

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070220\
 Data File : VW015777.D
 Acq On : 02 Jul 2020 10:25
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

Quant Time: Jul 06 01:10:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062920S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 01 01:40:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	278667	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	263731	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	130984	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	107488	23.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.00%
7) Chloroethane-d5	2.90	69	94323	25.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.12%
10) 1,1-Dichloroethene-d2	4.02	63	202319	25.18	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	100.72%
20) 2-Butanone-d5	7.09	46	56824	59.52	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.04%
24) Chloroform-d	7.65	84	204823	26.37	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.48%
26) 1,2-Dichloroethane-d4	8.31	65	118368	26.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.16%
29) Benzene-d6	8.27	84	389630	24.78	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.12%
33) 1,2-Dichloropropane-d6	9.27	67	115974	24.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.64%
37) Toluene-d8	10.32	98	362165	24.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.00%
38) trans-1,3-Dichloropropene-	10.58	79	52384	25.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.60%
39) 2-Hexanone-d5	10.93	63	43623	57.50	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.00%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	100329	28.11	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.44%
61) 1,2-Dichlorobenzene-d4	13.86	152	122703	24.16	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.64%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	78096	29.723	ug/L	98
3) Chloromethane	2.21	50	76044	26.894	ug/L	97
5) Vinyl chloride	2.37	62	118424	27.963	ug/L	100
6) Bromomethane	2.79	94	78997	28.154	ug/L	99
8) Chloroethane	2.93	64	75940	28.741	ug/L	98
9) Trichlorofluoromethane	3.26	101	90908	29.355	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	93876	27.960	ug/L	98
12) 1,1-Dichloroethene	4.04	96	88866	27.419	ug/L	85
13) Acetone	4.13	43	53286	66.605	ug/L	99
14) Carbon disulfide	4.39	76	279444	27.765	ug/L	99
15) Methyl Acetate	4.68	43	43419	30.295	ug/L	99
16) Methylene chloride	4.92	84	109908	26.880	ug/L	99
17) Methyl tert-butyl Ether	5.43	73	136256	27.437	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	96177	27.642	ug/L	99
19) 1,1-Dichloroethane	6.22	63	175894	28.039	ug/L	99
21) 2-Butanone	7.18	43	64394	65.109	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	99889	27.773	ug/L	97

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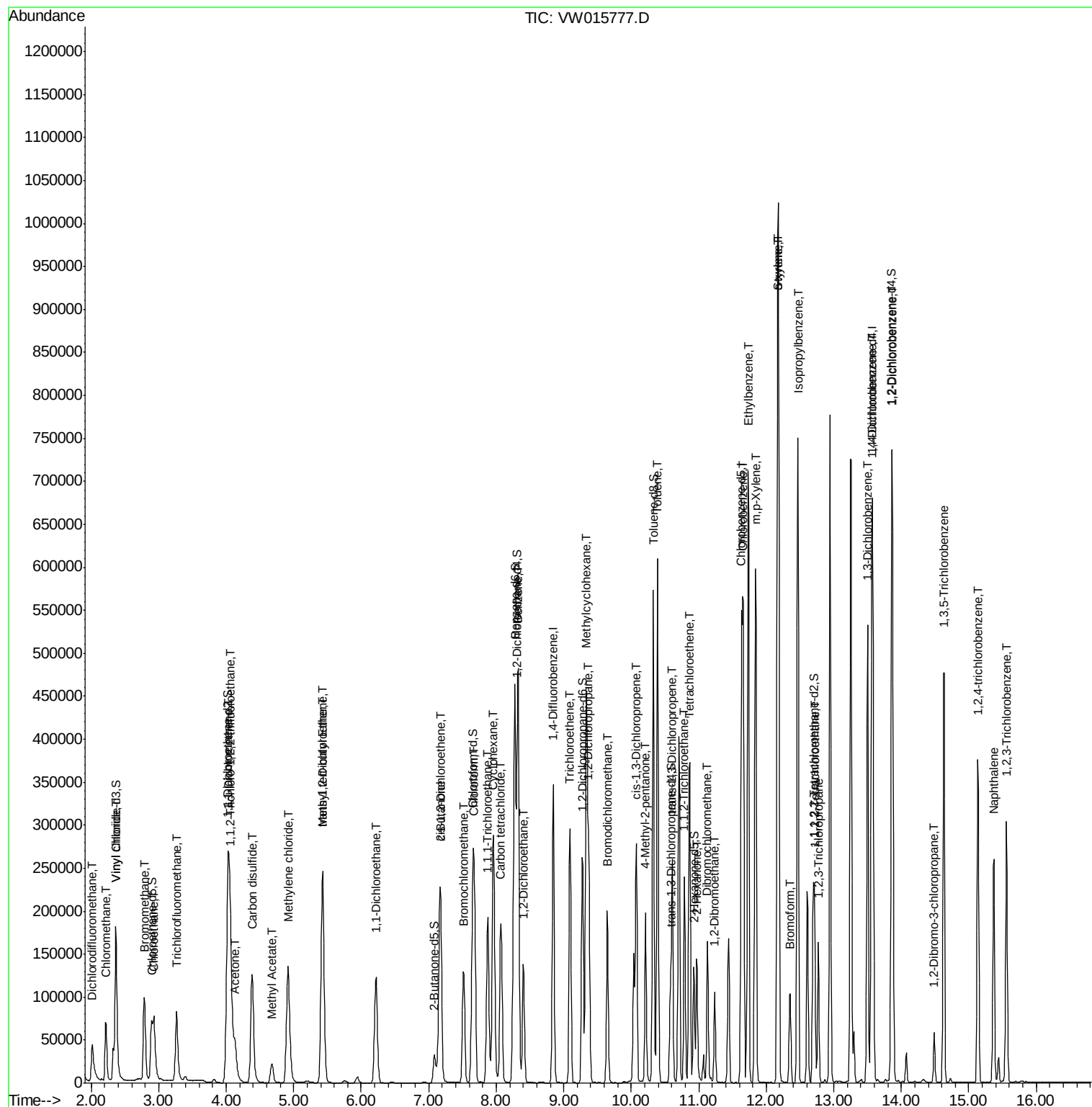
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	45436	28.681	ug/L	98
25) Chloroform	7.68	83	180317	28.457	ug/L	99
27) 1,2-Dichloroethane	8.40	62	127967	29.207	ug/L	99
30) Cyclohexane	7.96	56	157850	26.538	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	154693	27.100	ug/L	98
32) Carbon tetrachloride	8.07	117	140084	27.154	ug/L	100
34) Benzene	8.32	78	394425	27.232	ug/L	100
35) Trichloroethene	9.09	95	103019	26.673	ug/L	98
36) Methylcyclohexane	9.34	83	176884	26.552	ug/L	99
40) 1,2-Dichloropropane	9.37	63	97596	27.685	ug/L	99
41) Bromodichloromethane	9.65	83	126763	27.676	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	150814	27.406	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	123077	59.841	ug/L	100
44) Toluene	10.39	91	434131	27.589	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	135182	28.224	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	73170	28.752	ug/L	98
47) Tetrachloroethene	10.87	164	82106	26.455	ug/L	95
49) 2-Hexanone	10.97	43	90287	62.317	ug/L	97
50) Dibromochloromethane	11.13	129	84595	28.397	ug/L	95
51) 1,2-Dibromoethane	11.24	107	70215	28.463	ug/L	94
52) Chlorobenzene	11.66	112	269320	27.230	ug/L	99
53) Ethylbenzene	11.73	91	488913	27.480	ug/L	100
54) m,p-Xylene	11.84	106	182183	27.396	ug/L	96
55) o-xylene	12.17	106	173499	27.299	ug/L	98
56) Styrene	12.18	104	303571	28.139	ug/L	100
57) Isopropylbenzene	12.47	105	477076	27.176	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	88949	29.373	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	66944	29.270	ug/L	99
62) Bromoform	12.35	173	47464	28.247	ug/L #	97
63) 1,3-Dichlorobenzene	13.50	146	204041	26.261	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	202592	26.174	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	184980	26.926	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	14401	29.268	ug/L	90
67) 1,3,5-Trichlorobenzene	14.63	180	144371	27.094	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	112965	26.274	ug/L	98
69) Naphthalene	15.37	128	221097	28.107	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	100397	27.009	ug/L	98

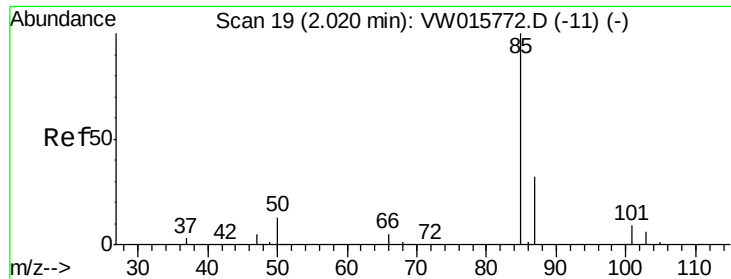
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 29.723 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.01 min

Lab File: VW015777.D

Acq: 02 Jul 2020 10:25

Instrument :

MSVOA_W

ClientSampleId :

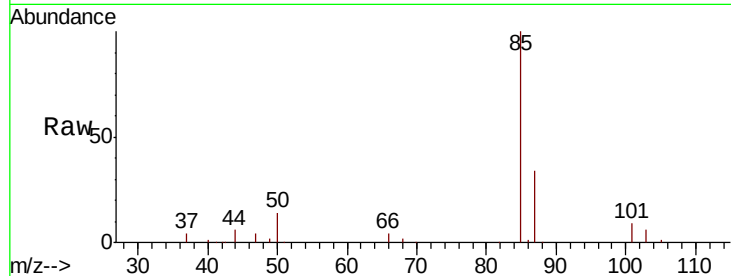
VSTD02520

Tot Ion: 85 Resp: 78096

Ion Ratio Lower Upper

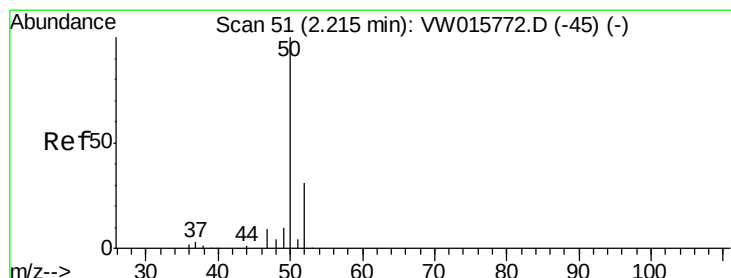
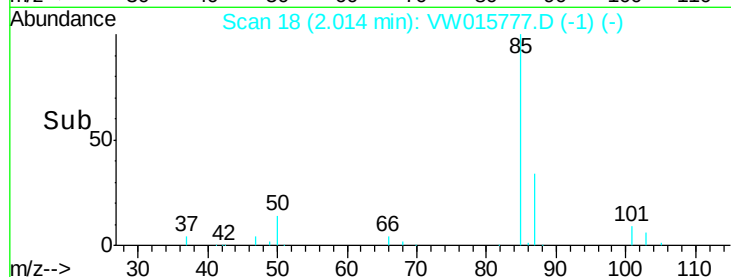
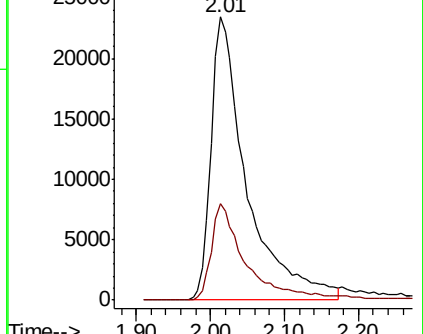
85 100

87 31.3 21.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 26.894 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015777.D

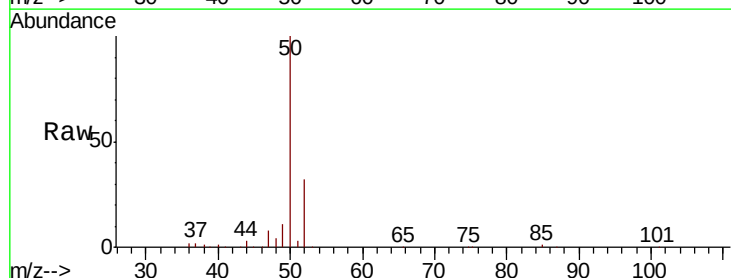
Acq: 02 Jul 2020 10:25

Tgt Ion: 50 Resp: 76044

Ion Ratio Lower Upper

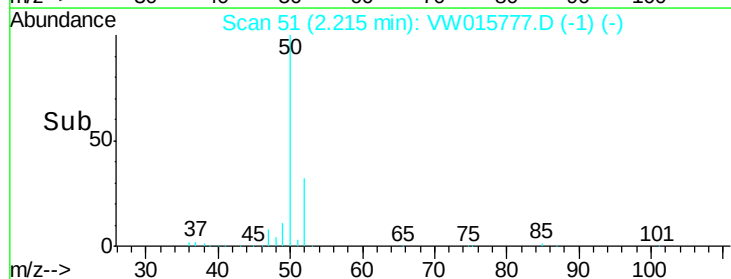
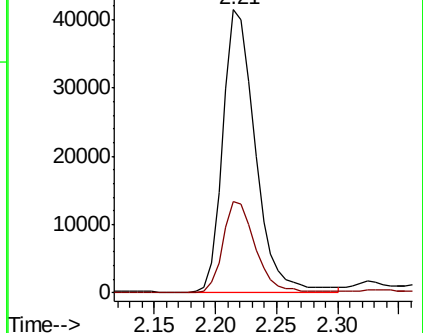
50 100

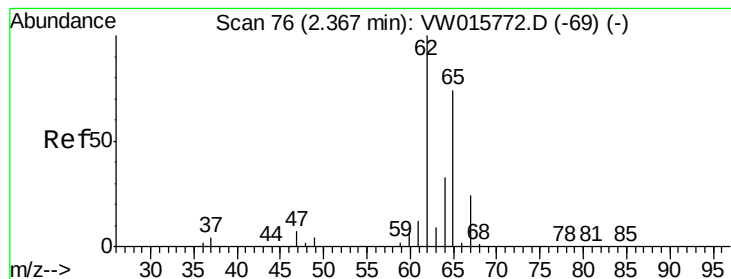
52 32.1 23.7 44.1



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 27.963 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015777.D

Acq: 02 Jul 2020 10:25

Instrument :

MSVOA_W

ClientSampleId :

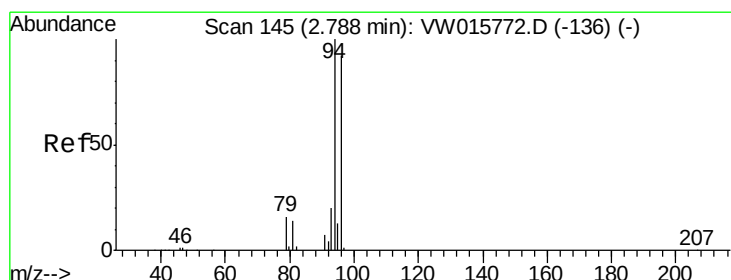
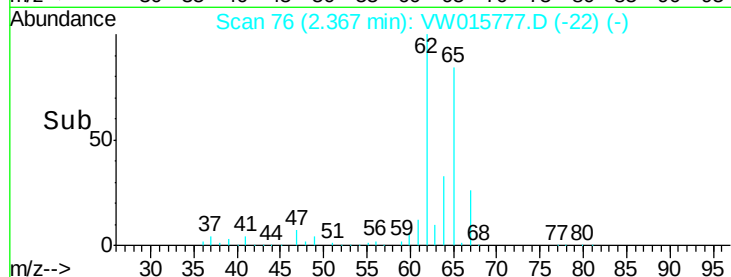
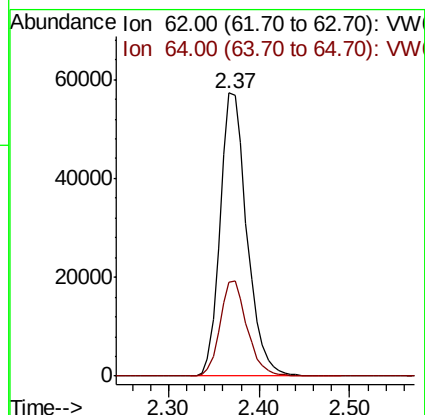
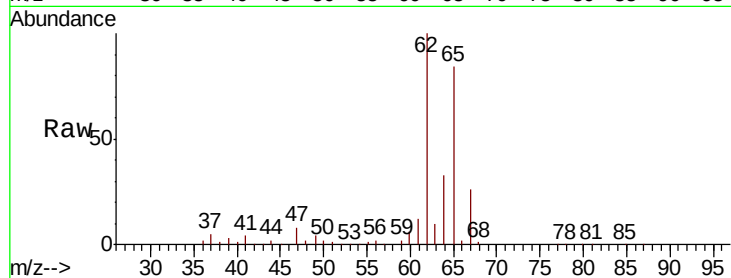
VSTD02520

Tot Ion: 62 Resp: 118424

Ion Ratio Lower Upper

62 100

64 33.3 23.2 43.0



#6

Bromomethane

Concen: 28.154 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW015777.D

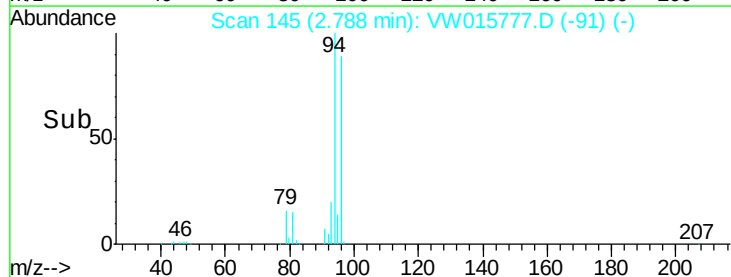
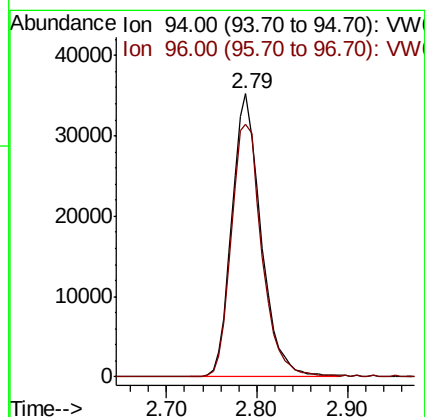
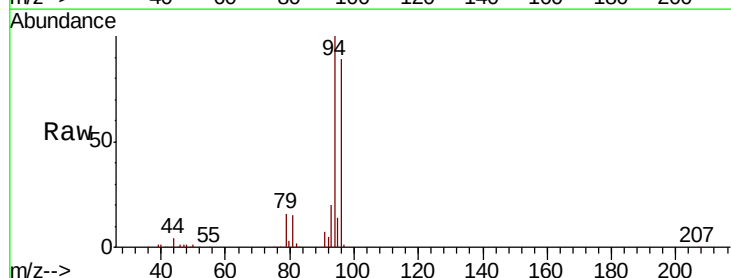
Acq: 02 Jul 2020 10:25

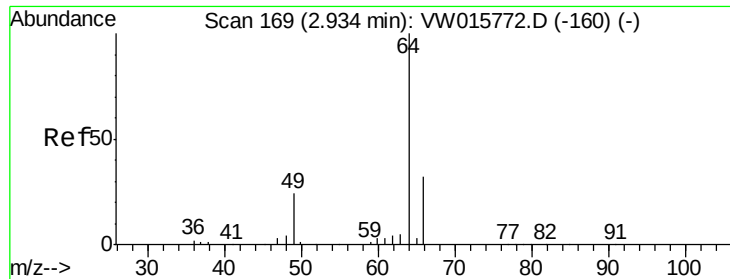
Tgt Ion: 94 Resp: 78997

Ion Ratio Lower Upper

94 100

96 93.7 9.4 179.2

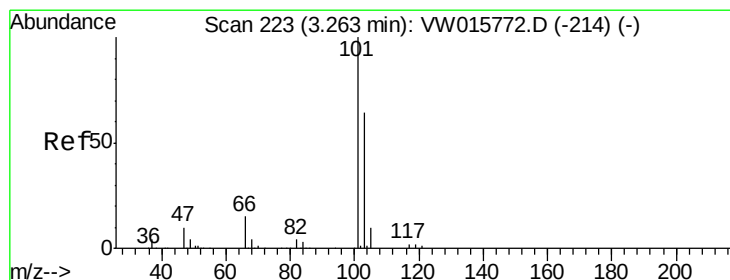
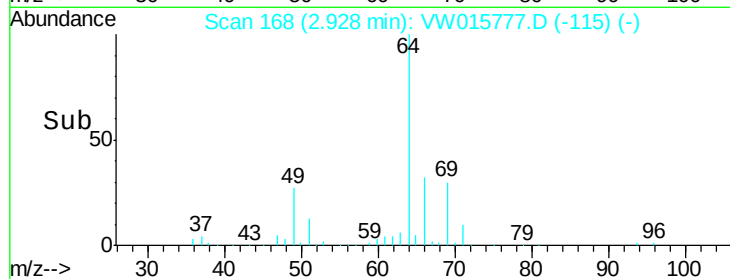
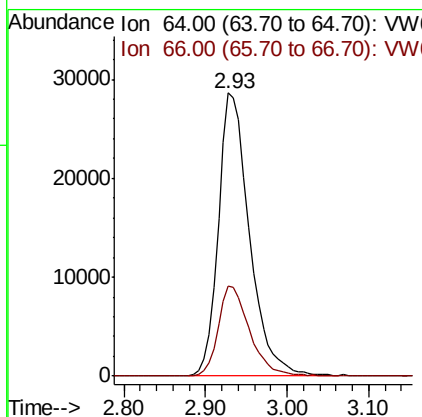
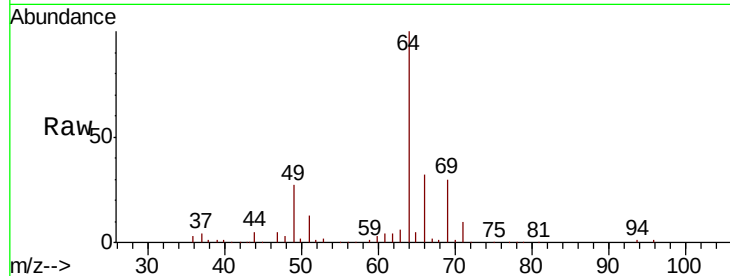




#8
Chloroethane
Concen: 28.741 ug/L
RT: 2.93 min Scan# 168
Delta R.T. -0.01 min
Lab File: VW015777.D
Acq: 02 Jul 2020 10:25

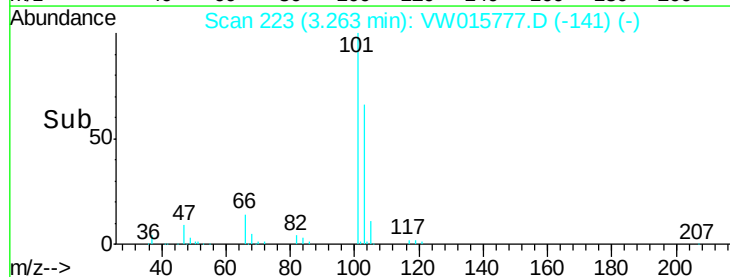
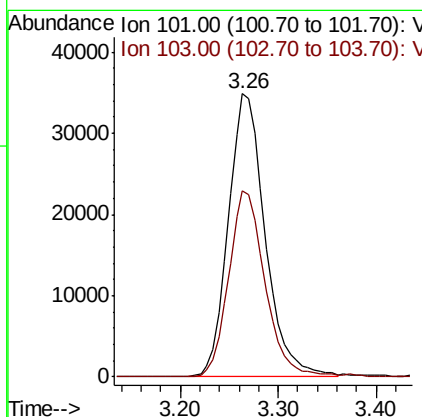
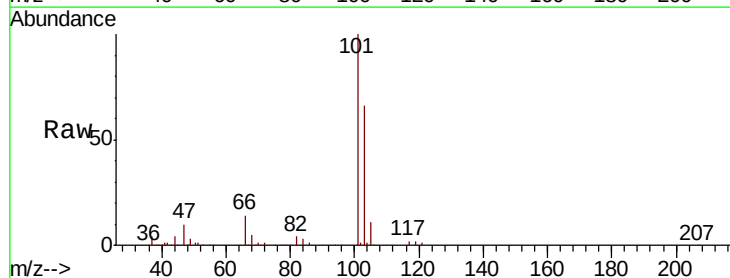
Instrument :
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VSTD02520

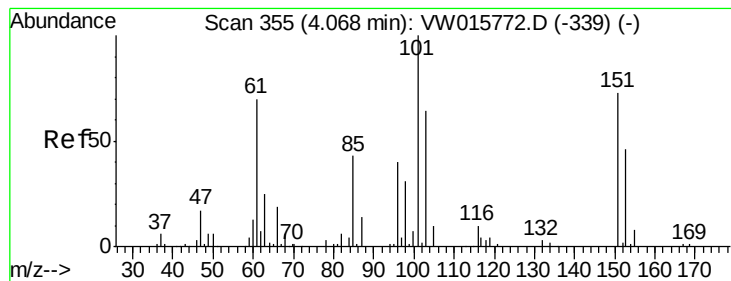
Tot Ion: 64 Resp: 75940
Ion Ratio Lower Upper
64 100
66 31.9 21.6 40.2



#9
Trichlorofluoromethane
Concen: 29.355 ug/L
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW015777.D
Acq: 02 Jul 2020 10:25

Tgt Ion: 101 Resp: 90908
Ion Ratio Lower Upper
101 100
103 64.8 44.4 82.4





#11

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

Concen: 27.960 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW015777.D

Acq: 02 Jul 2020 10:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD02520

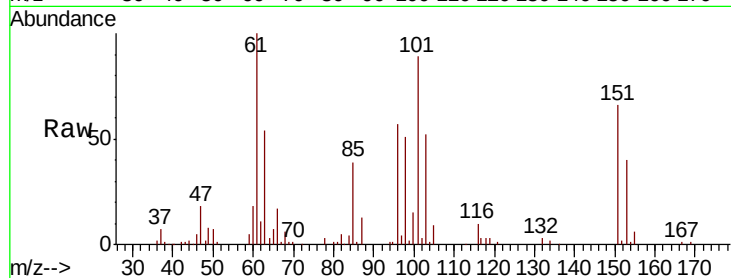
Tot Ion:101 Resp: 93876

Ion Ratio Lower Upper

101 100

85 45.0 34.4 51.6

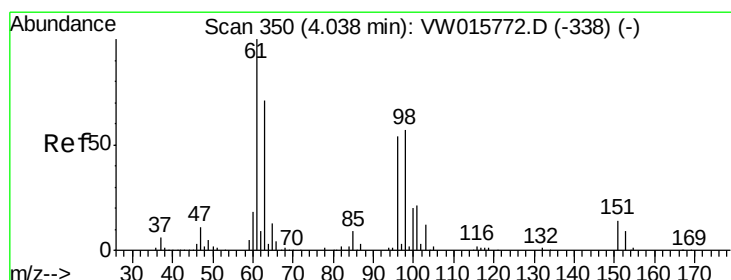
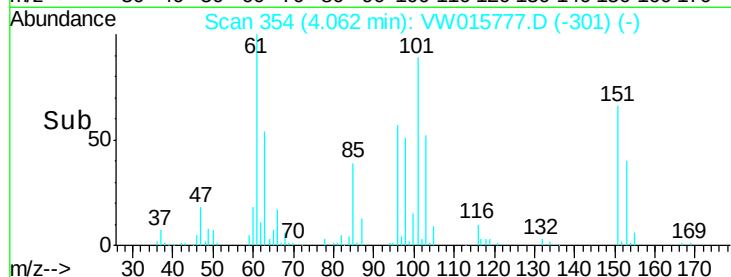
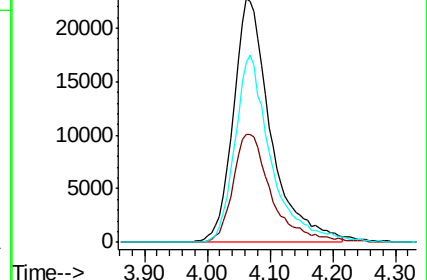
151 72.6 58.6 88.0



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: 27.419 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW015777.D

Acq: 02 Jul 2020 10:25

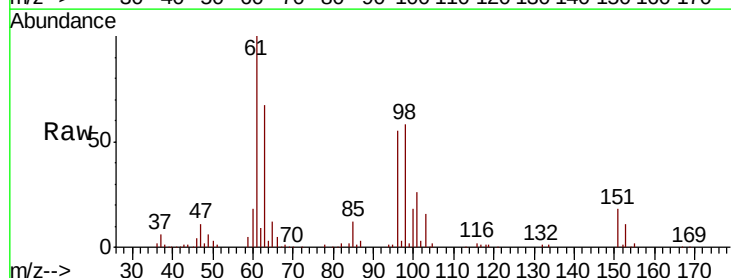
Tgt Ion: 96 Resp: 88866

Ion Ratio Lower Upper

96 100

61 181.0 128.0 237.6

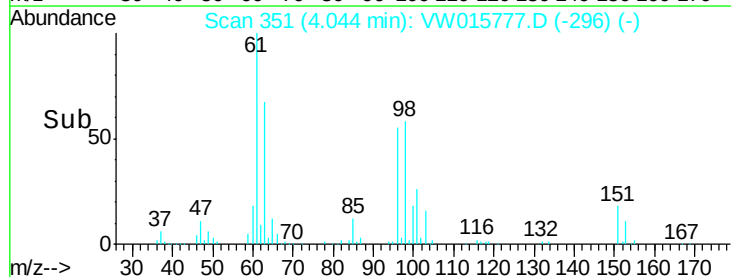
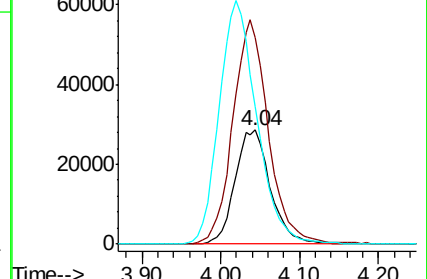
63 120.8 112.3 208.7

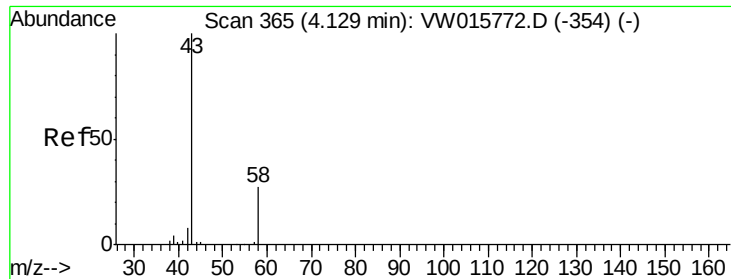


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 66.605 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW015777.D

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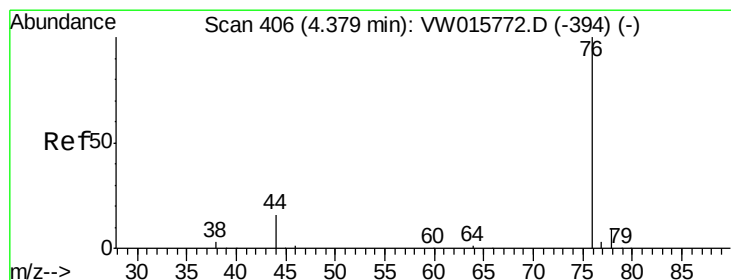
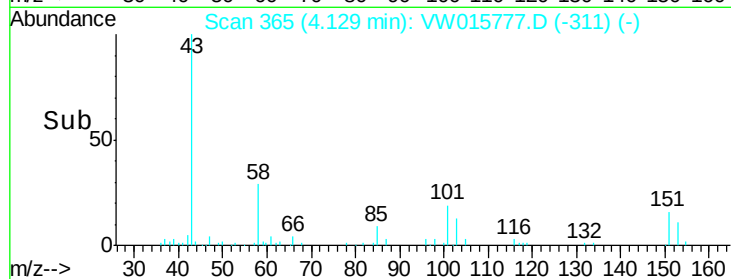
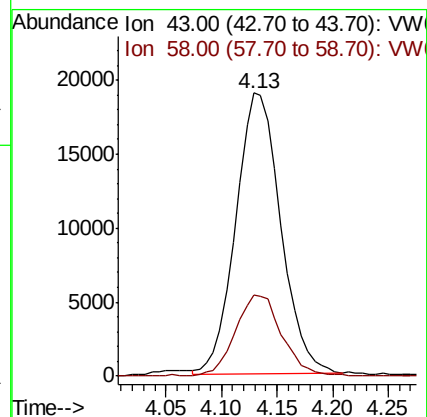
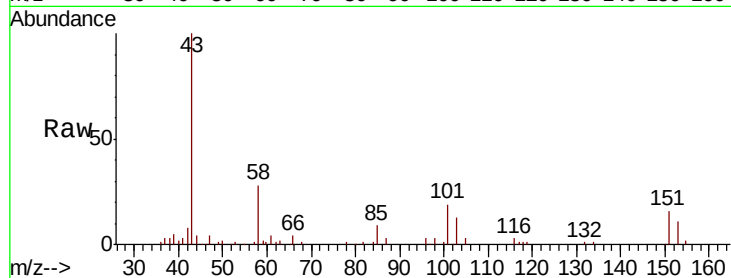
VSTD02520

Tot Ion: 43 Resp: 53286

Ion Ratio Lower Upper

43 100

58 30.0 0.0 59.4



#14

Carbon disulfide

Concen: 27.765 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW015777.D

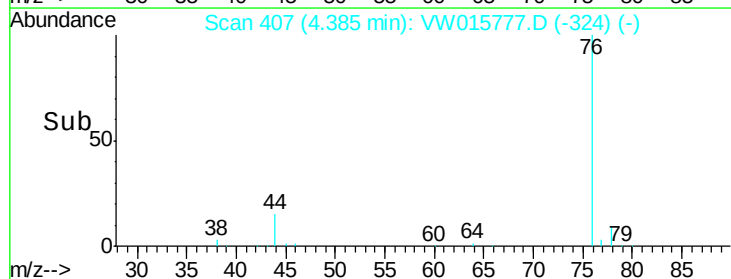
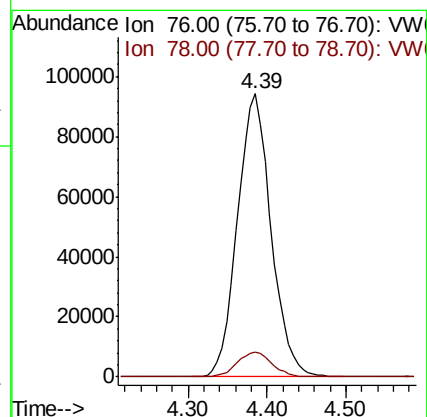
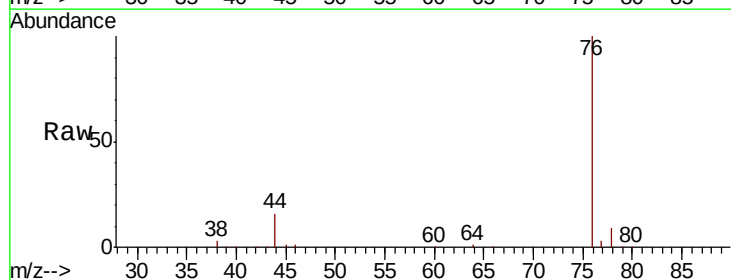
Acq: 02 Jul 2020 10:25

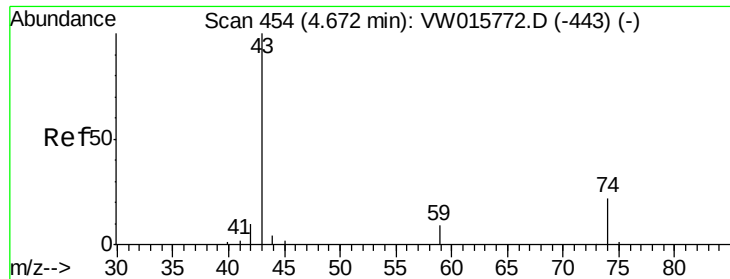
Tgt Ion: 76 Resp: 279444

Ion Ratio Lower Upper

76 100

78 9.0 6.9 10.3

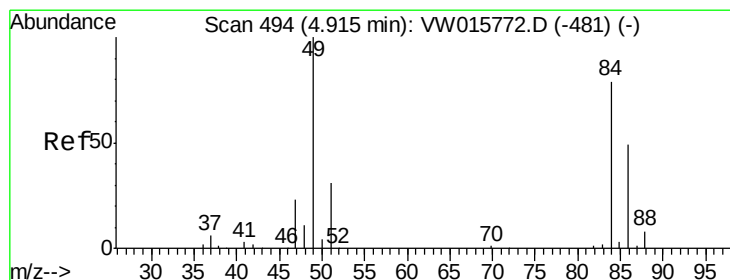
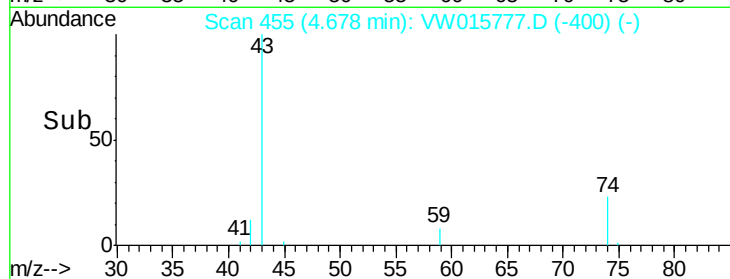
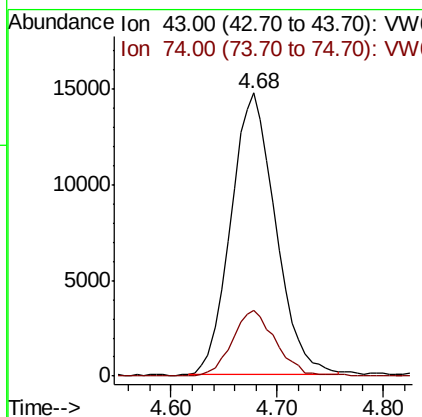
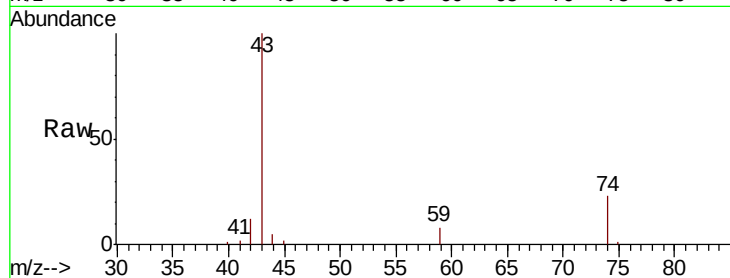




#15
Methyl Acetate
Concen: 30.295 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW015777.D
Acq: 02 Jul 2020 10:25

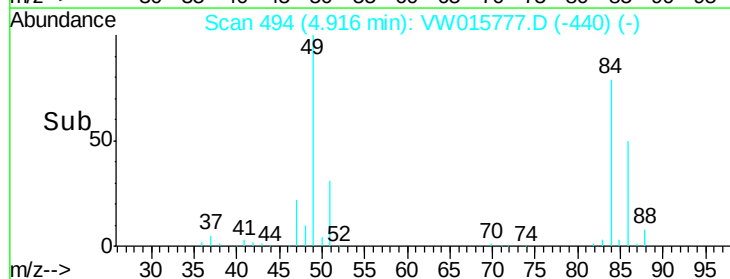
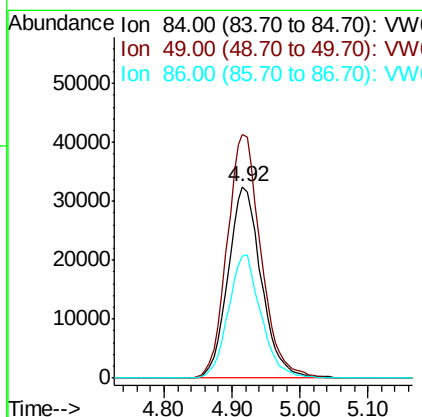
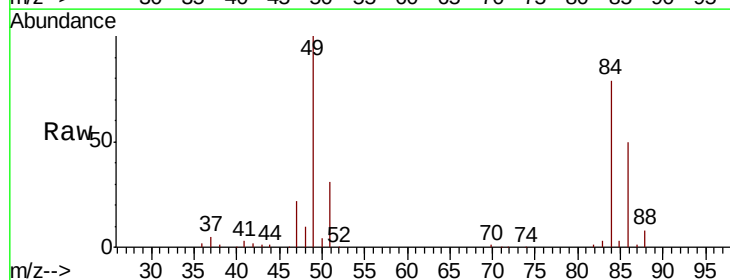
Instrument :
MSVOA_W
ClientSampleId :
VSTD02520

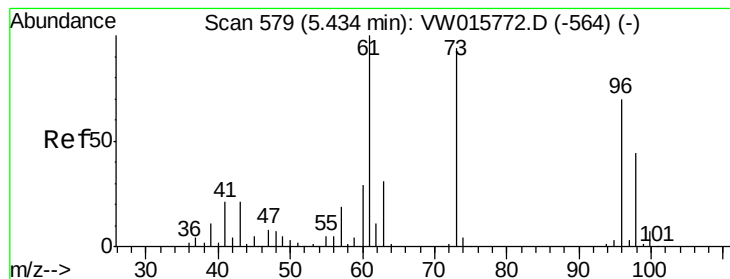
Tot Ion: 43 Resp: 43419
Ion Ratio Lower Upper
43 100
74 22.4 18.4 27.6



#16
Methylene chloride
Concen: 26.880 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015777.D
Acq: 02 Jul 2020 10:25

Tgt Ion: 84 Resp: 109908
Ion Ratio Lower Upper
84 100
49 127.0 90.0 167.2
86 63.5 44.0 81.8



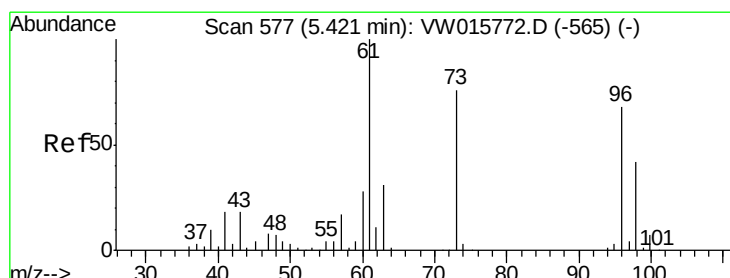
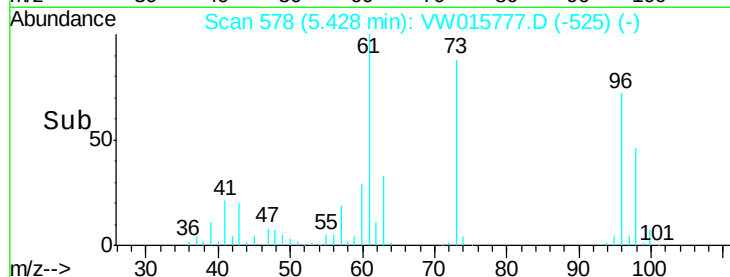
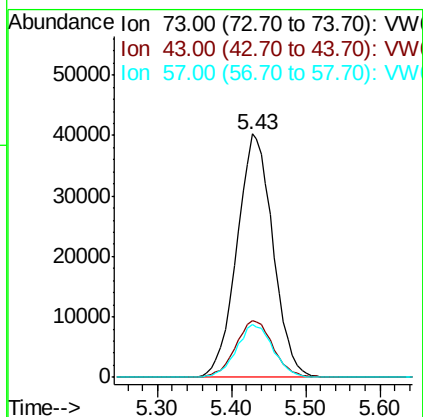
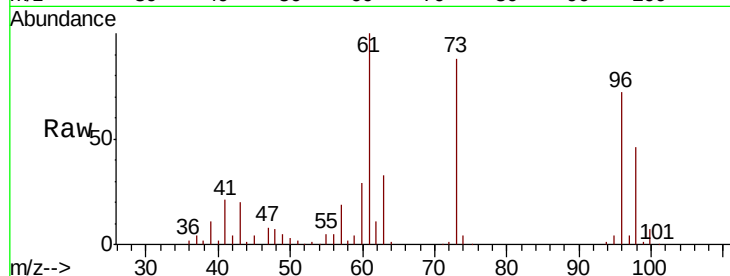


#17

Methyl tert-butyl Ether
 Concen: 27.437 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: VW015777.D
 Acq: 02 Jul 2020 10:25

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02520

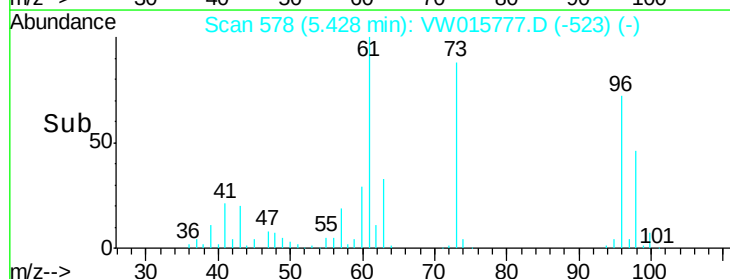
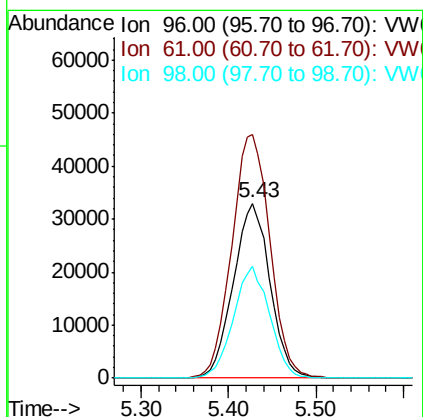
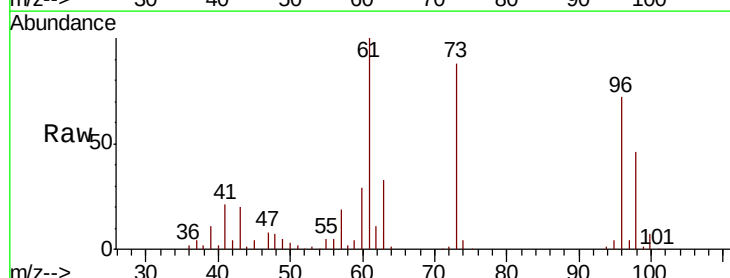
Tot Ion: 73 Resp: 136256
 Ion Ratio Lower Upper
 73 100
 43 24.2 19.0 28.4
 57 21.9 17.3 25.9

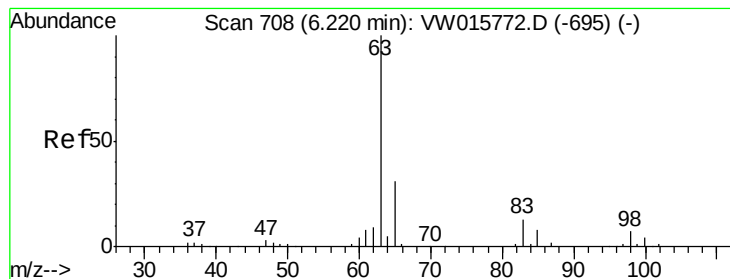


#18

trans-1,2-Dichloroethene
 Concen: 27.642 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW015777.D
 Acq: 02 Jul 2020 10:25

Tgt Ion: 96 Resp: 96177
 Ion Ratio Lower Upper
 96 100
 61 139.1 98.5 182.9
 98 63.8 44.4 82.4





#19

1,1-Dichloroethane

Concen: 28.039 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015777.D

Acq: 02 Jul 2020 10:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD02520

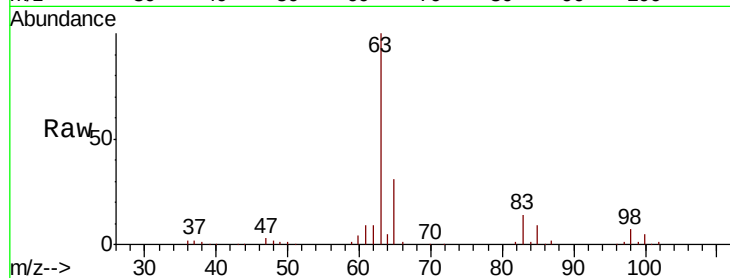
Tot Ion: 63 Resp: 175894

Ion Ratio Lower Upper

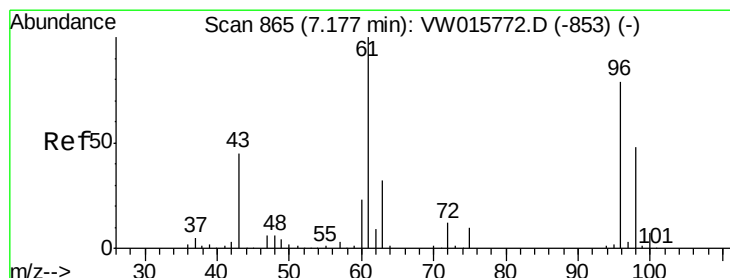
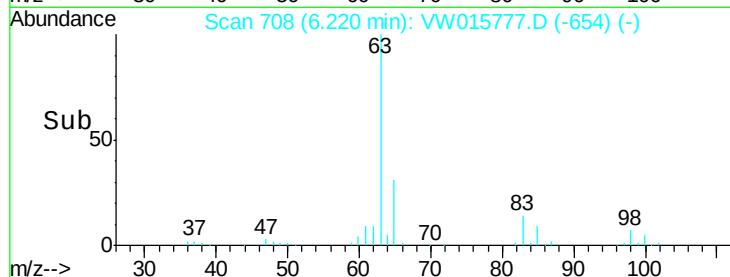
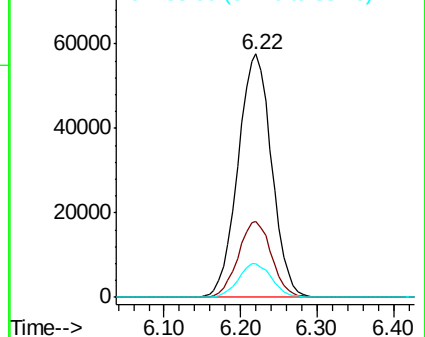
63 100

65 31.3 22.3 41.3

83 13.9 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: 65.109 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW015777.D

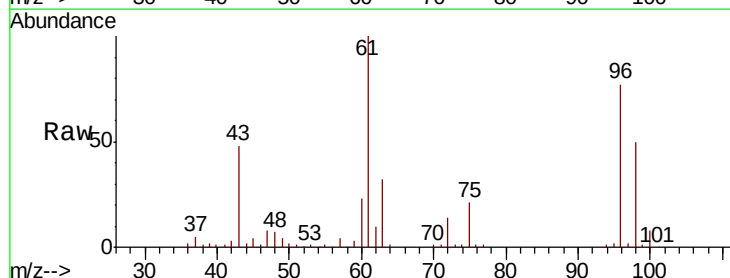
Acq: 02 Jul 2020 10:25

Tgt Ion: 43 Resp: 64394

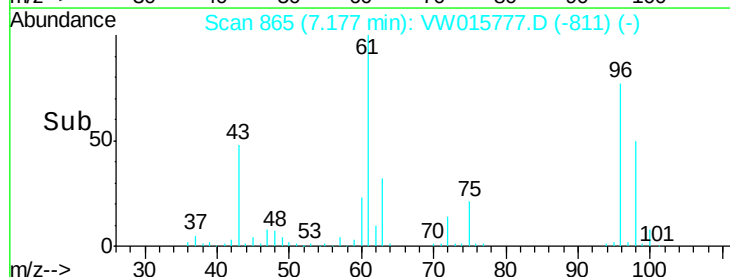
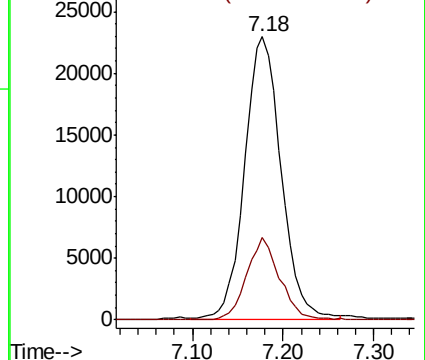
Ion Ratio Lower Upper

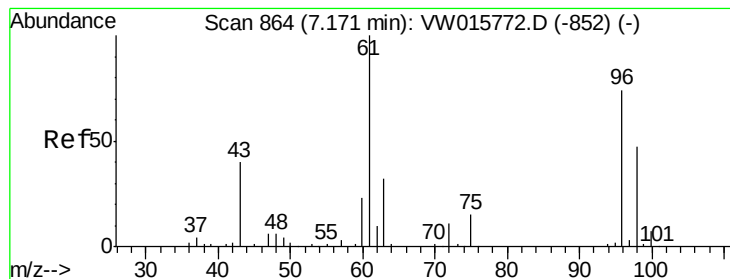
43 100

72 26.2 13.7 41.1



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



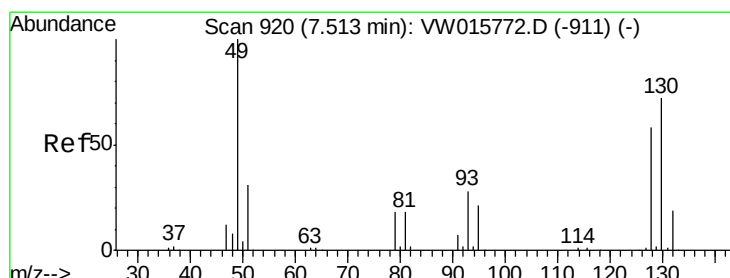
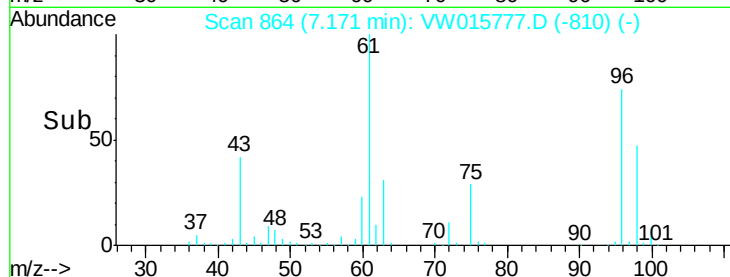
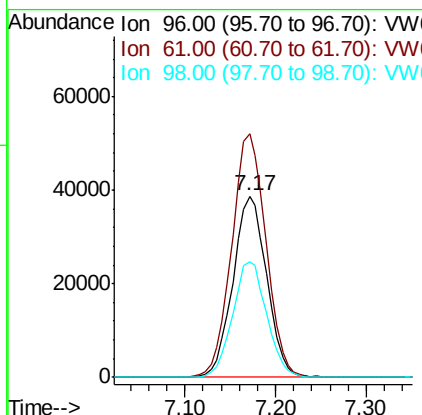
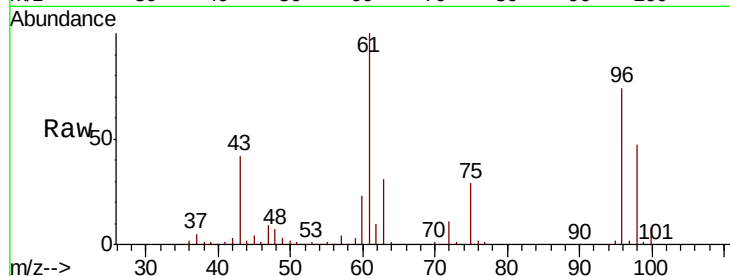


#22

cis-1,2-Dichloroethene
 Concen: 27.773 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW015777.D
 Acq: 02 Jul 2020 10:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

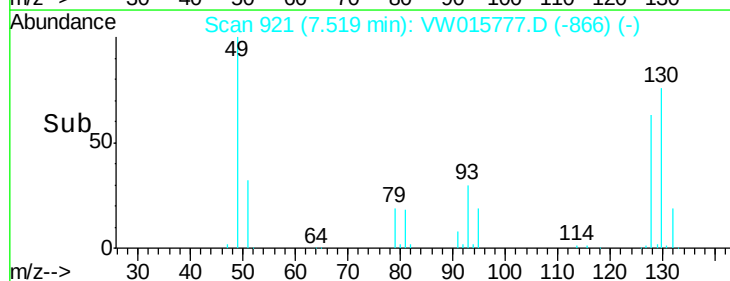
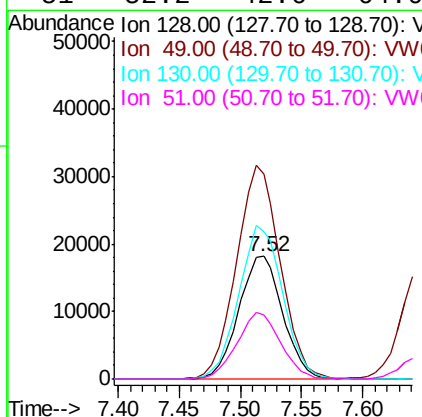
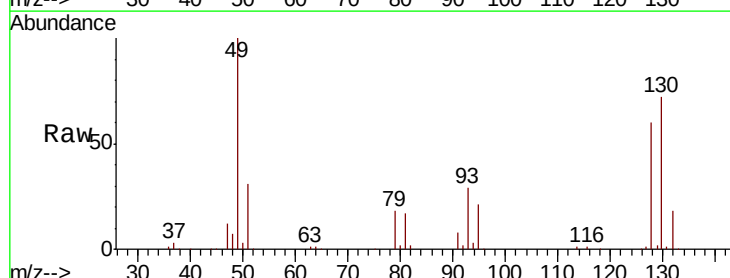
Tot Ion: 96 Resp: 99889
 Ion Ratio Lower Upper
 96 100
 61 134.4 90.8 168.6
 98 63.6 44.1 81.9

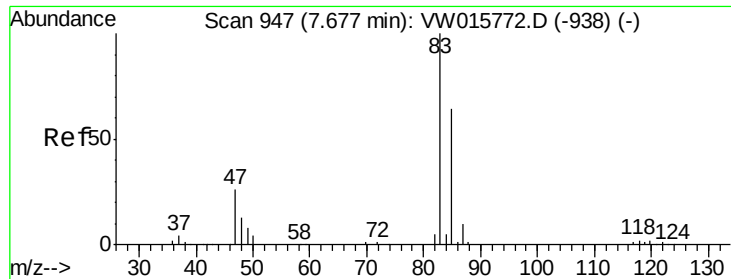


#23

Bromochloromethane
 Concen: 28.681 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW015777.D
 Acq: 02 Jul 2020 10:25

Tgt Ion: 128 Resp: 45436
 Ion Ratio Lower Upper
 128 100
 49 167.0 115.0 213.6
 130 120.5 85.1 158.1
 51 52.2 42.6 64.0

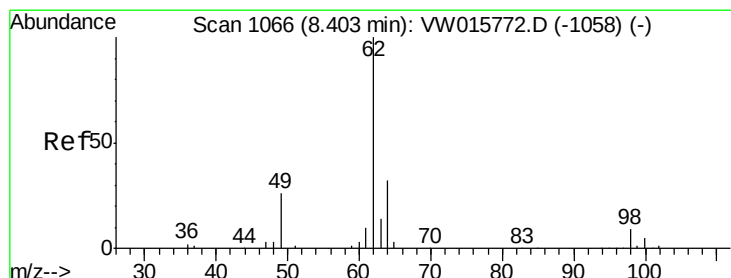
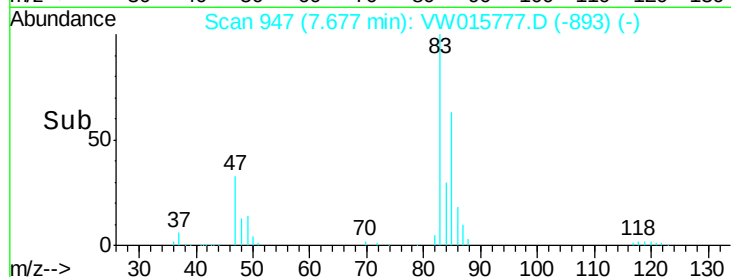
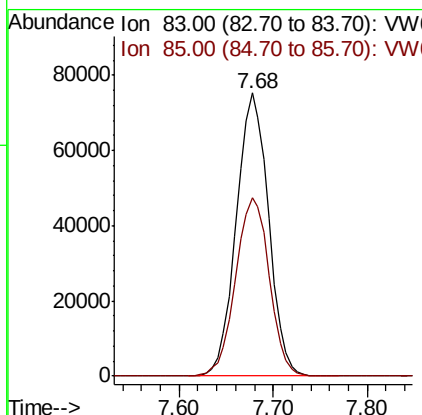
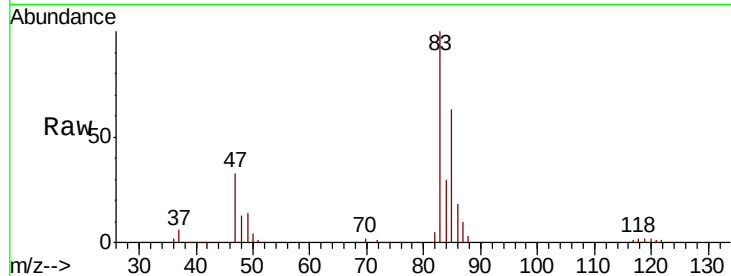




#25
Chloroform
Concen: 28.457 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015777.D
Acq: 02 Jul 2020 10:25

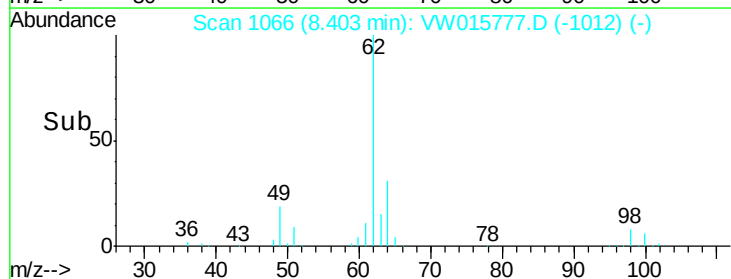
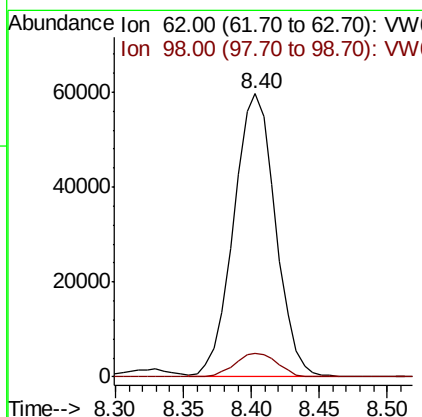
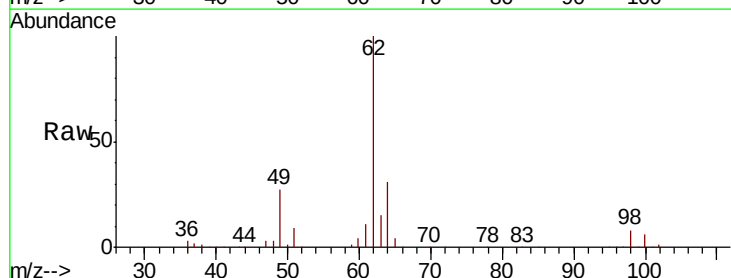
Instrument :
MSVOA_W
ClientSampleId :
VSTD02520

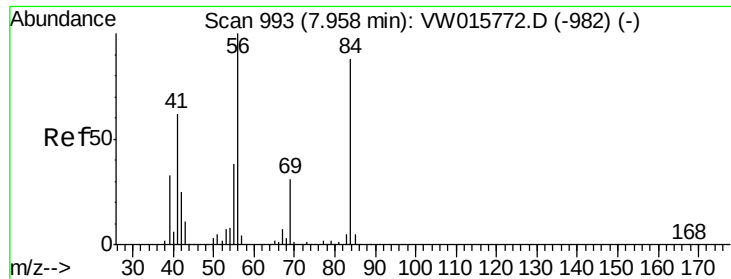
Tot Ion: 83 Resp: 180317
Ion Ratio Lower Upper
83 100
85 65.9 45.7 84.9



#27
1,2-Dichloroethane
Concen: 29.207 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015777.D
Acq: 02 Jul 2020 10:25

Tgt Ion: 62 Resp: 127967
Ion Ratio Lower Upper
62 100
98 8.4 7.0 10.4

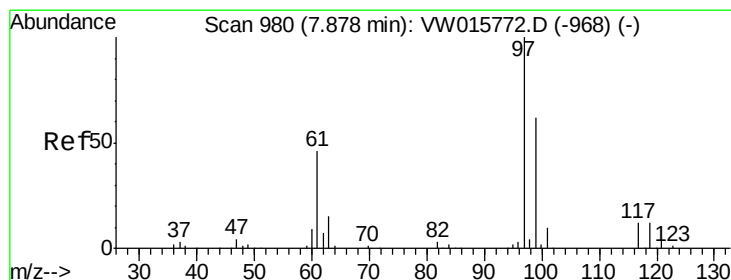
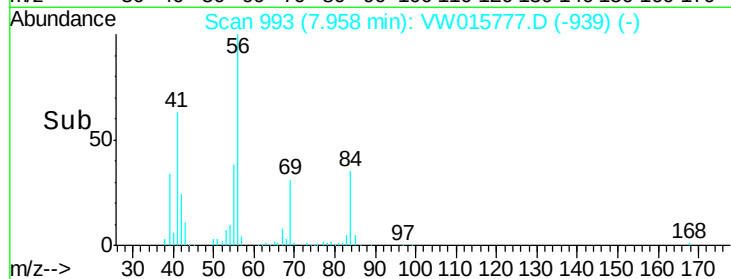
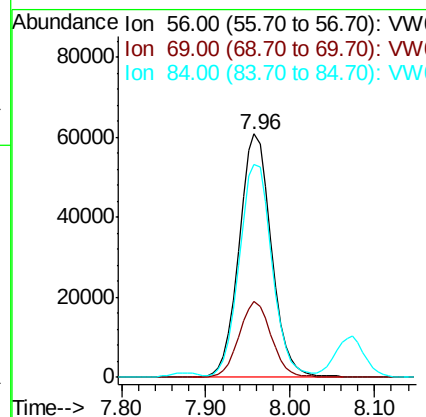
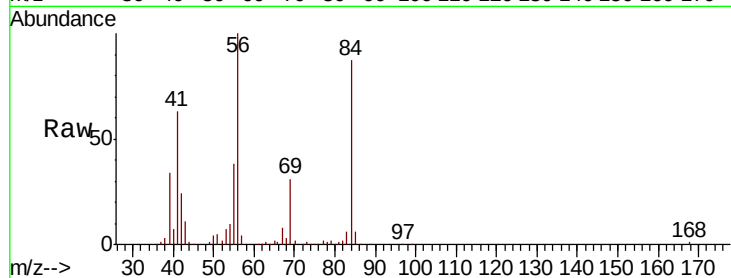




#30
Cyclohexane
Concen: 26.538 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW015777.D
Acq: 02 Jul 2020 10:25

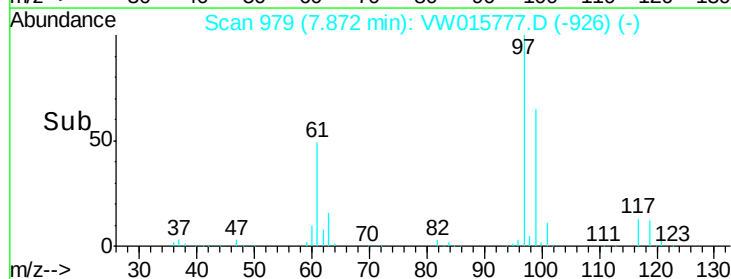
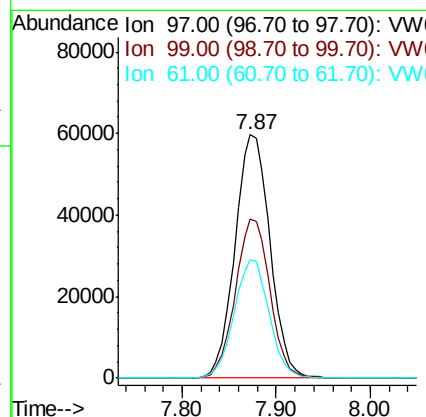
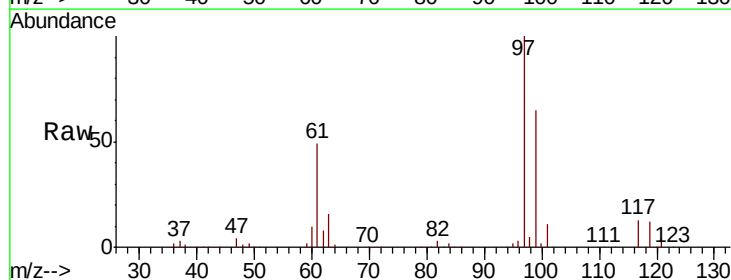
Instrument :
MSVOA_W
ClientSampleId :
VSTD02520

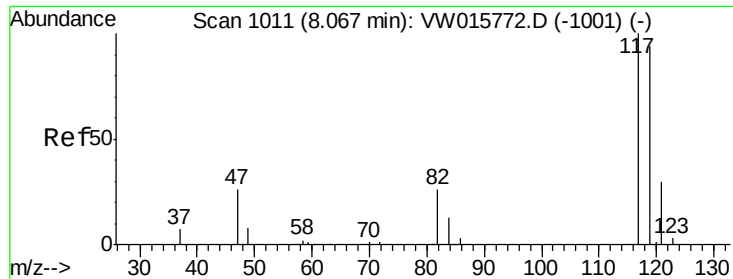
Tot Ion	56	Resp	157850
Ion Ratio	Lower	Upper	
56	100		
69	31.1	24.6	37.0
84	89.0	71.1	106.7



#31
1,1,1-Trichloroethane
Concen: 27.100 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW015777.D
Acq: 02 Jul 2020 10:25

Tgt Ion	97	Resp	154693
Ion Ratio	Lower	Upper	
97	100		
99	64.7	50.5	75.7
61	48.4	37.9	56.9





#32

Carbon tetrachloride

Concen: 27.154 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW015777.D

Acq: 02 Jul 2020 10:25

Instrument :

MSVOA_W

ClientSampleId :

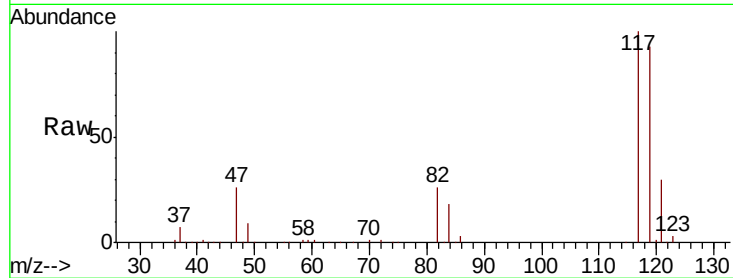
VSTD02520

Tot Ion:117 Resp: 140084

Ion Ratio Lower Upper

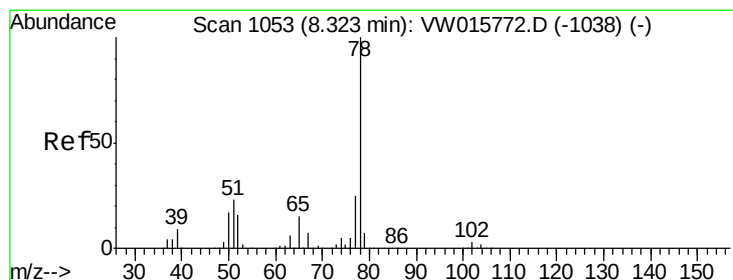
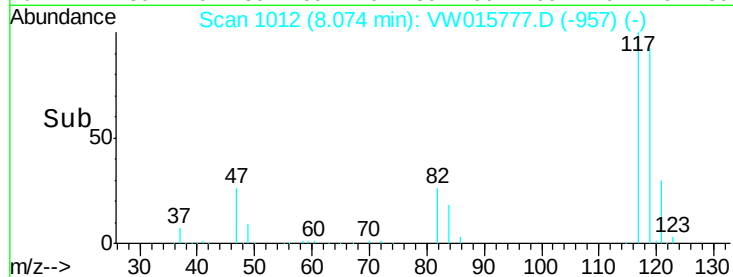
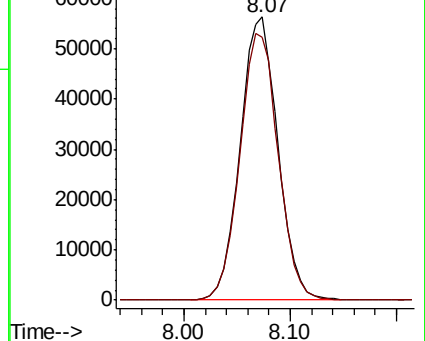
117 100

119 95.8 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: 27.232 ug/L

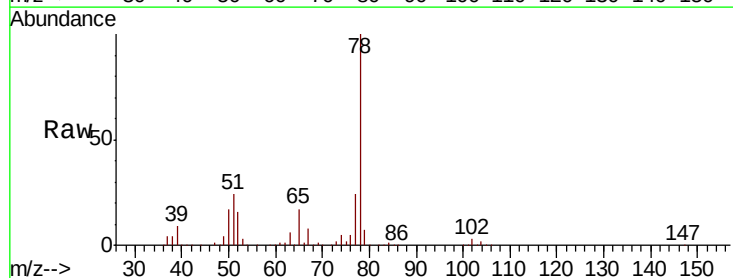
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

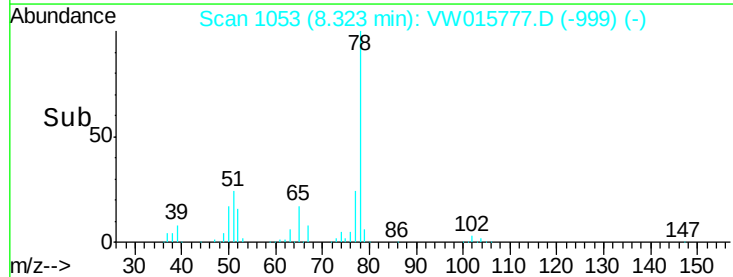
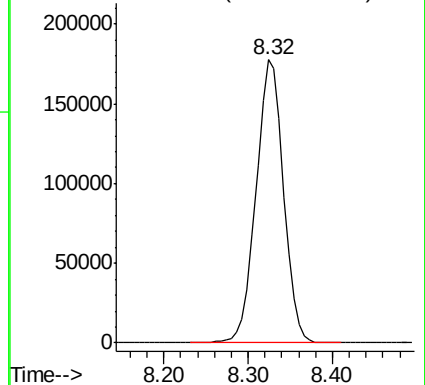
Lab File: VW015777.D

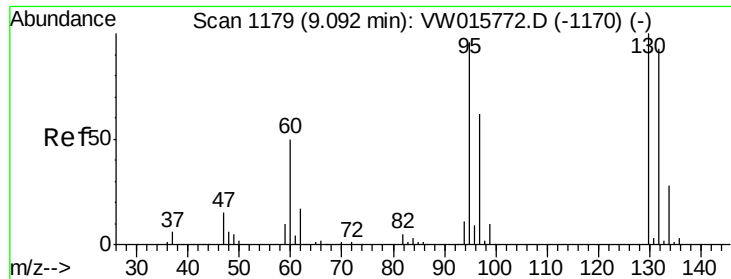
Acq: 02 Jul 2020 10:25

Tgt Ion: 78 Resp: 394425



Abundance Ion 78.00 (77.70 to 78.70): VW

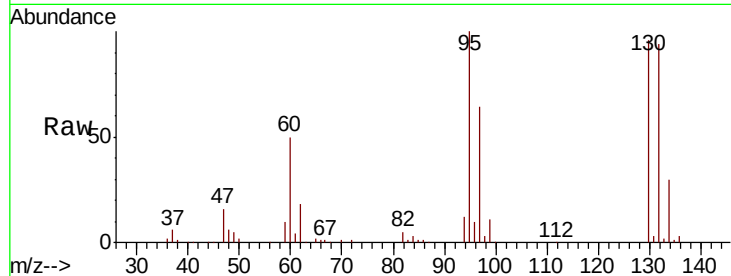




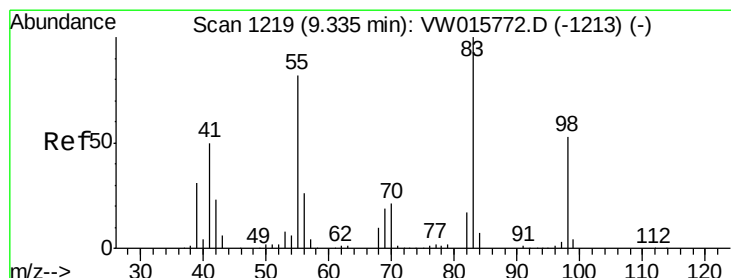
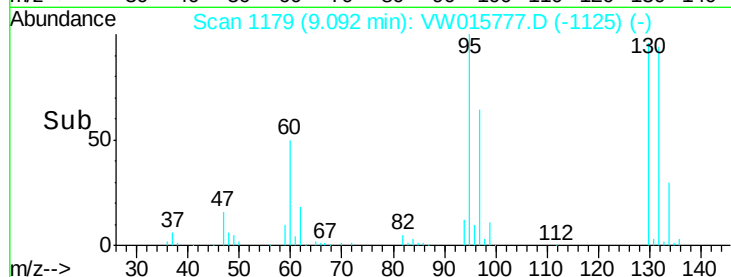
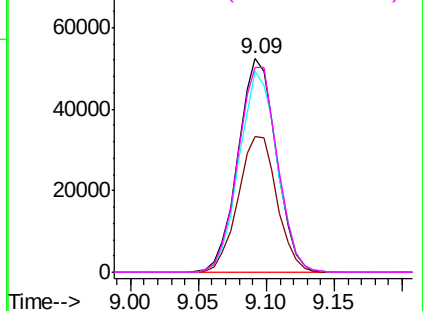
#35
 Trichloroethene
 Concen: 26.673 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW015777.D
 Acq: 02 Jul 2020 10:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

Tot Ion: 95 Resp: 103019
 Ion Ratio Lower Upper
 95 100
 97 64.5 44.9 83.3
 132 94.0 67.8 126.0
 130 99.0 70.1 130.1

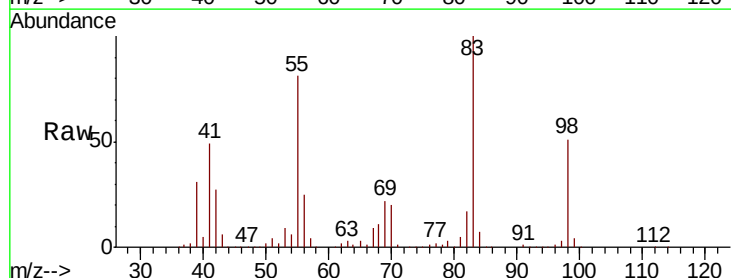


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

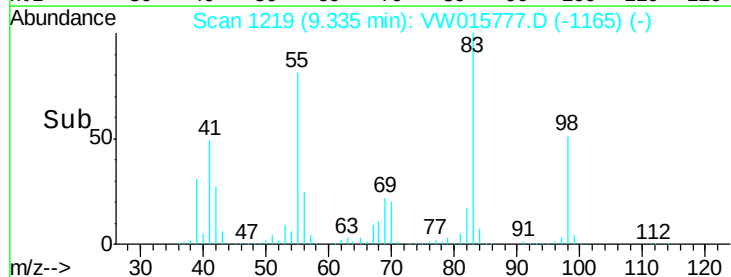
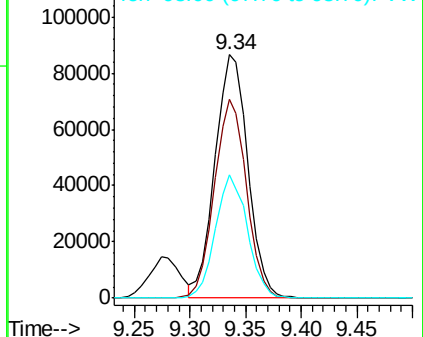


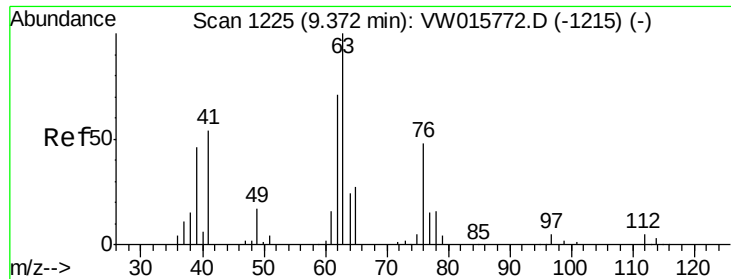
#36
 Methylcyclohexane
 Concen: 26.552 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW015777.D
 Acq: 02 Jul 2020 10:25

Tgt Ion: 83 Resp: 176884
 Ion Ratio Lower Upper
 83 100
 55 79.8 62.7 94.1
 98 49.4 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

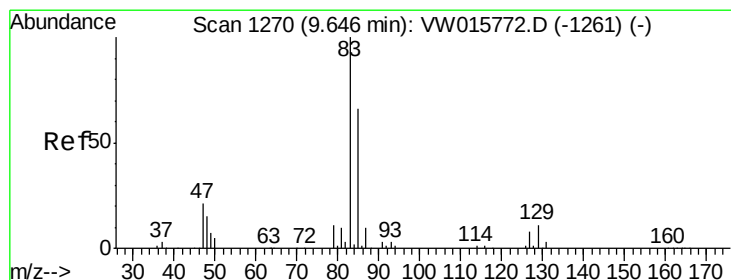
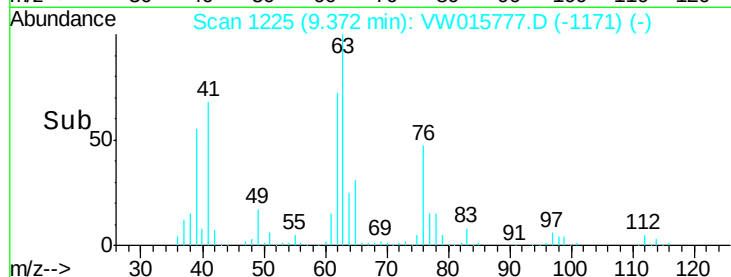
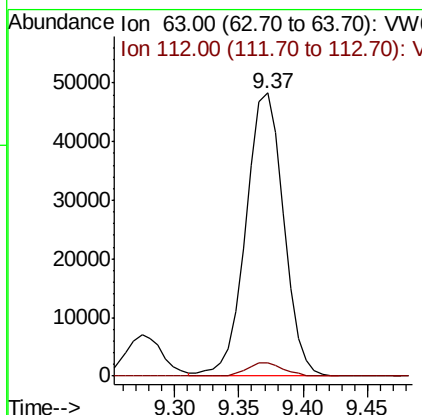
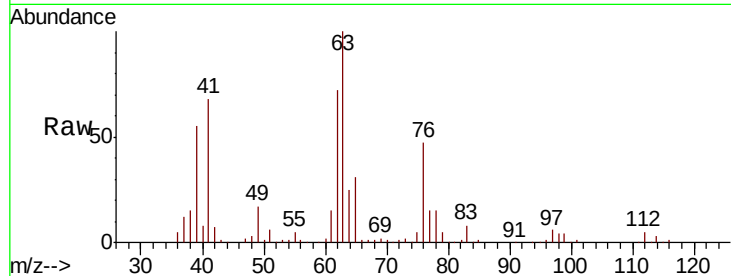




#40
 1,2-Dichloropropane
 Concen: 27.685 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015777.D
 Acq: 02 Jul 2020 10:25

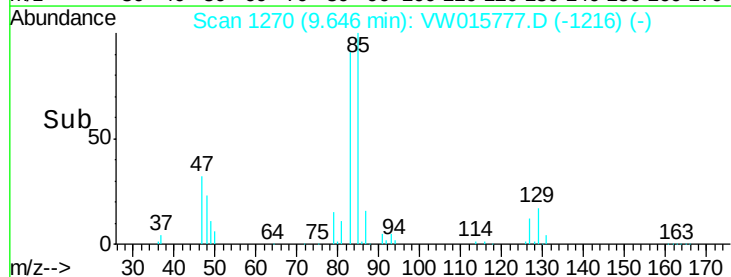
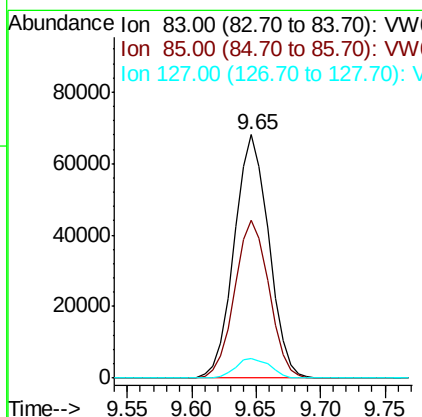
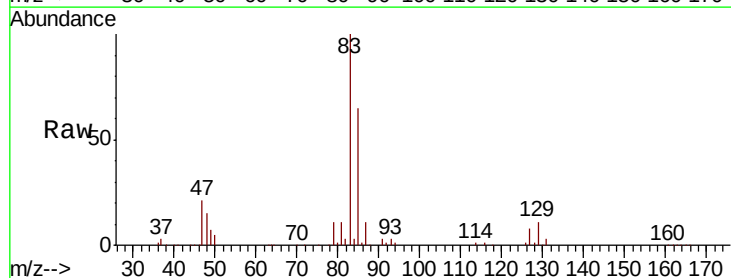
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

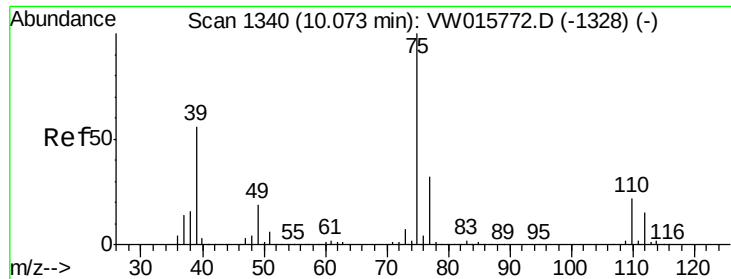
Tot Ion: 63 Resp: 97596
 Ion Ratio Lower Upper
 63 100
 112 4.5 4.0 6.0



#41
 Bromodichloromethane
 Concen: 27.676 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW015777.D
 Acq: 02 Jul 2020 10:25

Tgt Ion: 83 Resp: 126763
 Ion Ratio Lower Upper
 83 100
 85 64.8 44.1 81.9
 127 8.1 6.6 10.0

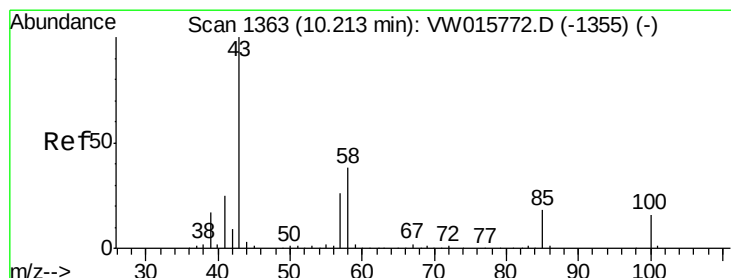
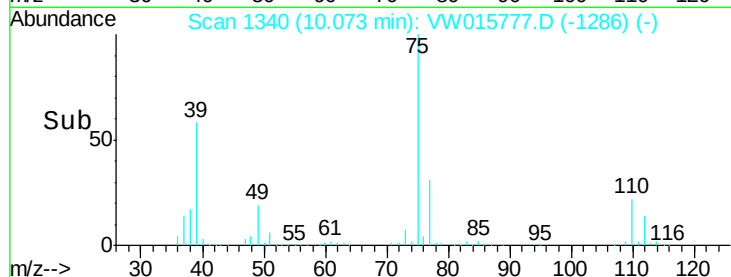
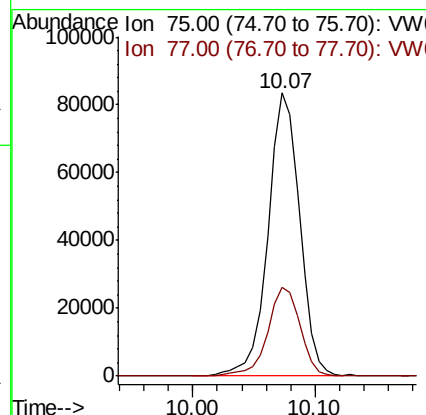
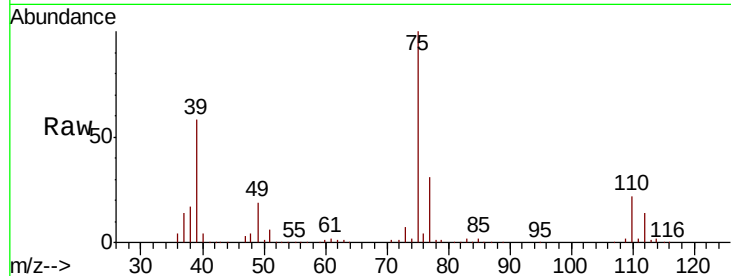




#42
 cis-1,3-Dichloropropene
 Concen: 27.406 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015777.D
 Acq: 02 Jul 2020 10:25

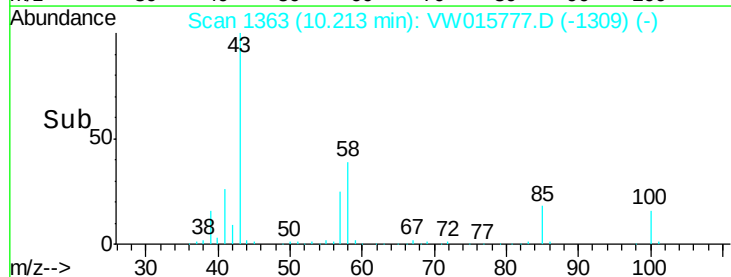
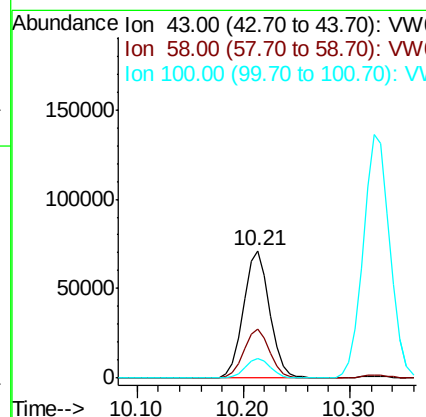
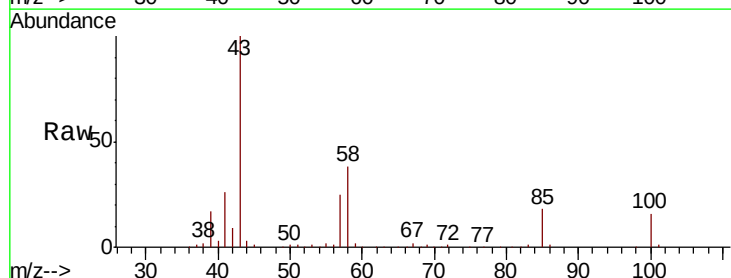
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

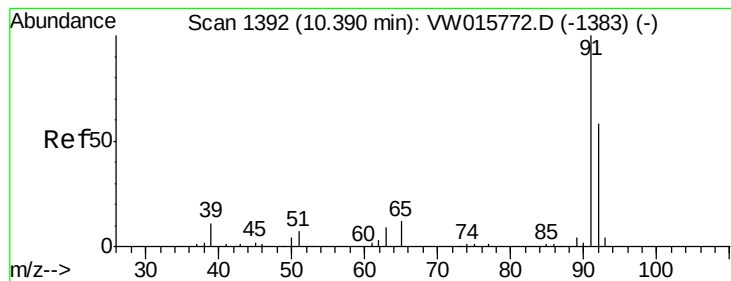
Tot Ion: 75 Resp: 150814
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.2 41.2



#43
 4-Methyl-2-pentanone
 Concen: 59.841 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW015777.D
 Acq: 02 Jul 2020 10:25

Tgt Ion: 43 Resp: 123077
 Ion Ratio Lower Upper
 43 100
 58 37.9 30.3 45.5
 100 15.4 12.8 19.2





#44

Toluene

Concen: 27.589 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015777.D

Acq: 02 Jul 2020 10:25

Instrument :

MSVOA_W

ClientSampleId :

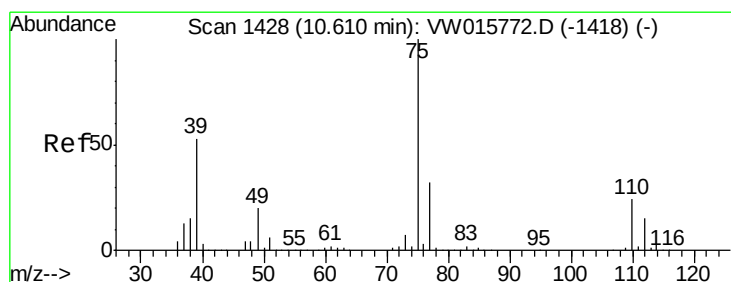
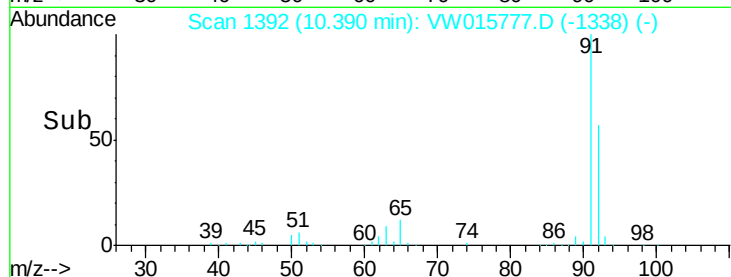
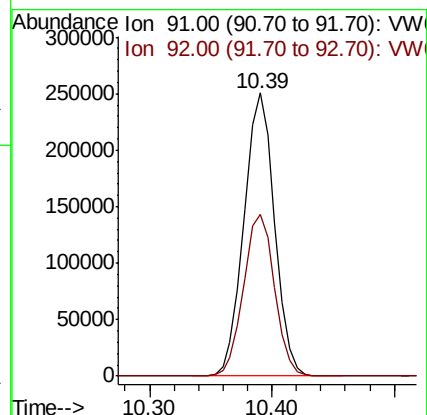
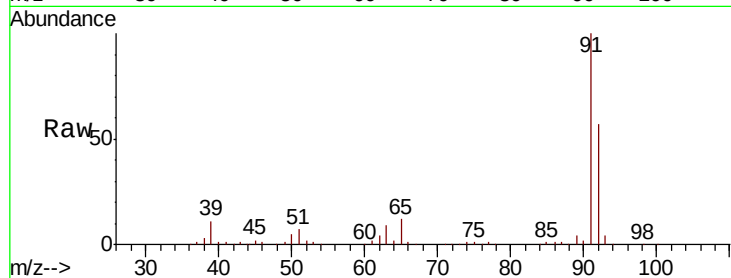
VSTD02520

Tot Ion: 91 Resp: 434131

Ion Ratio Lower Upper

91 100

92 57.1 41.3 76.7



#45

trans-1,3-Dichloropropene

Concen: 28.224 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW015777.D

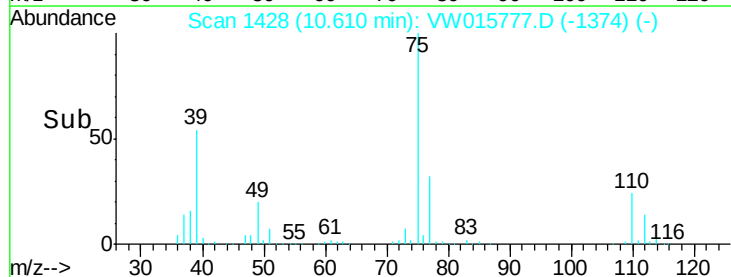
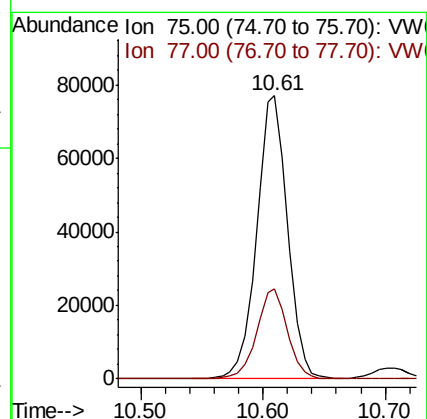
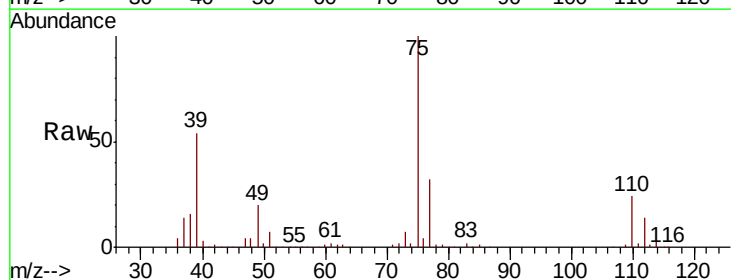
Acq: 02 Jul 2020 10:25

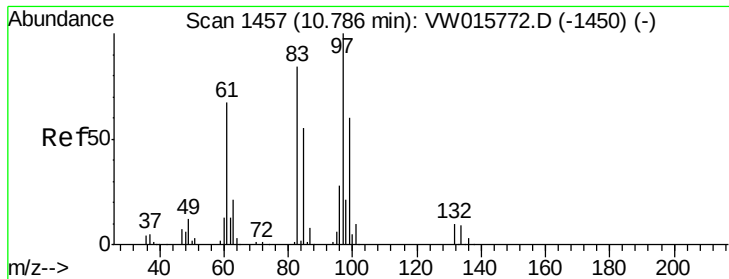
Tgt Ion: 75 Resp: 135182

Ion Ratio Lower Upper

75 100

77 31.8 22.5 41.7





#46

1,1,2-Trichloroethane

Concen: 28.752 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015777.D

Acq: 02 Jul 2020 10:25

Instrument :

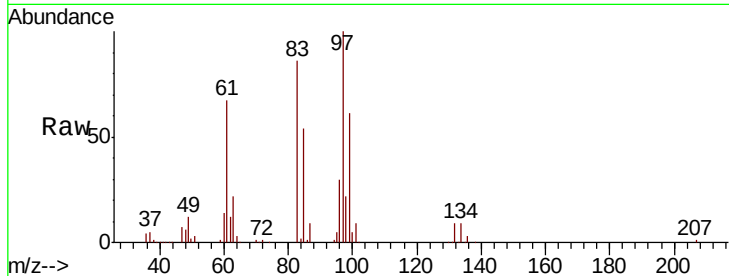
MSVOA_W

ClientSampleId :

VSTD02520

Tot Ion: 97 Resp: 73170

Ion	Ratio	Lower	Upper
97	100		
83	86.0	58.4	108.4
85	54.0	39.2	72.8
99	61.2	43.5	80.7



Abundance

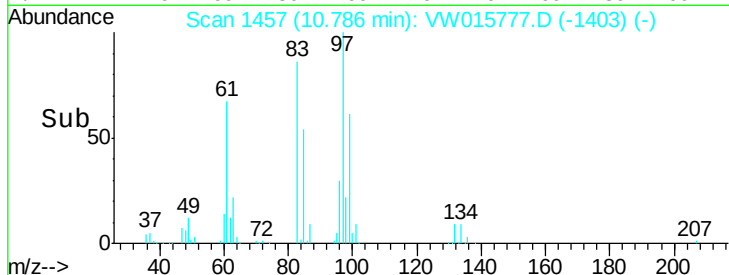
Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

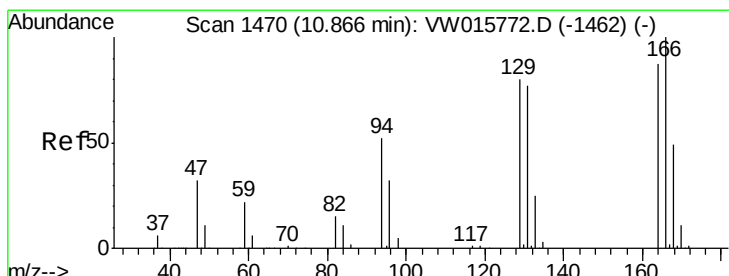
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW

Time-->



Time-->



#47

Tetrachloroethene

Concen: 26.455 ug/L

RT: 10.87 min Scan# 1470

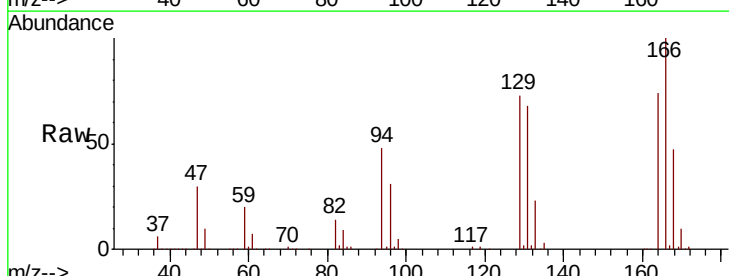
Delta R.T. 0.00 min

Lab File: VW015777.D

Acq: 02 Jul 2020 10:25

Tgt Ion: 164 Resp: 82106

Ion	Ratio	Lower	Upper
164	100		
129	98.7	66.1	122.8
131	90.9	63.6	118.0
166	134.3	86.9	161.3



Abundance

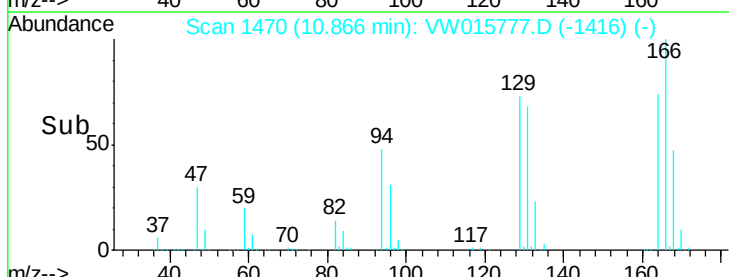
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

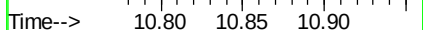
Ion 131.00 (130.70 to 131.70): V

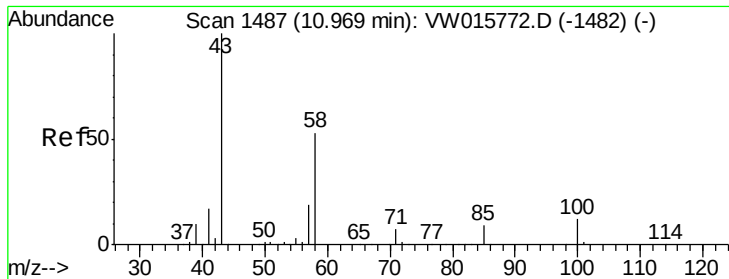
Ion 166.00 (165.70 to 166.70): V

Time-->



Time-->

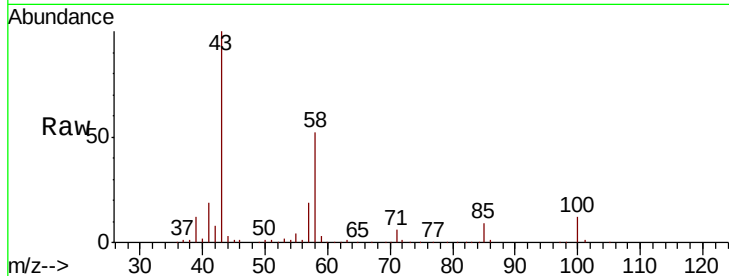




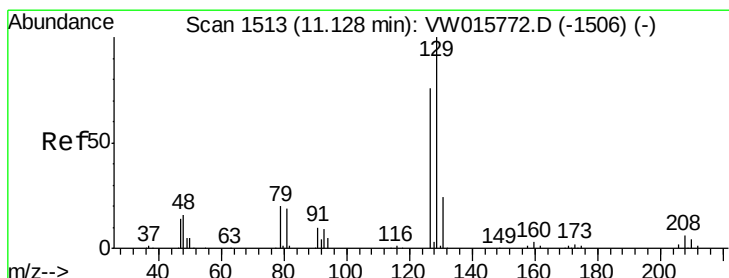
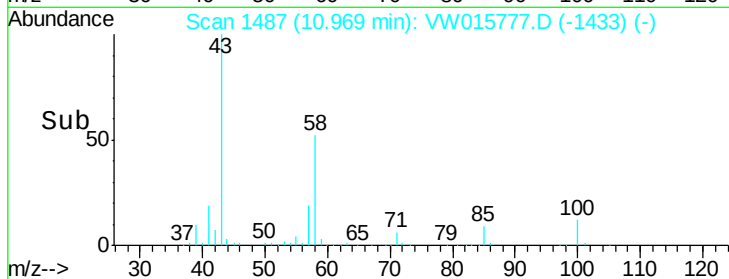
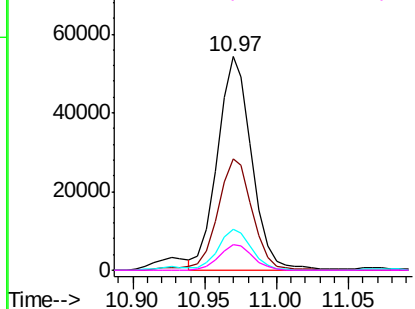
#49
2-Hexanone
Concen: 62.317 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015777.D
Acq: 02 Jul 2020 10:25

Instrument :
MSVOA_W
ClientSampleId :
VSTD02520

Tot Ion:	43	Resp:	90287
Ion	Ratio	Lower	Upper
43	100		
58	51.6	43.5	65.3
57	18.6	15.4	23.0
100	12.0	10.0	15.0

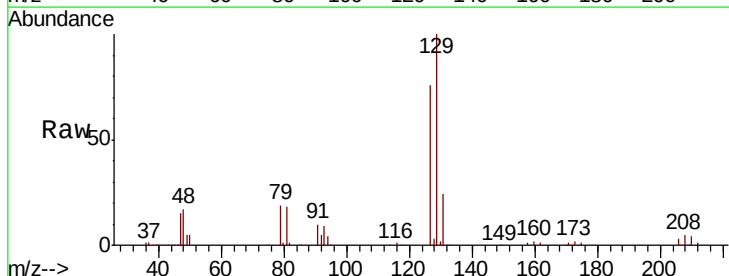


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

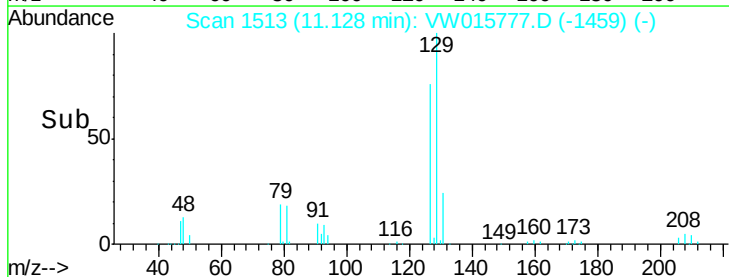
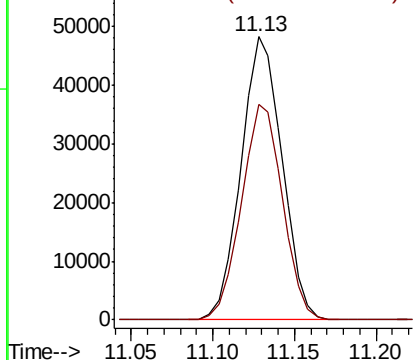


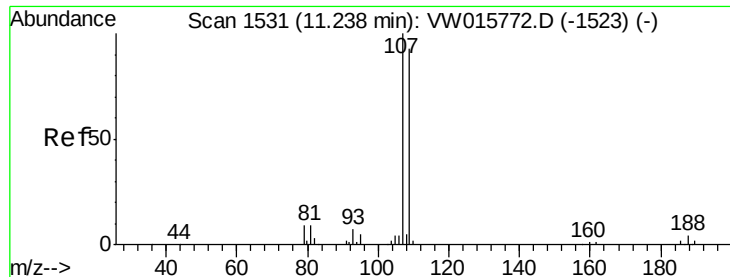
#50
Dibromochloromethane
Concen: 28.397 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015777.D
Acq: 02 Jul 2020 10:25

Tgt Ion:	129	Resp:	84595
Ion	Ratio	Lower	Upper
129	100		
127	76.2	50.7	94.1



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

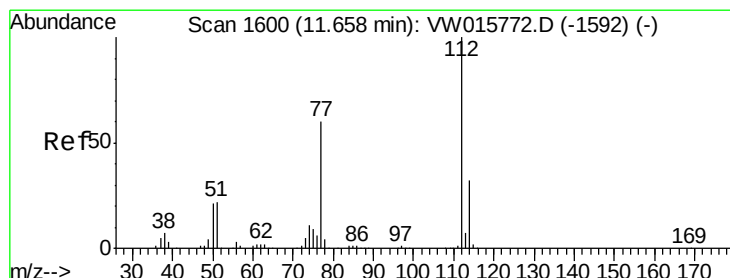
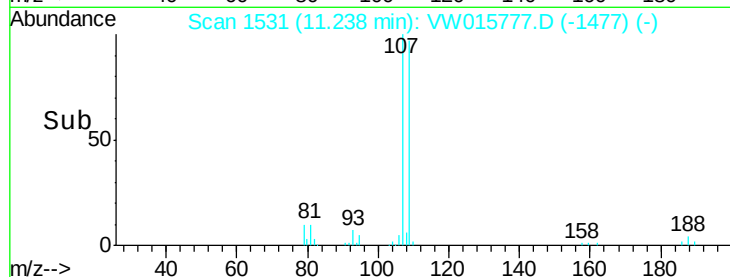
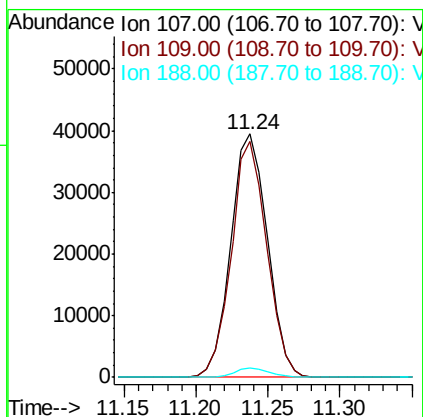
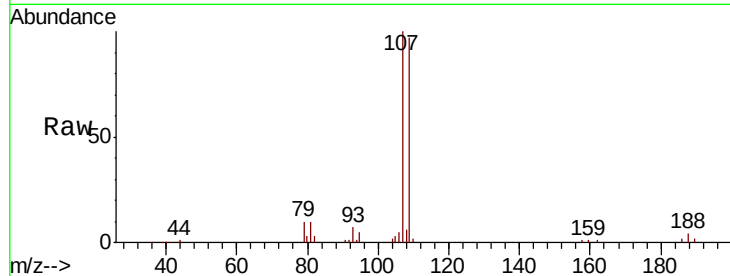




#51
1,2-Dibromoethane
Concen: 28.463 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW015777.D
Acq: 02 Jul 2020 10:25

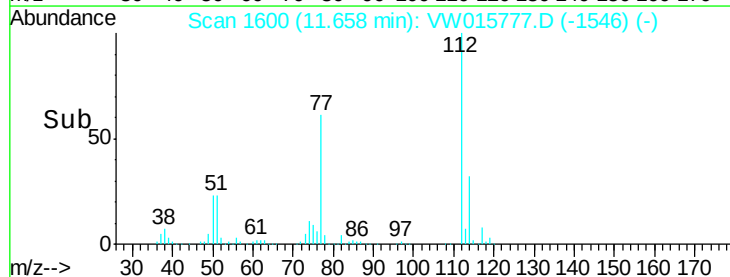
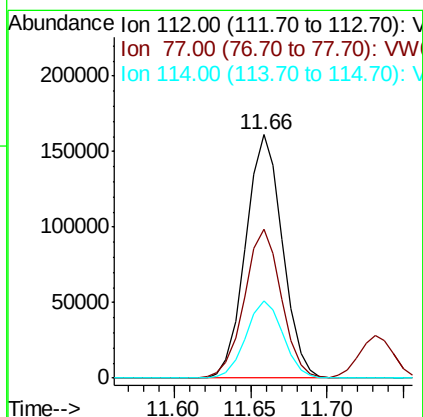
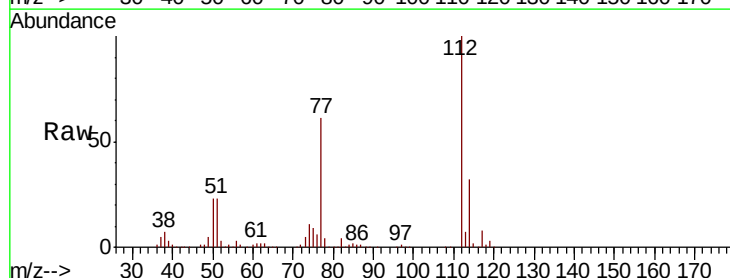
Instrument :
MSVOA_W
ClientSampleId :
VSTD02520

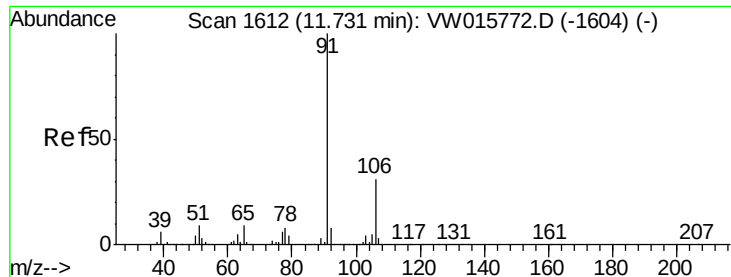
Tot Ion:107 Resp: 70215
Ion Ratio Lower Upper
107 100
109 97.1 64.0 118.8
188 3.8 3.1 4.7



#52
Chlorobenzene
Concen: 27.230 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015777.D
Acq: 02 Jul 2020 10:25

Tgt Ion:112 Resp: 269320
Ion Ratio Lower Upper
112 100
77 61.0 48.4 72.6
114 31.6 21.8 40.4

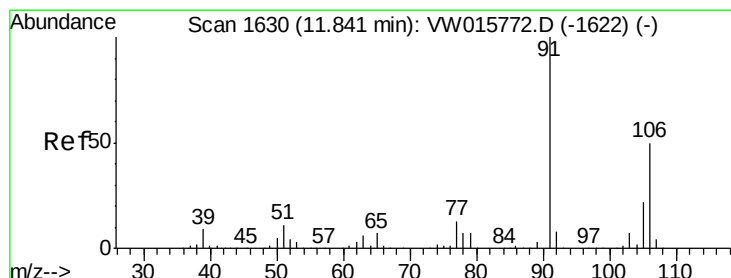
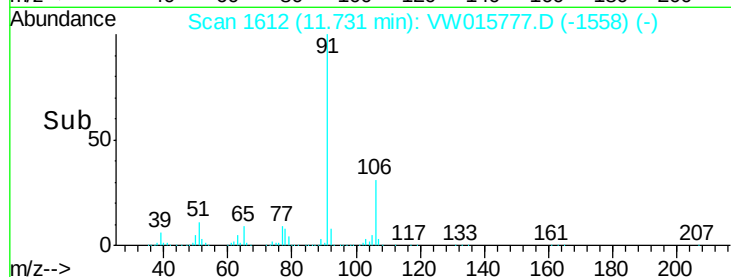
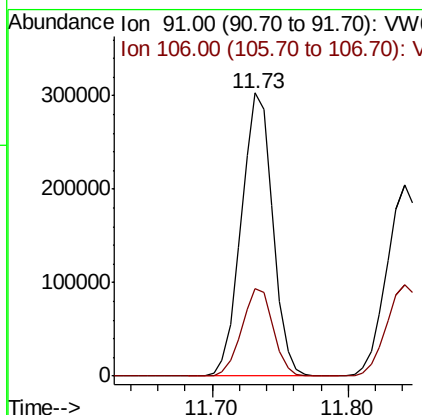
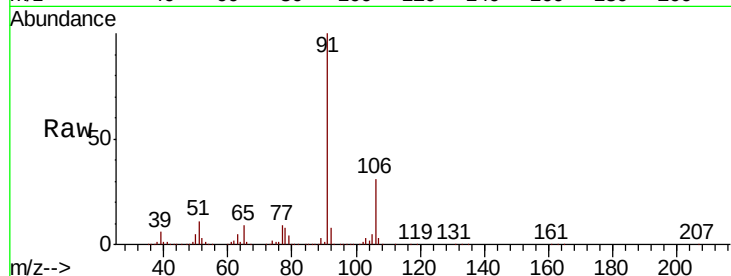




#53
Ethylbenzene
Concen: 27.480 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015777.D
Acq: 02 Jul 2020 10:25

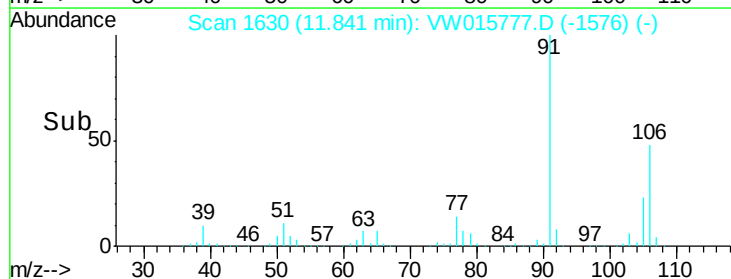
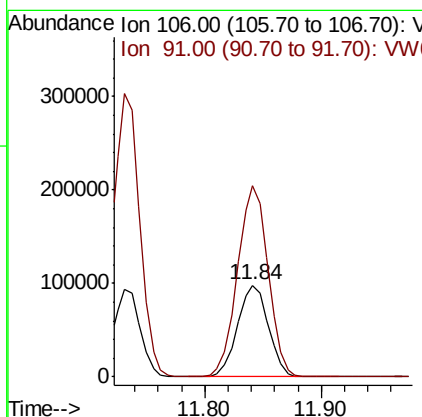
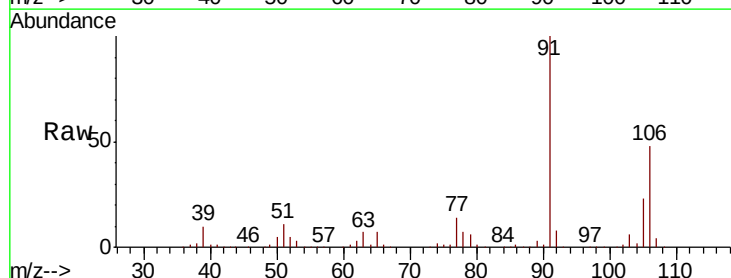
Instrument :
MSVOA_W
ClientSampleId :
VSTD02520

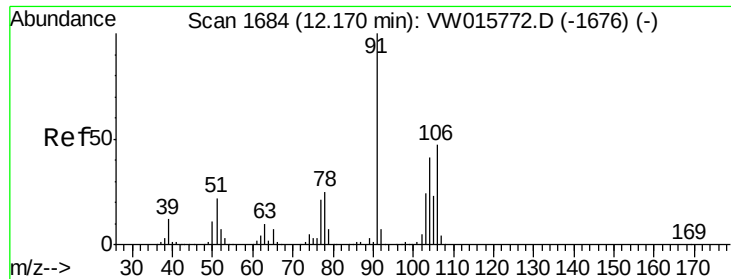
Tot Ion: 91 Resp: 488913
Ion Ratio Lower Upper
91 100
106 30.8 21.4 39.8



#54
m,p-Xylene
Concen: 27.396 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015777.D
Acq: 02 Jul 2020 10:25

Tgt Ion: 106 Resp: 182183
Ion Ratio Lower Upper
106 100
91 208.5 141.5 262.9

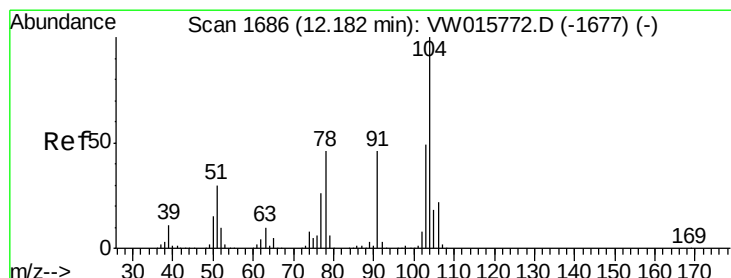
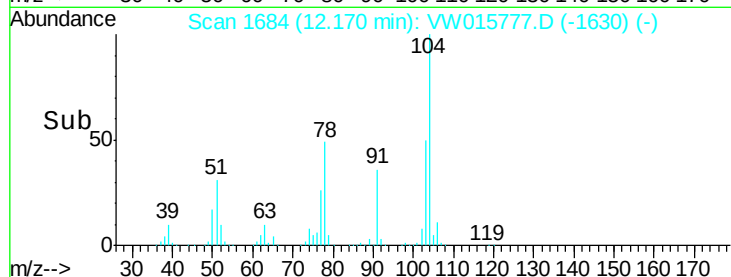
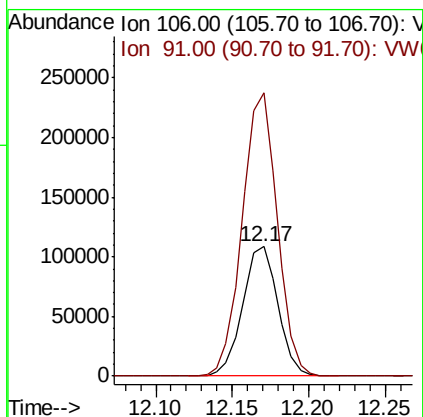
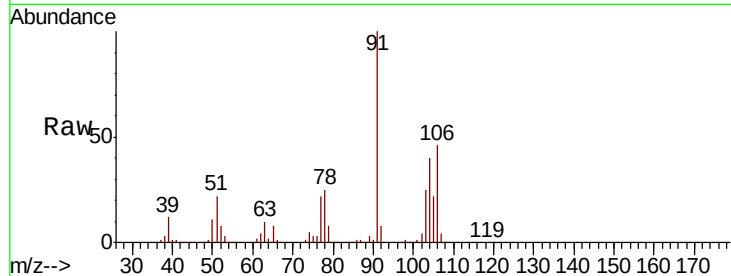




#55
o-xylene
Concen: 27.299 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW015777.D
Acq: 02 Jul 2020 10:25

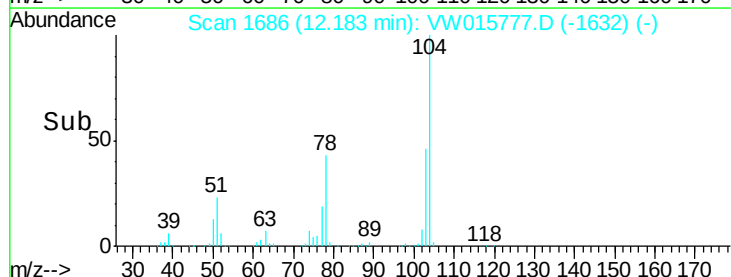
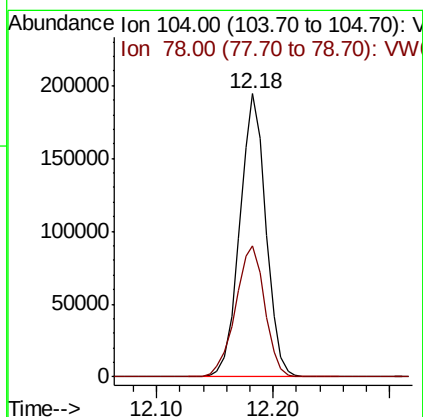
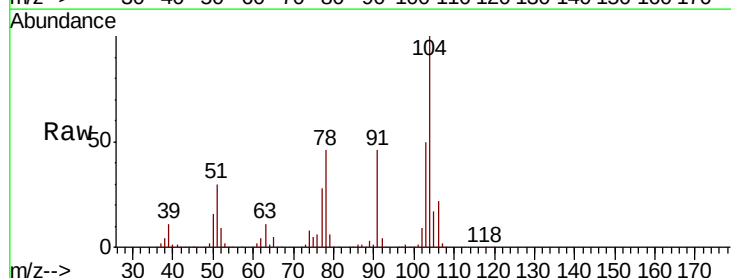
Instrument :
MSVOA_W
ClientSampleId :
VSTD02520

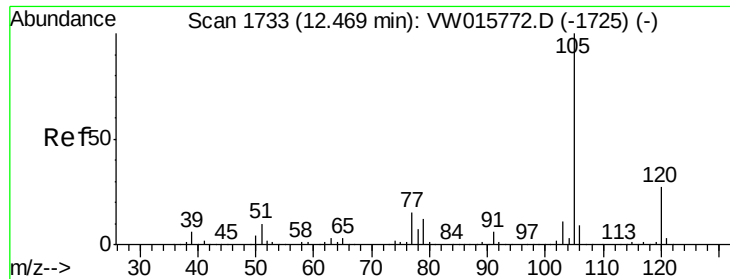
Tot Ion:106 Resp: 173499
Ion Ratio Lower Upper
106 100
91 218.8 151.3 280.9



#56
Styrene
Concen: 28.139 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015777.D
Acq: 02 Jul 2020 10:25

Tgt Ion:104 Resp: 303571
Ion Ratio Lower Upper
104 100
78 46.2 32.4 60.2





#57

Isopropylbenzene

Concen: 27.176 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW015777.D

Acq: 02 Jul 2020 10:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD02520

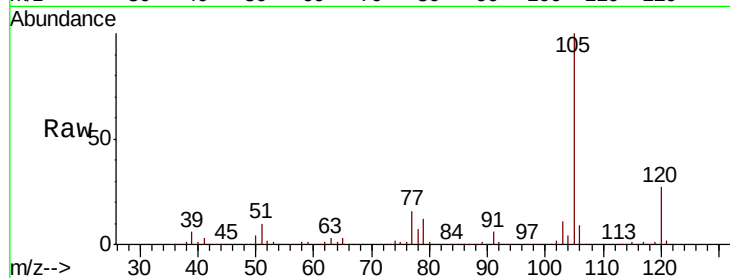
Tot Ion:105 Resp: 477076

Ion Ratio Lower Upper

105 100

120 26.1 21.0 31.6

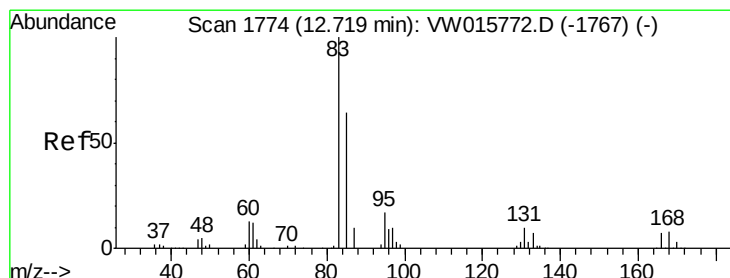
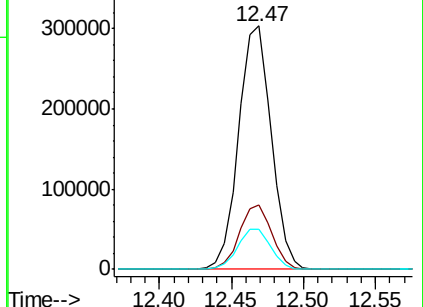
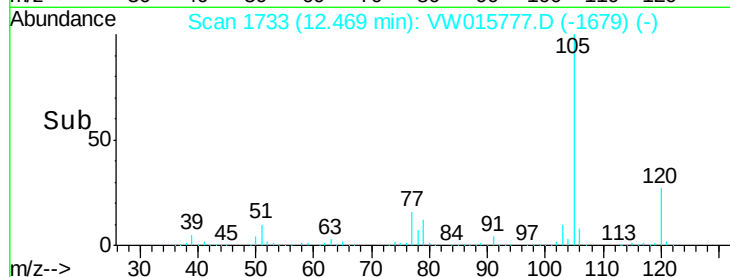
77 16.6 12.9 19.3



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: 29.373 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW015777.D

Acq: 02 Jul 2020 10:25

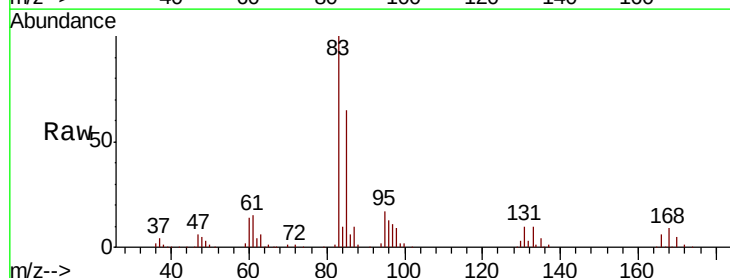
Tgt Ion: 83 Resp: 88949

Ion Ratio Lower Upper

83 100

85 64.9 43.5 80.9

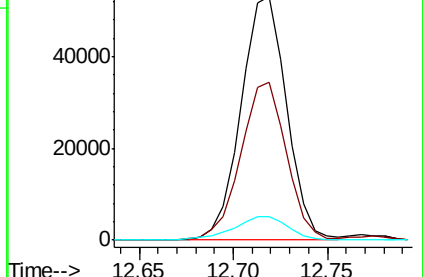
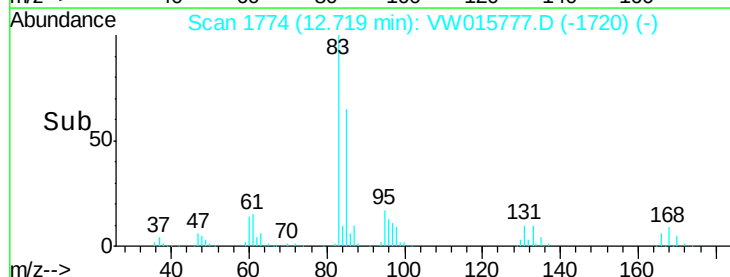
131 9.8 8.2 12.4

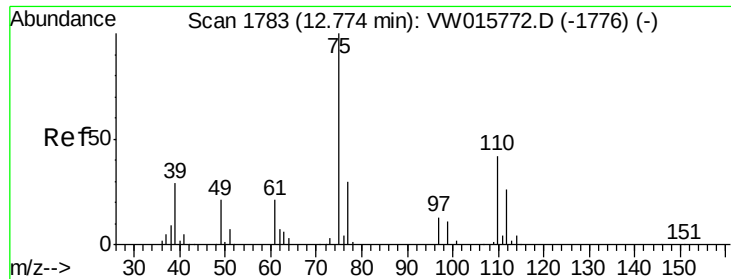


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

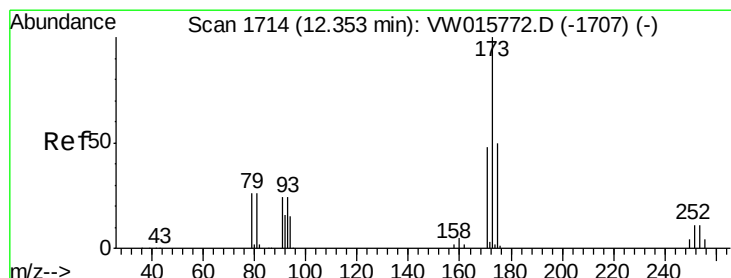
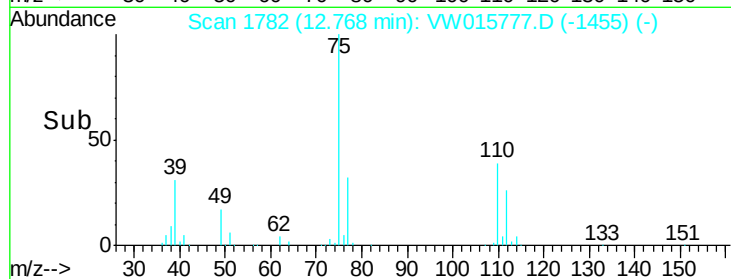
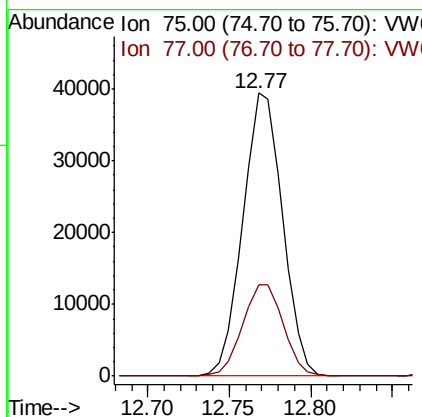
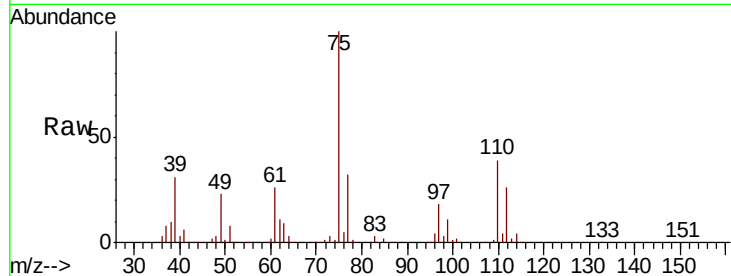




#59
 1,2,3-Trichloropropane
 Concen: 29.270 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.01 min
 Lab File: VW015777.D
 Acq: 02 Jul 2020 10:25

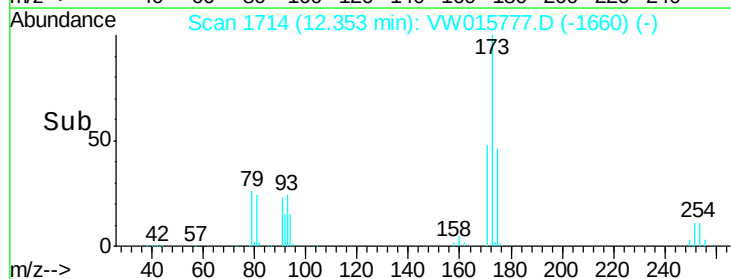
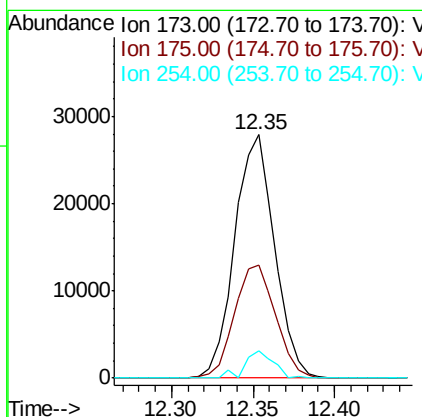
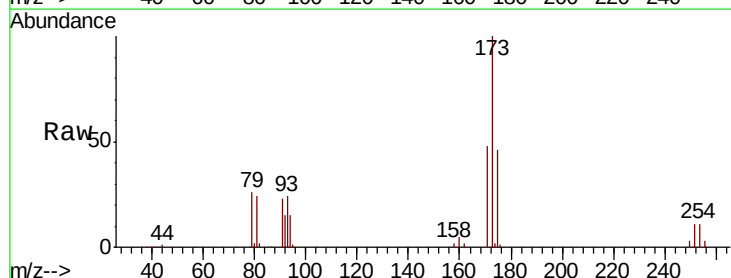
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

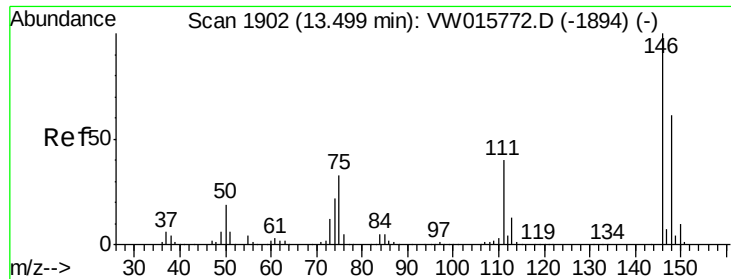
Tot Ion: 75 Resp: 66944
 Ion Ratio Lower Upper
 75 100
 77 33.2 26.1 39.1



#62
 Bromoform
 Concen: 28.247 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: VW015777.D
 Acq: 02 Jul 2020 10:25

Tgt Ion: 173 Resp: 47464
 Ion Ratio Lower Upper
 173 100
 175 47.8 39.4 59.2
 254 7.2 8.2 12.2#

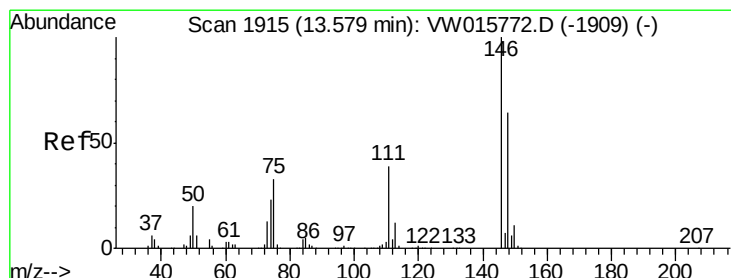
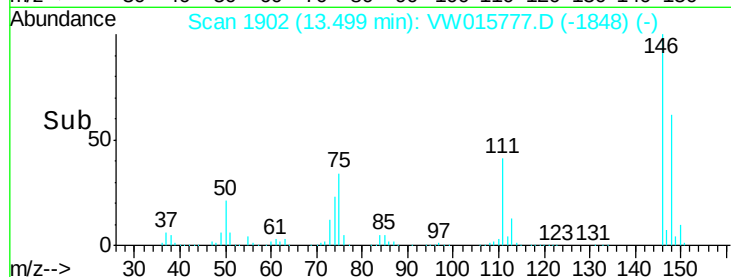
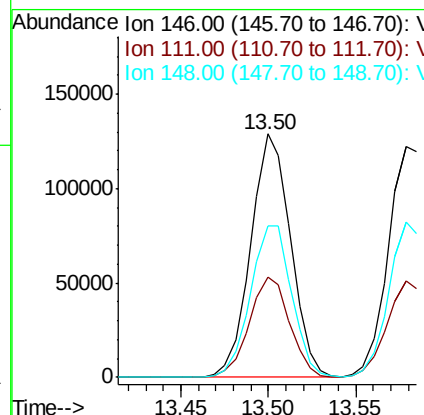
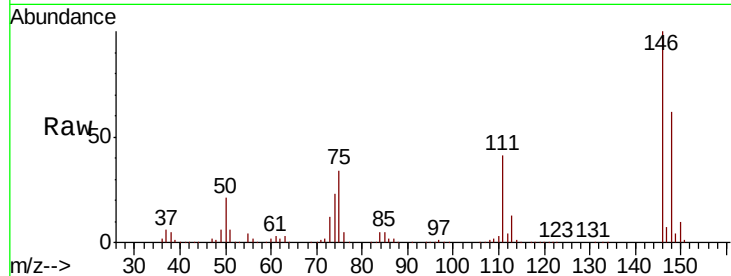




#63
 1,3-Dichlorobenzene
 Concen: 26.261 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015777.D
 Acq: 02 Jul 2020 10:25

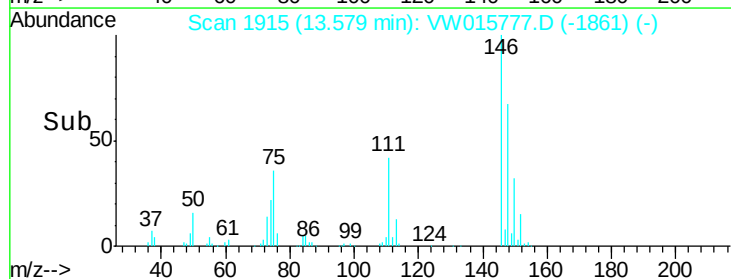
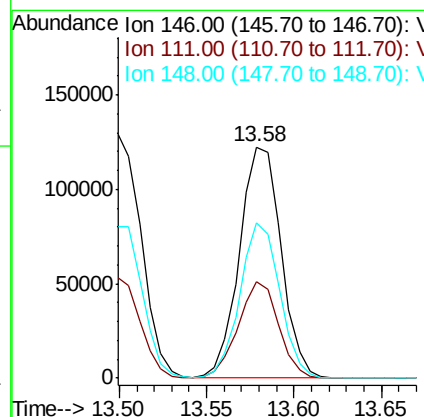
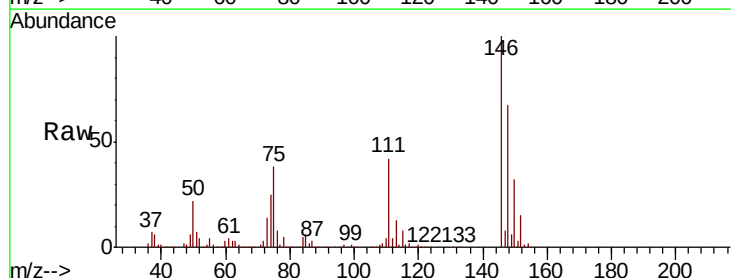
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

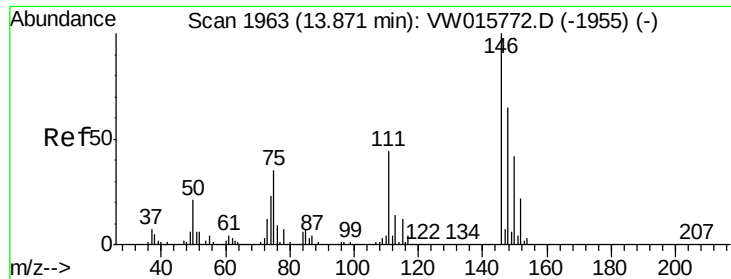
Tot Ion:146 Resp: 204041
 Ion Ratio Lower Upper
 146 100
 111 41.3 28.8 53.6
 148 62.5 43.6 81.0



#64
 1,4-Dichlorobenzene
 Concen: 26.174 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015777.D
 Acq: 02 Jul 2020 10:25

Tgt Ion:146 Resp: 202592
 Ion Ratio Lower Upper
 146 100
 111 41.5 27.8 51.6
 148 67.2 46.0 85.4

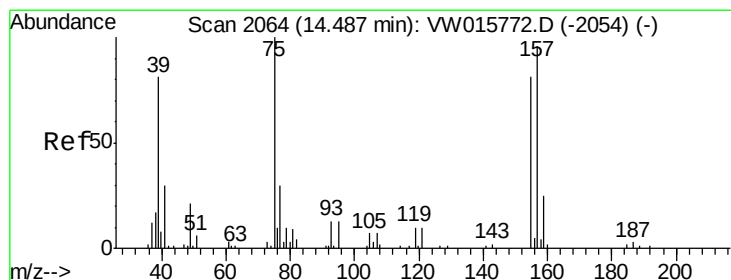
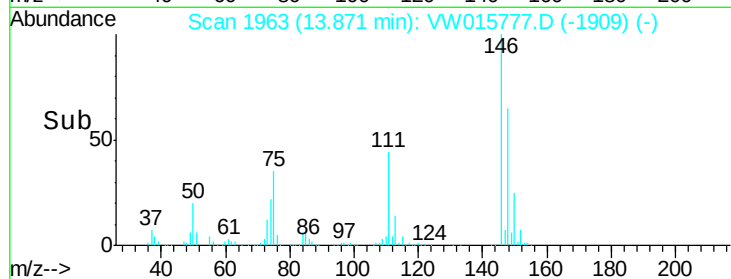
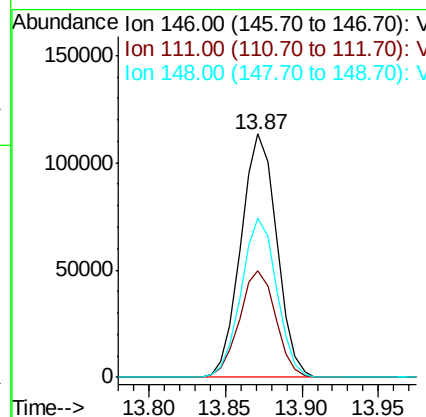
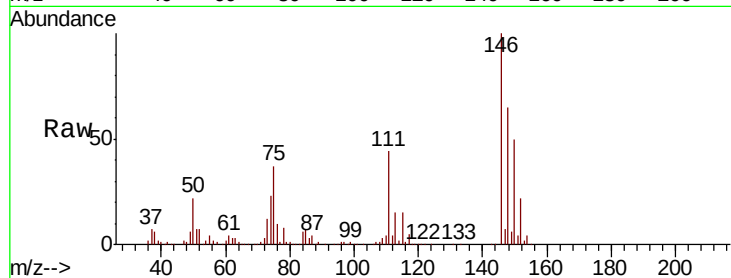




#65
 1,2-Dichlorobenzene
 Concen: 26.926 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015777.D
 Acq: 02 Jul 2020 10:25

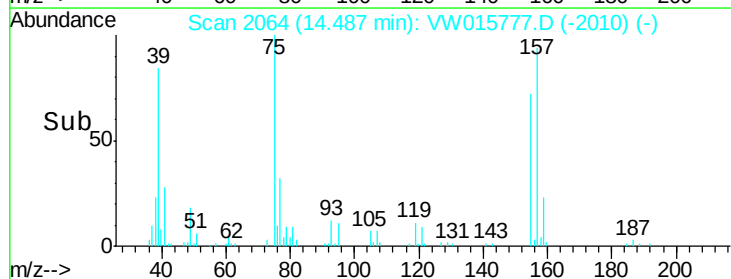
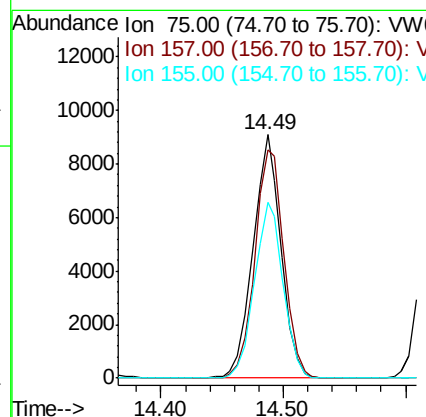
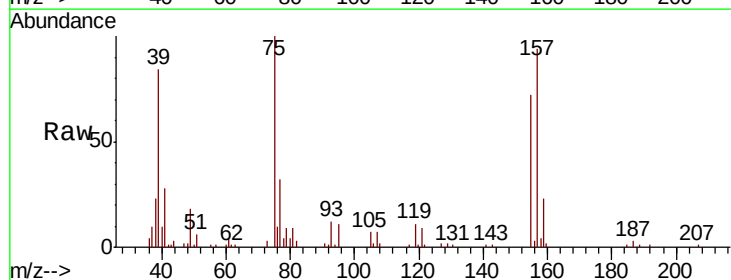
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02520

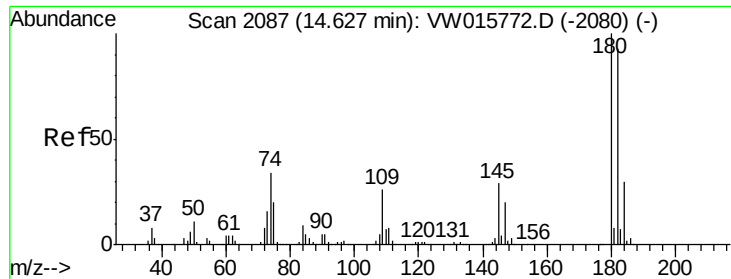
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	35.5	53.3
148	65.3	51.4	77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 29.268 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW015777.D
 Acq: 02 Jul 2020 10:25

Tgt Ion	Ratio	Lower	Upper
75	100		
157	93.9	83.2	124.8
155	72.1	64.2	96.4

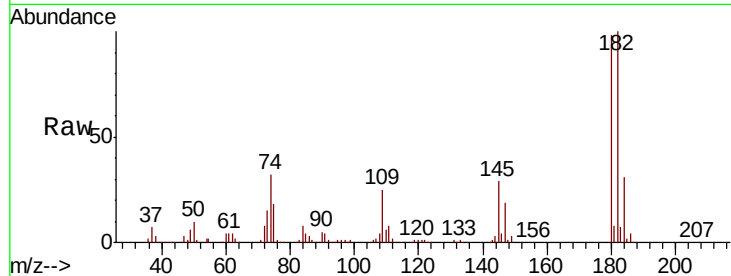




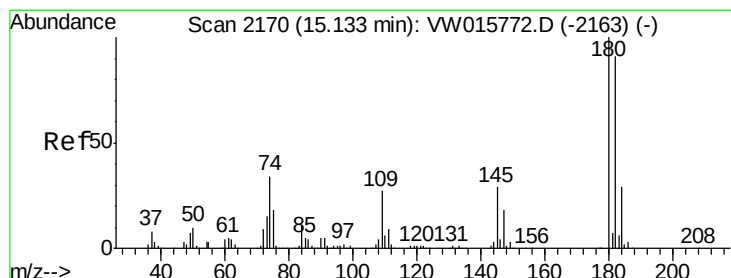
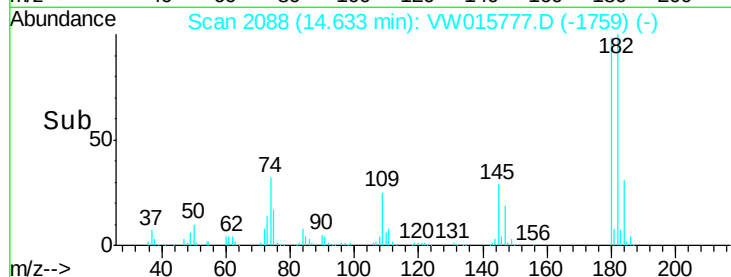
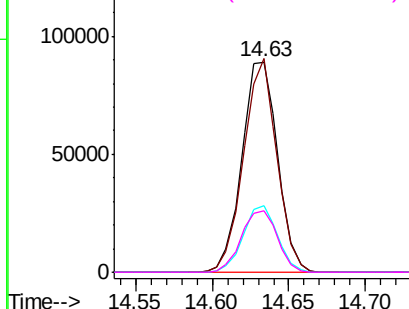
#67
 1,3,5-Trichlorobenzene
 Concen: 27.094 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW015777.D
 Acq: 02 Jul 2020 10:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

Tot Ion:180	Resp:	144371
Ion Ratio	Lower	Upper
180	100	
182	94.5	76.1 114.1
184	30.4	24.2 36.2
145	29.7	23.8 35.6

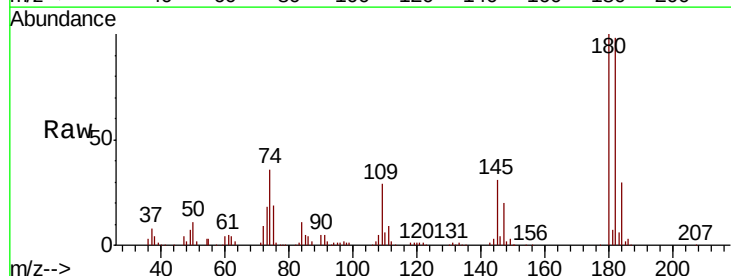


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

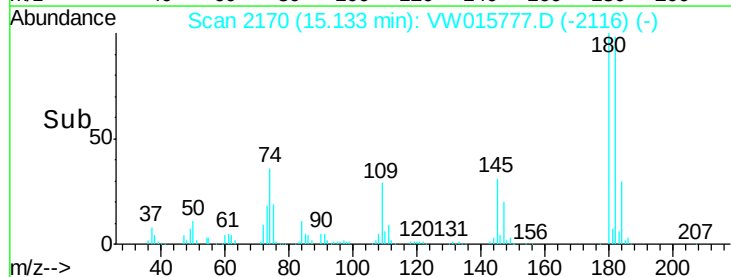
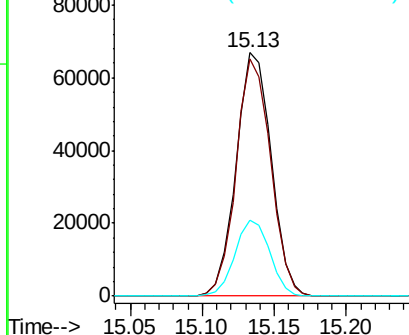


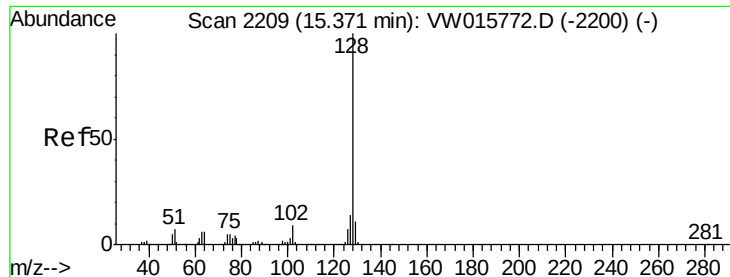
#68
 1,2,4-trichlorobenzene
 Concen: 26.274 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015777.D
 Acq: 02 Jul 2020 10:25

Tgt Ion:180	Resp:	112965
Ion Ratio	Lower	Upper
180	100	
182	96.4	75.5 113.3
145	31.3	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: 28.107 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW015777.D

Acq: 02 Jul 2020 10:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD02520

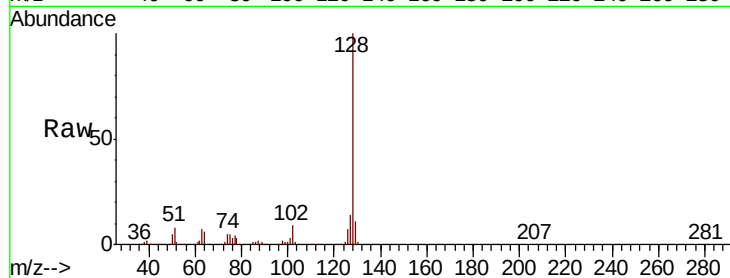
Tot Ion:128 Resp: 221097

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

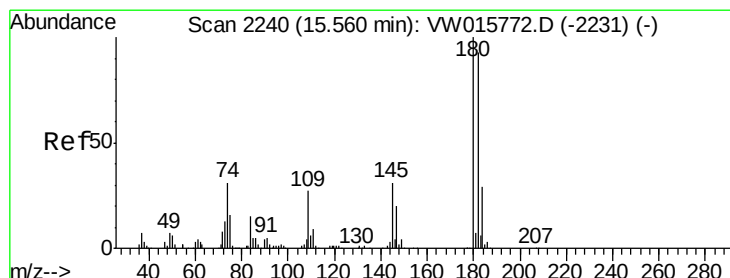
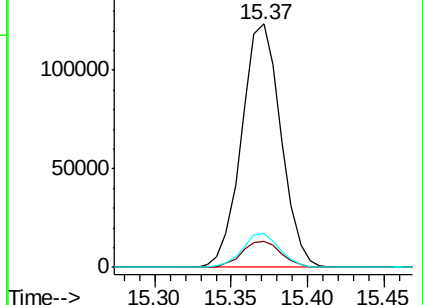
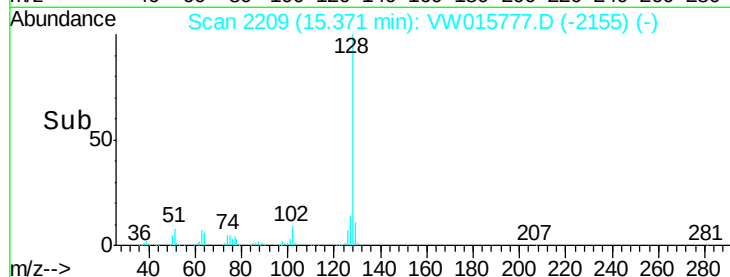
127 13.3 10.6 16.0



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: 27.009 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW015777.D

Acq: 02 Jul 2020 10:25

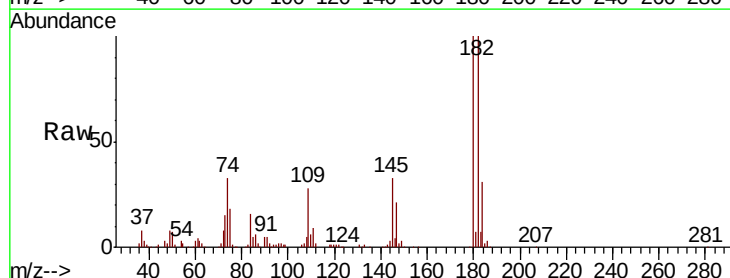
Tgt Ion:180 Resp: 100397

Ion Ratio Lower Upper

180 100

182 96.0 75.5 113.3

145 33.2 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

