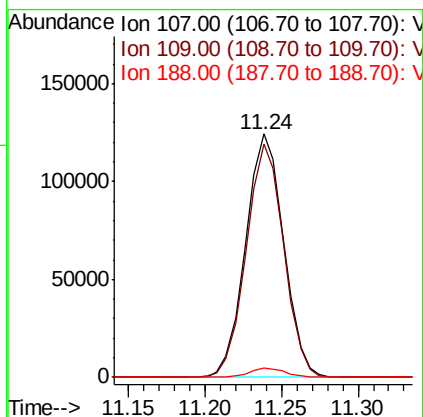
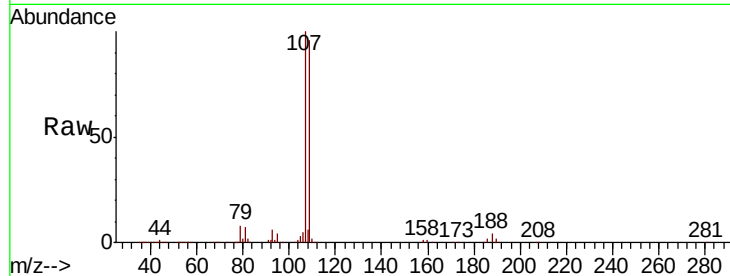




#51
1,2-Dibromoethane
Concen: 24.961 ug/L
RT: 11.24 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VW004558.D
Acq: 09 Aug 2018 15:38

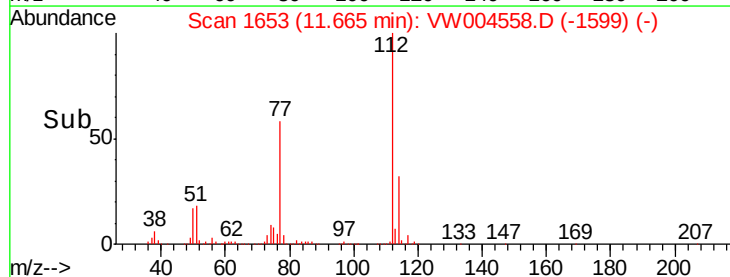
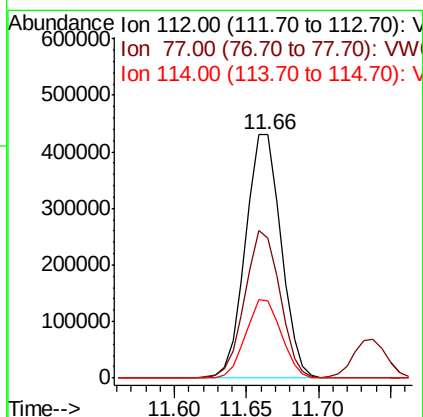
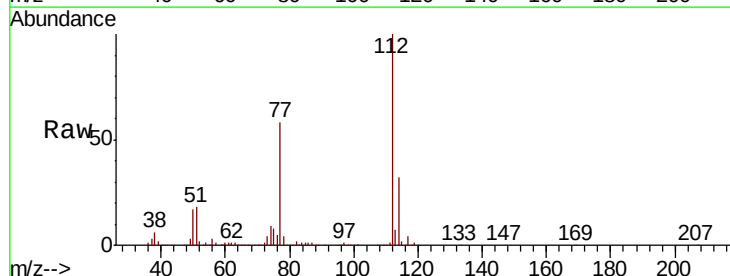
Instrument :
MSVOA_W
ClientSampleId :
BFB

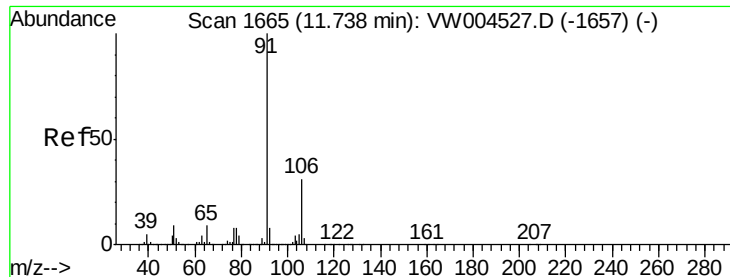
Tgt Ion:107 Resp: 214797
Ion Ratio Lower Upper
107 100
109 95.7 66.8 124.2
188 3.7 2.6 3.8



#52
Chlorobenzene
Concen: 24.790 ug/L
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW004558.D
Acq: 09 Aug 2018 15:38

Tgt Ion:112 Resp: 735601
Ion Ratio Lower Upper
112 100
77 57.7 46.5 69.7
114 31.8 22.0 41.0





#53

Ethylbenzene

Concen: 25.922 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW004558.D

Acq: 09 Aug 2018 15:38

Instrument :

MSVOA_W

ClientSampleId :

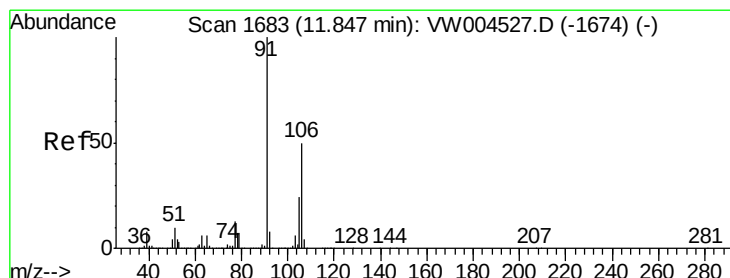
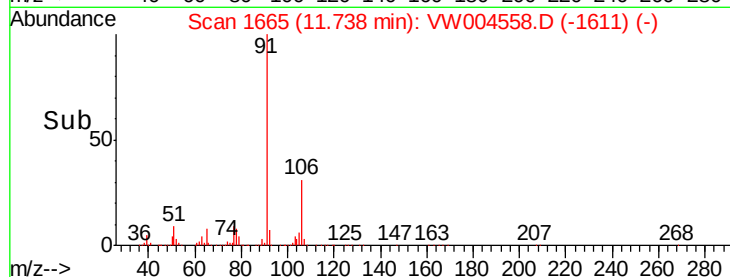
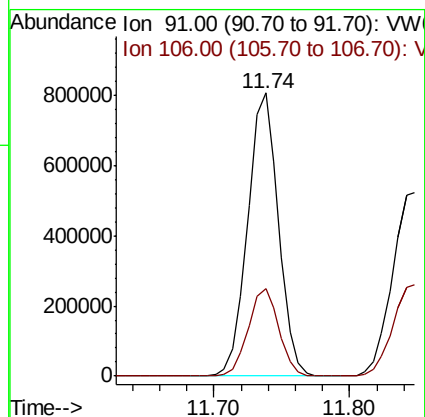
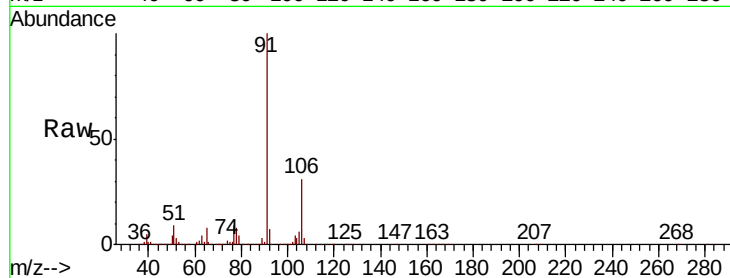
BFB

Tgt Ion: 91 Resp: 1278079

Ion Ratio Lower Upper

91 100

106 31.0 21.6 40.0



#54

m,p-Xylene

Concen: 26.468 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW004558.D

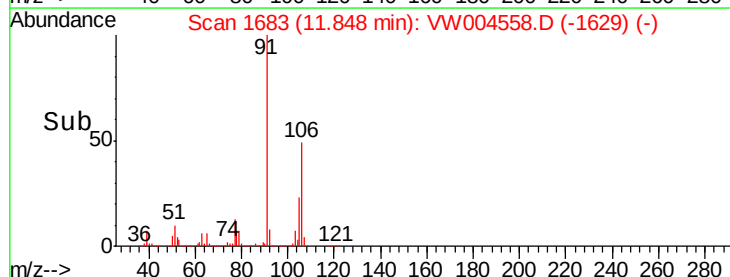
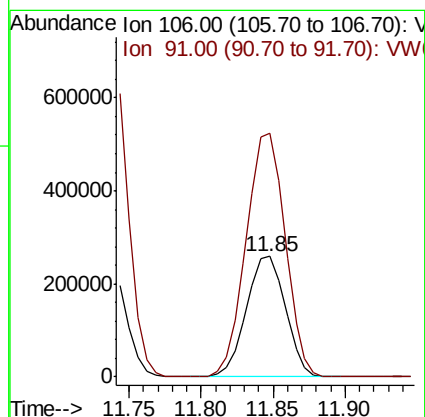
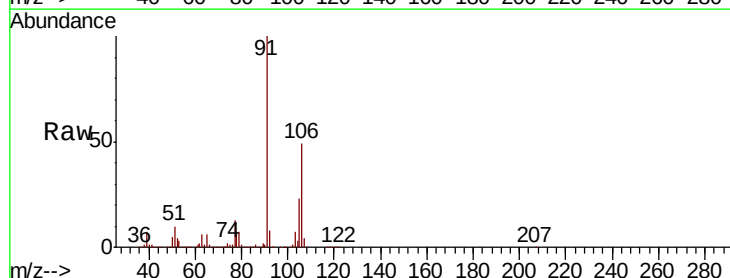
Acq: 09 Aug 2018 15:38

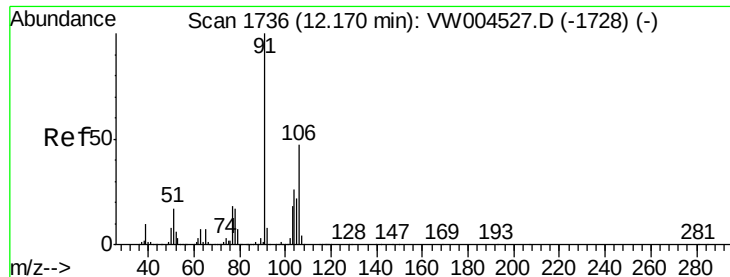
Tgt Ion: 106 Resp: 486895

Ion Ratio Lower Upper

106 100

91 202.1 143.0 265.6





#55

o-xylene

Concen: 26.161 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VW004558.D

Acq: 09 Aug 2018 15:38

Instrument :

MSVOA_W

ClientSampleId :

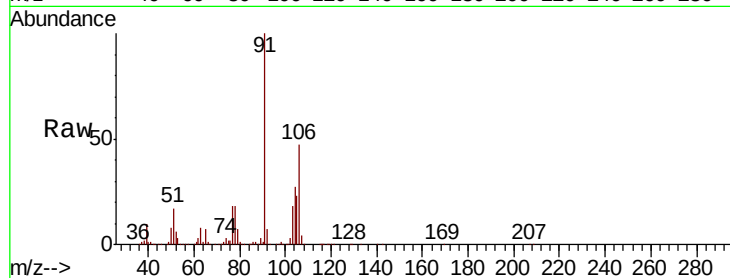
BFB

Tgt Ion:106 Resp: 455987

Ion Ratio Lower Upper

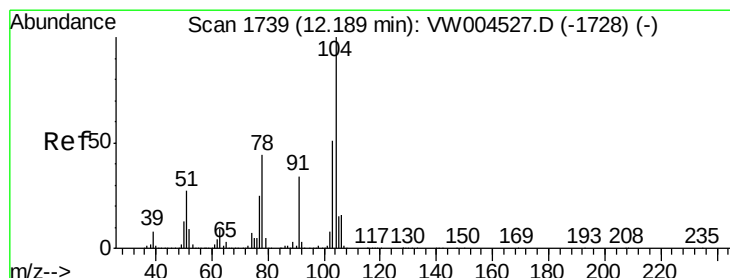
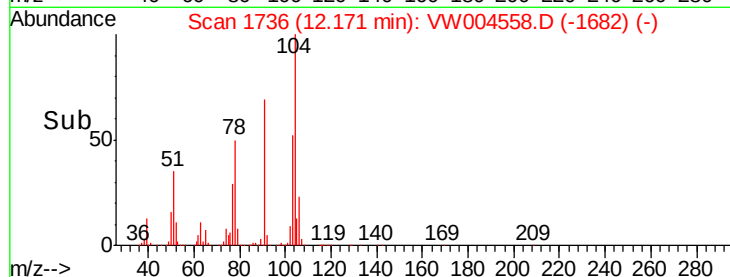
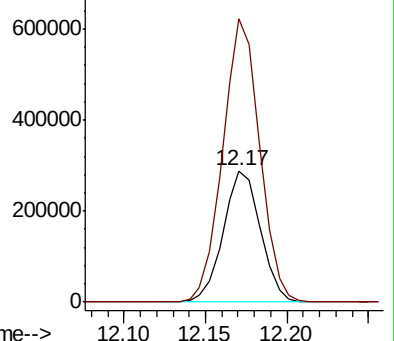
106 100

91 214.9 152.0 282.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 26.971 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VW004558.D

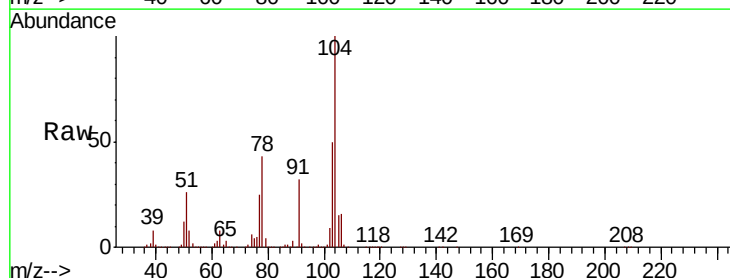
Acq: 09 Aug 2018 15:38

Tgt Ion:104 Resp: 819157

Ion Ratio Lower Upper

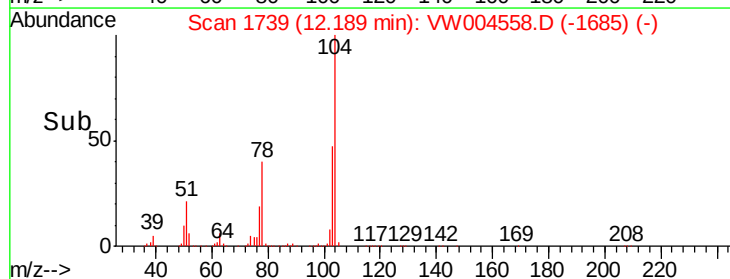
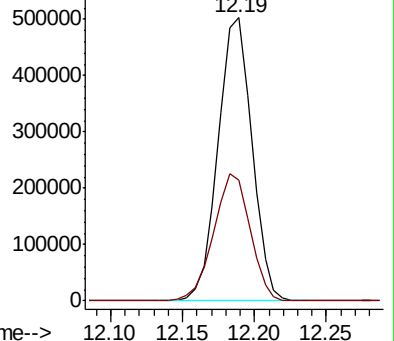
104 100

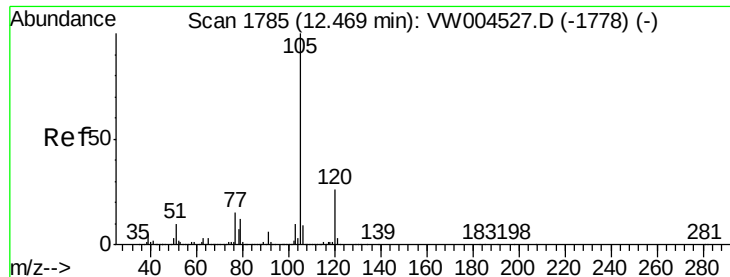
78 42.8 30.8 57.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 27.207 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004558.D

Acq: 09 Aug 2018 15:38

Instrument :

MSVOA_W

ClientSampled :

BFB

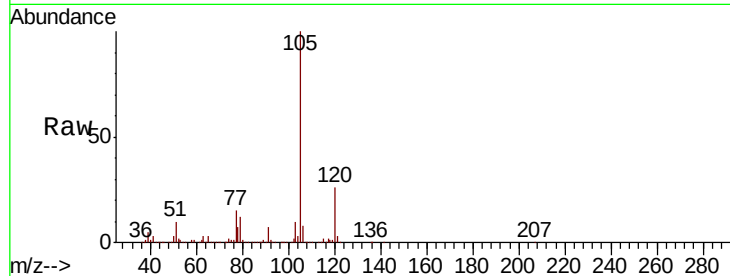
Tgt Ion:105 Resp: 1283614

Ion Ratio Lower Upper

105 100

120 26.4 21.0 31.4

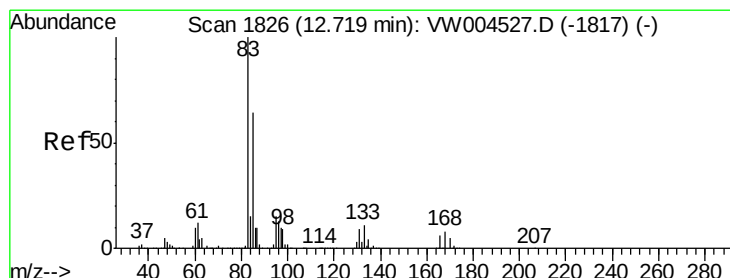
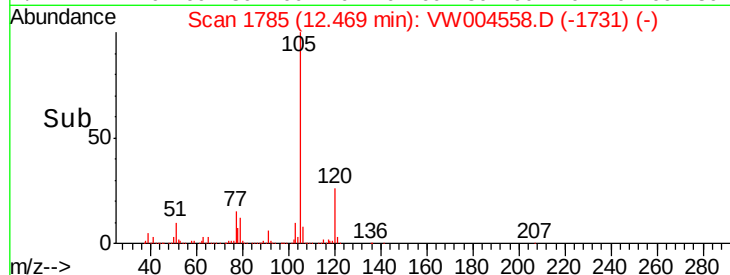
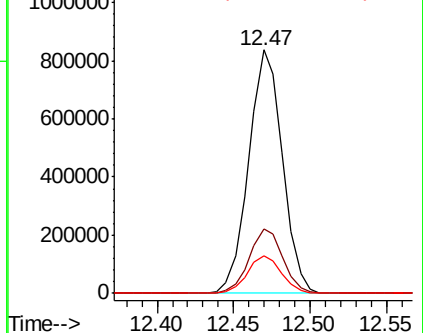
77 15.5 12.4 18.6



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: 25.190 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004558.D

Acq: 09 Aug 2018 15:38

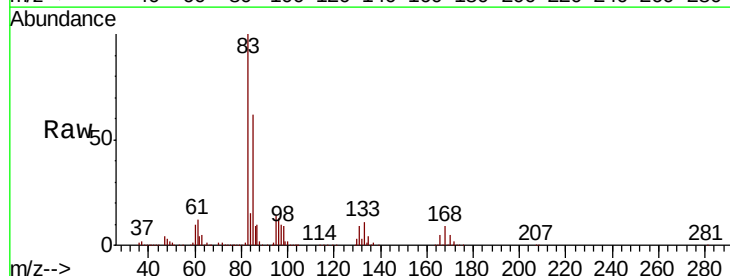
Tgt Ion: 83 Resp: 328216

Ion Ratio Lower Upper

83 100

85 62.3 46.1 85.5

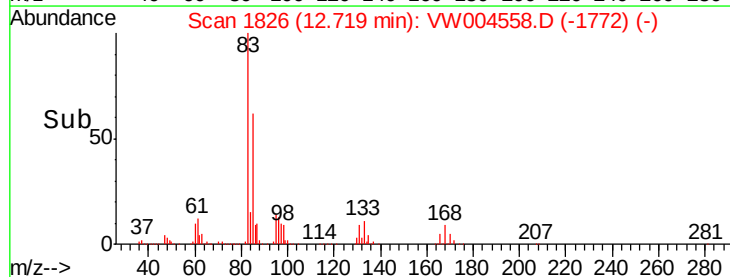
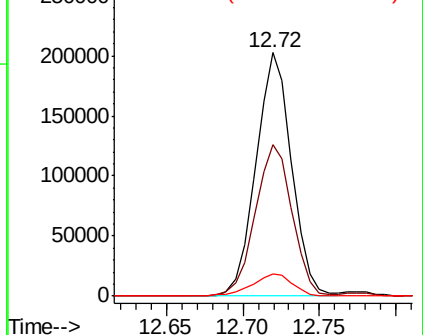
131 9.3 8.1 12.1

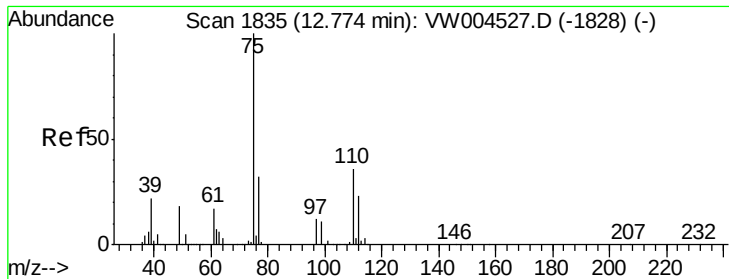


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.442 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004558.D

Acq: 09 Aug 2018 15:38

Instrument :

MSVOA_W

ClientSampleId :

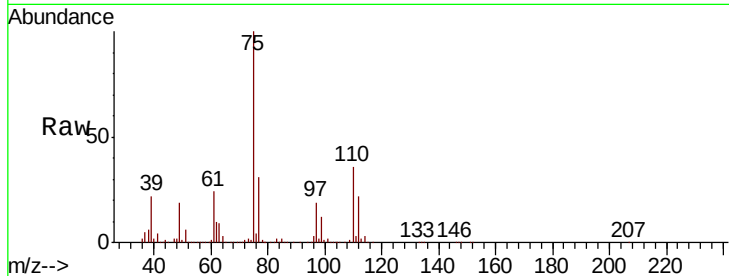
BFB

Tgt Ion: 75 Resp: 247590

Ion Ratio Lower Upper

75 100

77 32.2 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

12.77

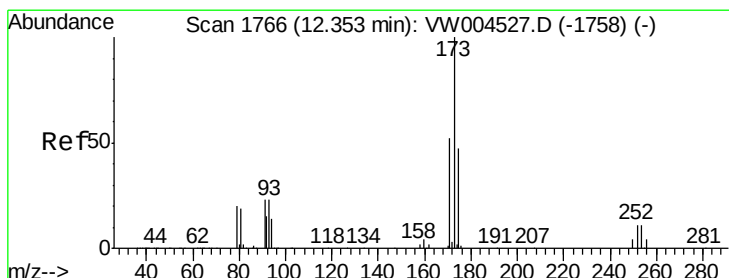
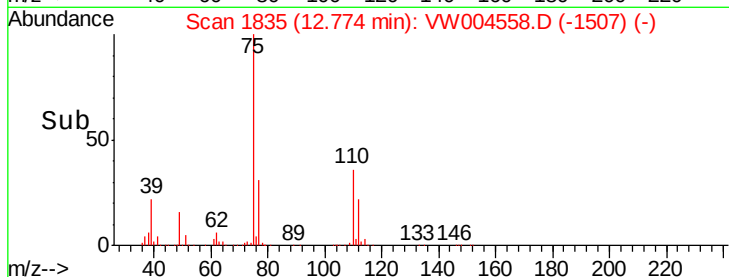
150000

100000

50000

0

Time-->



#62

Bromoform

Concen: 23.974 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004558.D

Acq: 09 Aug 2018 15:38

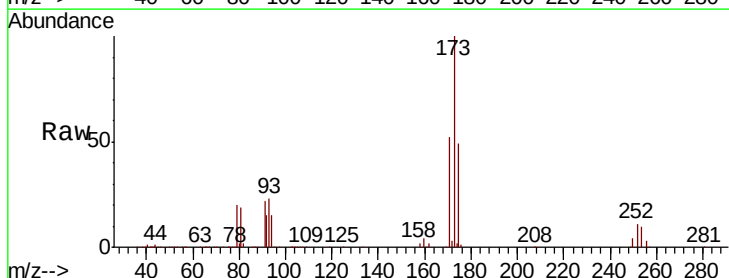
Tgt Ion: 173 Resp: 160876

Ion Ratio Lower Upper

173 100

175 48.3 39.0 58.4

254 10.7 8.1 12.1



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

12.35

120000

100000

80000

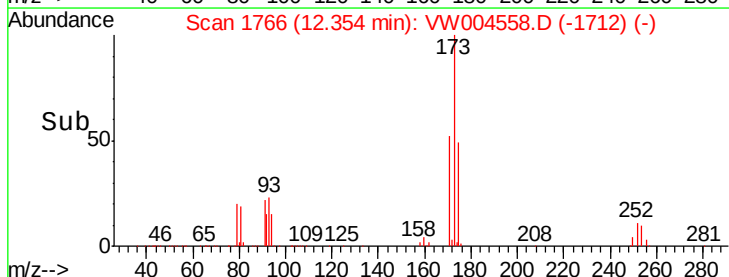
60000

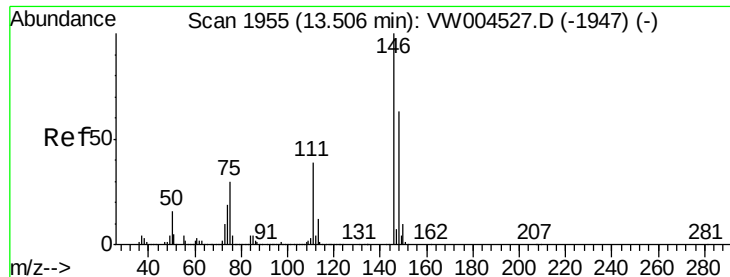
40000

20000

0

Time-->





#63

1,3-Dichlorobenzene

Concen: 24.486 ug/L

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004558.D

Acq: 09 Aug 2018 15:38

Instrument :

MSVOA_W

ClientSampled :

BFB

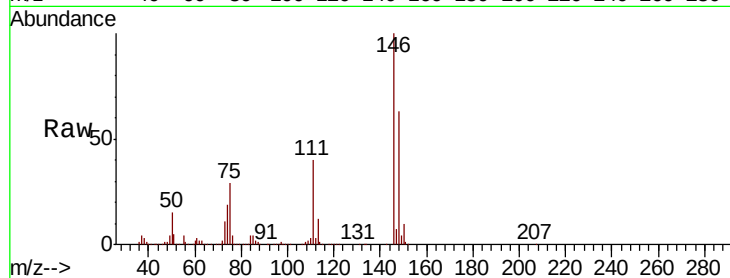
Tgt Ion:146 Resp: 562566

Ion Ratio Lower Upper

146 100

111 39.7 27.7 51.5

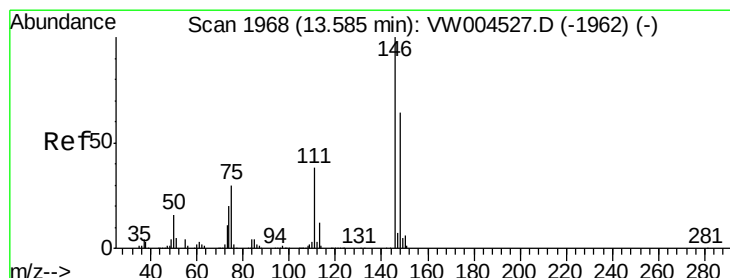
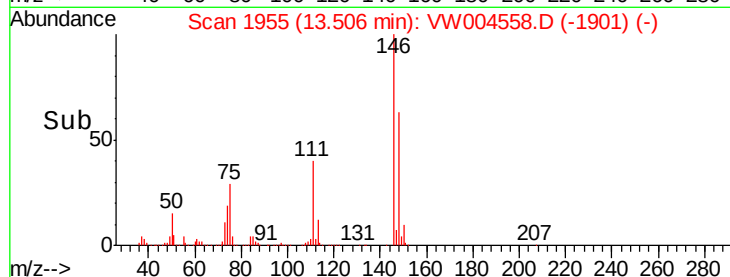
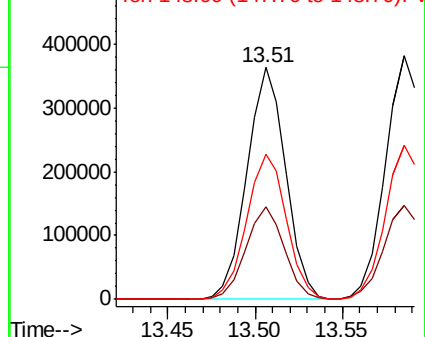
148 62.6 43.8 81.4



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: 24.033 ug/L

RT: 13.59 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VW004558.D

Acq: 09 Aug 2018 15:38

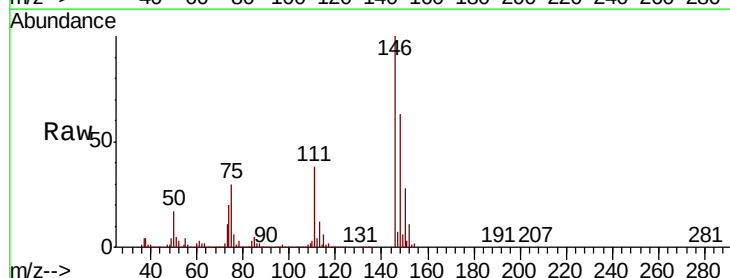
Tgt Ion:146 Resp: 593407

Ion Ratio Lower Upper

146 100

111 38.5 27.7 51.5

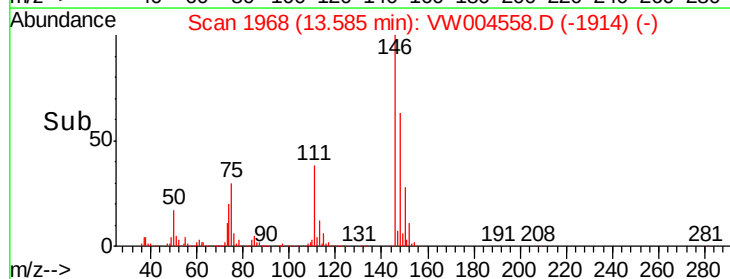
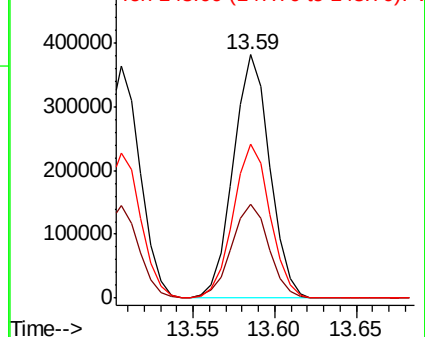
148 63.3 45.5 84.5

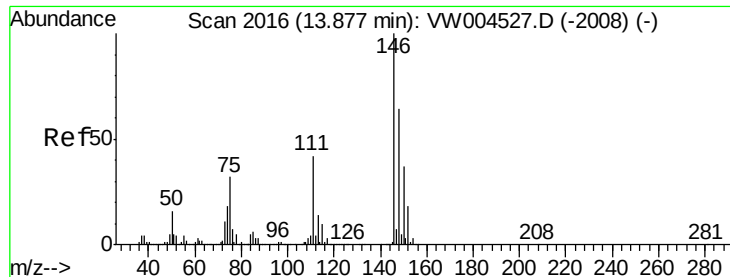


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 24.177 ug/L

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW004558.D

Acq: 09 Aug 2018 15:38

Instrument :

MSVOA_W

ClientSampleId :

BFB

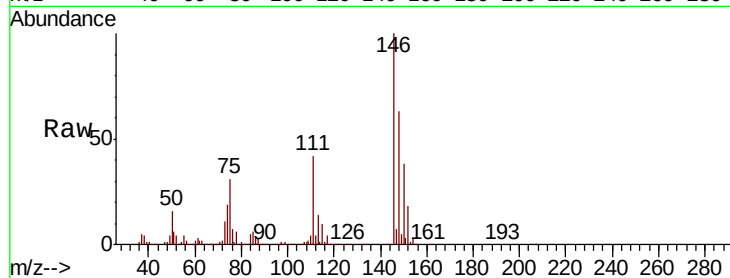
Tgt Ion:146 Resp: 556565

Ion Ratio Lower Upper

146 100

111 41.9 33.4 50.2

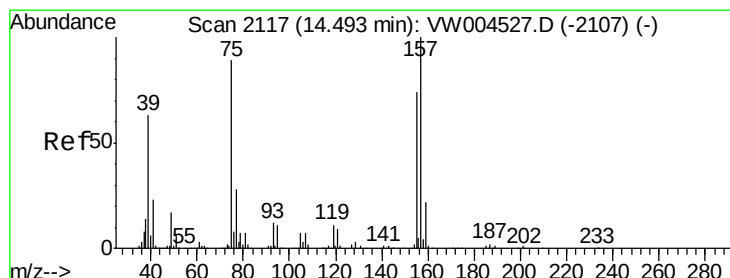
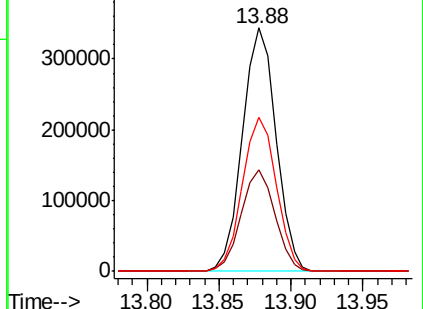
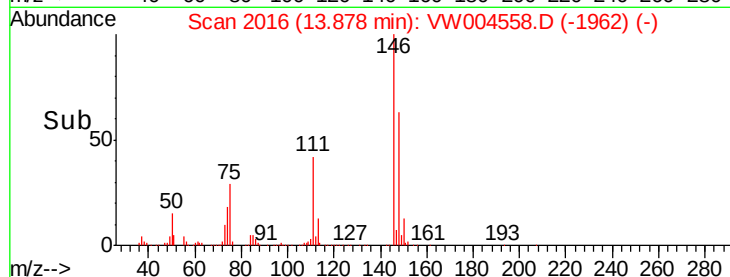
148 63.4 50.8 76.2



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



#66

1,2-Dibromo-3-chloropropane

Concen: 23.561 ug/L

RT: 14.49 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VW004558.D

Acq: 09 Aug 2018 15:38

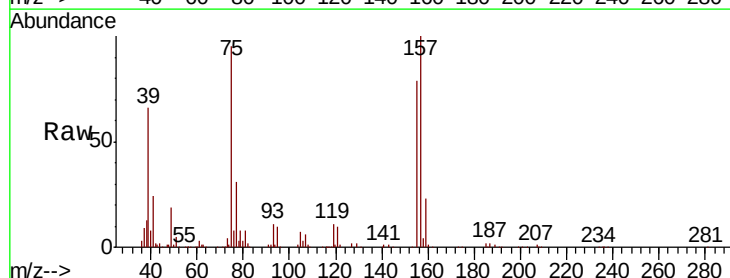
Tgt Ion: 75 Resp: 55715

Ion Ratio Lower Upper

75 100

157 105.7 81.4 122.0

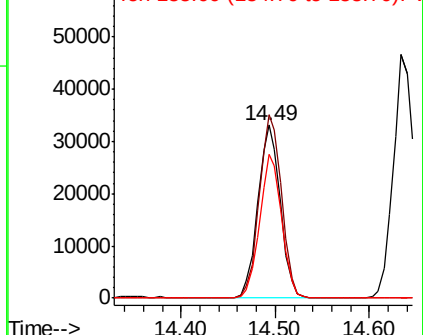
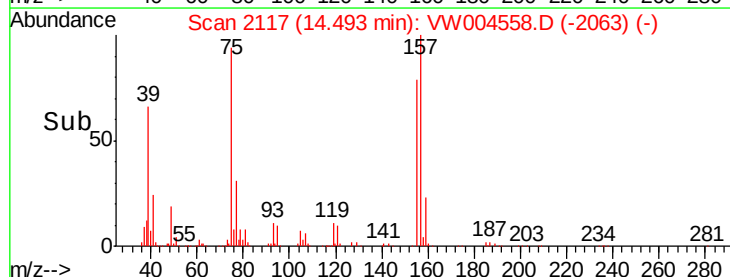
155 83.5 63.0 94.6

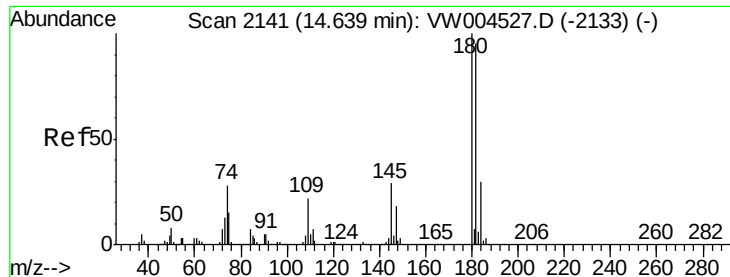


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

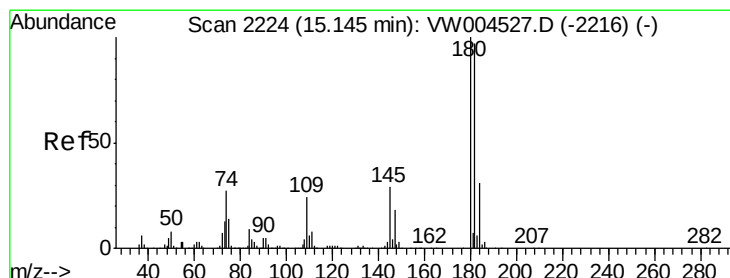
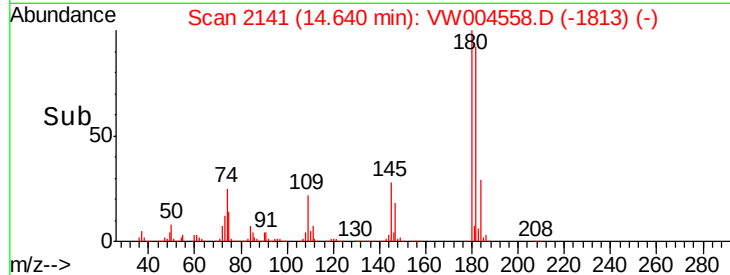
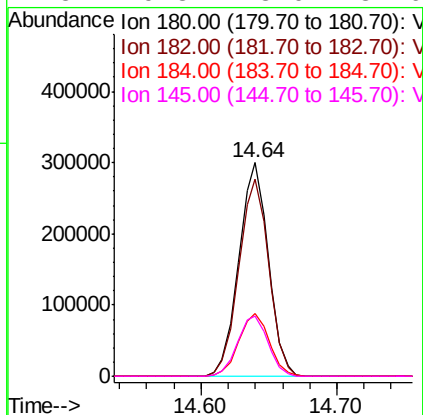
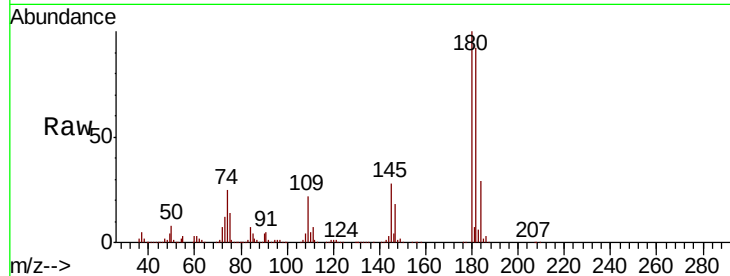




#67
 1,3,5-Trichlorobenzene
 Concen: 24.891 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW004558.D
 Acq: 09 Aug 2018 15:38

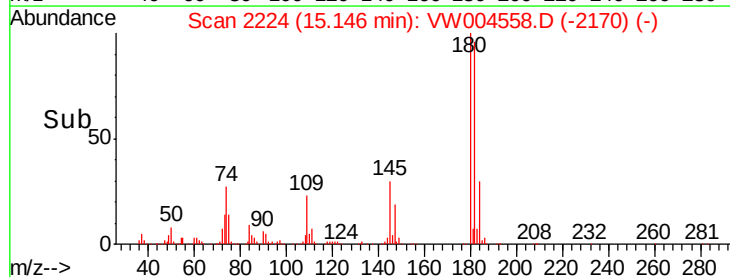
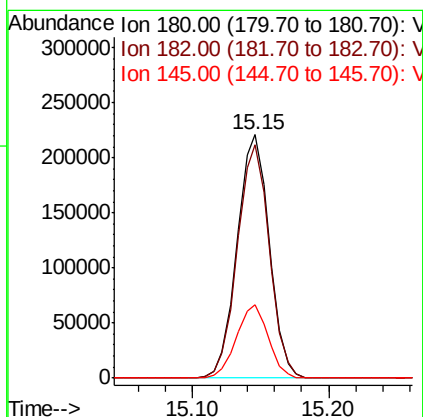
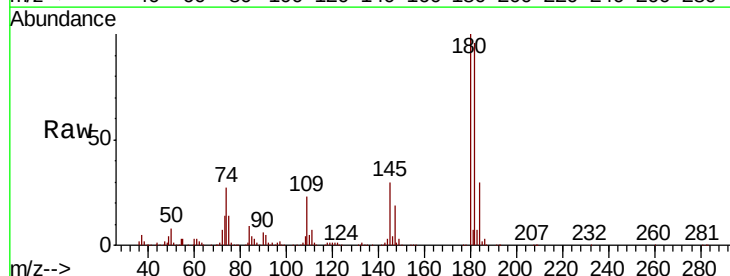
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

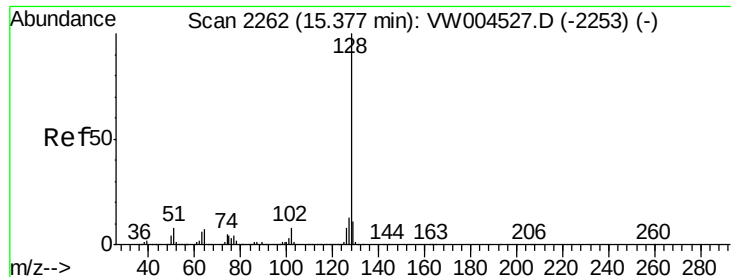
Tgt Ion:	180	Resp:	453328
Ion Ratio	Lower	Upper	
180	100		
182	93.9	75.1	112.7
184	30.1	24.0	36.0
145	29.3	23.0	34.6



#68
 1,2,4-trichlorobenzene
 Concen: 24.668 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004558.D
 Acq: 09 Aug 2018 15:38

Tgt Ion:	180	Resp:	363465
Ion Ratio	Lower	Upper	
180	100		
182	95.6	76.9	115.3
145	30.0	23.4	35.2





#69

Naphthalene

Concen: 24.985 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004558.D

Acq: 09 Aug 2018 15:38

Instrument :

MSVOA_W

ClientSampleId :

BFB

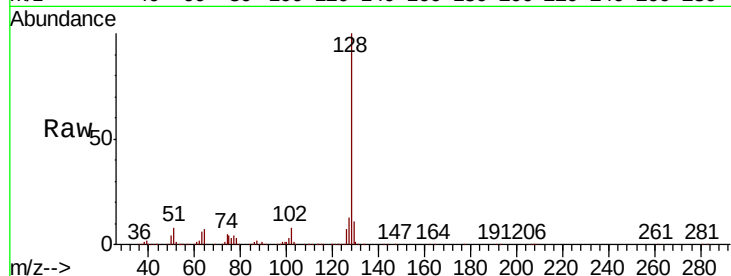
Tgt Ion:128 Resp: 839571

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

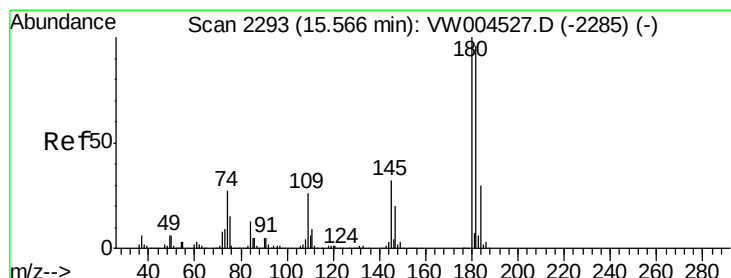
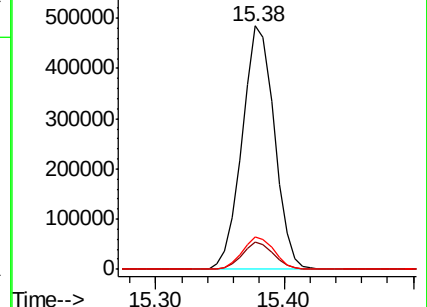
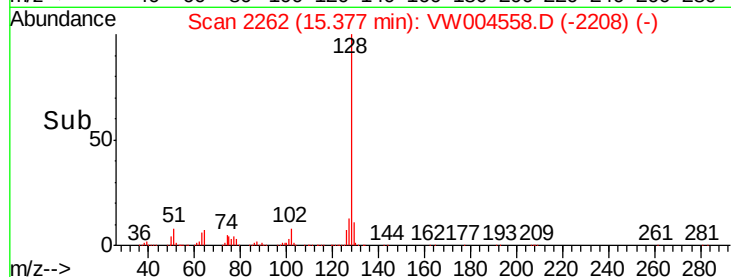
127 13.2 10.6 16.0



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: 25.562 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW004558.D

Acq: 09 Aug 2018 15:38

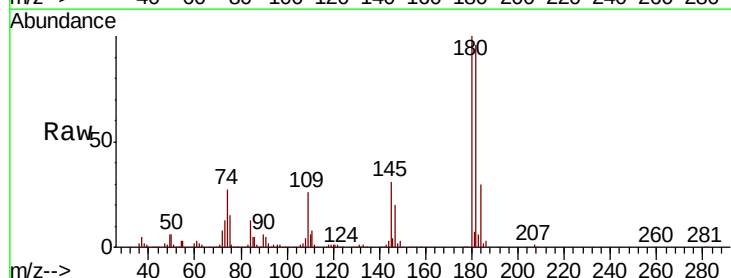
Tgt Ion:180 Resp: 366799

Ion Ratio Lower Upper

180 100

182 95.5 76.0 114.0

145 31.0 25.2 37.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

