

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091520\
 Data File : VW016561.D
 Acq On : 15 Sep 2020 16:07
 Operator : SY/VA
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB25

Quant Time: Sep 16 04:37:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 16 04:36:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	614921	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	542866	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	276468	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	127572	21.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.72%
7) Chloroethane-d5	2.90	69	107922	22.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.84%
10) 1,1-Dichloroethene-d2	4.03	63	305988	22.99	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.96%
20) 2-Butanone-d5	7.09	46	73388	45.22	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.44%
24) Chloroform-d	7.65	84	279747	21.75	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.00%
26) 1,2-Dichloroethane-d4	8.31	65	148603	22.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.00%
29) Benzene-d6	8.28	84	547746	22.50	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.00%
33) 1,2-Dichloropropane-d6	9.28	67	148049	22.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.76%
37) Toluene-d8	10.33	98	530281	22.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.56%
38) trans-1,3-Dichloropropene-	10.58	79	75474	22.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.76%
39) 2-Hexanone-d5	10.93	63	57486	47.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.80%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	130602	23.26	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.04%
61) 1,2-Dichlorobenzene-d4	13.86	152	195398	22.12	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.48%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.03	85	183642	24.175	ug/L 98
3) Chloromethane	2.23	50	137247	24.692	ug/L 97
5) Vinyl chloride	2.37	62	198584	24.210	ug/L 98
6) Bromomethane	2.79	94	150682	24.210	ug/L 99
8) Chloroethane	2.94	64	120166	24.765	ug/L 100
9) Trichlorofluoromethane	3.28	101	202651	24.505	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.08	101	197869	24.975	ug/L 99
12) 1,1-Dichloroethene	4.05	96	192828	24.757	ug/L 98
13) Acetone	4.12	43	65732	51.710	ug/L 99
14) Carbon disulfide	4.39	76	585712	24.925	ug/L 99
15) Methyl Acetate	4.68	43	76985	26.596	ug/L 97
16) Methylene chloride	4.93	84	196180	20.685	ug/L 97
17) Methyl tert-butyl Ether	5.43	73	272728	25.564	ug/L 100
18) trans-1,2-Dichloroethene	5.43	96	202330	25.084	ug/L 98
19) 1,1-Dichloroethane	6.23	63	318595	24.977	ug/L 97
21) 2-Butanone	7.17	43	101948	47.141	ug/L 98
22) cis-1,2-Dichloroethene	7.18	96	206906	24.722	ug/L 95

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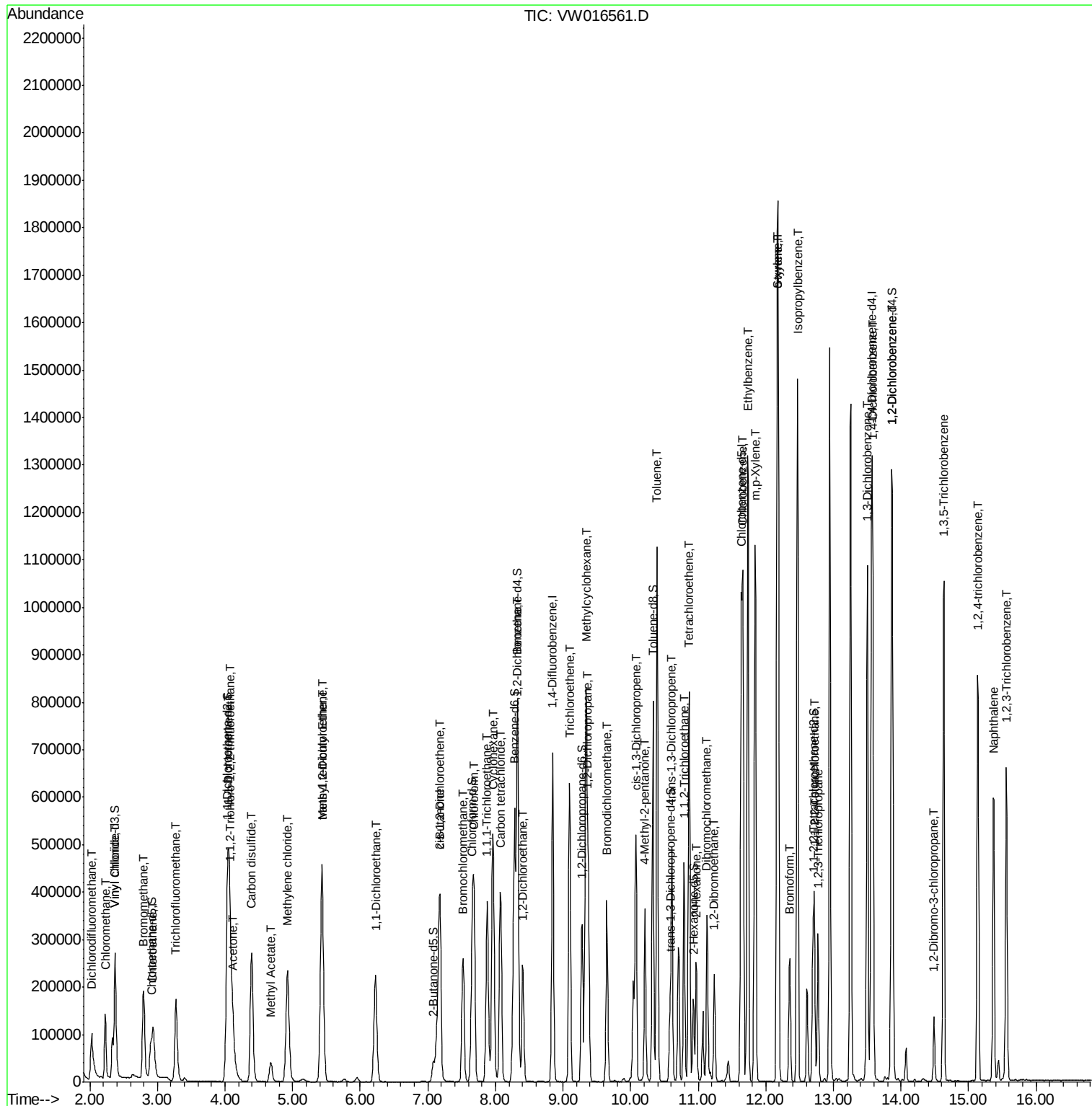
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	101945	25.056	ug/L	96
25) Chloroform	7.68	83	347190	24.965	ug/L	99
27) 1,2-Dichloroethane	8.40	62	226485	25.381	ug/L	100
30) Cyclohexane	7.96	56	293827	24.768	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	317876	25.072	ug/L	100
32) Carbon tetrachloride	8.07	117	310023	25.169	ug/L	99
34) Benzene	8.33	78	734201	25.233	ug/L	100
35) Trichloroethene	9.10	95	212324	25.221	ug/L	99
36) Methylcyclohexane	9.34	83	357869	25.062	ug/L	99
40) 1,2-Dichloropropane	9.37	63	170568	25.204	ug/L	100
41) Bromodichloromethane	9.65	83	255604	25.488	ug/L	97
42) cis-1,3-Dichloropropene	10.08	75	296510	25.651	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	221507	51.518	ug/L	99
44) Toluene	10.39	91	823825	25.179	ug/L	92
45) trans-1,3-Dichloropropene	10.61	75	259931	25.845	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	146427	25.684	ug/L	99
47) Tetrachloroethene	10.87	164	188873	24.846	ug/L	95
49) 2-Hexanone	10.97	43	149656	54.845	ug/L	100
50) Dibromochloromethane	11.13	129	189977	25.523	ug/L	95
51) 1,2-Dibromoethane	11.24	107	148625	26.037	ug/L	95
52) Chlorobenzene	11.66	112	548593	24.962	ug/L	97
53) Ethylbenzene	11.73	91	944142	25.417	ug/L	94
54) m,p-Xylene	11.84	106	374544	25.750	ug/L	97
55) o-xylene	12.17	106	355785	25.532	ug/L	95
56) Styrene	12.18	104	588782	25.445	ug/L	100
57) Isopropylbenzene	12.47	105	982236	25.796	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	167545	26.280	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	123456	25.998	ug/L	100
62) Bromoform	12.35	173	120517	25.845	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	462760	25.734	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	434527	24.674	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	407705	25.374	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	31279	27.158	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	352278	26.786	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	288095	27.079	ug/L	97
69) Naphthalene	15.36	128	547489	29.030	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	252571	27.603	ug/L	98

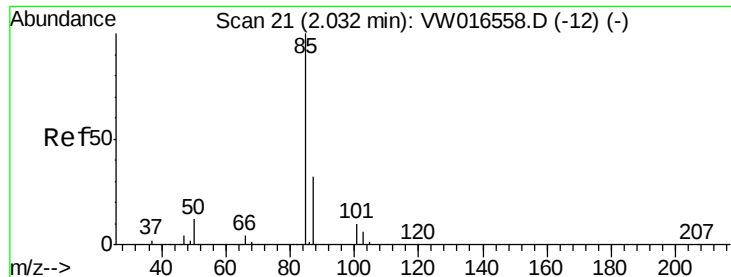
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.175 ug/L

RT: 2.03 min Scan# 20

Delta R.T. -0.01 min

Lab File: VW016561.D

Acq: 15 Sep 2020 16:07

Instrument :

MSVOA_W

ClientSampleId :

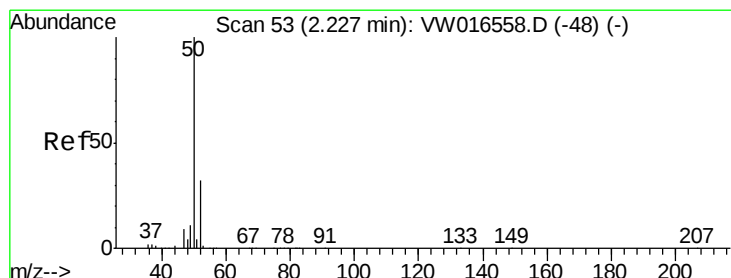
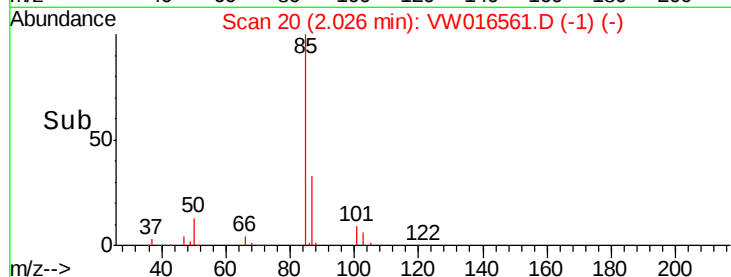
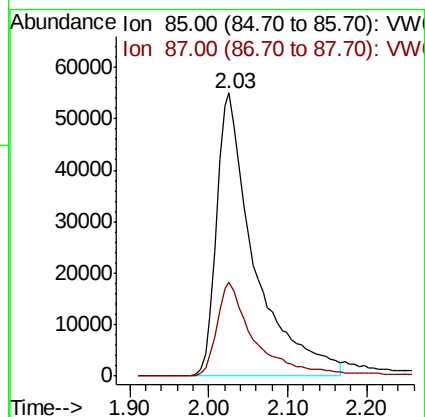
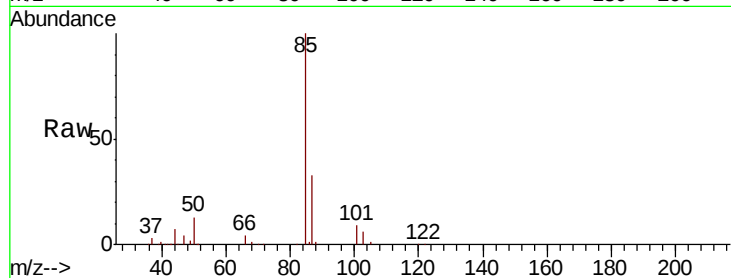
BFB25

Tot Ion: 85 Resp: 183642

Ion Ratio Lower Upper

85 100

87 32.8 22.2 41.2



#3

Chloromethane

Concen: 24.692 ug/L

RT: 2.23 min Scan# 53

Delta R.T. 0.00 min

Lab File: VW016561.D

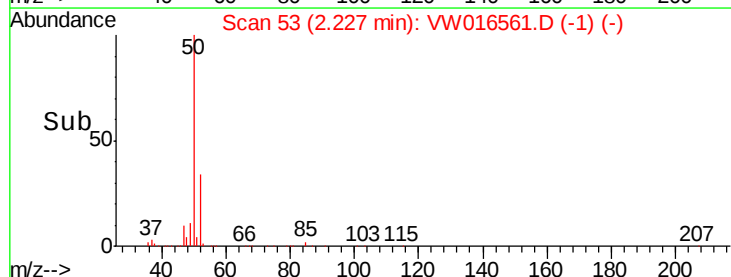
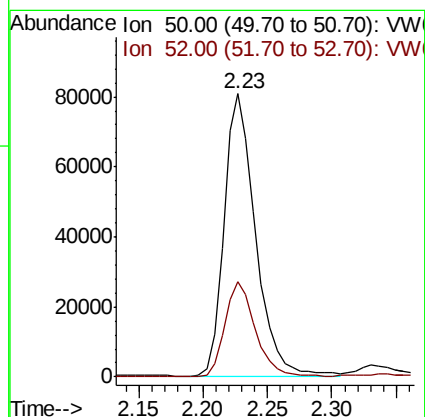
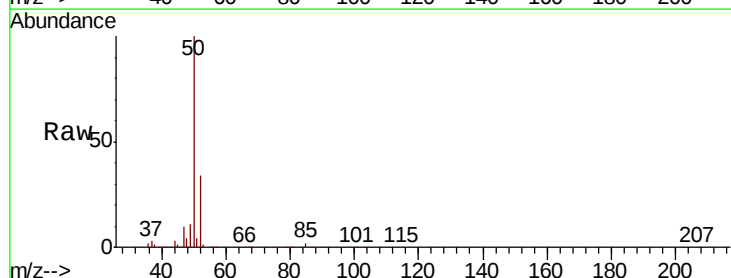
Acq: 15 Sep 2020 16:07

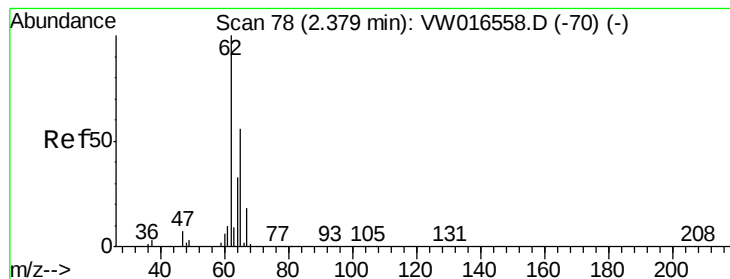
Tgt Ion: 50 Resp: 137247

Ion Ratio Lower Upper

50 100

52 33.8 22.4 41.6





#5

Vinyl chloride

Concen: 24.210 ug/L

RT: 2.37 min Scan# 77

Delta R.T. -0.01 min

Lab File: VW016561.D

Acq: 15 Sep 2020 16:07

Instrument :

MSVOA_W

ClientSampleId :

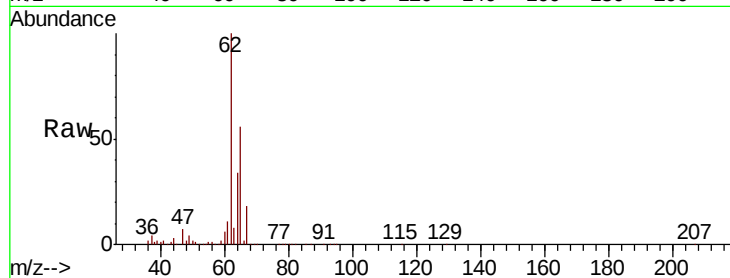
BFB25

Tot Ion: 62 Resp: 198584

Ion Ratio Lower Upper

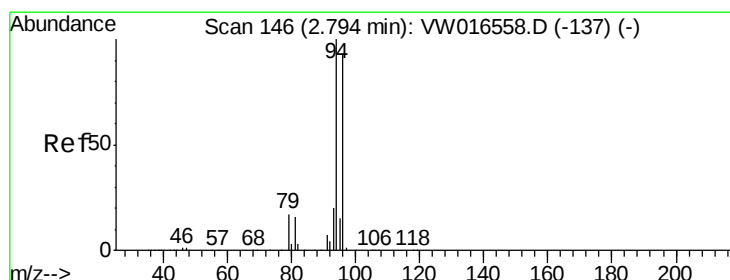
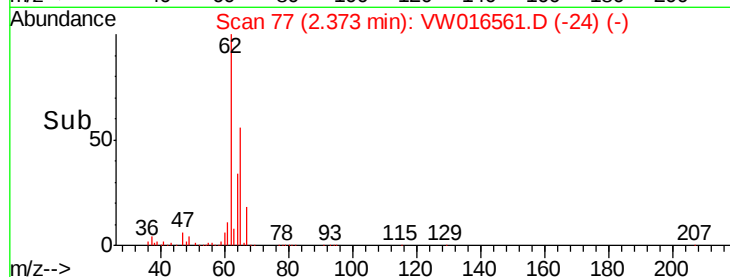
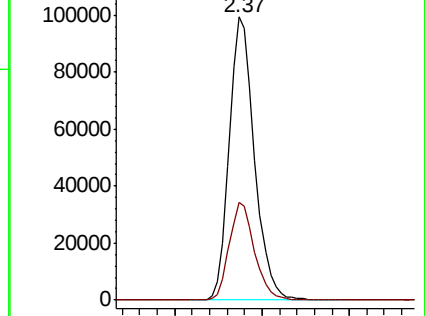
62 100

64 34.5 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 24.210 ug/L

RT: 2.79 min Scan# 146

Delta R.T. 0.00 min

Lab File: VW016561.D

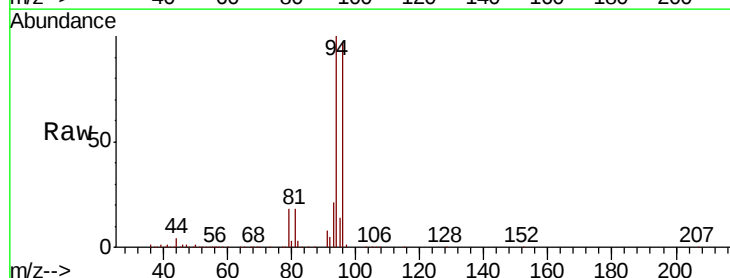
Acq: 15 Sep 2020 16:07

Tgt Ion: 94 Resp: 150682

Ion Ratio Lower Upper

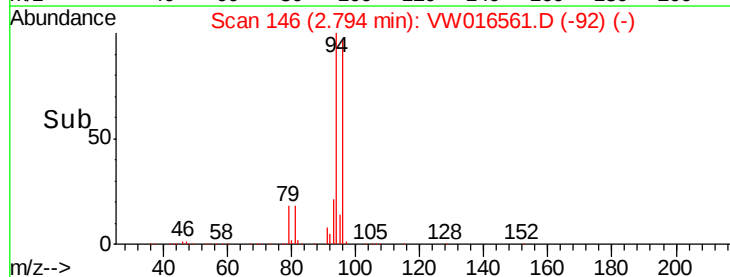
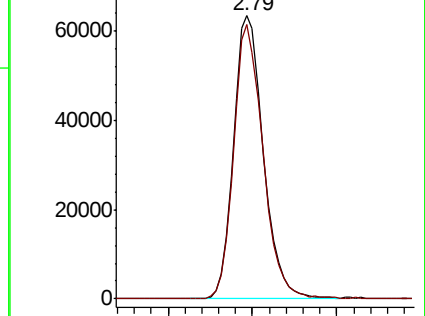
94 100

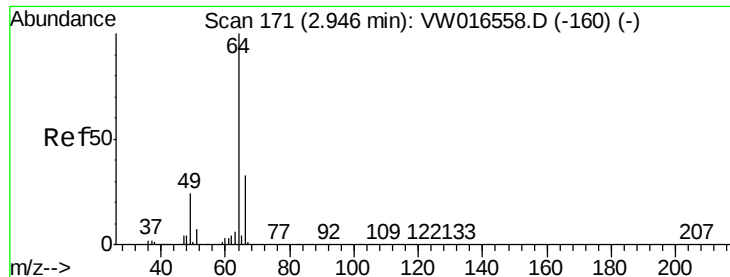
96 95.1 9.6 181.6



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 24.765 ug/L

RT: 2.94 min Scan# 170

Delta R.T. -0.01 min

Lab File: VW016561.D

Acq: 15 Sep 2020 16:07

Instrument :

MSVOA_W

ClientSampleId :

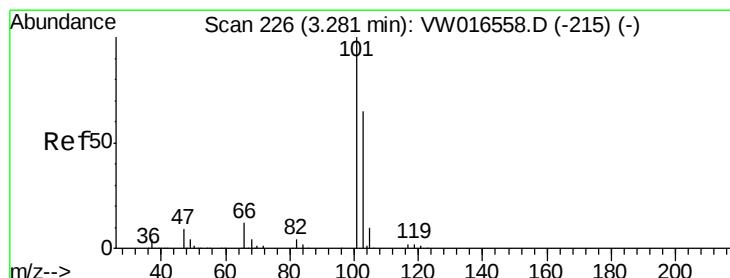
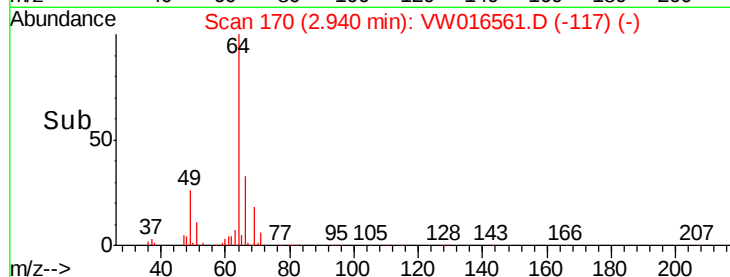
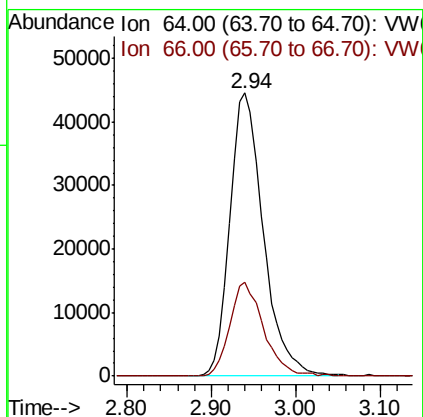
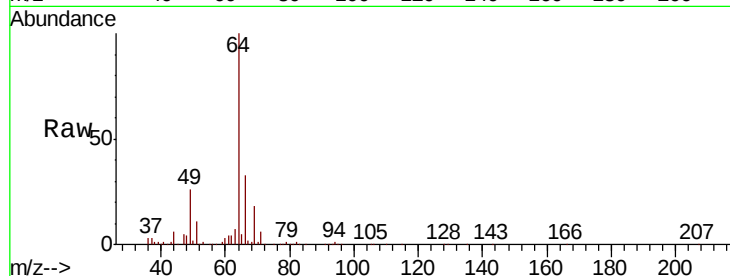
BFB25

Tot Ion: 64 Resp: 120166

Ion Ratio Lower Upper

64 100

66 33.4 23.2 43.2



#9

Trichlorofluoromethane

Concen: 24.505 ug/L

RT: 3.28 min Scan# 225

Delta R.T. -0.01 min

Lab File: VW016561.D

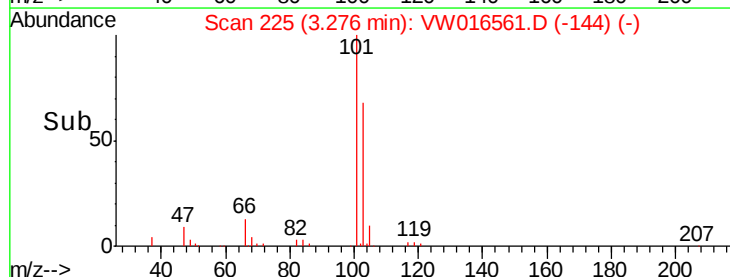
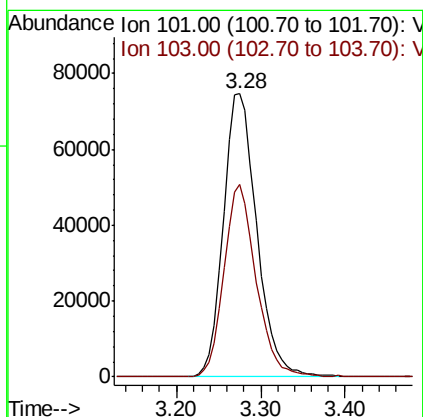
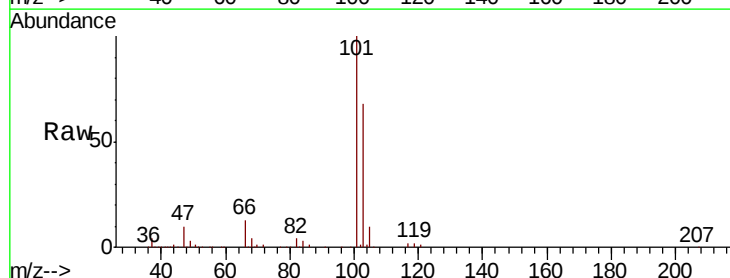
Acq: 15 Sep 2020 16:07

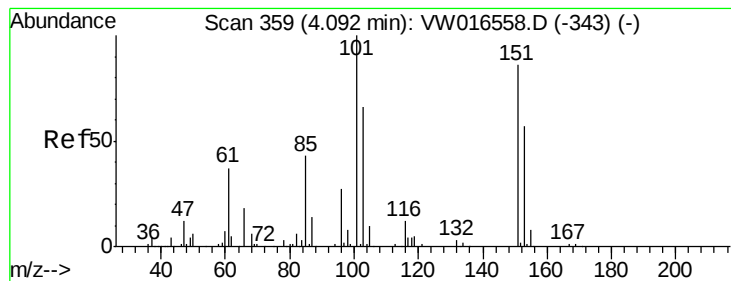
Tgt Ion: 101 Resp: 202651

Ion Ratio Lower Upper

101 100

103 65.3 45.2 84.0





#11

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

Concen: 24.975 ug/L

RT: 4.08 min Scan# 357

Delta R.T. -0.01 min

Lab File: VW016561.D

Acq: 15 Sep 2020 16:07

Instrument :

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ClientSampleId :

BFB25

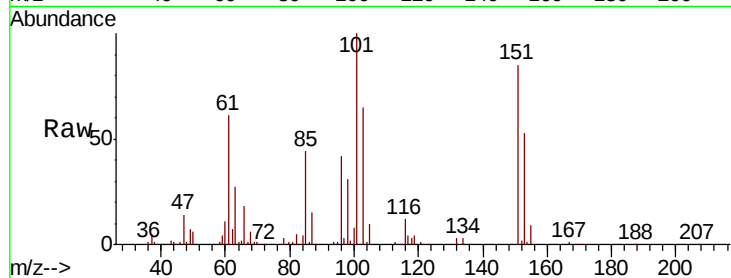
Tot Ion:101 Resp: 197869

Ion Ratio Lower Upper

101 100

85 42.1 32.6 49.0

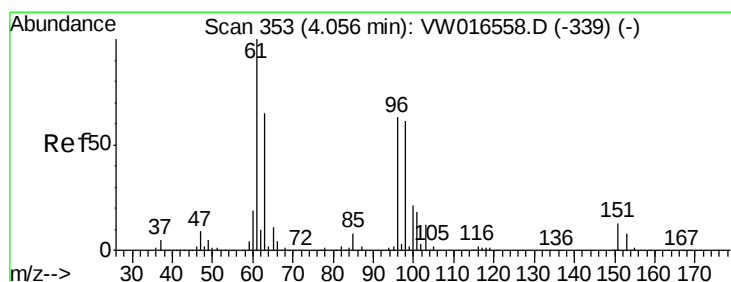
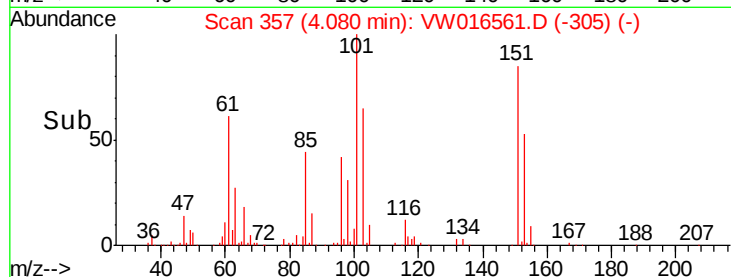
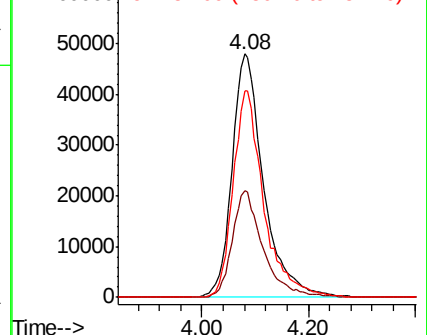
151 82.5 66.0 99.0



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: 24.757 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW016561.D

Acq: 15 Sep 2020 16:07

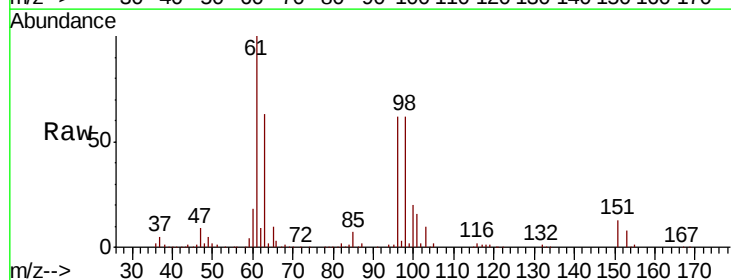
Tgt Ion: 96 Resp: 192828

Ion Ratio Lower Upper

96 100

61 162.2 111.4 206.8

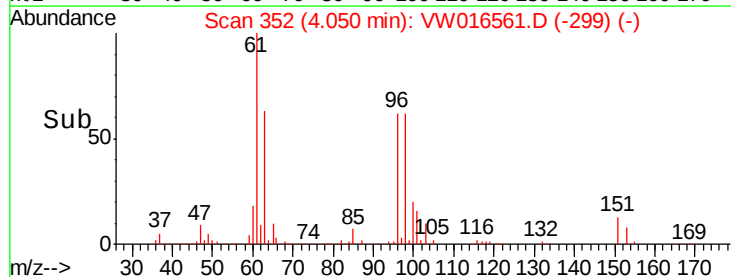
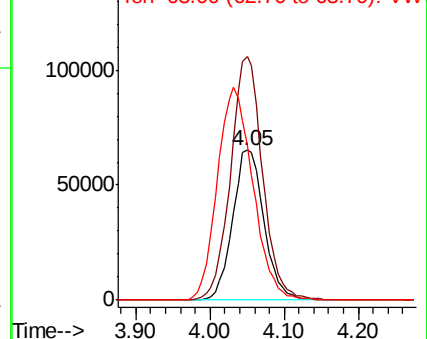
63 102.5 73.0 135.6

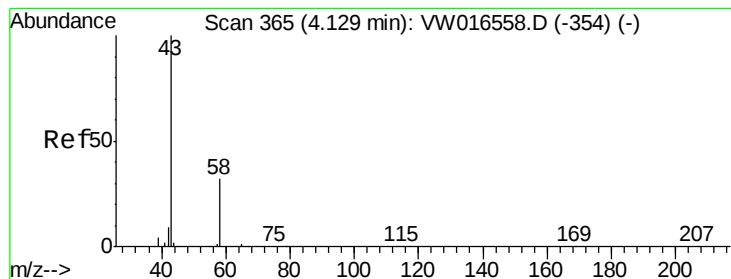


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 51.710 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW016561.D

Acq: 15 Sep 2020 16:07

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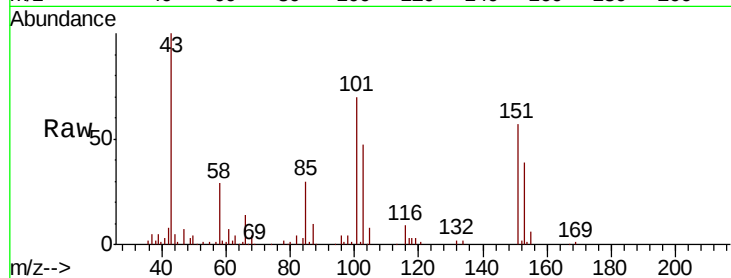
BFB25

Tot Ion: 43 Resp: 65732

Ion Ratio Lower Upper

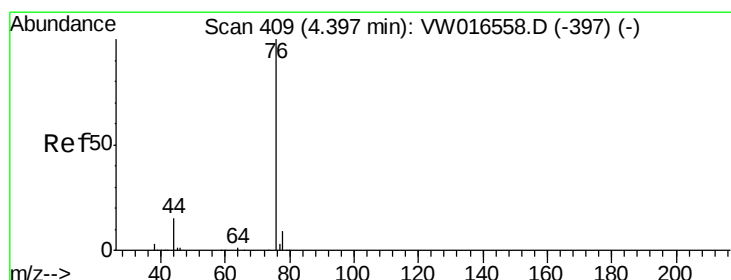
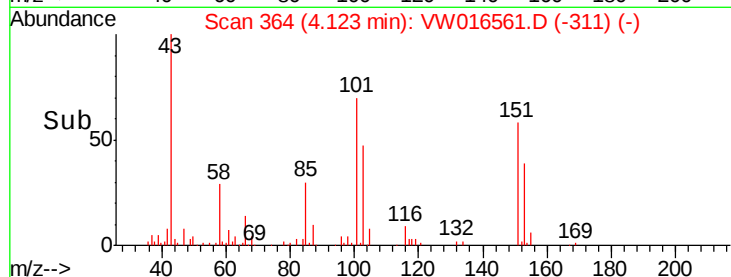
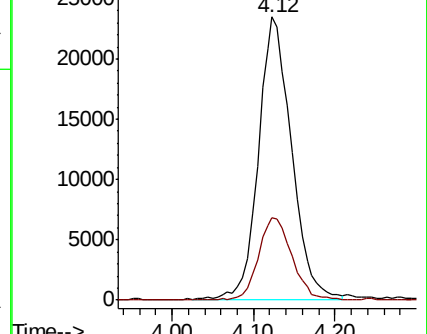
43 100

58 29.6 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 24.925 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.01 min

Lab File: VW016561.D

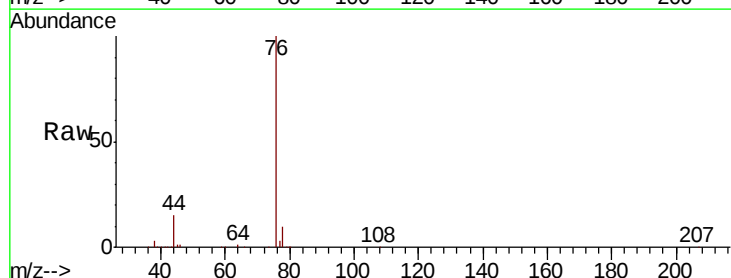
Acq: 15 Sep 2020 16:07

Tgt Ion: 76 Resp: 585712

Ion Ratio Lower Upper

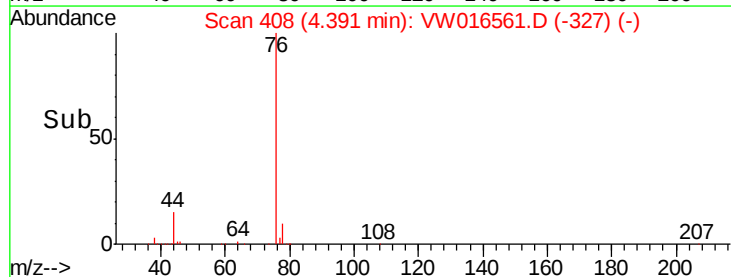
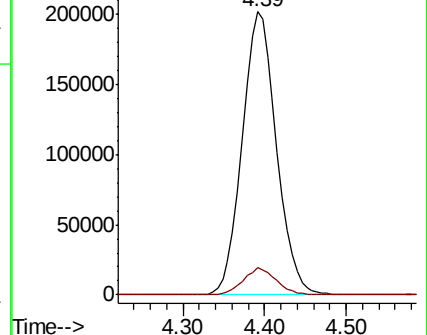
76 100

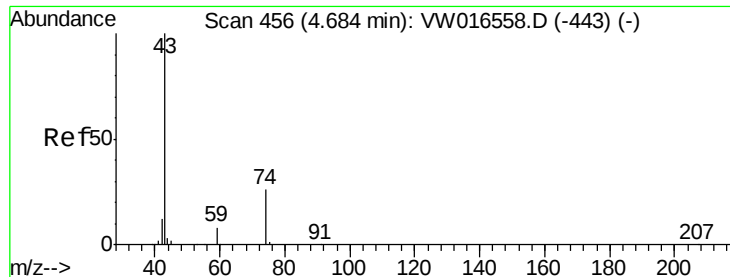
78 9.5 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

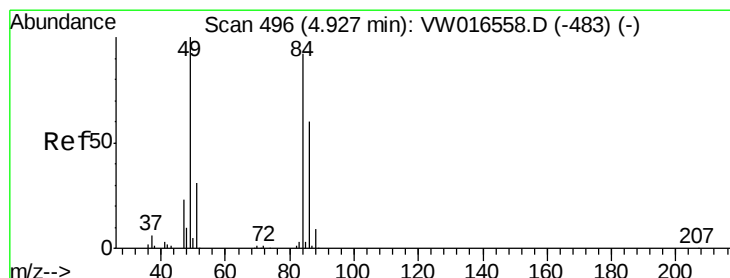
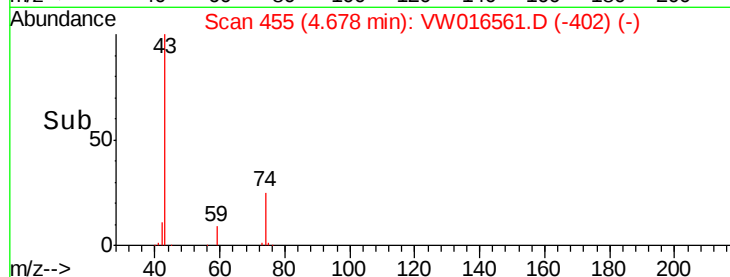
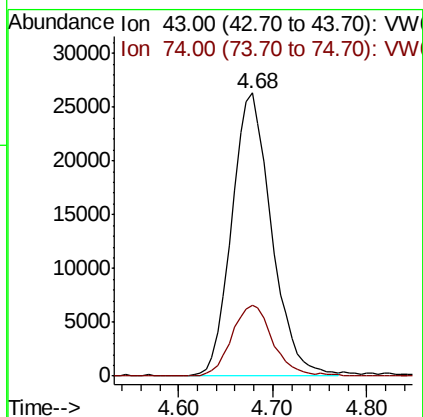
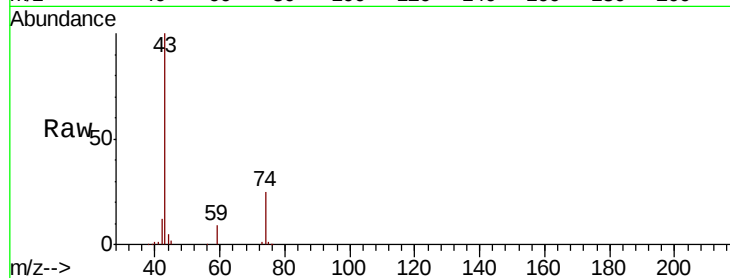




#15
Methvl Acetate
Concen: 26.596 ug/L
RT: 4.68 min Scan# 455
Delta R.T. -0.01 min
Lab File: VW016561.D
Acq: 15 Sep 2020 16:07

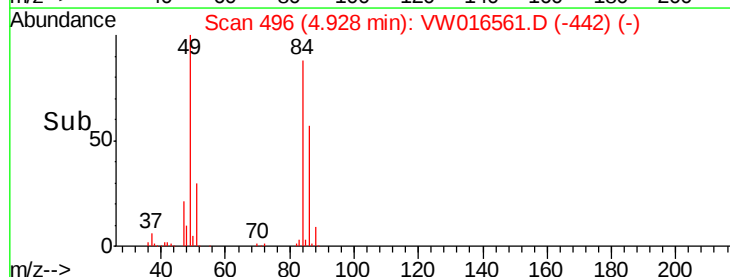
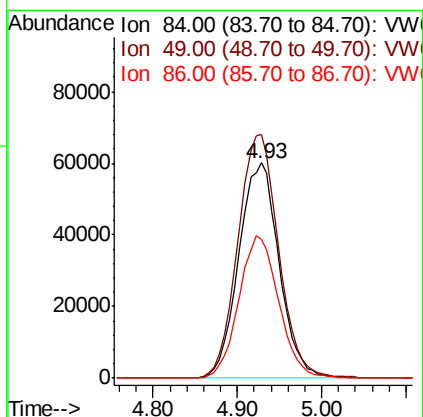
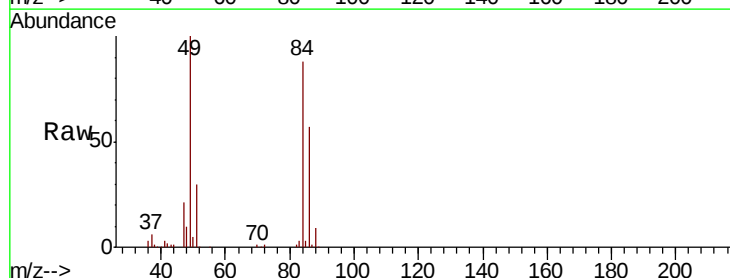
Instrument :
MSVOA_W
ClientSampled :
BFB25

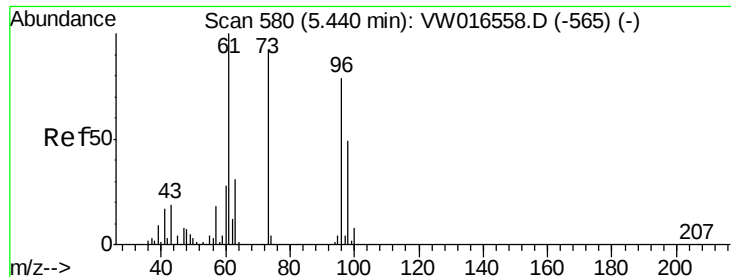
Tot Ion: 43 Resp: 76985
Ion Ratio Lower Upper
43 100
74 25.6 21.5 32.3



#16
Methylene chloride
Concen: 20.685 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.00 min
Lab File: VW016561.D
Acq: 15 Sep 2020 16:07

Tgt Ion: 84 Resp: 196180
Ion Ratio Lower Upper
84 100
49 113.3 76.0 141.2
86 64.5 45.6 84.6

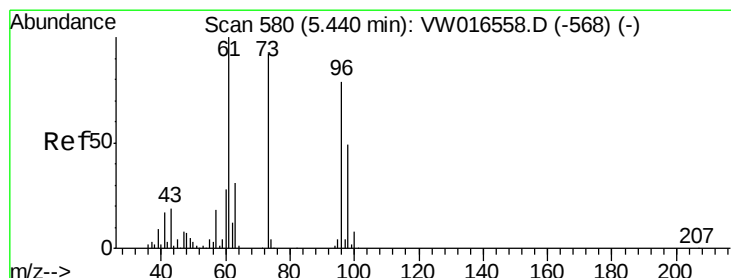
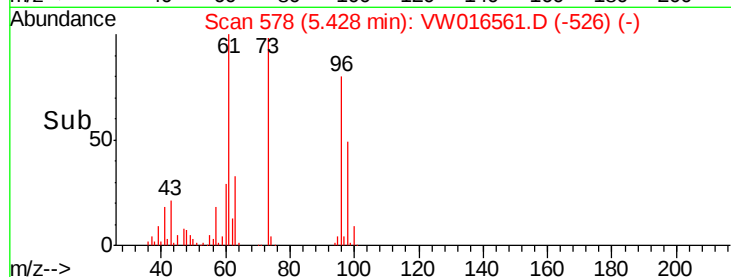
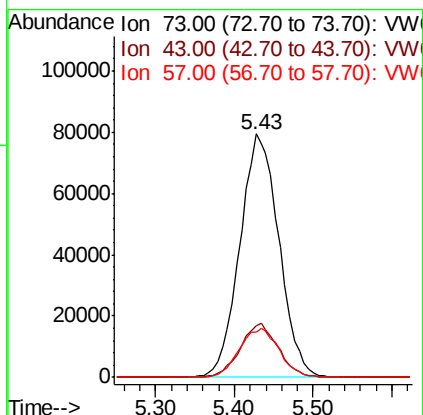
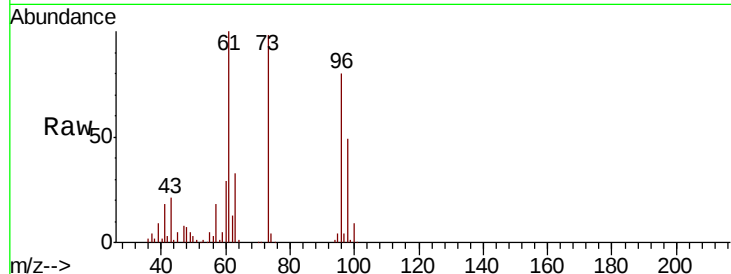




#17
Methvl tert-butvl Ether
Concen: 25.564 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW016561.D
Acq: 15 Sep 2020 16:07

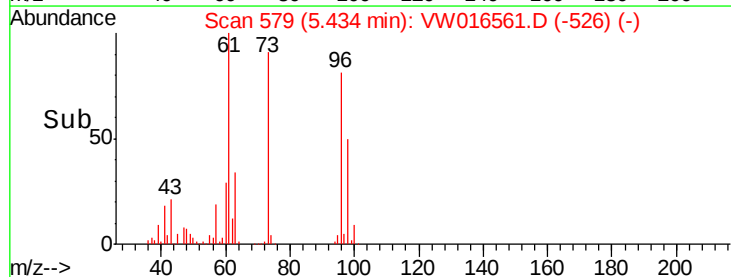
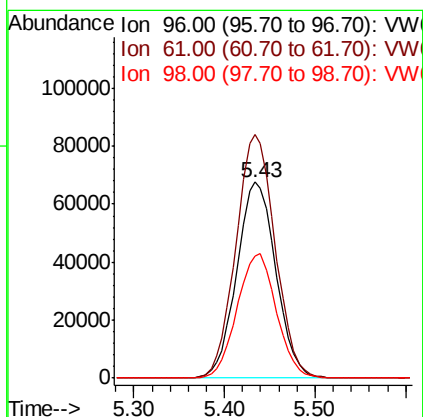
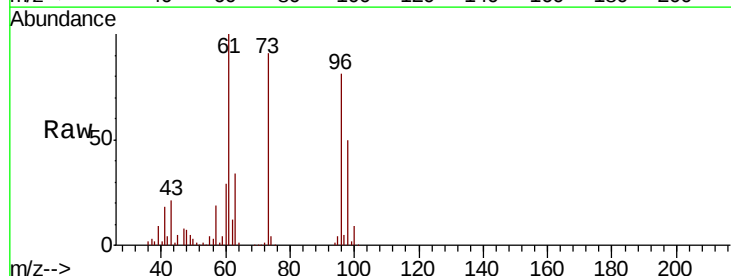
Instrument :
MSVOA_W
ClientSampled :
BFB25

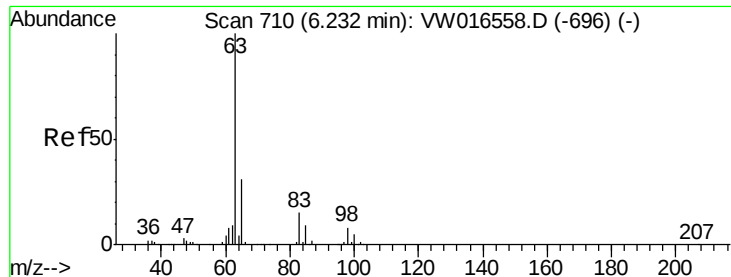
Tot Ion	Ratio	Lower	Upper
73	100		
43	21.4	17.2	25.8
57	20.6	16.3	24.5



#18
trans-1,2-Dichloroethene
Concen: 25.084 ug/L
RT: 5.43 min Scan# 579
Delta R.T. -0.01 min
Lab File: VW016561.D
Acq: 15 Sep 2020 16:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	124.1	88.4	164.2
98	62.3	43.0	80.0

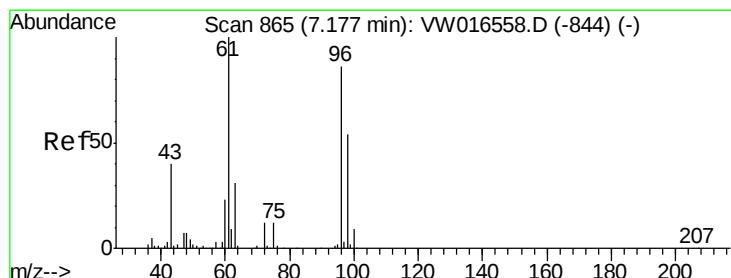
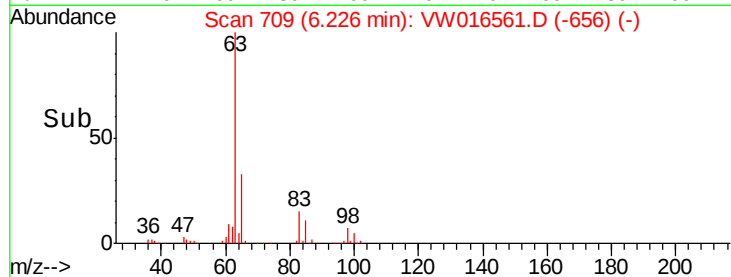
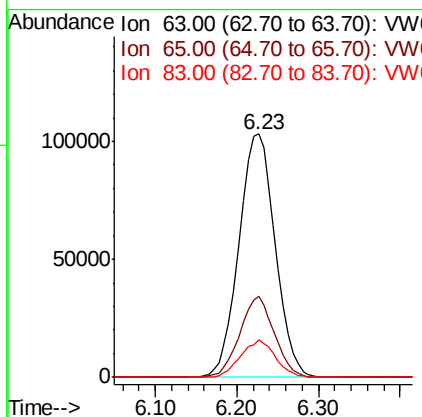
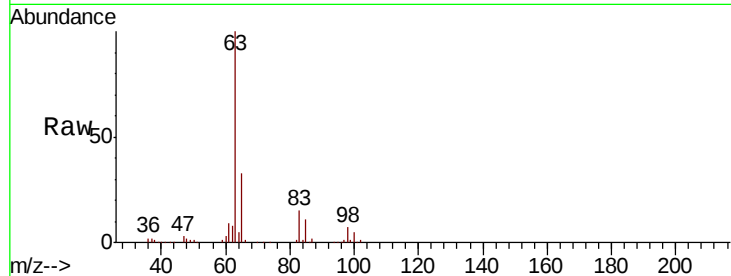




#19
 1,1-Dichloroethane
 Concen: 24.977 ug/L
 RT: 6.23 min Scan# 709
 Delta R.T. -0.01 min
 Lab File: VW016561.D
 Acq: 15 Sep 2020 16:07

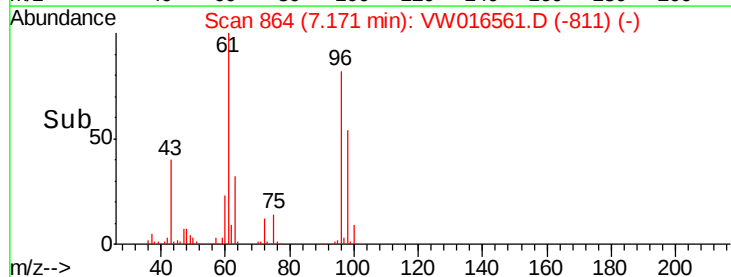
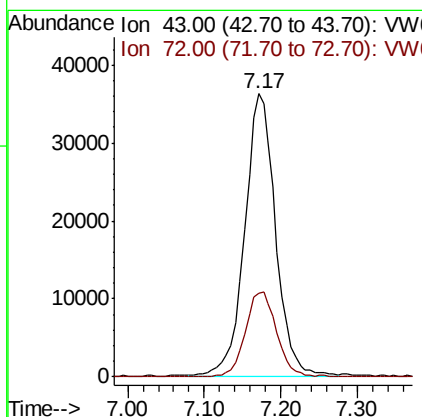
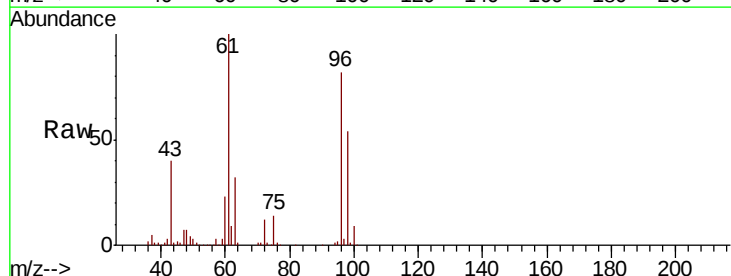
Instrument :
 MSVOA_W
 ClientSampled :
 BFB25

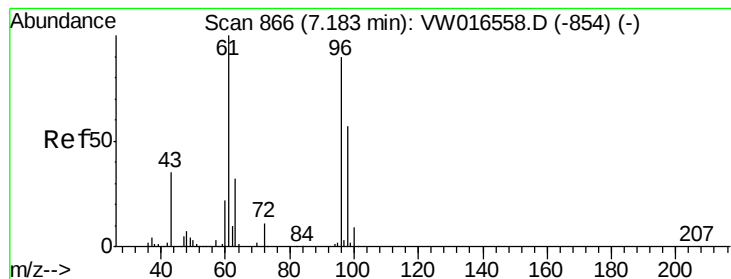
Tot Ion	Ratio	Lower	Upper
63	100		
65	33.1	21.6	40.0
83	15.2	10.4	19.2



#21
 2-Butanone
 Concen: 47.141 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: VW016561.D
 Acq: 15 Sep 2020 16:07

Tgt Ion	Ratio	Lower	Upper
43	100		
72	30.4	14.6	43.8



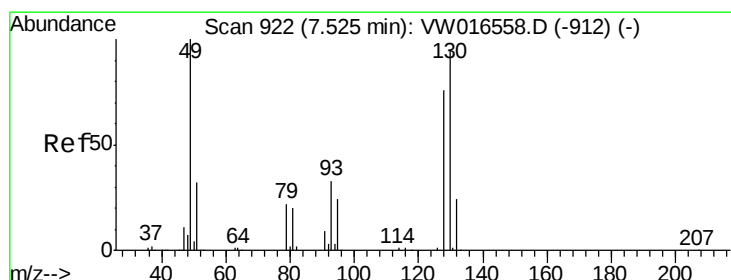
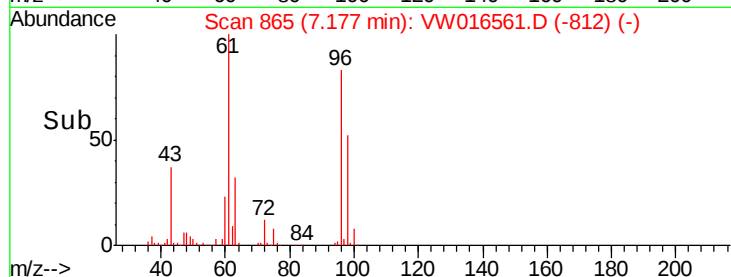
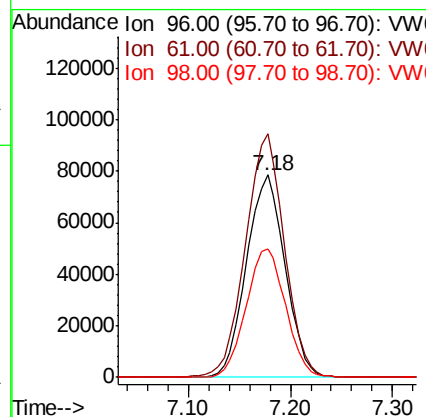
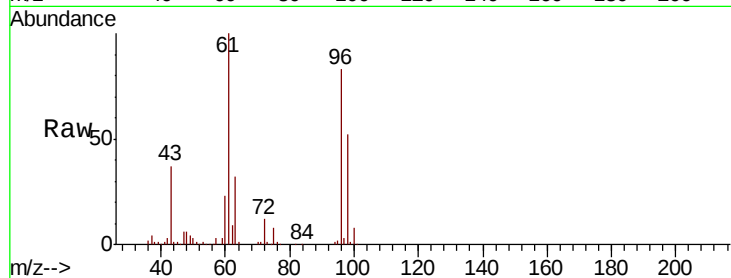


#22

cis-1,2-Dichloroethene
Concen: 24.722 ug/L
RT: 7.18 min Scan# 865
Delta R.T. -0.01 min
Lab File: VW016561.D
Acq: 15 Sep 2020 16:07

Instrument :
MSVOA_W
ClientSampleId :
BFB25

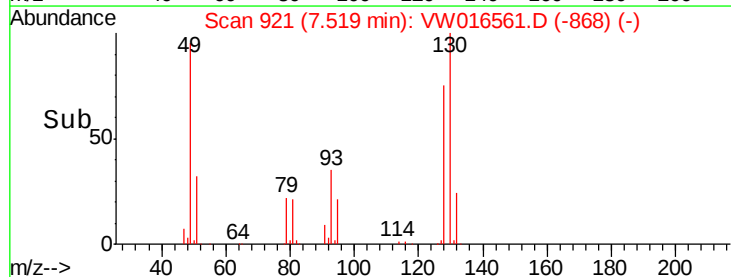
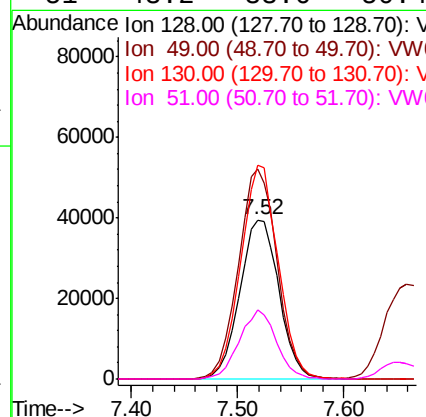
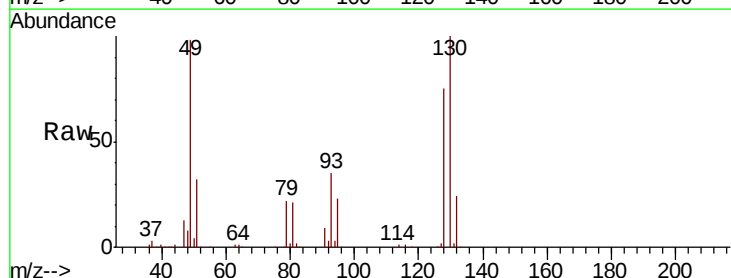
Tot Ion	96	Resp	206906
Ion	Ratio	Lower	Upper
96	100		
61	120.5	78.4	145.6
98	63.3	44.8	83.2

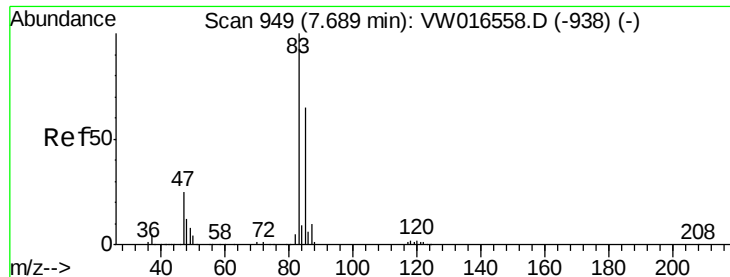


#23

Bromochloromethane
Concen: 25.056 ug/L
RT: 7.52 min Scan# 921
Delta R.T. -0.01 min
Lab File: VW016561.D
Acq: 15 Sep 2020 16:07

Tgt Ion	128	Resp	101945
Ion	Ratio	Lower	Upper
128	100		
49	132.1	92.1	171.1
130	134.2	87.8	163.0
51	43.2	33.6	50.4





#25

Chloroform

Concen: 24.965 ug/L

RT: 7.68 min Scan# 948

Delta R.T. -0.01 min

Lab File: VW016561.D

Acq: 15 Sep 2020 16:07

Instrument :

MSVOA_W

ClientSampleId :

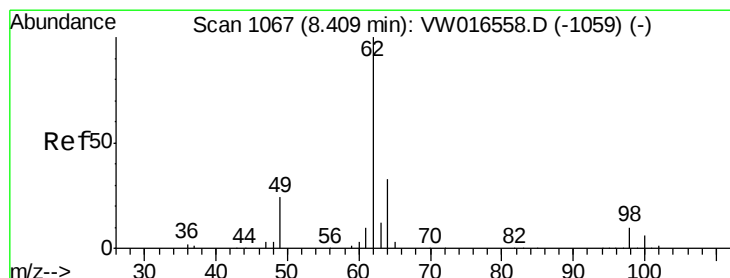
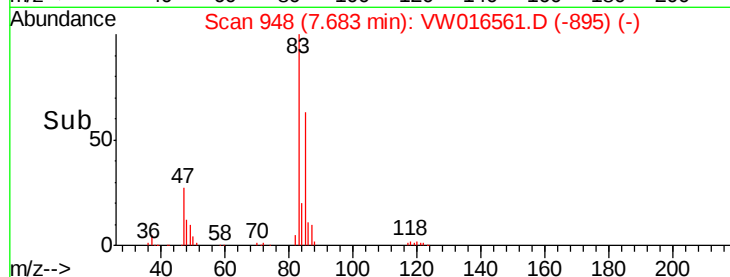
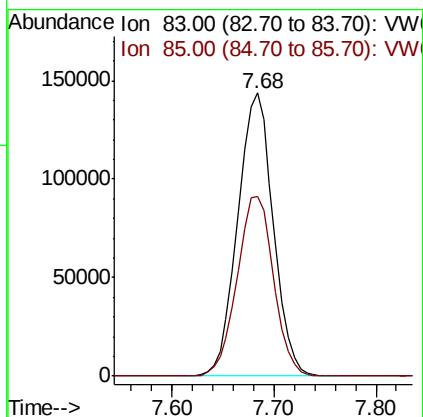
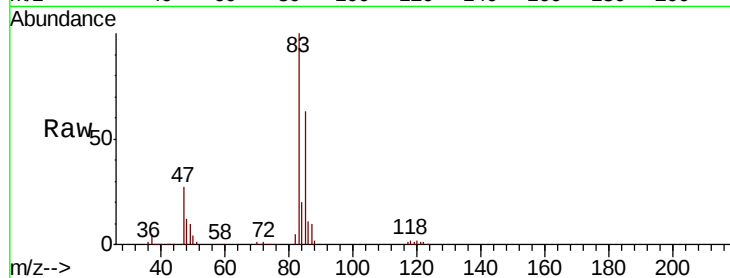
BFB25

Tot Ion: 83 Resp: 347190

Ion Ratio Lower Upper

83 100

85 65.3 46.1 85.5



#27

1,2-Dichloroethane

Concen: 25.381 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.01 min

Lab File: VW016561.D

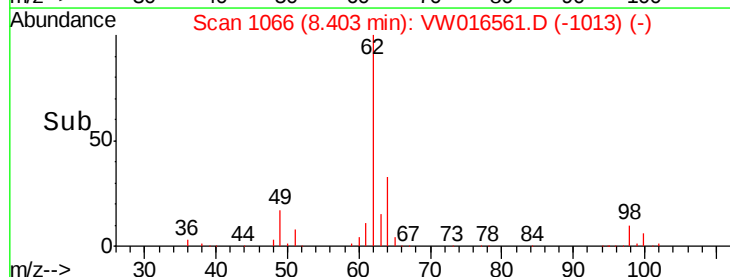
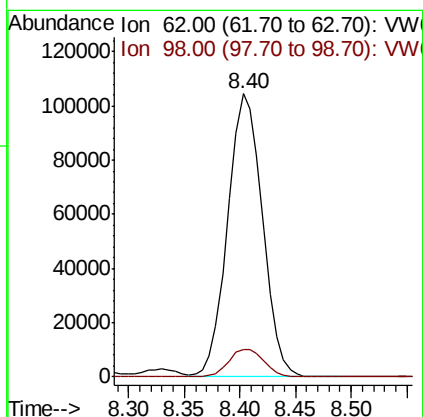
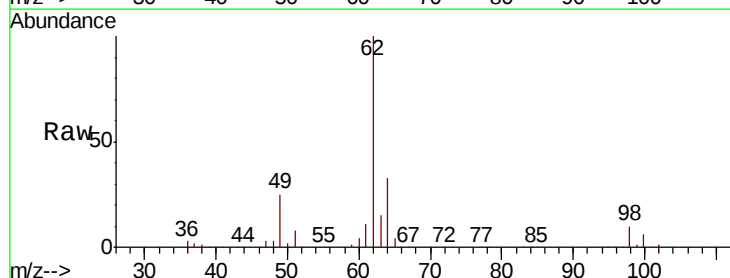
Acq: 15 Sep 2020 16:07

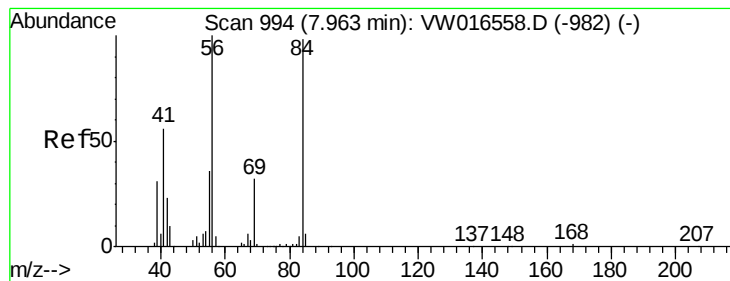
Tgt Ion: 62 Resp: 226485

Ion Ratio Lower Upper

62 100

98 9.7 7.9 11.9





#30

Cyclohexane

Concen: 24.768 ug/L

RT: 7.96 min Scan# 994

Delta R.T. 0.00 min

Lab File: VW016561.D

Acq: 15 Sep 2020 16:07

Instrument :

MSVOA_W

ClientSampleId :

BFB25

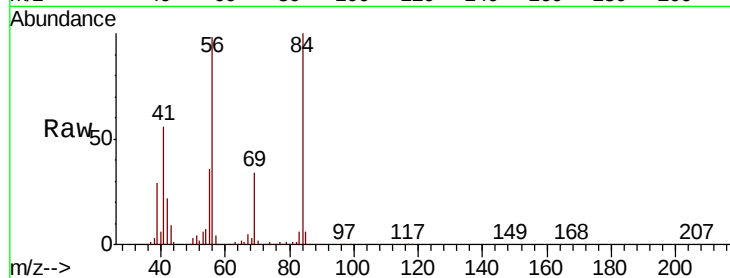
Tot Ion: 56 Resp: 293827

Ion Ratio Lower Upper

56 100

69 33.1 26.5 39.7

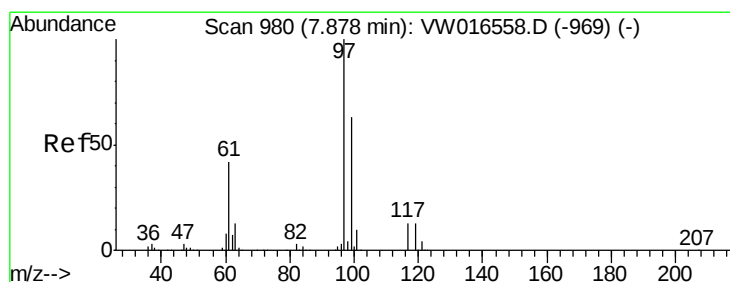
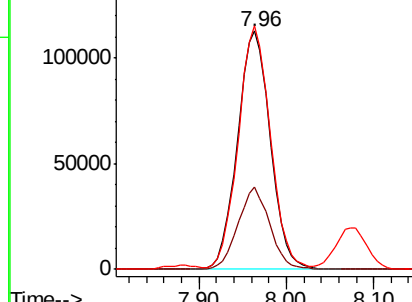
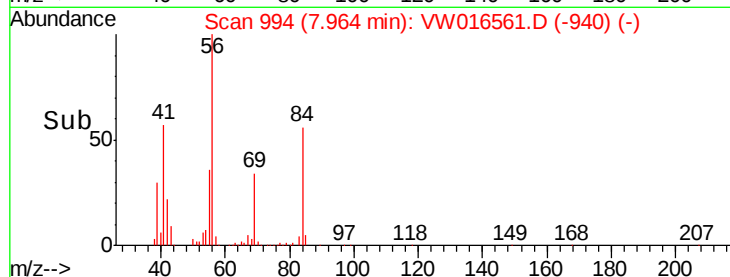
84 100.2 79.0 118.6



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 25.072 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW016561.D

Acq: 15 Sep 2020 16:07

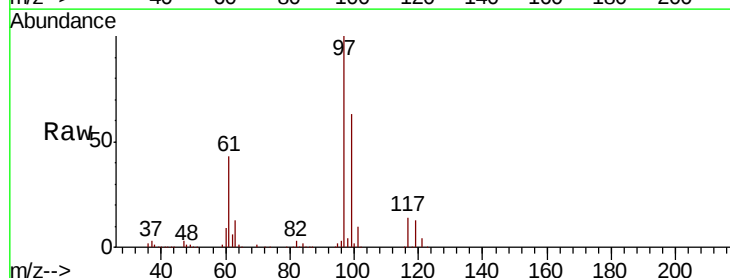
Tgt Ion: 97 Resp: 317876

Ion Ratio Lower Upper

97 100

99 64.6 51.8 77.6

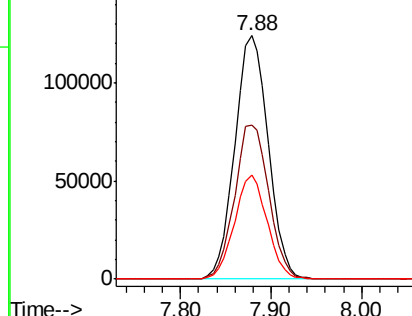
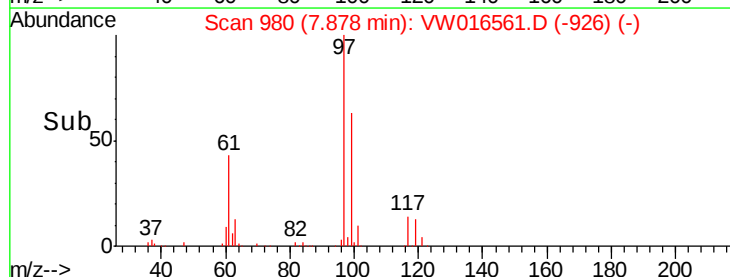
61 41.8 33.6 50.4

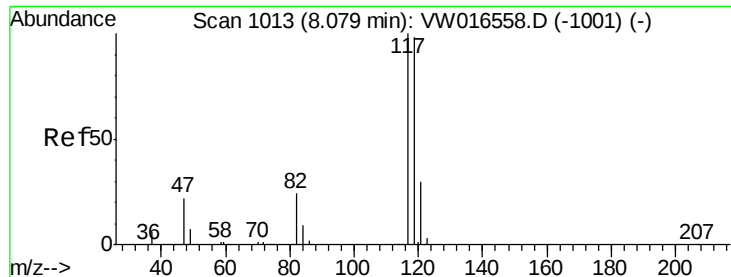


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 25.169 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VW016561.D

Acq: 15 Sep 2020 16:07

Instrument :

MSVOA_W

ClientSampled :

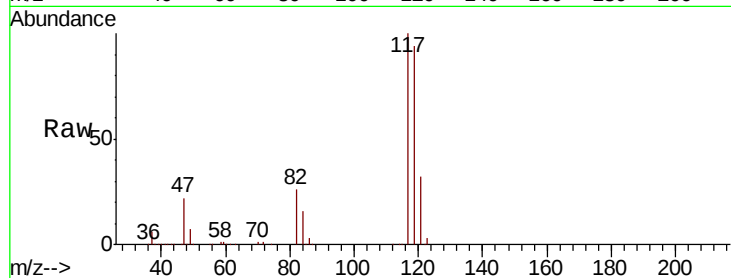
BFB25

Tot Ion:117 Resp: 310023

Ion Ratio Lower Upper

117 100

119 96.4 78.2 117.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

150000

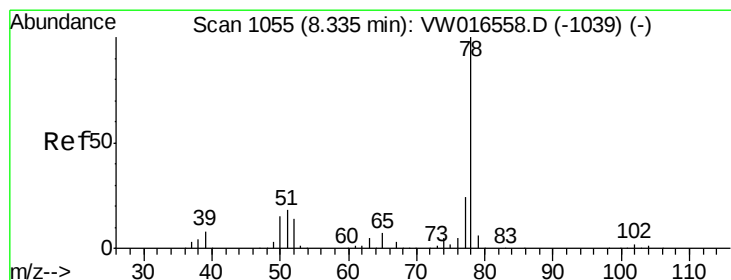
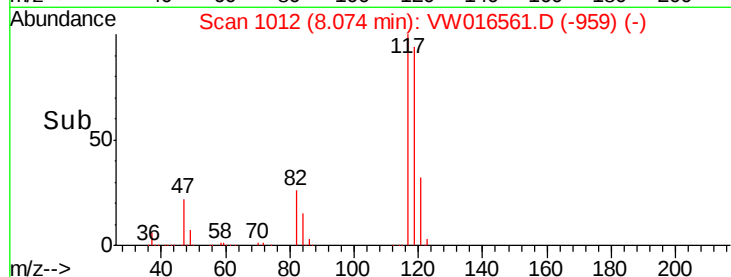
100000

50000

0

8.00 8.10 8.20

Time-->



#34

Benzene

Concen: 25.233 ug/L

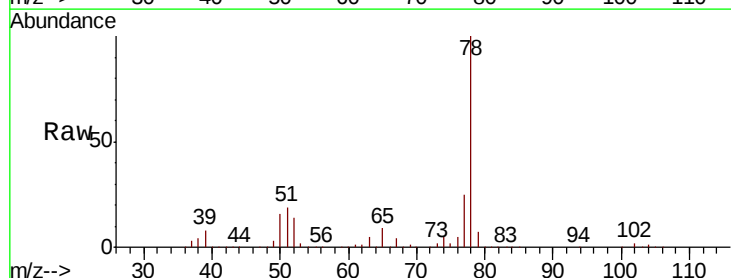
RT: 8.33 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VW016561.D

Acq: 15 Sep 2020 16:07

Tgt Ion: 78 Resp: 734201



Abundance Ion 78.00 (77.70 to 78.70): VW

8.33

300000

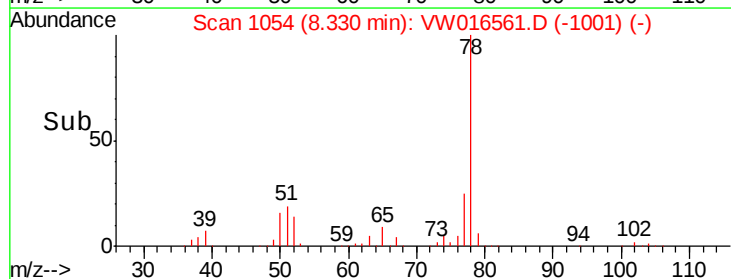
200000

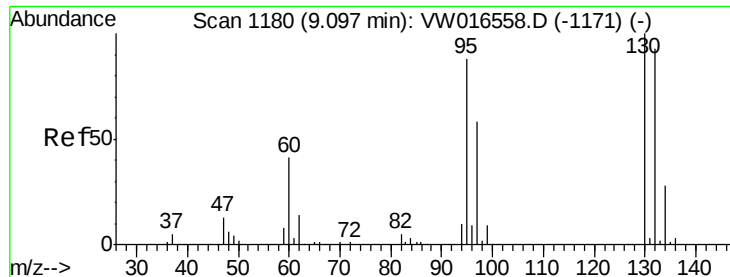
100000

0

8.20 8.30 8.40

Time-->





#35

Trichloroethene

Concen: 25.221 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW016561.D

Acq: 15 Sep 2020 16:07

Instrument :

MSVOA_W

ClientSampled :

BFB25

Tot Ion: 95 Resp: 212324

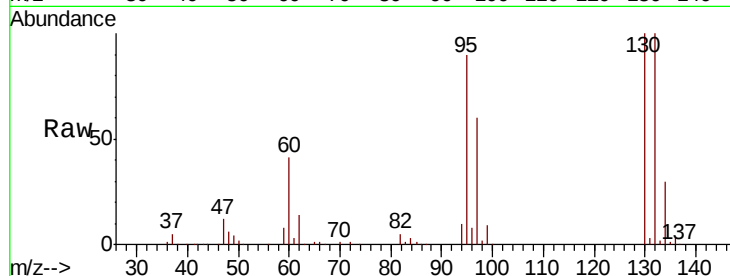
Ion Ratio Lower Upper

95 100

97 65.0 45.2 84.0

132 105.1 73.3 136.1

130 107.4 77.5 143.9

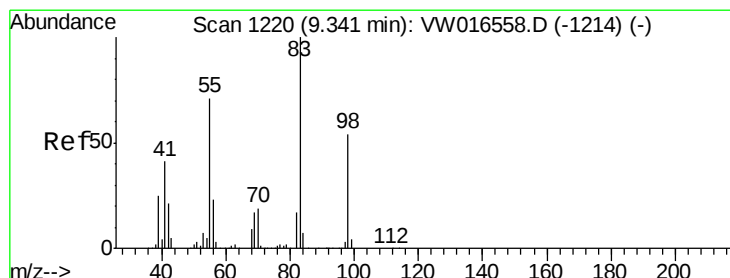
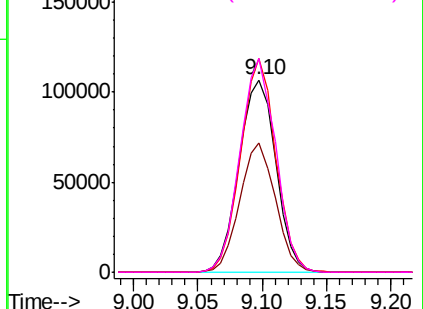
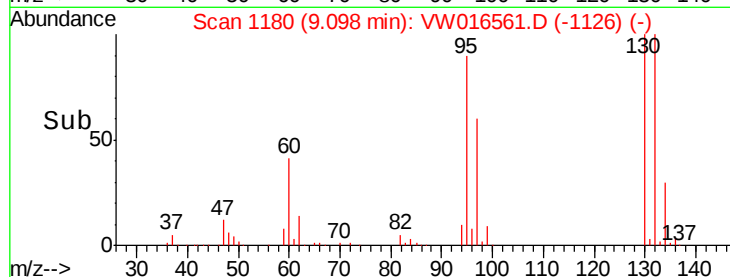


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 25.062 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VW016561.D

Acq: 15 Sep 2020 16:07

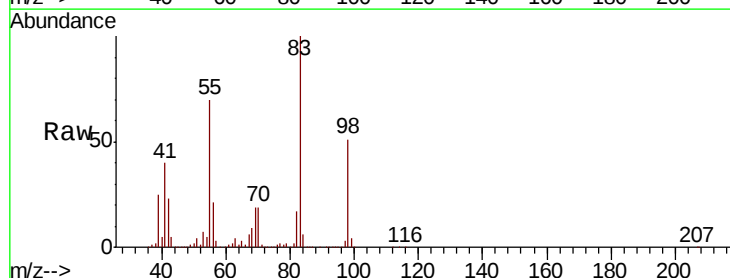
Tgt Ion: 83 Resp: 357869

Ion Ratio Lower Upper

83 100

55 69.4 55.9 83.9

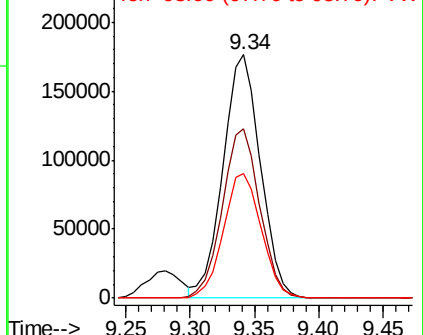
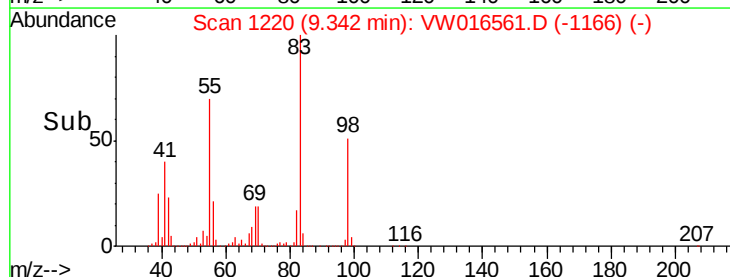
98 51.9 42.1 63.1

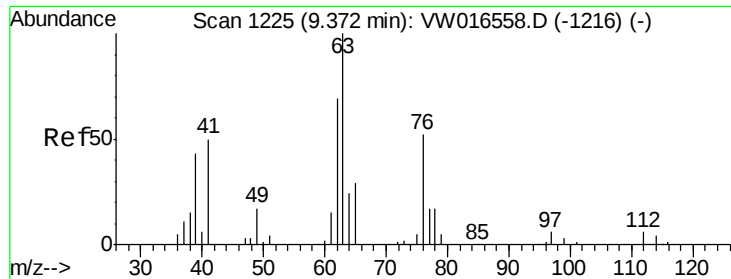


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

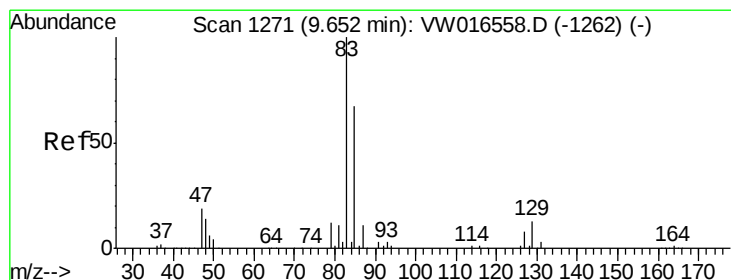
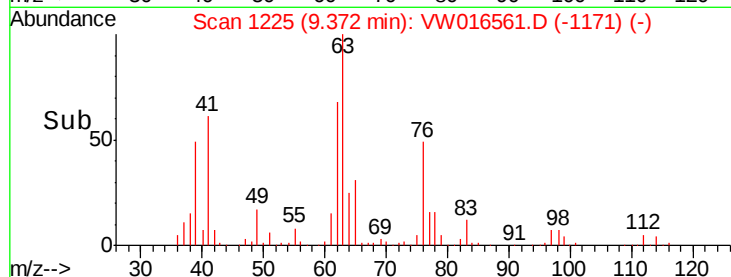
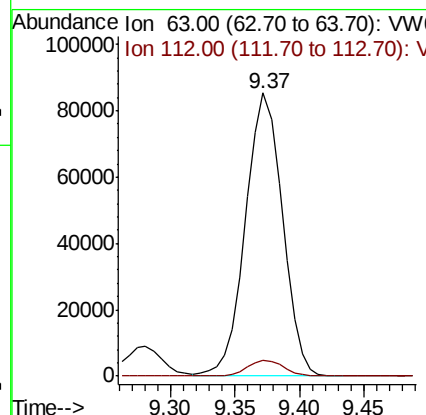
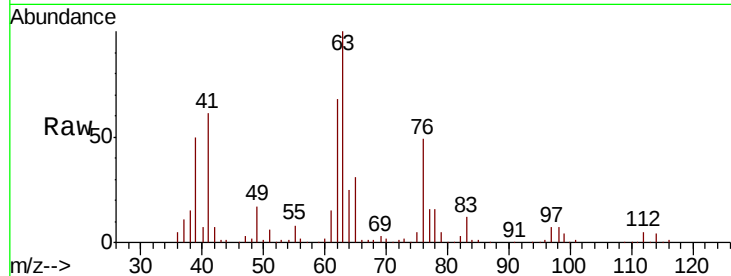




#40
 1,2-Dichloropropane
 Concen: 25.204 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016561.D
 Acq: 15 Sep 2020 16:07

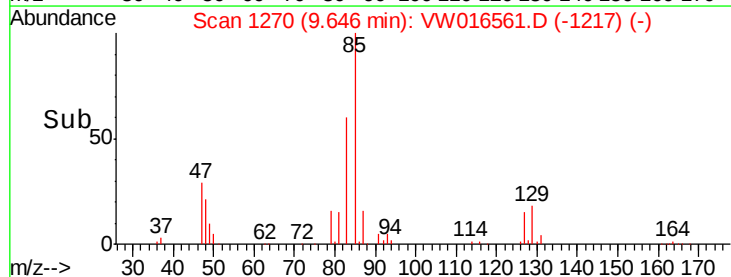
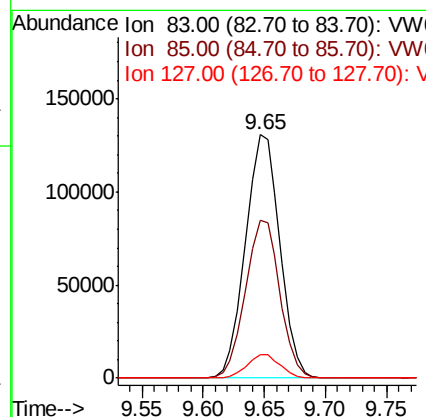
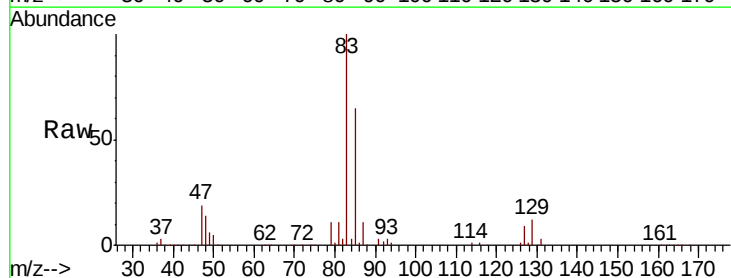
Instrument :
 MSVOA_W
 ClientSampleID :
 BFB25

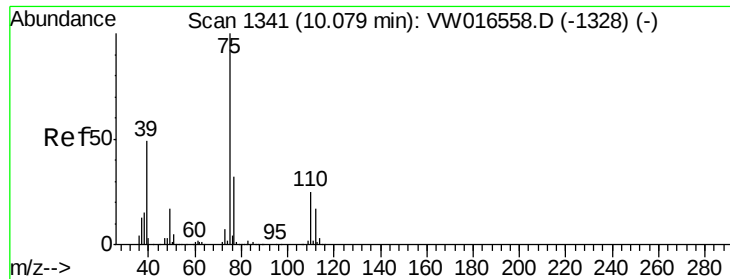
Tot Ion: 63 Resp: 170568
 Ion Ratio Lower Upper
 63 100
 112 5.5 4.5 6.7



#41
 Bromodichloromethane
 Concen: 25.488 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VW016561.D
 Acq: 15 Sep 2020 16:07

Tgt Ion: 83 Resp: 255604
 Ion Ratio Lower Upper
 83 100
 85 64.7 46.8 86.8
 127 9.4 6.8 10.2





#42

cis-1,3-Dichloropropene

Concen: 25.651 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VW016561.D

Acq: 15 Sep 2020 16:07

Instrument :

MSVOA_W

ClientSampled :

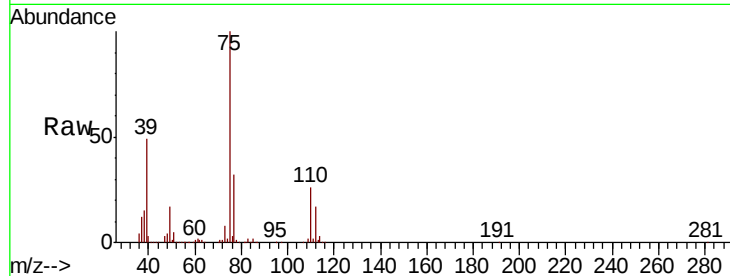
BFB25

Tot Ion: 75 Resp: 296510

Ion Ratio Lower Upper

75 100

77 31.9 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.08

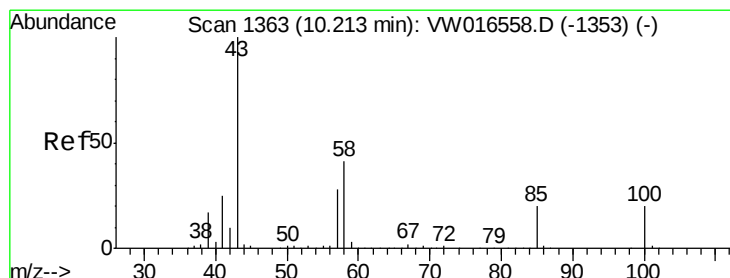
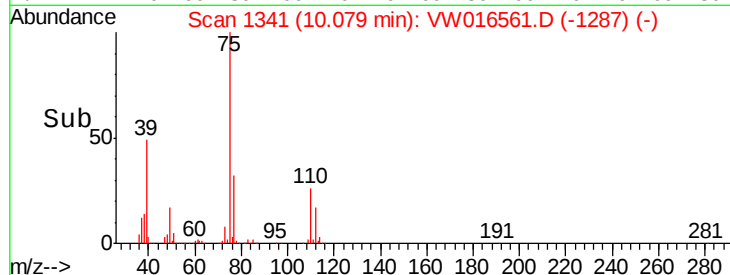
150000

100000

50000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 51.518 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016561.D

Acq: 15 Sep 2020 16:07

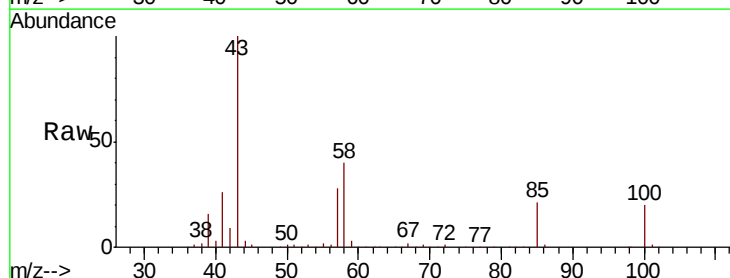
Tgt Ion: 43 Resp: 221507

Ion Ratio Lower Upper

43 100

58 41.1 32.2 48.4

100 20.0 15.8 23.6



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

250000

200000

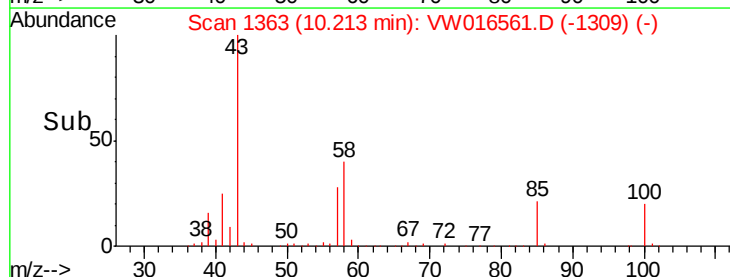
150000

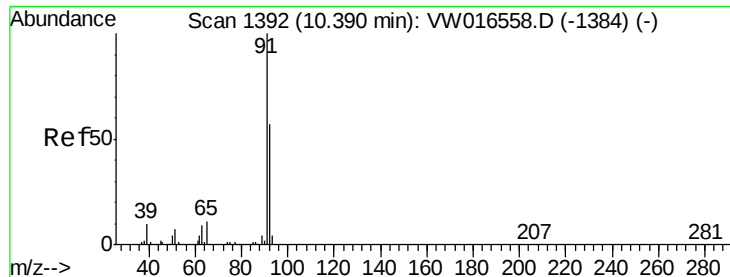
100000

50000

0

Time-->





#44

Toluene

Concen: 25.179 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016561.D

Acq: 15 Sep 2020 16:07

Instrument :

MSVOA_W

ClientSampled :

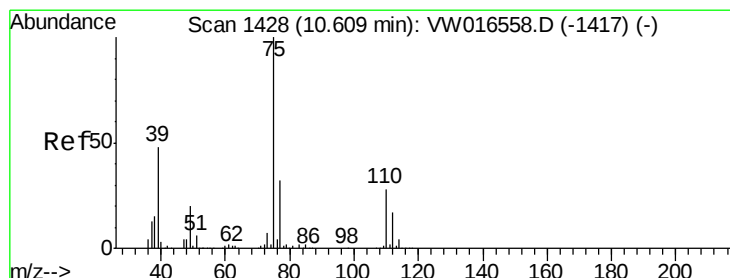
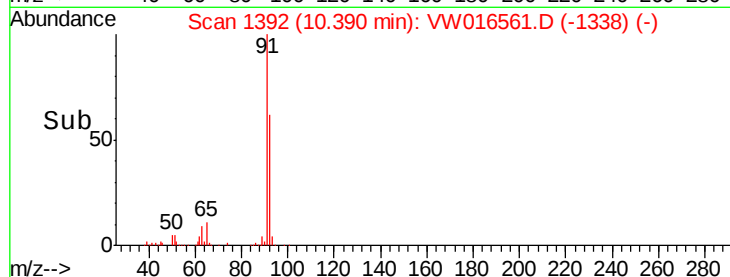
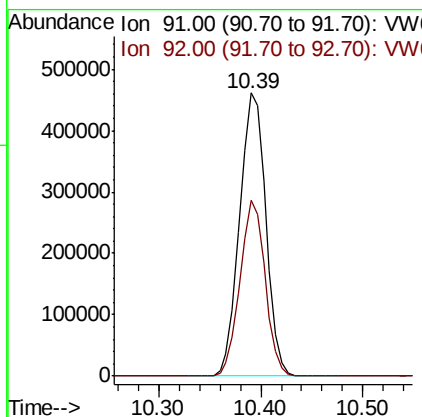
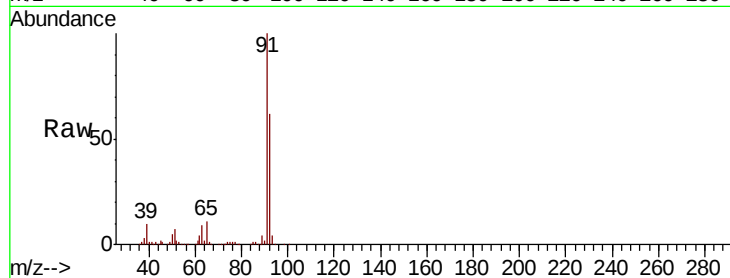
BFB25

Tot Ion: 91 Resp: 823825

Ion Ratio Lower Upper

91 100

92 62.1 39.6 73.6



#45

trans-1,3-Dichloropropene

Concen: 25.845 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016561.D

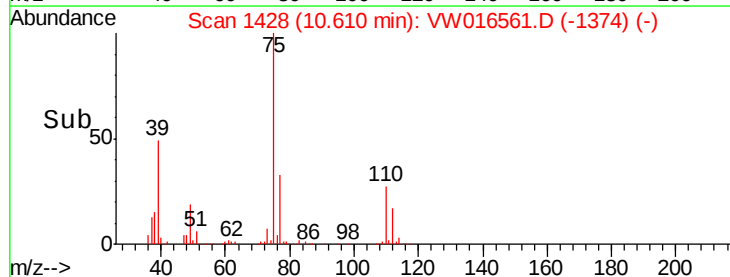
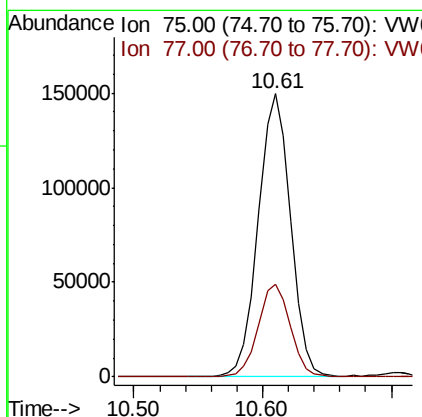
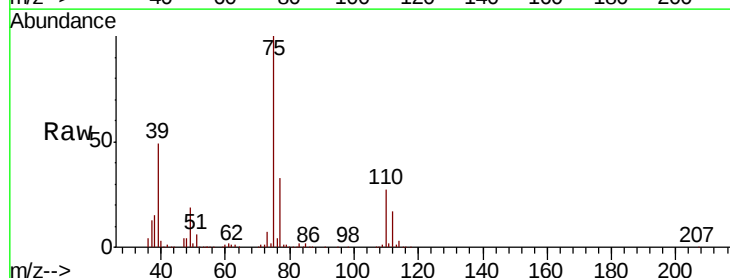
Acq: 15 Sep 2020 16:07

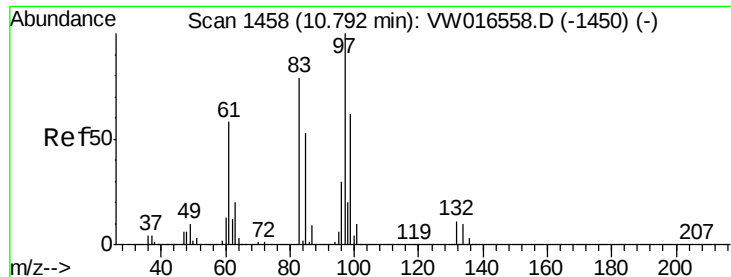
Tgt Ion: 75 Resp: 259931

Ion Ratio Lower Upper

75 100

77 32.5 22.5 41.9

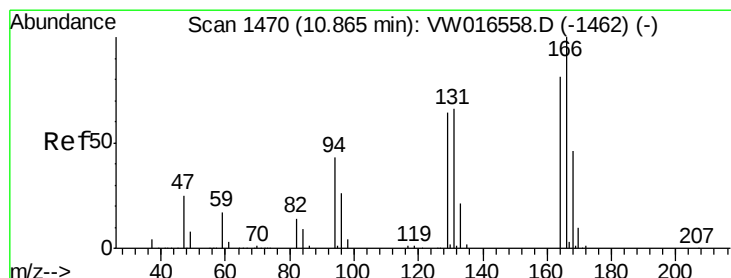
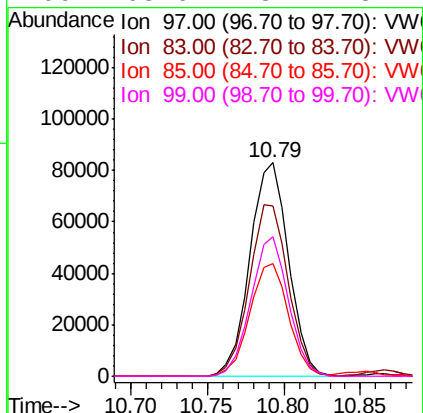
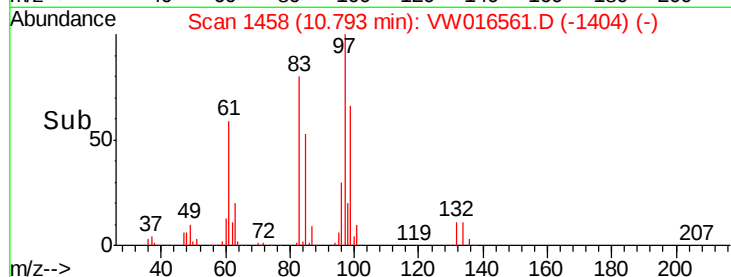
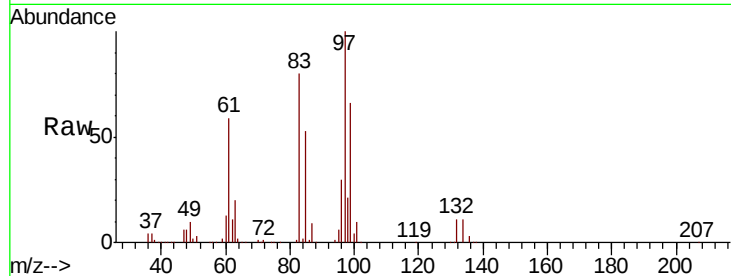




#46
 1,1,2-Trichloroethane
 Concen: 25.684 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW016561.D
 Acq: 15 Sep 2020 16:07

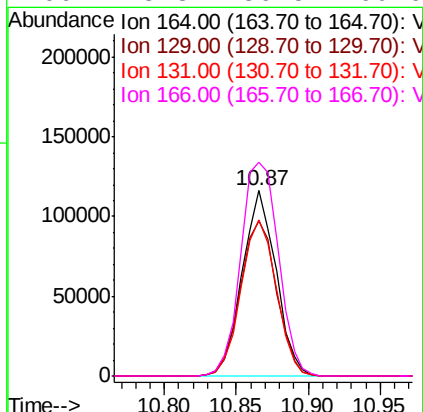
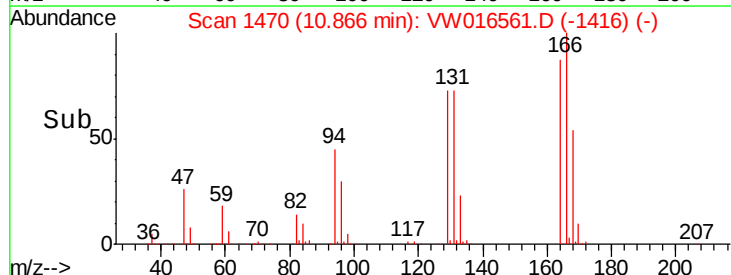
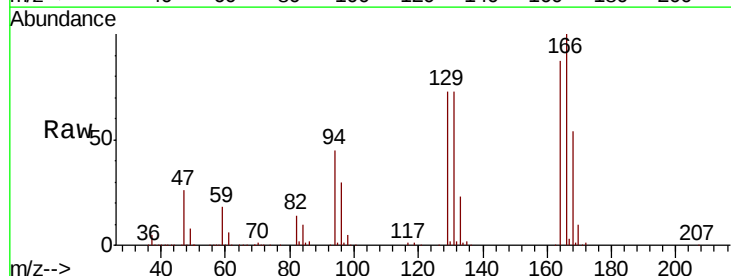
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB25

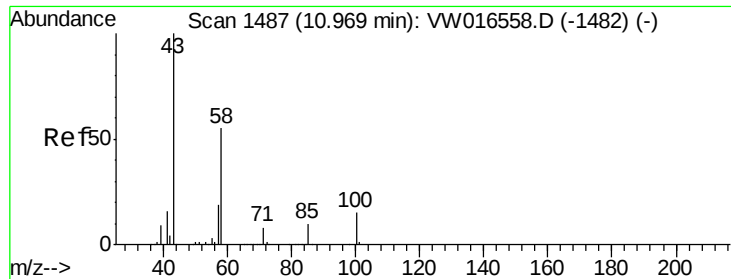
Tot Ion:	97	Resp:	146427
Ion	Ratio	Lower	Upper
97	100		
83	79.9	55.7	103.5
85	52.7	36.8	68.4
99	65.6	43.7	81.1



#47
 Tetrachloroethene
 Concen: 24.846 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW016561.D
 Acq: 15 Sep 2020 16:07

Tgt Ion:	164	Resp:	188873
Ion	Ratio	Lower	Upper
164	100		
129	83.8	55.6	103.2
131	84.3	57.2	106.2
166	115.3	86.5	160.6





#49

2-Hexanone

Concen: 54.845 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW016561.D

Acq: 15 Sep 2020 16:07

Instrument :

MSVOA_W

ClientSampled :

BFB25

Tot Ion: 43 Resp: 149656

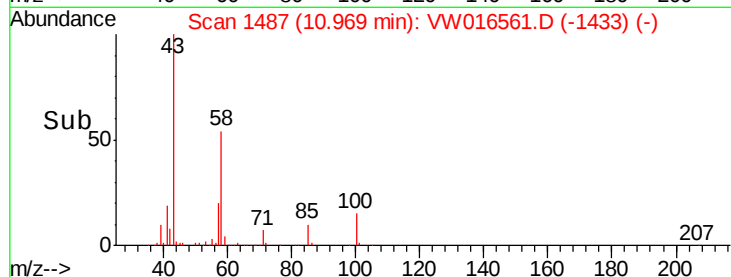
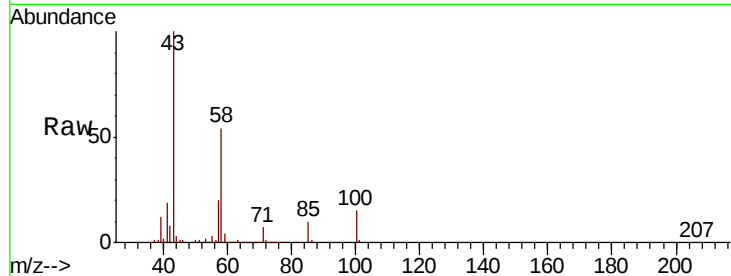
Ion Ratio Lower Upper

43 100

58 55.1 44.2 66.2

57 20.0 16.3 24.5

100 15.4 12.4 18.6

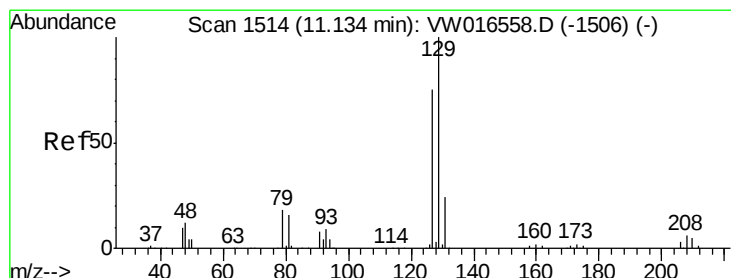
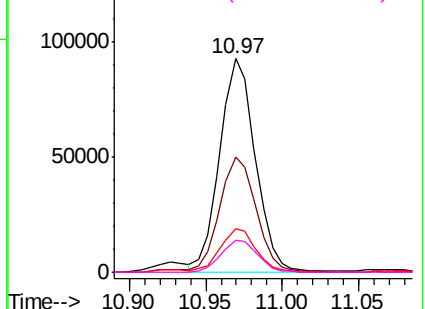


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 25.523 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VW016561.D

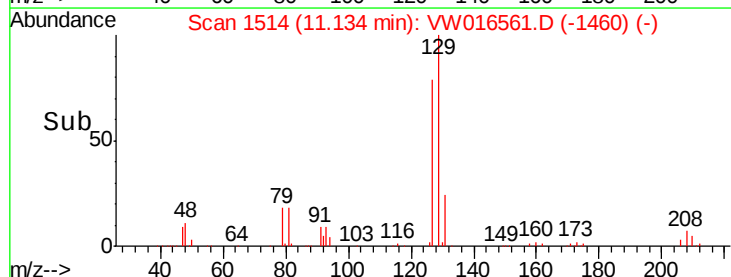
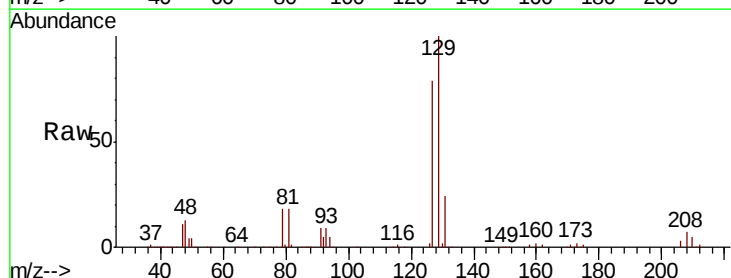
Acq: 15 Sep 2020 16:07

Tgt Ion: 129 Resp: 189977

Ion Ratio Lower Upper

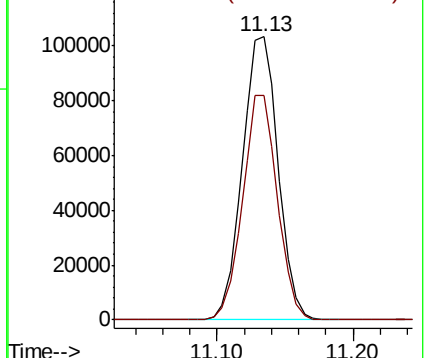
129 100

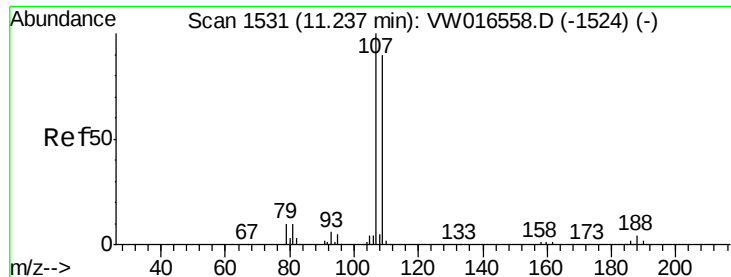
127 79.4 52.4 97.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

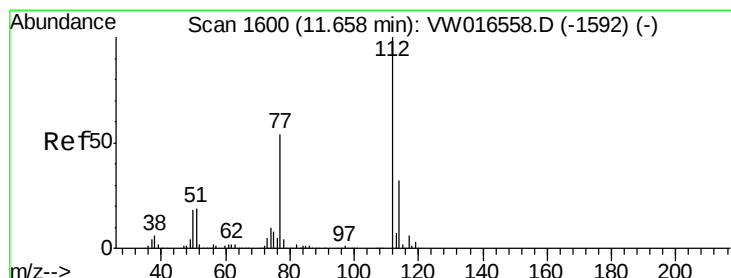
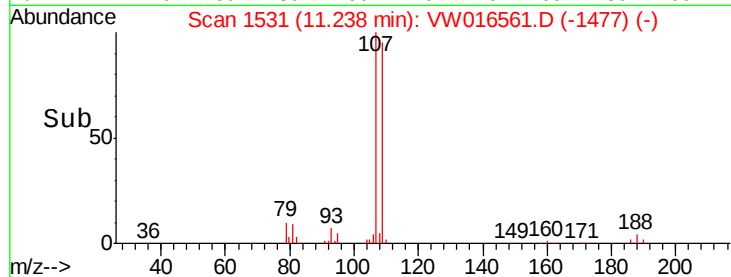
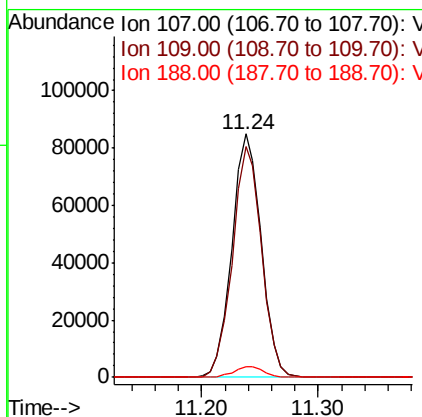
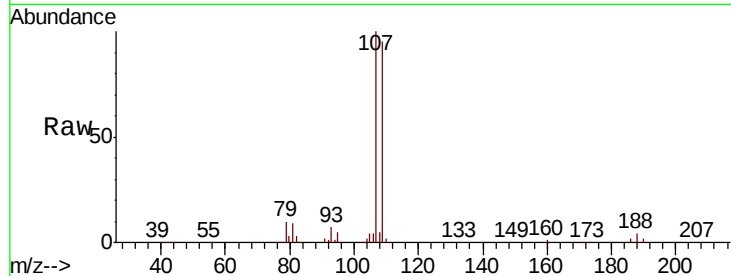




#51
 1,2-Dibromoethane
 Concen: 26.037 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW016561.D
 Acq: 15 Sep 2020 16:07

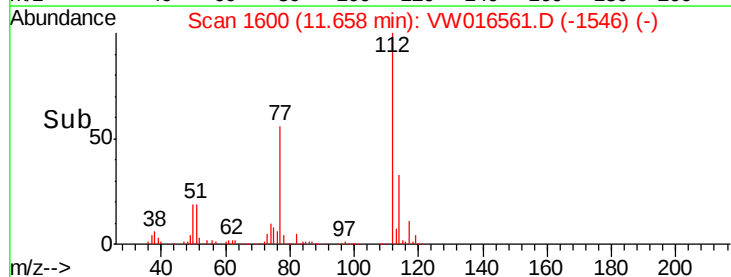
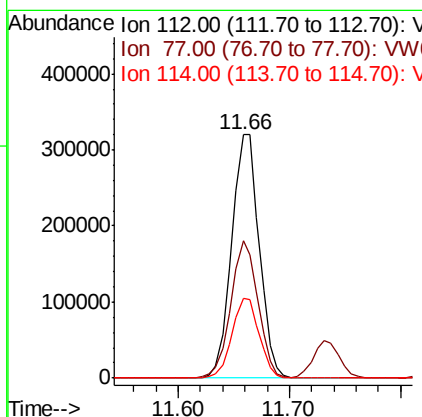
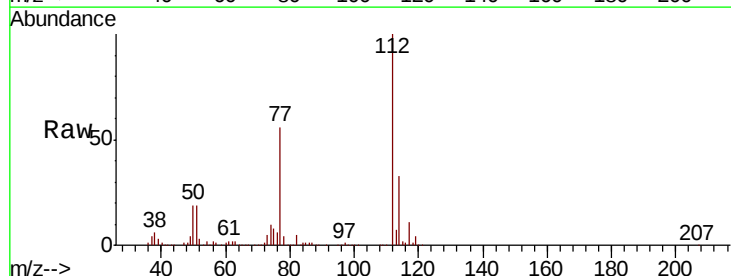
Instrument :
 MSVOA_W
 ClientSampled :
 BFB25

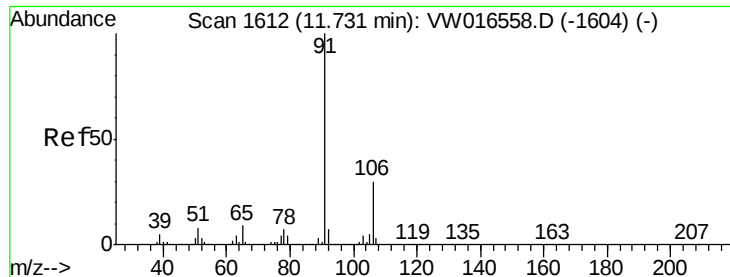
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	63.0	117.0
188	4.3	3.1	4.7



#52
 Chlorobenzene
 Concen: 24.962 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW016561.D
 Acq: 15 Sep 2020 16:07

Tgt Ion	Ratio	Lower	Upper
112	100		
77	56.3	43.1	64.7
114	32.6	22.3	41.3

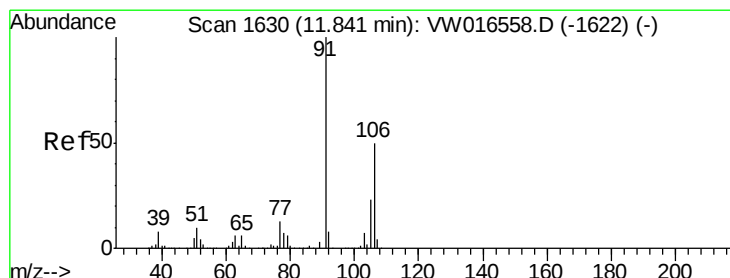
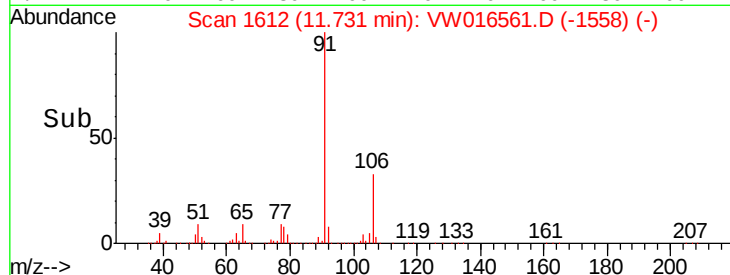
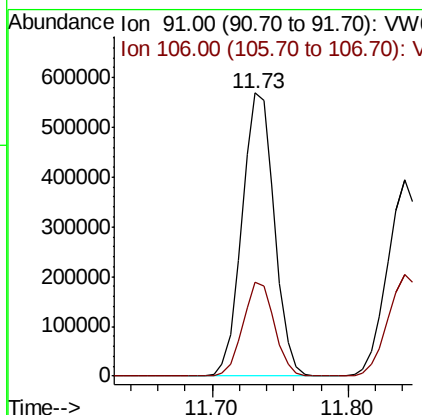
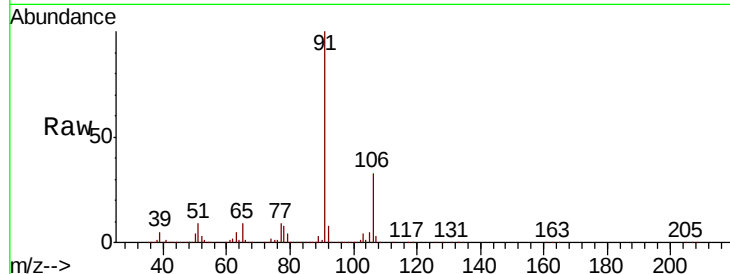




#53
Ethylbenzene
Concen: 25.417 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016561.D
Acq: 15 Sep 2020 16:07

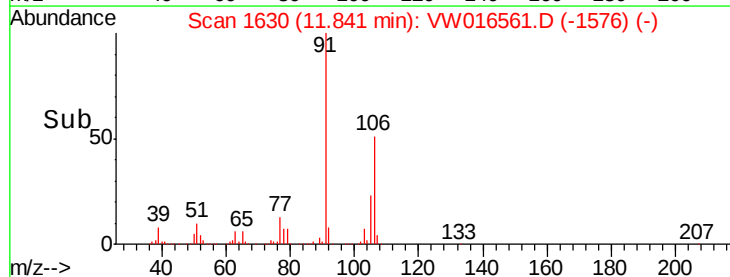
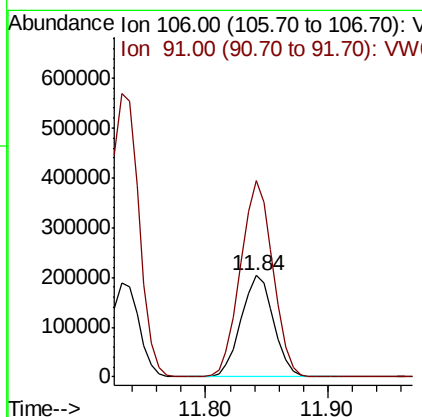
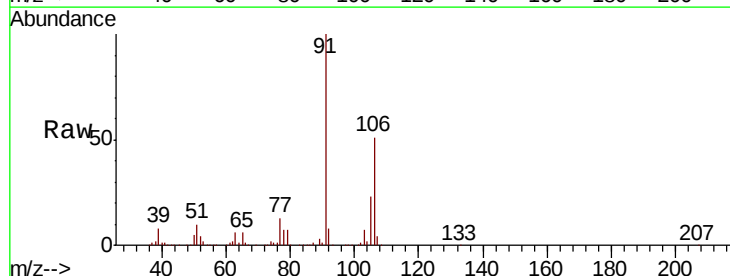
Instrument :
MSVOA_W
ClientSampled :
BFB25

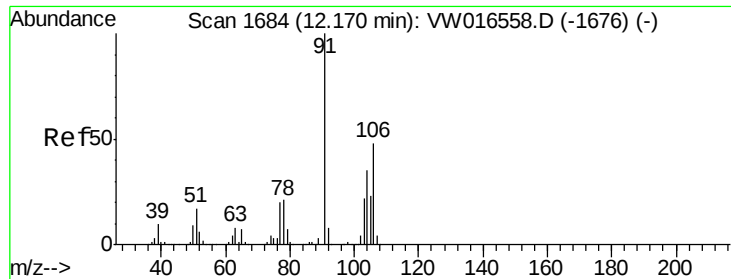
Tot Ion: 91 Resp: 944142
Ion Ratio Lower Upper
91 100
106 33.0 20.7 38.5



#54
m,p-Xylene
Concen: 25.750 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016561.D
Acq: 15 Sep 2020 16:07

Tgt Ion: 106 Resp: 374544
Ion Ratio Lower Upper
106 100
91 194.6 139.7 259.5

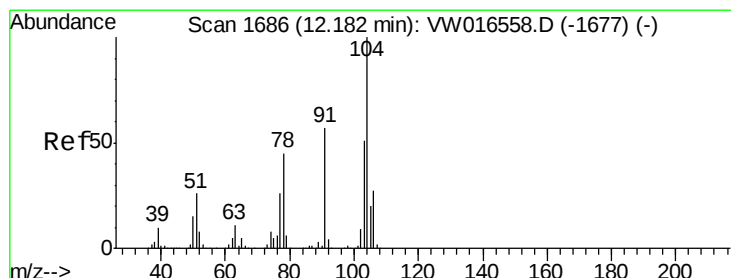
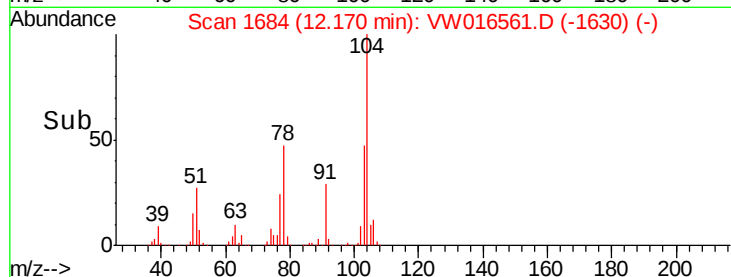
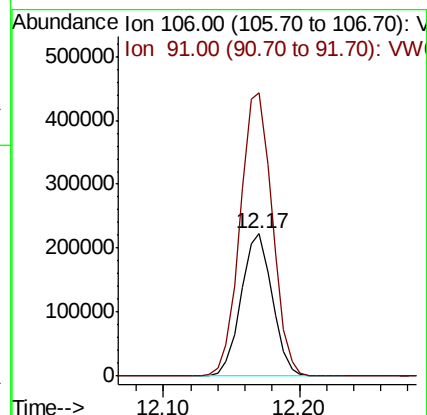
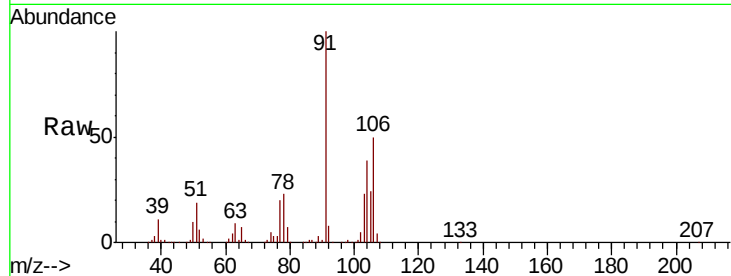




#55
o-xylene
Concen: 25.532 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016561.D
Acq: 15 Sep 2020 16:07

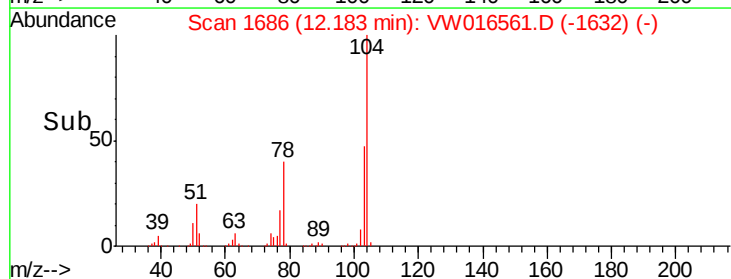
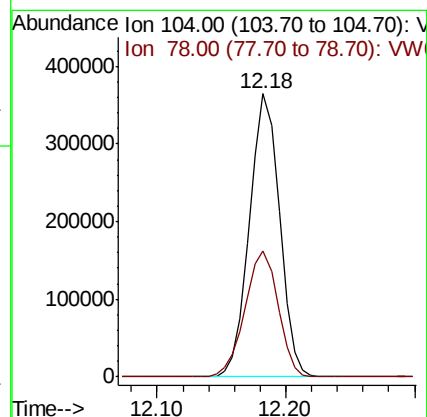
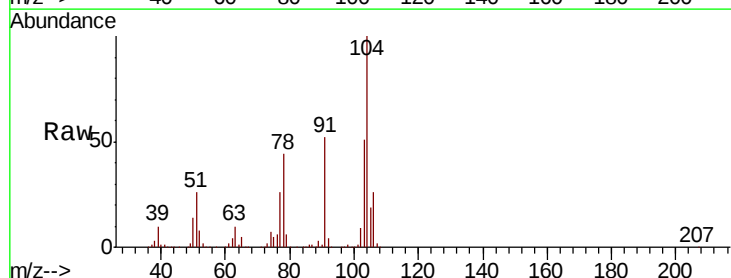
Instrument :
MSVOA_W
ClientSampled :
BFB25

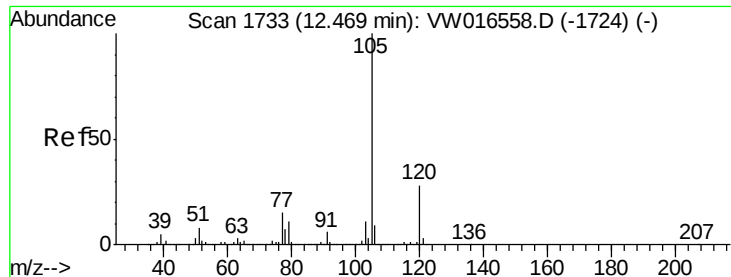
Tot Ion:106 Resp: 355785
Ion Ratio Lower Upper
106 100
91 199.2 144.8 268.8



#56
Styrene
Concen: 25.445 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016561.D
Acq: 15 Sep 2020 16:07

Tgt Ion:104 Resp: 588782
Ion Ratio Lower Upper
104 100
78 44.5 31.4 58.2





#57

Isopropylbenzene

Concen: 25.796 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW016561.D

Acq: 15 Sep 2020 16:07

Instrument :

MSVOA_W

ClientSampleId :

BFB25

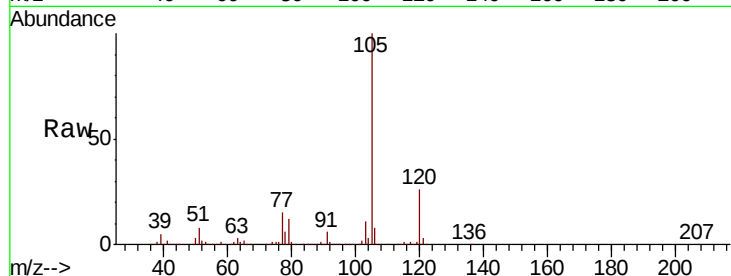
Tot Ion:105 Resp: 982236

Ion Ratio Lower Upper

105 100

120 27.0 21.8 32.8

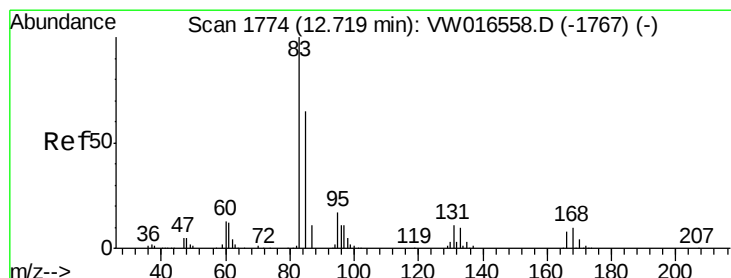
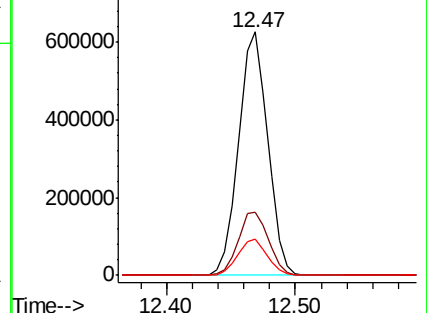
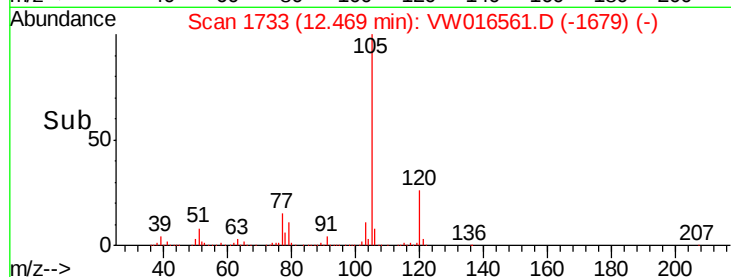
77 15.0 12.2 18.2



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: 26.280 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW016561.D

Acq: 15 Sep 2020 16:07

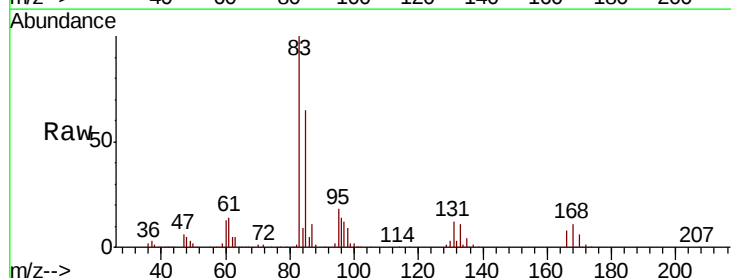
Tgt Ion: 83 Resp: 167545

Ion Ratio Lower Upper

83 100

85 65.4 46.0 85.4

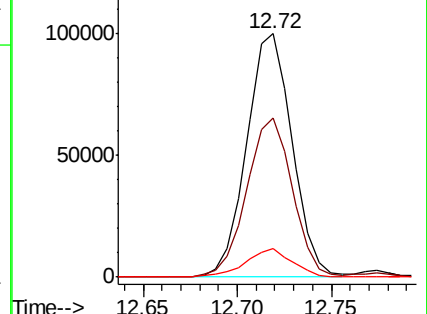
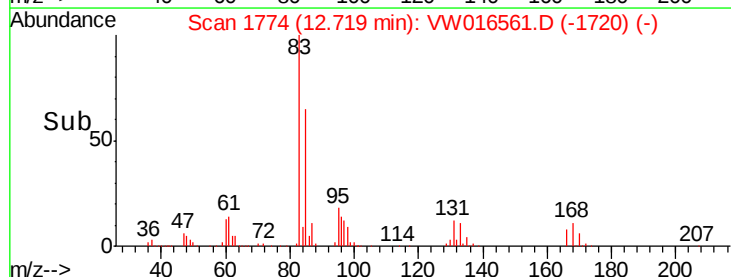
131 11.6 9.0 13.6

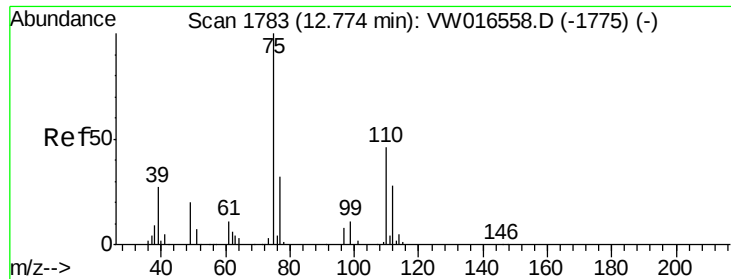


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.998 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW016561.D

Acq: 15 Sep 2020 16:07

Instrument :

MSVOA_W

ClientSampled :

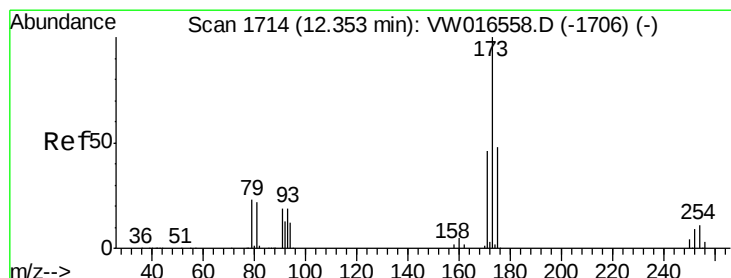
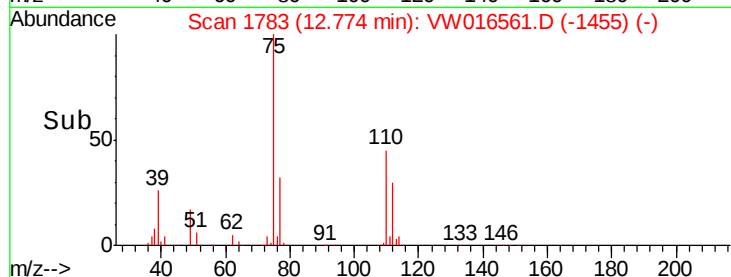
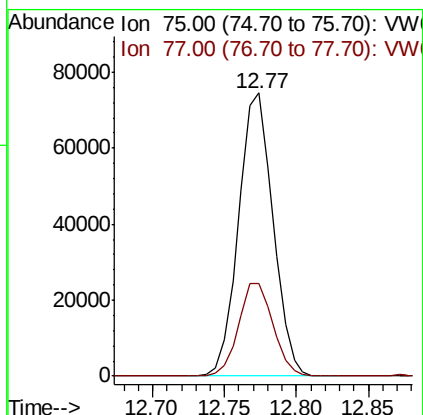
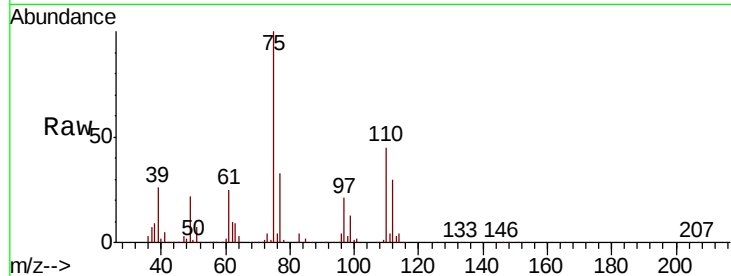
BFB25

Tot Ion: 75 Resp: 123456

Ion Ratio Lower Upper

75 100

77 33.0 26.2 39.4



#62

Bromoform

Concen: 25.845 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW016561.D

Acq: 15 Sep 2020 16:07

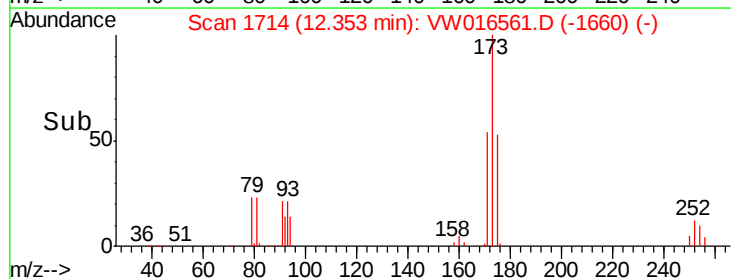
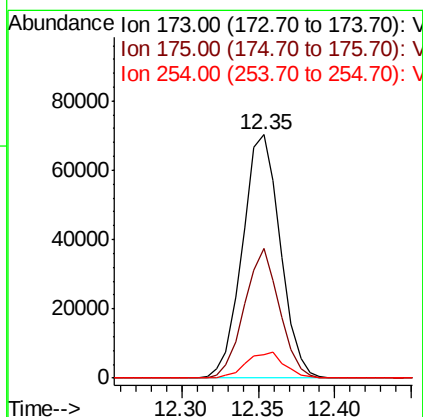
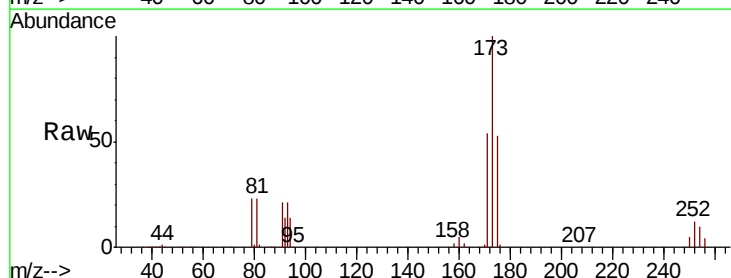
Tgt Ion: 173 Resp: 120517

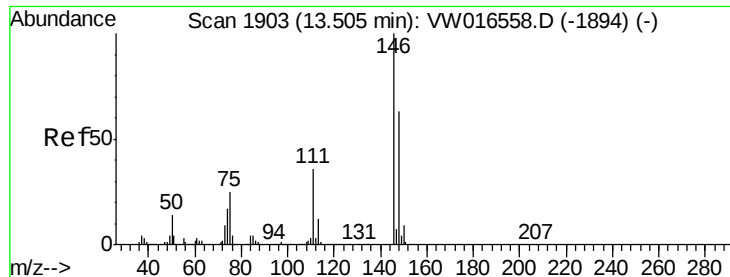
Ion Ratio Lower Upper

173 100

175 49.8 38.6 57.8

254 10.8 8.2 12.4

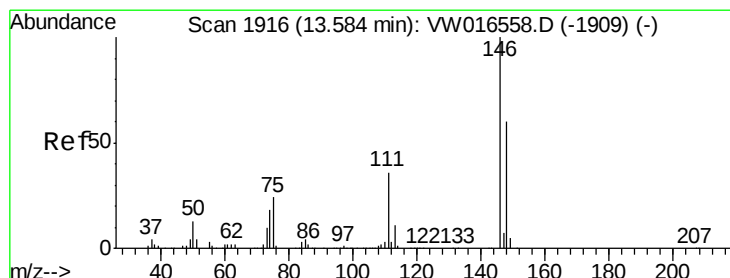
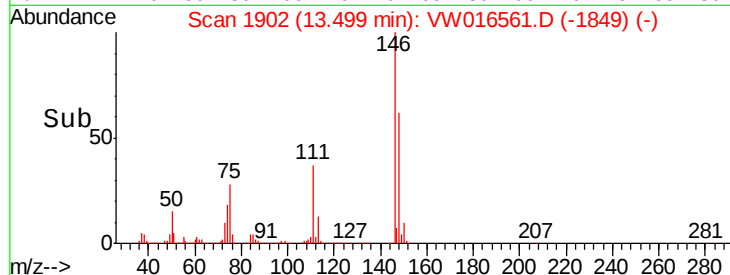
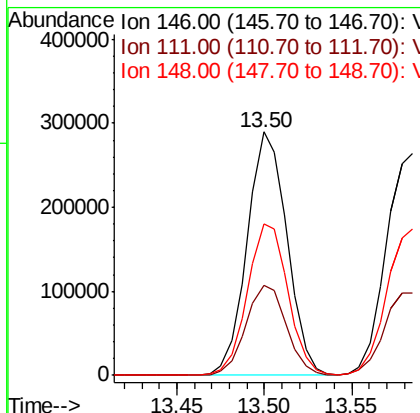
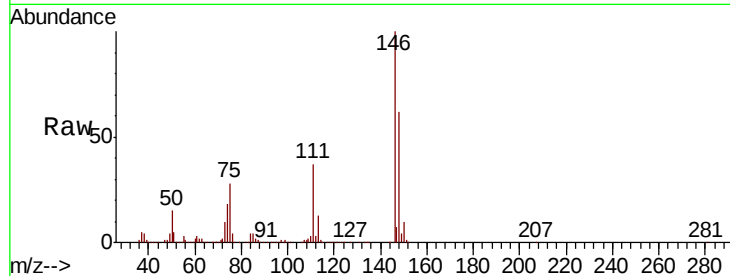




#63
 1,3-Dichlorobenzene
 Concen: 25.734 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW016561.D
 Acq: 15 Sep 2020 16:07

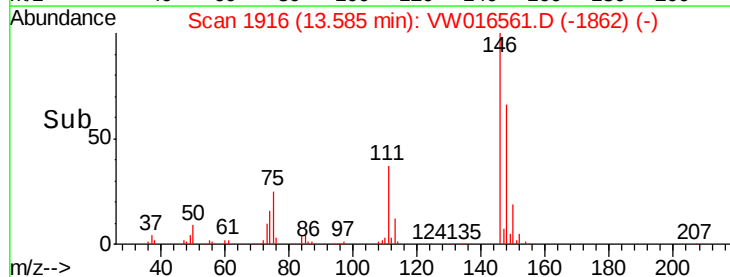
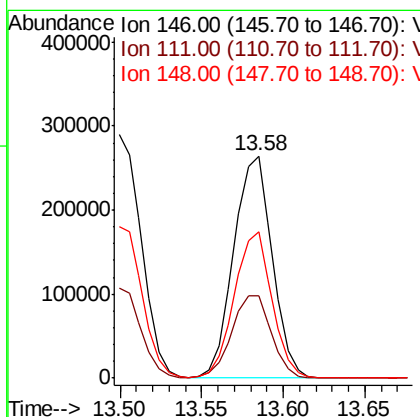
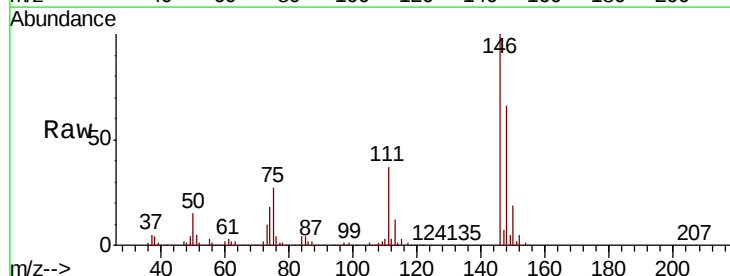
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB25

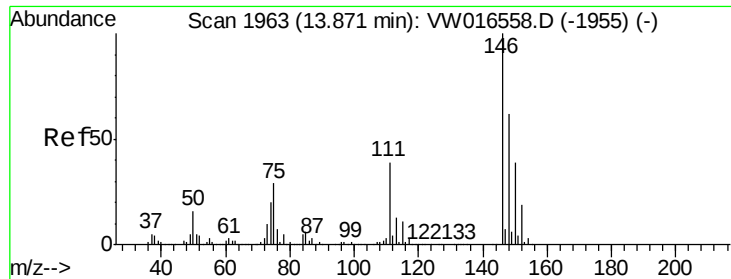
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	25.0	46.4
148	62.4	44.0	81.8



#64
 1,4-Dichlorobenzene
 Concen: 24.674 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW016561.D
 Acq: 15 Sep 2020 16:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	25.1	46.5
148	66.0	42.3	78.5

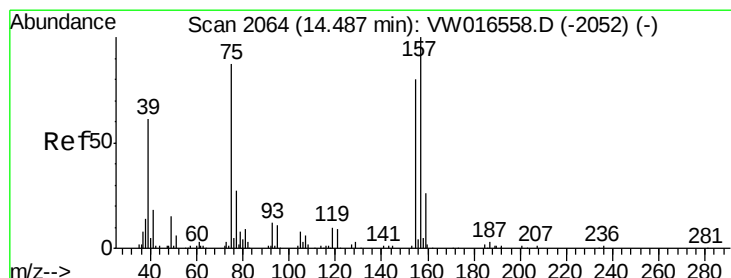
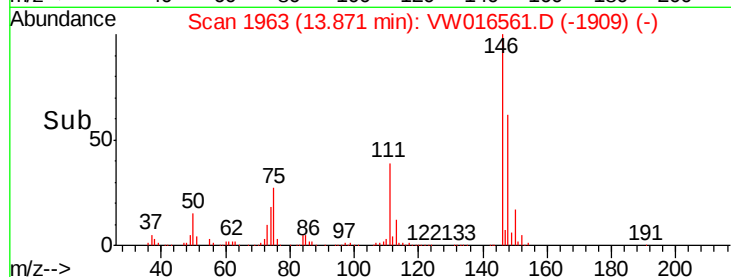
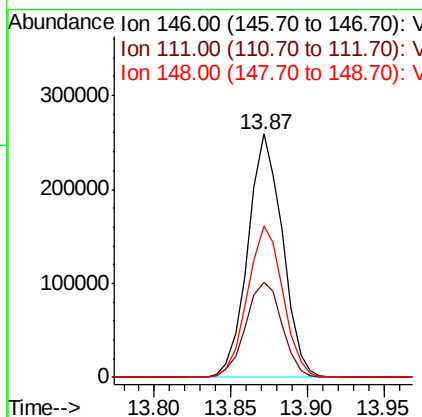
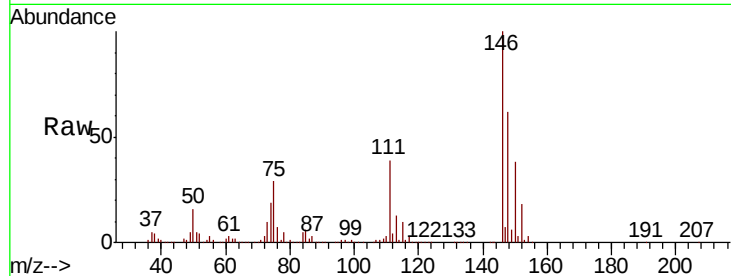




#65
 1,2-Dichlorobenzene
 Concen: 25.374 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016561.D
 Acq: 15 Sep 2020 16:07

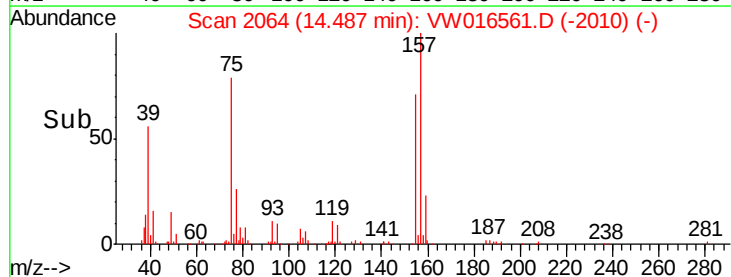
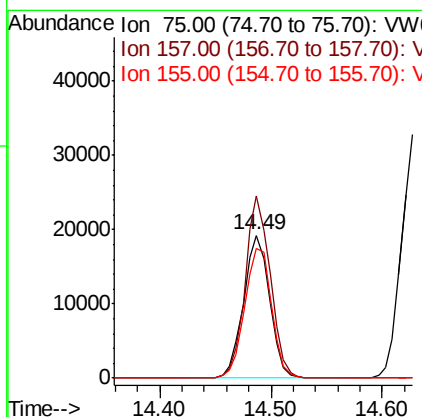
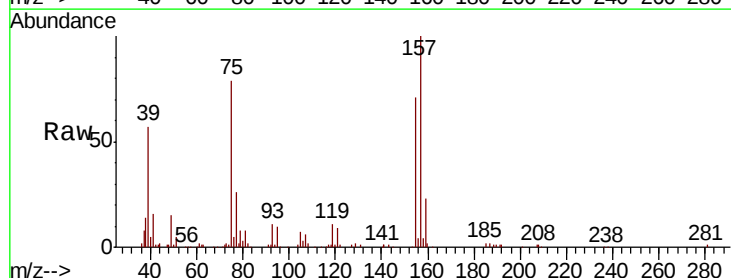
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB25

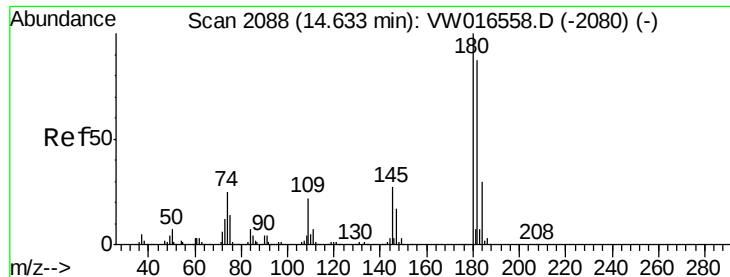
Tot Ion:146 Resp: 407705
 Ion Ratio Lower Upper
 146 100
 111 39.0 31.4 47.0
 148 62.1 49.3 73.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 27.158 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016561.D
 Acq: 15 Sep 2020 16:07

Tgt Ion: 75 Resp: 31279
 Ion Ratio Lower Upper
 75 100
 157 127.1 92.2 138.4
 155 90.5 73.5 110.3

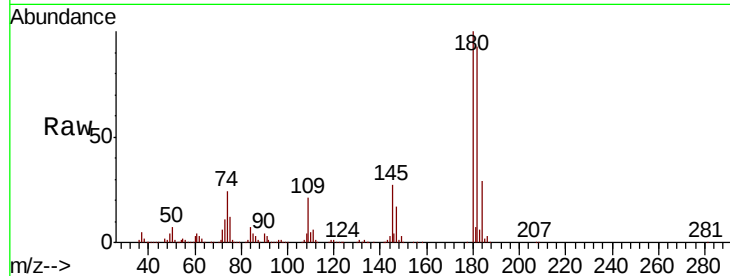




#67
 1,3,5-Trichlorobenzene
 Concen: 26.786 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW016561.D
 Acq: 15 Sep 2020 16:07

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB25

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.0	73.8	110.8
184	29.9	23.7	35.5
145	27.6	22.8	34.2



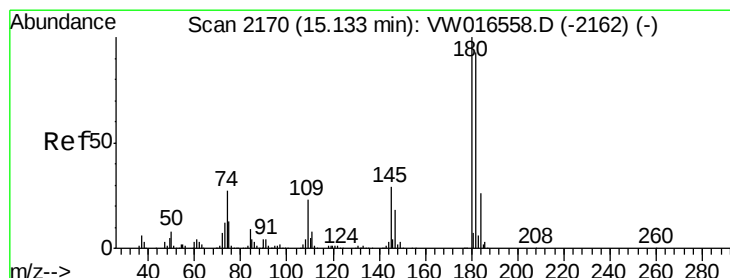
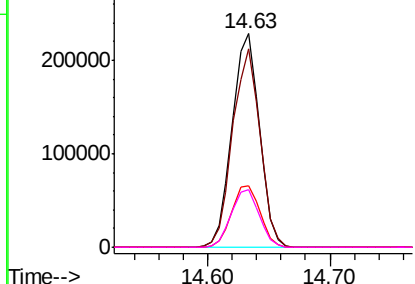
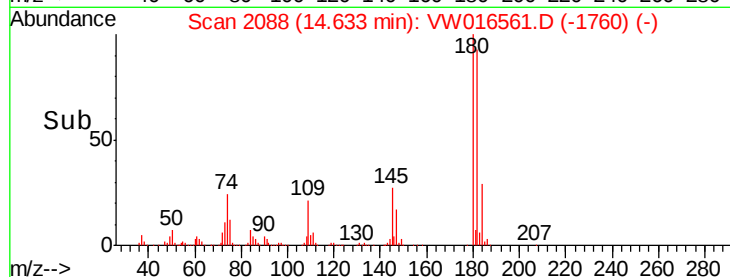
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

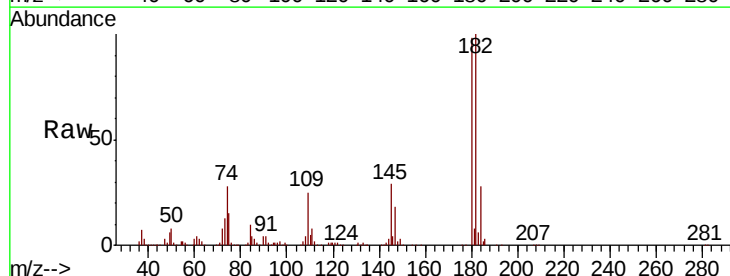
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 27.079 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016561.D
 Acq: 15 Sep 2020 16:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	74.5	111.7
145	29.7	23.1	34.7

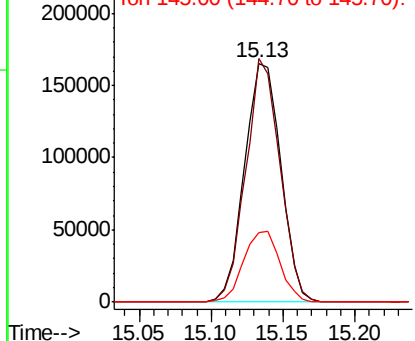
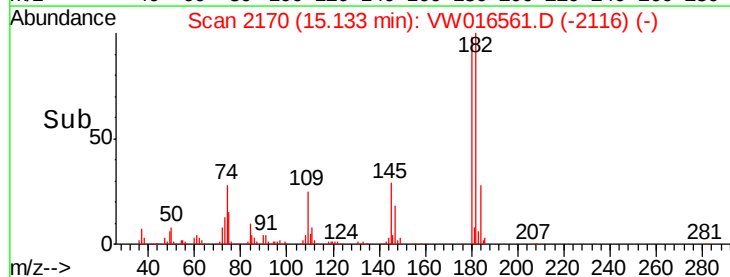


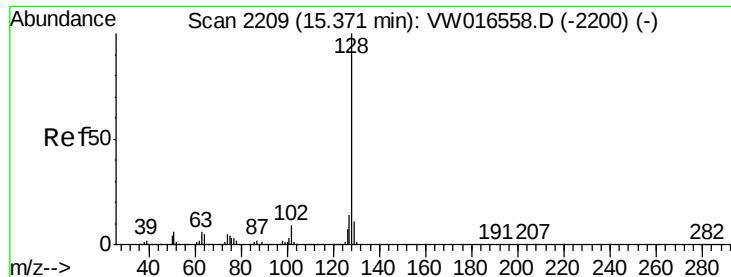
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 29.030 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW016561.D

Acq: 15 Sep 2020 16:07

Instrument :

MSVOA_W

ClientSampleId :

BFB25

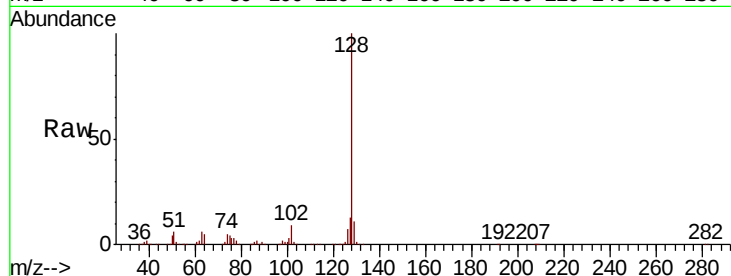
Tot Ion:128 Resp: 547489

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

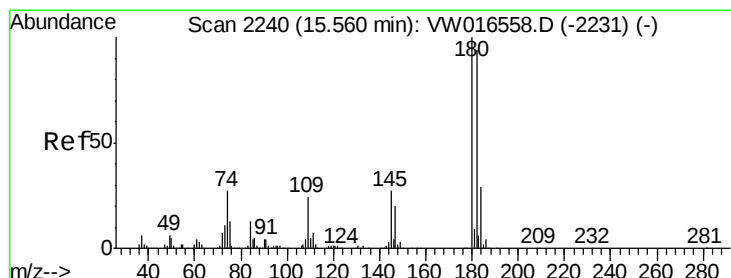
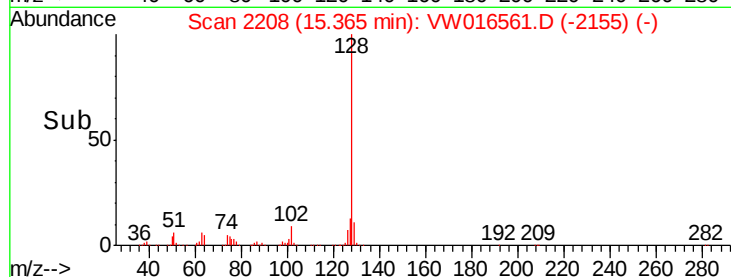
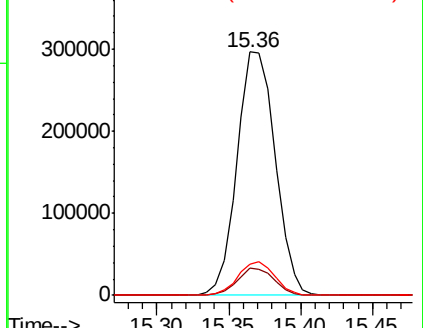
127 13.2 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 27.603 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW016561.D

Acq: 15 Sep 2020 16:07

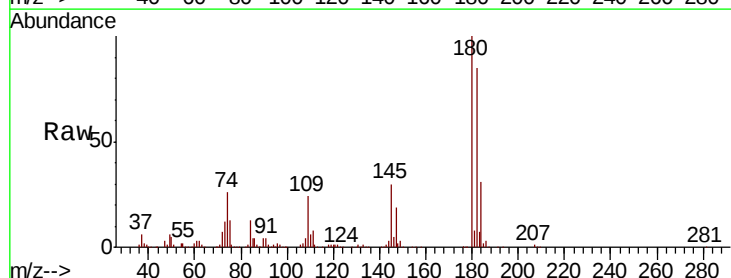
Tgt Ion:180 Resp: 252571

Ion Ratio Lower Upper

180 100

182 93.1 76.3 114.5

145 30.7 24.1 36.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

