

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041020\
 Data File : VW015177.D
 Acq On : 10 Apr 2020 12:42
 Operator : SY/VA
 Sample : VSTD10002
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10002

Quant Time: Apr 10 13:07:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041020S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 10 12:17:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1251501	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1106846	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	507837	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	1084936	53.46	ug/L	0.00
7) Chloroethane-d5	2.89	69	810726	49.05	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	3016508	71.95	ug/L	0.00
20) 2-Butanone-d5	7.07	46	843595	172.11	ug/L	0.00
24) Chloroform-d	7.65	84	2803221	75.79	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	1481899	70.52	ug/L	0.00
29) Benzene-d6	8.27	84	5835574	81.97	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	1829357	78.31	ug/L	0.00
37) Toluene-d8	10.32	98	5483781	89.27	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.57	79	890373	96.36	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	738021	205.30	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	1457381	89.64	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	1724518	93.68	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	1122521	118.781	ug/L 95
3) Chloromethane	2.21	50	1187496	70.790	ug/L 100
5) Vinyl chloride	2.37	62	1436684	62.124	ug/L 99
6) Bromomethane	2.78	94	742204	58.469	ug/L 99
8) Chloroethane	2.93	64	734004	53.605	ug/L 99
9) Trichlorofluoromethane	3.26	101	1283948	94.578	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	1679048	88.398	ug/L 99
12) 1,1-Dichloroethene	4.04	96	1705906	93.815	ug/L 96
13) Acetone	4.12	43	516574	127.745	ug/L 98
14) Carbon disulfide	4.39	76	5535440	83.735	ug/L 100
15) Methyl Acetate	4.67	43	729269	75.410	ug/L 99
16) Methylene chloride	4.92	84	1648338	80.031	ug/L 98
17) Methyl tert-butyl Ether	5.42	73	2216177	93.493	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	1700609	90.231	ug/L 97
19) 1,1-Dichloroethane	6.21	63	2960858	76.196	ug/L 99
21) 2-Butanone	7.17	43	945929	161.332	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	1792184	95.056	ug/L 99
23) Bromochloromethane	7.51	128	759869	97.749	ug/L 99
25) Chloroform	7.67	83	2840196	79.791	ug/L 99
27) 1,2-Dichloroethane	8.40	62	1827871	73.378	ug/L 100
30) Cyclohexane	7.95	56	3005384	87.462	ug/L 99
31) 1,1,1-Trichloroethane	7.87	97	2420643	86.011	ug/L 99
32) Carbon tetrachloride	8.07	117	2234712	90.761	ug/L 99
34) Benzene	8.32	78	6617188	84.031	ug/L 100
35) Trichloroethene	9.09	95	1776925	91.350	ug/L 99
36) Methylcyclohexane	9.34	83	3150728	93.901	ug/L 99
40) 1,2-Dichloropropane	9.37	63	1681419	78.596	ug/L 100
41) Bromodichloromethane	9.64	83	2202098	88.839	ug/L 99
42) cis-1,3-Dichloropropene	10.07	75	2774729	95.812	ug/L 99
43) 4-Methyl-2-pentanone	10.21	43	2194053	181.060	ug/L 99

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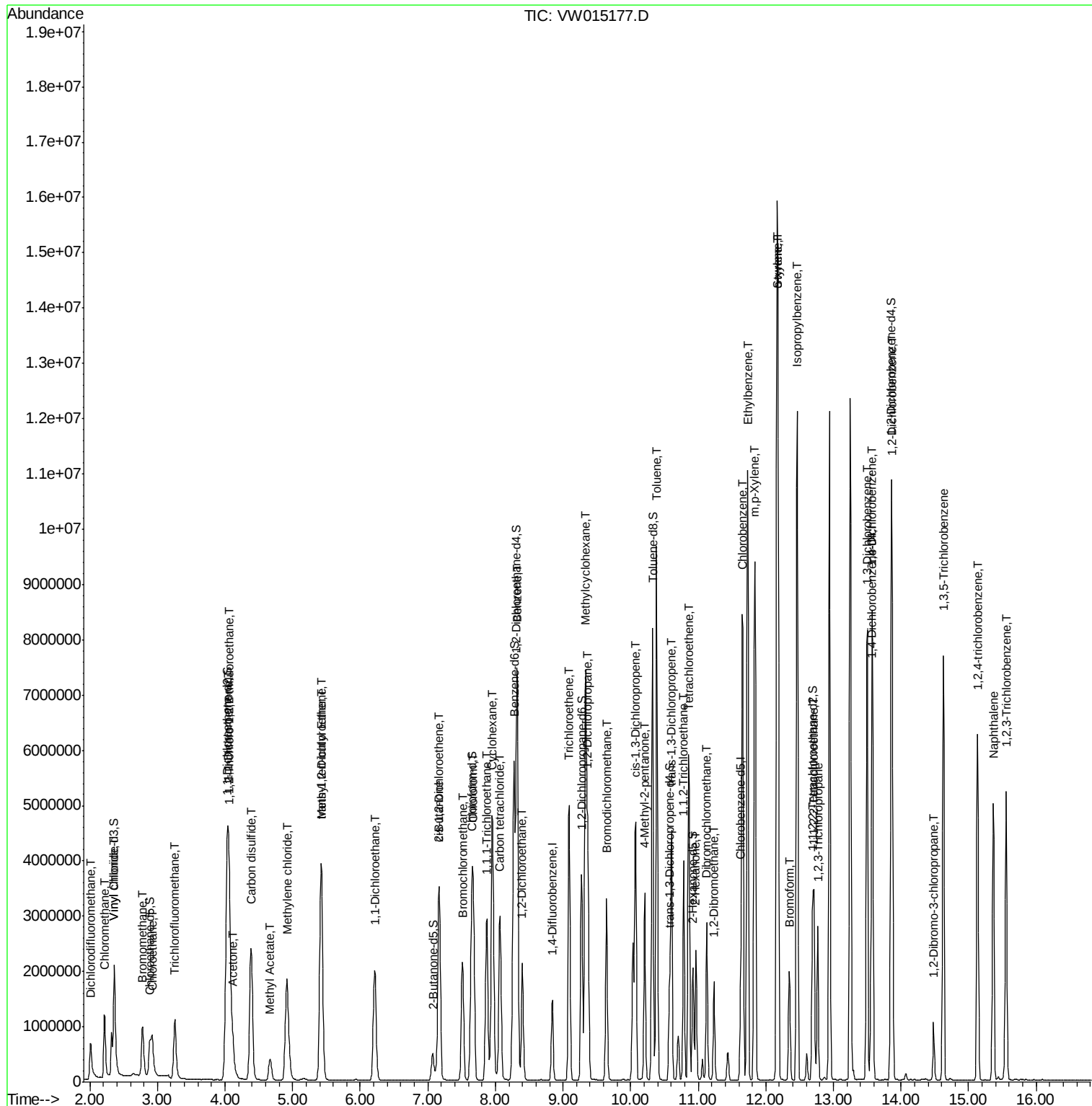
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	7062026	90.021	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	2448872	97.025	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	1239332	95.603	ug/L	99
47) Tetrachloroethene	10.86	164	1254508	97.595	ug/L	97
49) 2-Hexanone	10.96	43	1497662	186.755	ug/L	100
50) Dibromochloromethane	11.13	129	1477344	108.113	ug/L	97
51) 1,2-Dibromoethane	11.23	107	1199814	103.111	ug/L	98
52) Chlorobenzene	11.66	112	4406304	94.130	ug/L	100
53) Ethylbenzene	11.73	91	7903654	92.722	ug/L	98
54) m,p-Xylene	11.84	106	3101757	102.227	ug/L	99
55) o-xylene	12.16	106	2881336	100.820	ug/L	99
56) Styrene	12.18	104	4879646	100.902	ug/L	98
57) Isopropylbenzene	12.46	105	7802940	99.574	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	1504901	93.946	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	1127542	94.091	ug/L	99
62) Bromoform	12.35	173	847034	112.686	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	3239608	97.366	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	3193419	94.783	ug/L	100
65) 1,2-Dichlorobenzene	13.87	146	2898298	96.263	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	268731	95.238	ug/L	99
67) 1,3,5-Trichlorobenzene	14.63	180	2222220	101.379	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	1929335	115.036	ug/L	98
69) Naphthalene	15.36	128	4279758	130.792	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	1718472	111.940	ug/L	99

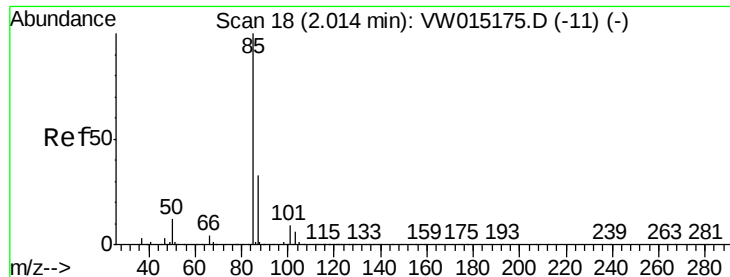
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 118.781 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW015177.D

Acq: 10 Apr 2020 12:42

Instrument :

MSVOA_W

ClientSampleId :

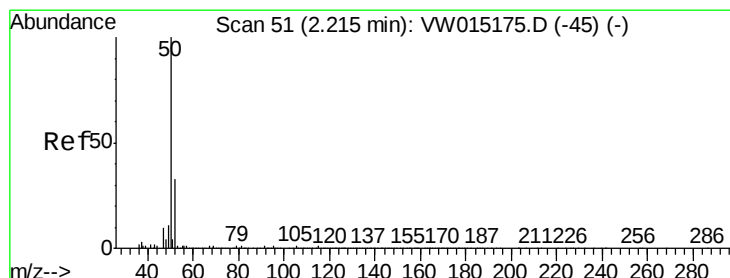
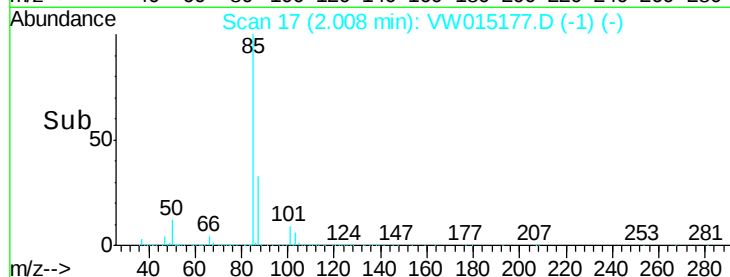
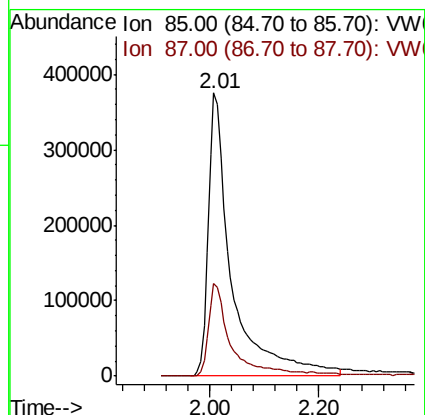
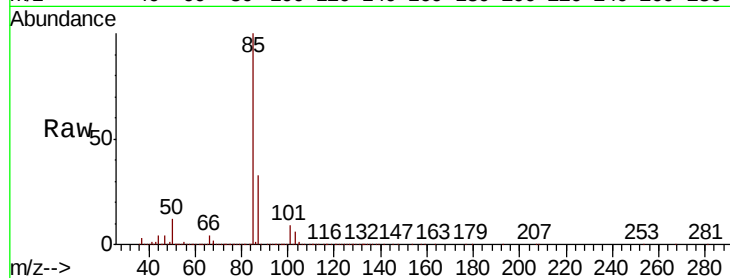
VSTD10002

Tot Ion: 85 Resp: 1122521

Ion Ratio Lower Upper

85 100

87 29.1 22.5 41.9



#3

Chloromethane

Concen: 70.790 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015177.D

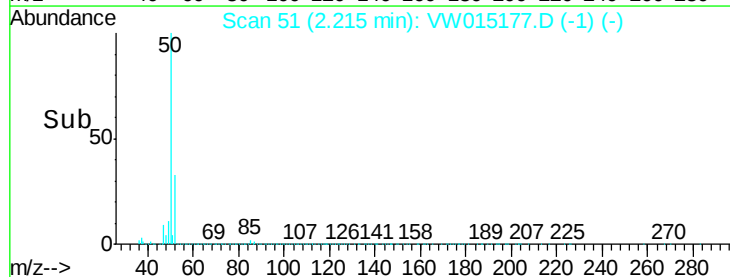
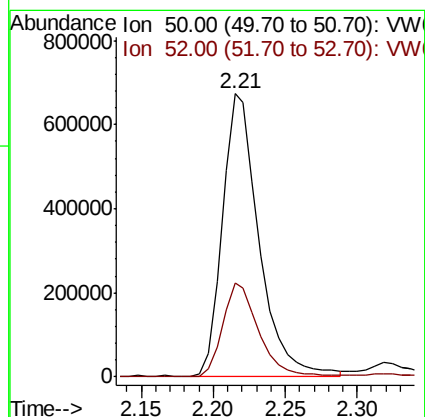
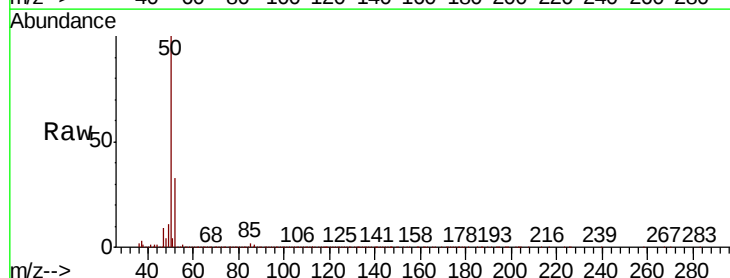
Acq: 10 Apr 2020 12:42

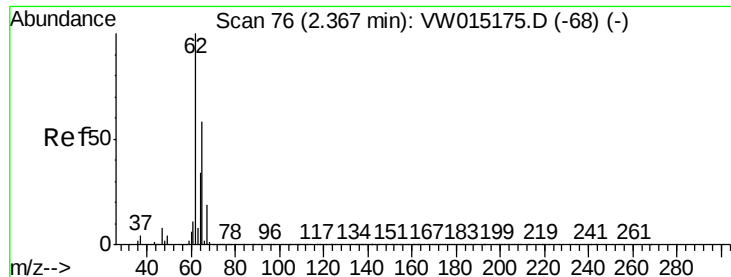
Tgt Ion: 50 Resp: 1187496

Ion Ratio Lower Upper

50 100

52 33.0 23.2 43.0





#5

Vinyl chloride

Concen: 62.124 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015177.D

Acq: 10 Apr 2020 12:42

Instrument :

MSVOA_W

ClientSampleId :

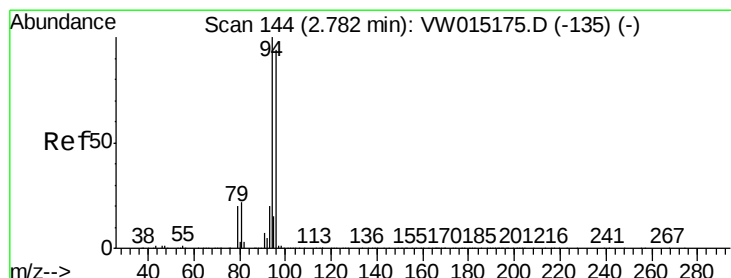
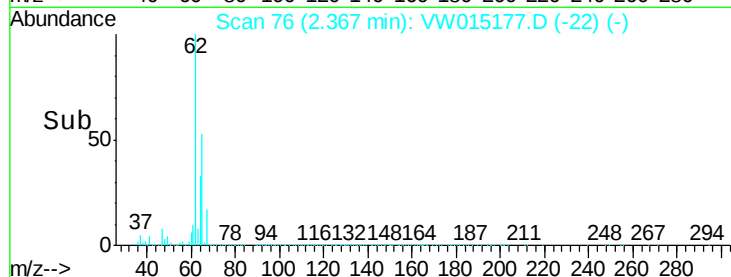
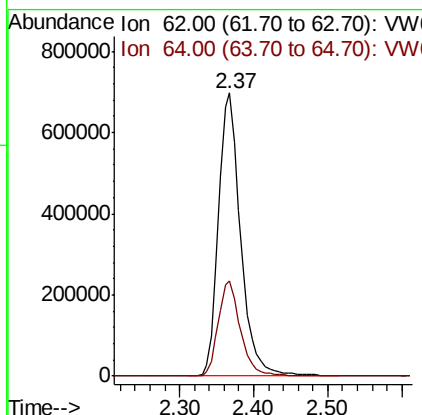
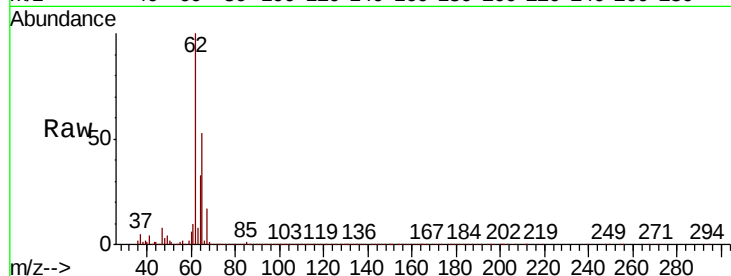
VSTD10002

Tot Ion: 62 Resp: 1436684

Ion Ratio Lower Upper

62 100

64 33.4 23.8 44.2



#6

Bromomethane

Concen: 58.469 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW015177.D

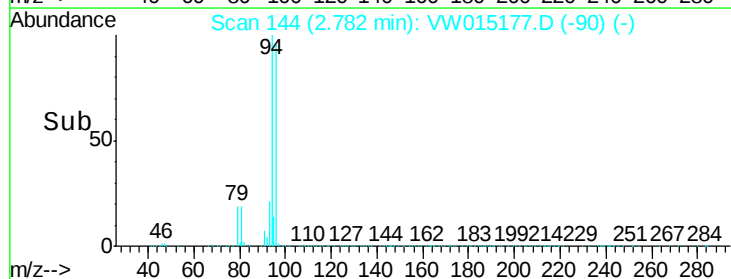
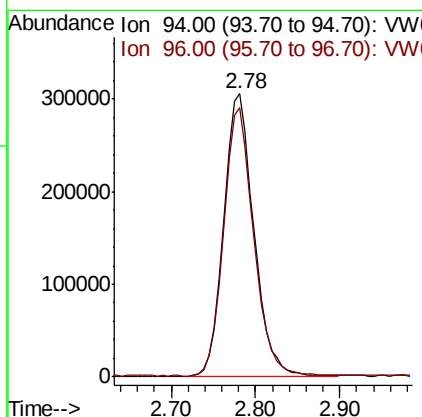
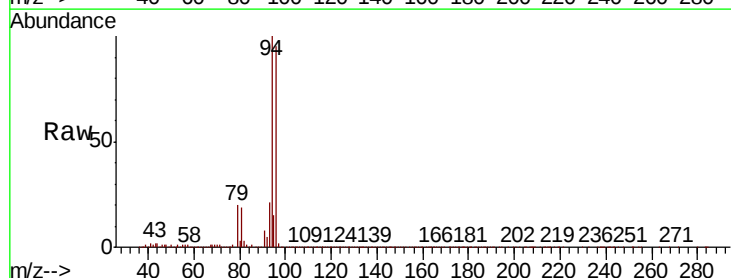
Acq: 10 Apr 2020 12:42

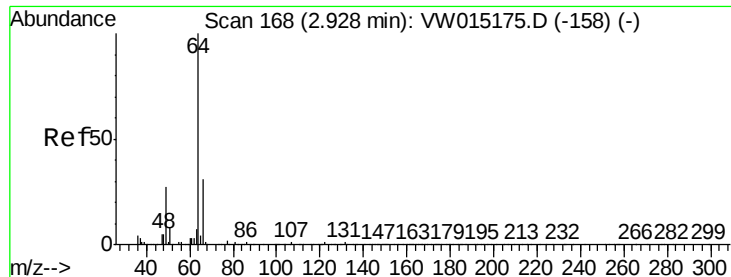
Tgt Ion: 94 Resp: 742204

Ion Ratio Lower Upper

94 100

96 94.6 9.5 181.3





#8

Chloroethane

Concen: 53.605 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW015177.D

Acq: 10 Apr 2020 12:42

Instrument :

MSVOA_W

ClientSampleId :

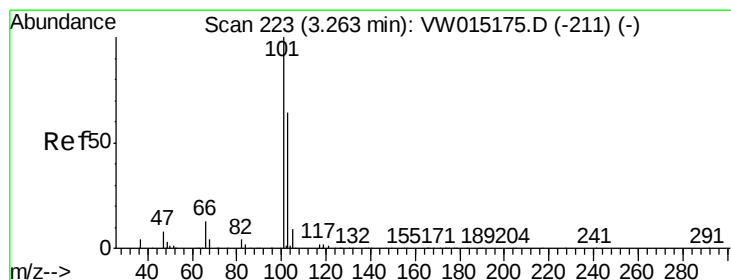
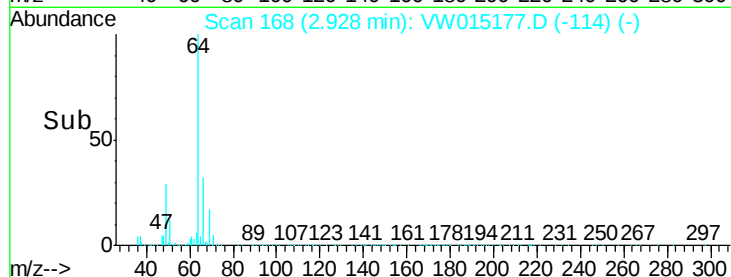
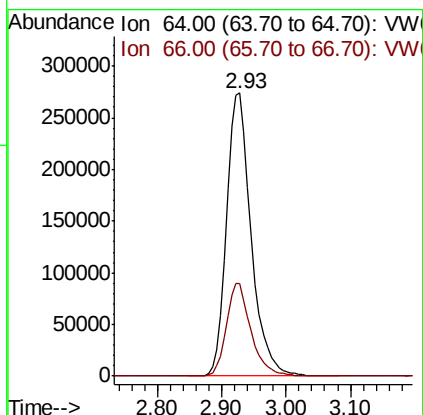
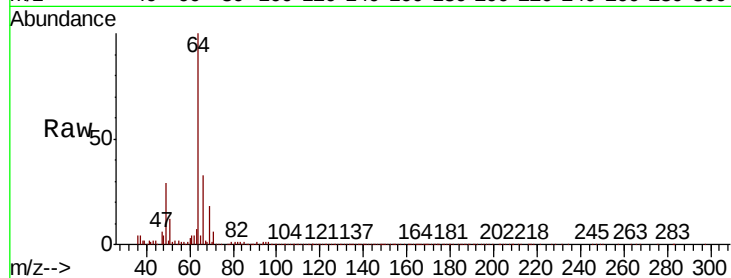
VSTD10002

Tot Ion: 64 Resp: 734004

Ion Ratio Lower Upper

64 100

66 32.7 22.5 41.7



#9

Trichlorofluoromethane

Concen: 94.578 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW015177.D

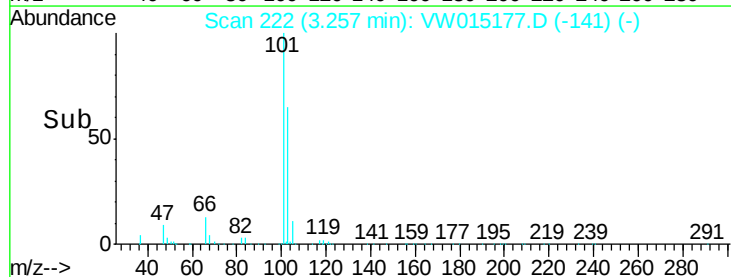
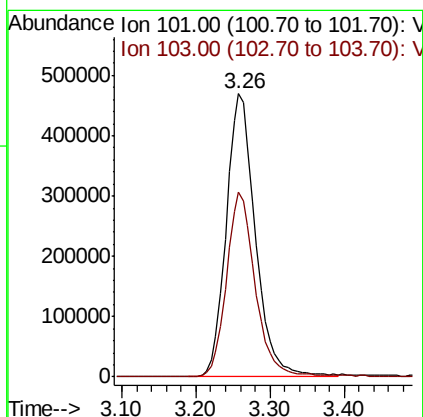
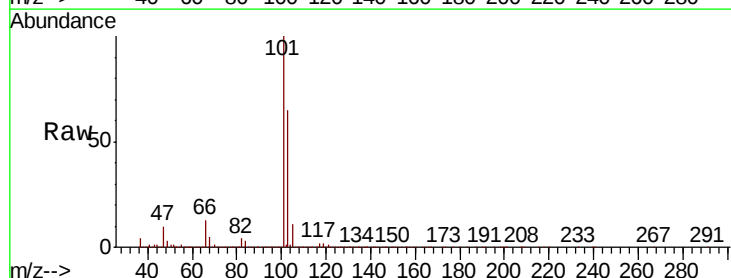
Acq: 10 Apr 2020 12:42

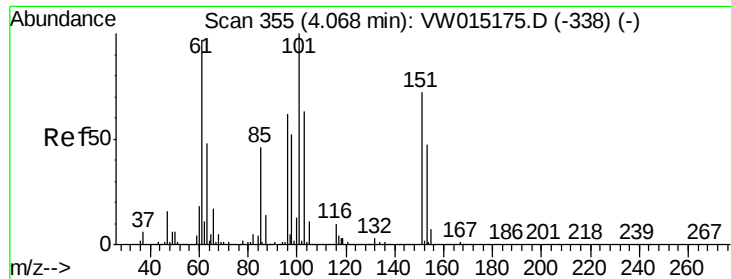
Tgt Ion: 101 Resp: 1283948

Ion Ratio Lower Upper

101 100

103 63.4 44.9 83.5





#11

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

Concen: 88.398 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW015177.D

Acq: 10 Apr 2020 12:42

Instrument :

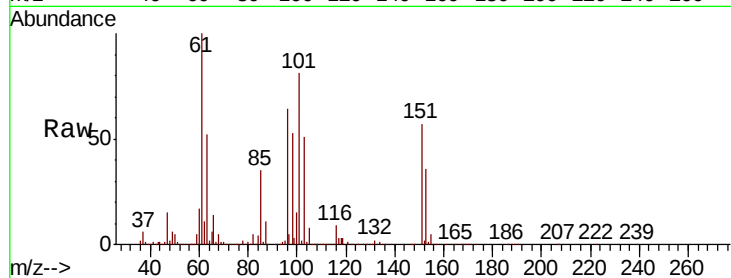
MSVOA_W

ClientSampled :

VSTD10002

Tot Ion:101 Resp: 1679048

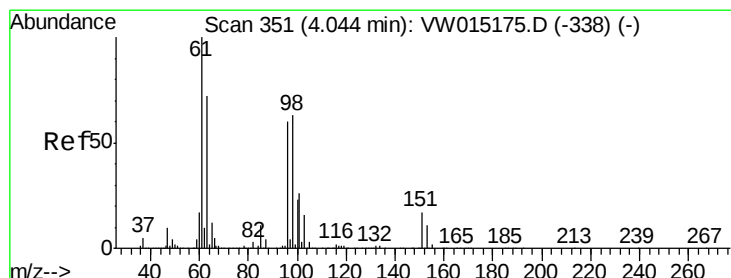
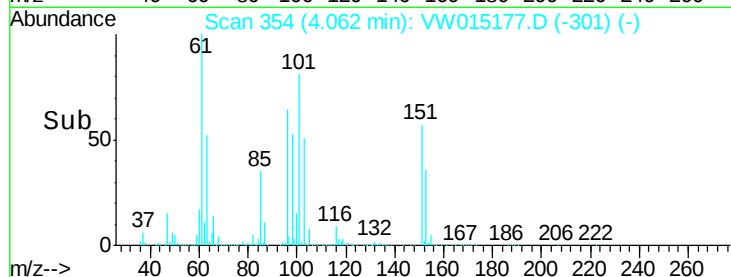
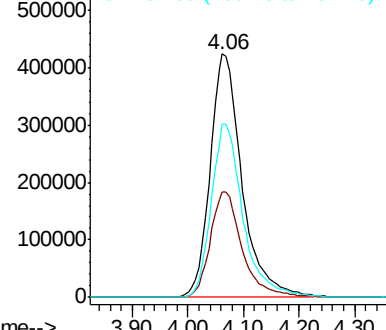
Ion	Ratio	Lower	Upper
101	100		
85	43.1	34.0	51.0
151	71.1	56.6	85.0



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: 93.815 ug/L

RT: 4.04 min Scan# 350

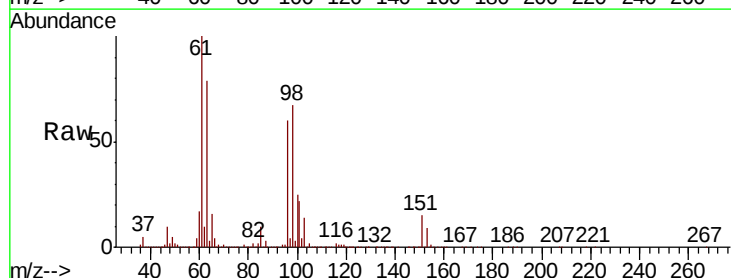
Delta R.T. -0.01 min

Lab File: VW015177.D

Acq: 10 Apr 2020 12:42

Tgt Ion: 96 Resp: 1705906

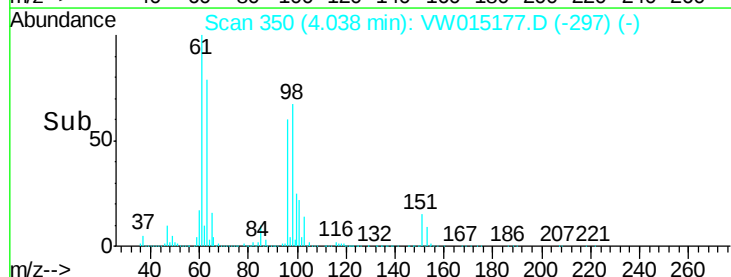
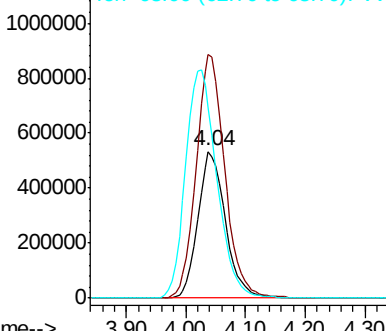
Ion	Ratio	Lower	Upper
96	100		
61	166.0	116.4	216.2
63	130.6	84.0	156.0

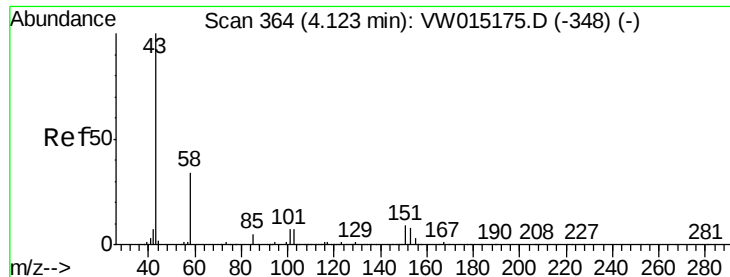


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 127.745 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW015177.D

Acq: 10 Apr 2020 12:42

Instrument :

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ClientSampleId :

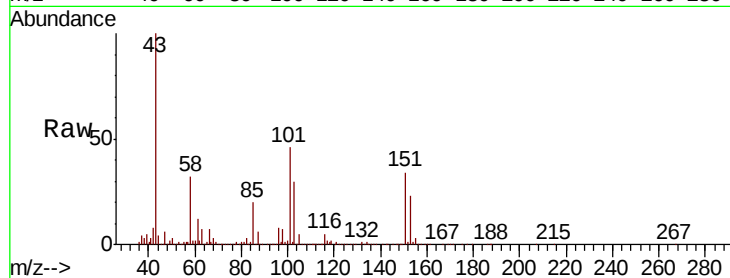
VSTD10002

Tot Ion: 43 Resp: 516574

Ion Ratio Lower Upper

43 100

58 33.3 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

200000

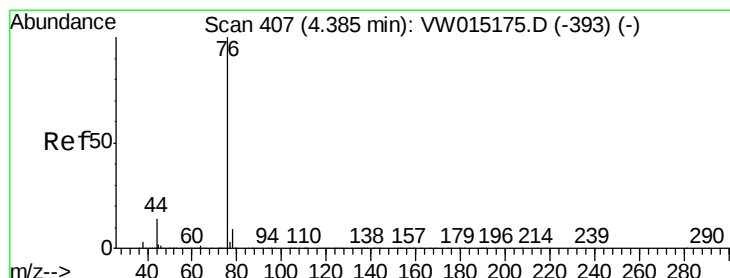
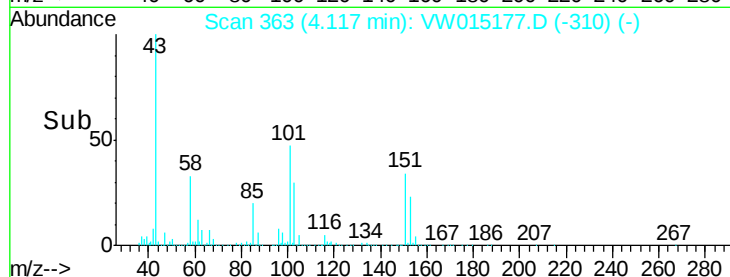
150000

100000

50000

0

Time-->



#14

Carbon disulfide

Concen: 83.735 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW015177.D

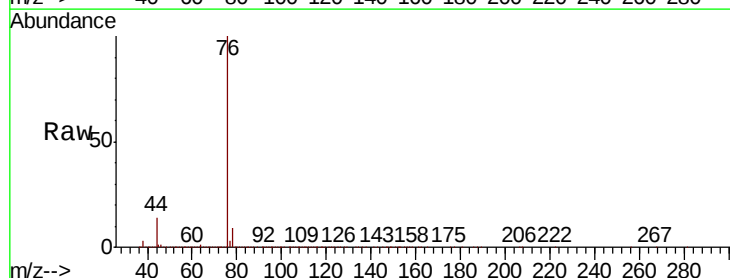
Acq: 10 Apr 2020 12:42

Tgt Ion: 76 Resp: 5535440

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.39

2000000

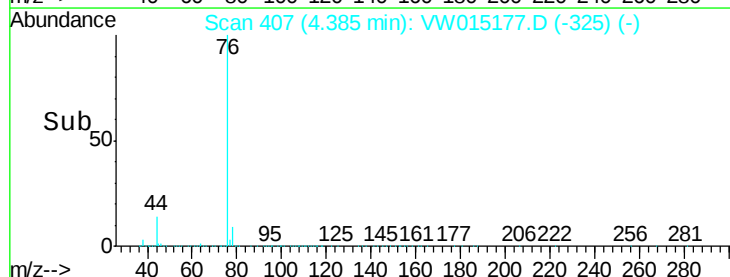
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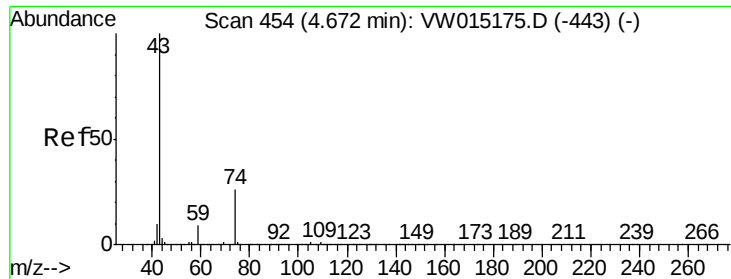
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500000

0

Time-->

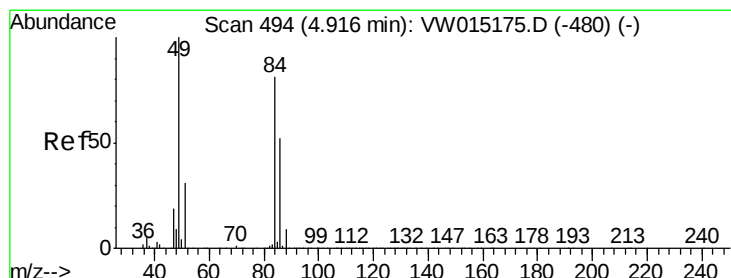
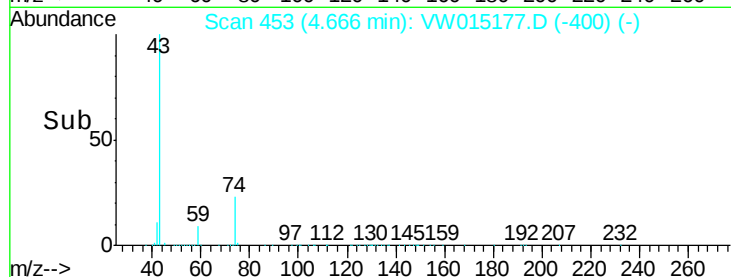
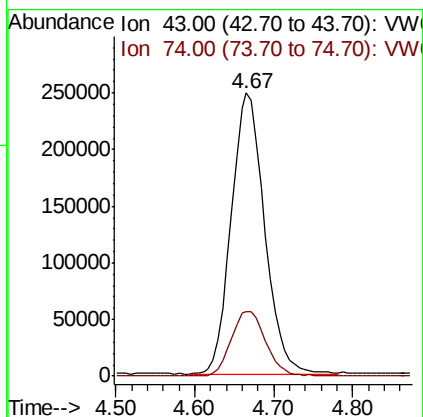
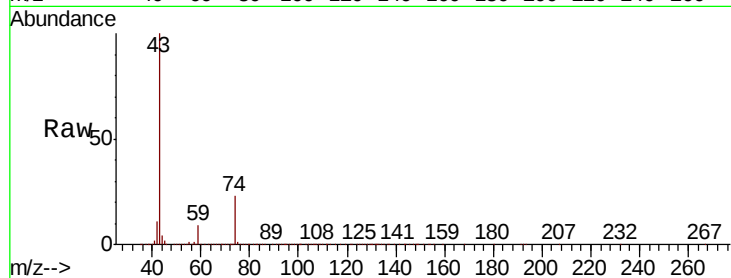




#15
Methyl Acetate
Concen: 75.410 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW015177.D
Acq: 10 Apr 2020 12:42

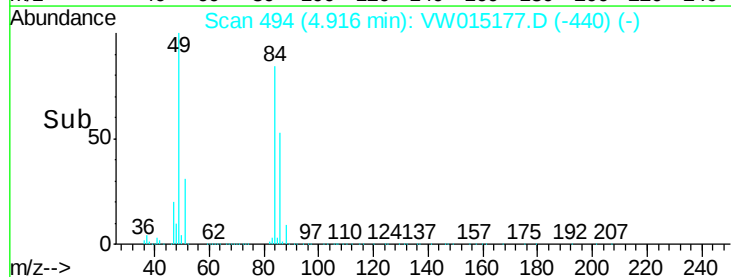
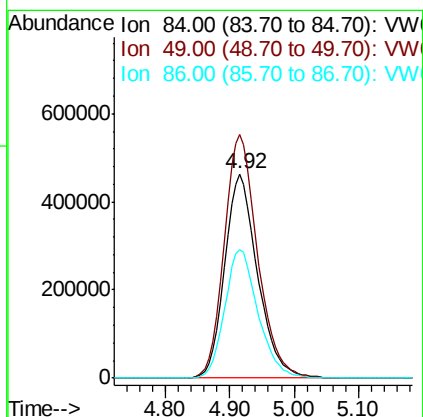
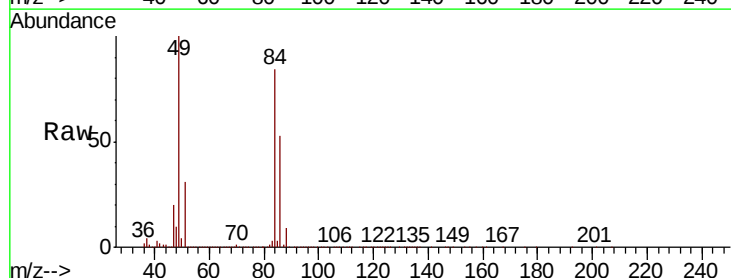
Instrument :
MSVOA_W
ClientSampleId :
VSTD10002

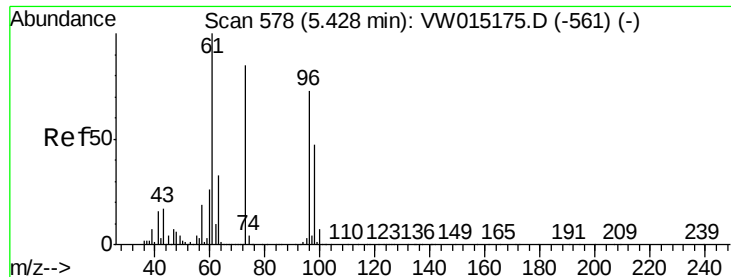
Tot Ion: 43 Resp: 729269
Ion Ratio Lower Upper
43 100
74 23.9 19.4 29.2



#16
Methylene chloride
Concen: 80.031 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015177.D
Acq: 10 Apr 2020 12:42

Tgt Ion: 84 Resp: 1648338
Ion Ratio Lower Upper
84 100
49 119.4 85.8 159.4
86 63.3 44.7 82.9



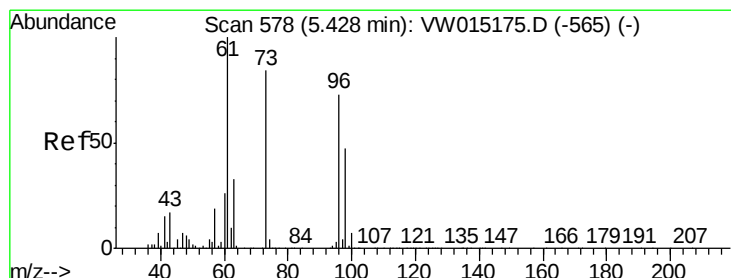
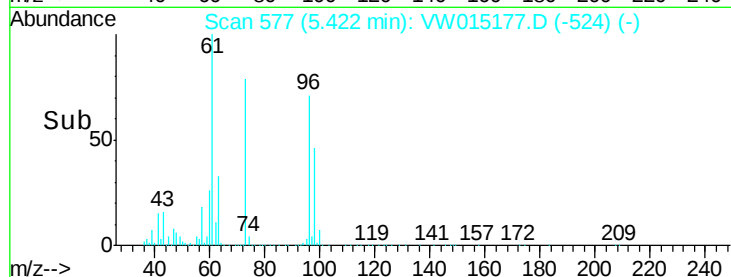
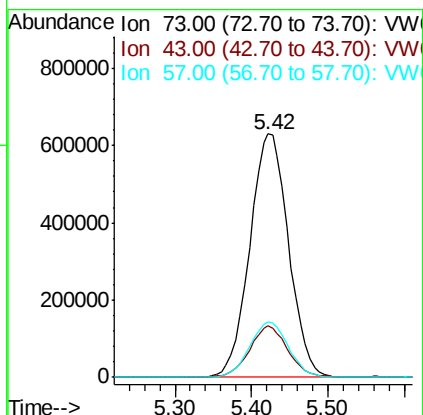
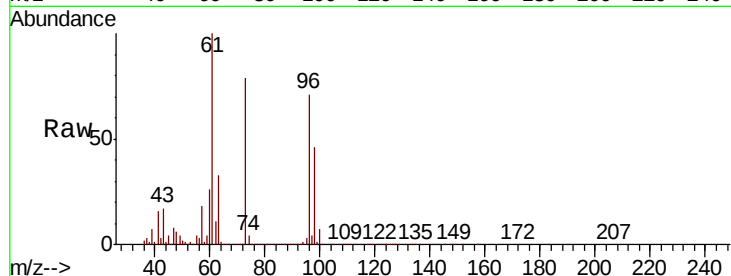


#17
Methvl tert-butvl Ether
Concen: 93.493 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW015177.D
Acq: 10 Apr 2020 12:42

Instrument :
MSVOA_W
ClientSampleId :
VSTD10002

Tot Ion: 73 Resp: 2216177

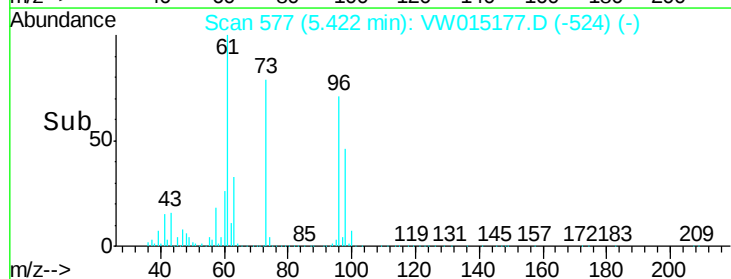
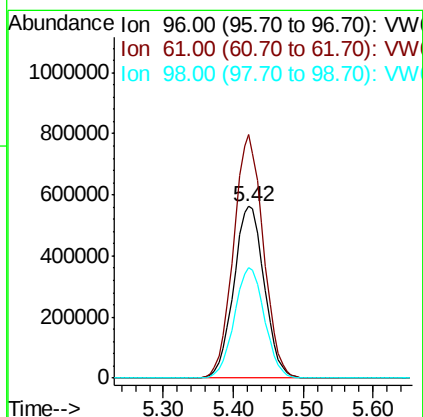
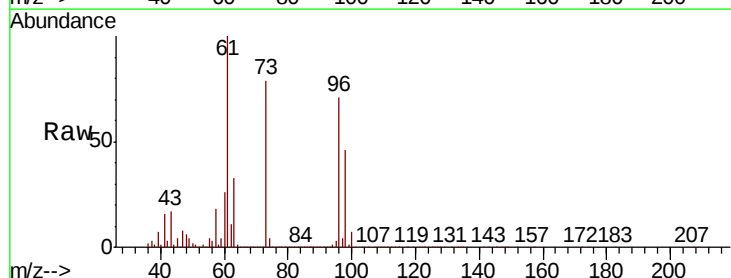
Ion	Ratio	Lower	Upper
73	100		
43	20.0	15.8	23.8
57	22.3	17.6	26.4

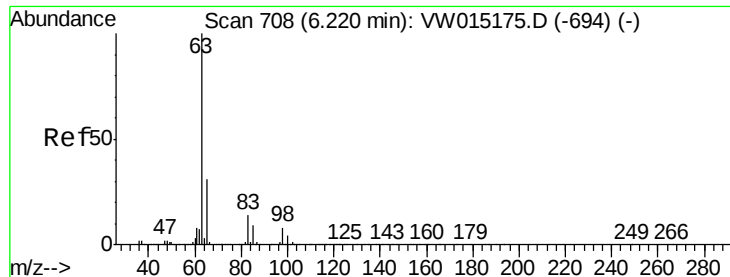


#18
trans-1,2-Dichloroethene
Concen: 90.231 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW015177.D
Acq: 10 Apr 2020 12:42

Tgt Ion: 96 Resp: 1700609

Ion	Ratio	Lower	Upper
96	100		
61	141.6	95.5	177.3
98	64.6	45.1	83.9





#19

1,1-Dichloroethane

Concen: 76.196 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW015177.D

Acq: 10 Apr 2020 12:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD10002

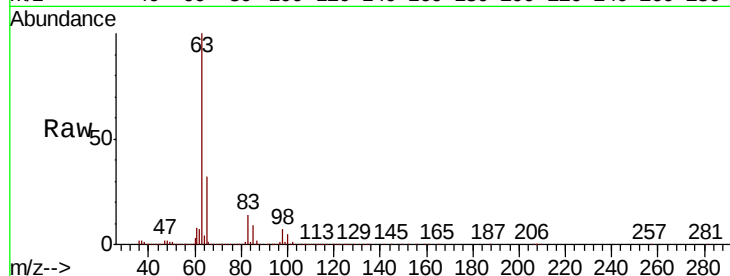
Tot Ion: 63 Resp: 2960858

Ion Ratio Lower Upper

63 100

65 31.9 22.0 40.8

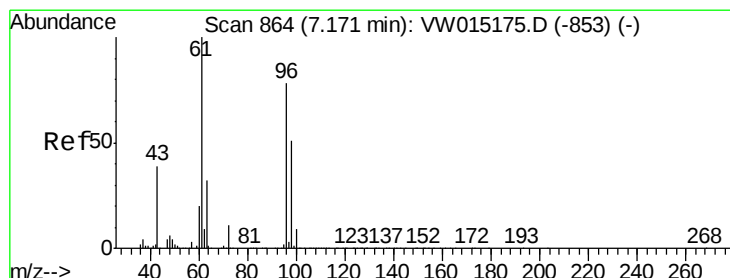
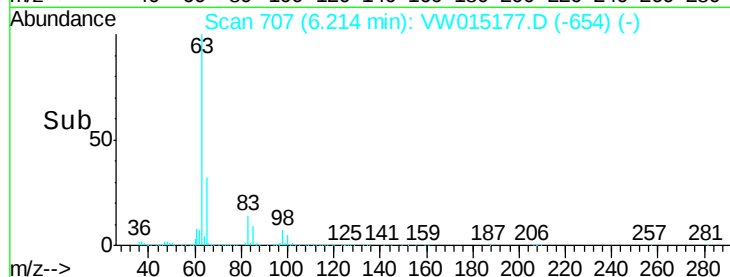
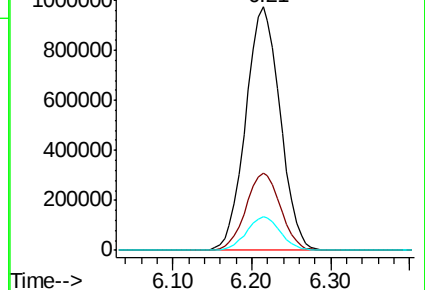
83 13.6 9.7 17.9



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 65.00 (64.70 to 65.70): VW

Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 161.332 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW015177.D

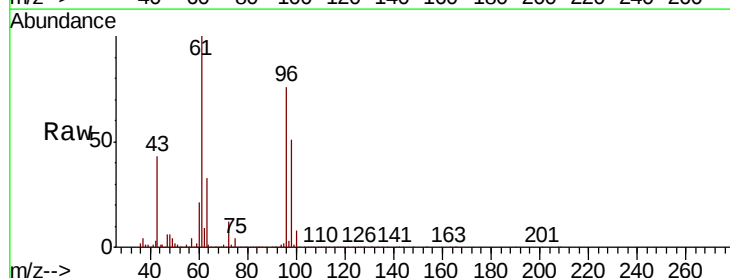
Acq: 10 Apr 2020 12:42

Tgt Ion: 43 Resp: 945929

Ion Ratio Lower Upper

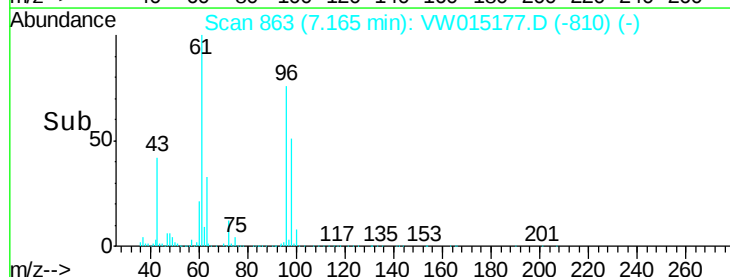
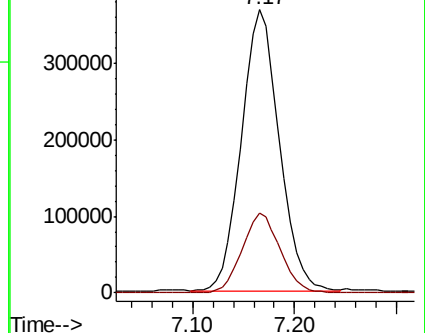
43 100

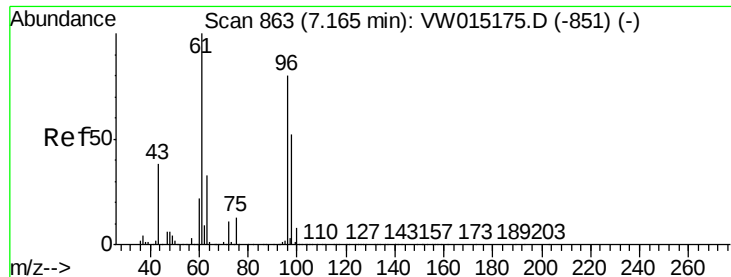
72 28.7 14.4 43.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



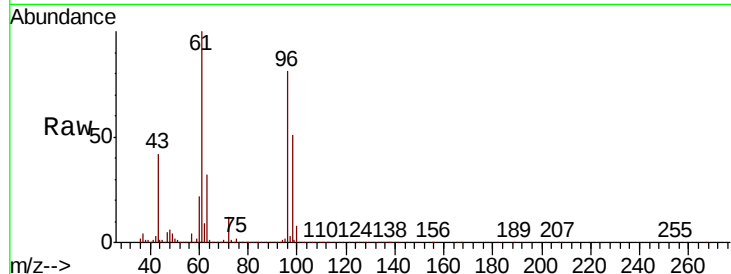


#22

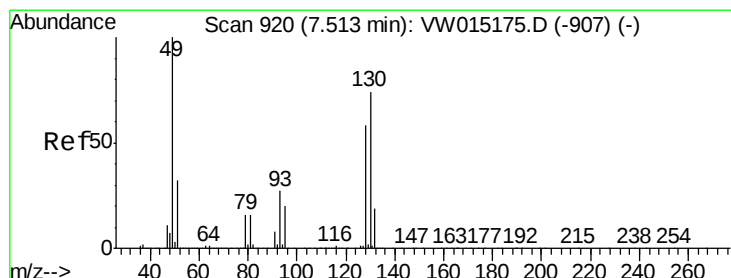
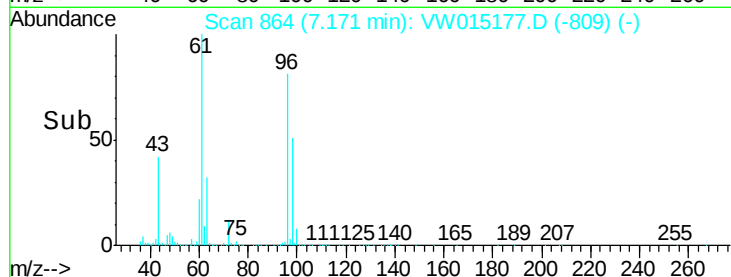
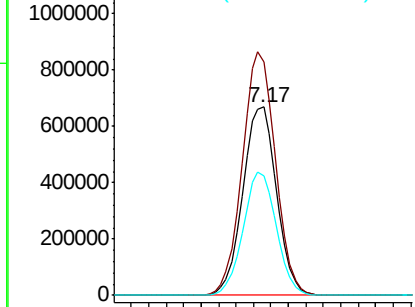
cis-1,2-Dichloroethene
 Concen: 95.056 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW015177.D
 Acq: 10 Apr 2020 12:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10002

Tot Ion: 96 Resp: 1792184
 Ion Ratio Lower Upper
 96 100
 61 124.1 87.8 163.0
 98 63.8 45.7 84.9



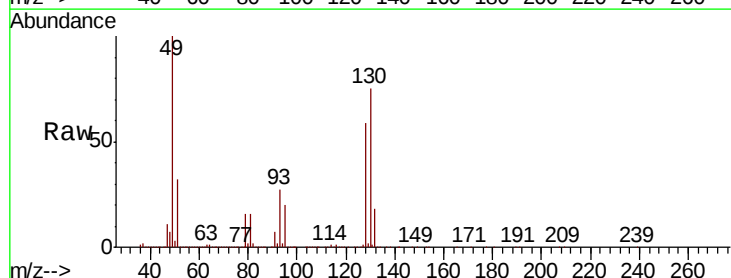
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



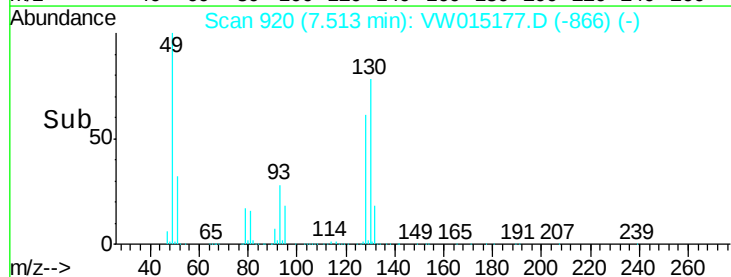
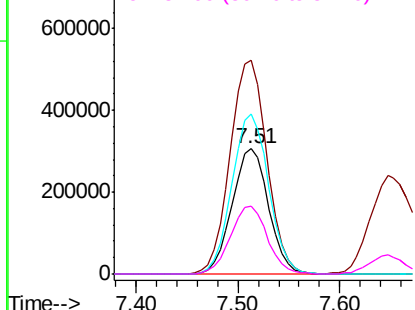
#23

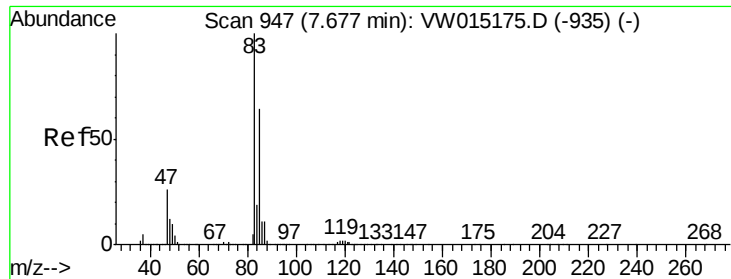
Bromochloromethane
 Concen: 97.749 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW015177.D
 Acq: 10 Apr 2020 12:42

Tgt Ion:128 Resp: 759869
 Ion Ratio Lower Upper
 128 100
 49 170.9 121.1 224.9
 130 128.1 90.1 167.3
 51 53.9 44.6 66.8



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: 79.791 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW015177.D

Acq: 10 Apr 2020 12:42

Instrument :

MSVOA_W

ClientSampleId :

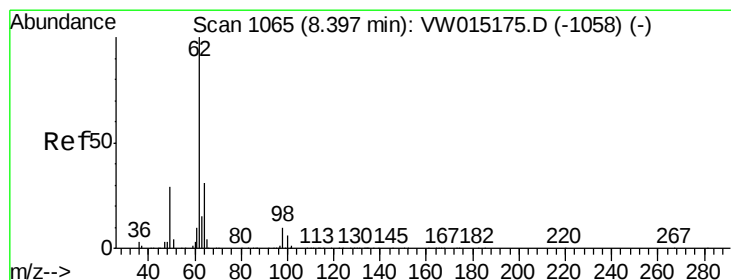
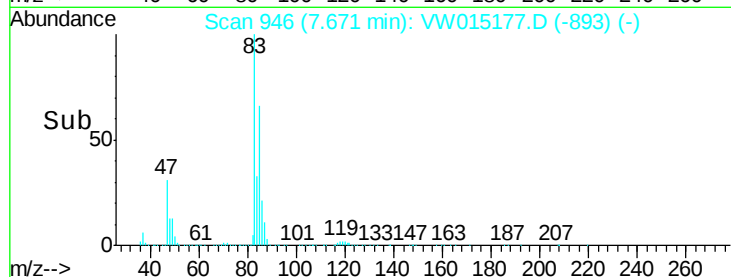
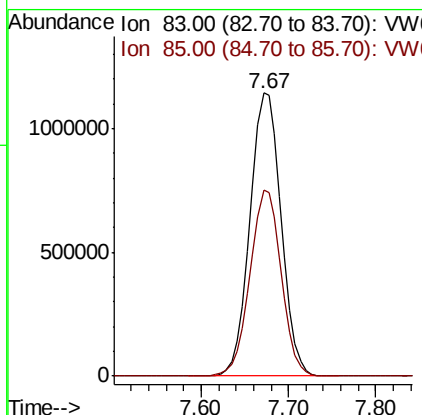
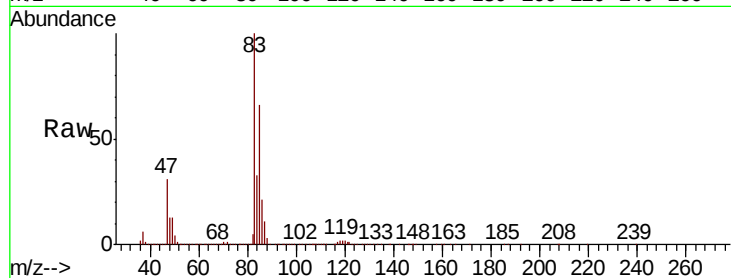
VSTD10002

Tot Ion: 83 Resp: 2840196

Ion Ratio Lower Upper

83 100

85 65.8 45.3 84.1



#27

1,2-Dichloroethane

Concen: 73.378 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW015177.D

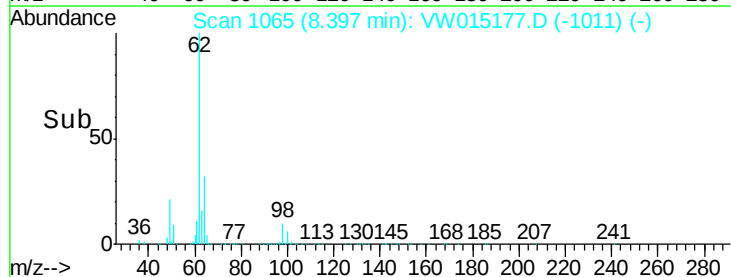
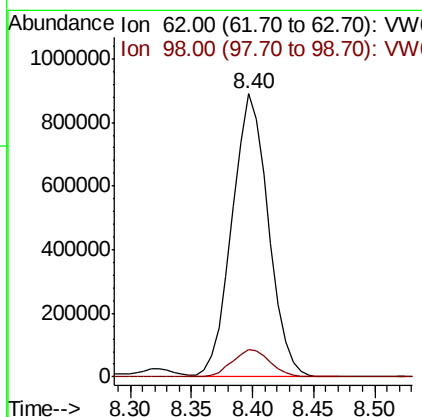
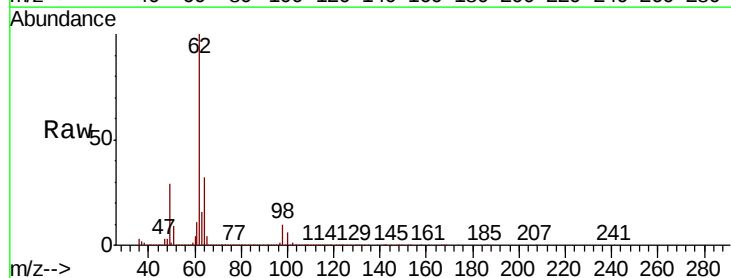
Acq: 10 Apr 2020 12:42

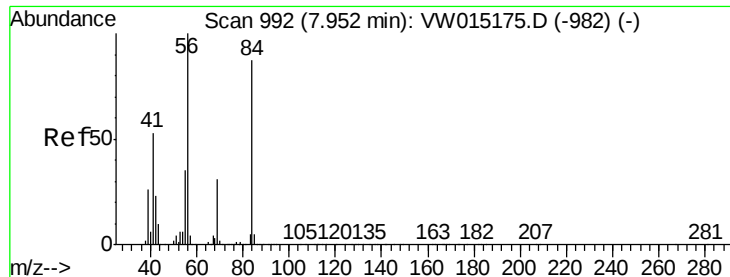
Tgt Ion: 62 Resp: 1827871

Ion Ratio Lower Upper

62 100

98 9.8 7.9 11.9

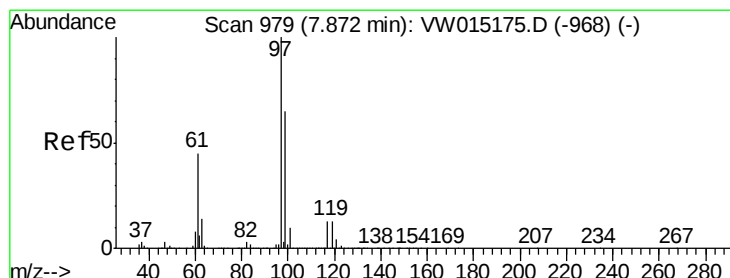
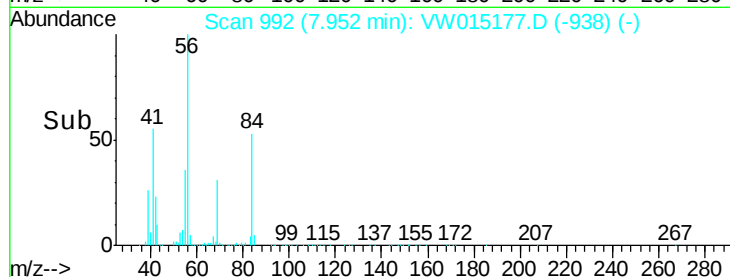
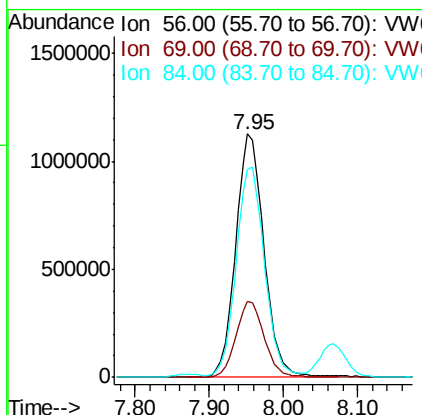
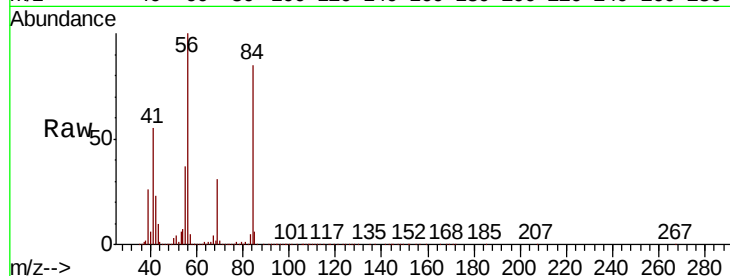




#30
Cyclohexane
Concen: 87.462 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW015177.D
Acq: 10 Apr 2020 12:42

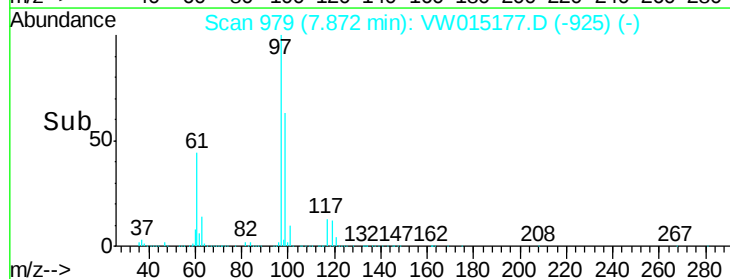
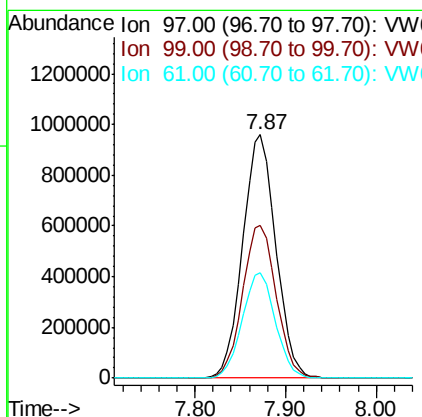
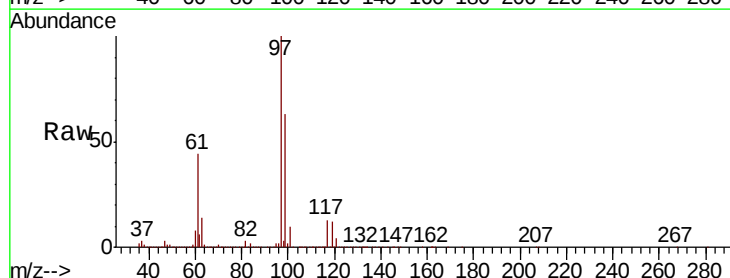
Instrument :
MSVOA_W
ClientSampled :
VSTD10002

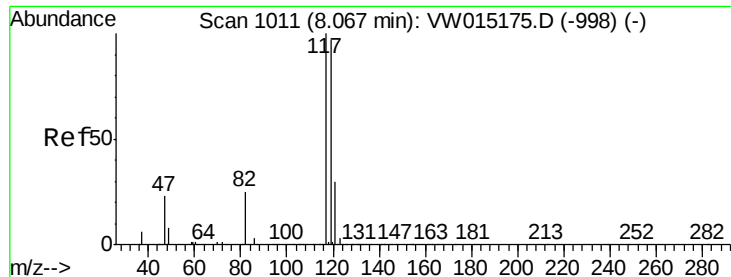
Tot Ion: 56 Resp: 3005384
Ion Ratio Lower Upper
56 100
69 31.0 24.9 37.3
84 86.8 70.6 105.8



#31
1,1,1-Trichloroethane
Concen: 86.011 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015177.D
Acq: 10 Apr 2020 12:42

Tgt Ion: 97 Resp: 2420643
Ion Ratio Lower Upper
97 100
99 63.9 51.5 77.3
61 43.5 35.3 52.9





#32

Carbon tetrachloride

Concen: 90.761 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW015177.D

Acq: 10 Apr 2020 12:42

Instrument :

MSVOA_W

ClientSampleId :

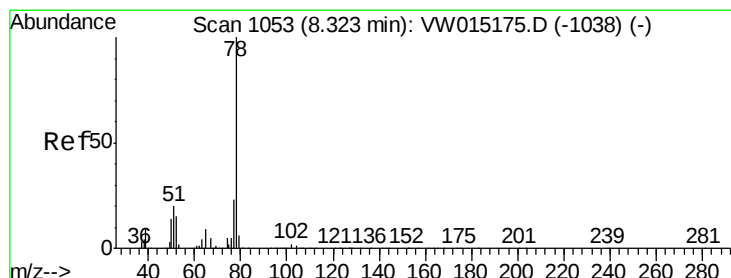
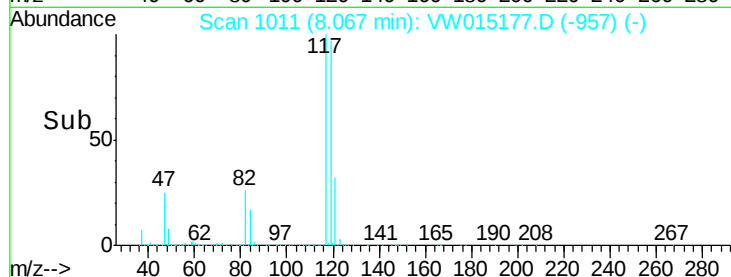
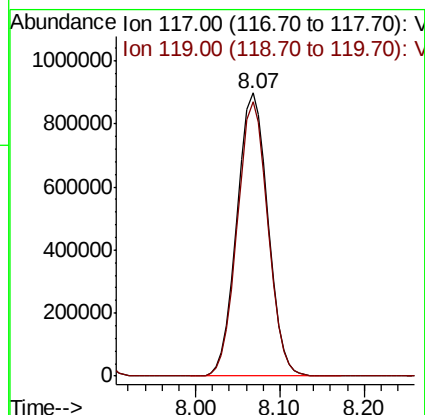
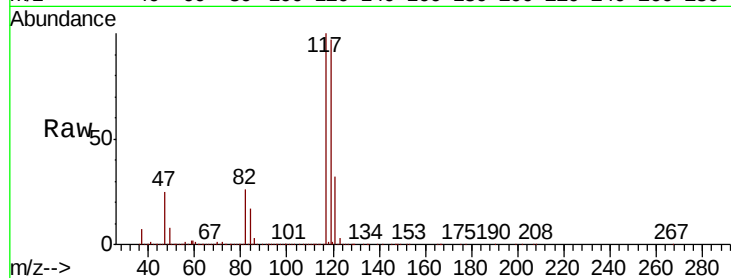
VSTD10002

Tot Ion:117 Resp: 2234712

Ion Ratio Lower Upper

117 100

119 95.5 77.4 116.2



#34

Benzene

Concen: 84.031 ug/L

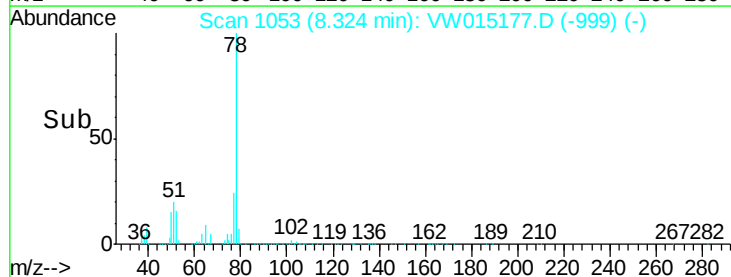
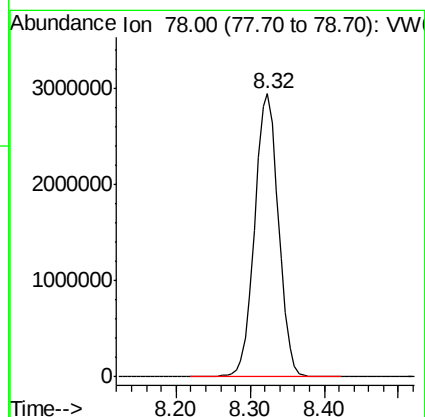
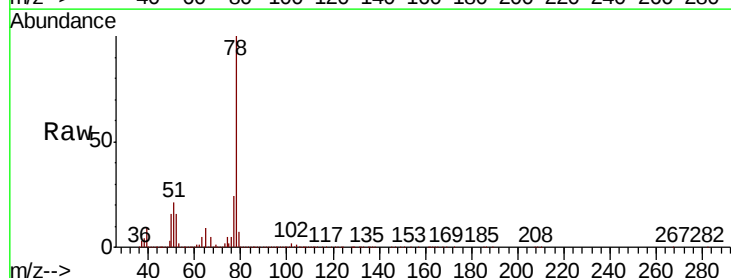
RT: 8.32 min Scan# 1053

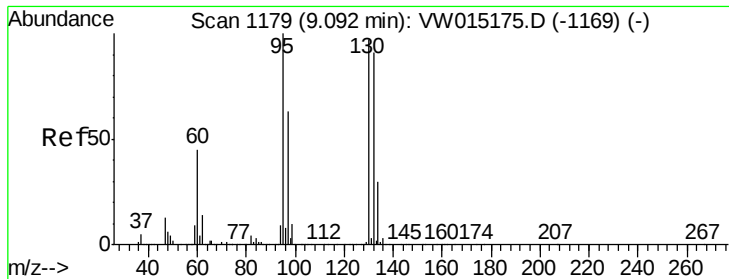
Delta R.T. 0.00 min

Lab File: VW015177.D

Acq: 10 Apr 2020 12:42

Tgt Ion: 78 Resp: 6617188

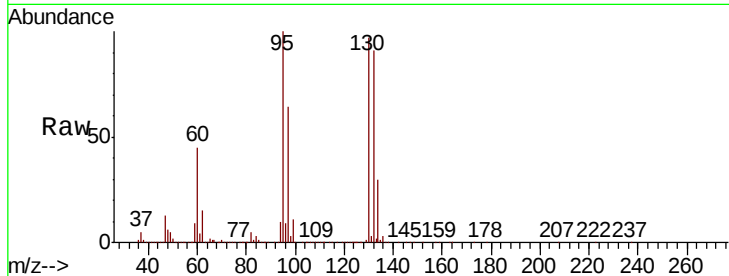




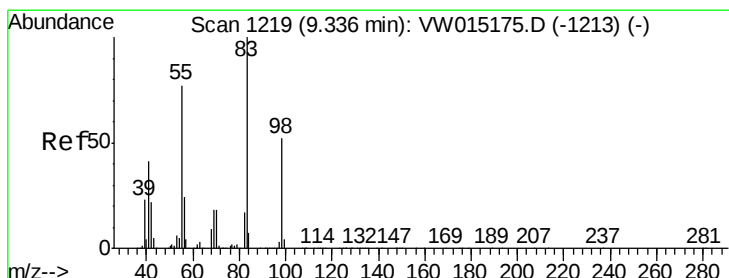
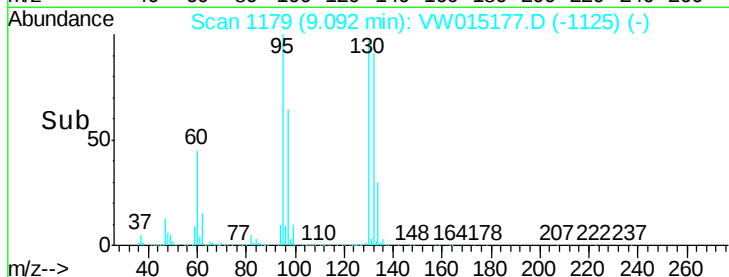
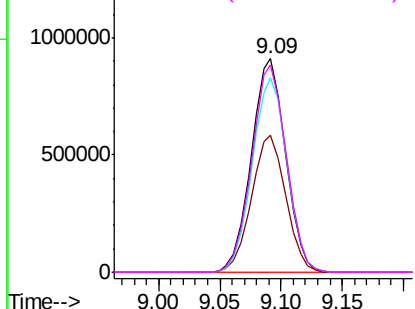
#35
 Trichloroethene
 Concen: 91.350 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW015177.D
 Acq: 10 Apr 2020 12:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10002

Tot Ion: 95 Resp: 1776925
 Ion Ratio Lower Upper
 95 100
 97 64.3 44.7 83.1
 132 92.5 65.7 122.1
 130 97.8 68.8 127.8

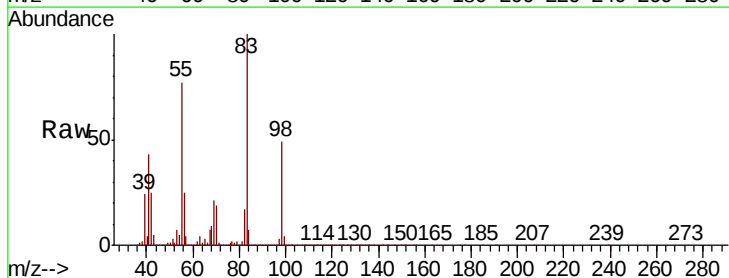


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

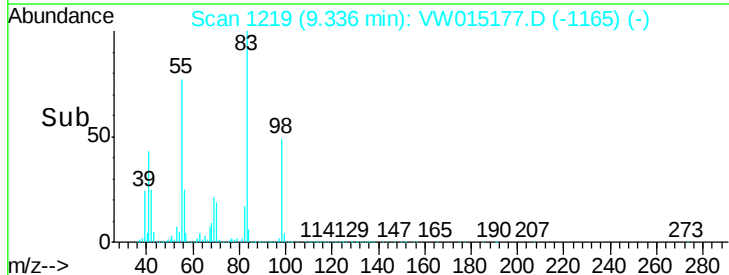
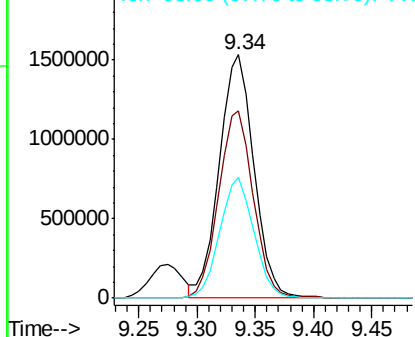


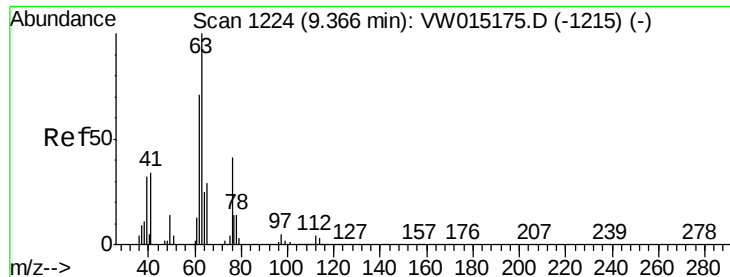
#36
 Methylcyclohexane
 Concen: 93.901 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW015177.D
 Acq: 10 Apr 2020 12:42

Tgt Ion: 83 Resp: 3150728
 Ion Ratio Lower Upper
 83 100
 55 77.1 60.6 91.0
 98 48.7 39.4 59.0



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: 78.596 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW015177.D

Acq: 10 Apr 2020 12:42

Instrument :

MSVOA_W

ClientSampleId :

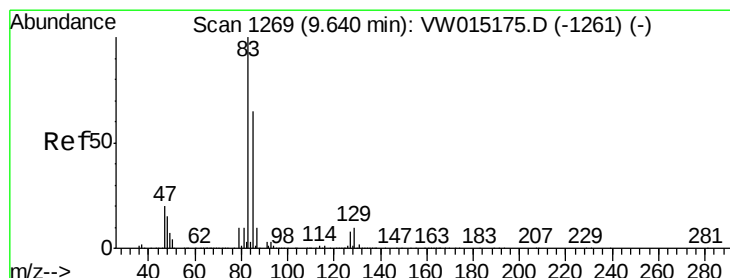
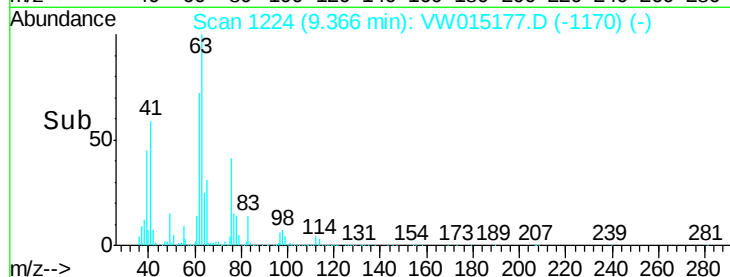
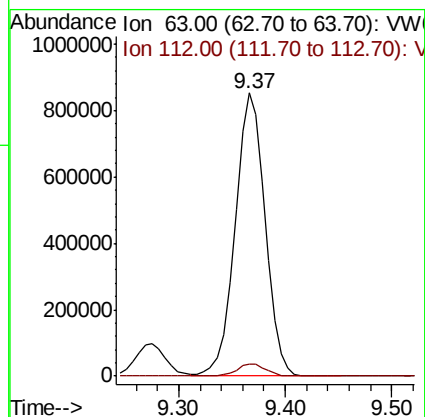
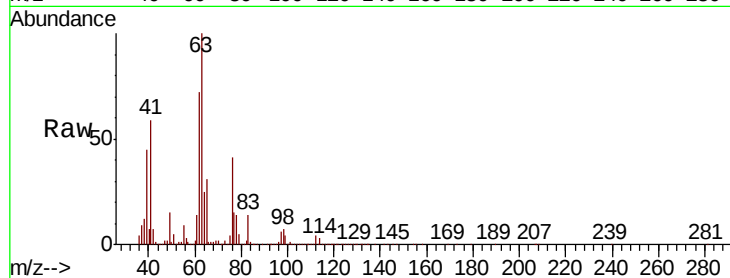
VSTD10002

Tot Ion: 63 Resp: 1681419

Ion Ratio Lower Upper

63 100

112 4.2 3.4 5.2



#41

Bromodichloromethane

Concen: 88.839 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW015177.D

Acq: 10 Apr 2020 12:42

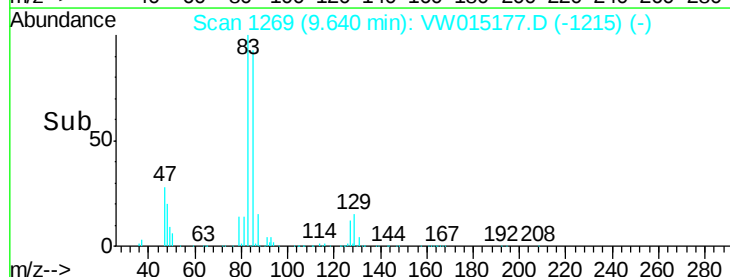
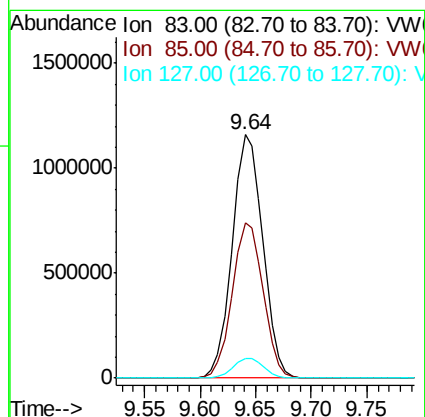
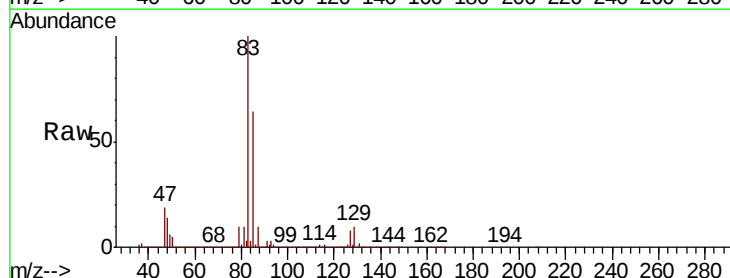
Tgt Ion: 83 Resp: 2202098

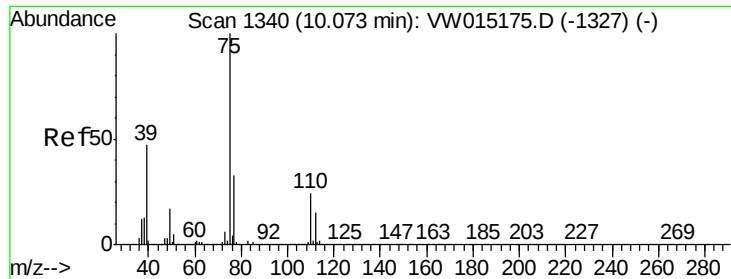
Ion Ratio Lower Upper

83 100

85 64.1 45.4 84.4

127 8.0 6.5 9.7





#42

cis-1,3-Dichloropropene

Concen: 95.812 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015177.D

Acq: 10 Apr 2020 12:42

Instrument :

MSVOA_W

ClientSampleId :

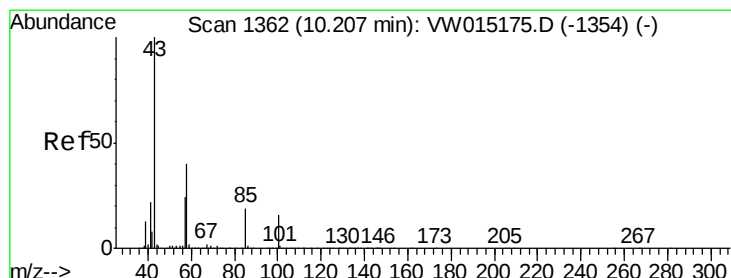
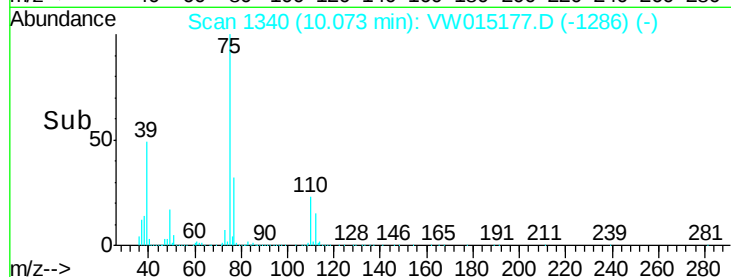
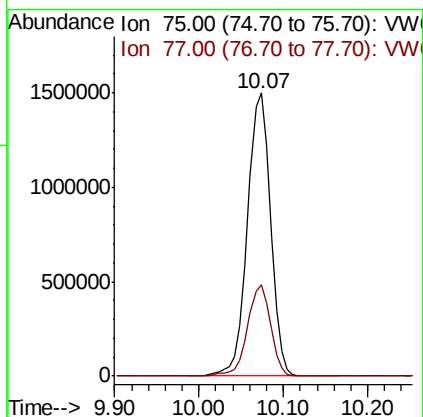
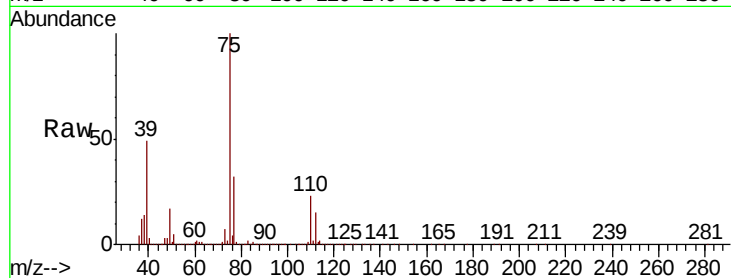
VSTD10002

Tot Ion: 75 Resp: 2774729

Ion Ratio Lower Upper

75 100

77 32.3 23.0 42.8



#43

4-Methyl-2-pentanone

Concen: 181.060 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015177.D

Acq: 10 Apr 2020 12:42

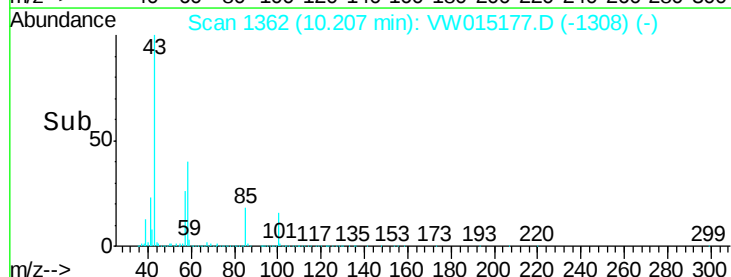
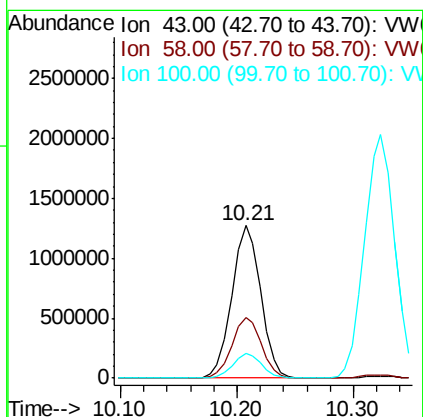
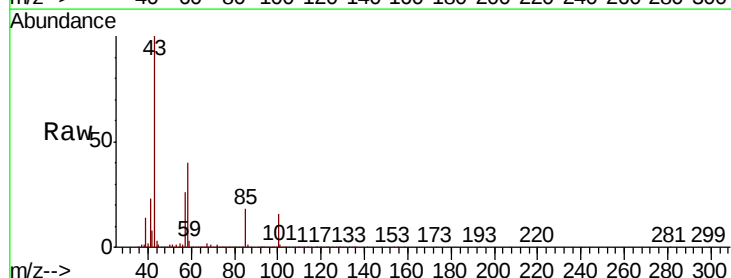
Tgt Ion: 43 Resp: 2194053

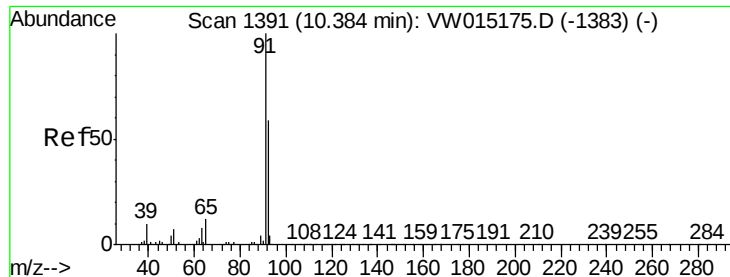
Ion Ratio Lower Upper

43 100

58 40.6 33.0 49.4

100 16.1 12.9 19.3





#44

Toluene

Concen: 90.021 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW015177.D

Acq: 10 Apr 2020 12:42

Instrument :

MSVOA_W

ClientSampleId :

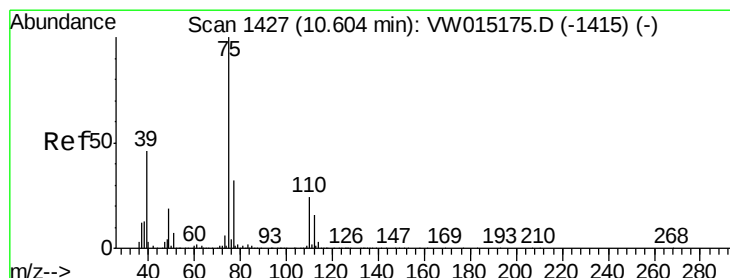
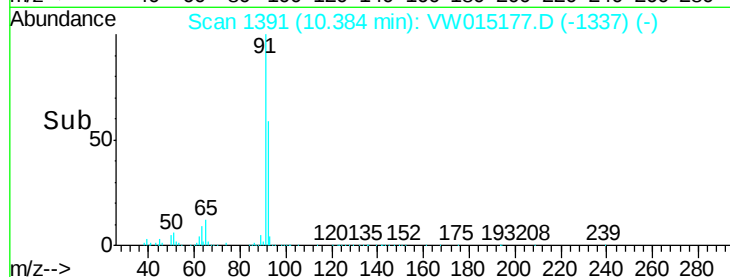
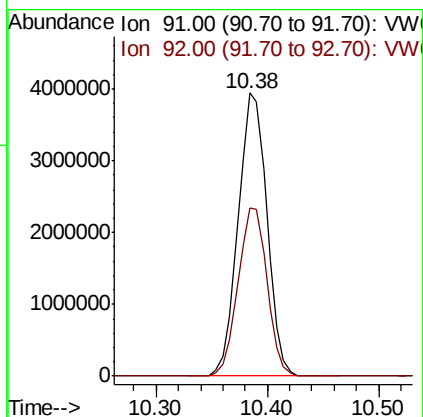
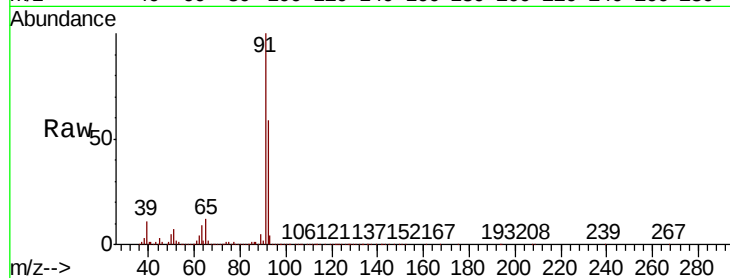
VSTD10002

Tot Ion: 91 Resp: 7062026

Ion Ratio Lower Upper

91 100

92 59.4 41.6 77.2



#45

trans-1,3-Dichloropropene

Concen: 97.025 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015177.D

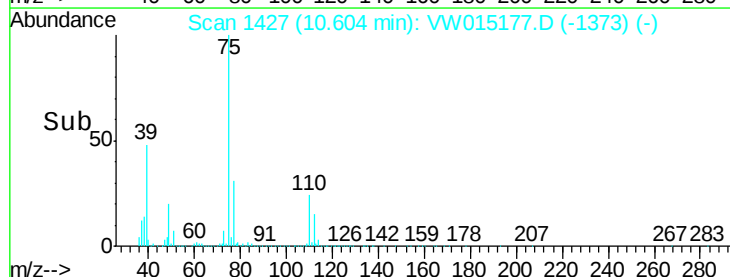
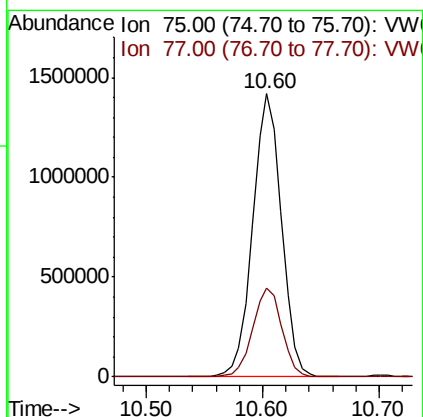
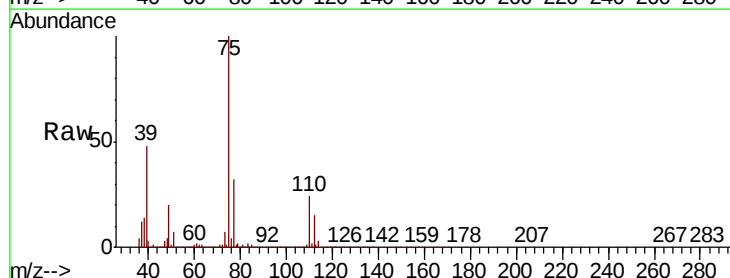
Acq: 10 Apr 2020 12:42

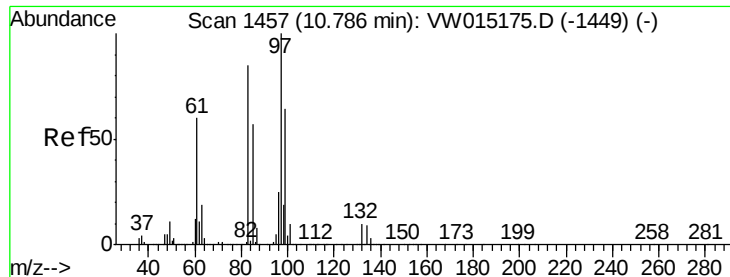
Tgt Ion: 75 Resp: 2448872

Ion Ratio Lower Upper

75 100

77 31.5 22.4 41.6





#46

1,1,2-Trichloroethane

Concen: 95.603 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015177.D

Acq: 10 Apr 2020 12:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD10002

Tot Ion: 97 Resp: 1239332

Ion	Ratio	Lower	Upper
97	100		
83	87.0	59.8	111.0
85	56.1	39.8	73.8
99	63.2	44.4	82.4

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

1000000

800000

600000

400000

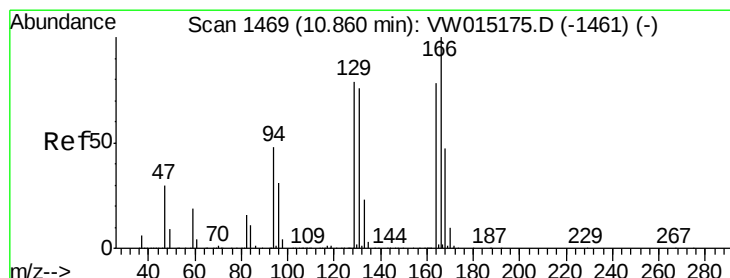
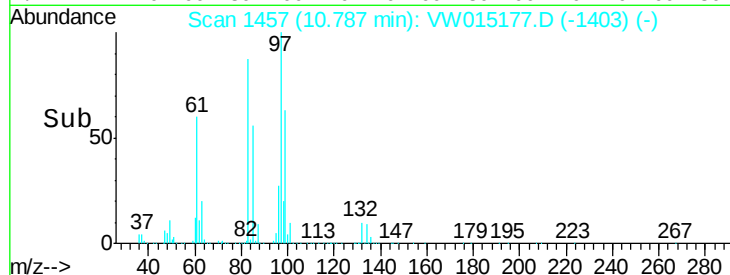
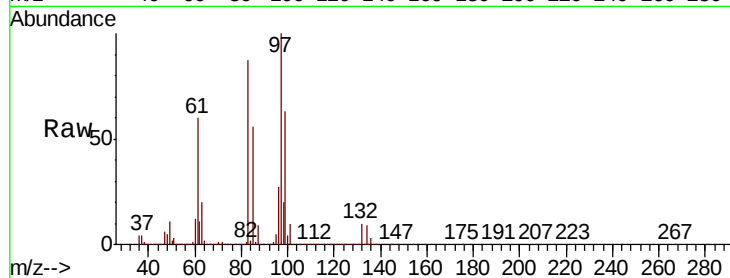
200000

0

Time-->

10.70 10.75 10.80 10.85

10.79



#47

Tetrachloroethene

Concen: 97.595 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW015177.D

Acq: 10 Apr 2020 12:42

Tgt Ion: 164 Resp: 1254508

Ion	Ratio	Lower	Upper
164	100		
129	104.3	70.7	131.3
131	100.3	67.6	125.6
166	129.3	89.3	165.9

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

1000000

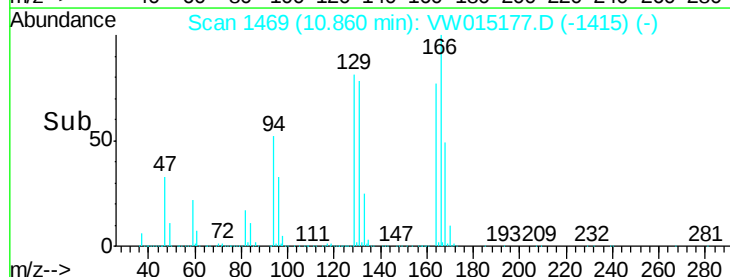
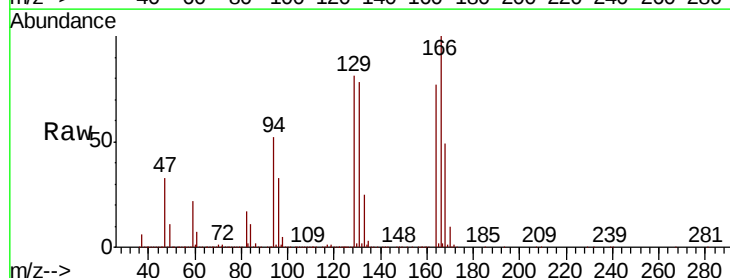
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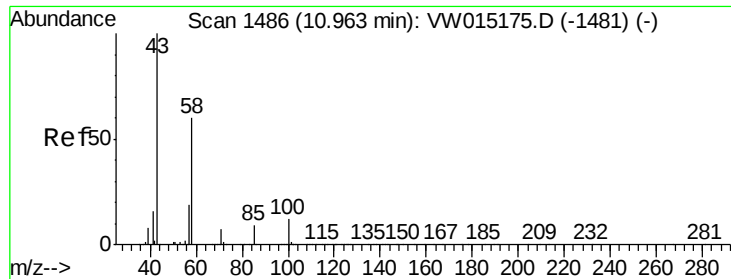
0

Time-->

10.80 10.90

10.86

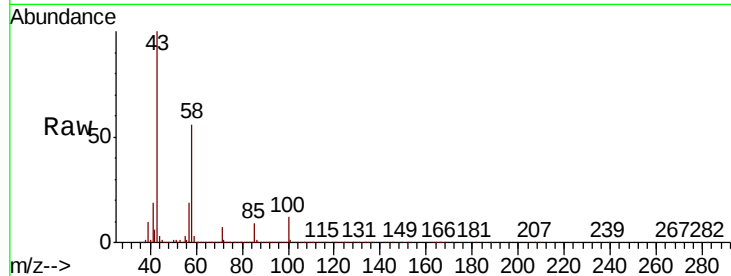




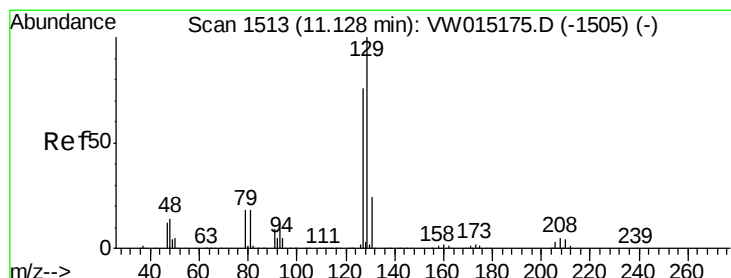
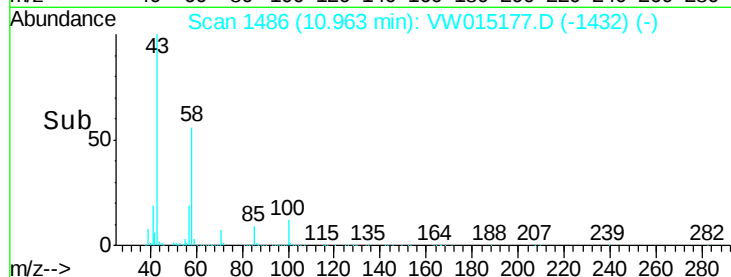
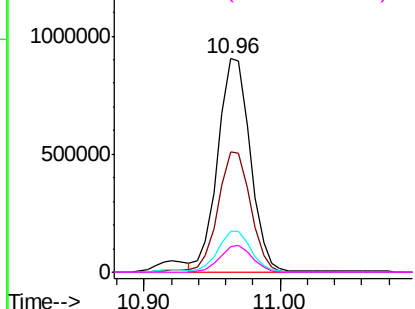
#49
2-Hexanone
Concen: 186.755 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW015177.D
Acq: 10 Apr 2020 12:42

Instrument :
MSVOA_W
ClientSampleId :
VSTD10002

Tot Ion: 43 Resp: 1497662
Ion Ratio Lower Upper
43 100
58 56.8 45.4 68.2
57 19.3 15.2 22.8
100 12.4 10.0 15.0

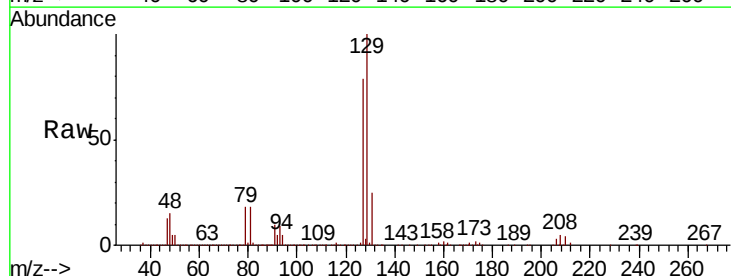


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

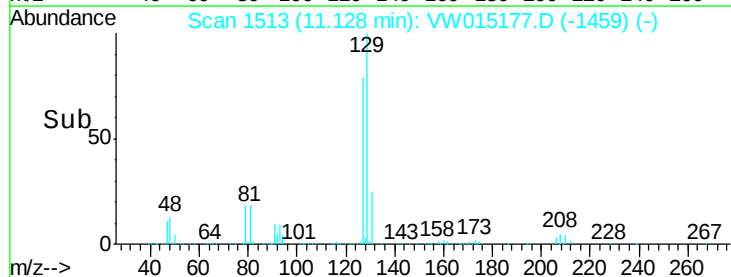
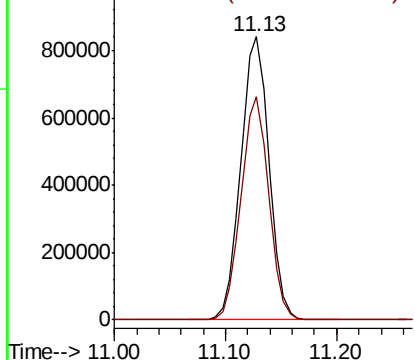


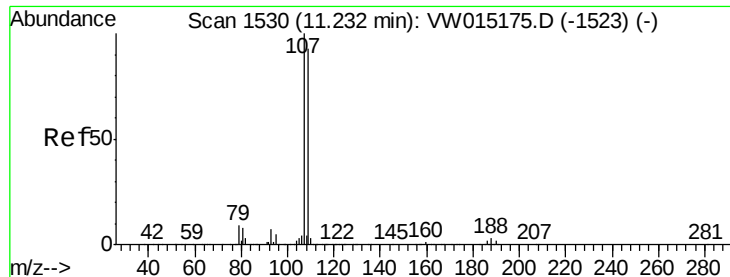
#50
Dibromochloromethane
Concen: 108.113 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015177.D
Acq: 10 Apr 2020 12:42

Tgt Ion: 129 Resp: 1477344
Ion Ratio Lower Upper
129 100
127 78.8 53.1 98.7



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

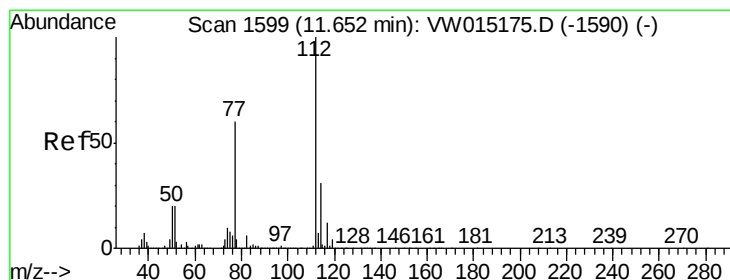
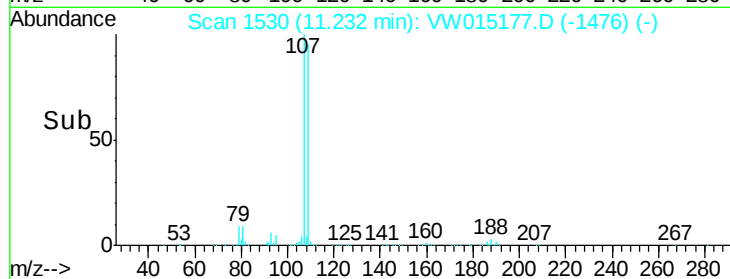
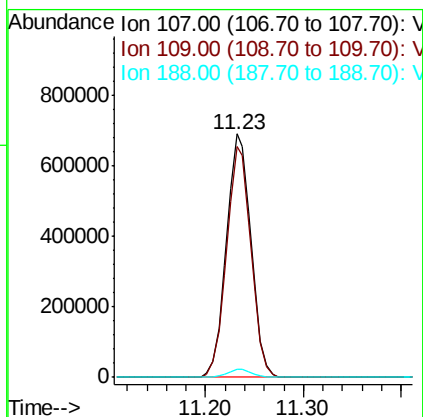
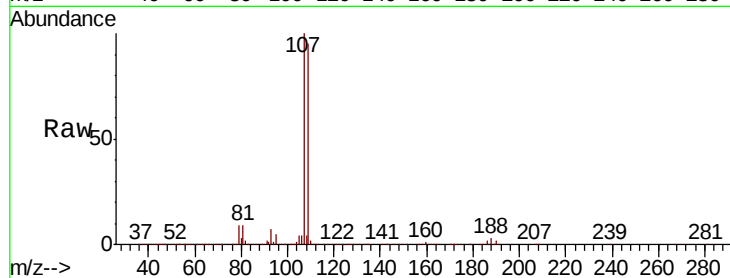




#51
 1,2-Dibromoethane
 Concen: 103.111 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW015177.D
 Acq: 10 Apr 2020 12:42

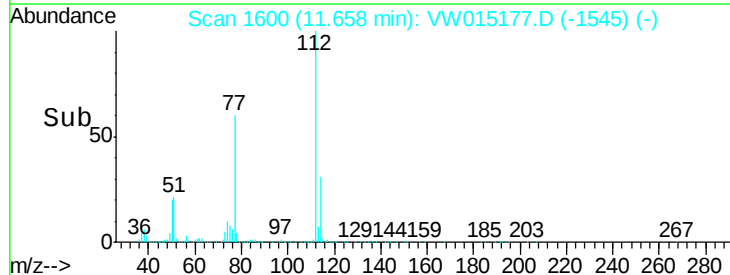
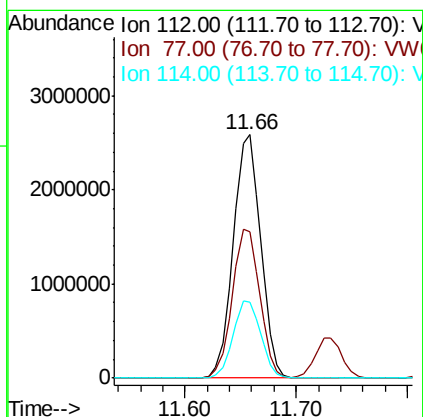
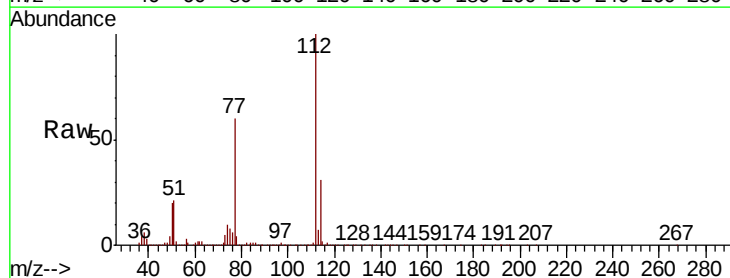
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10002

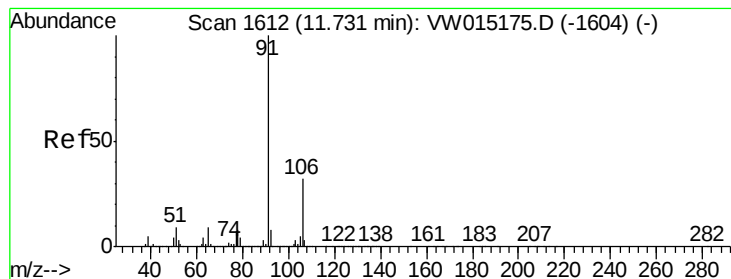
Tot Ion:107 Resp: 1199814
 Ion Ratio Lower Upper
 107 100
 109 94.8 65.0 120.8
 188 3.1 2.6 4.0



#52
 Chlorobenzene
 Concen: 94.130 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.01 min
 Lab File: VW015177.D
 Acq: 10 Apr 2020 12:42

Tgt Ion:112 Resp: 4406304
 Ion Ratio Lower Upper
 112 100
 77 60.0 47.8 71.8
 114 31.4 21.8 40.6





#53

Ethylbenzene

Concen: 92.722 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW015177.D

Acq: 10 Apr 2020 12:42

Instrument :

MSVOA_W

ClientSampleId :

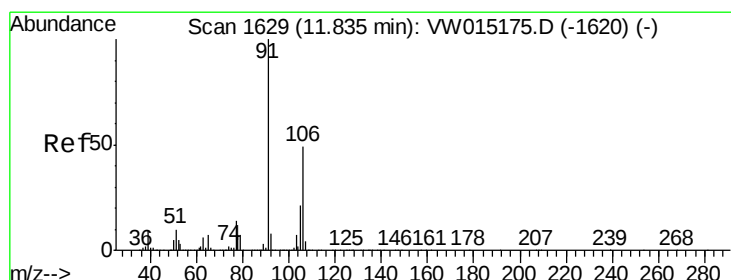
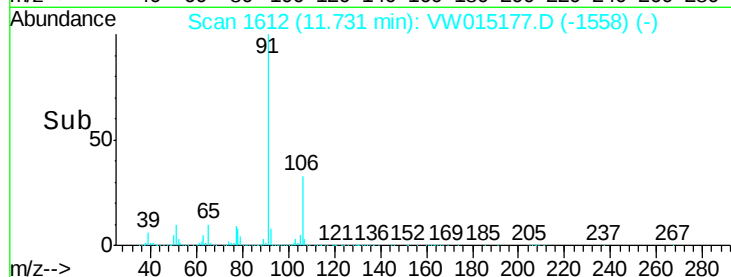
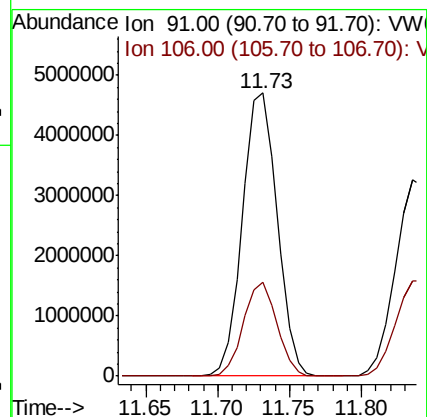
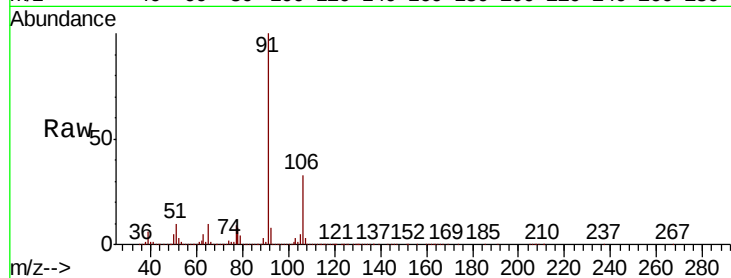
VSTD10002

Tot Ion: 91 Resp: 7903654

Ion Ratio Lower Upper

91 100

106 33.2 22.5 41.7



#54

m,p-Xylene

Concen: 102.227 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW015177.D

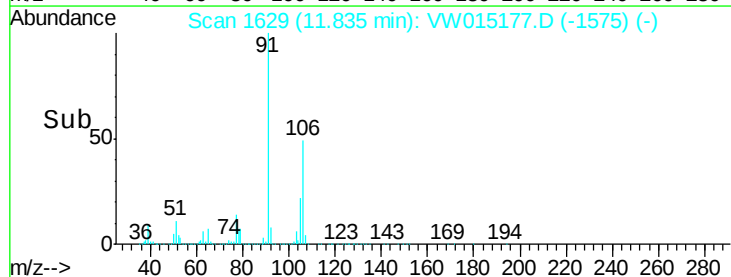
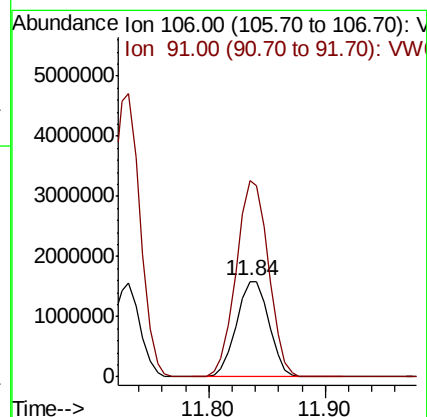
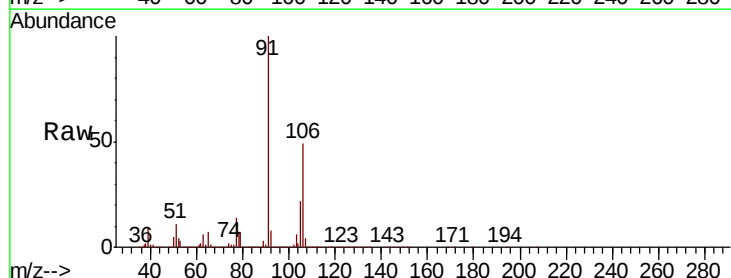
Acq: 10 Apr 2020 12:42

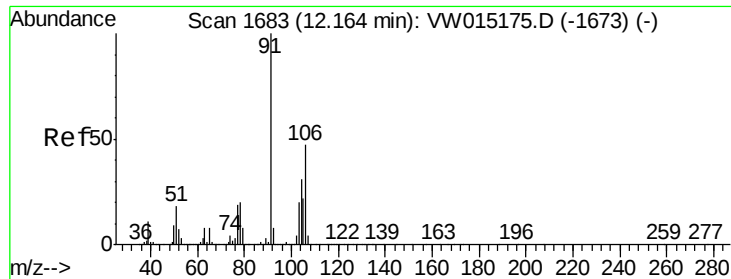
Tgt Ion: 106 Resp: 3101757

Ion Ratio Lower Upper

106 100

91 205.2 142.7 264.9

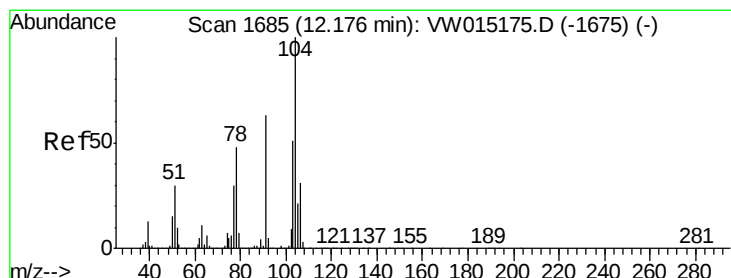
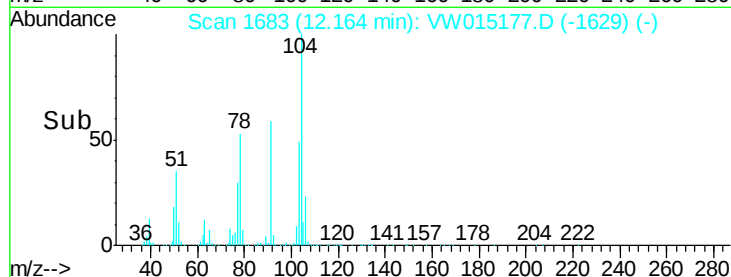
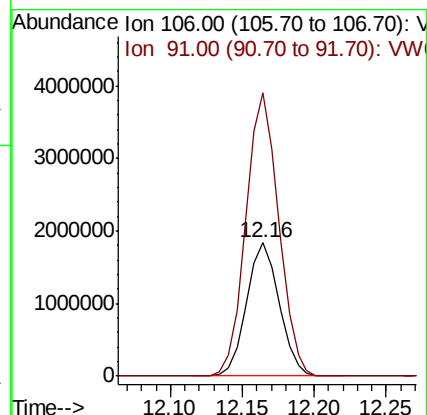
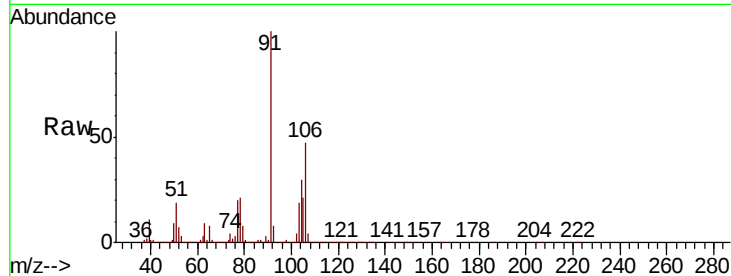




#55
o-xylene
Concen: 100.820 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015177.D
Acq: 10 Apr 2020 12:42

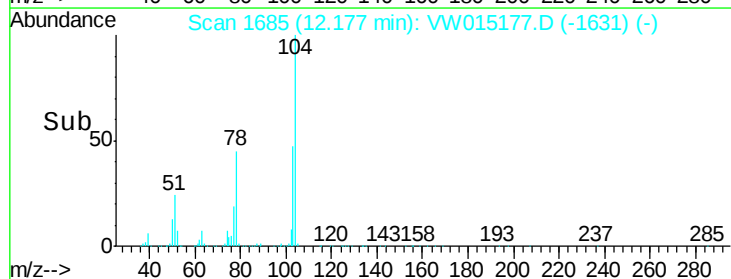
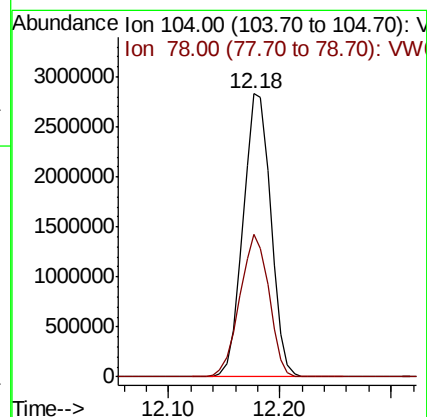
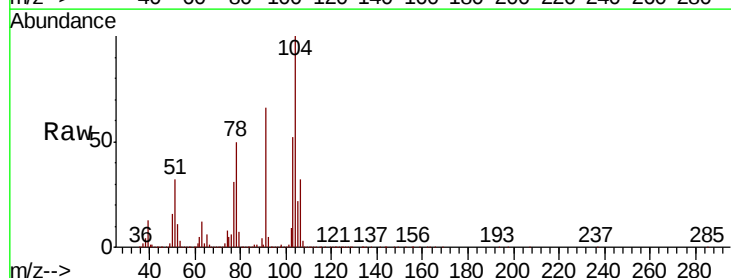
Instrument :
MSVOA_W
ClientSampleId :
VSTD10002

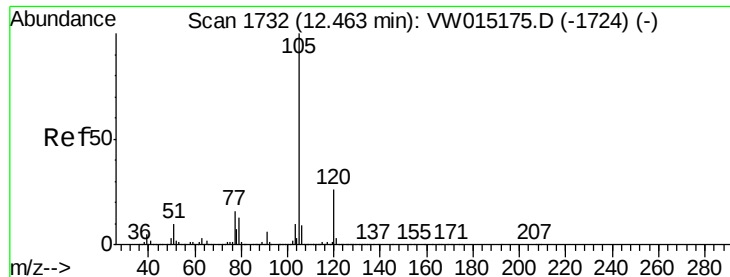
Tot Ion:106 Resp: 2881336
Ion Ratio Lower Upper
106 100
91 212.1 150.1 278.7



#56
Styrene
Concen: 100.902 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW015177.D
Acq: 10 Apr 2020 12:42

Tgt Ion:104 Resp: 4879646
Ion Ratio Lower Upper
104 100
78 50.2 33.9 63.0





#57

Isopropylbenzene

Concen: 99.574 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015177.D

Acq: 10 Apr 2020 12:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD10002

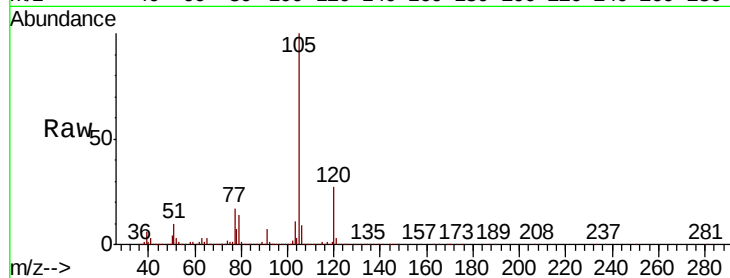
Tot Ion:105 Resp: 7802940

Ion Ratio Lower Upper

105 100

120 27.3 21.4 32.2

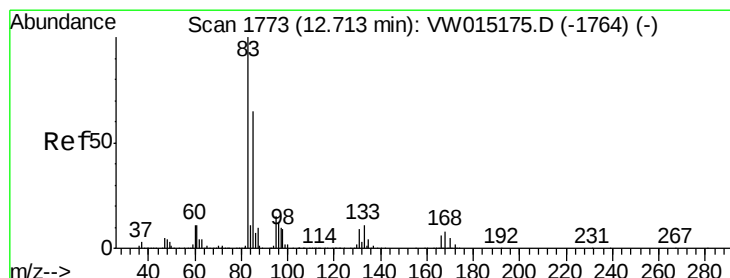
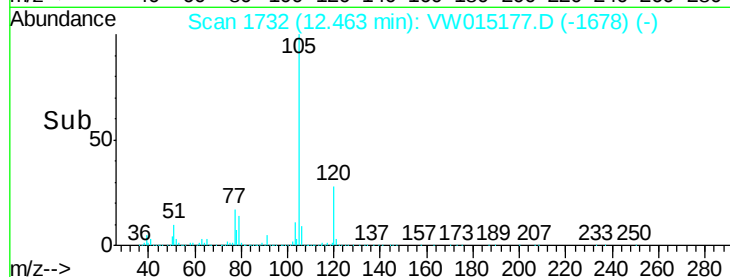
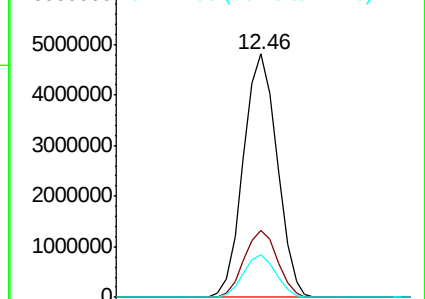
77 16.8 12.8 19.2



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: 93.946 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015177.D

Acq: 10 Apr 2020 12:42

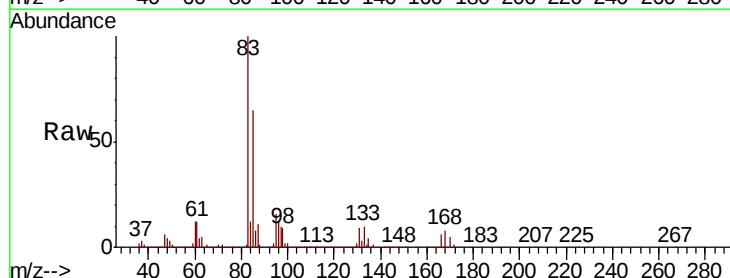
Tgt Ion: 83 Resp: 1504901

Ion Ratio Lower Upper

83 100

85 65.2 45.8 85.0

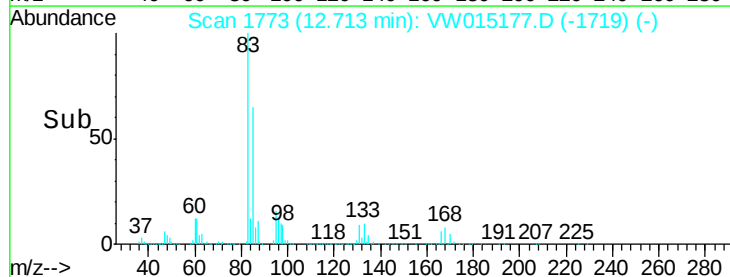
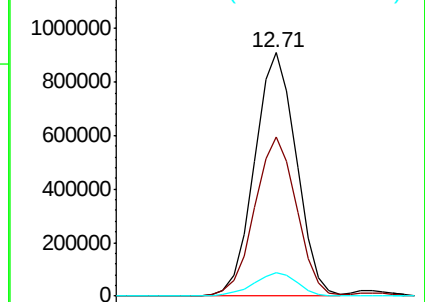
131 9.5 7.2 10.8

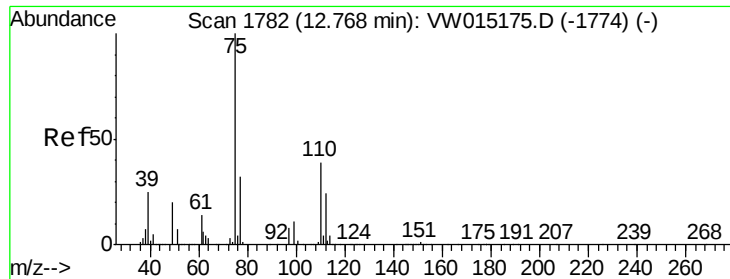


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 94.091 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015177.D

Acq: 10 Apr 2020 12:42

Instrument :

MSVOA_W

ClientSampled :

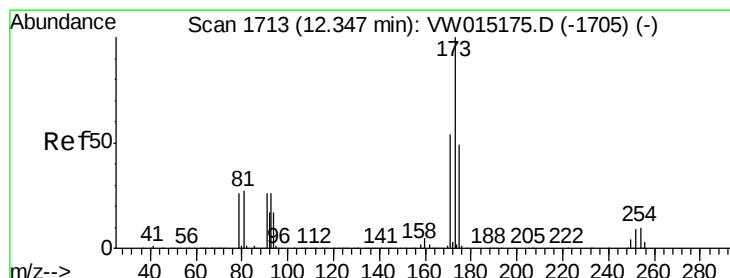
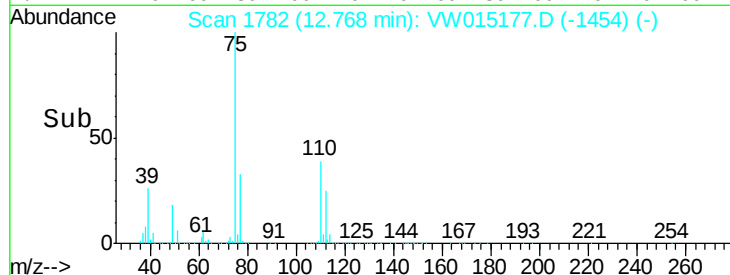
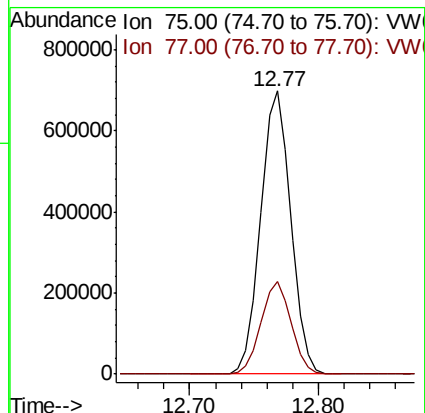
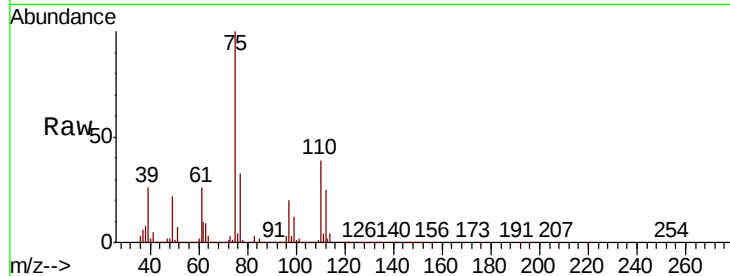
VSTD10002

Tot Ion: 75 Resp: 1127542

Ion Ratio Lower Upper

75 100

77 32.6 25.7 38.5



#62

Bromoform

Concen: 112.686 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015177.D

Acq: 10 Apr 2020 12:42

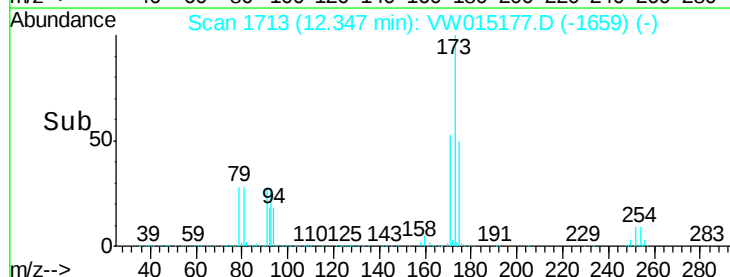
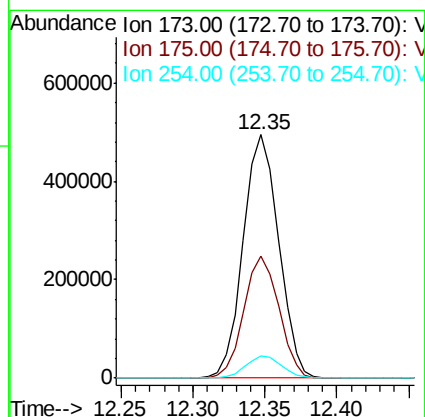
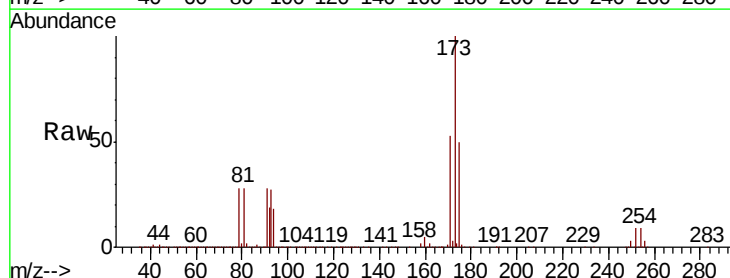
Tgt Ion: 173 Resp: 847034

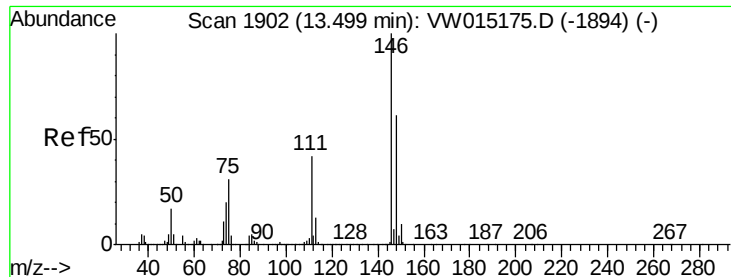
Ion Ratio Lower Upper

173 100

175 49.4 38.5 57.7

254 9.2 7.2 10.8

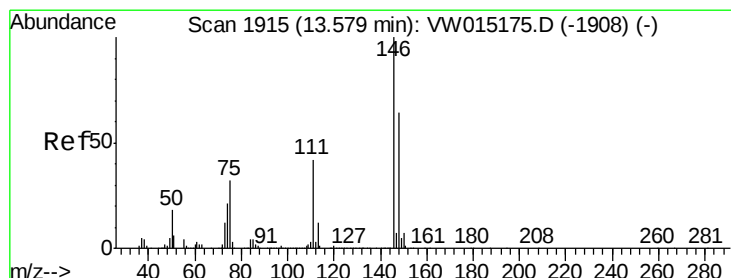
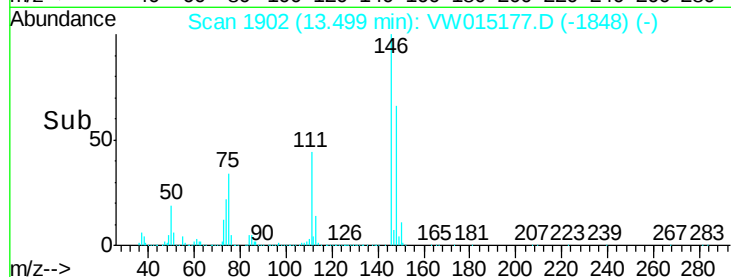
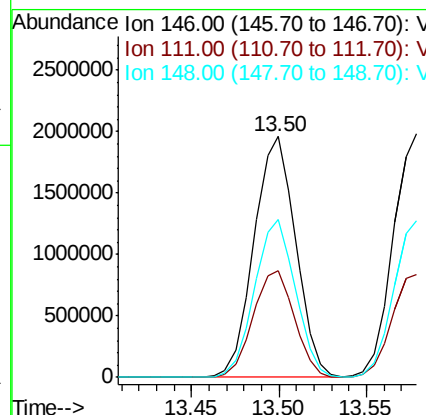
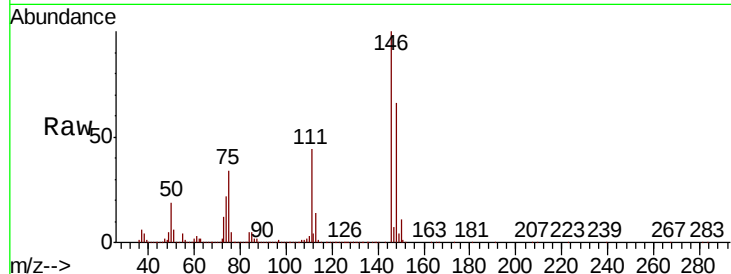




#63
 1,3-Dichlorobenzene
 Concen: 97.366 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015177.D
 Acq: 10 Apr 2020 12:42

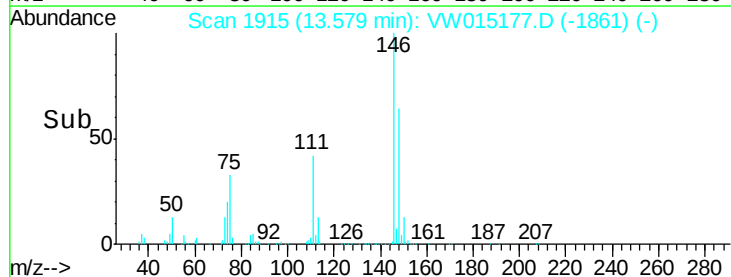
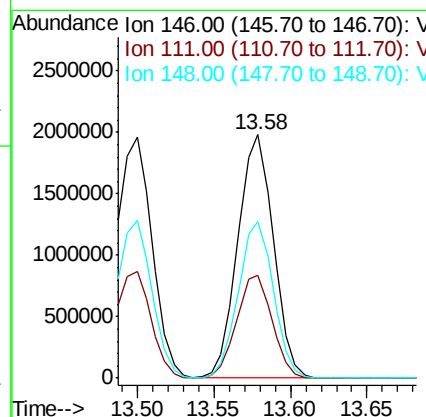
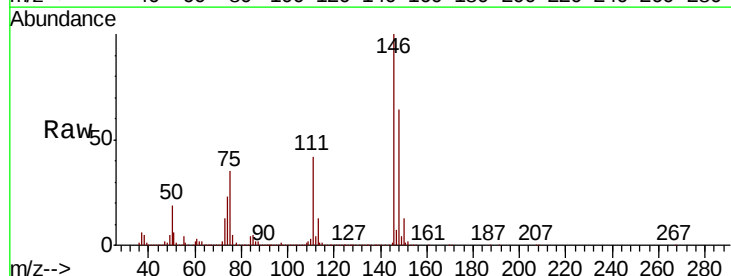
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10002

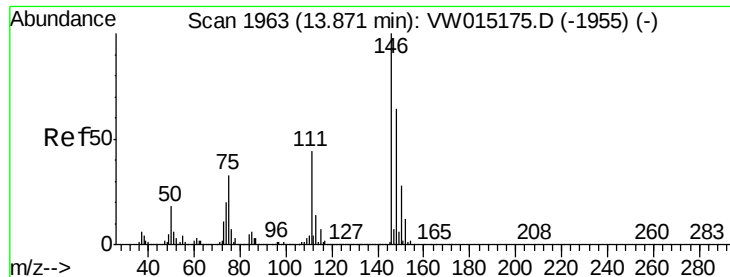
Tot Ion:146 Resp: 3239608
 Ion Ratio Lower Upper
 146 100
 111 44.3 29.3 54.3
 148 65.8 42.9 79.7



#64
 1,4-Dichlorobenzene
 Concen: 94.783 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015177.D
 Acq: 10 Apr 2020 12:42

Tgt Ion:146 Resp: 3193419
 Ion Ratio Lower Upper
 146 100
 111 42.3 29.4 54.6
 148 64.1 44.8 83.2

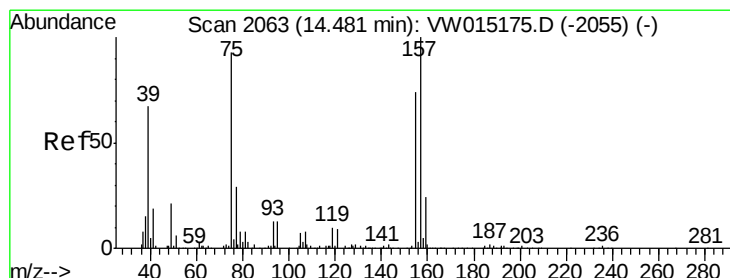
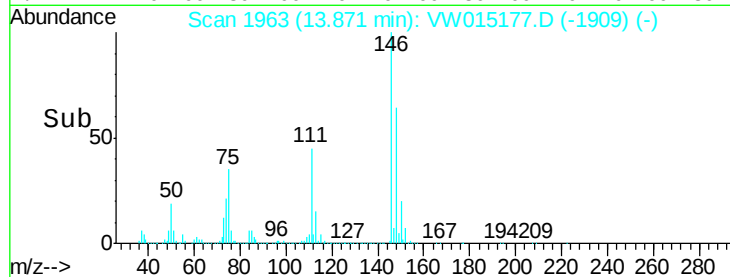
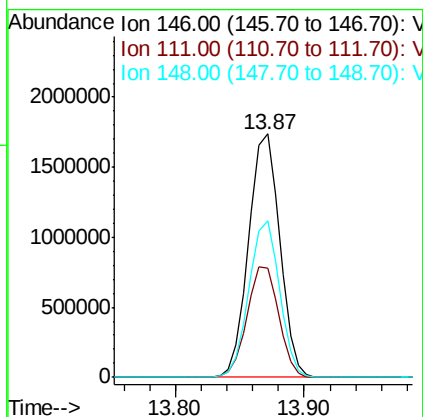
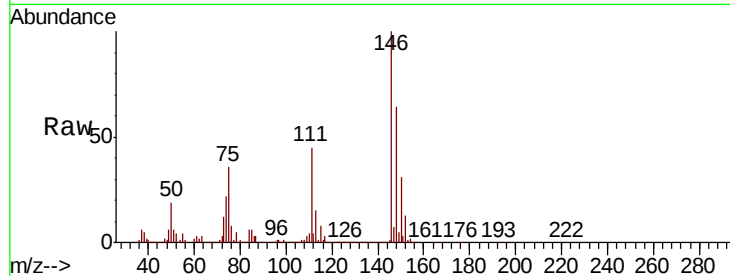




#65
 1,2-Dichlorobenzene
 Concen: 96.263 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015177.D
 Acq: 10 Apr 2020 12:42

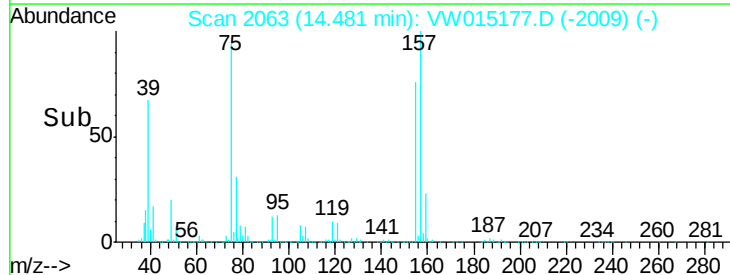
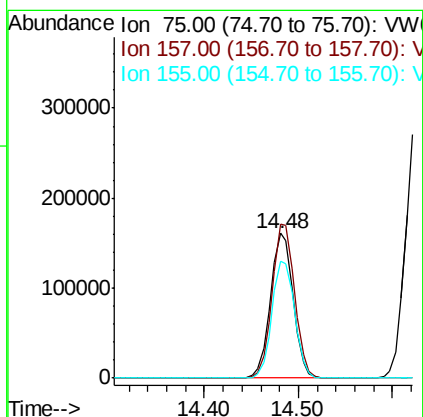
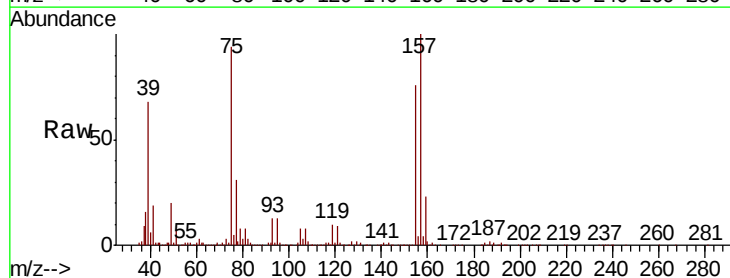
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10002

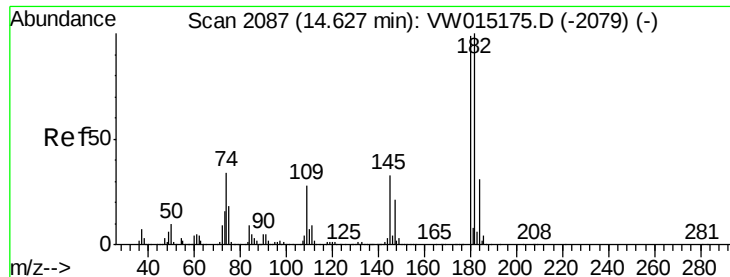
Tot Ion:146 Resp: 2898298
 Ion Ratio Lower Upper
 146 100
 111 44.9 35.2 52.8
 148 64.5 51.6 77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 95.238 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW015177.D
 Acq: 10 Apr 2020 12:42

Tgt Ion: 75 Resp: 268731
 Ion Ratio Lower Upper
 75 100
 157 106.4 85.7 128.5
 155 81.1 63.8 95.6

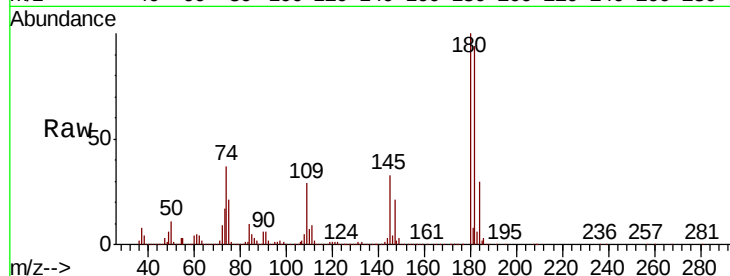




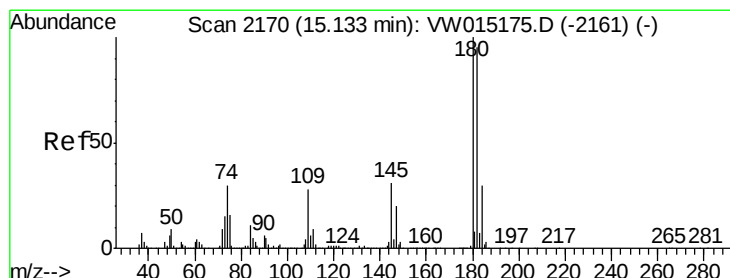
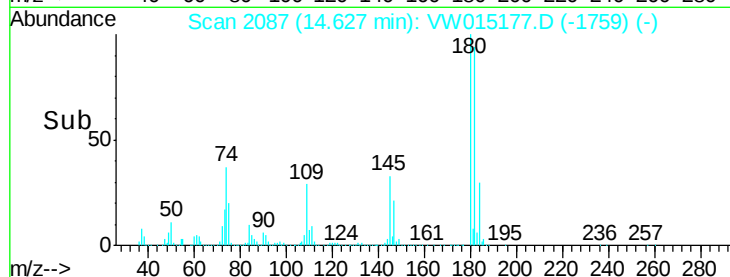
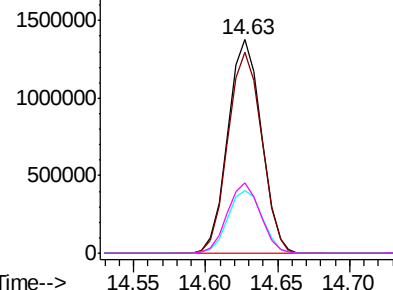
#67
 1,3,5-Trichlorobenzene
 Concen: 101.379 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW015177.D
 Acq: 10 Apr 2020 12:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10002

Tot Ion:180 Resp: 2222220
 Ion Ratio Lower Upper
 180 100
 182 94.9 77.1 115.7
 184 30.3 24.5 36.7
 145 32.3 25.4 38.2

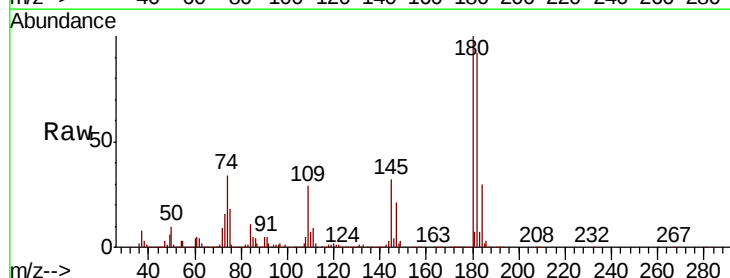


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

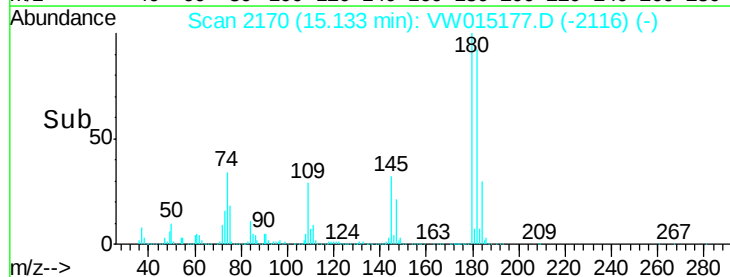
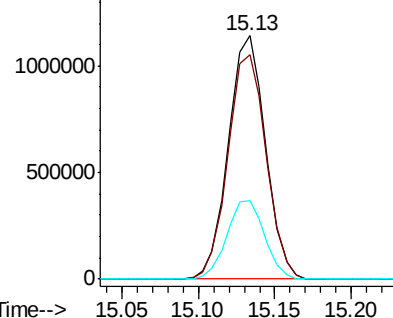


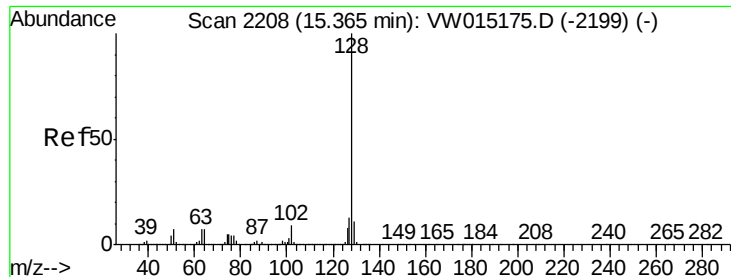
#68
 1,2,4-trichlorobenzene
 Concen: 115.036 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015177.D
 Acq: 10 Apr 2020 12:42

Tgt Ion:180 Resp: 1929335
 Ion Ratio Lower Upper
 180 100
 182 94.8 77.7 116.5
 145 32.8 25.9 38.9



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: 130.792 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW015177.D

Acq: 10 Apr 2020 12:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD10002

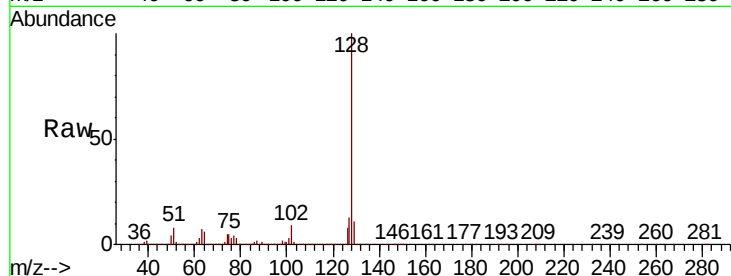
Tot Ion:128 Resp: 4279758

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

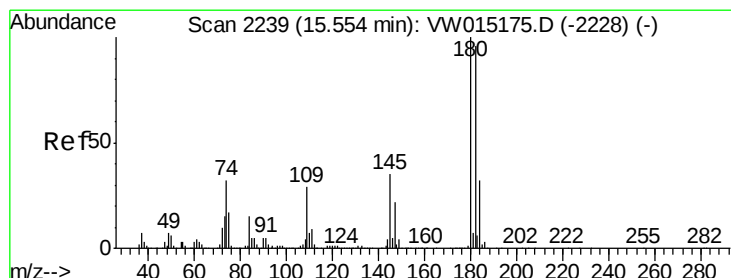
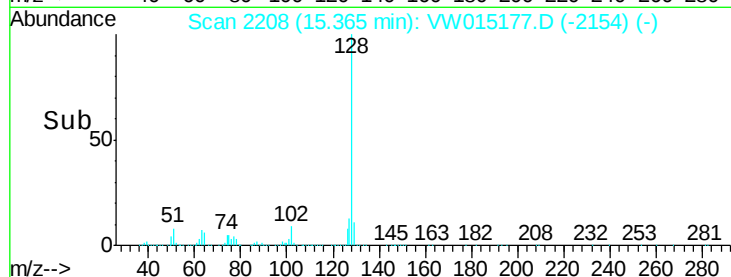
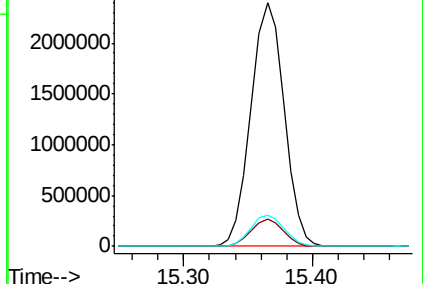
127 13.0 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 111.940 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW015177.D

Acq: 10 Apr 2020 12:42

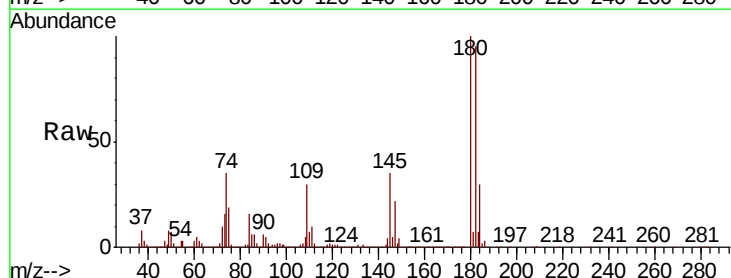
Tgt Ion:180 Resp: 1718472

Ion Ratio Lower Upper

180 100

182 94.5 75.0 112.6

145 34.7 27.4 41.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

