

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061120\
 Data File : VW015579.D
 Acq On : 11 Jun 2020 10:25
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

Quant Time: Jun 12 04:59:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 10 14:43:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	362621	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	331716	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	162535	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	72263	21.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.00%
7) Chloroethane-d5	2.90	69	80825	24.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.84%
10) 1,1-Dichloroethene-d2	4.02	63	182703	22.56	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.24%
20) 2-Butanone-d5	7.08	46	54172	49.93	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.86%
24) Chloroform-d	7.65	84	198256	23.64	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.56%
26) 1,2-Dichloroethane-d4	8.31	65	110880	23.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.08%
29) Benzene-d6	8.27	84	376882	23.17	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.68%
33) 1,2-Dichloropropane-d6	9.27	67	114550	23.17	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.68%
37) Toluene-d8	10.32	98	357133	22.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.32%
38) trans-1,3-Dichloropropene-	10.58	79	49304	21.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.24%
39) 2-Hexanone-d5	10.93	63	44800	52.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.68%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	93476	25.11	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.44%
61) 1,2-Dichlorobenzene-d4	13.85	152	126482	23.22	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.88%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	79665	24.868	ug/L	94
3) Chloromethane	2.21	50	76353	21.651	ug/L	99
5) Vinyl chloride	2.37	62	126455	23.844	ug/L	97
6) Bromomethane	2.79	94	79654	23.108	ug/L	100
8) Chloroethane	2.93	64	77925	24.138	ug/L	100
9) Trichlorofluoromethane	3.26	101	94950	25.158	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	106734	23.845	ug/L	99
12) 1,1-Dichloroethene	4.04	96	99991	23.125	ug/L	94
13) Acetone	4.13	43	51928	61.913	ug/L	100
14) Carbon disulfide	4.38	76	307866	21.343	ug/L	100
15) Methyl Acetate	4.67	43	43285	23.854	ug/L	98
16) Methylene chloride	4.92	84	105097	23.615	ug/L	98
17) Methyl tert-butyl Ether	5.43	73	158923	23.161	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	108409	23.395	ug/L	99
19) 1,1-Dichloroethane	6.21	63	198126	23.771	ug/L	99
21) 2-Butanone	7.18	43	67002	52.002	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	114133	23.611	ug/L	99

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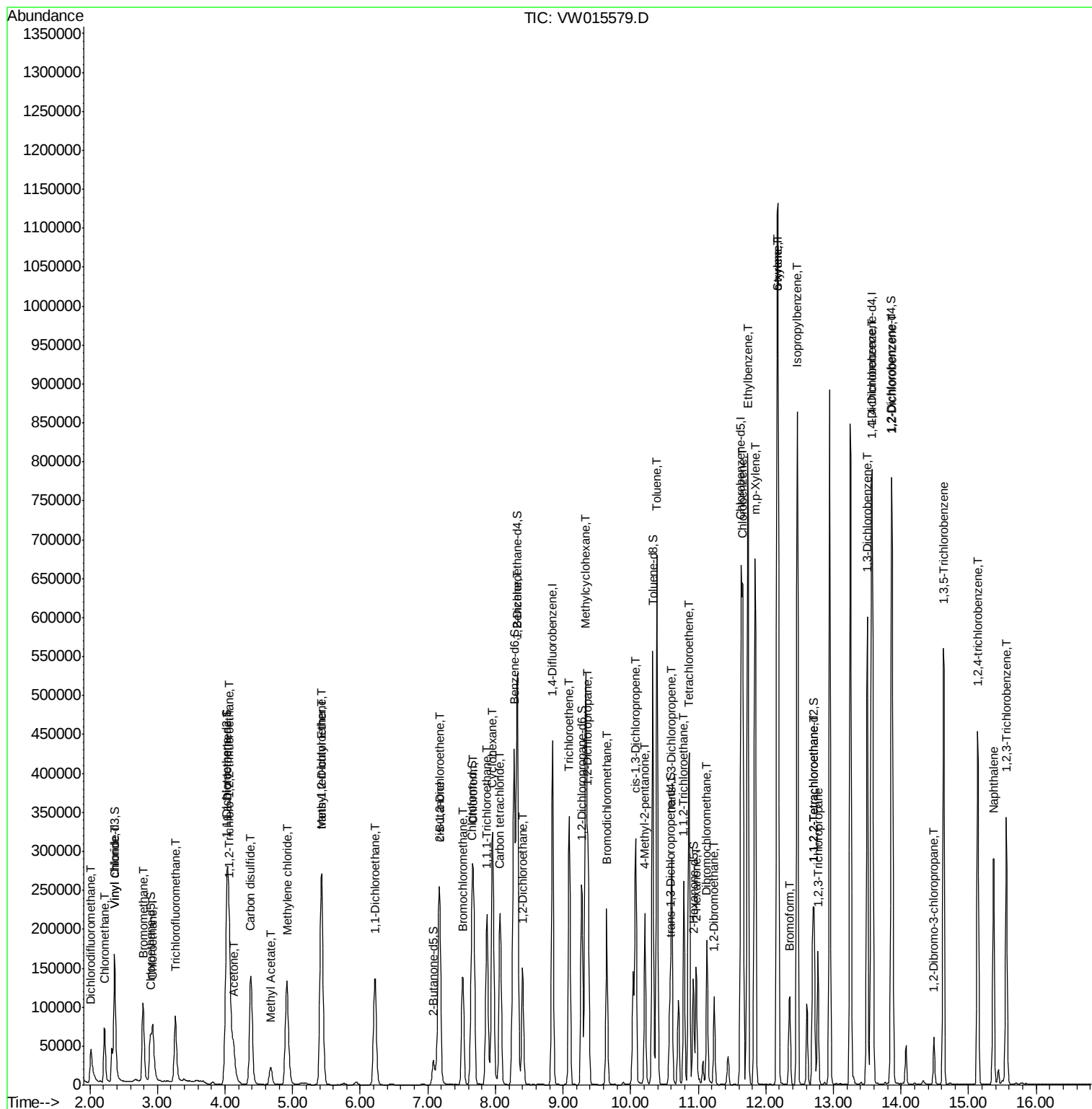
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	48457	23.246	ug/L	94
25) Chloroform	7.68	83	201389	23.997	ug/L	99
27) 1,2-Dichloroethane	8.40	62	136510	24.044	ug/L	100
30) Cyclohexane	7.96	56	184335	22.481	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	177077	23.862	ug/L	100
32) Carbon tetrachloride	8.07	117	162373	23.856	ug/L	100
34) Benzene	8.32	78	446187	24.052	ug/L	100
35) Trichloroethene	9.09	95	118017	23.684	ug/L	99
36) Methylcyclohexane	9.34	83	205992	23.179	ug/L	100
40) 1,2-Dichloropropane	9.37	63	109111	23.885	ug/L	100
41) Bromodichloromethane	9.65	83	143138	23.454	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	173267	23.702	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	140005	52.283	ug/L	100
44) Toluene	10.39	91	483893	23.942	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	153714	24.162	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	79095	24.748	ug/L	99
47) Tetrachloroethene	10.87	164	93178	23.590	ug/L	93
49) 2-Hexanone	10.97	43	93291	51.613	ug/L	98
50) Dibromochloromethane	11.13	129	95179	24.512	ug/L	97
51) 1,2-Dibromoethane	11.24	107	75050	24.460	ug/L	98
52) Chlorobenzene	11.66	112	304514	24.021	ug/L	98
53) Ethylbenzene	11.73	91	558675	24.074	ug/L	100
54) m,p-Xylene	11.84	106	209286	24.033	ug/L	96
55) o-xylene	12.17	106	199171	24.095	ug/L	95
56) Styrene	12.18	104	337426	23.890	ug/L	97
57) Isopropylbenzene	12.46	105	551150	23.936	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	91804	24.811	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	69645	24.824	ug/L	100
62) Bromoform	12.35	173	50957	22.501	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	236828	23.812	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	227842	23.380	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	211008	24.414	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	15450	23.564	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	169191	24.571	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	137500	24.793	ug/L	99
69) Naphthalene	15.37	128	251881	25.013	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	116466	24.685	ug/L	99

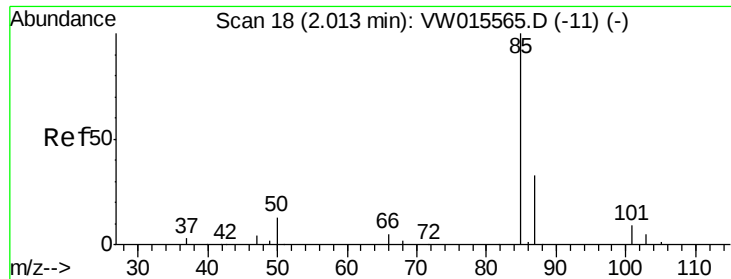
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#2

Dichlorodifluoromethane

Concen: 24.868 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015579.D

Acq: 11 Jun 2020 10:25

Instrument :

MSVOA_W

ClientSampled :

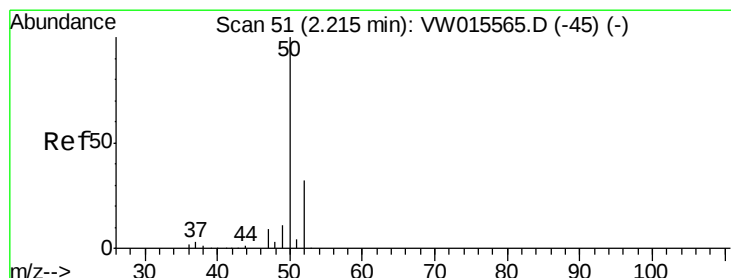
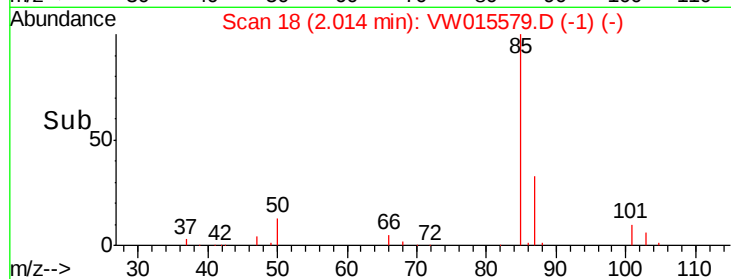
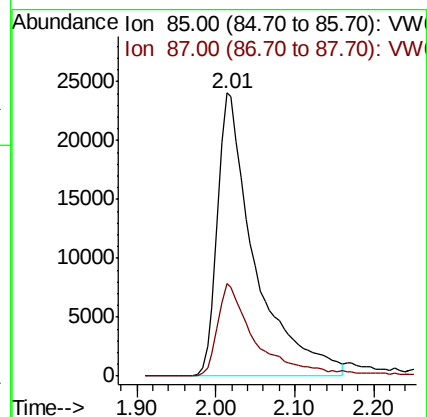
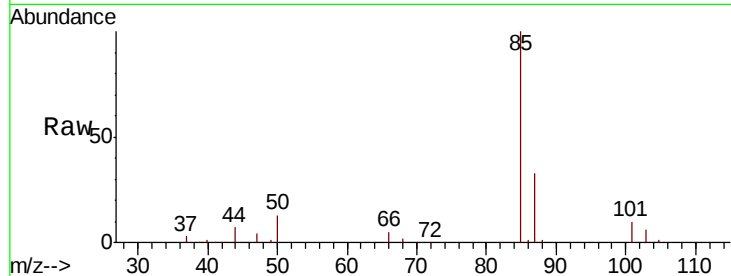
VSTD02527

Tot Ion: 85 Resp: 79665

Ion Ratio Lower Upper

85 100

87 33.2 21.1 39.1



#3

Chloromethane

Concen: 21.651 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015579.D

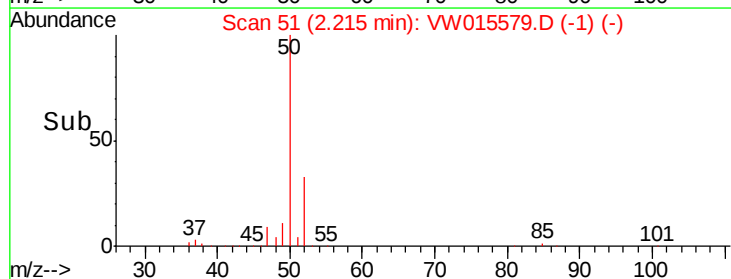
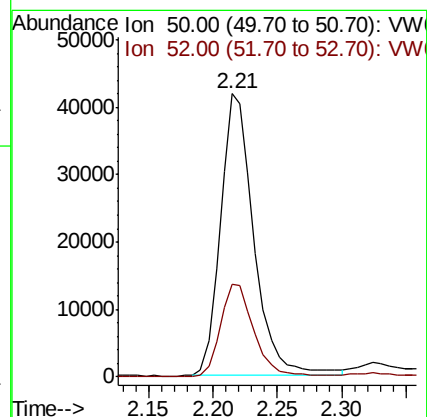
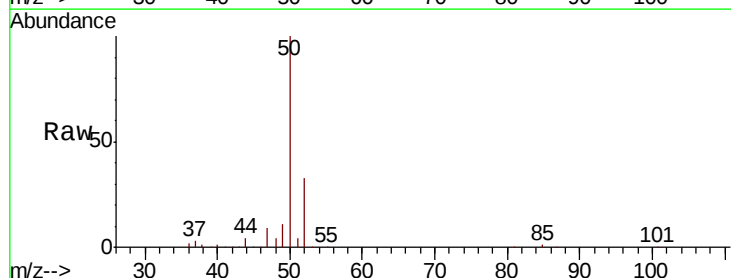
Acq: 11 Jun 2020 10:25

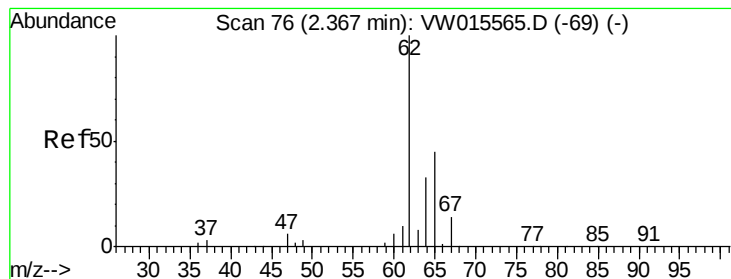
Tgt Ion: 50 Resp: 76353

Ion Ratio Lower Upper

50 100

52 32.7 23.3 43.3





#5

Vinyl chloride

Concen: 23.844 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015579.D

Acq: 11 Jun 2020 10:25

Instrument :

MSVOA_W

ClientSampleId :

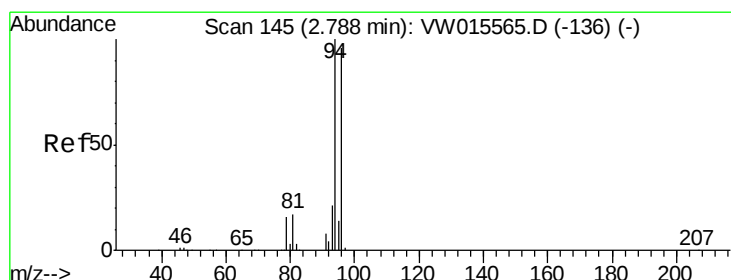
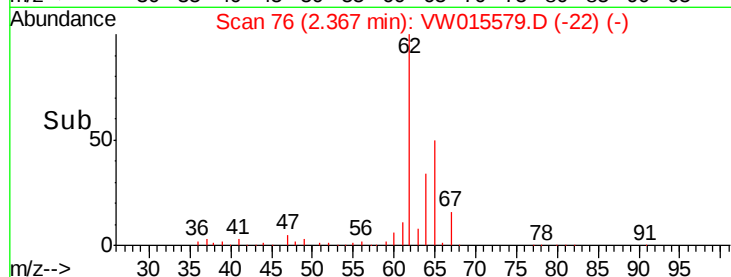
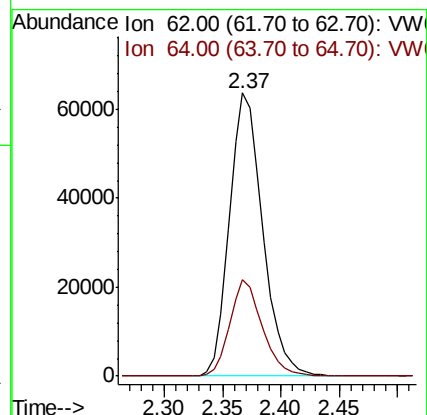
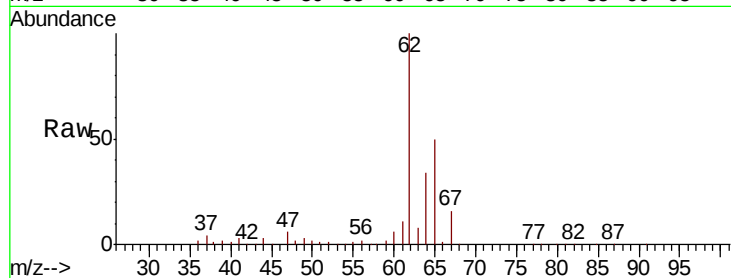
VSTD02527

Tot Ion: 62 Resp: 126455

Ion Ratio Lower Upper

62 100

64 34.1 22.6 42.0



#6

Bromomethane

Concen: 23.108 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW015579.D

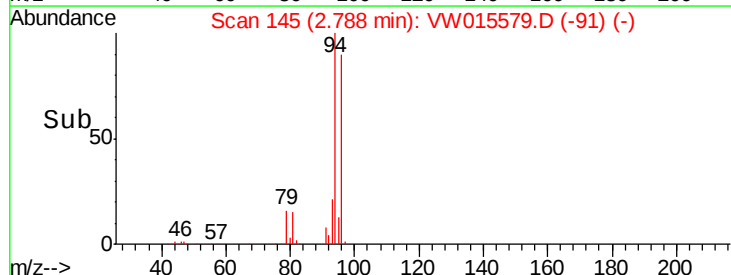
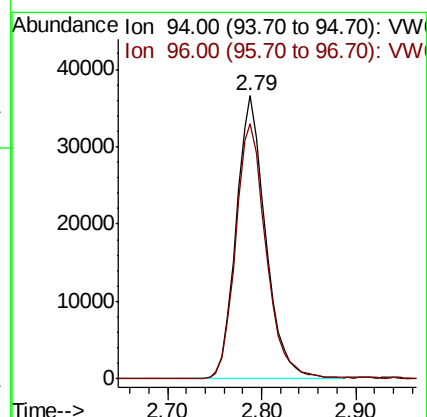
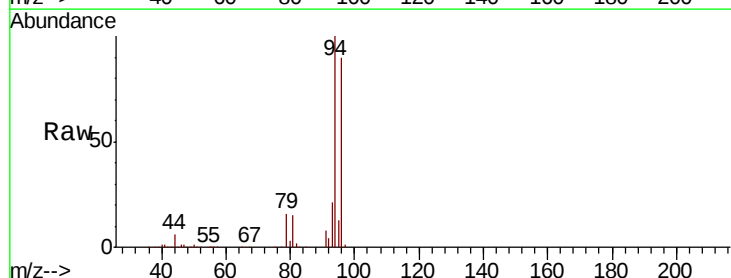
Acq: 11 Jun 2020 10:25

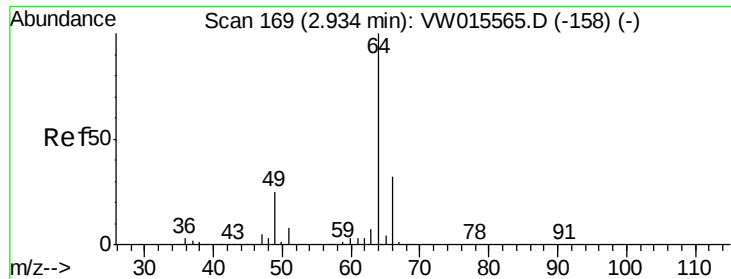
Tgt Ion: 94 Resp: 79654

Ion Ratio Lower Upper

94 100

96 93.0 9.3 177.5





#8

Chloroethane

Concen: 24.138 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.00 min

Lab File: VW015579.D

Acq: 11 Jun 2020 10:25

Instrument :

MSVOA_W

ClientSampleId :

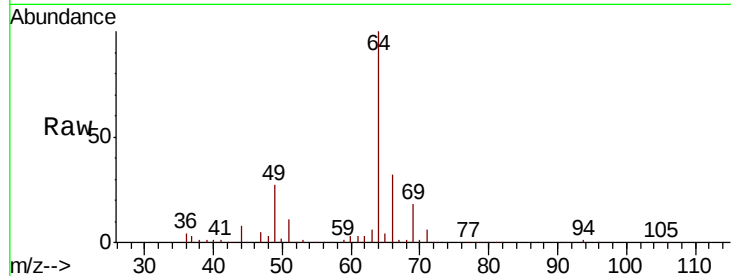
VSTD02527

Tot Ion: 64 Resp: 77925

Ion Ratio Lower Upper

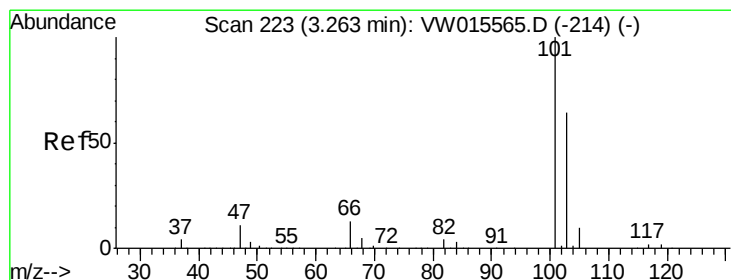
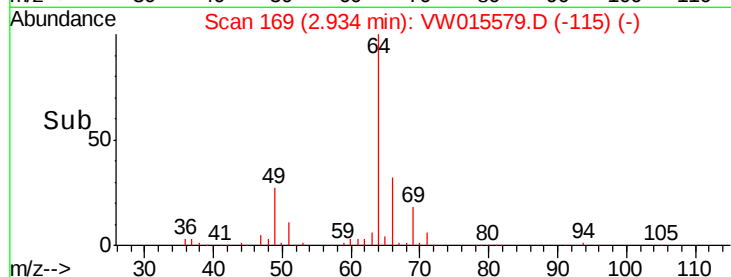
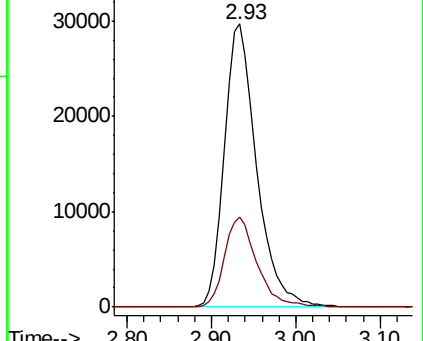
64 100

66 31.7 22.0 40.8



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 25.158 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW015579.D

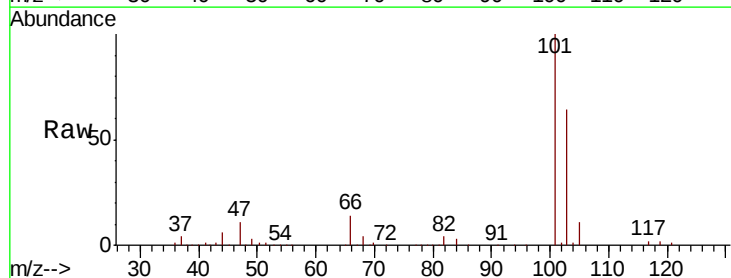
Acq: 11 Jun 2020 10:25

Tgt Ion:101 Resp: 94950

Ion Ratio Lower Upper

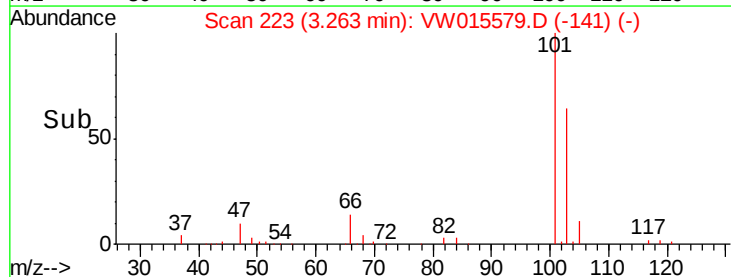
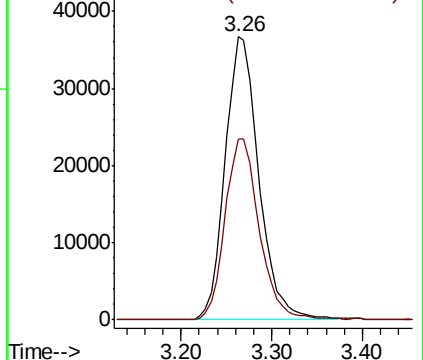
101 100

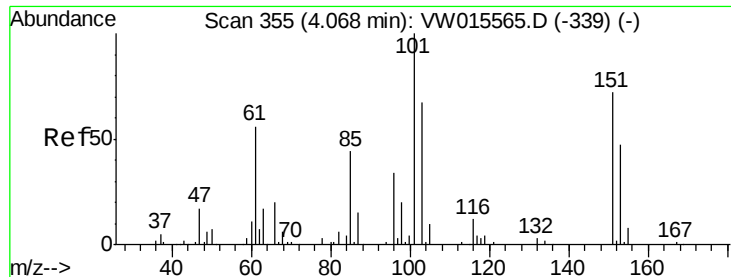
103 65.0 46.6 86.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 23.845 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW015579.D

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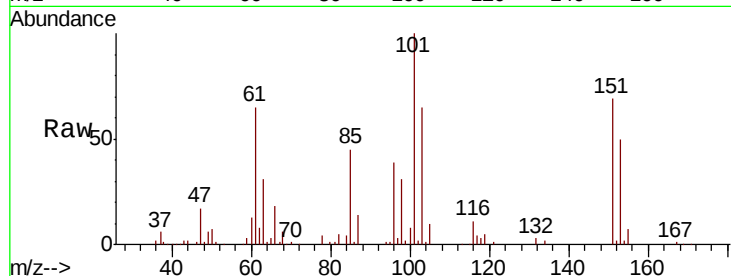
Tot Ion:101 Resp: 106734

Ion Ratio Lower Upper

101 100

85 44.9 35.1 52.7

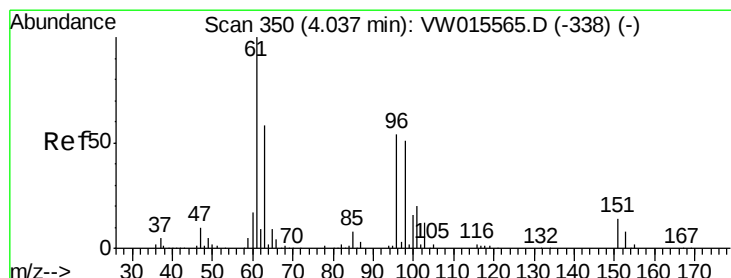
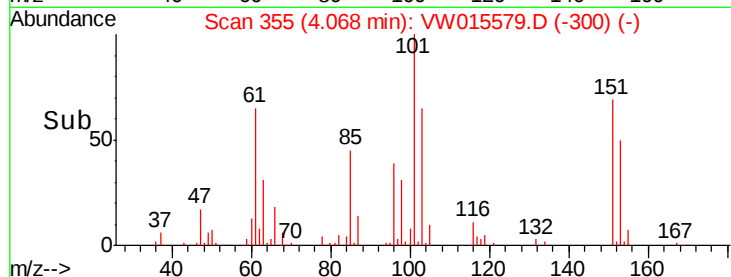
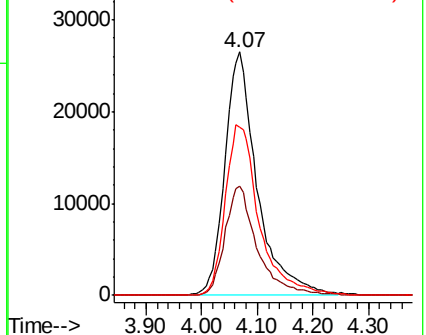
151 72.6 58.6 87.8



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: 23.125 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW015579.D

Acq: 11 Jun 2020 10:25

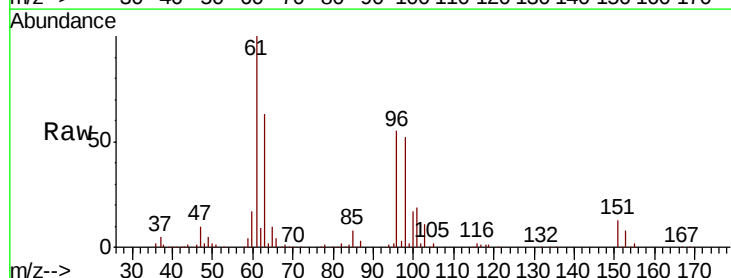
Tgt Ion: 96 Resp: 99991

Ion Ratio Lower Upper

96 100

61 182.6 127.7 237.1

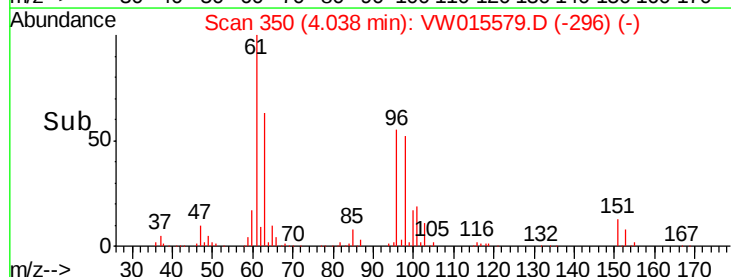
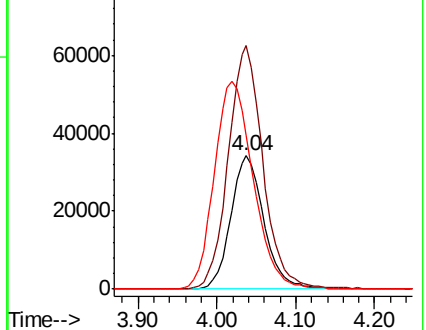
63 115.4 92.3 171.5

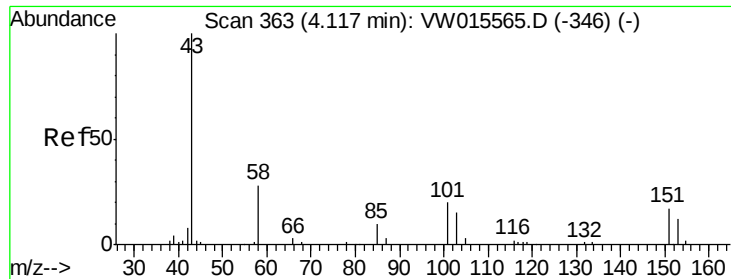


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 61.913 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW015579.D

Acq: 11 Jun 2020 10:25

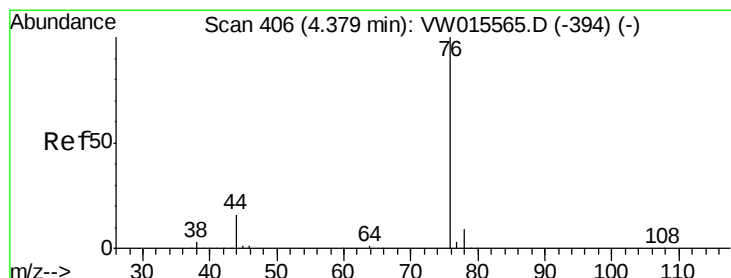
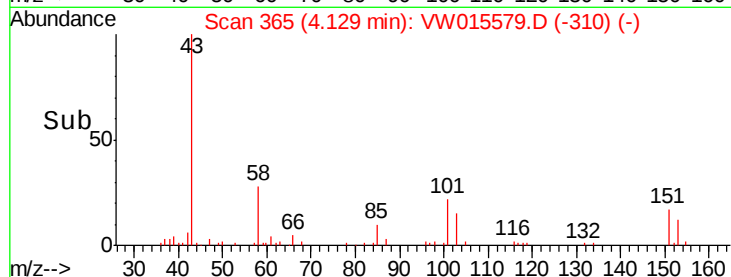
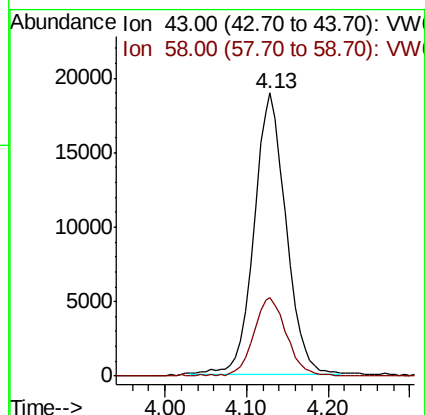
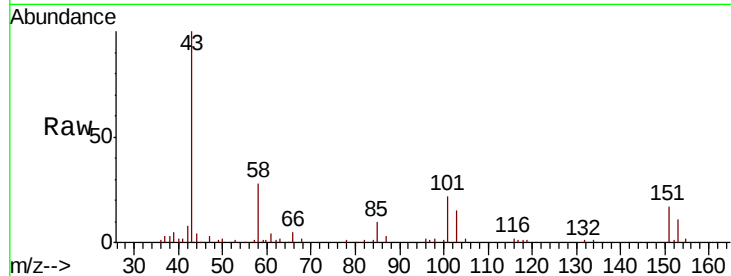
Instrument :
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Tot Ion: 43 Resp: 51928

Ion Ratio Lower Upper

43 100

58 28.4 0.0 56.8



#14

Carbon disulfide

Concen: 21.343 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW015579.D

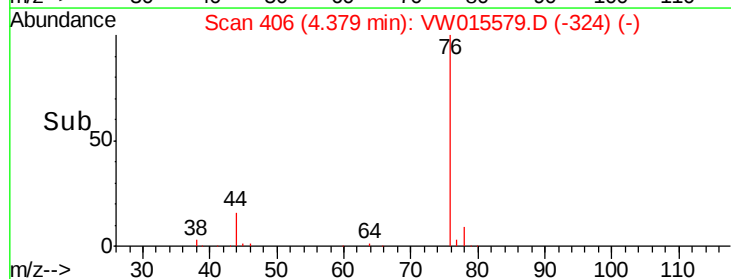
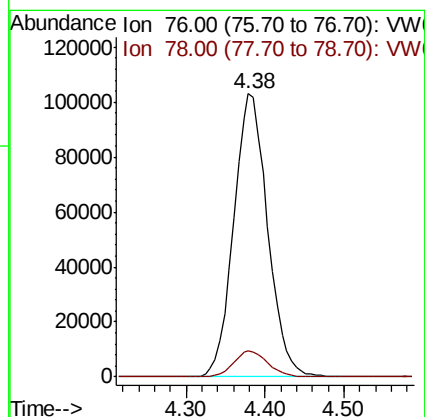
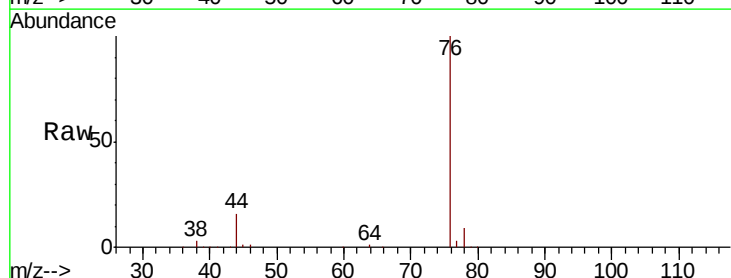
Acq: 11 Jun 2020 10:25

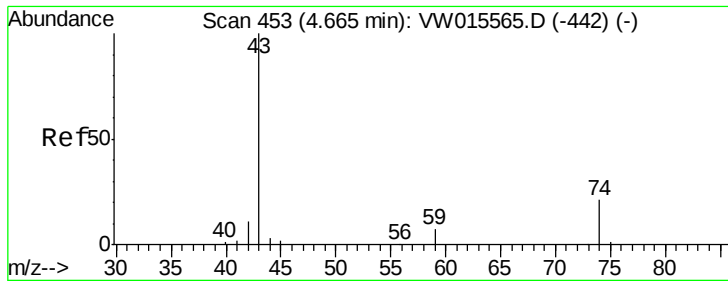
Tgt Ion: 76 Resp: 307866

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9





#15

Methvl Acetate

Concen: 23.854 ug/L

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW015579.D

Acq: 11 Jun 2020 10:25

Instrument :

MSVOA_W

ClientSampleId :

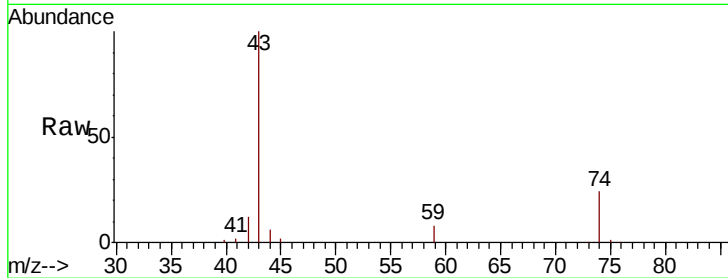
VSTD02527

Tot Ion: 43 Resp: 43285

Ion Ratio Lower Upper

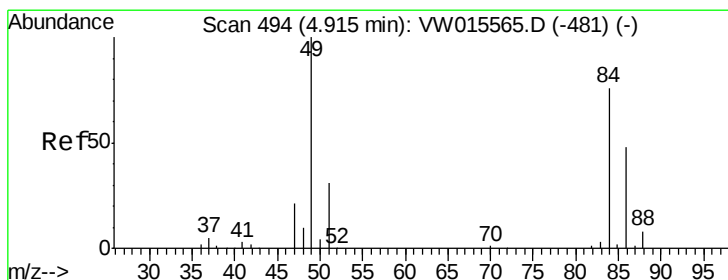
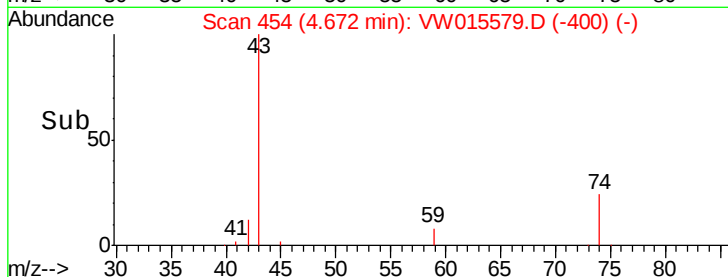
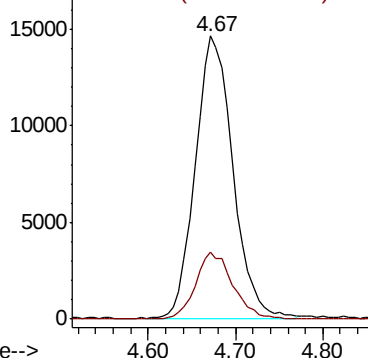
43 100

74 23.5 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 23.615 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW015579.D

Acq: 11 Jun 2020 10:25

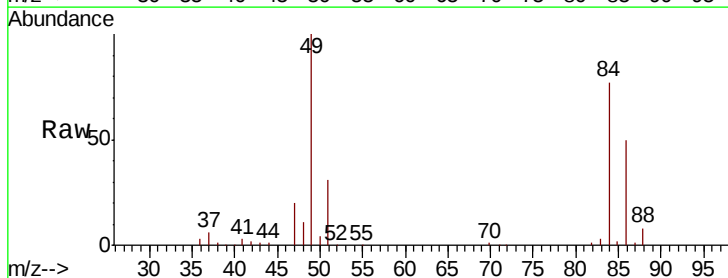
Tgt Ion: 84 Resp: 105097

Ion Ratio Lower Upper

84 100

49 129.8 93.0 172.8

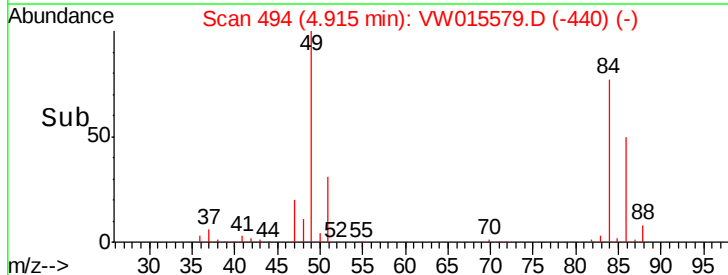
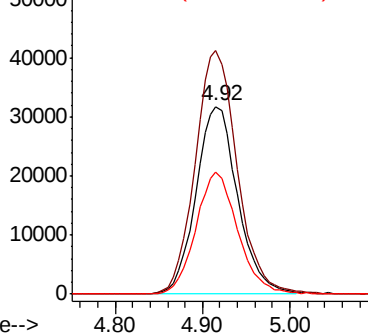
86 65.4 44.7 83.1

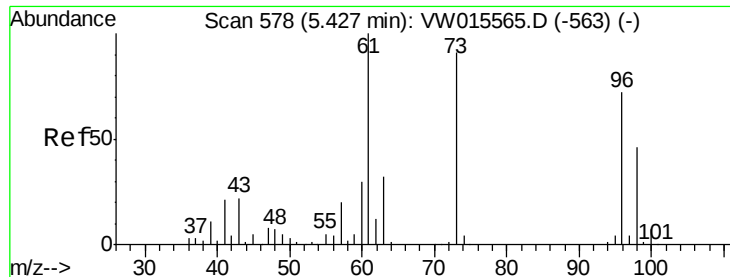


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

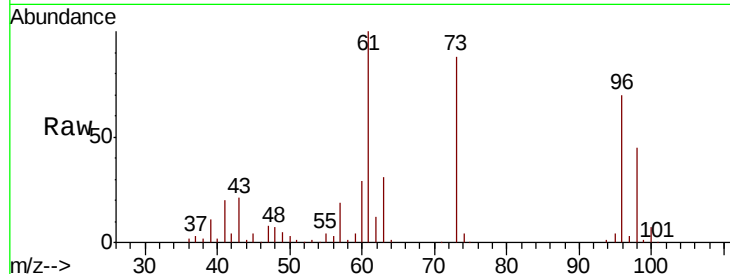




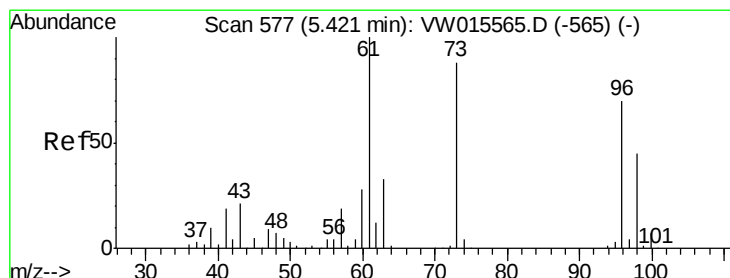
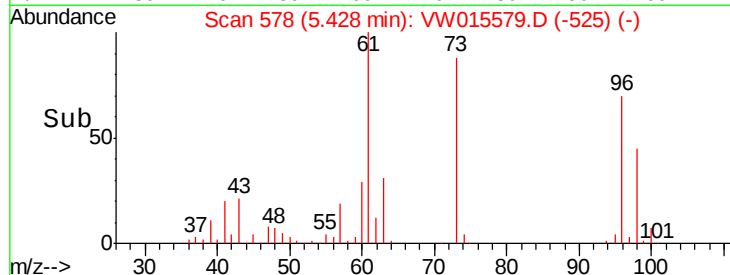
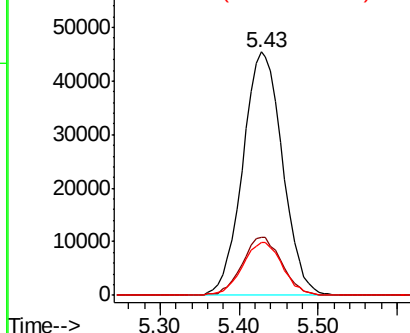
#17
Methvl tert-butvl Ether
Concen: 23.161 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW015579.D
Acq: 11 Jun 2020 10:25

Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

Tot Ion: 73 Resp: 158923
Ion Ratio Lower Upper
73 100
43 23.9 19.6 29.4
57 21.9 17.7 26.5

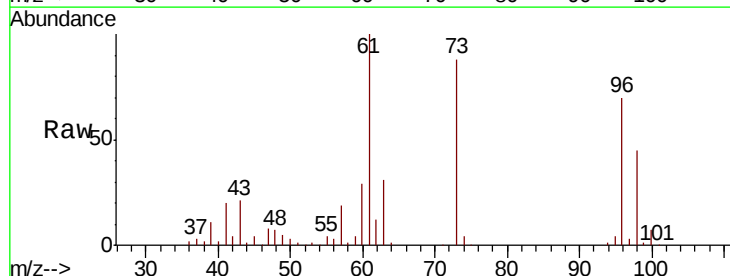


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

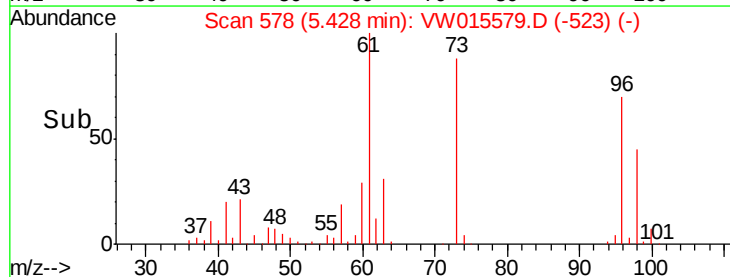
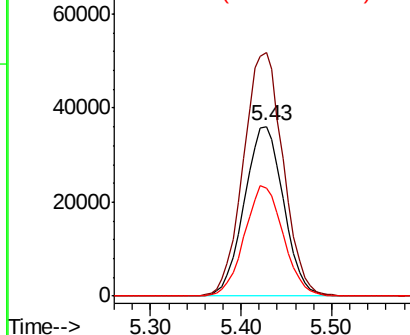


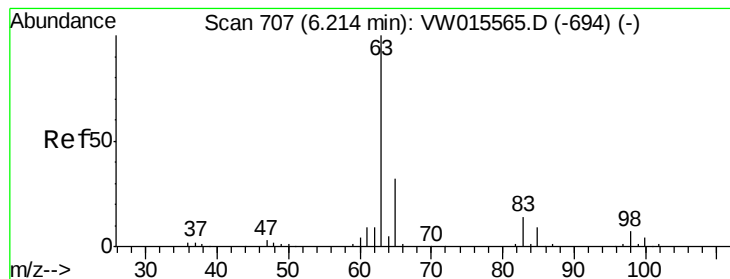
#18
trans-1,2-Dichloroethene
Concen: 23.395 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW015579.D
Acq: 11 Jun 2020 10:25

Tgt Ion: 96 Resp: 108409
Ion Ratio Lower Upper
96 100
61 143.6 101.9 189.3
98 64.0 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: 23.771 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW015579.D

Acq: 11 Jun 2020 10:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

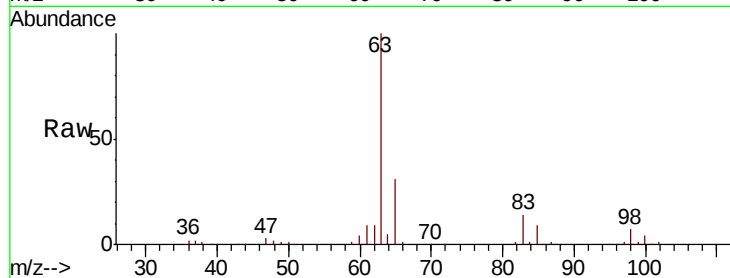
Tot Ion: 63 Resp: 198126

Ion Ratio Lower Upper

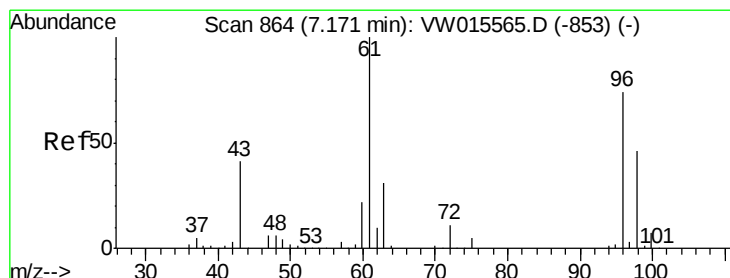
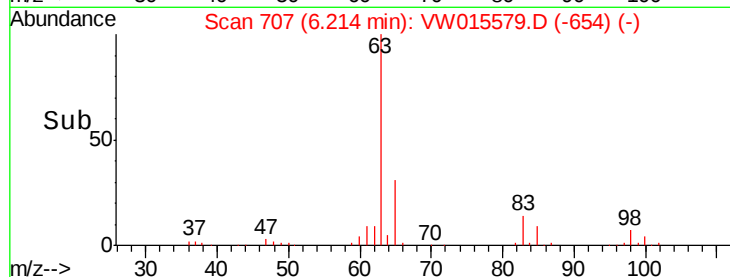
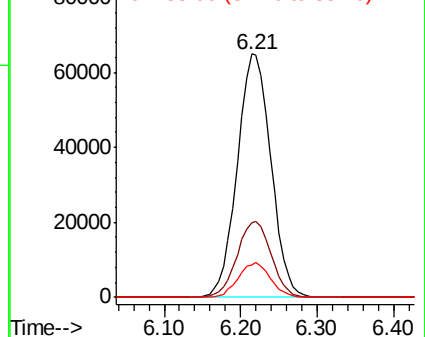
63 100

65 30.9 22.1 41.1

83 13.5 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: 52.002 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW015579.D

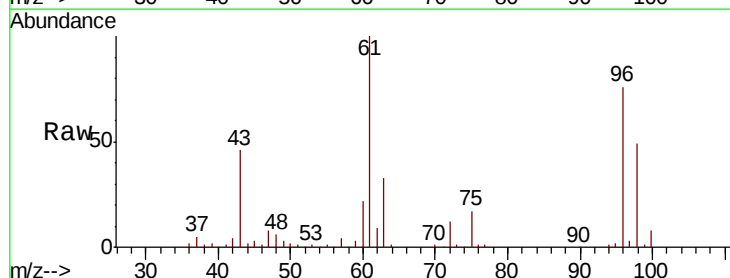
Acq: 11 Jun 2020 10:25

Tgt Ion: 43 Resp: 67002

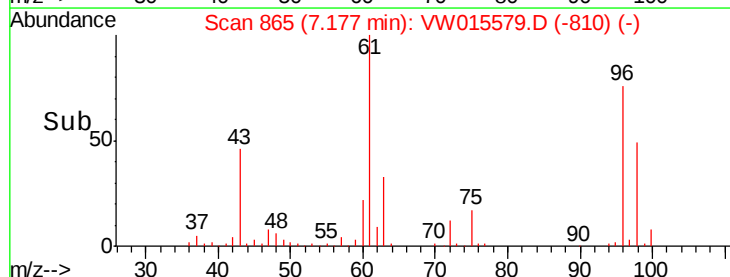
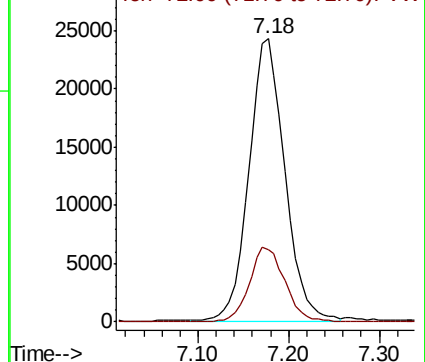
Ion Ratio Lower Upper

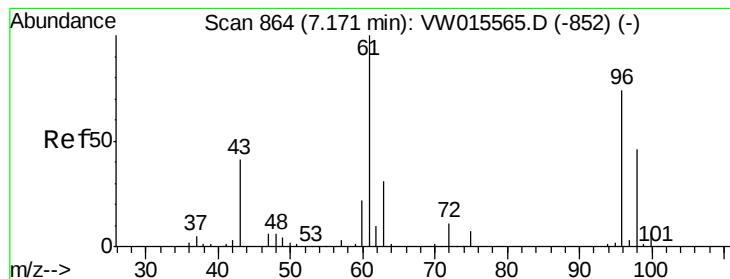
43 100

72 25.9 13.3 39.9



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



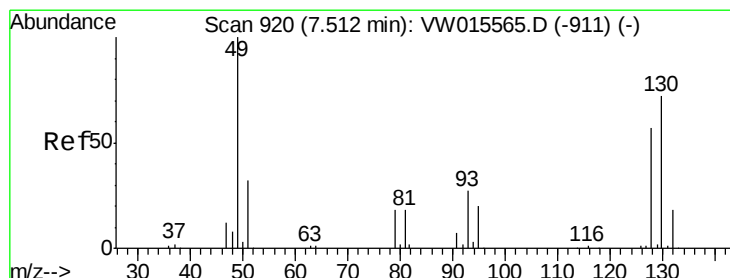
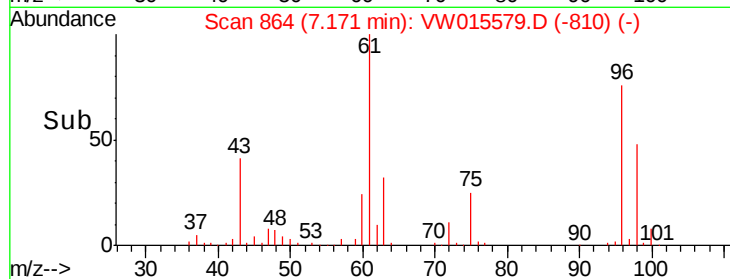
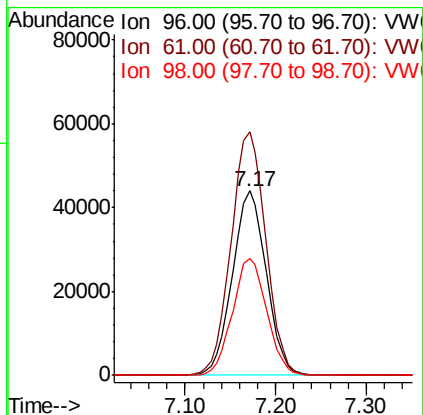
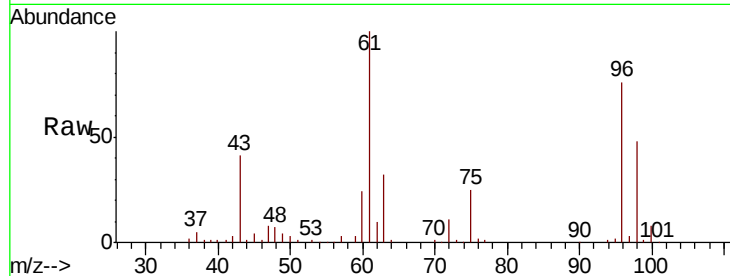


#22

cis-1,2-Dichloroethene
 Concen: 23.611 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW015579.D
 Acq: 11 Jun 2020 10:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

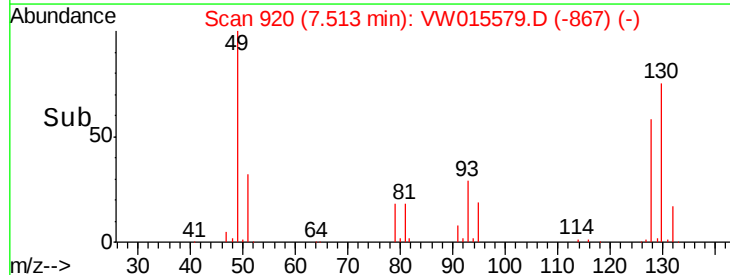
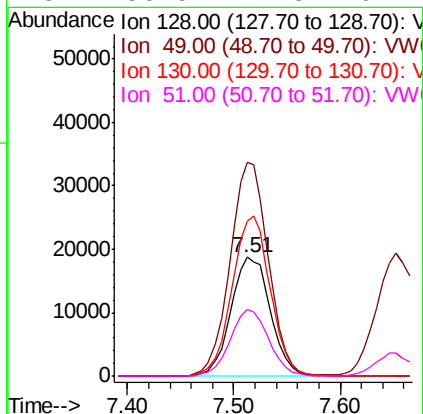
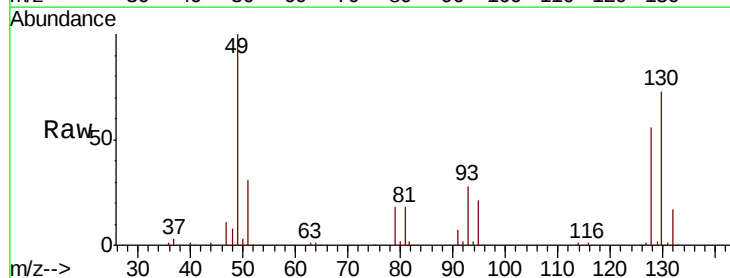
Tot Ion: 96 Resp: 114133
 Ion Ratio Lower Upper
 96 100
 61 132.0 93.7 173.9
 98 63.6 45.1 83.9

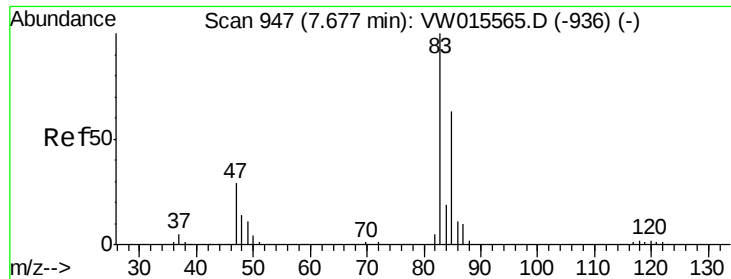


#23

Bromochloromethane
 Concen: 23.246 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW015579.D
 Acq: 11 Jun 2020 10:25

Tgt Ion: 128 Resp: 48457
 Ion Ratio Lower Upper
 128 100
 49 179.9 118.1 219.3
 130 130.8 88.5 164.3
 51 56.5 42.8 64.2

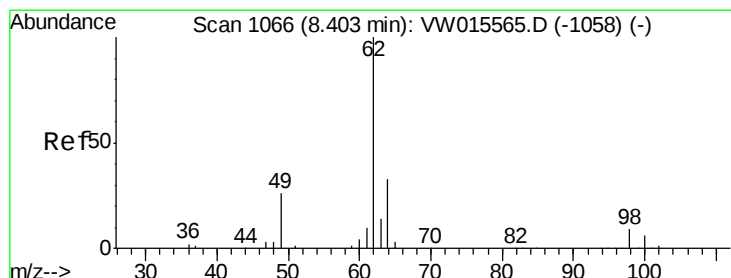
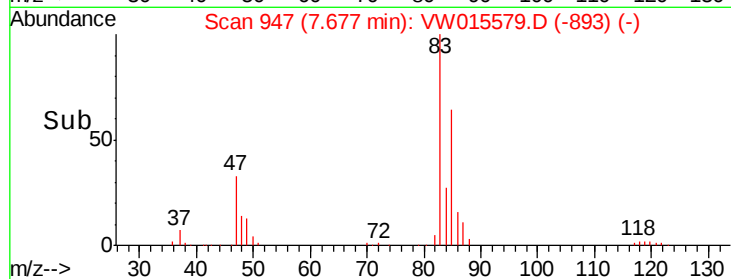
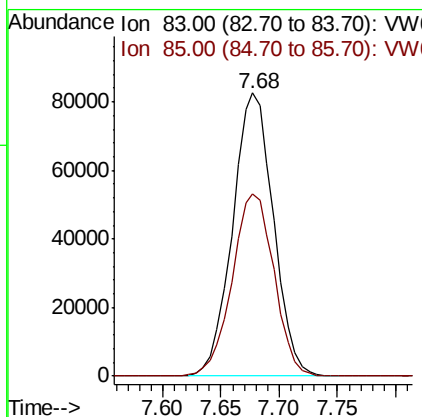
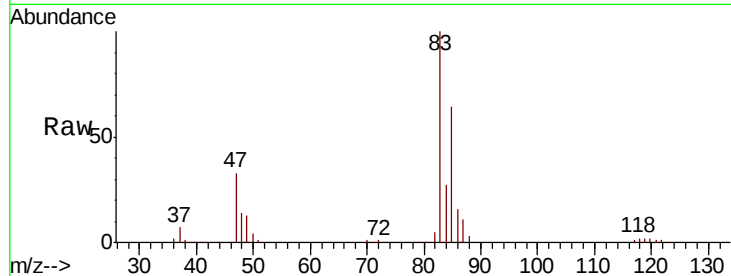




#25
Chloroform
Concen: 23.997 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015579.D
Acq: 11 Jun 2020 10:25

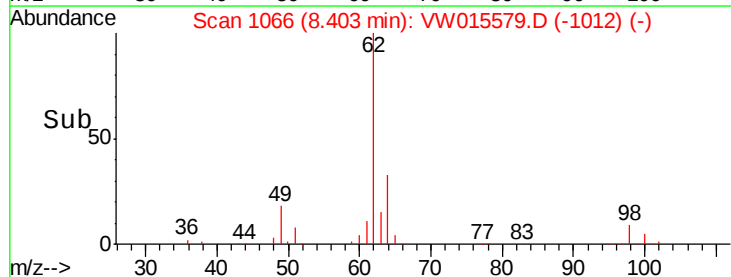
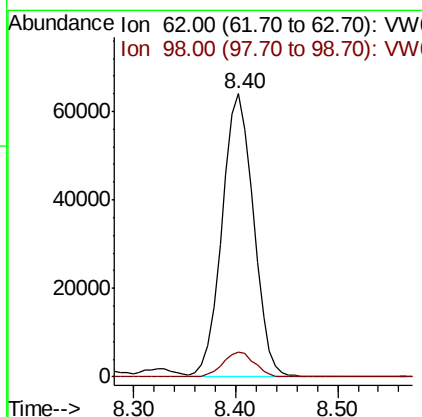
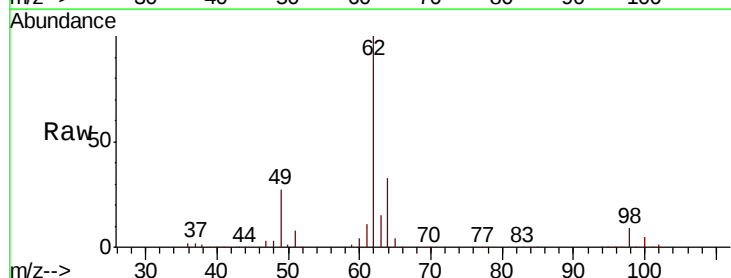
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

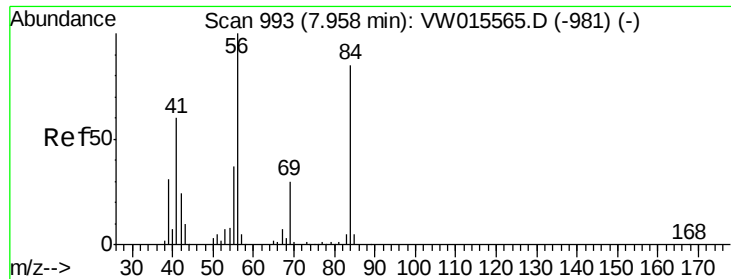
Tot Ion: 83 Resp: 201389
Ion Ratio Lower Upper
83 100
85 66.2 45.7 84.9



#27
1,2-Dichloroethane
Concen: 24.044 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015579.D
Acq: 11 Jun 2020 10:25

Tgt Ion: 62 Resp: 136510
Ion Ratio Lower Upper
62 100
98 8.8 7.0 10.4

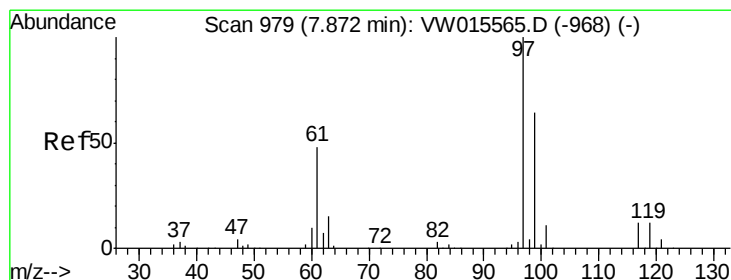
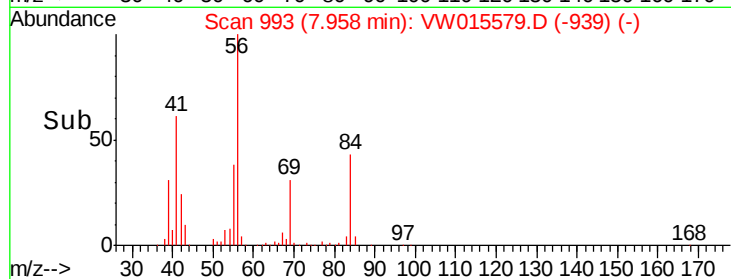
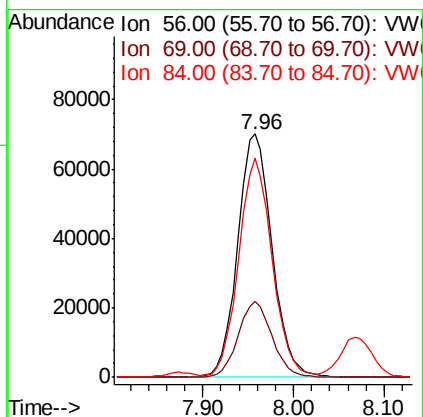
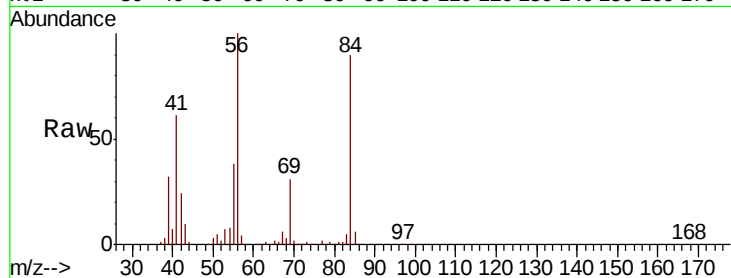




#30
Cyclohexane
Concen: 22.481 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW015579.D
Acq: 11 Jun 2020 10:25

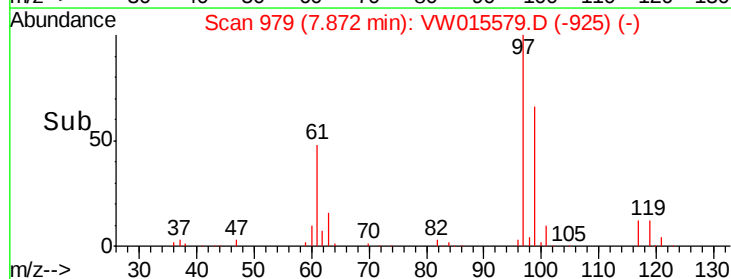
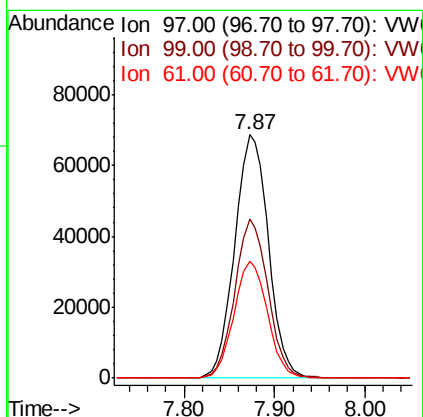
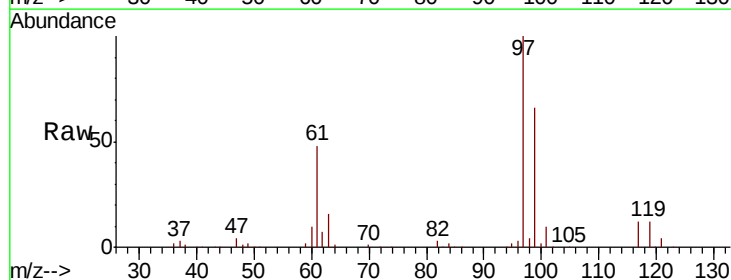
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

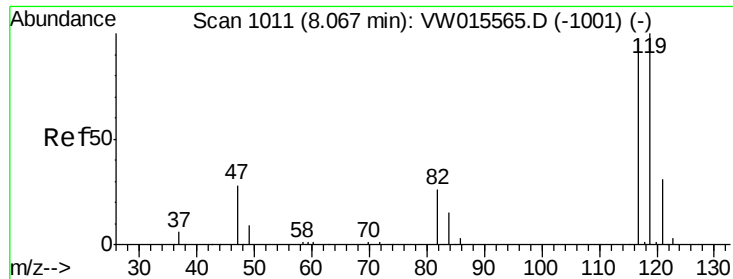
Tot Ion: 56 Resp: 184335
Ion Ratio Lower Upper
56 100
69 30.8 24.6 37.0
84 88.0 69.6 104.4



#31
1,1,1-Trichloroethane
Concen: 23.862 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015579.D
Acq: 11 Jun 2020 10:25

Tgt Ion: 97 Resp: 177077
Ion Ratio Lower Upper
97 100
99 64.1 51.4 77.0
61 47.7 38.1 57.1





#32

Carbon tetrachloride

Concen: 23.856 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW015579.D

Acq: 11 Jun 2020 10:25

Instrument :

MSVOA_W

ClientSampleId :

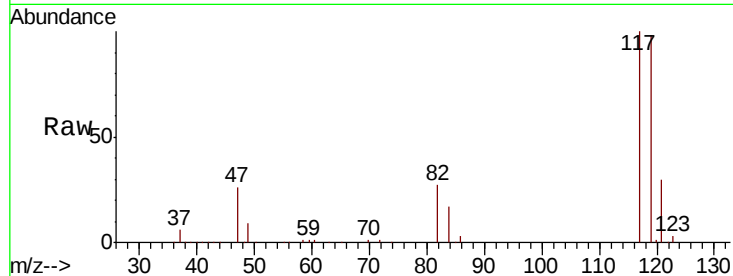
VSTD02527

Tot Ion:117 Resp: 162373

Ion Ratio Lower Upper

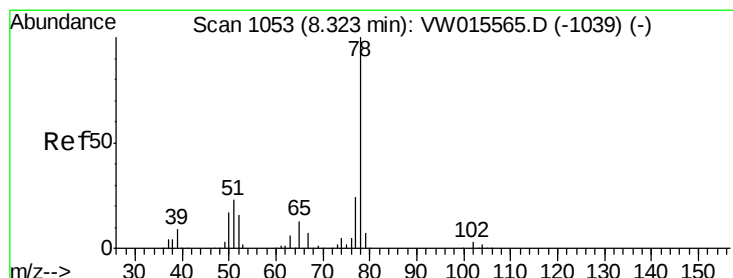
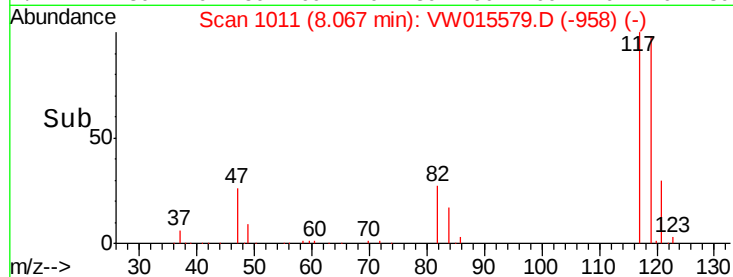
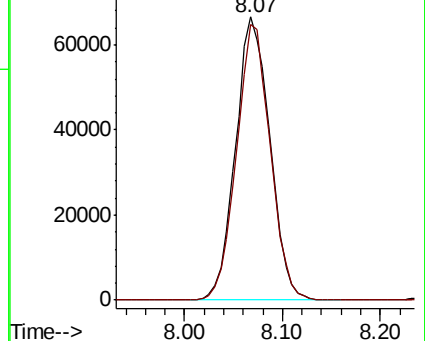
117 100

119 95.5 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: 24.052 ug/L

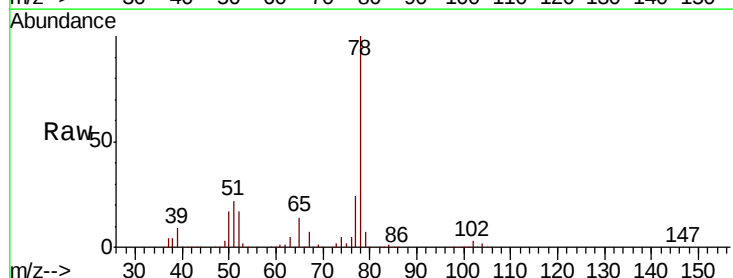
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

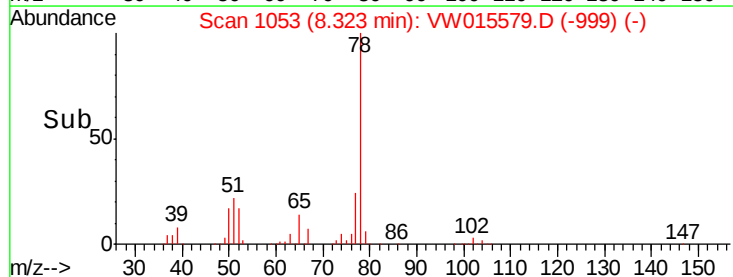
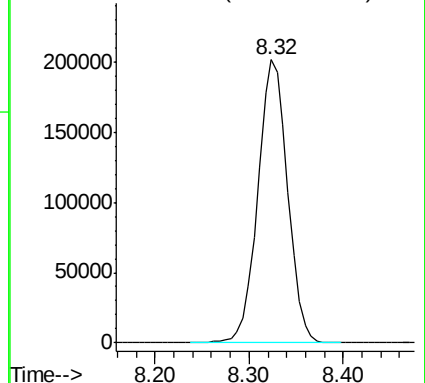
Lab File: VW015579.D

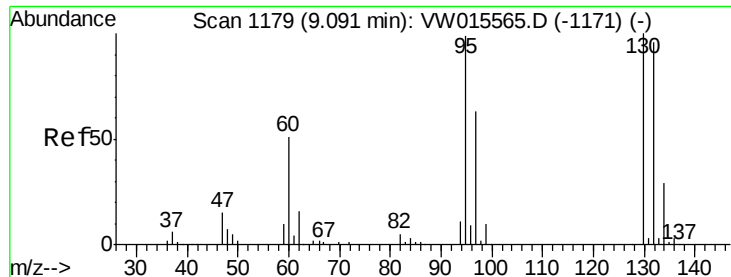
Acq: 11 Jun 2020 10:25

Tgt Ion: 78 Resp: 446187



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 23.684 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015579.D

Acq: 11 Jun 2020 10:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

Tot Ion: 95 Resp: 118017

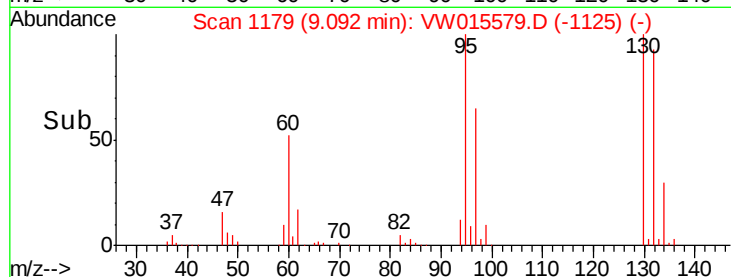
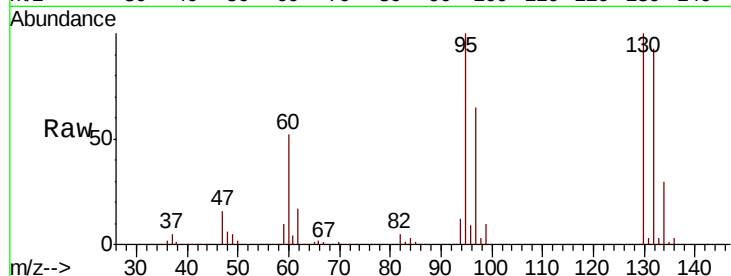
Ion Ratio Lower Upper

95 100

97 64.5 45.4 84.2

132 95.0 67.1 124.7

130 98.7 69.4 128.8

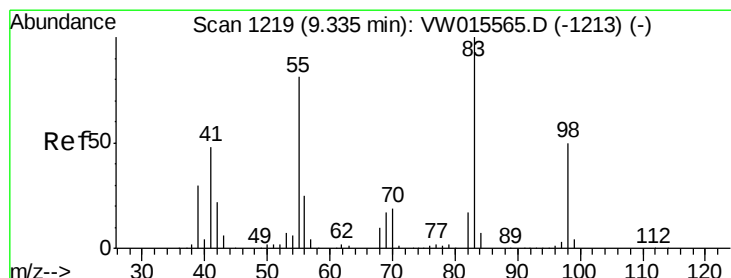
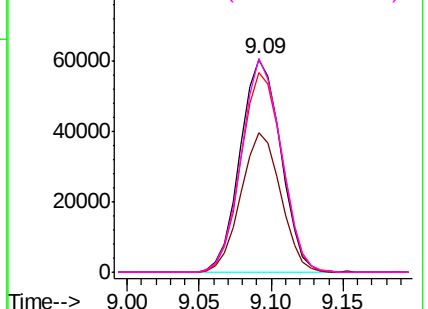


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 23.179 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW015579.D

Acq: 11 Jun 2020 10:25

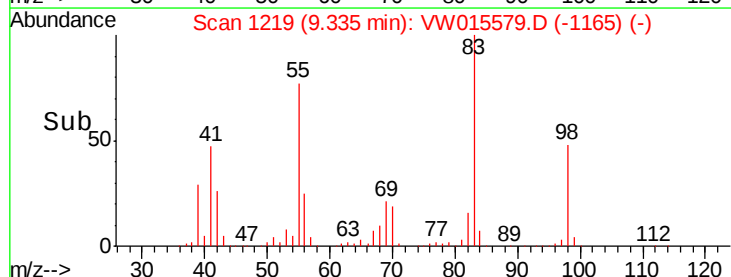
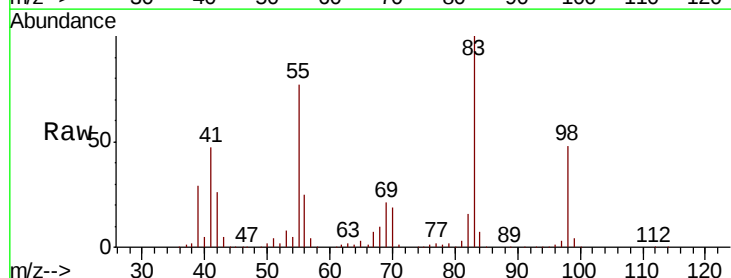
Tgt Ion: 83 Resp: 205992

Ion Ratio Lower Upper

83 100

55 78.6 62.8 94.2

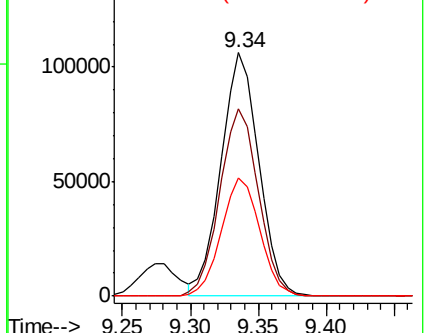
98 49.5 39.2 58.8

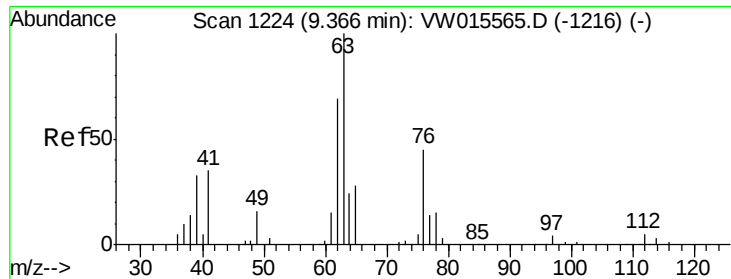


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

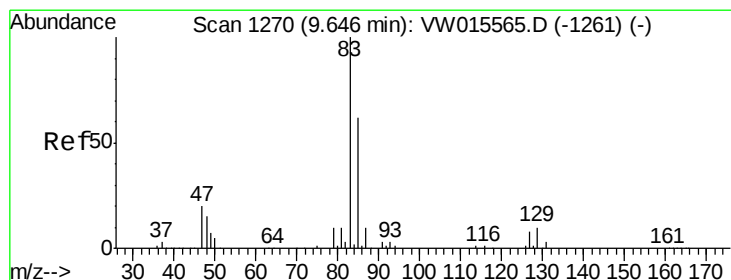
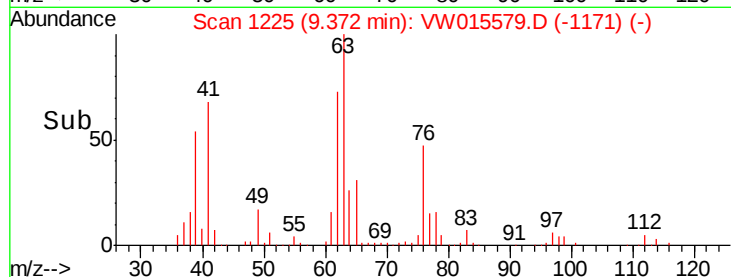
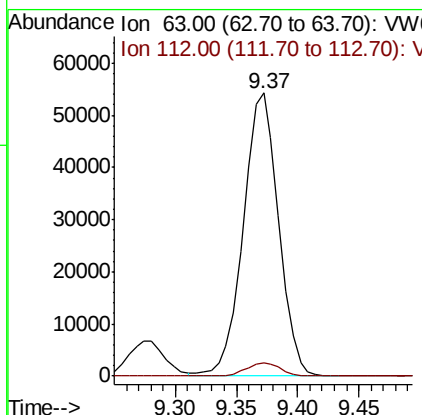
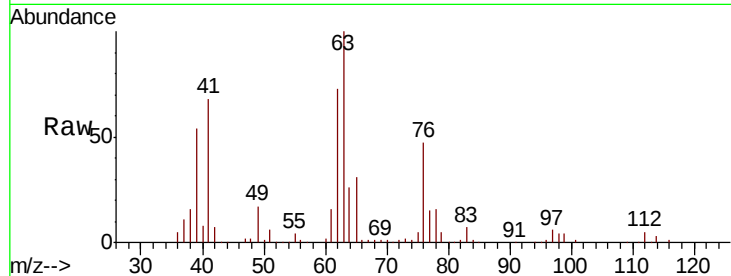




#40
 1,2-Dichloropropane
 Concen: 23.885 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015579.D
 Acq: 11 Jun 2020 10:25

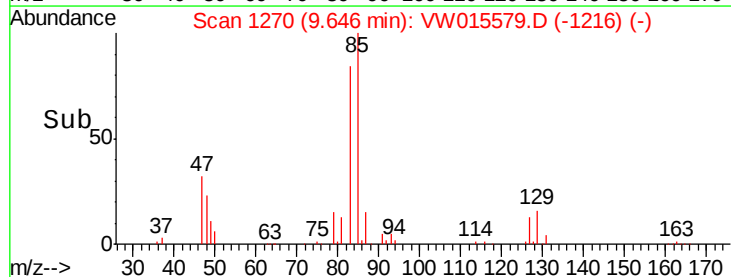
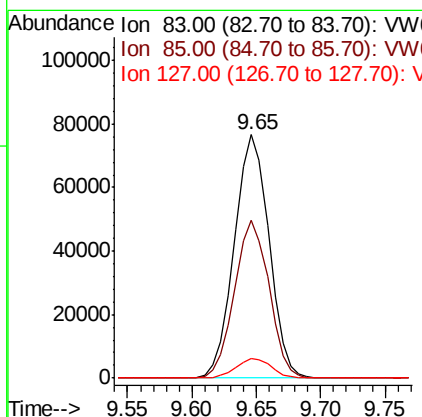
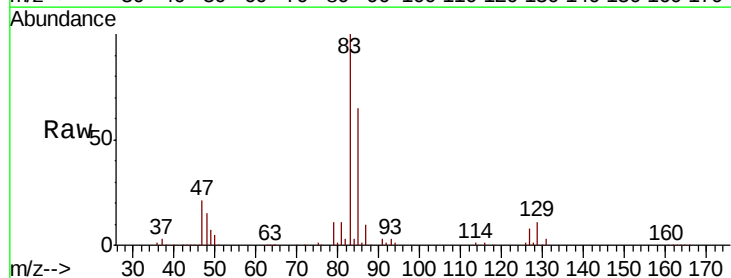
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

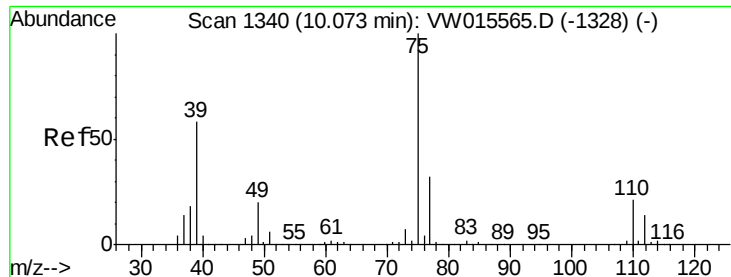
Tot Ion: 63 Resp: 109111
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.8 5.8



#41
 Bromodichloromethane
 Concen: 23.454 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW015579.D
 Acq: 11 Jun 2020 10:25

Tgt Ion: 83 Resp: 143138
 Ion Ratio Lower Upper
 83 100
 85 65.0 44.8 83.2
 127 8.1 7.0 10.6

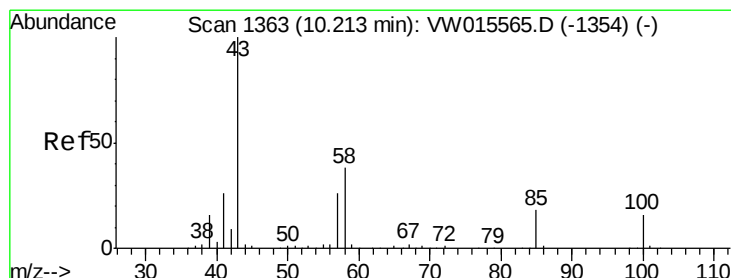
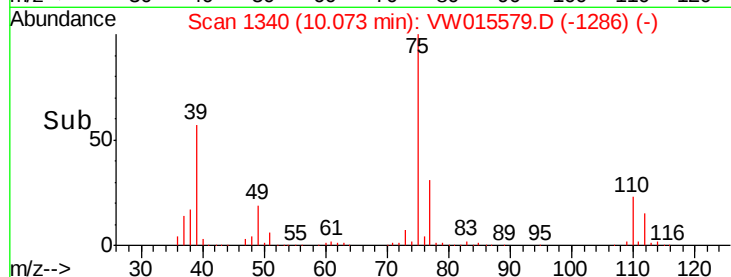
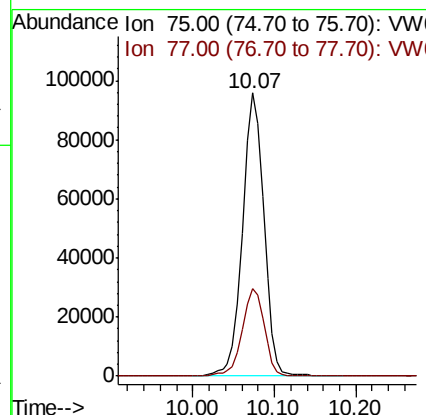
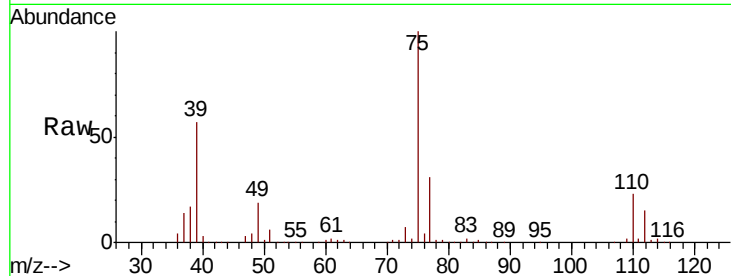




#42
 cis-1,3-Dichloropropene
 Concen: 23.702 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015579.D
 Acq: 11 Jun 2020 10:25

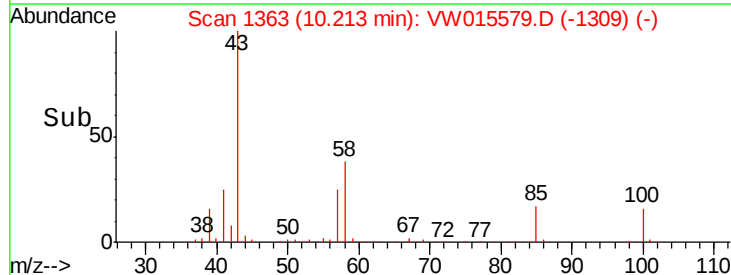
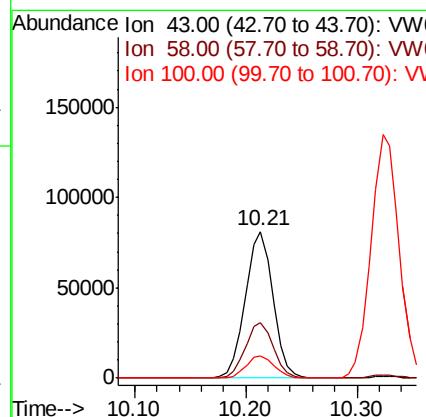
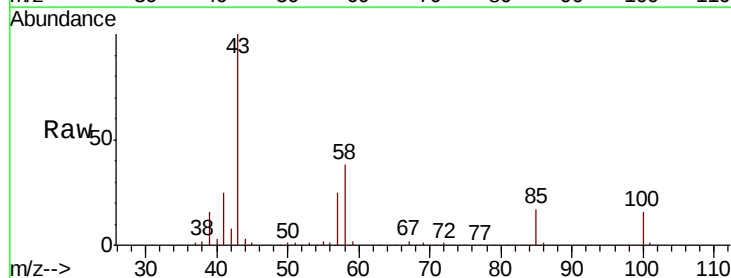
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

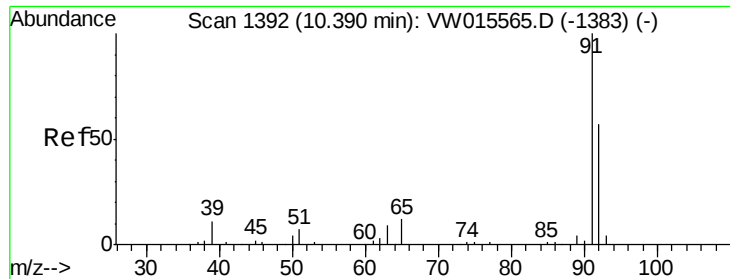
Tot Ion: 75 Resp: 173267
 Ion Ratio Lower Upper
 75 100
 77 30.7 22.3 41.5



#43
 4-Methyl-2-pentanone
 Concen: 52.283 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW015579.D
 Acq: 11 Jun 2020 10:25

Tgt Ion: 43 Resp: 140005
 Ion Ratio Lower Upper
 43 100
 58 38.6 30.6 46.0
 100 15.7 12.5 18.7





#44

Toluene

Concen: 23.942 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015579.D

Acq: 11 Jun 2020 10:25

Instrument :

MSVOA_W

ClientSampleId :

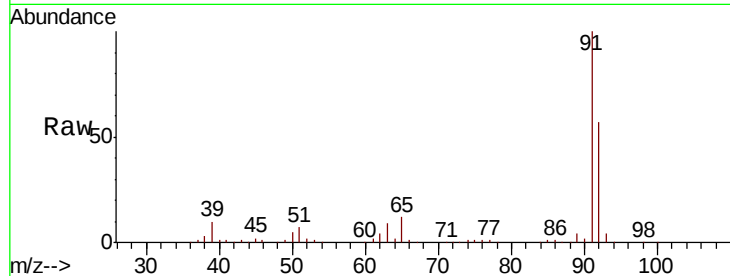
VSTD02527

Tot Ion: 91 Resp: 483893

Ion Ratio Lower Upper

91 100

92 57.2 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

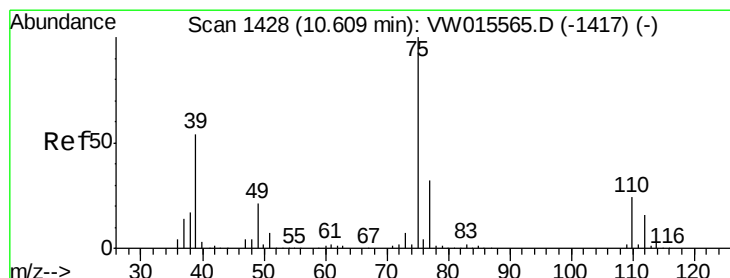
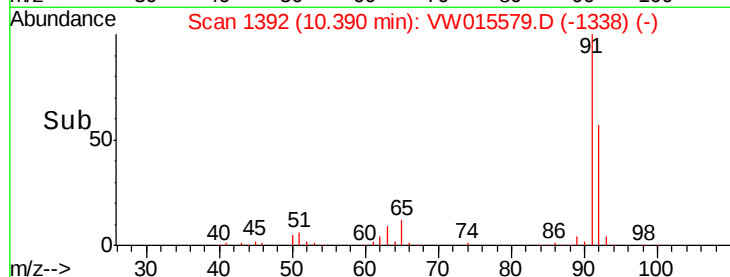
150000

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 24.162 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW015579.D

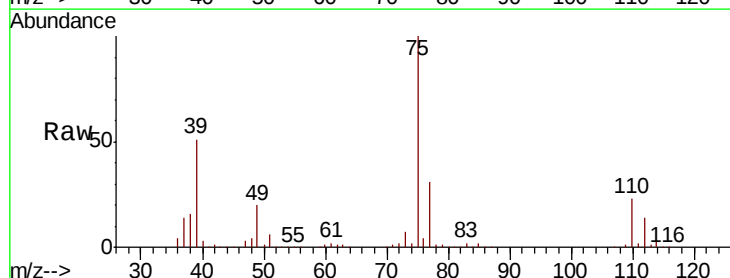
Acq: 11 Jun 2020 10:25

Tgt Ion: 75 Resp: 153714

Ion Ratio Lower Upper

75 100

77 31.3 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

100000

80000

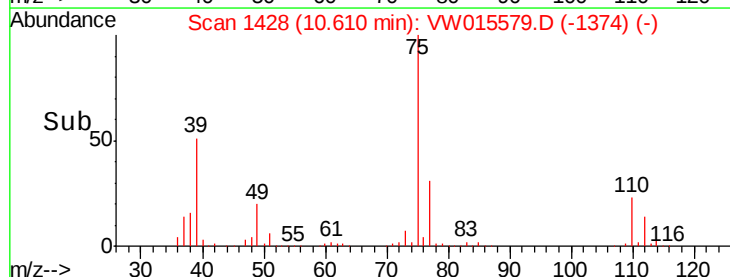
60000

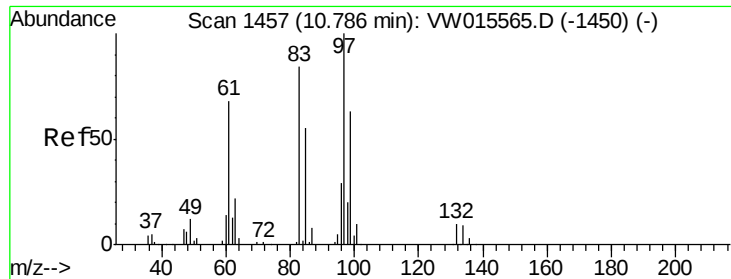
40000

20000

0

Time-->





#46

1,1,2-Trichloroethane

Concen: 24.748 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015579.D

Acq: 11 Jun 2020 10:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

Tot Ion: 97 Resp: 79095

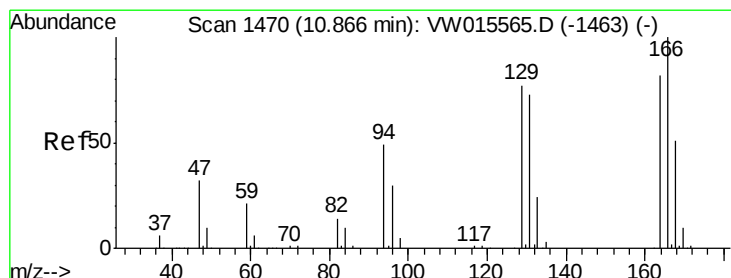
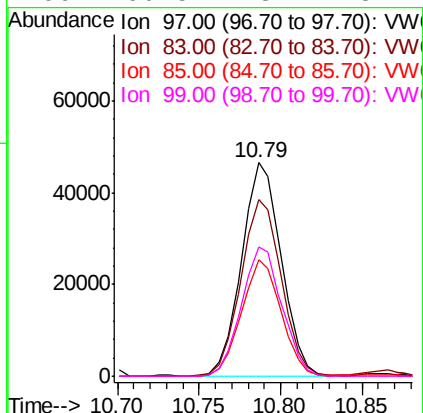
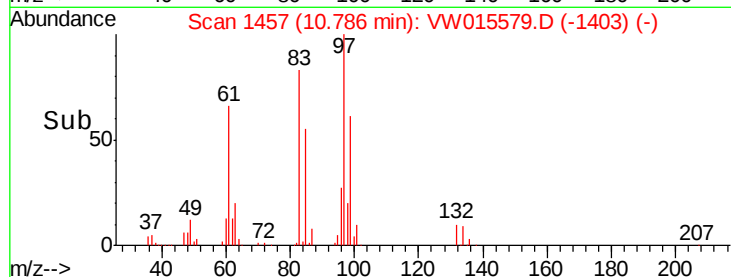
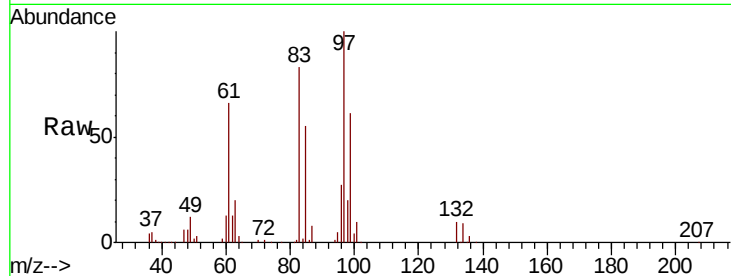
Ion Ratio Lower Upper

97 100

83 83.0 58.2 108.2

85 54.7 37.4 69.4

99 60.5 43.7 81.1



#47

Tetrachloroethene

Concen: 23.590 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW015579.D

Acq: 11 Jun 2020 10:25

Tgt Ion: 164 Resp: 93178

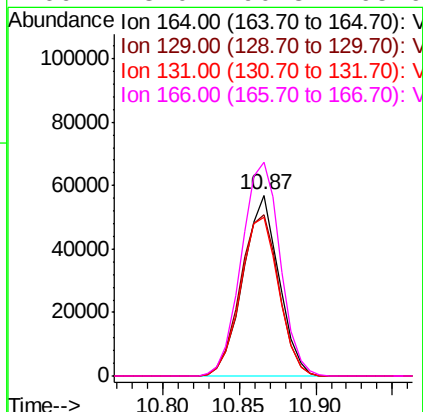
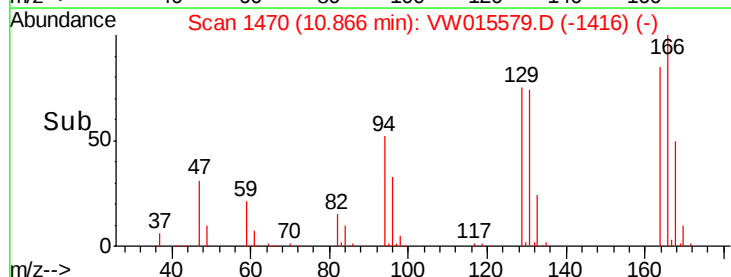
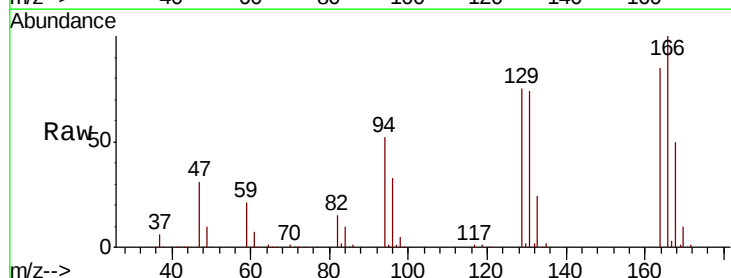
Ion Ratio Lower Upper

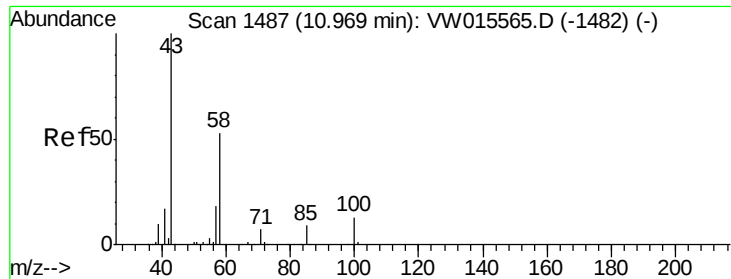
164 100

129 88.9 66.3 123.1

131 87.9 65.1 120.9

166 118.0 90.8 168.6





#49

2-Hexanone

Concen: 51.613 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW015579.D

Acq: 11 Jun 2020 10:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

Tot Ion: 43 Resp: 93291

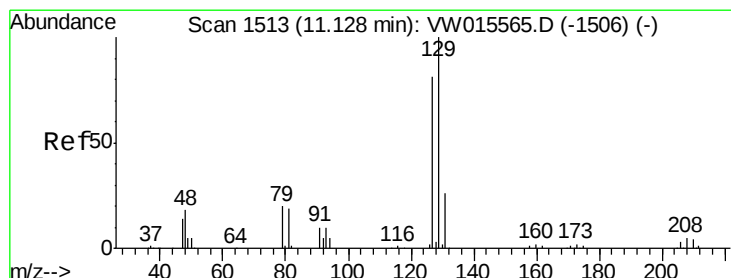
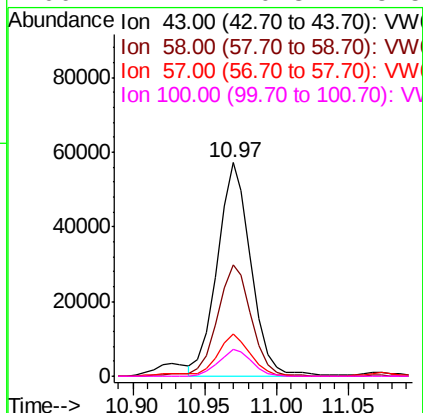
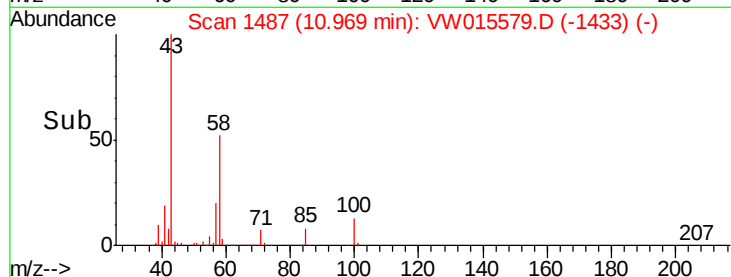
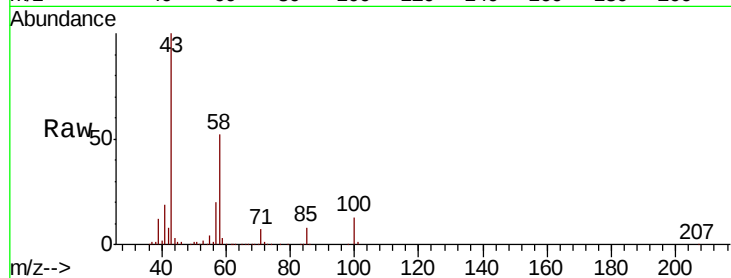
Ion Ratio Lower Upper

43 100

58 51.8 42.6 64.0

57 18.9 15.5 23.3

100 12.4 10.3 15.5



#50

Dibromochloromethane

Concen: 24.512 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW015579.D

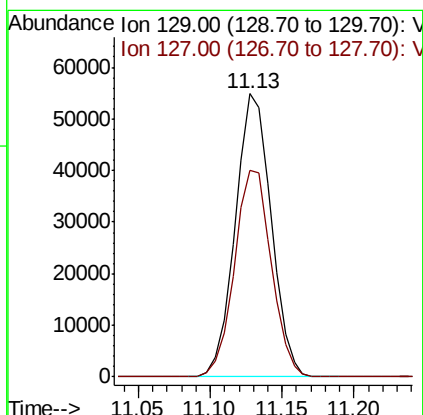
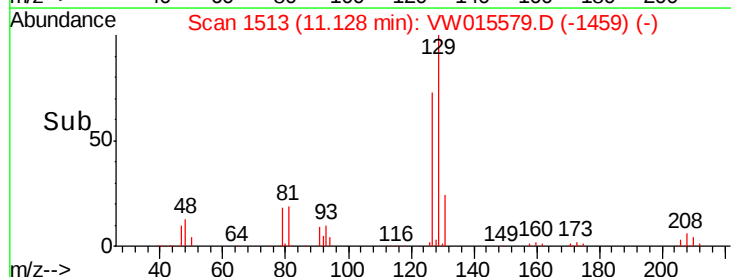
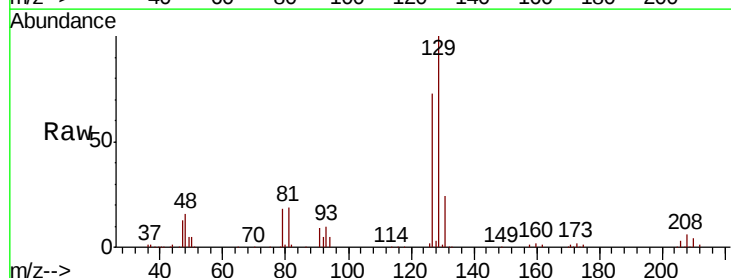
Acq: 11 Jun 2020 10:25

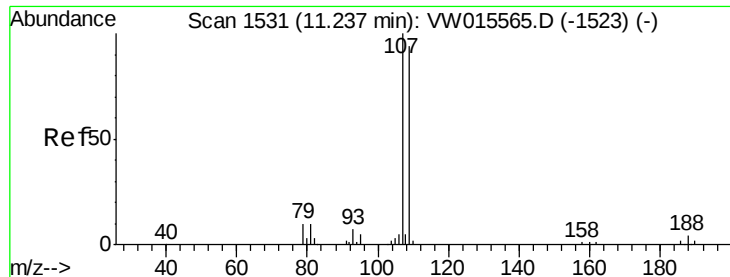
Tgt Ion: 129 Resp: 95179

Ion Ratio Lower Upper

129 100

127 73.0 53.0 98.4

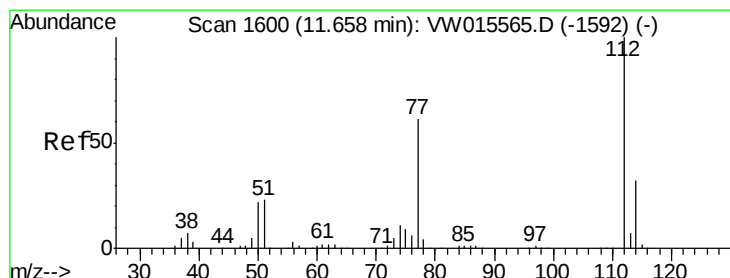
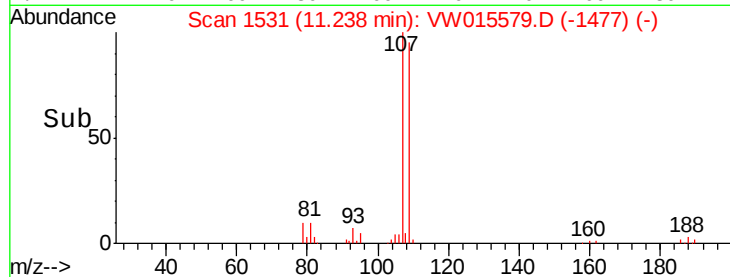
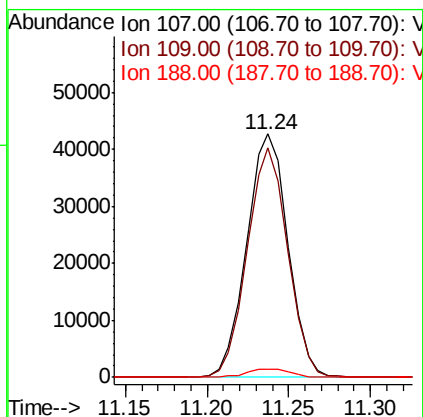
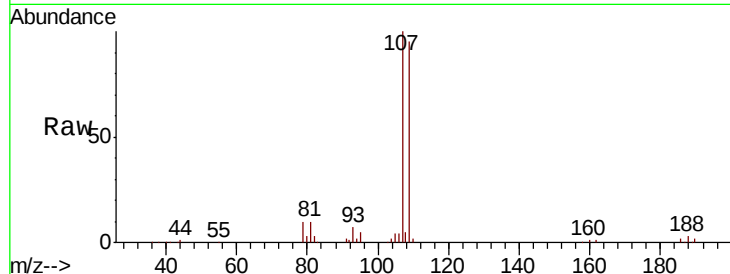




#51
 1,2-Dibromoethane
 Concen: 24.460 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW015579.D
 Acq: 11 Jun 2020 10:25

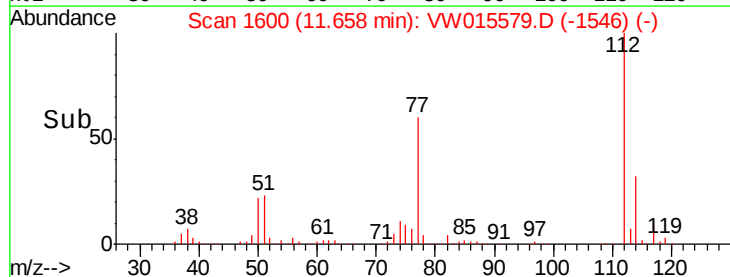
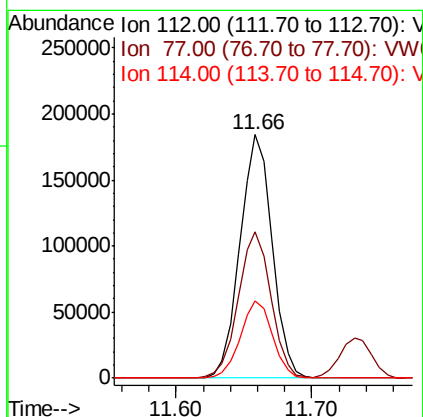
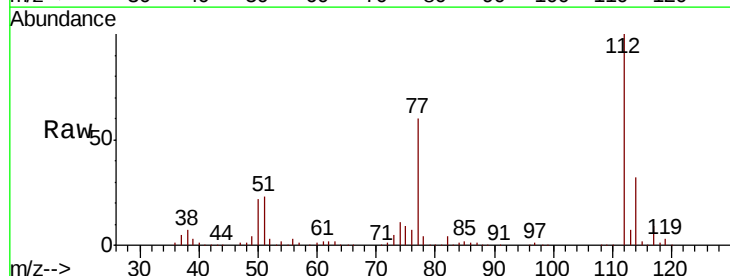
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

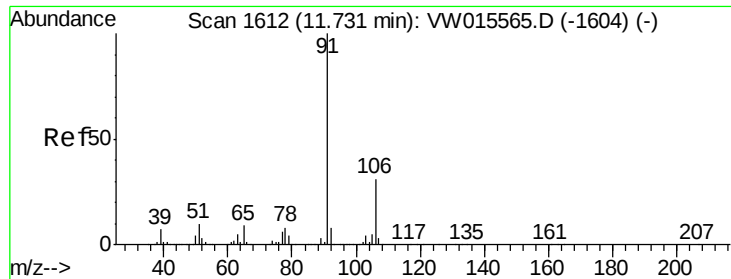
Tot Ion:107 Resp: 75050
 Ion Ratio Lower Upper
 107 100
 109 94.5 64.6 120.0
 188 3.4 2.8 4.2



#52
 Chlorobenzene
 Concen: 24.021 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW015579.D
 Acq: 11 Jun 2020 10:25

Tgt Ion:112 Resp: 304514
 Ion Ratio Lower Upper
 112 100
 77 60.1 49.7 74.5
 114 31.6 21.8 40.6

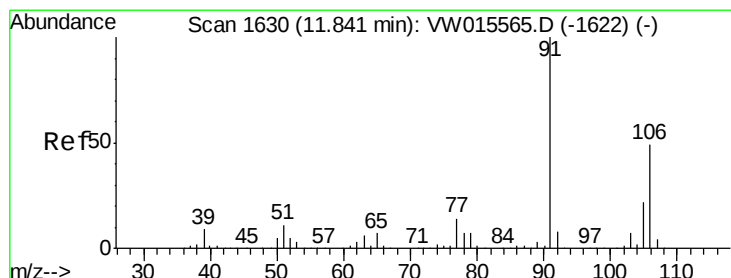
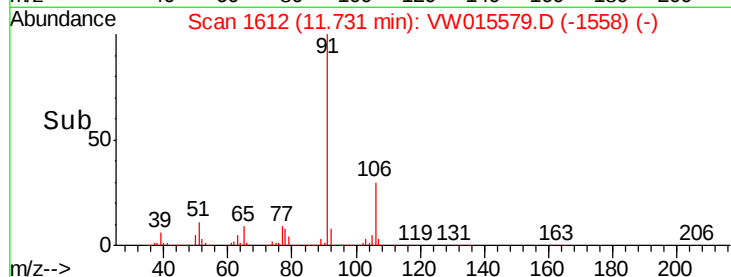
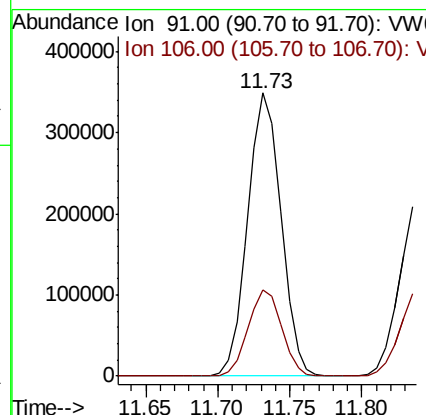
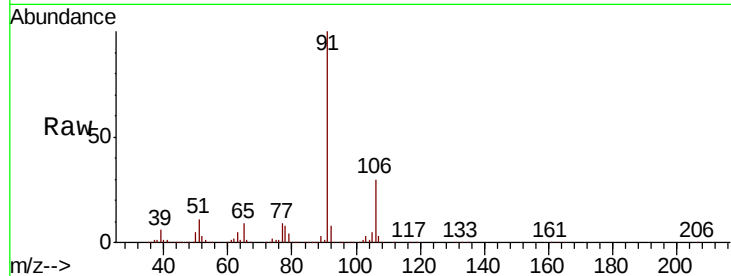




#53
Ethylbenzene
Concen: 24.074 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015579.D
Acq: 11 Jun 2020 10:25

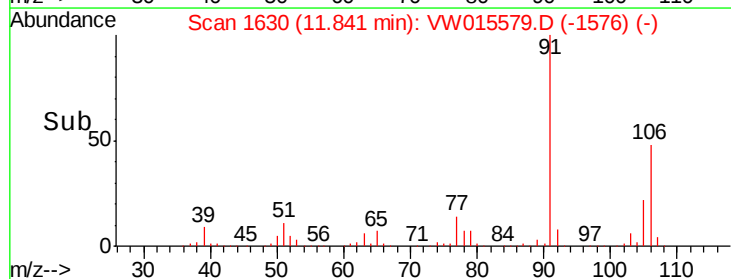
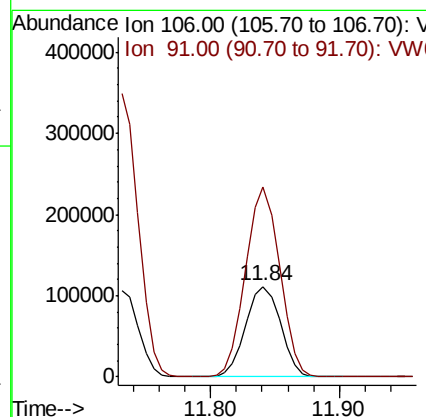
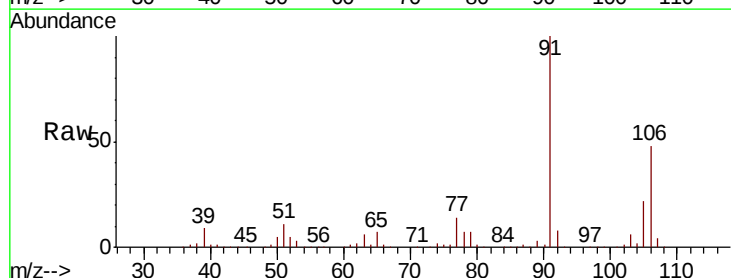
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

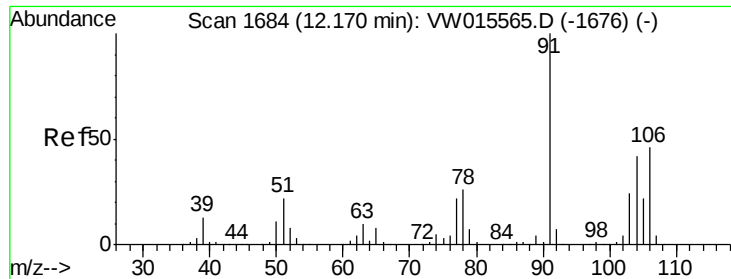
Tot Ion: 91 Resp: 558675
Ion Ratio Lower Upper
91 100
106 30.4 21.3 39.6



#54
m,p-Xylene
Concen: 24.033 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015579.D
Acq: 11 Jun 2020 10:25

Tgt Ion: 106 Resp: 209286
Ion Ratio Lower Upper
106 100
91 209.7 142.6 264.8





#55

o-xylene

Concen: 24.095 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VW015579.D

Acq: 11 Jun 2020 10:25

Instrument :

MSVOA_W

ClientSampled :

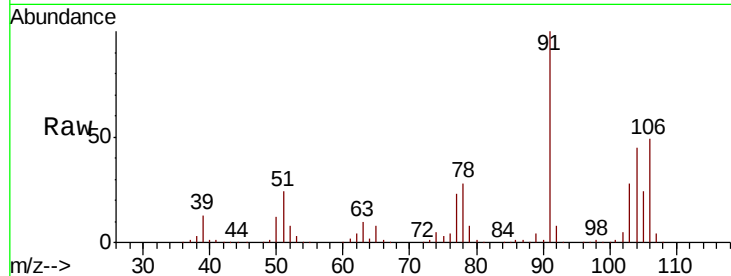
VSTD02527

Tot Ion:106 Resp: 199171

Ion Ratio Lower Upper

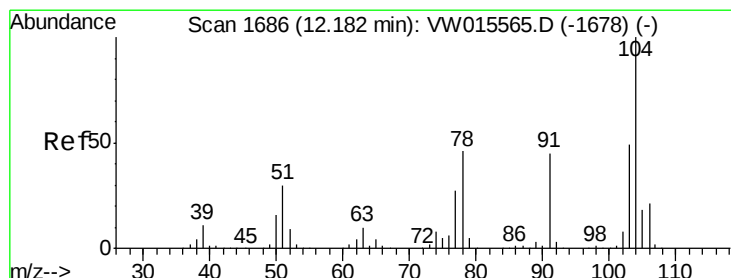
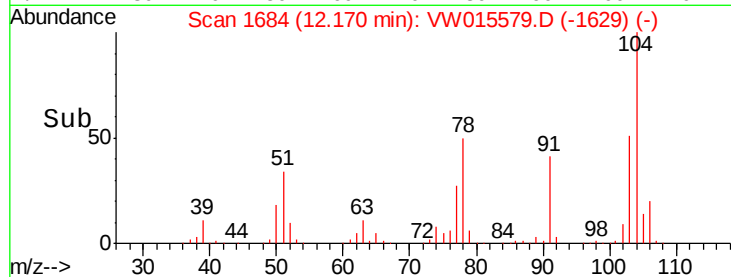
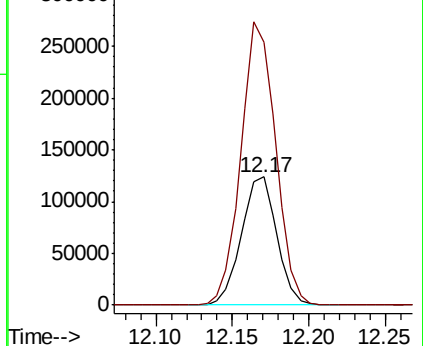
106 100

91 205.3 149.0 276.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 23.890 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW015579.D

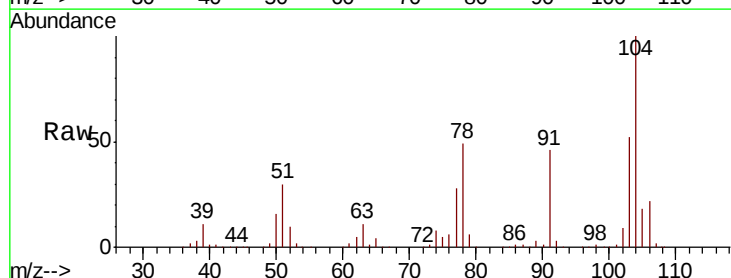
Acq: 11 Jun 2020 10:25

Tgt Ion:104 Resp: 337426

Ion Ratio Lower Upper

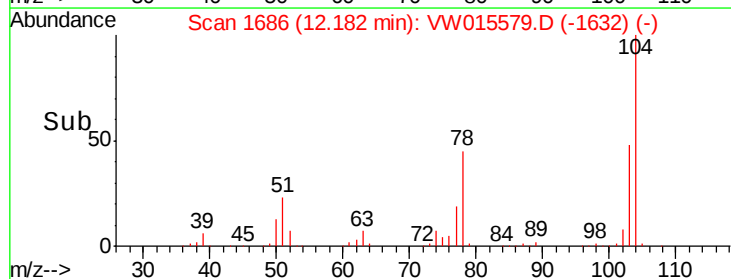
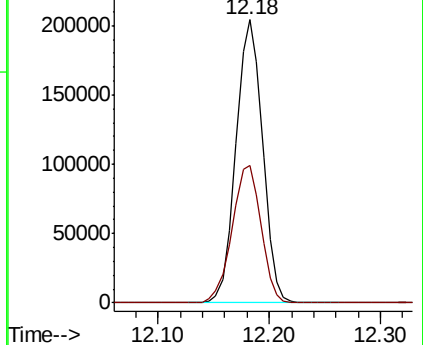
104 100

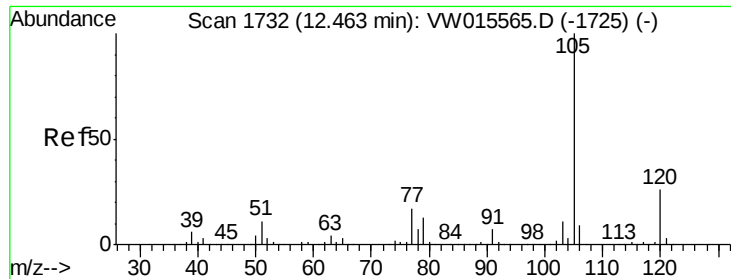
78 48.7 32.9 61.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 23.936 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015579.D

Acq: 11 Jun 2020 10:25

Instrument :

MSVOA_W

ClientSampleID :

VSTD02527

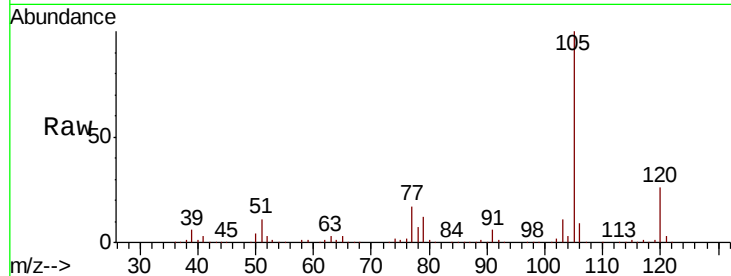
Tot Ion:105 Resp: 551150

Ion Ratio Lower Upper

105 100

120 26.8 21.0 31.4

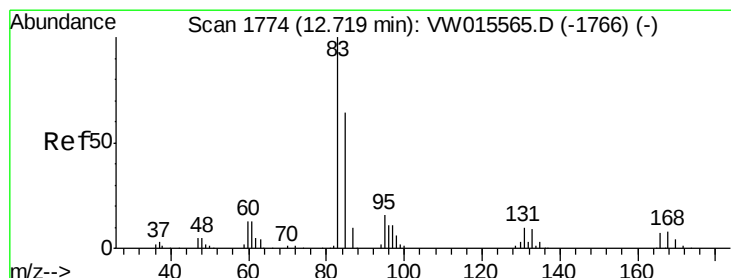
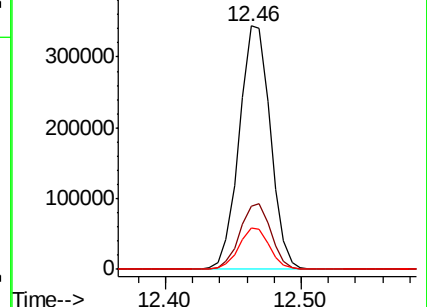
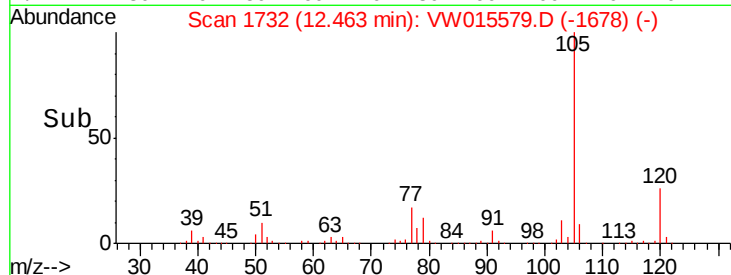
77 16.5 13.0 19.6



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: 24.811 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015579.D

Acq: 11 Jun 2020 10:25

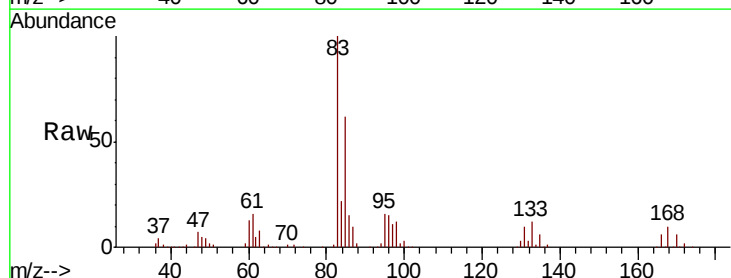
Tgt Ion: 83 Resp: 91804

Ion Ratio Lower Upper

83 100

85 61.8 44.7 82.9

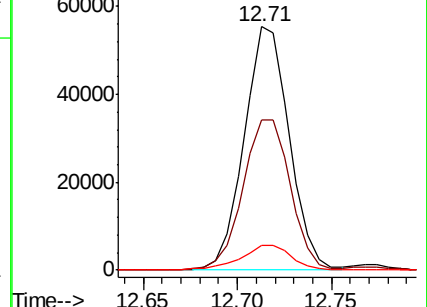
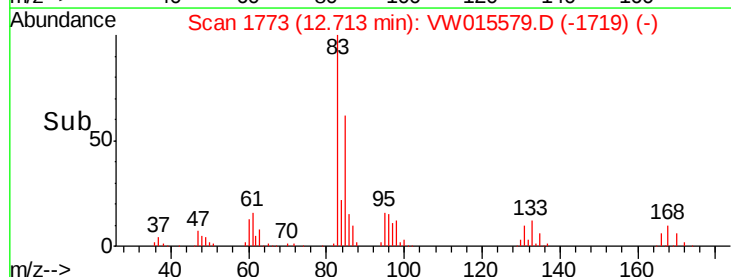
131 10.3 9.1 13.7

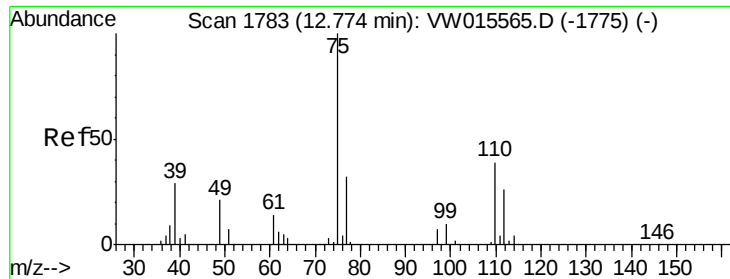


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

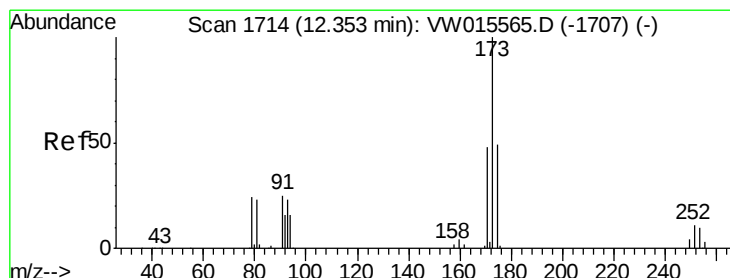
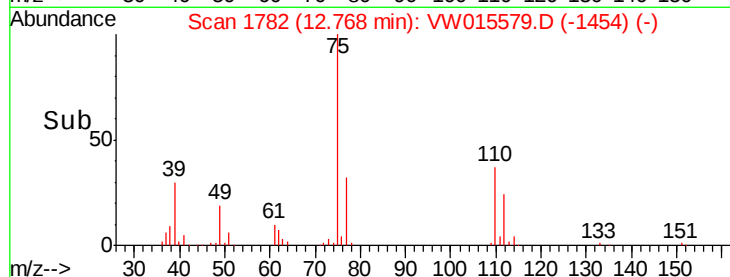
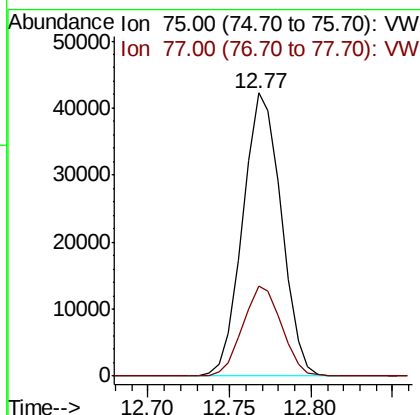
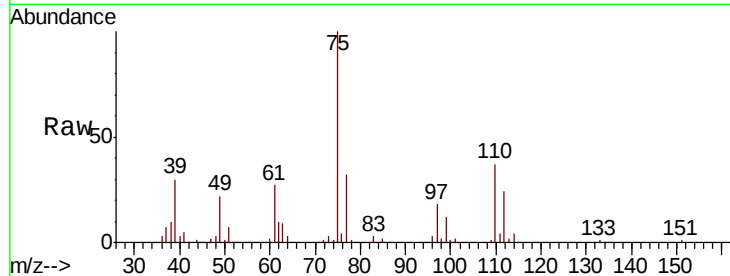




#59
 1,2,3-Trichloropropane
 Concen: 24.824 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW015579.D
 Acq: 11 Jun 2020 10:25

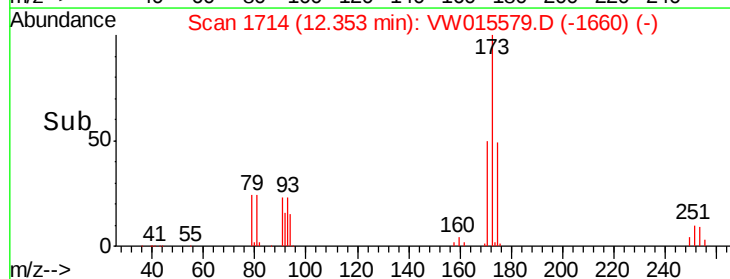
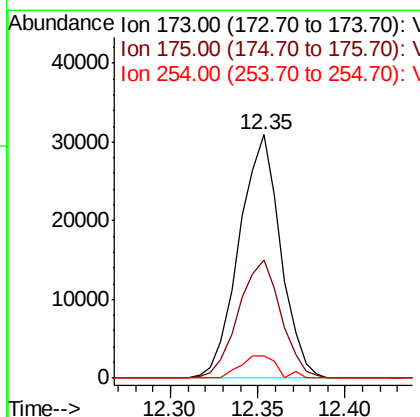
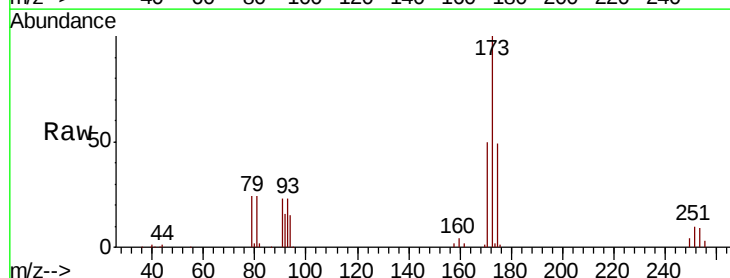
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

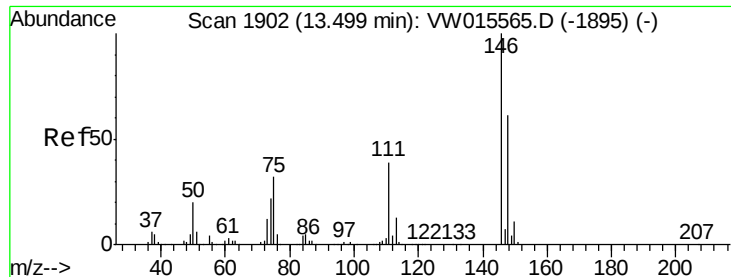
Tot Ion: 75 Resp: 69645
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.9 38.9



#62
 Bromoform
 Concen: 22.501 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: VW015579.D
 Acq: 11 Jun 2020 10:25

Tgt Ion: 173 Resp: 50957
 Ion Ratio Lower Upper
 173 100
 175 49.7 37.9 56.9
 254 7.6 6.8 10.2

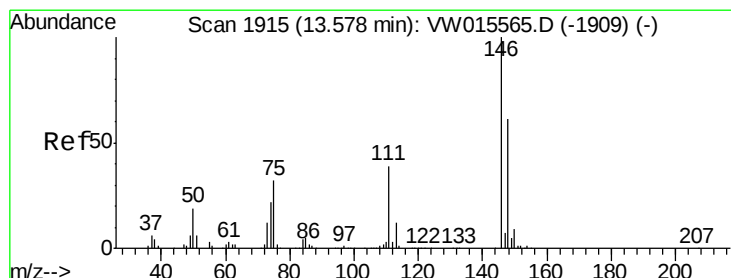
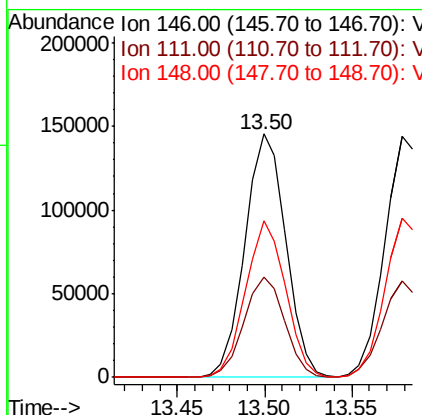
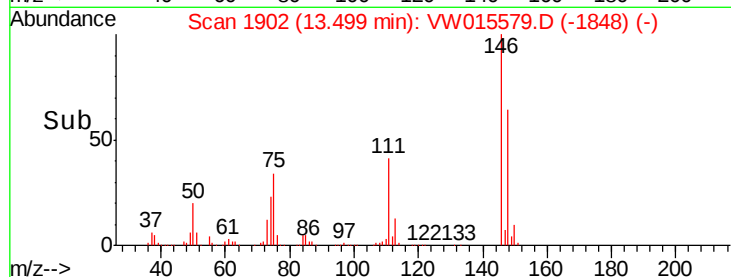
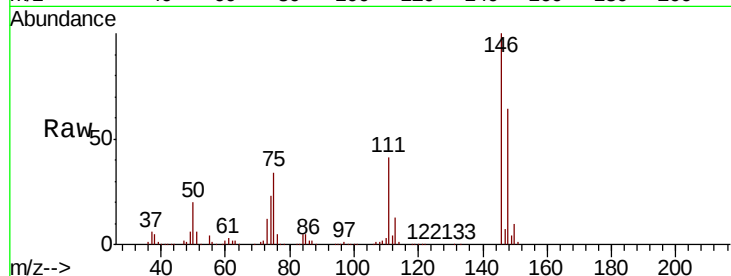




#63
 1,3-Dichlorobenzene
 Concen: 23.812 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015579.D
 Acq: 11 Jun 2020 10:25

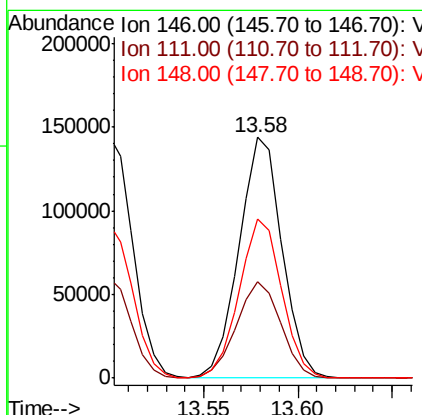
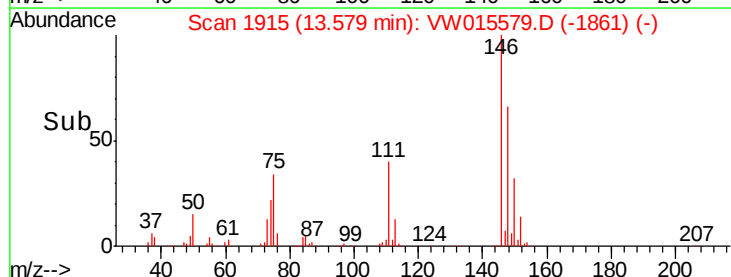
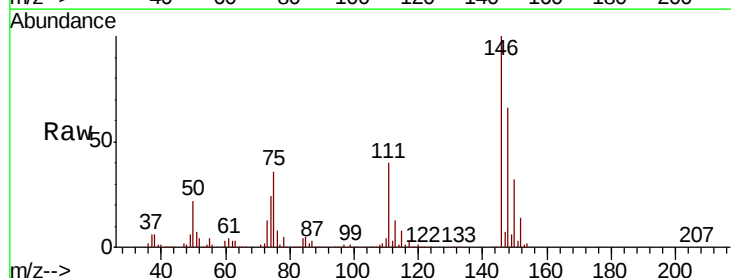
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

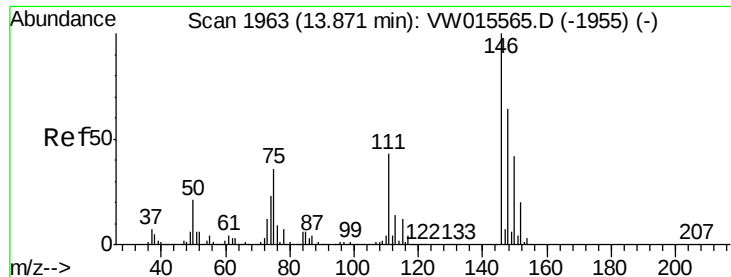
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	29.3	54.5
148	64.2	42.5	78.9



#64
 1,4-Dichlorobenzene
 Concen: 23.380 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015579.D
 Acq: 11 Jun 2020 10:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	28.1	52.1
148	66.0	43.3	80.3

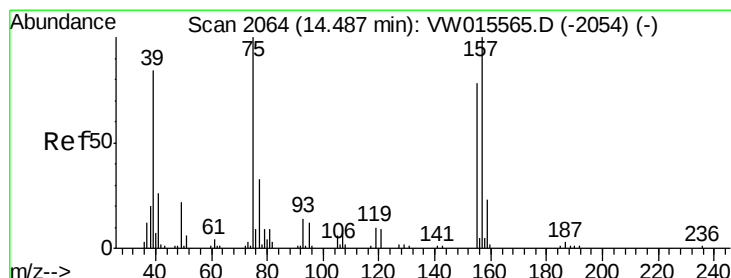
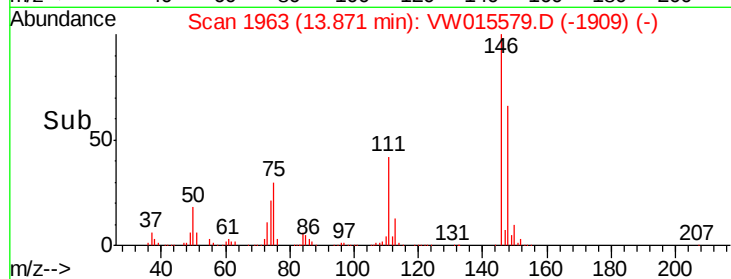
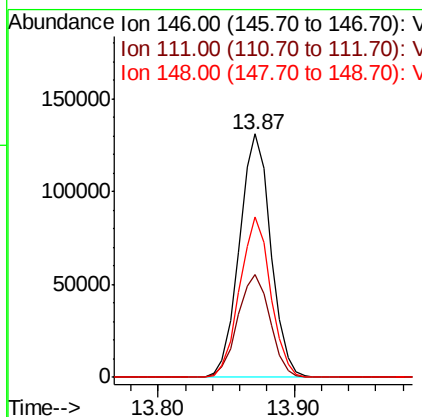
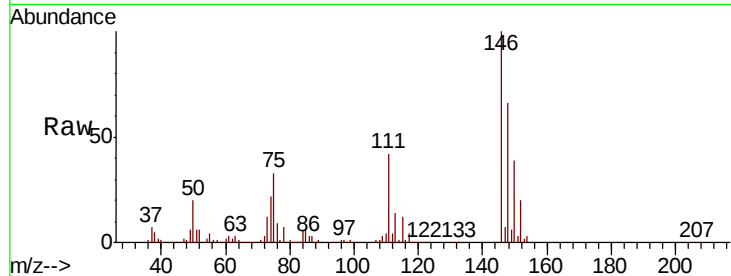




#65
 1,2-Dichlorobenzene
 Concen: 24.414 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015579.D
 Acq: 11 Jun 2020 10:25

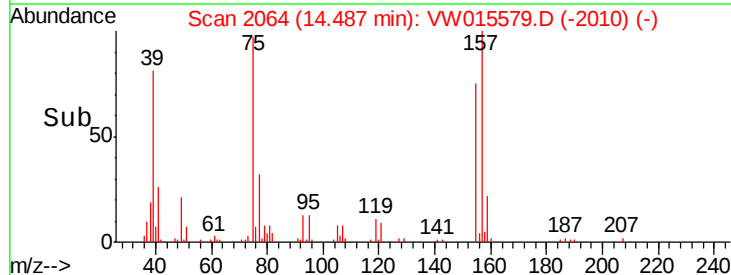
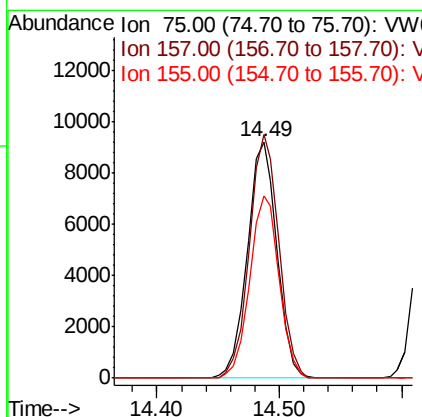
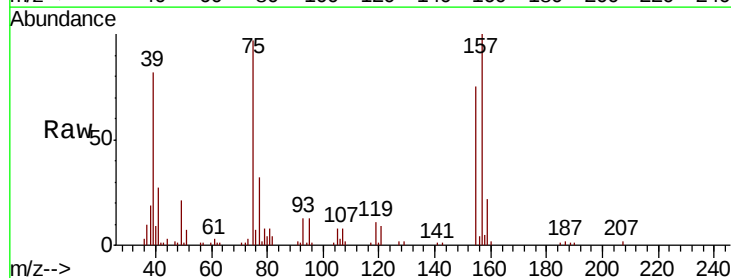
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

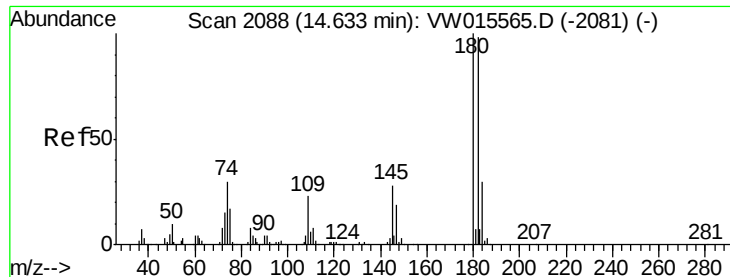
Tot Ion:146 Resp: 211008
 Ion Ratio Lower Upper
 146 100
 111 42.2 34.9 52.3
 148 65.7 51.8 77.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.564 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW015579.D
 Acq: 11 Jun 2020 10:25

Tgt Ion: 75 Resp: 15450
 Ion Ratio Lower Upper
 75 100
 157 103.1 87.4 131.0
 155 77.4 64.6 96.8

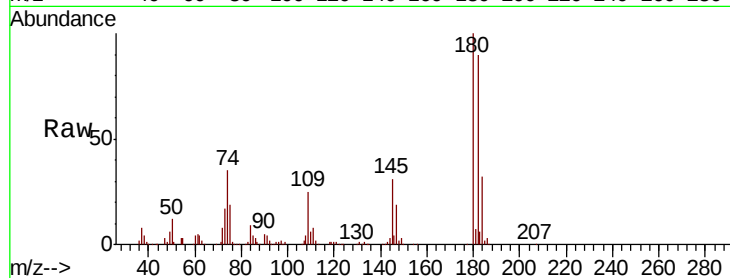




#67
 1,3,5-Trichlorobenzene
 Concen: 24.571 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW015579.D
 Acq: 11 Jun 2020 10:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.6	114.8
184	30.9	24.4	36.6
145	30.0	24.0	36.0



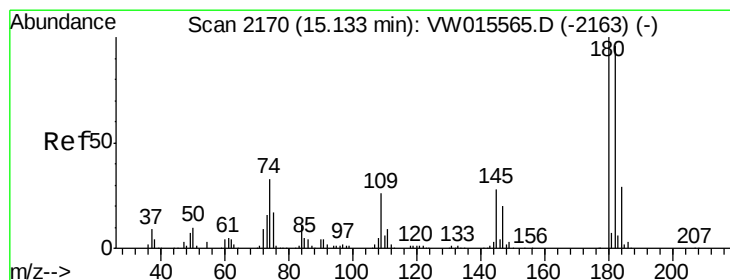
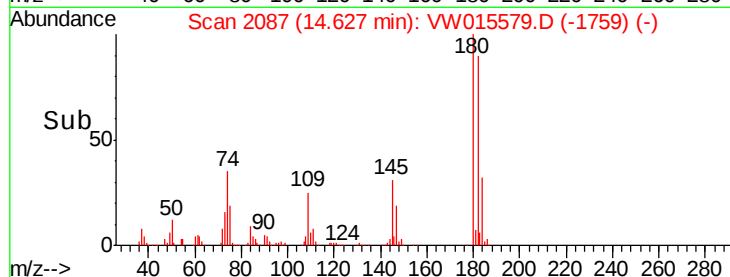
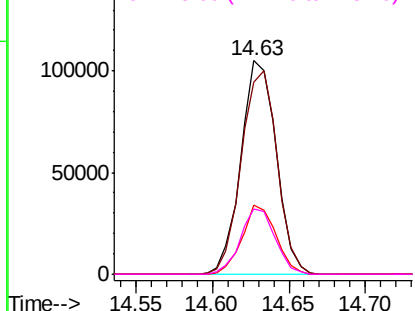
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

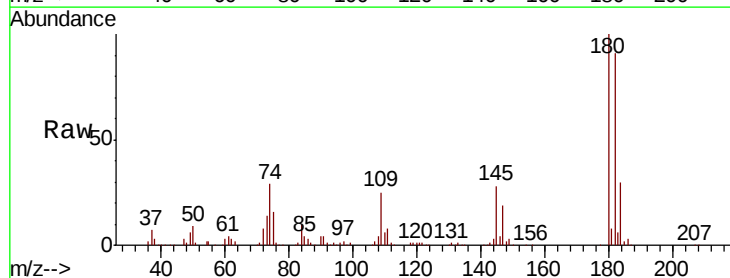
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.793 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW015579.D
 Acq: 11 Jun 2020 10:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.1	114.1
145	30.2	25.2	37.8

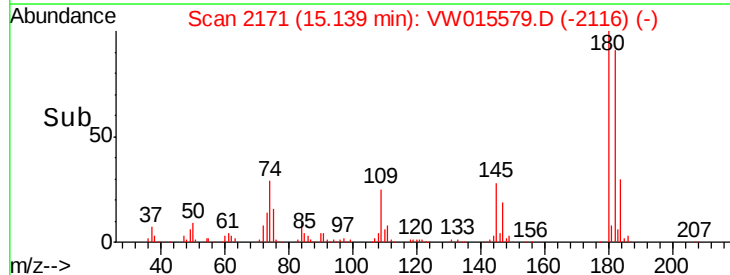
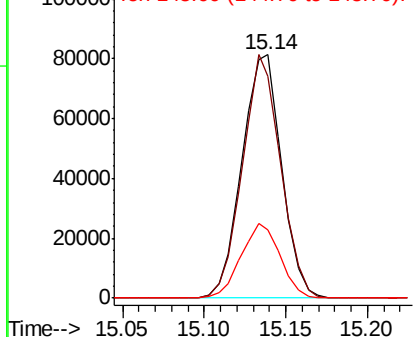


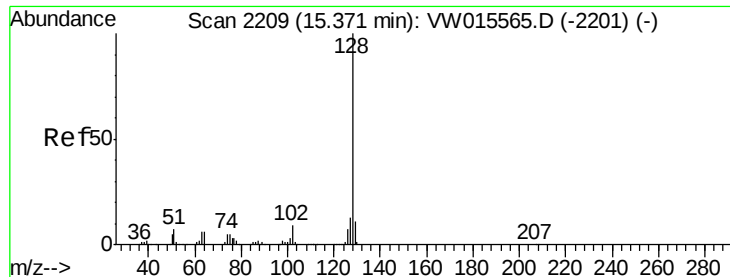
Abundance

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: 25.013 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW015579.D

Acq: 11 Jun 2020 10:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

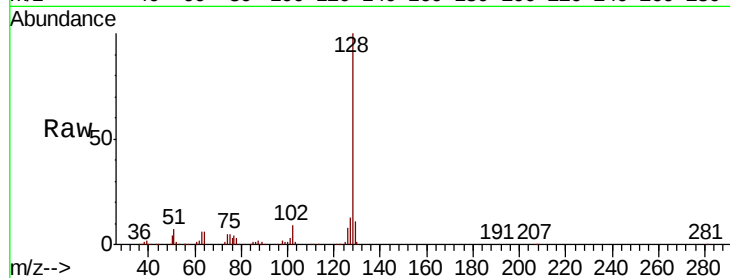
Tot Ion:128 Resp: 251881

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

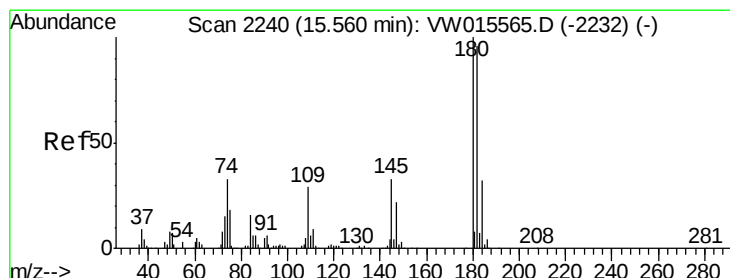
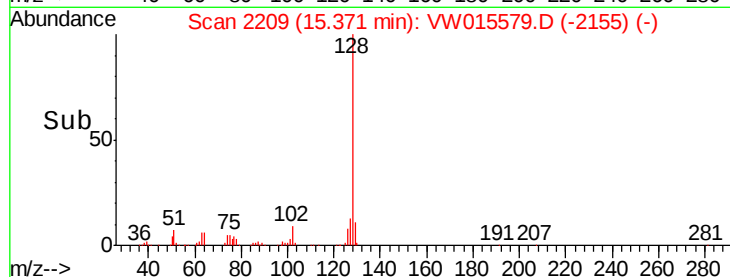
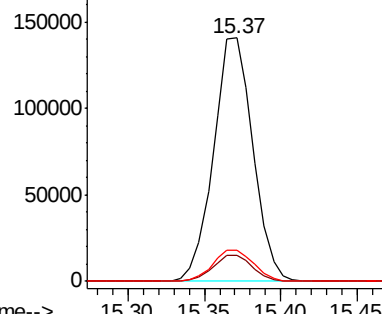
127 13.3 10.6 15.8



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: 24.685 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW015579.D

Acq: 11 Jun 2020 10:25

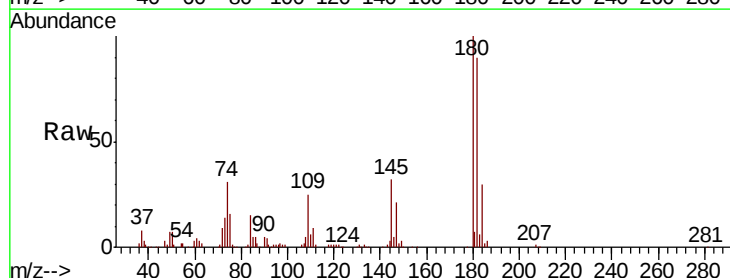
Tgt Ion:180 Resp: 116466

Ion Ratio Lower Upper

180 100

182 95.9 75.4 113.2

145 33.5 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

