

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101619\
 Data File : VW013606.D
 Acq On : 16 Oct 2019 18:11
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

Quant Time: Oct 16 18:45:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101019S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 16 16:38:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	459180	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	416583	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	214030	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	103225	19.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.56%
7) Chloroethane-d5	2.88	69	80784	20.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.08%
10) 1,1-Dichloroethene-d2	4.02	63	236621	21.69	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.76%
20) 2-Butanone-d5	7.07	46	90199	56.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.96%
24) Chloroform-d	7.65	84	225944	22.65	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.60%
26) 1,2-Dichloroethane-d4	8.31	65	121049	23.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.68%
29) Benzene-d6	8.27	84	479330	21.48	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.92%
33) 1,2-Dichloropropane-d6	9.27	67	145315	21.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.80%
37) Toluene-d8	10.32	98	450257	21.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.04%
38) trans-1,3-Dichloropropene-	10.58	79	63269	21.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.80%
39) 2-Hexanone-d5	10.93	63	73926	55.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.64%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	135170	25.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.88%
61) 1,2-Dichlorobenzene-d4	13.85	152	167776	21.81	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.24%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	62112	24.824	ug/L 98
3) Chloromethane	2.21	50	94945	21.597	ug/L 96
5) Vinyl chloride	2.35	62	142352	22.887	ug/L 100
6) Bromomethane	2.78	94	87304	22.916	ug/L 98
8) Chloroethane	2.92	64	79720	22.851	ug/L 99
9) Trichlorofluoromethane	3.25	101	70925	21.873	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	136349	23.694	ug/L 99
12) 1,1-Dichloroethene	4.04	96	137042	23.775	ug/L 95
13) Acetone	4.13	43	73160	40.211	ug/L 99
14) Carbon disulfide	4.38	76	394501	22.427	ug/L 99
15) Methyl Acetate	4.67	43	82274	28.990	ug/L 100
16) Methylene chloride	4.92	84	145419	20.909	ug/L 97
17) Methyl tert-butyl Ether	5.42	73	236538	25.536	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	146952	23.891	ug/L 96
19) 1,1-Dichloroethane	6.21	63	249634	24.173	ug/L 95
21) 2-Butanone	7.17	43	115820	52.036	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	157610	23.958	ug/L 97

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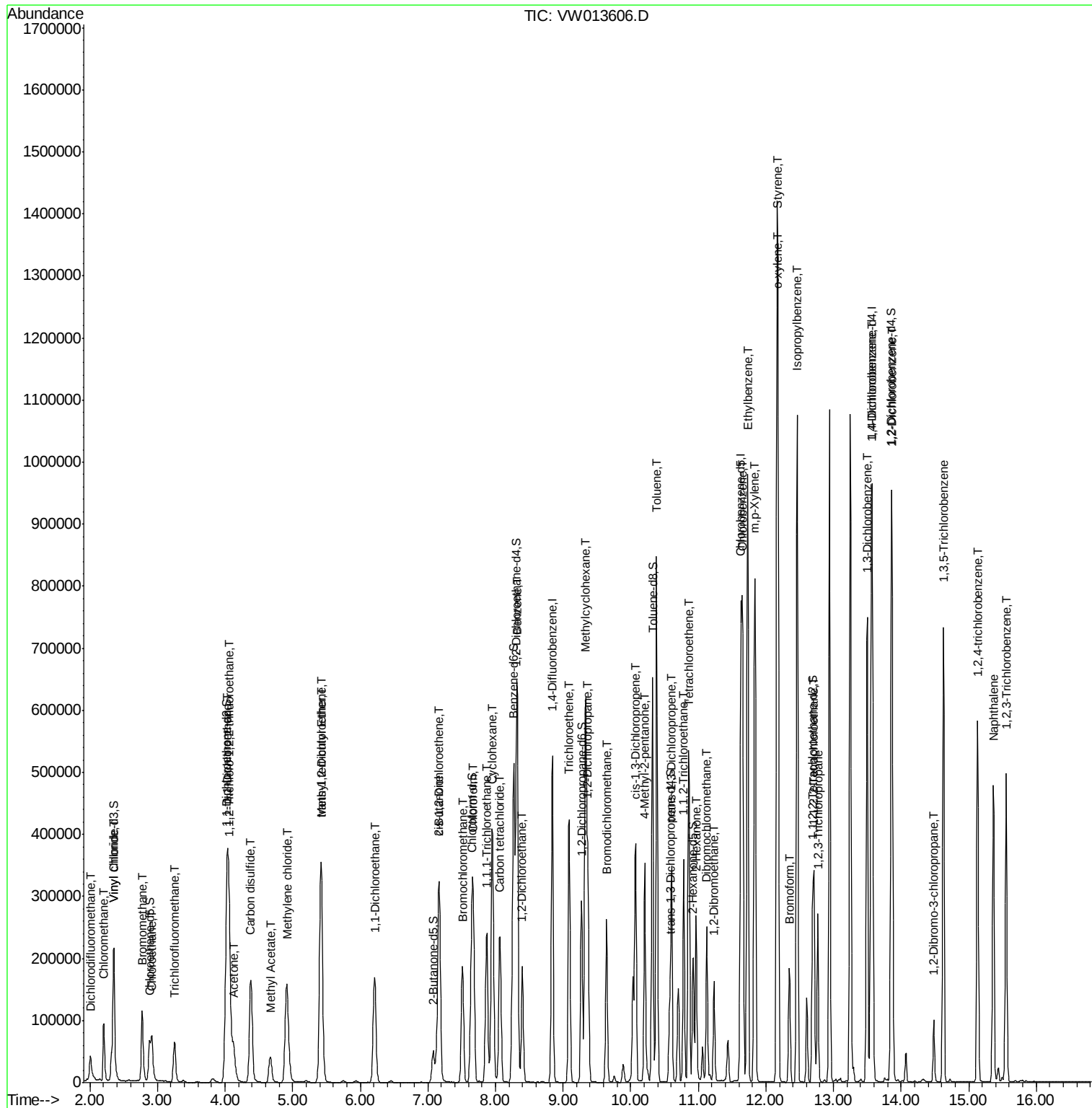
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	72082	24.470	ug/L	98
25) Chloroform	7.67	83	250715	24.610	ug/L	99
27) 1,2-Dichloroethane	8.40	62	167366	25.974	ug/L	100
30) Cyclohexane	7.95	56	244457	22.318	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	197931	23.590	ug/L	99
32) Carbon tetrachloride	8.07	117	189440	23.538	ug/L	99
34) Benzene	8.32	78	589987	23.443	ug/L	100
35) Trichloroethene	9.09	95	152072	23.165	ug/L	99
36) Methylcyclohexane	9.34	83	266314	22.308	ug/L	99
40) 1,2-Dichloropropane	9.37	63	144264	23.795	ug/L	99
41) Bromodichloromethane	9.64	83	181080	24.317	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	231963	23.849	ug/L	95
43) 4-Methyl-2-pentanone	10.21	43	236810	55.982	ug/L	100
44) Toluene	10.38	91	645521	23.668	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	191797	24.973	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	117675	25.569	ug/L	98
47) Tetrachloroethene	10.86	164	138331	23.121	ug/L	99
49) 2-Hexanone	10.97	43	168491	54.805	ug/L	99
50) Dibromochloromethane	11.13	129	138531	25.566	ug/L	99
51) 1,2-Dibromoethane	11.24	107	117134	25.910	ug/L	98
52) Chlorobenzene	11.66	112	408678	23.609	ug/L	100
53) Ethylbenzene	11.73	91	708222	23.458	ug/L	98
54) m,p-Xylene	11.84	106	278763	23.669	ug/L	97
55) o-xylene	12.16	106	262637	23.890	ug/L	99
56) Styrene	12.18	104	457987	24.461	ug/L	100
57) Isopropylbenzene	12.46	105	708154	23.745	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	152149	27.982	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	114296	28.151	ug/L	100
62) Bromoform	12.35	173	91705	26.639	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	332860	23.209	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	331015	23.186	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	304847	23.640	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	24767	27.820	ug/L	99
67) 1,3,5-Trichlorobenzene	14.63	180	245729	22.701	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	205615	22.917	ug/L	98
69) Naphthalene	15.36	128	422846	25.875	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	188953	23.651	ug/L	99

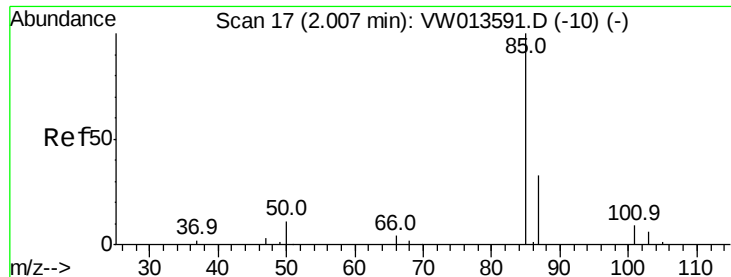
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#2

Dichlorodifluoromethane

Concen: 24.824 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW013606.D

Acq: 16 Oct 2019 18:11

Instrument :

MSVOA_W

ClientSampleId :

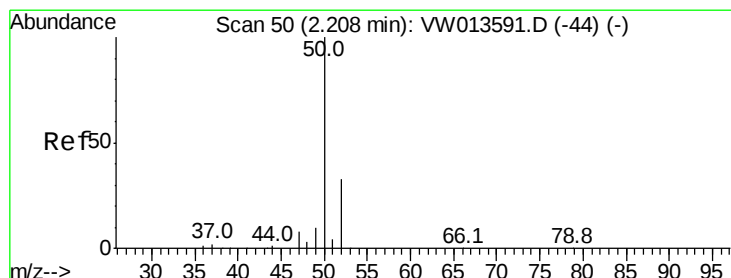
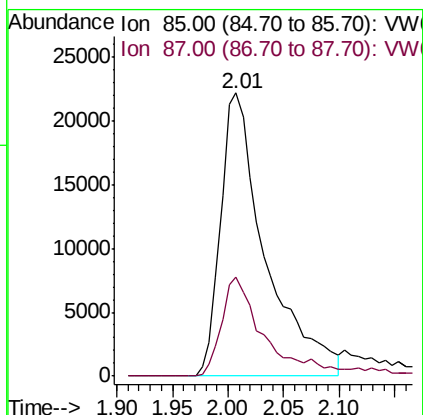
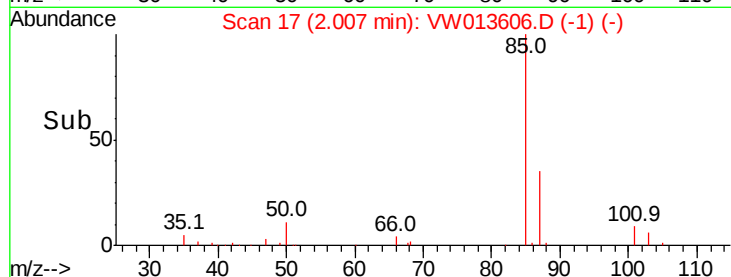
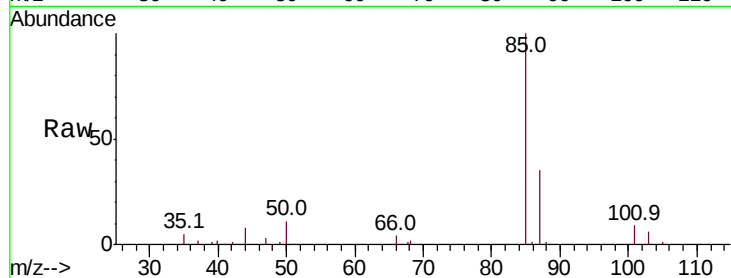
VSTD02518

Tot Ion: 85 Resp: 62112

Ion Ratio Lower Upper

85 100

87 30.3 20.4 38.0



#3

Chloromethane

Concen: 21.597 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013606.D

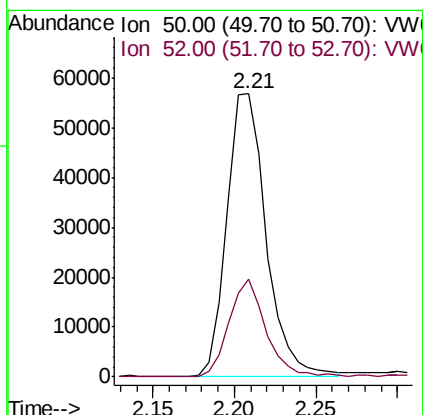
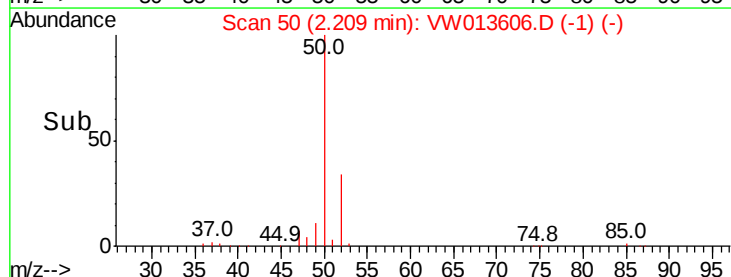
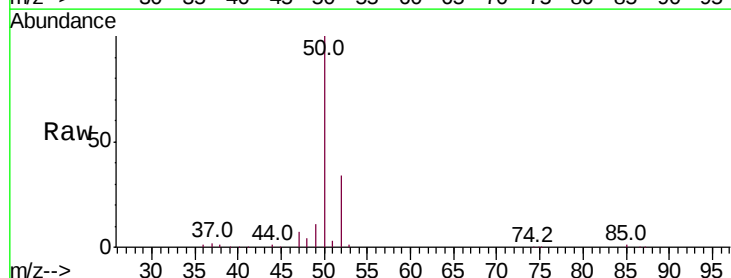
Acq: 16 Oct 2019 18:11

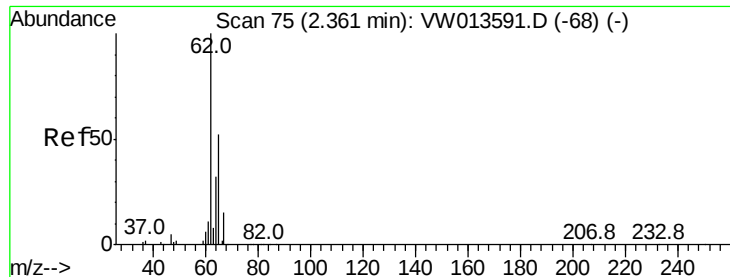
Tgt Ion: 50 Resp: 94945

Ion Ratio Lower Upper

50 100

52 34.4 22.6 42.0





#5

Vinyl chloride

Concen: 22.887 ug/L

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW013606.D

Acq: 16 Oct 2019 18:11

Instrument :

MSVOA_W

ClientSampleID :

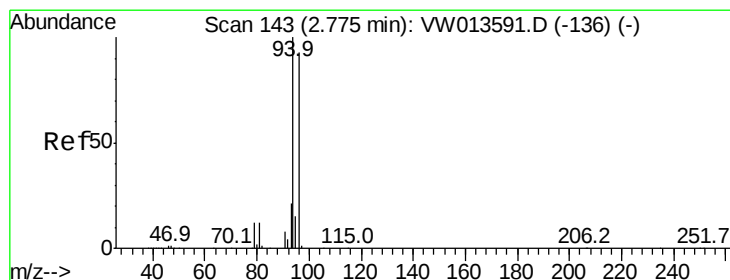
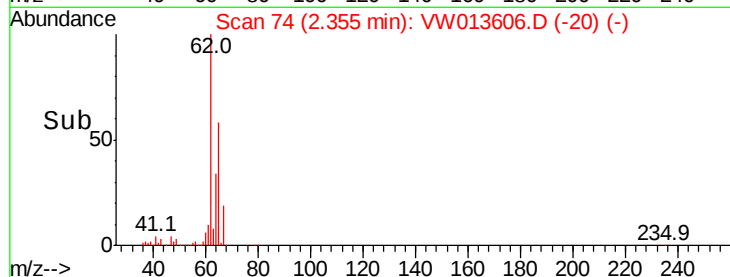
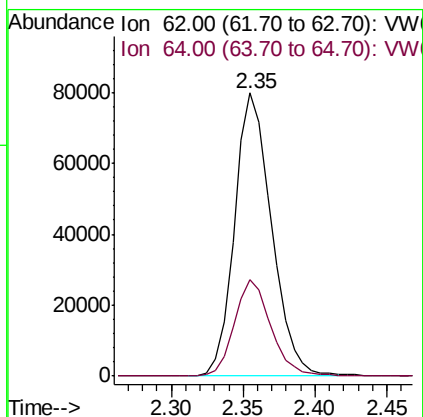
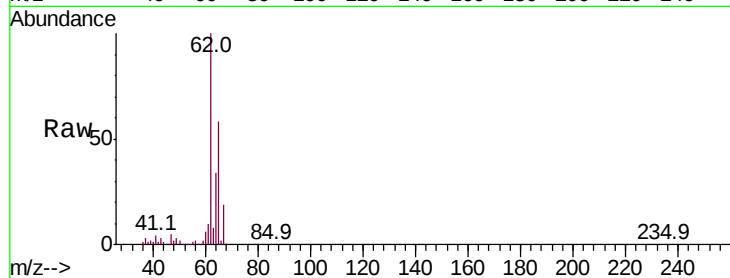
VSTD02518

Tot Ion: 62 Resp: 142352

Ion Ratio Lower Upper

62 100

64 34.2 23.9 44.3



#6

Bromomethane

Concen: 22.916 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW013606.D

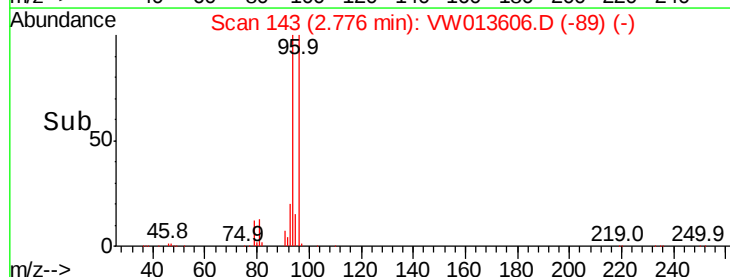
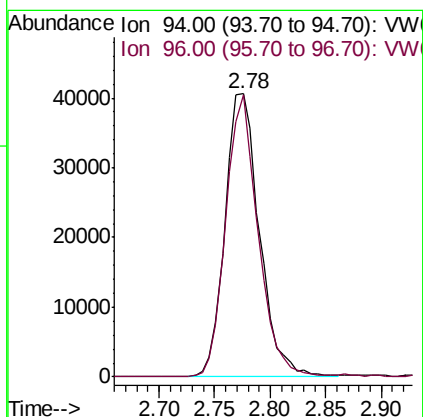
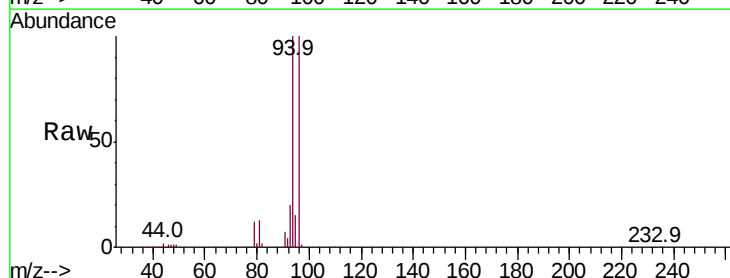
Acq: 16 Oct 2019 18:11

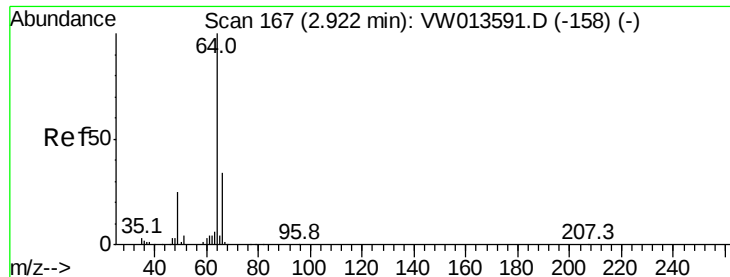
Tgt Ion: 94 Resp: 87304

Ion Ratio Lower Upper

94 100

96 93.2 9.5 179.9





#8

Chloroethane

Concen: 22.851 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013606.D

Acq: 16 Oct 2019 18:11

Instrument :

MSVOA_W

ClientSampleId :

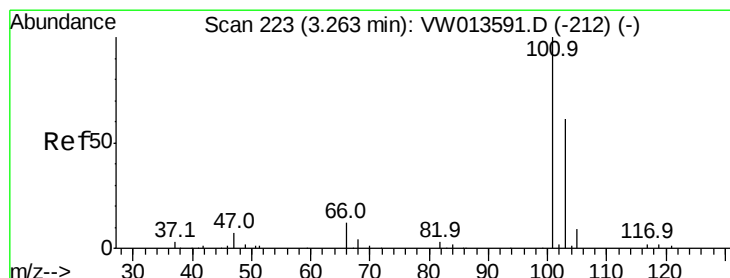
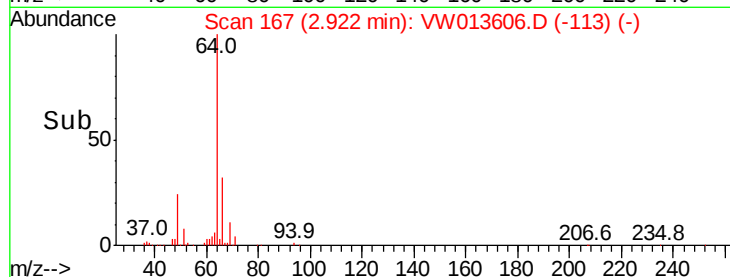
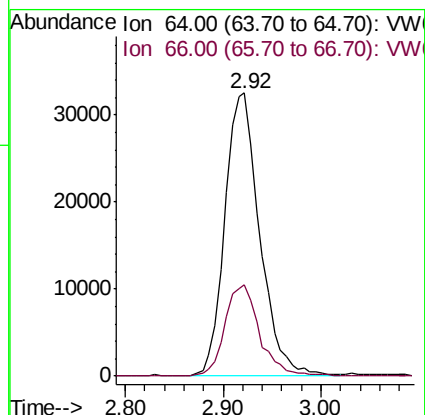
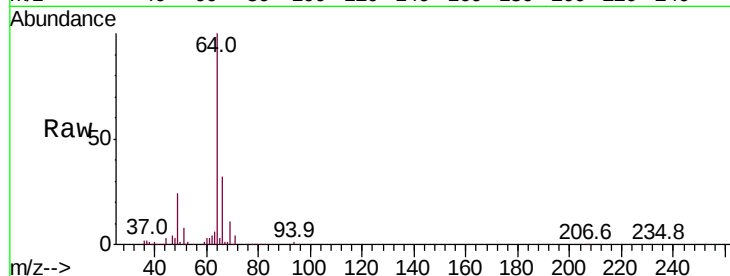
VSTD02518

Tot Ion: 64 Resp: 79720

Ion Ratio Lower Upper

64 100

66 32.3 23.2 43.0



#9

Trichlorofluoromethane

Concen: 21.873 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW013606.D

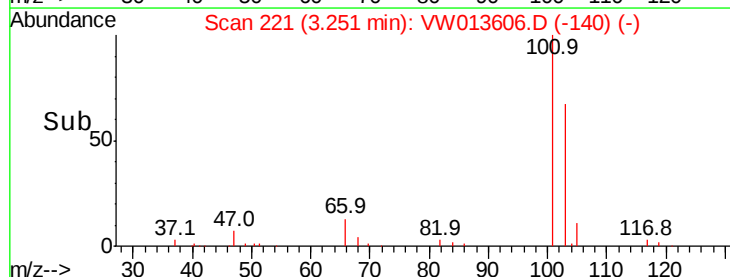
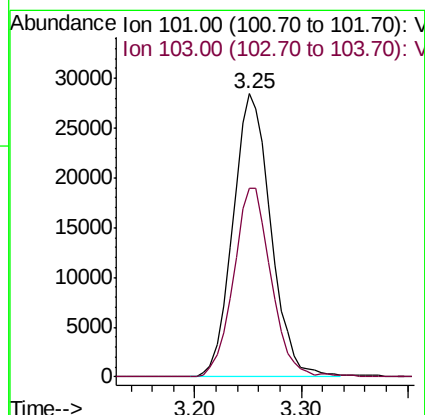
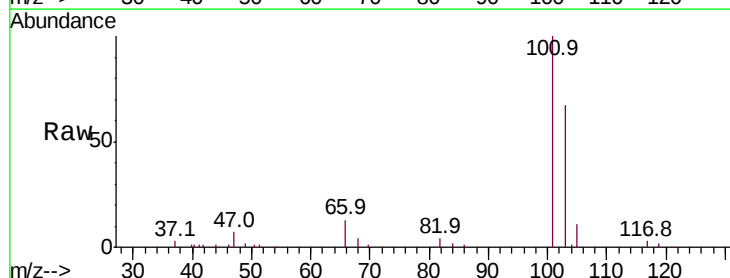
Acq: 16 Oct 2019 18:11

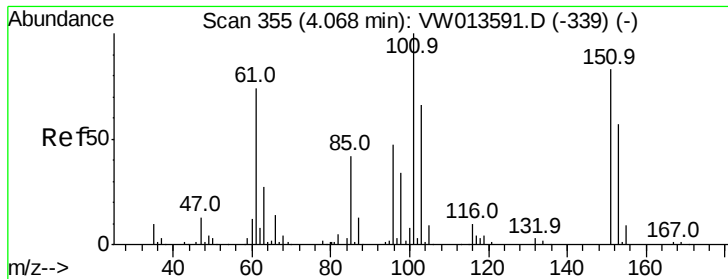
Tgt Ion: 101 Resp: 70925

Ion Ratio Lower Upper

101 100

103 65.6 46.0 85.4





#11

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

Concen: 23.694 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW013606.D

Acq: 16 Oct 2019 18:11

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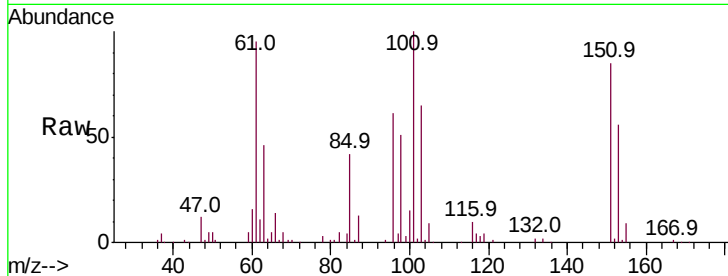
Tot Ion:101 Resp: 136349

Ion Ratio Lower Upper

101 100

85 39.6 32.0 48.0

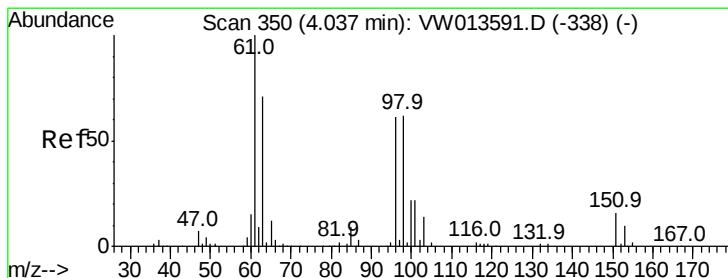
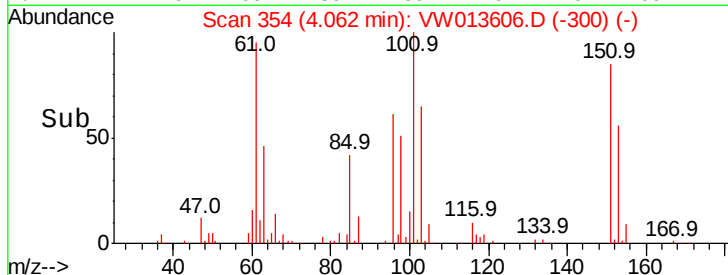
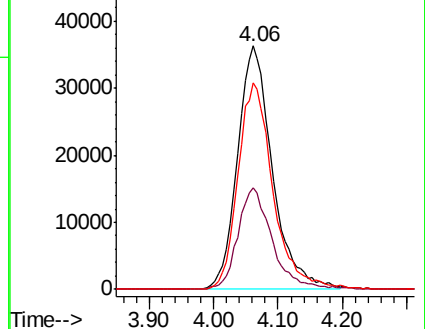
151 82.9 67.0 100.6



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: 23.775 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW013606.D

Acq: 16 Oct 2019 18:11

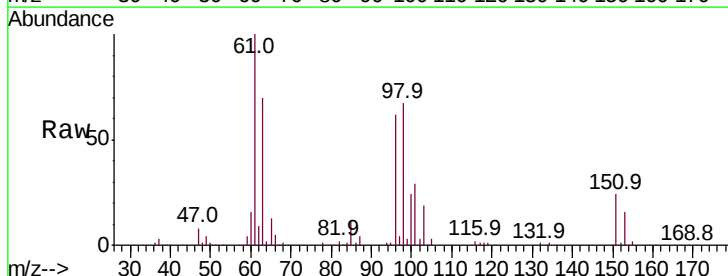
Tgt Ion: 96 Resp: 137042

Ion Ratio Lower Upper

96 100

61 161.5 111.0 206.2

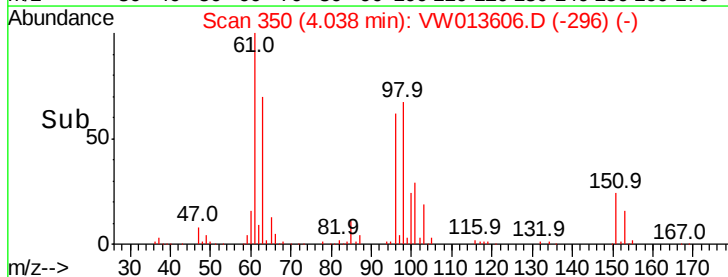
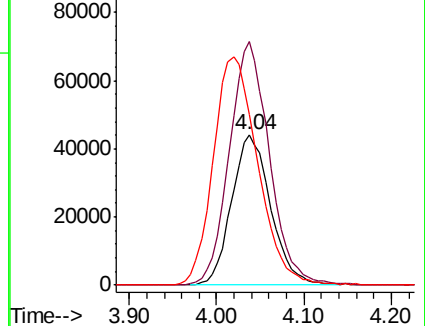
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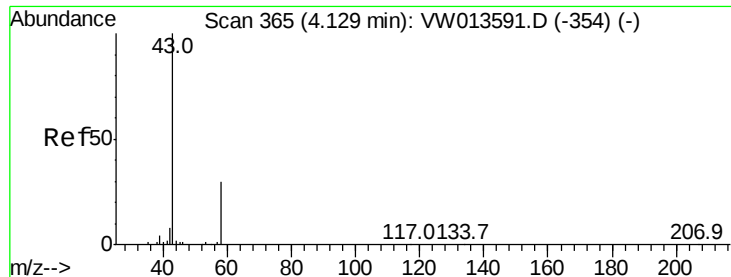


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 40.211 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

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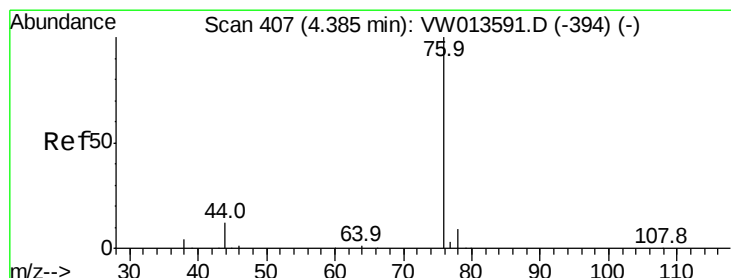
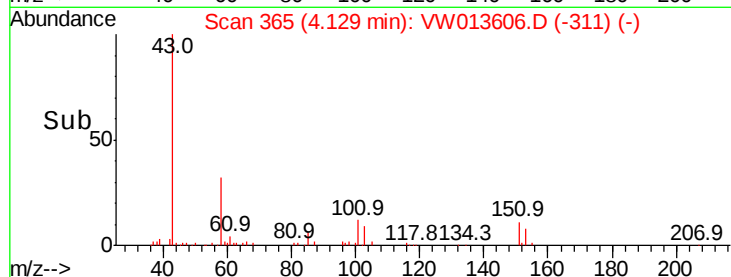
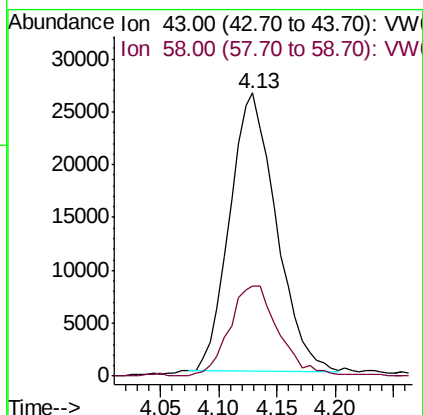
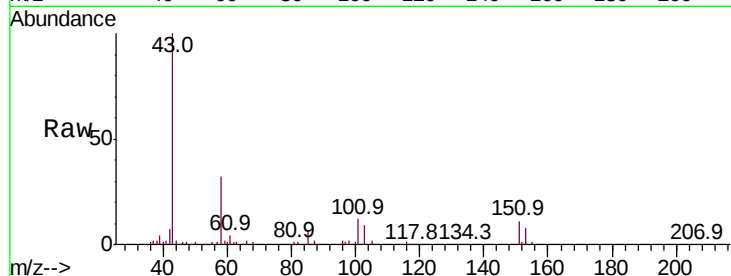
VSTD02518

Tot Ion: 43 Resp: 73160

Ion Ratio Lower Upper

43 100

58 34.2 0.0 67.8



#14

Carbon disulfide

Concen: 22.427 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW013606.D

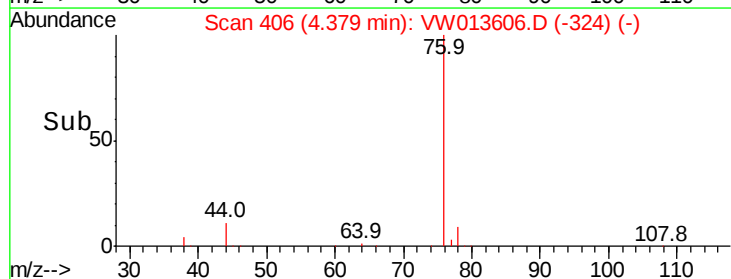
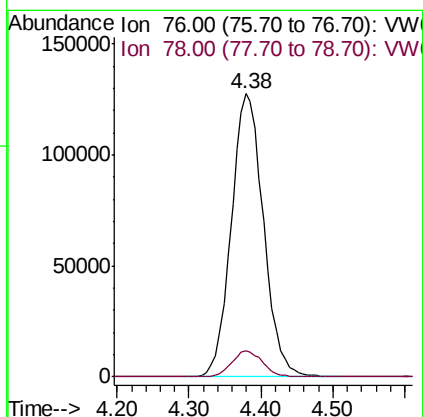
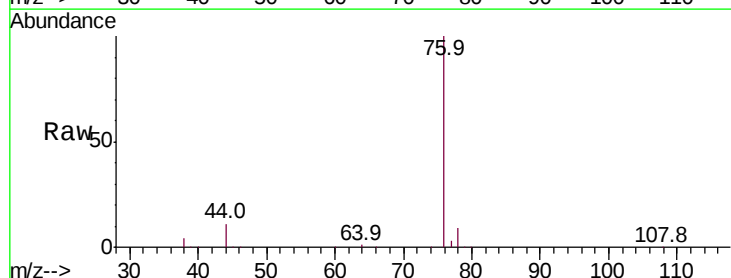
Acq: 16 Oct 2019 18:11

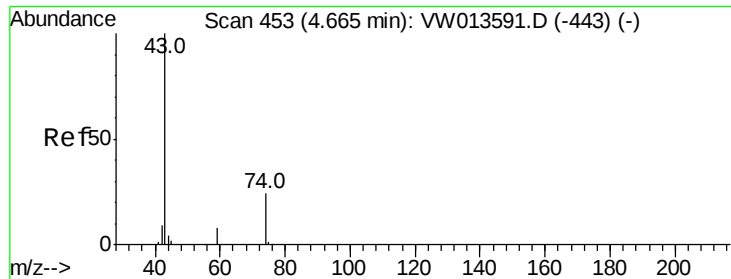
Tgt Ion: 76 Resp: 394501

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7

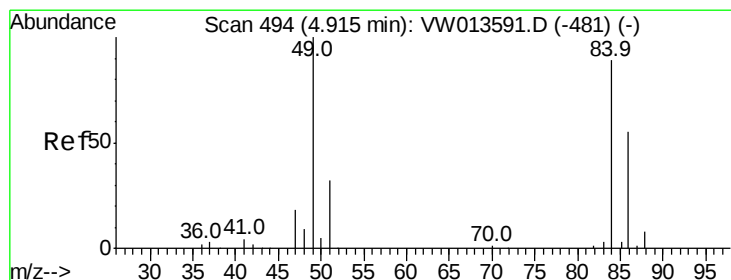
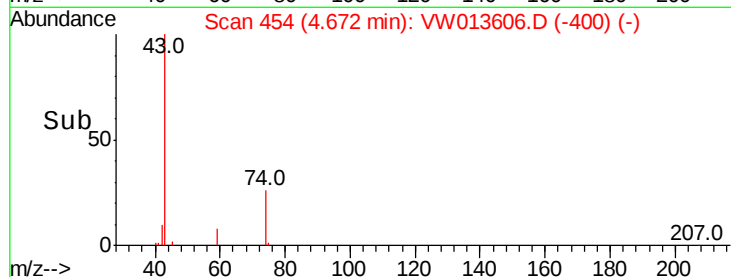
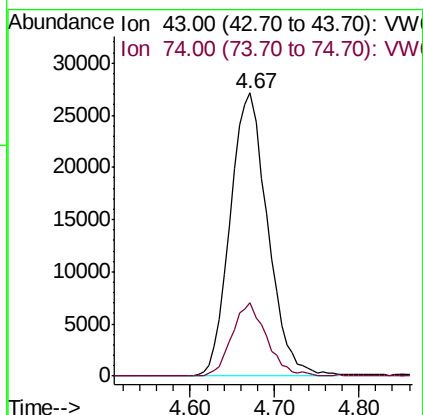
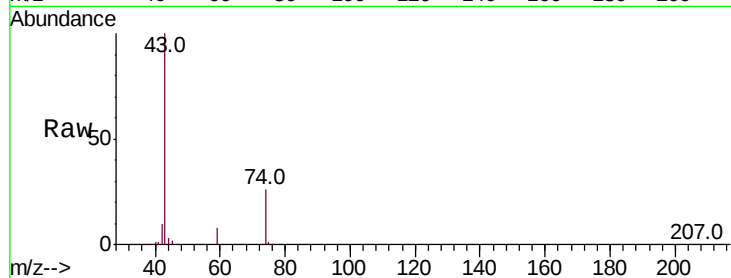




#15
Methyl Acetate
Concen: 28.990 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW013606.D
Acq: 16 Oct 2019 18:11

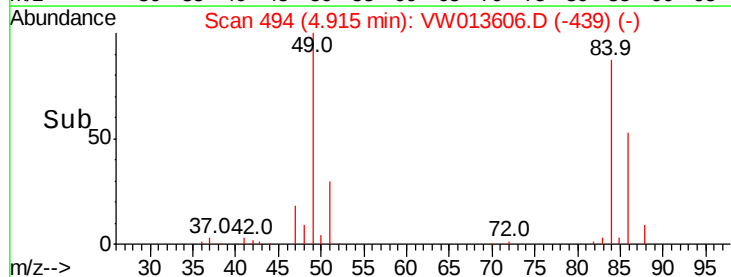
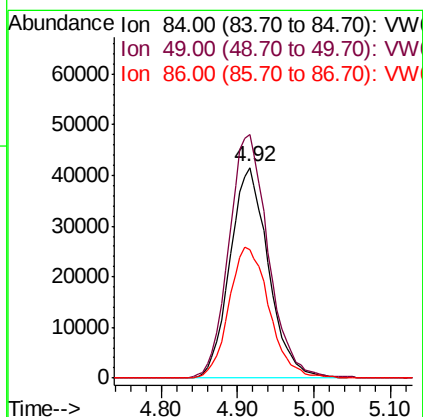
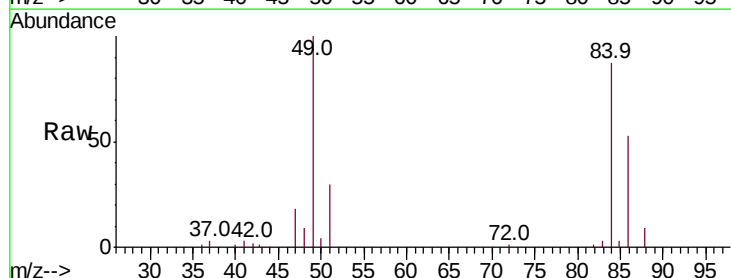
Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

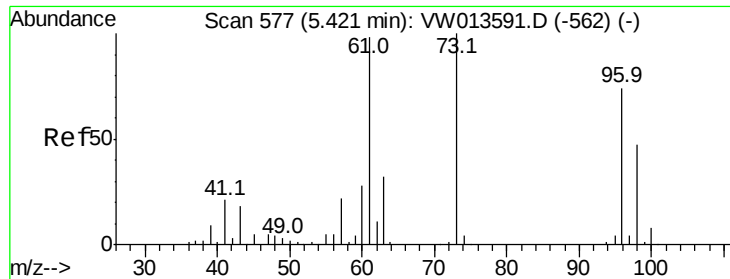
Tot Ion: 43 Resp: 82274
Ion Ratio Lower Upper
43 100
74 23.4 18.7 28.1



#16
Methylene chloride
Concen: 20.909 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013606.D
Acq: 16 Oct 2019 18:11

Tgt Ion: 84 Resp: 145419
Ion Ratio Lower Upper
84 100
49 115.4 81.3 151.1
86 61.2 46.3 86.1

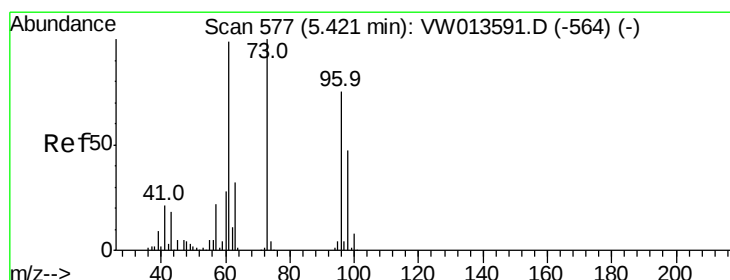
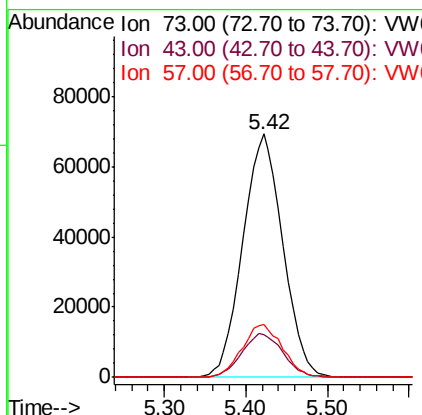
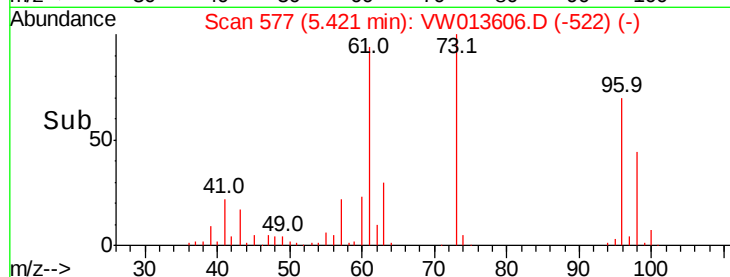
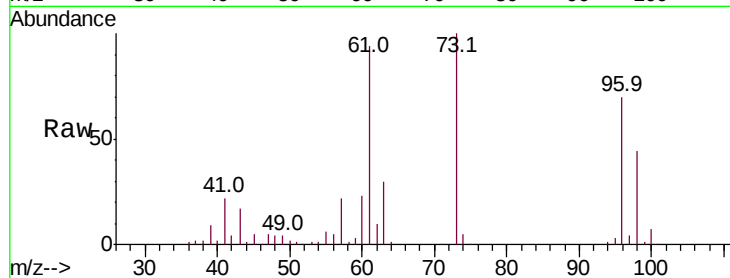




#17
Methvl tert-butvl Ether
Concen: 25.536 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW013606.D
Acq: 16 Oct 2019 18:11

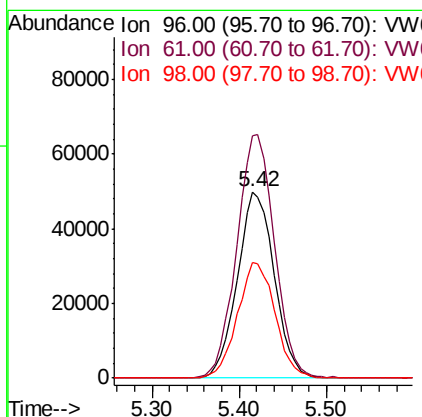
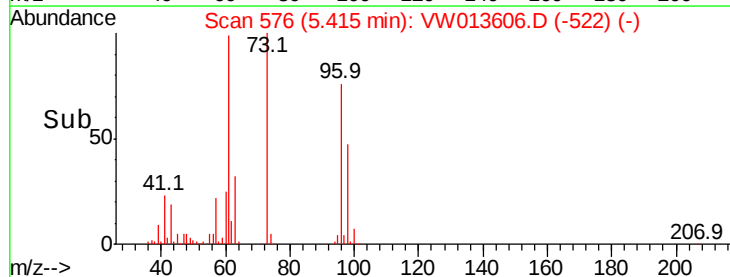
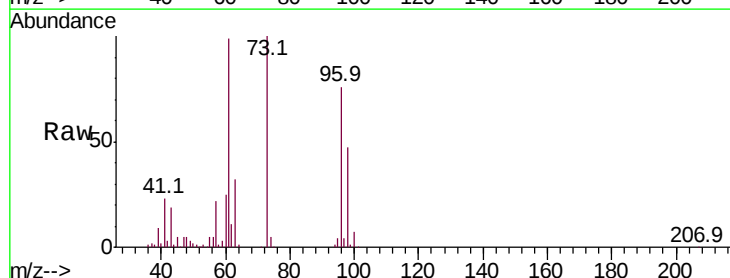
Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

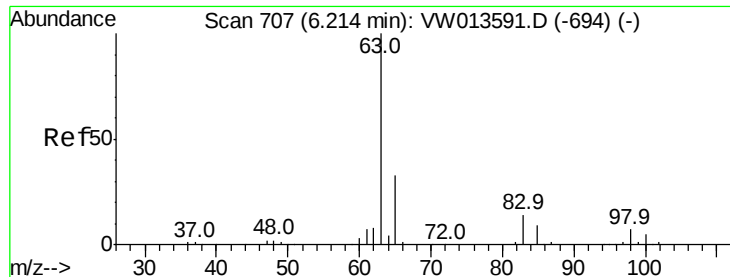
Tot Ion: 73 Resp: 236538
Ion Ratio Lower Upper
73 100
43 18.6 15.0 22.4
57 21.8 18.1 27.1



#18
trans-1,2-Dichloroethene
Concen: 23.891 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW013606.D
Acq: 16 Oct 2019 18:11

Tgt Ion: 96 Resp: 146952
Ion Ratio Lower Upper
96 100
61 129.6 93.7 173.9
98 61.8 46.1 85.7

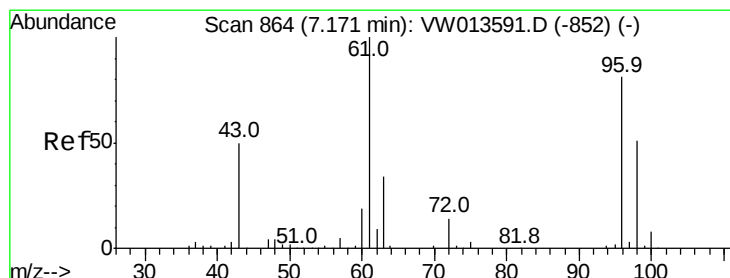
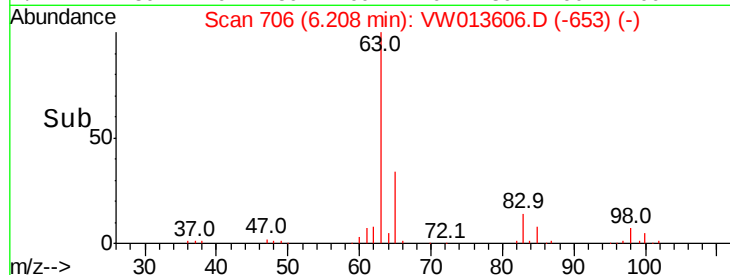
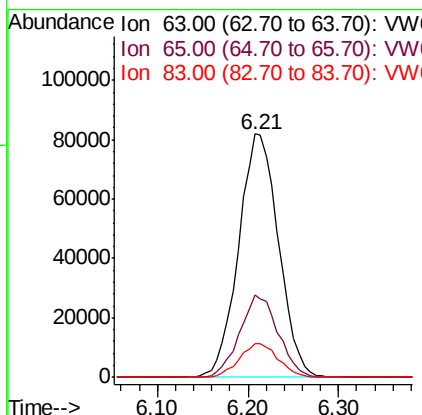
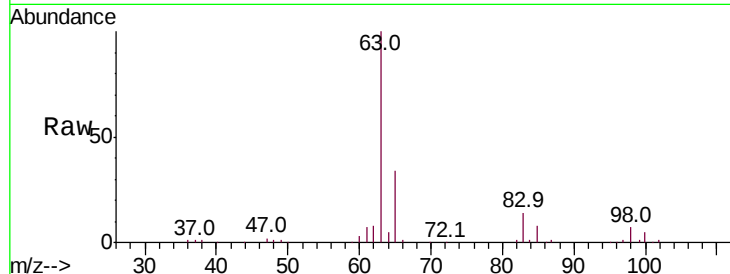




#19
 1,1-Dichloroethane
 Concen: 24.173 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW013606.D
 Acq: 16 Oct 2019 18:11

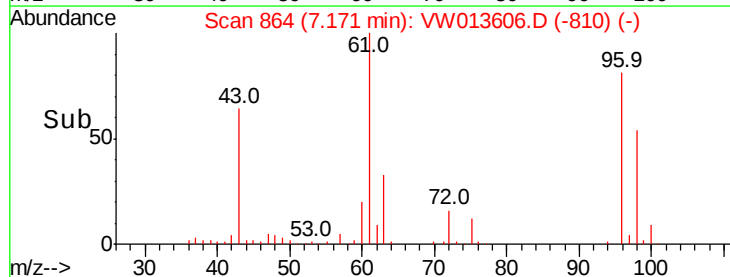
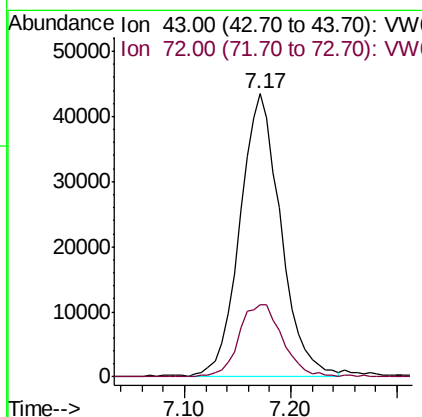
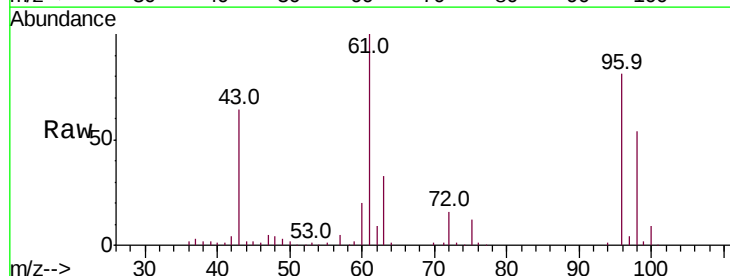
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

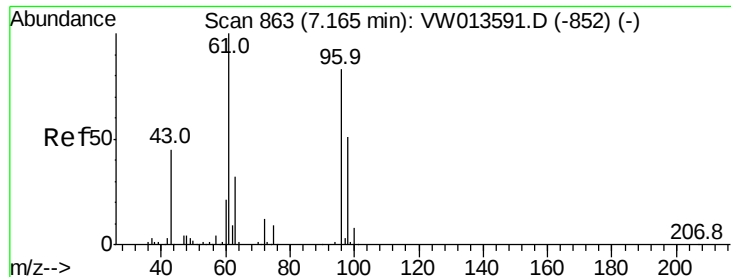
Tot Ion: 63 Resp: 249634
 Ion Ratio Lower Upper
 63 100
 65 34.0 21.6 40.0
 83 13.8 9.0 16.6



#21
 2-Butanone
 Concen: 52.036 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW013606.D
 Acq: 16 Oct 2019 18:11

Tgt Ion: 43 Resp: 115820
 Ion Ratio Lower Upper
 43 100
 72 27.4 13.5 40.4



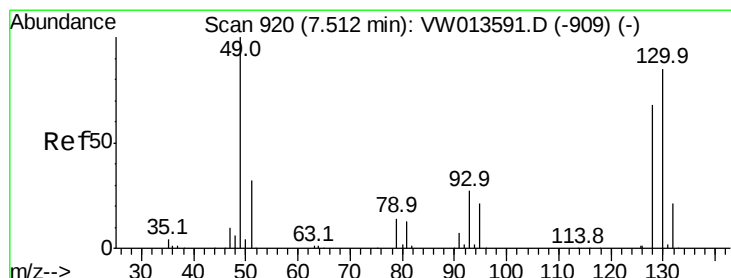
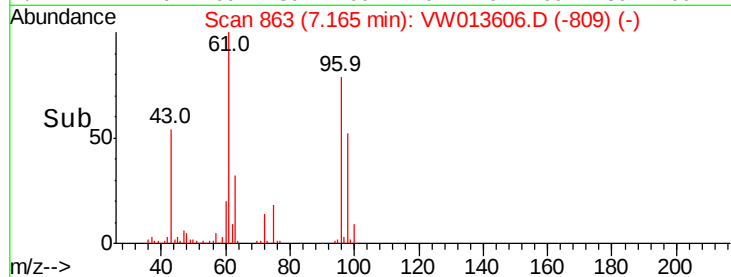
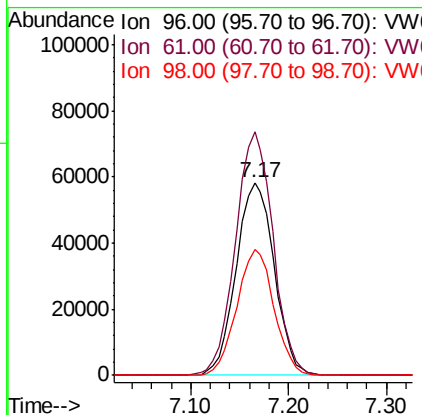
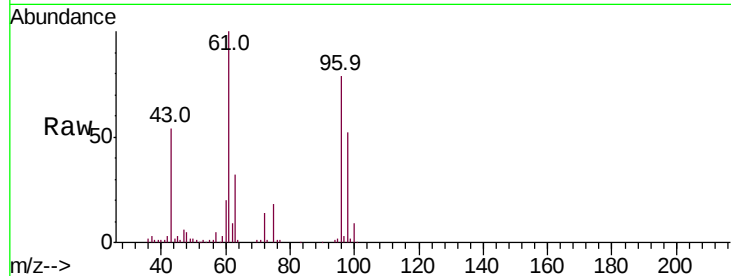


#22

cis-1,2-Dichloroethene
Concen: 23.958 ug/L
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013606.D
Acq: 16 Oct 2019 18:11

Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

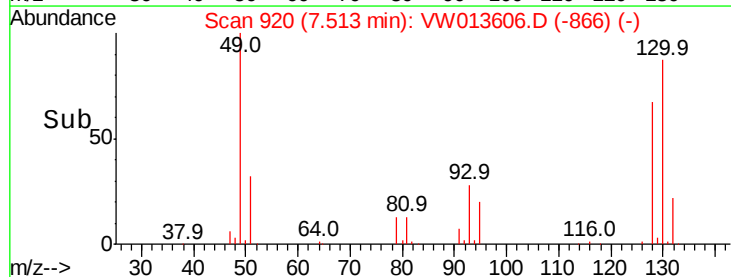
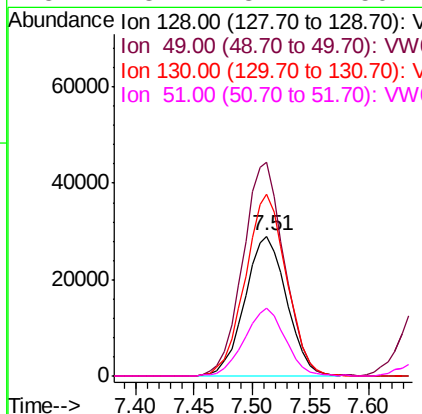
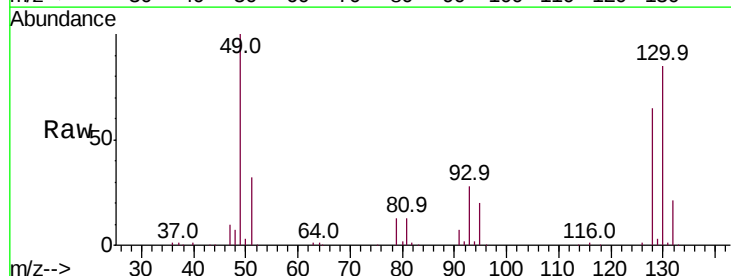
Tot Ion: 96 Resp: 157610
Ion Ratio Lower Upper
96 100
61 126.5 86.0 159.8
98 65.5 44.4 82.5

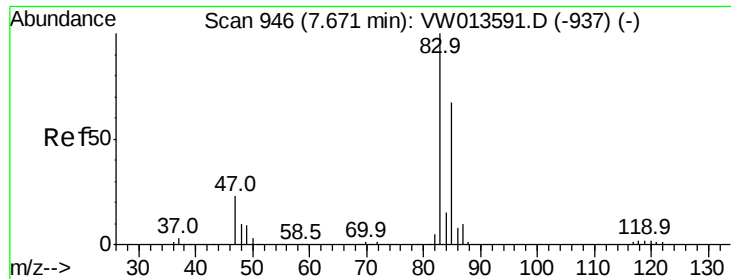


#23

Bromochloromethane
Concen: 24.470 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW013606.D
Acq: 16 Oct 2019 18:11

Tgt Ion:128 Resp: 72082
Ion Ratio Lower Upper
128 100
49 153.1 108.0 200.6
130 130.2 89.4 166.0
51 48.4 37.4 56.2





#25

Chloroform

Concen: 24.610 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW013606.D

Acq: 16 Oct 2019 18:11

Instrument :

MSVOA_W

ClientSampleId :

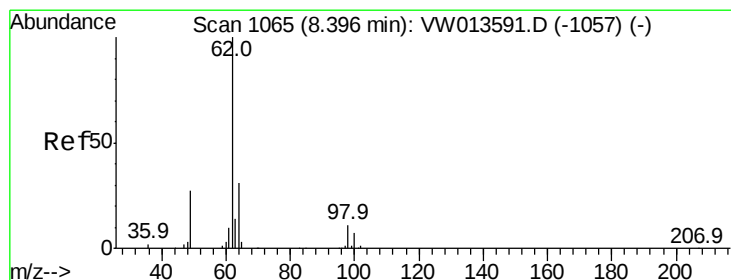
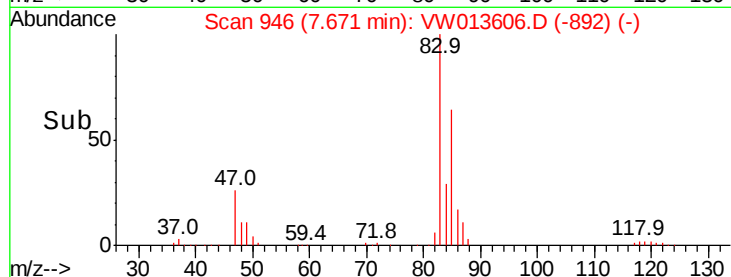
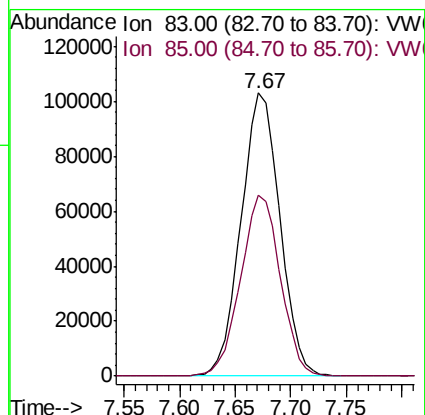
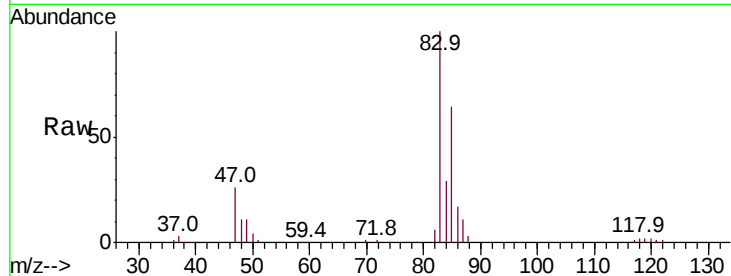
VSTD02518

Tot Ion: 83 Resp: 250715

Ion Ratio Lower Upper

83 100

85 65.3 46.1 85.5



#27

1,2-Dichloroethane

Concen: 25.974 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013606.D

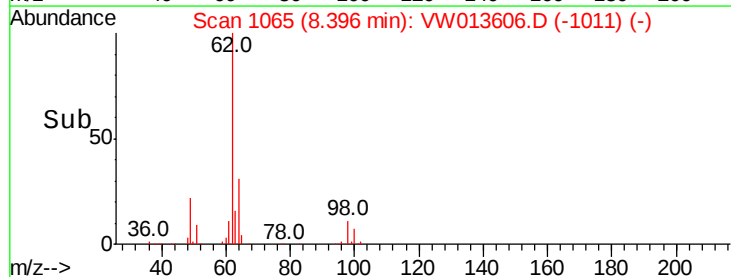
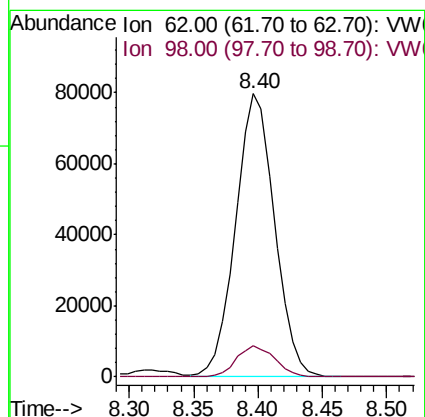
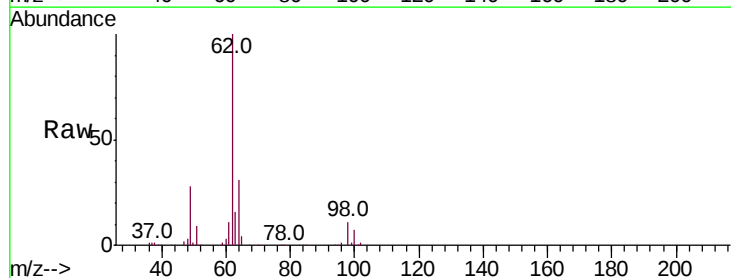
Acq: 16 Oct 2019 18:11

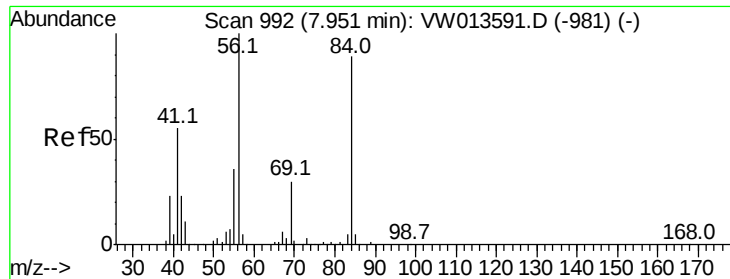
Tgt Ion: 62 Resp: 167366

Ion Ratio Lower Upper

62 100

98 11.2 9.0 13.4

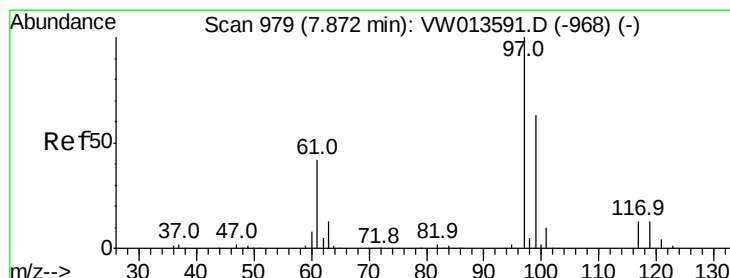
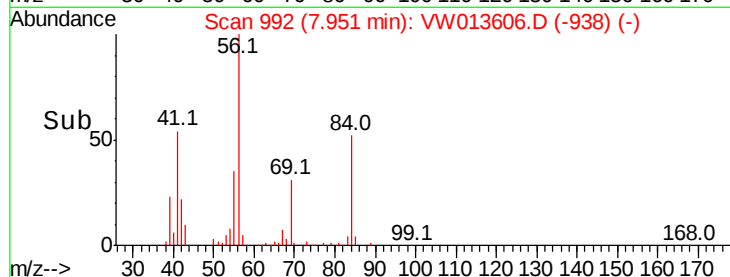
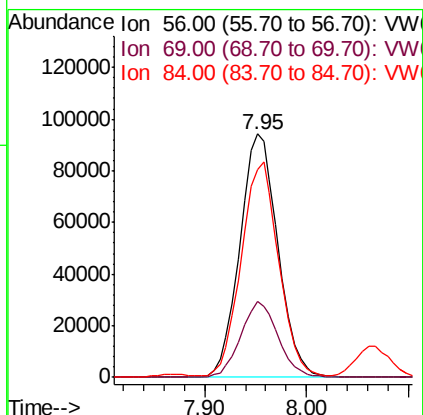
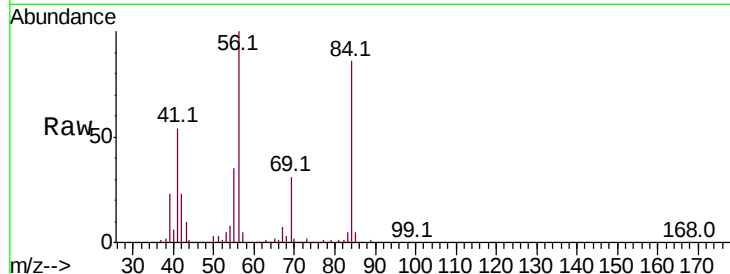




#30
Cyclohexane
Concen: 22.318 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW013606.D
Acq: 16 Oct 2019 18:11

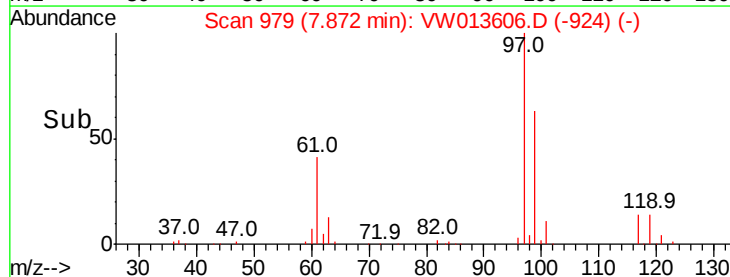
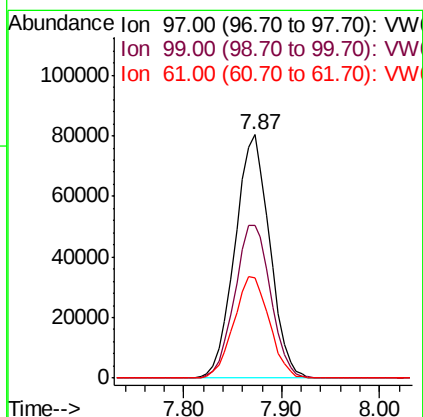
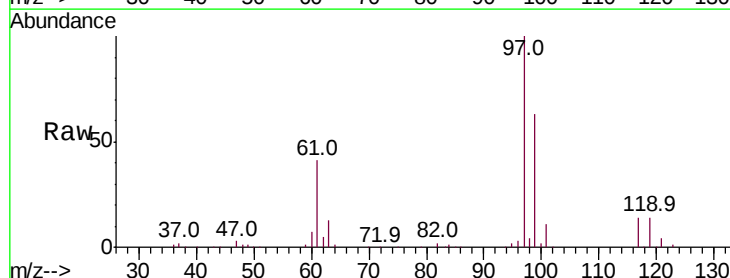
Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

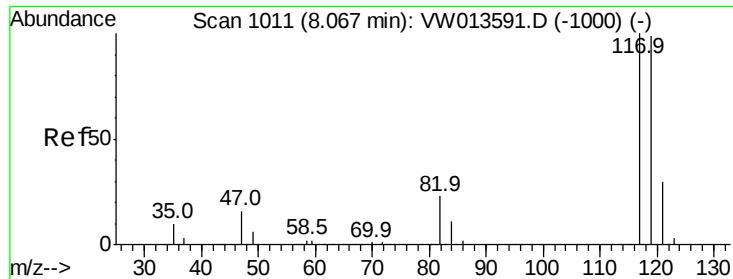
Tot Ion: 56 Resp: 244457
Ion Ratio Lower Upper
56 100
69 30.5 24.7 37.1
84 87.7 70.4 105.6



#31
1,1,1-Trichloroethane
Concen: 23.590 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW013606.D
Acq: 16 Oct 2019 18:11

Tgt Ion: 97 Resp: 197931
Ion Ratio Lower Upper
97 100
99 65.2 51.8 77.8
61 42.7 33.7 50.5





#32

Carbon tetrachloride

Concen: 23.538 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW013606.D

Acq: 16 Oct 2019 18:11

Instrument :

MSVOA_W

ClientSampleId :

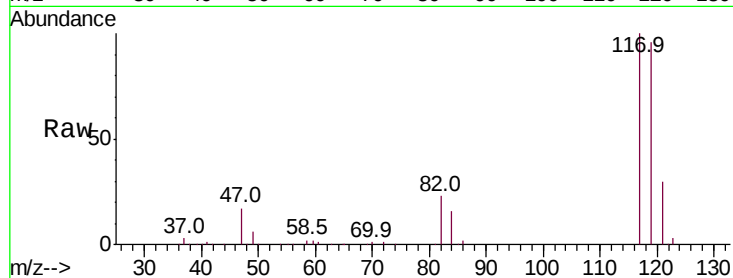
VSTD02518

Tot Ion:117 Resp: 189440

Ion Ratio Lower Upper

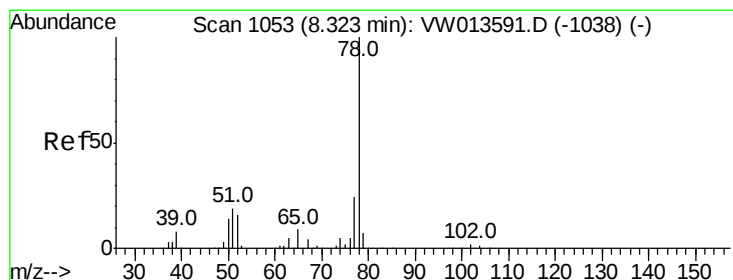
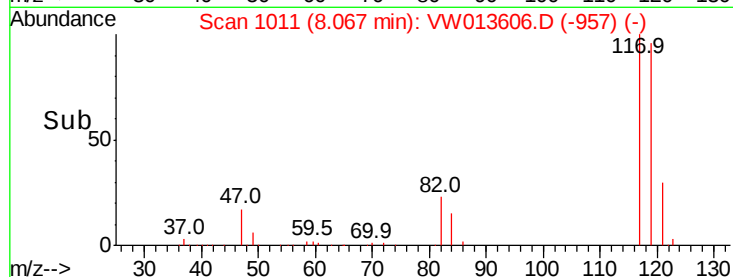
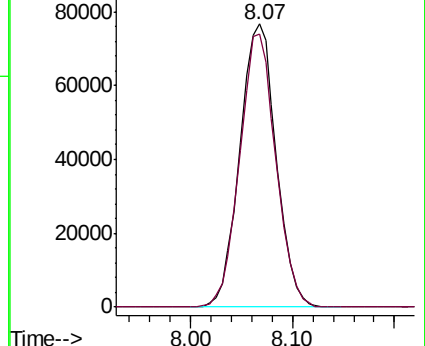
117 100

119 95.7 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 23.443 ug/L

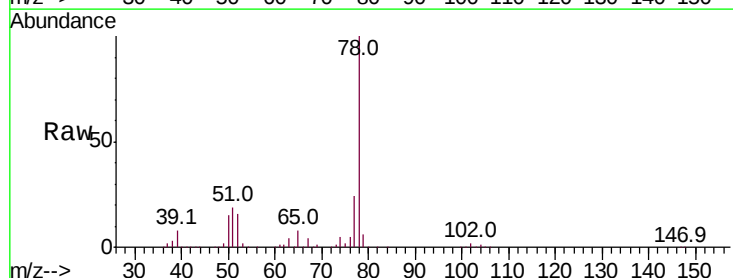
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

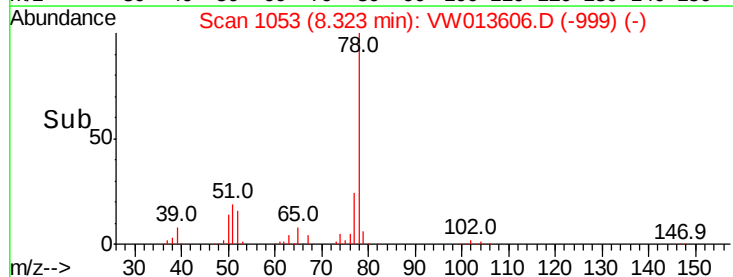
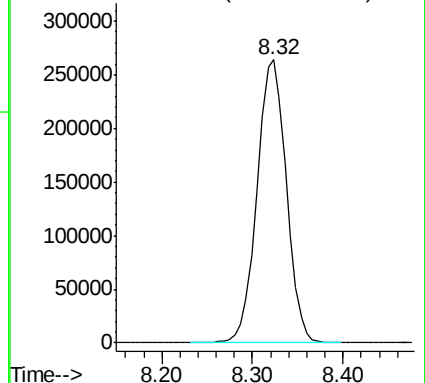
Lab File: VW013606.D

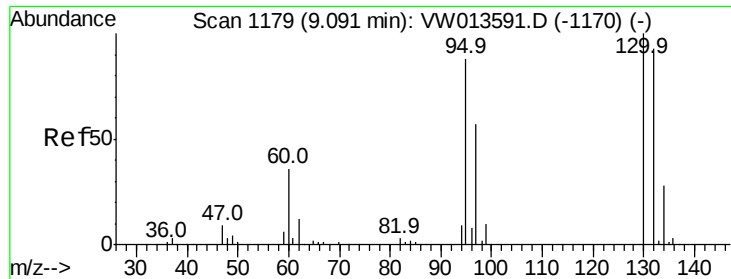
Acq: 16 Oct 2019 18:11

Tgt Ion: 78 Resp: 589987



Abundance Ion 78.00 (77.70 to 78.70): VW

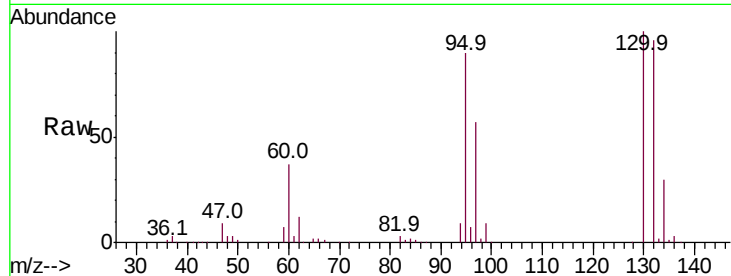




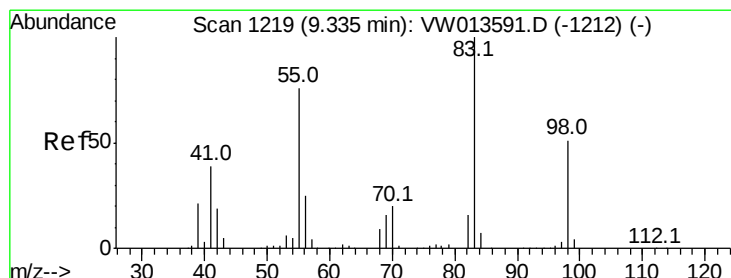
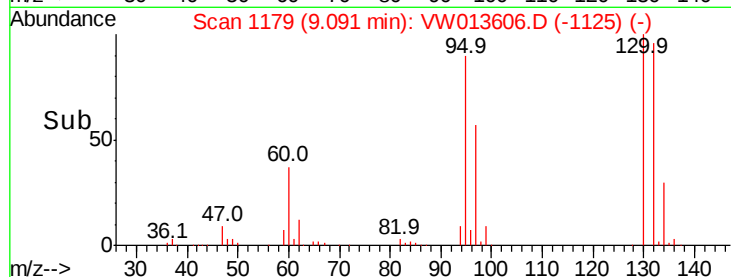
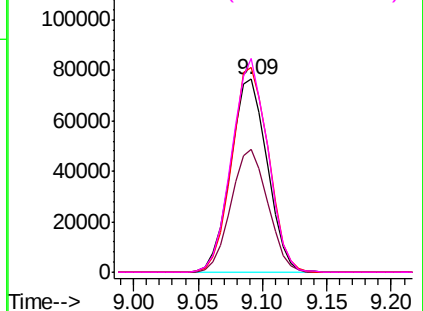
#35
 Trichloroethene
 Concen: 23.165 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW013606.D
 Acq: 16 Oct 2019 18:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

Tot Ion: 95 Resp: 152072
 Ion Ratio Lower Upper
 95 100
 97 63.7 45.1 83.7
 132 105.9 73.6 136.8
 130 108.0 76.3 141.7

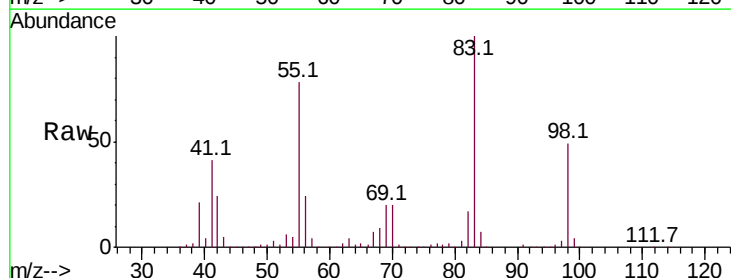


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

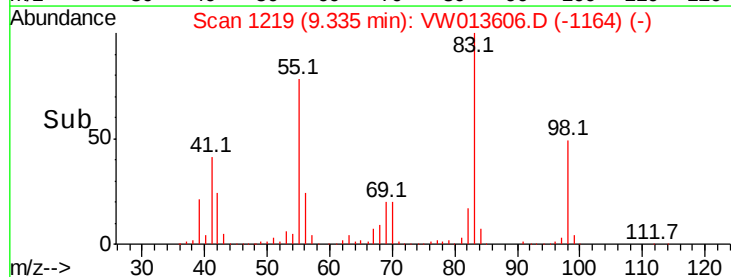
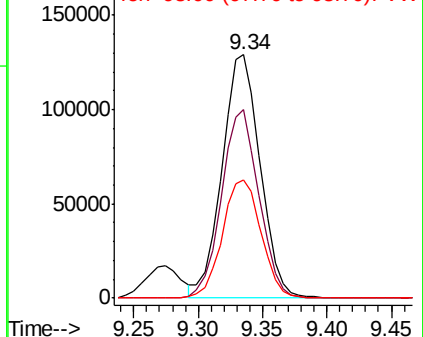


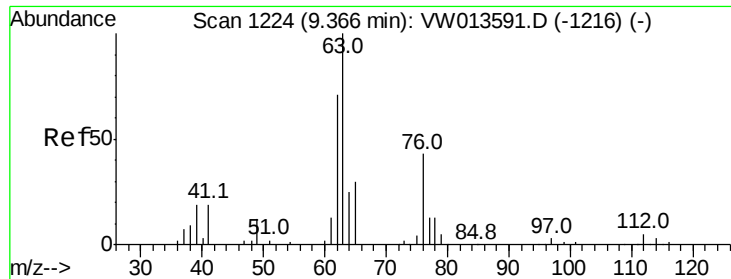
#36
 Methylcyclohexane
 Concen: 22.308 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VW013606.D
 Acq: 16 Oct 2019 18:11

Tgt Ion: 83 Resp: 266314
 Ion Ratio Lower Upper
 83 100
 55 76.2 60.4 90.6
 98 49.6 39.3 58.9



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

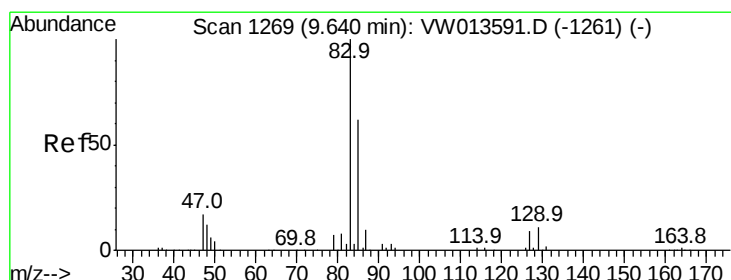
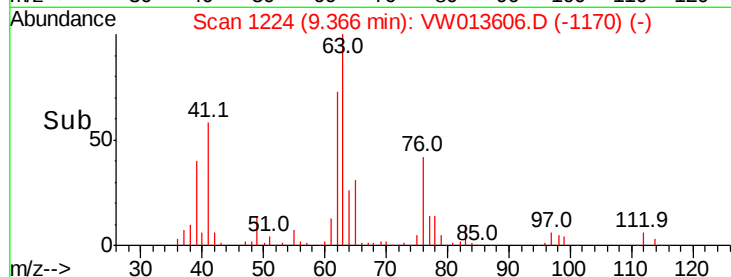
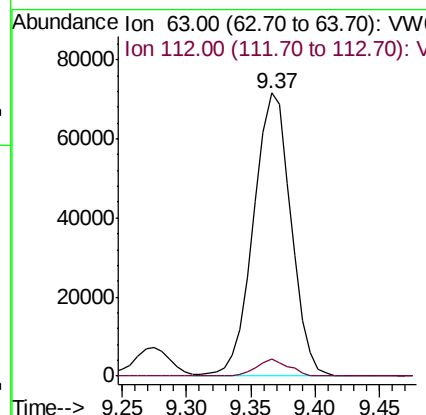
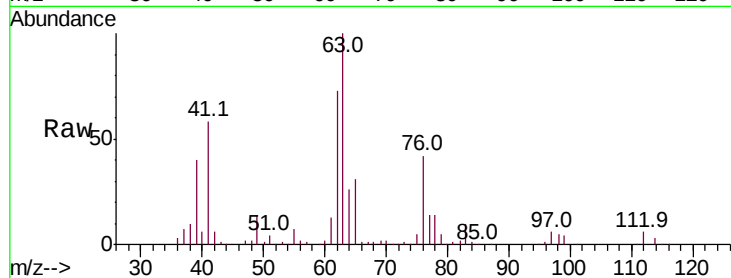




#40
1,2-Dichloropropane
Concen: 23.795 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VW013606.D
Acq: 16 Oct 2019 18:11

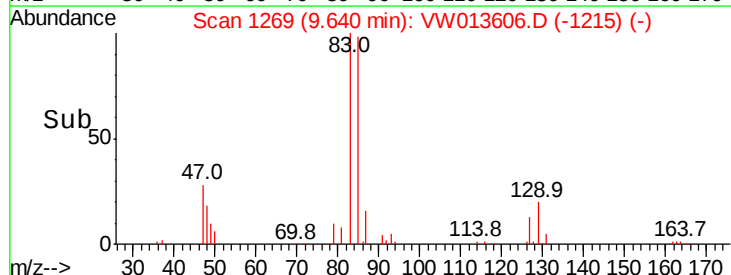
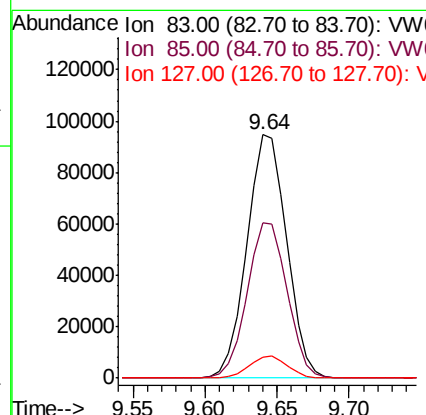
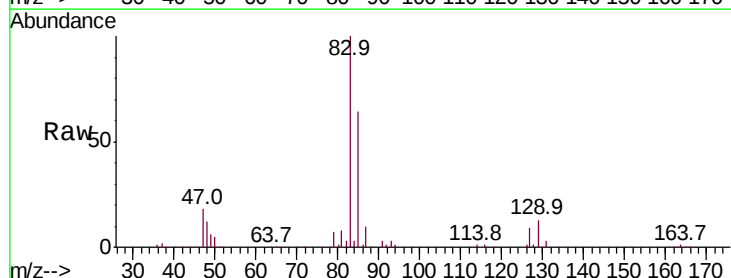
Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

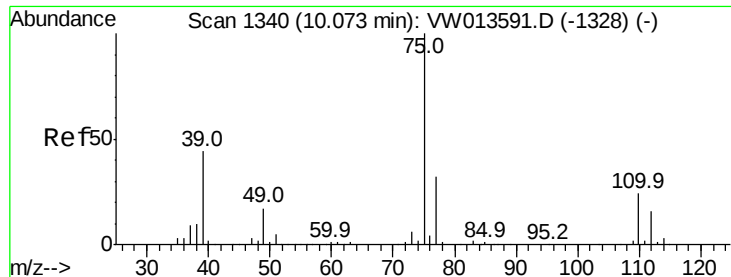
Tot Ion: 63 Resp: 144264
Ion Ratio Lower Upper
63 100
112 5.2 3.8 5.8



#41
Bromodichloromethane
Concen: 24.317 ug/L
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW013606.D
Acq: 16 Oct 2019 18:11

Tgt Ion: 83 Resp: 181080
Ion Ratio Lower Upper
83 100
85 63.5 45.1 83.9
127 8.6 7.1 10.7





#42

cis-1,3-Dichloropropene

Concen: 23.849 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013606.D

Acq: 16 Oct 2019 18:11

Instrument :

MSVOA_W

ClientSampleId :

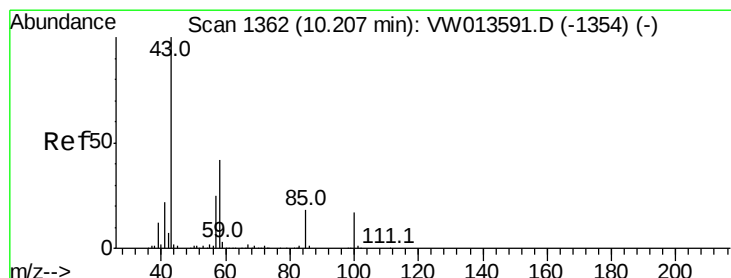
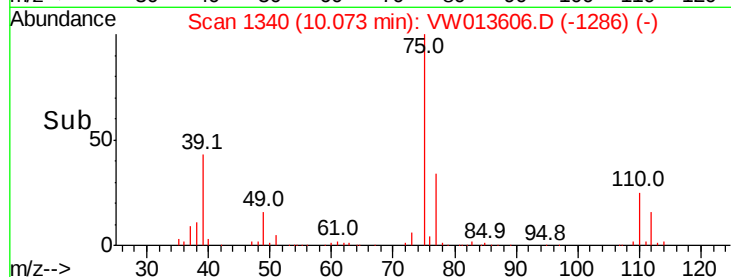
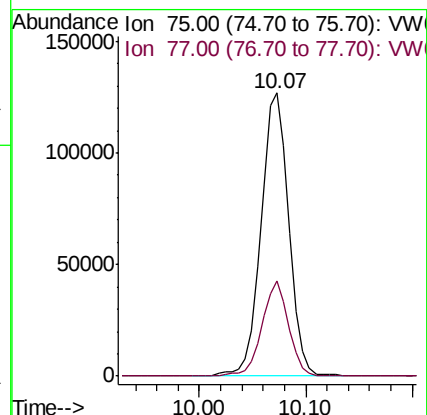
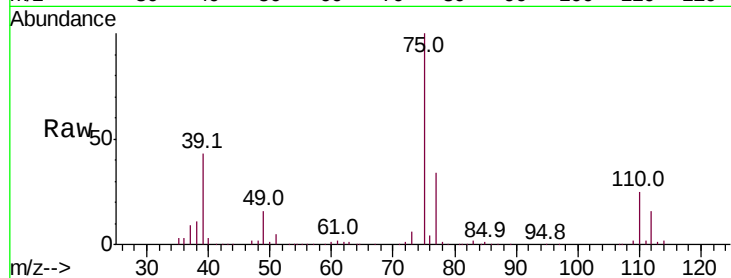
VSTD02518

Tot Ion: 75 Resp: 231963

Ion Ratio Lower Upper

75 100

77 33.8 21.6 40.2



#43

4-Methyl-2-pentanone

Concen: 55.982 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013606.D

Acq: 16 Oct 2019 18:11

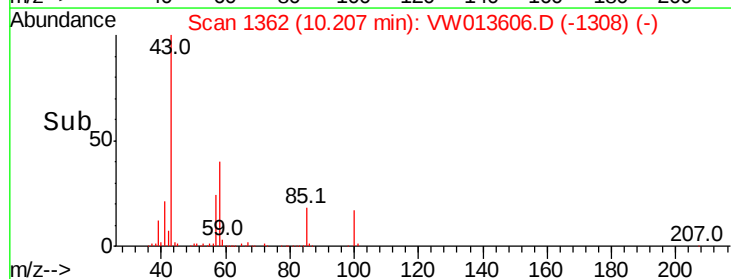
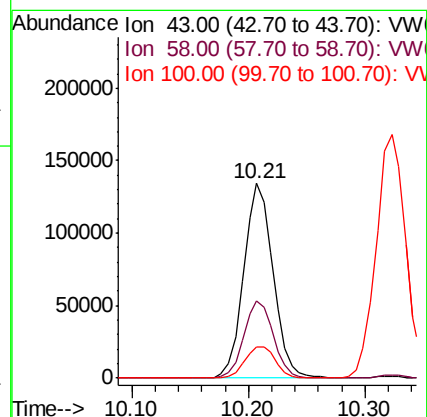
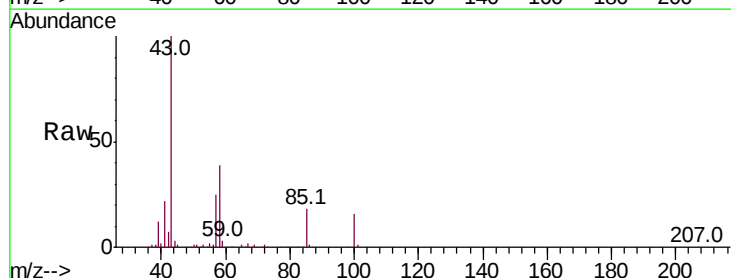
Tgt Ion: 43 Resp: 236810

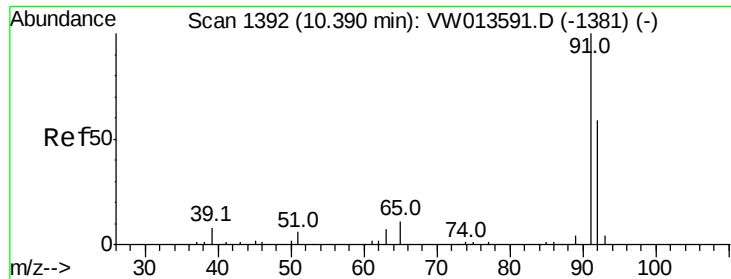
Ion Ratio Lower Upper

43 100

58 39.9 32.0 48.0

100 16.9 13.7 20.5





#44

Toluene

Concen: 23.668 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013606.D

Acq: 16 Oct 2019 18:11

Instrument :

MSVOA_W

ClientSampleId :

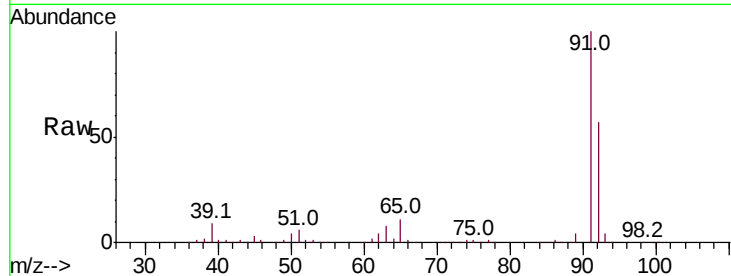
VSTD02518

Tot Ion: 91 Resp: 645521

Ion Ratio Lower Upper

91 100

92 57.3 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.38

400000

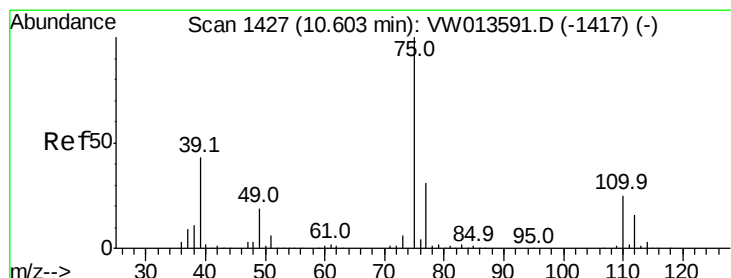
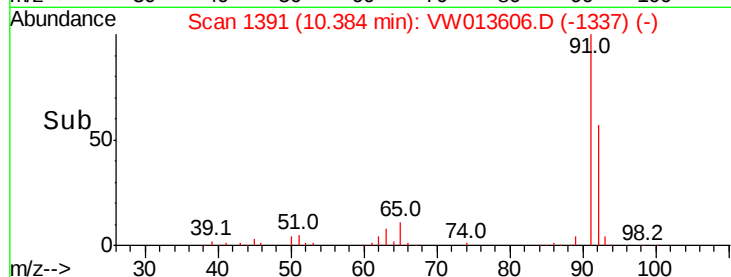
300000

200000

100000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 24.973 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013606.D

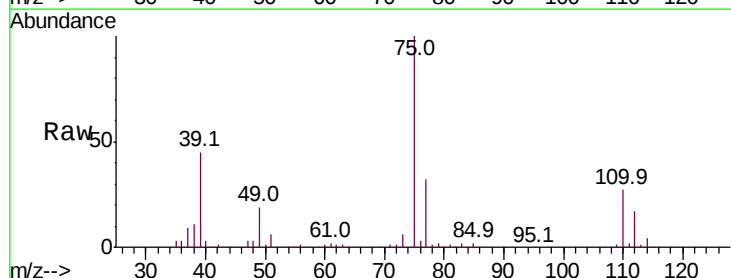
Acq: 16 Oct 2019 18:11

Tgt Ion: 75 Resp: 191797

Ion Ratio Lower Upper

75 100

77 32.0 23.0 42.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.60

120000

100000

80000

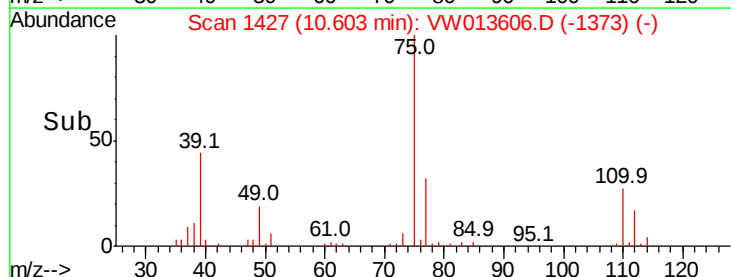
60000

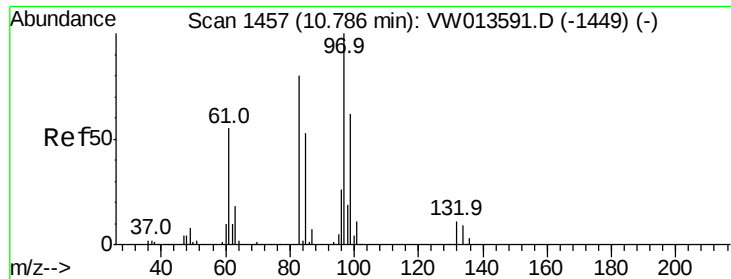
40000

20000

0

Time-->

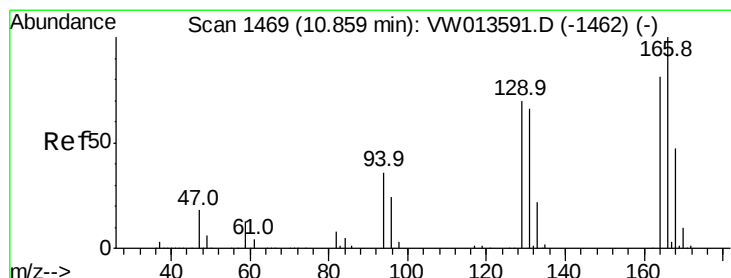
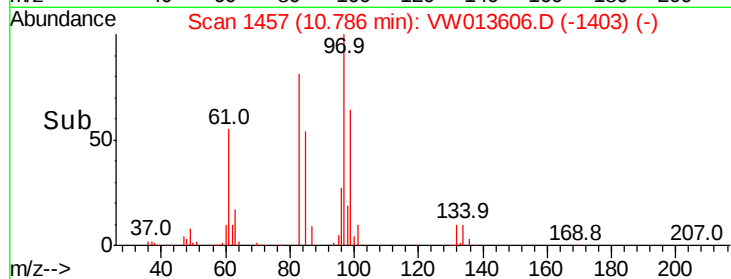
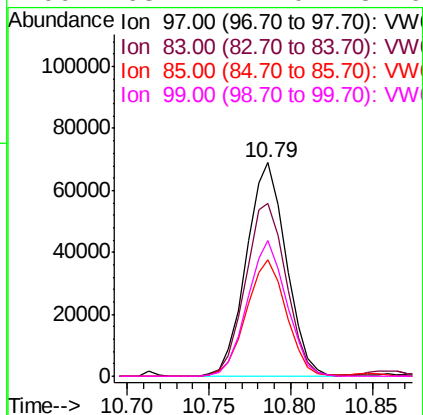
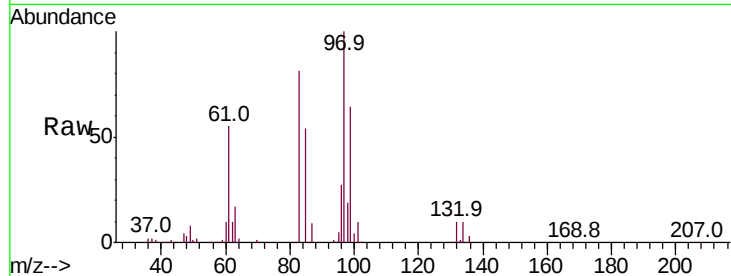




#46
 1,1,2-Trichloroethane
 Concen: 25.569 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013606.D
 Acq: 16 Oct 2019 18:11

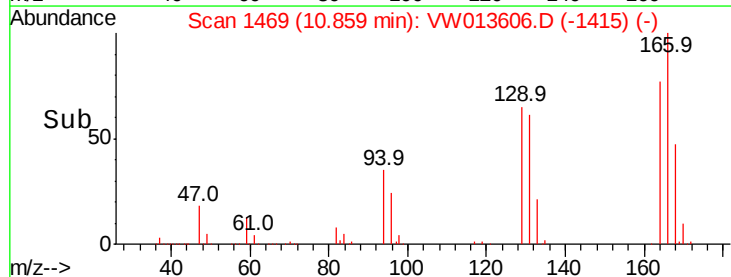
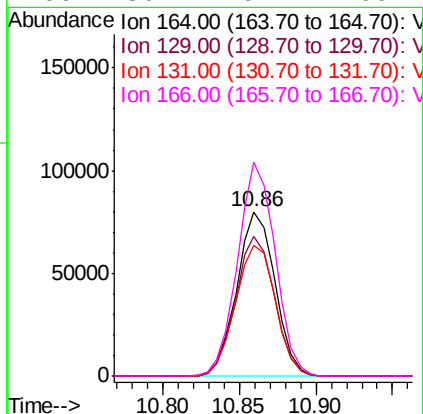
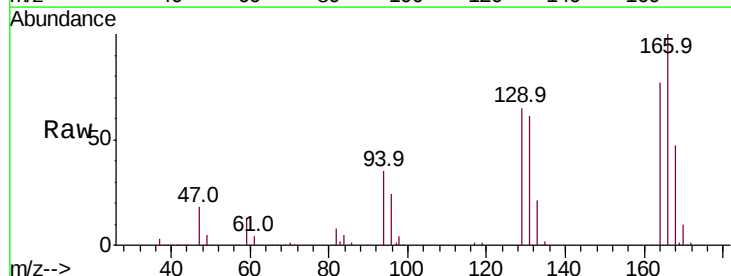
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

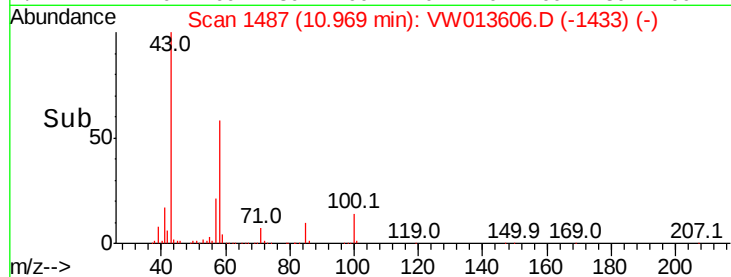
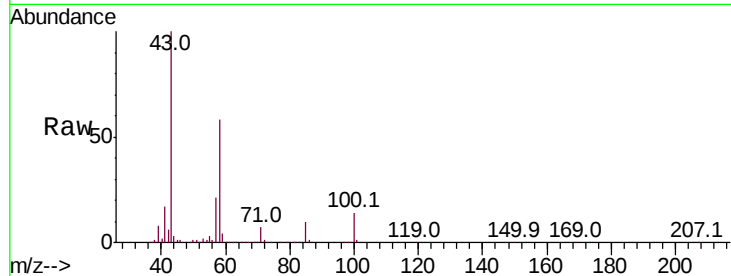
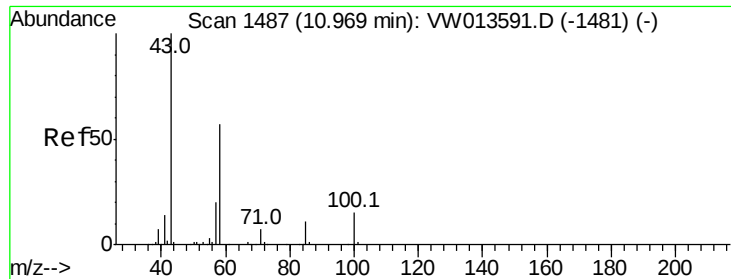
Tot Ion: 97 Resp: 117675
 Ion Ratio Lower Upper
 97 100
 83 81.0 57.5 106.9
 85 54.4 36.8 68.4
 99 63.7 44.0 81.6



#47
 Tetrachloroethene
 Concen: 23.121 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW013606.D
 Acq: 16 Oct 2019 18:11

Tgt Ion: 164 Resp: 138331
 Ion Ratio Lower Upper
 164 100
 129 85.0 60.2 111.8
 131 79.6 57.0 105.9
 166 130.4 91.2 169.4





#49

2-Hexanone

Concen: 54.805 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW013606.D

Acq: 16 Oct 2019 18:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD02518

Tot Ion: 43 Resp: 168491

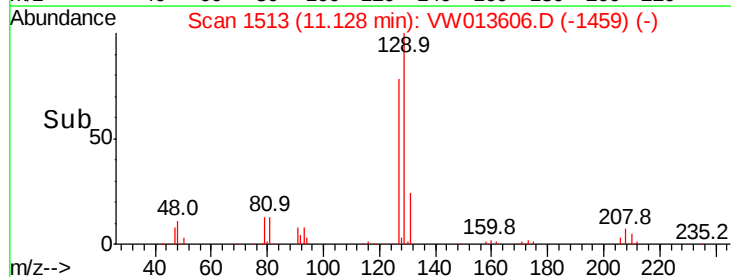
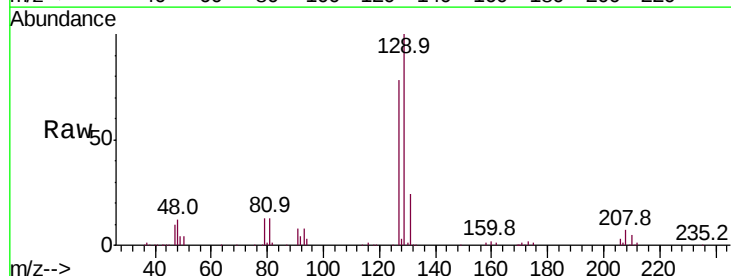
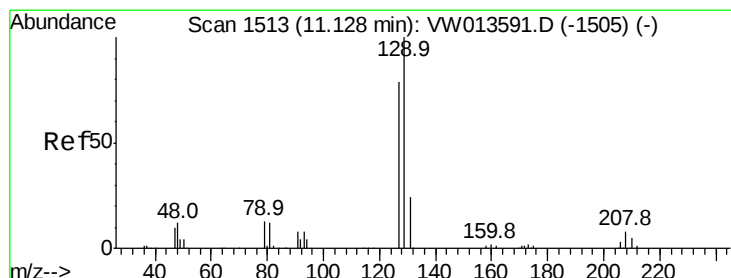
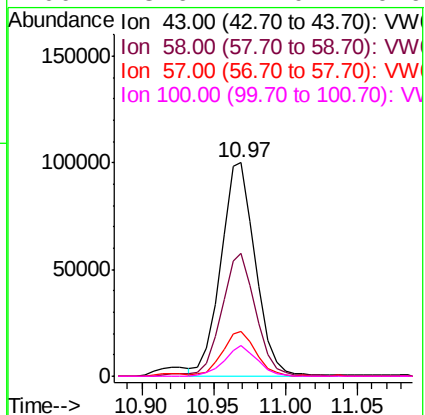
Ion Ratio Lower Upper

43 100

58 55.9 45.2 67.8

57 20.0 15.8 23.8

100 13.6 11.0 16.6



#50

Dibromochloromethane

Concen: 25.566 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW013606.D

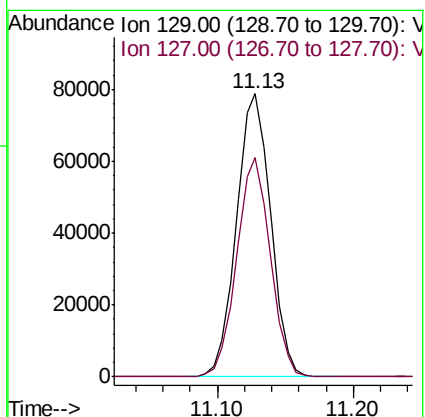
Acq: 16 Oct 2019 18:11

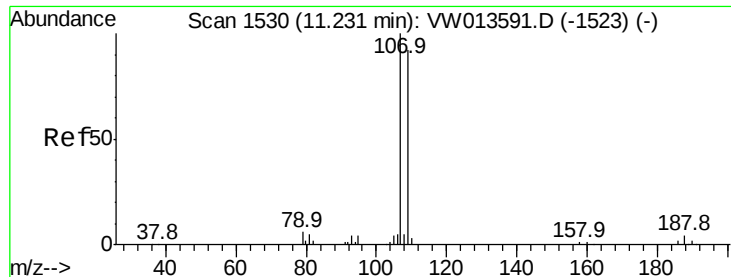
Tgt Ion:129 Resp: 138531

Ion Ratio Lower Upper

129 100

127 77.7 54.7 101.5

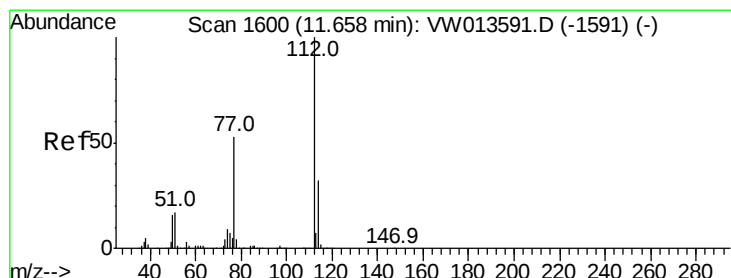
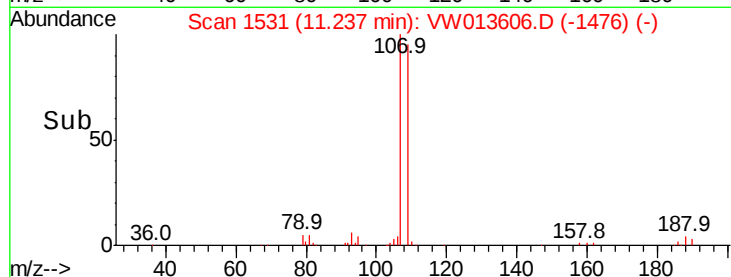
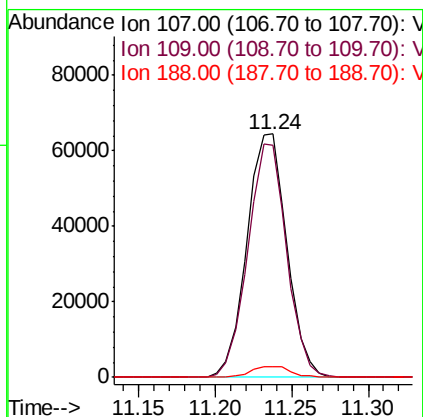
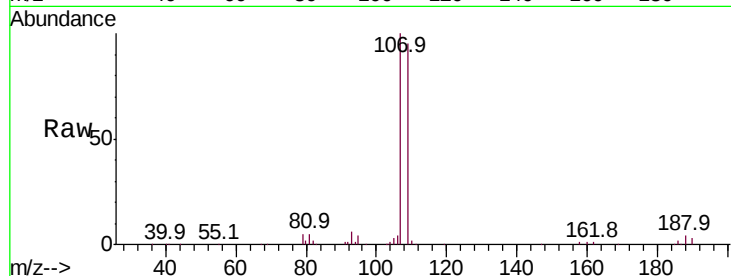




#51
1,2-Dibromoethane
Concen: 25.910 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.01 min
Lab File: VW013606.D
Acq: 16 Oct 2019 18:11

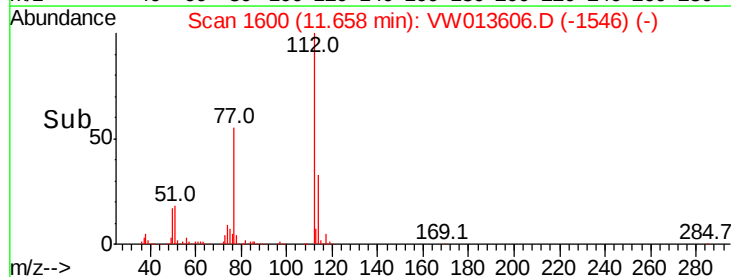
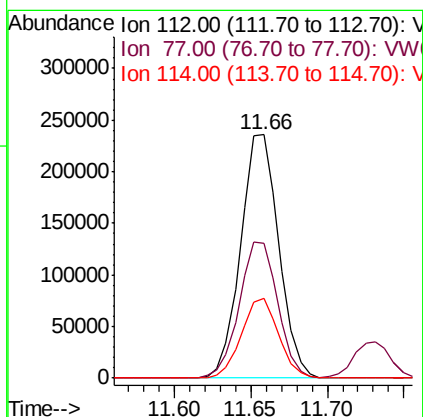
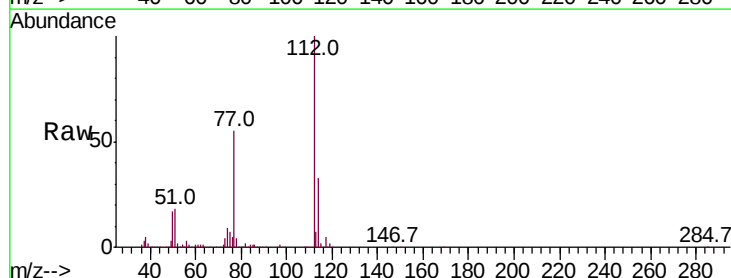
Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

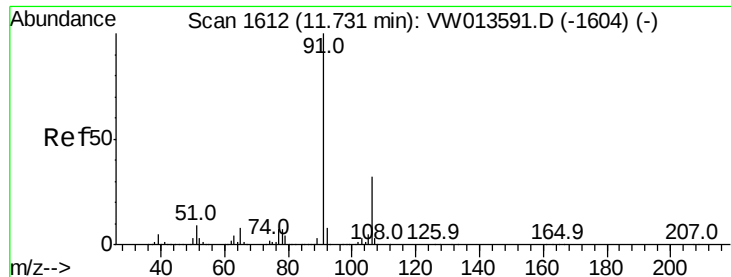
Tot Ion:107 Resp: 117134
Ion Ratio Lower Upper
107 100
109 95.3 65.5 121.7
188 4.3 3.6 5.4



#52
Chlorobenzene
Concen: 23.609 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013606.D
Acq: 16 Oct 2019 18:11

Tgt Ion:112 Resp: 408678
Ion Ratio Lower Upper
112 100
77 55.5 44.5 66.7
114 32.6 22.7 42.3





#53

Ethylbenzene

Concen: 23.458 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013606.D

Acq: 16 Oct 2019 18:11

Instrument :

MSVOA_W

ClientSampleId :

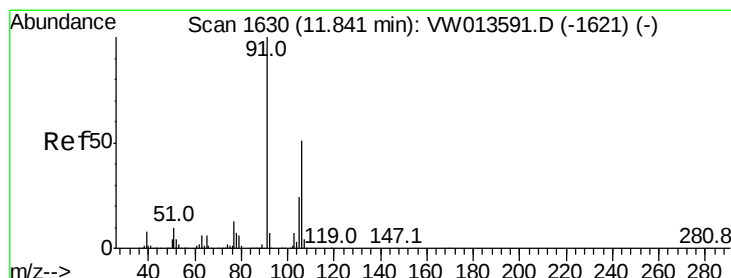
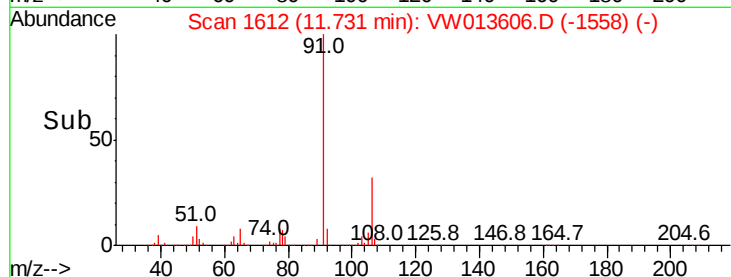
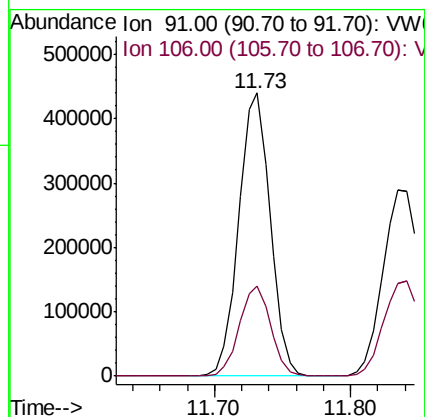
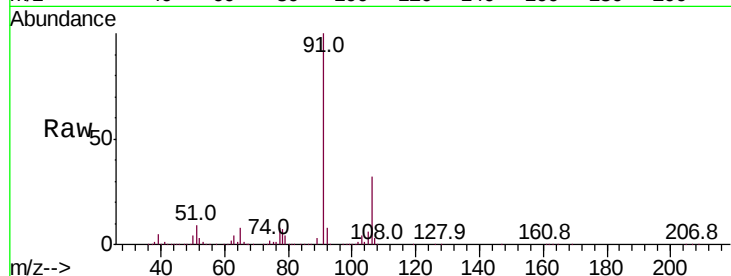
VSTD02518

Tot Ion: 91 Resp: 708222

Ion Ratio Lower Upper

91 100

106 32.0 21.5 39.9



#54

m,p-Xylene

Concen: 23.669 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW013606.D

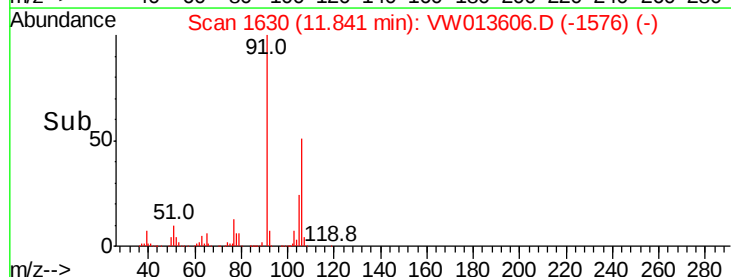
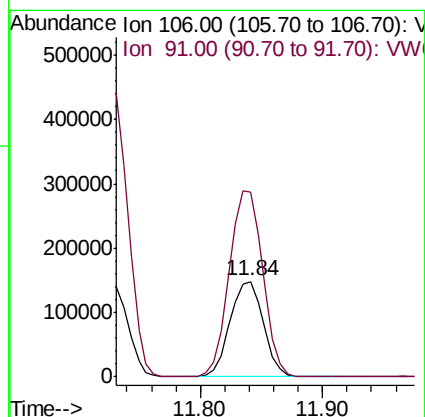
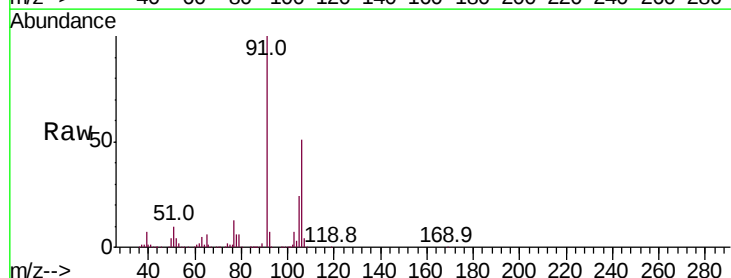
Acq: 16 Oct 2019 18:11

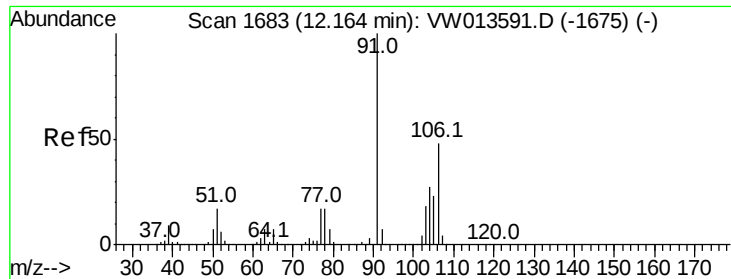
Tgt Ion: 106 Resp: 278763

Ion Ratio Lower Upper

106 100

91 194.2 139.4 258.8

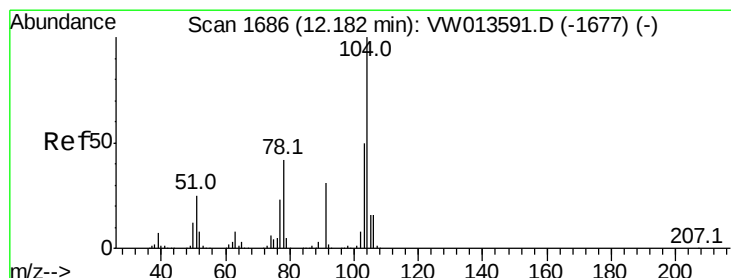
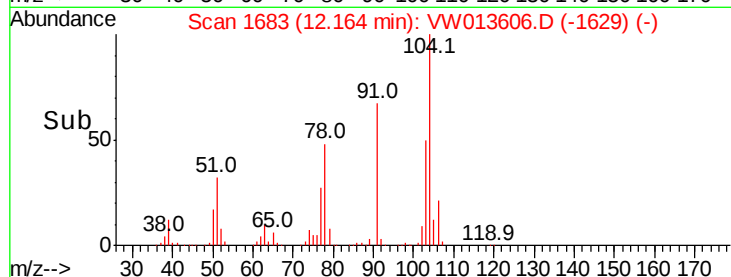
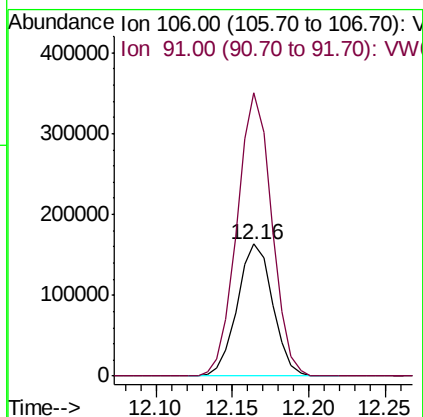
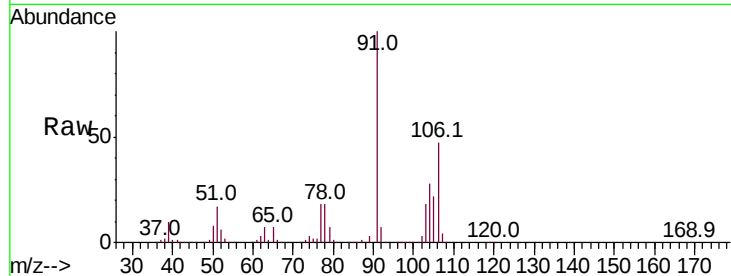




#55
o-xylene
Concen: 23.890 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013606.D
Acq: 16 Oct 2019 18:11

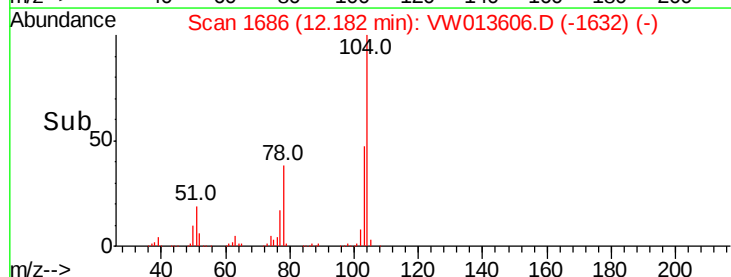
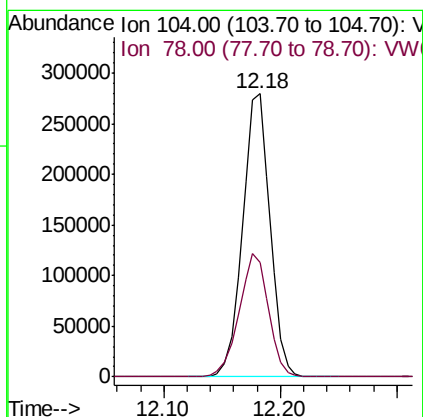
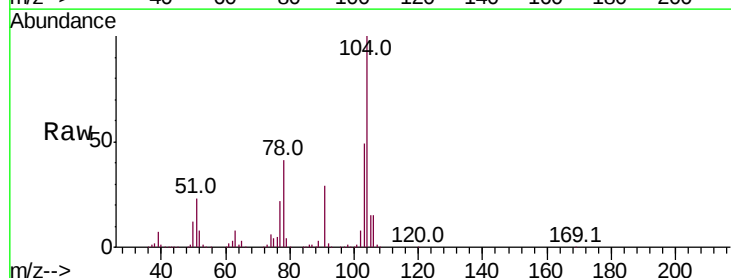
Instrument :
MSVOA_W
ClientSampled :
VSTD02518

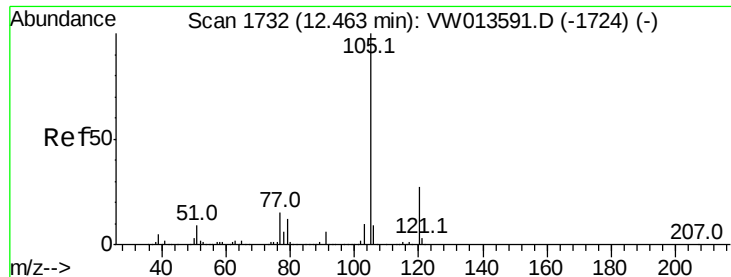
Tot Ion:106 Resp: 262637
Ion Ratio Lower Upper
106 100
91 214.3 148.4 275.6



#56
Styrene
Concen: 24.461 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013606.D
Acq: 16 Oct 2019 18:11

Tgt Ion:104 Resp: 457987
Ion Ratio Lower Upper
104 100
78 40.6 28.4 52.8





#57

Isopropylbenzene

Concen: 23.745 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013606.D

Acq: 16 Oct 2019 18:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD02518

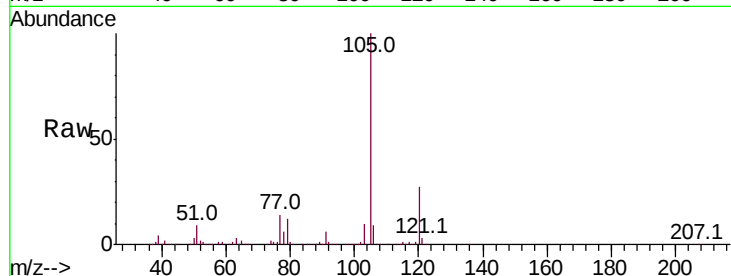
Tot Ion:105 Resp: 708154

Ion Ratio Lower Upper

105 100

120 26.9 21.7 32.5

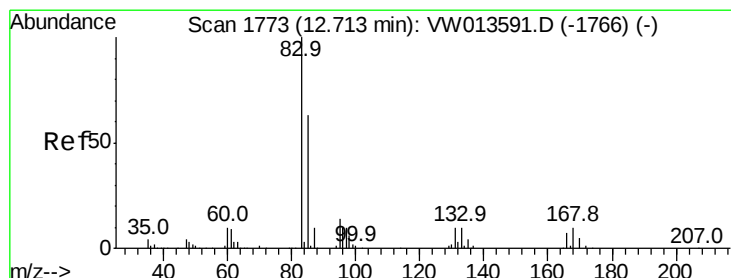
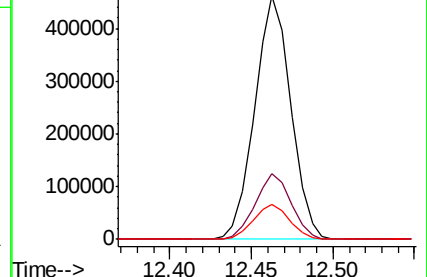
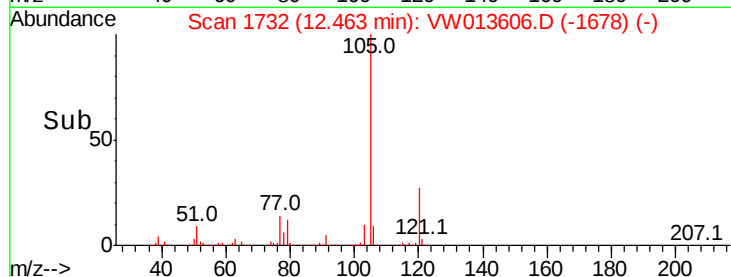
77 14.4 11.8 17.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 27.982 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013606.D

Acq: 16 Oct 2019 18:11

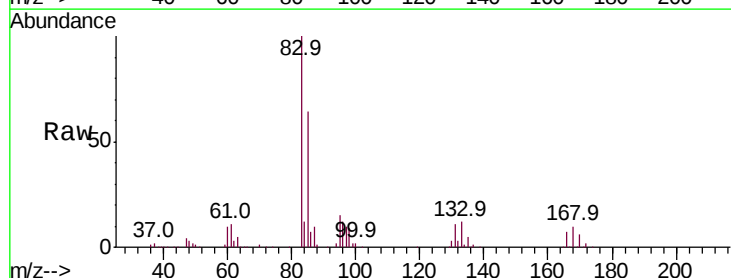
Tgt Ion: 83 Resp: 152149

Ion Ratio Lower Upper

83 100

85 63.6 44.7 83.1

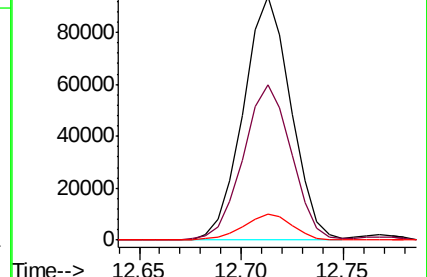
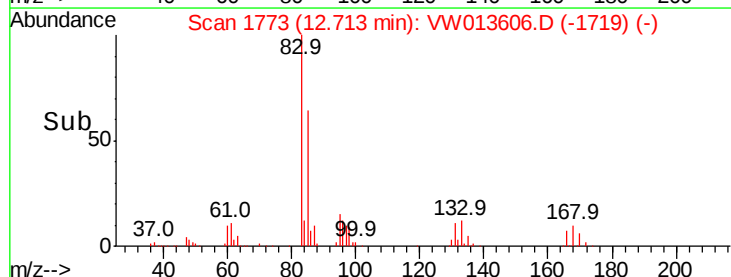
131 10.6 7.8 11.6

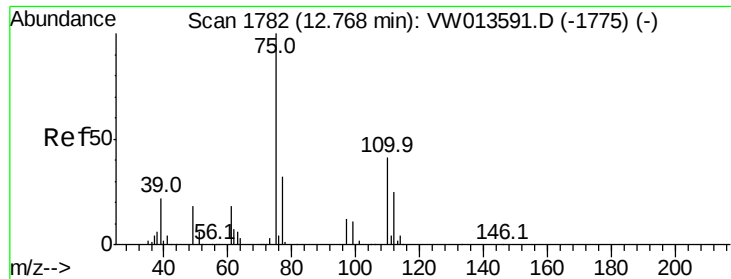


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 28.151 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013606.D

Acq: 16 Oct 2019 18:11

Instrument :

MSVOA_W

ClientSampleId :

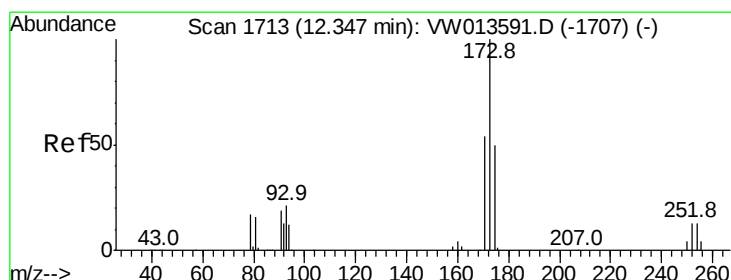
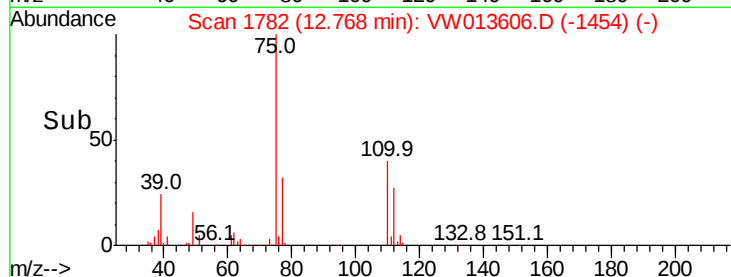
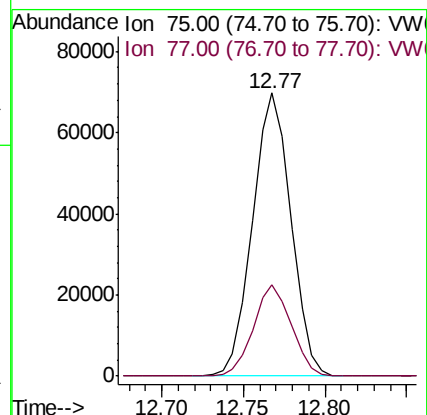
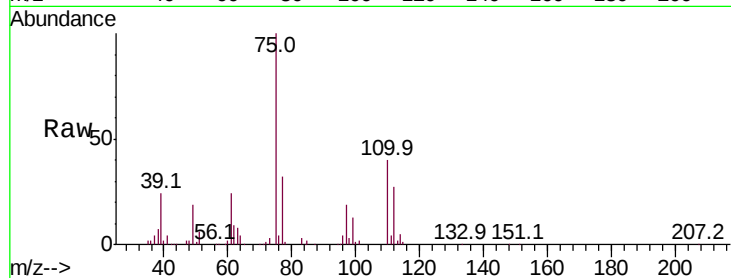
VSTD02518

Tot Ion: 75 Resp: 114296

Ion Ratio Lower Upper

75 100

77 31.8 25.5 38.3



#62

Bromoform

Concen: 26.639 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013606.D

Acq: 16 Oct 2019 18:11

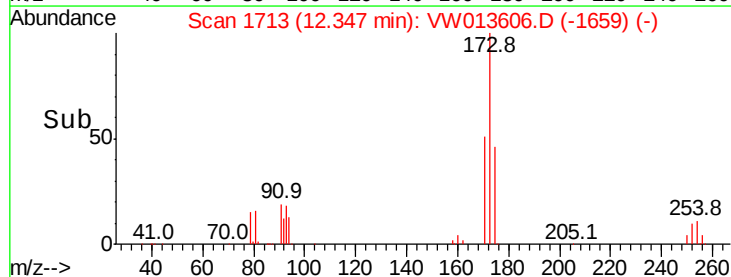
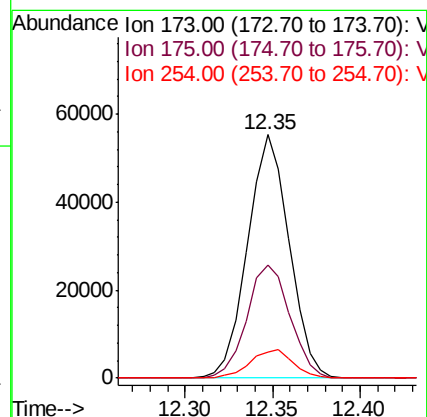
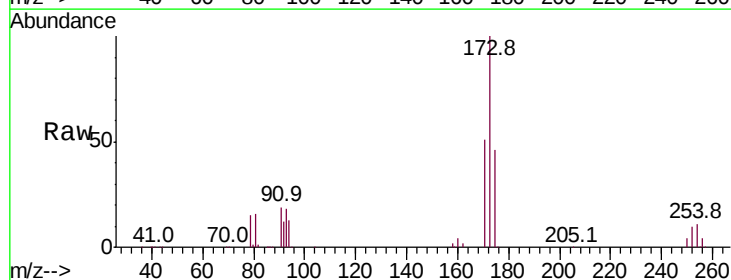
Tgt Ion:173 Resp: 91705

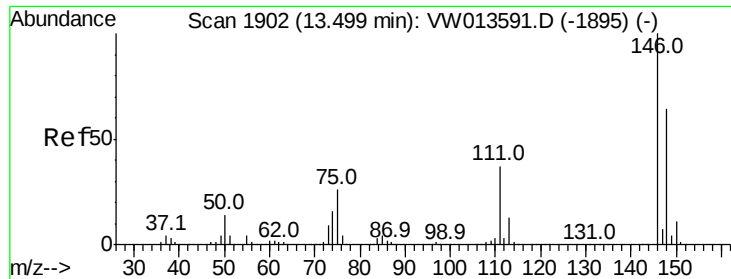
Ion Ratio Lower Upper

173 100

175 48.0 39.0 58.6

254 12.1 10.1 15.1

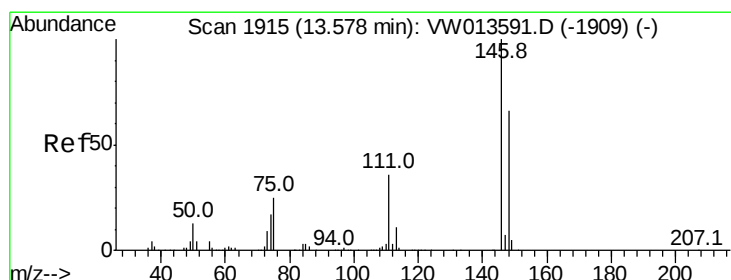
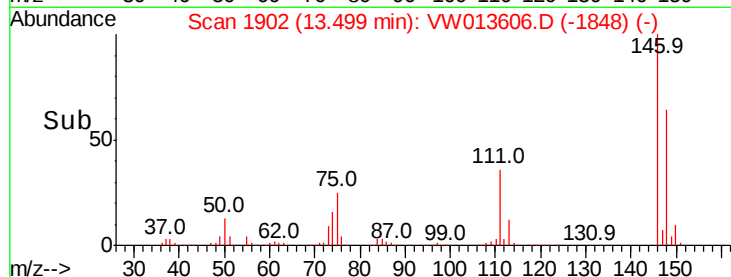
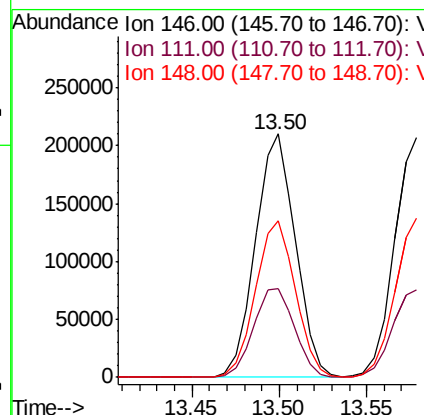
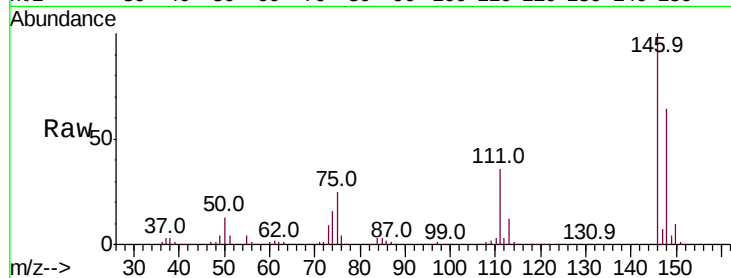




#63
 1,3-Dichlorobenzene
 Concen: 23.209 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013606.D
 Acq: 16 Oct 2019 18:11

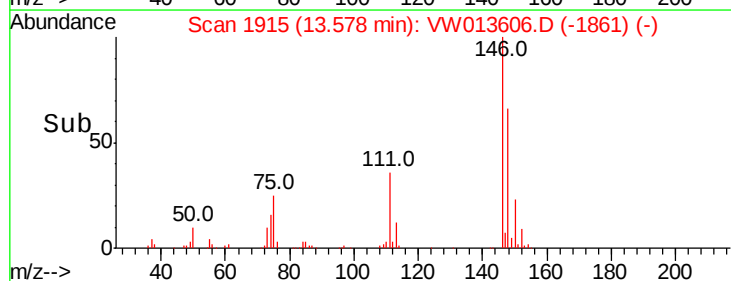
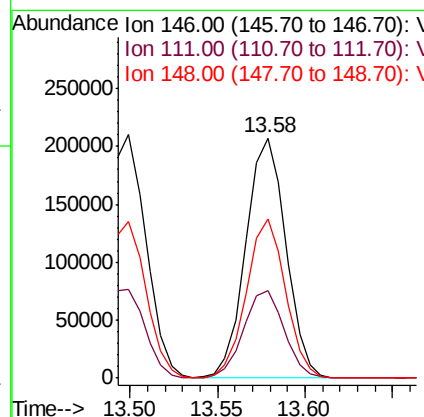
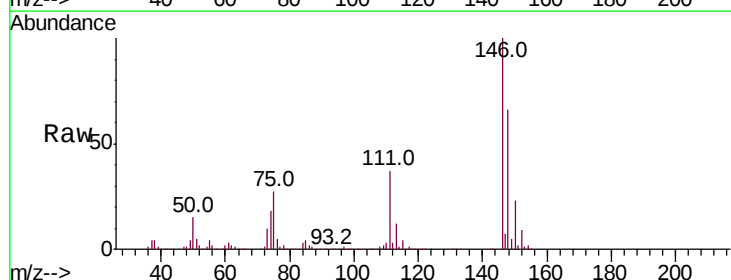
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

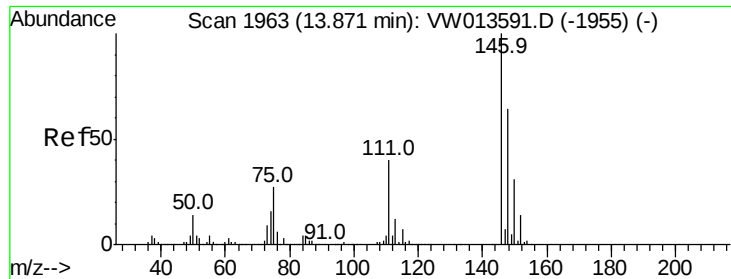
Tot Ion:146 Resp: 332860
 Ion Ratio Lower Upper
 146 100
 111 36.5 25.3 46.9
 148 64.4 42.8 79.4



#64
 1,4-Dichlorobenzene
 Concen: 23.186 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013606.D
 Acq: 16 Oct 2019 18:11

Tgt Ion:146 Resp: 331015
 Ion Ratio Lower Upper
 146 100
 111 36.5 25.8 47.8
 148 66.2 43.7 81.1





#65

1,2-Dichlorobenzene

Concen: 23.640 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW013606.D

Acq: 16 Oct 2019 18:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD02518

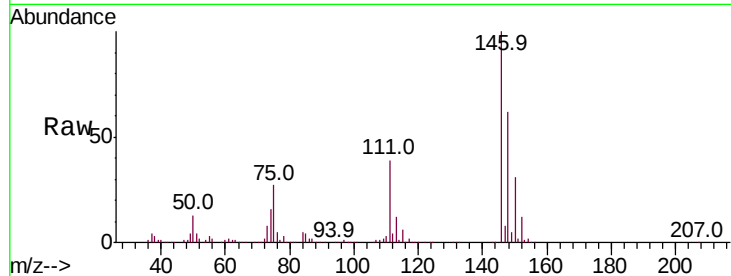
Tot Ion:146 Resp: 304847

Ion Ratio Lower Upper

146 100

111 38.8 31.0 46.4

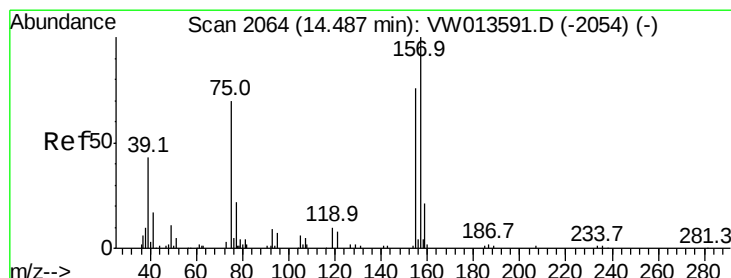
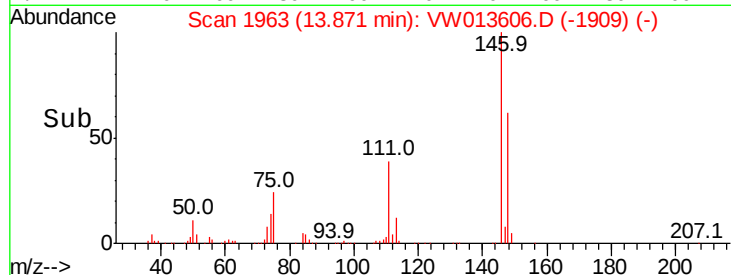
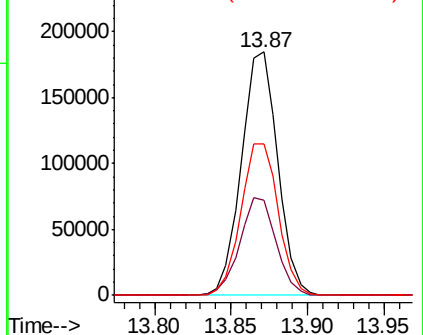
148 62.4 50.3 75.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 27.820 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW013606.D

Acq: 16 Oct 2019 18:11

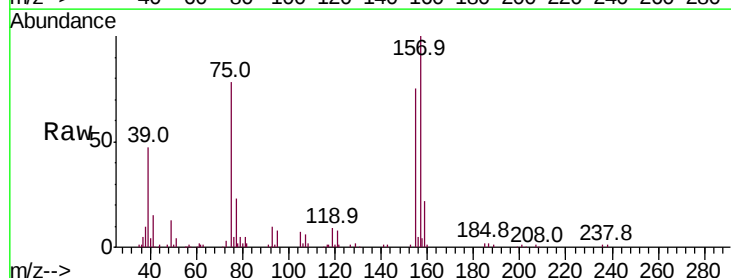
Tgt Ion: 75 Resp: 24767

Ion Ratio Lower Upper

75 100

157 128.5 102.0 153.0

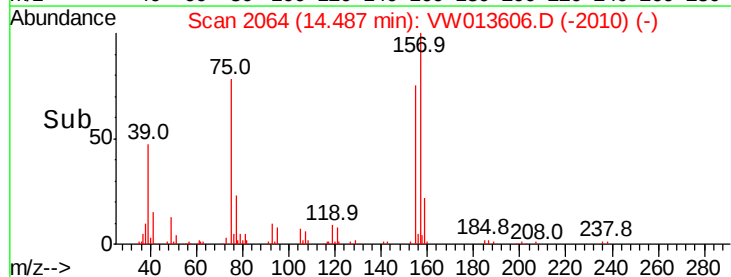
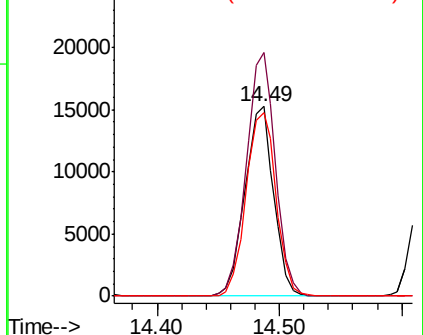
155 97.0 77.6 116.4

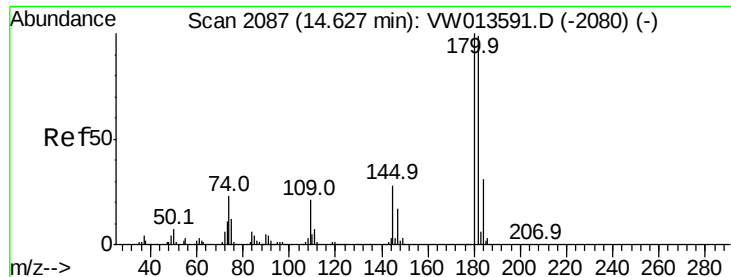


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

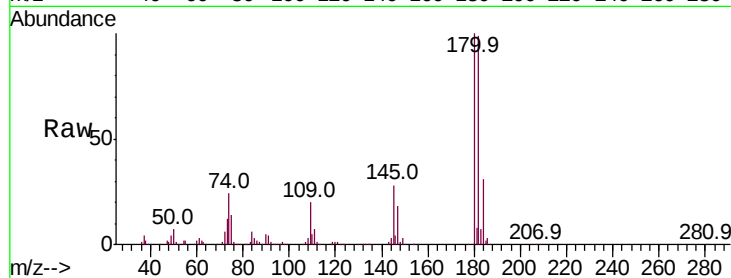




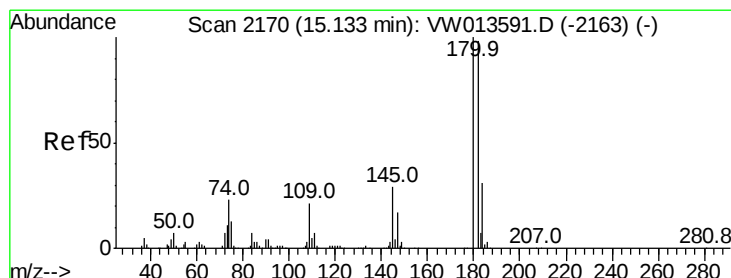
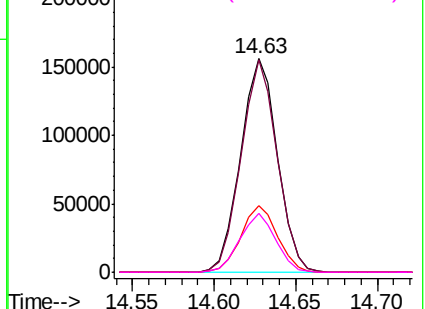
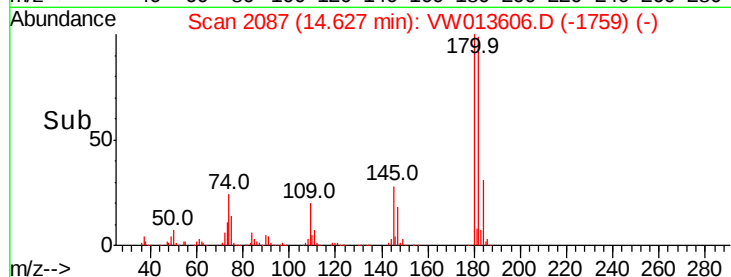
#67
 1,3,5-Trichlorobenzene
 Concen: 22.701 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW013606.D
 Acq: 16 Oct 2019 18:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

Tot Ion:180 Resp: 245729
 Ion Ratio Lower Upper
 180 100
 182 96.9 77.0 115.4
 184 31.0 24.7 37.1
 145 26.9 22.2 33.2

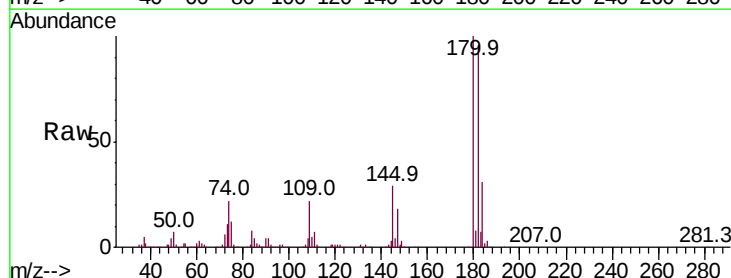


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

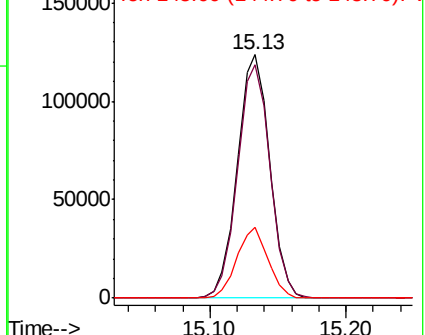
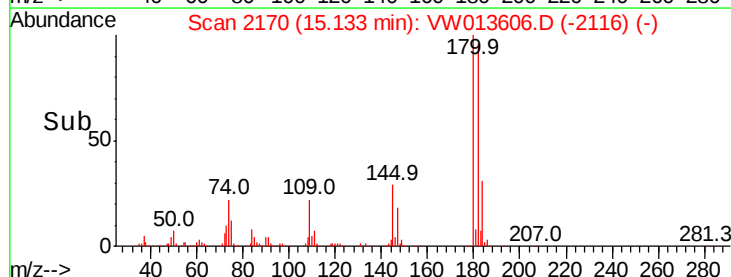


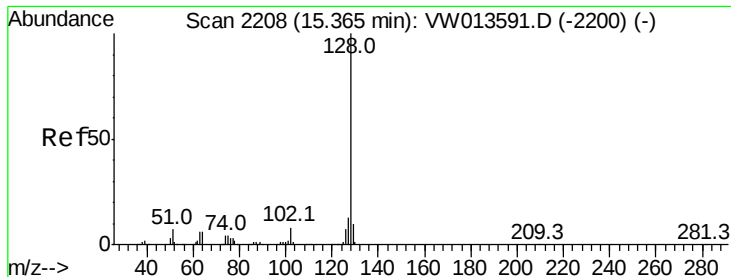
#68
 1,2,4-trichlorobenzene
 Concen: 22.917 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013606.D
 Acq: 16 Oct 2019 18:11

Tgt Ion:180 Resp: 205615
 Ion Ratio Lower Upper
 180 100
 182 95.8 78.2 117.2
 145 27.8 22.8 34.2



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: 25.875 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013606.D

Acq: 16 Oct 2019 18:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD02518

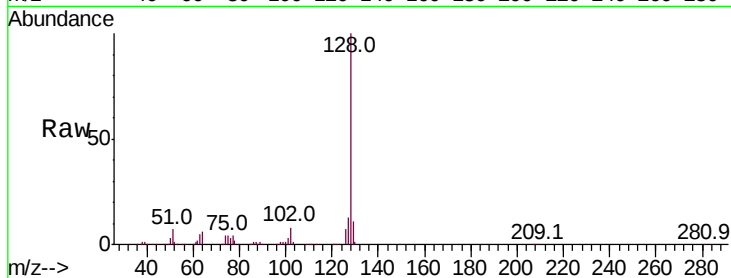
Tot Ion:128 Resp: 422846

Ion Ratio Lower Upper

128 100

129 11.1 8.5 12.7

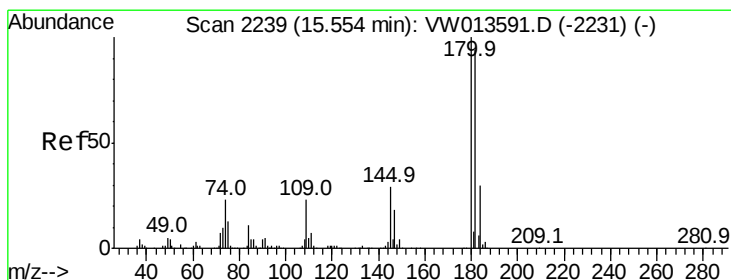
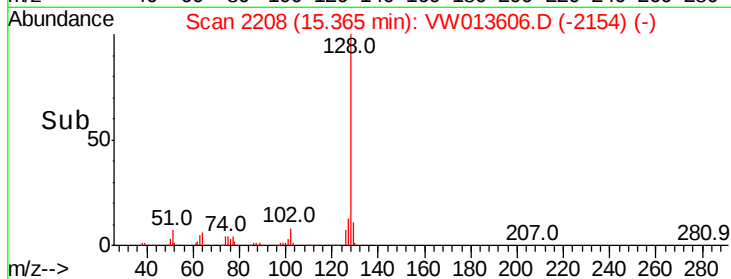
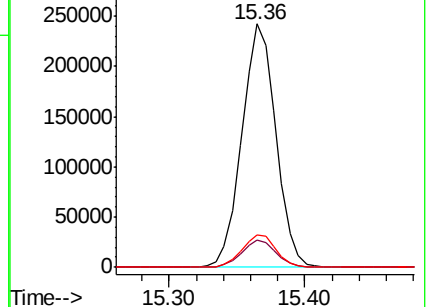
127 13.3 10.4 15.6



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: 23.651 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW013606.D

Acq: 16 Oct 2019 18:11

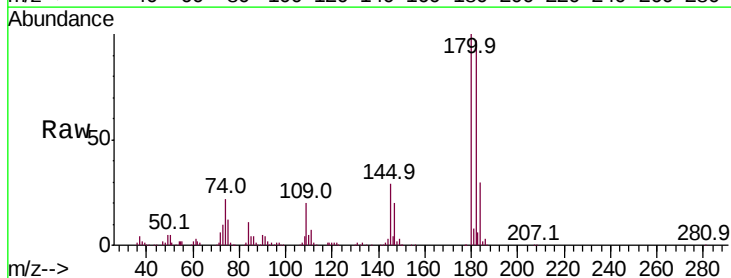
Tgt Ion:180 Resp: 188953

Ion Ratio Lower Upper

180 100

182 95.6 76.0 114.0

145 29.7 23.1 34.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

