

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081020\
 Data File : VW016104.D
 Acq On : 10 Aug 2020 14:47
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

Quant Time: Aug 11 01:16:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 11 01:14:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	419141	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	392237	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	179887	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	118237	22.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.00%
7) Chloroethane-d5	2.89	69	94954	24.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.28%
10) 1,1-Dichloroethene-d2	4.02	63	261282	23.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.68%
20) 2-Butanone-d5	7.09	46	72142	52.76	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.52%
24) Chloroform-d	7.65	84	277941	24.71	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.84%
26) 1,2-Dichloroethane-d4	8.31	65	150421	25.18	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.72%
29) Benzene-d6	8.27	84	534740	25.06	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.24%
33) 1,2-Dichloropropane-d6	9.27	67	152834	24.36	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.44%
37) Toluene-d8	10.32	98	489709	25.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.08%
38) trans-1,3-Dichloropropene-	10.58	79	72381	25.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.68%
39) 2-Hexanone-d5	10.93	63	58364	53.92	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.84%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	129905	25.43	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.72%
61) 1,2-Dichlorobenzene-d4	13.85	152	160020	25.10	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	104256	24.622	ug/L 98
3) Chloromethane	2.21	50	103797	24.685	ug/L 98
5) Vinyl chloride	2.37	62	136046	24.378	ug/L 98
6) Bromomethane	2.78	94	85512	24.466	ug/L 99
8) Chloroethane	2.92	64	78081	24.847	ug/L 97
9) Trichlorofluoromethane	3.26	101	85483	21.459	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	130171	23.123	ug/L 98
12) 1,1-Dichloroethene	4.03	96	131154	24.380	ug/L 93
13) Acetone	4.14	43	47967	46.371	ug/L 99
14) Carbon disulfide	4.37	76	419579	24.847	ug/L 98
15) Methyl Acetate	4.67	43	60880	25.030	ug/L 99
16) Methylene chloride	4.92	84	148206	22.393	ug/L 95
17) Methyl tert-butyl Ether	5.43	73	197635	25.925	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	143098	25.288	ug/L 92
19) 1,1-Dichloroethane	6.21	63	248532	24.823	ug/L 99
21) 2-Butanone	7.18	43	77424	47.226	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	149863	25.104	ug/L 93

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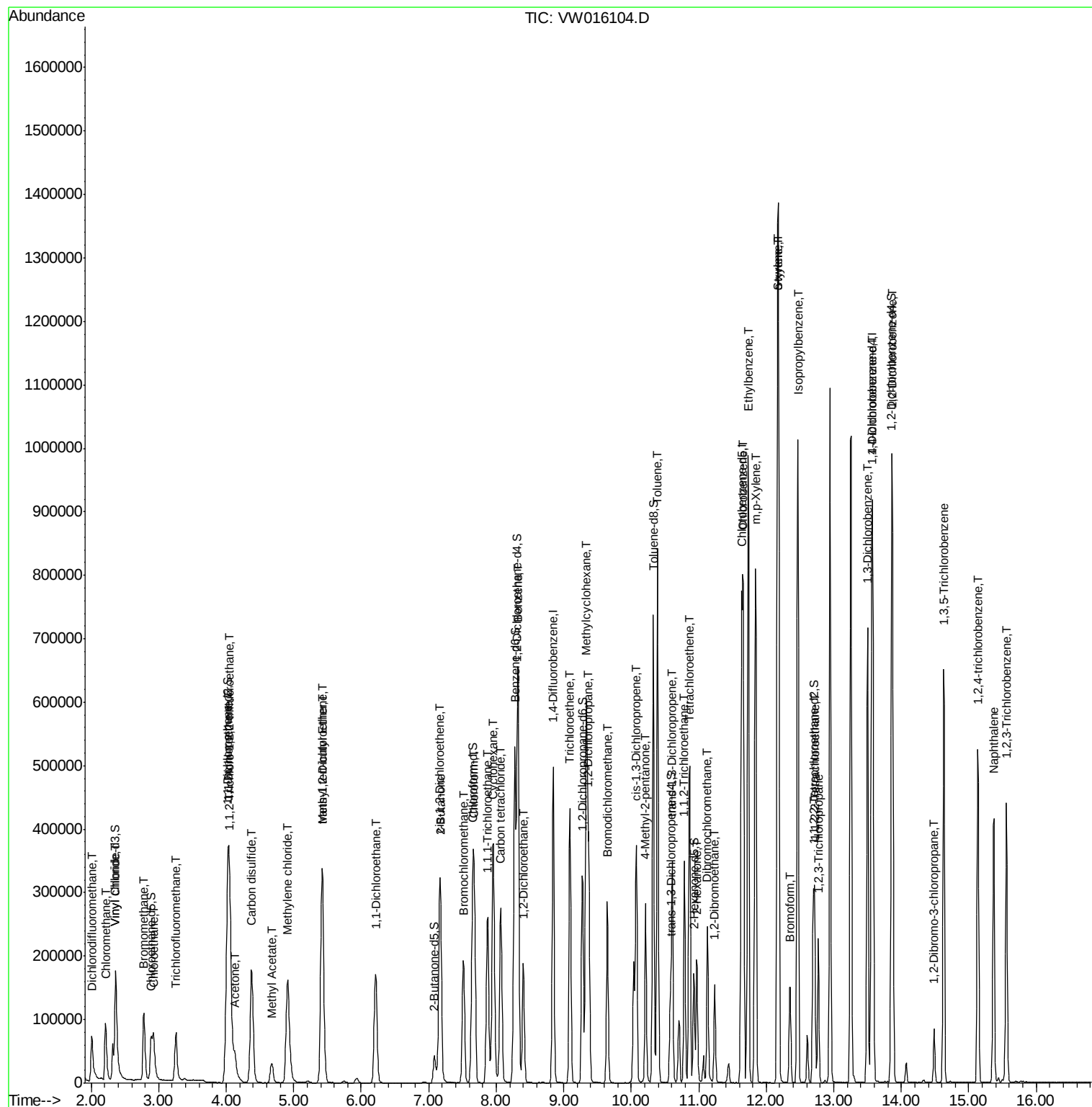
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	68513	25.007	ug/L	98
25) Chloroform	7.68	83	260840	24.488	ug/L	100
27) 1,2-Dichloroethane	8.40	62	175607	24.749	ug/L	100
30) Cyclohexane	7.96	56	217212	25.451	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	219406	24.343	ug/L	99
32) Carbon tetrachloride	8.07	117	210121	24.649	ug/L	100
34) Benzene	8.32	78	569408	25.174	ug/L	100
35) Trichloroethene	9.09	95	148256	24.376	ug/L	99
36) Methylcyclohexane	9.34	83	252484	25.200	ug/L	99
40) 1,2-Dichloropropane	9.37	63	138780	24.985	ug/L	99
41) Bromodichloromethane	9.65	83	187516	24.575	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	219492	25.947	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	173827	52.029	ug/L	100
44) Toluene	10.39	91	611706	25.619	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	194149	25.549	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	107209	24.520	ug/L	99
47) Tetrachloroethene	10.87	164	111327	24.416	ug/L	97
49) 2-Hexanone	10.97	43	121112	53.723	ug/L	99
50) Dibromochloromethane	11.13	129	130936	25.426	ug/L	97
51) 1,2-Dibromoethane	11.24	107	105175	25.373	ug/L	99
52) Chlorobenzene	11.66	112	388681	24.603	ug/L	97
53) Ethylbenzene	11.73	91	688402	25.411	ug/L	100
54) m,p-Xylene	11.84	106	261623	25.673	ug/L	97
55) o-xylene	12.17	106	249337	25.976	ug/L	98
56) Styrene	12.18	104	432309	26.014	ug/L	97
57) Isopropylbenzene	12.47	105	670665	25.915	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	133783	26.224	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	96732	25.028	ug/L	99
62) Bromoform	12.35	173	68910	25.333	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	284048	25.000	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	289559	25.017	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	262383	25.188	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.49	75	23009	25.189	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	185863	25.925	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	158294	27.243	ug/L	95
69) Naphthalene	15.37	128	356700	29.083	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	147756	27.990	ug/L	97

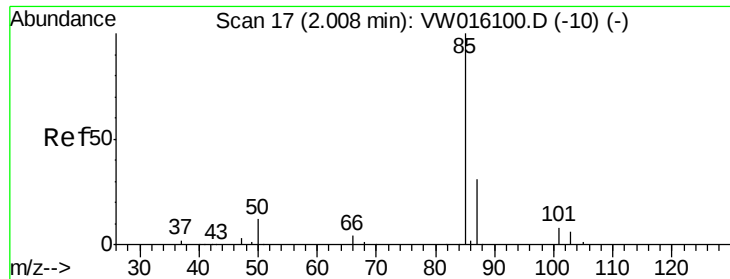
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.622 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW016104.D

Acq: 10 Aug 2020 14:47

Instrument :

MSVOA_W

ClientSampleId :

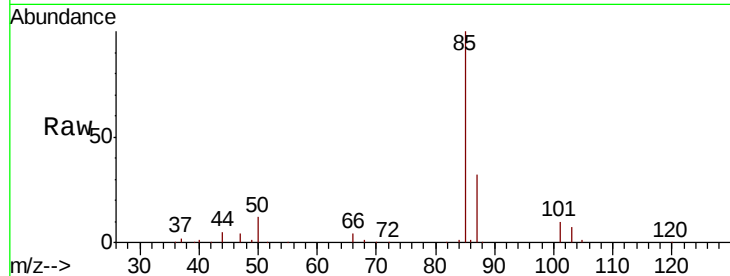
VSTD02530

Tot Ion: 85 Resp: 104256

Ion Ratio Lower Upper

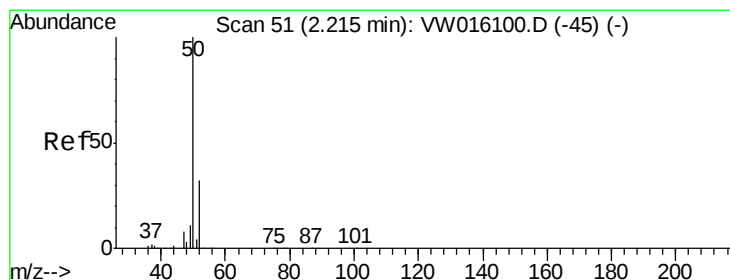
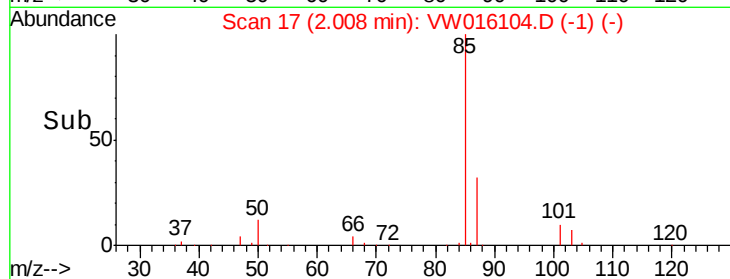
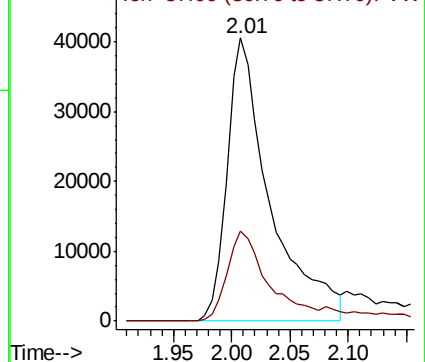
85 100

87 30.3 22.0 41.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 24.685 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW016104.D

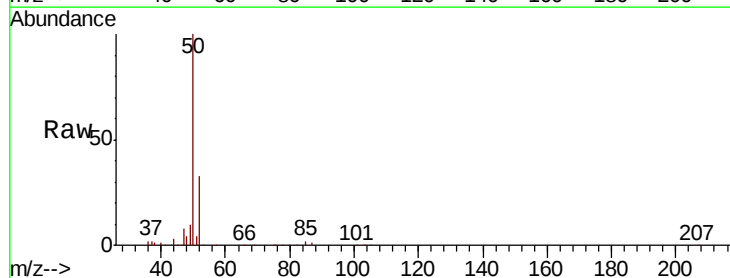
Acq: 10 Aug 2020 14:47

Tgt Ion: 50 Resp: 103797

Ion Ratio Lower Upper

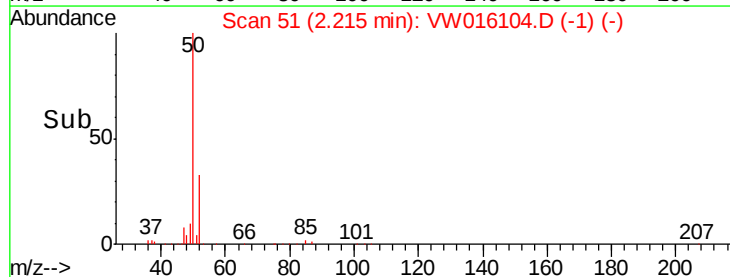
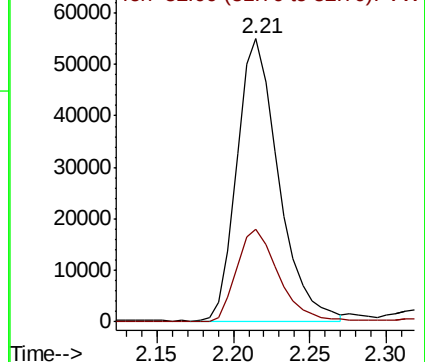
50 100

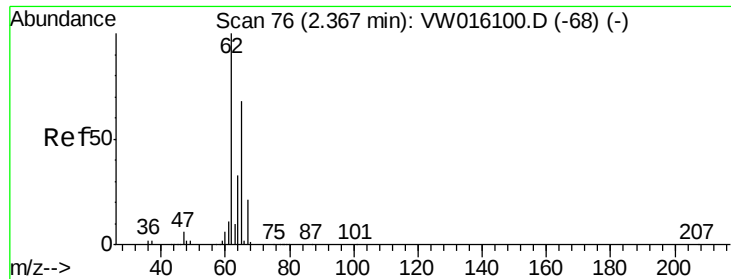
52 32.6 22.0 40.8



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 24.378 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW016104.D

Acq: 10 Aug 2020 14:47

Instrument :

MSVOA_W

ClientSampleId :

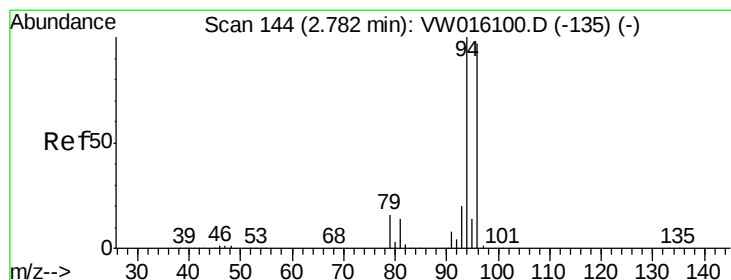
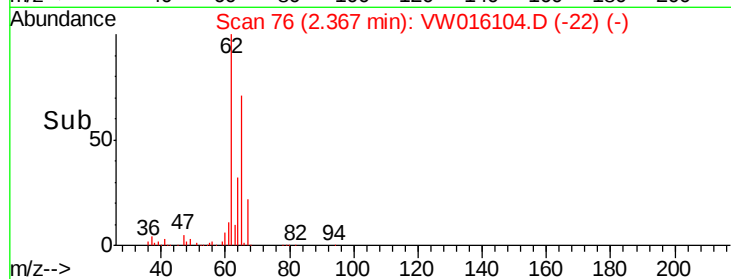
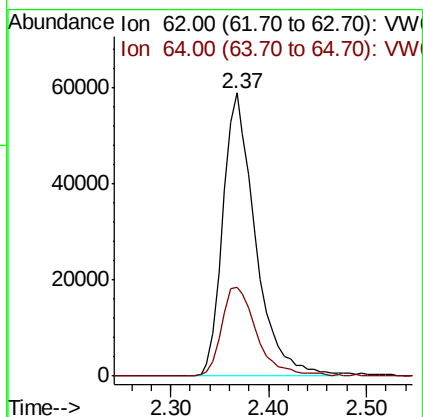
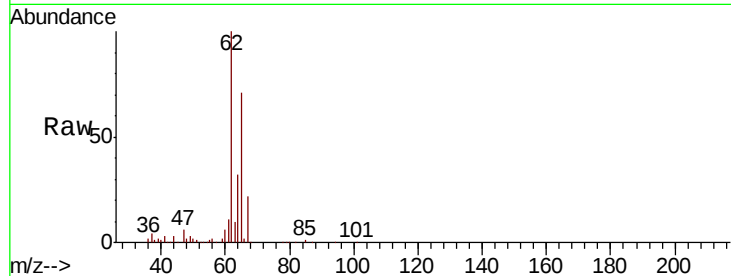
VSTD02530

Tot Ion: 62 Resp: 136046

Ion Ratio Lower Upper

62 100

64 31.5 23.0 42.8



#6

Bromomethane

Concen: 24.466 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW016104.D

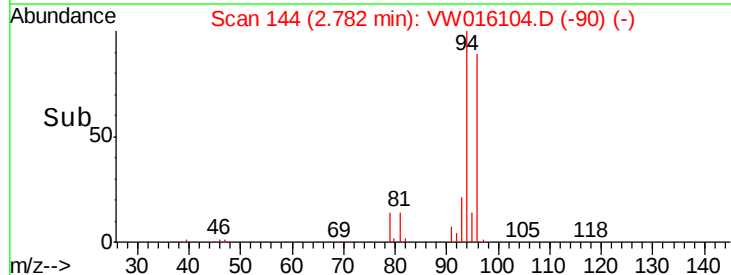
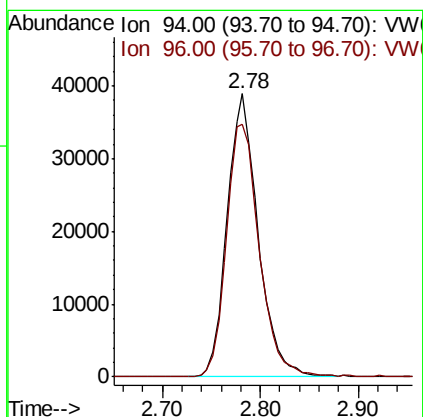
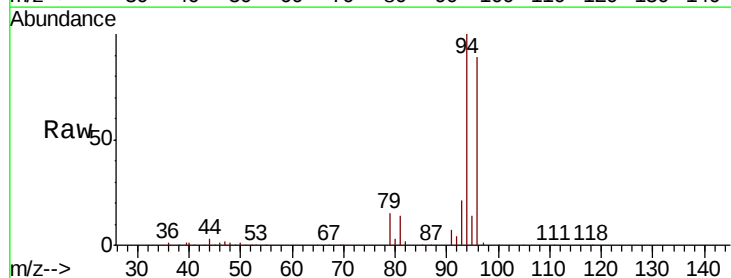
Acq: 10 Aug 2020 14:47

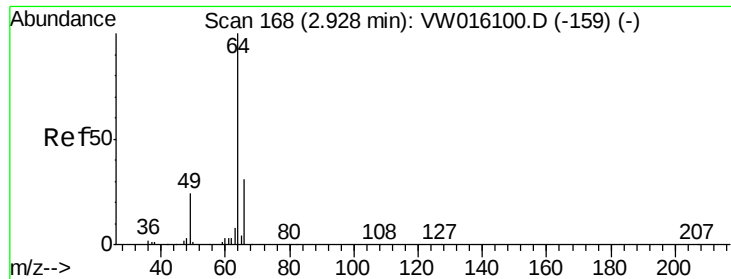
Tgt Ion: 94 Resp: 85512

Ion Ratio Lower Upper

94 100

96 94.7 9.4 178.2

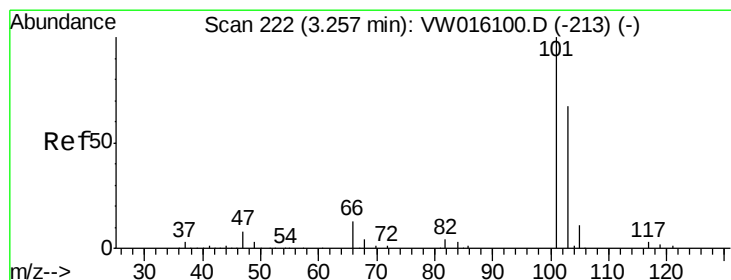
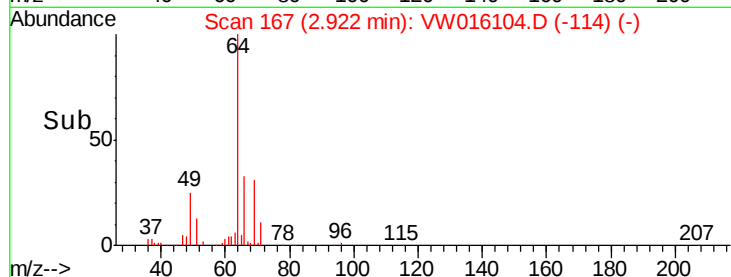
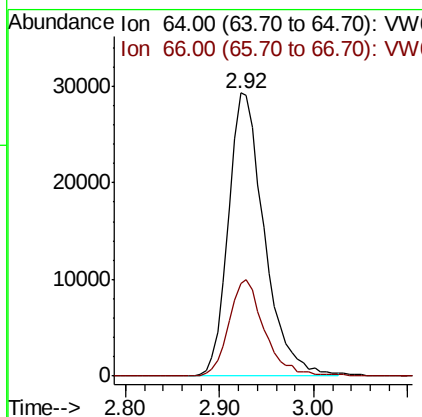
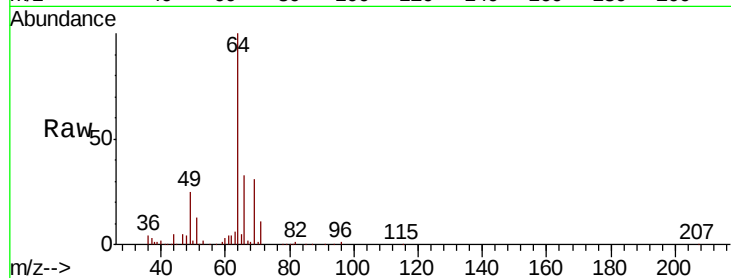




#8
Chloroethane
Concen: 24.847 ug/L
RT: 2.92 min Scan# 167
Delta R.T. -0.01 min
Lab File: VW016104.D
Acq: 10 Aug 2020 14:47

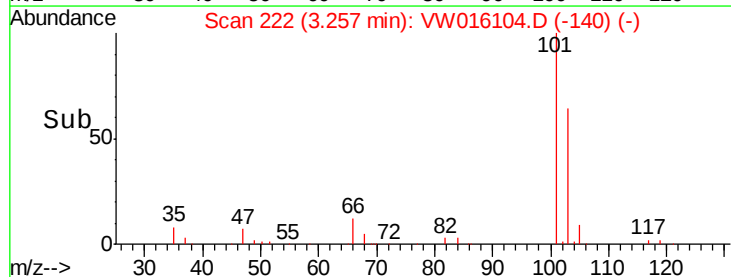
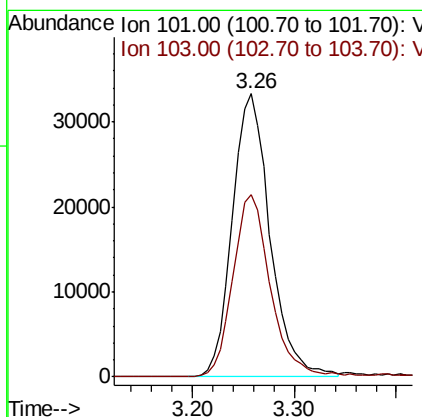
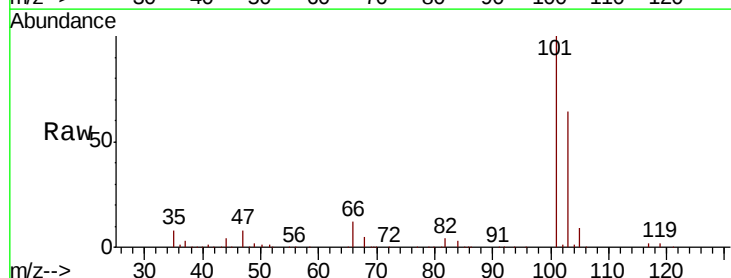
Instrument :
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VSTD02530

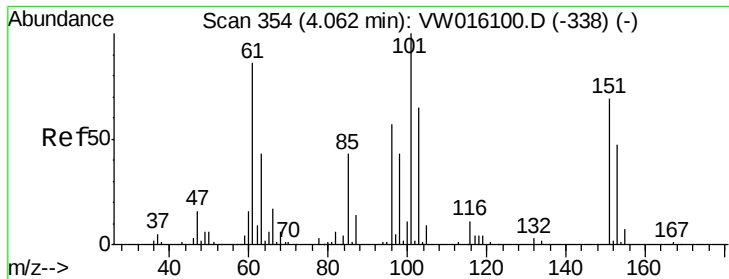
Tot Ion: 64 Resp: 78081
Ion Ratio Lower Upper
64 100
66 32.9 21.8 40.4



#9
Trichlorofluoromethane
Concen: 21.459 ug/L
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW016104.D
Acq: 10 Aug 2020 14:47

Tgt Ion:101 Resp: 85483
Ion Ratio Lower Upper
101 100
103 64.0 45.6 84.6





#11

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

Concen: 23.123 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW016104.D

Acq: 10 Aug 2020 14:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

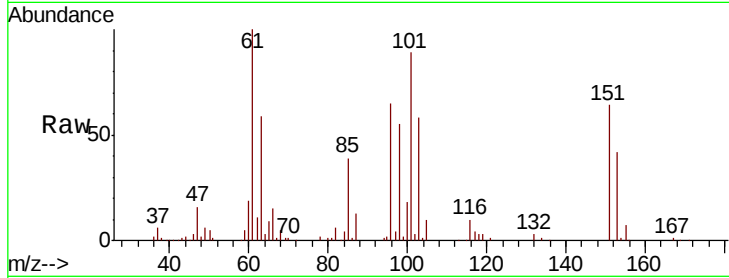
Tot Ion:101 Resp: 130171

Ion Ratio Lower Upper

101 100

85 44.8 34.2 51.4

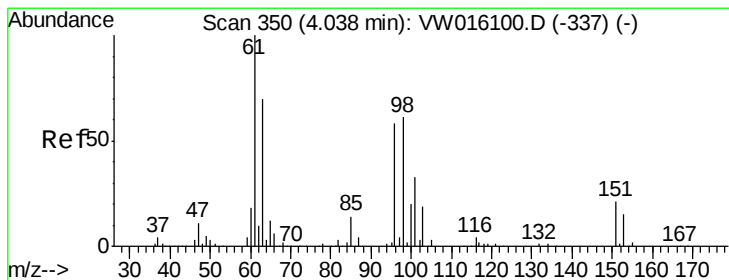
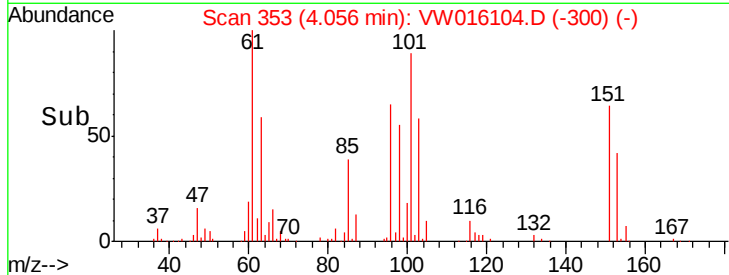
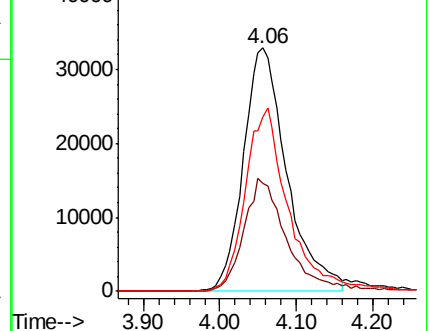
151 73.1 57.4 86.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 24.380 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW016104.D

Acq: 10 Aug 2020 14:47

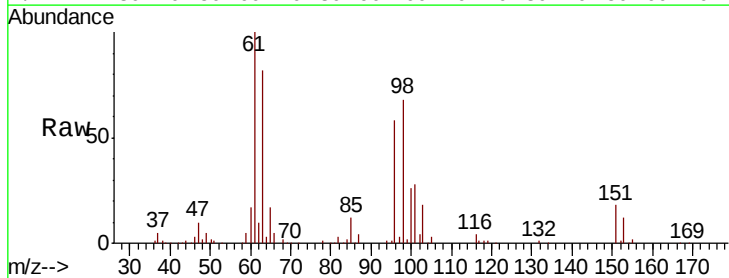
Tgt Ion: 96 Resp: 131154

Ion Ratio Lower Upper

96 100

61 171.1 120.2 223.2

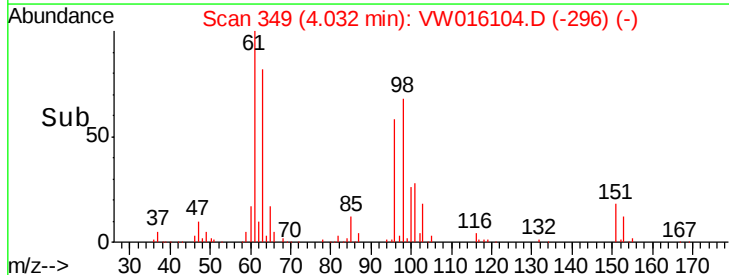
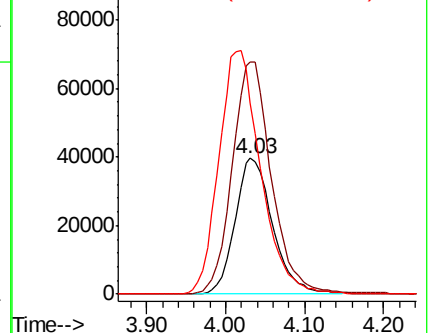
63 140.8 86.4 160.4

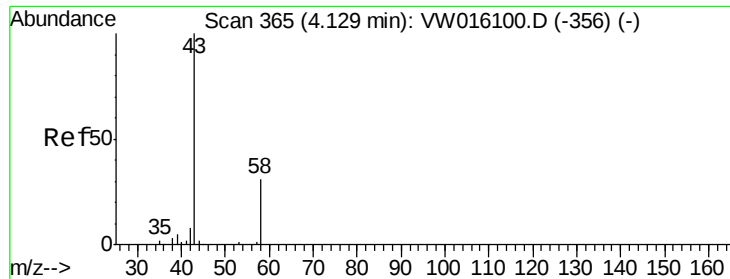


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 46.371 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW016104.D

Acq: 10 Aug 2020 14:47

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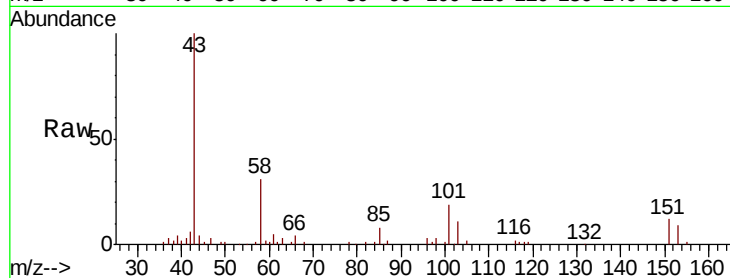
VSTD02530

Tot Ion: 43 Resp: 47967

Ion Ratio Lower Upper

43 100

58 30.3 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

20000

15000

10000

5000

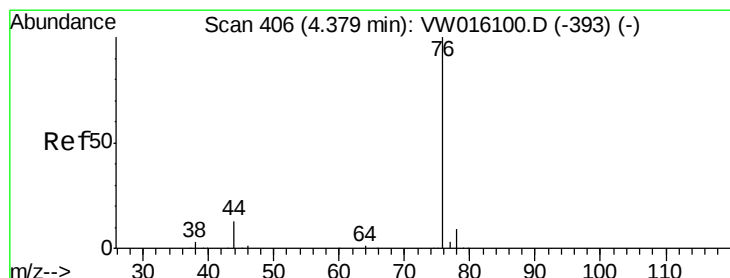
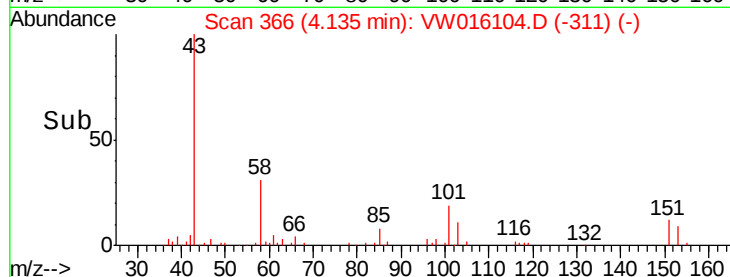
0

4.00

4.10

4.20

Time-->



#14

Carbon disulfide

Concen: 24.847 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW016104.D

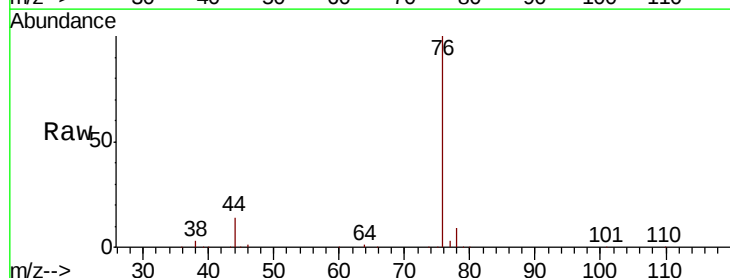
Acq: 10 Aug 2020 14:47

Tgt Ion: 76 Resp: 419579

Ion Ratio Lower Upper

76 100

78 9.5 7.0 10.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

150000

100000

50000

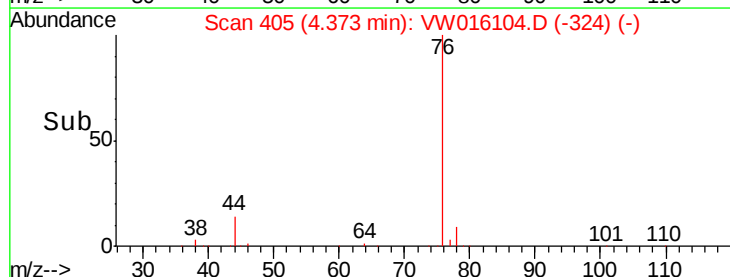
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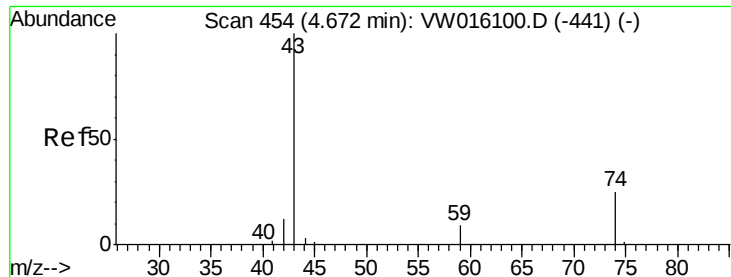
4.30

4.40

4.50

Time-->

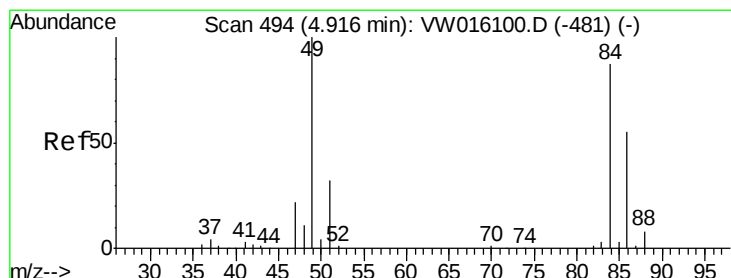
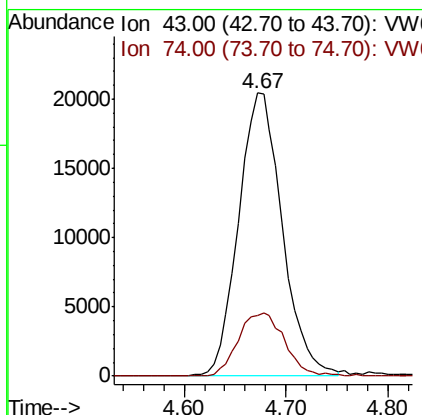
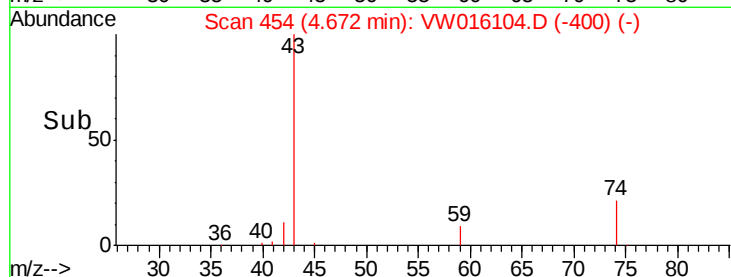
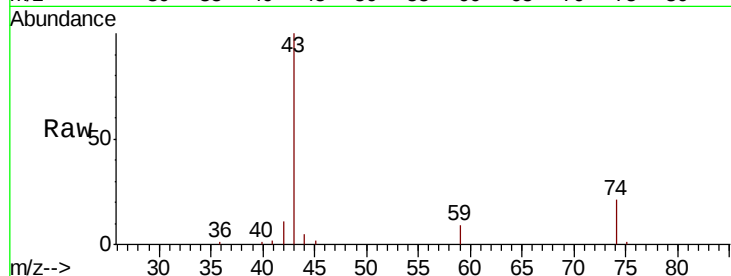




#15
Methyl Acetate
Concen: 25.030 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW016104.D
Acq: 10 Aug 2020 14:47

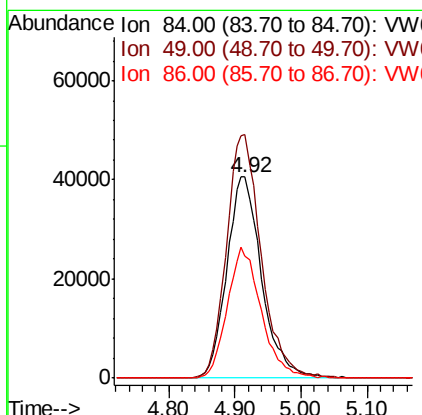
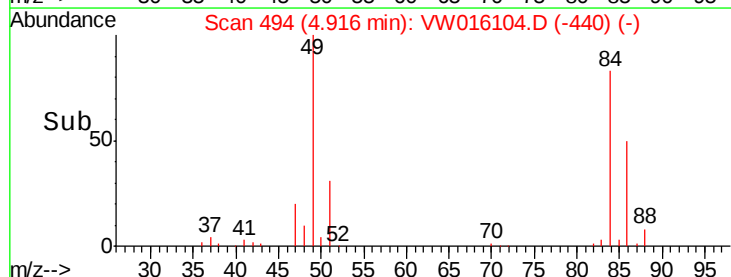
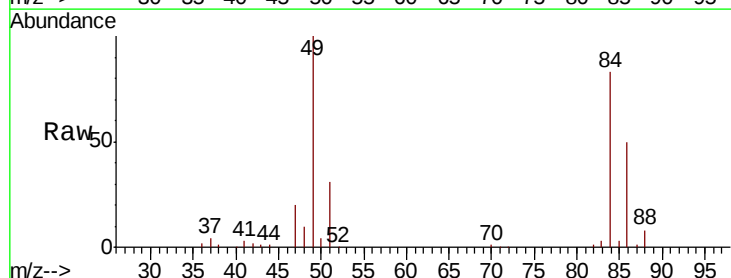
Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

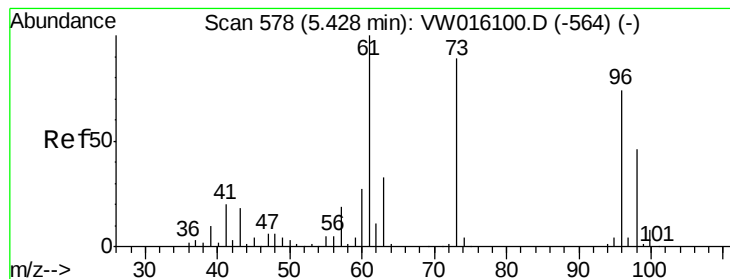
Tot Ion: 43 Resp: 60880
Ion Ratio Lower Upper
43 100
74 23.3 18.9 28.3



#16
Methylene chloride
Concen: 22.393 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW016104.D
Acq: 10 Aug 2020 14:47

Tgt Ion: 84 Resp: 148206
Ion Ratio Lower Upper
84 100
49 121.1 80.4 149.4
86 60.4 43.8 81.3





#17

Methvl tert-butvl Ether

Concen: 25.925 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW016104.D

Acq: 10 Aug 2020 14:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

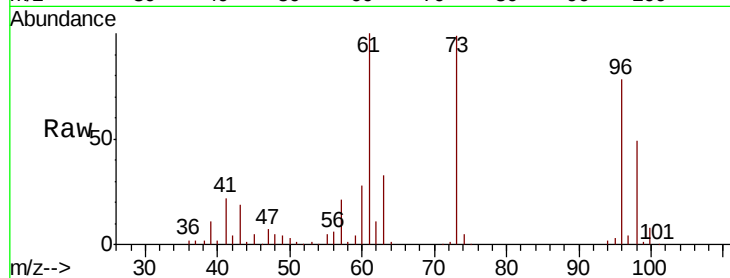
Tot Ion: 73 Resp: 197635

Ion Ratio Lower Upper

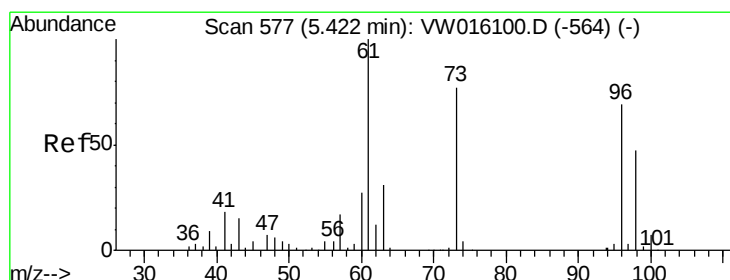
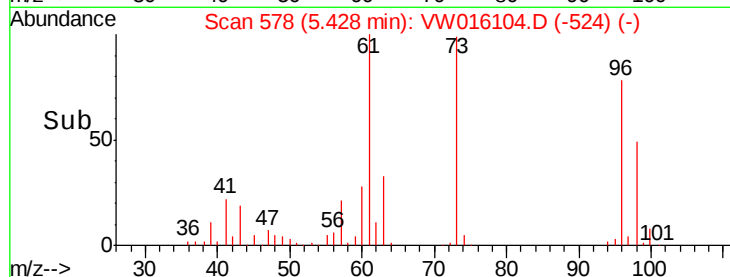
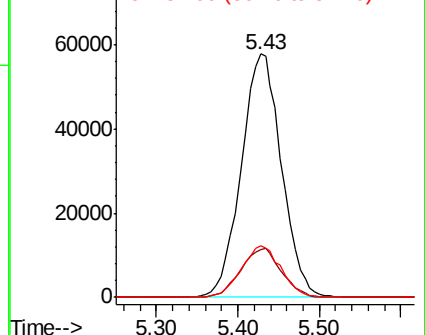
73 100

43 20.4 16.6 24.8

57 21.0 17.1 25.7



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



#18

trans-1,2-Dichloroethene

Concen: 25.288 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW016104.D

Acq: 10 Aug 2020 14:47

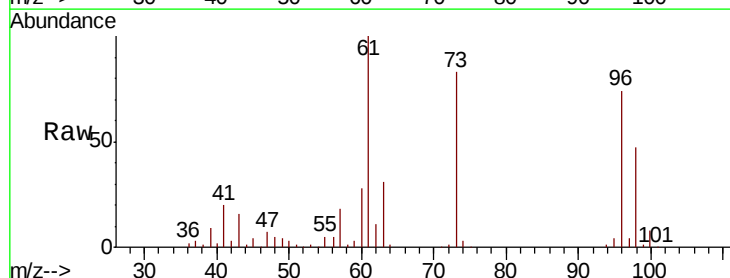
Tgt Ion: 96 Resp: 143098

Ion Ratio Lower Upper

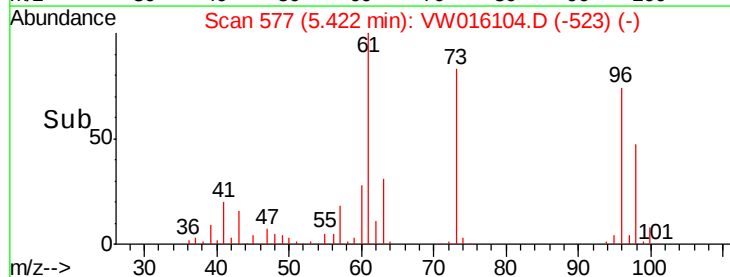
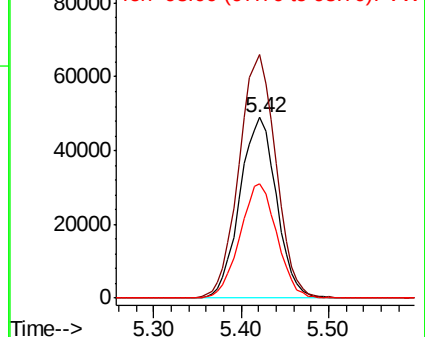
96 100

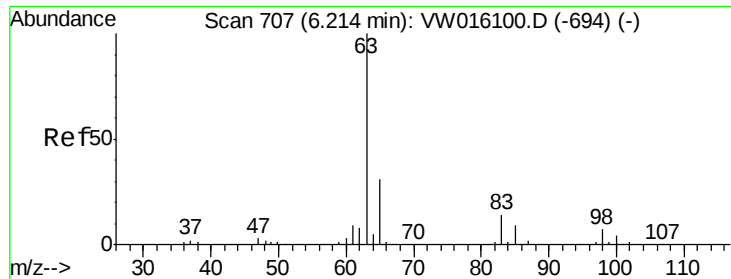
61 134.8 101.6 188.8

98 63.4 47.7 88.7



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

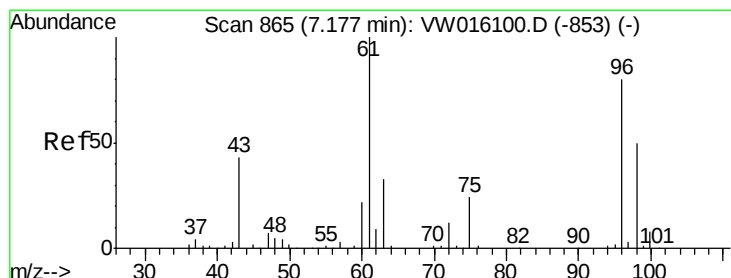
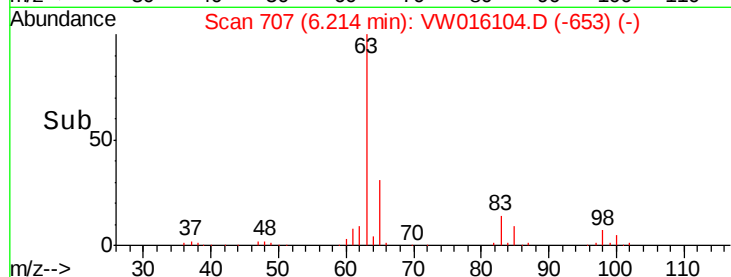
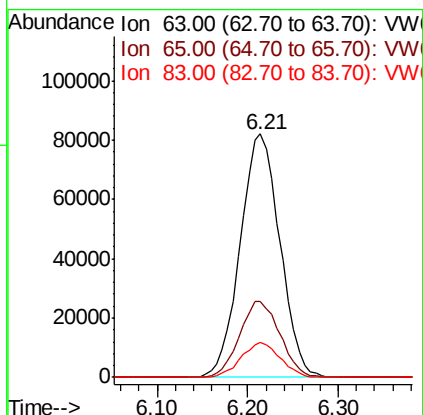
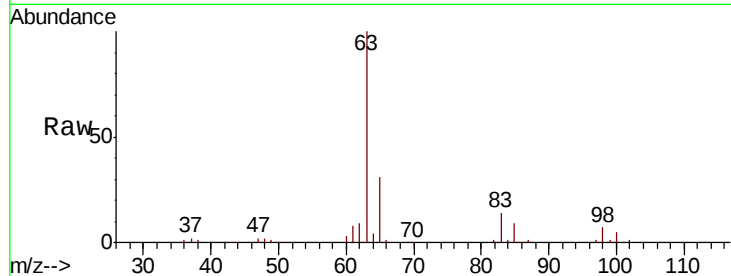




#19
 1,1-Dichloroethane
 Concen: 24.823 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW016104.D
 Acq: 10 Aug 2020 14:47

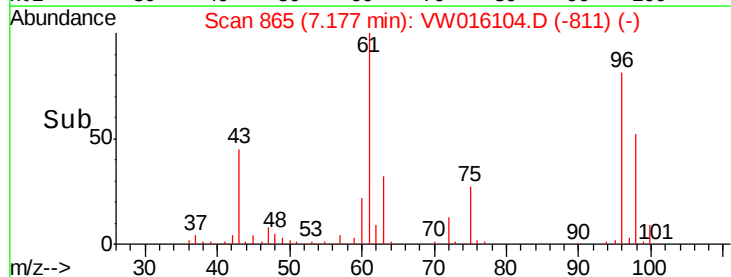
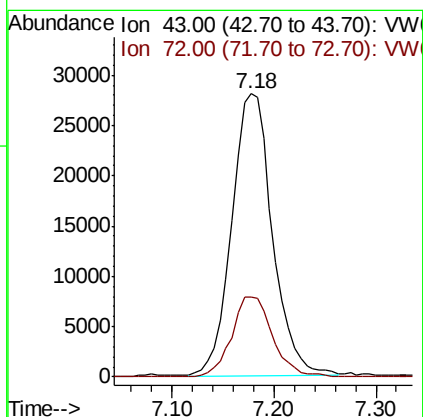
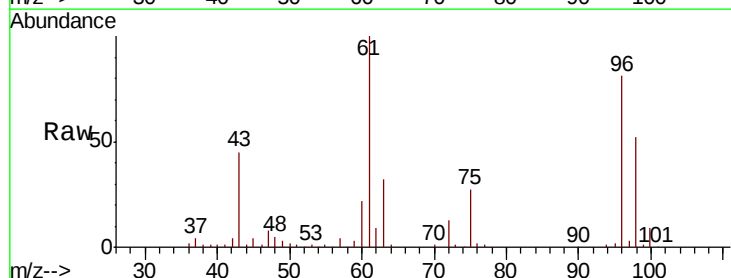
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

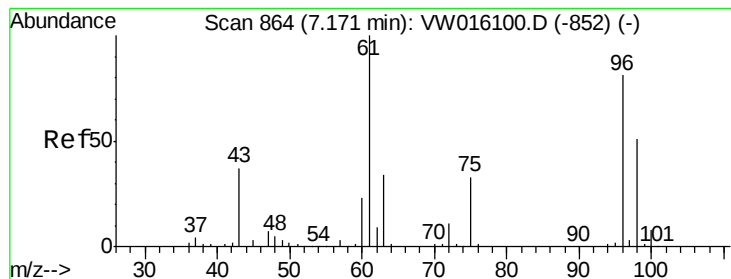
Tot Ion: 63 Resp: 248532
 Ion Ratio Lower Upper
 63 100
 65 31.3 21.6 40.0
 83 14.2 9.8 18.2



#21
 2-Butanone
 Concen: 47.226 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VW016104.D
 Acq: 10 Aug 2020 14:47

Tgt Ion: 43 Resp: 77424
 Ion Ratio Lower Upper
 43 100
 72 28.3 13.9 41.7



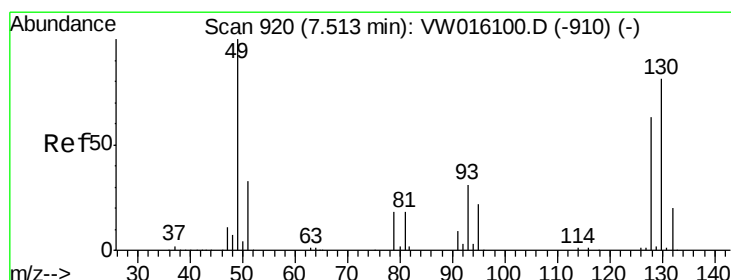
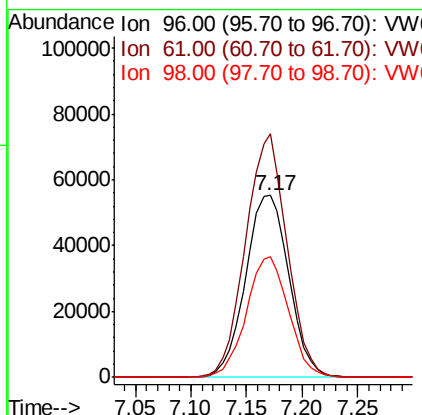
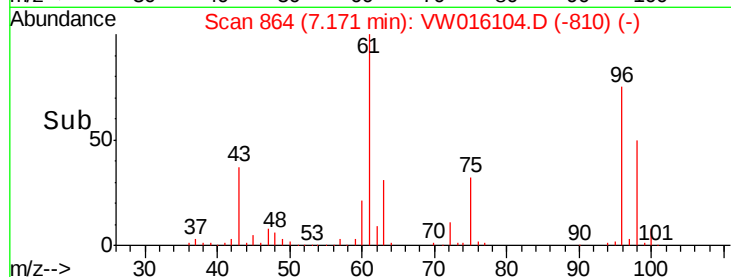
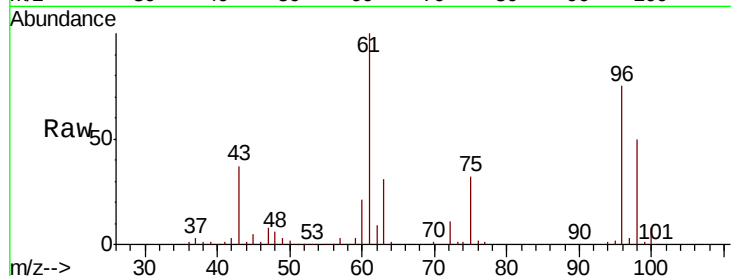


#22

cis-1,2-Dichloroethene
 Concen: 25.104 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW016104.D
 Acq: 10 Aug 2020 14:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

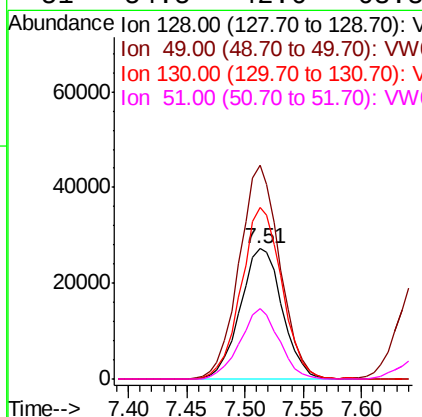
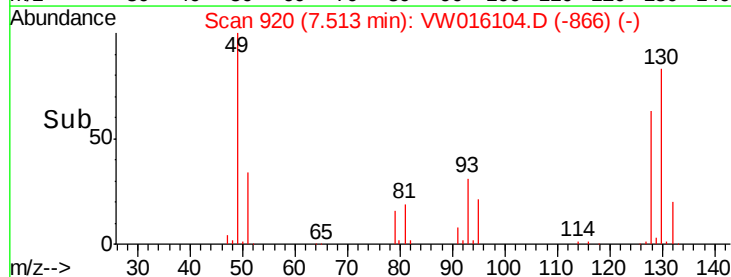
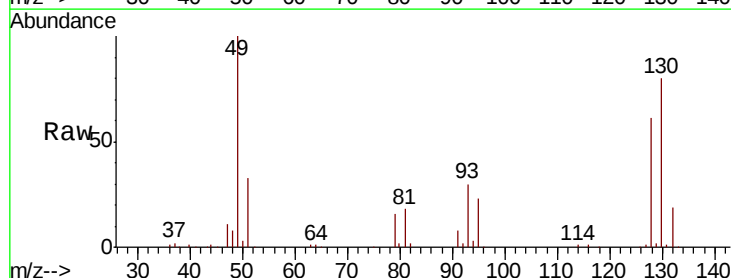
Tot Ion: 96 Resp: 149863
 Ion Ratio Lower Upper
 96 100
 61 134.0 87.0 161.6
 98 66.8 44.0 81.6

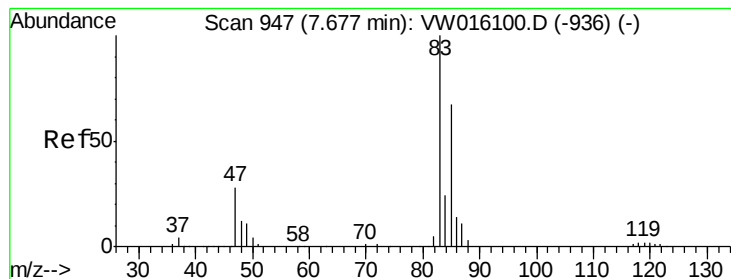


#23

Bromochloromethane
 Concen: 25.007 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW016104.D
 Acq: 10 Aug 2020 14:47

Tgt Ion: 128 Resp: 68513
 Ion Ratio Lower Upper
 128 100
 49 164.1 111.8 207.6
 130 131.5 90.6 168.3
 51 54.5 42.6 63.8





#25

Chloroform

Concen: 24.488 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW016104.D

Acq: 10 Aug 2020 14:47

Instrument :

MSVOA_W

ClientSampleId :

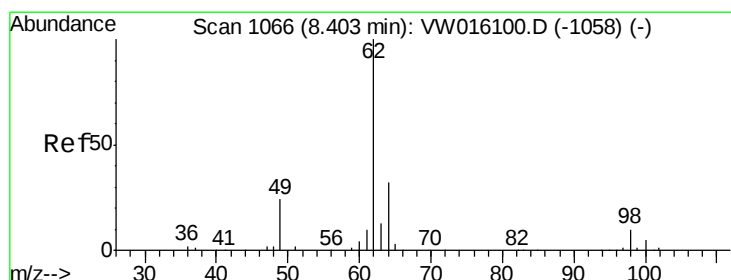
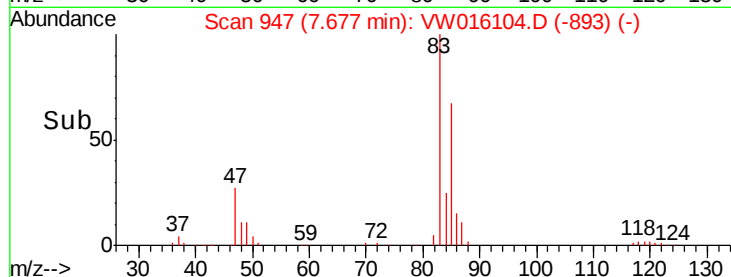
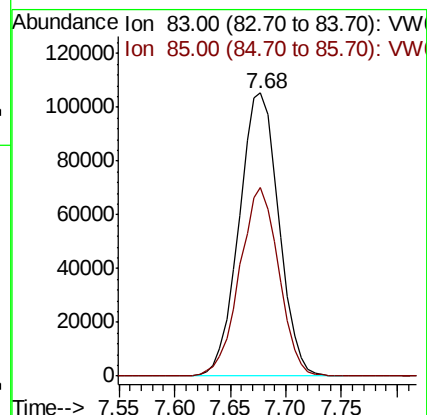
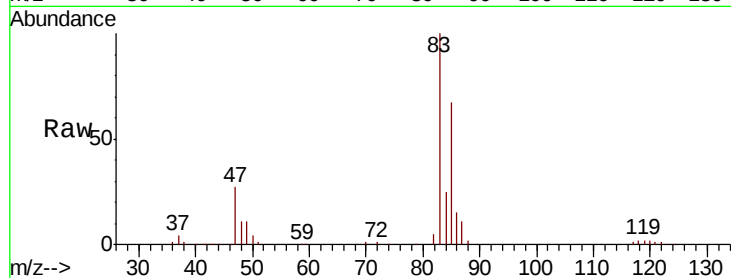
VSTD02530

Tot Ion: 83 Resp: 260840

Ion Ratio Lower Upper

83 100

85 65.9 46.0 85.4



#27

1,2-Dichloroethane

Concen: 24.749 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW016104.D

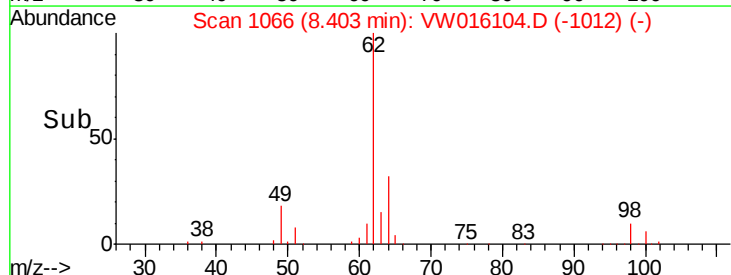
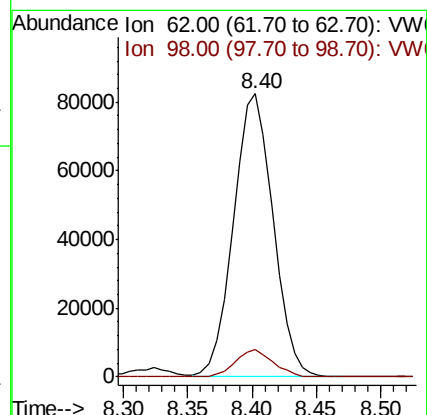
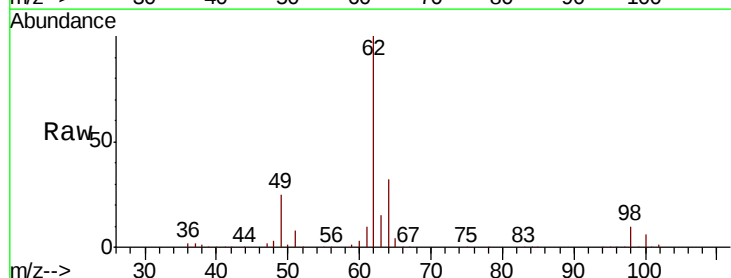
Acq: 10 Aug 2020 14:47

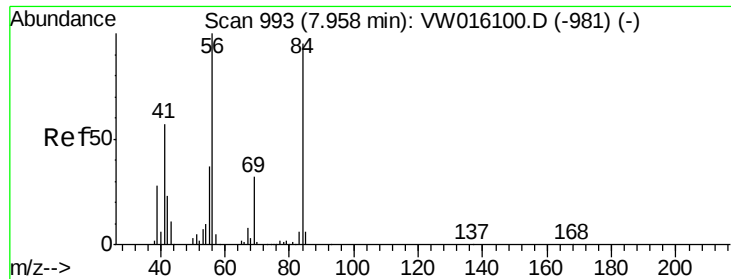
Tgt Ion: 62 Resp: 175607

Ion Ratio Lower Upper

62 100

98 9.6 7.7 11.5

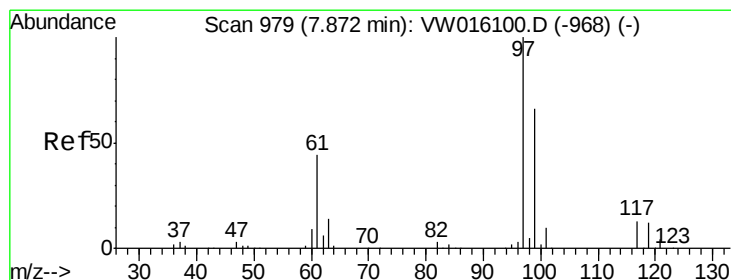
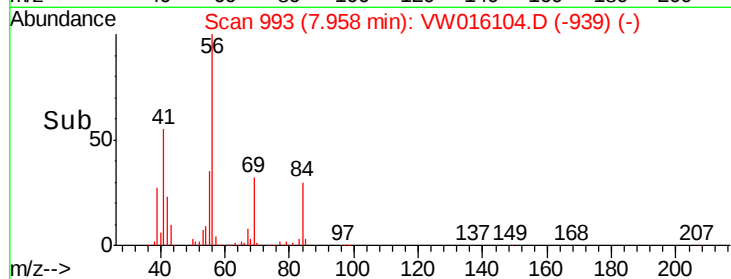
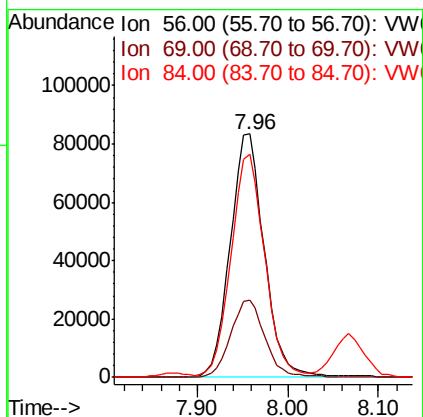
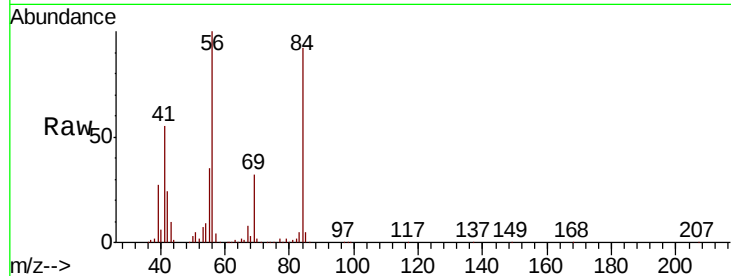




#30
Cvclohexane
Concen: 25.451 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW016104.D
Acq: 10 Aug 2020 14:47

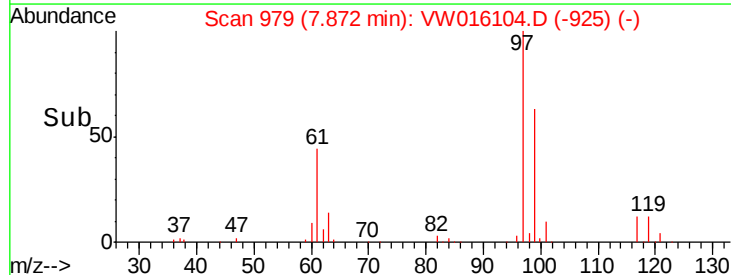
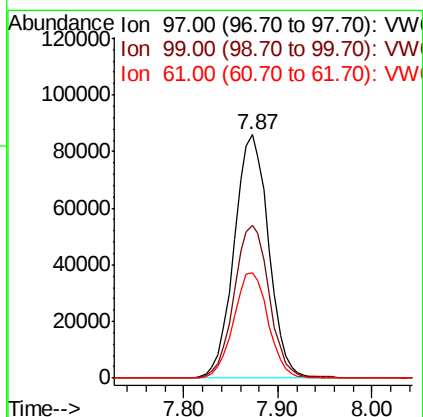
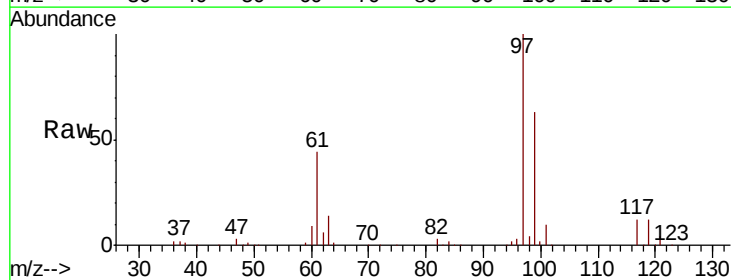
Instrument :
MSVOA_W
ClientSampled :
VSTD02530

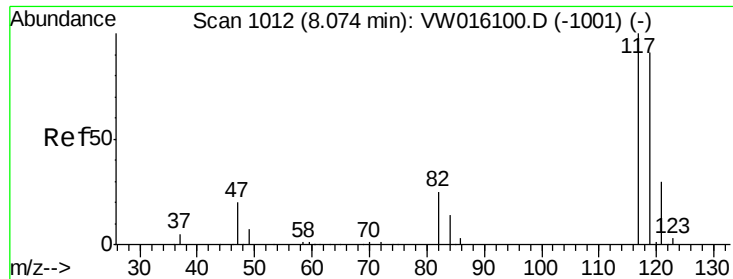
Tot Ion: 56 Resp: 217212
Ion Ratio Lower Upper
56 100
69 31.8 25.4 38.0
84 90.6 73.0 109.6



#31
1,1,1-Trichloroethane
Concen: 24.343 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW016104.D
Acq: 10 Aug 2020 14:47

Tgt Ion: 97 Resp: 219406
Ion Ratio Lower Upper
97 100
99 63.8 51.6 77.4
61 43.7 34.5 51.7





#32

Carbon tetrachloride

Concen: 24.649 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW016104.D

Acq: 10 Aug 2020 14:47

Instrument :

MSVOA_W

ClientSampleId :

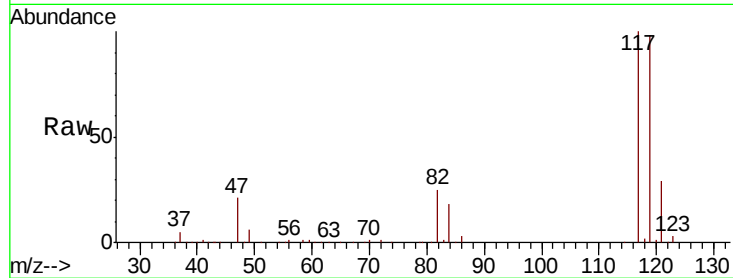
VSTD02530

Tot Ion:117 Resp: 210121

Ion Ratio Lower Upper

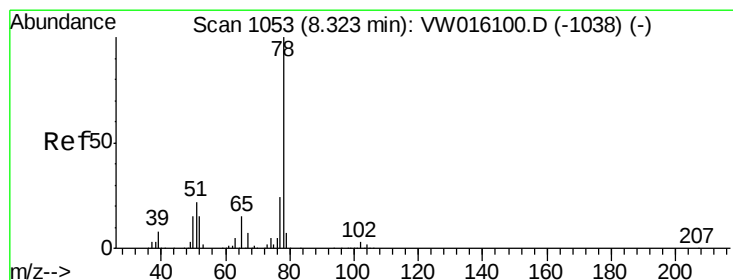
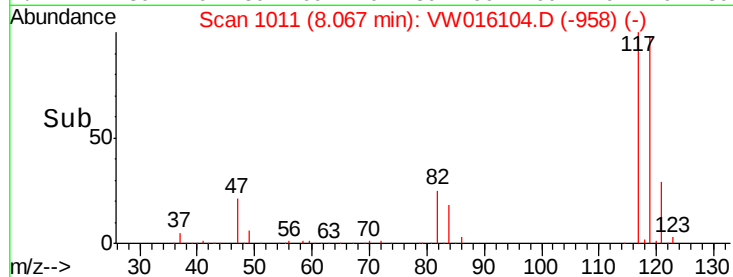
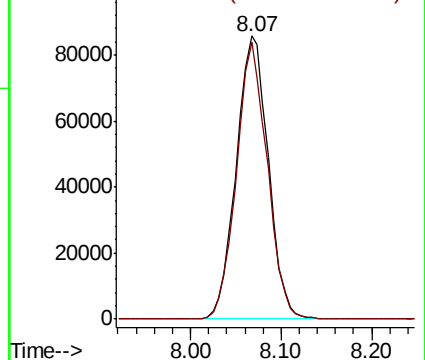
117 100

119 94.1 75.2 112.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.174 ug/L

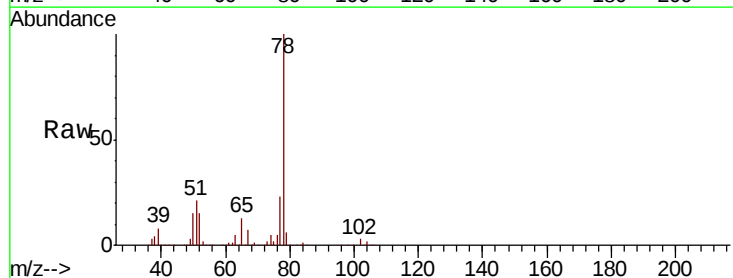
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

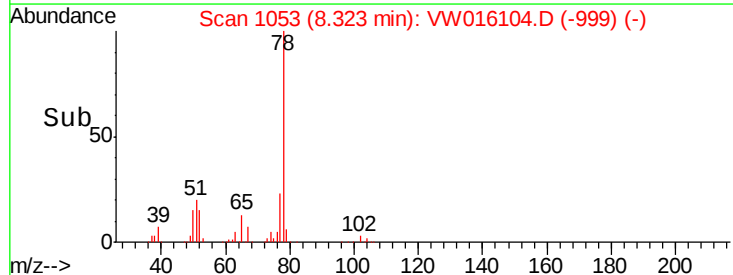
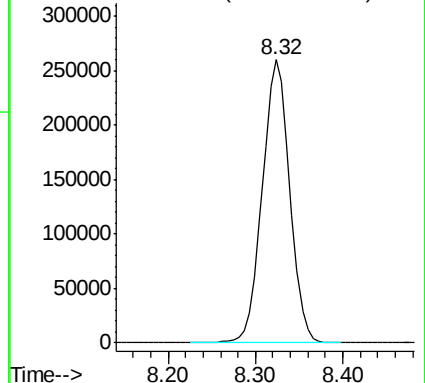
Lab File: VW016104.D

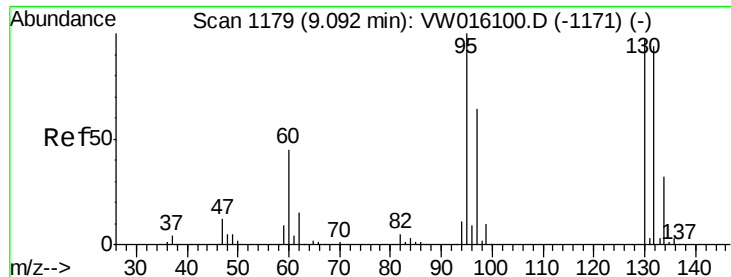
Acq: 10 Aug 2020 14:47

Tgt Ion: 78 Resp: 569408



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.376 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW016104.D

Acq: 10 Aug 2020 14:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

Tot Ion: 95 Resp: 148256

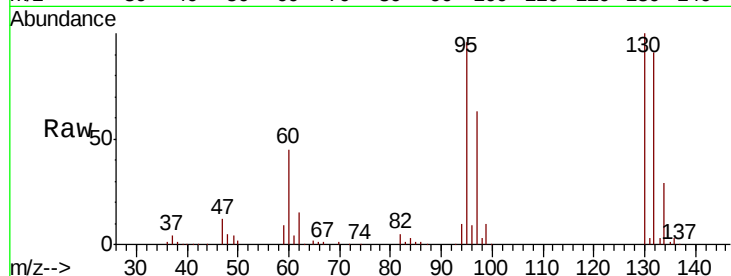
Ion Ratio Lower Upper

95 100

97 64.6 44.9 83.3

132 94.8 65.8 122.2

130 100.8 69.5 129.1



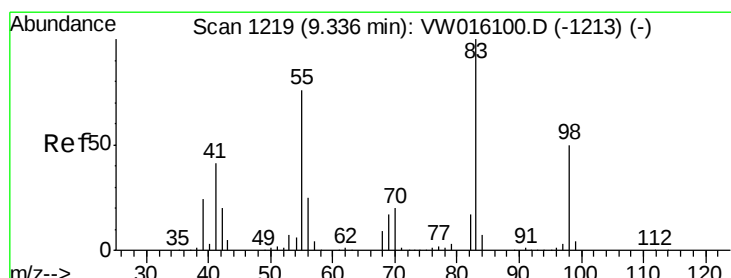
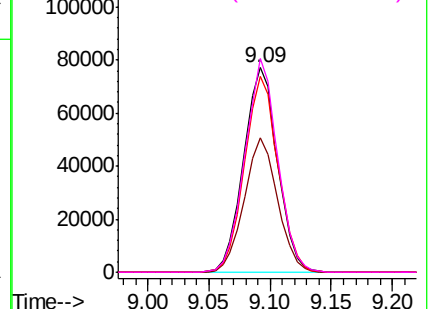
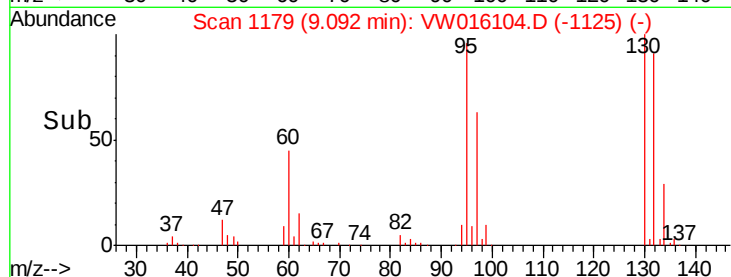
Abundance

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: 25.200 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW016104.D

Acq: 10 Aug 2020 14:47

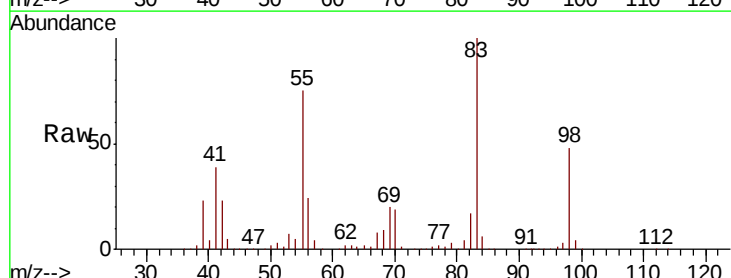
Tgt Ion: 83 Resp: 252484

Ion Ratio Lower Upper

83 100

55 74.9 60.7 91.1

98 49.6 39.4 59.0

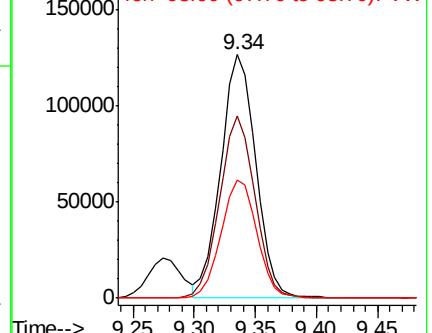
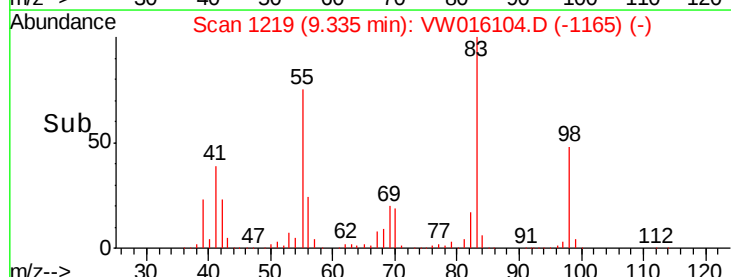


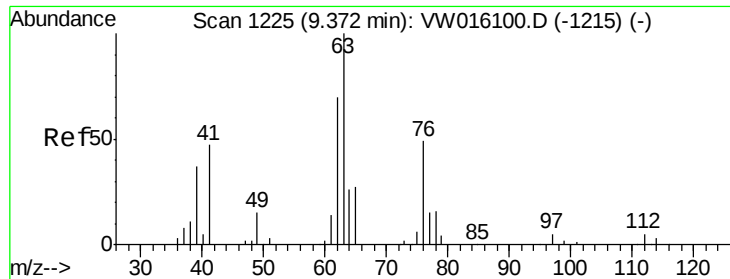
Abundance

Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

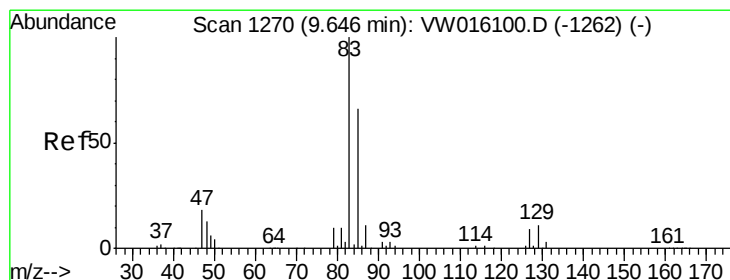
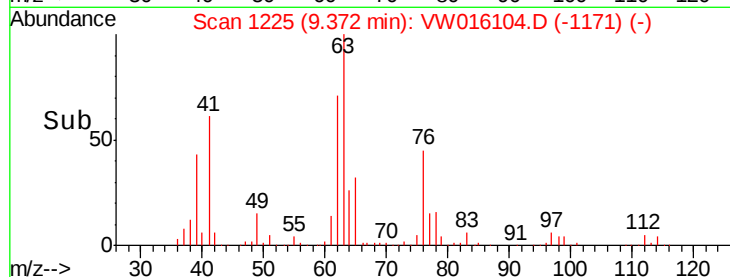
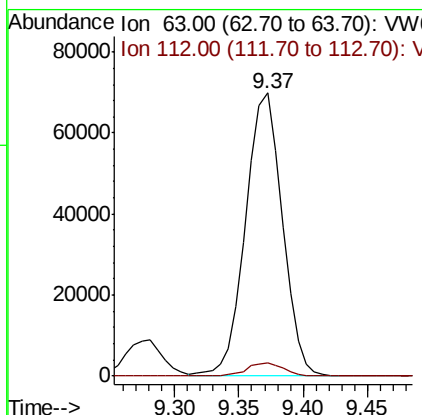
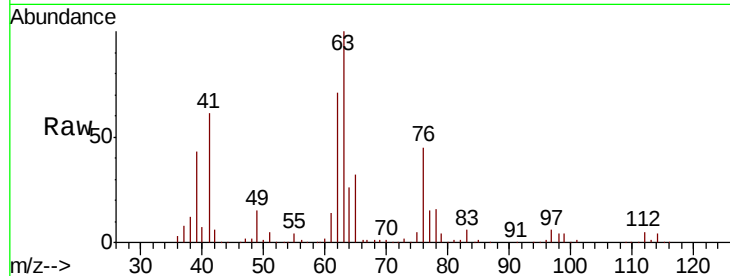




#40
 1,2-Dichloropropane
 Concen: 24.985 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW016104.D
 Acq: 10 Aug 2020 14:47

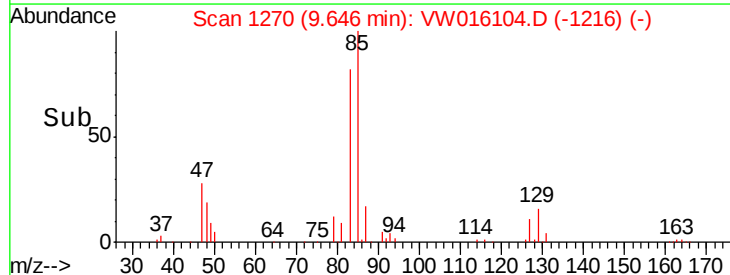
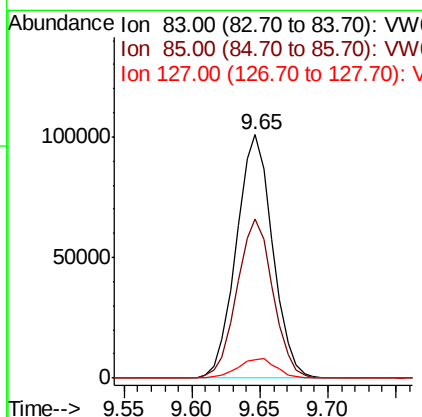
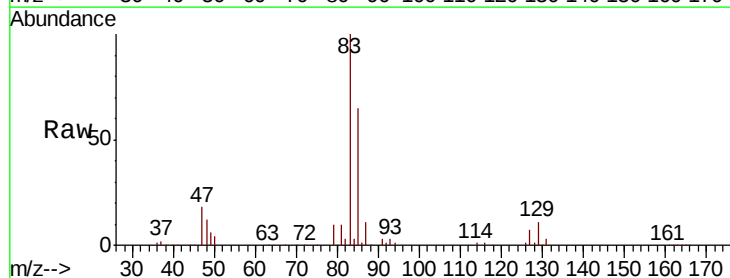
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

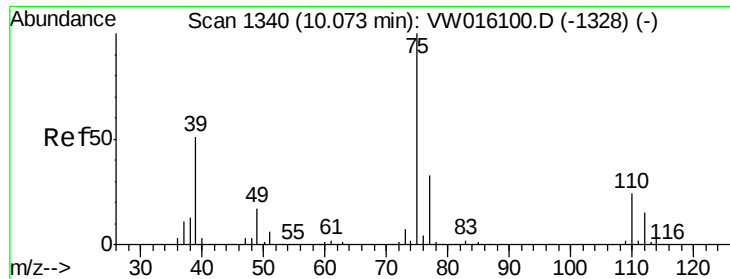
Tot Ion: 63 Resp: 138780
 Ion Ratio Lower Upper
 63 100
 112 4.7 4.0 6.0



#41
 Bromodichloromethane
 Concen: 24.575 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW016104.D
 Acq: 10 Aug 2020 14:47

Tgt Ion: 83 Resp: 187516
 Ion Ratio Lower Upper
 83 100
 85 65.4 46.1 85.5
 127 7.4 7.2 10.8





#42

cis-1,3-Dichloropropene

Concen: 25.947 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW016104.D

Acq: 10 Aug 2020 14:47

Instrument :

MSVOA_W

ClientSampled :

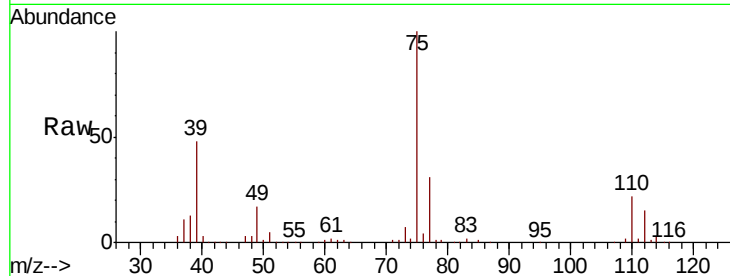
VSTD02530

Tot Ion: 75 Resp: 219492

Ion Ratio Lower Upper

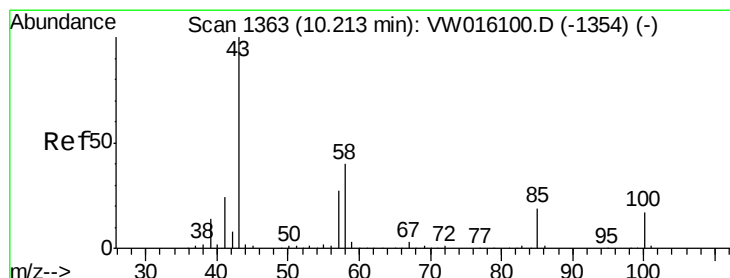
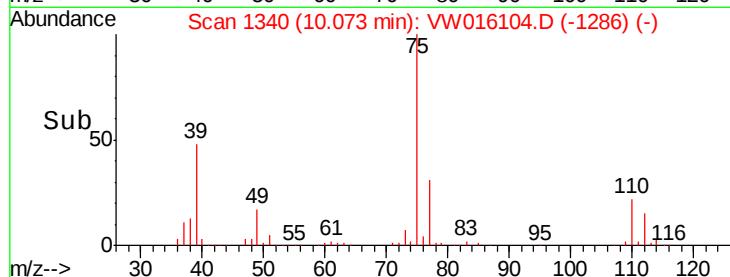
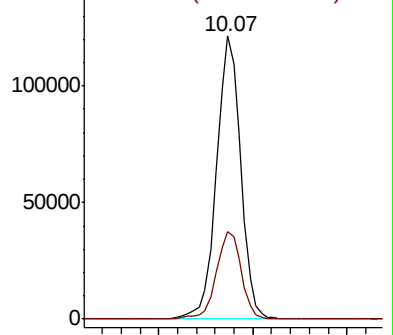
75 100

77 31.0 22.9 42.5



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#43

4-Methyl-2-pentanone

Concen: 52.029 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW016104.D

Acq: 10 Aug 2020 14:47

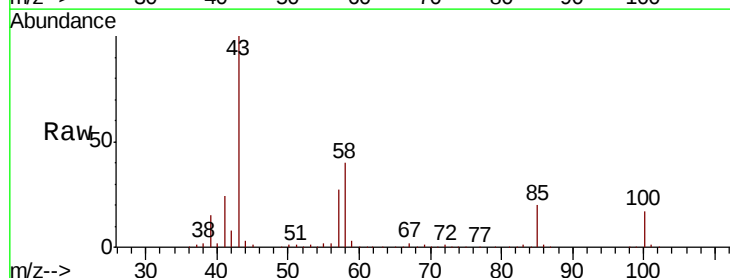
Tgt Ion: 43 Resp: 173827

Ion Ratio Lower Upper

43 100

58 40.5 32.1 48.1

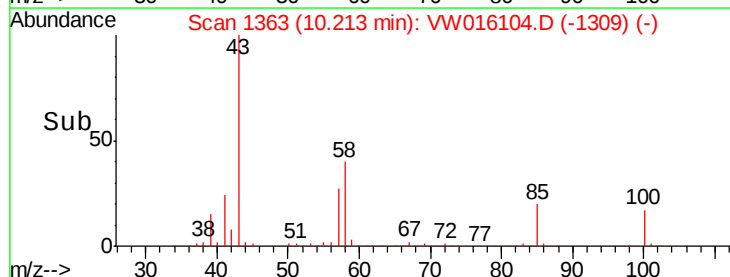
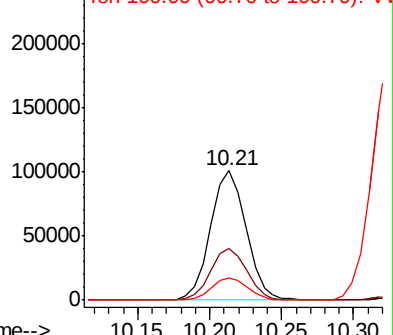
100 17.4 13.8 20.8

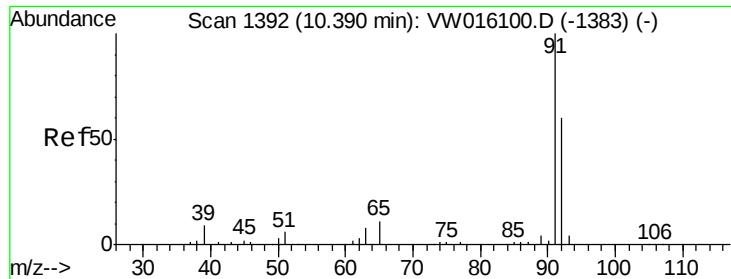


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





#44

Toluene

Concen: 25.619 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016104.D

Acq: 10 Aug 2020 14:47

Instrument :

MSVOA_W

ClientSampleId :

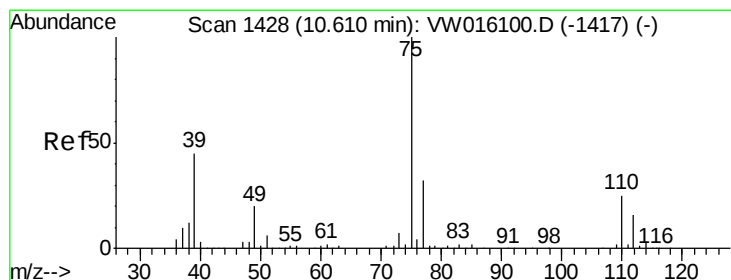
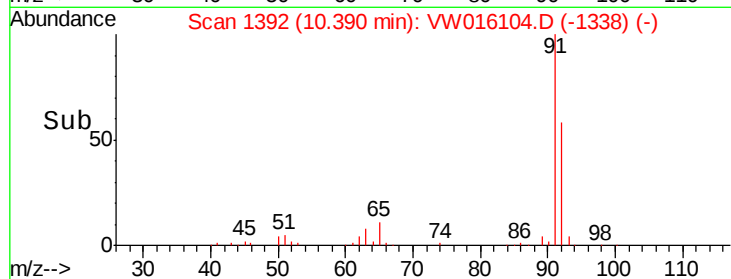
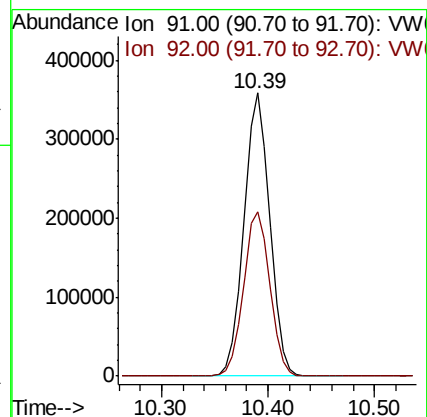
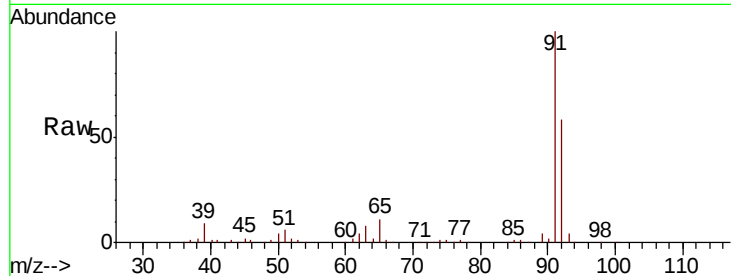
VSTD02530

Tot Ion: 91 Resp: 611706

Ion Ratio Lower Upper

91 100

92 57.9 41.8 77.6



#45

trans-1,3-Dichloropropene

Concen: 25.549 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016104.D

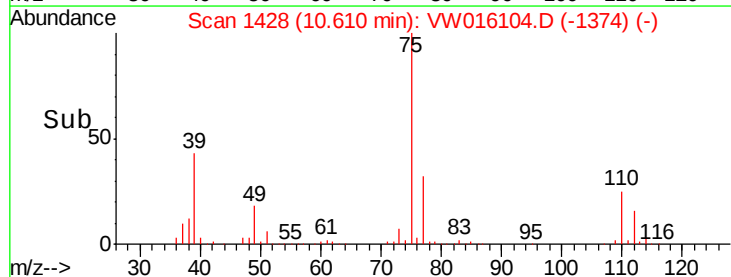
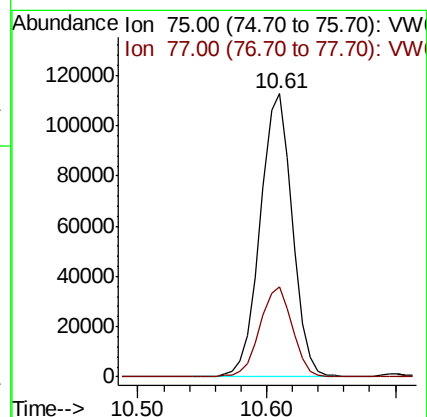
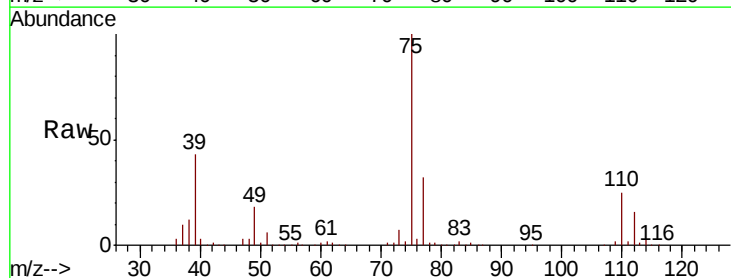
Acq: 10 Aug 2020 14:47

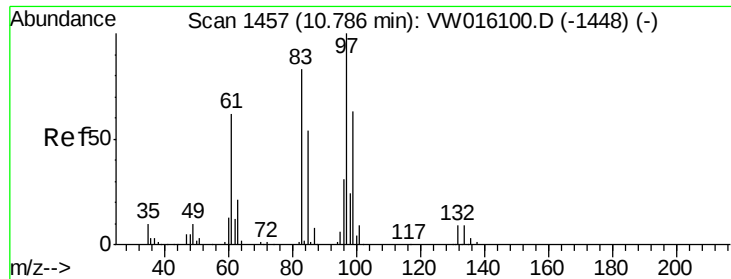
Tgt Ion: 75 Resp: 194149

Ion Ratio Lower Upper

75 100

77 31.7 22.7 42.1

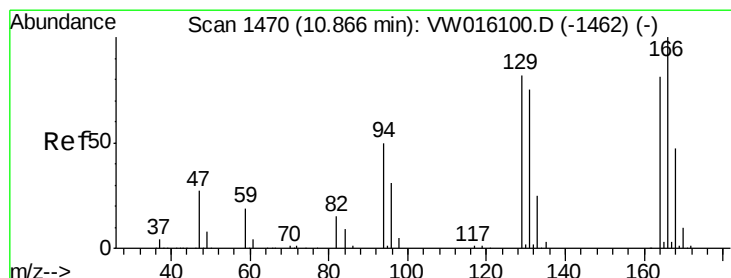
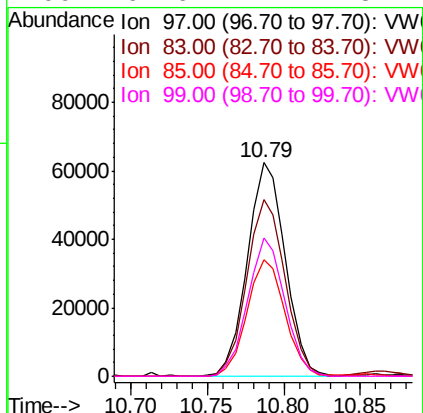
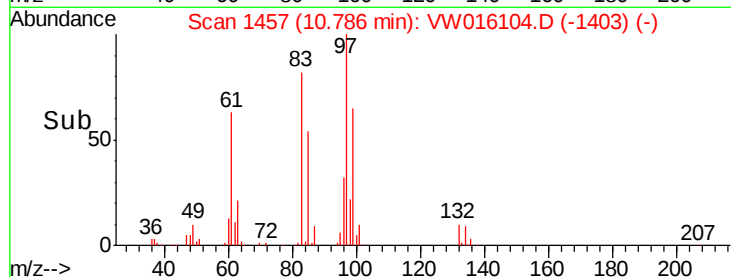
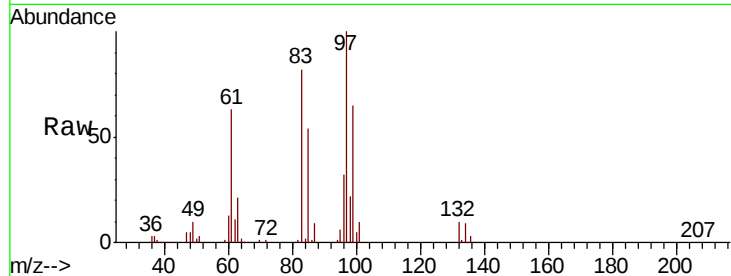




#46
1,1,2-Trichloroethane
Concen: 24.520 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW016104.D
Acq: 10 Aug 2020 14:47

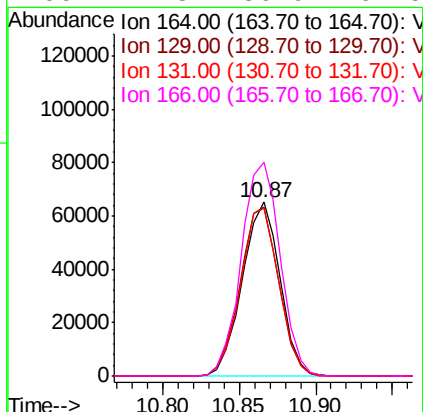
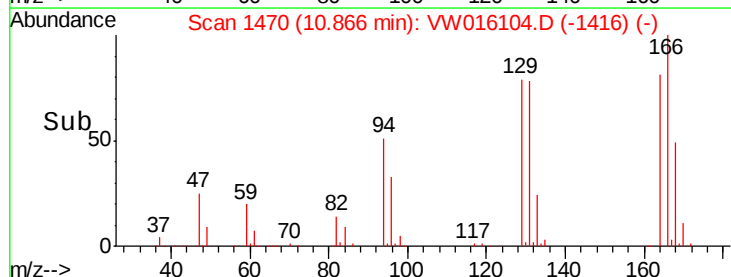
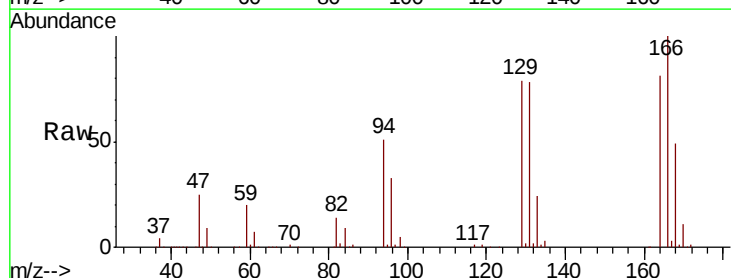
Instrument :
MSVOA_W
ClientSampled :
VSTD02530

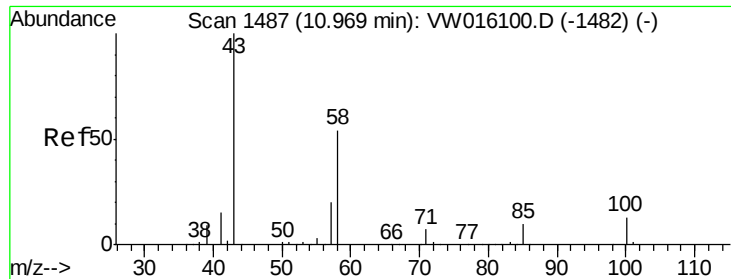
Tot Ion:	97	Resp:	107209
Ion	Ratio	Lower	Upper
97	100		
83	82.4	57.8	107.4
85	54.4	38.0	70.6
99	64.6	44.4	82.4



#47
Tetrachloroethene
Concen: 24.416 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW016104.D
Acq: 10 Aug 2020 14:47

Tgt Ion:	164	Resp:	111327
Ion	Ratio	Lower	Upper
164	100		
129	97.2	71.5	132.9
131	96.0	65.4	121.4
166	122.8	86.9	161.5

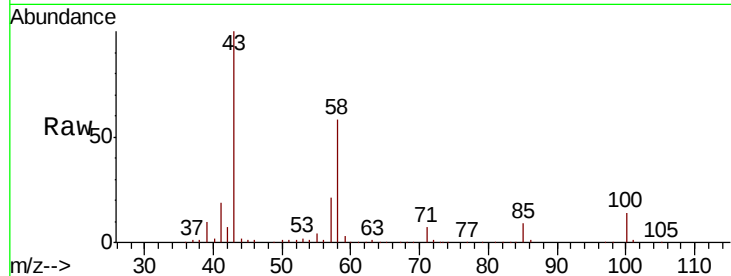




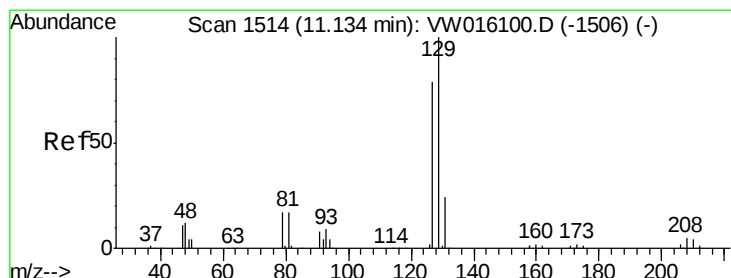
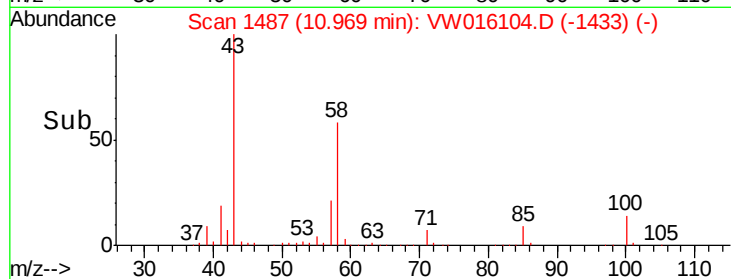
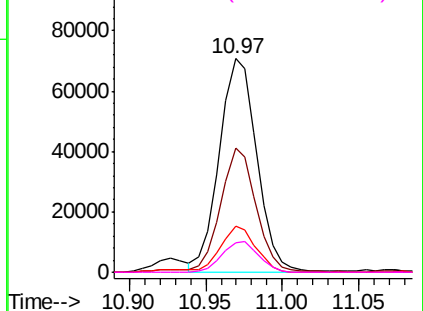
#49
2-Hexanone
Concen: 53.723 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW016104.D
Acq: 10 Aug 2020 14:47

Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

Tot Ion:	43	Resp:	121112
Ion	Ratio	Lower	Upper
43	100		
58	54.7	44.2	66.2
57	19.8	15.8	23.6
100	14.1	10.8	16.2

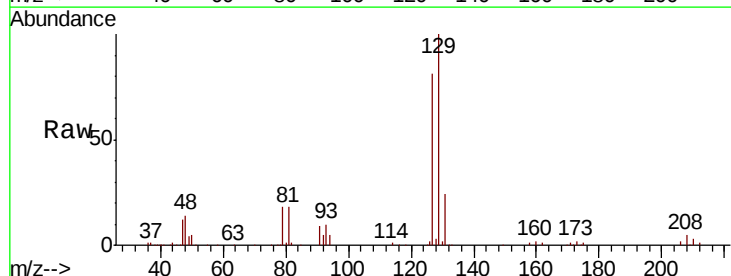


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

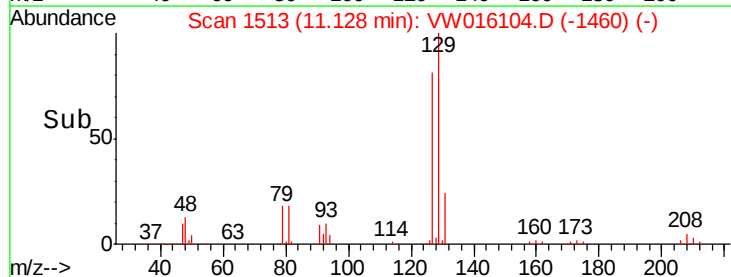
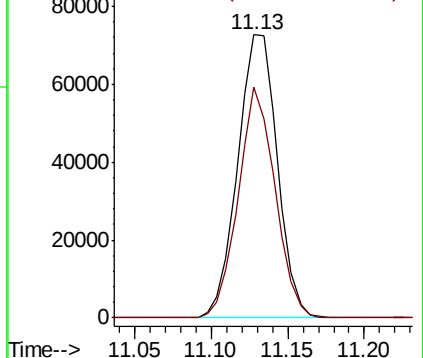


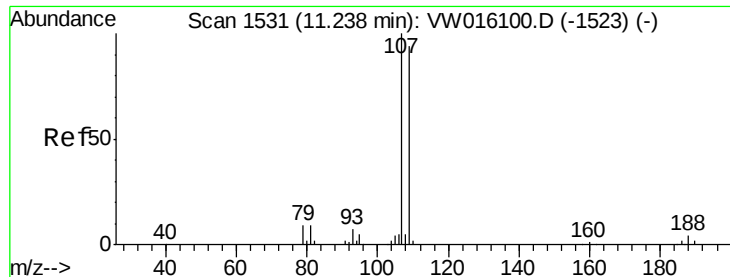
#50
Dibromochloromethane
Concen: 25.426 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW016104.D
Acq: 10 Aug 2020 14:47

Tgt Ion:	129	Resp:	130936
Ion	Ratio	Lower	Upper
129	100		
127	81.4	55.4	102.8



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

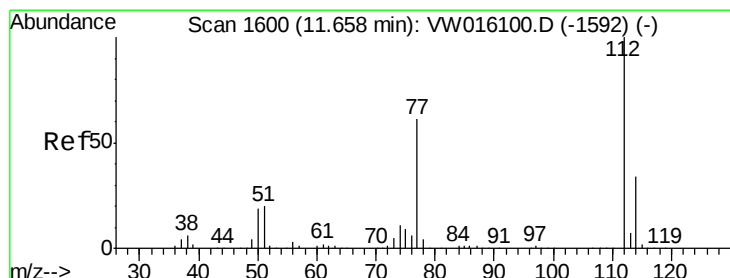
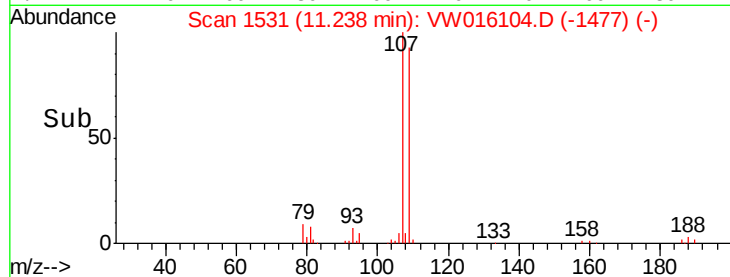
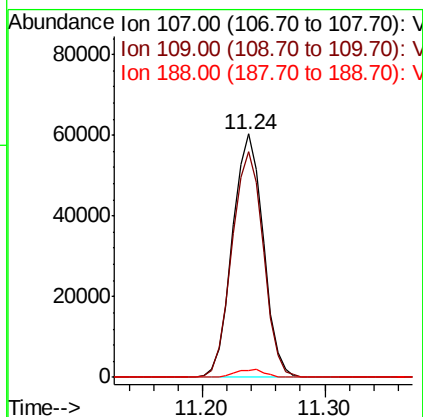
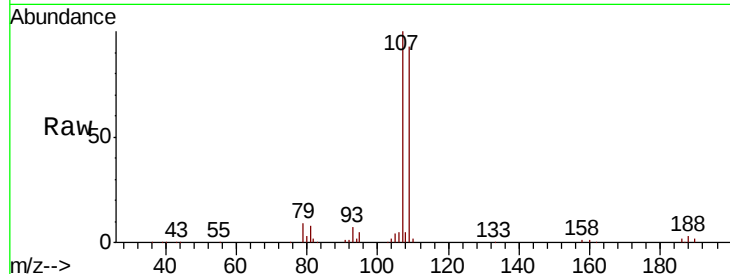




#51
1,2-Dibromoethane
Concen: 25.373 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW016104.D
Acq: 10 Aug 2020 14:47

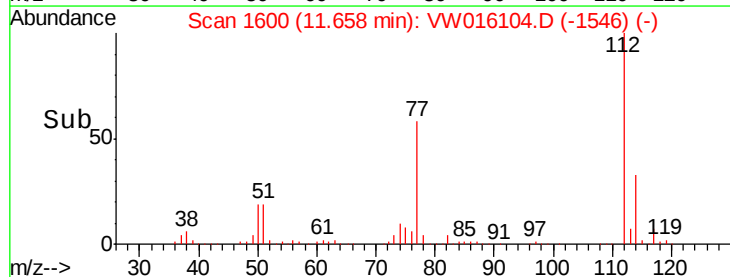
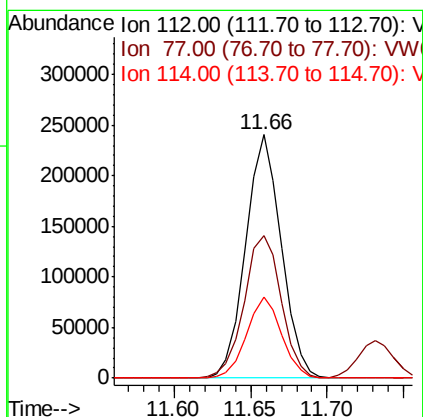
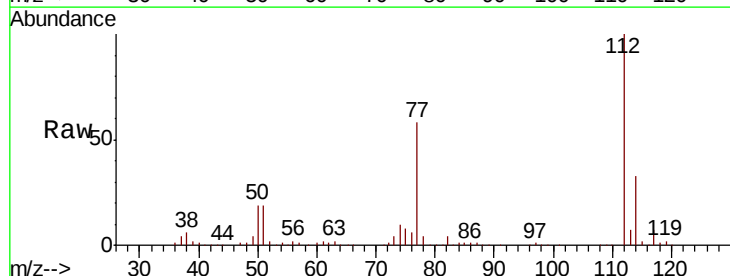
Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

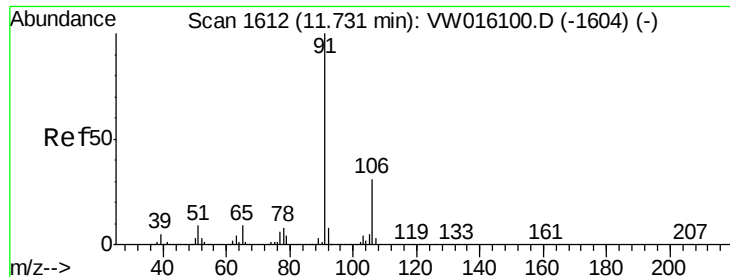
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.9	66.0	122.6
188	2.8	2.8	4.2



#52
Chlorobenzene
Concen: 24.603 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW016104.D
Acq: 10 Aug 2020 14:47

Tgt Ion	Ratio	Lower	Upper
112	100		
77	58.4	49.1	73.7
114	33.2	23.5	43.7





#53

Ethylbenzene

Concen: 25.411 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW016104.D

Acq: 10 Aug 2020 14:47

Instrument :

MSVOA_W

ClientSampleId :

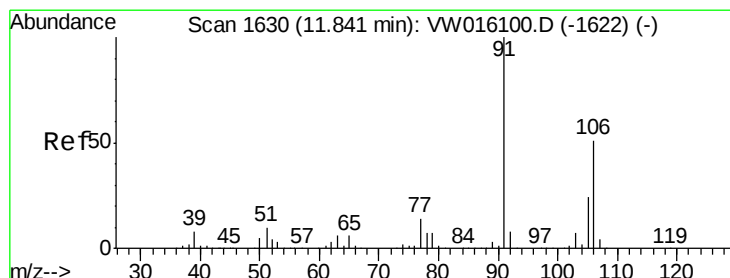
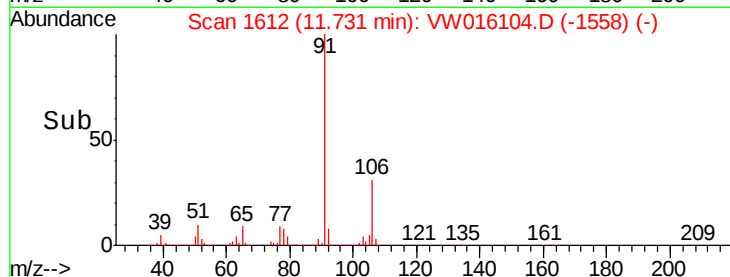
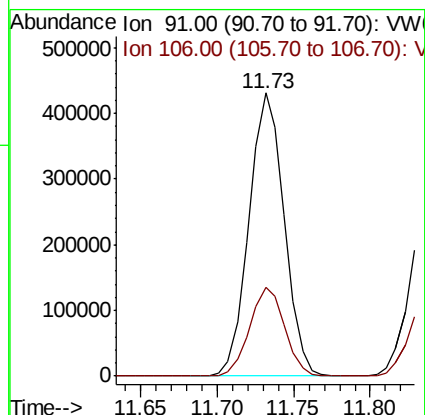
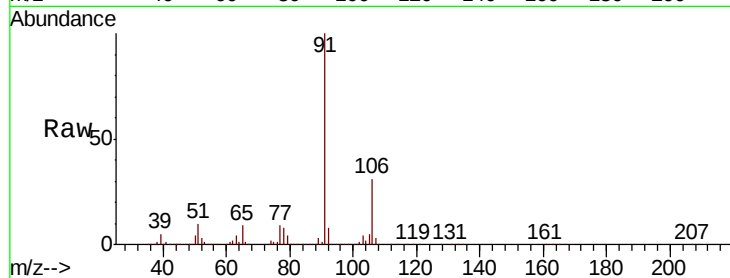
VSTD02530

Tot Ion: 91 Resp: 688402

Ion Ratio Lower Upper

91 100

106 31.2 21.8 40.4



#54

m,p-Xylene

Concen: 25.673 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW016104.D

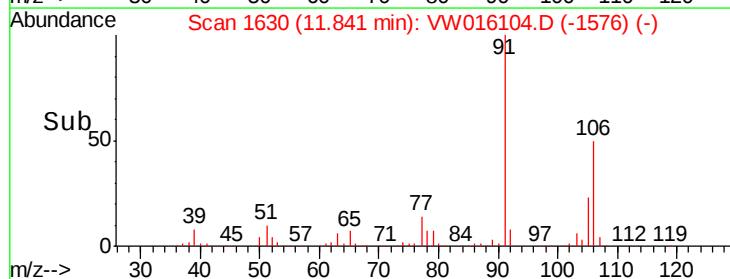
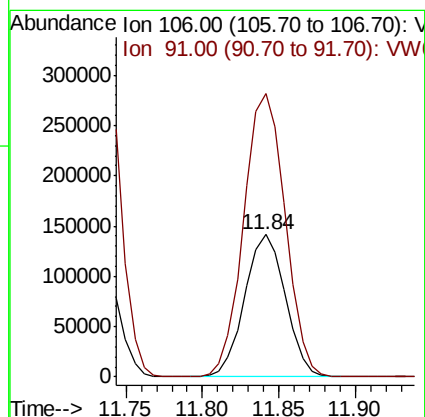
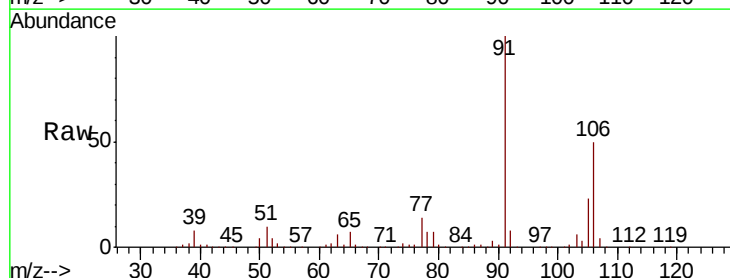
Acq: 10 Aug 2020 14:47

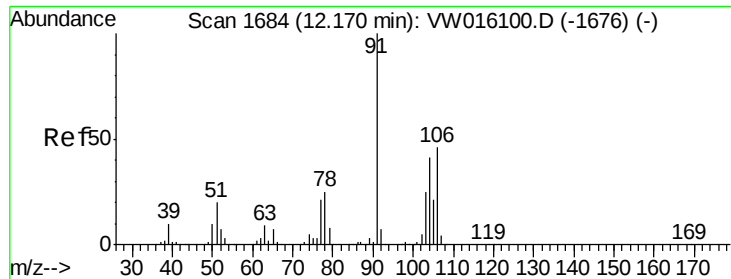
Tgt Ion: 106 Resp: 261623

Ion Ratio Lower Upper

106 100

91 198.8 136.4 253.2

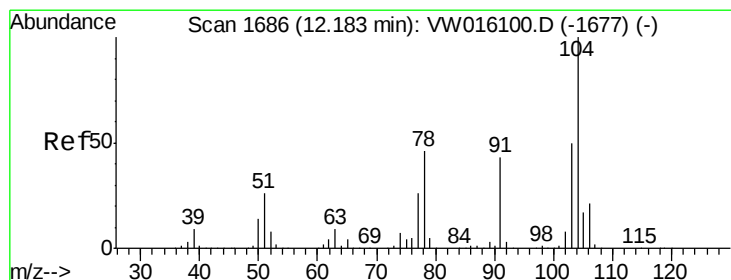
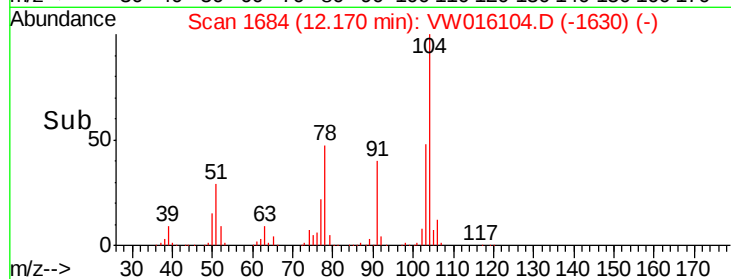
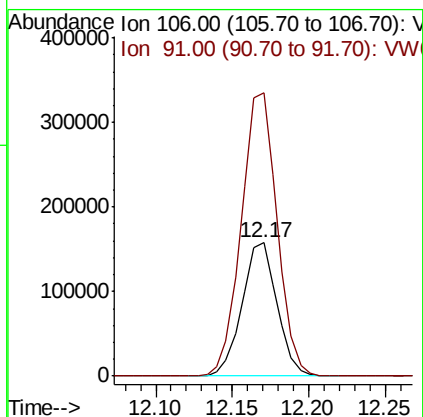
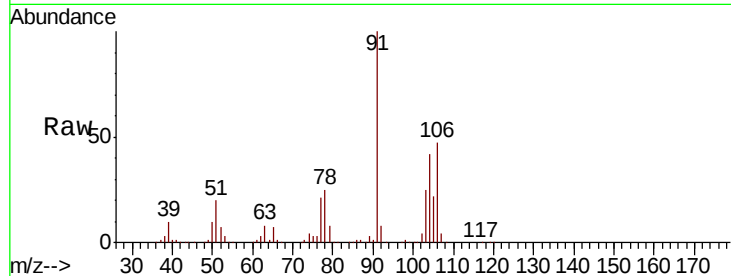




#55
o-xylene
Concen: 25.976 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW016104.D
Acq: 10 Aug 2020 14:47

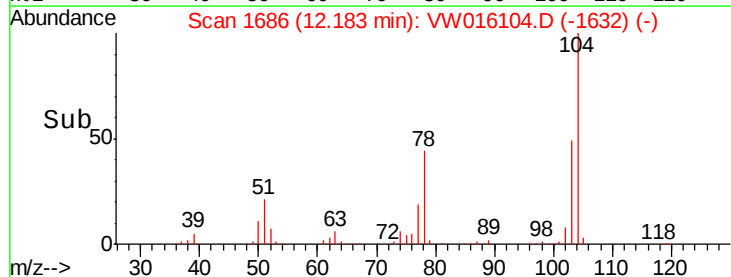
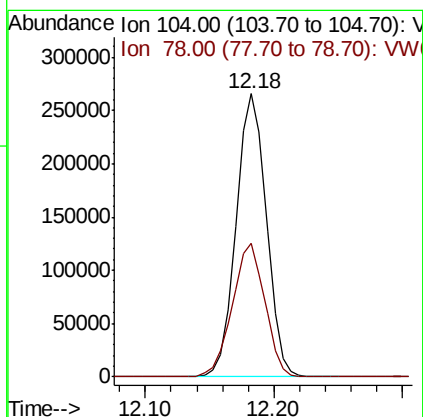
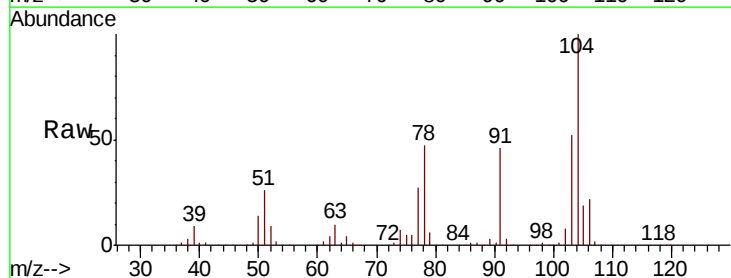
Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

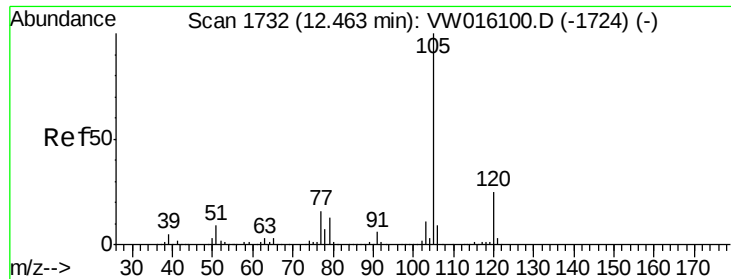
Tot Ion:106 Resp: 249337
Ion Ratio Lower Upper
106 100
91 212.3 151.3 281.1



#56
Styrene
Concen: 26.014 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW016104.D
Acq: 10 Aug 2020 14:47

Tgt Ion:104 Resp: 432309
Ion Ratio Lower Upper
104 100
78 47.4 32.0 59.4





#57

Isopropylbenzene

Concen: 25.915 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016104.D

Acq: 10 Aug 2020 14:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

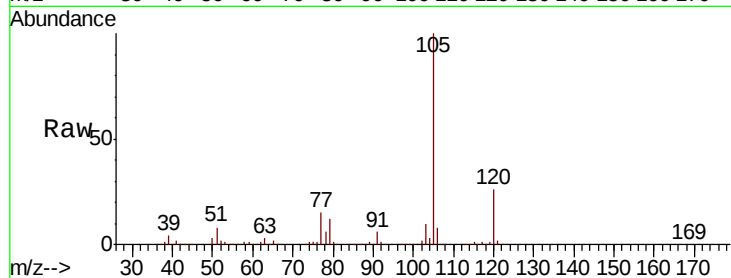
Tot Ion:105 Resp: 670665

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.4

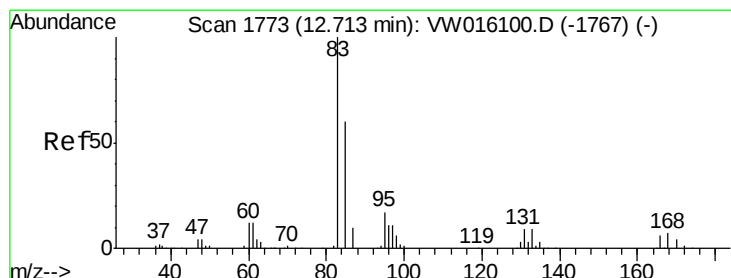
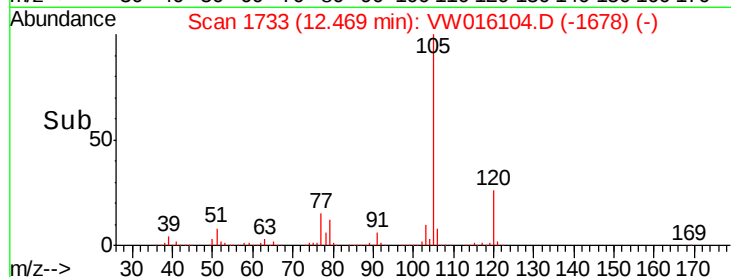
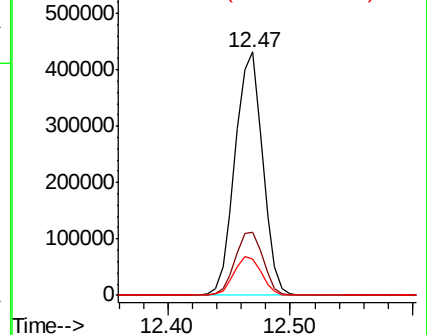
77 15.9 12.6 18.8



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: 26.224 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW016104.D

Acq: 10 Aug 2020 14:47

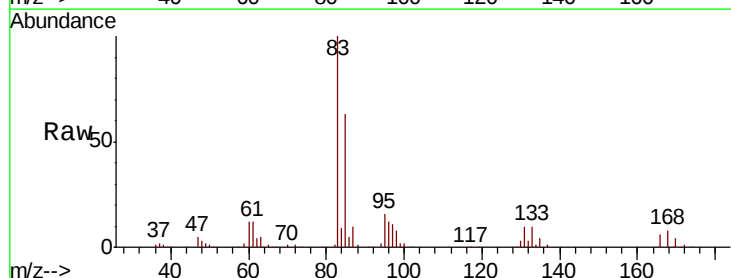
Tgt Ion: 83 Resp: 133783

Ion Ratio Lower Upper

83 100

85 63.4 42.4 78.8

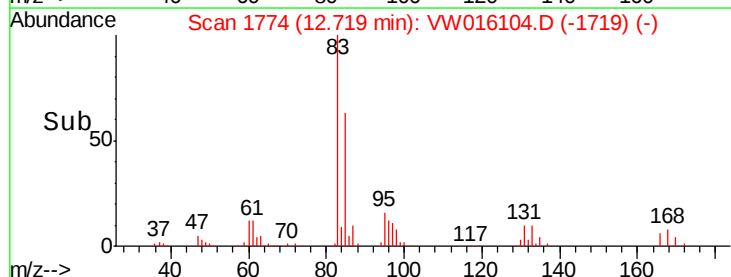
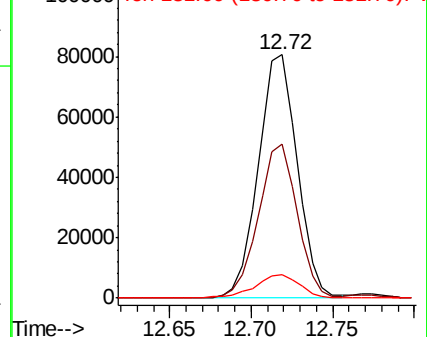
131 9.6 7.8 11.8

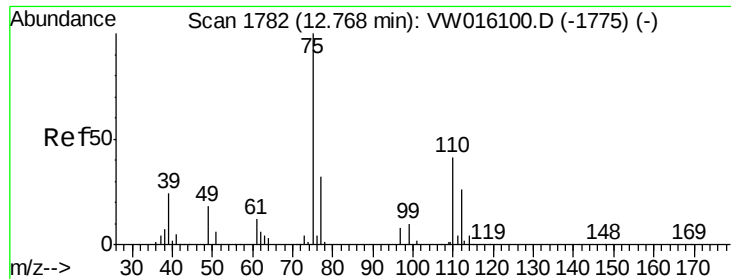


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.028 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW016104.D

Acq: 10 Aug 2020 14:47

Instrument :

MSVOA_W

ClientSampleId :

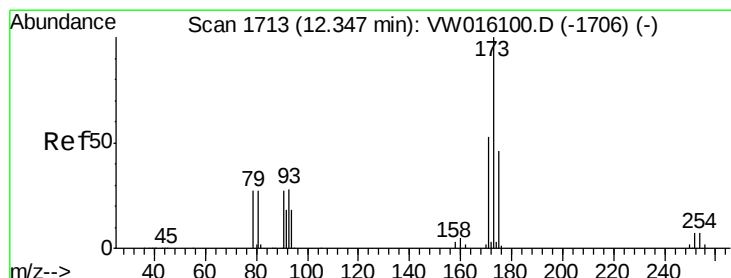
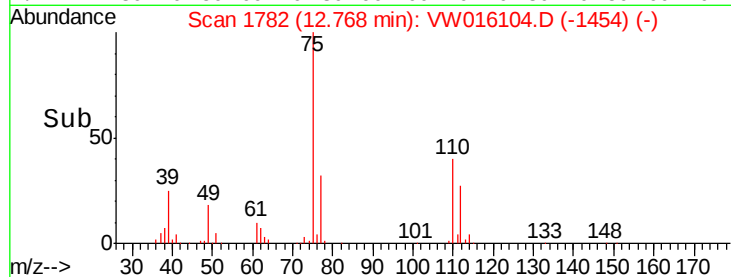
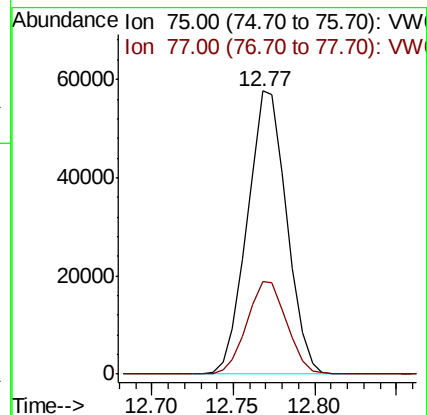
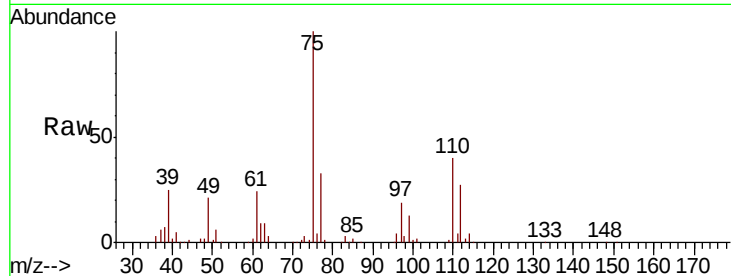
VSTD02530

Tot Ion: 75 Resp: 96732

Ion Ratio Lower Upper

75 100

77 33.0 25.9 38.9



#62

Bromoform

Concen: 25.333 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW016104.D

Acq: 10 Aug 2020 14:47

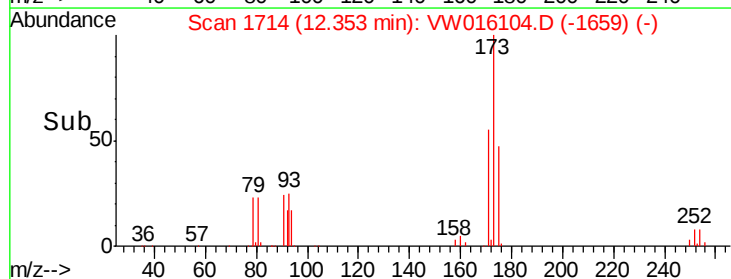
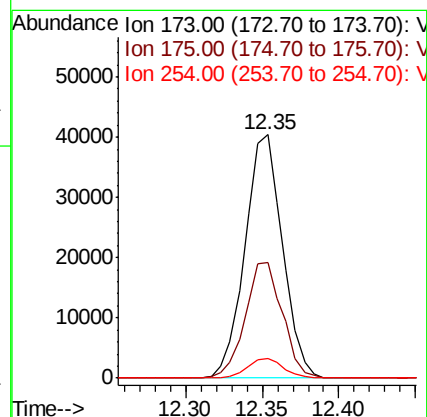
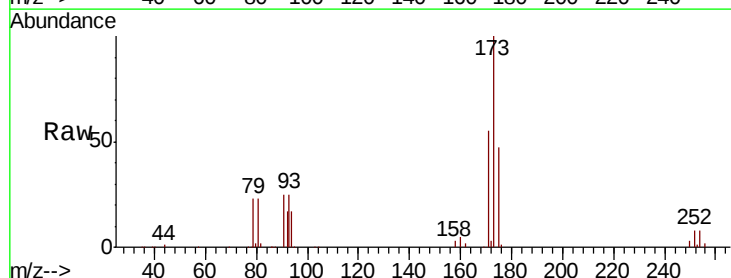
Tgt Ion:173 Resp: 68910

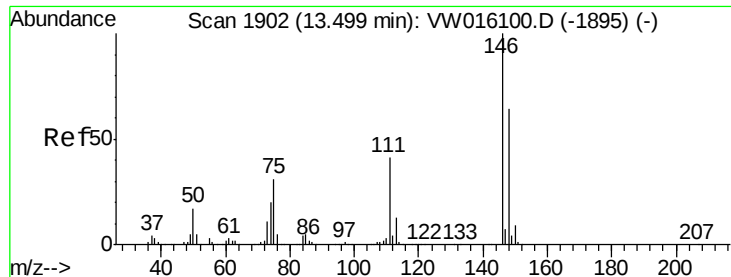
Ion Ratio Lower Upper

173 100

175 47.1 37.8 56.6

254 7.8 6.8 10.2

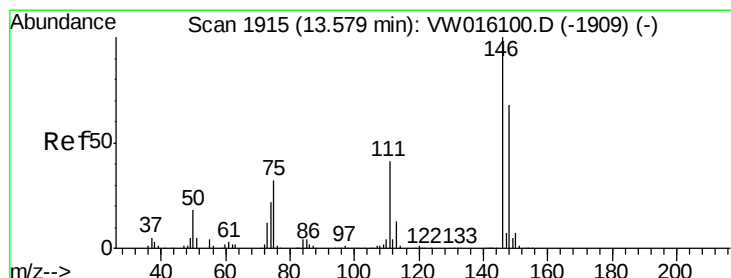
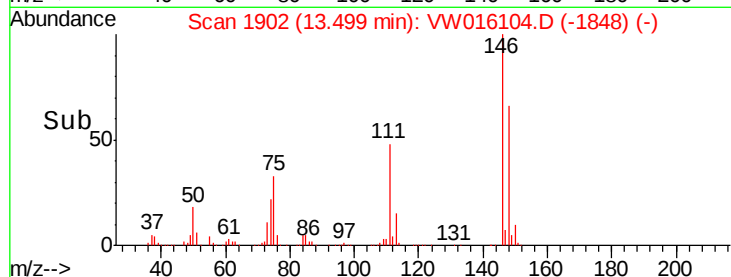
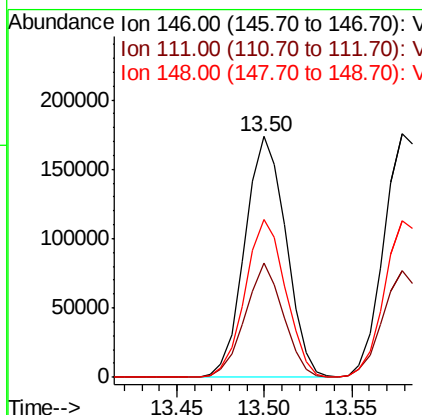
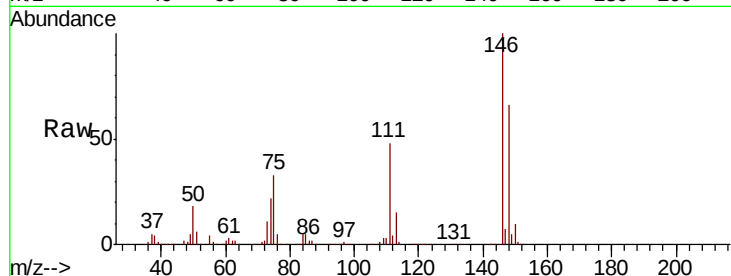




#63
 1,3-Dichlorobenzene
 Concen: 25.000 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW016104.D
 Acq: 10 Aug 2020 14:47

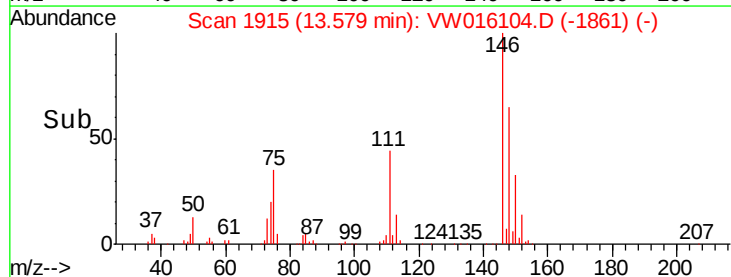
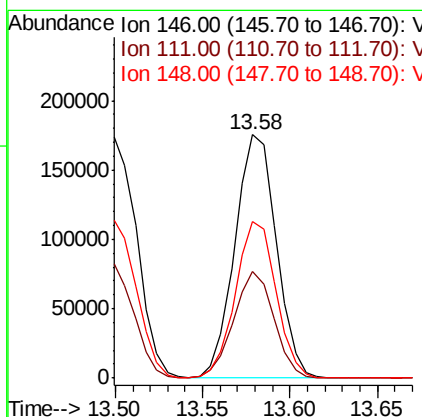
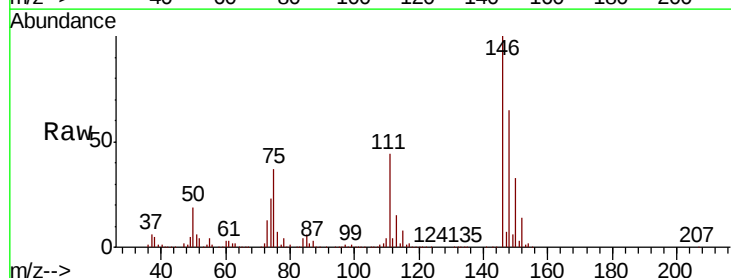
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

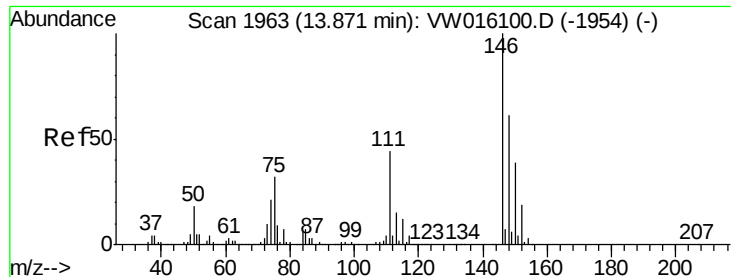
Tot Ion:146 Resp: 284048
 Ion Ratio Lower Upper
 146 100
 111 47.7 28.9 53.7
 148 65.8 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 25.017 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW016104.D
 Acq: 10 Aug 2020 14:47

Tgt Ion:146 Resp: 289559
 Ion Ratio Lower Upper
 146 100
 111 43.7 28.6 53.2
 148 64.5 47.7 88.5

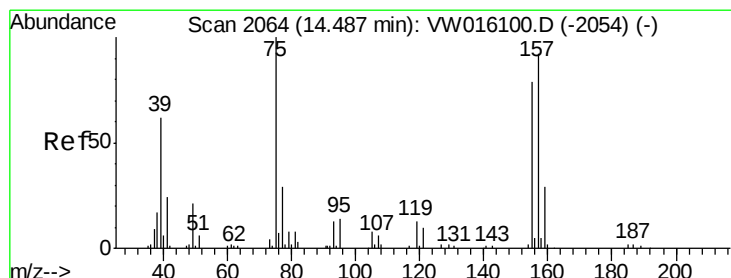
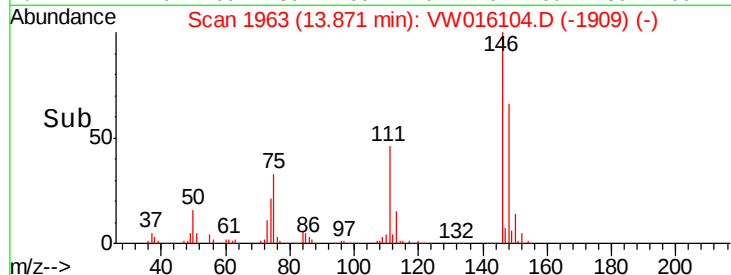
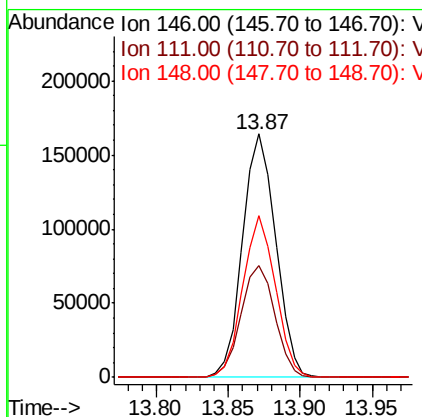
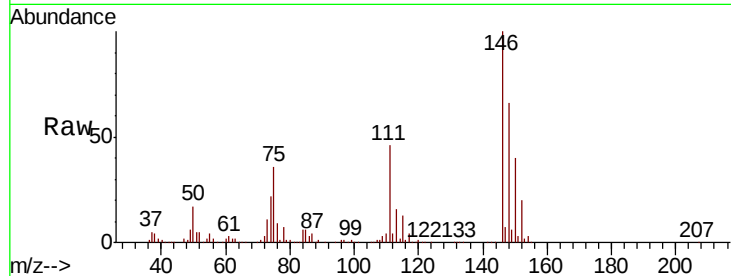




#65
 1,2-Dichlorobenzene
 Concen: 25.188 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW016104.D
 Acq: 10 Aug 2020 14:47

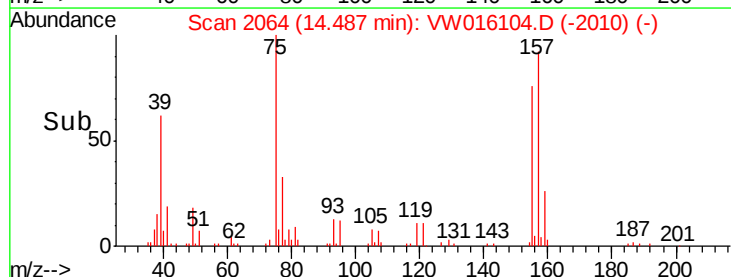
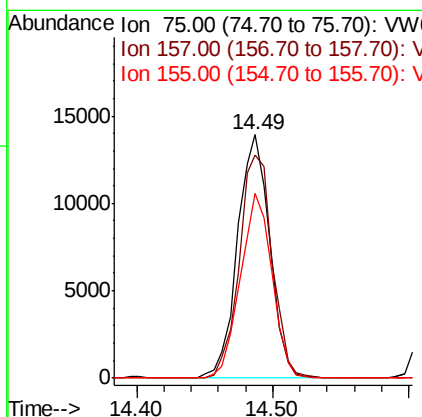
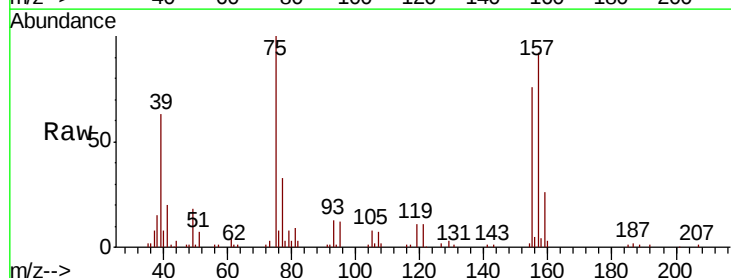
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

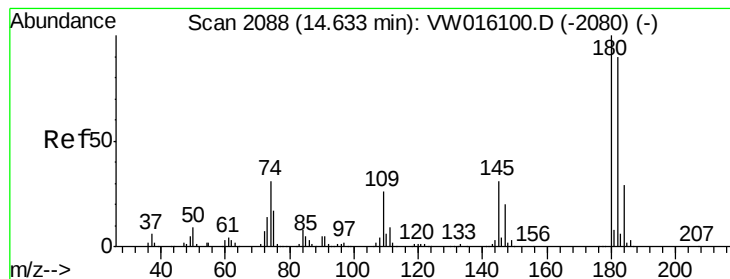
Tot Ion:146 Resp: 262383
 Ion Ratio Lower Upper
 146 100
 111 45.9 35.3 52.9
 148 66.3 49.0 73.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.189 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW016104.D
 Acq: 10 Aug 2020 14:47

Tgt Ion: 75 Resp: 23009
 Ion Ratio Lower Upper
 75 100
 157 91.6 73.9 110.9
 155 75.8 63.4 95.2





#67

1,3,5-Trichlorobenzene

Concen: 25.925 ug/L

RT: 14.63 min Scan# 2087

Delta R.T. -0.01 min

Lab File: VW016104.D

Acq: 10 Aug 2020 14:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

Tot Ion:180 Resp: 185863

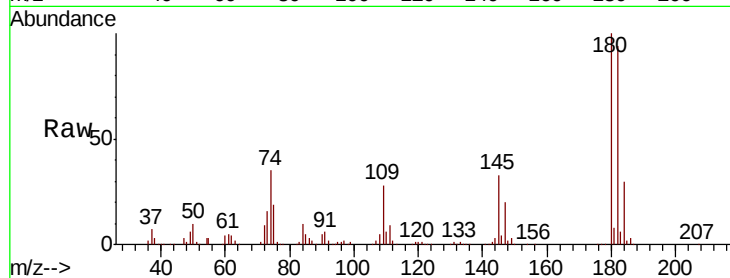
Ion Ratio Lower Upper

180 100

182 95.2 76.3 114.5

184 30.6 25.1 37.7

145 33.1 26.9 40.3

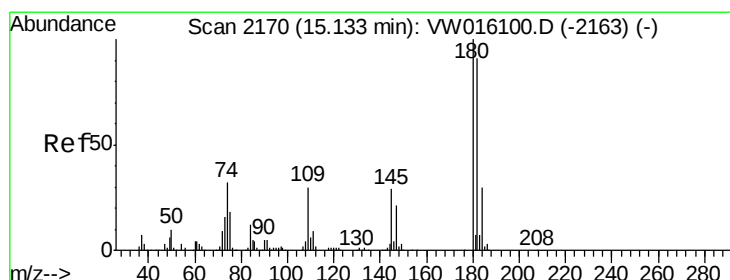
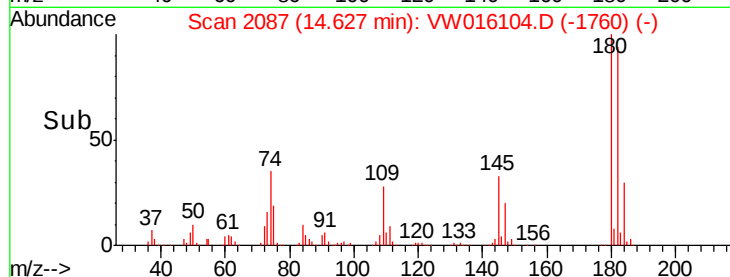
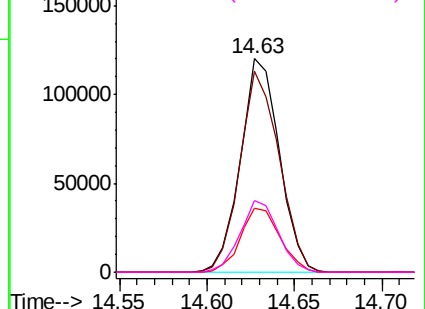


Abundance Ion 180.00 (179.70 to 180.70): V

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: 27.243 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VW016104.D

Acq: 10 Aug 2020 14:47

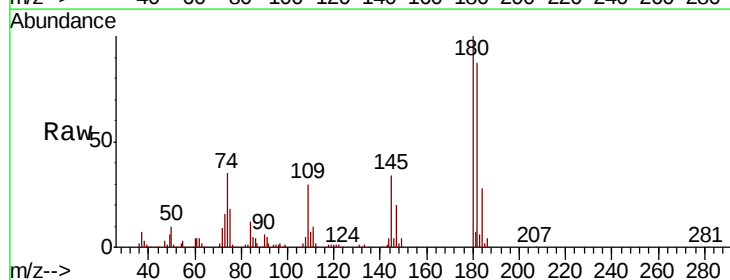
Tgt Ion:180 Resp: 158294

Ion Ratio Lower Upper

180 100

182 91.1 77.8 116.8

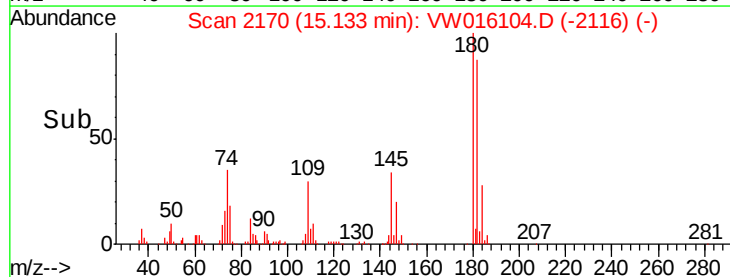
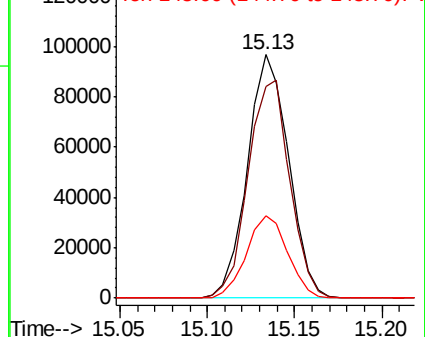
145 33.9 26.5 39.7

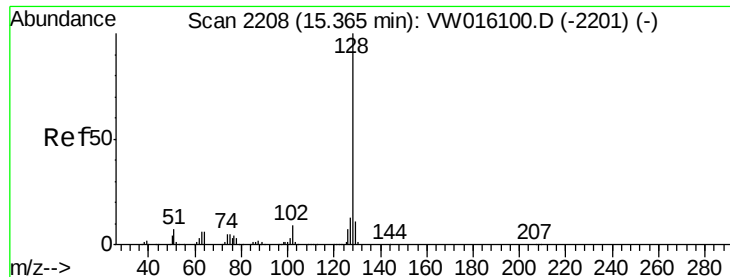


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 29.083 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW016104.D

Acq: 10 Aug 2020 14:47

Instrument :

MSVOA_W

ClientSampled :

VSTD02530

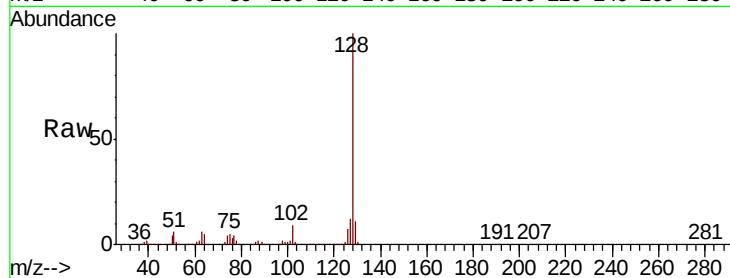
Tot Ion:128 Resp: 356700

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

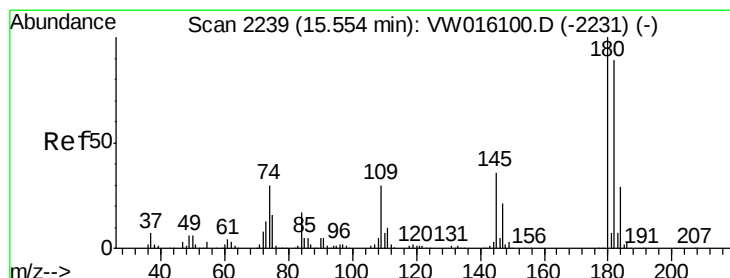
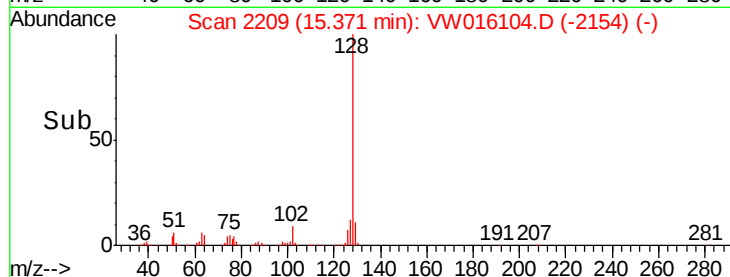
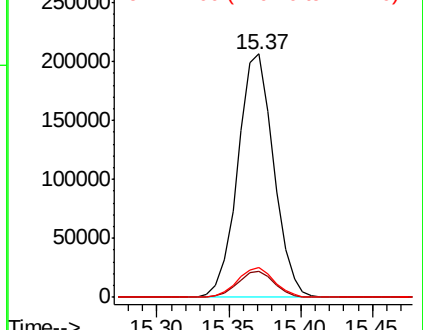
127 12.6 10.3 15.5



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: 27.990 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW016104.D

Acq: 10 Aug 2020 14:47

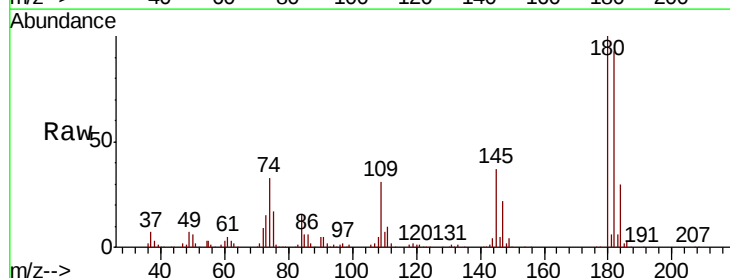
Tgt Ion:180 Resp: 147756

Ion Ratio Lower Upper

180 100

182 91.3 76.0 114.0

145 36.4 29.9 44.9



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

