

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081120\
 Data File : VW016123.D
 Acq On : 11 Aug 2020 07:38
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

Quant Time: Aug 11 16:04:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 11 01:19:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	404767	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	360369	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	162819	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	134850	26.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.48%
7) Chloroethane-d5	2.89	69	100560	26.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.60%
10) 1,1-Dichloroethene-d2	4.01	63	285400	26.78	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	107.12%
20) 2-Butanone-d5	7.09	46	53268	40.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.68%
24) Chloroform-d	7.65	84	266824	24.56	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.24%
26) 1,2-Dichloroethane-d4	8.31	65	129474	22.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.76%
29) Benzene-d6	8.27	84	524905	26.78	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	107.12%
33) 1,2-Dichloropropane-d6	9.27	67	144255	25.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.08%
37) Toluene-d8	10.32	98	482404	26.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	107.32%
38) trans-1,3-Dichloropropene-	10.58	79	62470	24.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.44%
39) 2-Hexanone-d5	10.93	63	44381	44.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.26%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	106913	22.78	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.12%
61) 1,2-Dichlorobenzene-d4	13.85	152	140977	24.43	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.72%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	121253	29.654 ug/L	91
3) Chloromethane	2.21	50	102812	25.319 ug/L	96
5) Vinyl chloride	2.37	62	146039	27.098 ug/L	100
6) Bromomethane	2.79	94	84836	25.134 ug/L	98
8) Chloroethane	2.93	64	78326	25.810 ug/L	92
9) Trichlorofluoromethane	3.26	101	112905	29.350 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	137675	25.324 ug/L	98
12) 1,1-Dichloroethene	4.03	96	135556	26.093 ug/L	98
13) Acetone	4.14	43	42767	42.812 ug/L	72
14) Carbon disulfide	4.37	76	430319	26.388 ug/L	99
16) Methylene chloride	4.91	84	129221	20.218 ug/L	96
17) Methyl tert-butyl Ether	5.43	73	154388	20.971 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	135235	24.747 ug/L	90
19) 1,1-Dichloroethane	6.21	63	227213	23.500 ug/L	99
21) 2-Butanone	7.18	43	58764	37.117 ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	131485	22.808 ug/L	98
23) Bromochloromethane	7.51	128	57225	21.628 ug/L	98

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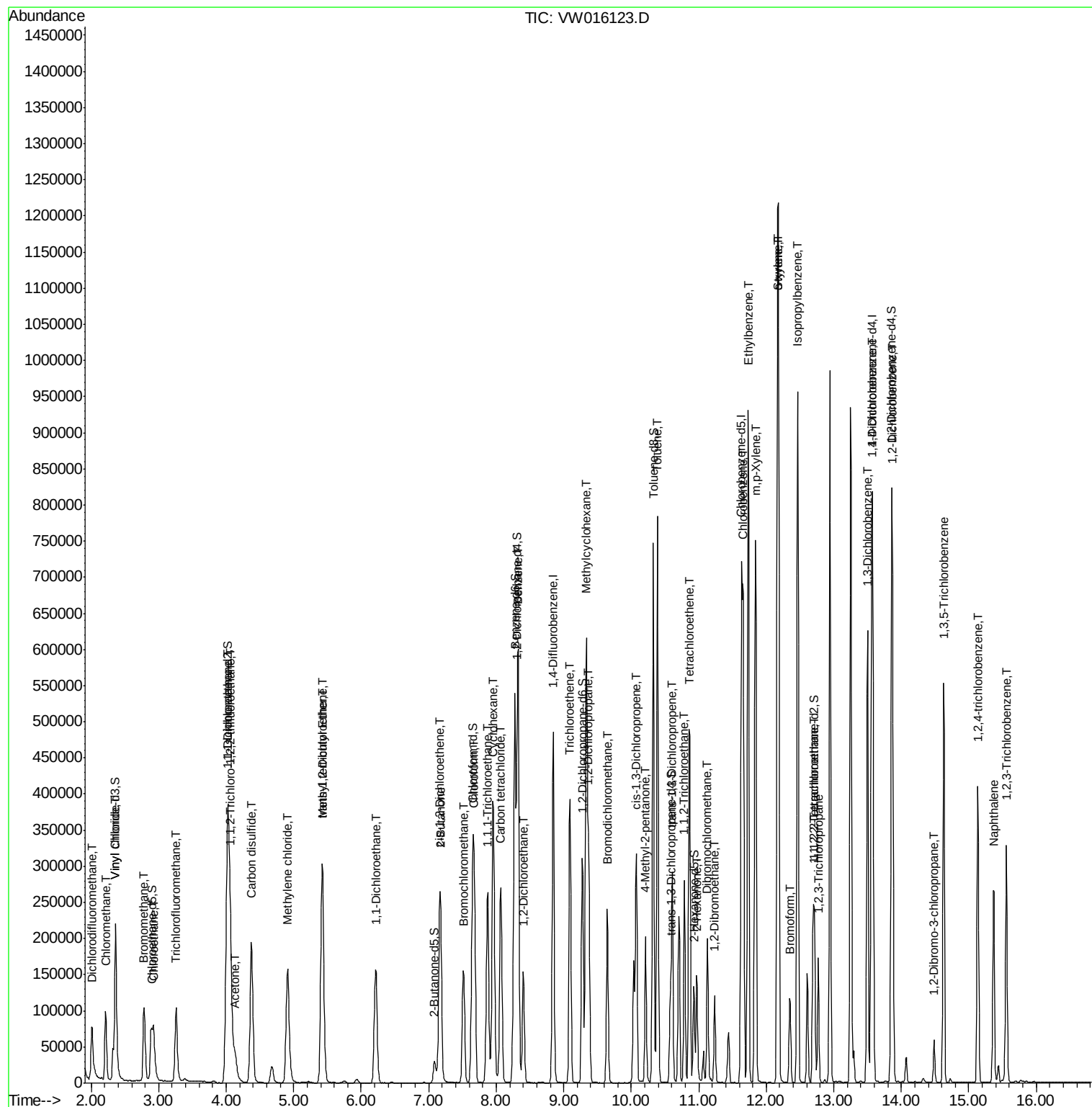
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	7.68	83	235619	22.906	ug/L	99
27) 1,2-Dichloroethane	8.40	62	143235	20.904	ug/L	99
30) Cyclohexane	7.95	56	215462	27.479	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	216018	26.087	ug/L	99
32) Carbon tetrachloride	8.07	117	205399	26.226	ug/L	97
34) Benzene	8.32	78	530542	25.530	ug/L	100
35) Trichloroethene	9.09	95	140659	25.172	ug/L	99
36) Methylcyclohexane	9.34	83	249268	27.079	ug/L	99
40) 1,2-Dichloropropane	9.37	63	121873	23.881	ug/L	100
41) Bromodichloromethane	9.65	83	162605	23.194	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	185025	23.806	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	124190	40.459	ug/L	100
44) Toluene	10.39	91	566528	25.825	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	161942	23.195	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	87383	21.753	ug/L	97
47) Tetrachloroethene	10.87	164	107663	25.701	ug/L	95
49) 2-Hexanone	10.97	43	90762	43.821	ug/L	99
50) Dibromochloromethane	11.13	129	105217	22.239	ug/L	98
51) 1,2-Dibromoethane	11.24	107	80676	21.184	ug/L	99
52) Chlorobenzene	11.66	112	349771	24.098	ug/L	98
53) Ethylbenzene	11.73	91	638956	25.672	ug/L	99
54) m,p-Xylene	11.84	106	241487	25.793	ug/L	96
55) o-xylene	12.16	106	219396	24.878	ug/L	97
56) Styrene	12.18	104	386108	25.288	ug/L	99
57) Isopropylbenzene	12.46	105	617317	25.963	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	98781	21.075	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	72697	20.473	ug/L	99
62) Bromoform	12.35	173	50949	20.693	ug/L	96
63) 1,3-Dichlorobenzene	13.50	146	250612	24.370	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	247397	23.615	ug/L	92
65) 1,2-Dichlorobenzene	13.87	146	220637	23.401	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	16235	19.636	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	158401	24.411	ug/L	96
68) 1,2,4-trichlorobenzene	15.13	180	116595	22.170	ug/L	98
69) Naphthalene	15.37	128	228107	20.548	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	105097	21.996	ug/L	98

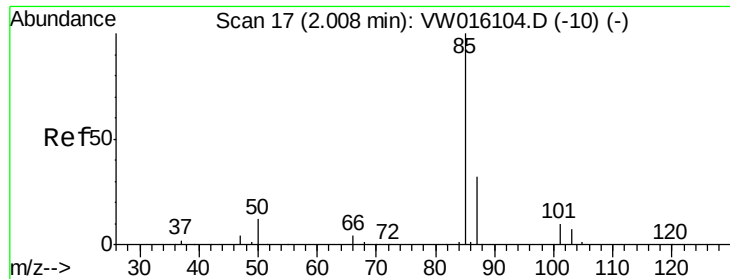
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 29.654 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW016123.D

Acq: 11 Aug 2020 07:38

Instrument :

MSVOA_W

ClientSampleId :

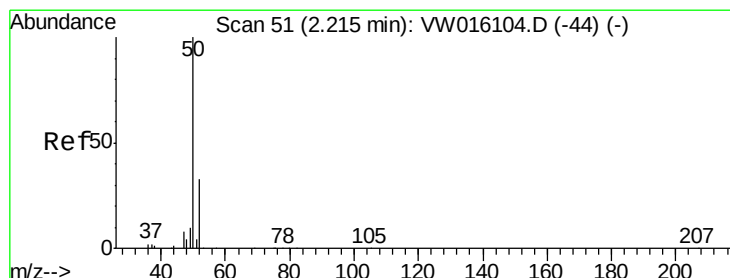
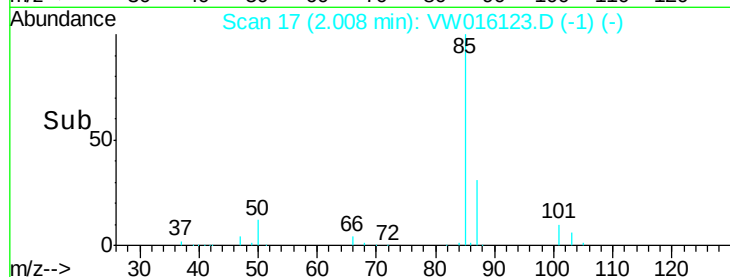
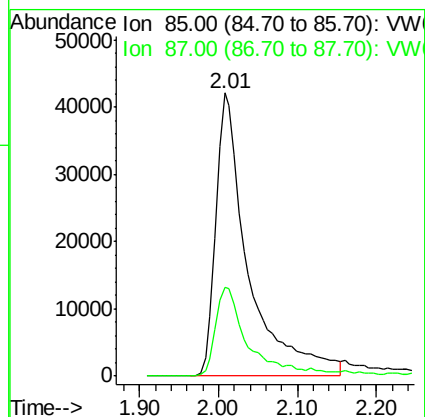
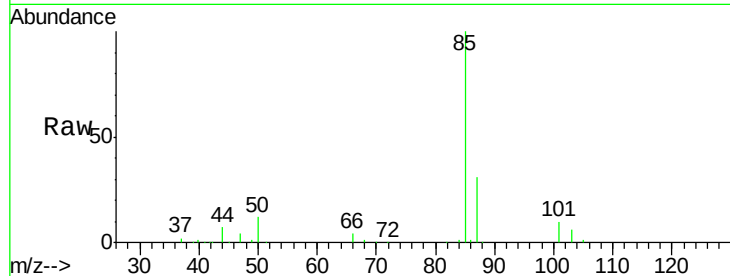
VSTD02509

Tgt Ion: 85 Resp: 121253

Ion Ratio Lower Upper

85 100

87 26.6 22.0 41.0



#3

Chloromethane

Concen: 25.319 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW016123.D

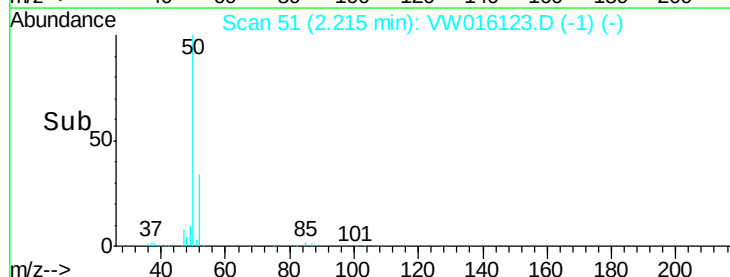
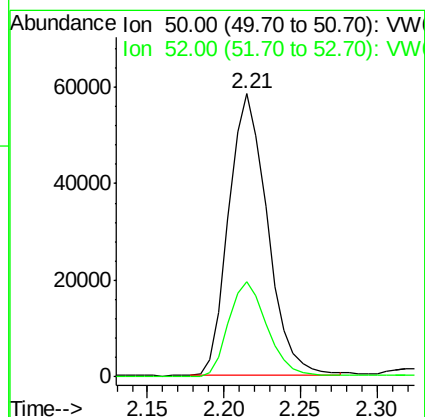
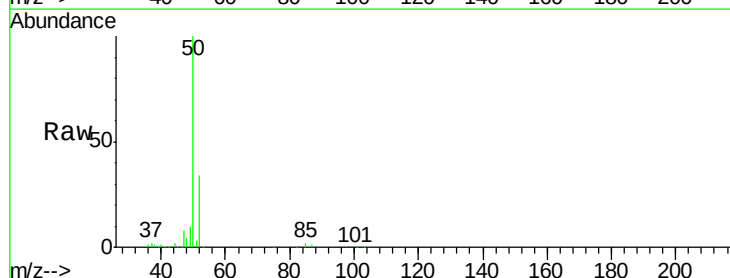
Acq: 11 Aug 2020 07:38

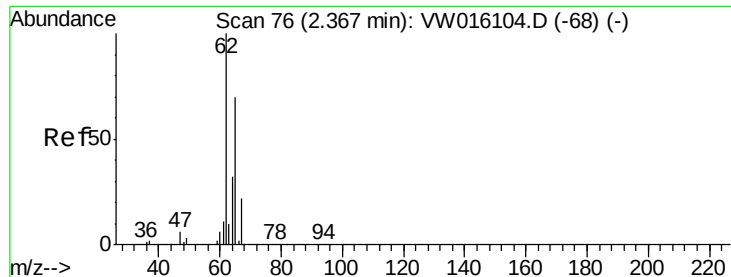
Tgt Ion: 50 Resp: 102812

Ion Ratio Lower Upper

50 100

52 33.7 22.0 40.8





#5

Vinyl chloride

Concen: 27.098 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW016123.D

Acq: 11 Aug 2020 07:38

Instrument :

MSVOA_W

ClientSampleId :

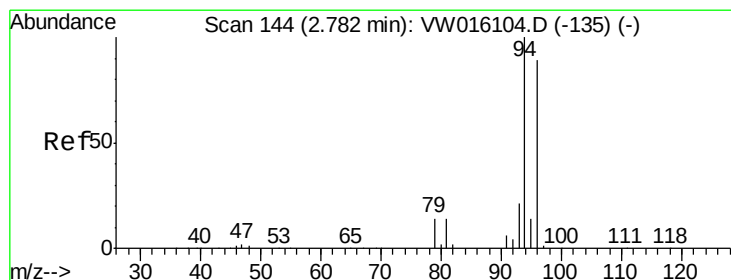
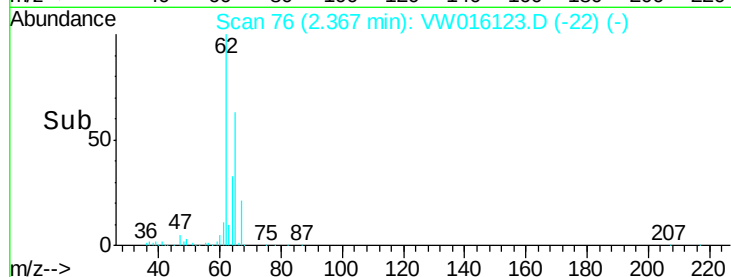
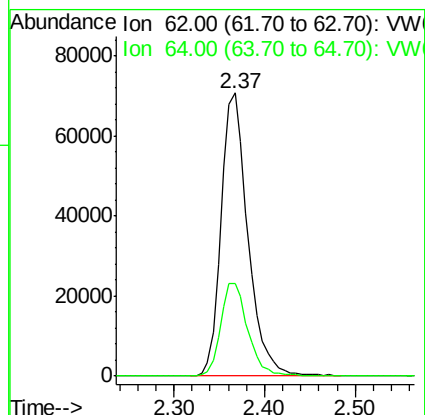
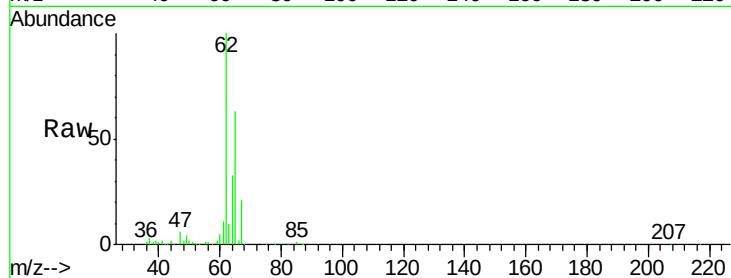
VSTD02509

Tgt Ion: 62 Resp: 146039

Ion Ratio Lower Upper

62 100

64 32.8 23.0 42.8



#6

Bromomethane

Concen: 25.134 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW016123.D

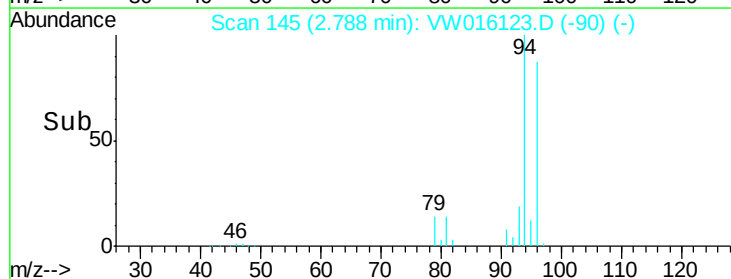
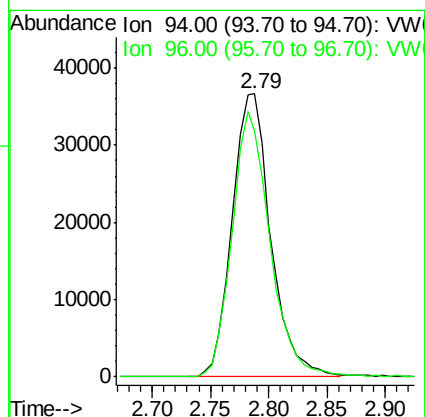
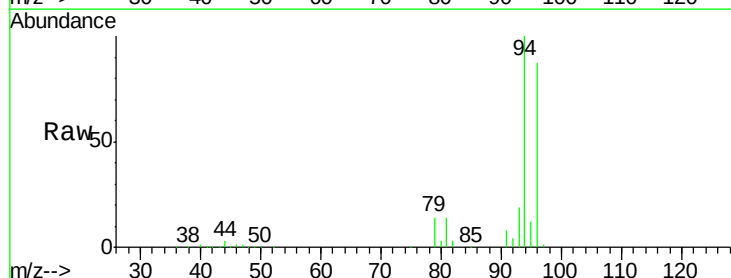
Acq: 11 Aug 2020 07:38

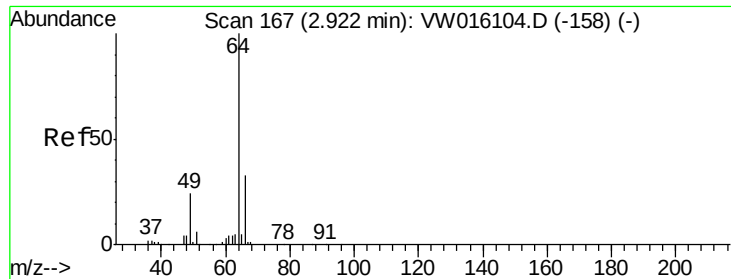
Tgt Ion: 94 Resp: 84836

Ion Ratio Lower Upper

94 100

96 92.2 9.4 178.2





#8

Chloroethane

Concen: 25.810 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW016123.D

Acq: 11 Aug 2020 07:38

Instrument :

MSVOA_W

ClientSampleId :

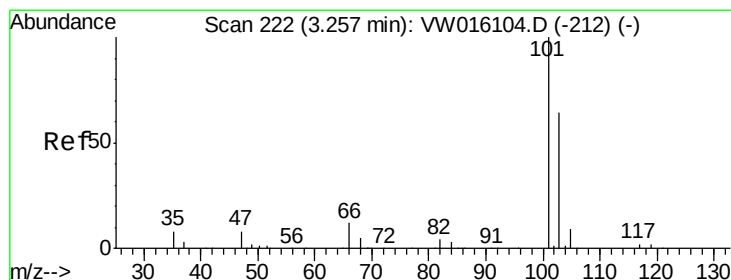
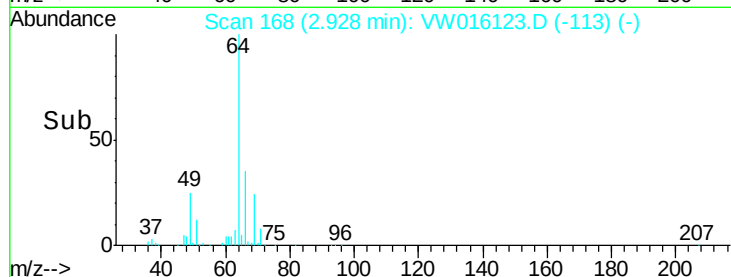
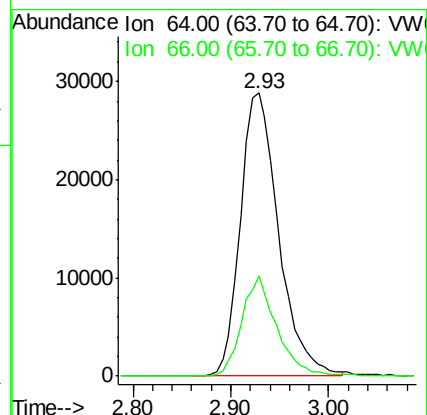
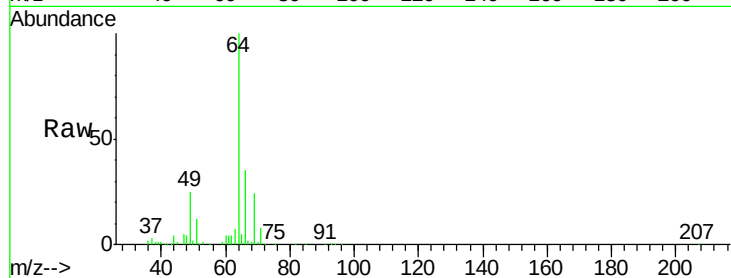
VSTD02509

Tgt Ion: 64 Resp: 78326

Ion Ratio Lower Upper

64 100

66 35.4 21.8 40.4



#9

Trichlorofluoromethane

Concen: 29.350 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW016123.D

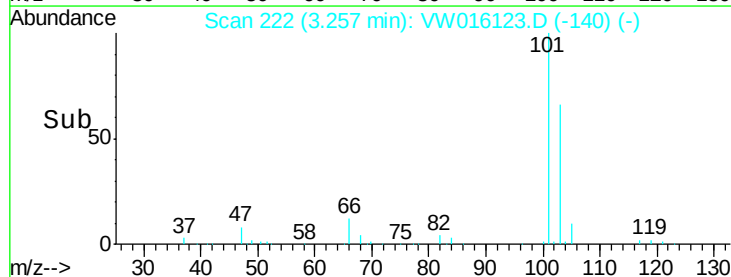
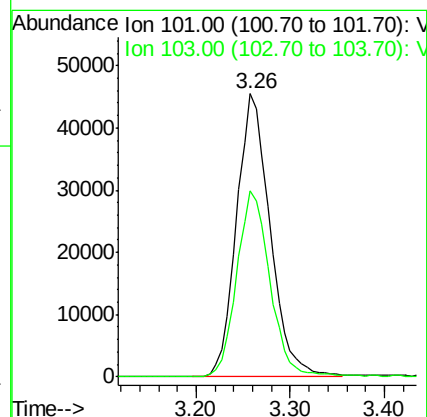
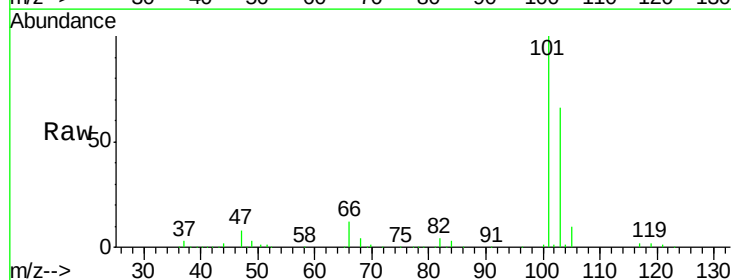
Acq: 11 Aug 2020 07:38

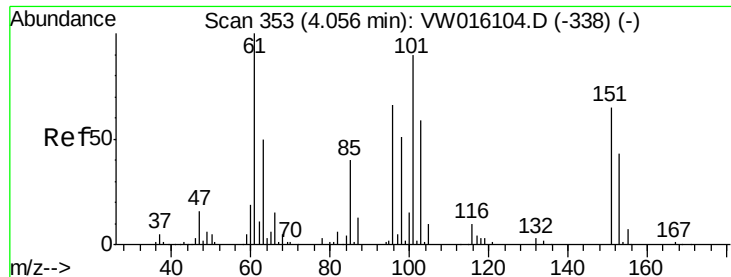
Tgt Ion: 101 Resp: 112905

Ion Ratio Lower Upper

101 100

103 64.0 45.6 84.6





#11

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

Concen: 25.324 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW016123.D

Acq: 11 Aug 2020 07:38

Instrument :

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ClientSampleId :

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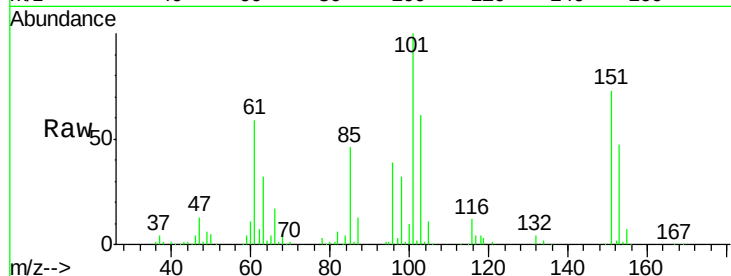
Tgt Ion: 101 Resp: 137675

Ion Ratio Lower Upper

101 100

85 44.6 34.2 51.4

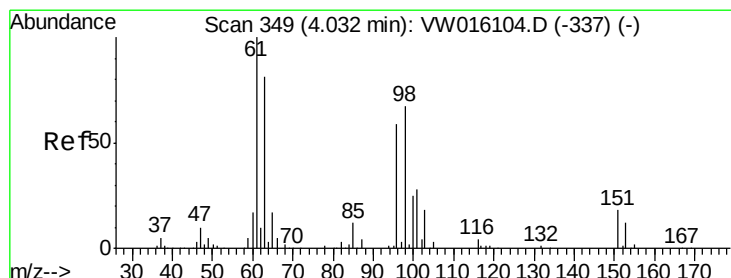
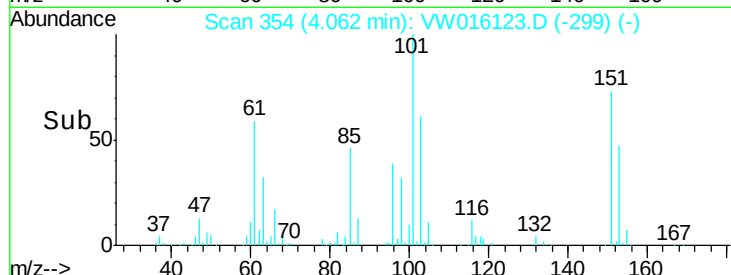
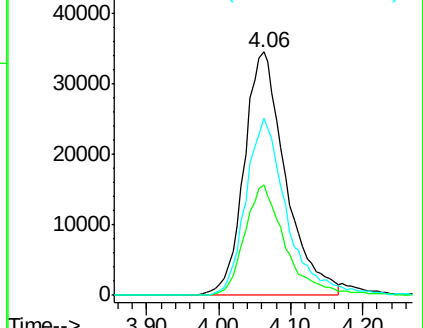
151 70.9 57.4 86.2



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: 26.093 ug/L

RT: 4.03 min Scan# 349

Delta R.T. 0.00 min

Lab File: VW016123.D

Acq: 11 Aug 2020 07:38

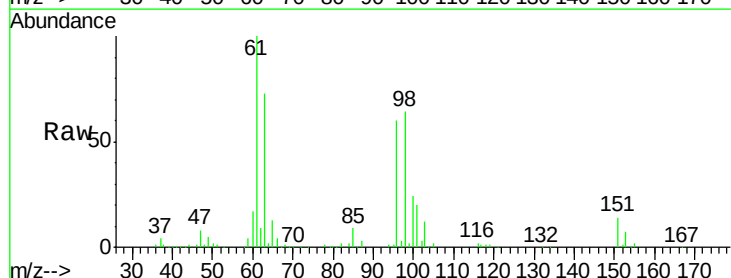
Tgt Ion: 96 Resp: 135556

Ion Ratio Lower Upper

96 100

61 167.2 120.2 223.2

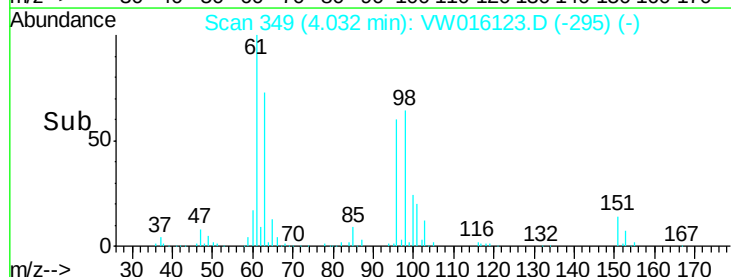
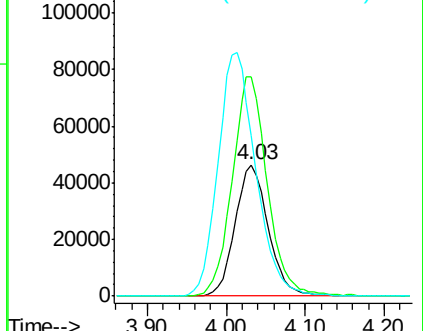
63 122.4 86.4 160.4

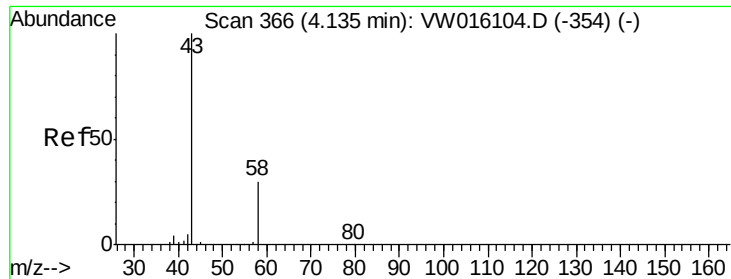


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 42.812 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

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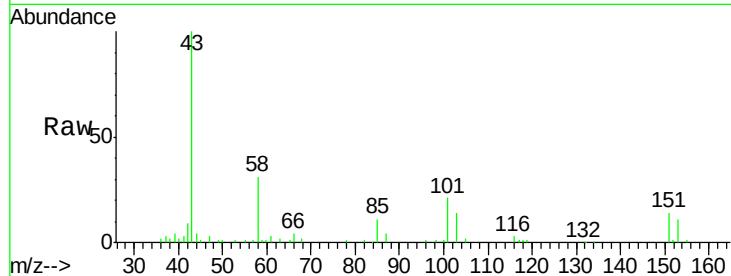
VSTD02509

Tgt Ion: 43 Resp: 42767

Ion Ratio Lower Upper

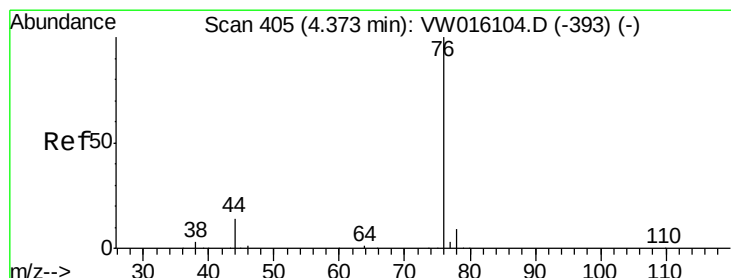
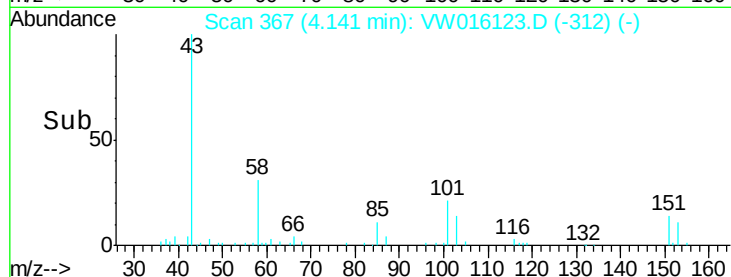
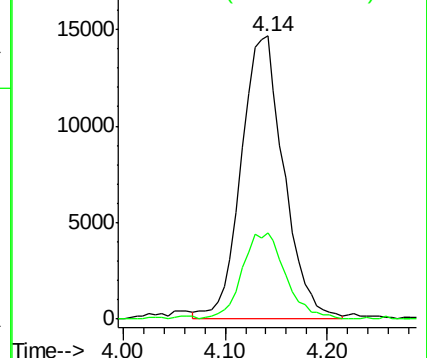
43 100

58 14.8 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 26.388 ug/L

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW016123.D

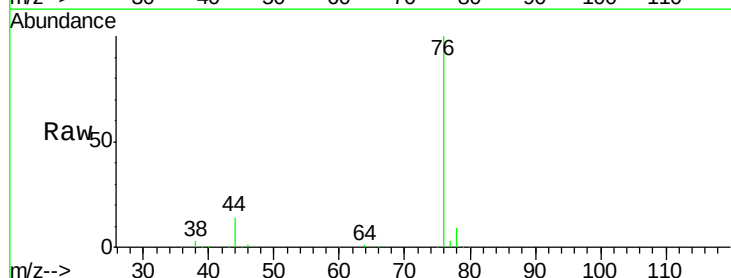
Acq: 11 Aug 2020 07:38

Tgt Ion: 76 Resp: 430319

Ion Ratio Lower Upper

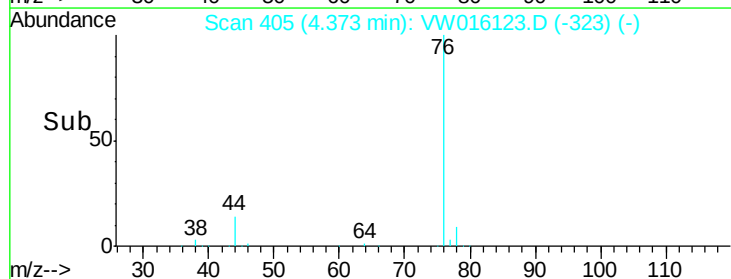
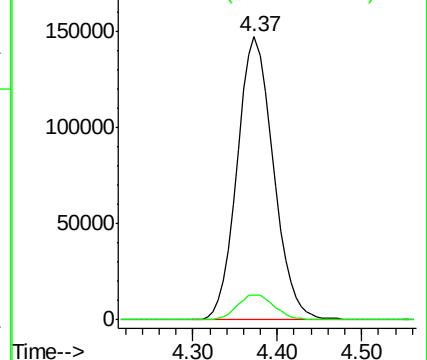
76 100

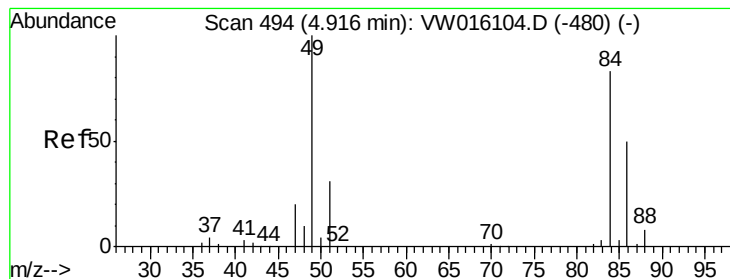
78 9.0 7.0 10.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#16

Methylene chloride

Concen: 20.218 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW016123.D

Acq: 11 Aug 2020 07:38

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ClientSampleId :

VSTD02509

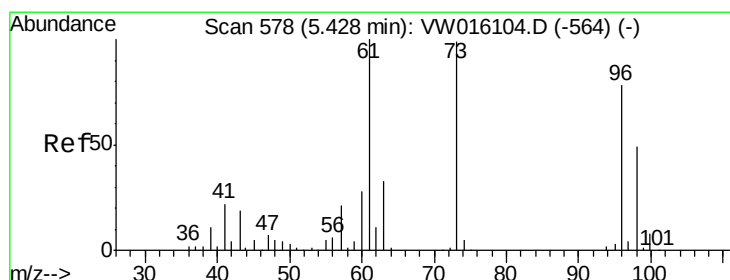
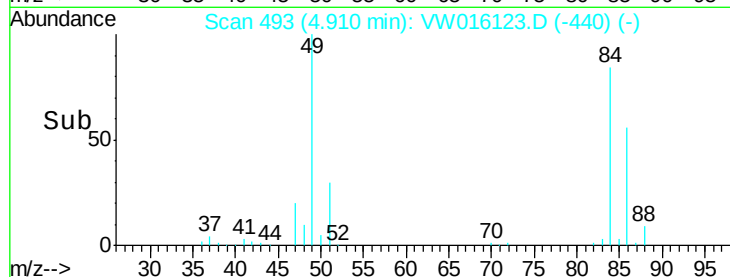
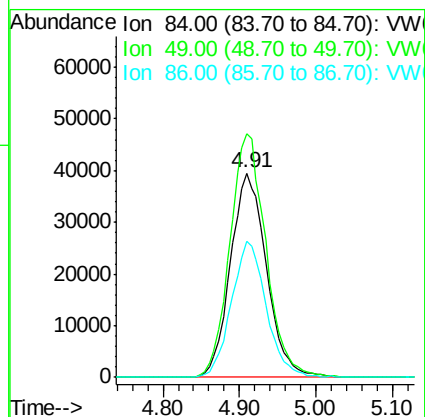
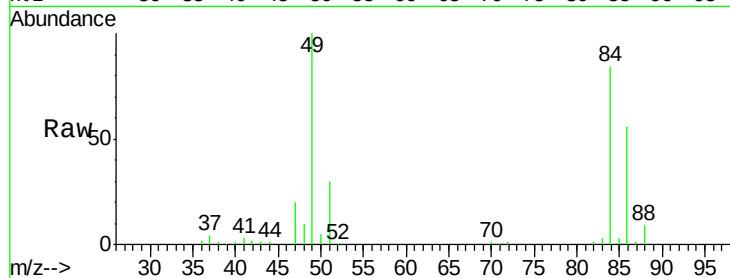
Tgt Ion: 84 Resp: 129221

Ion Ratio Lower Upper

84 100

49 119.2 80.4 149.4

86 66.7 43.8 81.3



#17

Methyl tert-butyl Ether

Concen: 20.971 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW016123.D

Acq: 11 Aug 2020 07:38

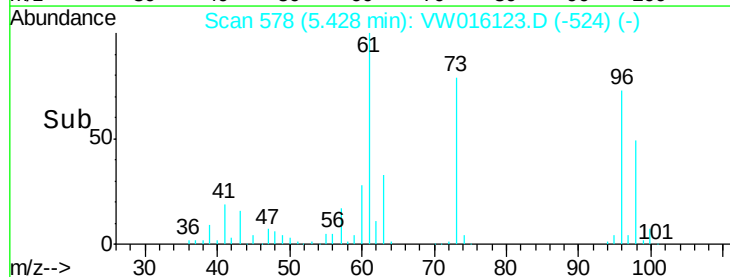
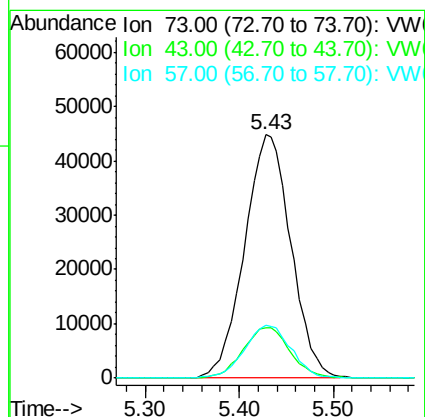
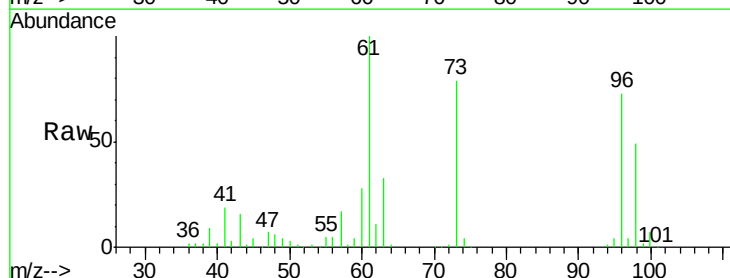
Tgt Ion: 73 Resp: 154388

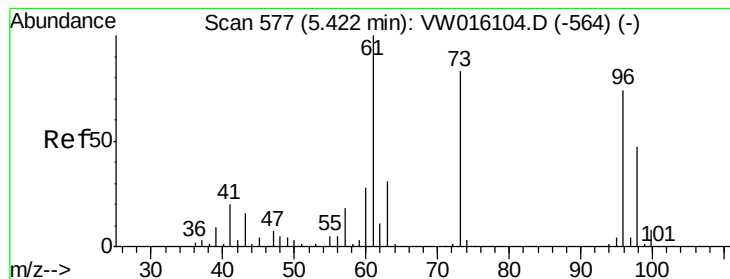
Ion Ratio Lower Upper

73 100

43 21.3 16.6 24.8

57 21.7 17.1 25.7





#18

trans-1,2-Dichloroethene

Concen: 24.747 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW016123.D

Acq: 11 Aug 2020 07:38

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

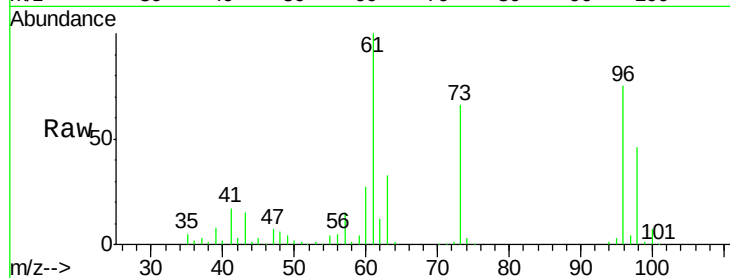
Tgt Ion: 96 Resp: 135235

Ion Ratio Lower Upper

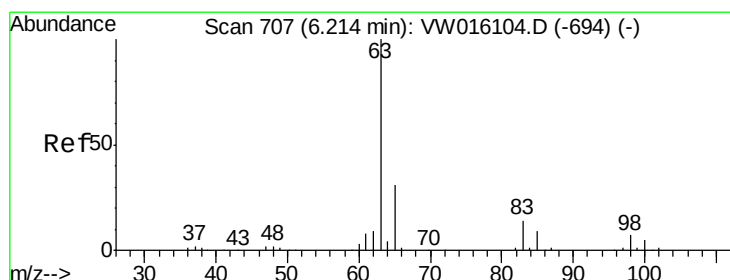
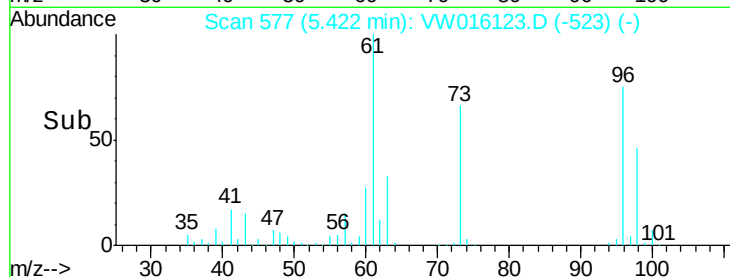
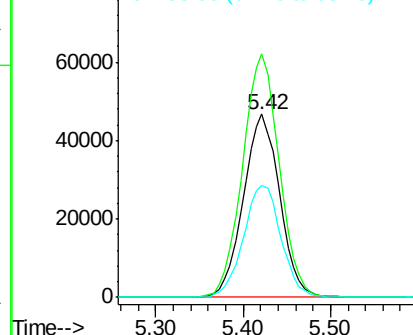
96 100

61 132.8 101.6 188.8

98 61.1 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: 23.500 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW016123.D

Acq: 11 Aug 2020 07:38

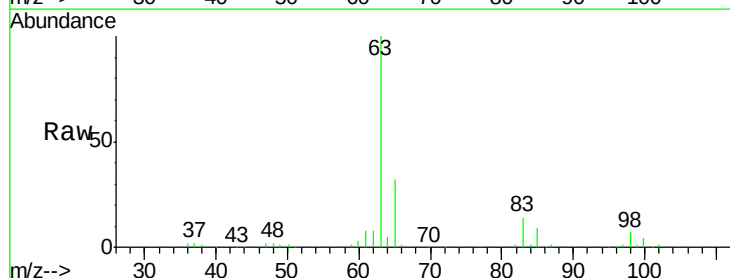
Tgt Ion: 63 Resp: 227213

Ion Ratio Lower Upper

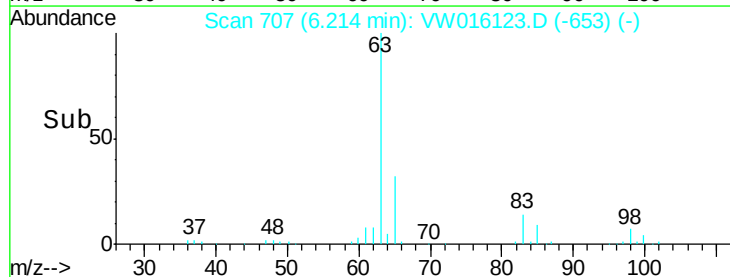
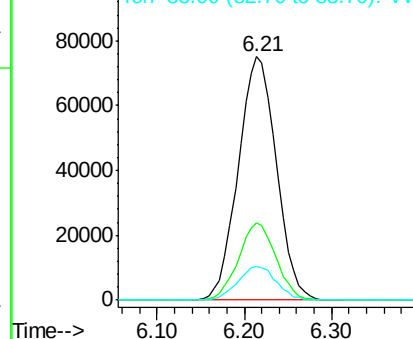
63 100

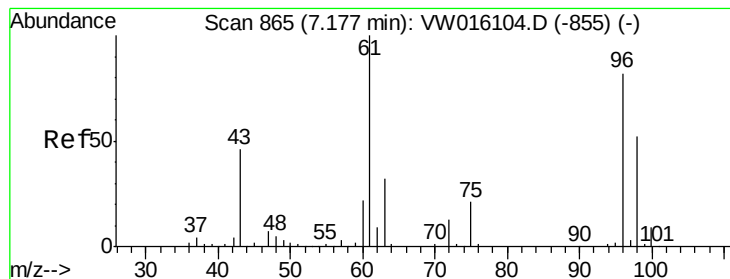
65 31.8 21.6 40.0

83 14.1 9.8 18.2



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





#21

2-Butanone

Concen: 37.117 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW016123.D

Acq: 11 Aug 2020 07:38

Instrument :

MSVOA_W

ClientSampleId :

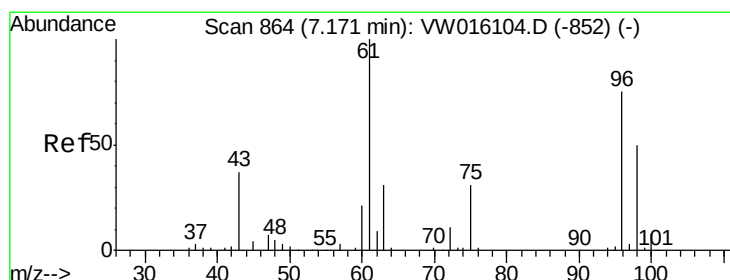
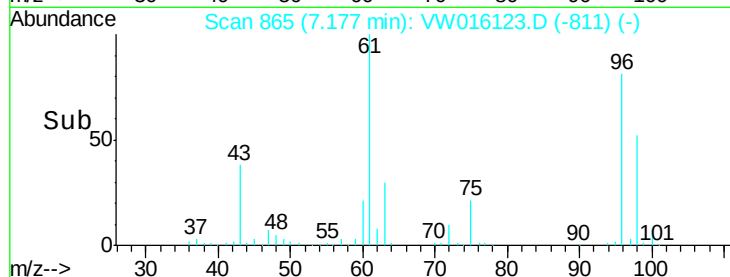
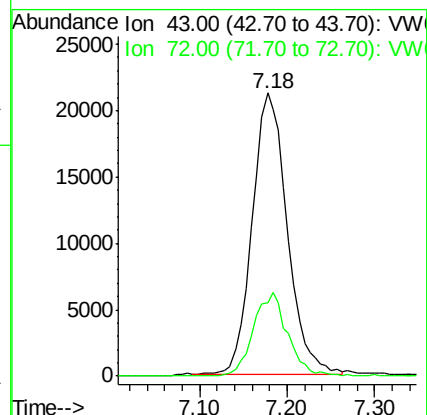
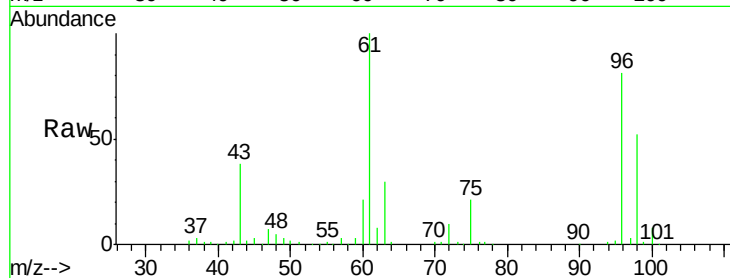
VSTD02509

Tgt Ion: 43 Resp: 58764

Ion Ratio Lower Upper

43 100

72 29.2 13.9 41.7



#22

cis-1,2-Dichloroethene

Concen: 22.808 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW016123.D

Acq: 11 Aug 2020 07:38

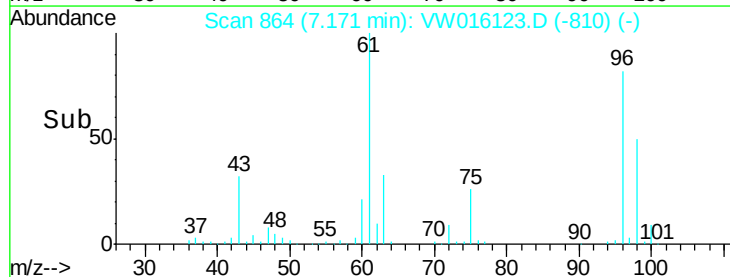
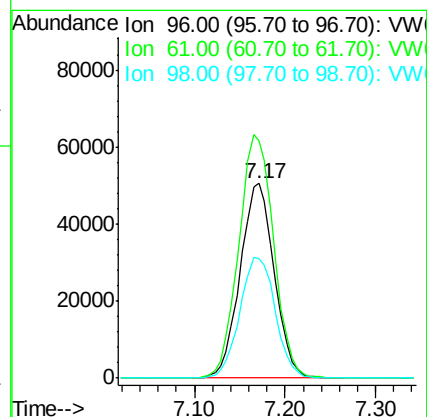
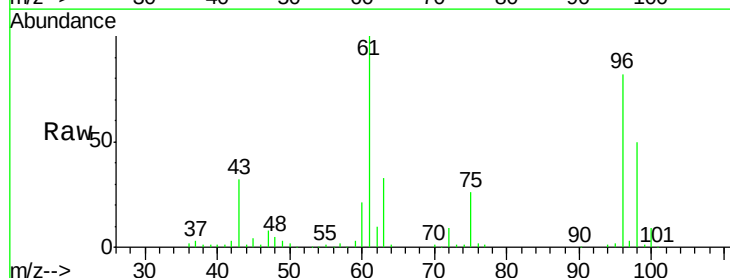
Tgt Ion: 96 Resp: 131485

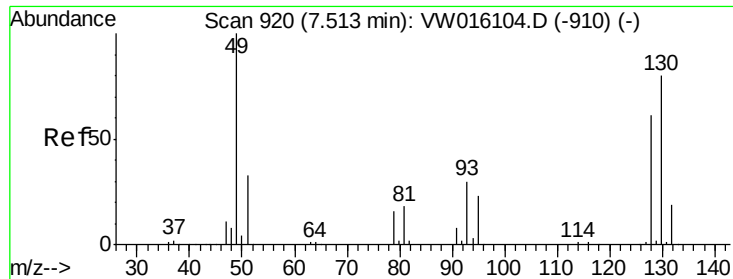
Ion Ratio Lower Upper

96 100

61 122.0 87.0 161.6

98 61.3 44.0 81.6





#23

Bromochloromethane

Concen: 21.628 ug/L

RT: 7.51 min Scan# 920

Delta R.T. 0.00 min

Lab File: VW016123.D

Acq: 11 Aug 2020 07:38

Instrument :

MSVOA_W

ClientSampled :

VSTD02509

Tgt Ion:128 Resp: 57225

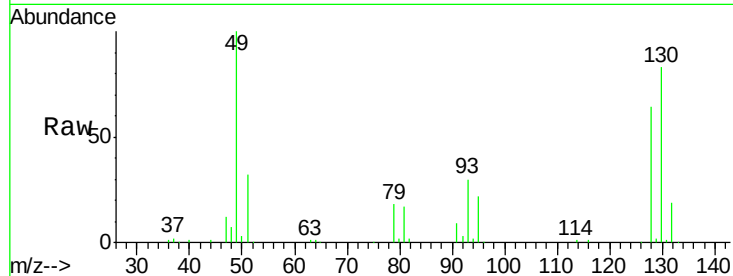
Ion Ratio Lower Upper

128 100

49 155.7 111.8 207.6

130 129.7 90.6 168.3

51 50.3 42.6 63.8

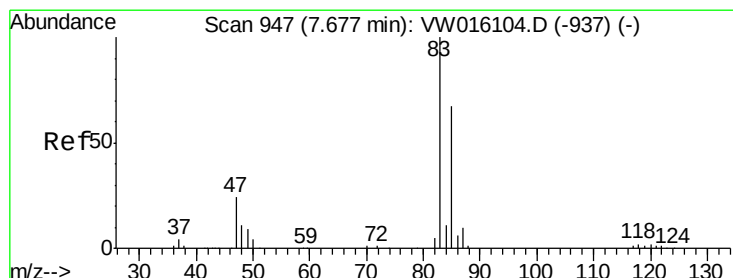
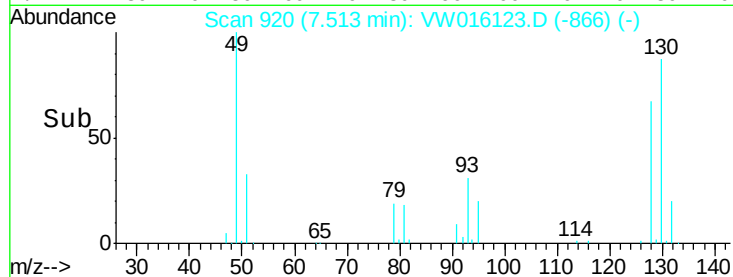
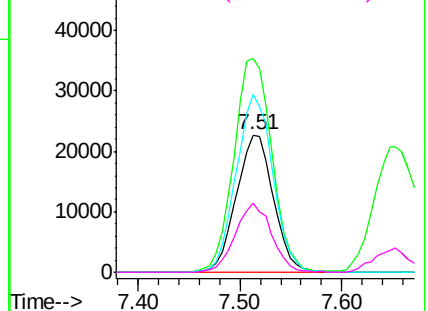


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VW



#25

Chloroform

Concen: 22.906 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW016123.D

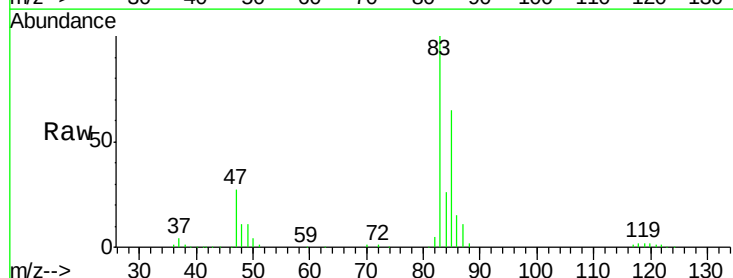
Acq: 11 Aug 2020 07:38

Tgt Ion: 83 Resp: 235619

Ion Ratio Lower Upper

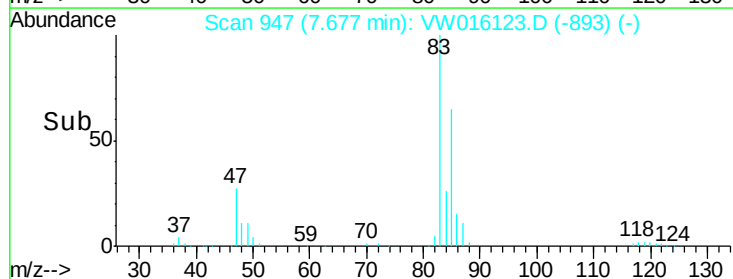
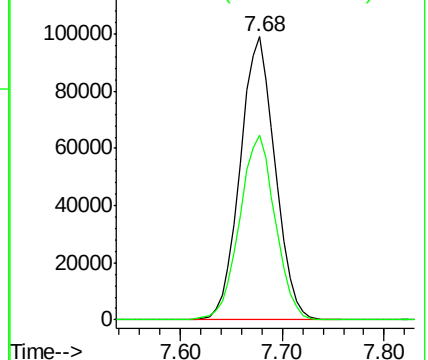
83 100

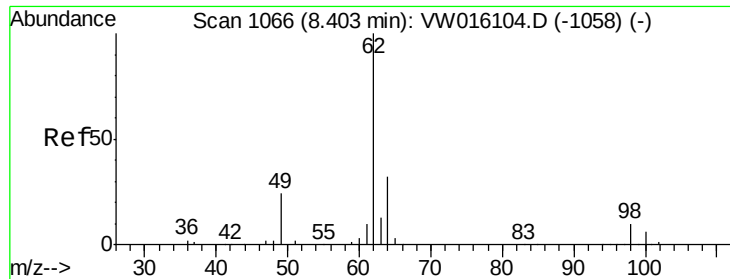
85 66.5 46.0 85.4



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

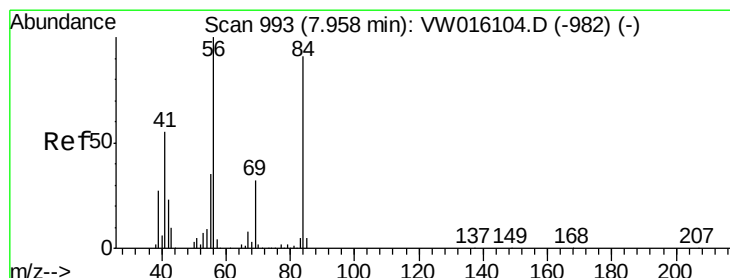
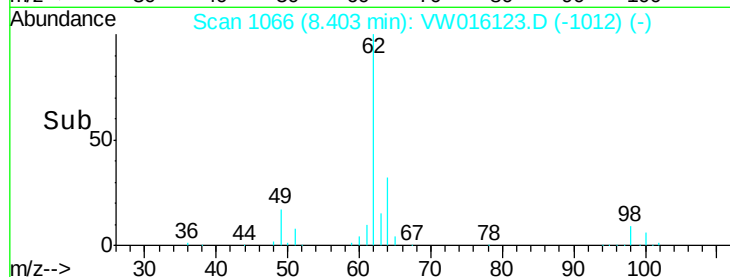
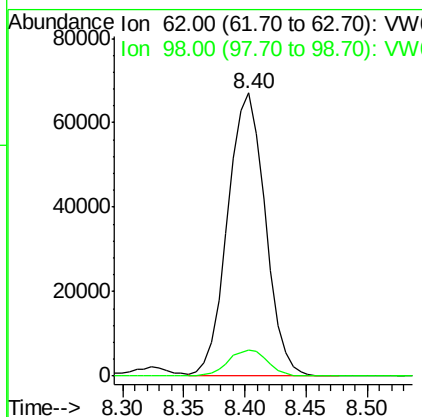
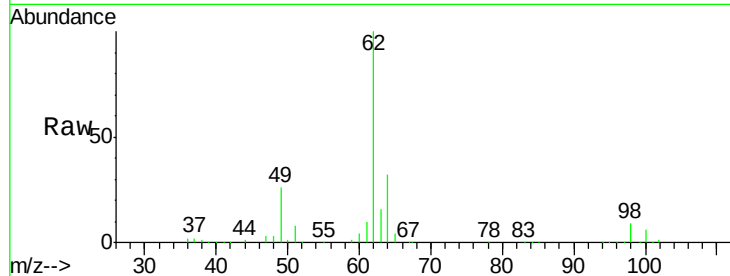




#27
 1,2-Dichloroethane
 Concen: 20.904 ug/L
 RT: 8.40 min Scan# 1066
 Delta R.T. 0.00 min
 Lab File: VW016123.D
 Acq: 11 Aug 2020 07:38

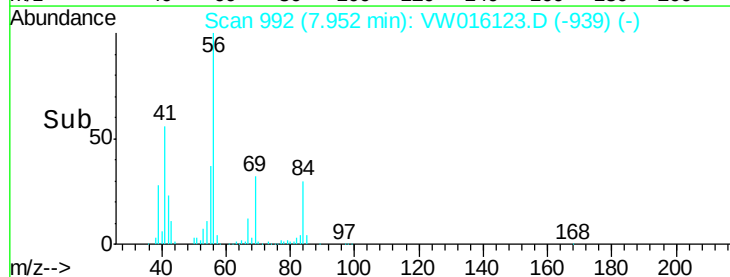
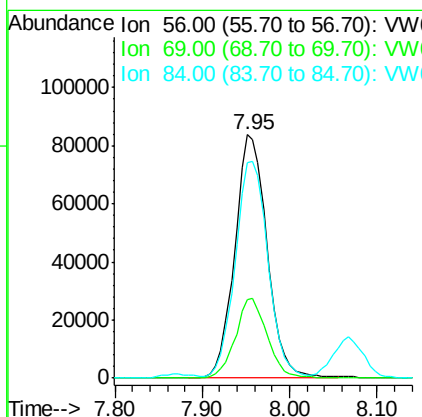
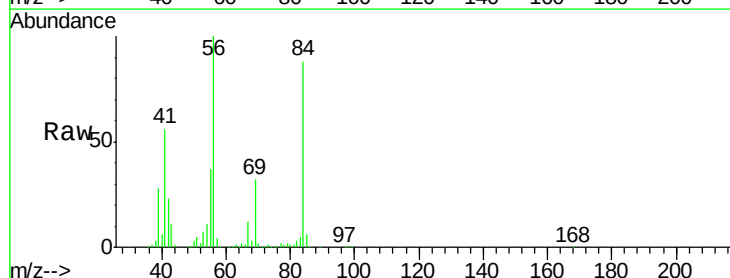
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

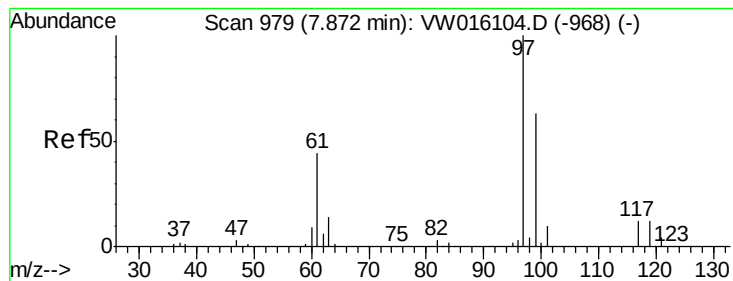
Tgt Ion: 62 Resp: 143235
 Ion Ratio Lower Upper
 62 100
 98 9.3 7.7 11.5



#30
 Cyclohexane
 Concen: 27.479 ug/L
 RT: 7.95 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: VW016123.D
 Acq: 11 Aug 2020 07:38

Tgt Ion: 56 Resp: 215462
 Ion Ratio Lower Upper
 56 100
 69 32.2 25.4 38.0
 84 90.5 73.0 109.6





#31

1,1,1-Trichloroethane

Concen: 26.087 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW016123.D

Acq: 11 Aug 2020 07:38

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

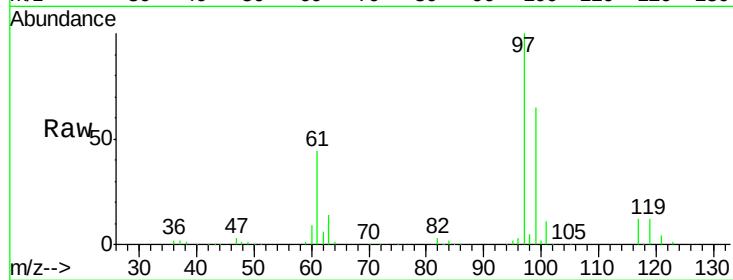
Tgt Ion: 97 Resp: 216018

Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

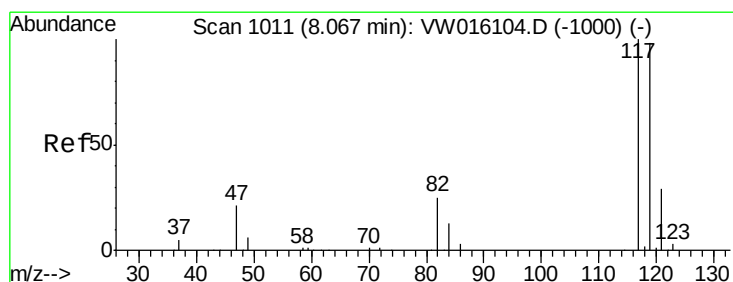
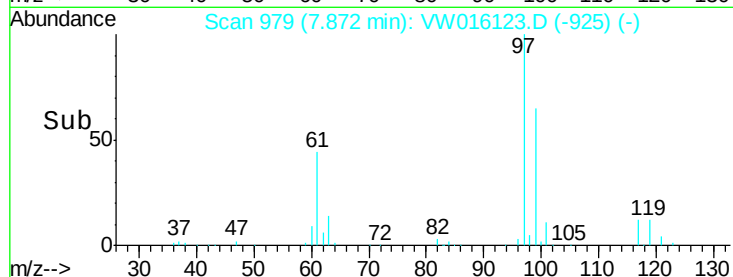
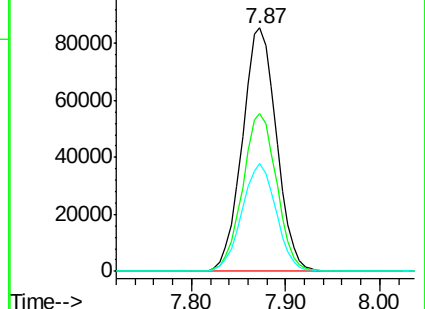
61 44.2 34.5 51.7



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: 26.226 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW016123.D

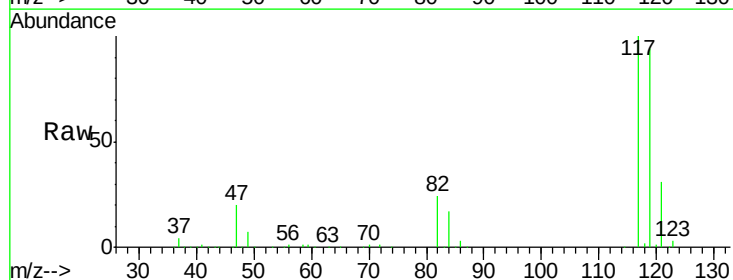
Acq: 11 Aug 2020 07:38

Tgt Ion: 117 Resp: 205399

Ion Ratio Lower Upper

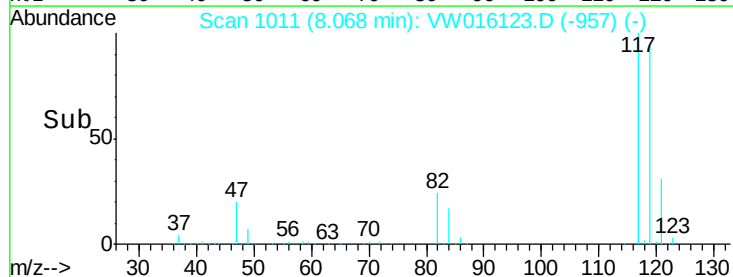
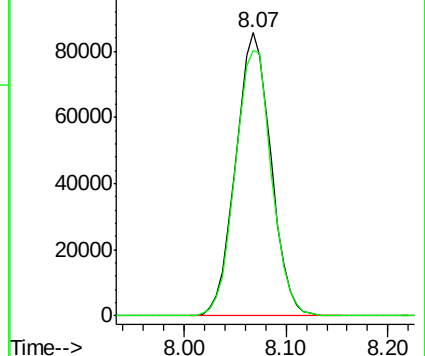
117 100

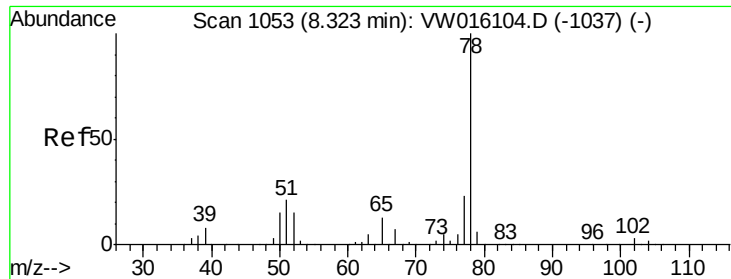
119 96.5 75.2 112.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V





#34

Benzene

Concen: 25.530 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW016123.D

Acq: 11 Aug 2020 07:38

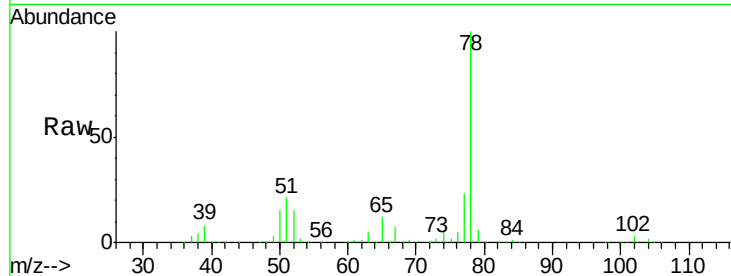
Instrument :

MSVOA_W

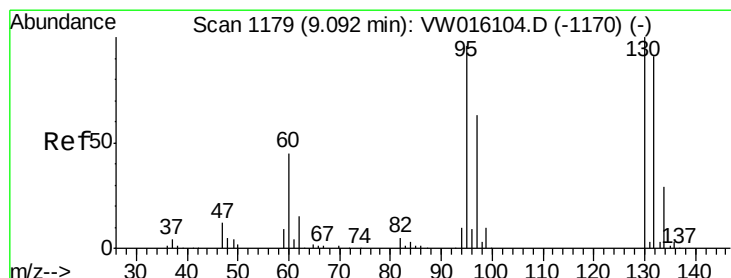
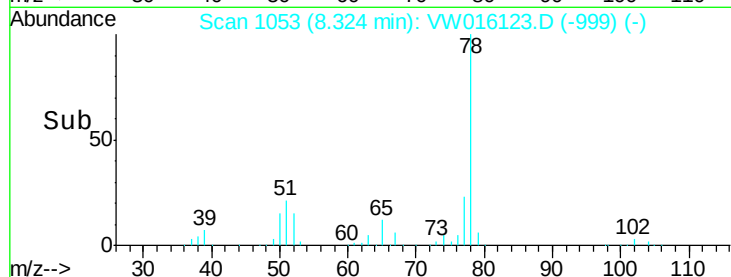
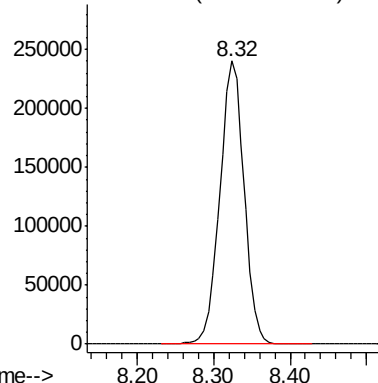
ClientSampleId :

VSTD02509

Tgt Ion: 78 Resp: 530542



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 25.172 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW016123.D

Acq: 11 Aug 2020 07:38

Tgt Ion: 95 Resp: 140659

Ion	Ratio	Lower	Upper
95	100		
97	63.9	44.9	83.3
132	97.0	65.8	122.2
130	98.8	69.5	129.1

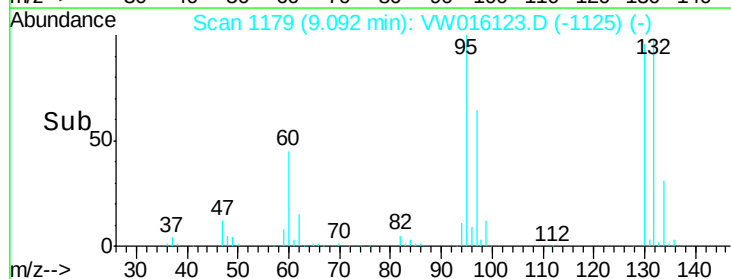
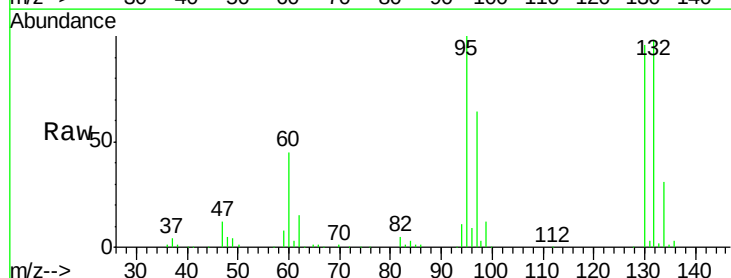
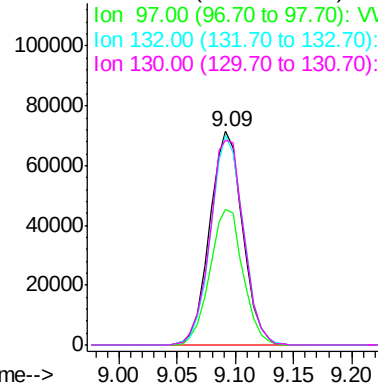
Ion 95.00 (94.70 to 95.70): VW

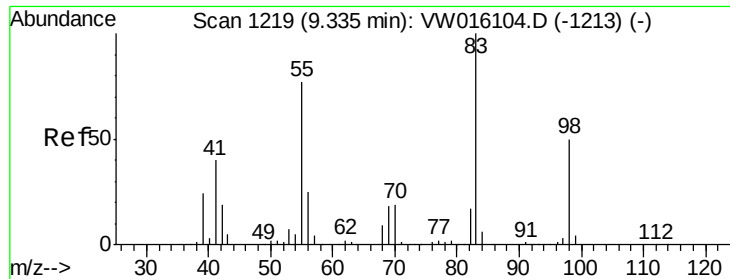
Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW

Abundance Ion 95.00 (94.70 to 95.70): VW

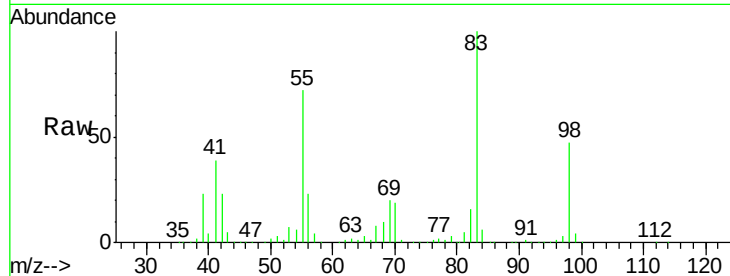




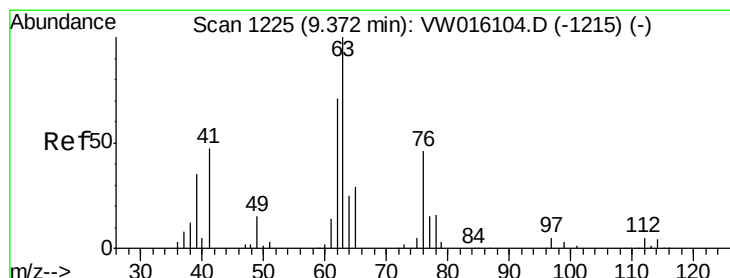
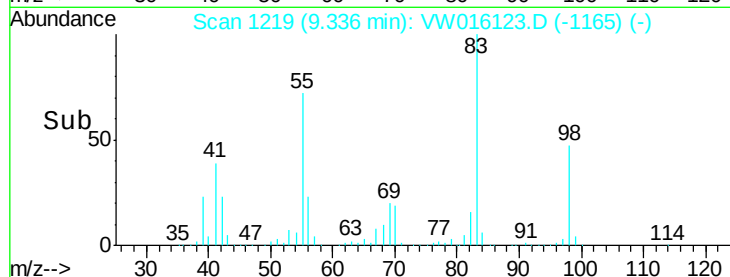
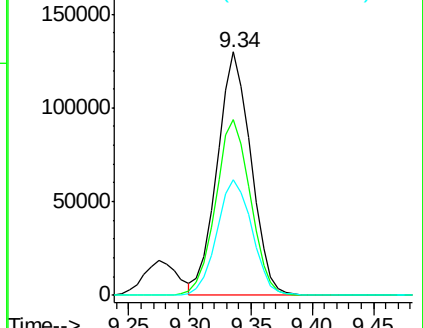
#36
Methylcyclohexane
Concen: 27.079 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW016123.D
Acq: 11 Aug 2020 07:38

Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

Tgt Ion: 83 Resp: 249268
Ion Ratio Lower Upper
83 100
55 74.1 60.7 91.1
98 49.5 39.4 59.0

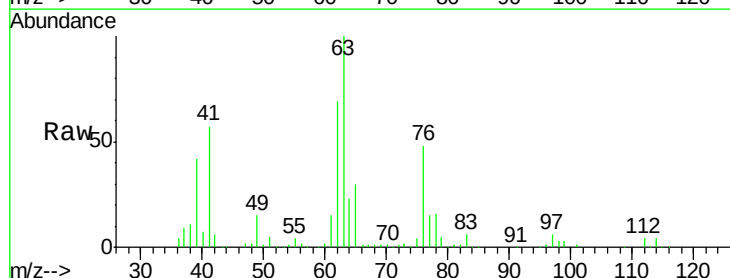


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

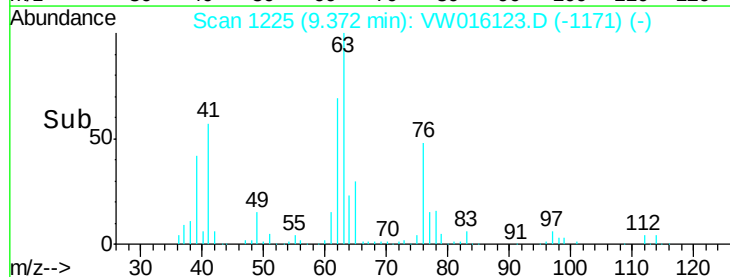
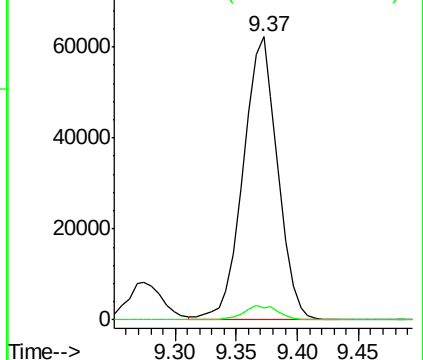


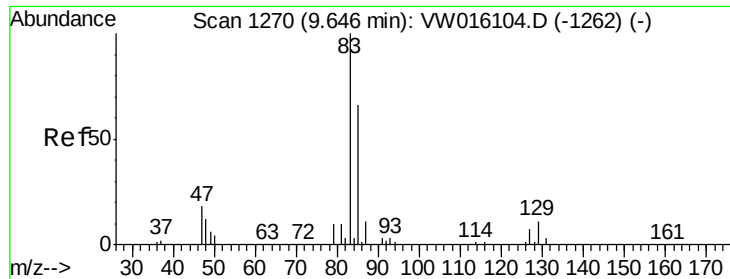
#40
1,2-Dichloropropane
Concen: 23.881 ug/L
RT: 9.37 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VW016123.D
Acq: 11 Aug 2020 07:38

Tgt Ion: 63 Resp: 121873
Ion Ratio Lower Upper
63 100
112 5.0 4.0 6.0



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 112.00 (111.70 to 112.70): V





#41

Bromodichloromethane

Concen: 23.194 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW016123.D

Acq: 11 Aug 2020 07:38

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

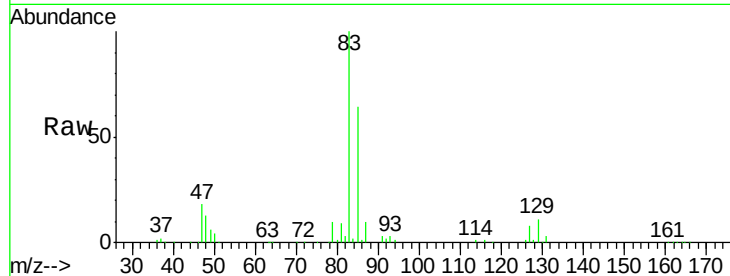
Tgt Ion: 83 Resp: 162605

Ion Ratio Lower Upper

83 100

85 63.6 46.1 85.5

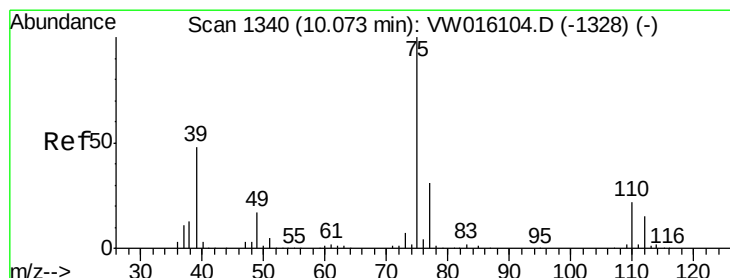
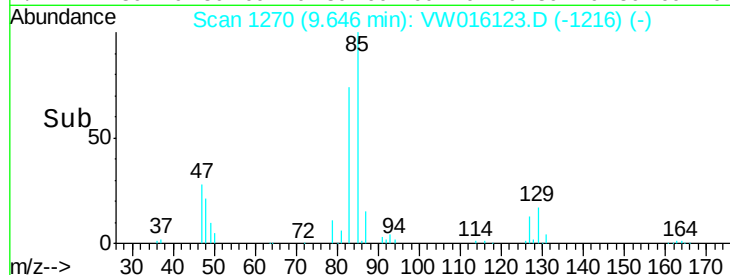
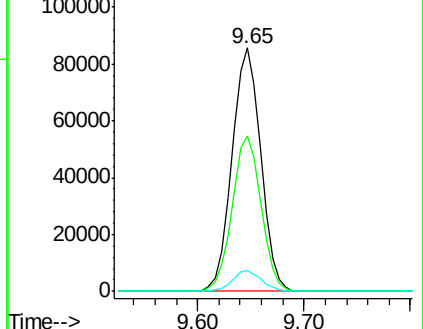
127 8.5 7.2 10.8



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: 23.806 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW016123.D

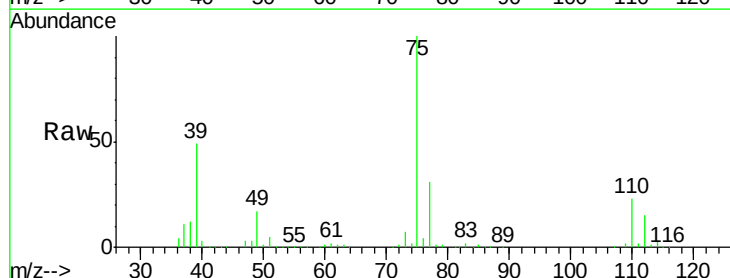
Acq: 11 Aug 2020 07:38

Tgt Ion: 75 Resp: 185025

Ion Ratio Lower Upper

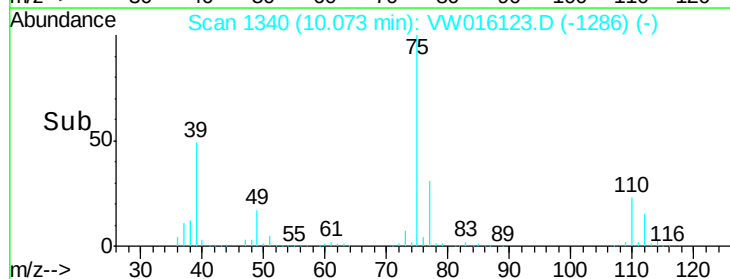
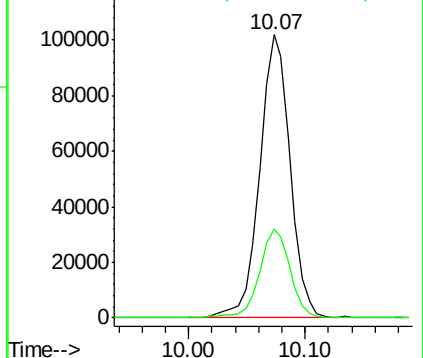
75 100

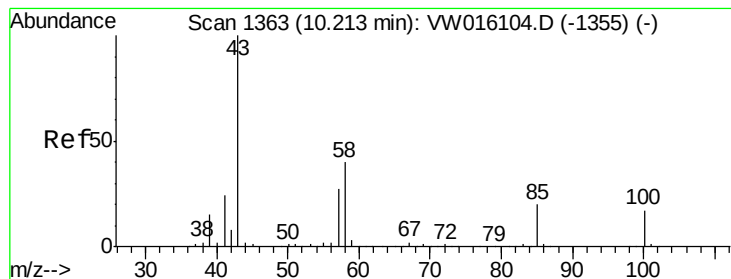
77 31.4 22.9 42.5



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: 40.459 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016123.D

Acq: 11 Aug 2020 07:38

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

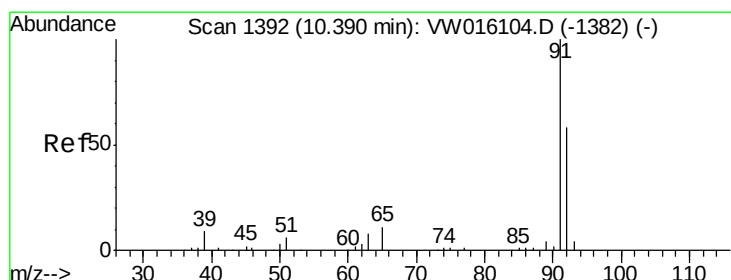
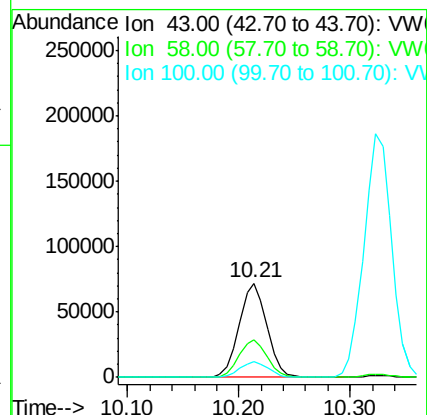
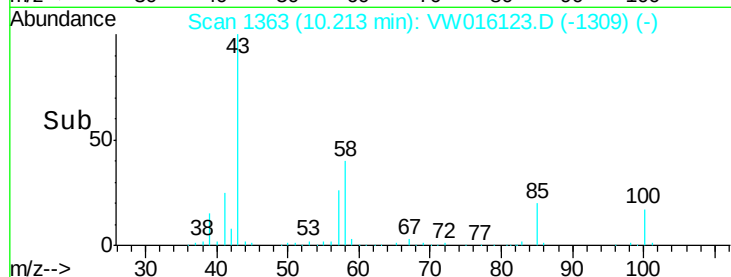
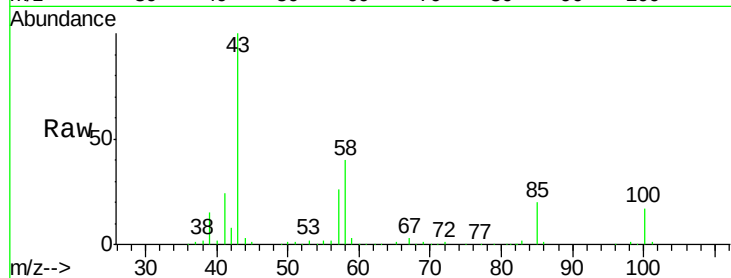
Tgt Ion: 43 Resp: 124190

Ion Ratio Lower Upper

43 100

58 39.8 32.1 48.1

100 17.3 13.8 20.8



#44

Toluene

Concen: 25.825 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016123.D

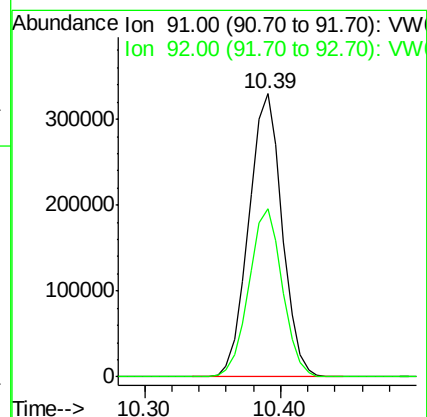
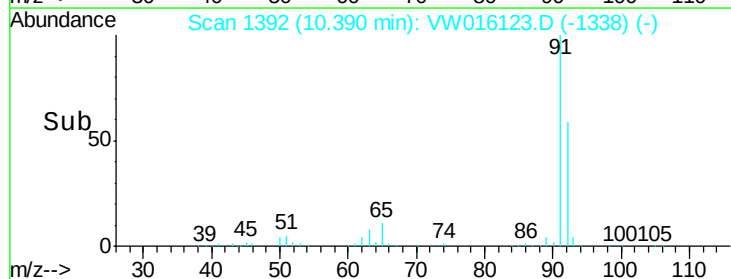
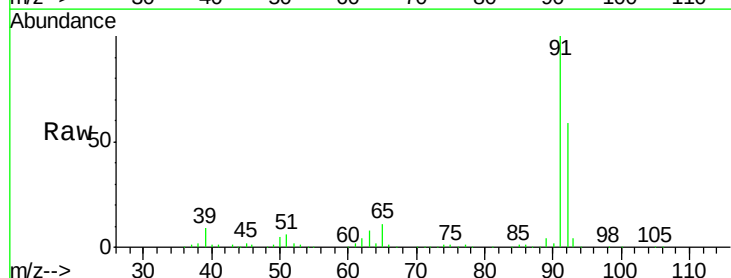
Acq: 11 Aug 2020 07:38

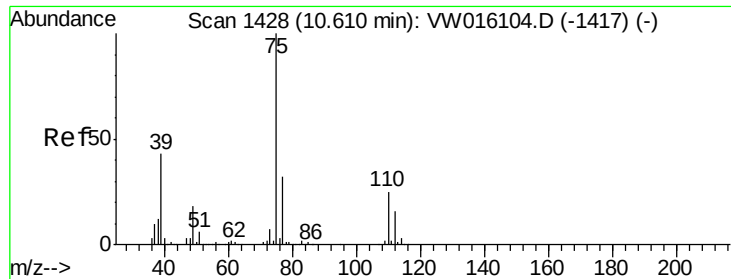
Tgt Ion: 91 Resp: 566528

Ion Ratio Lower Upper

91 100

92 59.2 41.8 77.6





#45

trans-1,3-Dichloropropene

Concen: 23.195 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016123.D

Acq: 11 Aug 2020 07:38

Instrument :

MSVOA_W

ClientSampleId :

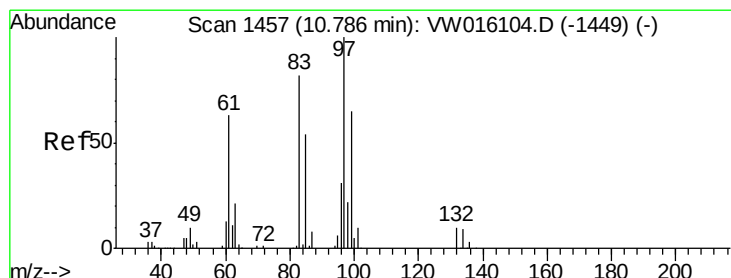
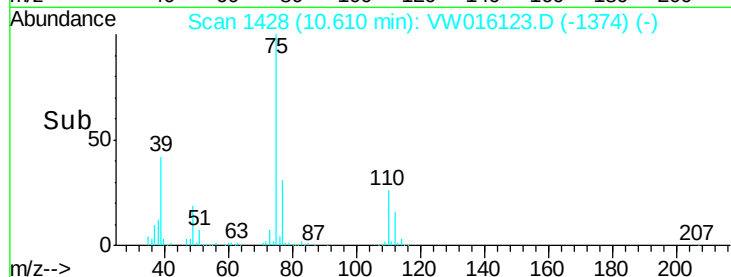
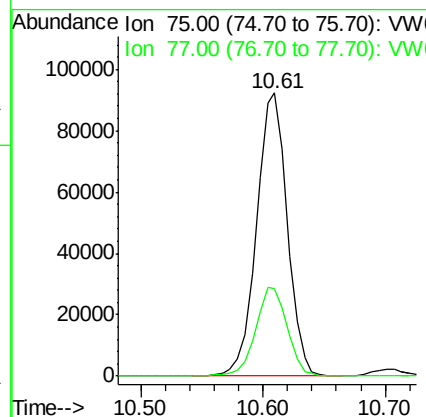
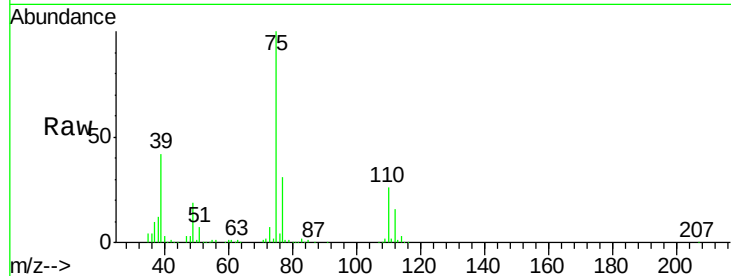
VSTD02509

Tgt Ion: 75 Resp: 161942

Ion Ratio Lower Upper

75 100

77 31.1 22.7 42.1



#46

1,1,2-Trichloroethane

Concen: 21.753 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW016123.D

Acq: 11 Aug 2020 07:38

Tgt Ion: 97 Resp: 87383

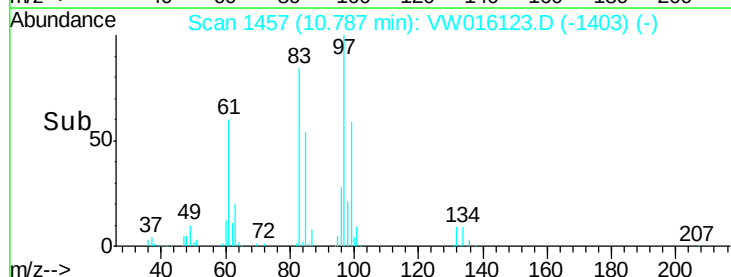
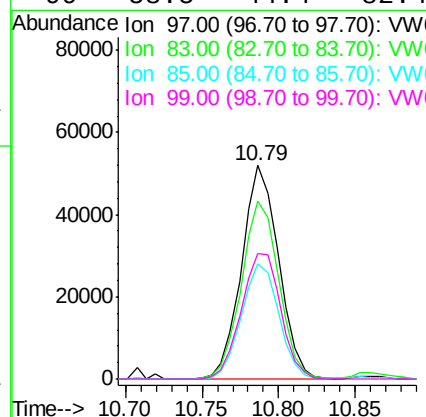
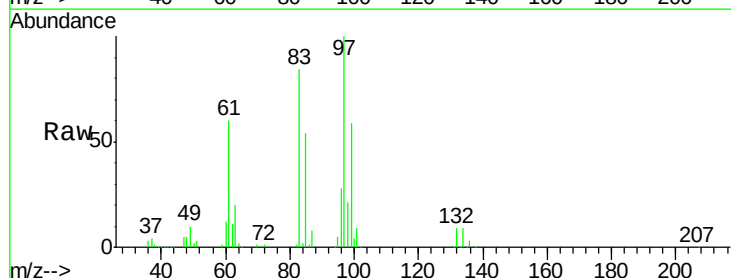
Ion Ratio Lower Upper

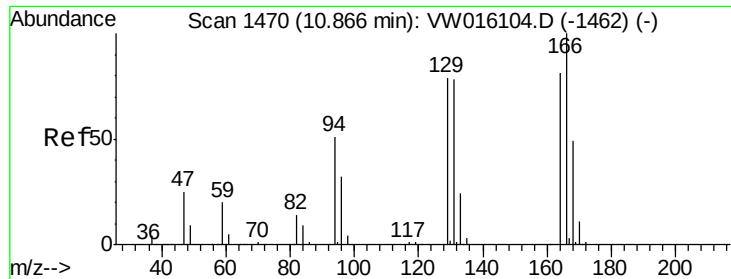
97 100

83 83.5 57.8 107.4

85 53.8 38.0 70.6

99 58.5 44.4 82.4





#47

Tetrachloroethene

Concen: 25.701 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW016123.D

Acq: 11 Aug 2020 07:38

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

Tgt Ion:164 Resp: 107663

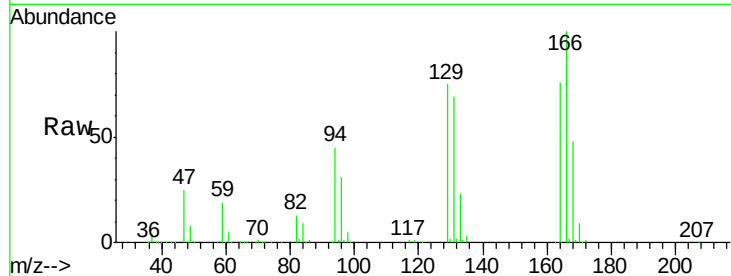
Ion Ratio Lower Upper

164 100

129 98.4 71.5 132.9

131 90.8 65.4 121.4

166 131.6 86.9 161.5

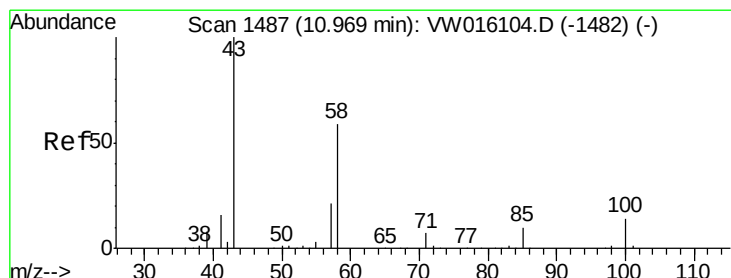
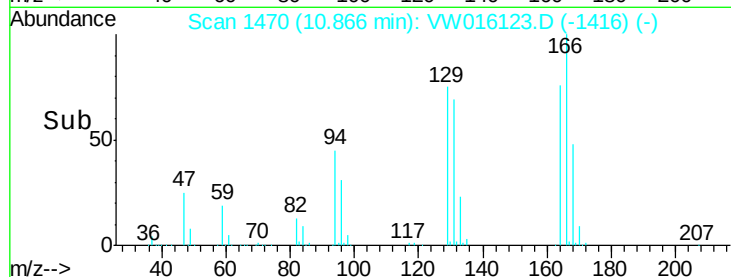
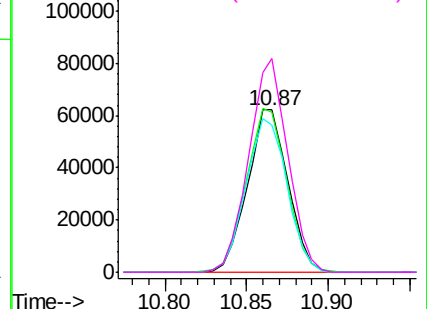


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#49

2-Hexanone

Concen: 43.821 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW016123.D

Acq: 11 Aug 2020 07:38

Tgt Ion: 43 Resp: 90762

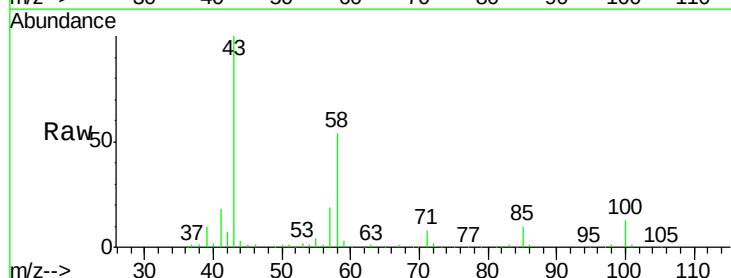
Ion Ratio Lower Upper

43 100

58 56.0 44.2 66.2

57 19.3 15.8 23.6

100 13.3 10.8 16.2

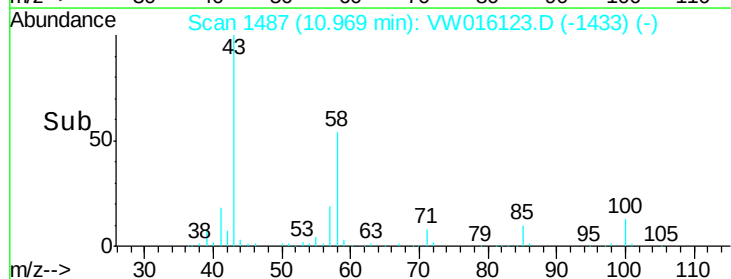
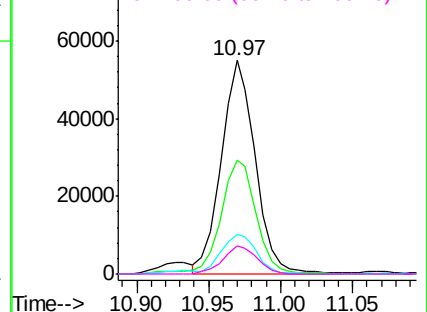


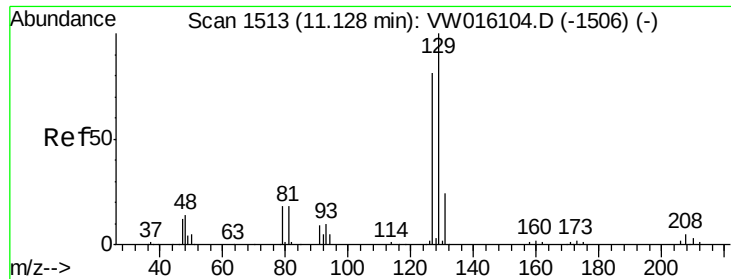
Abundance Ion 43.00 (42.70 to 43.70): VW

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

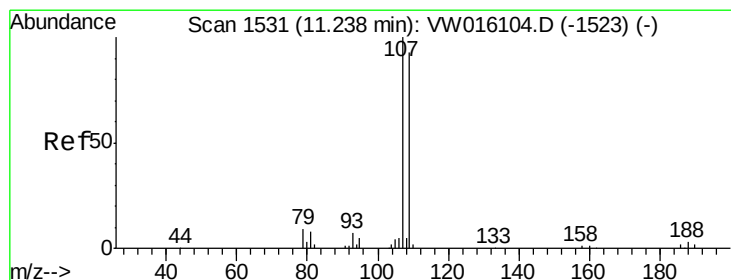
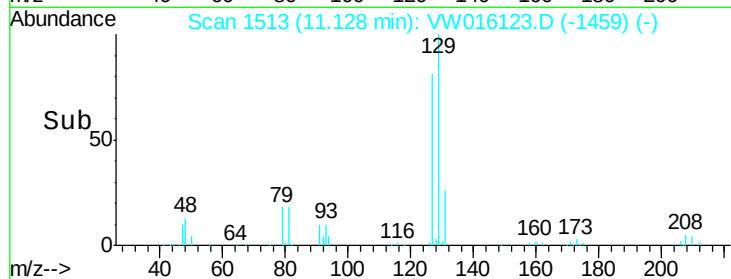
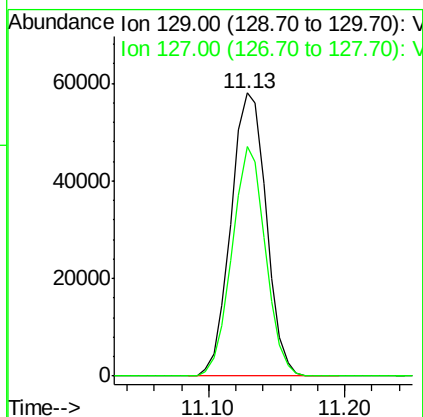
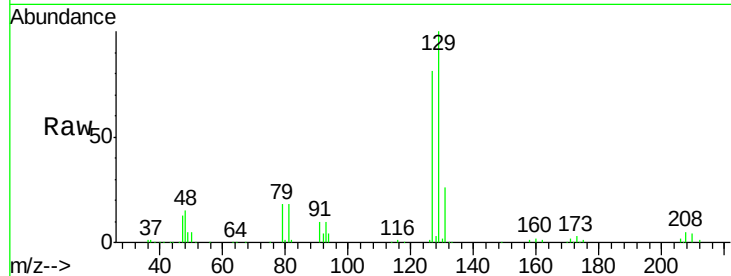




#50
Dibromochloromethane
Concen: 22.239 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW016123.D
Acq: 11 Aug 2020 07:38

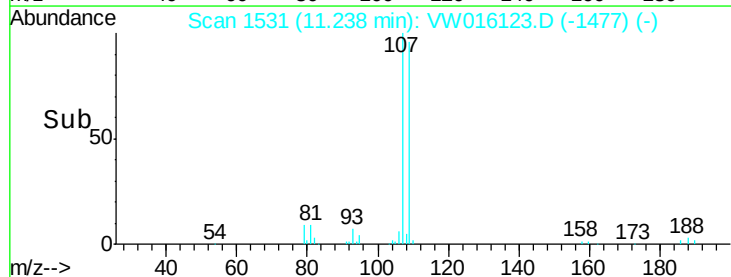
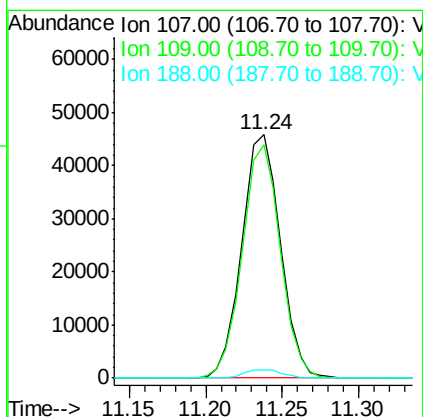
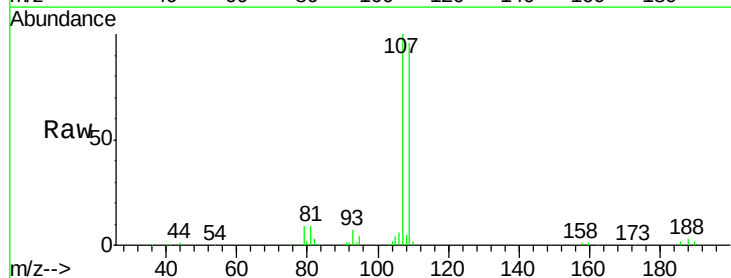
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

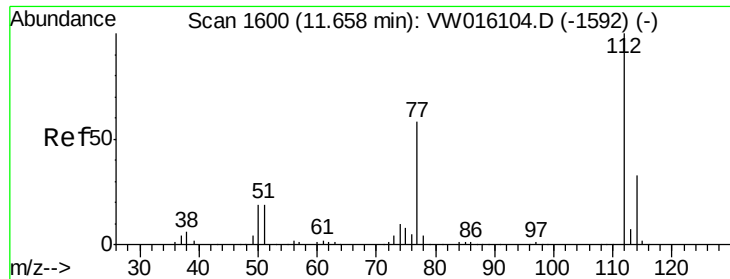
Tgt Ion:129 Resp: 105217
Ion Ratio Lower Upper
129 100
127 81.3 55.4 102.8



#51
1,2-Dibromoethane
Concen: 21.184 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW016123.D
Acq: 11 Aug 2020 07:38

Tgt Ion:107 Resp: 80676
Ion Ratio Lower Upper
107 100
109 95.7 66.0 122.6
188 3.4 2.8 4.2





#52

Chlorobenzene

Concen: 24.098 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW016123.D

Acq: 11 Aug 2020 07:38

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

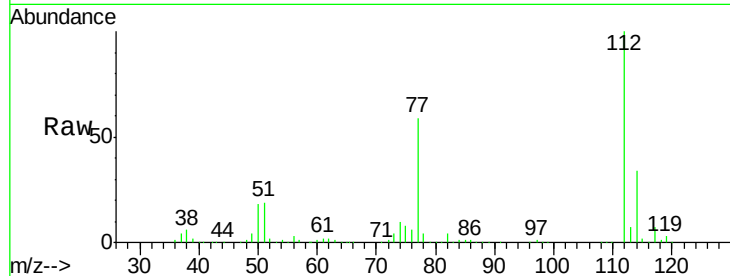
Tgt Ion: 112 Resp: 349771

Ion Ratio Lower Upper

112 100

77 59.2 49.1 73.7

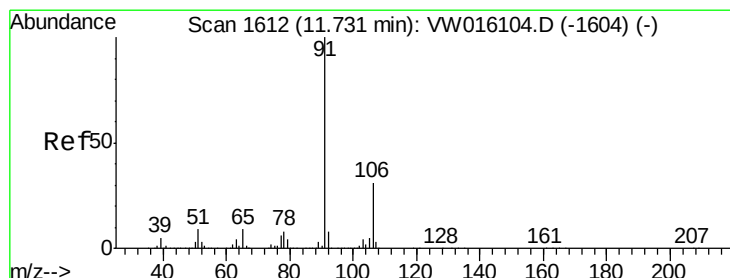
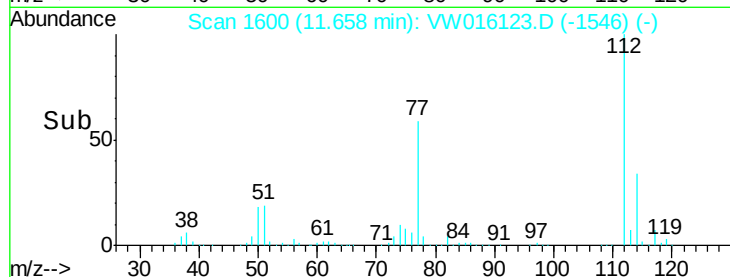
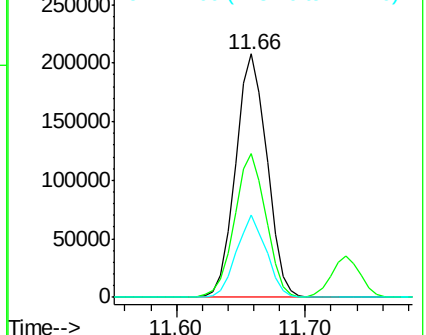
114 33.8 23.5 43.7



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V



#53

Ethylbenzene

Concen: 25.672 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW016123.D

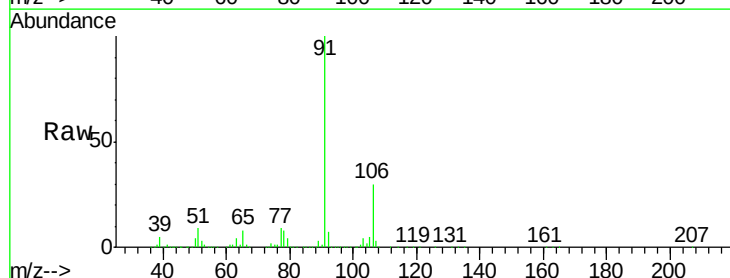
Acq: 11 Aug 2020 07:38

Tgt Ion: 91 Resp: 638956

Ion Ratio Lower Upper

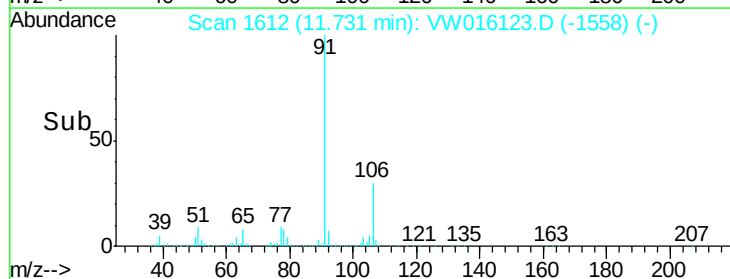
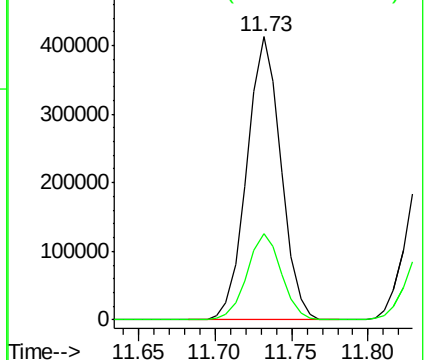
91 100

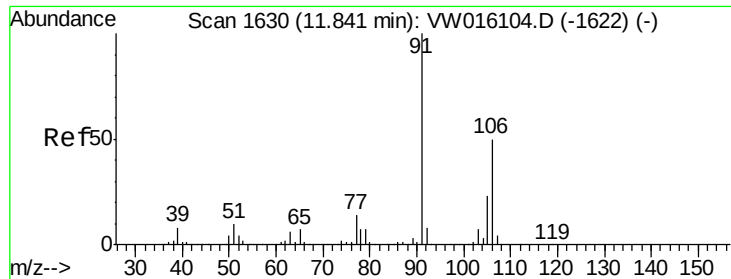
106 30.4 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 25.793 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW016123.D

Acq: 11 Aug 2020 07:38

Instrument :

MSVOA_W

ClientSampleId :

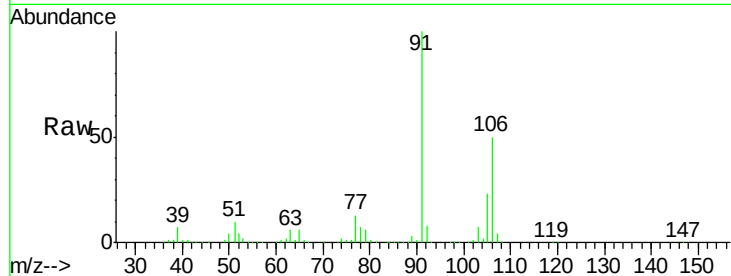
VSTD02509

Tgt Ion:106 Resp: 241487

Ion Ratio Lower Upper

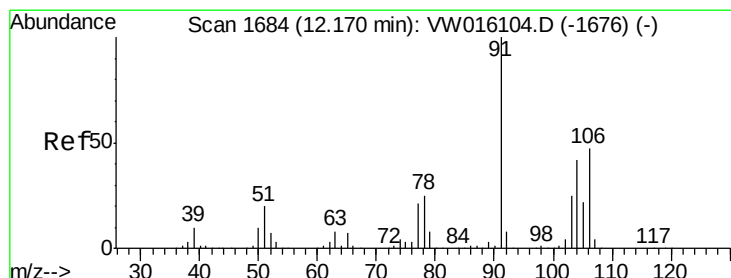
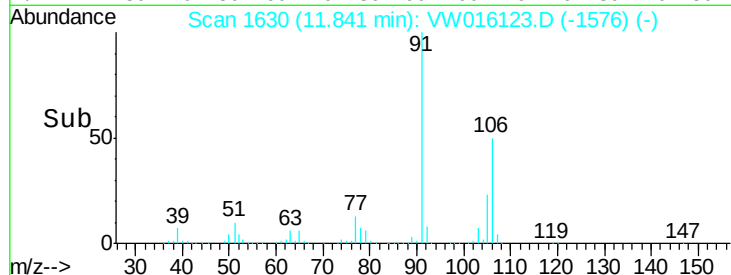
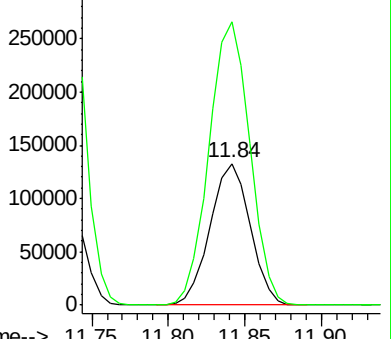
106 100

91 200.3 136.4 253.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 24.878 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VW016123.D

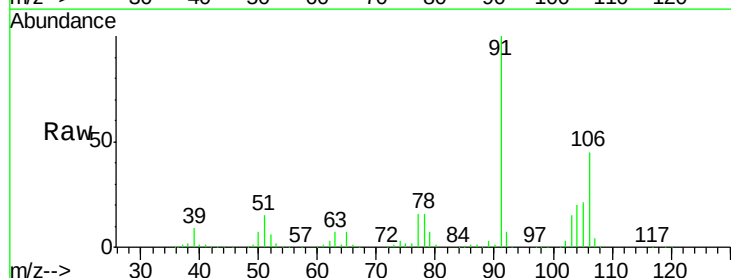
Acq: 11 Aug 2020 07:38

Tgt Ion:106 Resp: 219396

Ion Ratio Lower Upper

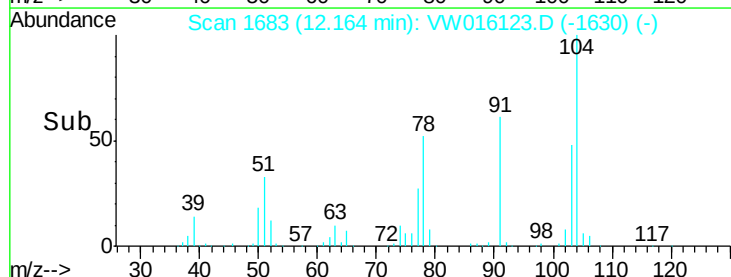
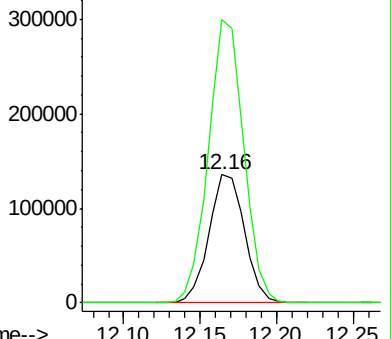
106 100

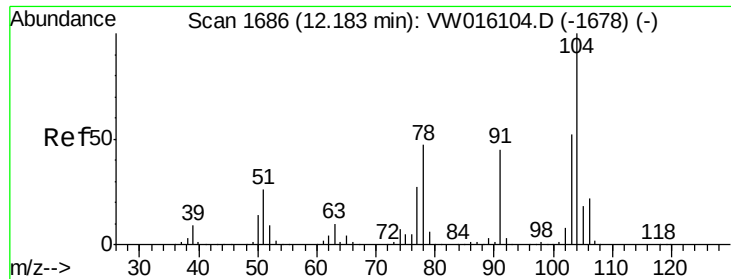
91 221.2 151.3 281.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Styrene

Concen: 25.288 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW016123.D

Acq: 11 Aug 2020 07:38

Instrument :

MSVOA_W

ClientSampleId :

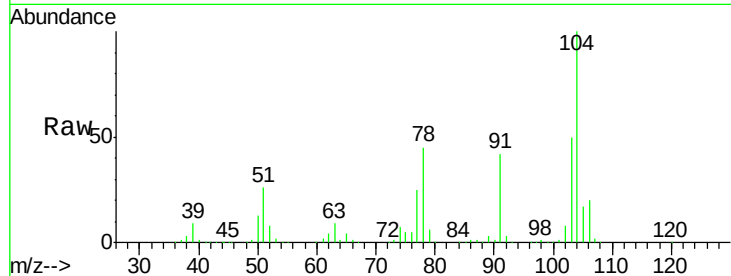
VSTD02509

Tgt Ion:104 Resp: 386108

Ion Ratio Lower Upper

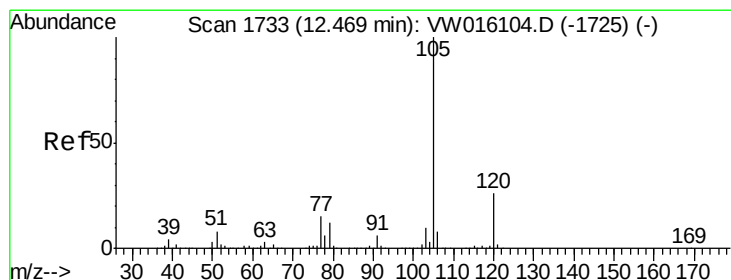
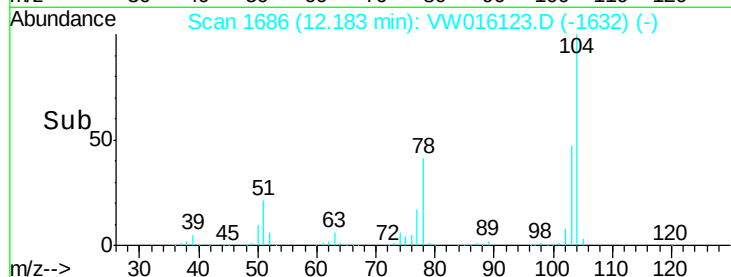
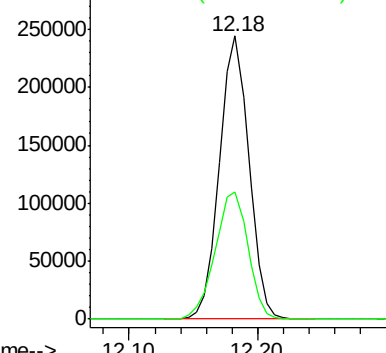
104 100

78 45.0 32.0 59.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV



#57

Isopropylbenzene

Concen: 25.963 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW016123.D

Acq: 11 Aug 2020 07:38

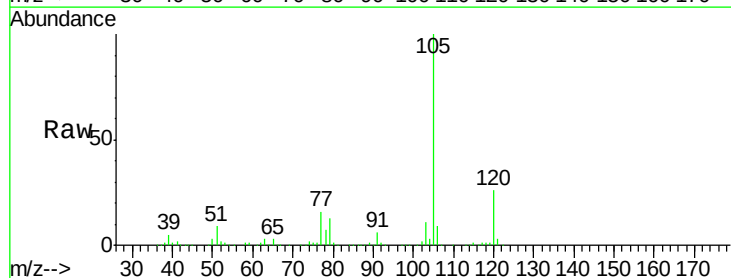
Tgt Ion:105 Resp: 617317

Ion Ratio Lower Upper

105 100

120 26.5 21.0 31.4

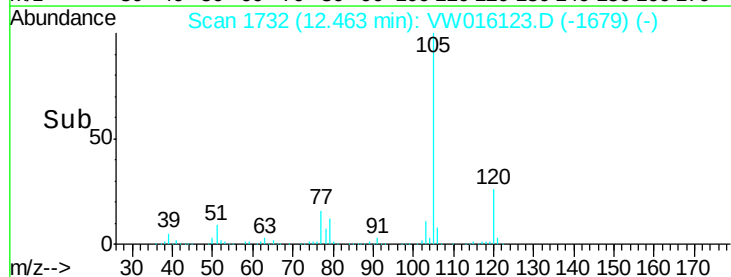
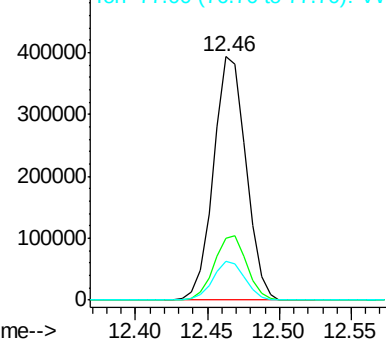
77 15.8 12.6 18.8

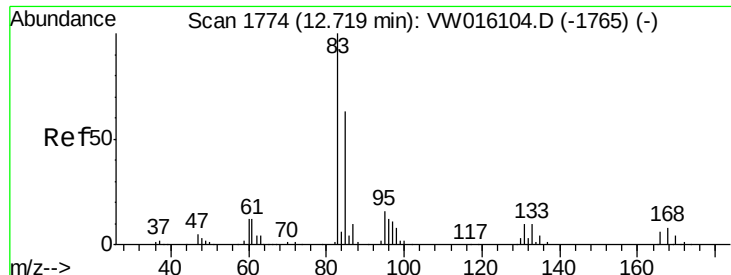


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV





#58

1,1,2,2-Tetrachloroethane

Concen: 21.075 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW016123.D

Acq: 11 Aug 2020 07:38

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

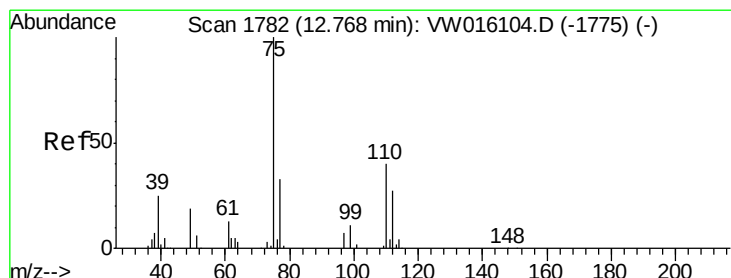
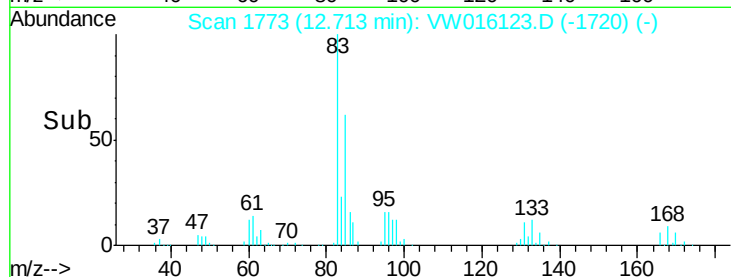
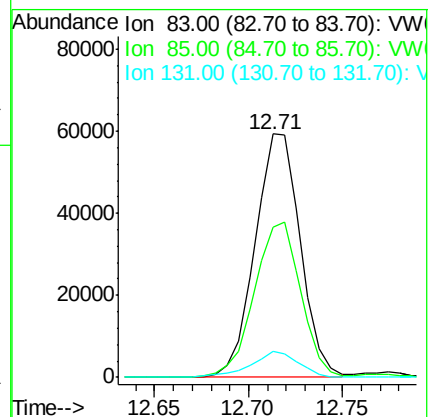
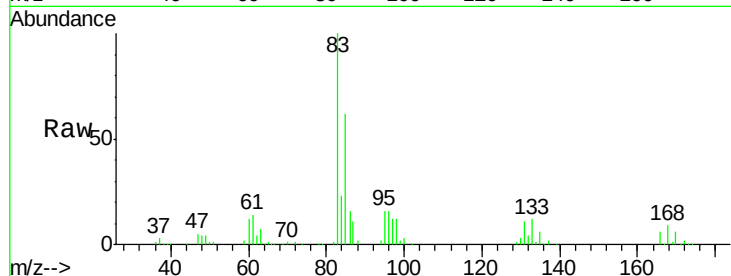
Tgt Ion: 83 Resp: 98781

Ion Ratio Lower Upper

83 100

85 61.8 42.4 78.8

131 10.5 7.8 11.8



#59

1,2,3-Trichloropropane

Concen: 20.473 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW016123.D

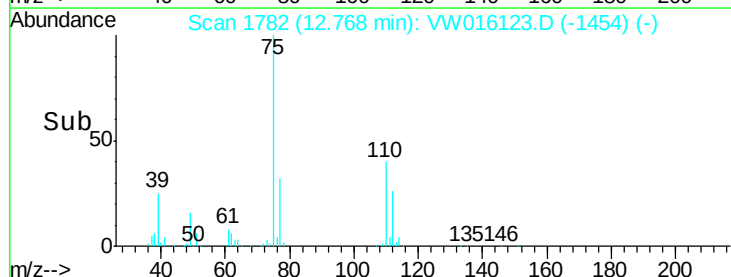
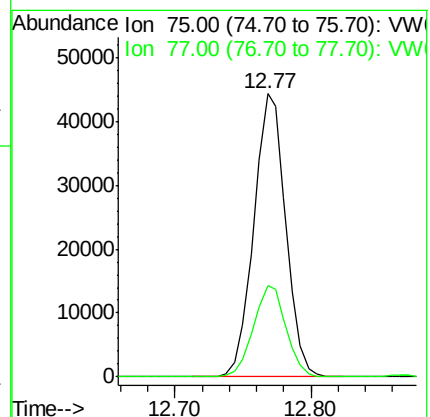
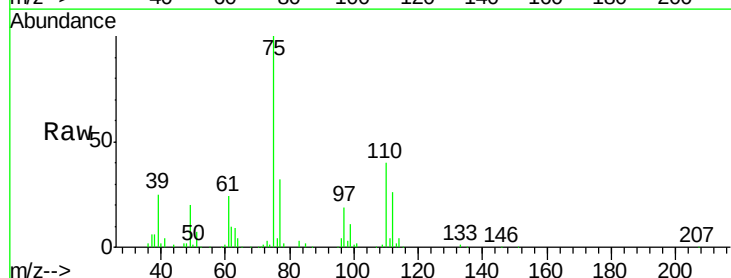
Acq: 11 Aug 2020 07:38

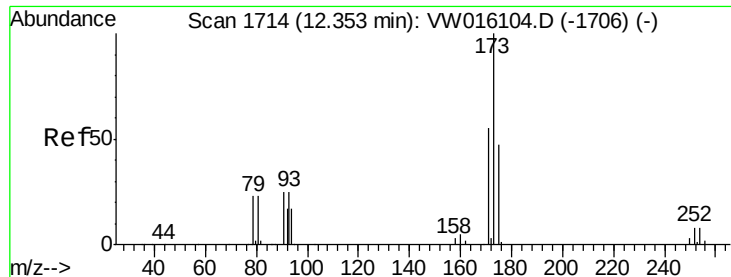
Tgt Ion: 75 Resp: 72697

Ion Ratio Lower Upper

75 100

77 33.0 25.9 38.9





#62

Bromoform

Concen: 20.693 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW016123.D

Acq: 11 Aug 2020 07:38

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

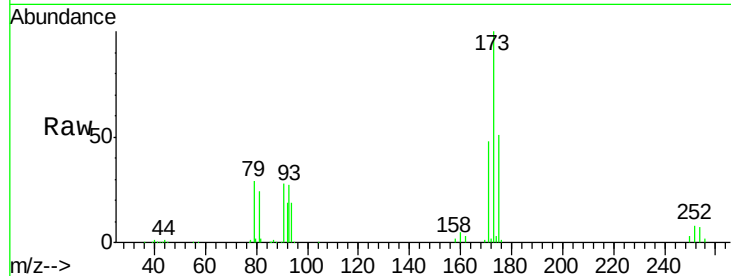
Tgt Ion:173 Resp: 50949

Ion Ratio Lower Upper

173 100

175 50.2 37.8 56.6

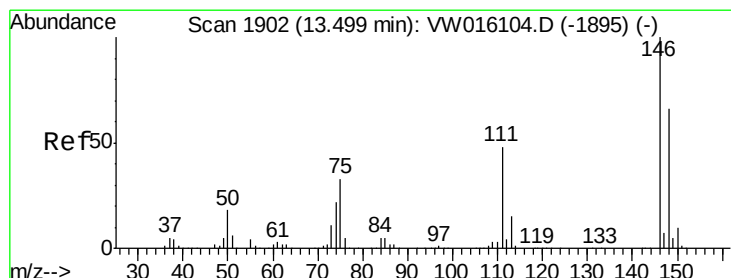
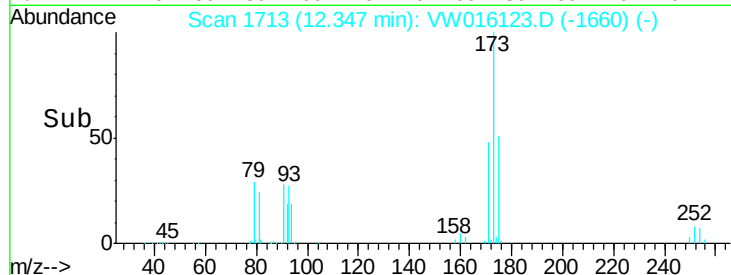
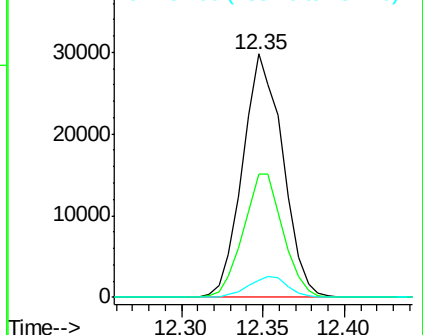
254 8.5 6.8 10.2



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#63

1,3-Dichlorobenzene

Concen: 24.370 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW016123.D

Acq: 11 Aug 2020 07:38

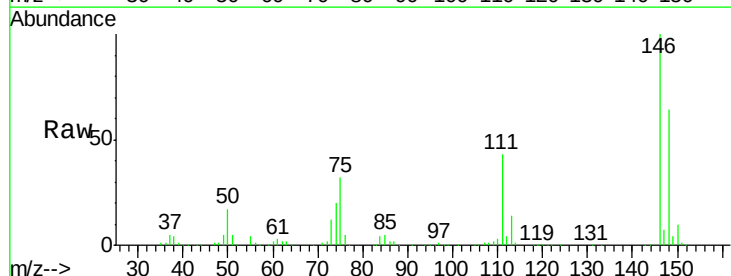
Tgt Ion:146 Resp: 250612

Ion Ratio Lower Upper

146 100

111 42.9 28.9 53.7

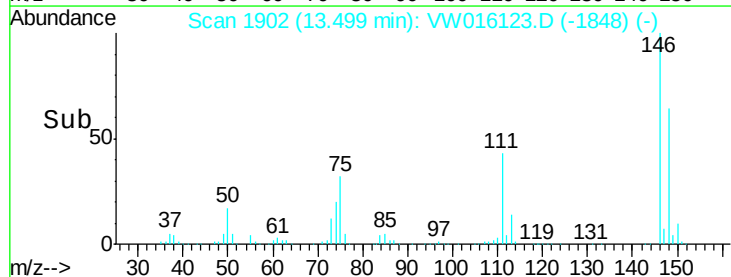
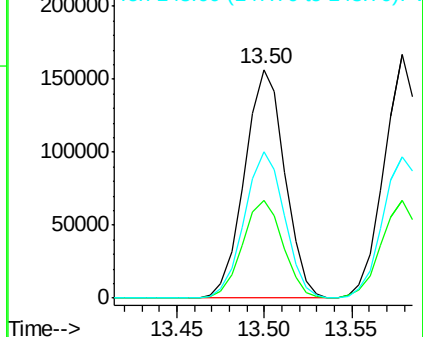
148 64.3 44.7 82.9

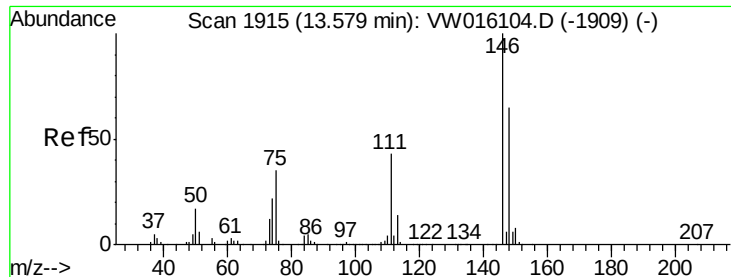


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

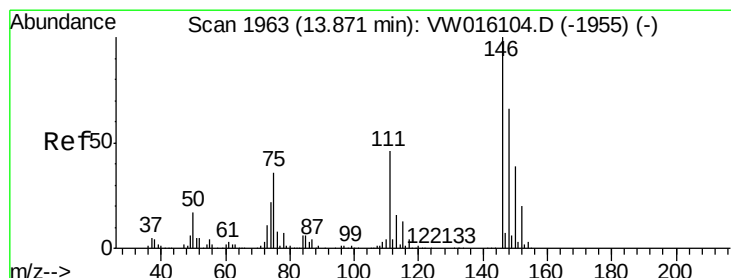
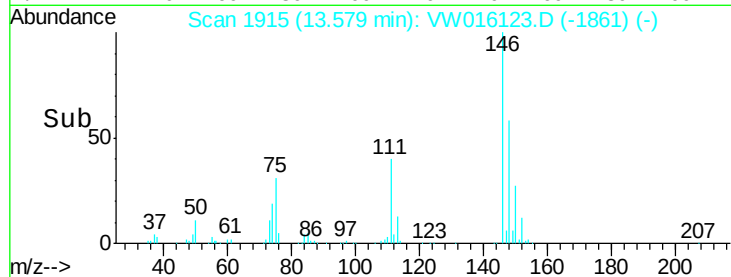
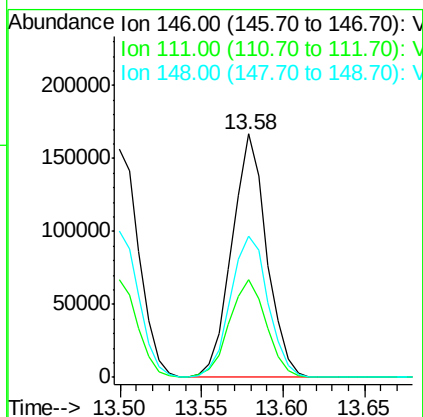
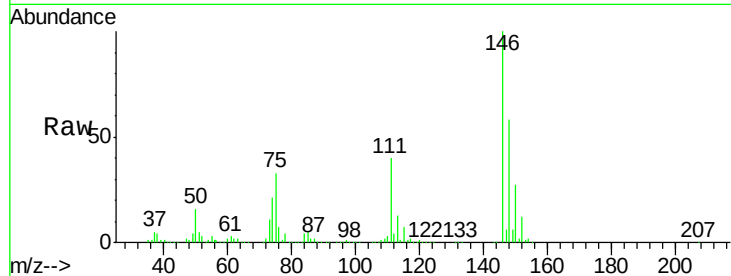




#64
 1,4-Dichlorobenzene
 Concen: 23.615 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016123.D
 Acq: 11 Aug 2020 07:38

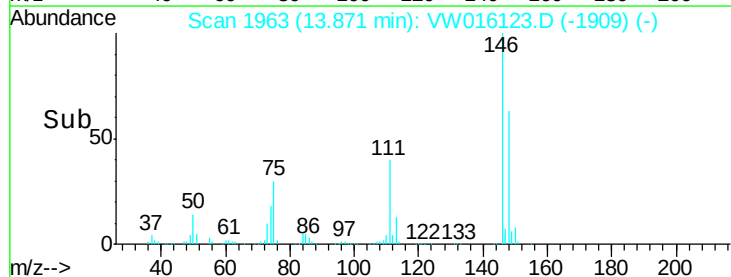
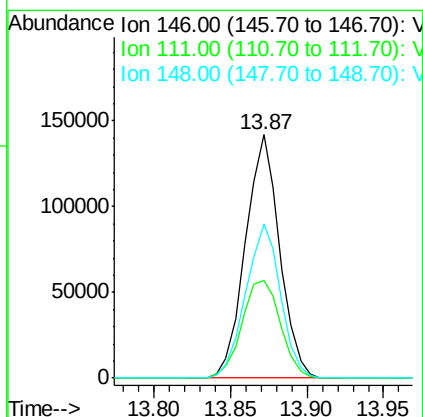
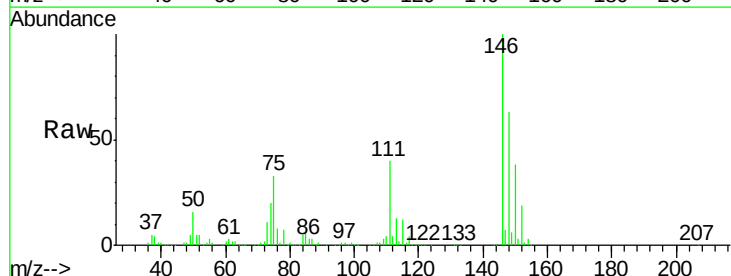
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02509

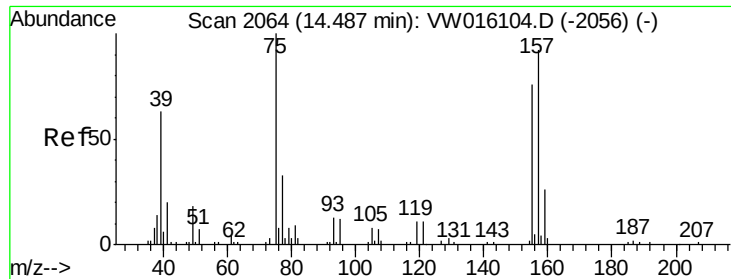
Tgt Ion:146 Resp: 247397
 Ion Ratio Lower Upper
 146 100
 111 40.0 28.6 53.2
 148 58.0 47.7 88.5



#65
 1,2-Dichlorobenzene
 Concen: 23.401 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016123.D
 Acq: 11 Aug 2020 07:38

Tgt Ion:146 Resp: 220637
 Ion Ratio Lower Upper
 146 100
 111 40.2 35.3 52.9
 148 63.0 49.0 73.4

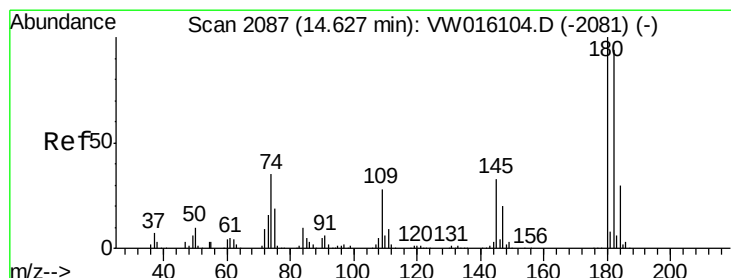
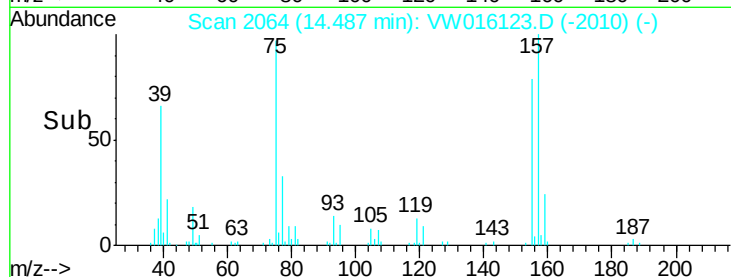
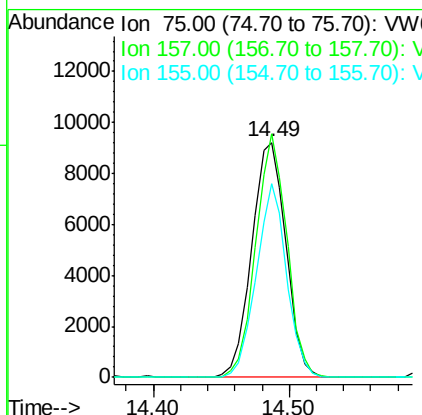
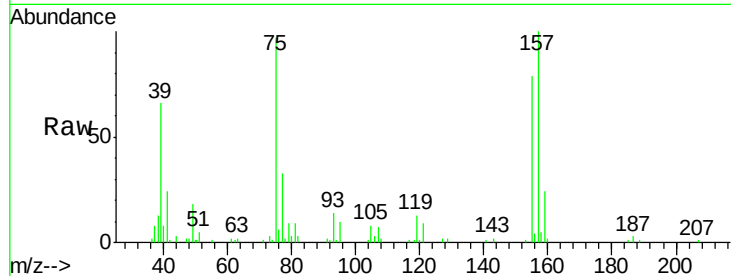




#66
 1,2-Dibromo-3-chloropropane
 Concen: 19.636 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016123.D
 Acq: 11 Aug 2020 07:38

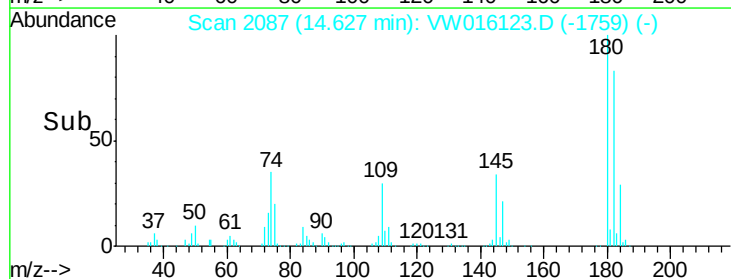
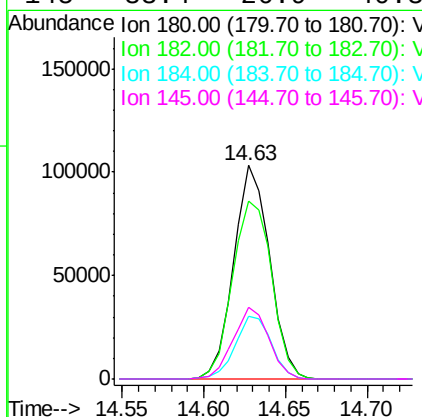
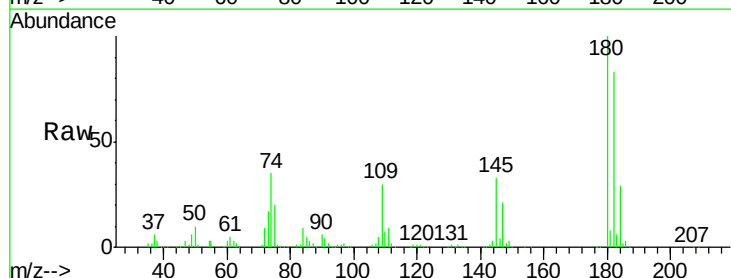
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

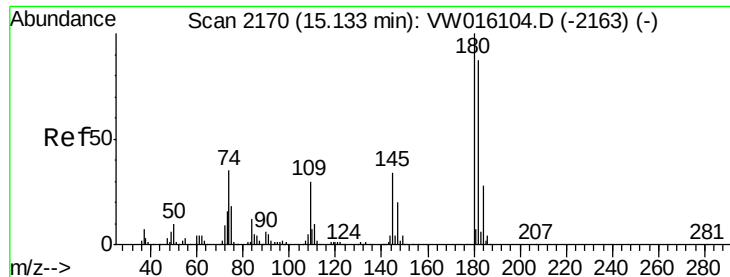
Tgt Ion: 75 Resp: 16235
 Ion Ratio Lower Upper
 75 100
 157 103.6 73.9 110.9
 155 82.2 63.4 95.2



#67
 1,3,5-Trichlorobenzene
 Concen: 24.411 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW016123.D
 Acq: 11 Aug 2020 07:38

Tgt Ion: 180 Resp: 158401
 Ion Ratio Lower Upper
 180 100
 182 90.7 76.3 114.5
 184 29.6 25.1 37.7
 145 33.4 26.9 40.3

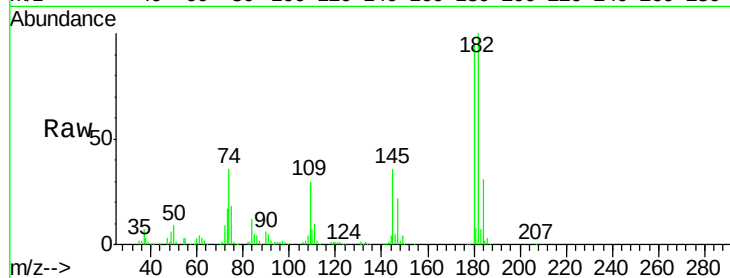




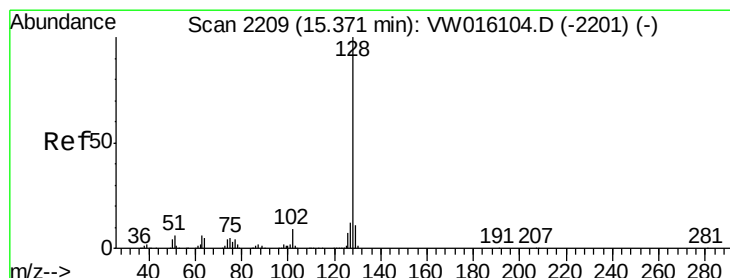
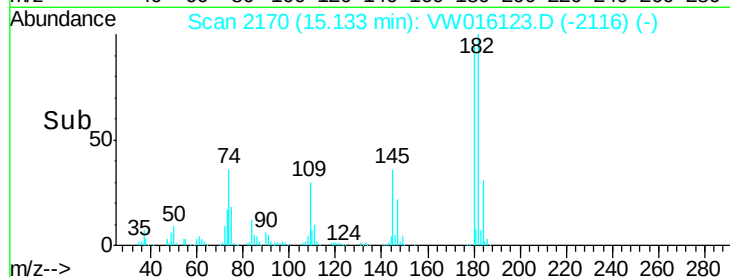
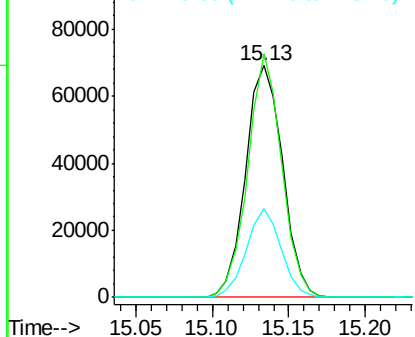
#68
 1,2,4-trichlorobenzene
 Concen: 22.170 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016123.D
 Acq: 11 Aug 2020 07:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

Tgt Ion:	180	Resp:	116595
Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.8	116.8
145	35.7	26.5	39.7

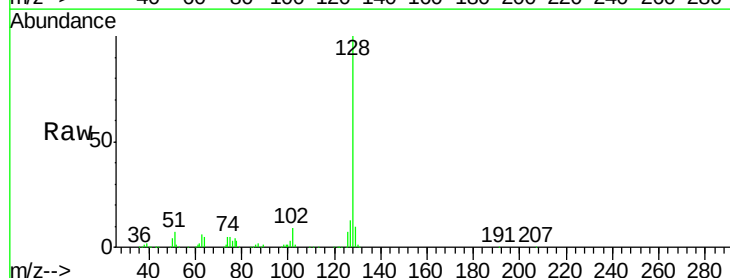


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

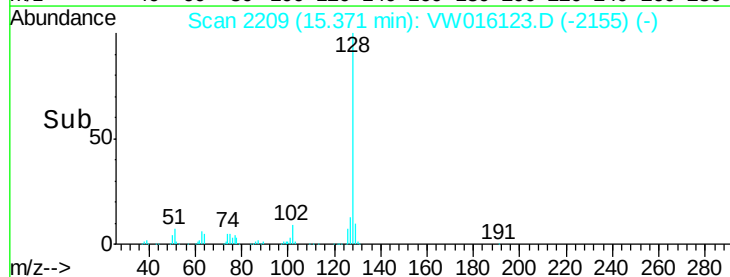
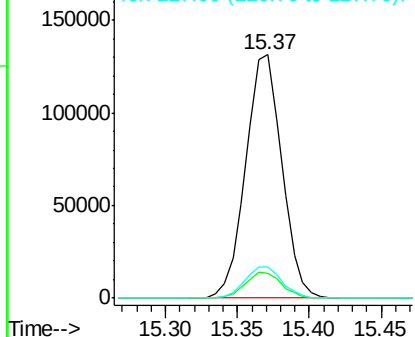


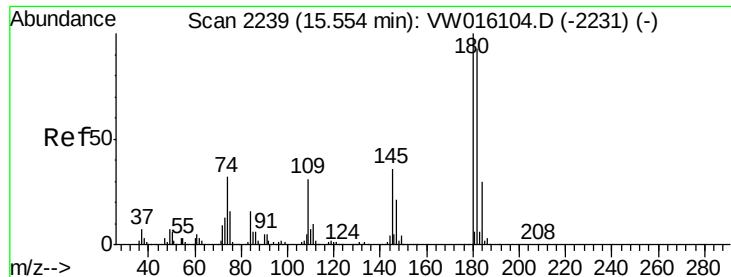
#69
 Naphthalene
 Concen: 20.548 ug/L
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.00 min
 Lab File: VW016123.D
 Acq: 11 Aug 2020 07:38

Tgt Ion:	128	Resp:	228107
Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.8	13.2
127	13.1	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: 21.996 ug/L
 RT: 15.55 min Scan# 2239
 Delta R.T. 0.00 min
 Lab File: VW016123.D
 Acq: 11 Aug 2020 07:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

Tgt Ion:	180	Resp:	105097
Ion	Ratio	Lower	Upper
180	100		
182	93.1	76.0	114.0
145	36.9	29.9	44.9

