

Data File : VW014908.D
Acq On : 07 Feb 2020 09:25
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB30

Quant Time: Feb 08 03:56:33 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020520S.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 07 15:50:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	646899	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	605677	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	288016	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	294856	27.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	110.12%
7) Chloroethane-d5	2.89	69	241855	28.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	112.84%
10) 1,1-Dichloroethene-d2	4.03	63	518632	26.51	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	106.04%
20) 2-Butanone-d5	7.08	46	170023	56.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.14%
24) Chloroform-d	7.65	84	499653	27.20	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	108.80%
26) 1,2-Dichloroethane-d4	8.31	65	284740	28.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	112.04%
29) Benzene-d6	8.27	84	995575	25.56	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.24%
33) 1,2-Dichloropropane-d6	9.27	67	329707	25.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.92%
37) Toluene-d8	10.32	98	865285	25.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.96%
38) trans-1,3-Dichloropropene-	10.57	79	128375	25.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.44%
39) 2-Hexanone-d5	10.92	63	121905	52.69	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.38%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	263937	27.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.44%
61) 1,2-Dichlorobenzene-d4	13.85	152	265104	23.74	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.96%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	191801	28.840 ug/L	94
3) Chloromethane	2.21	50	282570	28.039 ug/L	98
5) Vinyl chloride	2.37	62	369053	28.047 ug/L	98
6) Bromomethane	2.78	94	174527	26.525 ug/L	99
8) Chloroethane	2.93	64	203939	28.327 ug/L	99
9) Trichlorofluoromethane	3.26	101	156320	29.389 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	263213	28.033 ug/L	97
12) 1,1-Dichloroethene	4.04	96	240420	26.200 ug/L	93
13) Acetone	4.12	43	160322	51.678 ug/L	99
14) Carbon disulfide	4.39	76	754610	27.388 ug/L	100
15) Methyl Acetate	4.67	43	153752	30.117 ug/L	98
16) Methylene chloride	4.92	84	271407	23.029 ug/L	93
17) Methyl tert-butyl Ether	5.43	73	288937	24.101 ug/L	97
18) trans-1,2-Dichloroethene	5.42	96	237304	25.523 ug/L	92
19) 1,1-Dichloroethane	6.21	63	518497	27.526 ug/L	100
21) 2-Butanone	7.17	43	210346	57.911 ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	252781	25.136 ug/L	99

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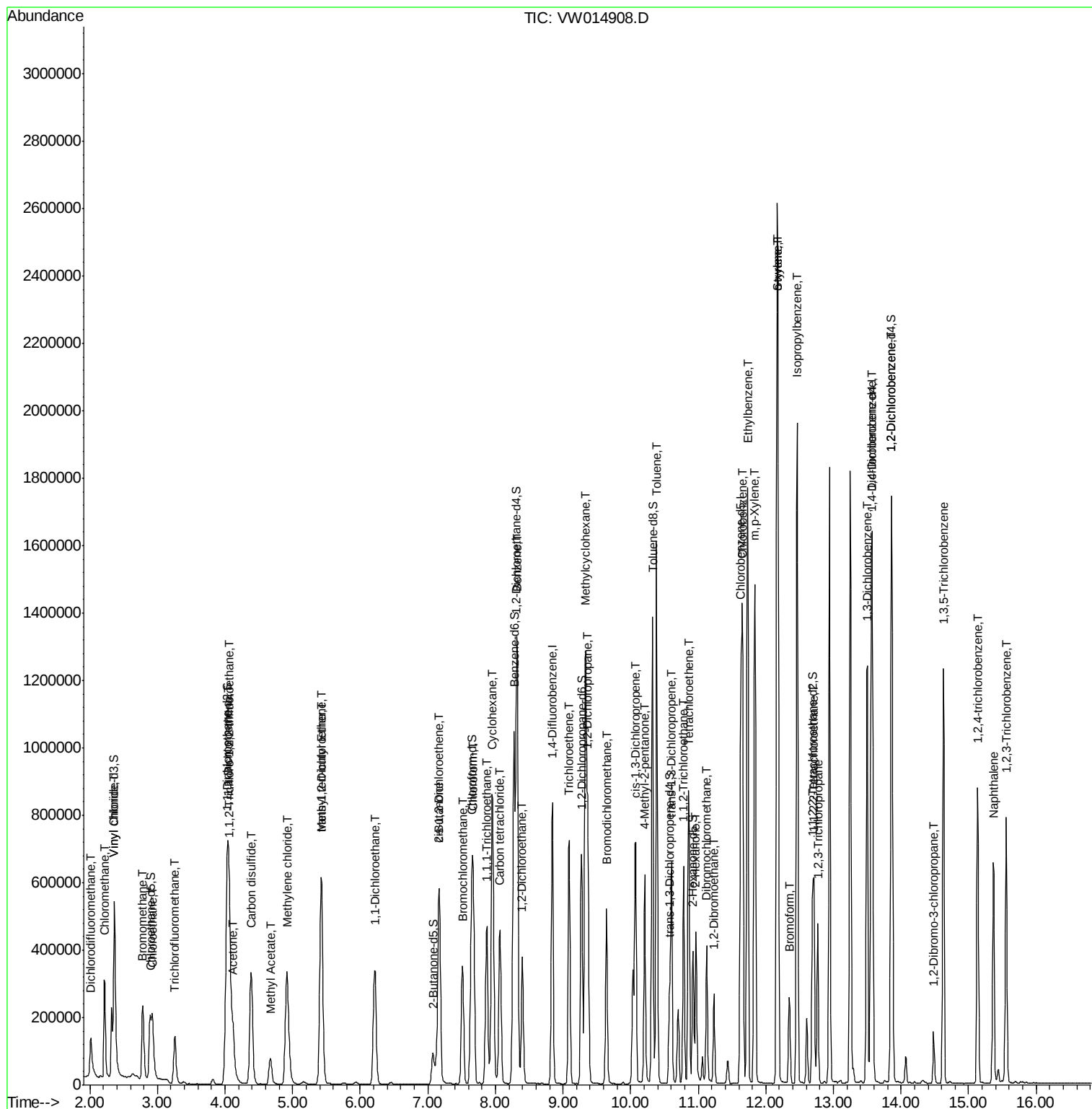
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	106770	25.877	ug/L	83
25) Chloroform	7.67	83	479156	27.692	ug/L	99
27) 1,2-Dichloroethane	8.40	62	340580	28.550	ug/L	100
30) Cyclohexane	7.96	56	474673	26.302	ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	364199	26.371	ug/L	98
32) Carbon tetrachloride	8.07	117	336648	27.118	ug/L	100
34) Benzene	8.32	78	1103855	26.504	ug/L	100
35) Trichloroethene	9.09	95	257853	24.976	ug/L	99
36) Methylcyclohexane	9.34	83	464581	25.833	ug/L	96
40) 1,2-Dichloropropane	9.37	63	301371	27.039	ug/L	100
41) Bromodichloromethane	9.64	83	343845	26.918	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	409931	25.901	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	422043	57.747	ug/L	96
44) Toluene	10.38	91	1120608	26.503	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	342003	26.834	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	195300	26.618	ug/L	97
47) Tetrachloroethene	10.86	164	190492	25.112	ug/L	97
49) 2-Hexanone	10.96	43	309484	60.286	ug/L	96
50) Dibromochloromethane	11.13	129	208266	26.411	ug/L	97
51) 1,2-Dibromoethane	11.23	107	176073	25.791	ug/L	98
52) Chlorobenzene	11.65	112	657476	25.433	ug/L	97
53) Ethylbenzene	11.73	91	1220666	26.389	ug/L	99
54) m,p-Xylene	11.83	106	443420	26.244	ug/L	95
55) o-xylene	12.16	106	413363	25.706	ug/L	98
56) Styrene	12.18	104	736301	27.092	ug/L	98
57) Isopropylbenzene	12.46	105	1144086	26.492	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	261091	28.509	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	195526	28.378	ug/L	99
62) Bromoform	12.35	173	112444	25.610	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	477982	24.568	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	481463	24.567	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	449146	25.240	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	41023	27.037	ug/L	99
67) 1,3,5-Trichlorobenzene	14.63	180	344774	24.744	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	261326	23.737	ug/L	100
69) Naphthalene	15.36	128	524455	24.218	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	252735	24.863	ug/L	100

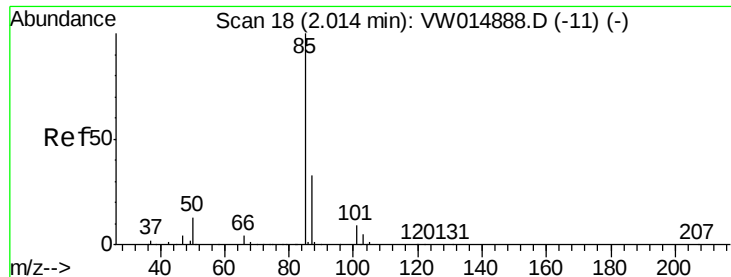
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 28.840 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW014908.D

Acq: 07 Feb 2020 09:25

Instrument :

MSVOA_W

ClientSampled :

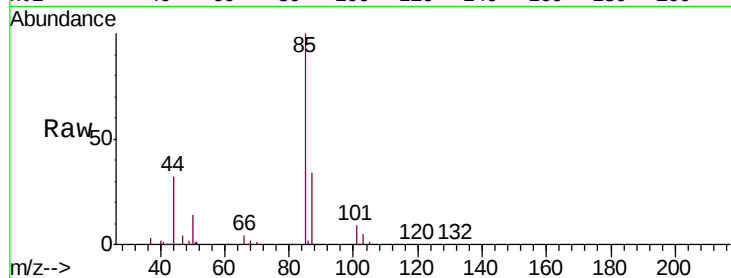
BFB30

Tgt Ion: 85 Resp: 191801

Ion Ratio Lower Upper

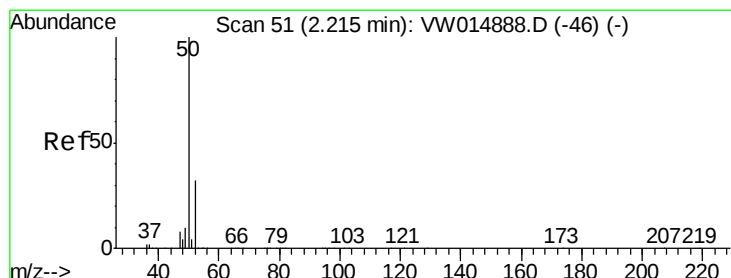
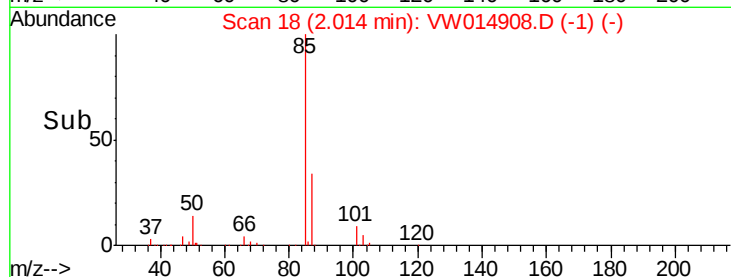
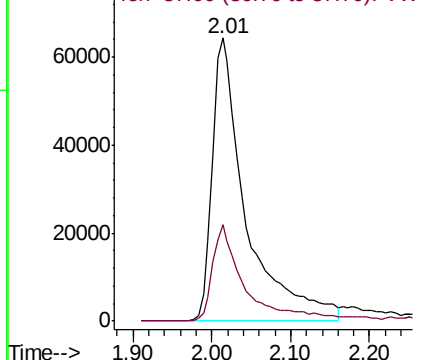
85 100

87 28.8 18.1 33.7



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 28.039 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW014908.D

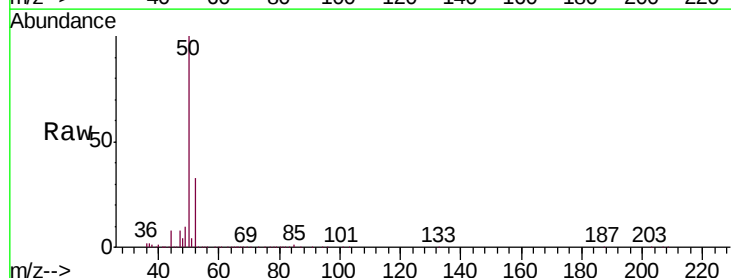
Acq: 07 Feb 2020 09:25

Tgt Ion: 50 Resp: 282570

Ion Ratio Lower Upper

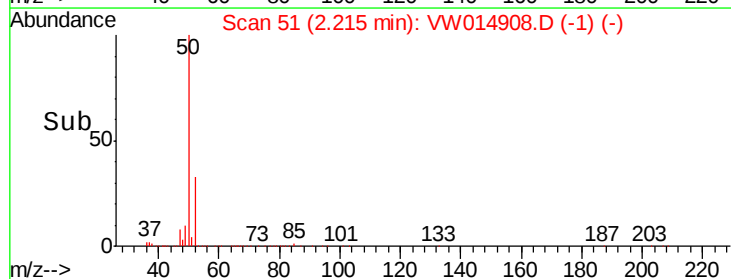
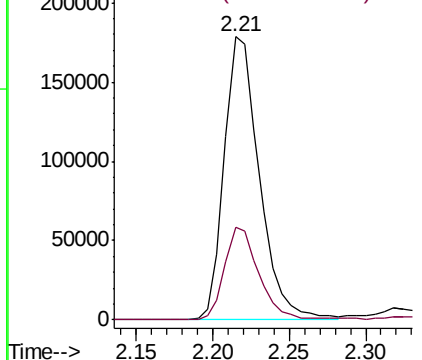
50 100

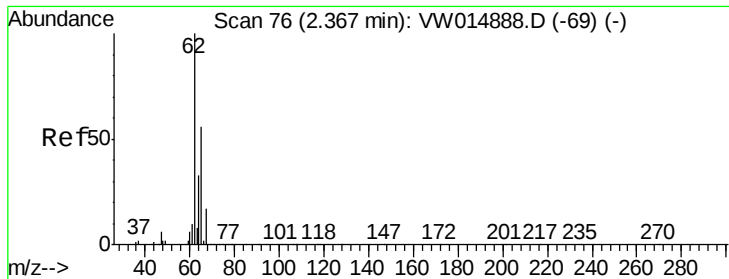
52 32.6 22.1 41.1



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 28.047 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW014908.D

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Instrument :

MSVOA_W

ClientSampleId :

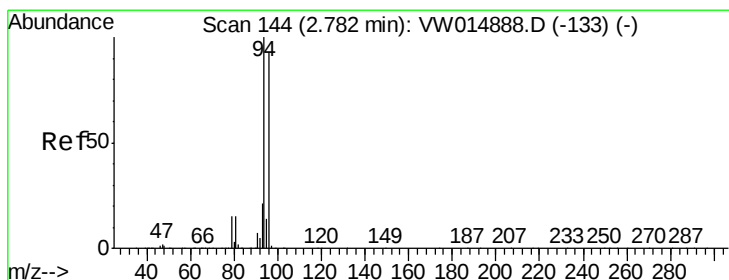
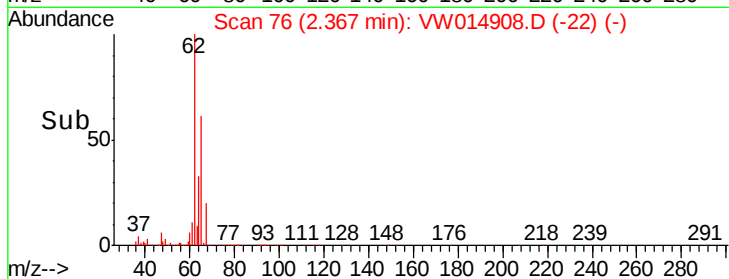
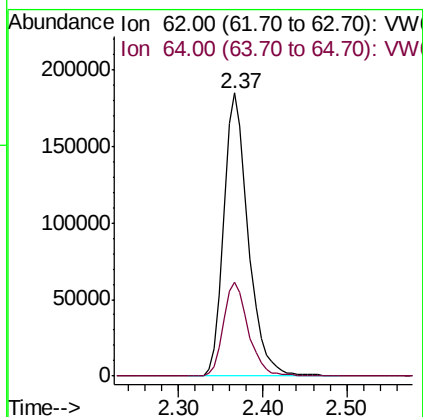
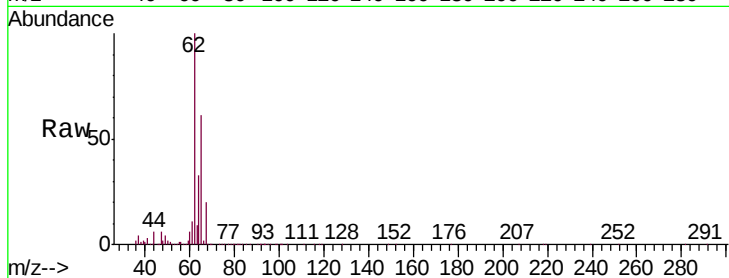
BFB30

Tgt Ion: 62 Resp: 369053

Ion Ratio Lower Upper

62 100

64 33.1 22.5 41.9



#6

Bromomethane

Concen: 26.525 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW014908.D

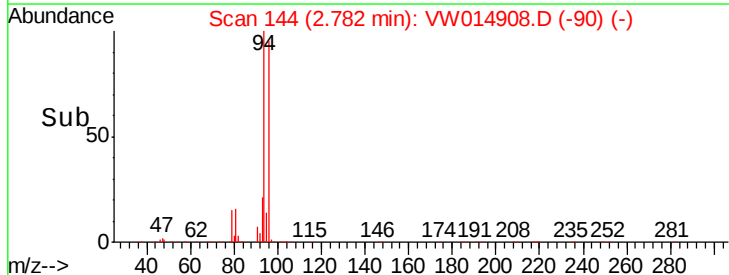
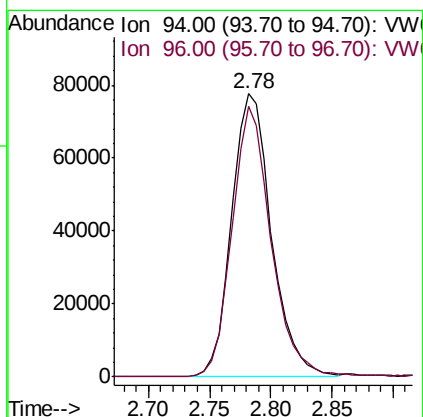
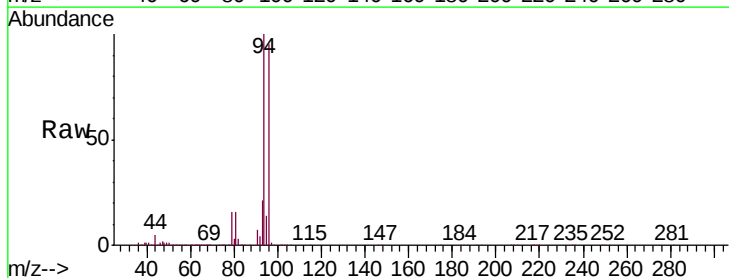
Acq: 07 Feb 2020 09:25

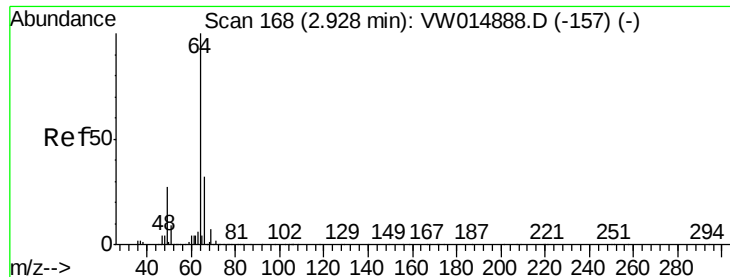
Tgt Ion: 94 Resp: 174527

Ion Ratio Lower Upper

94 100

96 94.3 9.4 178.0





#8

Chloroethane

Concen: 28.327 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW014908.D

Acq: 07 Feb 2020 09:25

Instrument :

MSVOA_W

ClientSampleId :

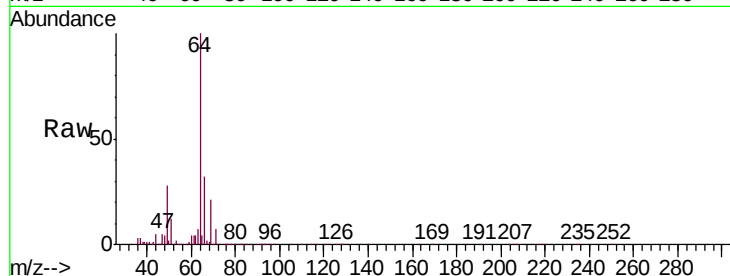
BFB30

Tgt Ion: 64 Resp: 203939

Ion Ratio Lower Upper

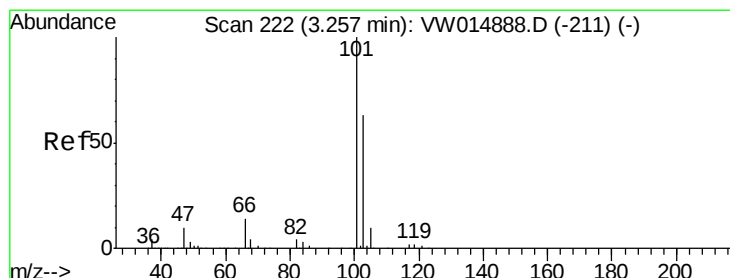
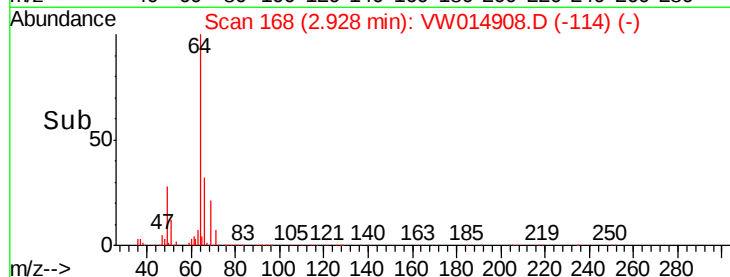
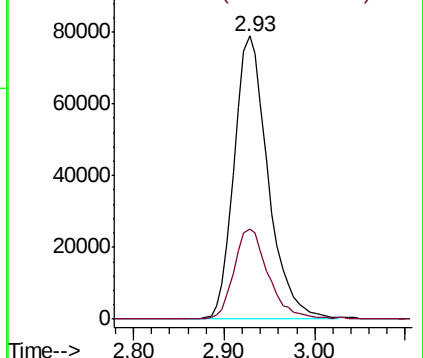
64 100

66 31.7 21.9 40.7



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 29.389 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW014908.D

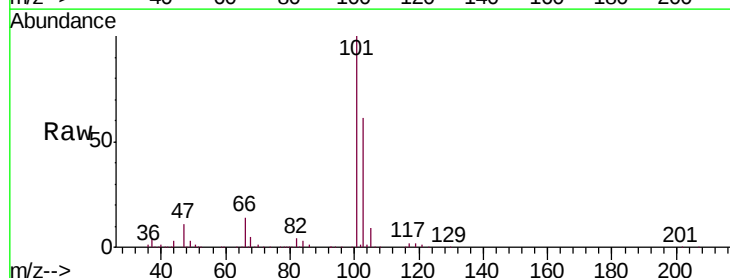
Acq: 07 Feb 2020 09:25

Tgt Ion: 101 Resp: 156320

Ion Ratio Lower Upper

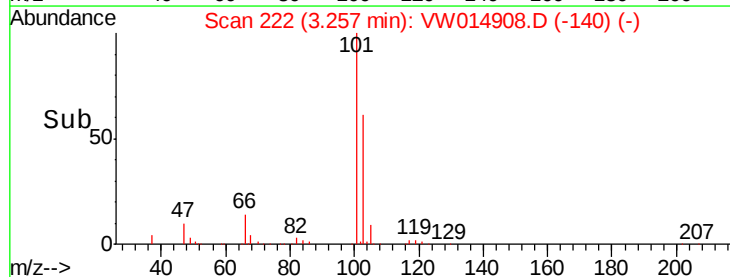
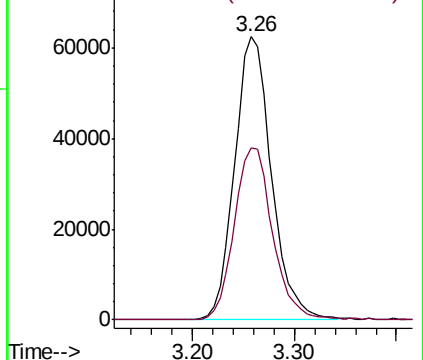
101 100

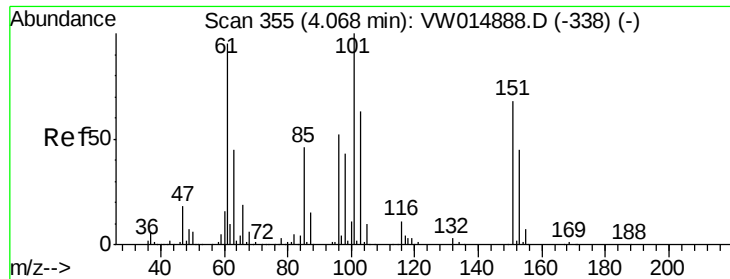
103 63.3 45.8 85.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 28.033 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

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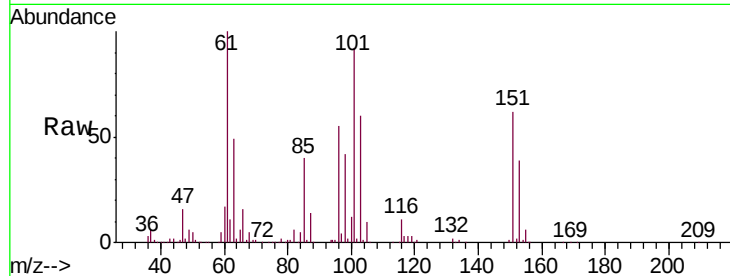
Tgt Ion:101 Resp: 263213

Ion Ratio Lower Upper

101 100

85 44.6 34.8 52.2

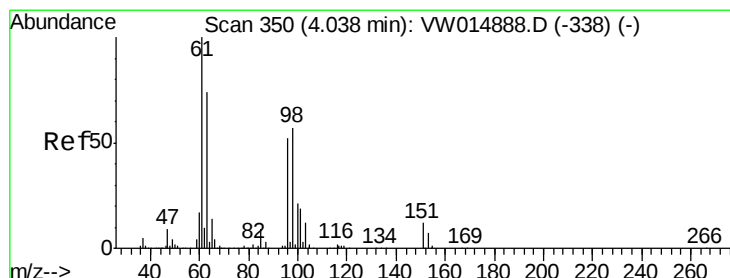
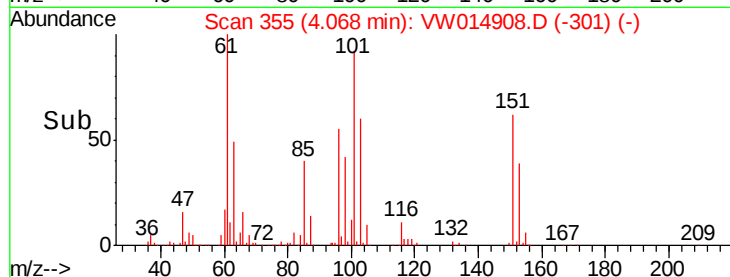
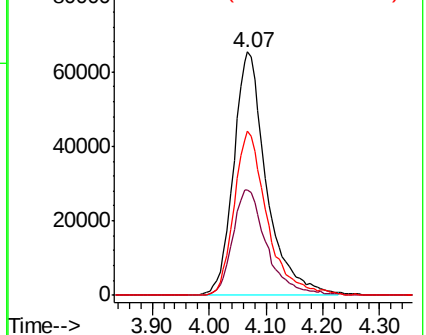
151 66.8 56.3 84.5



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: 26.200 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

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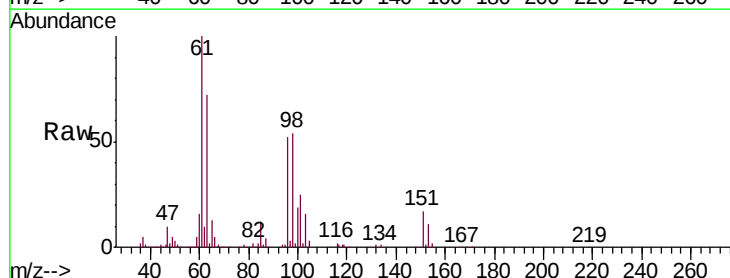
Tgt Ion: 96 Resp: 240420

Ion Ratio Lower Upper

96 100

61 193.1 134.7 250.1

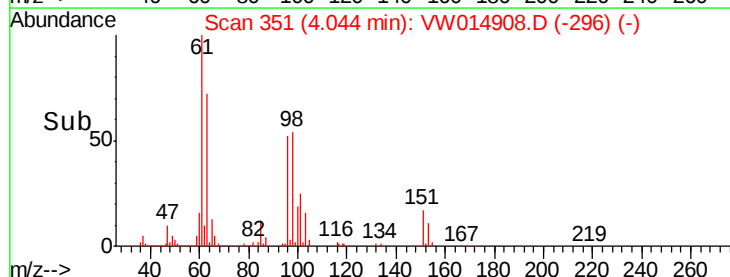
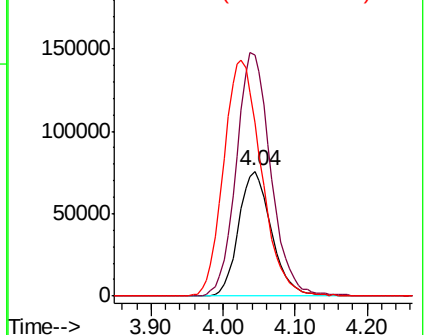
63 138.6 110.2 204.8

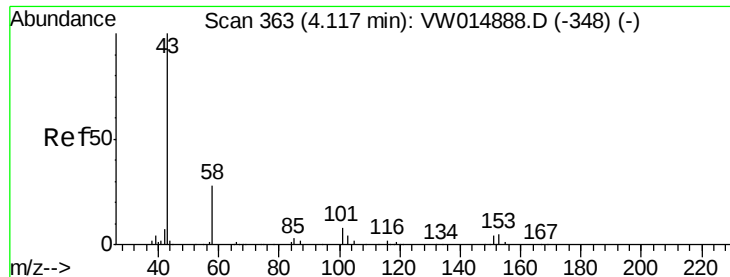


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 51.678 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

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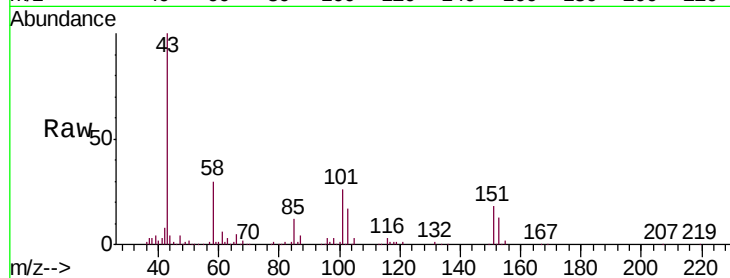
BFB30

Tgt Ion: 43 Resp: 160322

Ion Ratio Lower Upper

43 100

58 31.0 0.0 60.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

60000

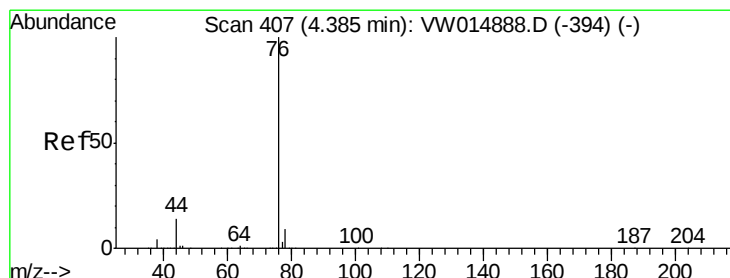
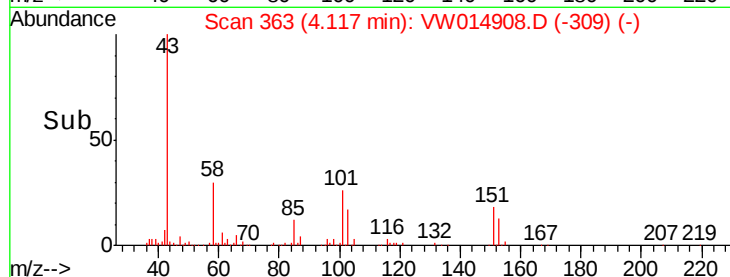
40000

20000

0

4.05 4.10 4.15 4.20

Time-->



#14

Carbon disulfide

Concen: 27.388 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW014908.D

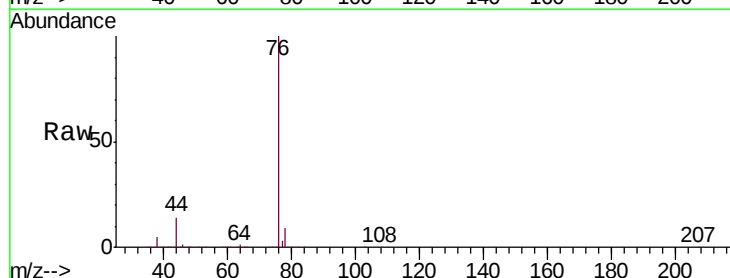
Acq: 07 Feb 2020 09:25

Tgt Ion: 76 Resp: 754610

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.39

250000

200000

150000

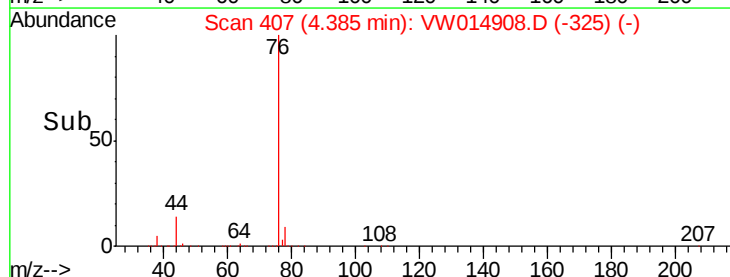
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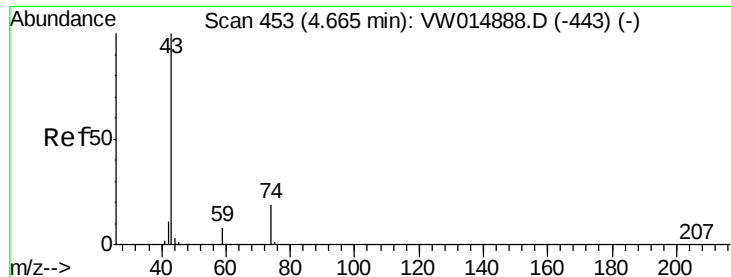
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4.30 4.40 4.50

Time-->

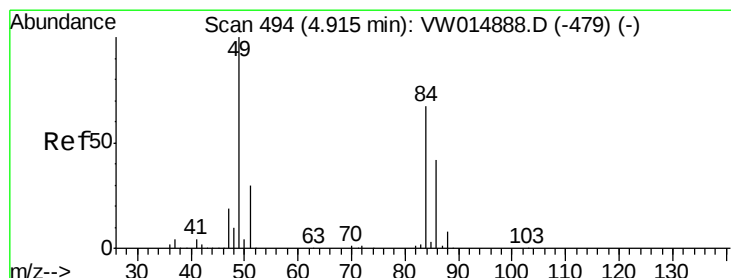
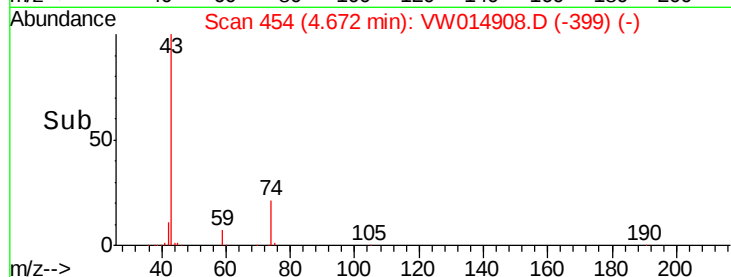
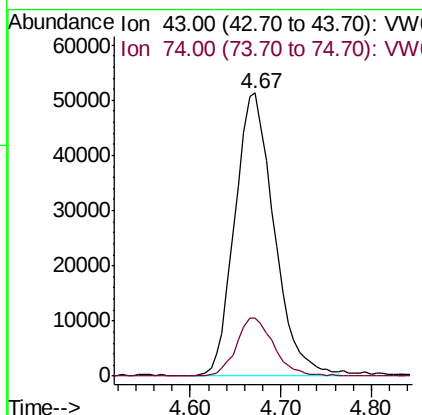
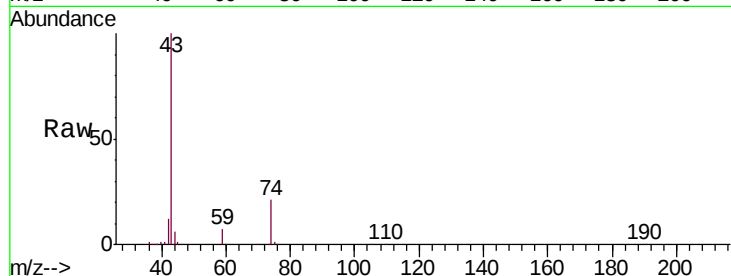




#15
Methyl Acetate
Concen: 30.117 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW014908.D
Acq: 07 Feb 2020 09:25

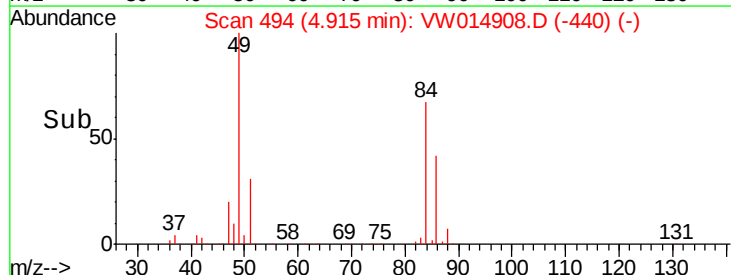
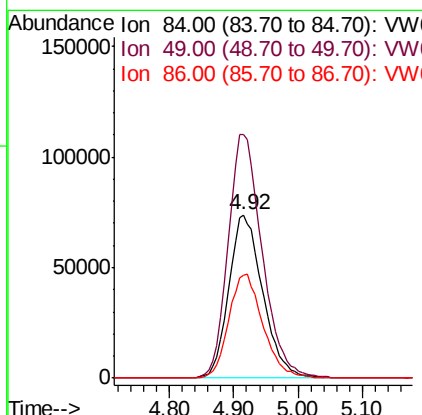
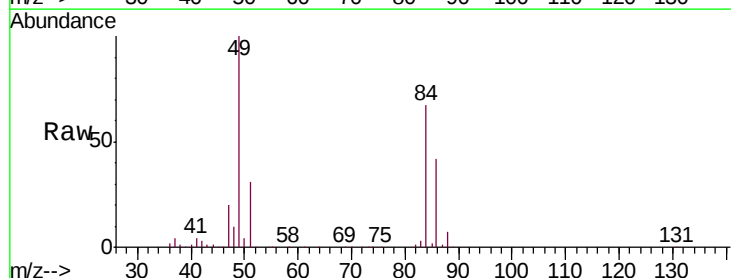
Instrument :
MSVOA_W
ClientSampleId :
BFB30

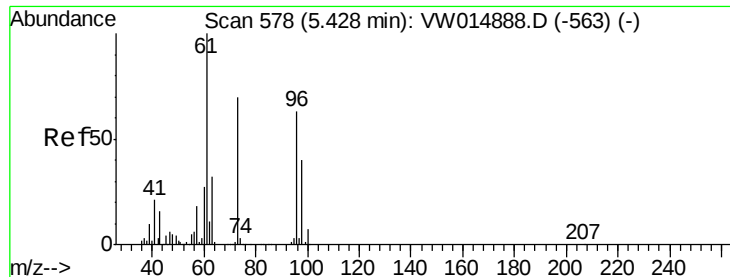
Tgt Ion: 43 Resp: 153752
Ion Ratio Lower Upper
43 100
74 19.8 16.5 24.7



#16
Methylene chloride
Concen: 23.029 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW014908.D
Acq: 07 Feb 2020 09:25

Tgt Ion: 84 Resp: 271407
Ion Ratio Lower Upper
84 100
49 149.2 95.8 177.8
86 62.8 44.2 82.2

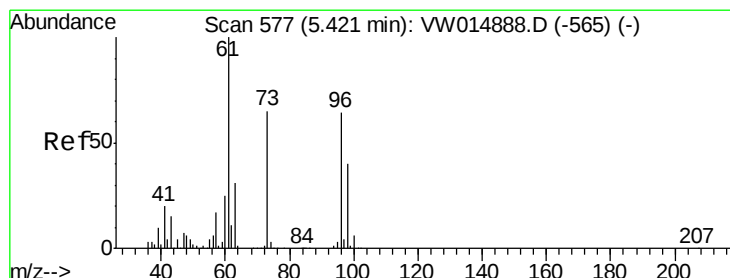
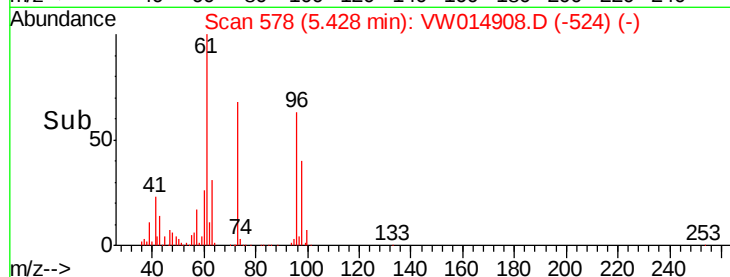
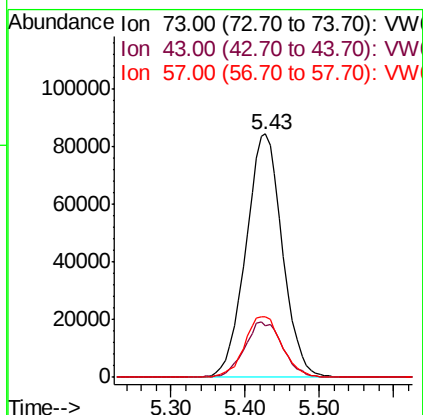
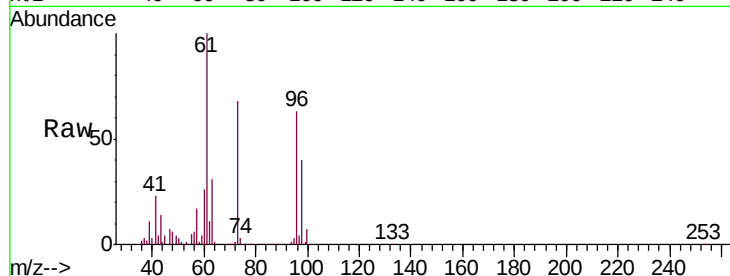




#17
Methyl tert-butyl Ether
Concen: 24.101 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW014908.D
Acq: 07 Feb 2020 09:25

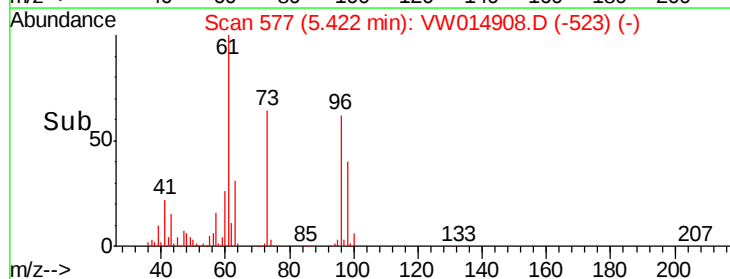
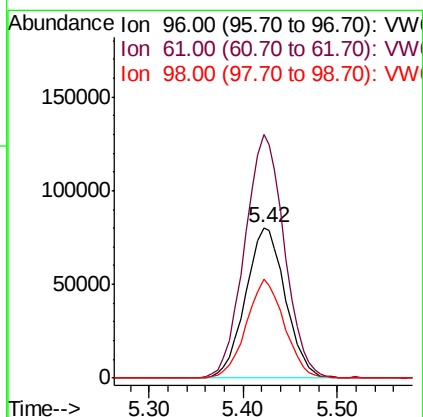
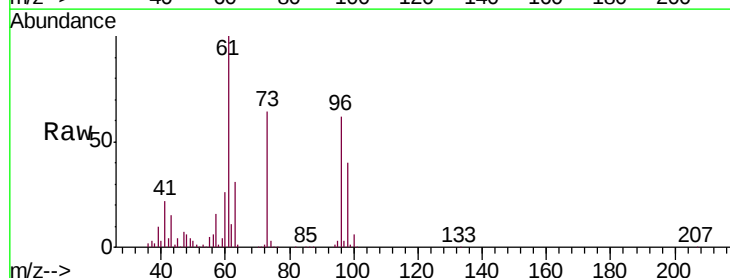
Instrument :
MSVOA_W
ClientSampleId :
BFB30

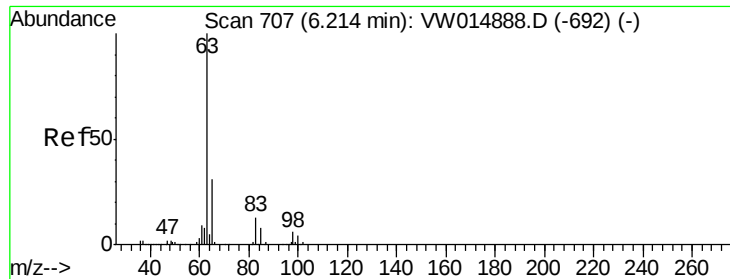
Tgt Ion: 73 Resp: 288937
Ion Ratio Lower Upper
73 100
43 23.7 17.5 26.3
57 25.5 19.4 29.0



#18
trans-1,2-Dichloroethene
Concen: 25.523 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW014908.D
Acq: 07 Feb 2020 09:25

Tgt Ion: 96 Resp: 237304
Ion Ratio Lower Upper
96 100
61 161.5 104.4 194.0
98 65.3 43.8 81.3

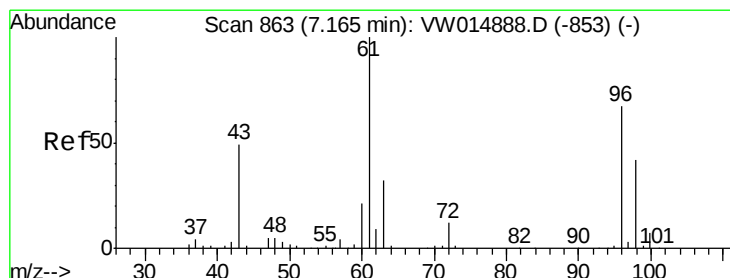
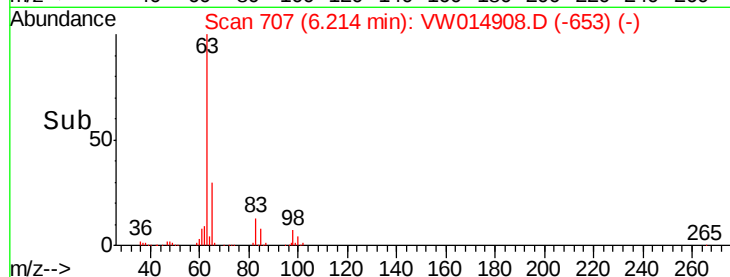
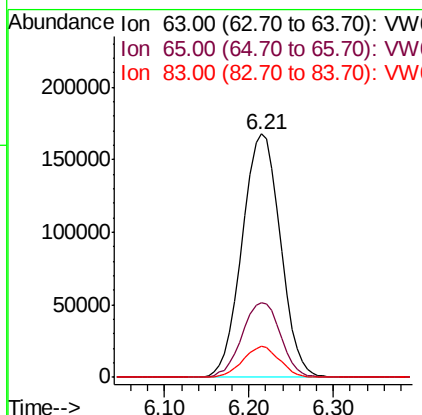
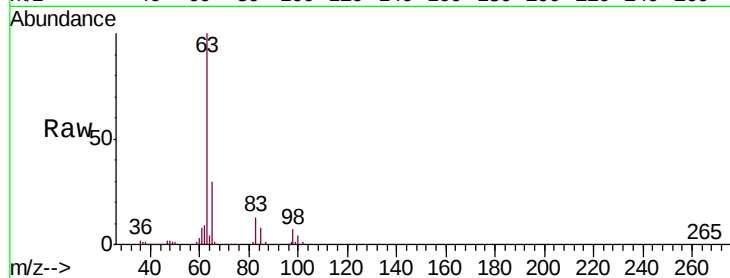




#19
 1,1-Dichloroethane
 Concen: 27.526 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW014908.D
 Acq: 07 Feb 2020 09:25

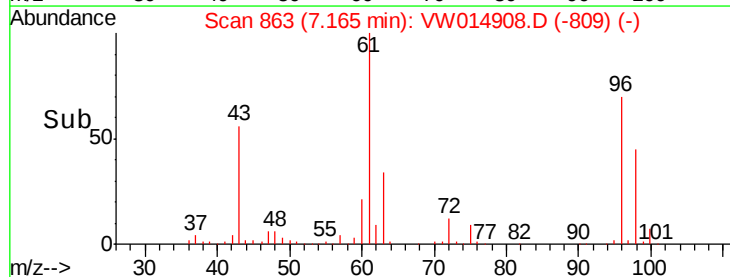
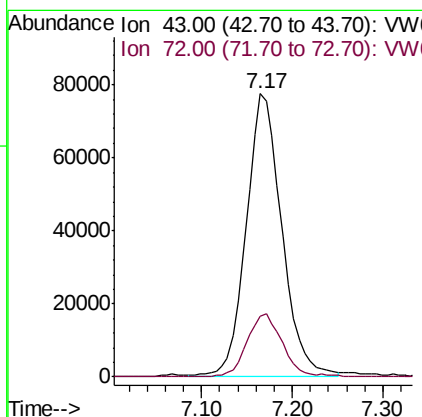
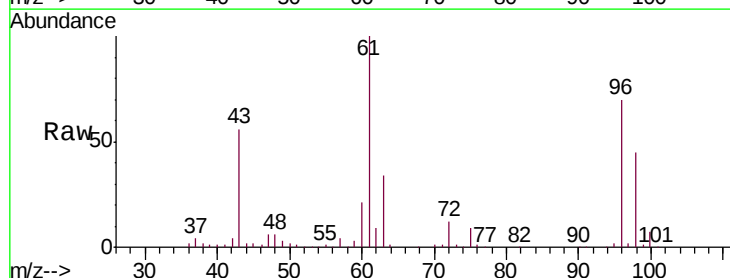
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB30

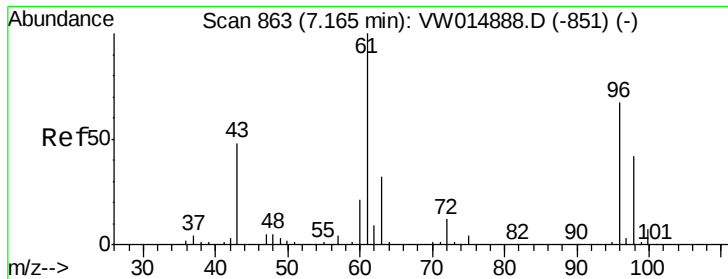
Tgt Ion: 63 Resp: 518497
 Ion Ratio Lower Upper
 63 100
 65 30.4 21.5 39.9
 83 12.6 8.8 16.3



#21
 2-Butanone
 Concen: 57.911 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW014908.D
 Acq: 07 Feb 2020 09:25

Tgt Ion: 43 Resp: 210346
 Ion Ratio Lower Upper
 43 100
 72 22.1 11.9 35.5

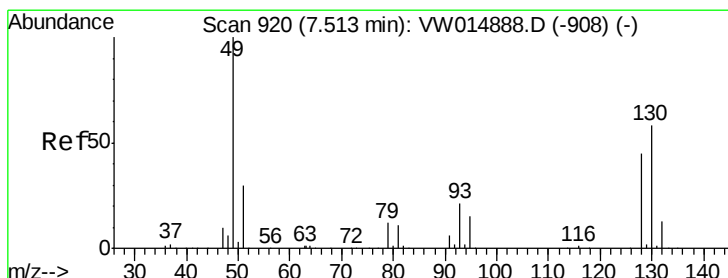
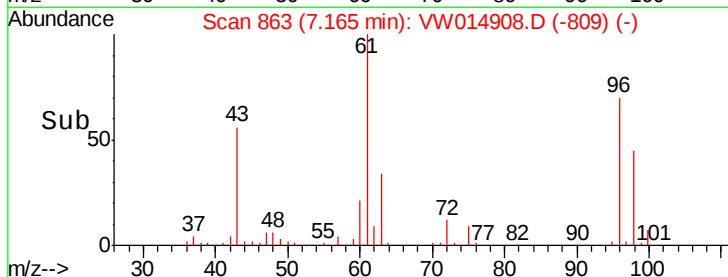
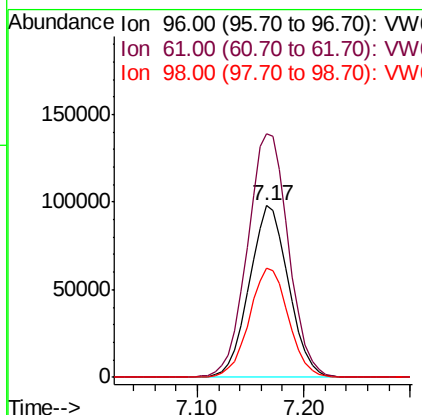
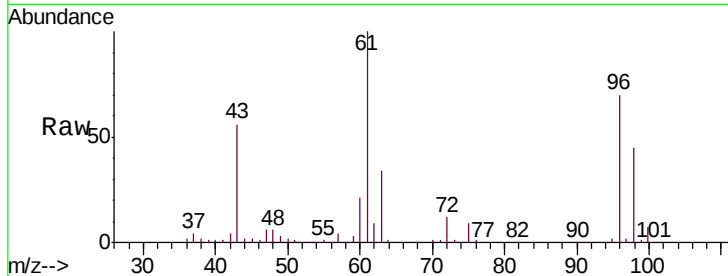




#22
 cis-1,2-Dichloroethene
 Concen: 25.136 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW014908.D
 Acq: 07 Feb 2020 09:25

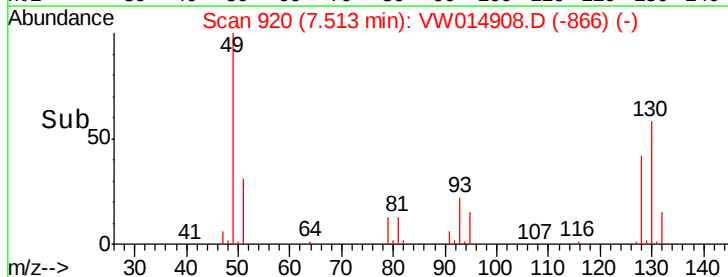
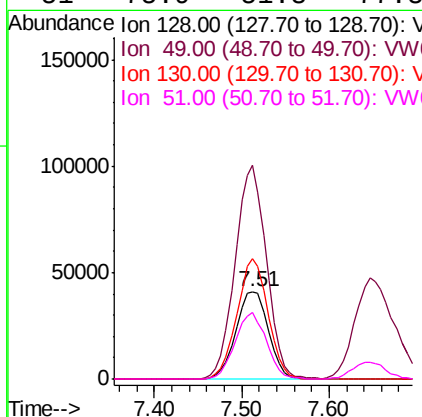
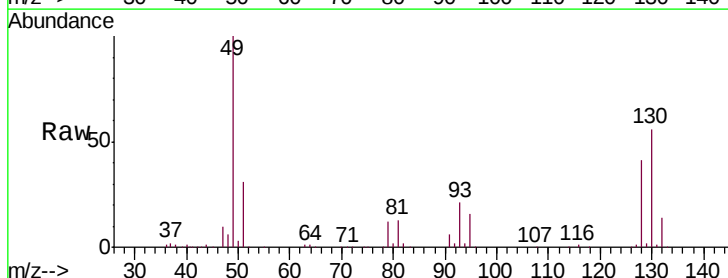
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB30

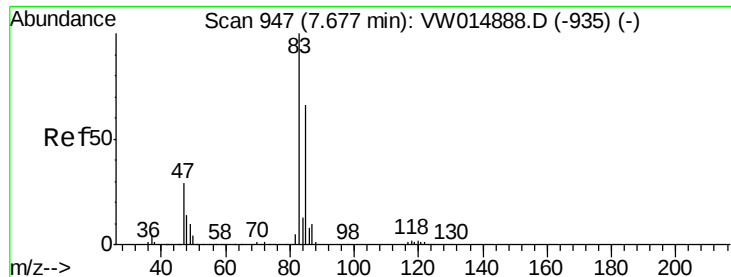
Tgt Ion: 96 Resp: 252781
 Ion Ratio Lower Upper
 96 100
 61 141.9 98.6 183.0
 98 63.5 44.2 82.2



#23
 Bromochloromethane
 Concen: 25.877 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW014908.D
 Acq: 07 Feb 2020 09:25

Tgt Ion: 128 Resp: 106770
 Ion Ratio Lower Upper
 128 100
 49 245.4 146.0 271.2
 130 137.7 90.9 168.9
 51 75.9 51.8 77.8

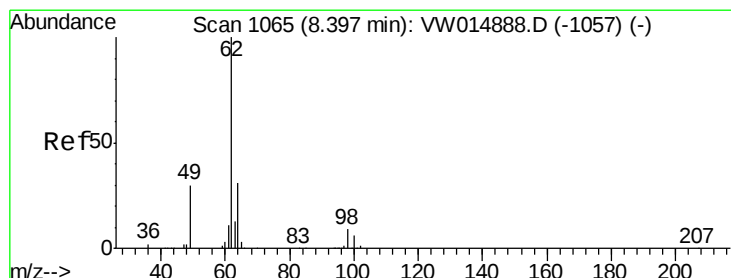
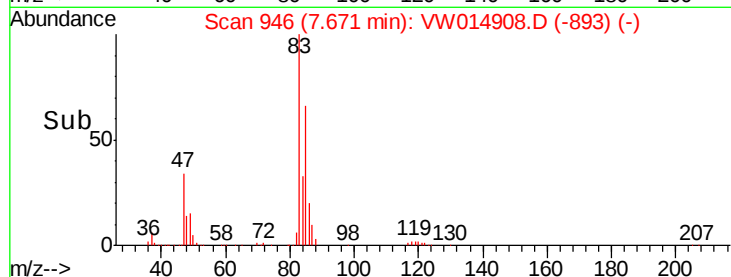
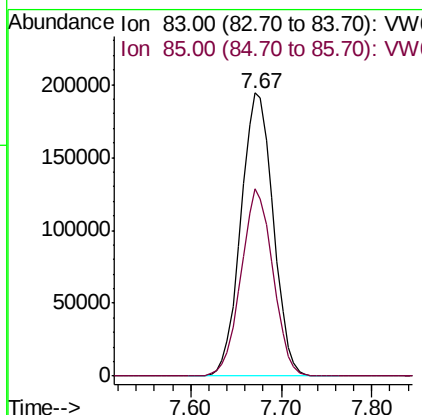
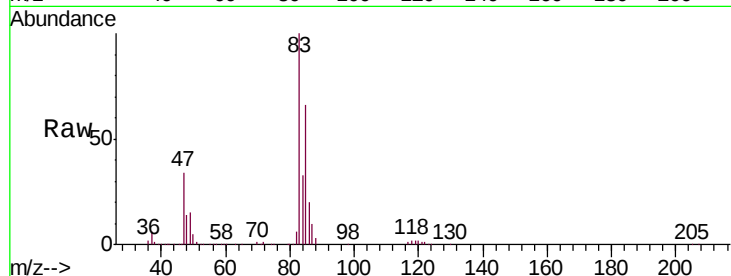




#25
Chloroform
Concen: 27.692 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW014908.D
Acq: 07 Feb 2020 09:25

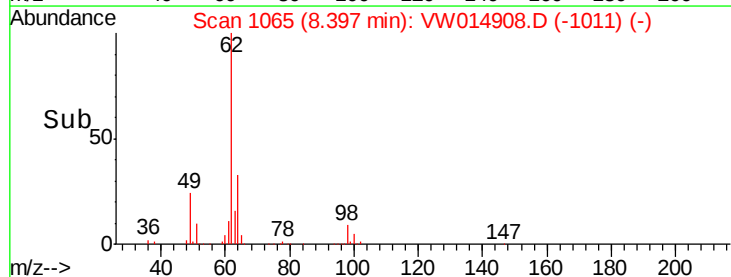
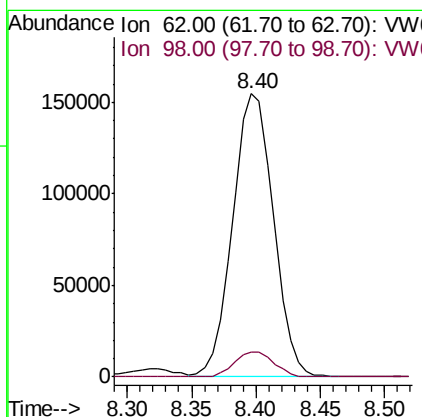
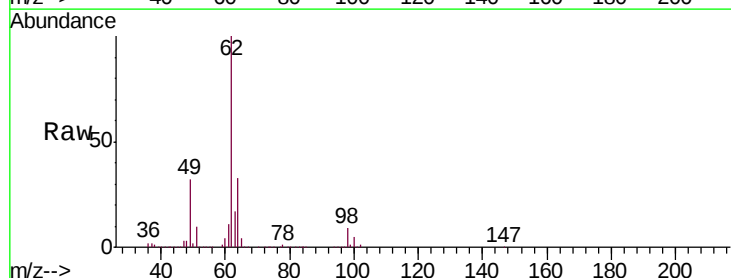
Instrument :
MSVOA_W
ClientSampleId :
BFB30

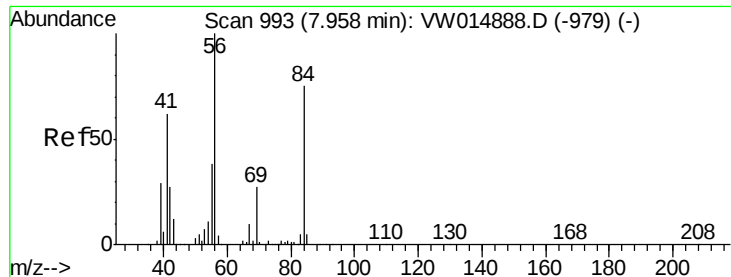
Tgt Ion: 83 Resp: 479156
Ion Ratio Lower Upper
83 100
85 65.3 45.4 84.4



#27
1,2-Dichloroethane
Concen: 28.550 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW014908.D
Acq: 07 Feb 2020 09:25

Tgt Ion: 62 Resp: 340580
Ion Ratio Lower Upper
62 100
98 9.0 7.2 10.8

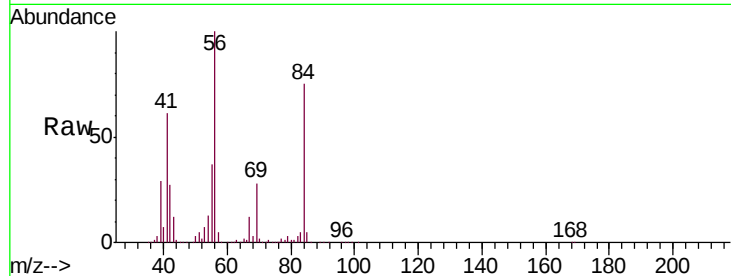




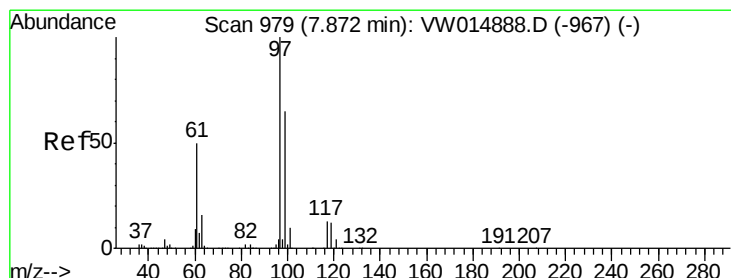
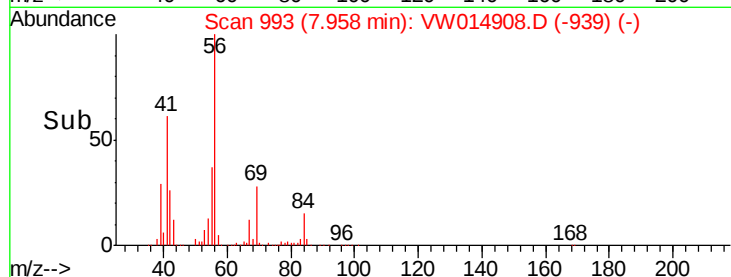
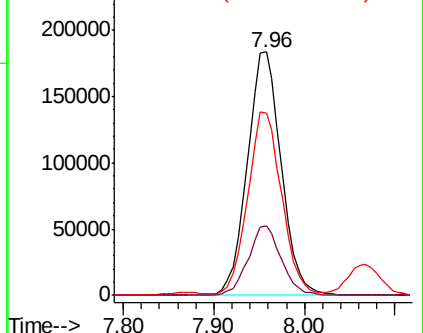
#30
Cyclohexane
Concen: 26.302 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW014908.D
Acq: 07 Feb 2020 09:25

Instrument :
MSVOA_W
ClientSampleId :
BFB30

Tgt Ion: 56 Resp: 474673
Ion Ratio Lower Upper
56 100
69 27.8 22.9 34.3
84 75.7 63.8 95.6

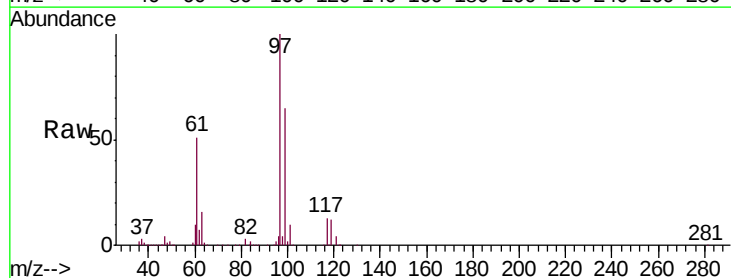


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

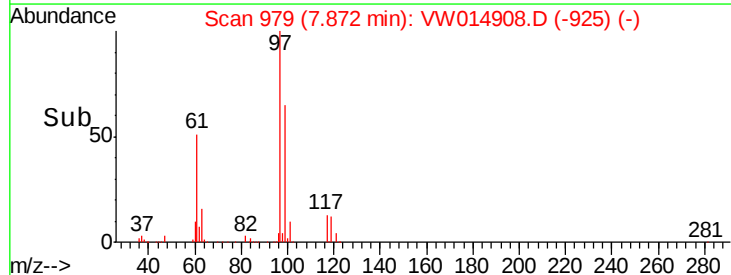
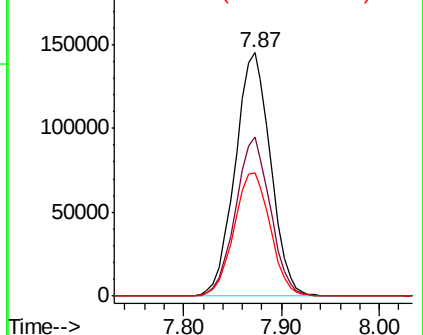


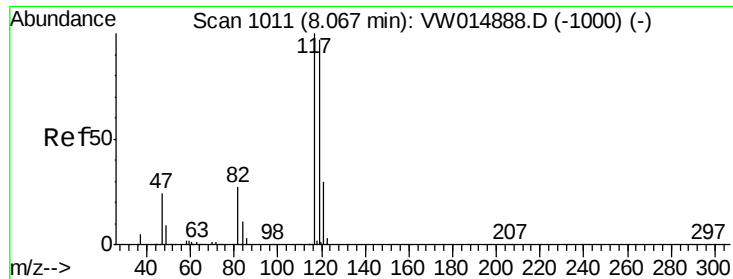
#31
1,1,1-Trichloroethane
Concen: 26.371 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW014908.D
Acq: 07 Feb 2020 09:25

Tgt Ion: 97 Resp: 364199
Ion Ratio Lower Upper
97 100
99 64.2 51.0 76.6
61 51.9 38.9 58.3



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: 27.118 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW014908.D

Acq: 07 Feb 2020 09:25

Instrument :

MSVOA_W

ClientSampleId :

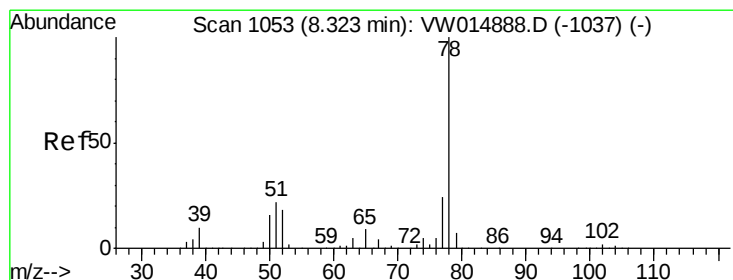
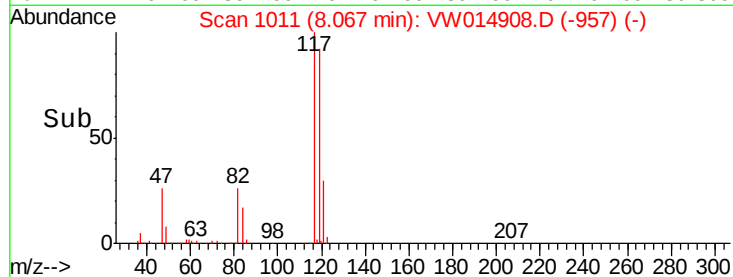
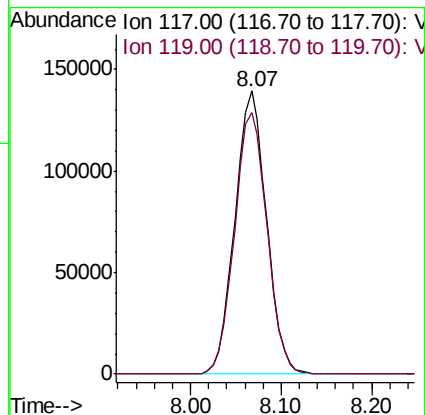
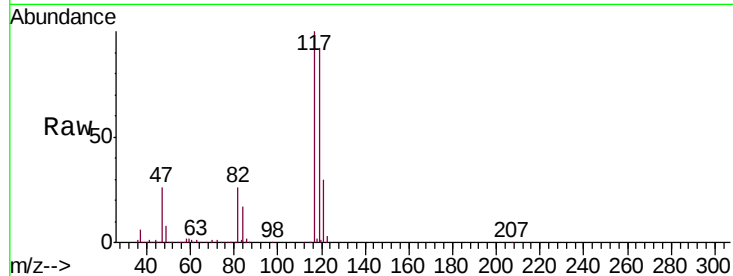
BFB30

Tgt Ion:117 Resp: 336648

Ion Ratio Lower Upper

117 100

119 95.0 76.3 114.5



#34

Benzene

Concen: 26.504 ug/L

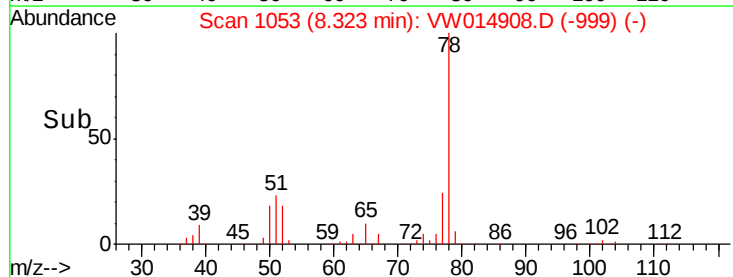
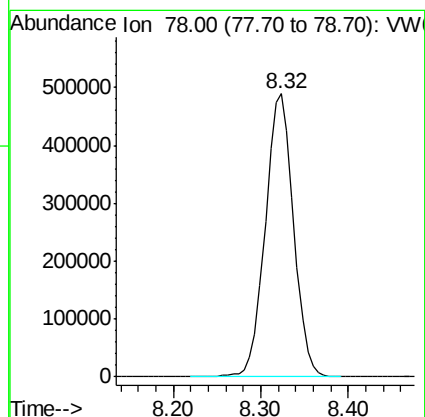
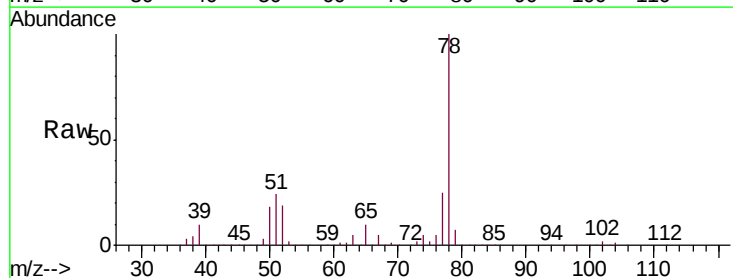
RT: 8.32 min Scan# 1053

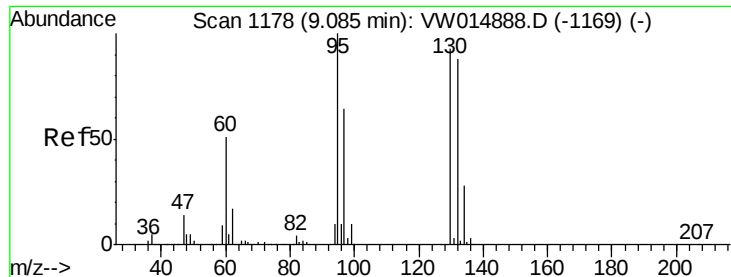
Delta R.T. 0.00 min

Lab File: VW014908.D

Acq: 07 Feb 2020 09:25

Tgt Ion: 78 Resp: 1103855





#35

Trichloroethene

Concen: 24.976 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW014908.D

Acq: 07 Feb 2020 09:25

Instrument :

MSVOA_W

ClientSampleId :

BFB30

Tgt Ion: 95 Resp: 257853

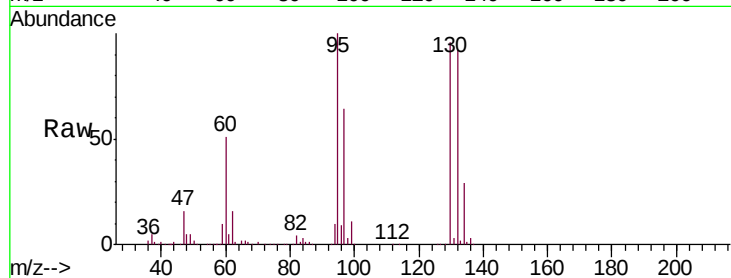
Ion Ratio Lower Upper

95 100

97 64.4 44.4 82.5

132 90.6 63.6 118.0

130 94.5 67.3 124.9

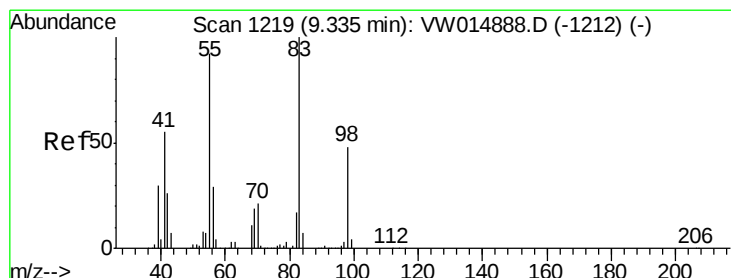
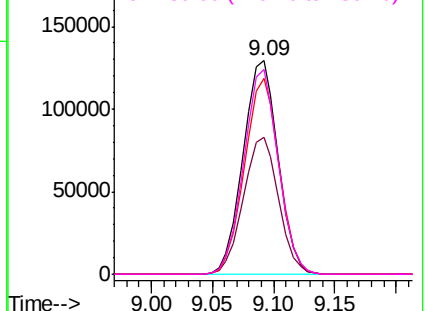
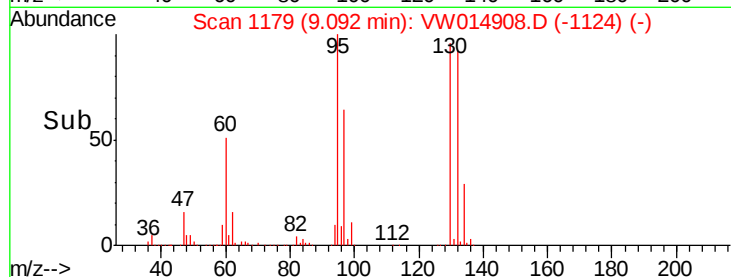


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 25.833 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW014908.D

Acq: 07 Feb 2020 09:25

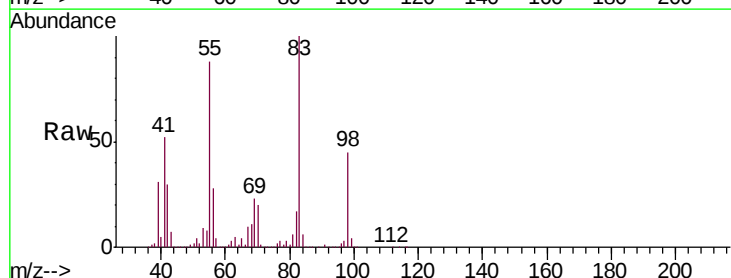
Tgt Ion: 83 Resp: 464581

Ion Ratio Lower Upper

83 100

55 90.1 68.0 102.0

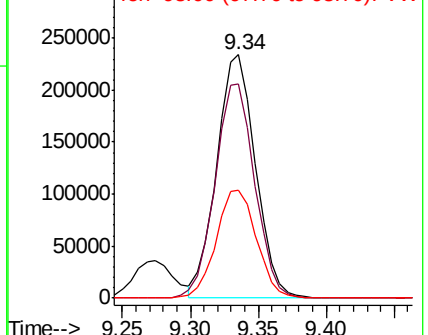
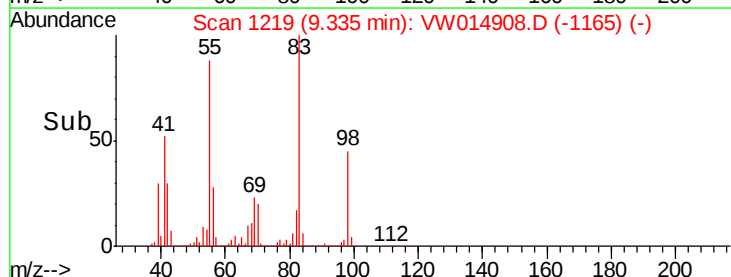
98 46.2 37.8 56.6

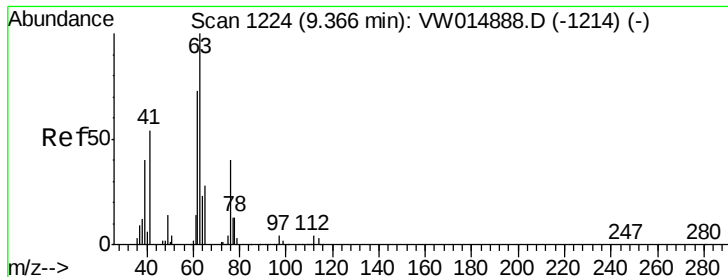


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 27.039 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW014908.D

Acq: 07 Feb 2020 09:25

Instrument :

MSVOA_W

ClientSampleId :

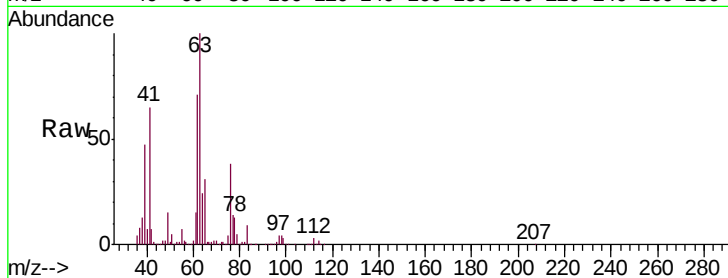
BFB30

Tgt Ion: 63 Resp: 301371

Ion Ratio Lower Upper

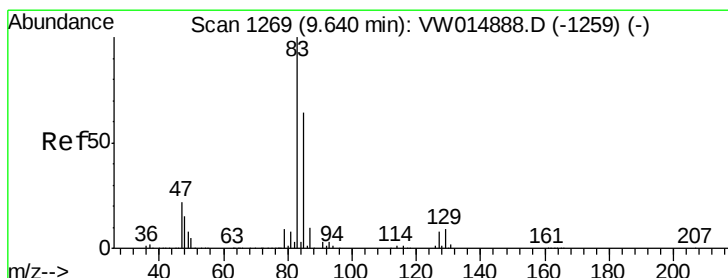
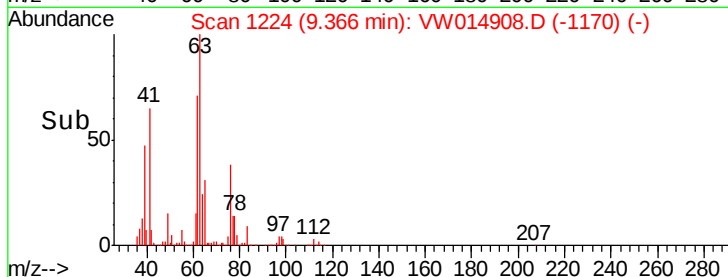
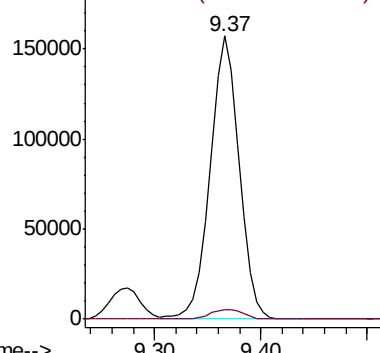
63 100

112 3.9 3.1 4.7



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 26.918 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW014908.D

Acq: 07 Feb 2020 09:25

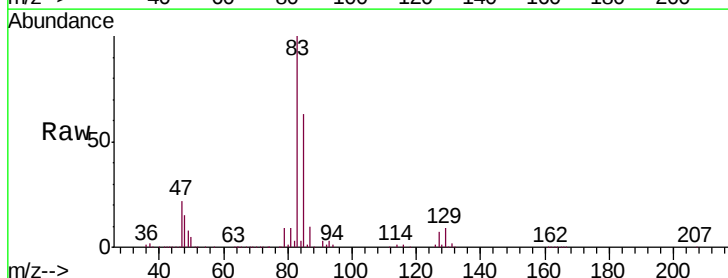
Tgt Ion: 83 Resp: 343845

Ion Ratio Lower Upper

83 100

85 63.2 44.2 82.0

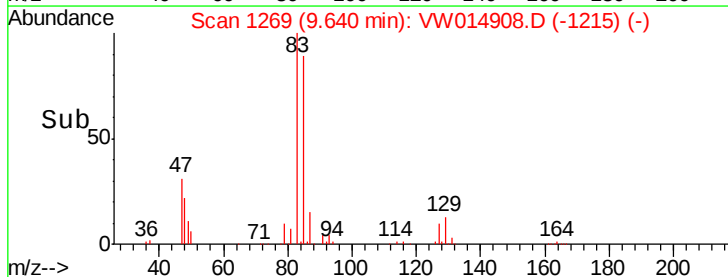
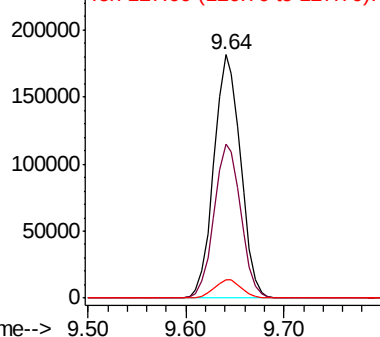
127 7.3 6.0 9.0

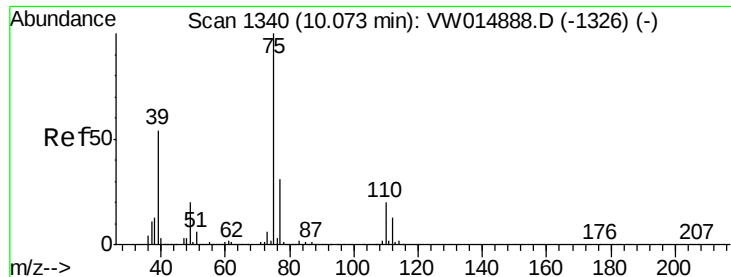


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

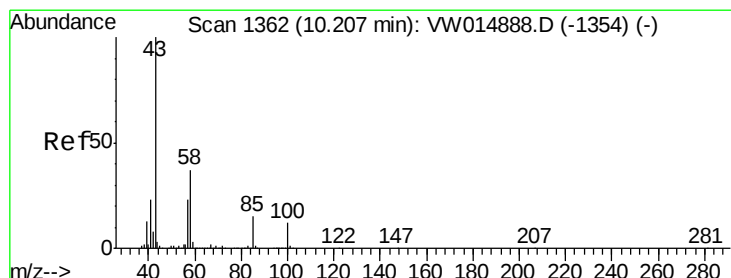
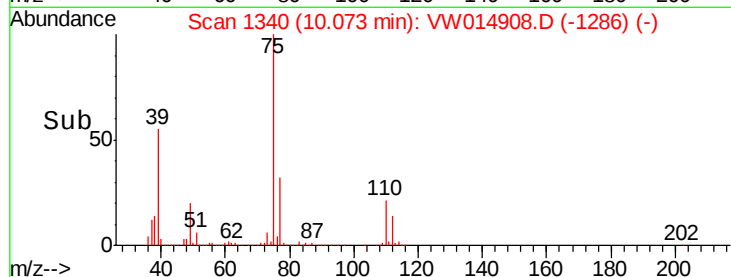
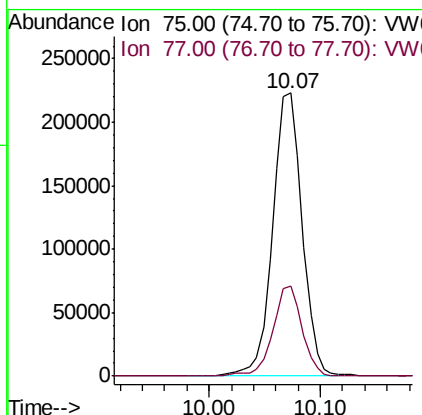
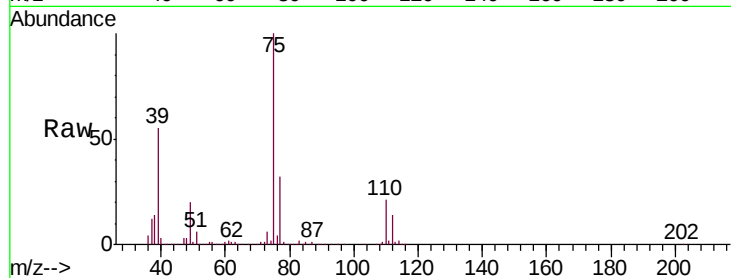




#42
 cis-1,3-Dichloropropene
 Concen: 25.901 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW014908.D
 Acq: 07 Feb 2020 09:25

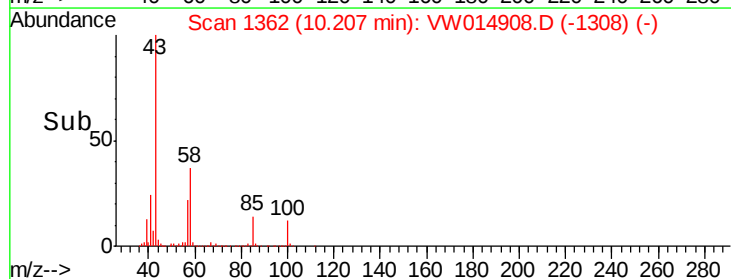
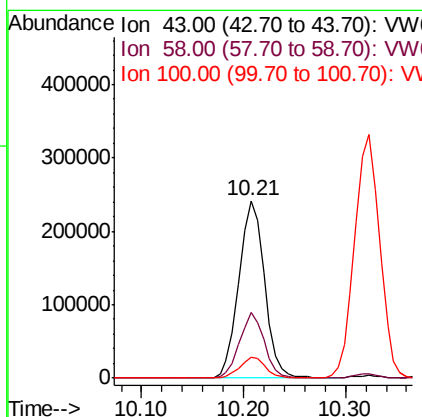
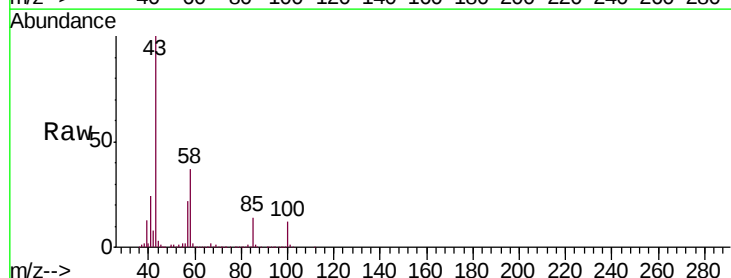
Instrument :
 MSVOA_W
 ClientSampled :
 BFB30

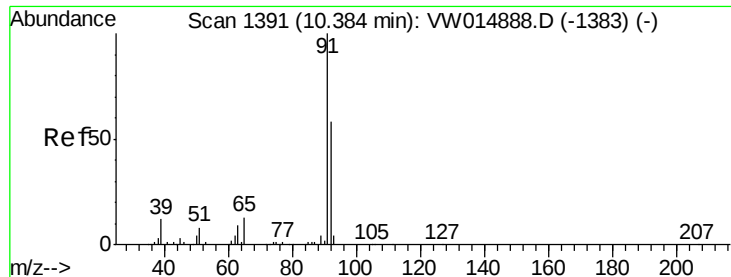
Tgt Ion: 75 Resp: 409931
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.5 41.9



#43
 4-Methyl-2-pentanone
 Concen: 57.747 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW014908.D
 Acq: 07 Feb 2020 09:25

Tgt Ion: 43 Resp: 422043
 Ion Ratio Lower Upper
 43 100
 58 35.4 30.0 45.0
 100 11.7 10.6 15.8





#44

Toluene

Concen: 26.503 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014908.D

Acq: 07 Feb 2020 09:25

Instrument :

MSVOA_W

ClientSampleId :

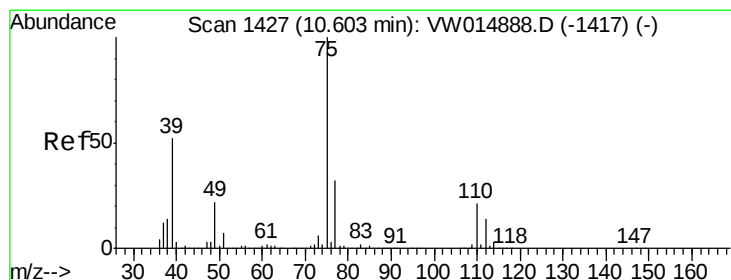
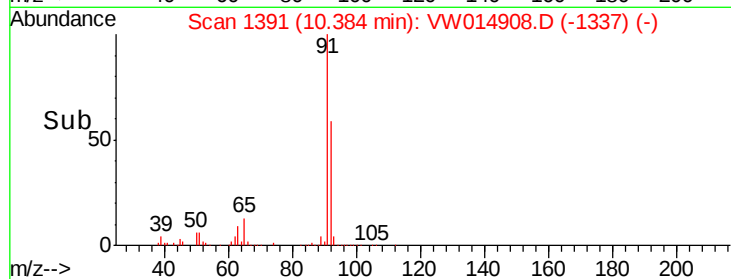
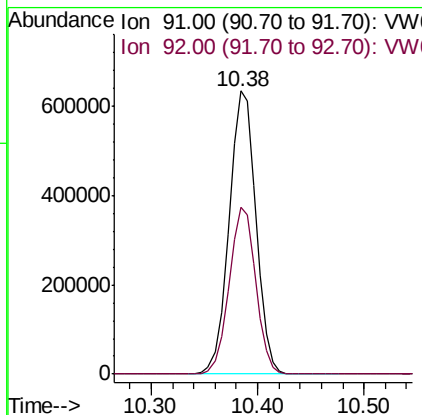
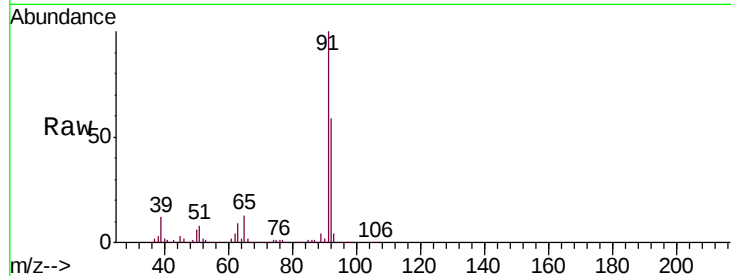
BFB30

Tgt Ion: 91 Resp: 1120608

Ion Ratio Lower Upper

91 100

92 59.2 41.4 77.0



#45

trans-1,3-Dichloropropene

Concen: 26.834 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014908.D

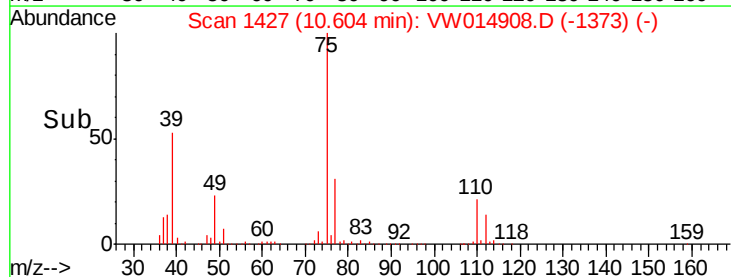
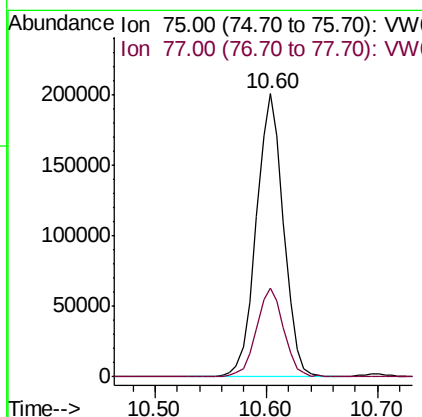
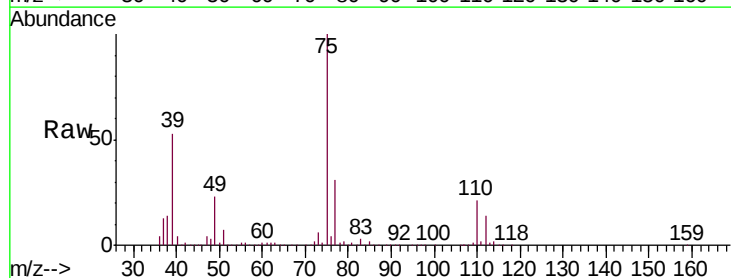
Acq: 07 Feb 2020 09:25

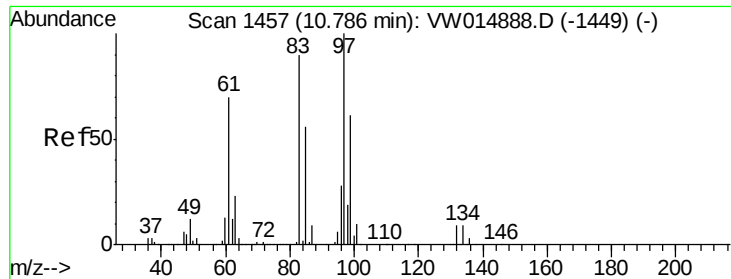
Tgt Ion: 75 Resp: 342003

Ion Ratio Lower Upper

75 100

77 31.2 21.8 40.6

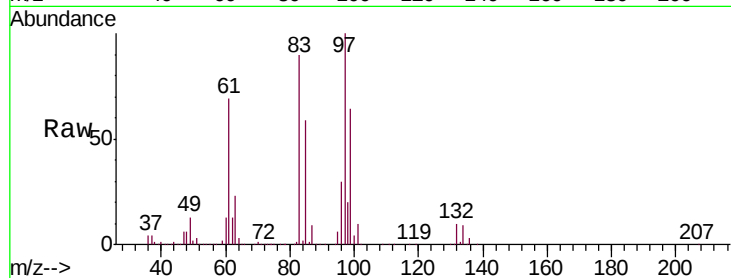




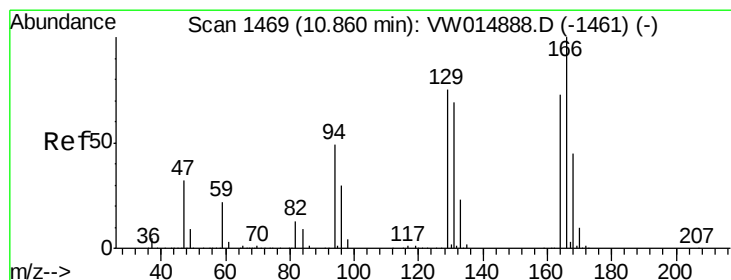
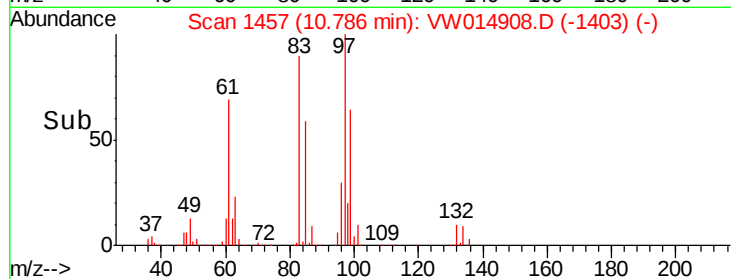
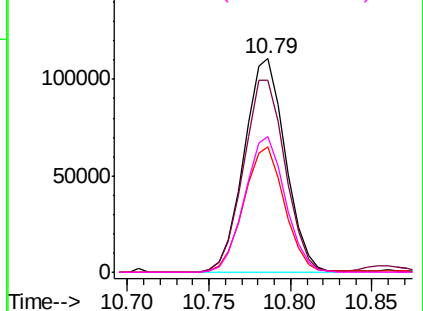
#46
 1,1,2-Trichloroethane
 Concen: 26.618 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW014908.D
 Acq: 07 Feb 2020 09:25

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB30

Tgt Ion:	97	Resp:	195300
Ion	Ratio	Lower	Upper
97	100		
83	89.7	60.8	112.8
85	59.0	39.9	74.1
99	63.6	42.8	79.6

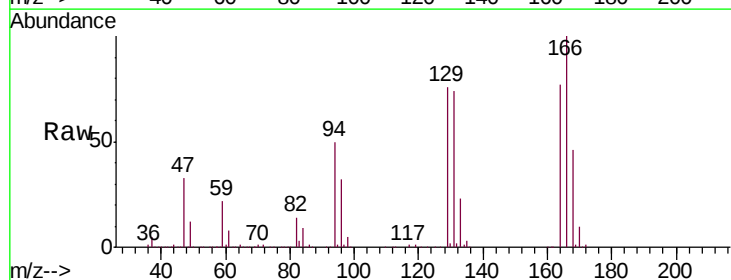


Abundance Ion 97.00 (96.70 to 97.70): VW
 Ion 83.00 (82.70 to 83.70): VW
 Ion 85.00 (84.70 to 85.70): VW
 Ion 99.00 (98.70 to 99.70): VW

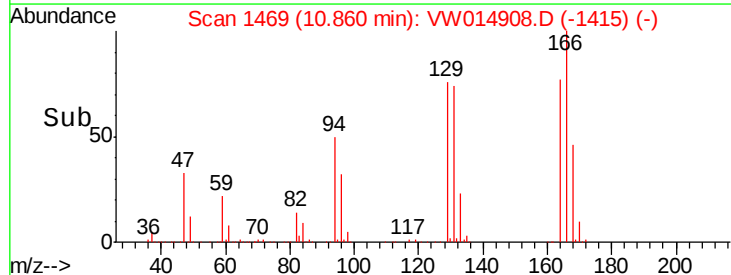
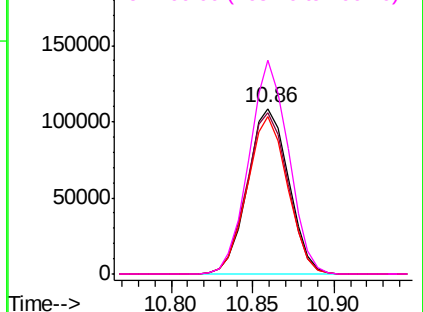


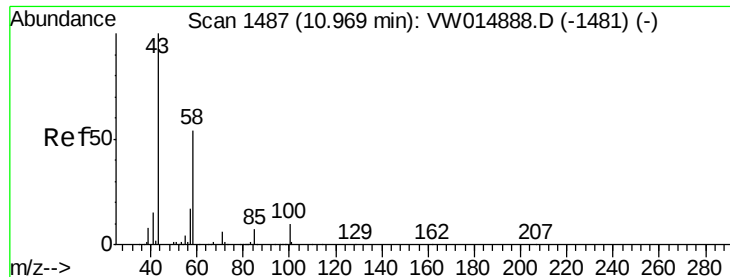
#47
 Tetrachloroethene
 Concen: 25.112 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VW014908.D
 Acq: 07 Feb 2020 09:25

Tgt Ion:	164	Resp:	190492
Ion	Ratio	Lower	Upper
164	100		
129	97.8	67.5	125.4
131	95.4	64.0	119.0
166	129.1	87.0	161.6



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 60.286 ug/L

RT: 10.96 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VW014908.D

Acq: 07 Feb 2020 09:25

Instrument :

MSVOA_W

ClientSampleId :

BFB30

Tgt Ion: 43 Resp: 309484

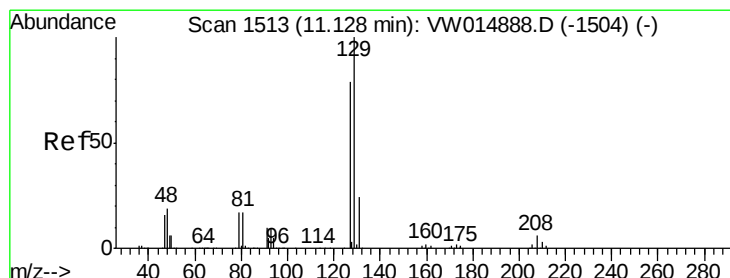
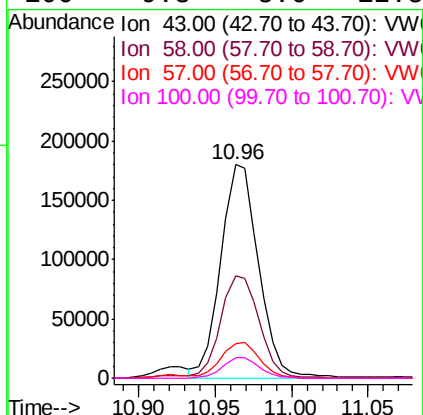
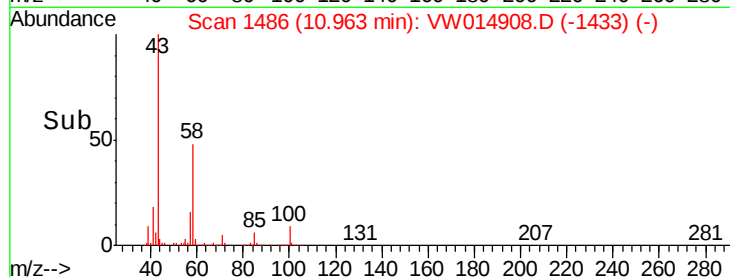
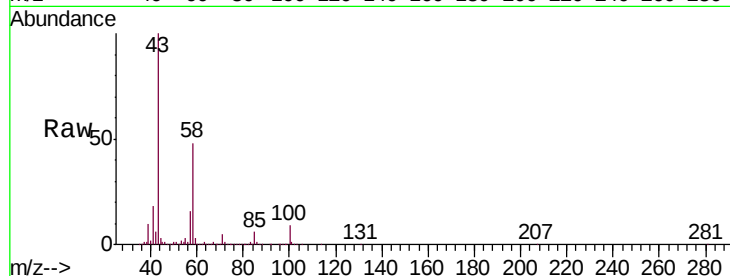
Ion Ratio Lower Upper

43 100

58 49.6 42.2 63.2

57 17.2 14.5 21.7

100 9.3 8.6 12.8



#50

Dibromochloromethane

Concen: 26.411 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW014908.D

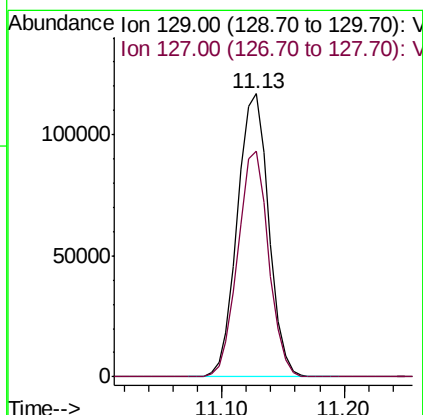
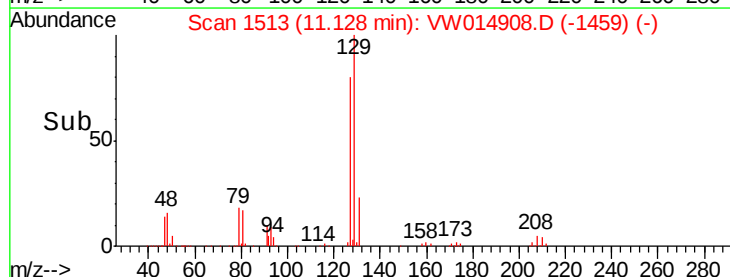
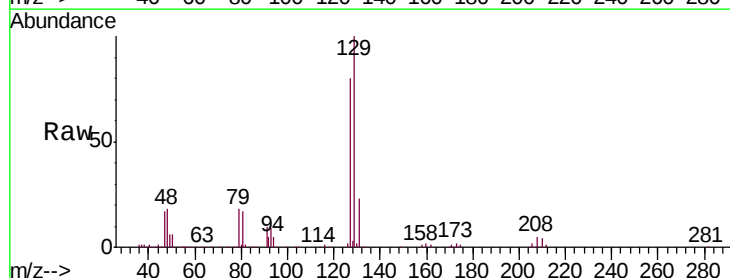
Acq: 07 Feb 2020 09:25

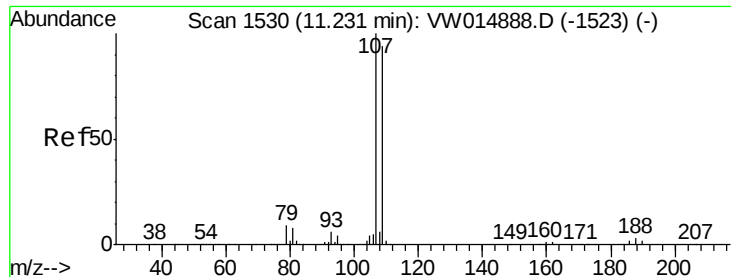
Tgt Ion: 129 Resp: 208266

Ion Ratio Lower Upper

129 100

127 79.8 54.1 100.5

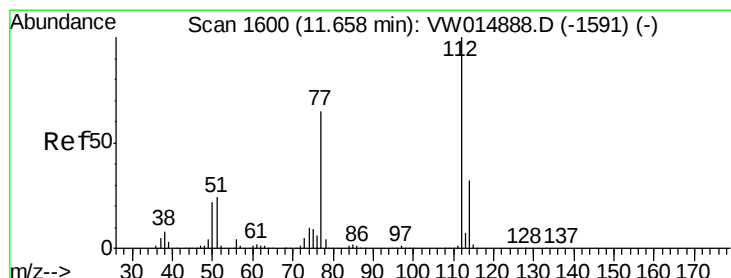
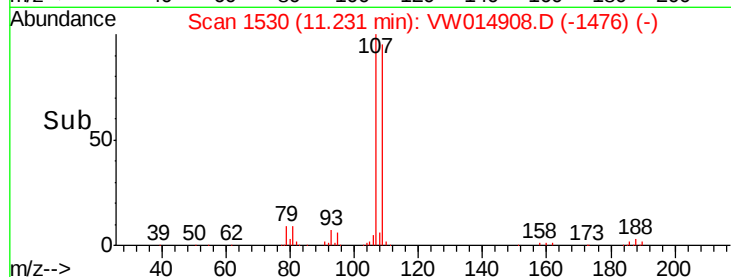
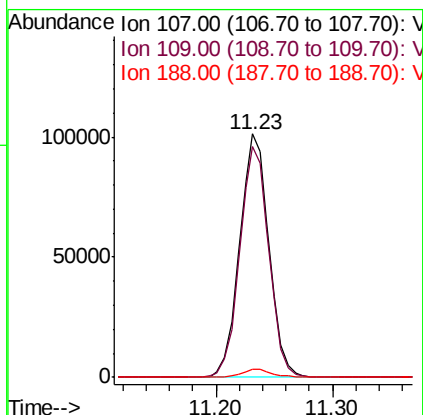
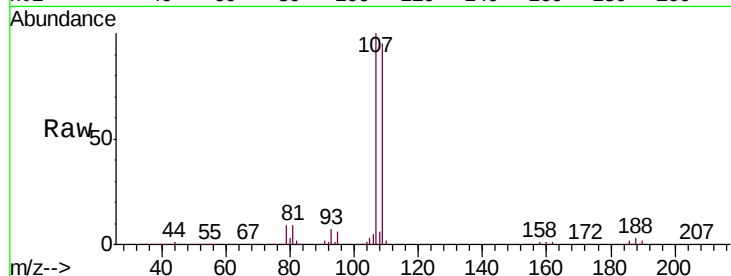




#51
 1,2-Dibromoethane
 Concen: 25.791 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW014908.D
 Acq: 07 Feb 2020 09:25

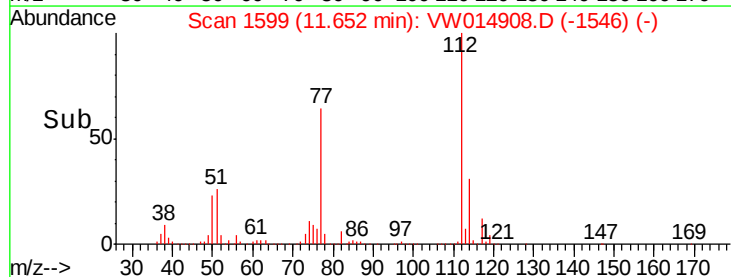
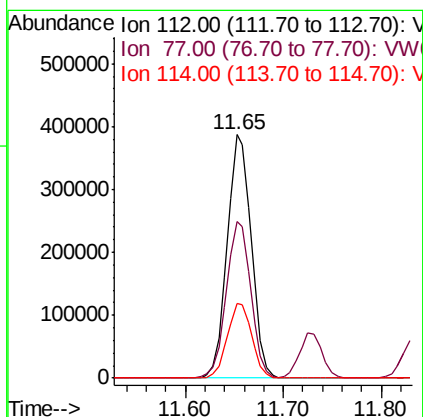
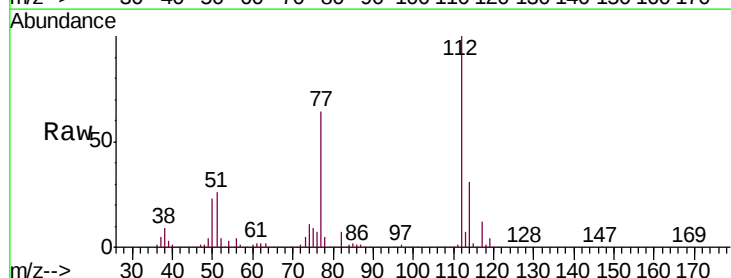
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB30

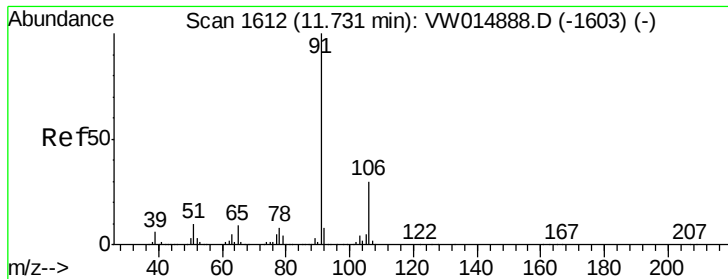
Tgt Ion:107 Resp: 176073
 Ion Ratio Lower Upper
 107 100
 109 94.7 65.0 120.6
 188 3.4 2.4 3.6



#52
 Chlorobenzene
 Concen: 25.433 ug/L
 RT: 11.65 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: VW014908.D
 Acq: 07 Feb 2020 09:25

Tgt Ion:112 Resp: 657476
 Ion Ratio Lower Upper
 112 100
 77 64.4 49.9 74.9
 114 30.7 22.7 42.1

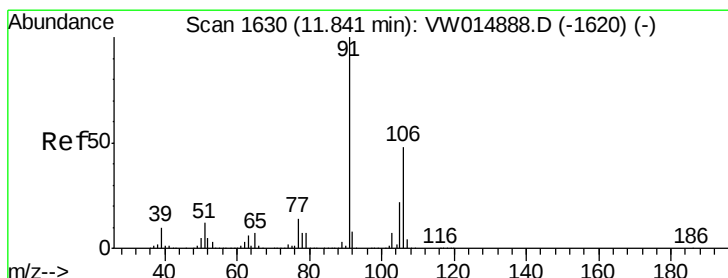
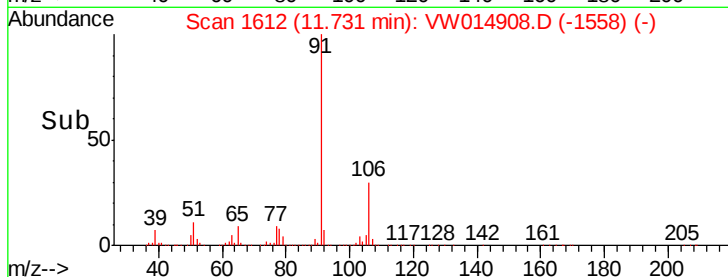
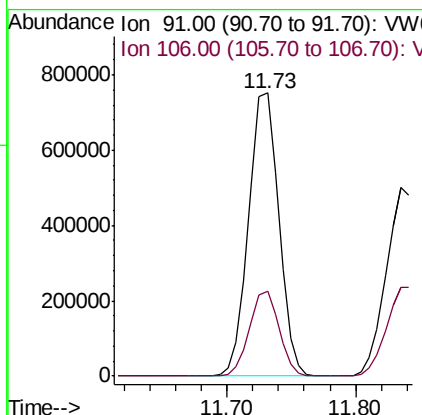
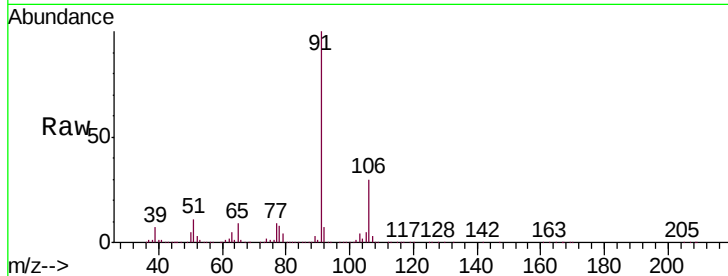




#53
Ethylbenzene
Concen: 26.389 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW014908.D
Acq: 07 Feb 2020 09:25

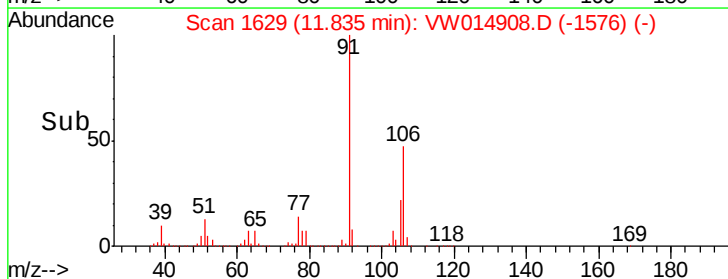
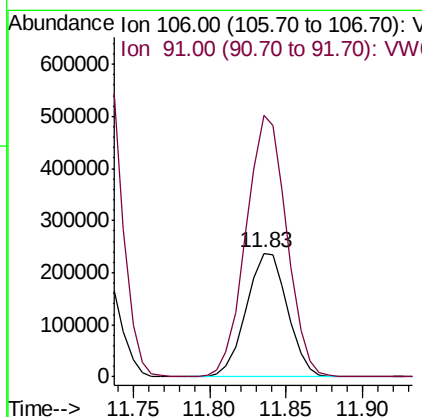
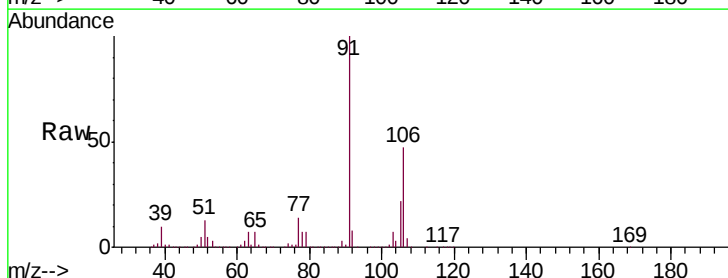
Instrument :
MSVOA_W
ClientSampleId :
BFB30

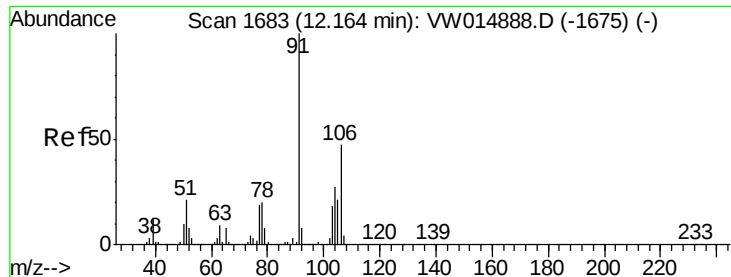
Tgt Ion: 91 Resp: 1220666
Ion Ratio Lower Upper
91 100
106 29.9 21.5 39.9



#54
m,p-Xylene
Concen: 26.244 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW014908.D
Acq: 07 Feb 2020 09:25

Tgt Ion: 106 Resp: 443420
Ion Ratio Lower Upper
106 100
91 212.0 143.4 266.4





#55

o-xylene

Concen: 25.706 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW014908.D

Acq: 07 Feb 2020 09:25

Instrument :

MSVOA_W

ClientSampleId :

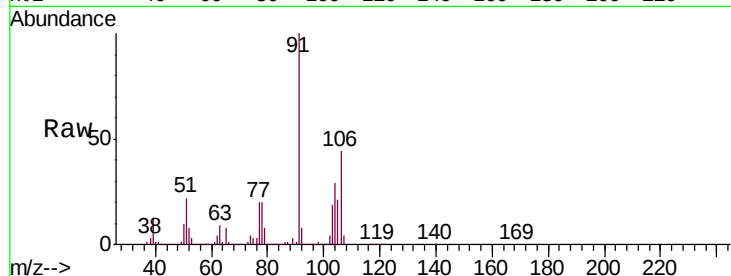
BFB30

Tgt Ion:106 Resp: 413363

Ion Ratio Lower Upper

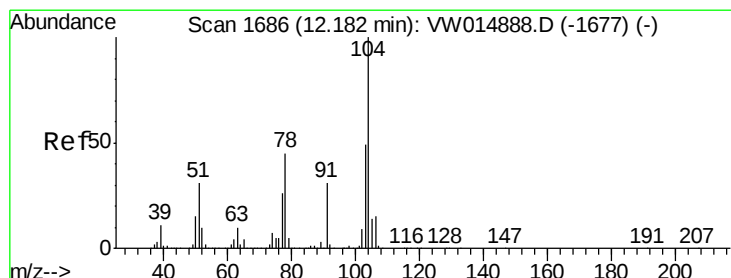
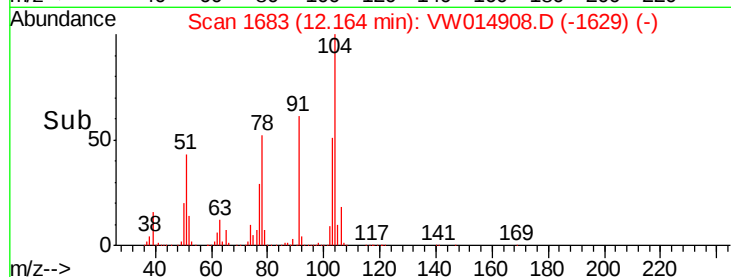
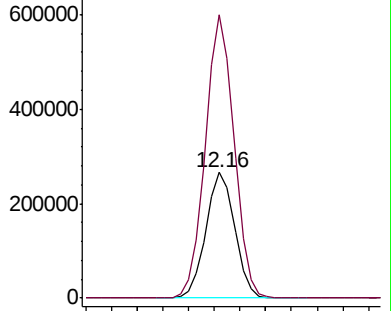
106 100

91 225.5 155.0 287.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.092 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VW014908.D

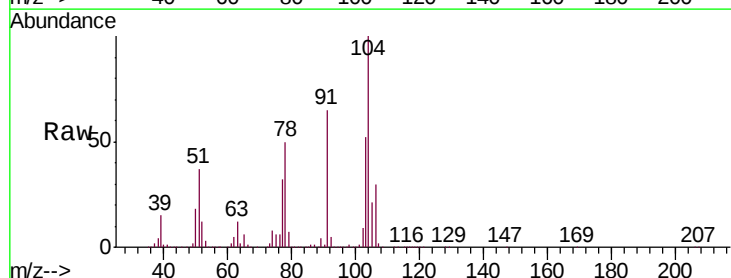
Acq: 07 Feb 2020 09:25

Tgt Ion:104 Resp: 736301

Ion Ratio Lower Upper

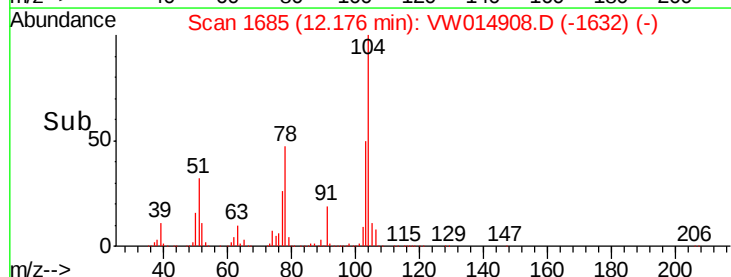
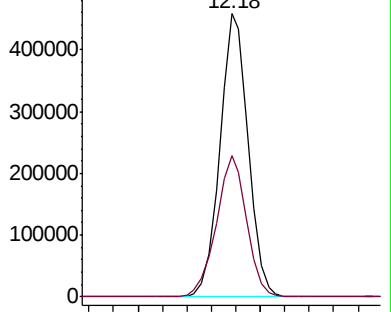
104 100

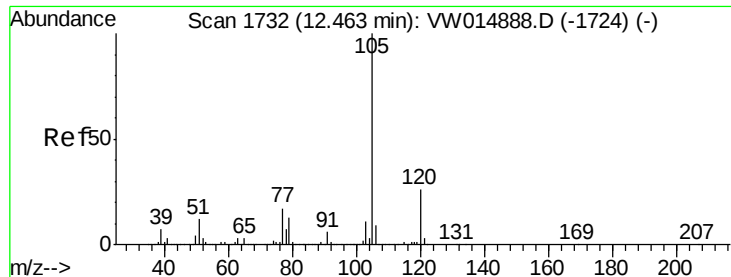
78 49.7 33.8 62.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 26.492 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014908.D

Acq: 07 Feb 2020 09:25

Instrument :

MSVOA_W

ClientSampled :

BFB30

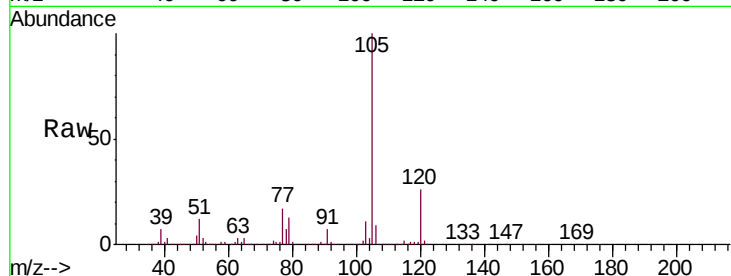
Tgt Ion: 105 Resp: 1144086

Ion Ratio Lower Upper

105 100

120 25.8 20.4 30.6

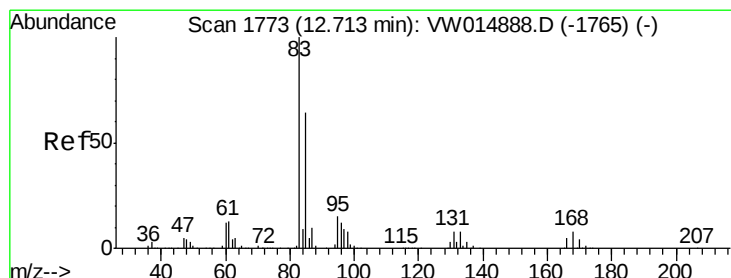
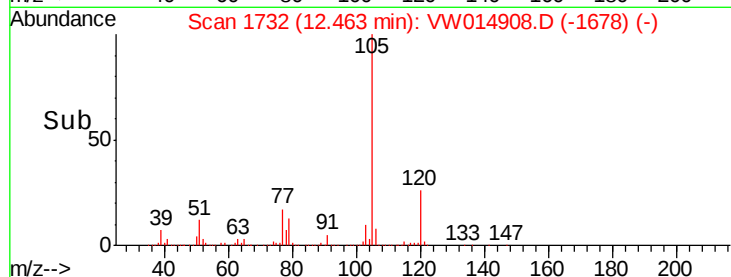
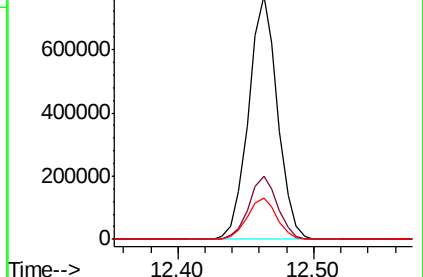
77 17.2 13.1 19.7



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: 28.509 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014908.D

Acq: 07 Feb 2020 09:25

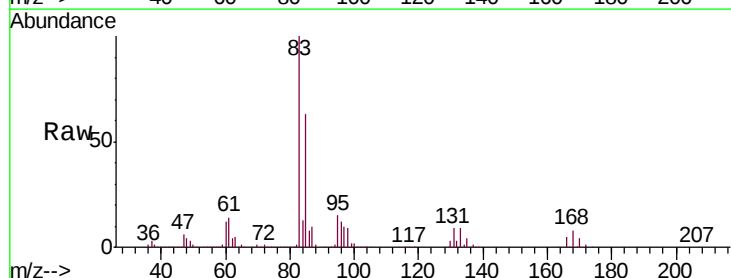
Tgt Ion: 83 Resp: 261091

Ion Ratio Lower Upper

83 100

85 63.0 45.9 85.3

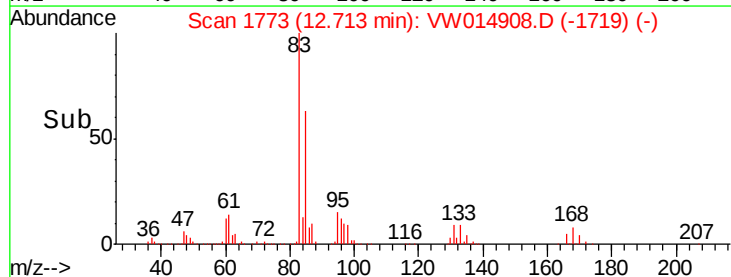
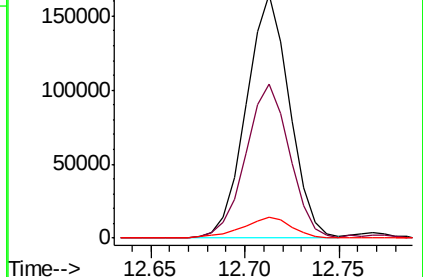
131 8.5 7.3 10.9

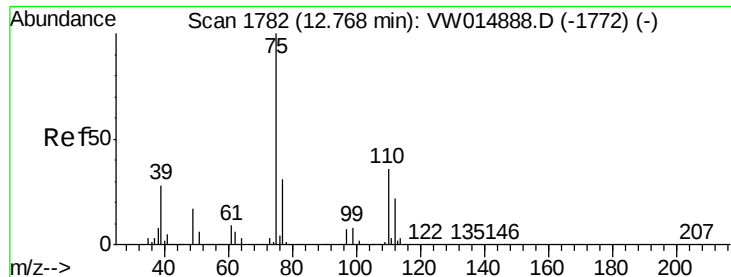


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 28.378 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW014908.D

Acq: 07 Feb 2020 09:25

Instrument :

MSVOA_W

ClientSampleId :

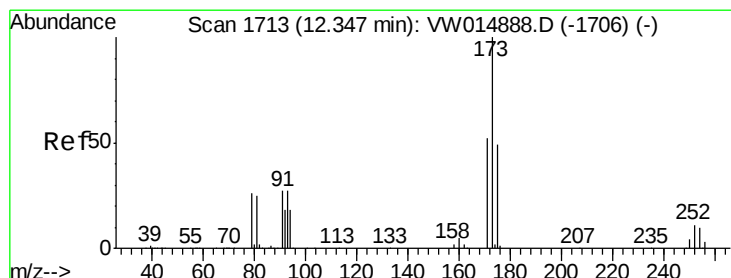
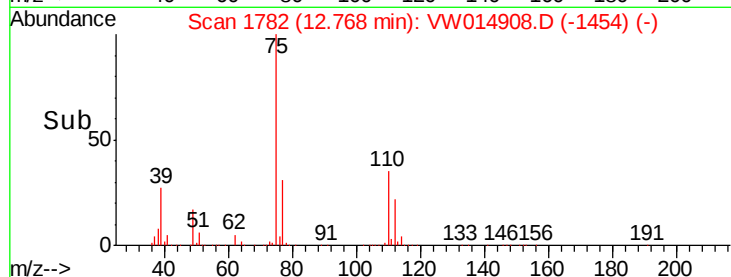
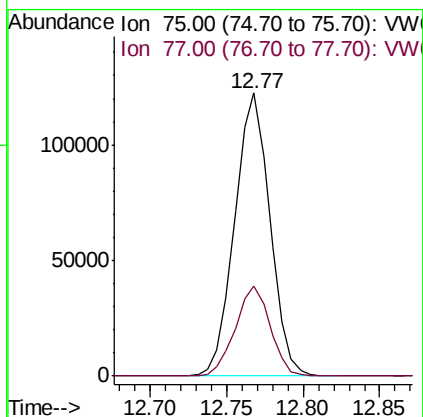
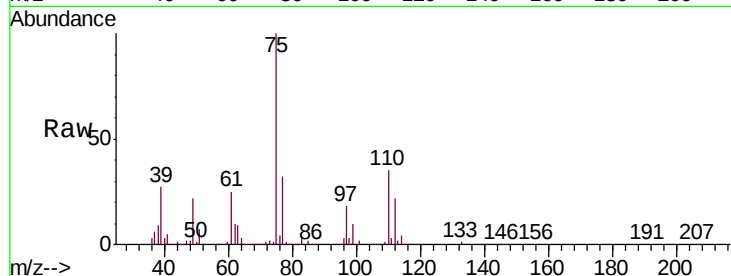
BFB30

Tgt Ion: 75 Resp: 195526

Ion Ratio Lower Upper

75 100

77 31.6 25.9 38.9



#62

Bromoform

Concen: 25.610 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014908.D

Acq: 07 Feb 2020 09:25

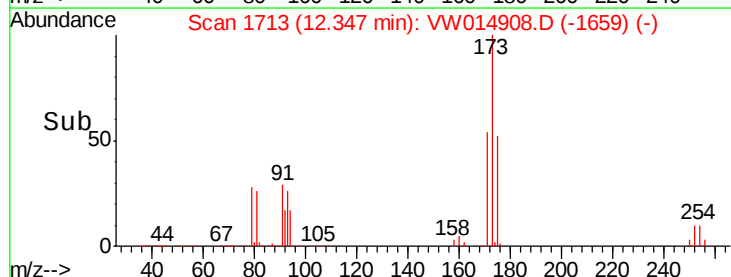
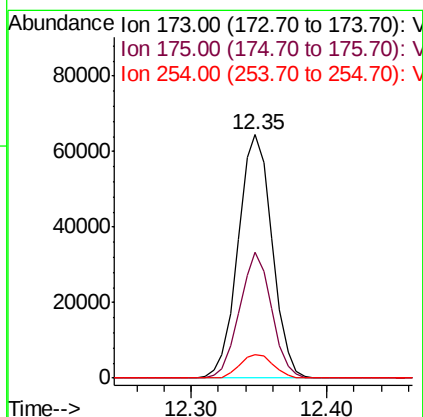
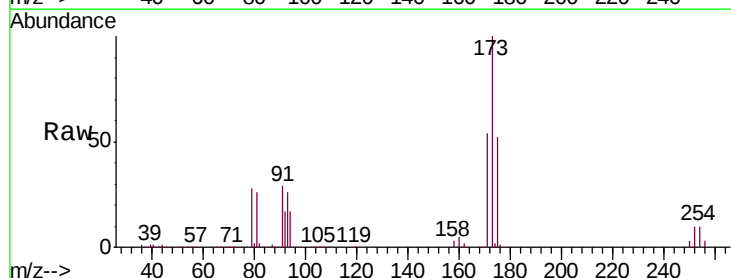
Tgt Ion: 173 Resp: 112444

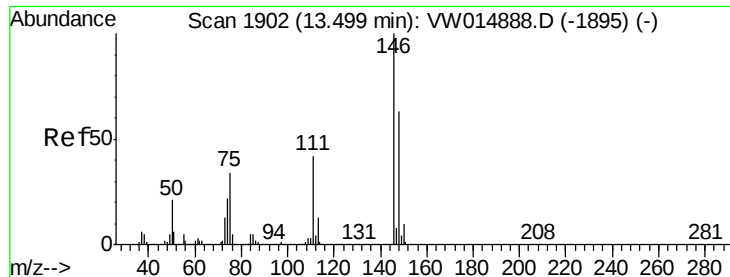
Ion Ratio Lower Upper

173 100

175 48.6 38.9 58.3

254 9.7 7.8 11.8

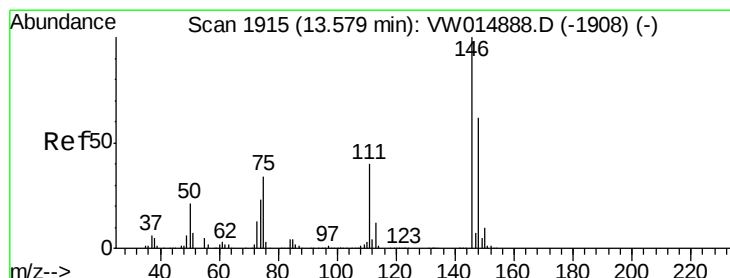
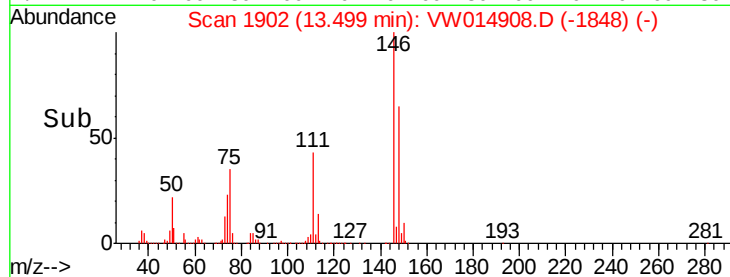
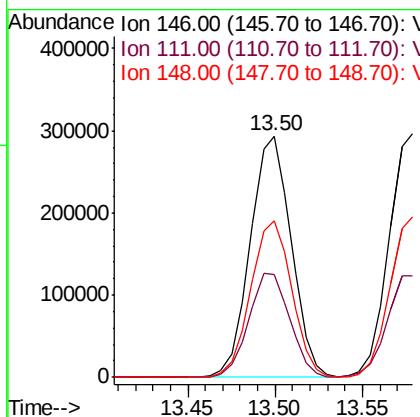
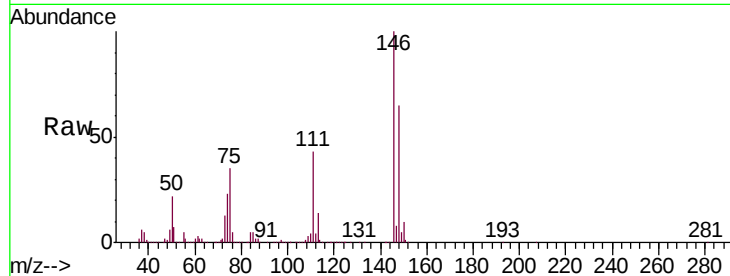




#63
 1,3-Dichlorobenzene
 Concen: 24.568 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW014908.D
 Acq: 07 Feb 2020 09:25

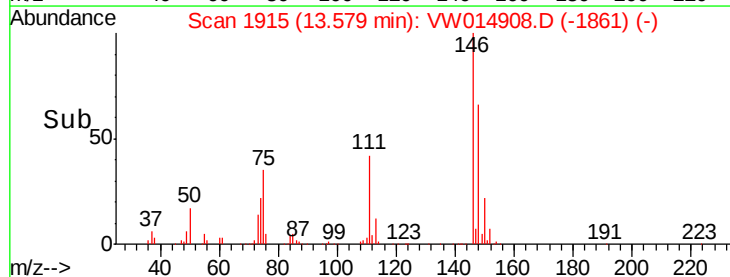
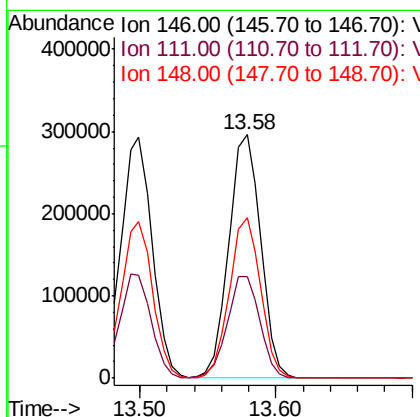
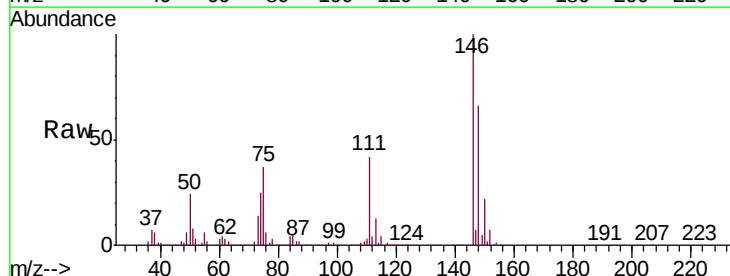
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB30

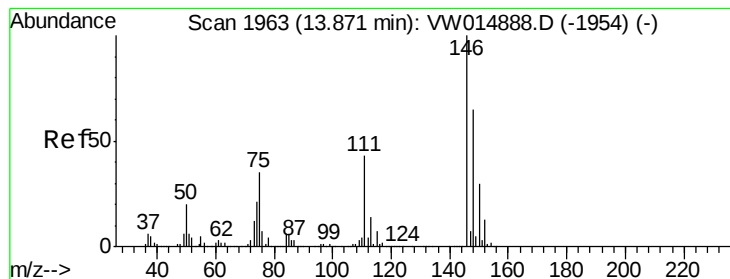
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	28.6	53.0
148	64.7	43.3	80.5



#64
 1,4-Dichlorobenzene
 Concen: 24.567 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW014908.D
 Acq: 07 Feb 2020 09:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	27.9	51.7
148	65.9	44.0	81.8





#65

1,2-Dichlorobenzene

Concen: 25.240 ug/L

RT: 13.87 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VW014908.D

Acq: 07 Feb 2020 09:25

Instrument :

MSVOA_W

ClientSampleId :

BFB30

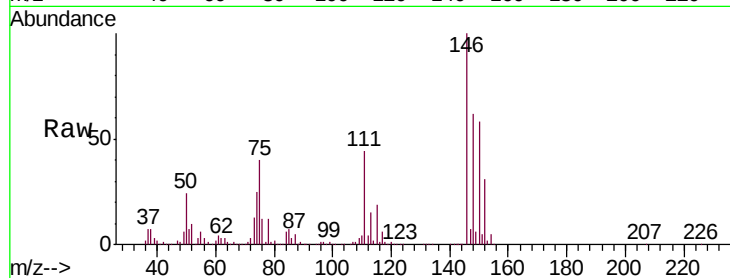
Tgt Ion:146 Resp: 449146

Ion Ratio Lower Upper

146 100

111 44.1 35.0 52.6

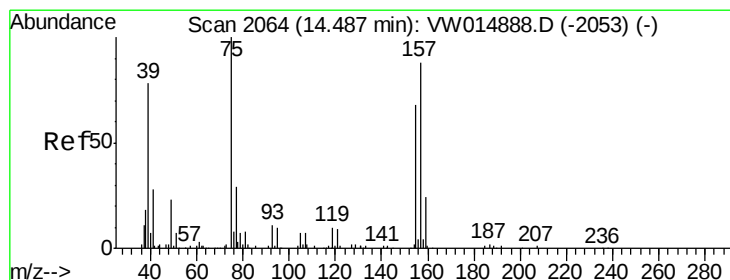
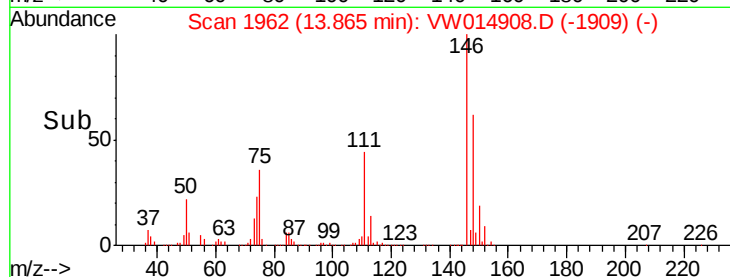
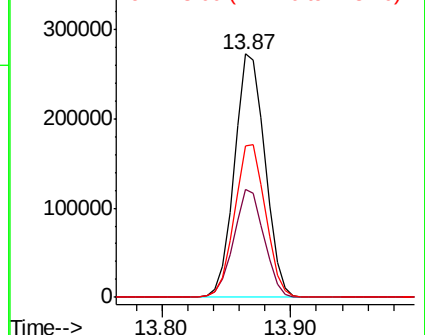
148 62.3 51.1 76.7



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: 27.037 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW014908.D

Acq: 07 Feb 2020 09:25

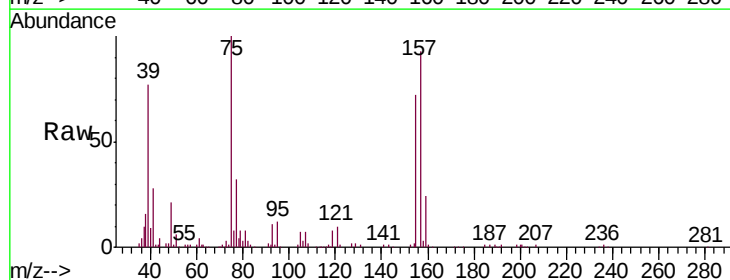
Tgt Ion: 75 Resp: 41023

Ion Ratio Lower Upper

75 100

157 93.3 74.2 111.4

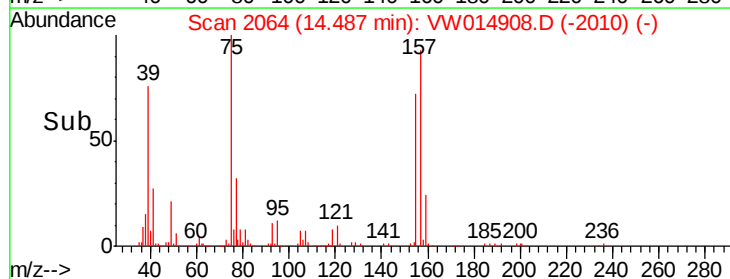
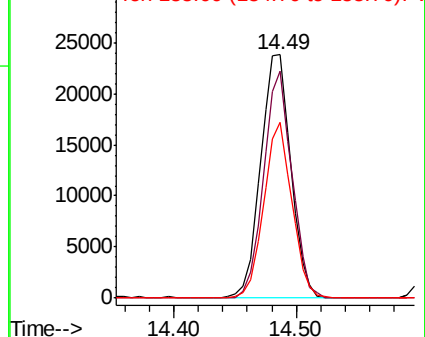
155 72.4 56.1 84.1

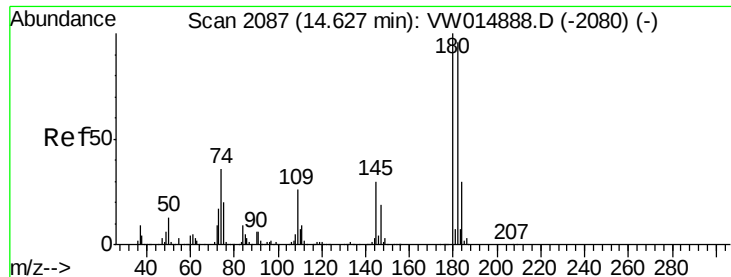


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

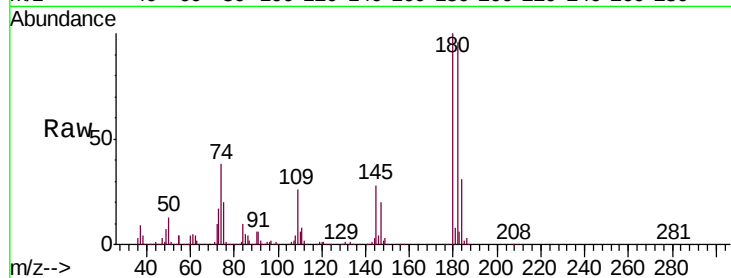




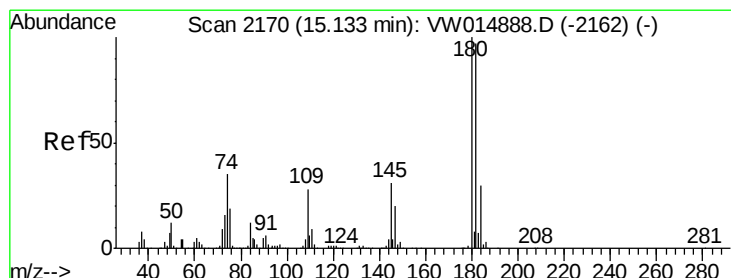
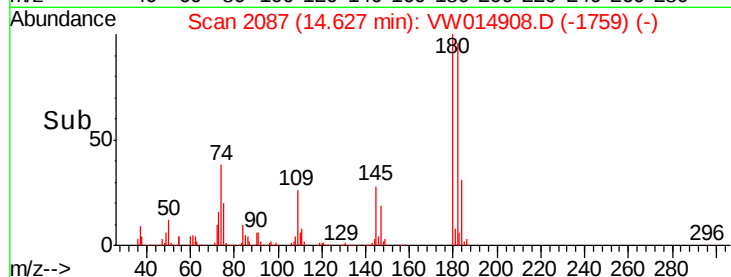
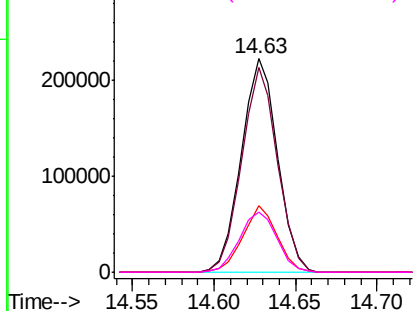
#67
 1,3,5-Trichlorobenzene
 Concen: 24.744 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW014908.D
 Acq: 07 Feb 2020 09:25

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB30

Tgt Ion:180 Resp: 344774
 Ion Ratio Lower Upper
 180 100
 182 94.2 75.5 113.3
 184 29.5 24.6 36.8
 145 29.4 23.7 35.5

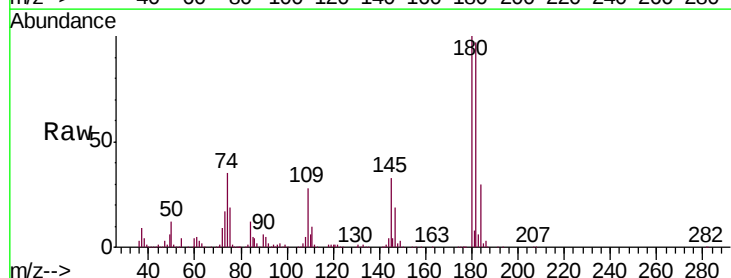


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

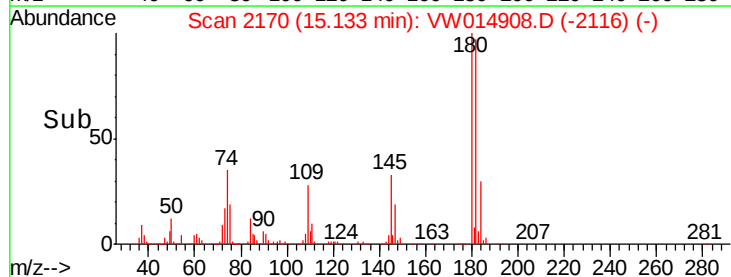
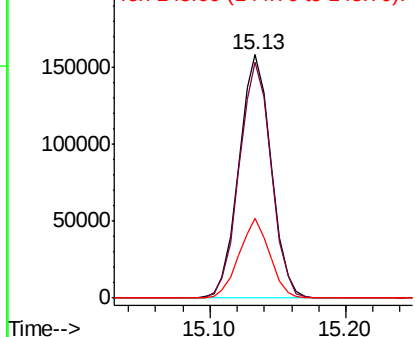


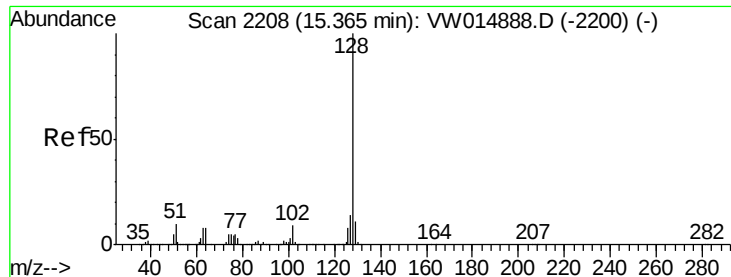
#68
 1,2,4-trichlorobenzene
 Concen: 23.737 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014908.D
 Acq: 07 Feb 2020 09:25

Tgt Ion:180 Resp: 261326
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.4 114.6
 145 30.9 24.6 37.0



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





#69

Naphthalene

Concen: 24.218 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014908.D

Acq: 07 Feb 2020 09:25

Instrument :

MSVOA_W

ClientSampleId :

BFB30

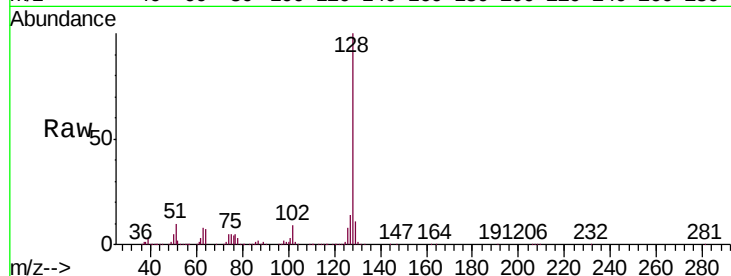
Tgt Ion:128 Resp: 524455

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

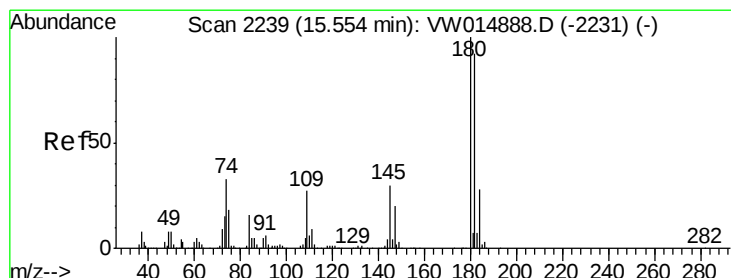
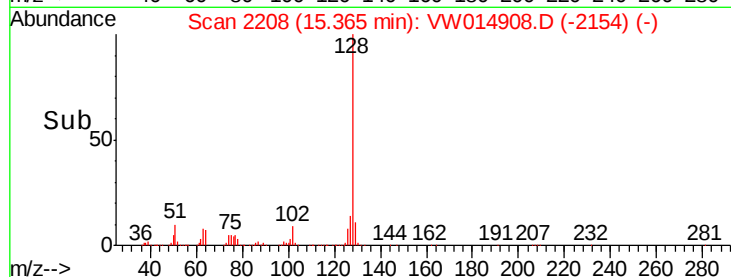
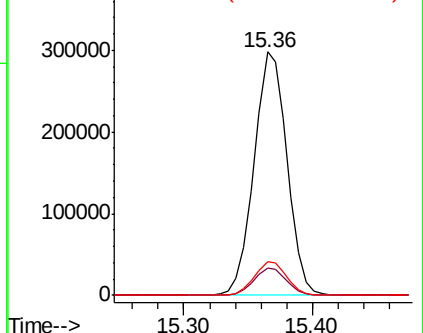
127 13.7 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 24.863 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014908.D

Acq: 07 Feb 2020 09:25

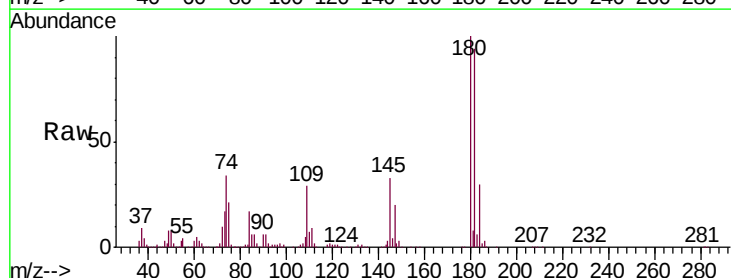
Tgt Ion:180 Resp: 252735

Ion Ratio Lower Upper

180 100

182 94.0 75.3 112.9

145 33.2 26.0 39.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

