

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070220\
 Data File : VW015780.D
 Acq On : 02 Jul 2020 18:05
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.02G/10ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

Quant Time: Jul 06 01:37:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062920S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jul 06 01:14:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	287090	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	274716	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	141768	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	100751	21.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.44%
7) Chloroethane-d5	2.90	69	86766	22.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.16%
10) 1,1-Dichloroethene-d2	4.02	63	188057	22.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.88%
20) 2-Butanone-d5	7.08	46	63163	64.22	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	128.44%
24) Chloroform-d	7.65	84	200541	25.06	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.24%
26) 1,2-Dichloroethane-d4	8.31	65	118849	26.11	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.44%
29) Benzene-d6	8.28	84	385138	23.51	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.04%
33) 1,2-Dichloropropane-d6	9.28	67	116650	24.05	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.20%
37) Toluene-d8	10.32	98	354866	23.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.12%
38) trans-1,3-Dichloropropene-	10.58	79	53058	24.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.80%
39) 2-Hexanone-d5	10.93	63	49984	63.25	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	126.50%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	108344	29.14	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	116.56%
61) 1,2-Dichlorobenzene-d4	13.86	152	136969	24.92	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.68%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	70269	25.959	ug/L	99
3) Chloromethane	2.21	50	68433	23.492	ug/L	98
5) Vinyl chloride	2.37	62	116701	26.748	ug/L	98
6) Bromomethane	2.79	94	74675	25.833	ug/L	98
8) Chloroethane	2.93	64	72337	26.574	ug/L	98
9) Trichlorofluoromethane	3.26	101	79315	24.861	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	93402	27.003	ug/L	99
12) 1,1-Dichloroethene	4.04	96	87375	26.168	ug/L	91
13) Acetone	4.13	43	46968	56.986	ug/L	98
14) Carbon disulfide	4.39	76	263555	25.418	ug/L	98
15) Methyl Acetate	4.67	43	47915	32.451	ug/L #	79
16) Methylene chloride	4.92	84	110739	26.289	ug/L	100
17) Methyl tert-butyl Ether	5.43	73	145544	28.447	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	96365	26.884	ug/L	100
19) 1,1-Dichloroethane	6.22	63	175031	27.083	ug/L	99
21) 2-Butanone	7.18	43	65480	64.265	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	104056	28.082	ug/L	99

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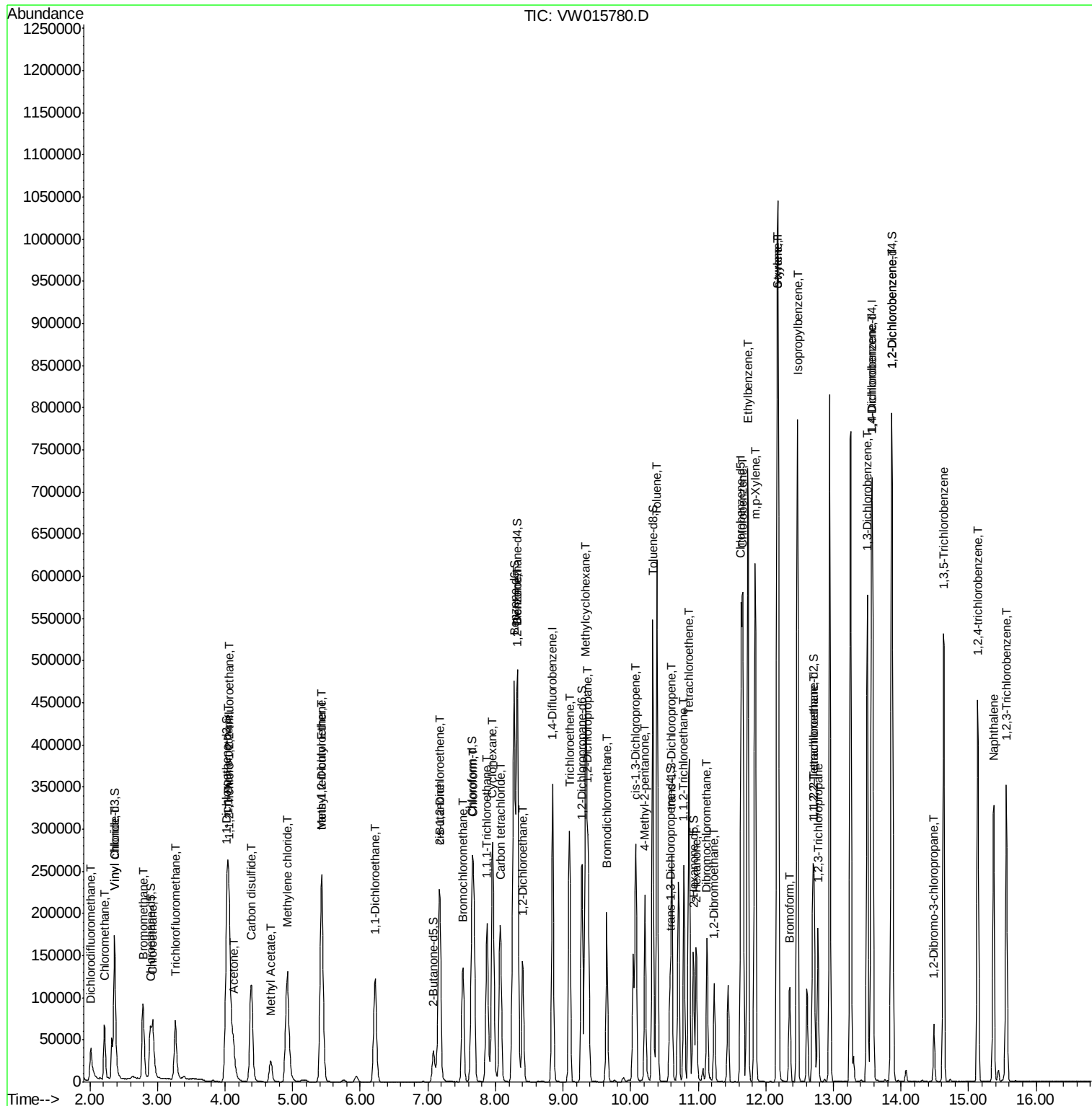
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	47075	28.843	ug/L	91
25) Chloroform	7.68	83	184174	28.213	ug/L	100
27) 1,2-Dichloroethane	8.40	62	133256	29.522	ug/L	100
30) Cyclohexane	7.96	56	156788	25.306	ug/L	100
31) 1,1,1-Trichloroethane	7.88	97	149957	25.220	ug/L	97
32) Carbon tetrachloride	8.07	117	139278	25.918	ug/L	98
34) Benzene	8.32	78	400773	26.564	ug/L	100
35) Trichloroethene	9.09	95	104438	25.959	ug/L	99
36) Methylcyclohexane	9.34	83	179953	25.933	ug/L	99
40) 1,2-Dichloropropane	9.37	63	99468	27.088	ug/L	99
41) Bromodichloromethane	9.65	83	130634	27.381	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	155751	27.172	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	139093	64.924	ug/L	99
44) Toluene	10.39	91	438158	26.732	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	139628	27.986	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	77505	29.238	ug/L	99
47) Tetrachloroethene	10.87	164	82391	25.485	ug/L	94
49) 2-Hexanone	10.97	43	97321	64.486	ug/L	99
50) Dibromochloromethane	11.13	129	87508	28.201	ug/L	96
51) 1,2-Dibromoethane	11.24	107	76575	29.800	ug/L	98
52) Chlorobenzene	11.66	112	278229	27.006	ug/L	99
53) Ethylbenzene	11.73	91	503096	27.147	ug/L	97
54) m,p-Xylene	11.84	106	189254	27.321	ug/L	95
55) o-xylene	12.17	106	180947	27.332	ug/L	98
56) Styrene	12.18	104	317457	28.249	ug/L	100
57) Isopropylbenzene	12.47	105	500989	27.397	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	98788	31.317	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	75385	31.643	ug/L	98
62) Bromoform	12.35	173	50115	27.556	ug/L #	96
63) 1,3-Dichlorobenzene	13.50	146	222528	26.462	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	223171	26.640	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	207106	27.854	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	16459	30.906	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	157600	27.327	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	134006	28.797	ug/L	99
69) Naphthalene	15.37	128	271954	31.942	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	119111	29.606	ug/L	99

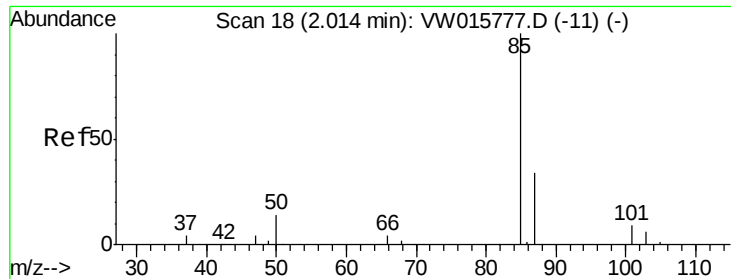
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#2

Dichlorodifluoromethane

Concen: 25.959 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015780.D

Acq: 02 Jul 2020 18:05

Instrument :

MSVOA_W

ClientSampleId :

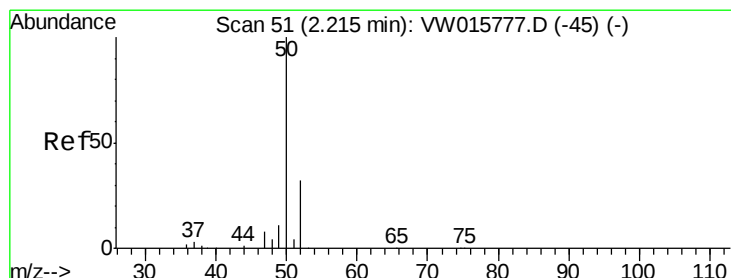
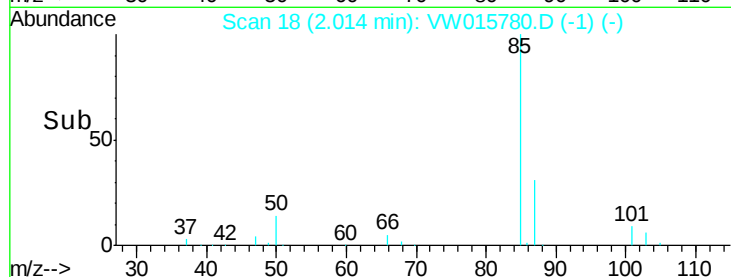
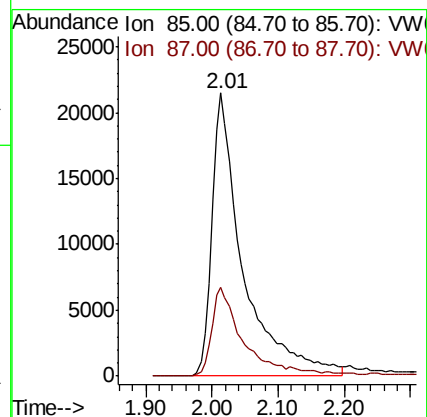
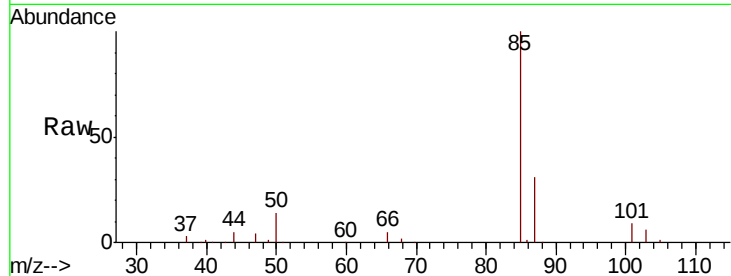
VSTD02521

Tot Ion: 85 Resp: 70269

Ion Ratio Lower Upper

85 100

87 29.5 21.1 39.1



#3

Chloromethane

Concen: 23.492 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015780.D

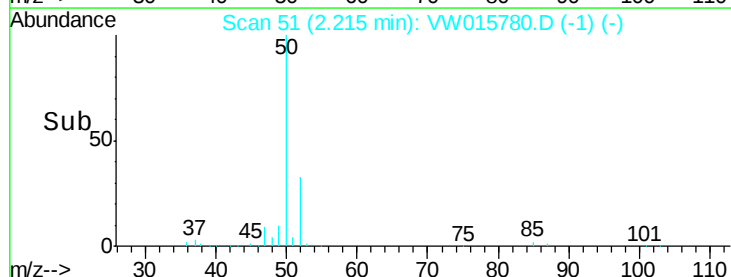
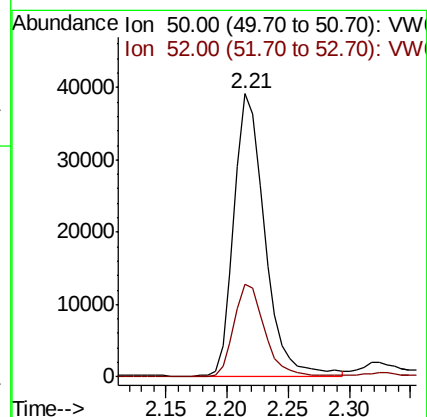
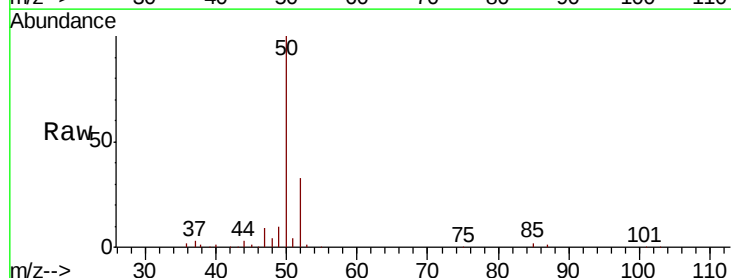
Acq: 02 Jul 2020 18:05

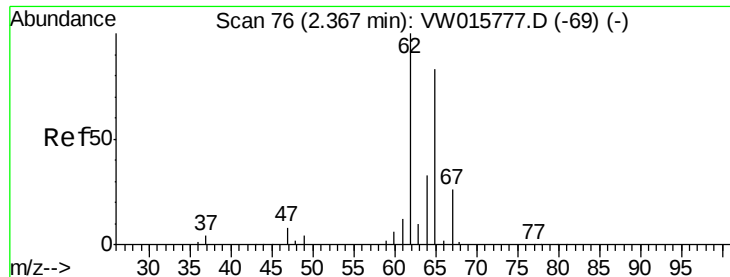
Tgt Ion: 50 Resp: 68433

Ion Ratio Lower Upper

50 100

52 32.6 23.7 44.1





#5

Vinyl chloride

Concen: 26.748 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015780.D

Acq: 02 Jul 2020 18:05

Instrument :

MSVOA_W

ClientSampleId :

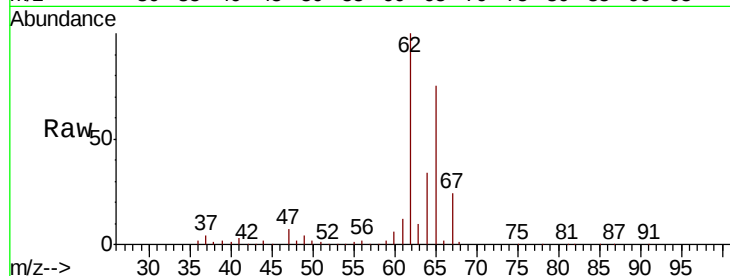
VSTD02521

Tot Ion: 62 Resp: 116701

Ion Ratio Lower Upper

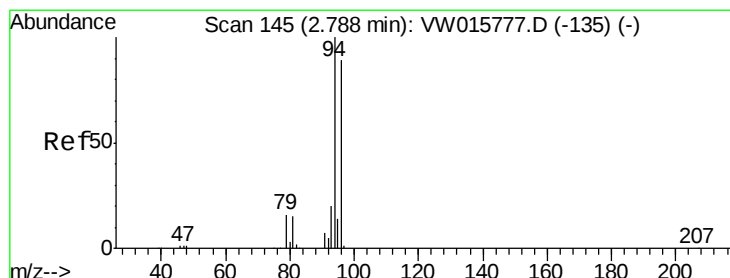
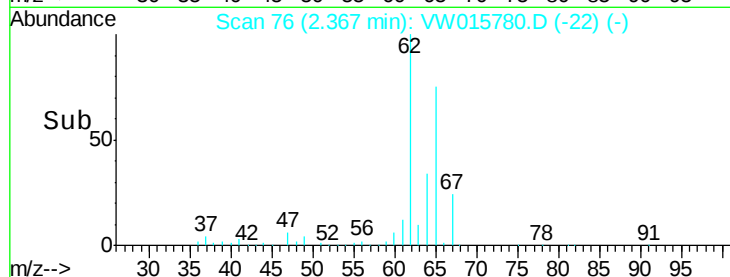
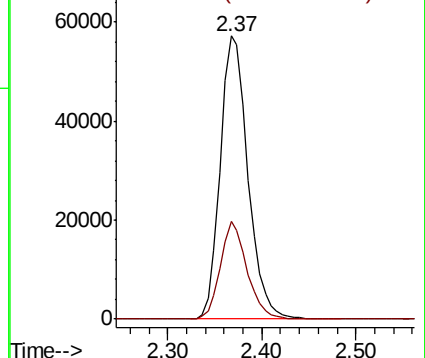
62 100

64 34.4 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 25.833 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW015780.D

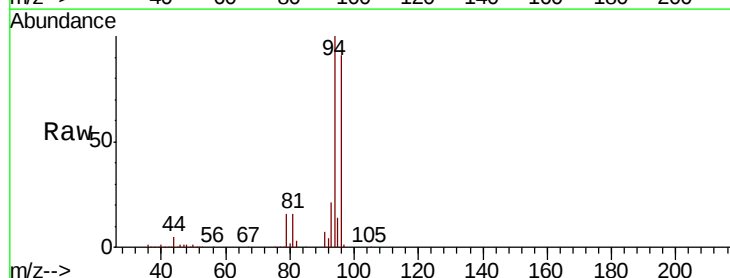
Acq: 02 Jul 2020 18:05

Tgt Ion: 94 Resp: 74675

Ion Ratio Lower Upper

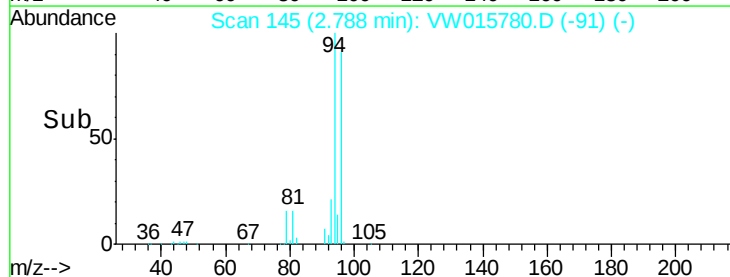
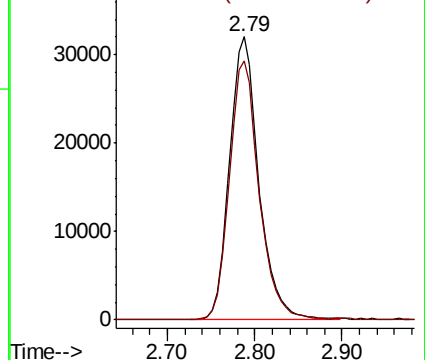
94 100

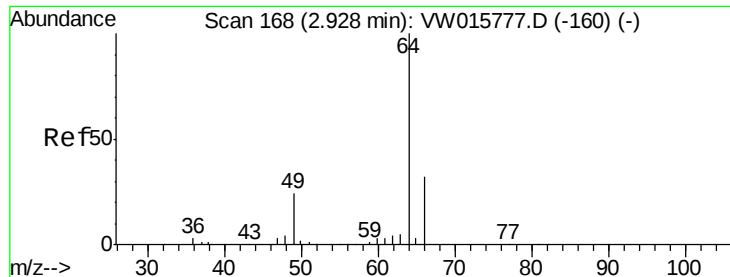
96 92.5 9.4 179.2



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW

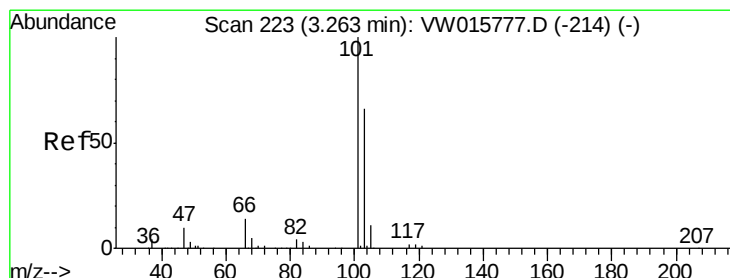
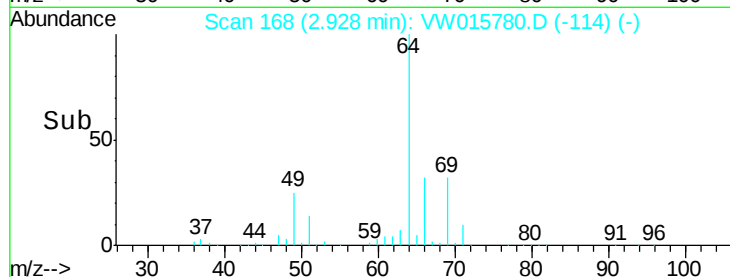
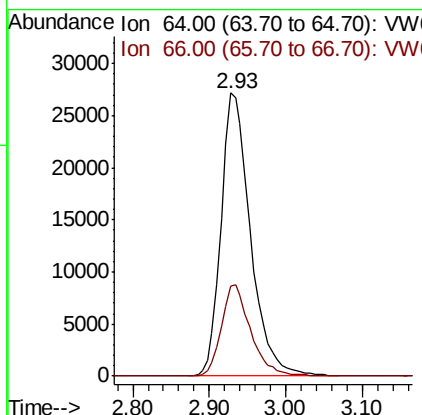
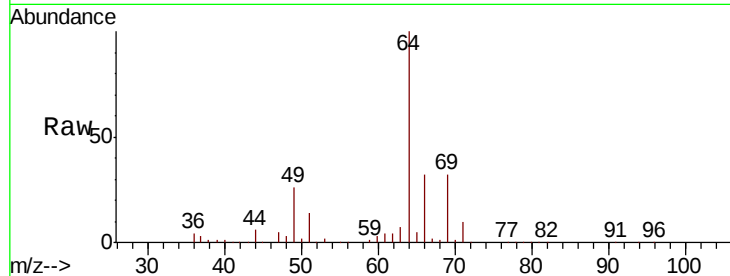




#8
 Chloroethane
 Concen: 26.574 ug/L
 RT: 2.93 min Scan# 168
 Delta R.T. -0.00 min
 Lab File: VW015780.D
 Acq: 02 Jul 2020 18:05

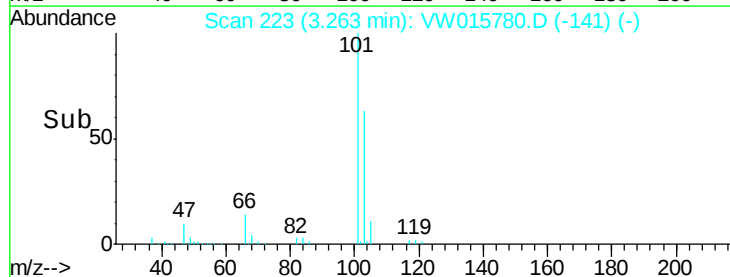
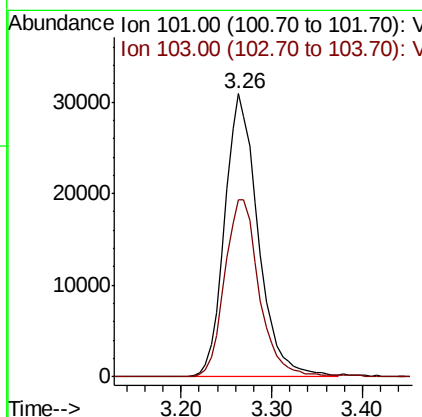
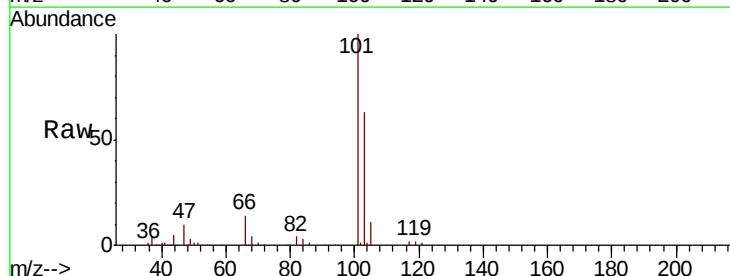
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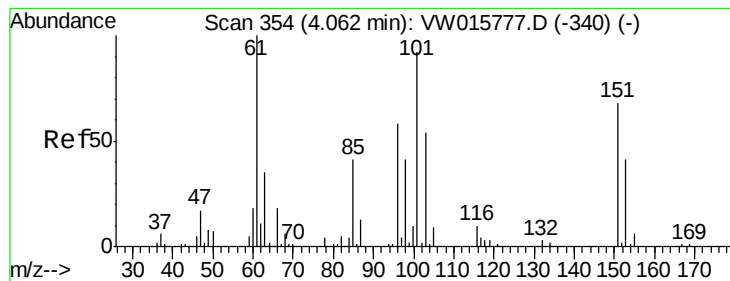
Tot Ion: 64 Resp: 72337
 Ion Ratio Lower Upper
 64 100
 66 31.9 21.6 40.2



#9
 Trichlorofluoromethane
 Concen: 24.861 ug/L
 RT: 3.26 min Scan# 223
 Delta R.T. -0.00 min
 Lab File: VW015780.D
 Acq: 02 Jul 2020 18:05

Tgt Ion: 101 Resp: 79315
 Ion Ratio Lower Upper
 101 100
 103 64.0 44.4 82.4





#11

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

Concen: 27.003 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW015780.D

Acq: 02 Jul 2020 18:05

Instrument :

MSVOA_W

ClientSampled :

VSTD02521

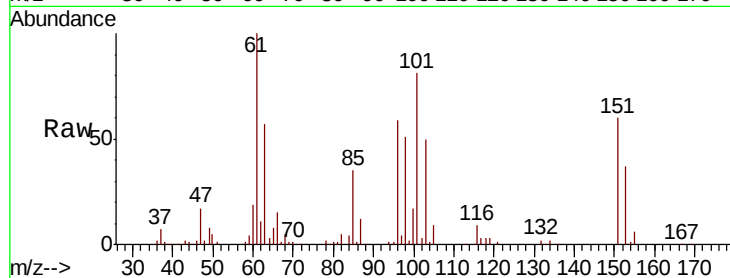
Tot Ion:101 Resp: 93402

Ion Ratio Lower Upper

101 100

85 44.0 34.4 51.6

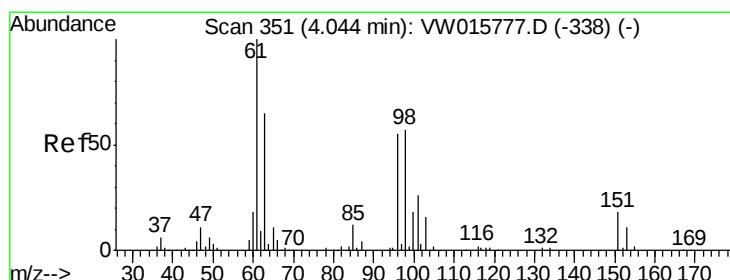
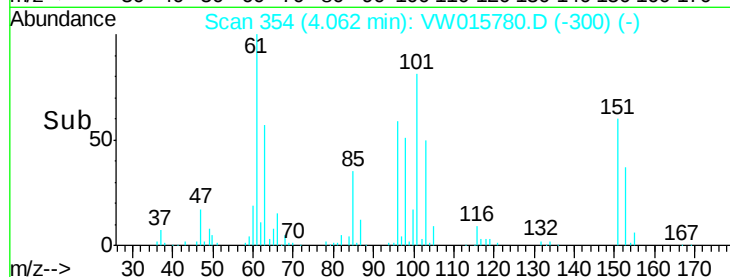
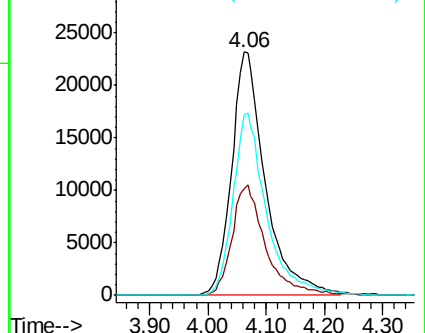
151 73.9 58.6 88.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 26.168 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW015780.D

Acq: 02 Jul 2020 18:05

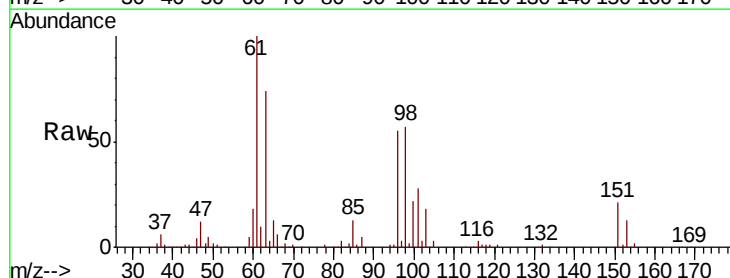
Tgt Ion: 96 Resp: 87375

Ion Ratio Lower Upper

96 100

61 182.0 128.0 237.6

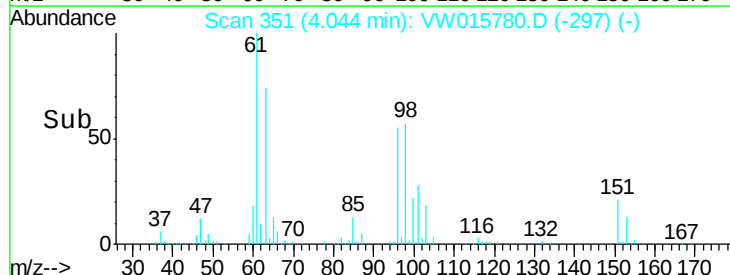
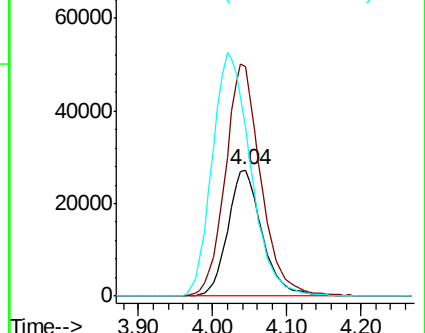
63 134.9 112.3 208.7

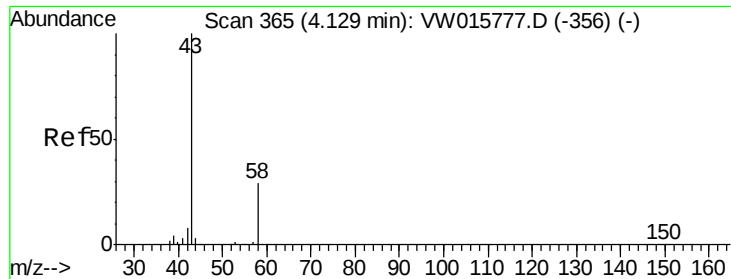


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 56.986 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW015780.D

Acq: 02 Jul 2020 18:05

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ClientSampleId :

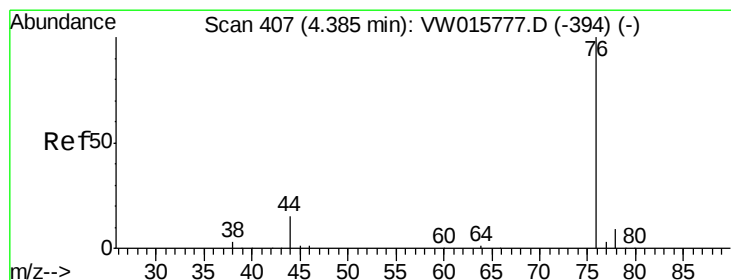
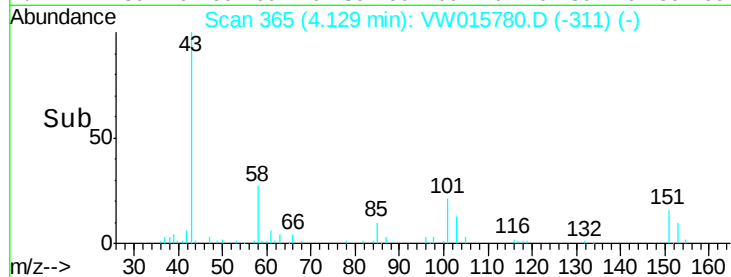
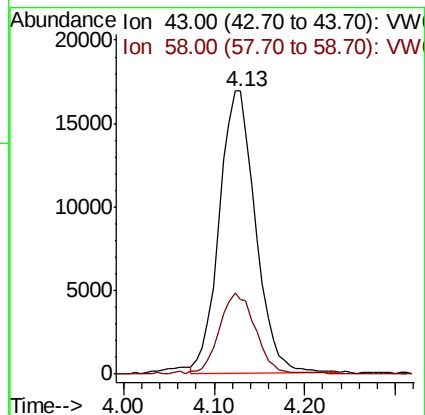
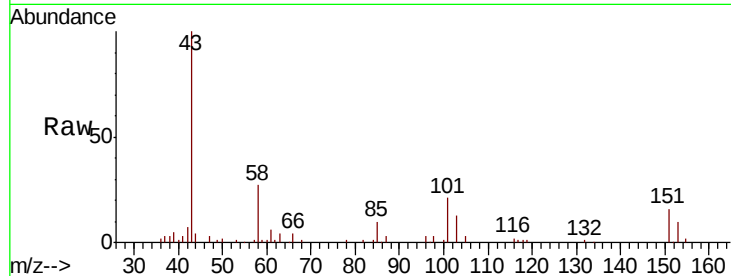
VSTD02521

Tot Ion: 43 Resp: 46968

Ion Ratio Lower Upper

43 100

58 28.6 0.0 59.4



#14

Carbon disulfide

Concen: 25.418 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

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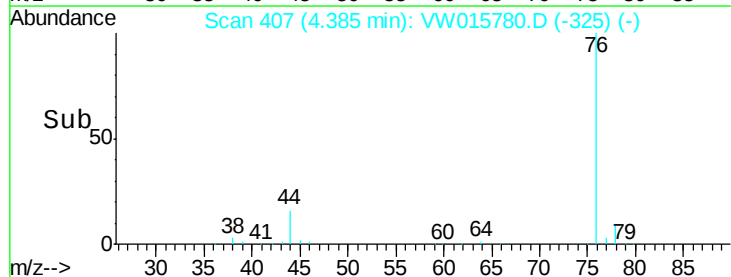
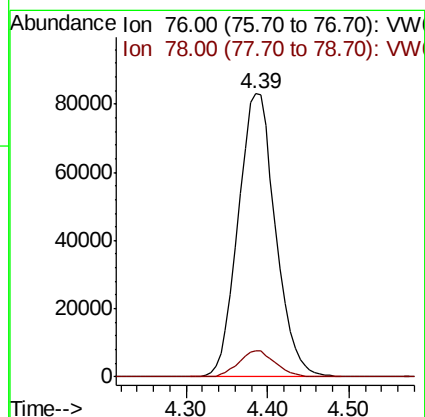
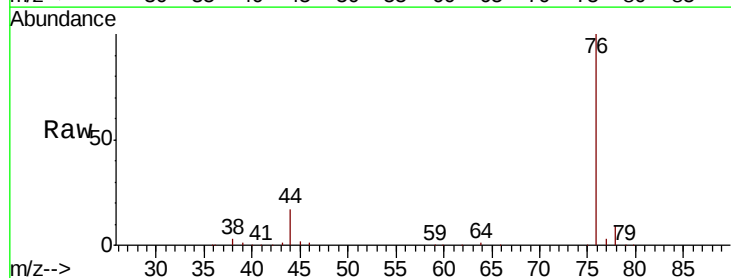
Acq: 02 Jul 2020 18:05

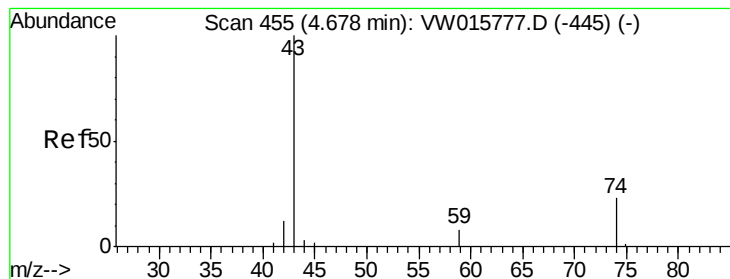
Tgt Ion: 76 Resp: 263555

Ion Ratio Lower Upper

76 100

78 9.4 6.9 10.3





#15

Methvl Acetate

Concen: 32.451 ug/L

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW015780.D

Acq: 02 Jul 2020 18:05

Instrument :

MSVOA_W

ClientSampleId :

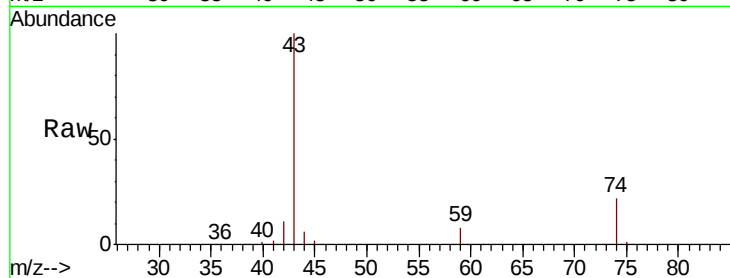
VSTD02521

Tot Ion: 43 Resp: 47915

Ion Ratio Lower Upper

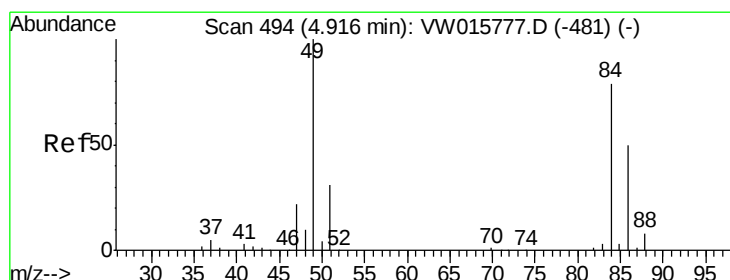
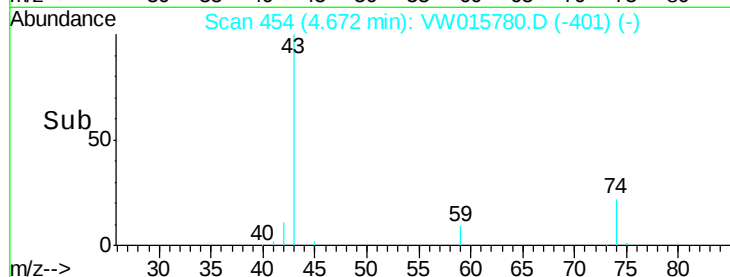
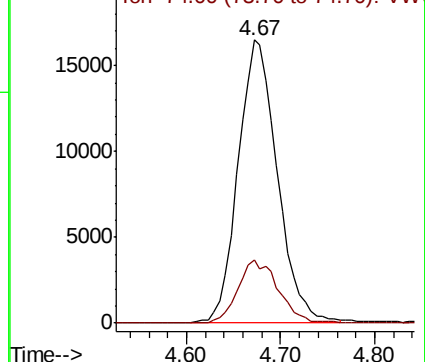
43 100

74 12.9 18.4 27.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 26.289 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW015780.D

Acq: 02 Jul 2020 18:05

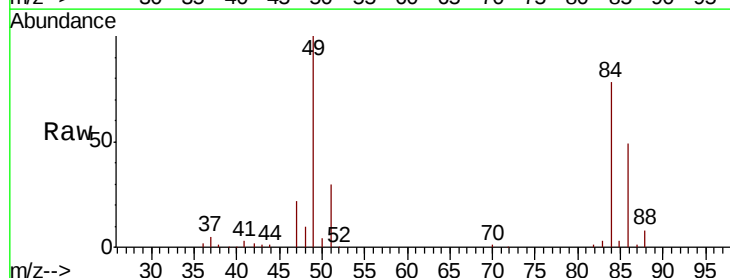
Tgt Ion: 84 Resp: 110739

Ion Ratio Lower Upper

84 100

49 128.2 90.0 167.2

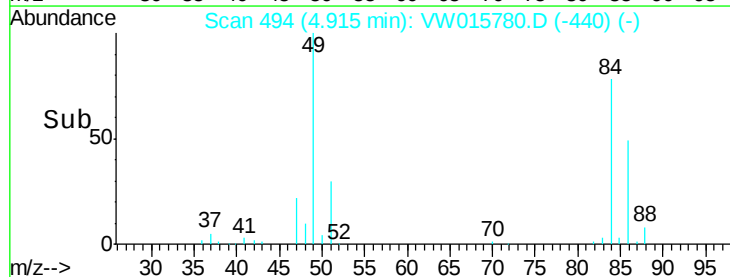
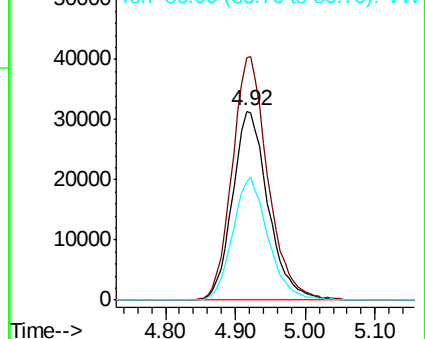
86 62.3 44.0 81.8

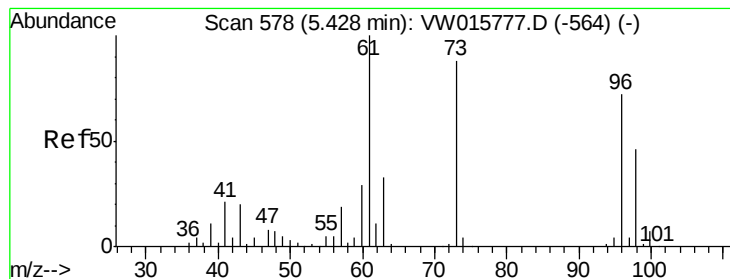


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW



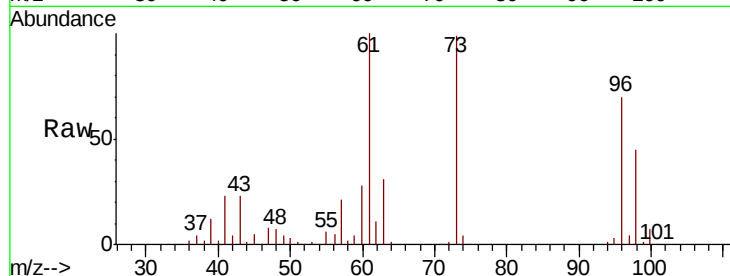


#17

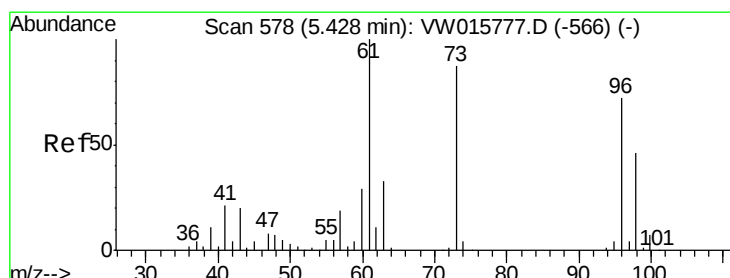
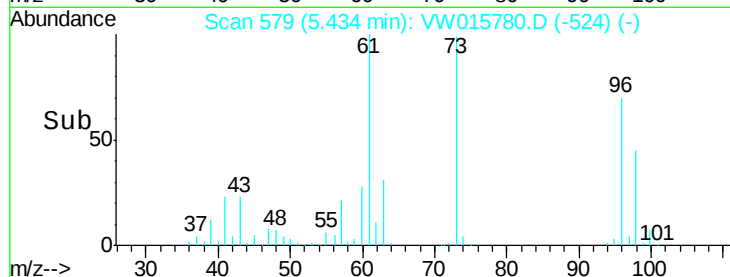
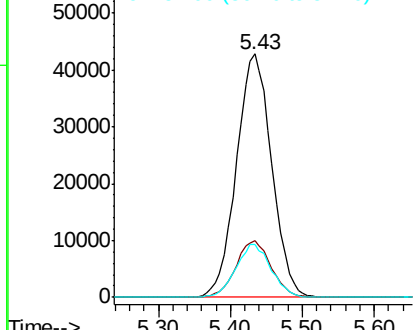
Methvl tert-butvl Ether
 Concen: 28.447 ug/L
 RT: 5.43 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: VW015780.D
 Acq: 02 Jul 2020 18:05

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02521

Tot Ion: 73 Resp: 145544
 Ion Ratio Lower Upper
 73 100
 43 23.3 19.0 28.4
 57 21.7 17.3 25.9



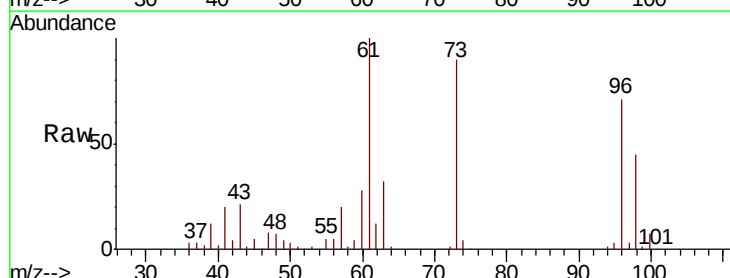
Abundance Ion 73.00 (72.70 to 73.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 57.00 (56.70 to 57.70): VW



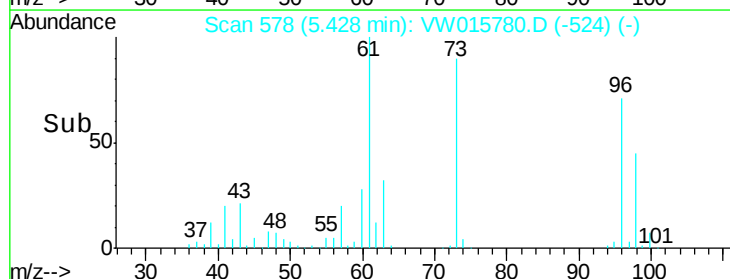
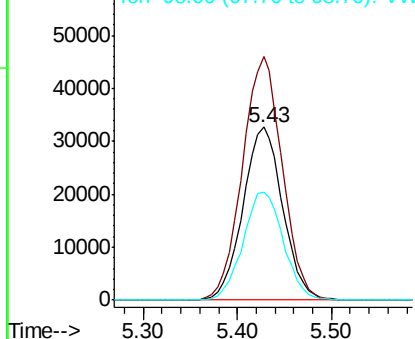
#18

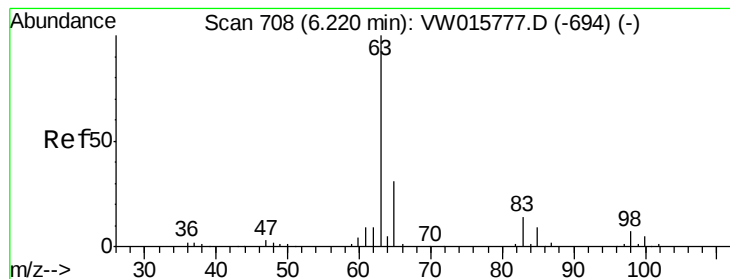
trans-1,2-Dichloroethene
 Concen: 26.884 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW015780.D
 Acq: 02 Jul 2020 18:05

Tgt Ion: 96 Resp: 96365
 Ion Ratio Lower Upper
 96 100
 61 141.1 98.5 182.9
 98 62.9 44.4 82.4



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: 27.083 ug/L

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW015780.D

Acq: 02 Jul 2020 18:05

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

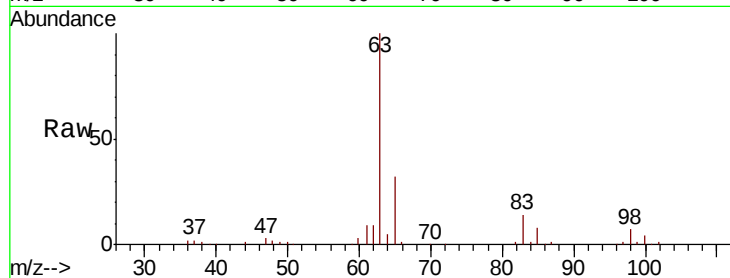
Tot Ion: 63 Resp: 175031

Ion Ratio Lower Upper

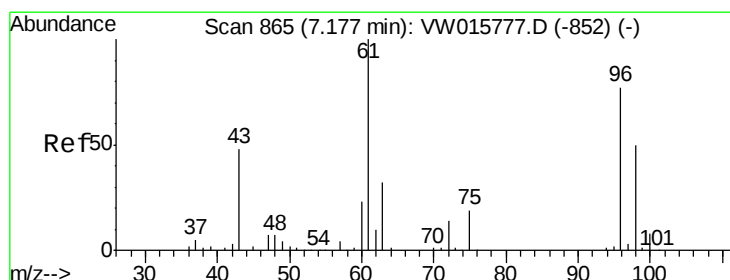
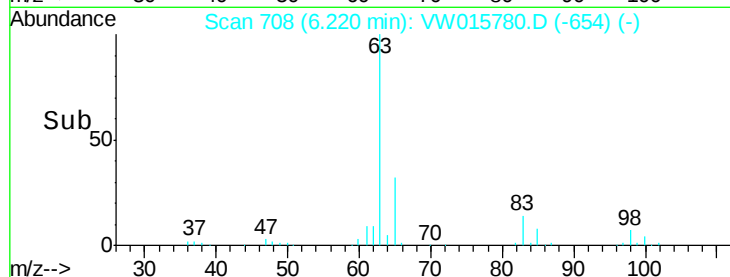
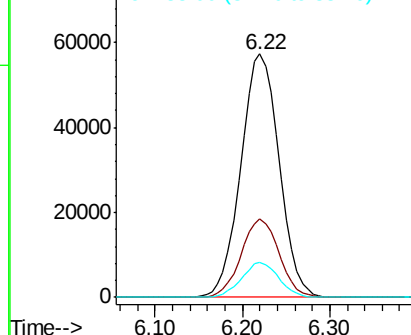
63 100

65 32.0 22.3 41.3

83 14.1 9.5 17.7



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: 64.265 ug/L

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW015780.D

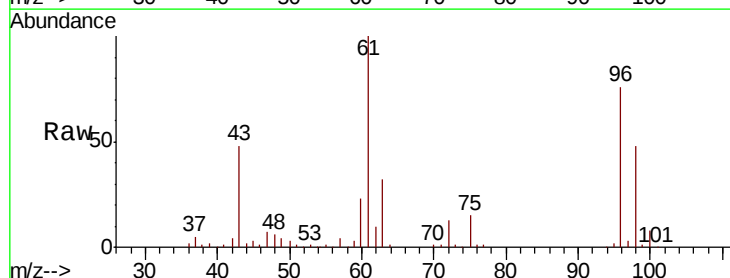
Acq: 02 Jul 2020 18:05

Tgt Ion: 43 Resp: 65480

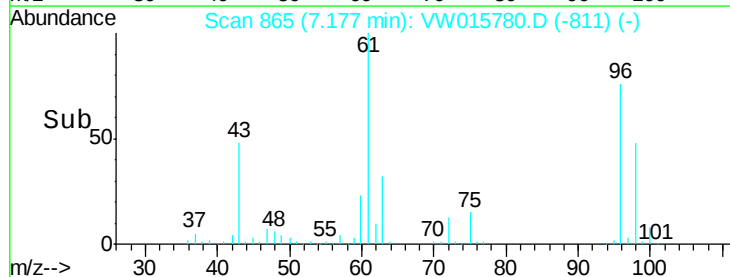
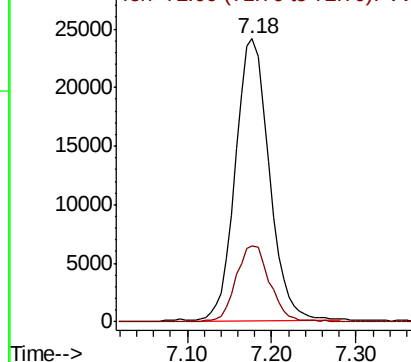
Ion Ratio Lower Upper

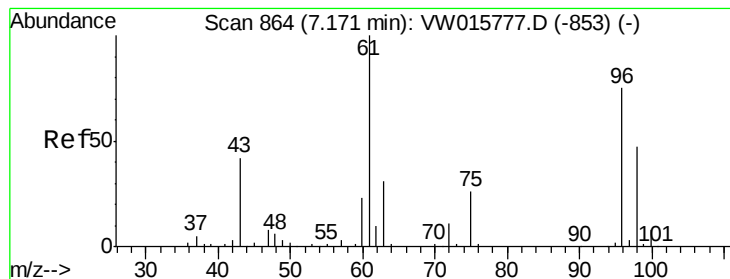
43 100

72 26.9 13.7 41.1



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



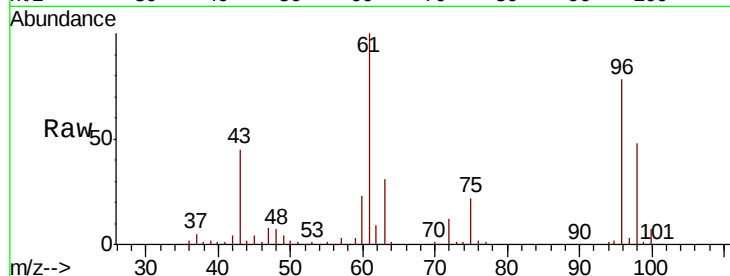


#22

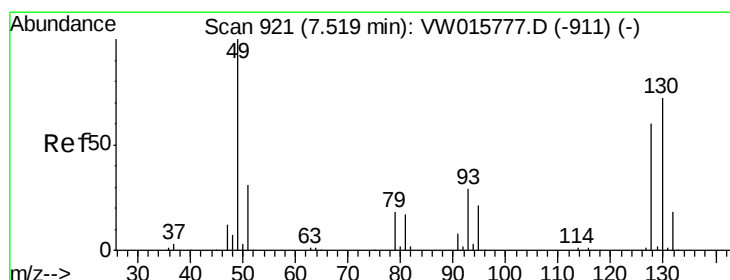
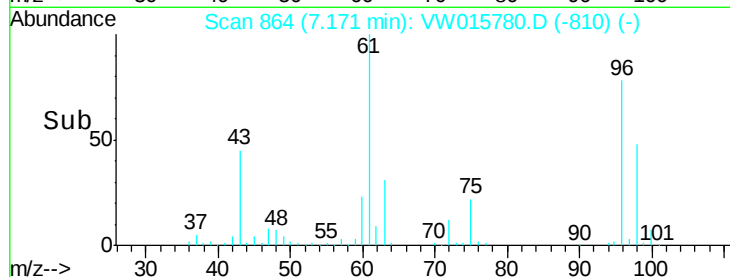
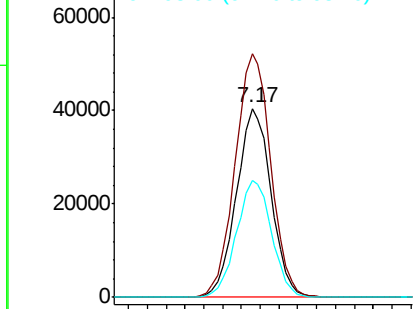
cis-1,2-Dichloroethene
 Concen: 28.082 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW015780.D
 Acq: 02 Jul 2020 18:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

Tot Ion: 96 Resp: 104056
 Ion Ratio Lower Upper
 96 100
 61 128.8 90.8 168.6
 98 62.0 44.1 81.9



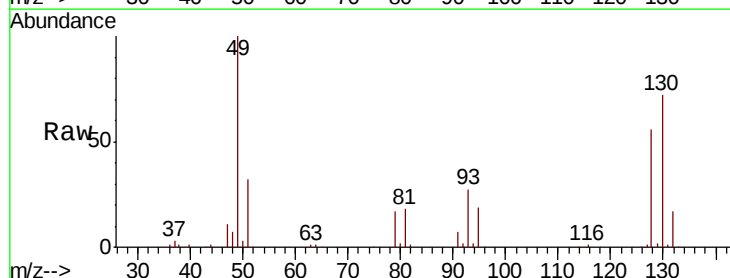
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



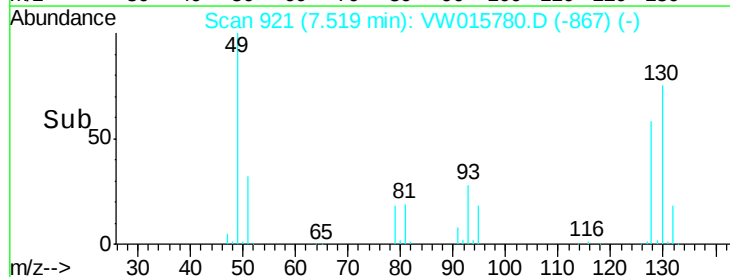
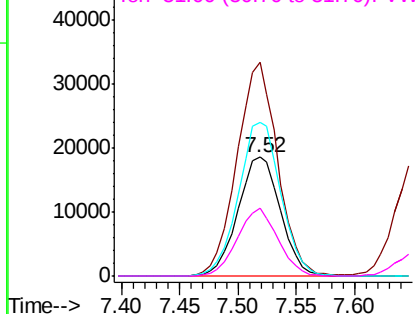
#23

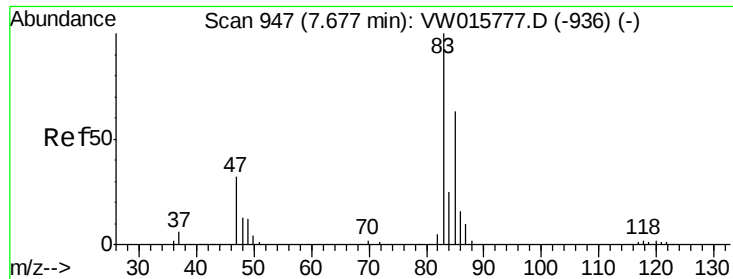
Bromochloromethane
 Concen: 28.843 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VW015780.D
 Acq: 02 Jul 2020 18:05

Tgt Ion: 128 Resp: 47075
 Ion Ratio Lower Upper
 128 100
 49 179.5 115.0 213.6
 130 128.6 85.1 158.1
 51 57.0 42.6 64.0



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VW
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VW

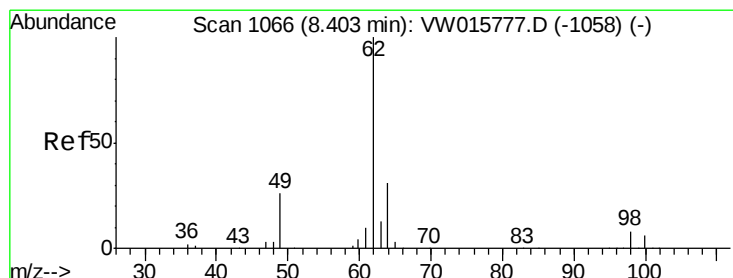
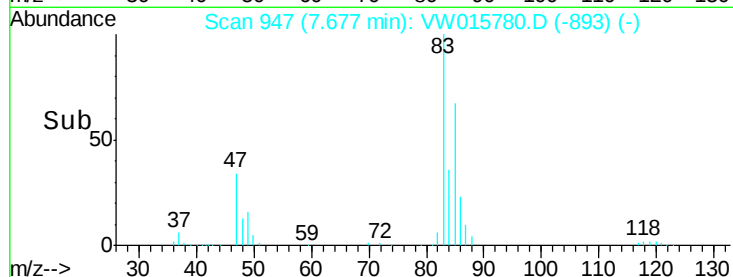
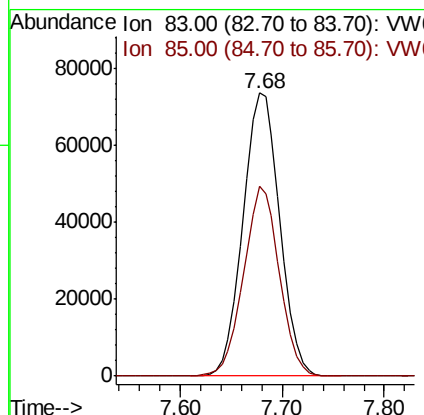
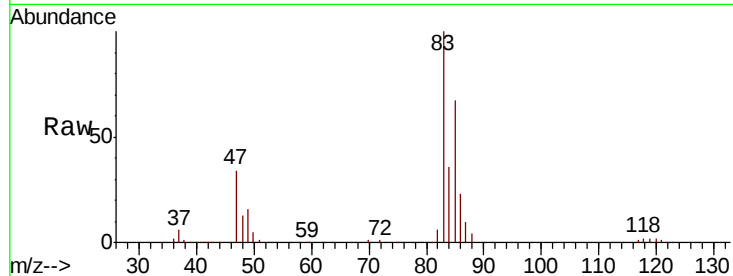




#25
Chloroform
Concen: 28.213 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW015780.D
Acq: 02 Jul 2020 18:05

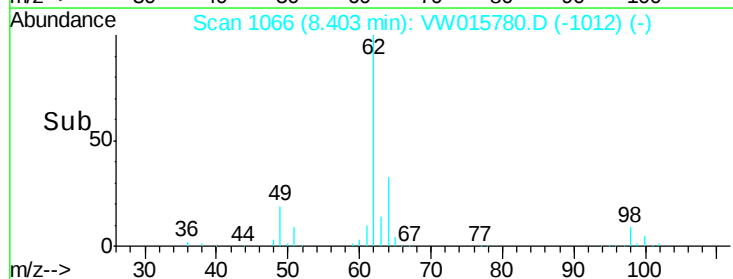
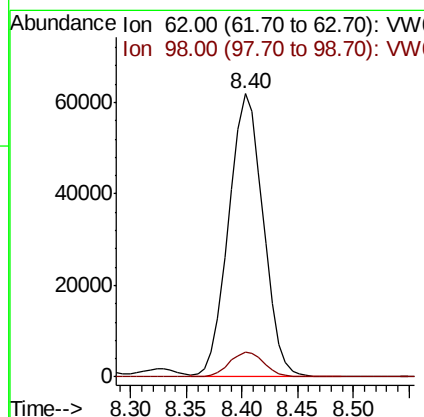
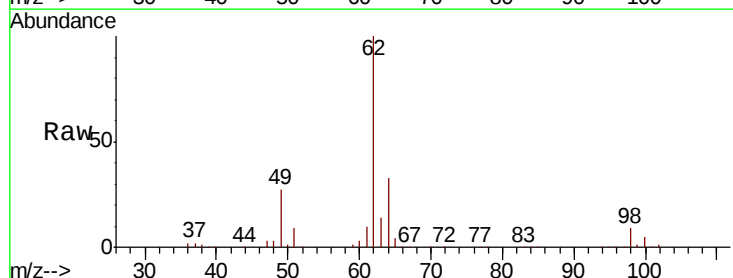
Instrument :
MSVOA_W
ClientSampleId :
VSTD02521

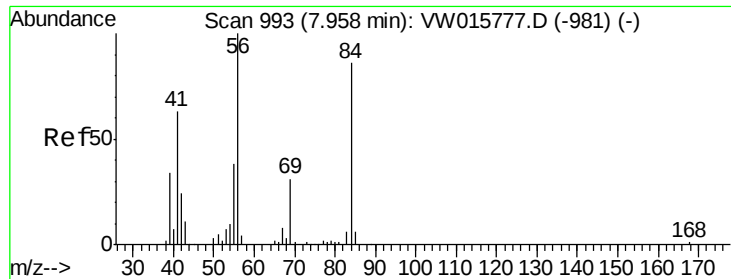
Tot Ion: 83 Resp: 184174
Ion Ratio Lower Upper
83 100
85 65.3 45.7 84.9



#27
1,2-Dichloroethane
Concen: 29.522 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW015780.D
Acq: 02 Jul 2020 18:05

Tgt Ion: 62 Resp: 133256
Ion Ratio Lower Upper
62 100
98 8.6 7.0 10.4

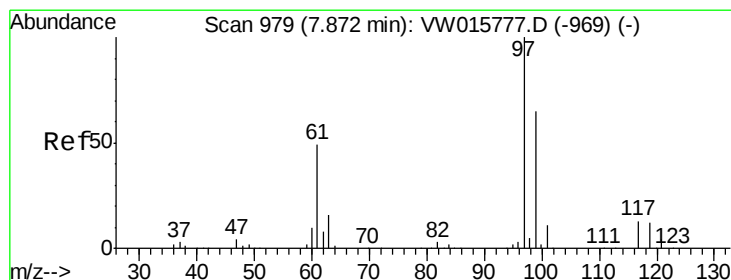
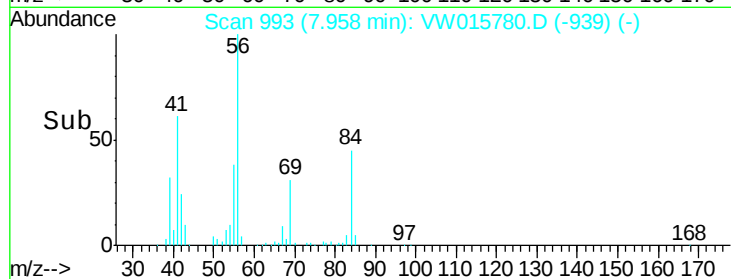
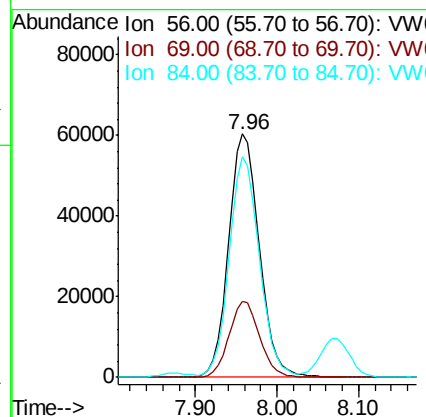
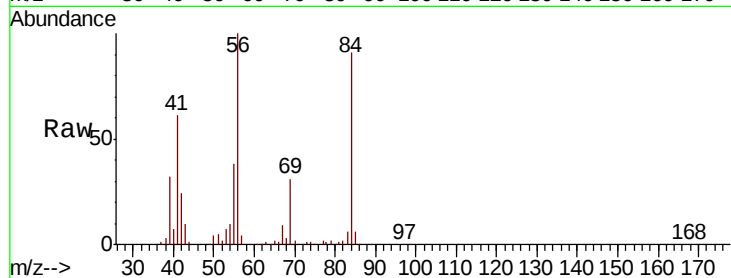




#30
Cyclohexane
Concen: 25.306 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW015780.D
Acq: 02 Jul 2020 18:05

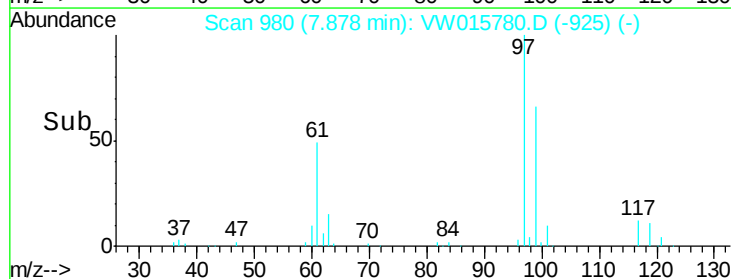
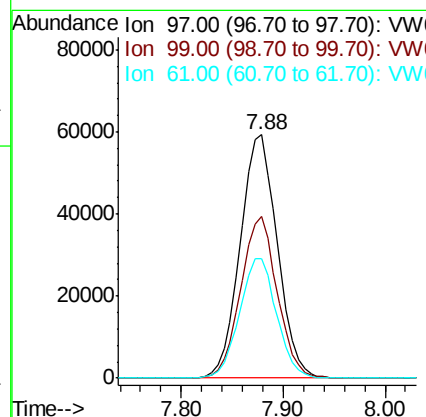
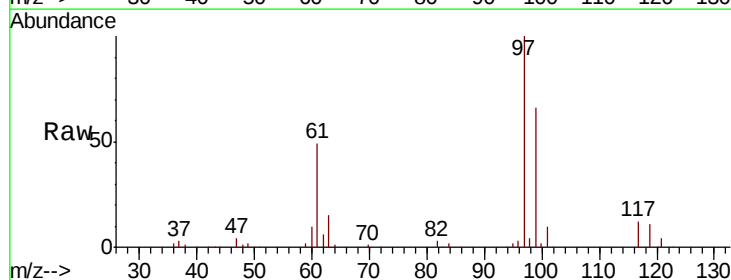
Instrument :
MSVOA_W
ClientSampleId :
VSTD02521

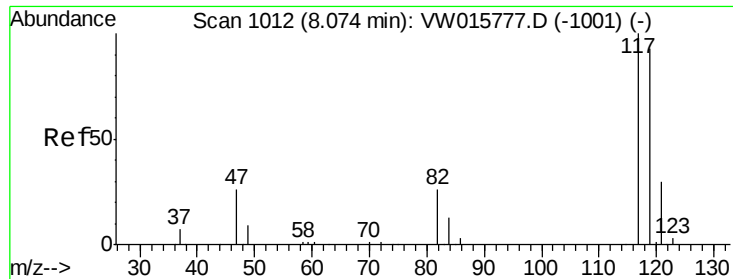
Tot Ion: 56 Resp: 156788
Ion Ratio Lower Upper
56 100
69 31.0 24.6 37.0
84 89.0 71.1 106.7



#31
1,1,1-Trichloroethane
Concen: 25.220 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW015780.D
Acq: 02 Jul 2020 18:05

Tgt Ion: 97 Resp: 149957
Ion Ratio Lower Upper
97 100
99 65.3 50.5 75.7
61 49.0 37.9 56.9





#32

Carbon tetrachloride

Concen: 25.918 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW015780.D

Acq: 02 Jul 2020 18:05

Instrument :

MSVOA_W

ClientSampleId :

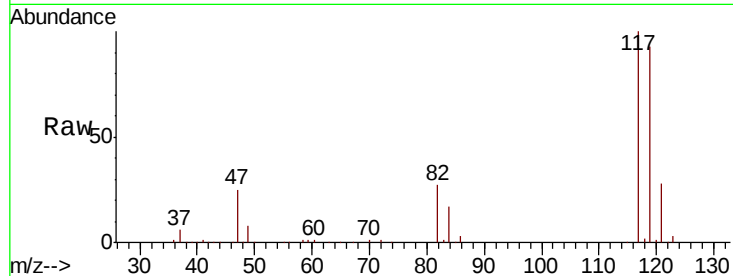
VSTD02521

Tot Ion:117 Resp: 139278

Ion Ratio Lower Upper

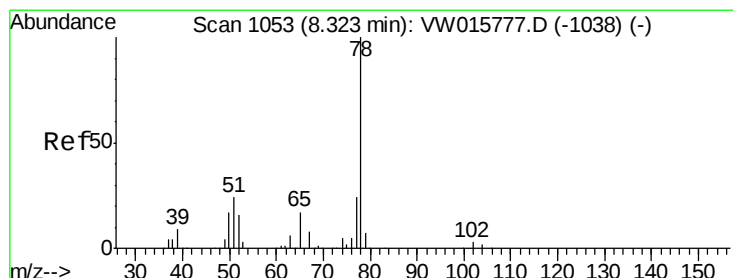
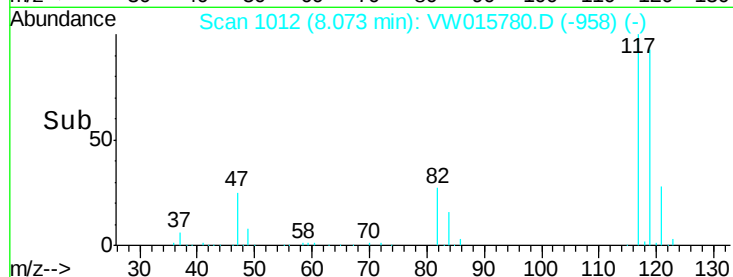
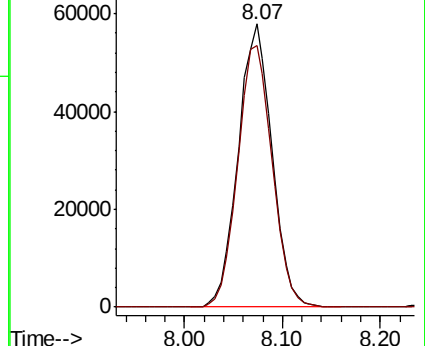
117 100

119 94.3 77.0 115.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.564 ug/L

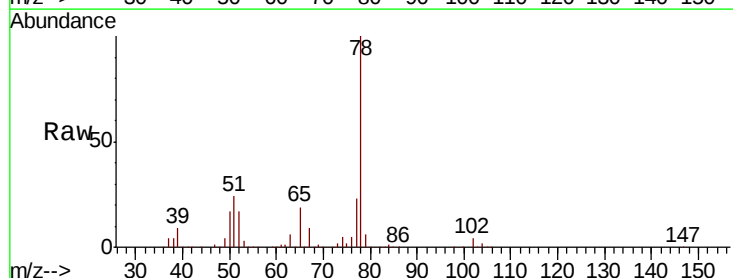
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

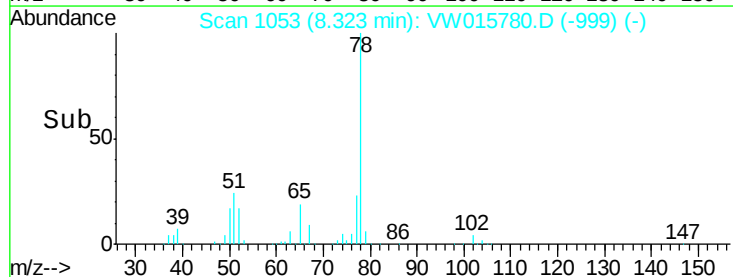
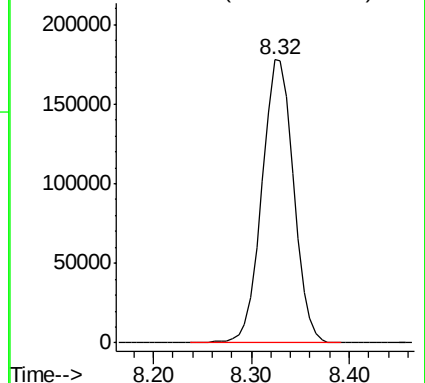
Lab File: VW015780.D

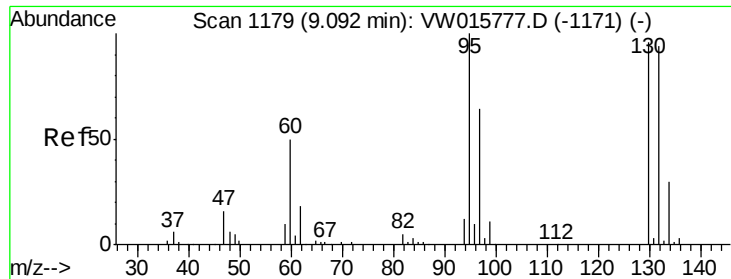
Acq: 02 Jul 2020 18:05

Tgt Ion: 78 Resp: 400773



Abundance Ion 78.00 (77.70 to 78.70): VW

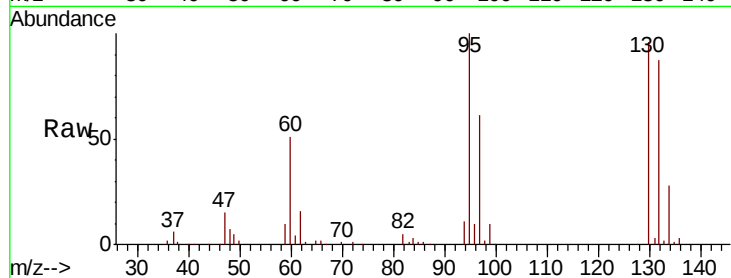




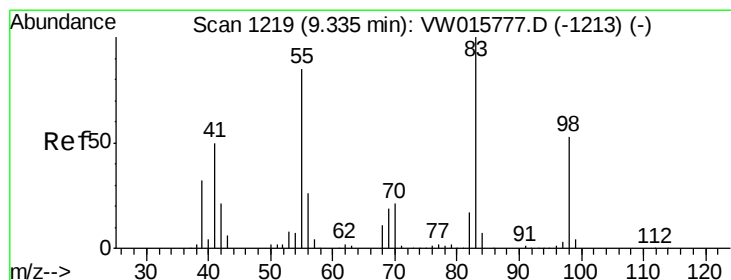
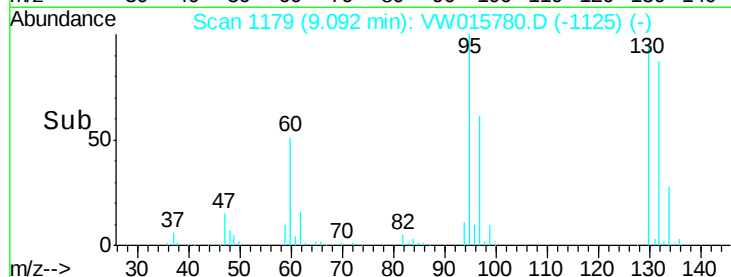
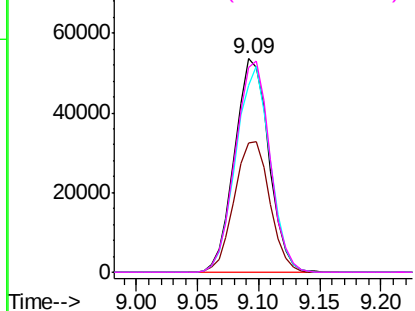
#35
 Trichloroethene
 Concen: 25.959 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW015780.D
 Acq: 02 Jul 2020 18:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

Tot Ion: 95 Resp: 104438
 Ion Ratio Lower Upper
 95 100
 97 63.4 44.9 83.3
 132 95.9 67.8 126.0
 130 100.0 70.1 130.1

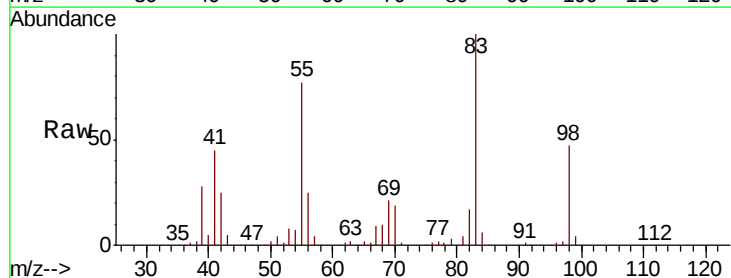


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

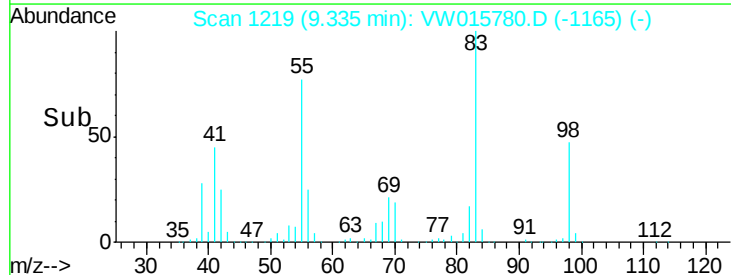
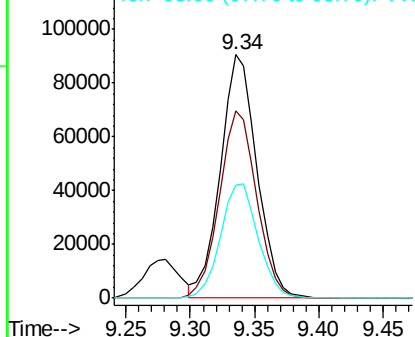


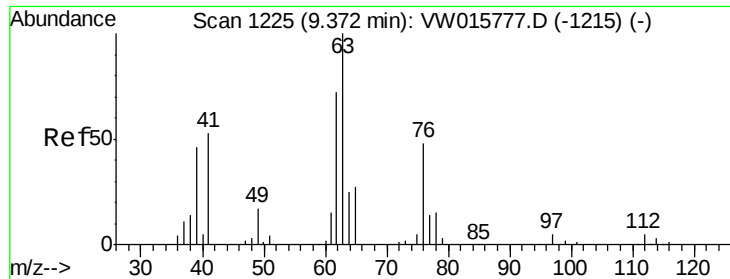
#36
 Methylcyclohexane
 Concen: 25.933 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW015780.D
 Acq: 02 Jul 2020 18:05

Tgt Ion: 83 Resp: 179953
 Ion Ratio Lower Upper
 83 100
 55 78.2 62.7 94.1
 98 48.5 39.4 59.2



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

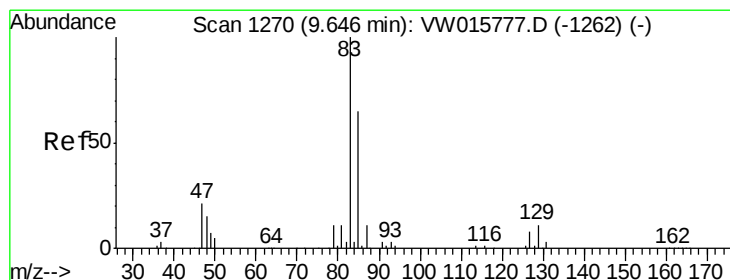
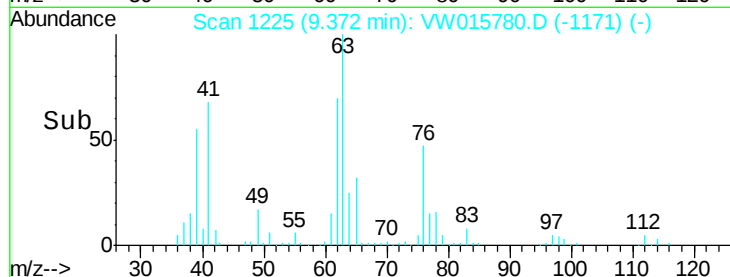
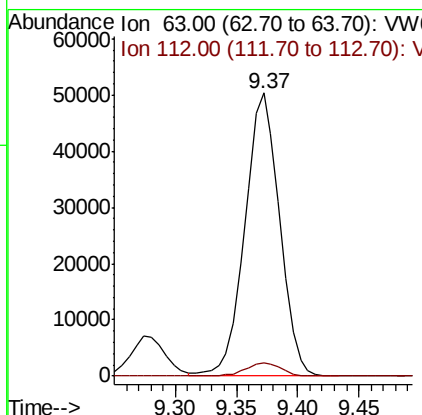
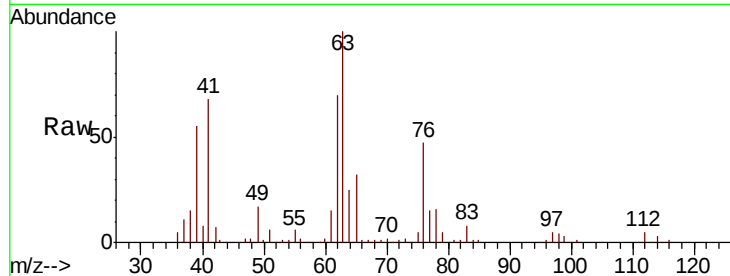




#40
 1,2-Dichloropropane
 Concen: 27.088 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW015780.D
 Acq: 02 Jul 2020 18:05

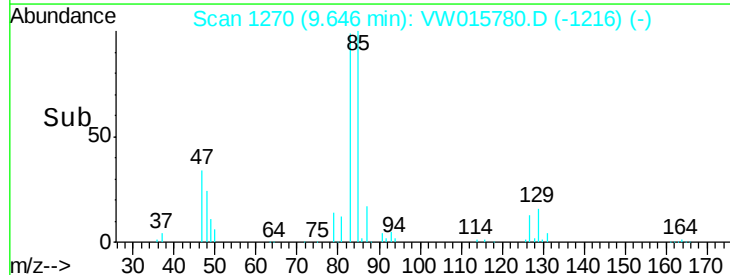
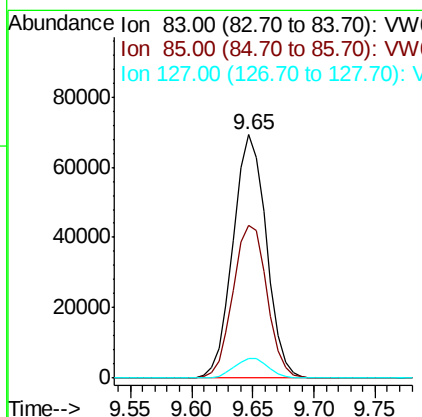
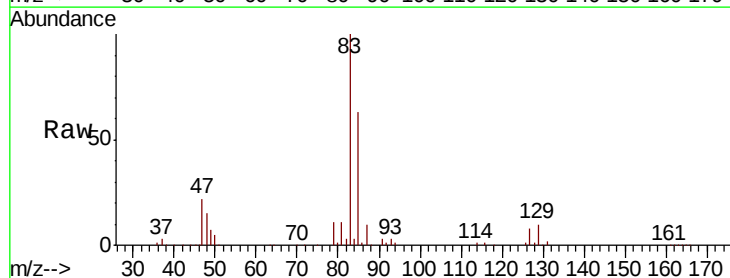
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

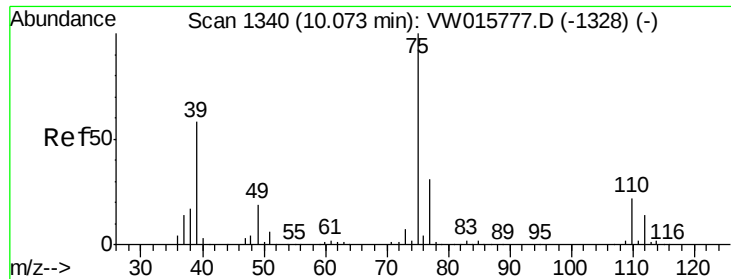
Tot Ion: 63 Resp: 99468
 Ion Ratio Lower Upper
 63 100
 112 4.8 4.0 6.0



#41
 Bromodichloromethane
 Concen: 27.381 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW015780.D
 Acq: 02 Jul 2020 18:05

Tgt Ion: 83 Resp: 130634
 Ion Ratio Lower Upper
 83 100
 85 62.6 44.1 81.9
 127 8.2 6.6 10.0





#42

cis-1,3-Dichloropropene

Concen: 27.172 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015780.D

Acq: 02 Jul 2020 18:05

Instrument :

MSVOA_W

ClientSampleId :

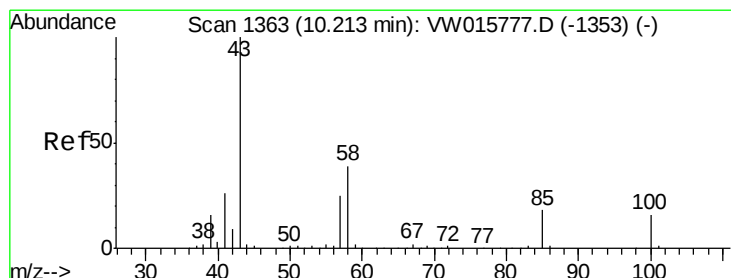
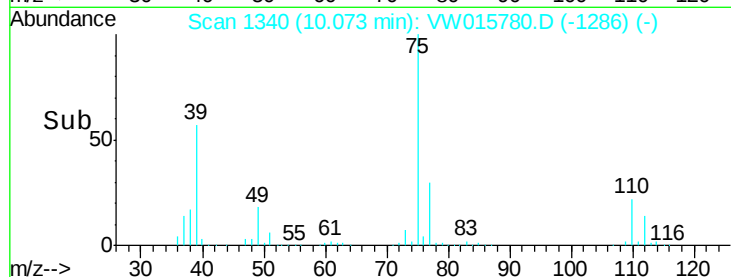
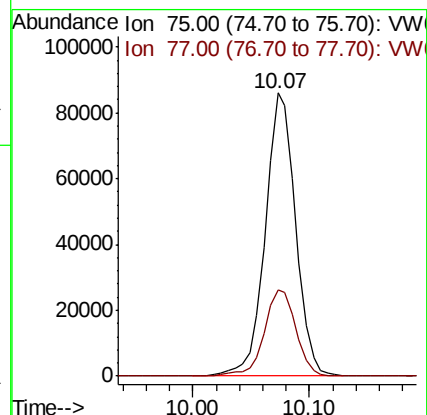
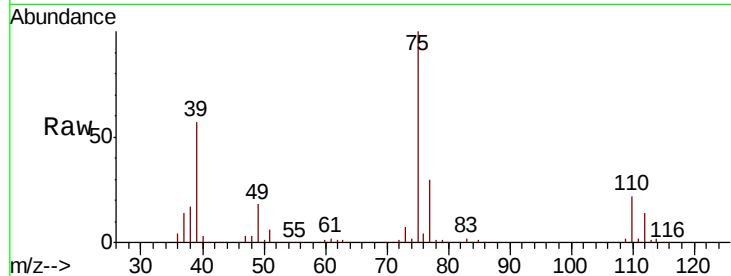
VSTD02521

Tot Ion: 75 Resp: 155751

Ion Ratio Lower Upper

75 100

77 30.5 22.2 41.2



#43

4-Methyl-2-pentanone

Concen: 64.924 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW015780.D

Acq: 02 Jul 2020 18:05

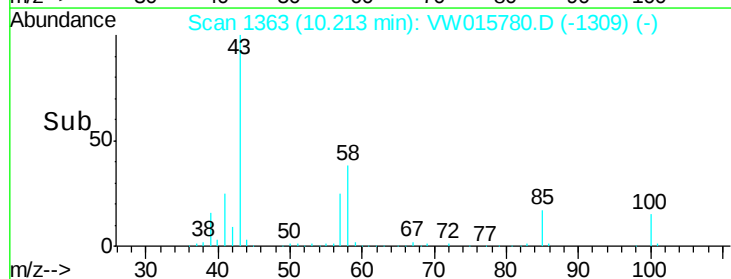
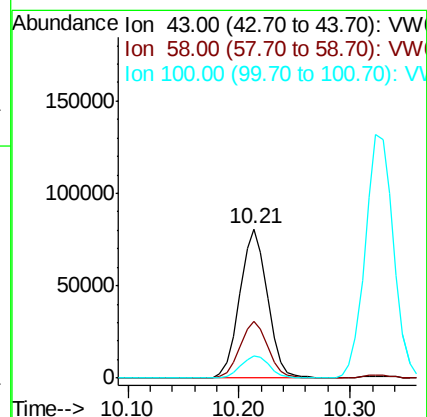
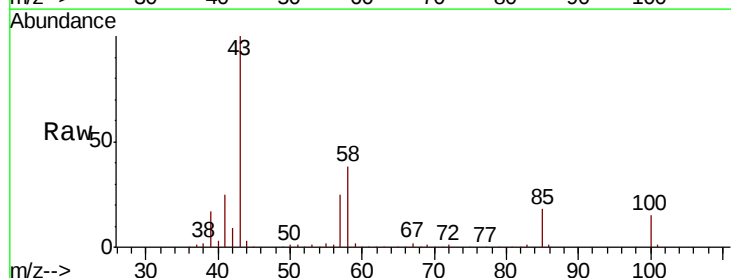
Tgt Ion: 43 Resp: 139093

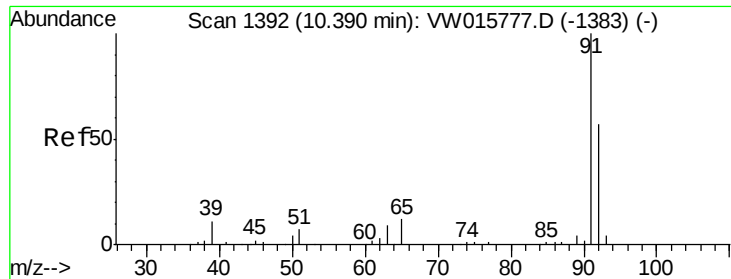
Ion Ratio Lower Upper

43 100

58 38.2 30.3 45.5

100 15.5 12.8 19.2





#44

Toluene

Concen: 26.732 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015780.D

Acq: 02 Jul 2020 18:05

Instrument :

MSVOA_W

ClientSampleId :

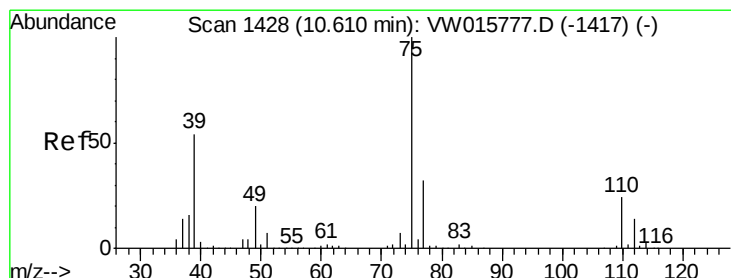
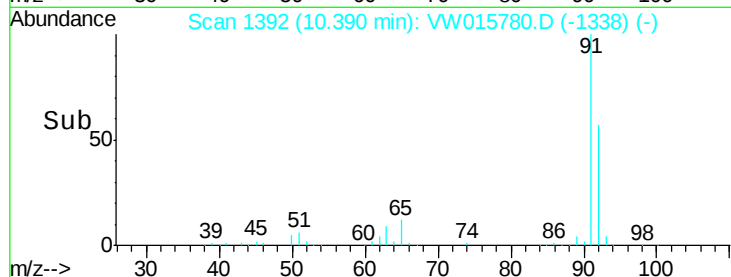
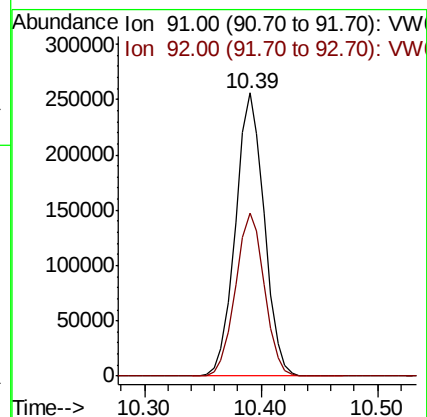
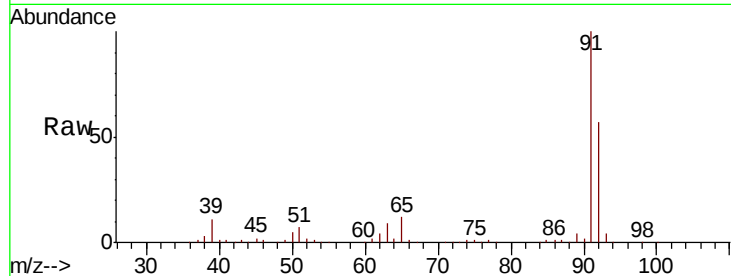
VSTD02521

Tot Ion: 91 Resp: 438158

Ion Ratio Lower Upper

91 100

92 57.4 41.3 76.7



#45

trans-1,3-Dichloropropene

Concen: 27.986 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW015780.D

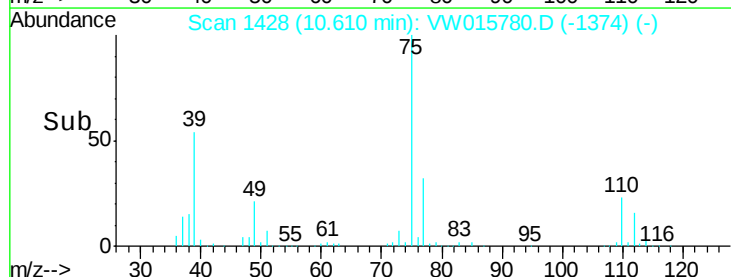
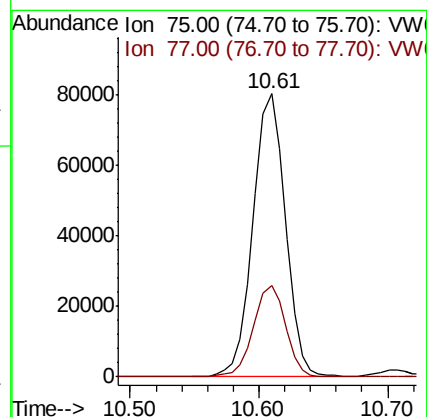
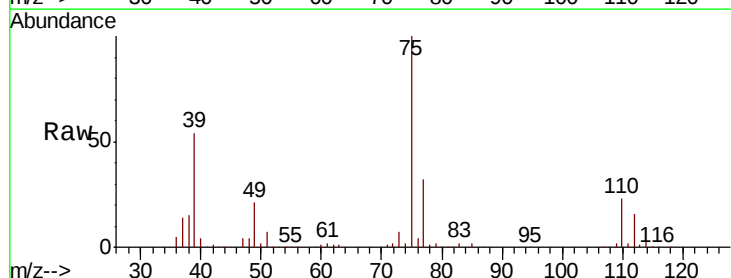
Acq: 02 Jul 2020 18:05

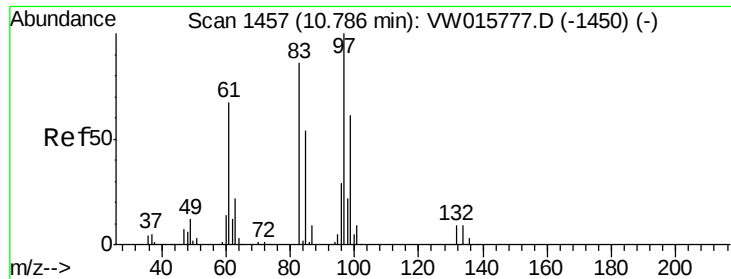
Tgt Ion: 75 Resp: 139628

Ion Ratio Lower Upper

75 100

77 32.2 22.5 41.7

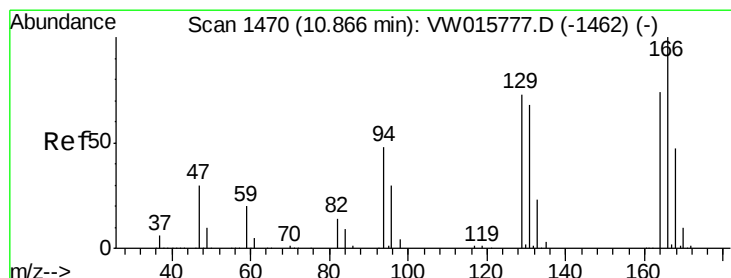
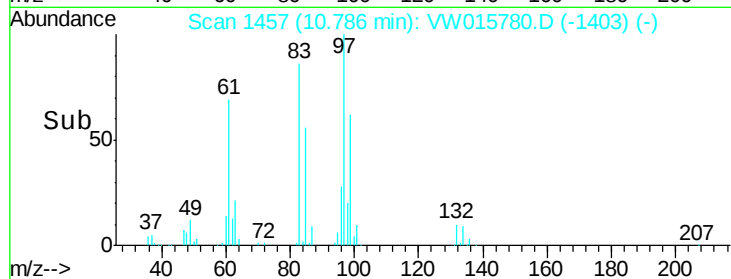
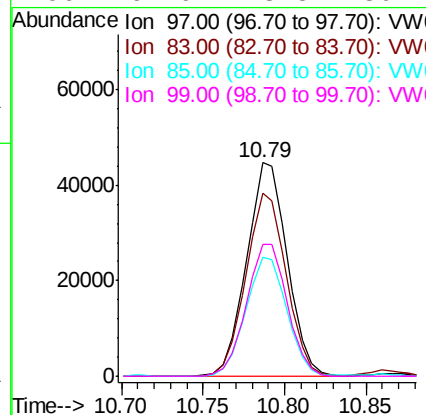
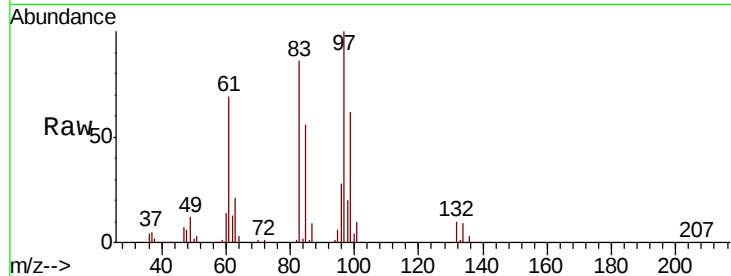




#46
 1,1,2-Trichloroethane
 Concen: 29.238 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW015780.D
 Acq: 02 Jul 2020 18:05

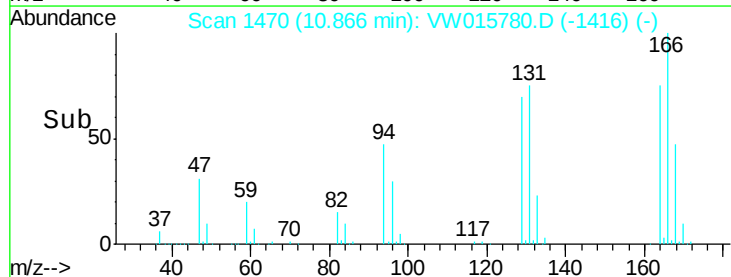
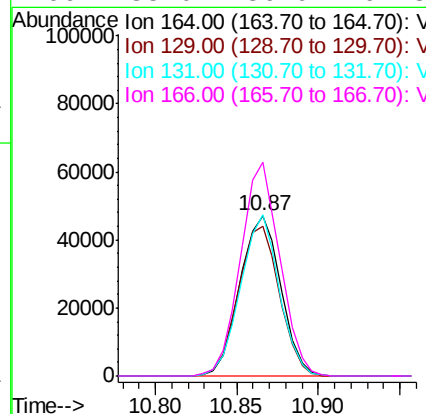
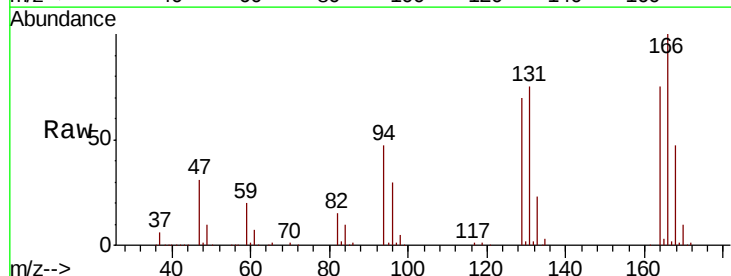
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

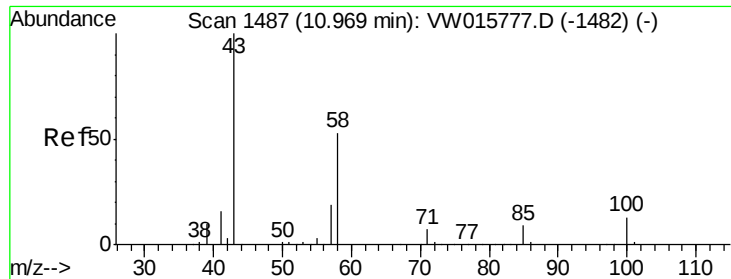
Tot Ion:	97	Resp:	77505
Ion	Ratio	Lower	Upper
97	100		
83	85.5	58.4	108.4
85	55.9	39.2	72.8
99	61.9	43.5	80.7



#47
 Tetrachloroethene
 Concen: 25.485 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW015780.D
 Acq: 02 Jul 2020 18:05

Tgt Ion:	164	Resp:	82391
Ion	Ratio	Lower	Upper
164	100		
129	93.4	66.1	122.8
131	100.2	63.6	118.0
166	133.0	86.9	161.3

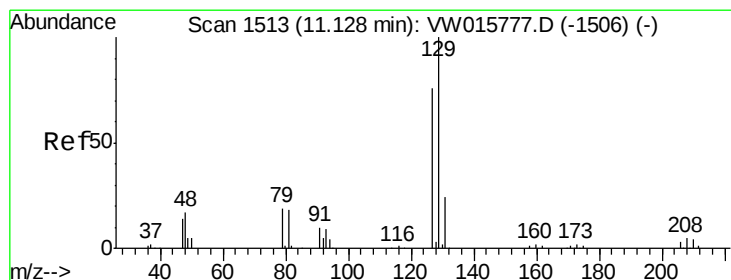
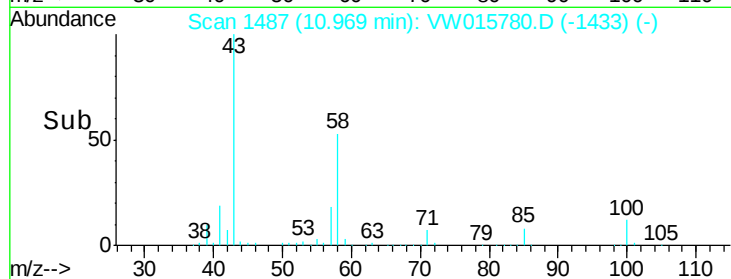
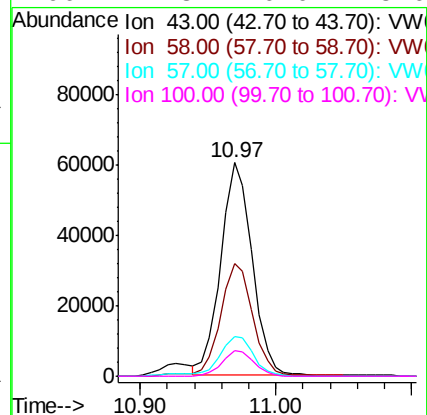
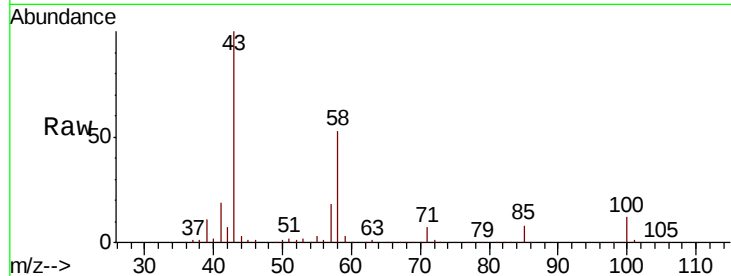




#49
2-Hexanone
Concen: 64.486 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015780.D
Acq: 02 Jul 2020 18:05

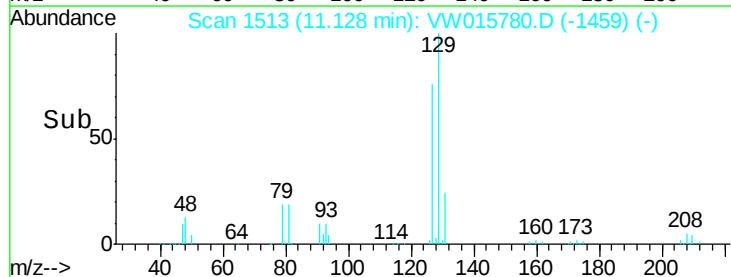
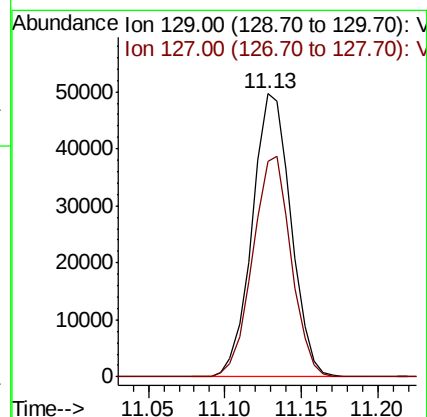
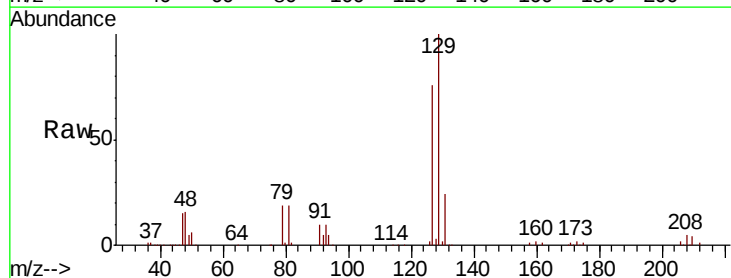
Instrument :
MSVOA_W
ClientSampleId :
VSTD02521

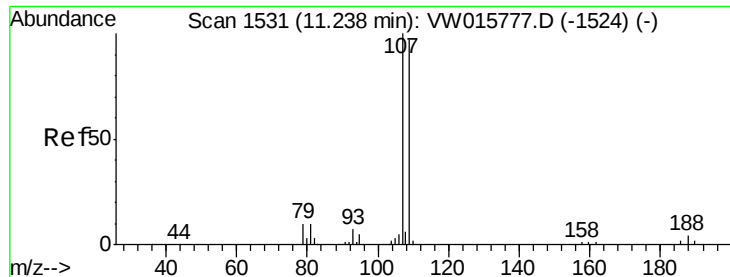
Tot Ion: 43 Resp: 97321
Ion Ratio Lower Upper
43 100
58 53.9 43.5 65.3
57 19.5 15.4 23.0
100 12.3 10.0 15.0



#50
Dibromochloromethane
Concen: 28.201 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015780.D
Acq: 02 Jul 2020 18:05

Tgt Ion: 129 Resp: 87508
Ion Ratio Lower Upper
129 100
127 76.0 50.7 94.1

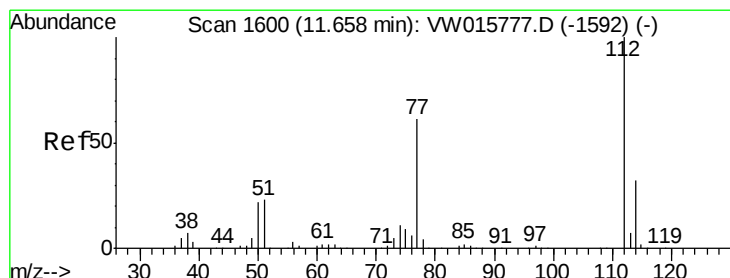
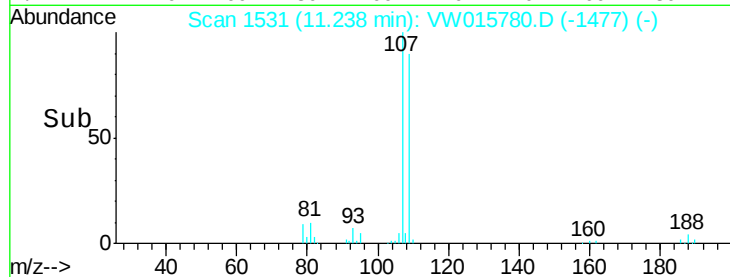
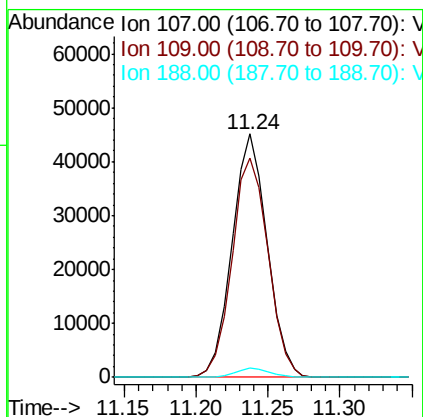
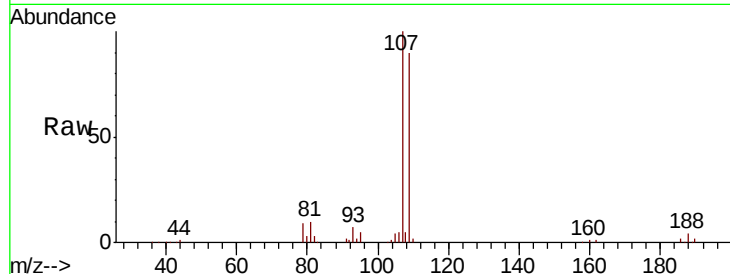




#51
 1,2-Dibromoethane
 Concen: 29.800 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW015780.D
 Acq: 02 Jul 2020 18:05

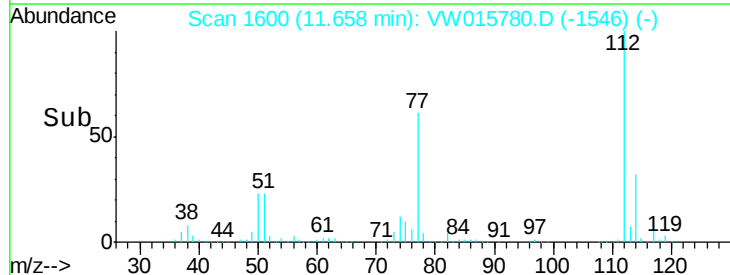
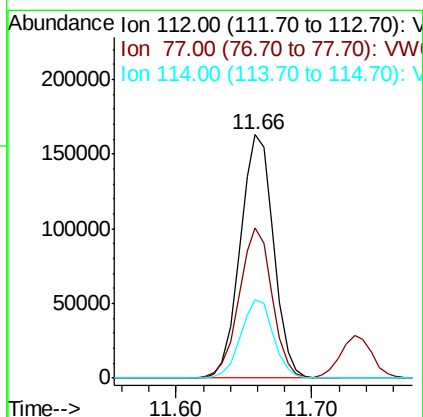
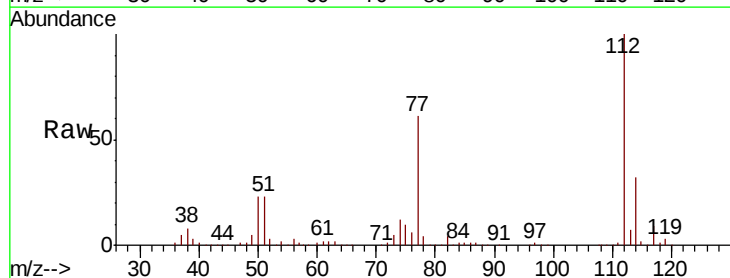
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

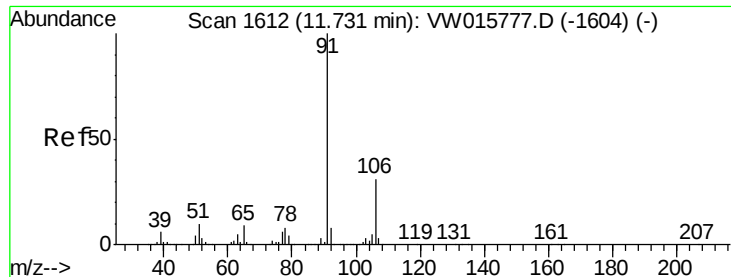
Tot Ion:107 Resp: 76575
 Ion Ratio Lower Upper
 107 100
 109 89.8 64.0 118.8
 188 3.7 3.1 4.7



#52
 Chlorobenzene
 Concen: 27.006 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW015780.D
 Acq: 02 Jul 2020 18:05

Tgt Ion:112 Resp: 278229
 Ion Ratio Lower Upper
 112 100
 77 61.5 48.4 72.6
 114 32.1 21.8 40.4

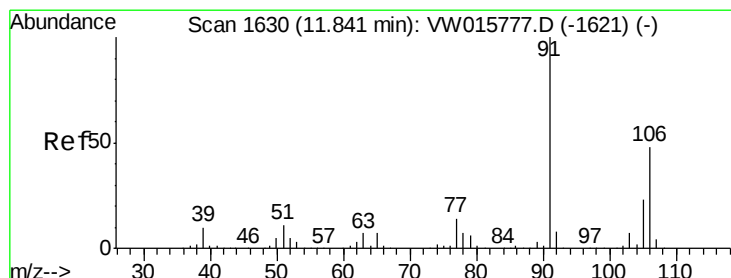
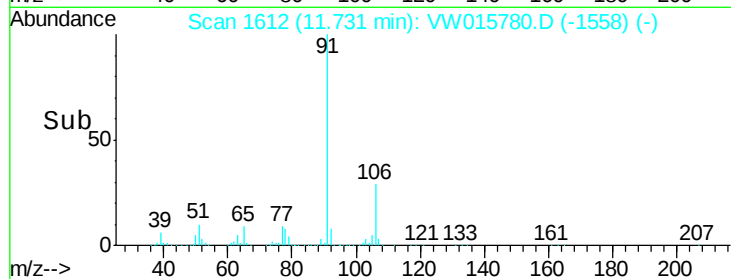
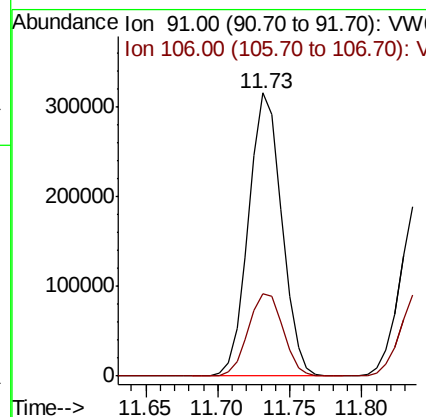
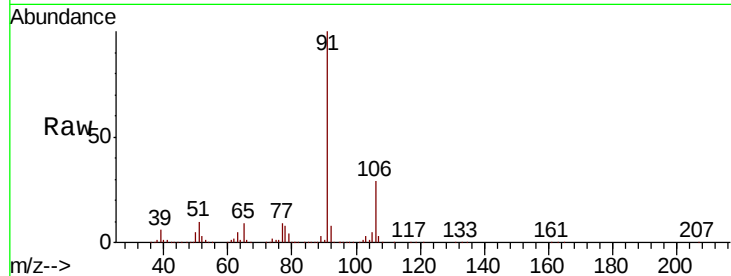




#53
Ethylbenzene
Concen: 27.147 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015780.D
Acq: 02 Jul 2020 18:05

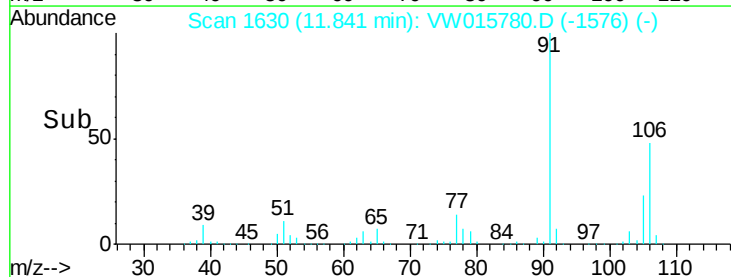
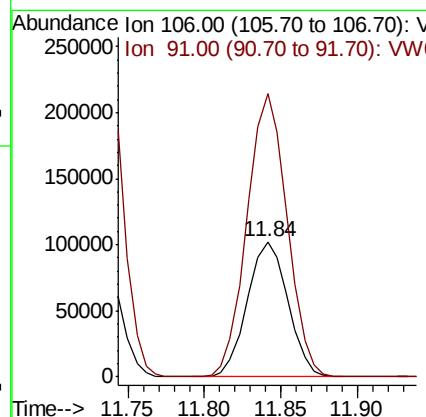
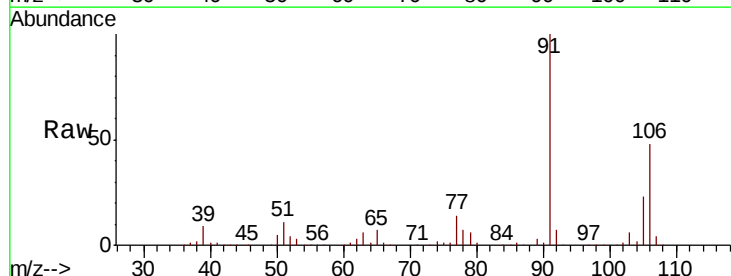
Instrument :
MSVOA_W
ClientSampleId :
VSTD02521

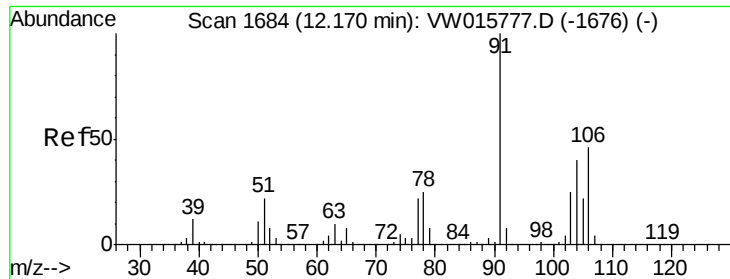
Tot Ion: 91 Resp: 503096
Ion Ratio Lower Upper
91 100
106 29.0 21.4 39.8



#54
m,p-Xylene
Concen: 27.321 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW015780.D
Acq: 02 Jul 2020 18:05

Tgt Ion: 106 Resp: 189254
Ion Ratio Lower Upper
106 100
91 209.4 141.5 262.9





#55

o-xylene

Concen: 27.332 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW015780.D

Acq: 02 Jul 2020 18:05

Instrument :

MSVOA_W

ClientSampleId :

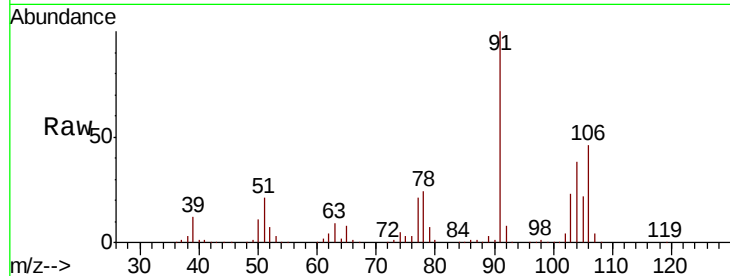
VSTD02521

Tot Ion:106 Resp: 180947

Ion Ratio Lower Upper

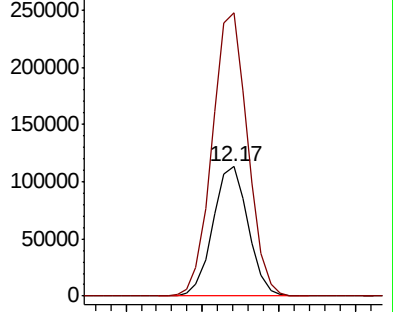
106 100

91 219.1 151.3 280.9

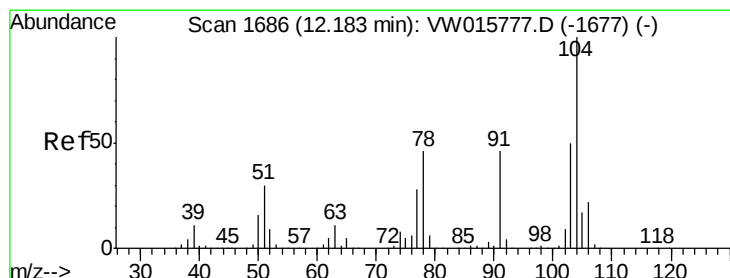
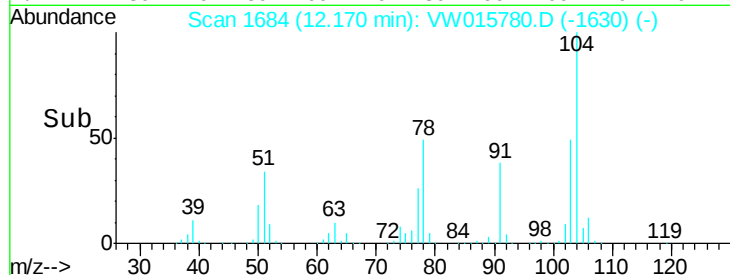


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



Time-->



#56

Styrene

Concen: 28.249 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW015780.D

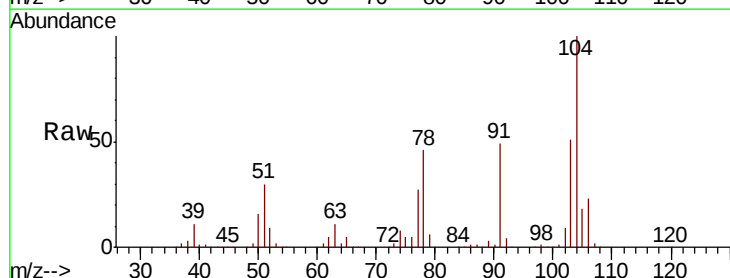
Acq: 02 Jul 2020 18:05

Tgt Ion:104 Resp: 317457

Ion Ratio Lower Upper

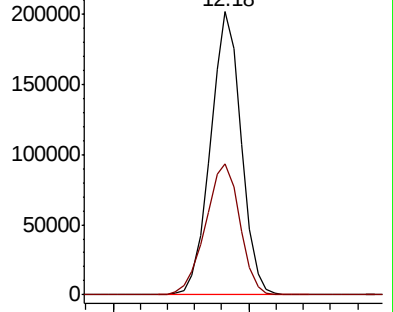
104 100

78 46.3 32.4 60.2

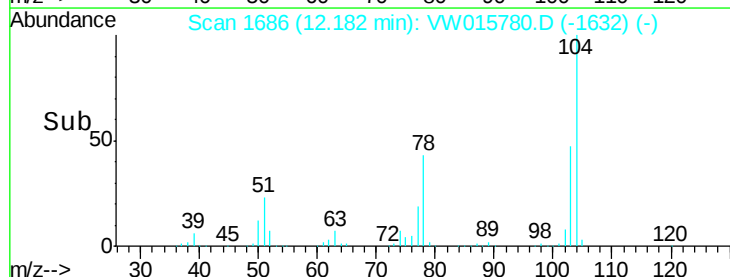


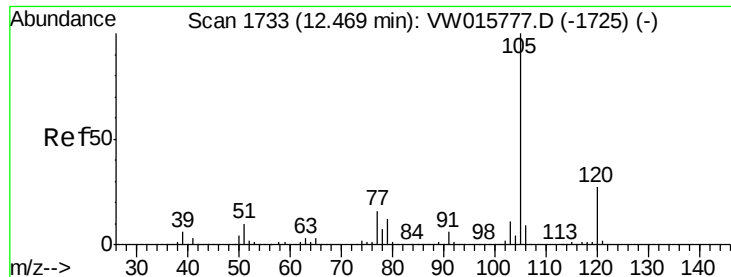
Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



Time-->





#57

Isopropylbenzene

Concen: 27.397 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW015780.D

Acq: 02 Jul 2020 18:05

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

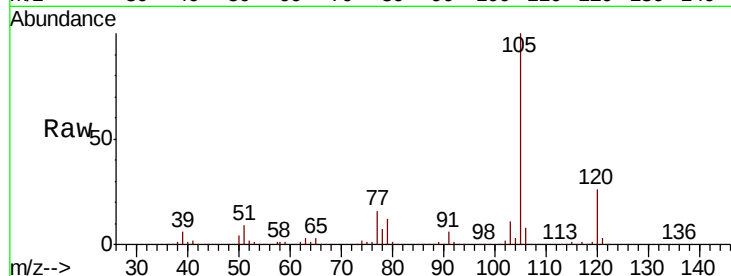
Tot Ion:105 Resp: 500989

Ion Ratio Lower Upper

105 100

120 26.1 21.0 31.6

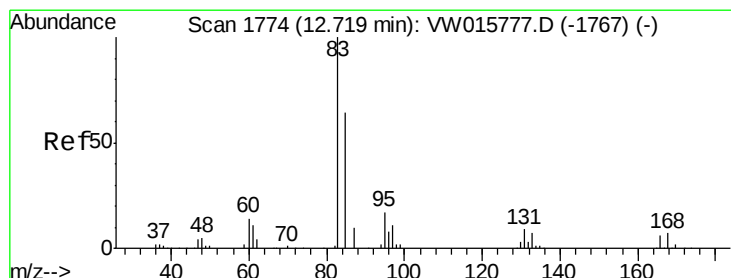
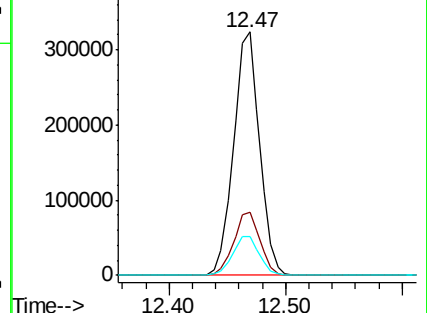
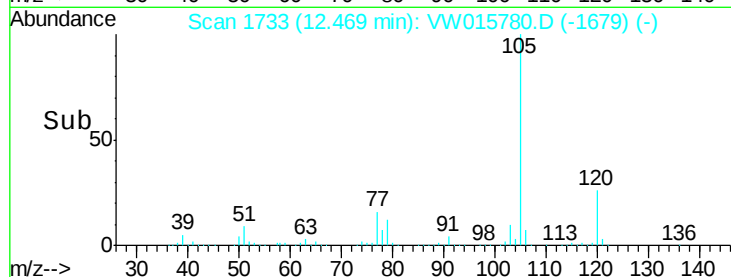
77 16.3 12.9 19.3



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: 31.317 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW015780.D

Acq: 02 Jul 2020 18:05

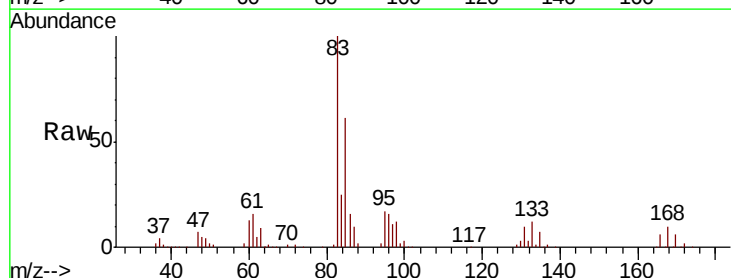
Tgt Ion: 83 Resp: 98788

Ion Ratio Lower Upper

83 100

85 61.3 43.5 80.9

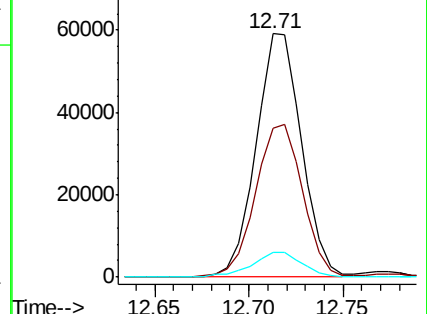
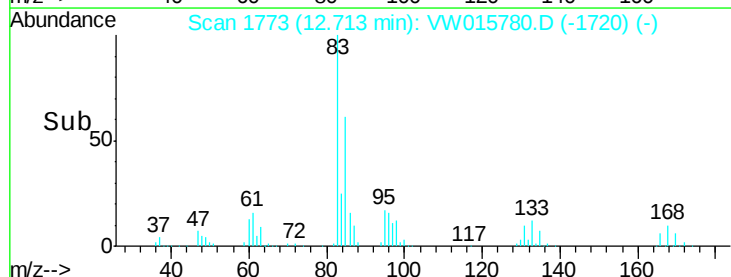
131 10.4 8.2 12.4

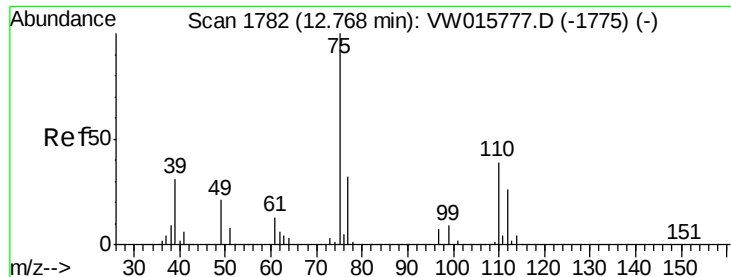


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 31.643 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW015780.D

Acq: 02 Jul 2020 18:05

Instrument :

MSVOA_W

ClientSampleId :

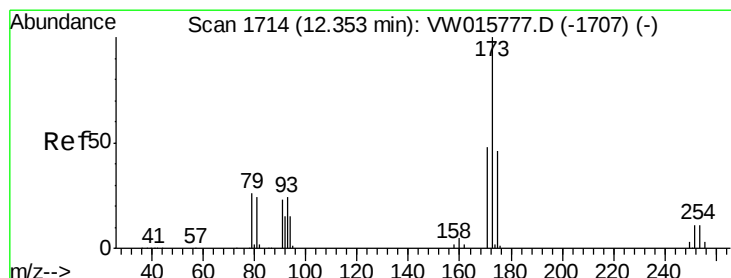
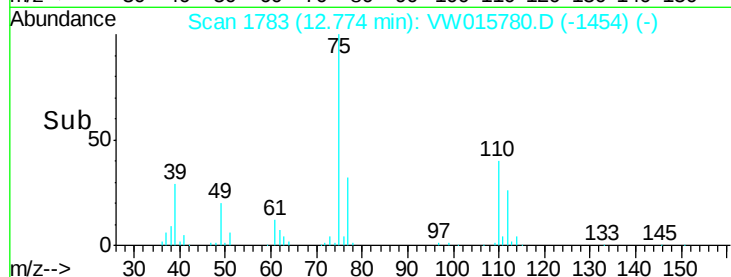
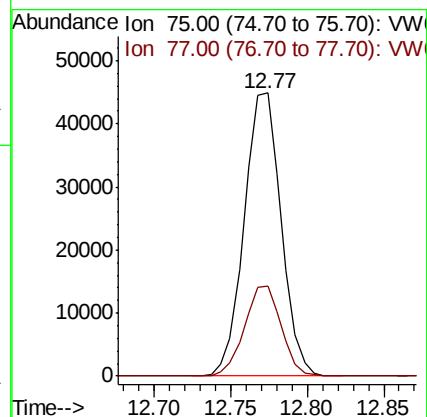
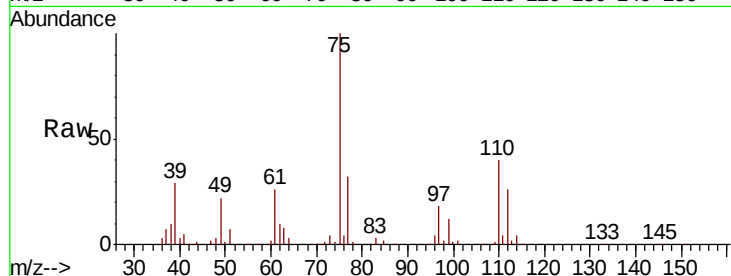
VSTD02521

Tot Ion: 75 Resp: 75385

Ion Ratio Lower Upper

75 100

77 31.7 26.1 39.1



#62

Bromoform

Concen: 27.556 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW015780.D

Acq: 02 Jul 2020 18:05

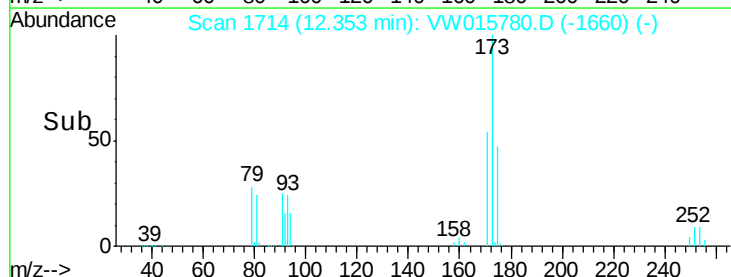
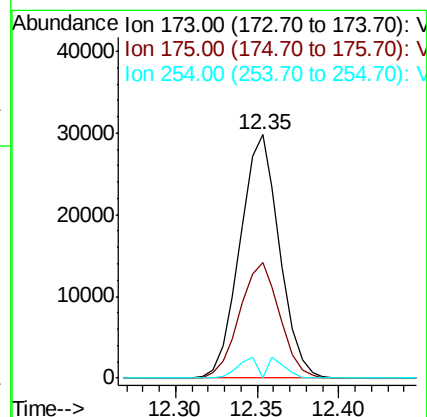
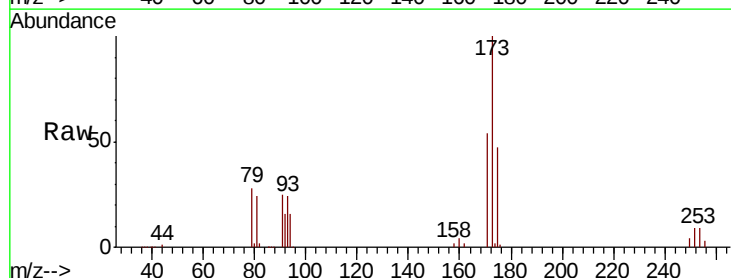
Tgt Ion: 173 Resp: 50115

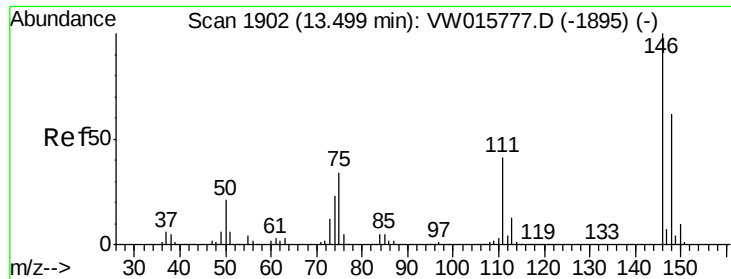
Ion Ratio Lower Upper

173 100

175 48.2 39.4 59.2

254 3.6 8.2 12.2#

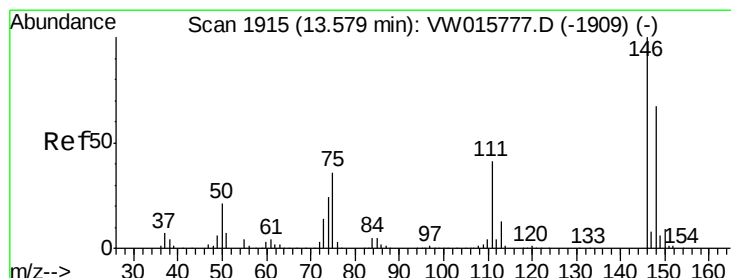
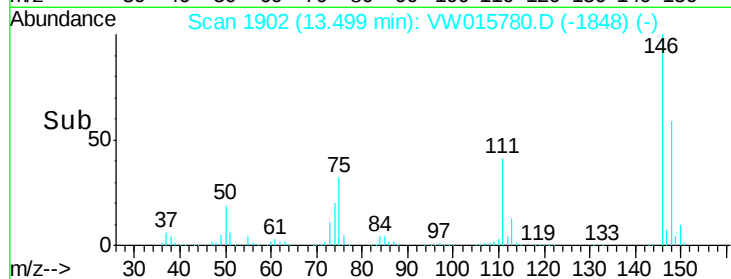
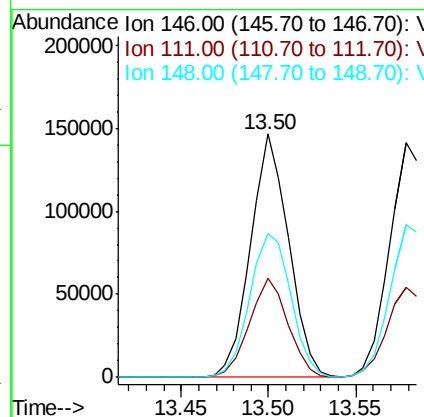
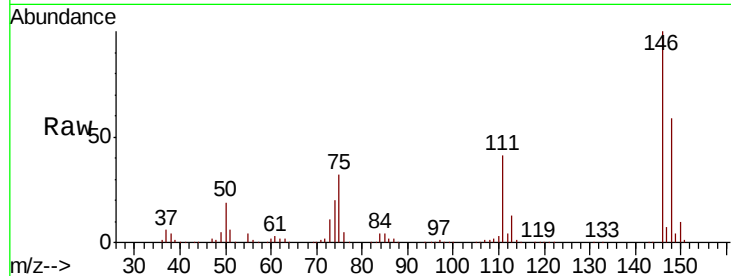




#63
 1,3-Dichlorobenzene
 Concen: 26.462 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015780.D
 Acq: 02 Jul 2020 18:05

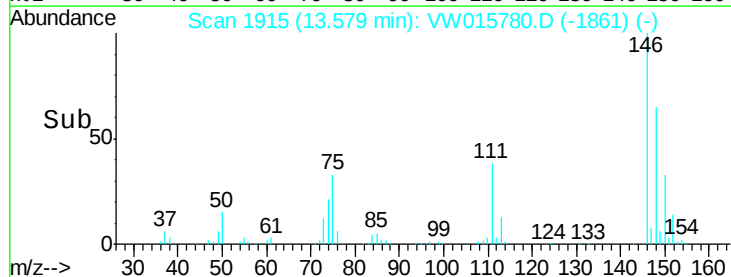
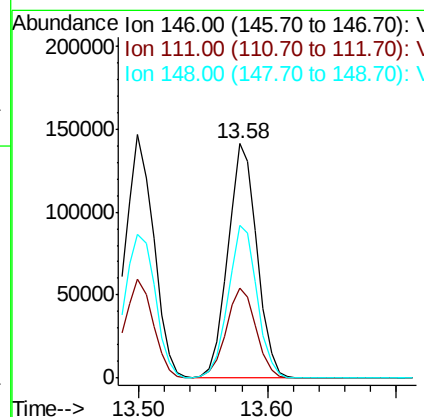
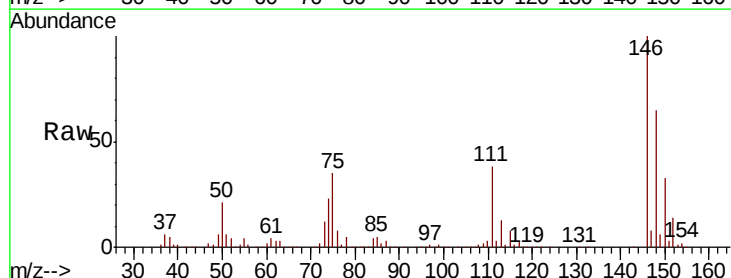
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

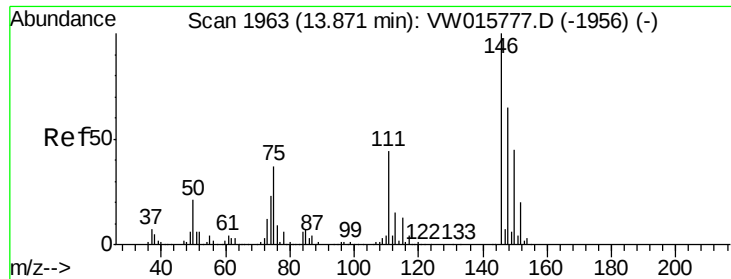
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	28.8	53.6
148	59.3	43.6	81.0



#64
 1,4-Dichlorobenzene
 Concen: 26.640 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015780.D
 Acq: 02 Jul 2020 18:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	27.8	51.6
148	65.0	46.0	85.4





#65

1,2-Dichlorobenzene

Concen: 27.854 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW015780.D

Acq: 02 Jul 2020 18:05

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

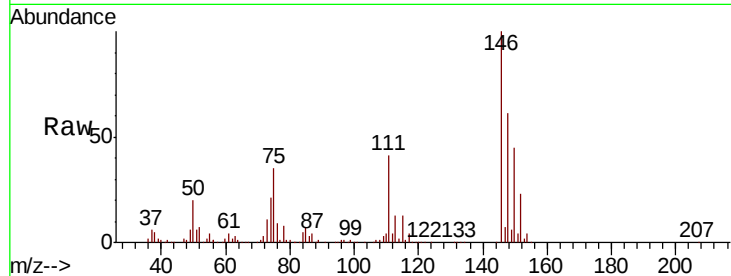
Tot Ion:146 Resp: 207106

Ion Ratio Lower Upper

146 100

111 41.2 35.5 53.3

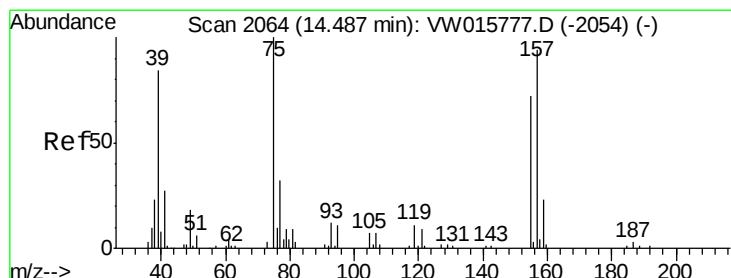
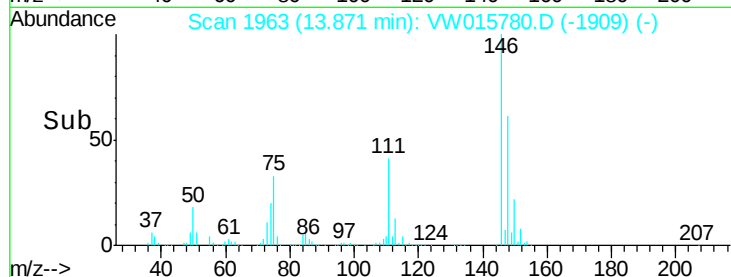
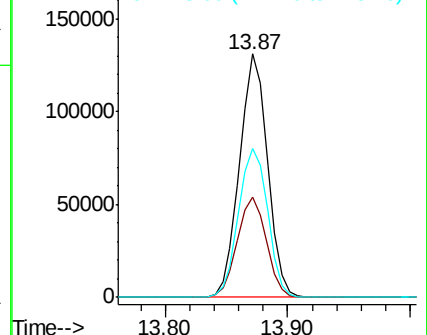
148 61.3 51.4 77.2



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: 30.906 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW015780.D

Acq: 02 Jul 2020 18:05

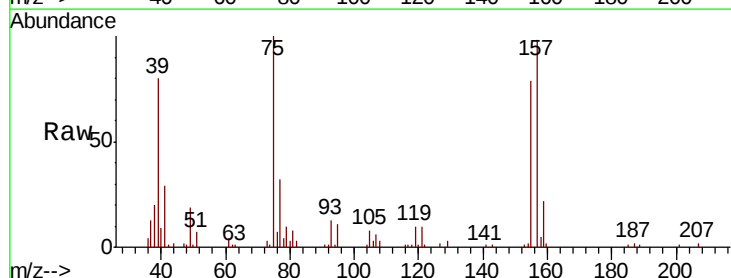
Tgt Ion: 75 Resp: 16459

Ion Ratio Lower Upper

75 100

157 98.3 83.2 124.8

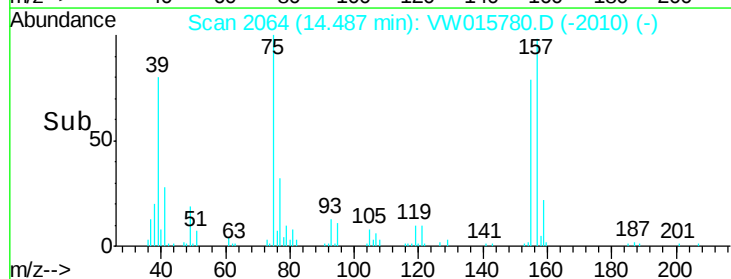
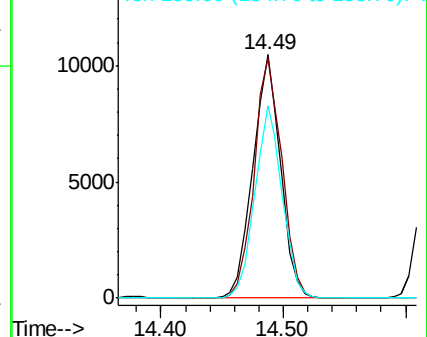
155 78.9 64.2 96.4

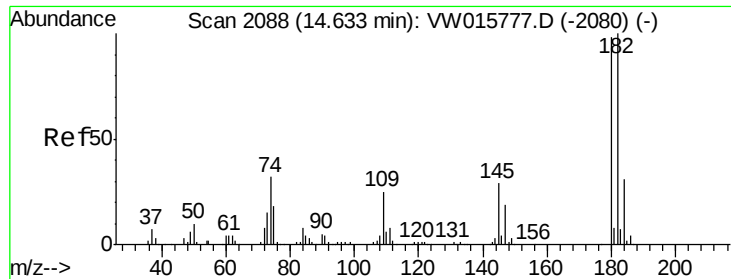


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

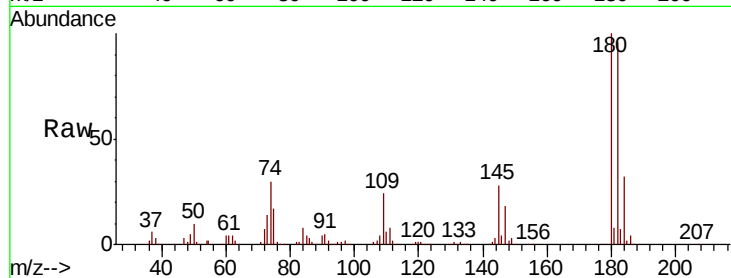




#67
 1,3,5-Trichlorobenzene
 Concen: 27.327 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW015780.D
 Acq: 02 Jul 2020 18:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	76.1	114.1
184	31.0	24.2	36.2
145	30.7	23.8	35.6



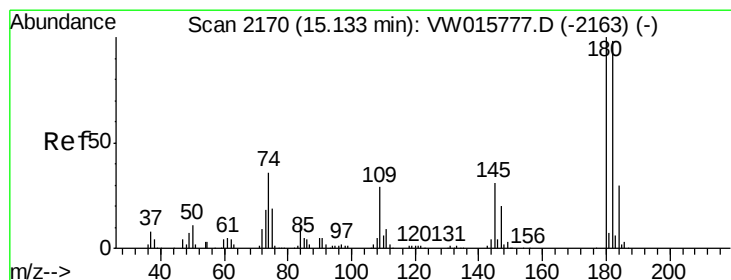
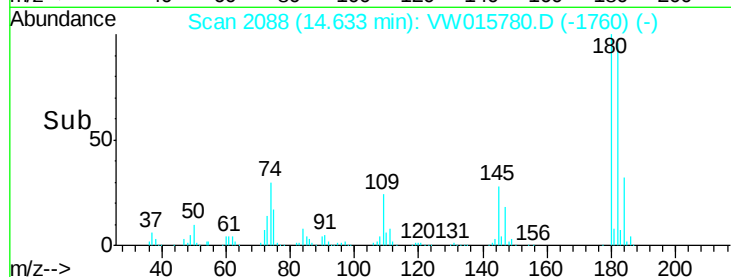
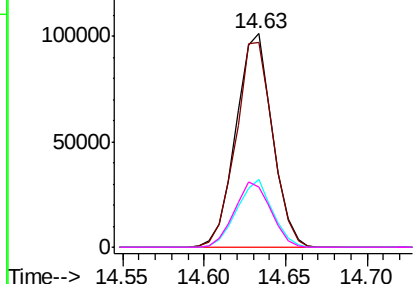
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

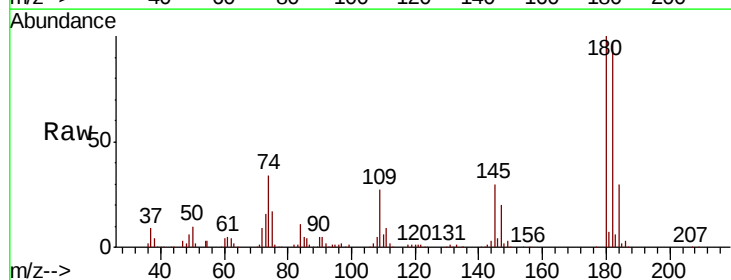
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 28.797 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015780.D
 Acq: 02 Jul 2020 18:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	75.5	113.3
145	30.3	24.6	37.0

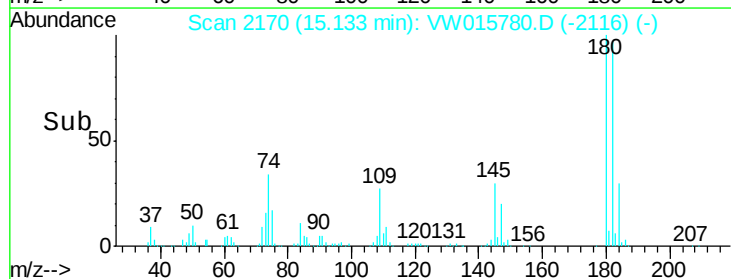
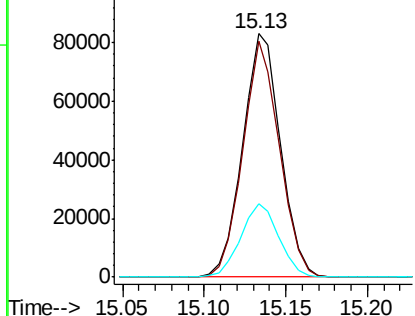


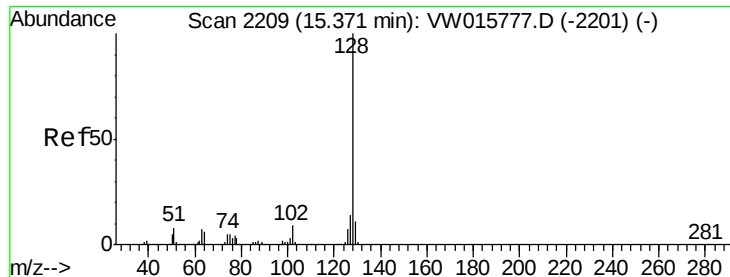
Abundance

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: 31.942 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW015780.D

Acq: 02 Jul 2020 18:05

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

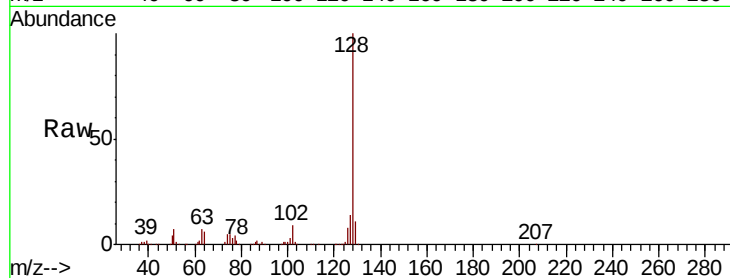
Tot Ion:128 Resp: 271954

Ion Ratio Lower Upper

128 100

129 10.7 8.9 13.3

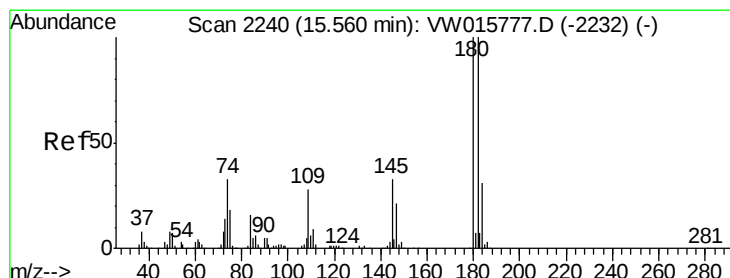
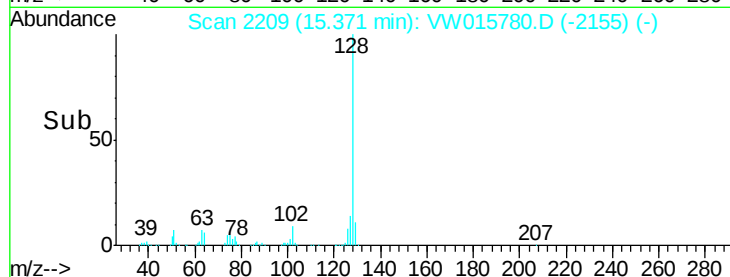
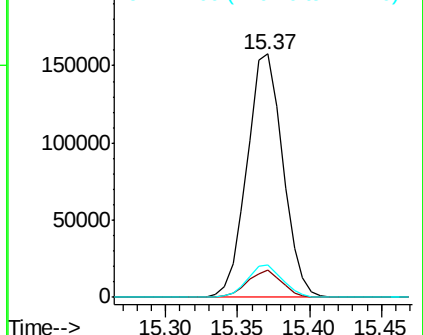
127 13.3 10.6 16.0



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: 29.606 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW015780.D

Acq: 02 Jul 2020 18:05

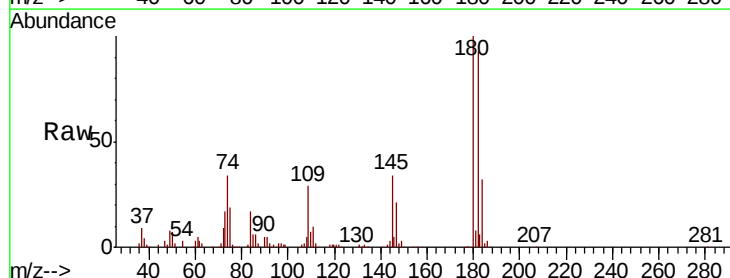
Tgt Ion:180 Resp: 119111

Ion Ratio Lower Upper

180 100

182 94.6 75.5 113.3

145 33.1 25.4 38.0



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

