

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061720\
 Data File : VW015624.D
 Acq On : 17 Jun 2020 18:08
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 4.53G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

Quant Time: Jun 18 07:18:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 18 07:15:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	329664	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	303889	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	156871	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	54144	17.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.68%
7) Chloroethane-d5	2.90	69	66174	22.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.12%
10) 1,1-Dichloroethene-d2	4.03	63	145131	19.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.88%
20) 2-Butanone-d5	7.08	46	49165	49.85	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.70%
24) Chloroform-d	7.65	84	171195	22.46	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.84%
26) 1,2-Dichloroethane-d4	8.31	65	97161	22.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.64%
29) Benzene-d6	8.27	84	314591	21.11	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	84.44%
33) 1,2-Dichloropropane-d6	9.27	67	97622	21.55	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.20%
37) Toluene-d8	10.32	98	300998	20.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	83.08%
38) trans-1,3-Dichloropropene-	10.58	79	40868	19.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	78.04%
39) 2-Hexanone-d5	10.93	63	40256	51.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.68%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	85958	25.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.84%
61) 1,2-Dichlorobenzene-d4	13.85	152	112699	21.44	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.76%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	59346	20.377	ug/L	97
3) Chloromethane	2.21	50	59236	18.476	ug/L	100
5) Vinyl chloride	2.37	62	108402	22.484	ug/L	99
6) Bromomethane	2.79	94	68537	21.871	ug/L	100
8) Chloroethane	2.93	64	66713	22.731	ug/L	99
9) Trichlorofluoromethane	3.27	101	82744	24.116	ug/L	96
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	91007	22.364	ug/L	98
12) 1,1-Dichloroethene	4.04	96	84982	21.619	ug/L	92
13) Acetone	4.12	43	40315	52.872	ug/L	100
14) Carbon disulfide	4.39	76	246510	18.798	ug/L	100
15) Methyl Acetate	4.67	43	37875	22.959	ug/L	99
16) Methylene chloride	4.92	84	97753	24.160	ug/L	95
17) Methyl tert-butyl Ether	5.43	73	139988	22.441	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	93282	22.143	ug/L	98
19) 1,1-Dichloroethane	6.22	63	170219	22.465	ug/L	99
21) 2-Butanone	7.18	43	53453	45.634	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	98673	22.453	ug/L	98

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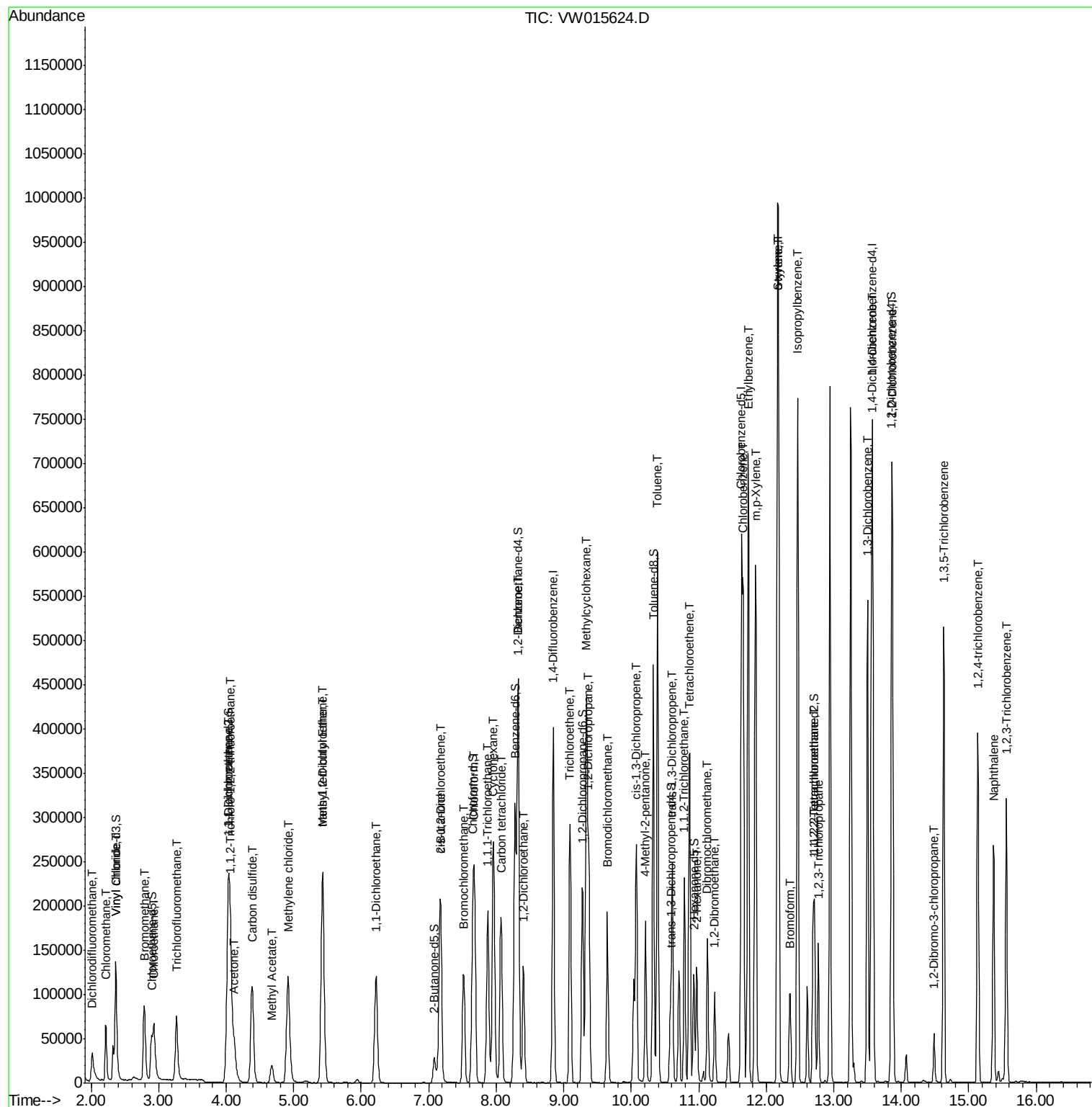
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	43796	23.111	ug/L	97
25) Chloroform	7.68	83	176302	23.108	ug/L	99
27) 1,2-Dichloroethane	8.40	62	120617	23.369	ug/L	100
30) Cyclohexane	7.96	56	154193	20.527	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	154712	22.757	ug/L	99
32) Carbon tetrachloride	8.07	117	140966	22.607	ug/L	99
34) Benzene	8.33	78	382771	22.523	ug/L	100
35) Trichloroethene	9.09	95	101939	22.331	ug/L	99
36) Methylcyclohexane	9.34	83	170232	20.909	ug/L	98
40) 1,2-Dichloropropane	9.37	63	96148	22.974	ug/L	100
41) Bromodichloromethane	9.65	83	125611	22.467	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	145670	21.751	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	114380	46.625	ug/L	99
44) Toluene	10.39	91	429218	23.182	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	129260	22.179	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	70106	23.944	ug/L	95
47) Tetrachloroethene	10.87	164	85523	23.634	ug/L	93
49) 2-Hexanone	10.97	43	78027	47.121	ug/L	98
50) Dibromochloromethane	11.13	129	83388	23.442	ug/L	94
51) 1,2-Dibromoethane	11.24	107	66709	23.733	ug/L	96
52) Chlorobenzene	11.66	112	272747	23.485	ug/L	97
53) Ethylbenzene	11.73	91	482325	22.687	ug/L	100
54) m,p-Xylene	11.84	106	183585	23.012	ug/L	100
55) o-xylene	12.17	106	175103	23.123	ug/L	99
56) Styrene	12.18	104	301958	23.337	ug/L	98
57) Isopropylbenzene	12.46	105	487612	23.116	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	83745	24.706	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	62312	24.244	ug/L	99
62) Bromoform	12.35	173	46362	21.211	ug/L #	96
63) 1,3-Dichlorobenzene	13.50	146	213894	22.282	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	212460	22.588	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	191890	23.004	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	13579	21.458	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	148583	22.357	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	122168	22.824	ug/L	99
69) Naphthalene	15.36	128	222642	22.908	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	107834	23.680	ug/L	100

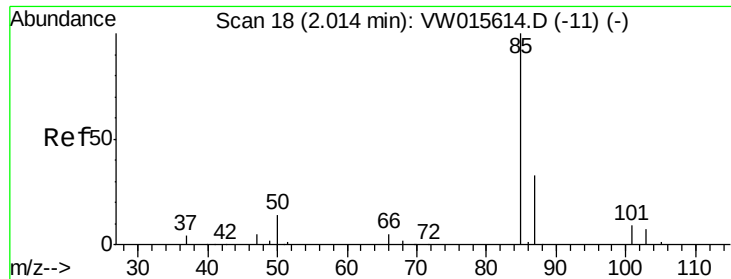
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 20.377 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015624.D

Acq: 17 Jun 2020 18:08

Instrument :

MSVOA_W

ClientSampleId :

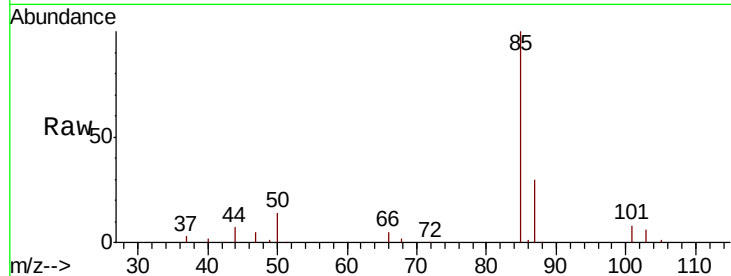
VSTD02511

Tot Ion: 85 Resp: 59346

Ion Ratio Lower Upper

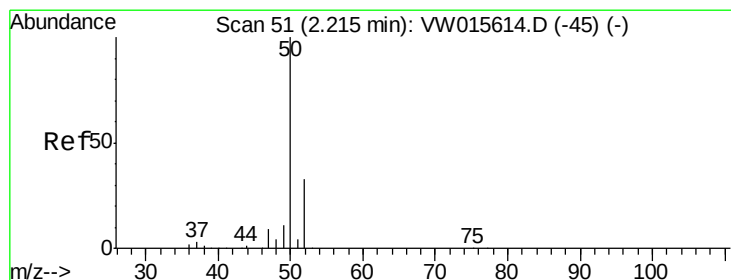
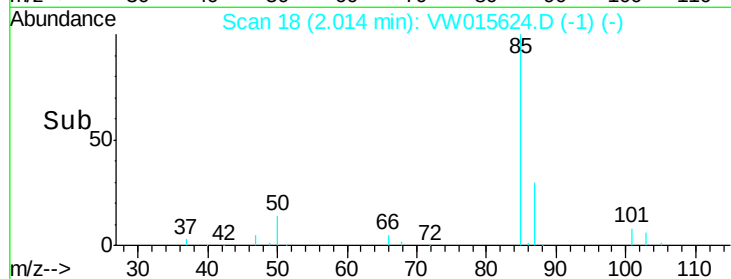
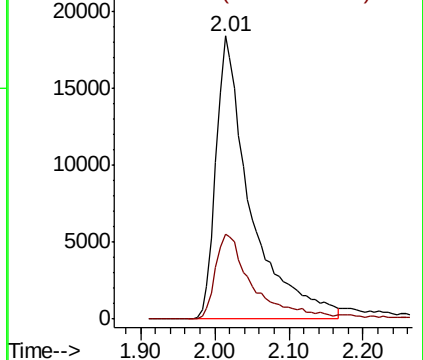
85 100

87 31.5 21.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 18.476 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015624.D

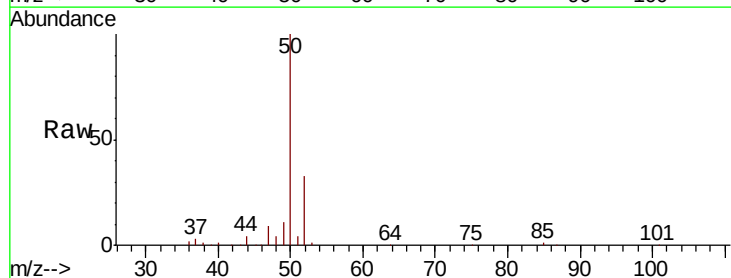
Acq: 17 Jun 2020 18:08

Tgt Ion: 50 Resp: 59236

Ion Ratio Lower Upper

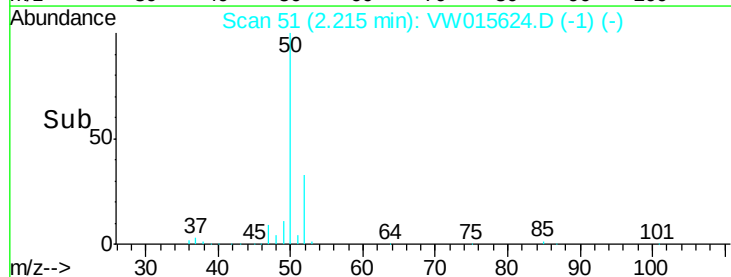
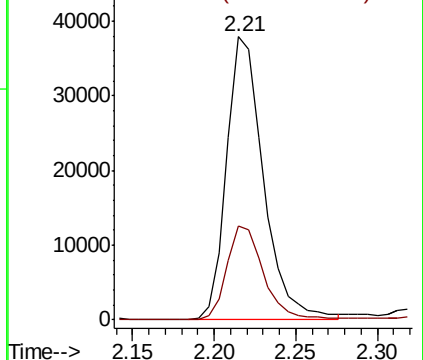
50 100

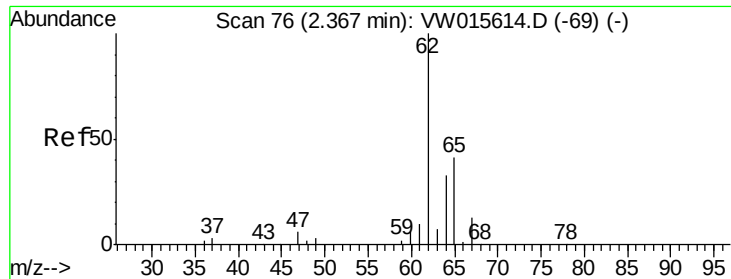
52 33.2 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 22.484 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015624.D

Acq: 17 Jun 2020 18:08

Instrument :

MSVOA_W

ClientSampleId :

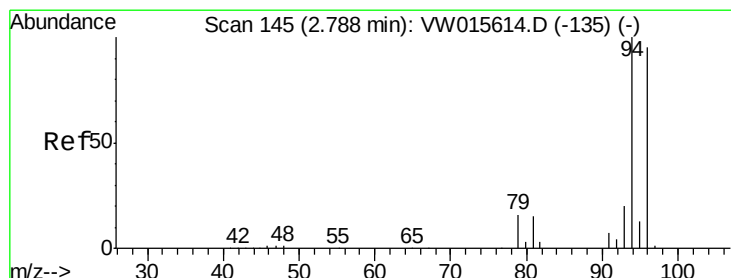
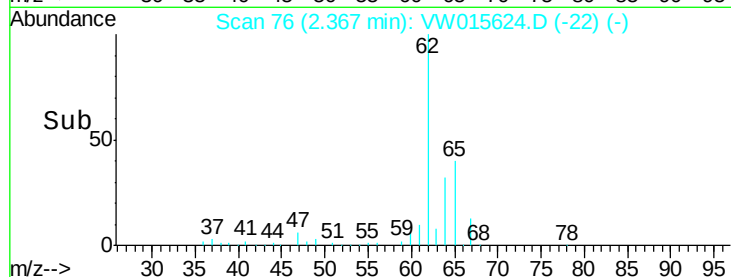
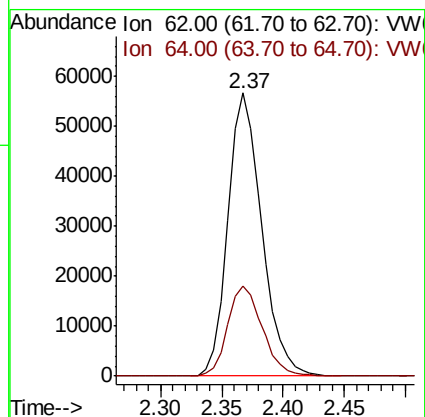
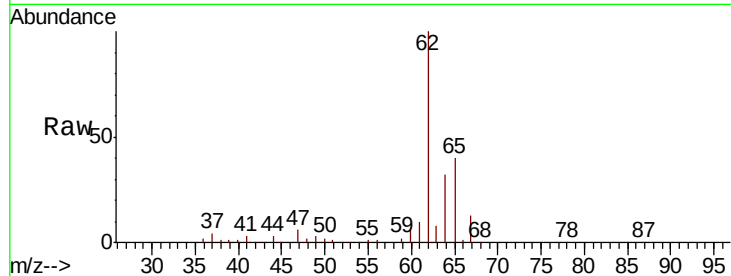
VSTD02511

Tot Ion: 62 Resp: 108402

Ion Ratio Lower Upper

62 100

64 31.9 22.6 42.0



#6

Bromomethane

Concen: 21.871 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW015624.D

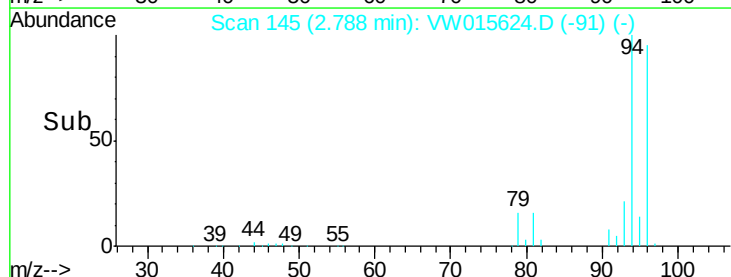
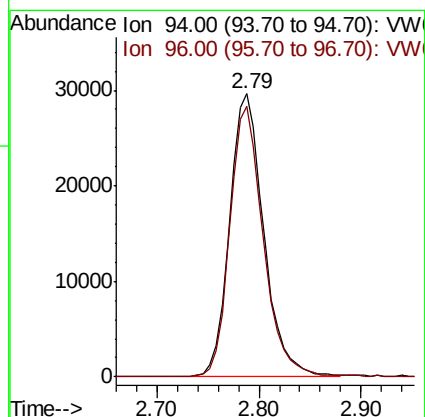
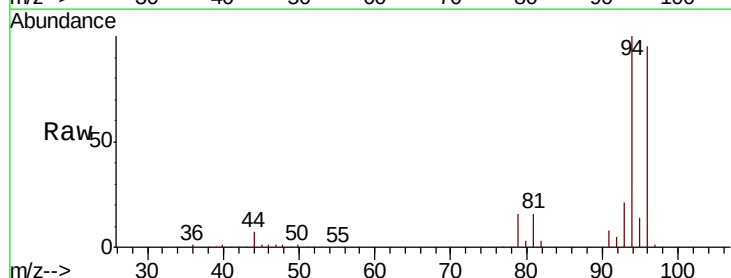
Acq: 17 Jun 2020 18:08

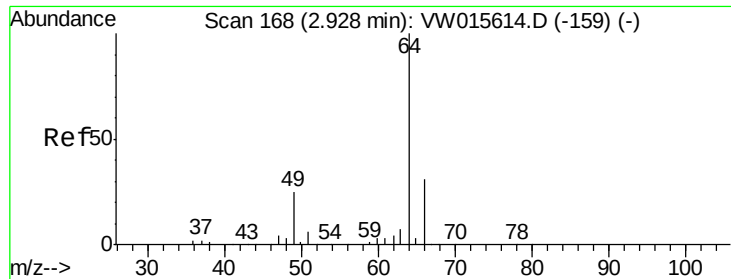
Tgt Ion: 94 Resp: 68537

Ion Ratio Lower Upper

94 100

96 93.5 9.3 177.5





#8

Chloroethane

Concen: 22.731 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW015624.D

Acq: 17 Jun 2020 18:08

Instrument :

MSVOA_W

ClientSampleId :

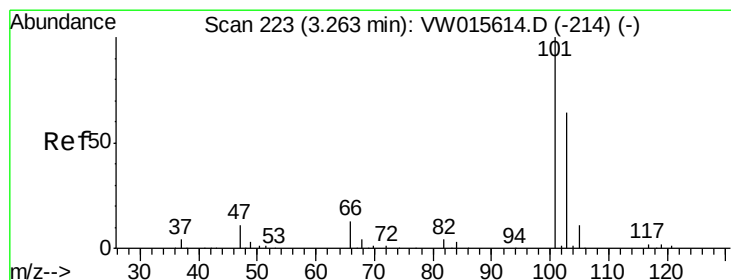
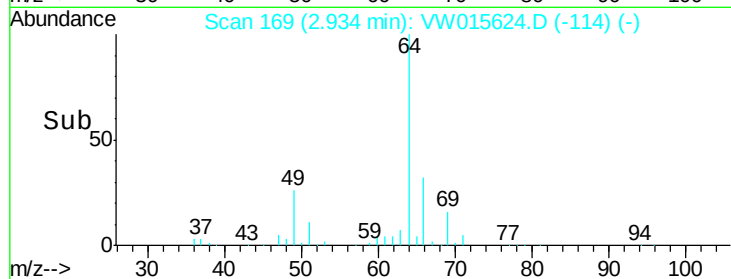
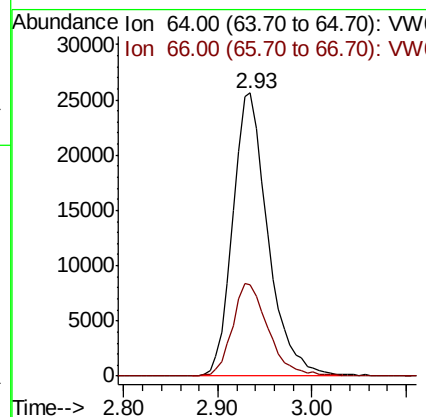
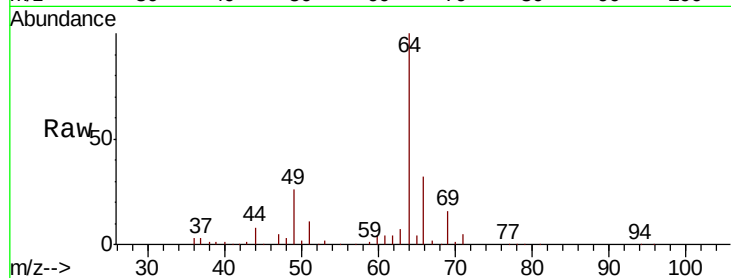
VSTD02511

Tot Ion: 64 Resp: 66713

Ion Ratio Lower Upper

64 100

66 32.1 22.0 40.8



#9

Trichlorofluoromethane

Concen: 24.116 ug/L

RT: 3.27 min Scan# 224

Delta R.T. 0.01 min

Lab File: VW015624.D

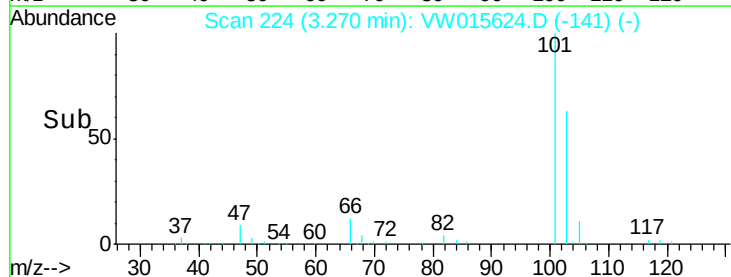
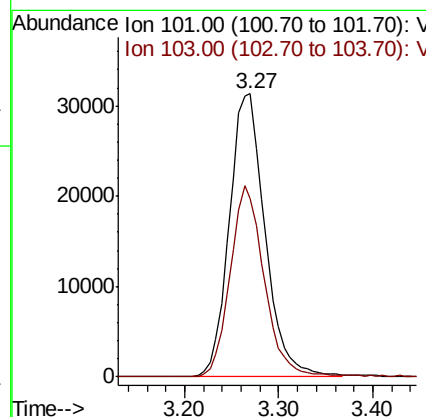
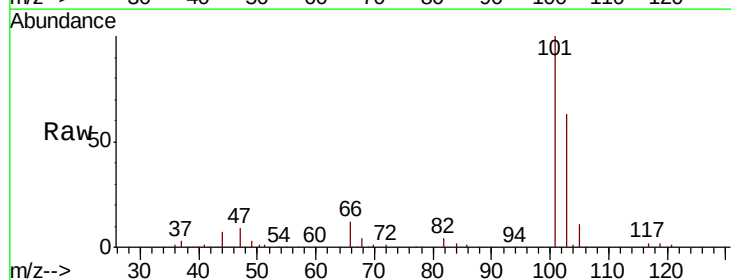
Acq: 17 Jun 2020 18:08

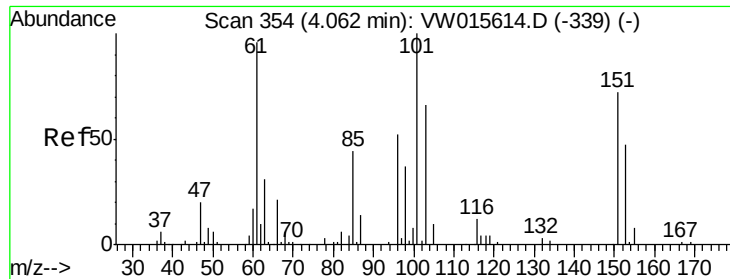
Tgt Ion: 101 Resp: 82744

Ion Ratio Lower Upper

101 100

103 63.6 46.6 86.6





#11

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

Concen: 22.364 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW015624.D

Acq: 17 Jun 2020 18:08

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

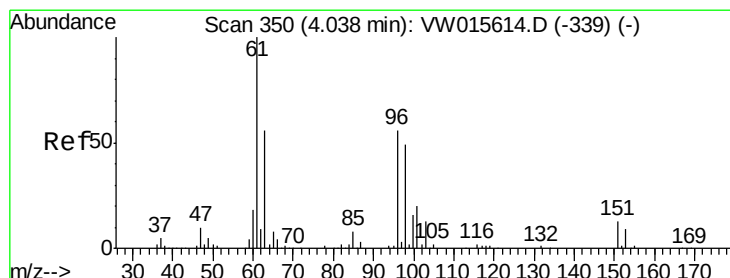
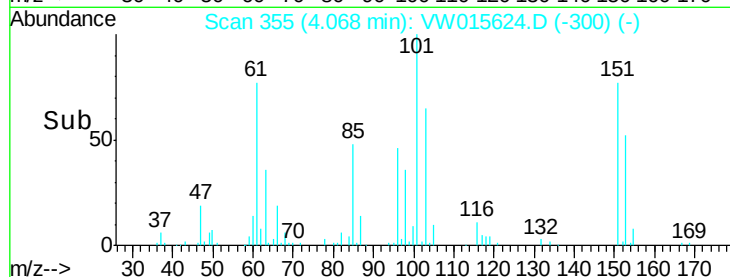
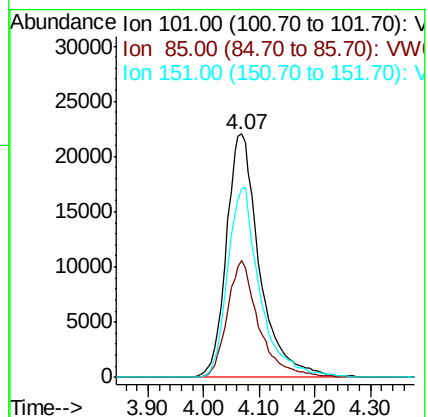
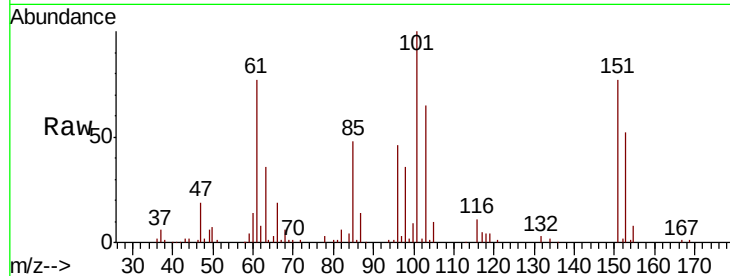
Tot Ion:101 Resp: 91007

Ion Ratio Lower Upper

101 100

85 45.6 35.1 52.7

151 73.9 58.6 87.8



#12

1,1-Dichloroethene

Concen: 21.619 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW015624.D

Acq: 17 Jun 2020 18:08

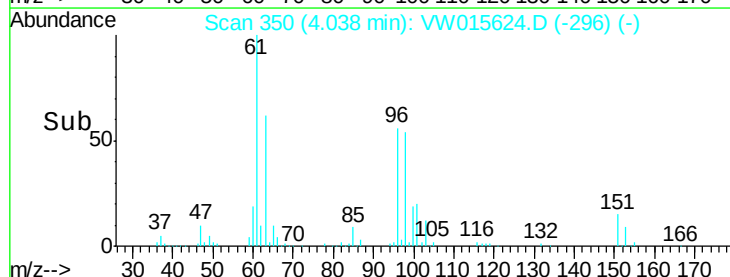
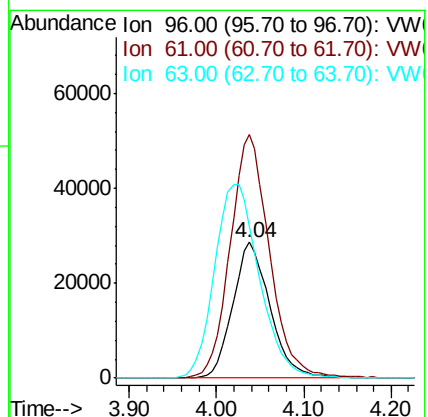
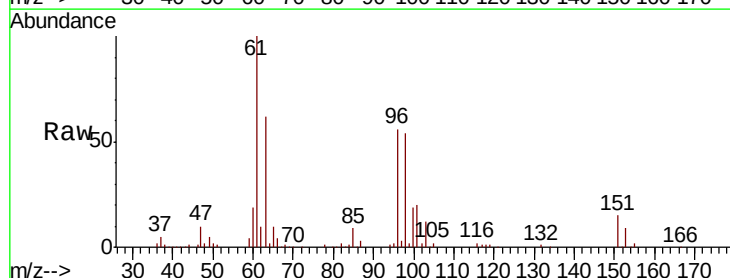
Tgt Ion: 96 Resp: 84982

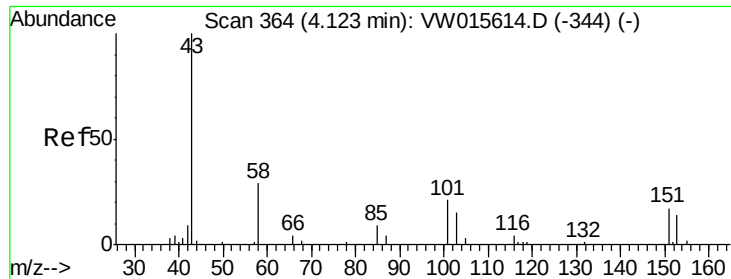
Ion Ratio Lower Upper

96 100

61 179.5 127.7 237.1

63 111.9 92.3 171.5





#13

Acetone

Concen: 52.872 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW015624.D

Acq: 17 Jun 2020 18:08

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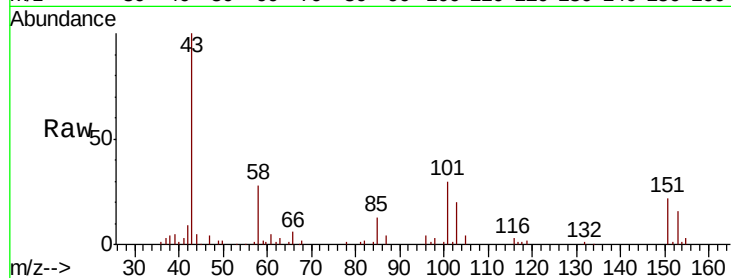
VSTD02511

Tot Ion: 43 Resp: 40315

Ion Ratio Lower Upper

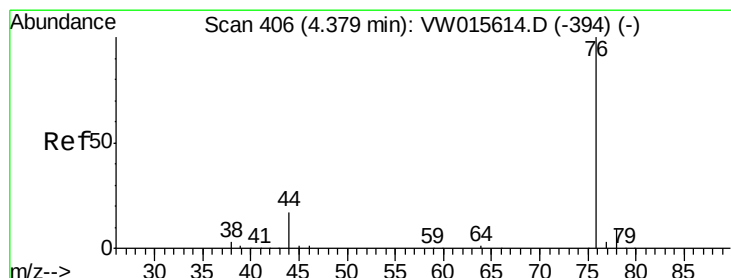
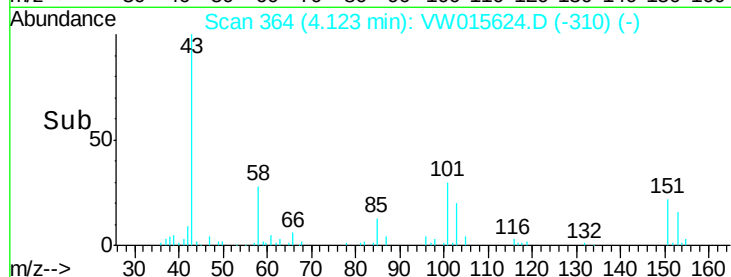
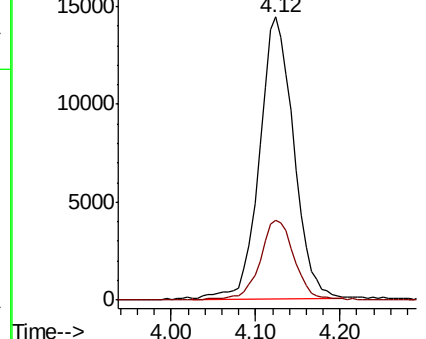
43 100

58 28.3 0.0 56.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 18.798 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW015624.D

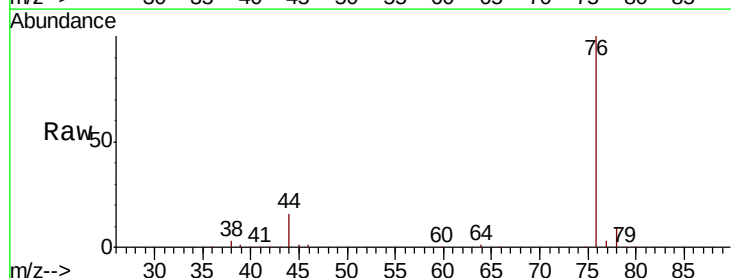
Acq: 17 Jun 2020 18:08

Tgt Ion: 76 Resp: 246510

Ion Ratio Lower Upper

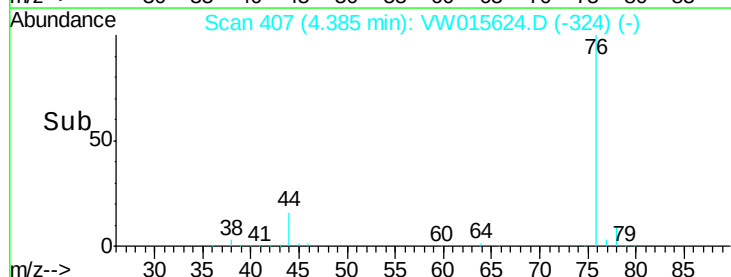
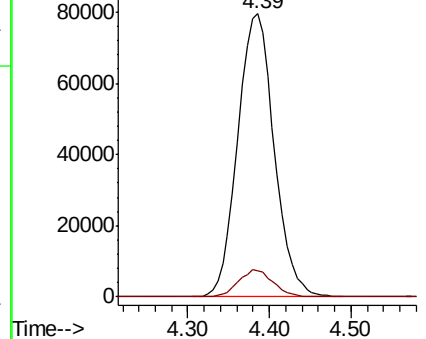
76 100

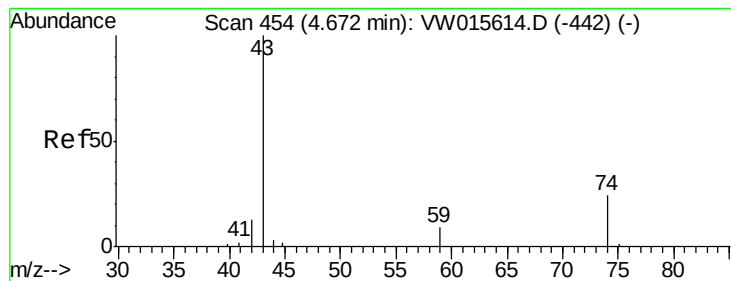
78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methvl Acetate

Concen: 22.959 ug/L

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW015624.D

Acq: 17 Jun 2020 18:08

Instrument :

MSVOA_W

ClientSampled :

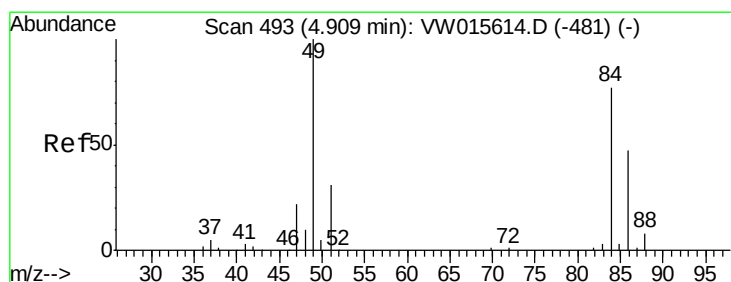
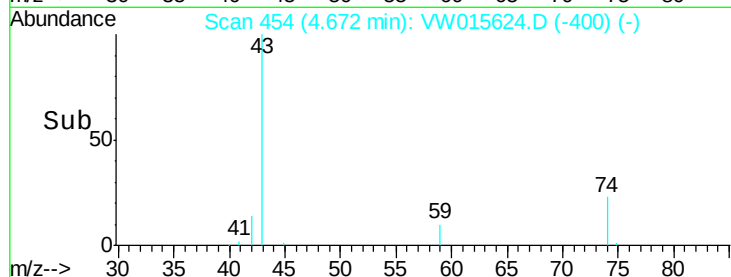
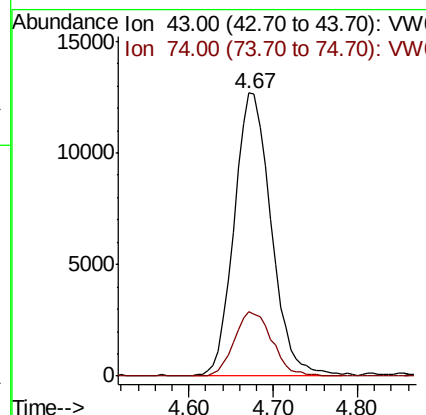
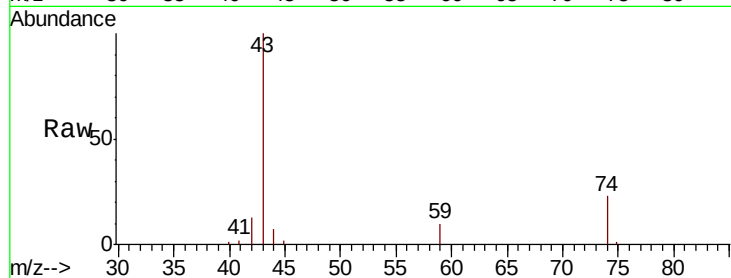
VSTD02511

Tot Ion: 43 Resp: 37875

Ion Ratio Lower Upper

43 100

74 23.1 18.2 27.2



#16

Methylene chloride

Concen: 24.160 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW015624.D

Acq: 17 Jun 2020 18:08

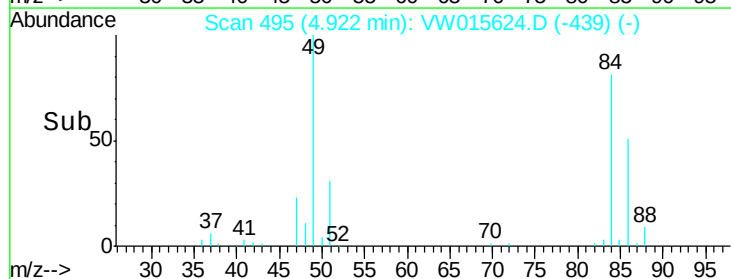
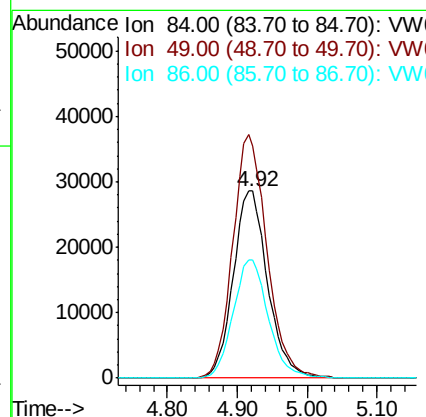
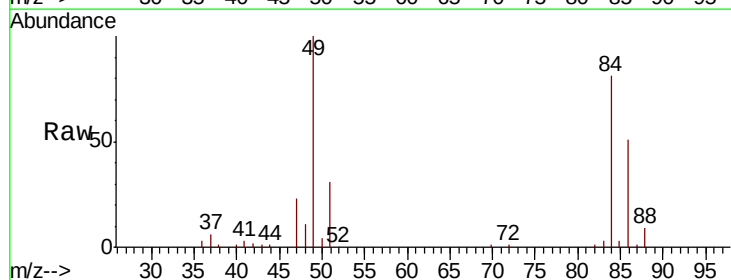
Tgt Ion: 84 Resp: 97753

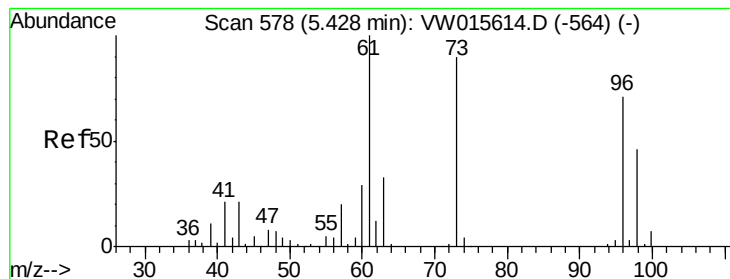
Ion Ratio Lower Upper

84 100

49 124.0 93.0 172.8

86 63.5 44.7 83.1





#17

Methyl tert-butyl Ether

Concen: 22.441 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW015624.D

Acq: 17 Jun 2020 18:08

Instrument :

MSVOA_W

ClientSampled :

VSTD02511

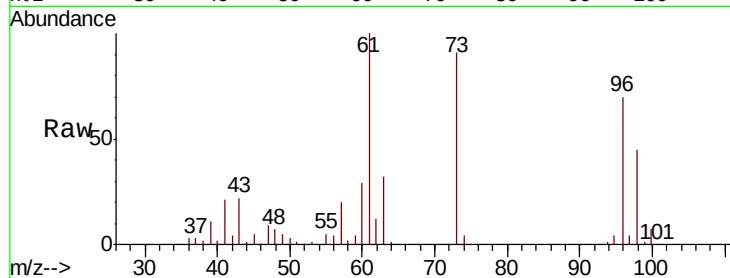
Tot Ion: 73 Resp: 139988

Ion Ratio Lower Upper

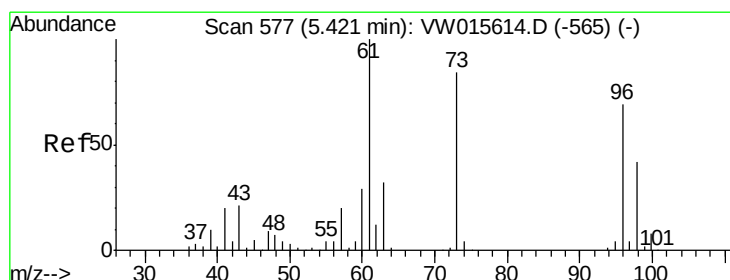
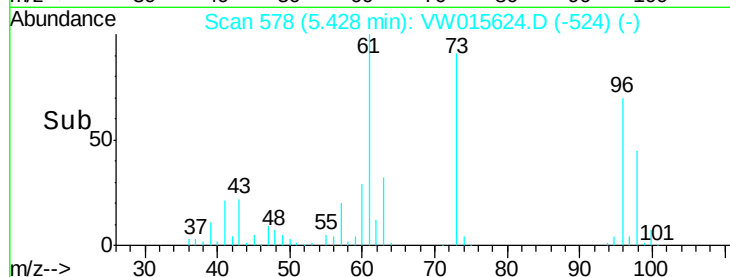
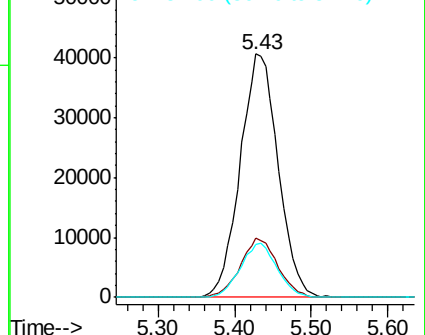
73 100

43 24.0 19.6 29.4

57 21.7 17.7 26.5



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



#18

trans-1,2-Dichloroethene

Concen: 22.143 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW015624.D

Acq: 17 Jun 2020 18:08

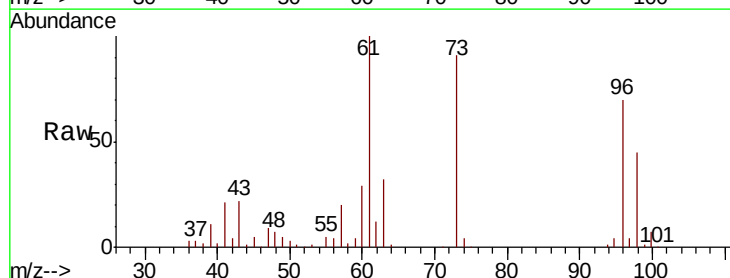
Tgt Ion: 96 Resp: 93282

Ion Ratio Lower Upper

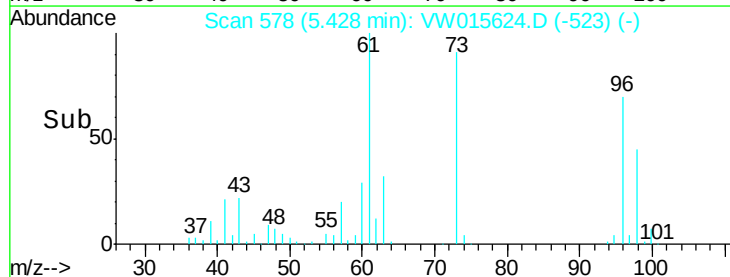
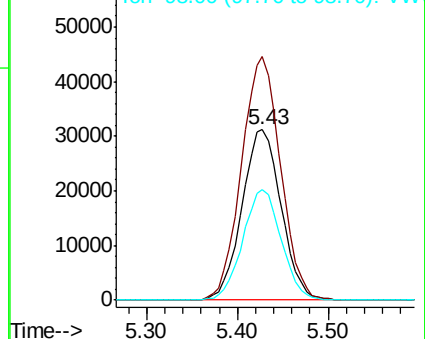
96 100

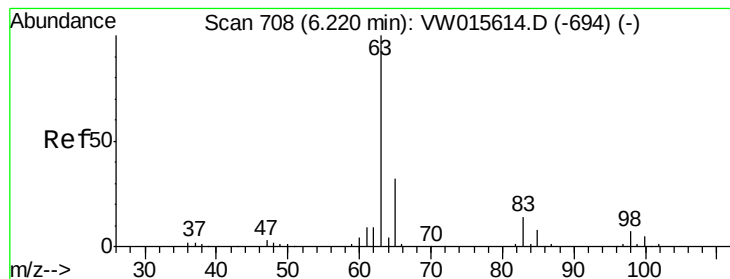
61 142.8 101.9 189.3

98 64.5 44.9 83.5



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: 22.465 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015624.D

Acq: 17 Jun 2020 18:08

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

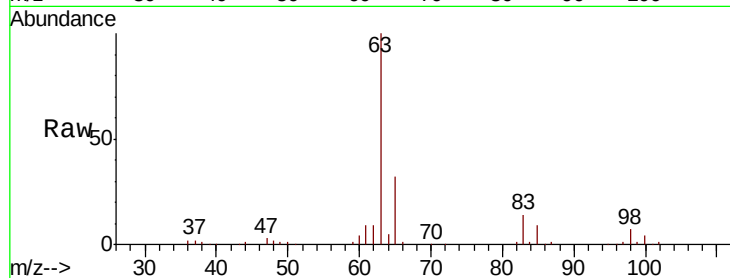
Tot Ion: 63 Resp: 170219

Ion Ratio Lower Upper

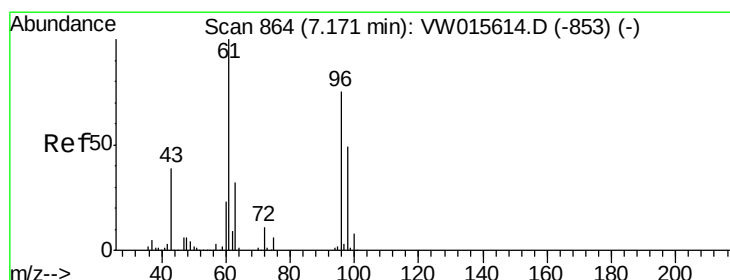
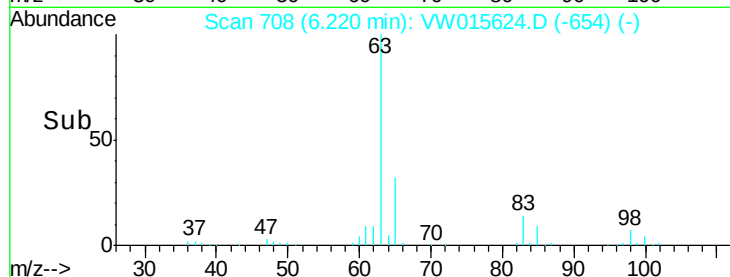
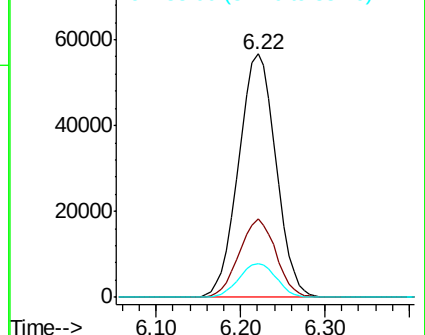
63 100

65 32.1 22.1 41.1

83 13.9 9.7 17.9



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: 45.634 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW015624.D

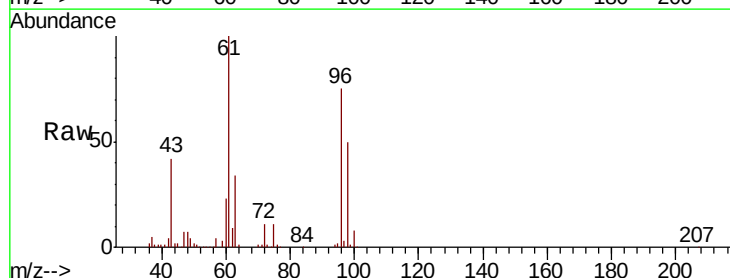
Acq: 17 Jun 2020 18:08

Tgt Ion: 43 Resp: 53453

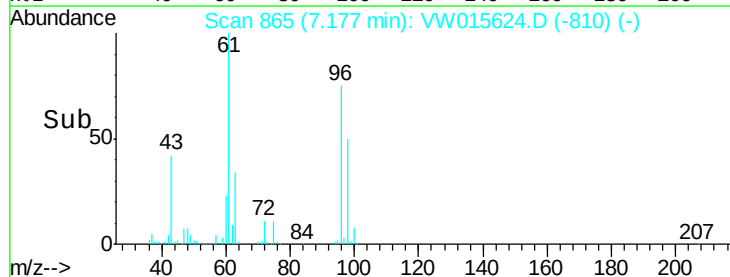
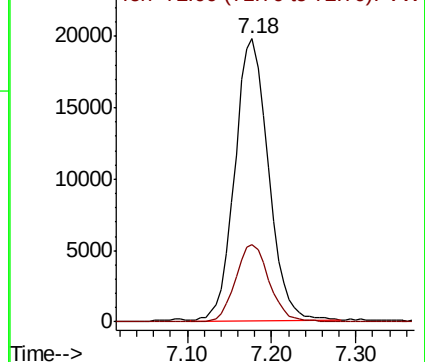
Ion Ratio Lower Upper

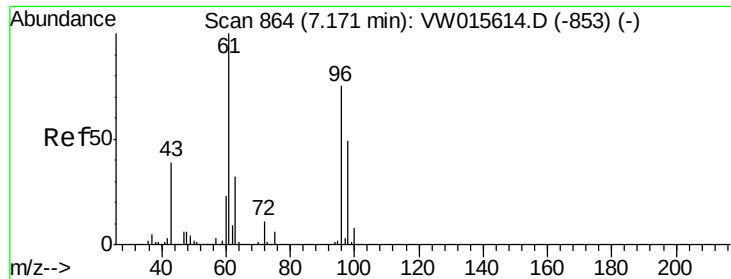
43 100

72 27.4 13.3 39.9



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#22

cis-1,2-Dichloroethene

Concen: 22.453 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015624.D

Acq: 17 Jun 2020 18:08

Instrument :

MSVOA_W

ClientSampled :

VSTD02511

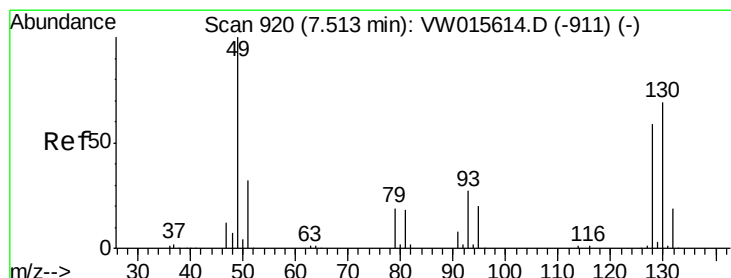
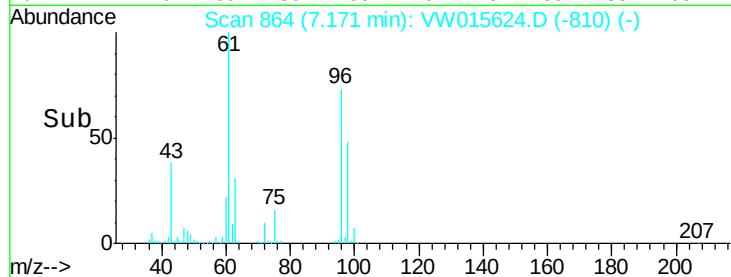
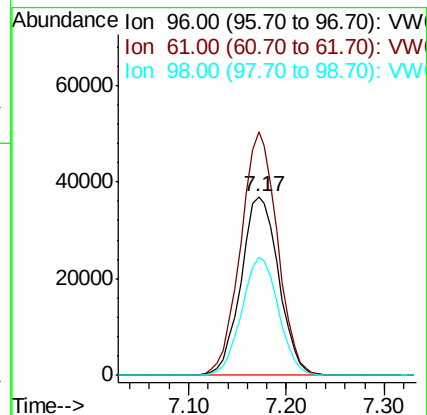
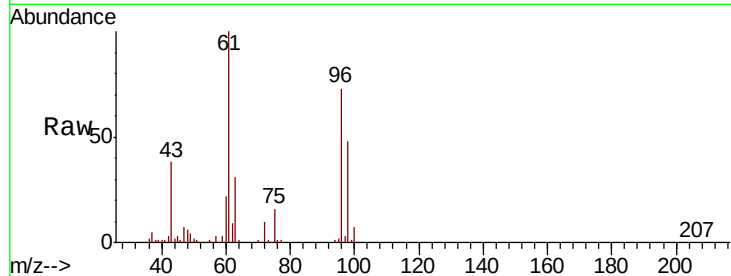
Tot Ion: 96 Resp: 98673

Ion Ratio Lower Upper

96 100

61 136.4 93.7 173.9

98 65.9 45.1 83.9



#23

Bromochloromethane

Concen: 23.111 ug/L

RT: 7.52 min Scan# 921

Delta R.T. 0.01 min

Lab File: VW015624.D

Acq: 17 Jun 2020 18:08

Tgt Ion: 128 Resp: 43796

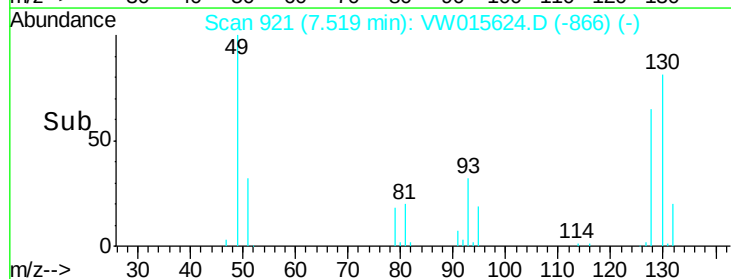
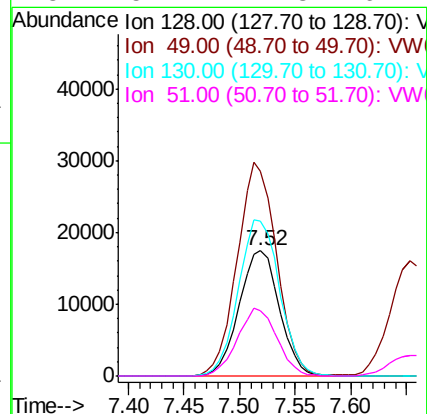
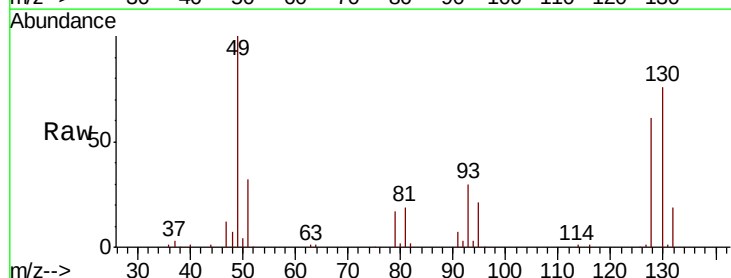
Ion Ratio Lower Upper

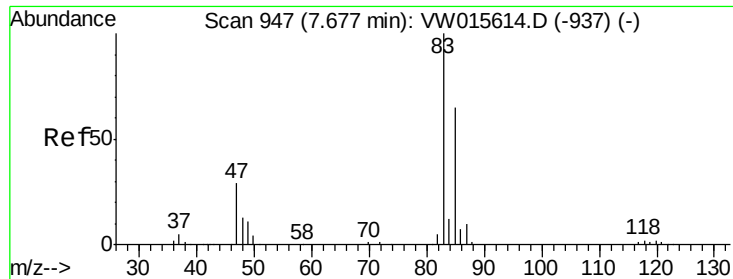
128 100

49 163.2 118.1 219.3

130 124.1 88.5 164.3

51 51.7 42.8 64.2

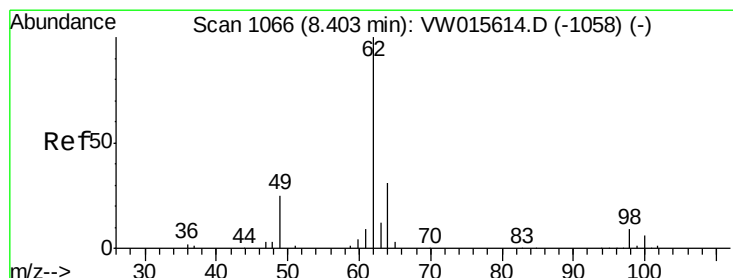
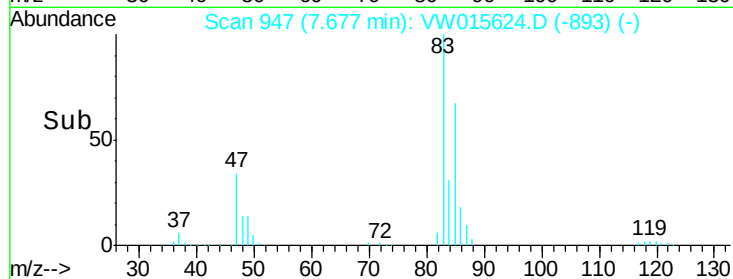
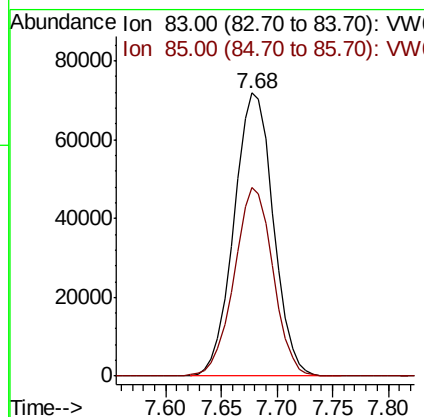
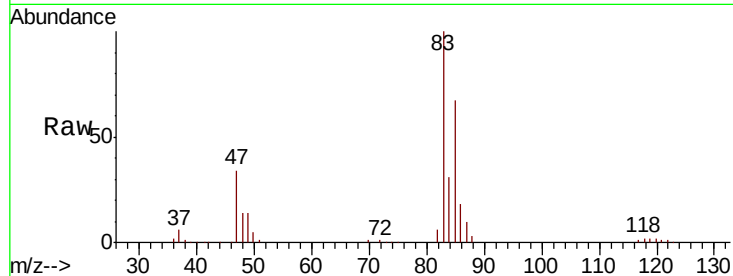




#25
Chloroform
Concen: 23.108 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015624.D
Acq: 17 Jun 2020 18:08

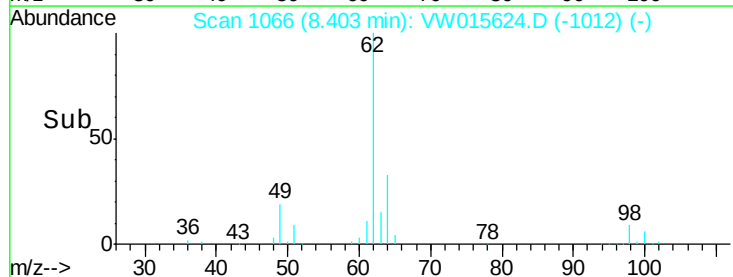
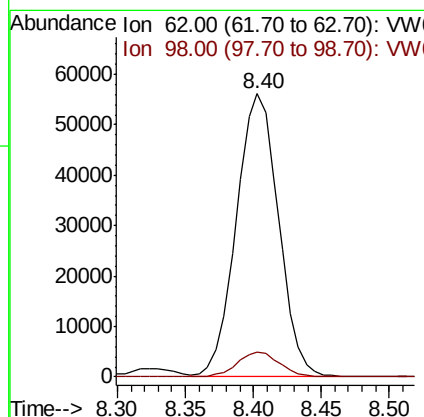
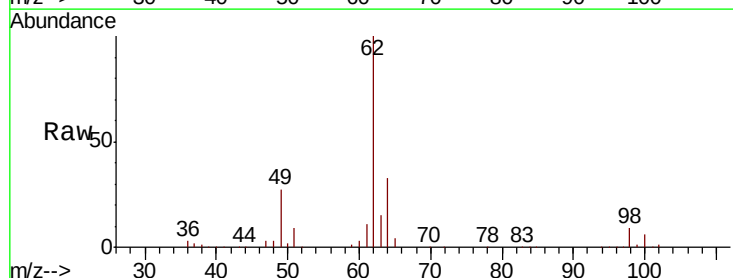
Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

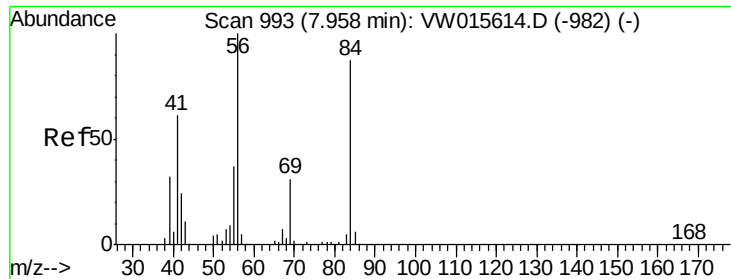
Tot Ion: 83 Resp: 176302
Ion Ratio Lower Upper
83 100
85 66.0 45.7 84.9



#27
1,2-Dichloroethane
Concen: 23.369 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015624.D
Acq: 17 Jun 2020 18:08

Tgt Ion: 62 Resp: 120617
Ion Ratio Lower Upper
62 100
98 8.8 7.0 10.4

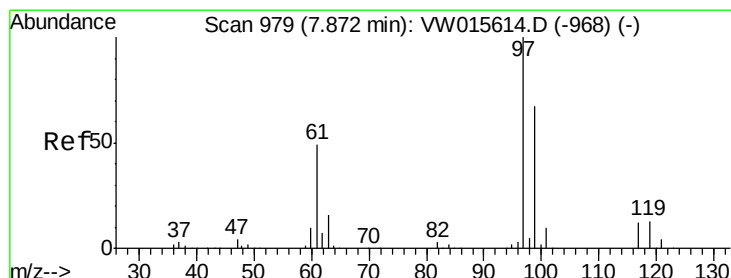
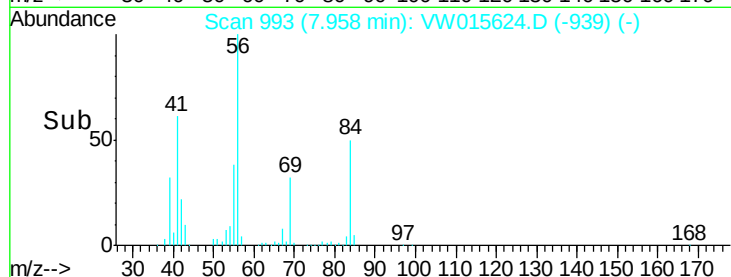
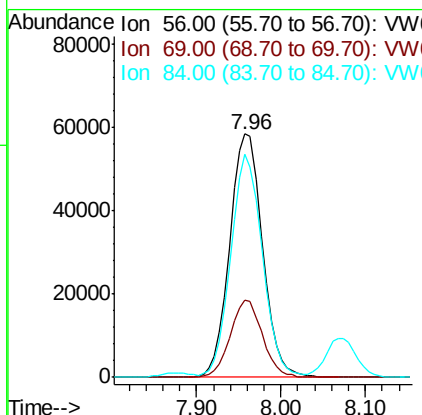
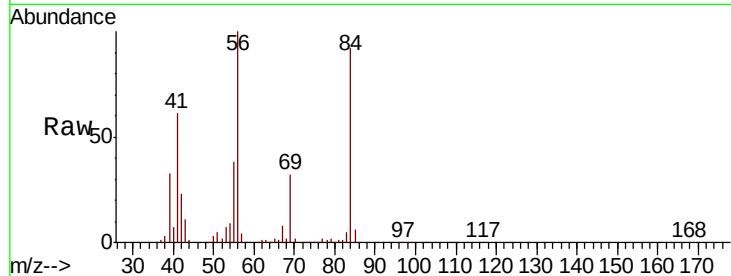




#30
Cyclohexane
Concen: 20.527 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW015624.D
Acq: 17 Jun 2020 18:08

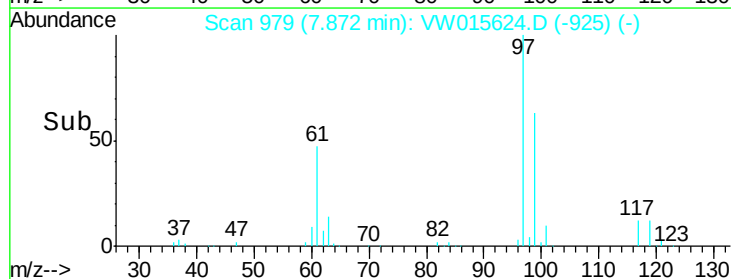
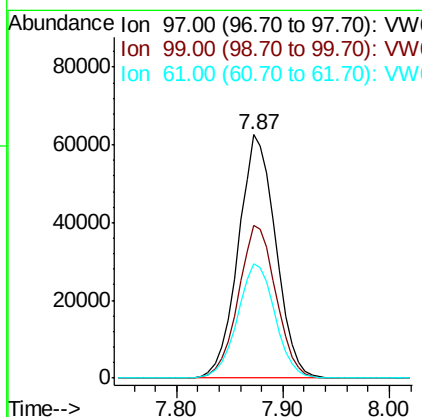
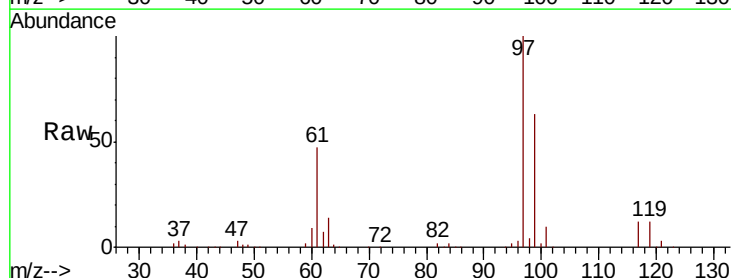
Instrument :
MSVOA_W
ClientSampled :
VSTD02511

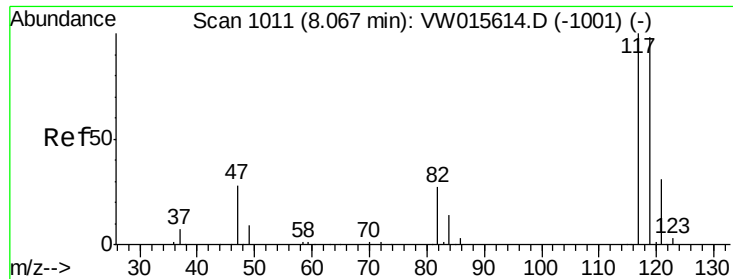
Tot Ion: 56 Resp: 154193
Ion Ratio Lower Upper
56 100
69 31.0 24.6 37.0
84 88.4 69.6 104.4



#31
1,1,1-Trichloroethane
Concen: 22.757 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015624.D
Acq: 17 Jun 2020 18:08

Tgt Ion: 97 Resp: 154712
Ion Ratio Lower Upper
97 100
99 63.3 51.4 77.0
61 47.2 38.1 57.1





#32

Carbon tetrachloride

Concen: 22.607 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW015624.D

Acq: 17 Jun 2020 18:08

Instrument :

MSVOA_W

ClientSampleId :

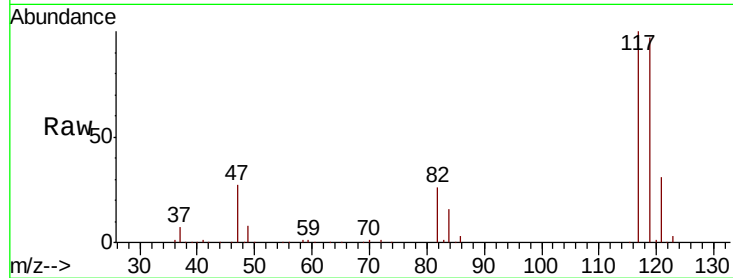
VSTD02511

Tot Ion:117 Resp: 140966

Ion Ratio Lower Upper

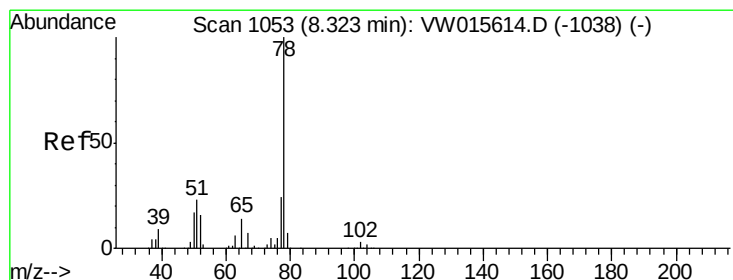
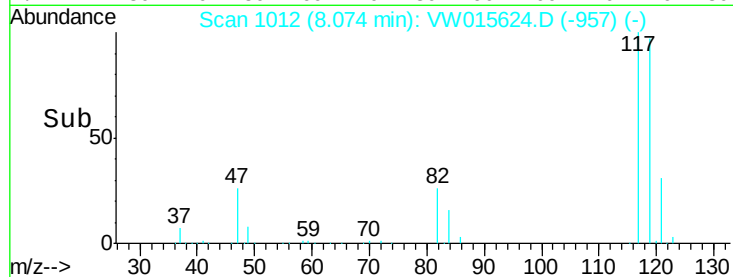
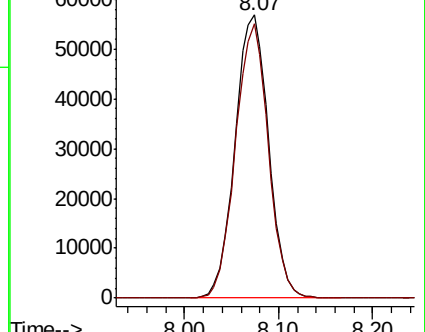
117 100

119 94.9 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 22.523 ug/L

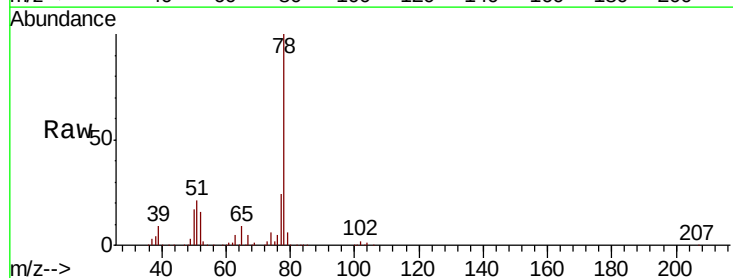
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW015624.D

Acq: 17 Jun 2020 18:08

Tgt Ion: 78 Resp: 382771



Abundance Ion 78.00 (77.70 to 78.70): VW

200000

150000

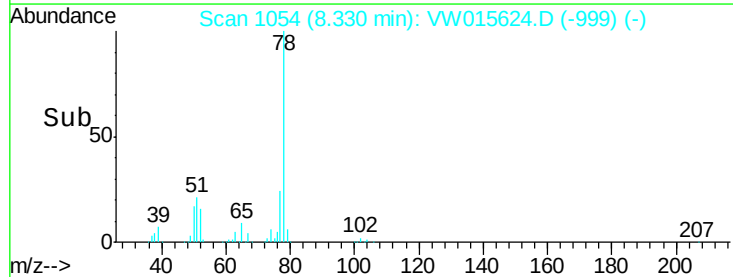
100000

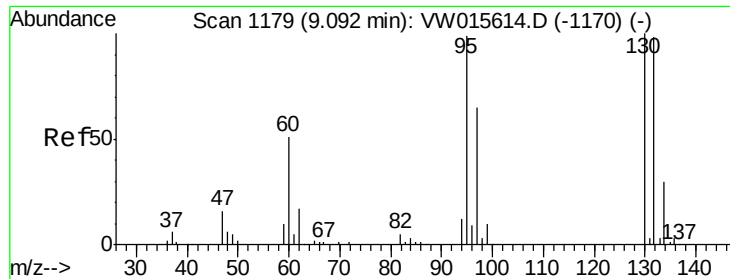
50000

0

8.20 8.30 8.40

Time-->

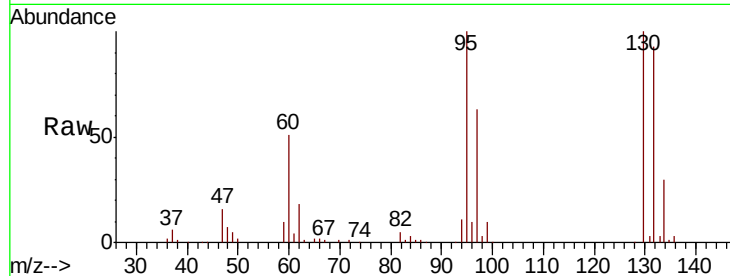




#35
 Trichloroethene
 Concen: 22.331 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW015624.D
 Acq: 17 Jun 2020 18:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

Tot Ion:	95	Resp:	101939
Ion	Ratio	Lower	Upper
95	100		
97	63.3	45.4	84.2
132	96.0	67.1	124.7
130	99.9	69.4	128.8



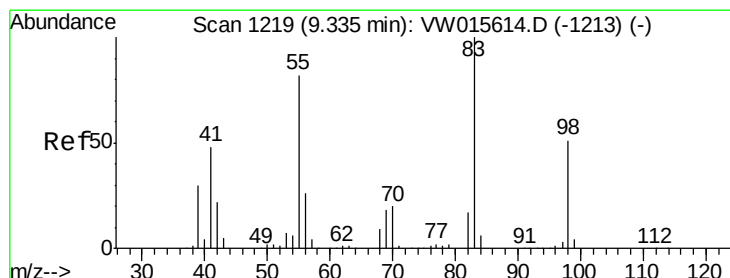
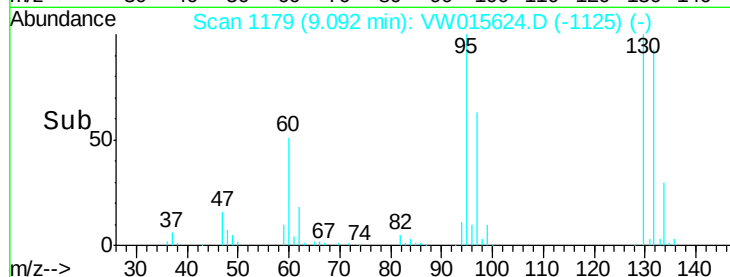
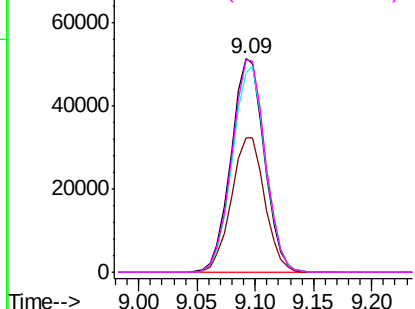
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

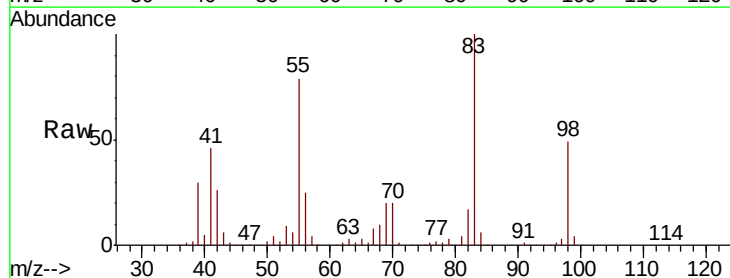
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36
 Methylcyclohexane
 Concen: 20.909 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW015624.D
 Acq: 17 Jun 2020 18:08

Tgt Ion:	83	Resp:	170232
Ion	Ratio	Lower	Upper
83	100		
55	79.9	62.8	94.2
98	50.3	39.2	58.8

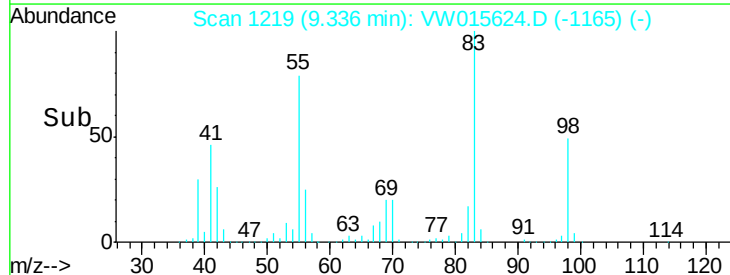
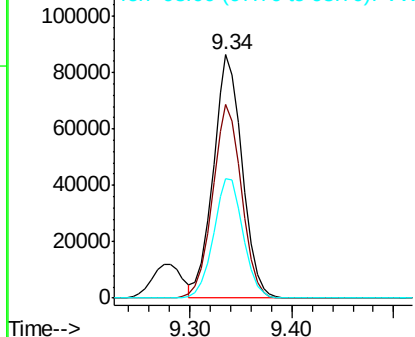


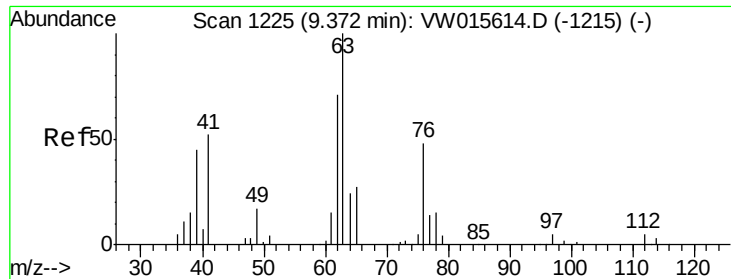
Abundance

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

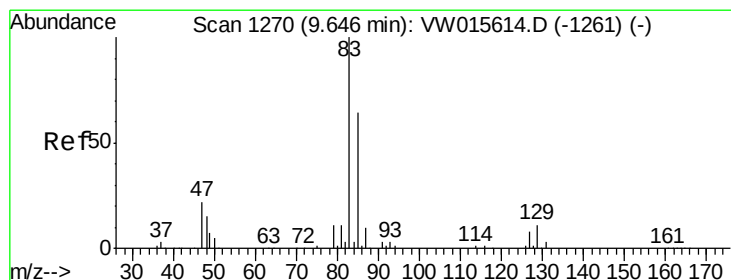
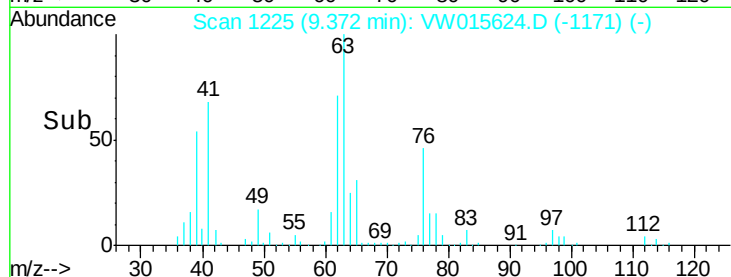
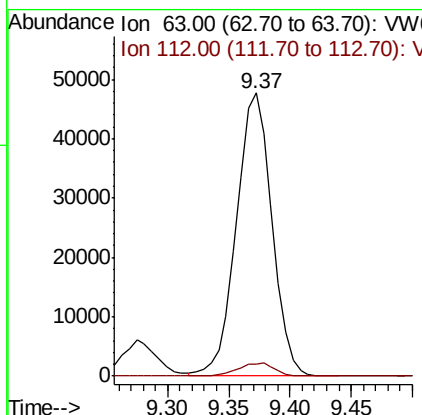
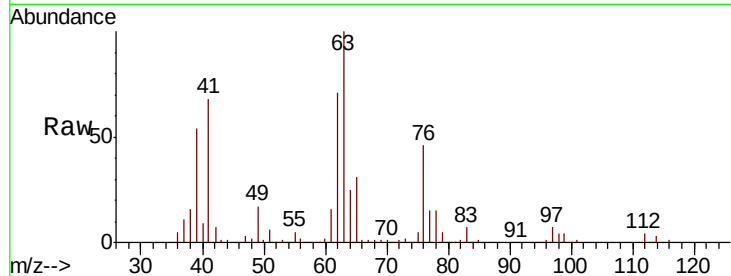




#40
 1,2-Dichloropropane
 Concen: 22.974 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015624.D
 Acq: 17 Jun 2020 18:08

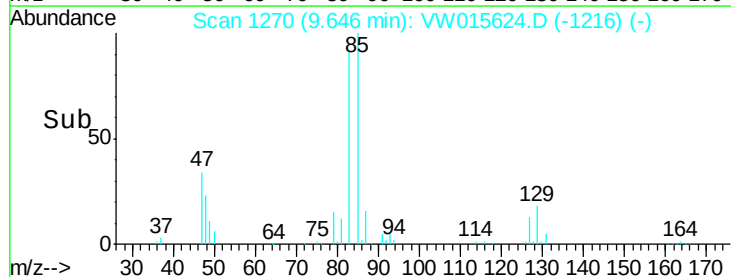
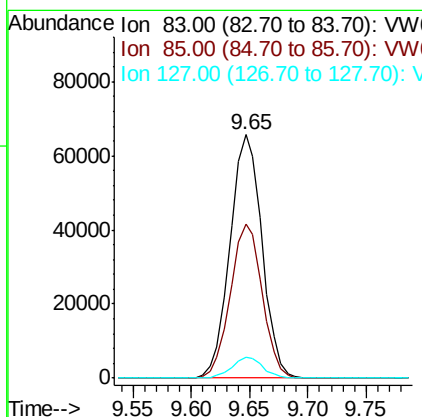
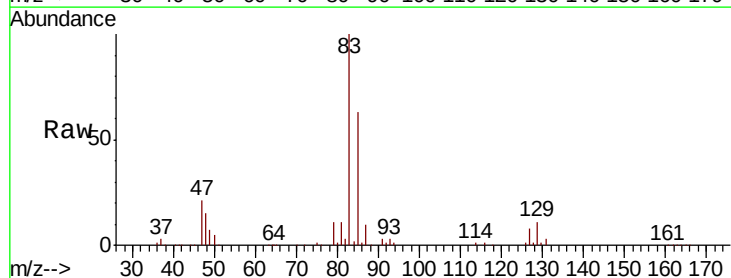
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

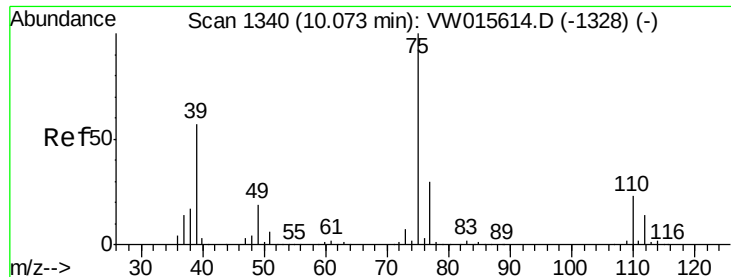
Tot Ion: 63 Resp: 96148
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.8 5.8



#41
 Bromodichloromethane
 Concen: 22.467 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW015624.D
 Acq: 17 Jun 2020 18:08

Tgt Ion: 83 Resp: 125611
 Ion Ratio Lower Upper
 83 100
 85 63.4 44.8 83.2
 127 8.4 7.0 10.6





#42

cis-1,3-Dichloropropene

Concen: 21.751 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015624.D

Acq: 17 Jun 2020 18:08

Instrument :

MSVOA_W

ClientSampled :

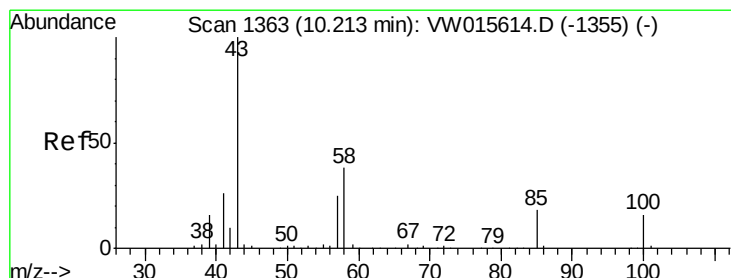
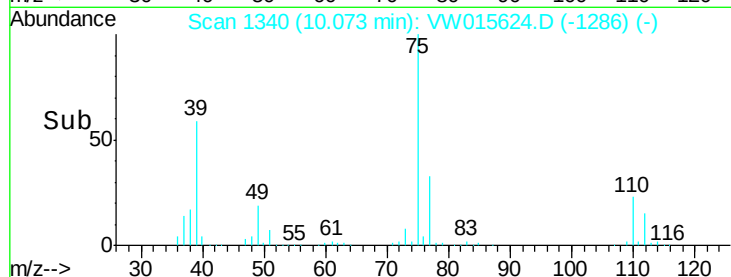
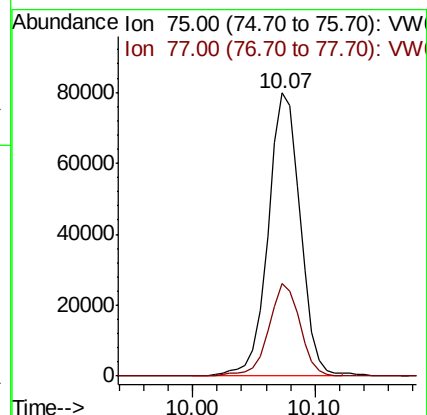
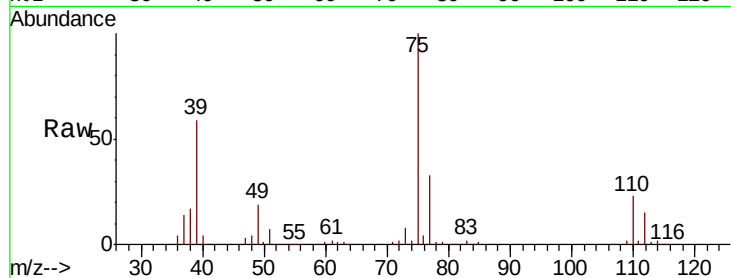
VSTD02511

Tot Ion: 75 Resp: 145670

Ion Ratio Lower Upper

75 100

77 32.8 22.3 41.5



#43

4-Methyl-2-pentanone

Concen: 46.625 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW015624.D

Acq: 17 Jun 2020 18:08

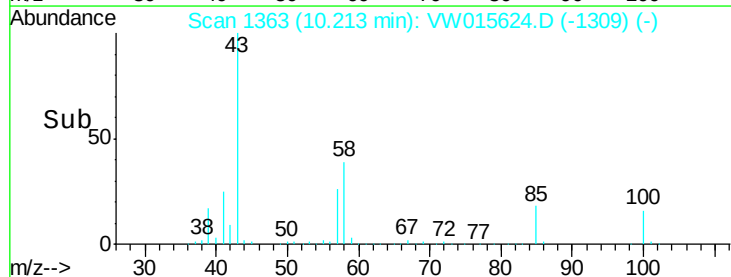
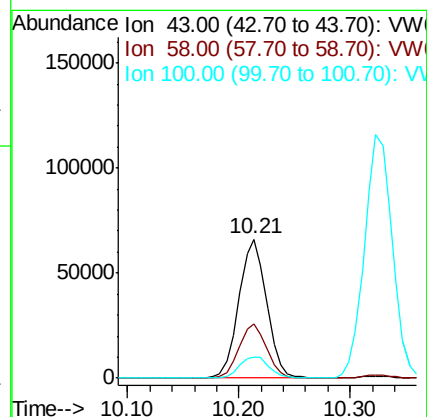
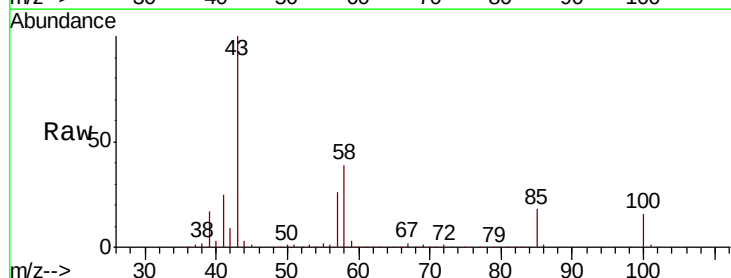
Tgt Ion: 43 Resp: 114380

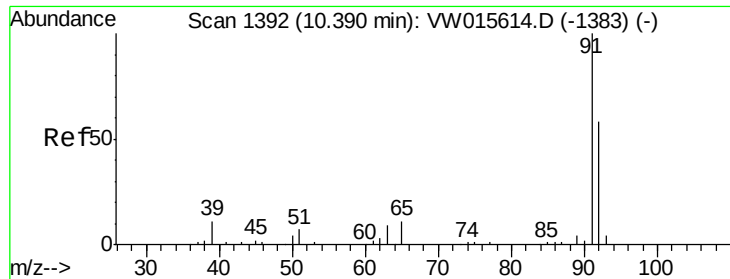
Ion Ratio Lower Upper

43 100

58 38.7 30.6 46.0

100 16.2 12.5 18.7





#44

Toluene

Concen: 23.182 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015624.D

Acq: 17 Jun 2020 18:08

Instrument :

MSVOA_W

ClientSampleId :

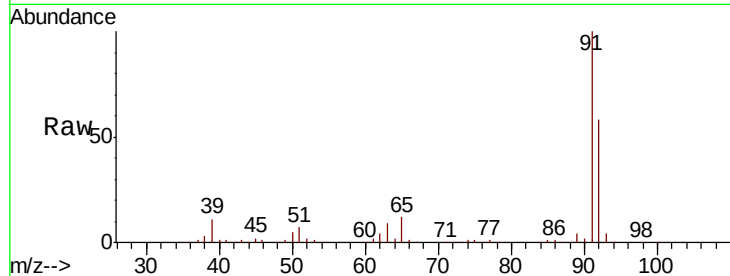
VSTD02511

Tot Ion: 91 Resp: 429218

Ion Ratio Lower Upper

91 100

92 57.6 41.7 77.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

250000

200000

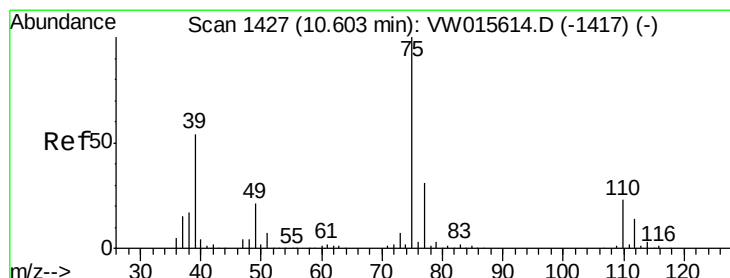
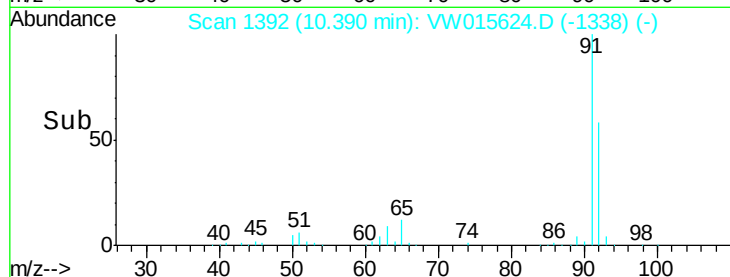
150000

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 22.179 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW015624.D

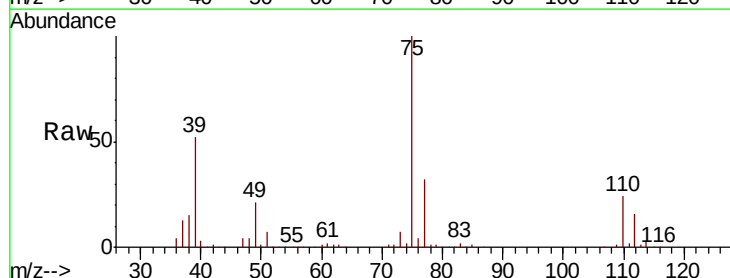
Acq: 17 Jun 2020 18:08

Tgt Ion: 75 Resp: 129260

Ion Ratio Lower Upper

75 100

77 31.8 21.5 39.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.61

80000

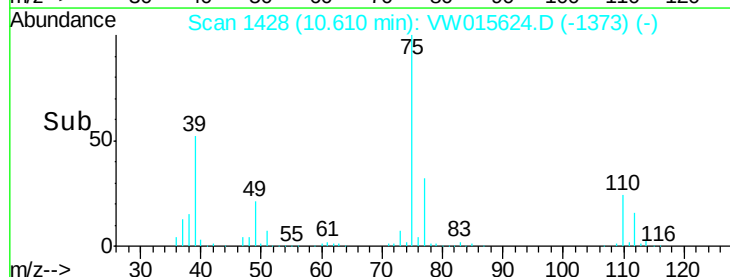
60000

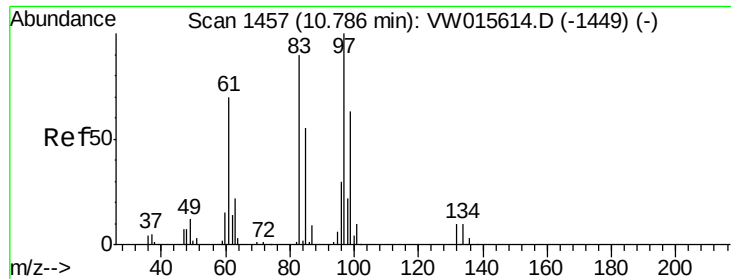
40000

20000

0

Time-->





#46

1,1,2-Trichloroethane

Concen: 23.944 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015624.D

Acq: 17 Jun 2020 18:08

Instrument :

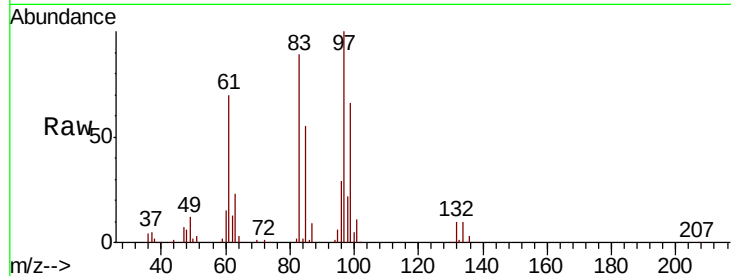
MSVOA_W

ClientSampleId :

VSTD02511

Tot Ion: 97 Resp: 70106

Ion	Ratio	Lower	Upper
97	100		
83	88.8	58.2	108.2
85	55.4	37.4	69.4
99	65.7	43.7	81.1



Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW

Time-->

10.79

40000

30000

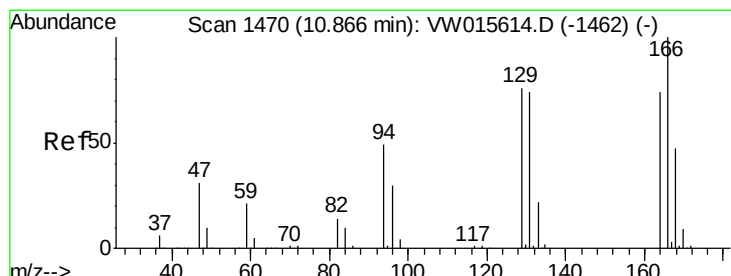
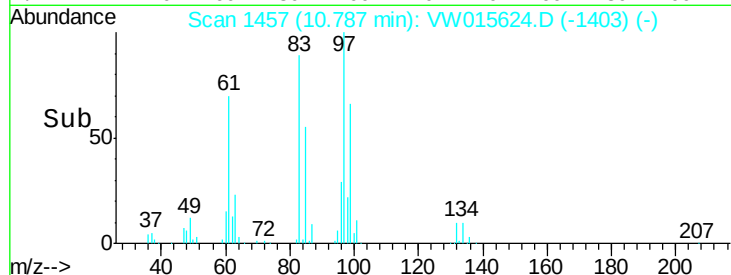
20000

10000

0

10.70 10.75 10.80 10.85

Time-->



#47

Tetrachloroethene

Concen: 23.634 ug/L

RT: 10.87 min Scan# 1470

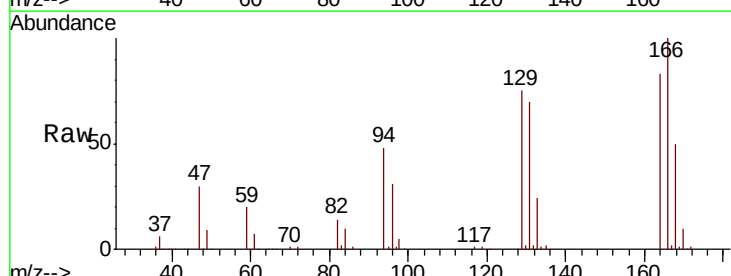
Delta R.T. 0.00 min

Lab File: VW015624.D

Acq: 17 Jun 2020 18:08

Tgt Ion: 164 Resp: 85523

Ion	Ratio	Lower	Upper
164	100		
129	90.6	66.3	123.1
131	84.2	65.1	120.9
166	120.7	90.8	168.6



Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

Time-->

10.87

80000

60000

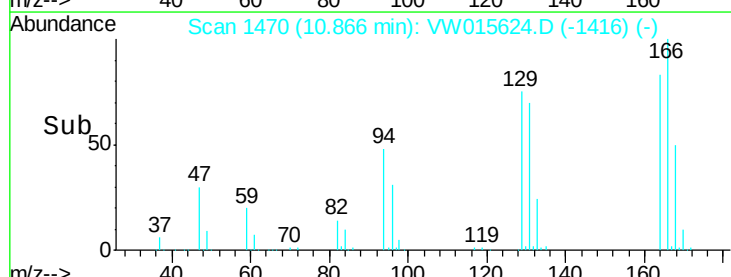
40000

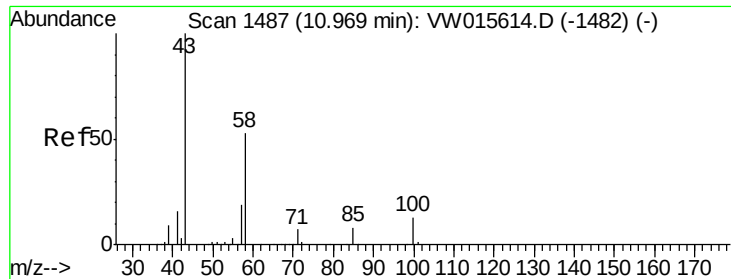
20000

0

10.80 10.85 10.90

Time-->





#49

2-Hexanone

Concen: 47.121 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW015624.D

Acq: 17 Jun 2020 18:08

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

Tot Ion: 43 Resp: 78027

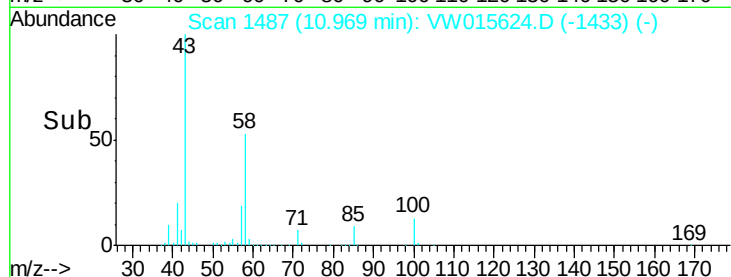
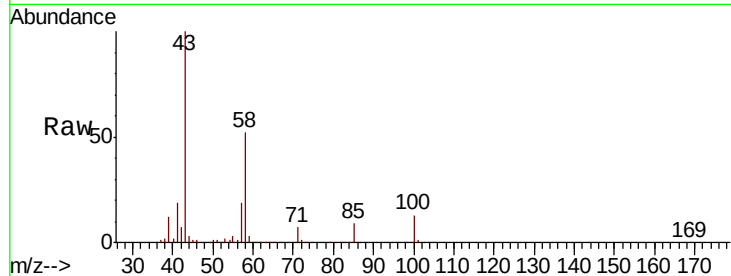
Ion Ratio Lower Upper

43 100

58 54.7 42.6 64.0

57 19.8 15.5 23.3

100 13.6 10.3 15.5

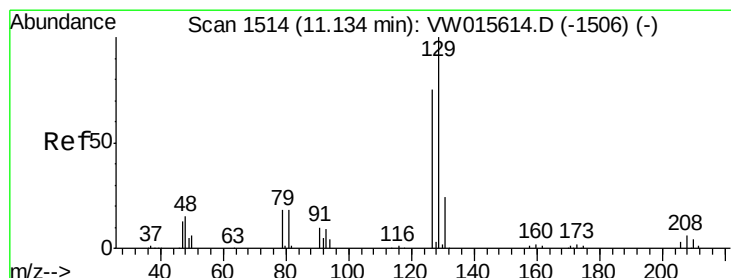
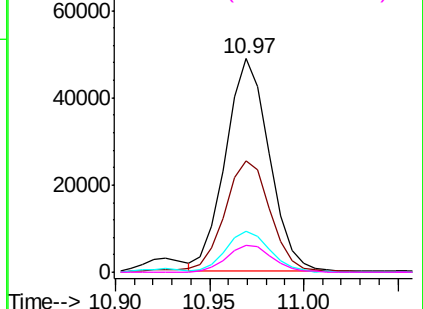


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 23.442 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VW015624.D

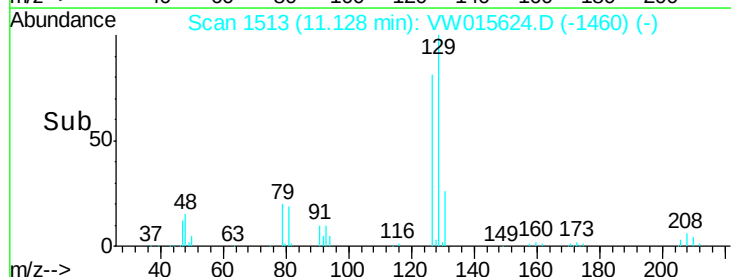
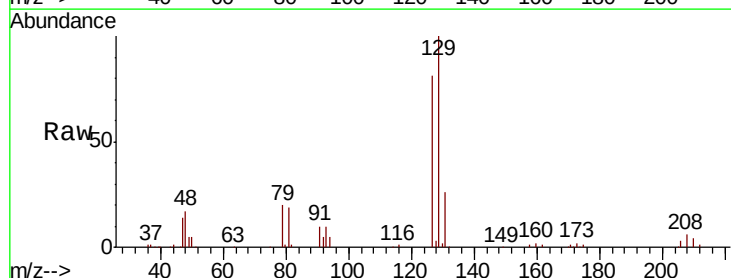
Acq: 17 Jun 2020 18:08

Tgt Ion: 129 Resp: 83388

Ion Ratio Lower Upper

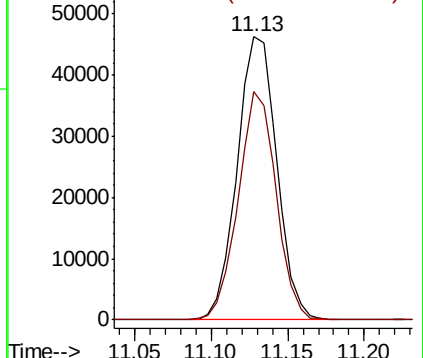
129 100

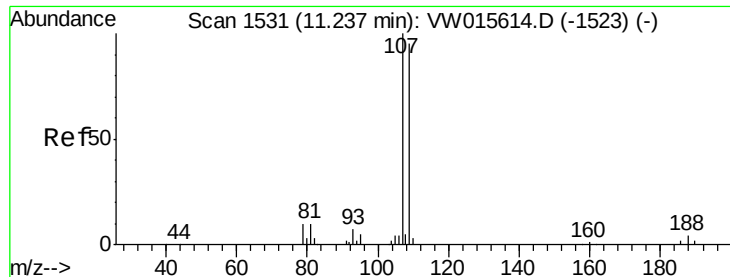
127 80.5 53.0 98.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

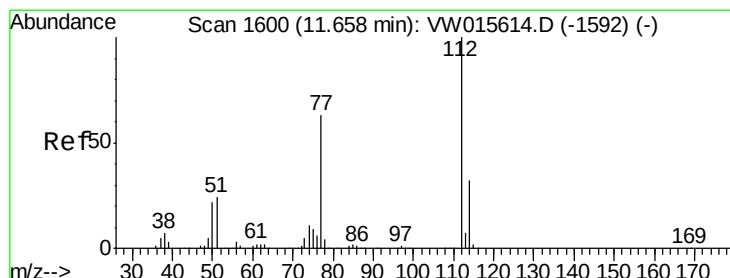
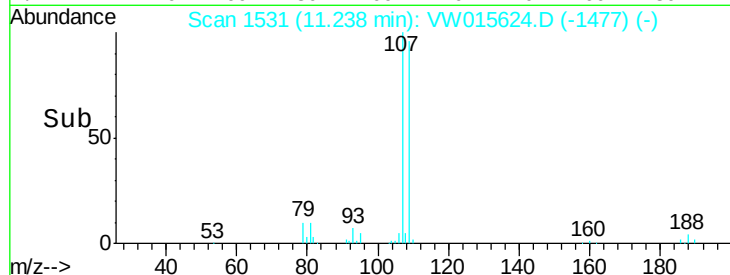
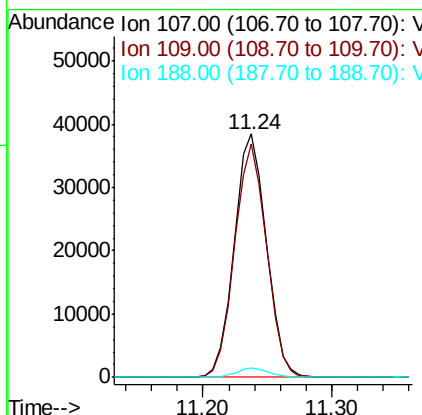
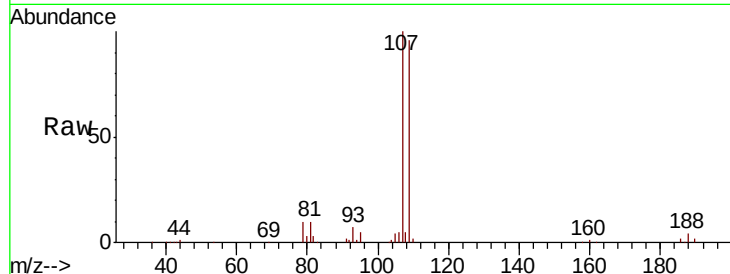




#51
1,2-Dibromoethane
Concen: 23.733 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW015624.D
Acq: 17 Jun 2020 18:08

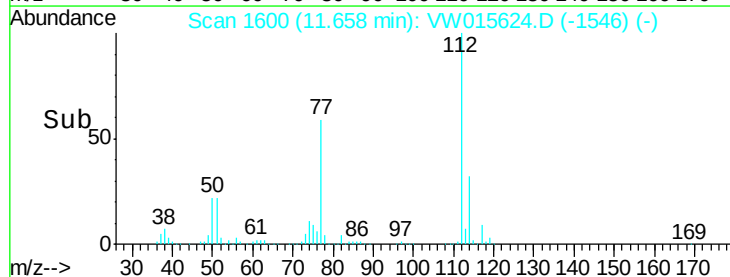
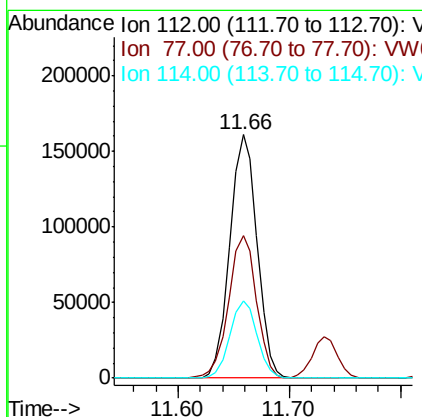
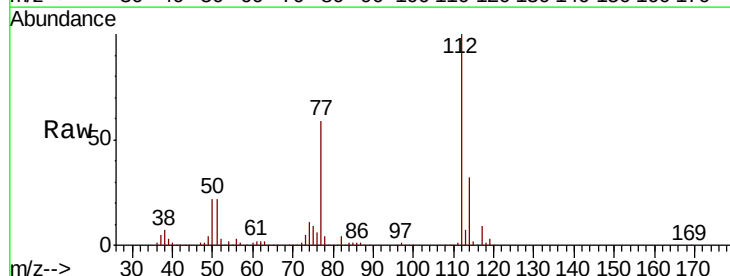
Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

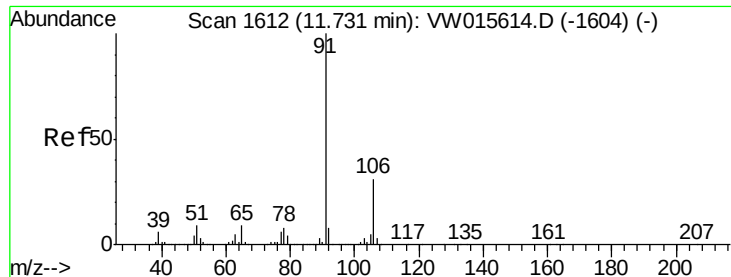
Tot Ion:107 Resp: 66709
Ion Ratio Lower Upper
107 100
109 96.0 64.6 120.0
188 3.6 2.8 4.2



#52
Chlorobenzene
Concen: 23.485 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015624.D
Acq: 17 Jun 2020 18:08

Tgt Ion:112 Resp: 272747
Ion Ratio Lower Upper
112 100
77 58.5 49.7 74.5
114 31.7 21.8 40.6

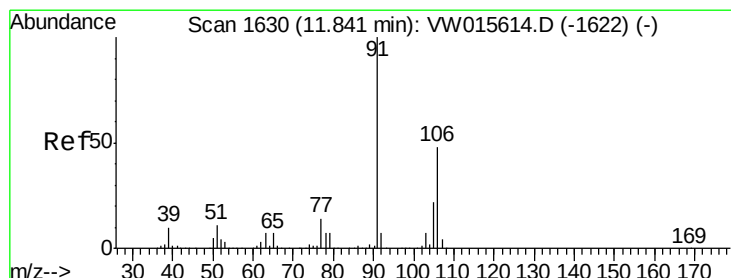
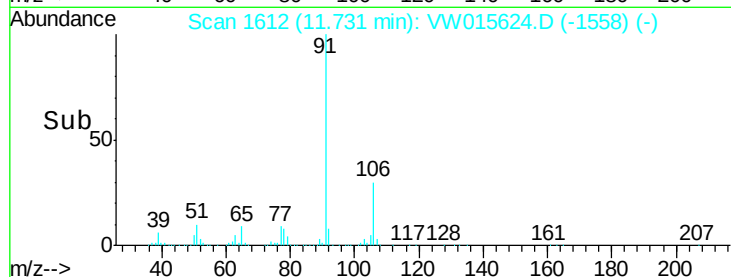
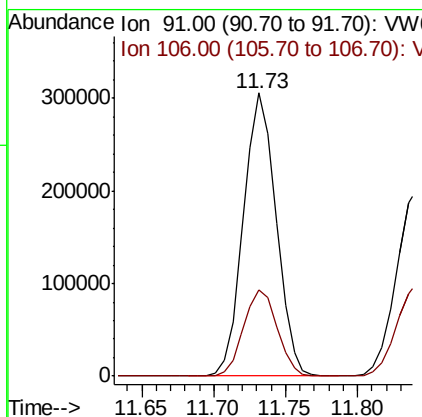
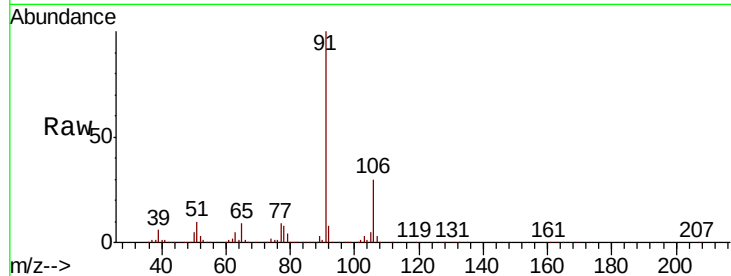




#53
Ethylbenzene
Concen: 22.687 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015624.D
Acq: 17 Jun 2020 18:08

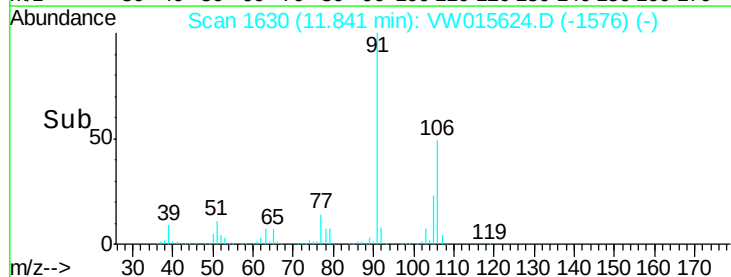
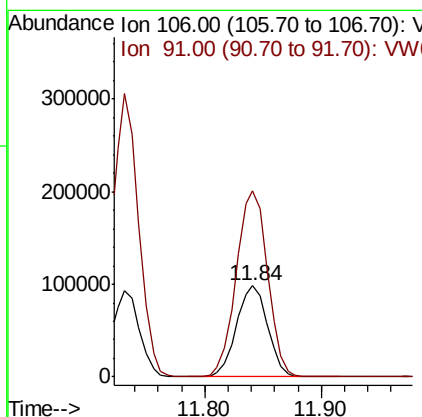
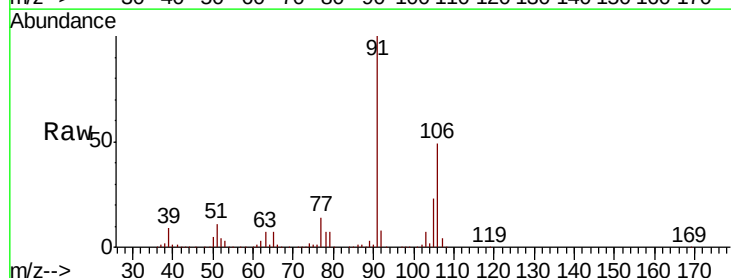
Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

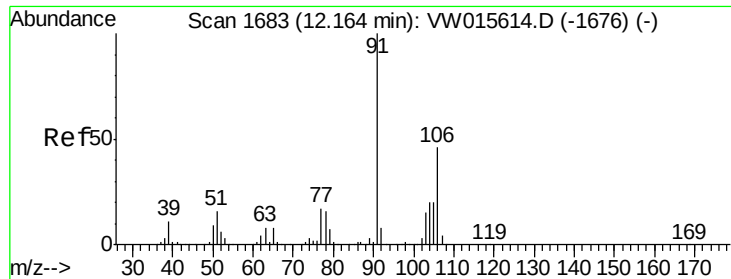
Tot Ion: 91 Resp: 482325
Ion Ratio Lower Upper
91 100
106 30.4 21.3 39.6



#54
m,p-Xylene
Concen: 23.012 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015624.D
Acq: 17 Jun 2020 18:08

Tgt Ion: 106 Resp: 183585
Ion Ratio Lower Upper
106 100
91 203.2 142.6 264.8

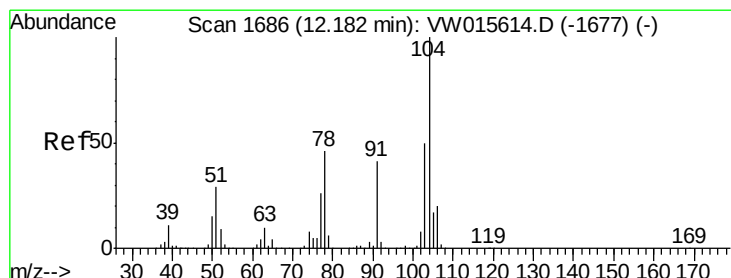
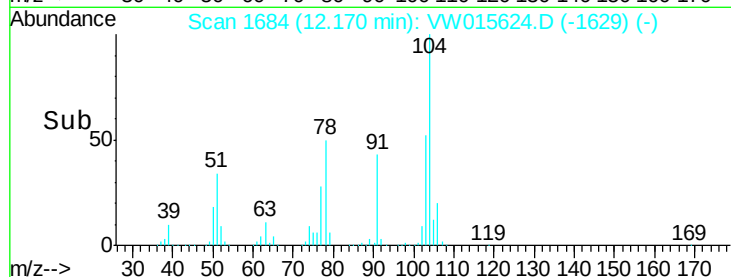
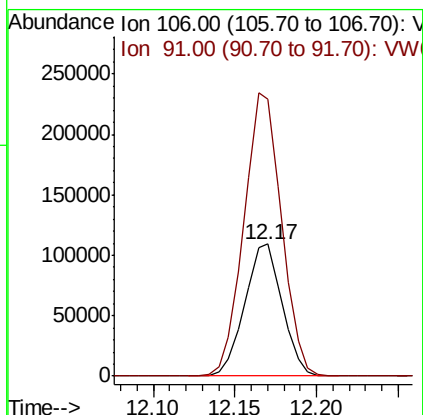
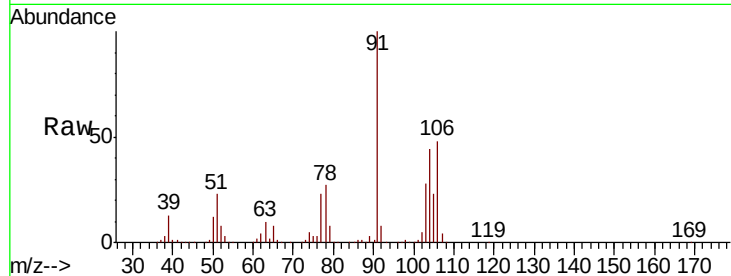




#55
o-xylene
Concen: 23.123 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW015624.D
Acq: 17 Jun 2020 18:08

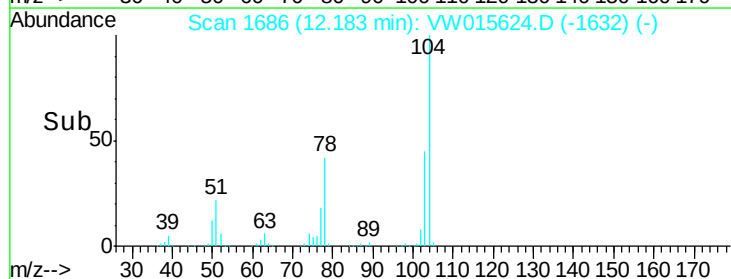
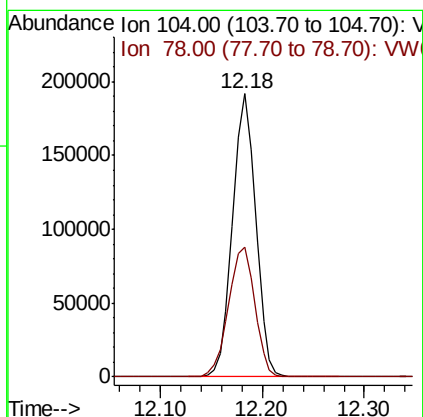
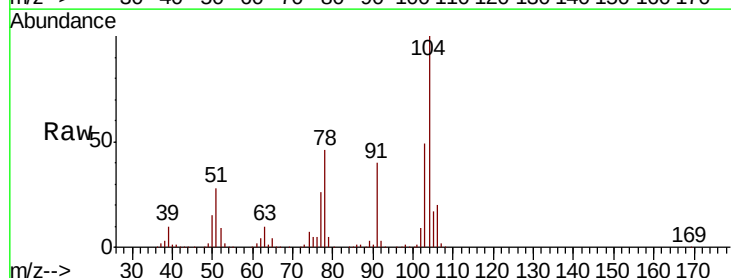
Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

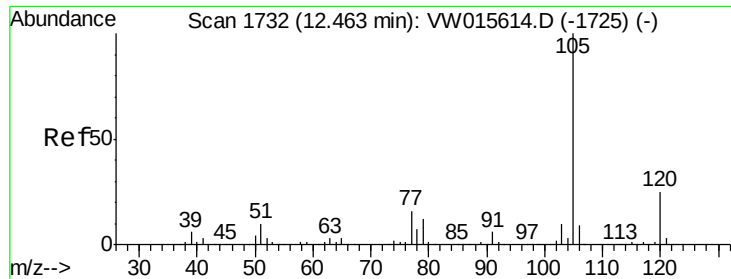
Tot Ion:106 Resp: 175103
Ion Ratio Lower Upper
106 100
91 210.5 149.0 276.6



#56
Styrene
Concen: 23.337 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015624.D
Acq: 17 Jun 2020 18:08

Tgt Ion:104 Resp: 301958
Ion Ratio Lower Upper
104 100
78 45.8 32.9 61.1





#57

Isopropylbenzene

Concen: 23.116 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015624.D

Acq: 17 Jun 2020 18:08

Instrument :

MSVOA_W

ClientSampled :

VSTD02511

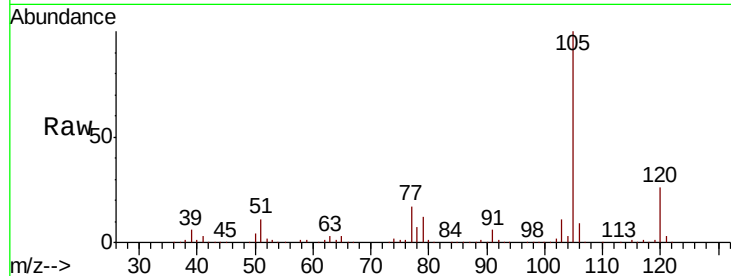
Tot Ion:105 Resp: 487612

Ion Ratio Lower Upper

105 100

120 26.1 21.0 31.4

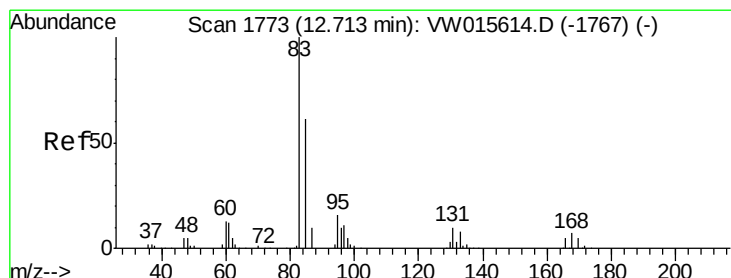
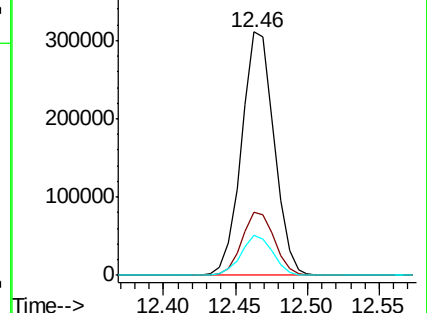
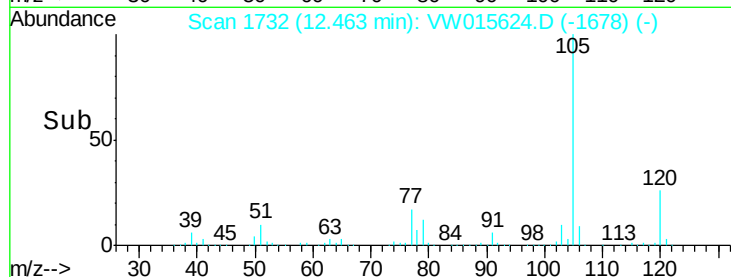
77 16.2 13.0 19.6



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: 24.706 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015624.D

Acq: 17 Jun 2020 18:08

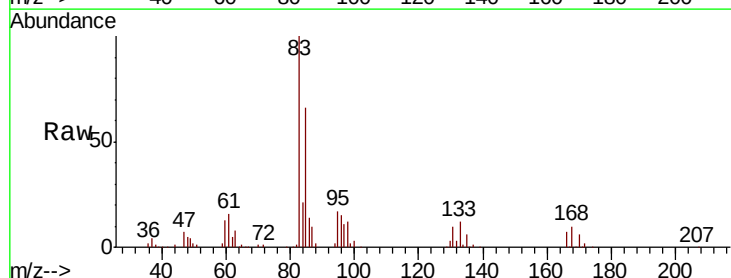
Tgt Ion: 83 Resp: 83745

Ion Ratio Lower Upper

83 100

85 65.9 44.7 82.9

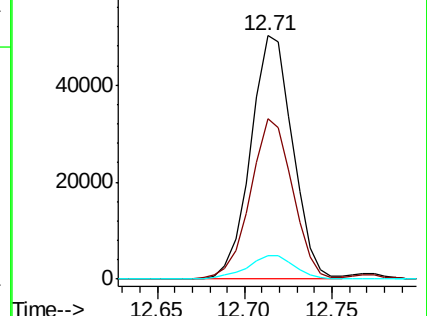
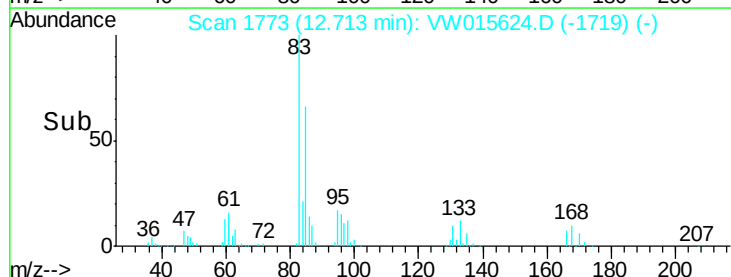
131 9.6 9.1 13.7

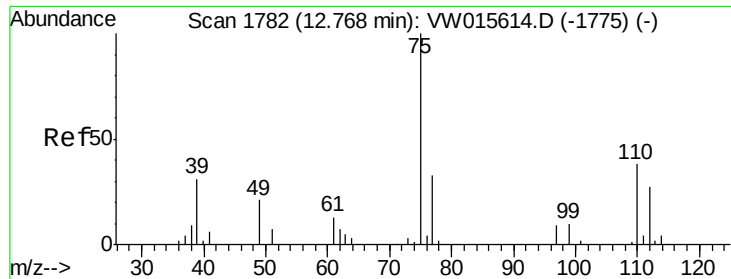


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.244 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015624.D

Acq: 17 Jun 2020 18:08

Instrument :

MSVOA_W

ClientSampleId :

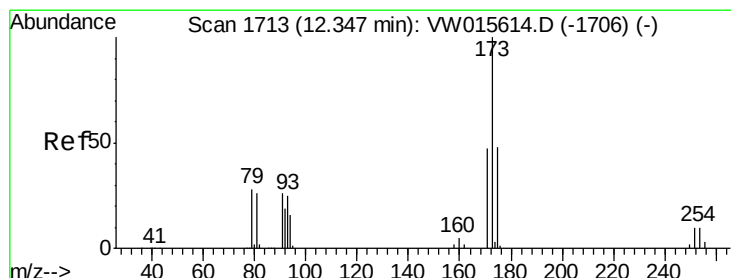
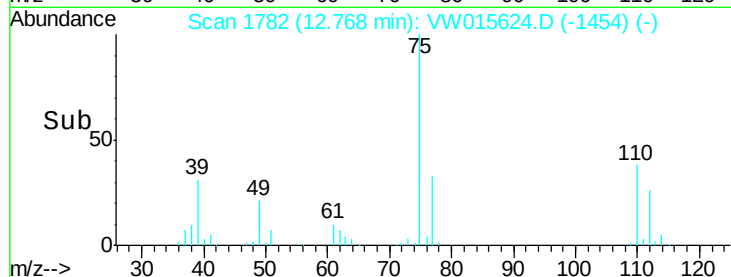
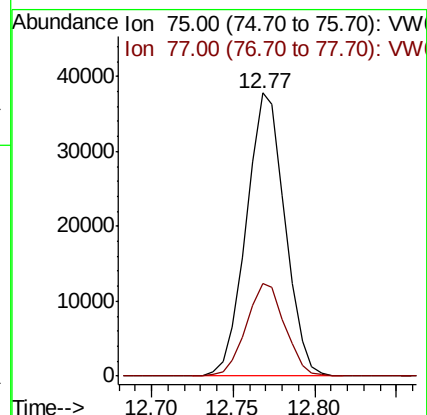
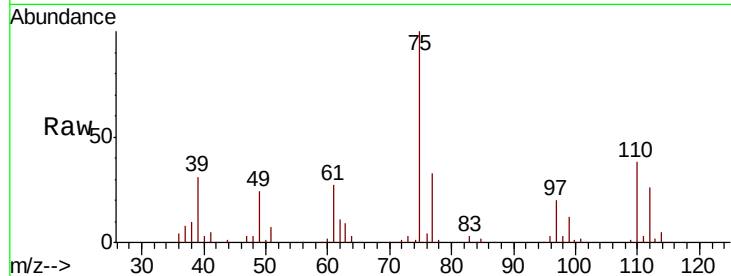
VSTD02511

Tot Ion: 75 Resp: 62312

Ion Ratio Lower Upper

75 100

77 32.8 25.9 38.9



#62

Bromoform

Concen: 21.211 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW015624.D

Acq: 17 Jun 2020 18:08

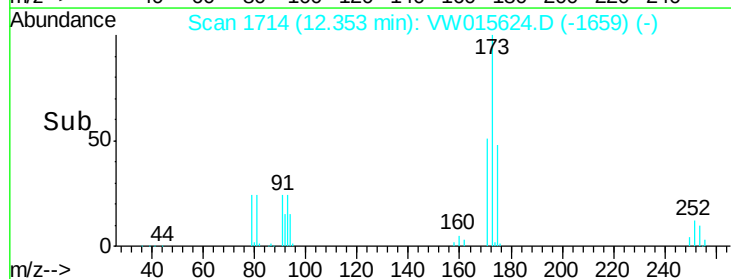
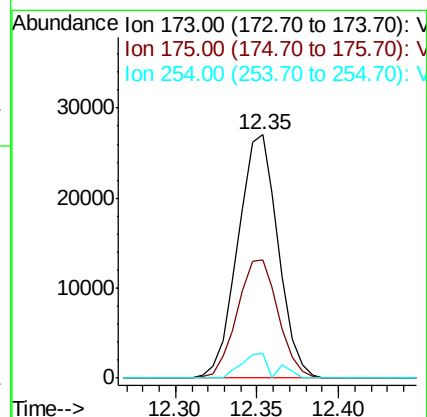
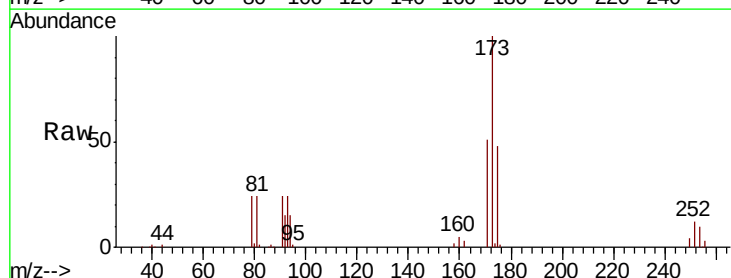
Tgt Ion: 173 Resp: 46362

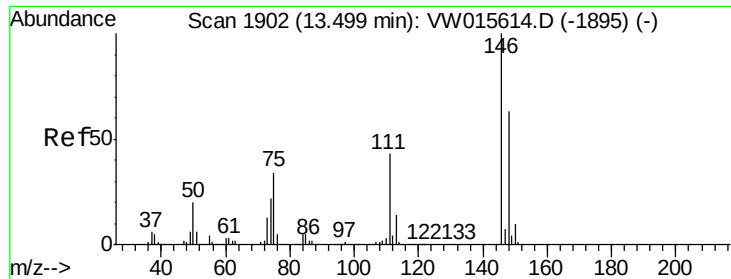
Ion Ratio Lower Upper

173 100

175 49.8 37.9 56.9

254 6.2 6.8 10.2#

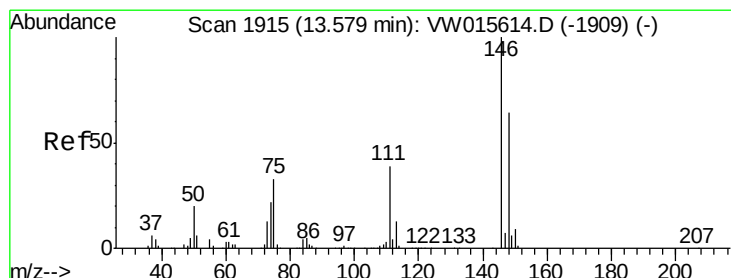
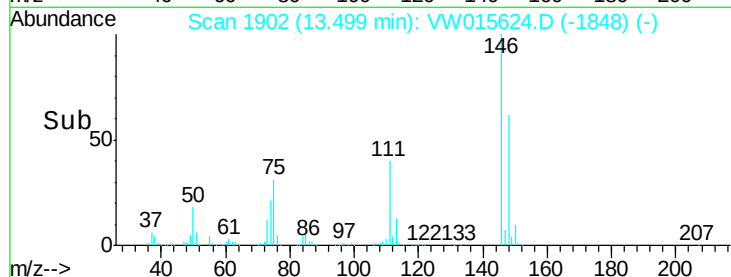
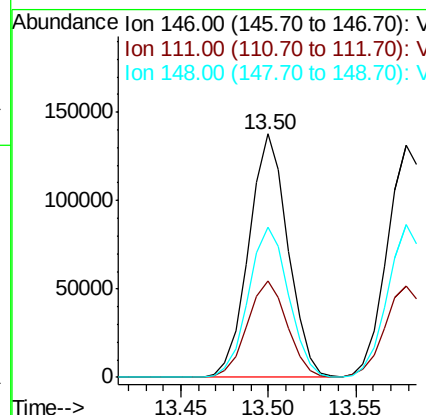
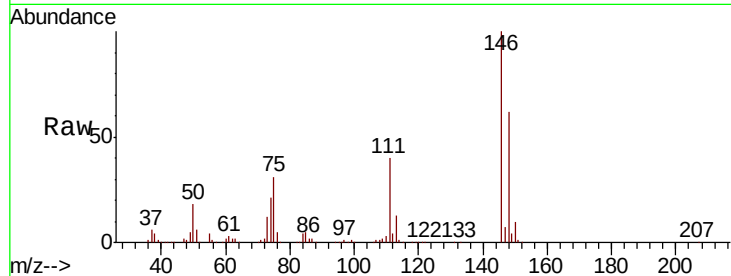




#63
 1,3-Dichlorobenzene
 Concen: 22.282 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015624.D
 Acq: 17 Jun 2020 18:08

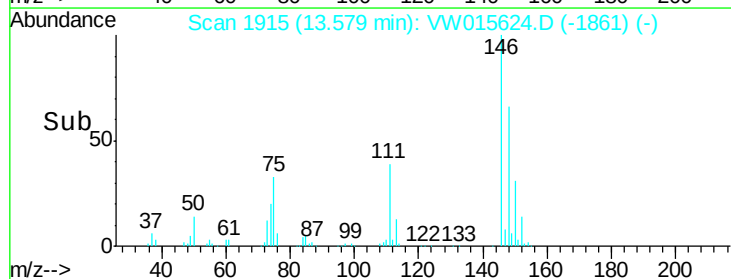
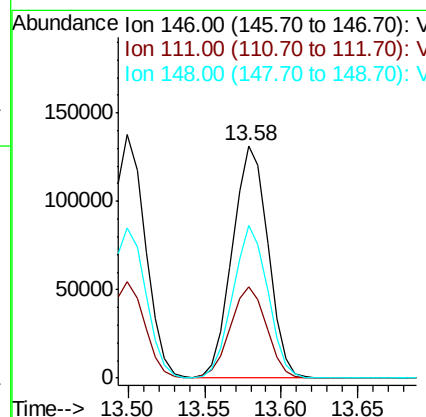
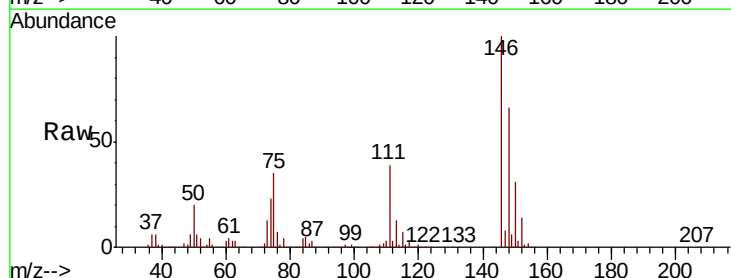
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

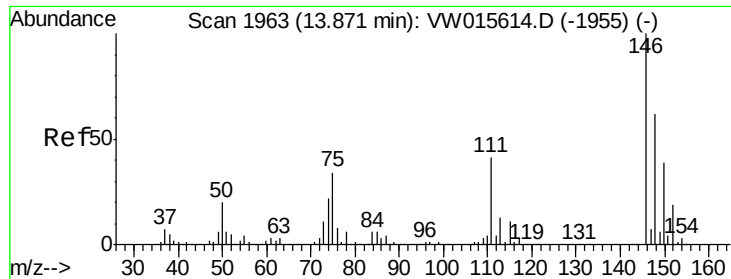
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	29.3	54.5
148	61.7	42.5	78.9



#64
 1,4-Dichlorobenzene
 Concen: 22.588 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015624.D
 Acq: 17 Jun 2020 18:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	28.1	52.1
148	65.7	43.3	80.3





#65

1,2-Dichlorobenzene

Concen: 23.004 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW015624.D

Acq: 17 Jun 2020 18:08

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

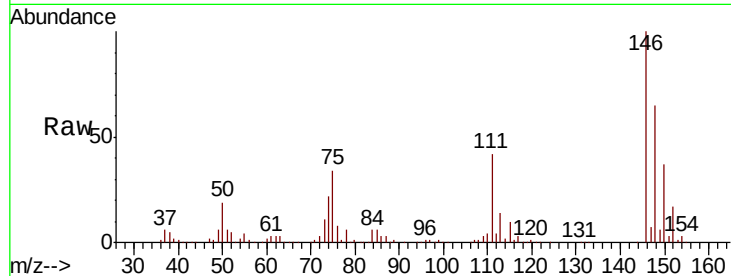
Tot Ion:146 Resp: 191890

Ion Ratio Lower Upper

146 100

111 41.6 34.9 52.3

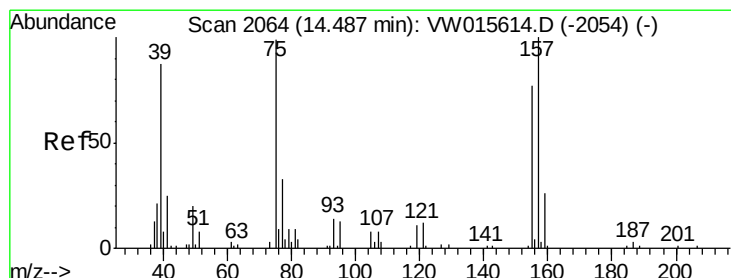
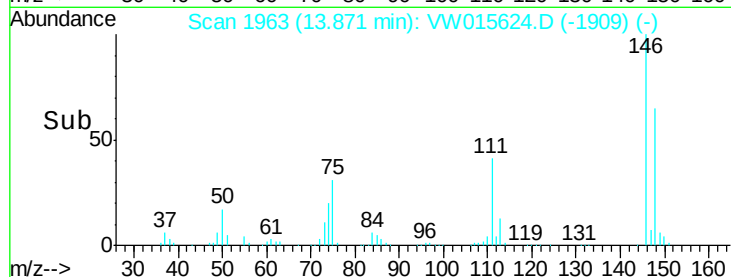
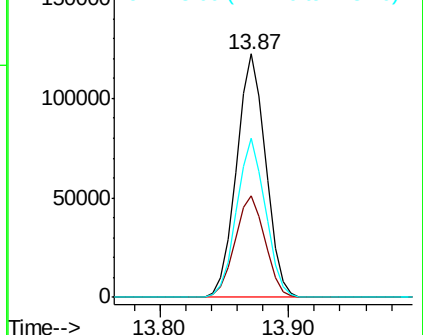
148 65.4 51.8 77.8



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: 21.458 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW015624.D

Acq: 17 Jun 2020 18:08

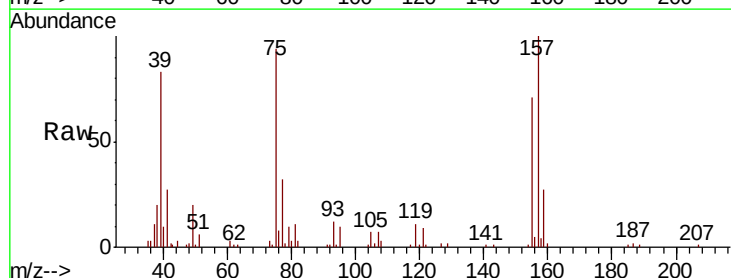
Tgt Ion: 75 Resp: 13579

Ion Ratio Lower Upper

75 100

157 106.3 87.4 131.0

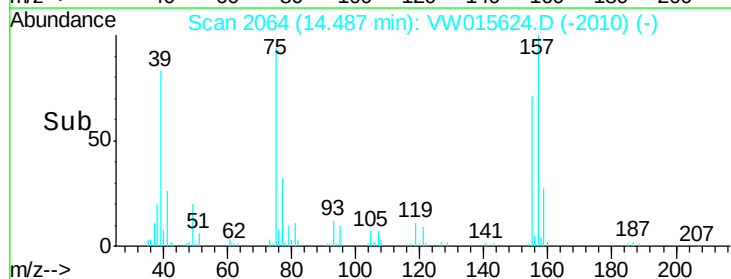
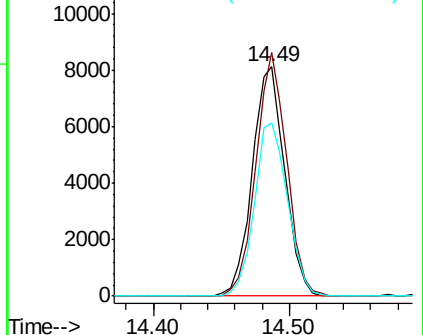
155 75.9 64.6 96.8

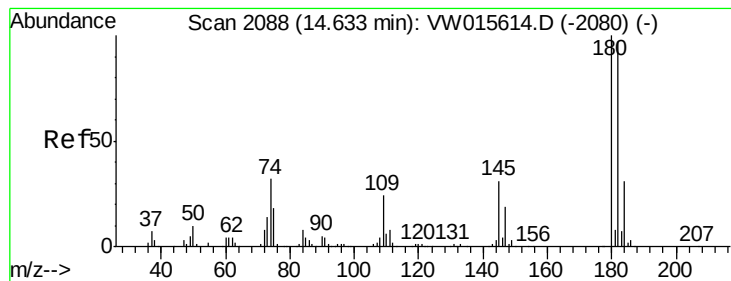


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V





#67

1,3,5-Trichlorobenzene

Concen: 22.357 ug/L

RT: 14.63 min Scan# 2087

Delta R.T. -0.01 min

Lab File: VW015624.D

Acq: 17 Jun 2020 18:08

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

Tot Ion:180 Resp: 148583

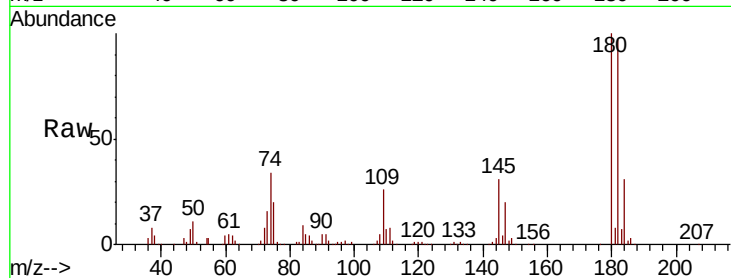
Ion Ratio Lower Upper

180 100

182 97.3 76.6 114.8

184 31.1 24.4 36.6

145 31.0 24.0 36.0

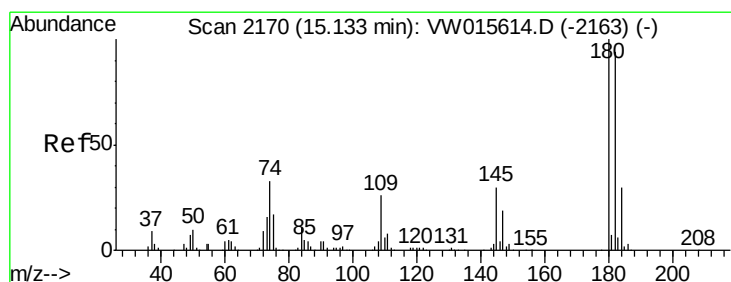
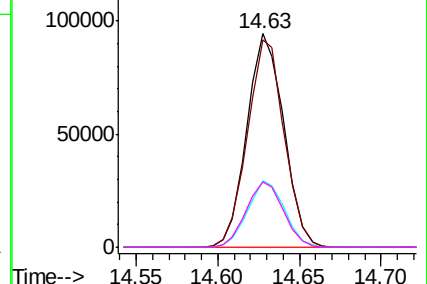
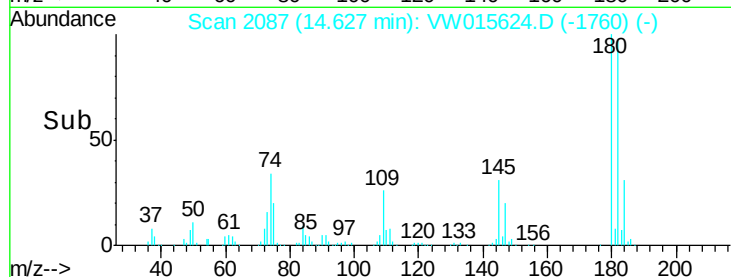


Abundance Ion 180.00 (179.70 to 180.70): V

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: 22.824 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VW015624.D

Acq: 17 Jun 2020 18:08

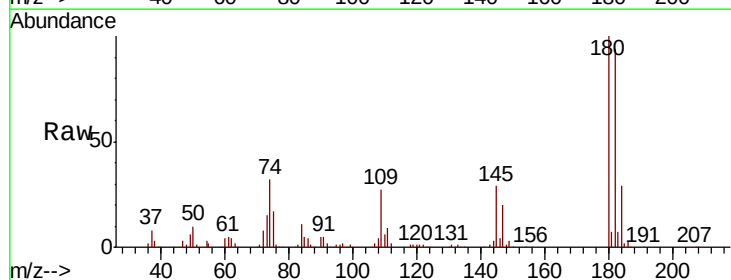
Tgt Ion:180 Resp: 122168

Ion Ratio Lower Upper

180 100

182 96.0 76.1 114.1

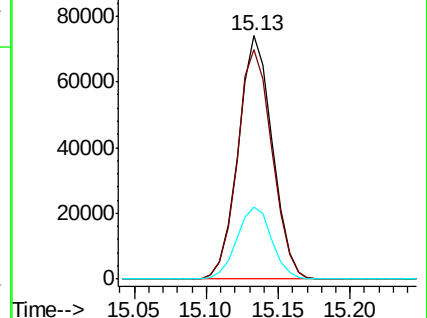
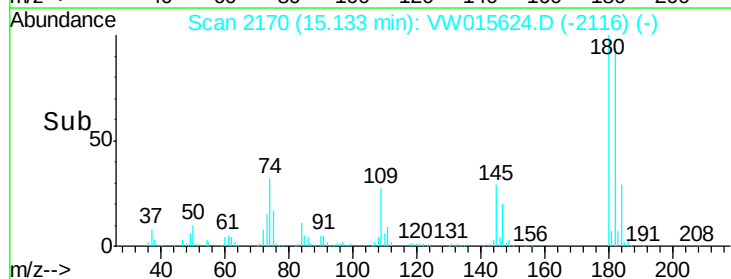
145 30.3 25.2 37.8

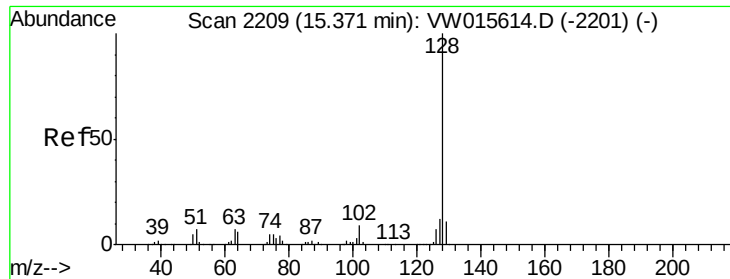


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 22.908 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW015624.D

Acq: 17 Jun 2020 18:08

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

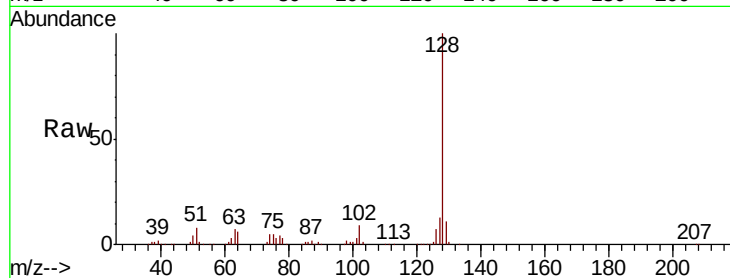
Tot Ion:128 Resp: 222642

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

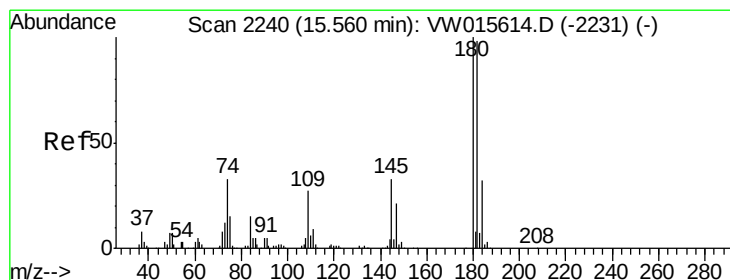
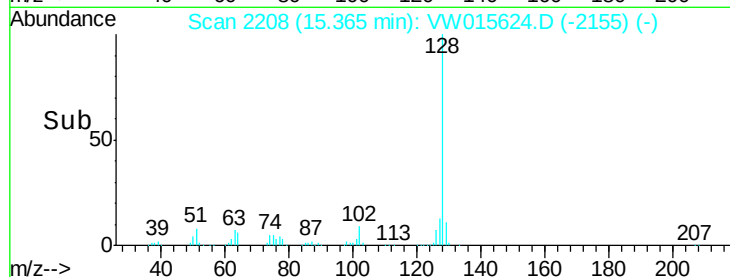
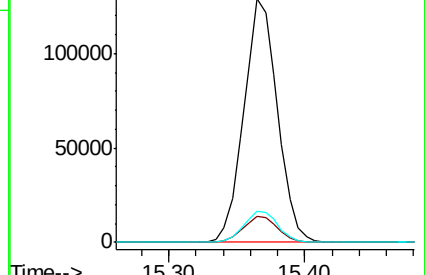
127 13.1 10.6 15.8



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: 23.680 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW015624.D

Acq: 17 Jun 2020 18:08

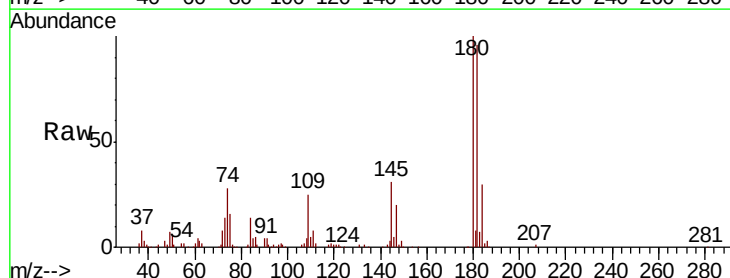
Tgt Ion:180 Resp: 107834

Ion Ratio Lower Upper

180 100

182 94.4 75.4 113.2

145 32.9 26.7 40.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

