

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090320\
 Data File : VW016443.D
 Acq On : 03 Sep 2020 13:09
 Operator : SY/VA
 Sample : VSTD10001
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10001

Quant Time: Sep 03 13:38:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM090320S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 03 13:30:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	882211	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	802448	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	373846	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	854640	89.68	ug/L	0.00
7) Chloroethane-d5	2.89	69	786534	104.56	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	1944643	86.67	ug/L	0.00
20) 2-Butanone-d5	7.08	46	629623	224.19	ug/L	0.00
24) Chloroform-d	7.65	84	1931947	84.59	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	1057080	89.81	ug/L	0.00
29) Benzene-d6	8.28	84	3696450	82.96	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	1123545	90.20	ug/L	0.00
37) Toluene-d8	10.33	98	3539553	84.60	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	575130	95.43	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	503775	237.63	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	976714	94.76	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	1263290	90.18	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.02	85	997641	100.845	ug/L 99
3) Chloromethane	2.22	50	914273	114.182	ug/L 98
5) Vinyl chloride	2.37	62	1101924	103.164	ug/L 98
6) Bromomethane	2.78	94	848228	118.714	ug/L 99
8) Chloroethane	2.93	64	694648	114.471	ug/L 98
9) Trichlorofluoromethane	3.26	101	968740	88.867	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	1049868	87.132	ug/L 99
12) 1,1-Dichloroethene	4.04	96	1051193	89.537	ug/L 90
13) Acetone	4.12	43	423197	194.822	ug/L 97
14) Carbon disulfide	4.39	76	3227047	91.924	ug/L 99
15) Methyl Acetate	4.67	43	529107	115.535	ug/L 100
16) Methylene chloride	4.92	84	1038948	64.385	ug/L 98
17) Methyl tert-butyl Ether	5.43	73	1528376	89.345	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	1099733	89.145	ug/L 99
19) 1,1-Dichloroethane	6.22	63	1912180	93.757	ug/L 98
21) 2-Butanone	7.17	43	675454	208.760	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	1177755	90.972	ug/L 98
23) Bromochloromethane	7.52	128	552941	93.475	ug/L 95
25) Chloroform	7.68	83	1926130	88.630	ug/L 99
27) 1,2-Dichloroethane	8.40	62	1288835	93.502	ug/L 99
30) Cyclohexane	7.96	56	1786959	99.677	ug/L 98
31) 1,1,1-Trichloroethane	7.88	97	1636627	85.437	ug/L 99
32) Carbon tetrachloride	8.07	117	1579504	86.354	ug/L 99
34) Benzene	8.33	78	4099340	88.628	ug/L 100
35) Trichloroethene	9.10	95	1175250	89.906	ug/L 99
36) Methylcyclohexane	9.34	83	2010680	93.365	ug/L 99
40) 1,2-Dichloropropane	9.37	63	1024514	93.330	ug/L 100
41) Bromodichloromethane	9.65	83	1483233	96.202	ug/L 97
42) cis-1,3-Dichloropropene	10.07	75	1780955	99.176	ug/L 96
43) 4-Methyl-2-pentanone	10.21	43	1542110	227.675	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

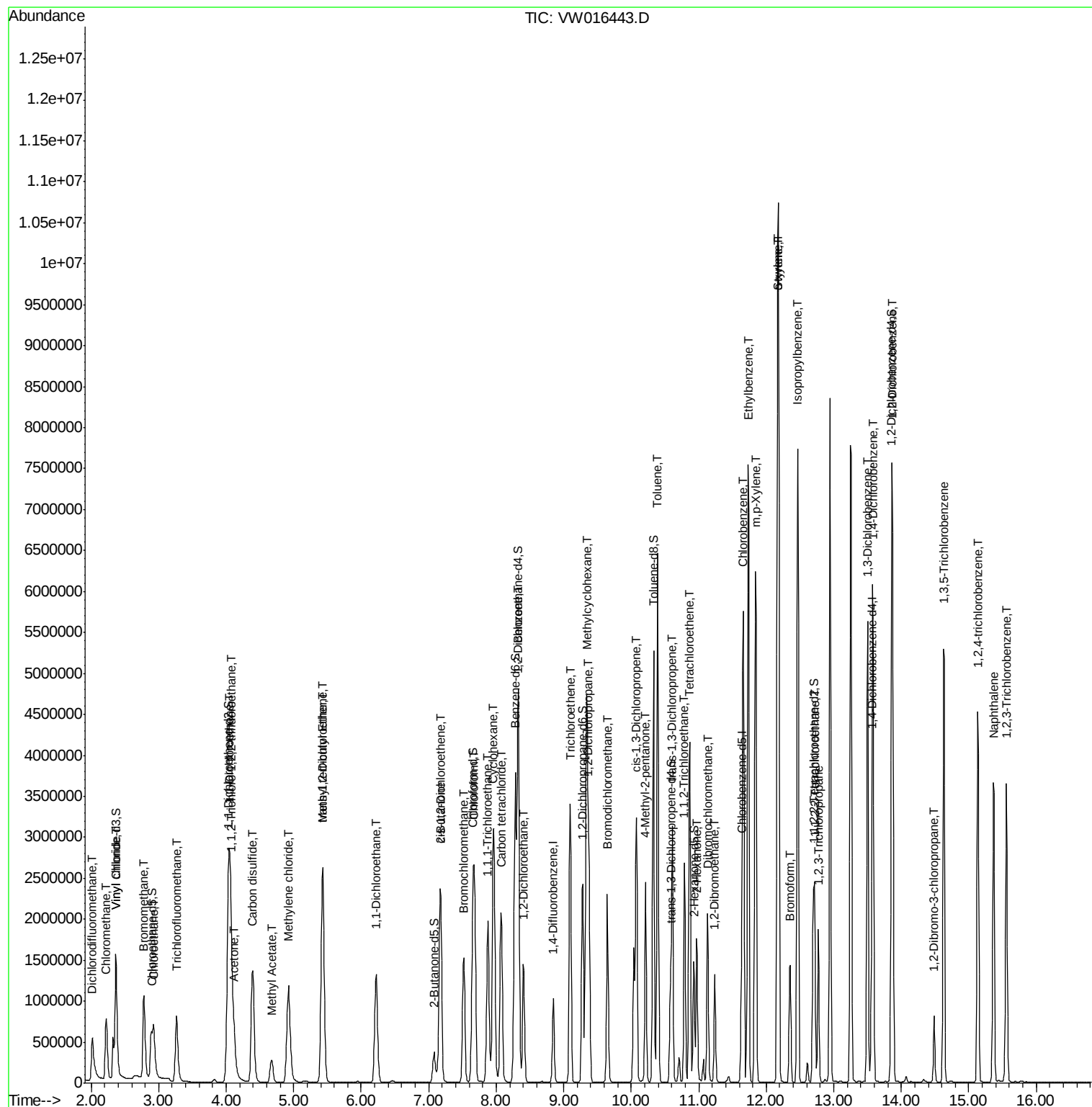
44) Toluene	10.39	91	4602997	91.030	ug/L	95
45) trans-1,3-Dichloropropene	10.61	75	1603302	100.681	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	842684	94.162	ug/L	99
47) Tetrachloroethene	10.87	164	935660	90.764	ug/L	96
49) 2-Hexanone	10.97	43	1078694	243.719	ug/L	99
50) Dibromochloromethane	11.13	129	1093346	97.860	ug/L	98
51) 1,2-Dibromoethane	11.24	107	856838	97.410	ug/L	95
52) Chlorobenzene	11.66	112	2989222	89.301	ug/L	98
53) Ethylbenzene	11.73	91	5231784	90.504	ug/L	98
54) m,p-Xylene	11.84	106	2022351	91.341	ug/L	97
55) o-xylene	12.17	106	1932140	92.552	ug/L	97
56) Styrene	12.18	104	3277915	93.412	ug/L	98
57) Isopropylbenzene	12.46	105	5107456	88.384	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	1006297	96.385	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	754125	97.440	ug/L	99
62) Bromoform	12.35	173	659832	106.840	ug/L #	99
63) 1,3-Dichlorobenzene	13.51	146	2255204	89.919	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	2283006	89.807	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	2015696	89.840	ug/L	91
66) 1,2-Dibromo-3-chloropropan	14.49	75	196789	109.711	ug/L	99
67) 1,3,5-Trichlorobenzene	14.63	180	1654271	95.540	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	1403989	102.659	ug/L	99
69) Naphthalene	15.36	128	3133626	114.972	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	1250201	104.040	ug/L	98

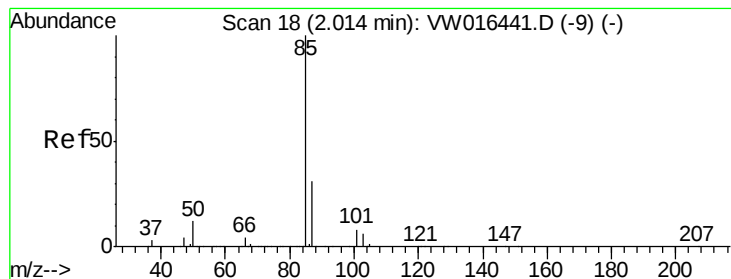
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 100.845 ug/L

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW016443.D

Acq: 03 Sep 2020 13:09

Instrument :

MSVOA_W

ClientSampleId :

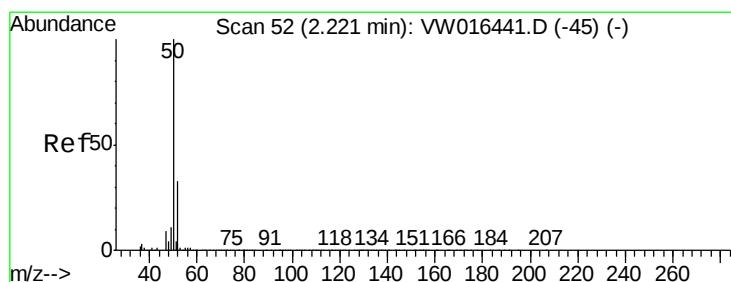
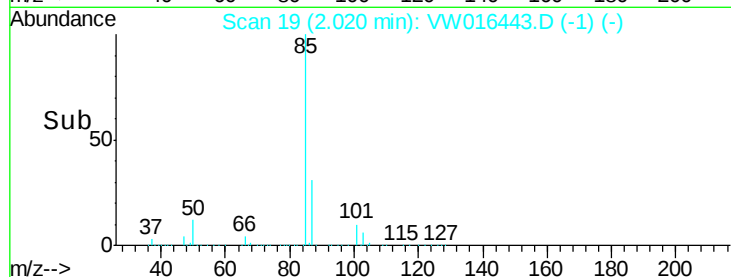
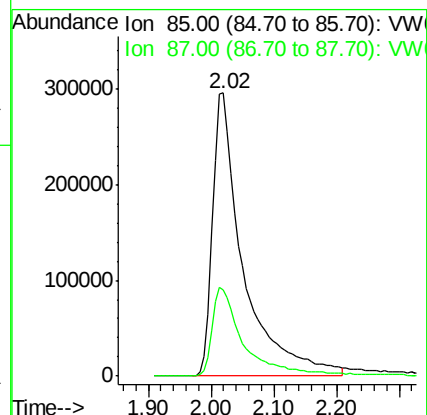
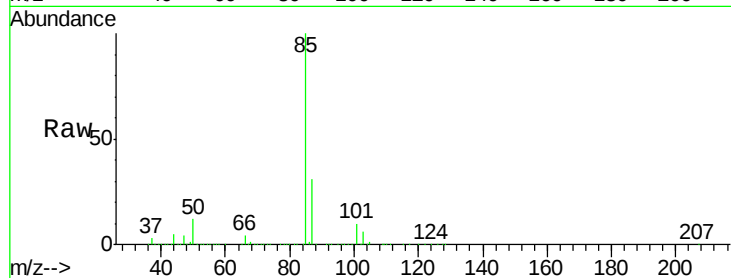
VSTD10001

Tgt Ion: 85 Resp: 997641

Ion Ratio Lower Upper

85 100

87 32.2 22.3 41.5



#3

Chloromethane

Concen: 114.182 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW016443.D

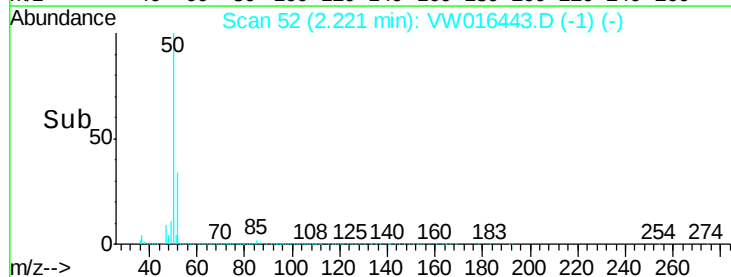
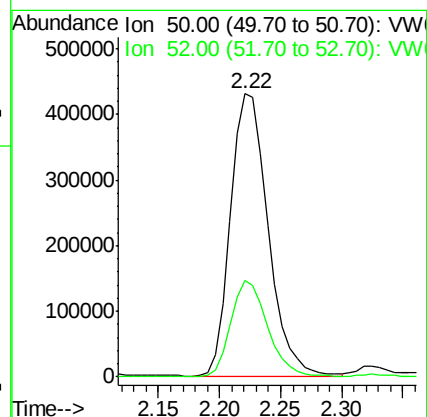
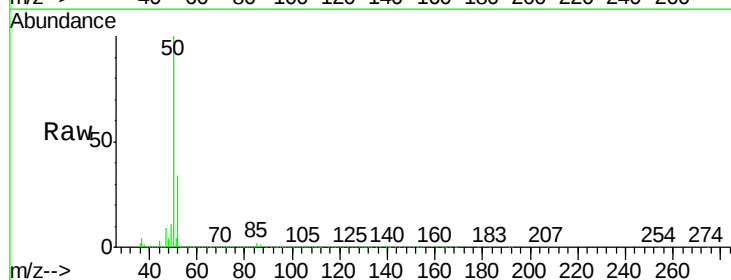
Acq: 03 Sep 2020 13:09

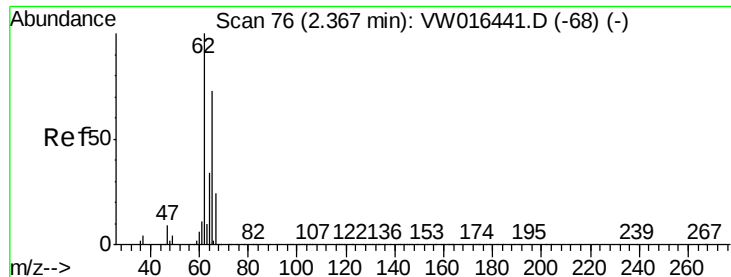
Tgt Ion: 50 Resp: 914273

Ion Ratio Lower Upper

50 100

52 34.0 23.0 42.6





#5

Vinyl chloride

Concen: 103.164 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW016443.D

Acq: 03 Sep 2020 13:09

Instrument :

MSVOA_W

ClientSampleId :

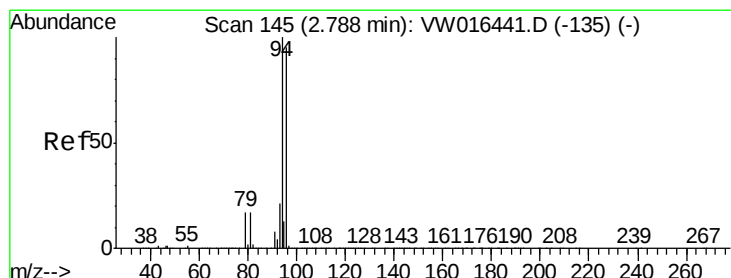
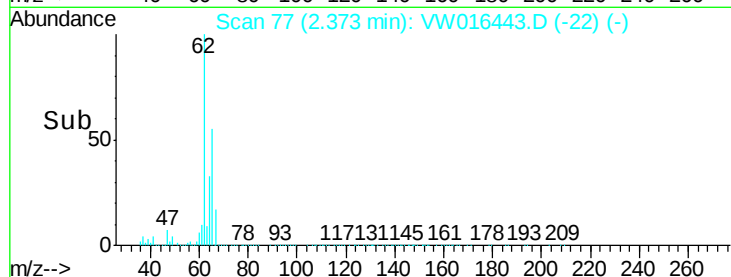
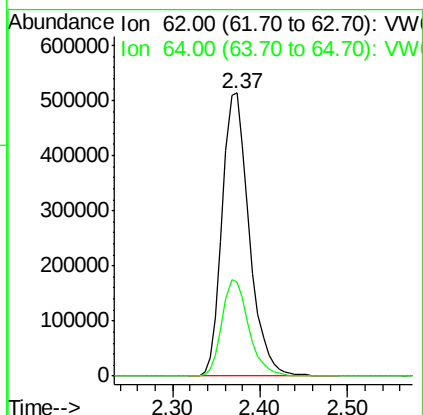
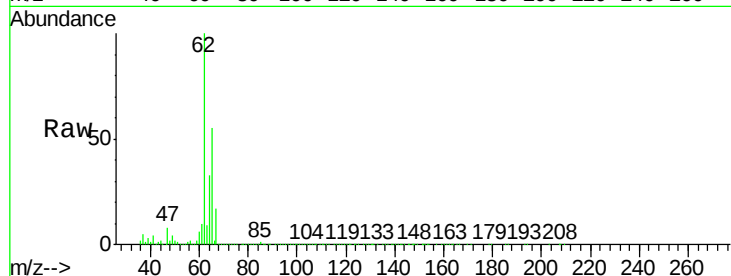
VSTD10001

Tgt Ion: 62 Resp: 1101924

Ion Ratio Lower Upper

62 100

64 33.2 23.9 44.5



#6

Bromomethane

Concen: 118.714 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW016443.D

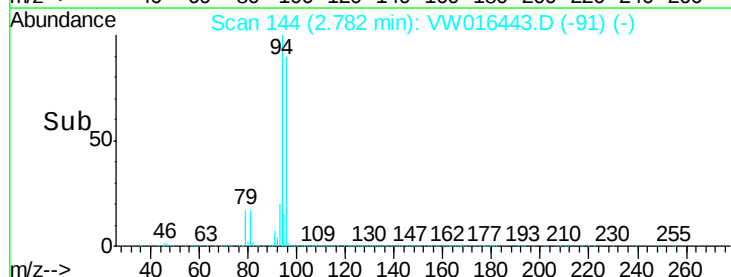
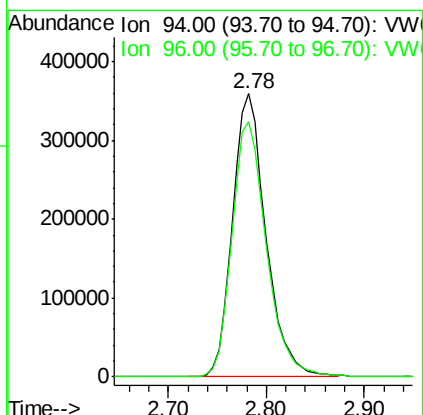
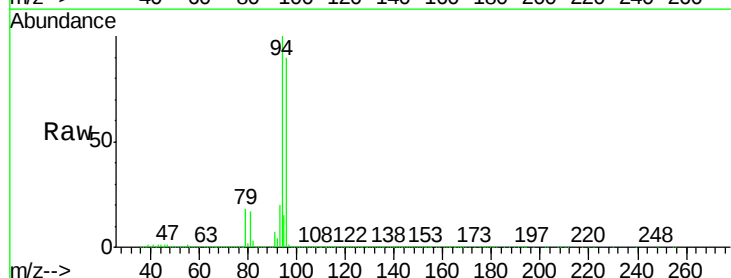
Acq: 03 Sep 2020 13:09

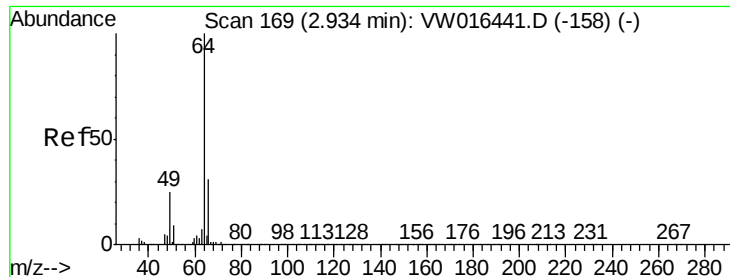
Tgt Ion: 94 Resp: 848228

Ion Ratio Lower Upper

94 100

96 92.5 9.4 178.2





#8

Chloroethane

Concen: 114.471 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW016443.D

Acq: 03 Sep 2020 13:09

Instrument :

MSVOA_W

ClientSampleId :

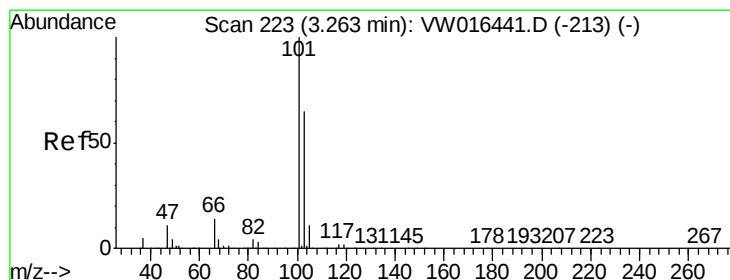
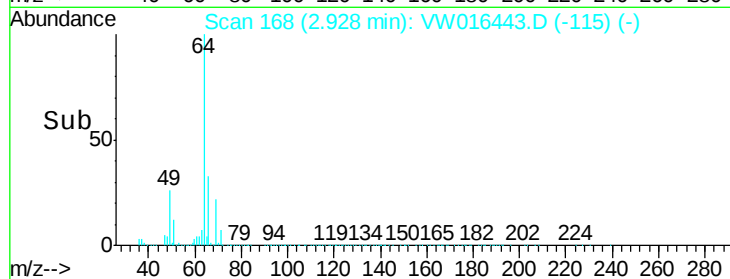
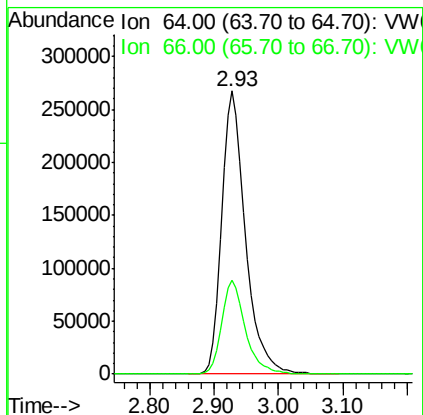
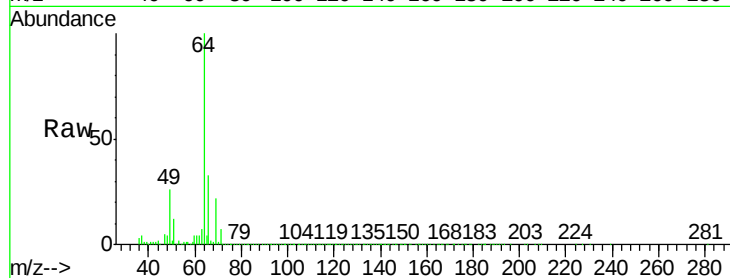
VSTD10001

Tgt Ion: 64 Resp: 694648

Ion Ratio Lower Upper

64 100

66 33.2 22.4 41.6



#9

Trichlorofluoromethane

Concen: 88.867 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW016443.D

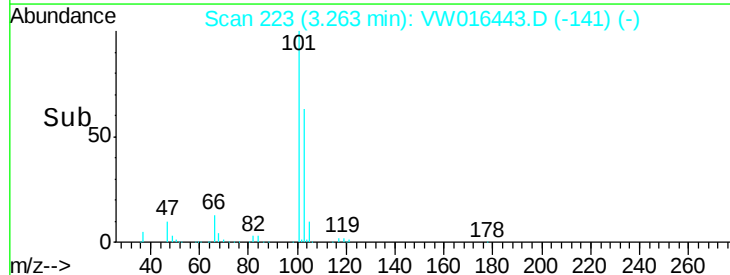
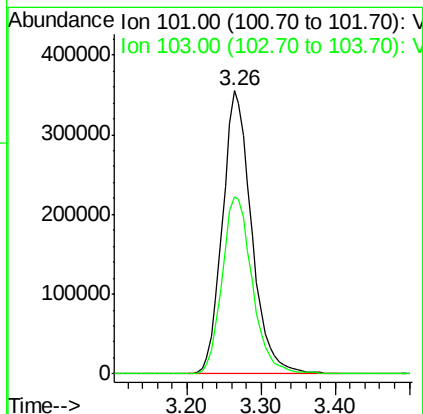
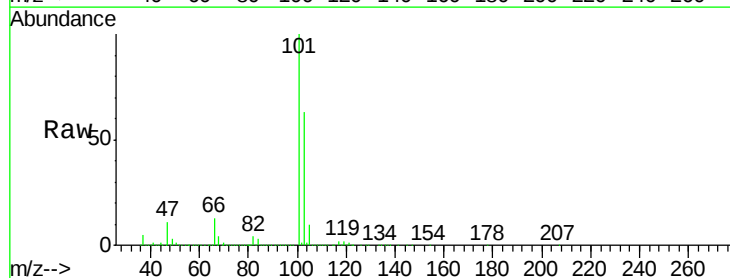
Acq: 03 Sep 2020 13:09

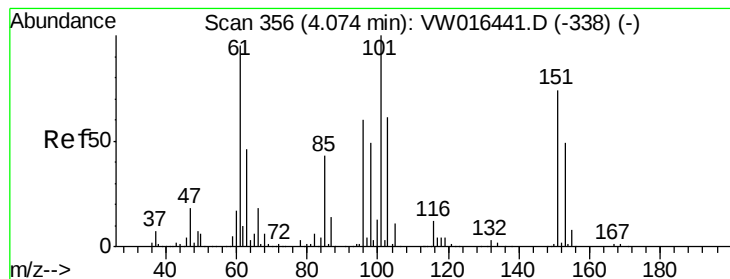
Tgt Ion: 101 Resp: 968740

Ion Ratio Lower Upper

101 100

103 64.8 45.1 83.7





#11

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

Concen: 87.132 ug/L

RT: 4.07 min Scan# 356

Delta R.T. -0.00 min

Lab File: VW016443.D

Acq: 03 Sep 2020 13:09

Instrument :

MSVOA_W

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VSTD10001

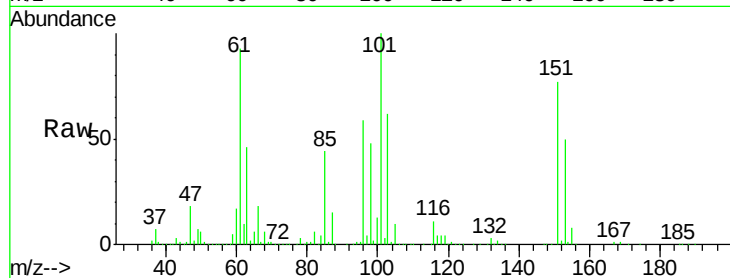
Tgt Ion:101 Resp: 1049868

Ion Ratio Lower Upper

101 100

85 43.7 33.4 50.0

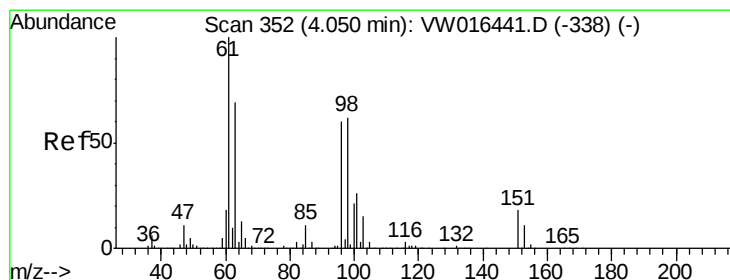
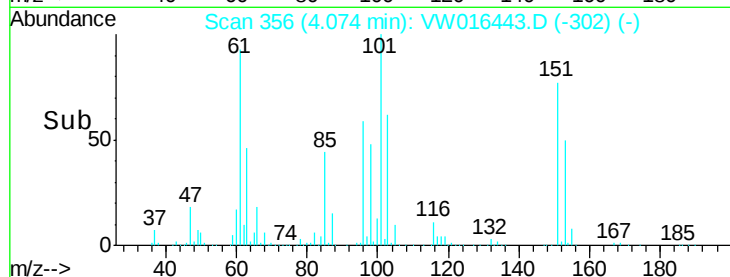
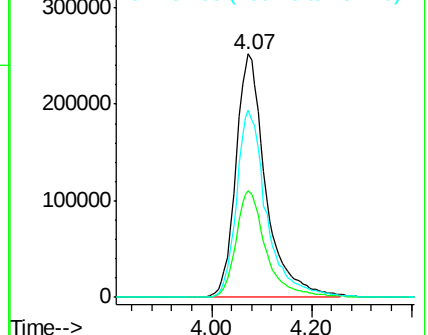
151 77.2 61.6 92.4



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: 89.537 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW016443.D

Acq: 03 Sep 2020 13:09

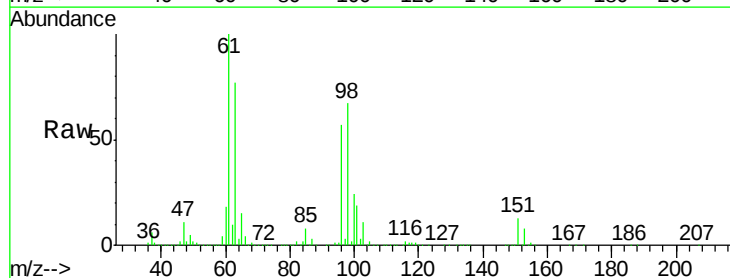
Tgt Ion: 96 Resp: 1051193

Ion Ratio Lower Upper

96 100

61 173.9 116.5 216.3

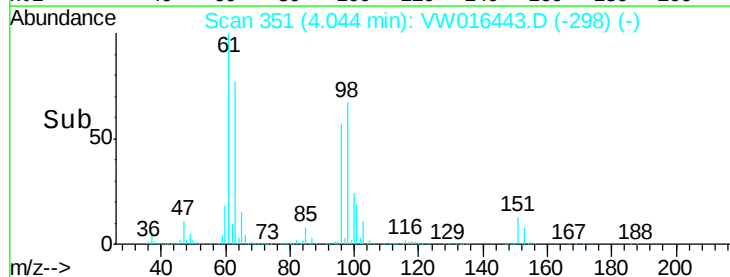
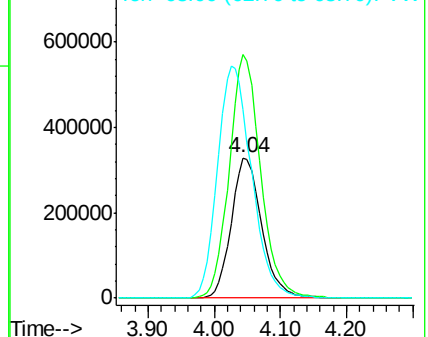
63 134.6 81.1 150.5

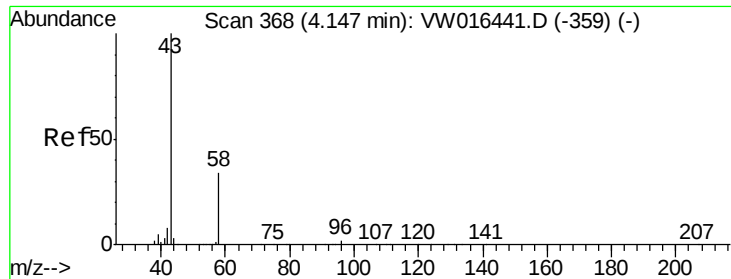


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

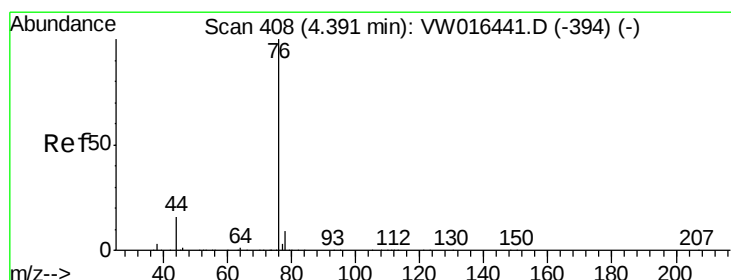
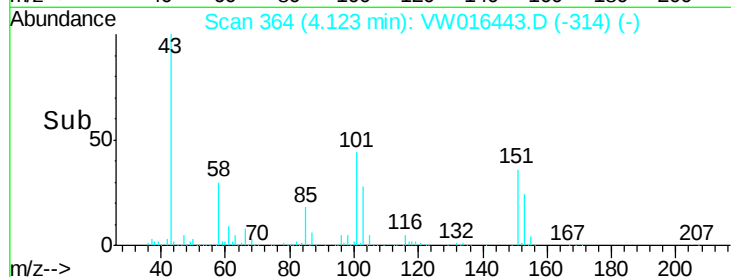
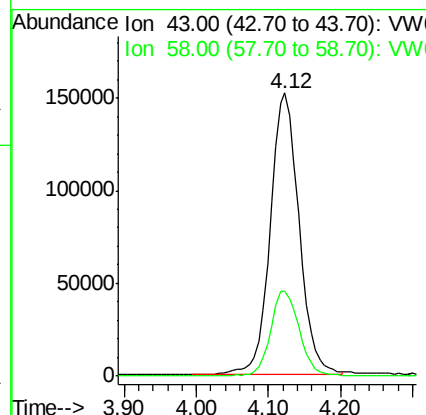
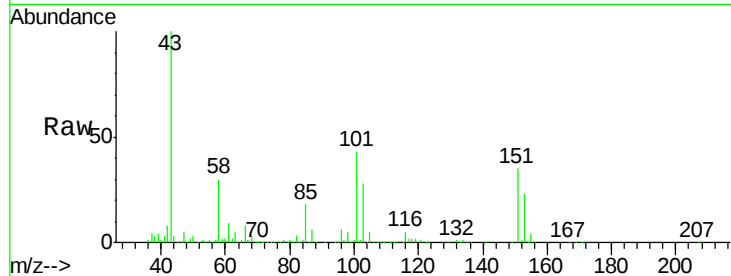




#13
Acetone
Concen: 194.822 ug/L
RT: 4.12 min Scan# 364
Delta R.T. -0.02 min
Lab File: VW016443.D
Acq: 03 Sep 2020 13:09

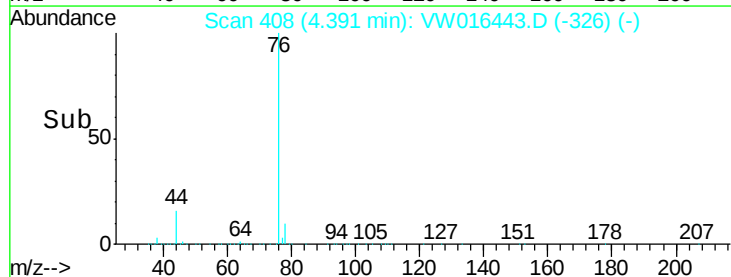
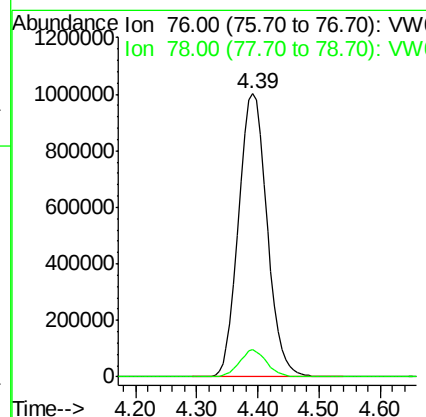
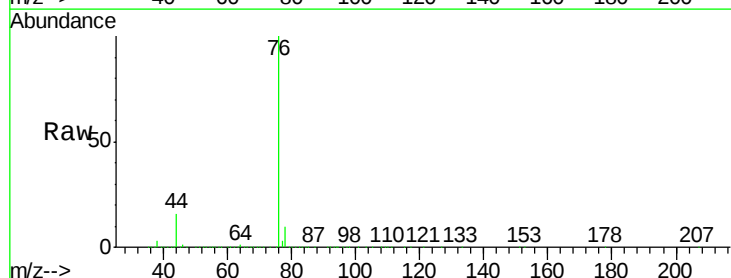
Instrument :
MSVOA_W
ClientSampleId :
VSTD10001

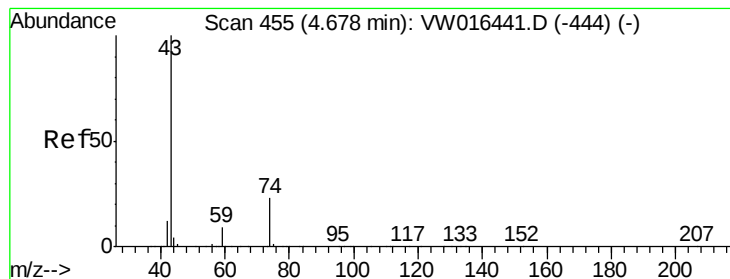
Tgt Ion: 43 Resp: 423197
Ion Ratio Lower Upper
43 100
58 29.7 0.0 63.0



#14
Carbon disulfide
Concen: 91.924 ug/L
RT: 4.39 min Scan# 408
Delta R.T. -0.00 min
Lab File: VW016443.D
Acq: 03 Sep 2020 13:09

Tgt Ion: 76 Resp: 3227047
Ion Ratio Lower Upper
76 100
78 9.6 7.3 10.9





#15

Methyl Acetate

Concen: 115.535 ug/L

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW016443.D

Acq: 03 Sep 2020 13:09

Instrument :

MSVOA_W

ClientSampled :

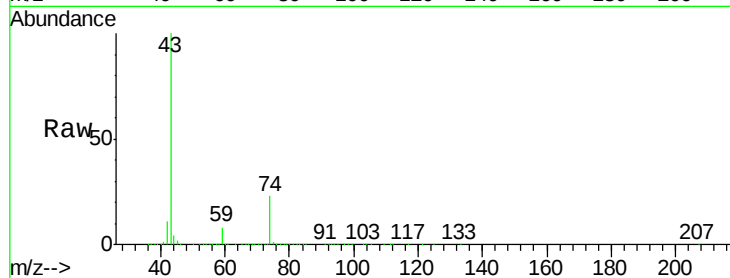
VSTD10001

Tgt Ion: 43 Resp: 529107

Ion Ratio Lower Upper

43 100

74 23.8 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

200000

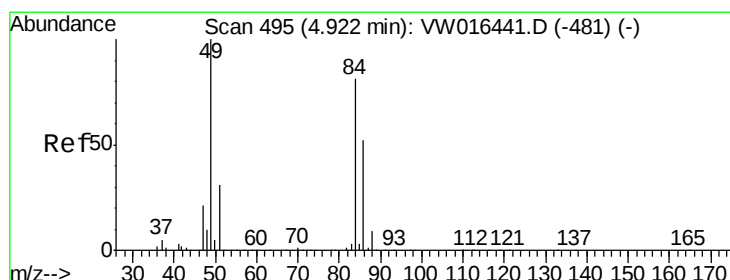
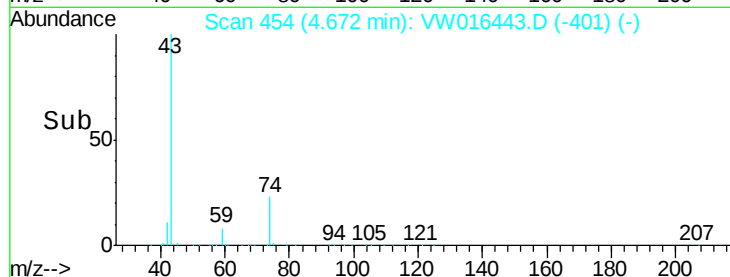
150000

100000

50000

0

Time-->



#16

Methylene chloride

Concen: 64.385 ug/L

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW016443.D

Acq: 03 Sep 2020 13:09

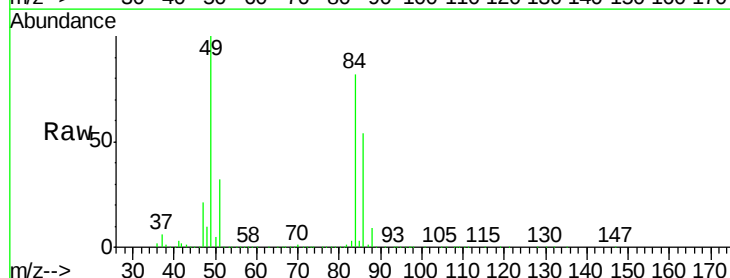
Tgt Ion: 84 Resp: 1038948

Ion Ratio Lower Upper

84 100

49 121.6 86.7 160.9

86 66.1 44.9 83.5



Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

4.92

400000

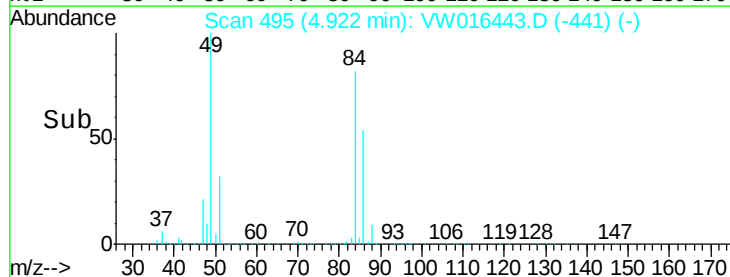
300000

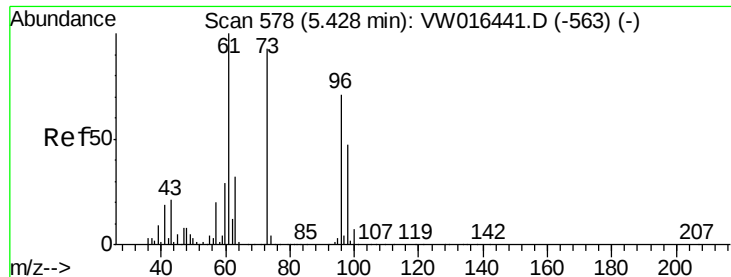
200000

100000

0

Time-->

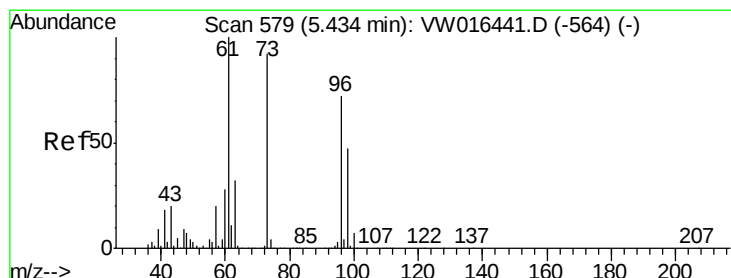
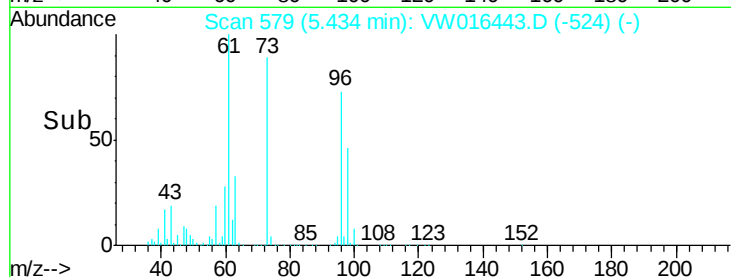
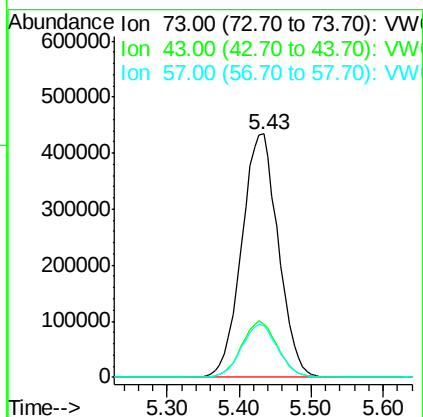
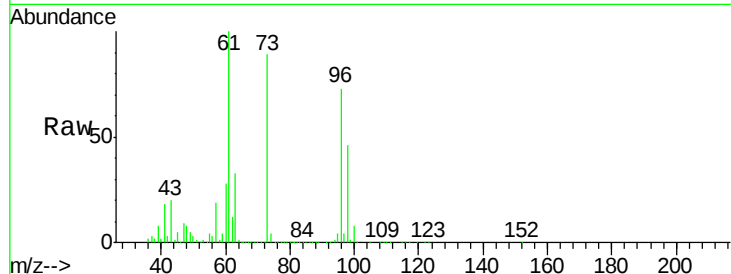




#17
Methyl tert-butyl Ether
Concen: 89.345 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW016443.D
Acq: 03 Sep 2020 13:09

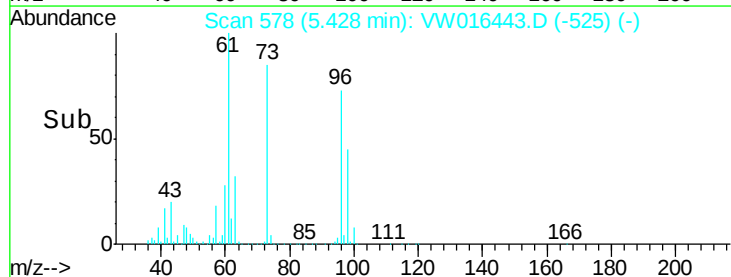
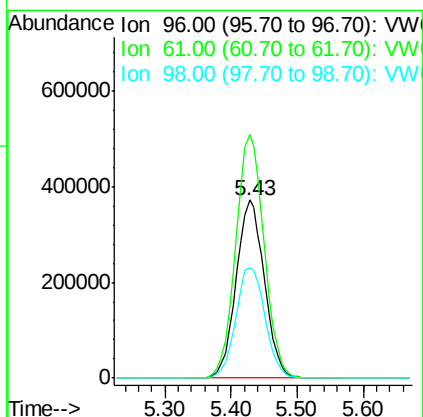
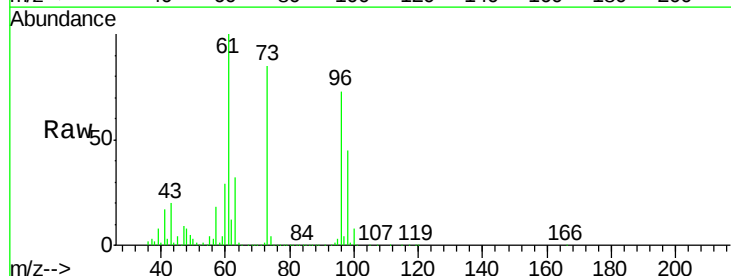
Instrument :
MSVOA_W
ClientSampled :
VSTD10001

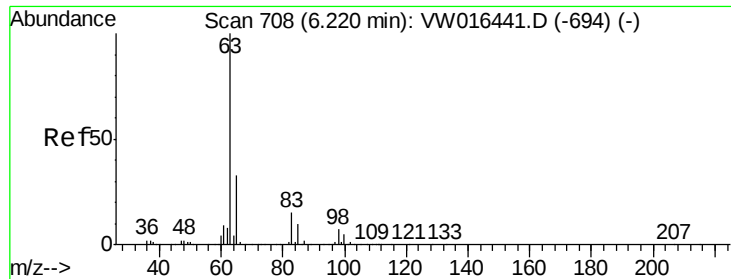
Tgt Ion: 73 Resp: 1528376
Ion Ratio Lower Upper
73 100
43 22.2 17.9 26.9
57 21.4 17.4 26.0



#18
trans-1,2-Dichloroethene
Concen: 89.145 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW016443.D
Acq: 03 Sep 2020 13:09

Tgt Ion: 96 Resp: 1099733
Ion Ratio Lower Upper
96 100
61 136.8 96.4 179.0
98 62.2 45.1 83.7



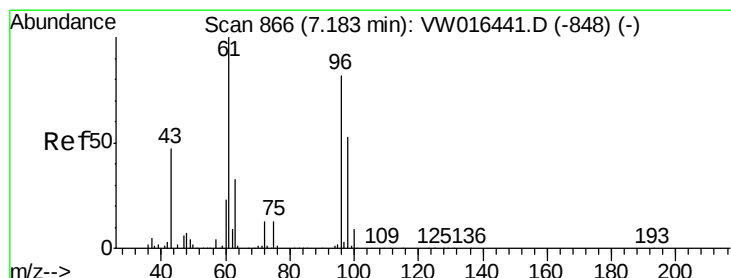
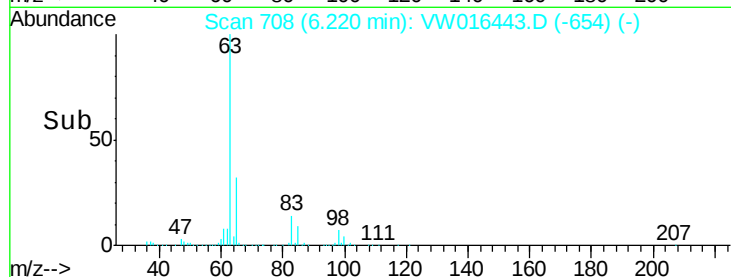
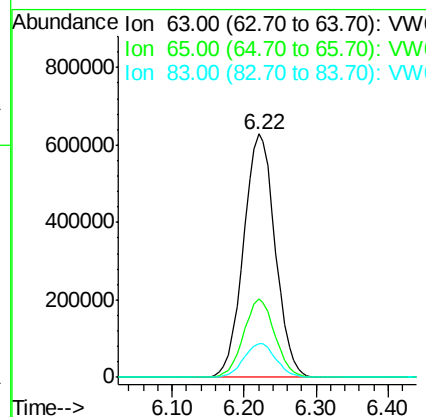
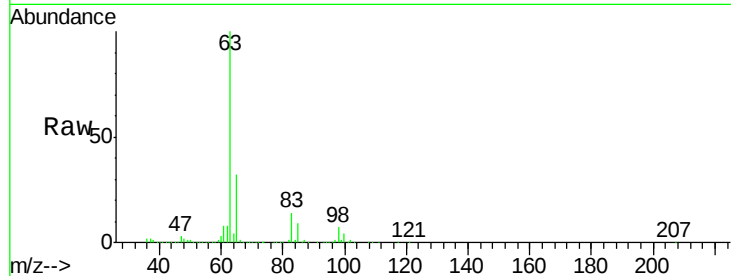


#19
 1,1-Dichloroethane
 Concen: 93.757 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: VW016443.D
 Acq: 03 Sep 2020 13:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10001

Tgt Ion: 63 Resp: 1912180

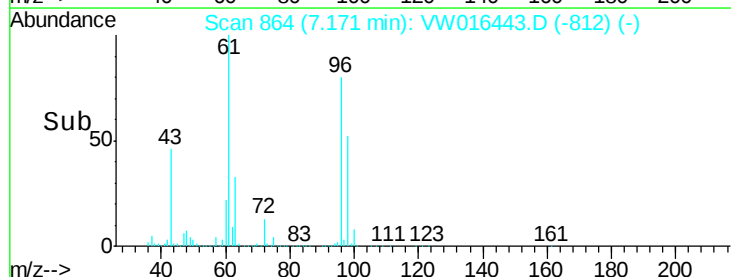
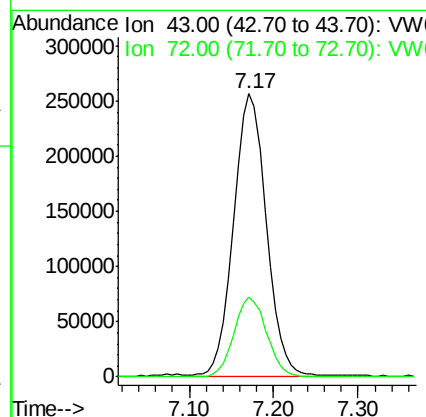
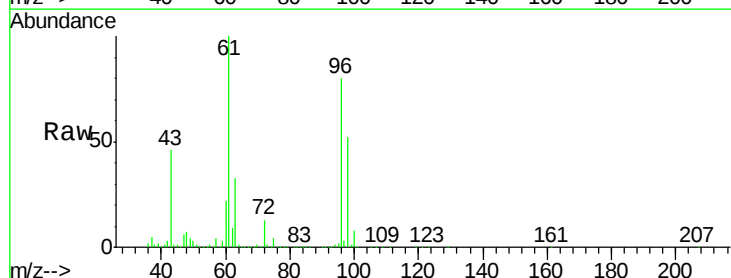
Ion	Ratio	Lower	Upper
63	100		
65	32.3	23.3	43.3
83	13.9	10.3	19.1

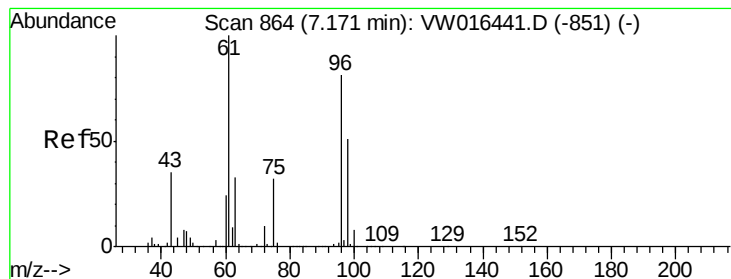


#21
 2-Butanone
 Concen: 208.760 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: VW016443.D
 Acq: 03 Sep 2020 13:09

Tgt Ion: 43 Resp: 675454

Ion	Ratio	Lower	Upper
43	100		
72	27.9	13.5	40.4



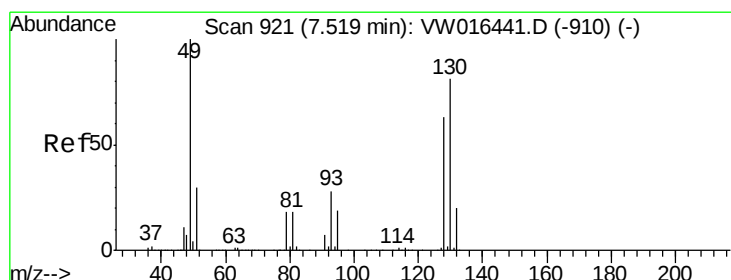
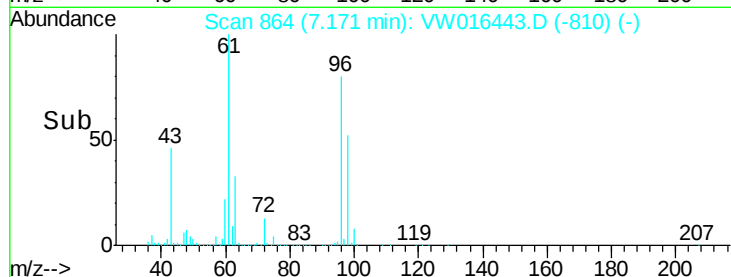
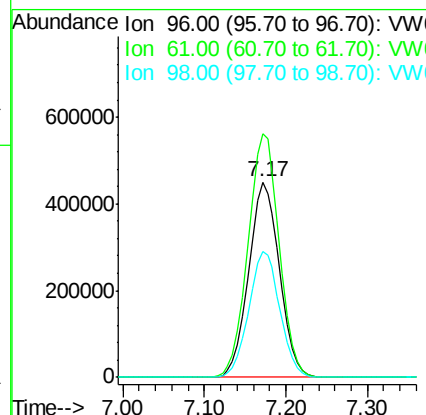
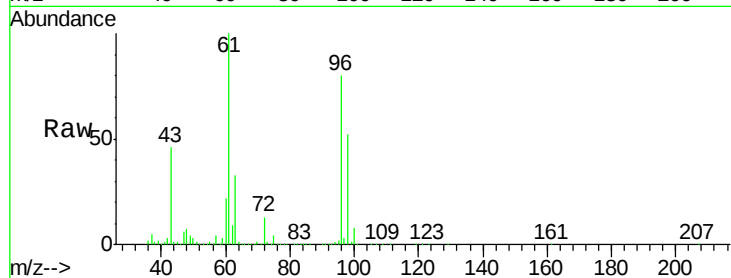


#22

cis-1,2-Dichloroethene
 Concen: 90.972 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW016443.D
 Acq: 03 Sep 2020 13:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10001

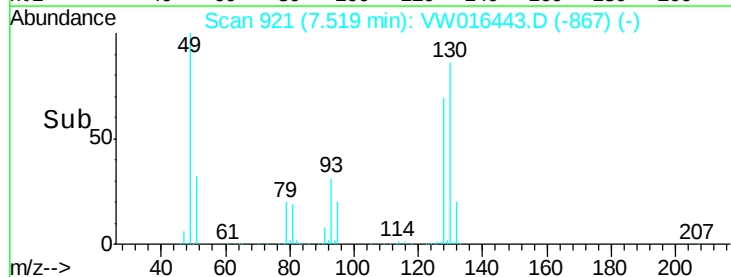
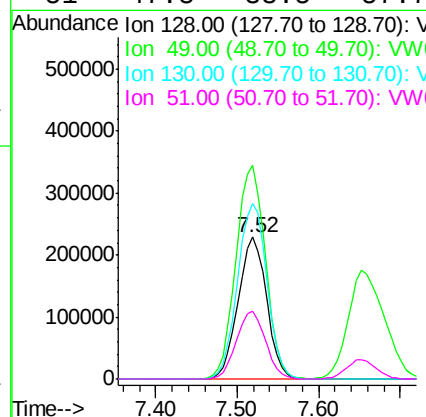
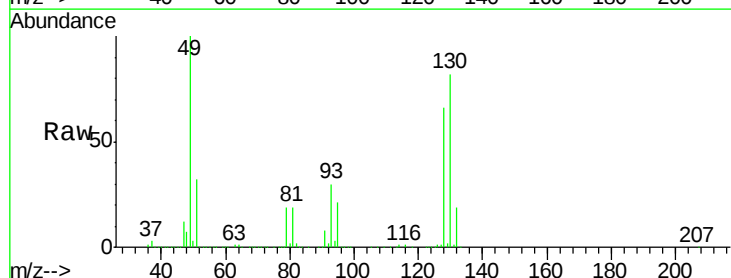
Tgt Ion: 96 Resp: 1177755
 Ion Ratio Lower Upper
 96 100
 61 124.6 86.1 159.9
 98 64.5 44.1 81.9

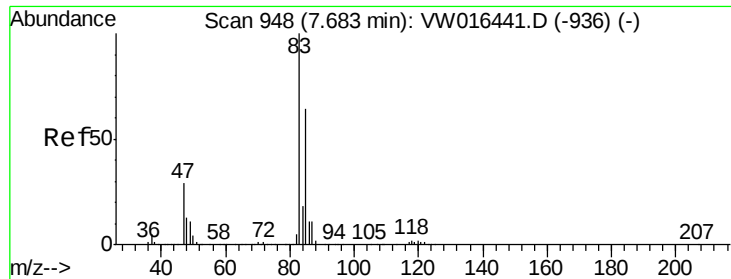


#23

Bromochloromethane
 Concen: 93.475 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VW016443.D
 Acq: 03 Sep 2020 13:09

Tgt Ion: 128 Resp: 552941
 Ion Ratio Lower Upper
 128 100
 49 150.6 111.6 207.4
 130 123.8 90.9 168.7
 51 47.8 38.5 57.7

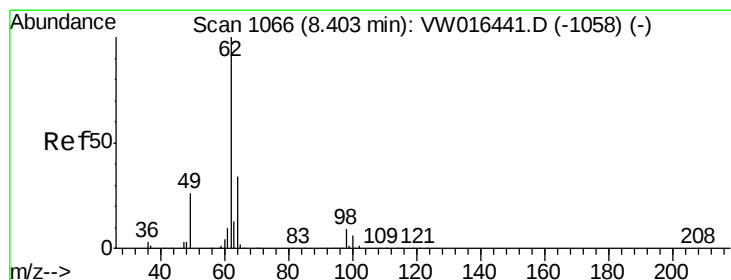
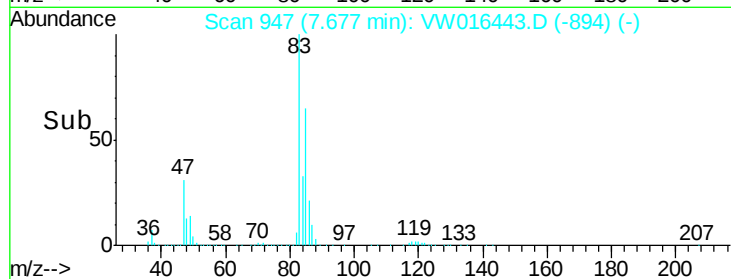
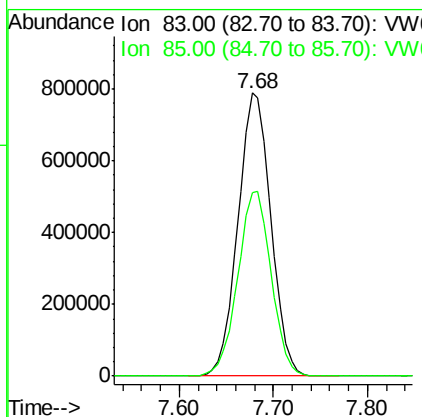
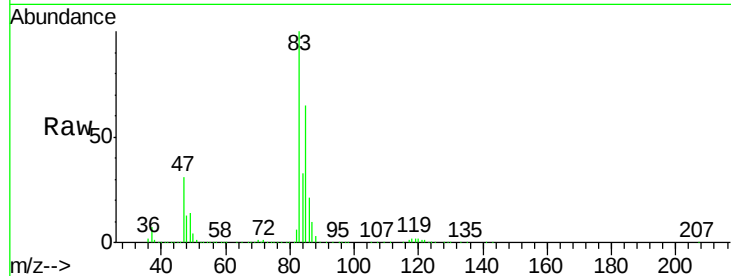




#25
Chloroform
Concen: 88.630 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.01 min
Lab File: VW016443.D
Acq: 03 Sep 2020 13:09

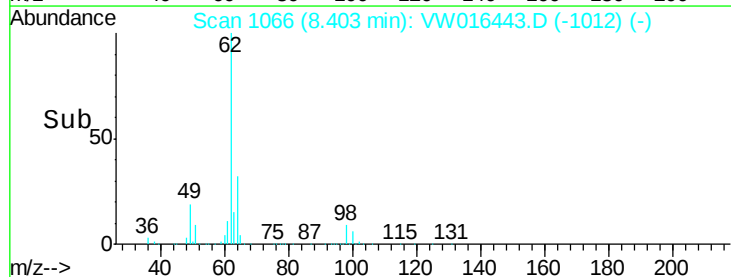
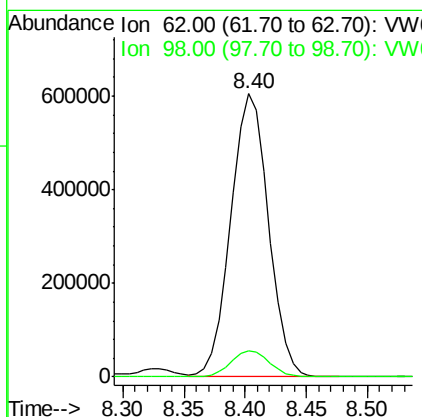
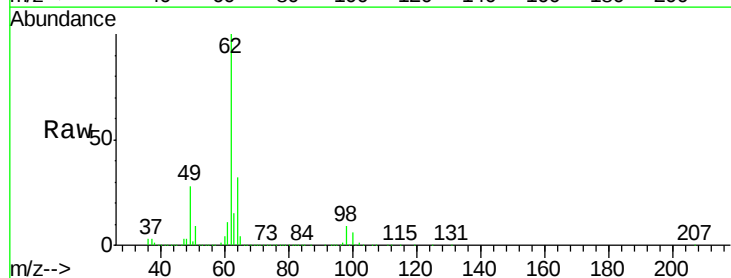
Instrument :
MSVOA_W
ClientSampleId :
VSTD10001

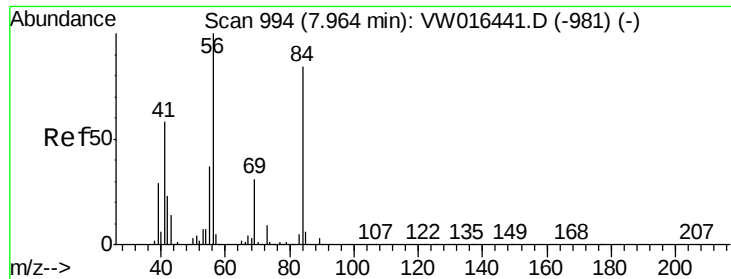
Tgt Ion: 83 Resp: 1926130
Ion Ratio Lower Upper
83 100
85 66.2 45.6 84.8



#27
1,2-Dichloroethane
Concen: 93.502 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW016443.D
Acq: 03 Sep 2020 13:09

Tgt Ion: 62 Resp: 1288835
Ion Ratio Lower Upper
62 100
98 9.4 7.3 10.9

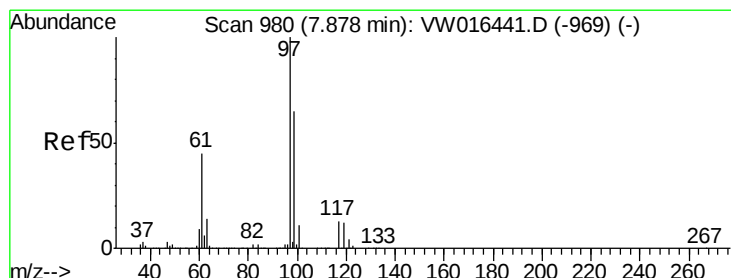
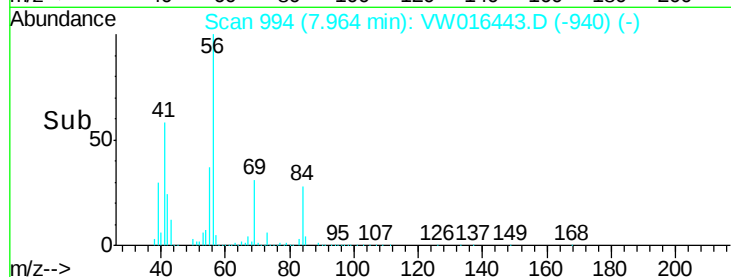
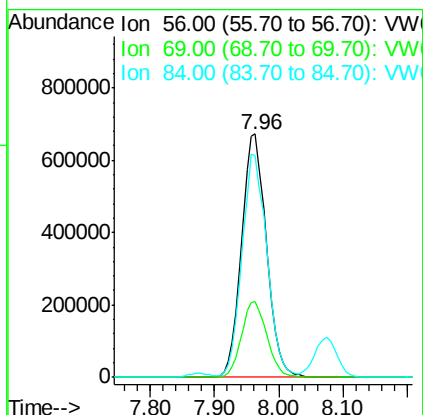
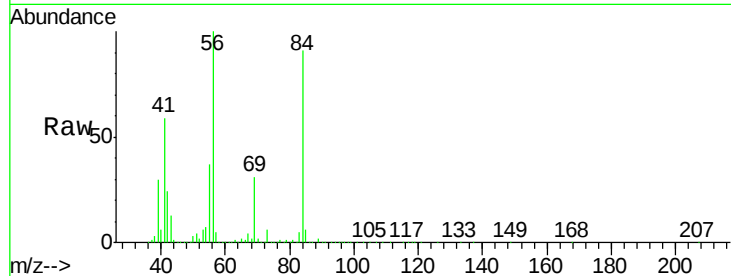




#30
Cyclohexane
Concen: 99.677 ug/L
RT: 7.96 min Scan# 994
Delta R.T. -0.00 min
Lab File: VW016443.D
Acq: 03 Sep 2020 13:09

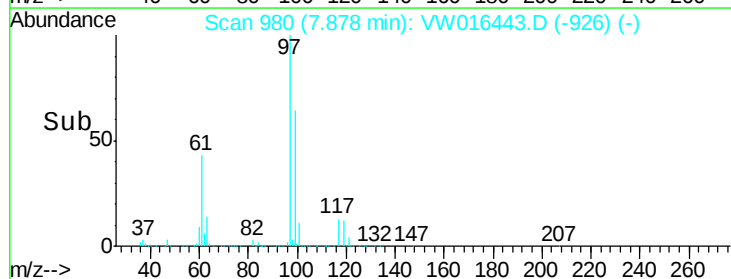
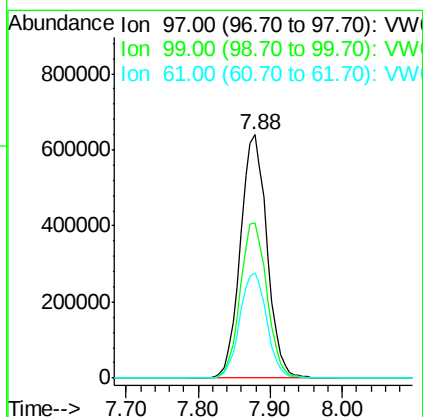
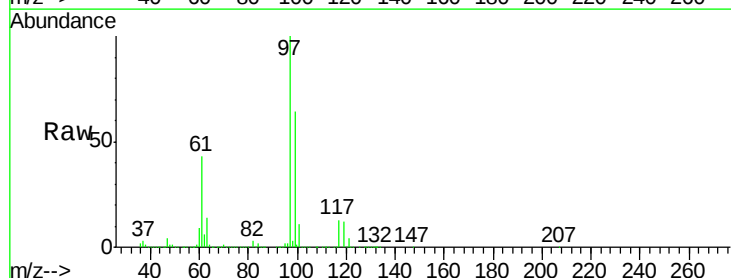
Instrument :
MSVOA_W
ClientSampleId :
VSTD10001

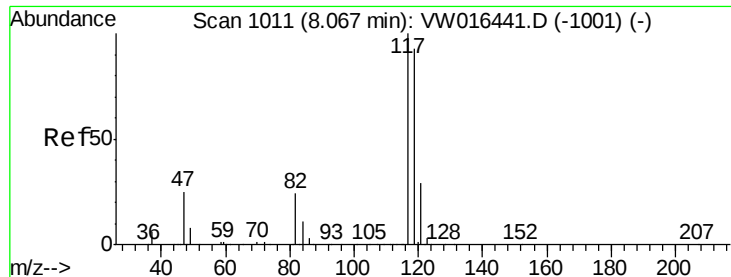
Tgt Ion: 56 Resp: 1786959
Ion Ratio Lower Upper
56 100
69 31.5 25.3 37.9
84 91.9 71.6 107.4



#31
1,1,1-Trichloroethane
Concen: 85.437 ug/L
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW016443.D
Acq: 03 Sep 2020 13:09

Tgt Ion: 97 Resp: 1636627
Ion Ratio Lower Upper
97 100
99 64.5 52.2 78.2
61 44.1 36.3 54.5





#32

Carbon tetrachloride

Concen: 86.354 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW016443.D

Acq: 03 Sep 2020 13:09

Instrument :

MSVOA_W

ClientSampleId :

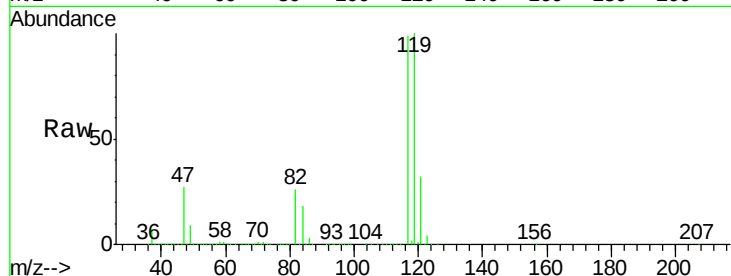
VSTD10001

Tgt Ion:117 Resp: 1579504

Ion Ratio Lower Upper

117 100

119 96.4 77.8 116.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

600000

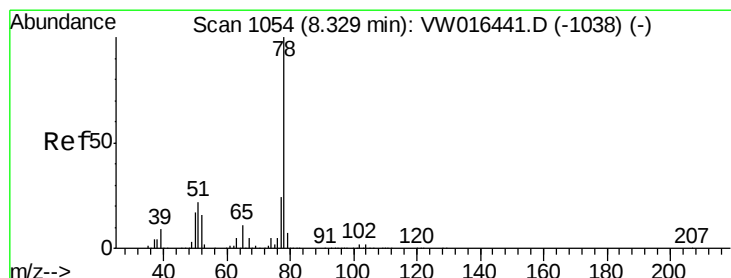
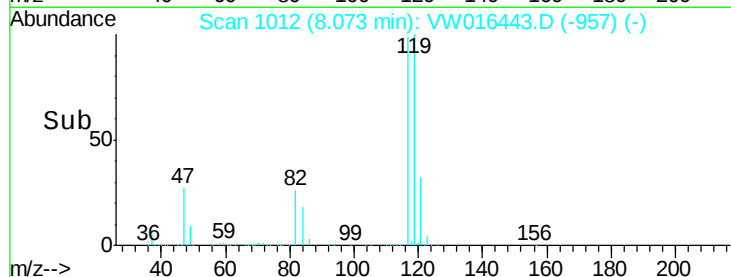
400000

200000

0

Time-->

7.90 8.00 8.10 8.20



#34

Benzene

Concen: 88.628 ug/L

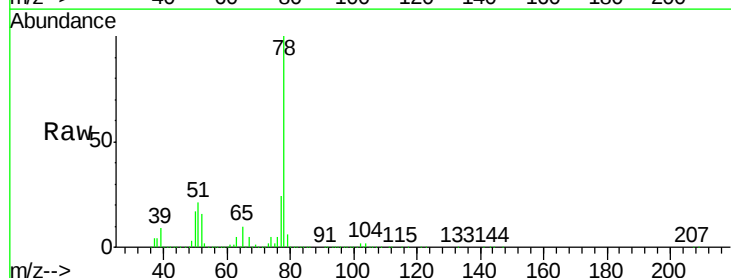
RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VW016443.D

Acq: 03 Sep 2020 13:09

Tgt Ion: 78 Resp: 4099340



Abundance Ion 78.00 (77.70 to 78.70): VW

8.33

2000000

1500000

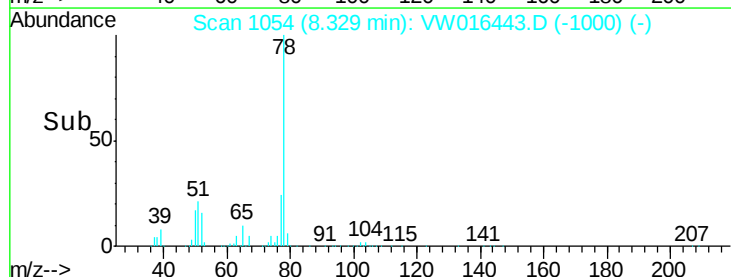
1000000

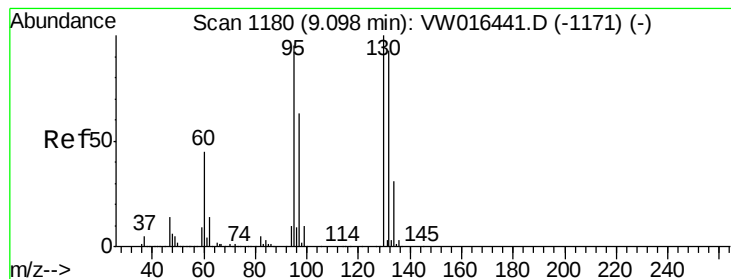
500000

0

Time-->

8.20 8.30 8.40 8.50





#35

Trichloroethene

Concen: 89.906 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VW016443.D

Acq: 03 Sep 2020 13:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD10001

Tgt Ion: 95 Resp: 1175250

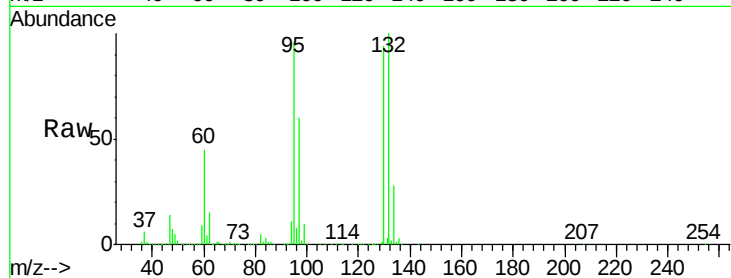
Ion Ratio Lower Upper

95 100

97 63.9 44.9 83.5

132 100.1 69.2 128.4

130 102.1 72.0 133.6

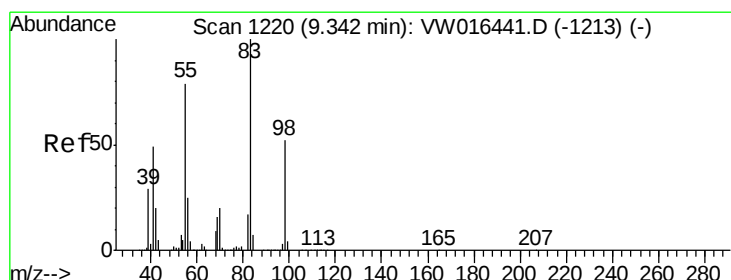
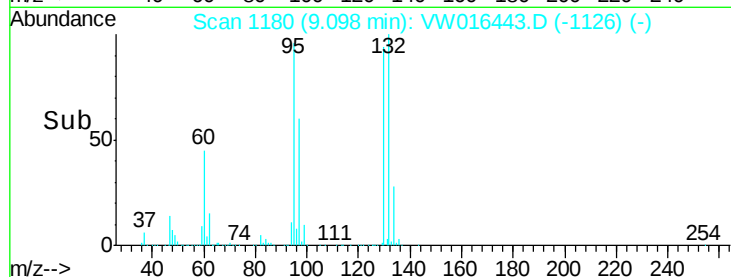
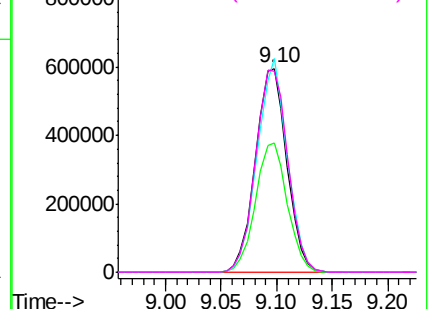


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 93.365 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. -0.00 min

Lab File: VW016443.D

Acq: 03 Sep 2020 13:09

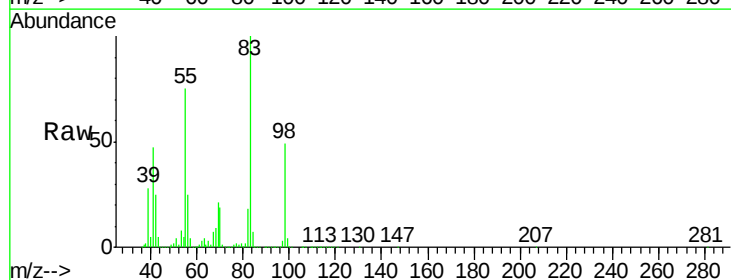
Tgt Ion: 83 Resp: 2010680

Ion Ratio Lower Upper

83 100

55 75.1 60.9 91.3

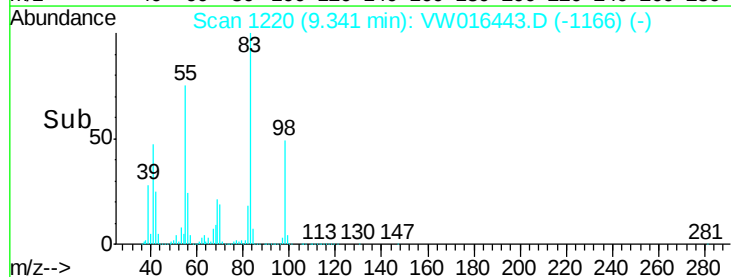
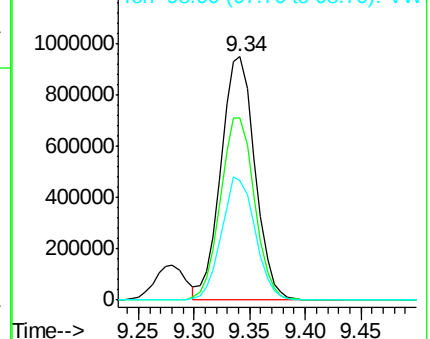
98 50.2 40.0 60.0

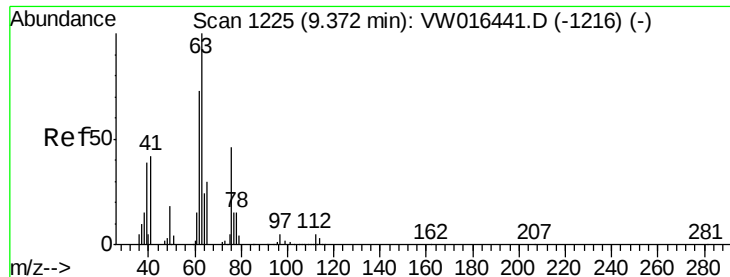


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 93.330 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW016443.D

Acq: 03 Sep 2020 13:09

Instrument :

MSVOA_W

ClientSampleId :

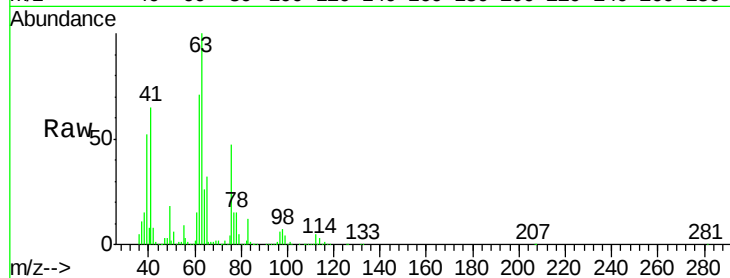
VSTD10001

Tgt Ion: 63 Resp: 1024514

Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.8



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V

600000

500000

400000

300000

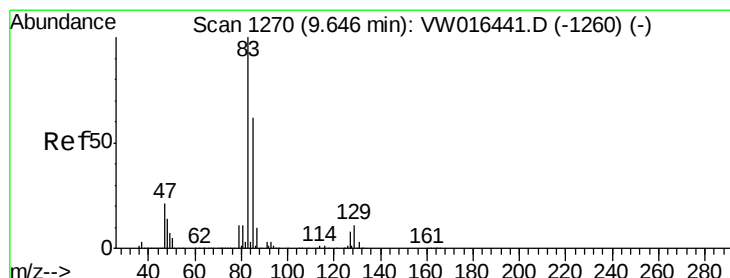
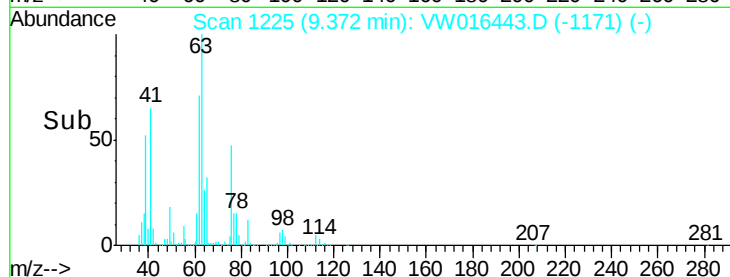
200000

100000

0

9.30 9.35 9.40 9.45

Time-->



#41

Bromodichloromethane

Concen: 96.202 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW016443.D

Acq: 03 Sep 2020 13:09

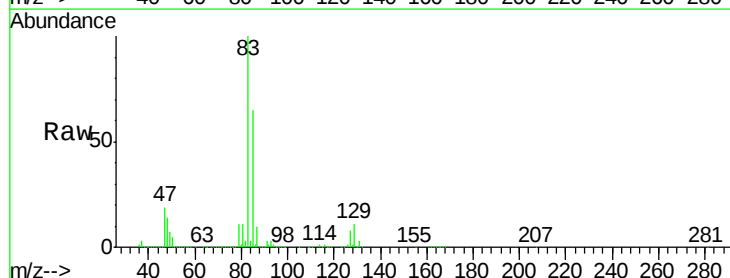
Tgt Ion: 83 Resp: 1483233

Ion Ratio Lower Upper

83 100

85 65.0 43.5 80.7

127 8.5 6.7 10.1



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

1000000

800000

600000

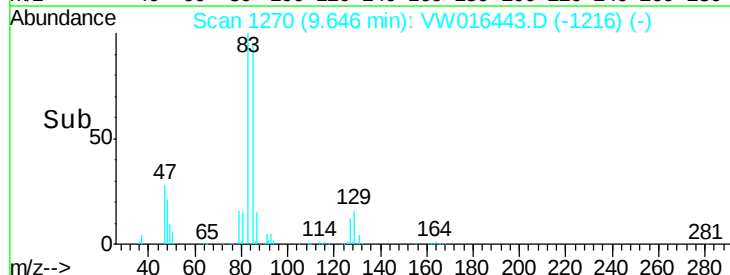
400000

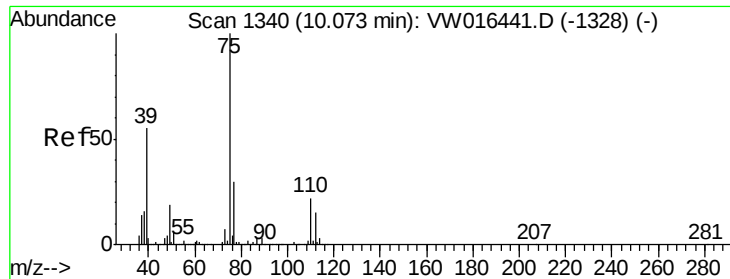
200000

0

9.60 9.70

Time-->





#42

cis-1,3-Dichloropropene

Concen: 99.176 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW016443.D

Acq: 03 Sep 2020 13:09

Instrument :

MSVOA_W

ClientSampleId :

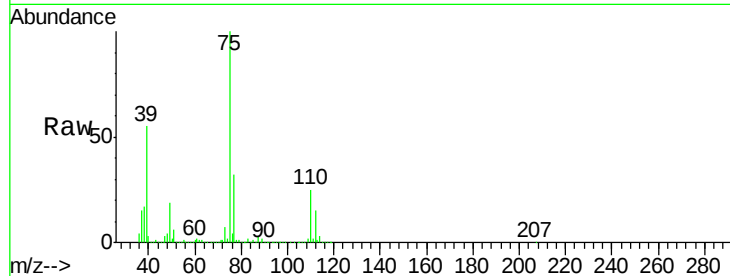
VSTD10001

Tgt Ion: 75 Resp: 1780955

Ion Ratio Lower Upper

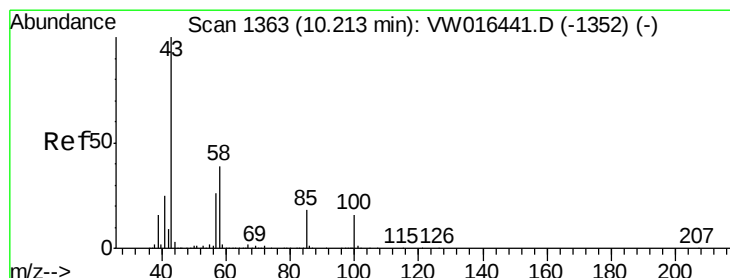
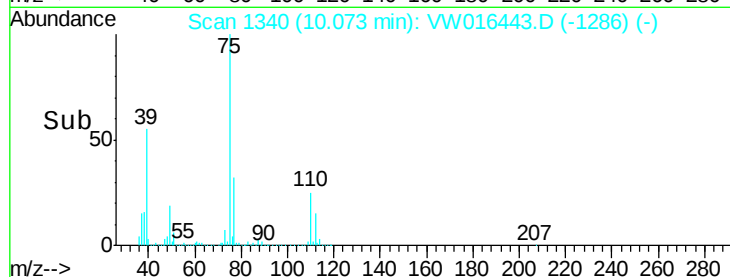
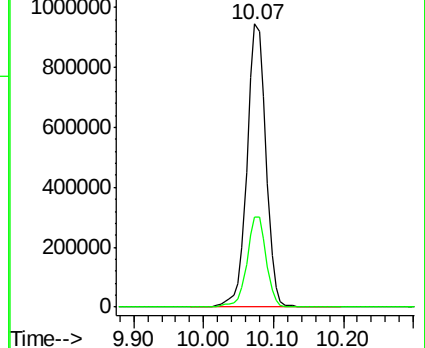
75 100

77 31.8 20.9 38.7



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#43

4-Methyl-2-pentanone

Concen: 227.675 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW016443.D

Acq: 03 Sep 2020 13:09

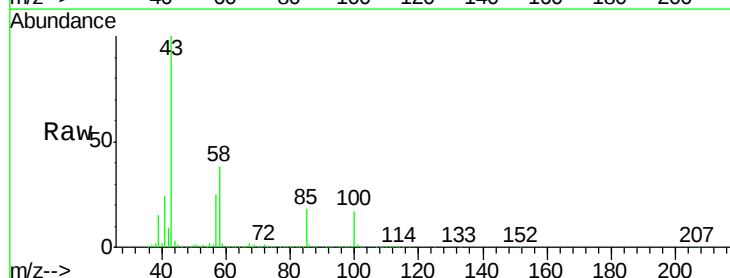
Tgt Ion: 43 Resp: 1542110

Ion Ratio Lower Upper

43 100

58 38.5 30.6 45.8

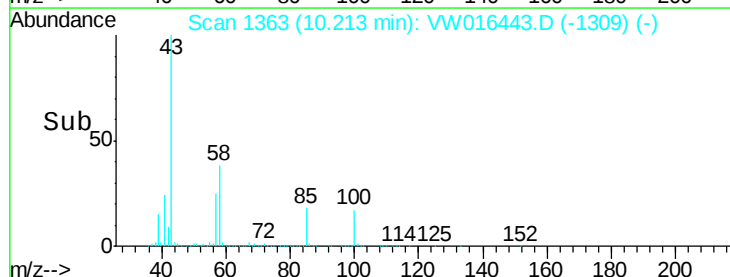
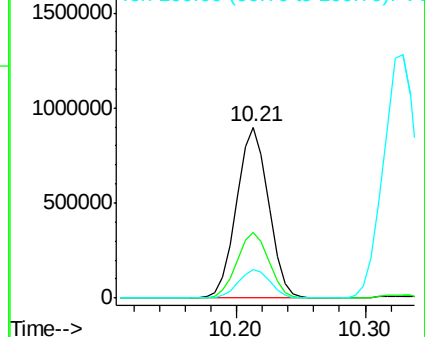
100 16.7 13.0 19.6

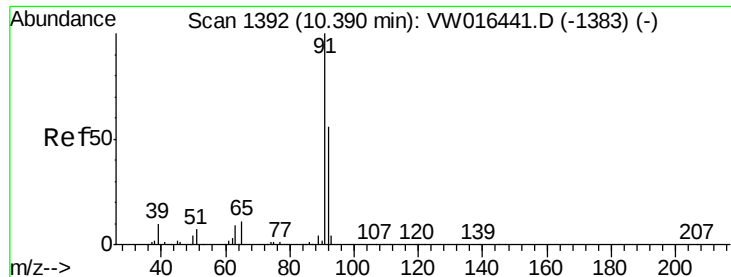


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





#44

Toluene

Concen: 91.030 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016443.D

Acq: 03 Sep 2020 13:09

Instrument :

MSVOA_W

ClientSampleId :

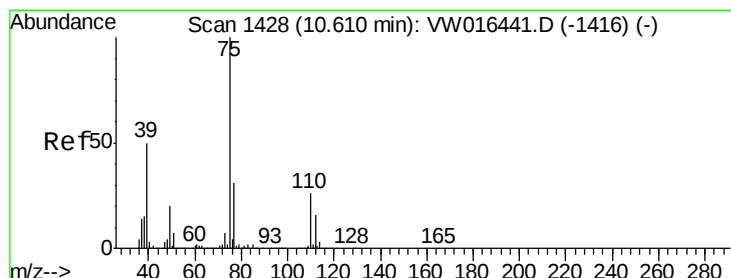
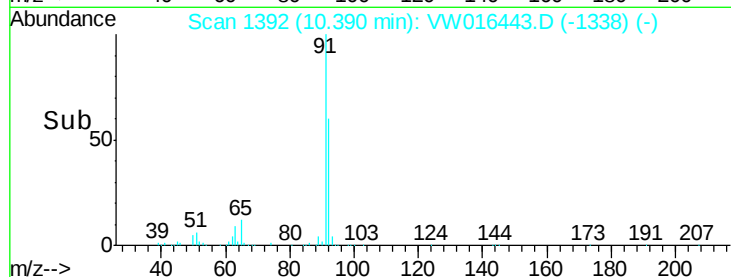
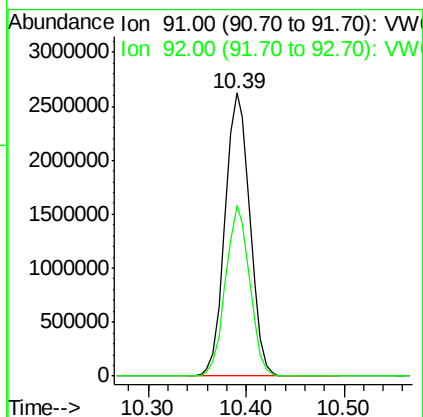
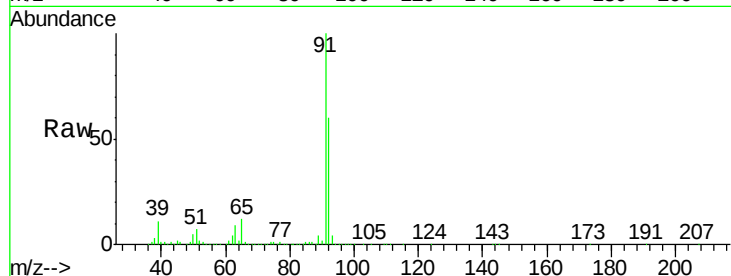
VSTD10001

Tgt Ion: 91 Resp: 4602997

Ion Ratio Lower Upper

91 100

92 60.4 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 100.681 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016443.D

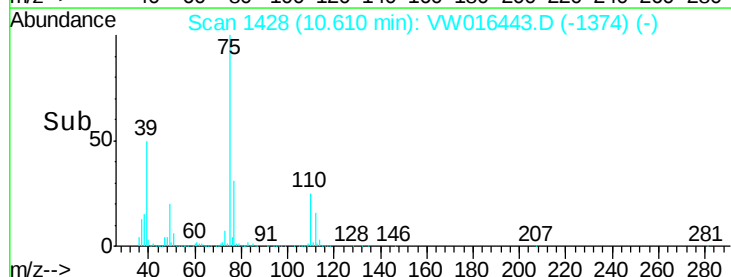
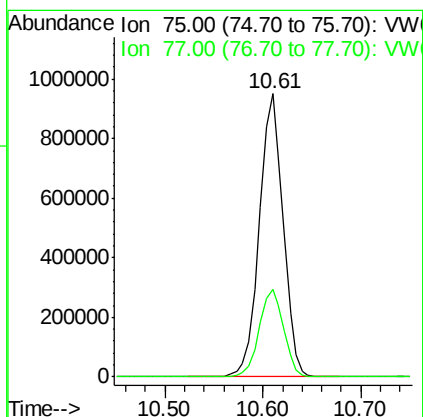
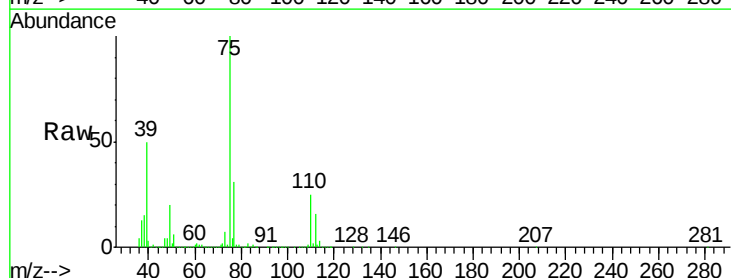
Acq: 03 Sep 2020 13:09

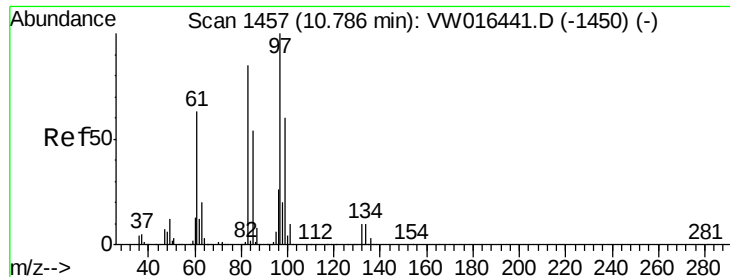
Tgt Ion: 75 Resp: 1603302

Ion Ratio Lower Upper

75 100

77 31.0 21.9 40.7





#46

1,1,2-Trichloroethane

Concen: 94.162 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW016443.D

Acq: 03 Sep 2020 13:09

Instrument :

MSVOA_W

ClientSampled :

VSTD10001

Tgt Ion: 97 Resp: 842684

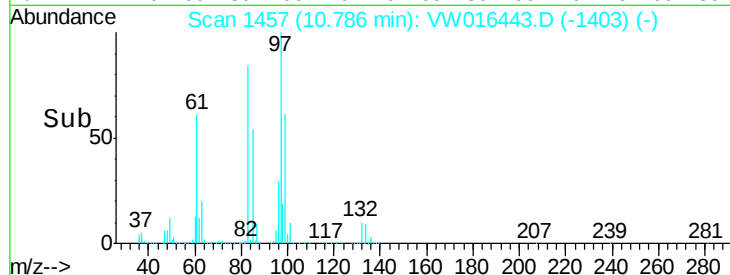
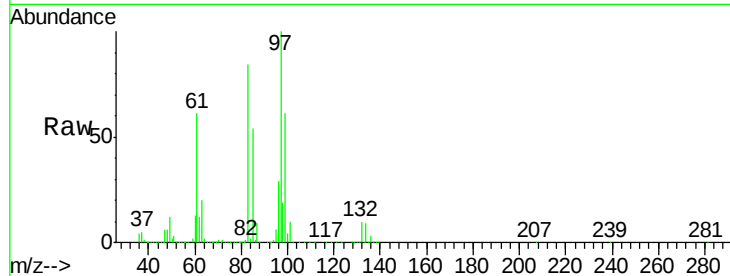
Ion Ratio Lower Upper

97 100

83 84.3 59.7 110.9

85 54.3 37.6 69.8

99 60.7 42.3 78.5

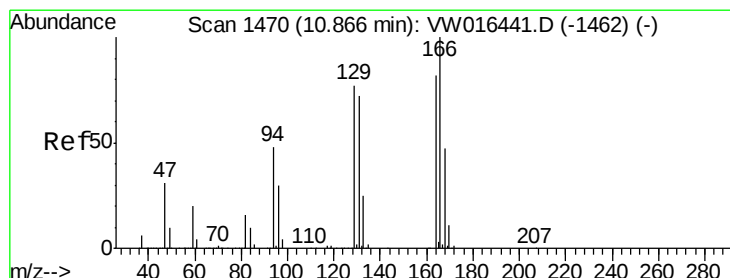
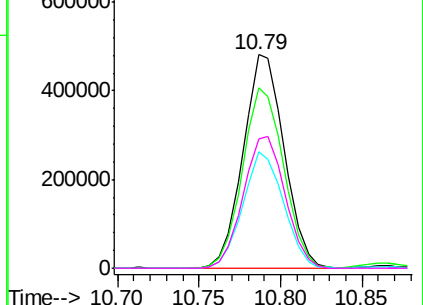


Abundance Ion 97.00 (96.70 to 97.70): VW

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



#47

Tetrachloroethene

Concen: 90.764 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW016443.D

Acq: 03 Sep 2020 13:09

Tgt Ion: 164 Resp: 935660

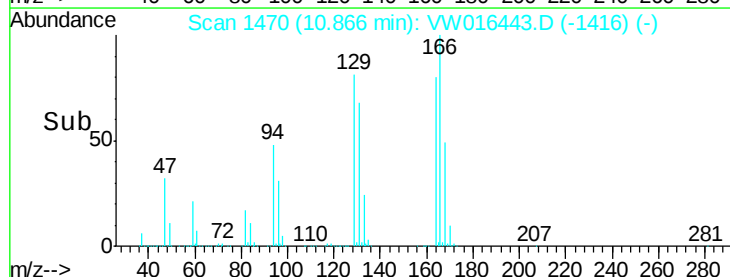
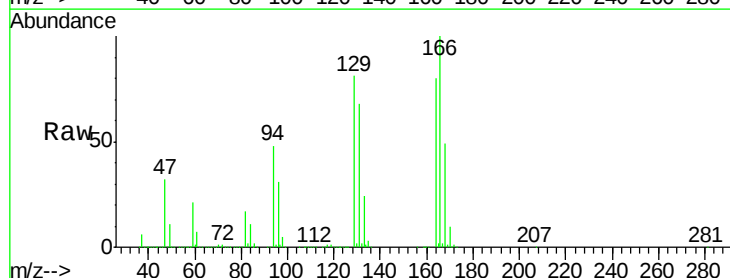
Ion Ratio Lower Upper

164 100

129 101.2 65.7 121.9

131 85.0 61.1 113.5

166 124.6 85.0 157.8

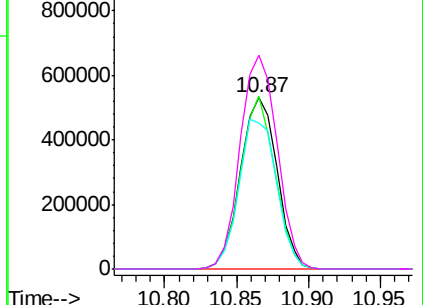


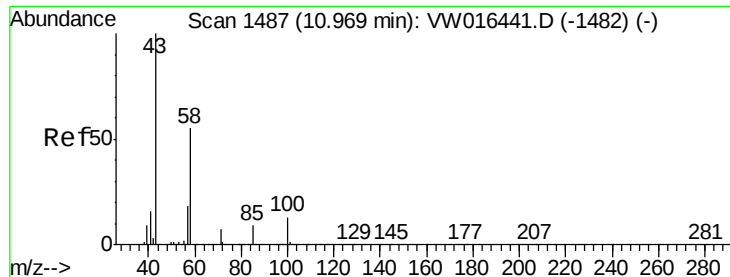
Abundance Ion 164.00 (163.70 to 164.70): V

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

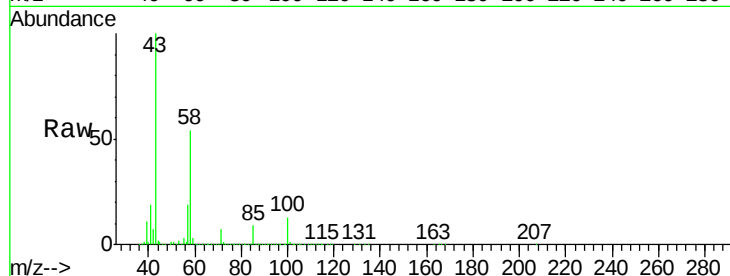




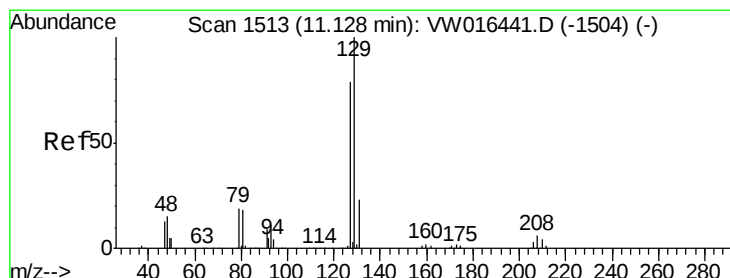
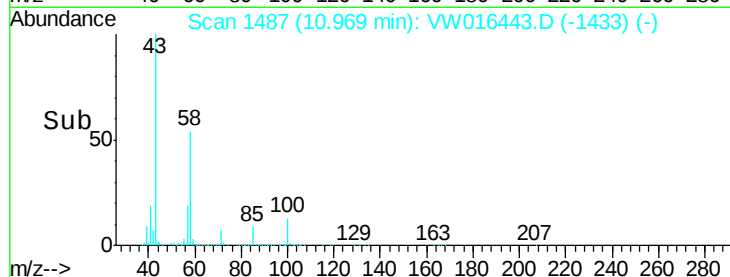
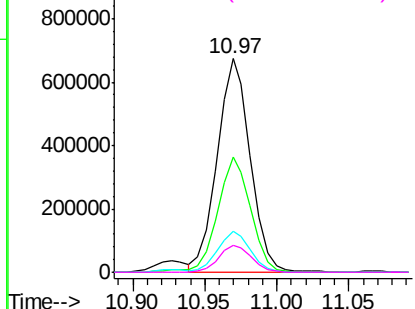
#49
2-Hexanone
Concen: 243.719 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW016443.D
Acq: 03 Sep 2020 13:09

Instrument :
MSVOA_W
ClientSampleId :
VSTD10001

Tgt Ion: 43 Resp: 1078694
Ion Ratio Lower Upper
43 100
58 53.4 42.1 63.1
57 19.1 14.9 22.3
100 12.8 10.3 15.5

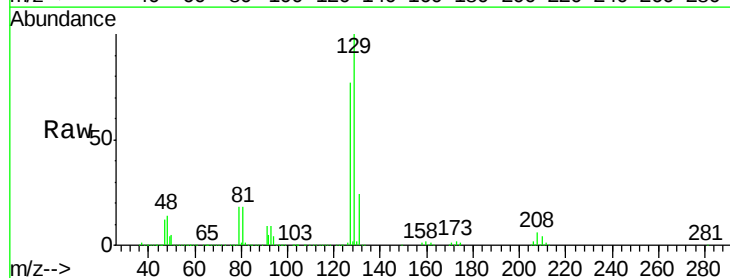


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

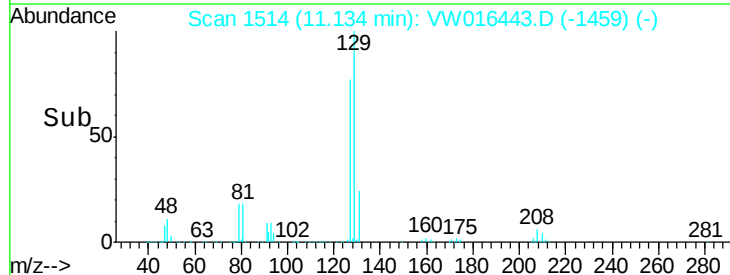
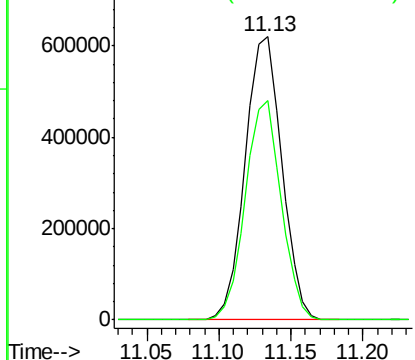


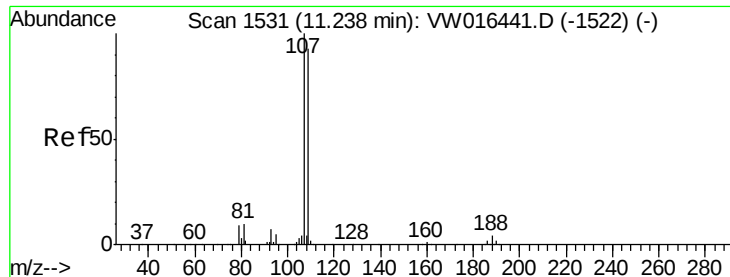
#50
Dibromochloromethane
Concen: 97.860 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW016443.D
Acq: 03 Sep 2020 13:09

Tgt Ion: 129 Resp: 1093346
Ion Ratio Lower Upper
129 100
127 77.4 55.4 103.0



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

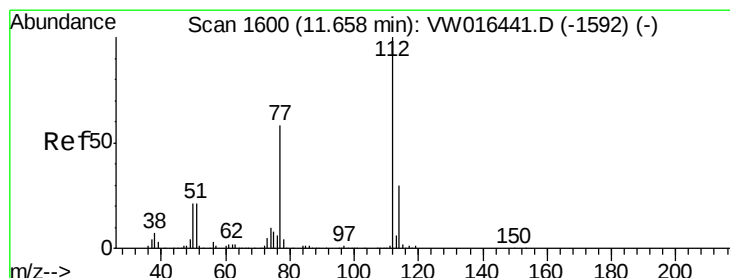
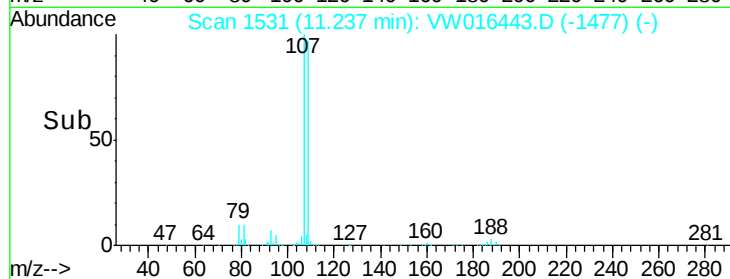
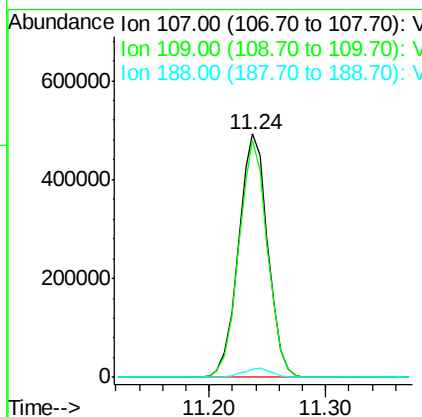
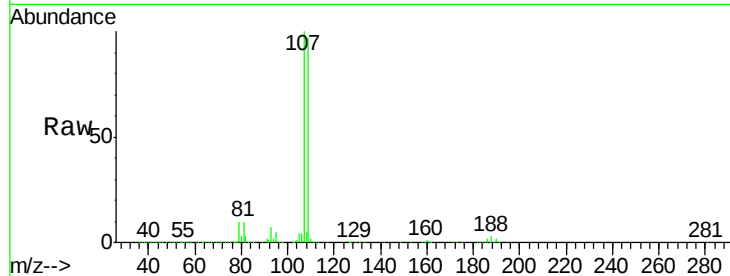




#51
 1,2-Dibromoethane
 Concen: 97.410 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW016443.D
 Acq: 03 Sep 2020 13:09

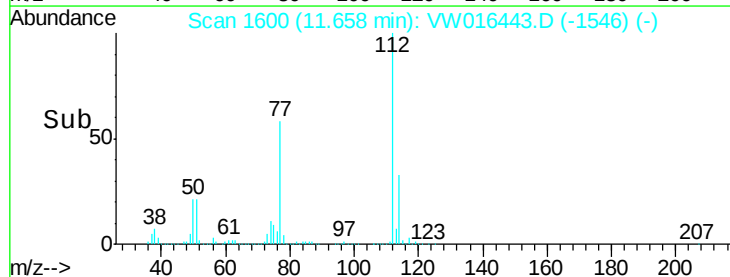
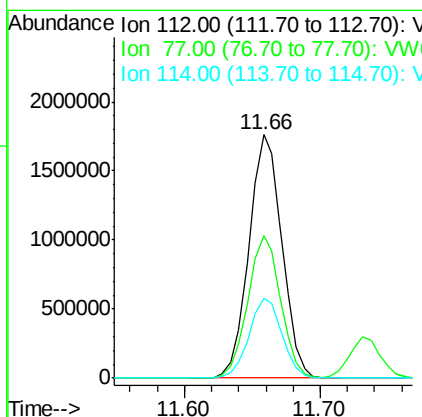
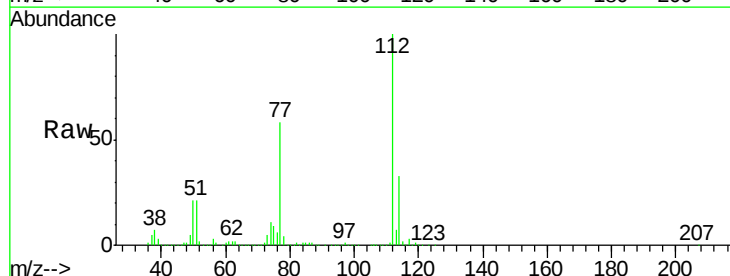
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10001

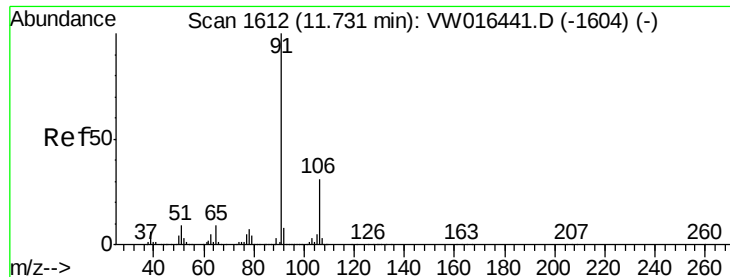
Tgt Ion:107 Resp: 856838
 Ion Ratio Lower Upper
 107 100
 109 97.3 64.8 120.4
 188 3.5 3.4 5.0



#52
 Chlorobenzene
 Concen: 89.301 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW016443.D
 Acq: 03 Sep 2020 13:09

Tgt Ion:112 Resp: 2989222
 Ion Ratio Lower Upper
 112 100
 77 58.4 46.2 69.2
 114 32.6 21.1 39.3





#53

Ethylbenzene

Concen: 90.504 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW016443.D

Acq: 03 Sep 2020 13:09

Instrument :

MSVOA_W

ClientSampleId :

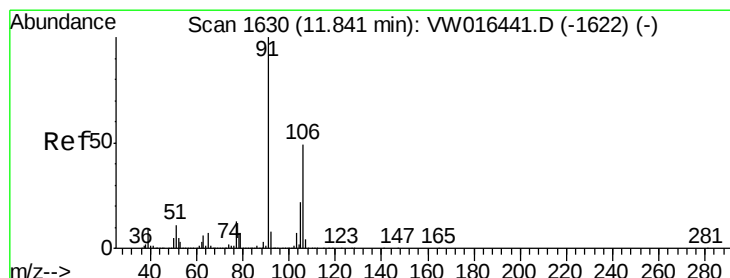
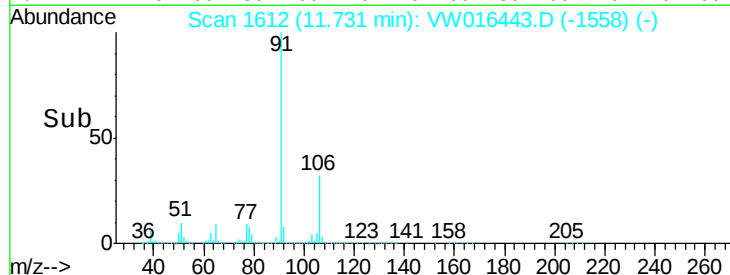
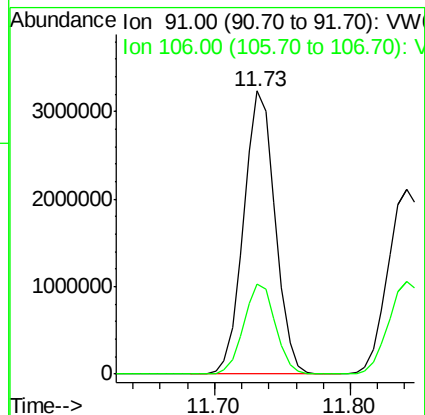
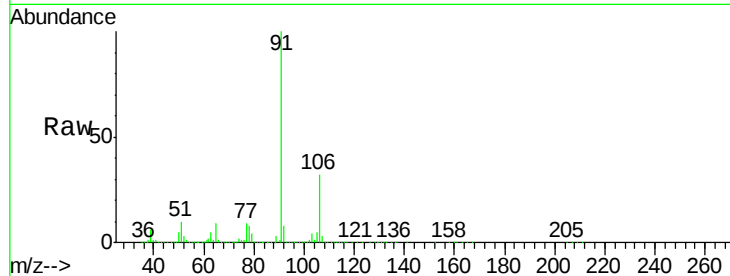
VSTD10001

Tgt Ion: 91 Resp: 5231784

Ion Ratio Lower Upper

91 100

106 31.8 21.6 40.2



#54

m,p-Xylene

Concen: 91.341 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW016443.D

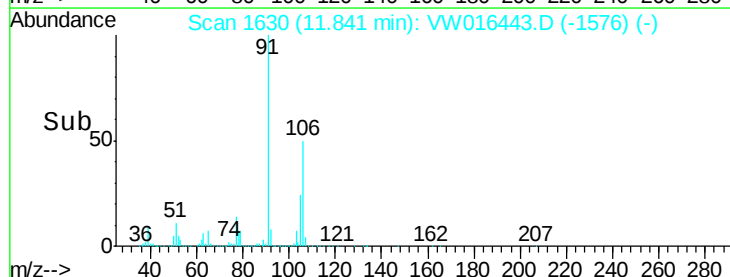
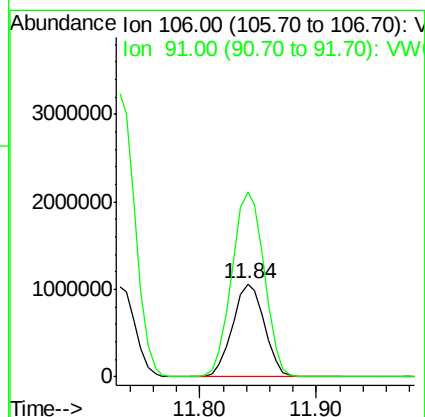
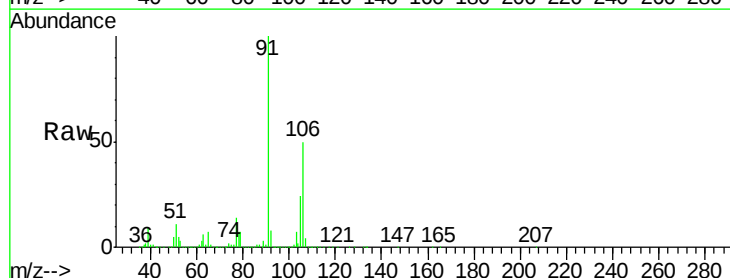
Acq: 03 Sep 2020 13:09

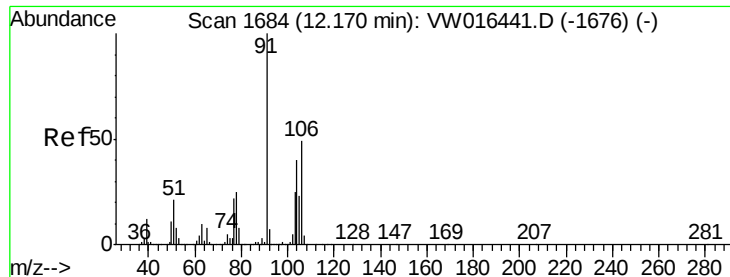
Tgt Ion: 106 Resp: 2022351

Ion Ratio Lower Upper

106 100

91 199.0 142.3 264.3





#55

o-xylene

Concen: 92.552 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW016443.D

Acq: 03 Sep 2020 13:09

Instrument :

MSVOA_W

ClientSampled :

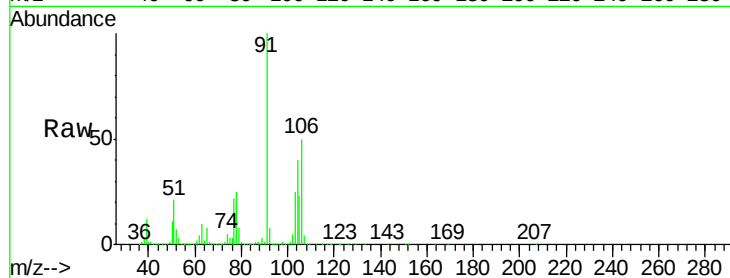
VSTD10001

Tgt Ion:106 Resp: 1932140

Ion Ratio Lower Upper

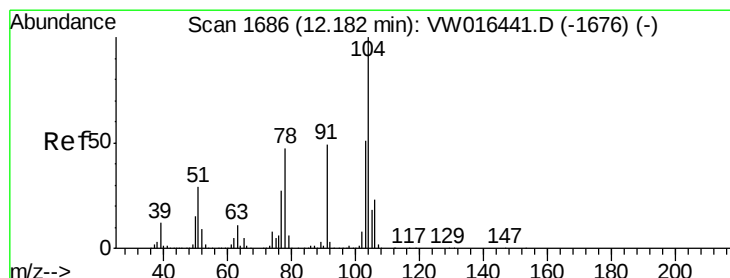
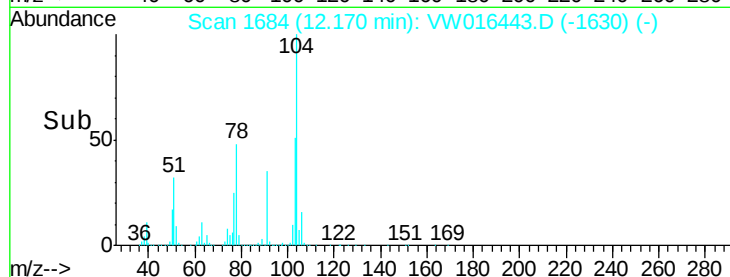
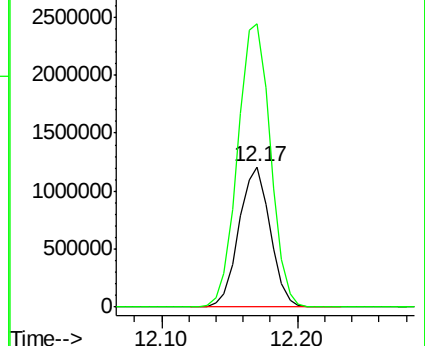
106 100

91 201.3 144.3 267.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 93.412 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW016443.D

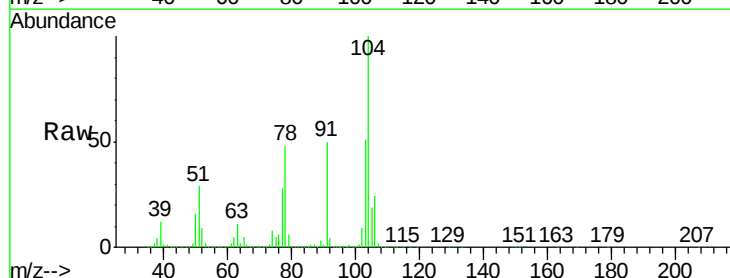
Acq: 03 Sep 2020 13:09

Tgt Ion:104 Resp: 3277915

Ion Ratio Lower Upper

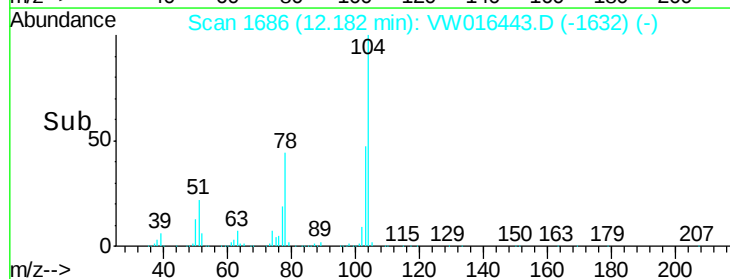
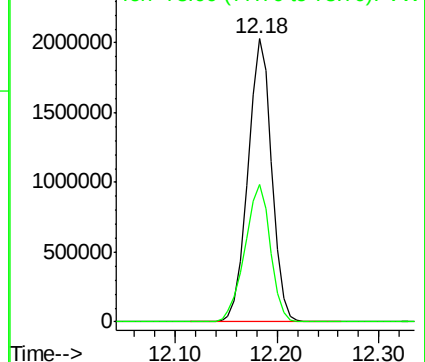
104 100

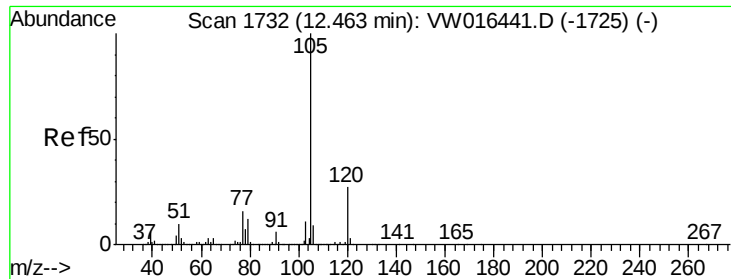
78 48.5 32.8 61.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 88.384 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW016443.D

Acq: 03 Sep 2020 13:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD10001

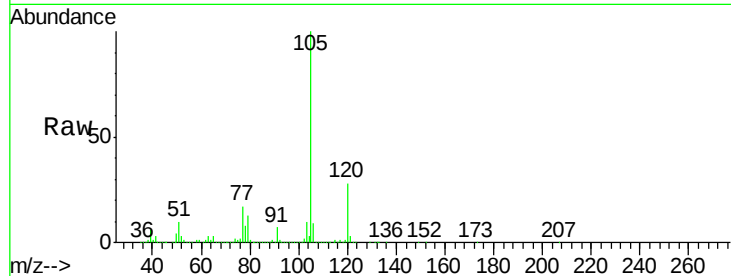
Tgt Ion:105 Resp: 5107456

Ion Ratio Lower Upper

105 100

120 27.7 21.9 32.9

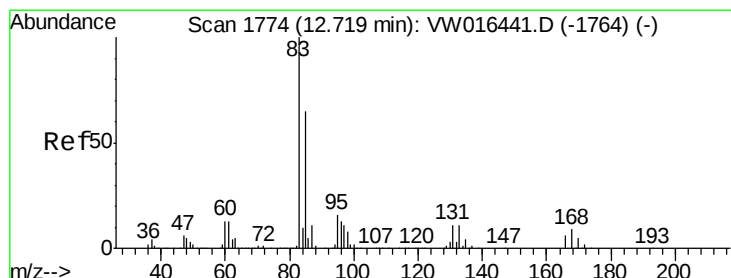
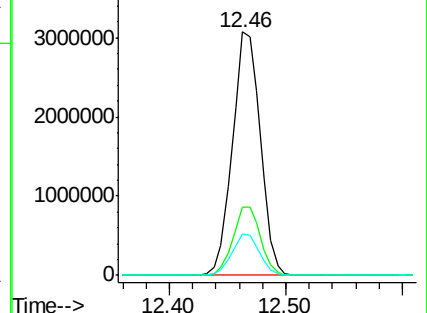
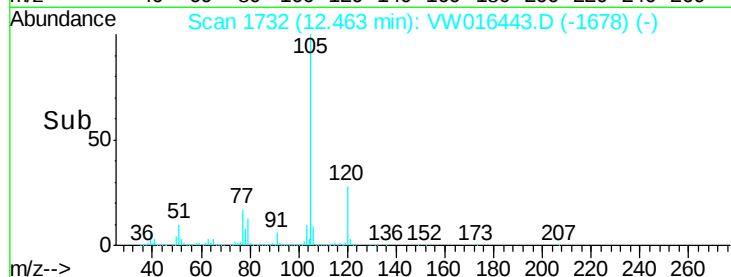
77 16.4 13.0 19.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 96.385 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW016443.D

Acq: 03 Sep 2020 13:09

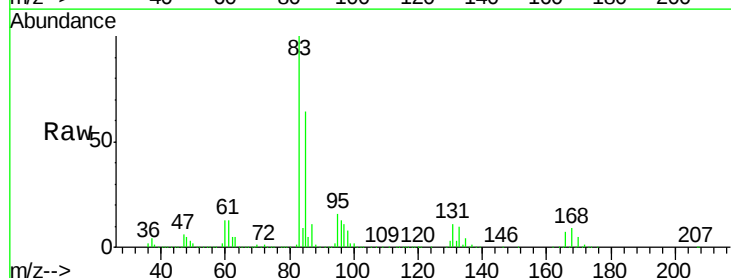
Tgt Ion: 83 Resp: 1006297

Ion Ratio Lower Upper

83 100

85 63.9 45.3 84.1

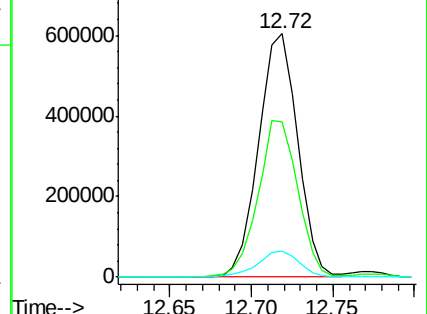
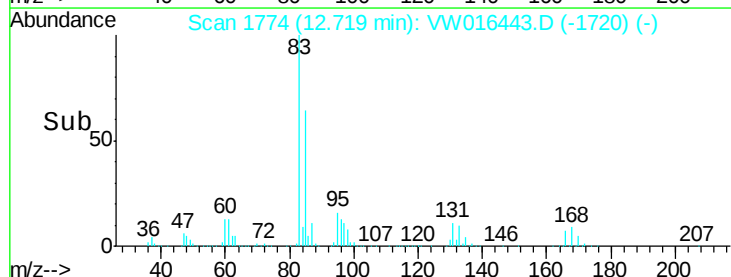
131 10.7 8.7 13.1

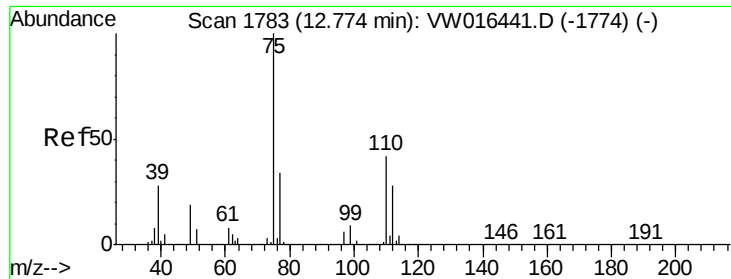


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

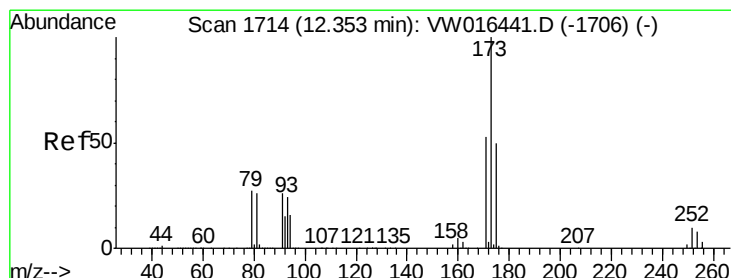
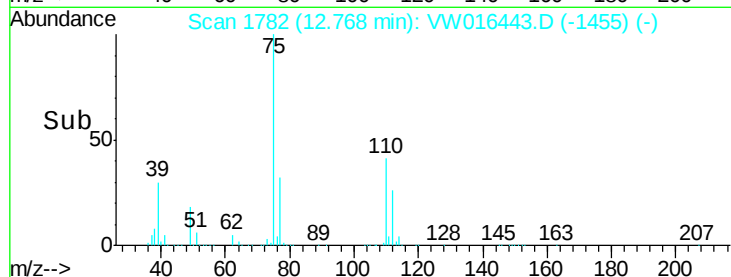
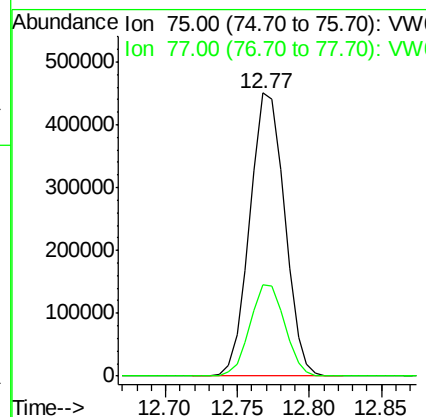
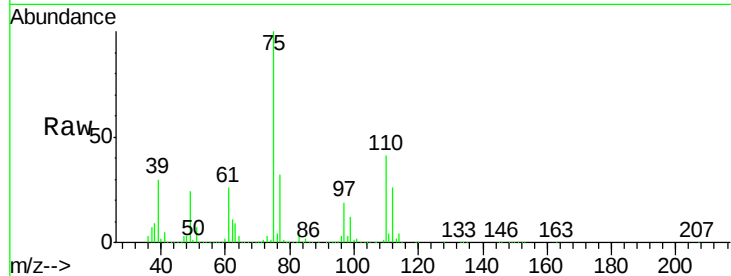




#59
 1,2,3-Trichloropropane
 Concen: 97.440 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.01 min
 Lab File: VW016443.D
 Acq: 03 Sep 2020 13:09

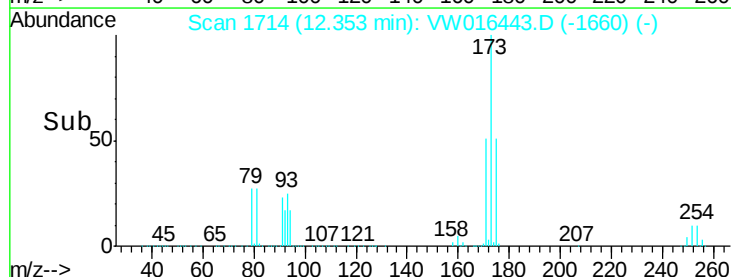
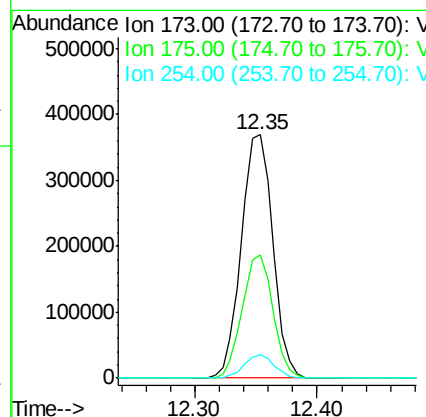
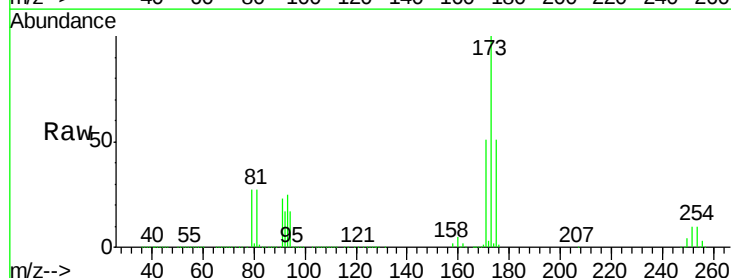
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10001

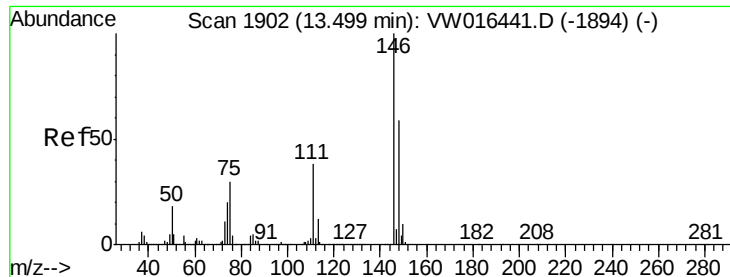
Tgt Ion: 75 Resp: 754125
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.0 39.0



#62
 Bromoform
 Concen: 106.840 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: VW016443.D
 Acq: 03 Sep 2020 13:09

Tgt Ion: 173 Resp: 659832
 Ion Ratio Lower Upper
 173 100
 175 49.2 39.2 58.8
 254 9.3 5.8 8.6#

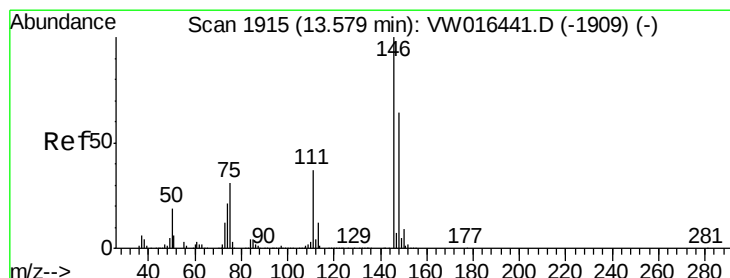
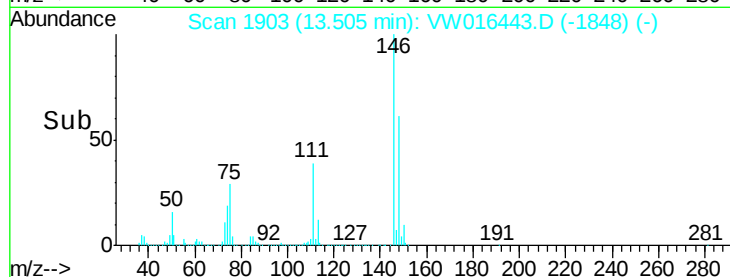
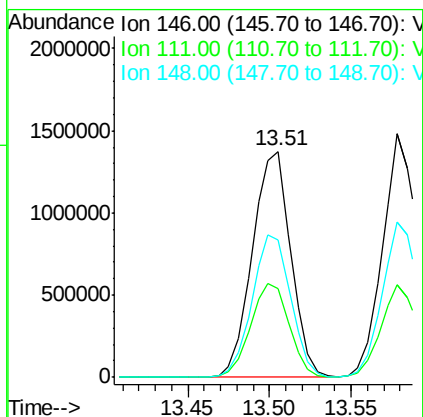
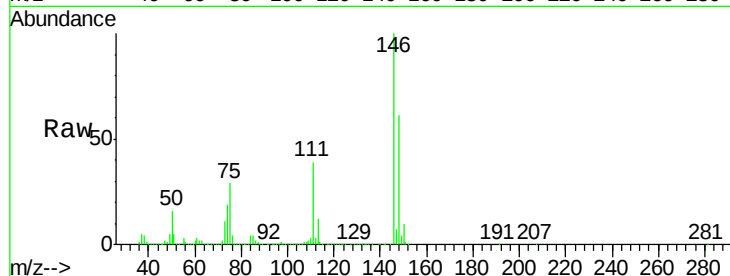




#63
 1,3-Dichlorobenzene
 Concen: 89.919 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW016443.D
 Acq: 03 Sep 2020 13:09

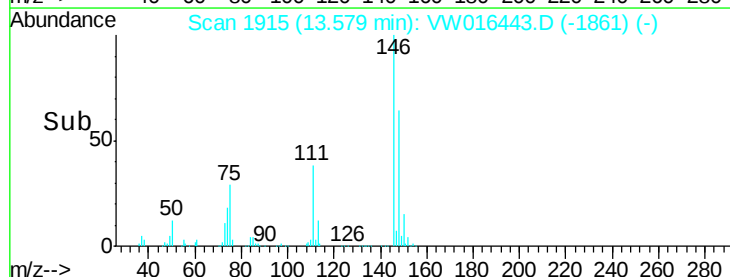
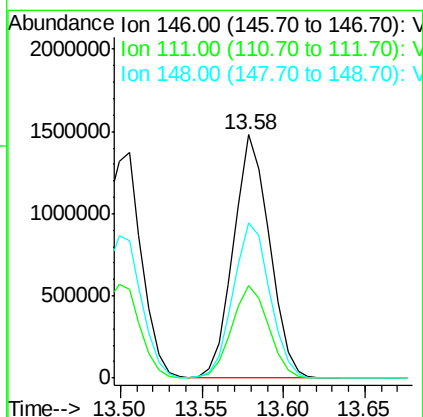
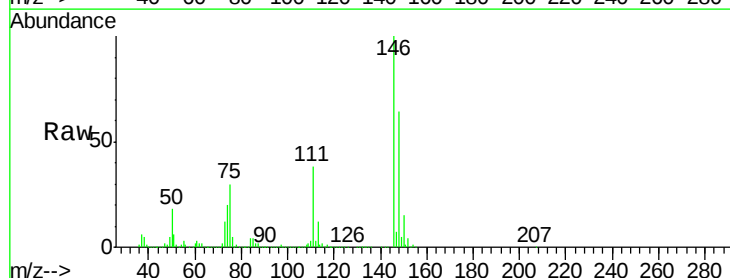
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10001

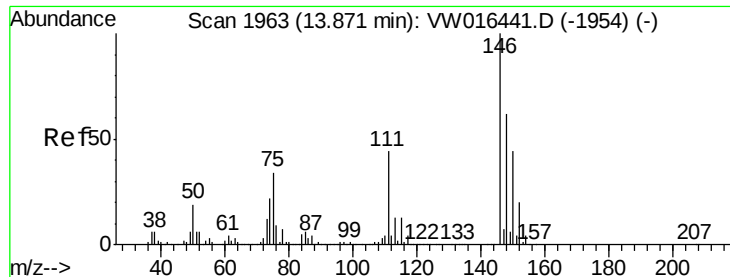
Tgt Ion:146 Resp: 2255204
 Ion Ratio Lower Upper
 146 100
 111 39.3 26.5 49.3
 148 60.8 41.3 76.7



#64
 1,4-Dichlorobenzene
 Concen: 89.807 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW016443.D
 Acq: 03 Sep 2020 13:09

Tgt Ion:146 Resp: 2283006
 Ion Ratio Lower Upper
 146 100
 111 37.9 26.4 49.0
 148 63.7 45.1 83.9

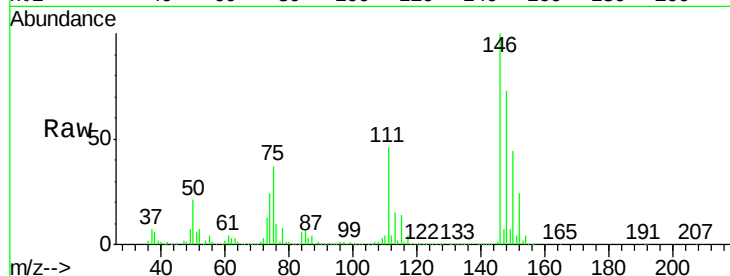




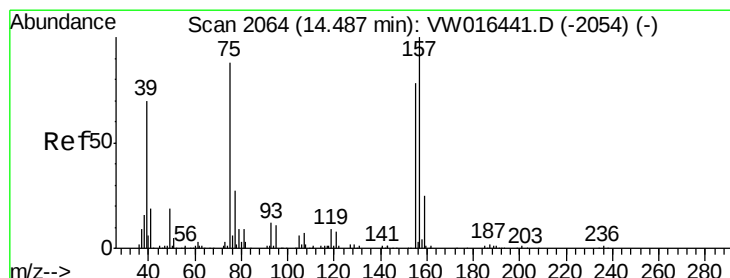
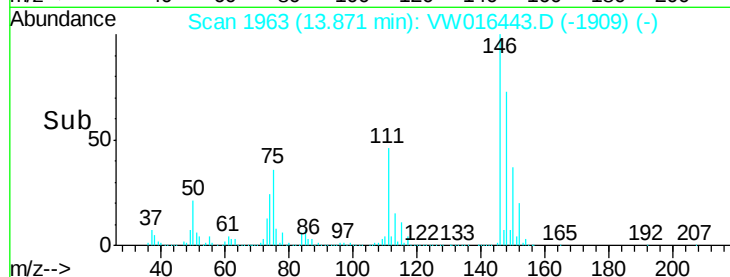
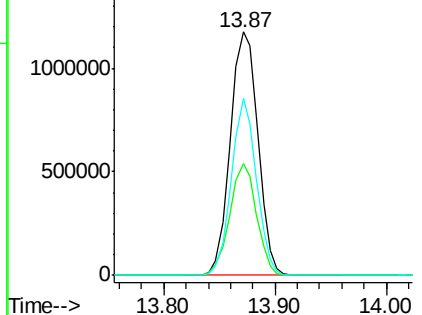
#65
 1,2-Dichlorobenzene
 Concen: 89.840 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW016443.D
 Acq: 03 Sep 2020 13:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10001

Tgt Ion: 146 Resp: 2015696
 Ion Ratio Lower Upper
 146 100
 111 46.1 35.3 52.9
 148 72.7 49.8 74.8

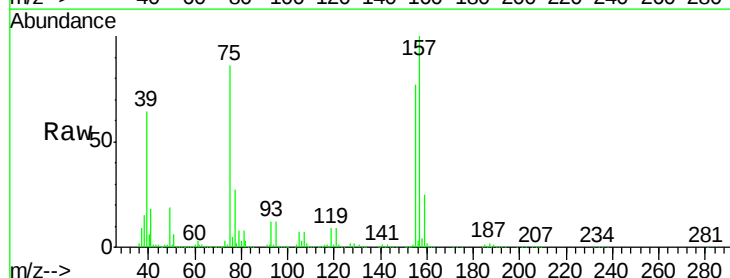


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

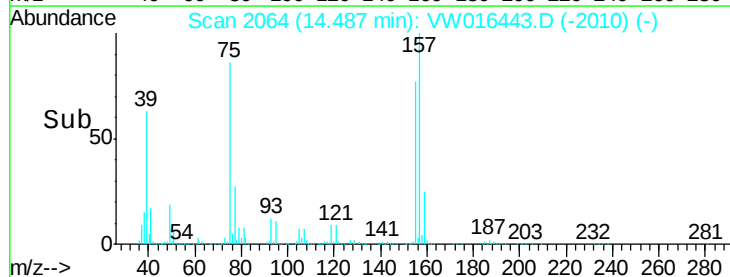
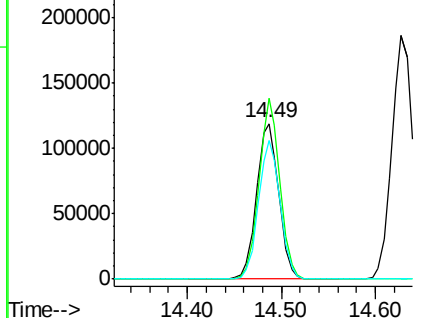


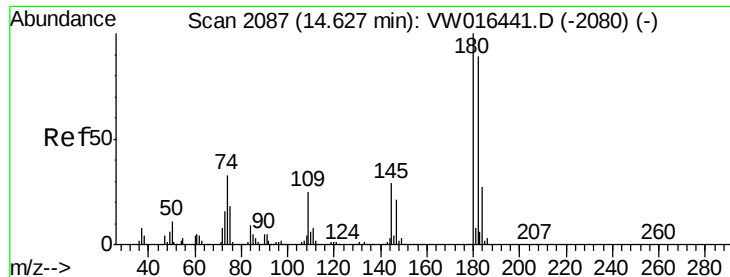
#66
 1,2-Dibromo-3-chloropropane
 Concen: 109.711 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW016443.D
 Acq: 03 Sep 2020 13:09

Tgt Ion: 75 Resp: 196789
 Ion Ratio Lower Upper
 75 100
 157 115.9 91.4 137.0
 155 89.5 71.3 106.9



Abundance Ion 75.00 (74.70 to 75.70): VW
 Ion 157.00 (156.70 to 157.70): V
 Ion 155.00 (154.70 to 155.70): V

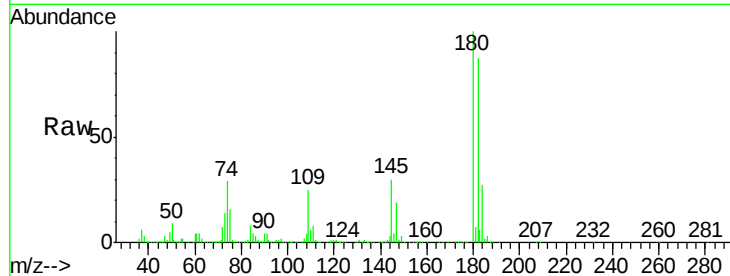




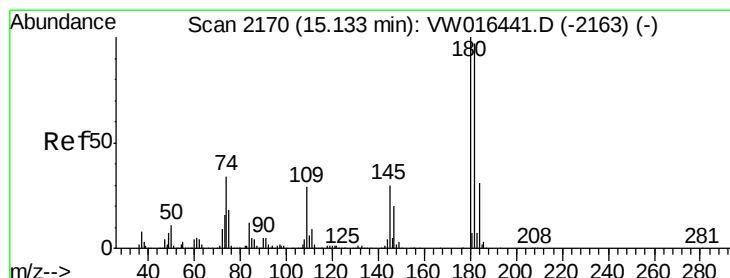
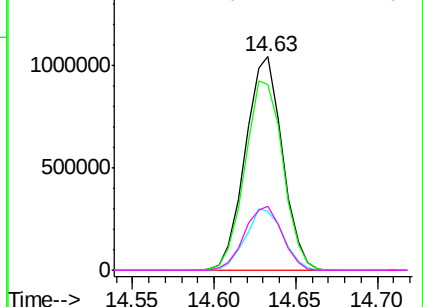
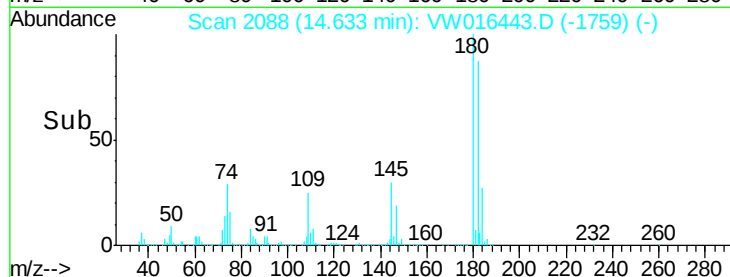
#67
 1,3,5-Trichlorobenzene
 Concen: 95.540 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW016443.D
 Acq: 03 Sep 2020 13:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10001

Tgt Ion:180 Resp: 1654271
 Ion Ratio Lower Upper
 180 100
 182 91.2 75.8 113.8
 184 29.0 24.2 36.2
 145 30.4 24.6 36.8

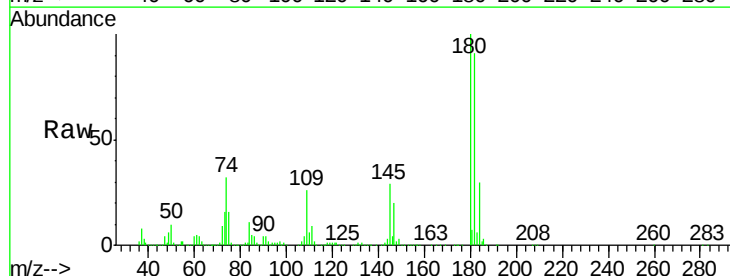


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

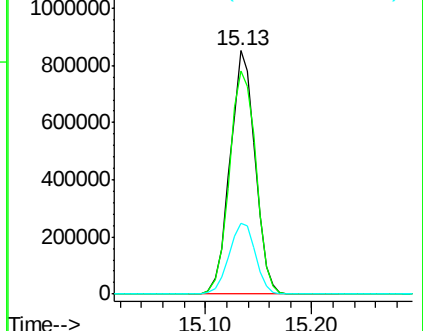
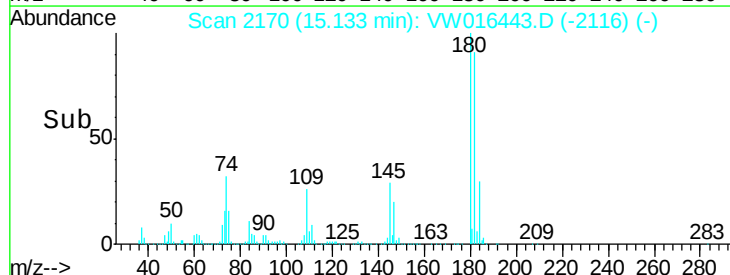


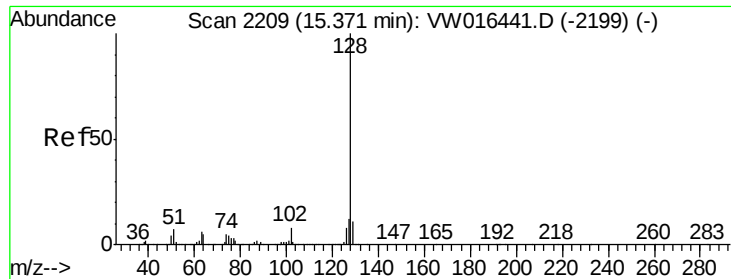
#68
 1,2,4-trichlorobenzene
 Concen: 102.659 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016443.D
 Acq: 03 Sep 2020 13:09

Tgt Ion:180 Resp: 1403989
 Ion Ratio Lower Upper
 180 100
 182 96.9 78.5 117.7
 145 30.8 25.6 38.4



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: 114.972 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW016443.D

Acq: 03 Sep 2020 13:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD10001

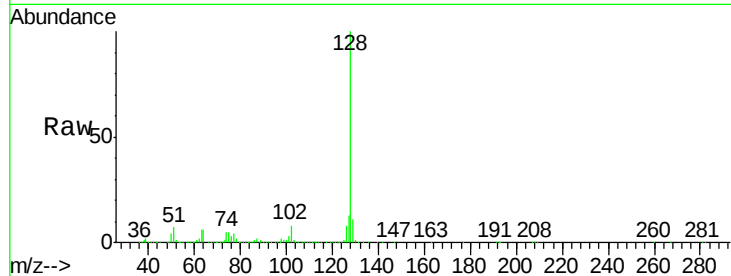
Tgt Ion:128 Resp: 3133626

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

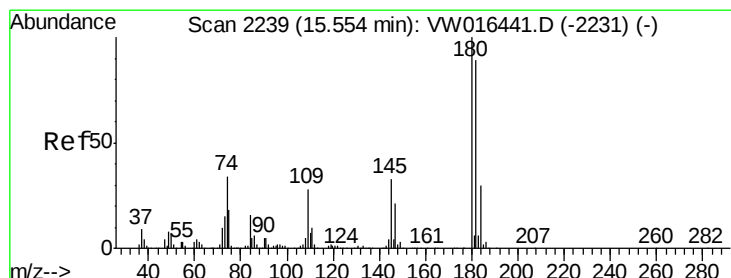
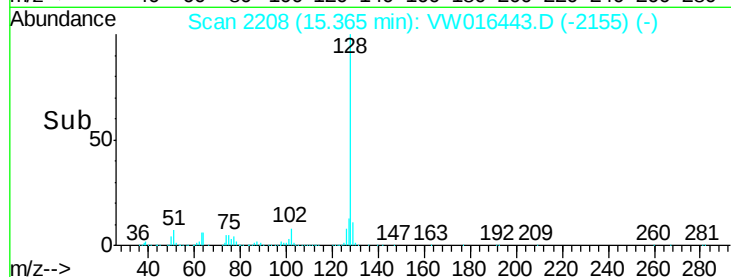
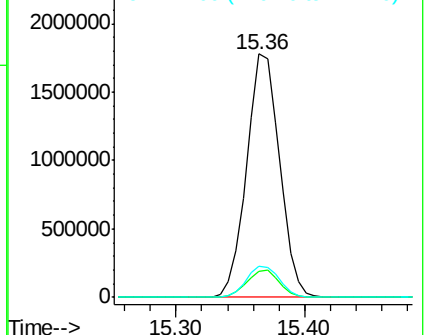
127 13.0 10.5 15.7



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: 104.040 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW016443.D

Acq: 03 Sep 2020 13:09

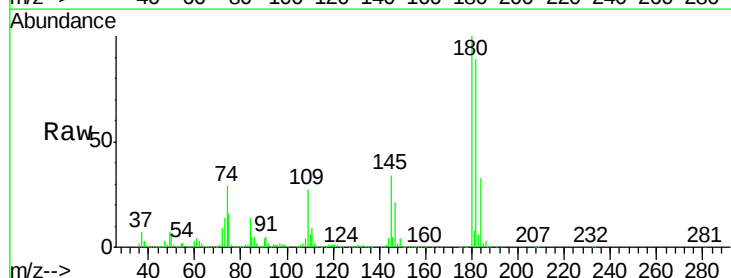
Tgt Ion:180 Resp: 1250201

Ion Ratio Lower Upper

180 100

182 92.3 76.1 114.1

145 34.3 28.1 42.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

