

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW012820\
 Data File : VW014783.D
 Acq On : 28 Jan 2020 12:01
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

Quant Time: Jan 28 16:00:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM012720S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 28 07:18:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	939149	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	836147	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	414691	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	392794	26.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.64%
7) Chloroethane-d5	2.89	69	355307	28.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	112.44%
10) 1,1-Dichloroethene-d2	4.02	63	609096	22.63	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.52%
20) 2-Butanone-d5	7.07	46	265098	62.76	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	125.52%
24) Chloroform-d	7.64	84	668413	25.78	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.12%
26) 1,2-Dichloroethane-d4	8.30	65	355644	25.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.88%
29) Benzene-d6	8.27	84	1386001	26.34	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.36%
33) 1,2-Dichloropropane-d6	9.27	67	456924	27.93	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	111.72%
37) Toluene-d8	10.32	98	1247458	26.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.44%
38) trans-1,3-Dichloropropene-	10.57	79	174465	26.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	107.08%
39) 2-Hexanone-d5	10.92	63	187103	60.95	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	121.90%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	342098	26.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.60%
61) 1,2-Dichlorobenzene-d4	13.85	152	433568	26.68	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.72%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	262163	22.70	ug/L	100
3) Chloromethane	2.21	50	302311	22.44	ug/L	98
5) Vinyl chloride	2.36	62	475802	25.10	ug/L	100
6) Bromomethane	2.78	94	240897	24.31	ug/L	99
8) Chloroethane	2.92	64	260077	25.33	ug/L	97
9) Trichlorofluoromethane	3.26	101	262446	28.83	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	287024	22.08	ug/L	98
12) 1,1-Dichloroethene	4.04	96	282296	22.02	ug/L	93
13) Acetone	4.12	43	187999	41.56	ug/L	99
14) Carbon disulfide	4.38	76	896685	21.37	ug/L	100
15) Methyl Acetate	4.66	43	146541	21.71	ug/L	99
16) Methylene chloride	4.91	84	294928	18.58	ug/L	96
17) Methyl tert-butyl Ether	5.42	73	382003	22.54	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	294773	22.25	ug/L	97
19) 1,1-Dichloroethane	6.21	63	583334	23.48	ug/L	98
21) 2-Butanone	7.16	43	299690	59.17	ug/L	98
22) cis-1,2-Dichloroethene	7.16	96	371520	26.79	ug/L	98

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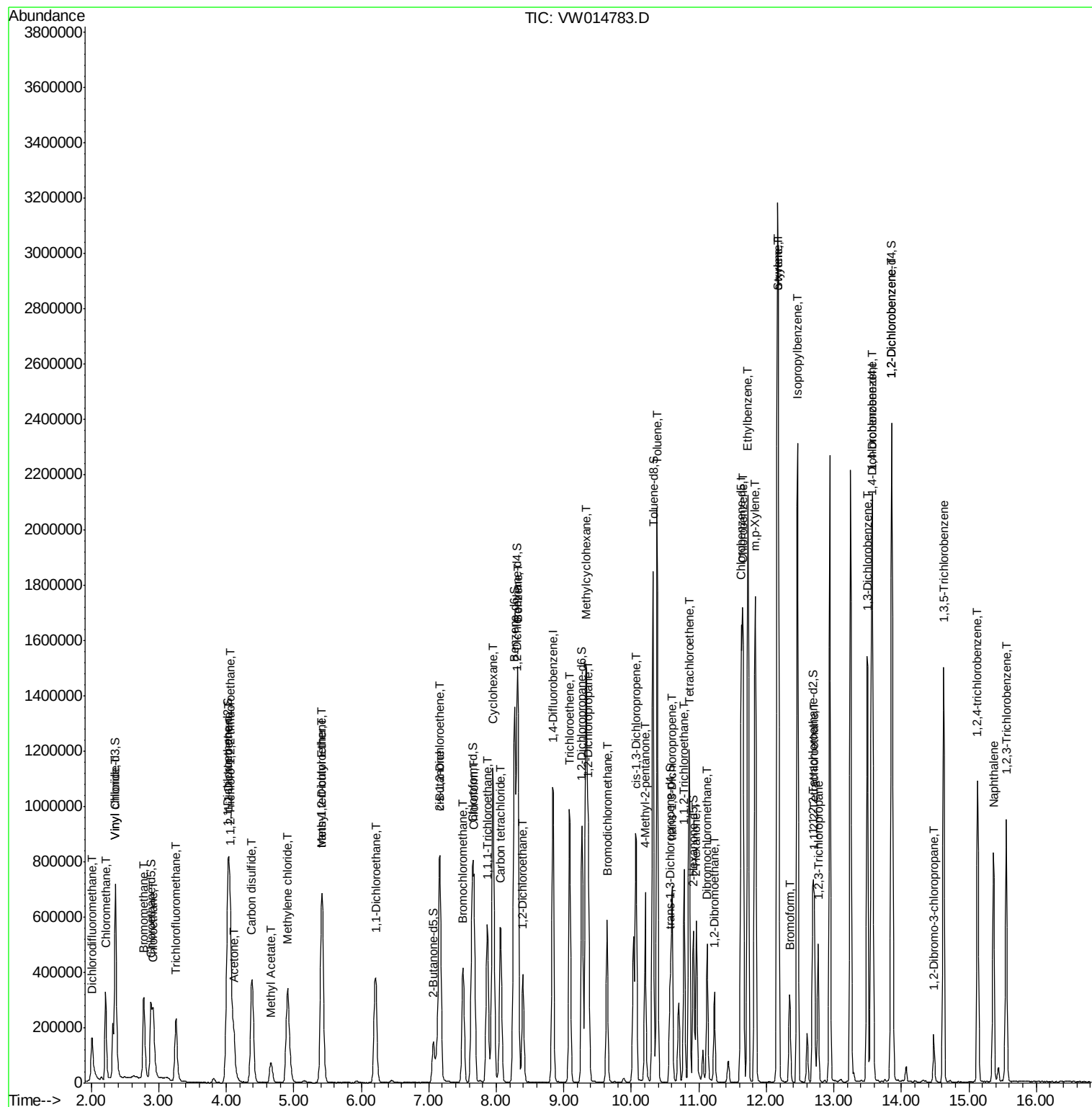
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	143362	23.66	ug/L	93
25) Chloroform	7.67	83	554249	23.91	ug/L	100
27) 1,2-Dichloroethane	8.40	62	361788	23.63	ug/L	98
30) Cyclohexane	7.95	56	668829	29.29	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	466028	25.53	ug/L	99
32) Carbon tetrachloride	8.07	117	432855	25.30	ug/L	100
34) Benzene	8.32	78	1283379	23.97	ug/L	100
35) Trichloroethene	9.09	95	351749	25.86	ug/L	98
36) Methylcyclohexane	9.33	83	615446	26.00	ug/L	100
40) 1,2-Dichloropropane	9.37	63	337118	24.83	ug/L	99
41) Bromodichloromethane	9.64	83	393378	24.25	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	539336	27.20	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	451032	50.53	ug/L	99
44) Toluene	10.38	91	1443747	26.53	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	404326	25.12	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	242581	26.18	ug/L	99
47) Tetrachloroethene	10.86	164	275046	25.30	ug/L	97
49) 2-Hexanone	10.96	43	385457	60.06	ug/L	97
50) Dibromochloromethane	11.13	129	267673	25.32	ug/L	97
51) 1,2-Dibromoethane	11.23	107	221352	24.83	ug/L	97
52) Chlorobenzene	11.66	112	833838	24.54	ug/L	99
53) Ethylbenzene	11.73	91	1493936	25.12	ug/L	98
54) m,p-Xylene	11.83	106	565804	25.45	ug/L	96
55) o-xylene	12.16	106	555564	26.64	ug/L	96
56) Styrene	12.18	104	961500	27.18	ug/L	97
57) Isopropylbenzene	12.46	105	1460624	25.86	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	283638	23.76	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	213631	23.82	ug/L	100
62) Bromoform	12.35	173	149361	22.94	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	637089	23.80	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	640815	23.88	ug/L	99
65) 1,2-Dichlorobenzene	13.86	146	597692	24.54	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	45190	22.63	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	470054	23.70	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	367381	24.96	ug/L	99
69) Naphthalene	15.36	128	697422	26.20	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	336868	24.97	ug/L	99

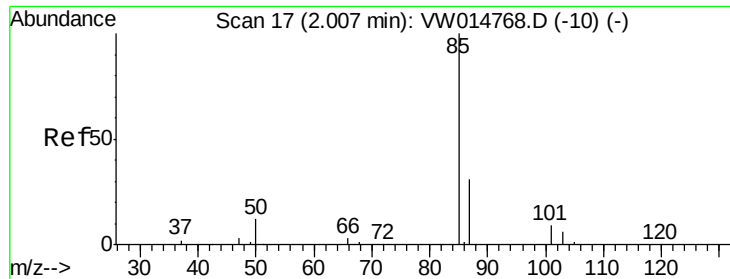
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.70 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW014783.D

Acq: 28 Jan 2020 12:01

Instrument :

MSVOA_W

ClientSampleId :

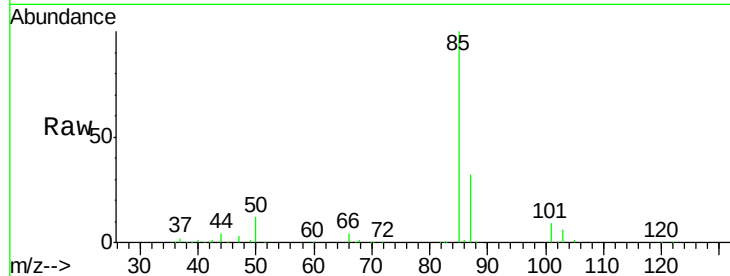
VSTD02526

Tgt Ion: 85 Resp: 262163

Ion Ratio Lower Upper

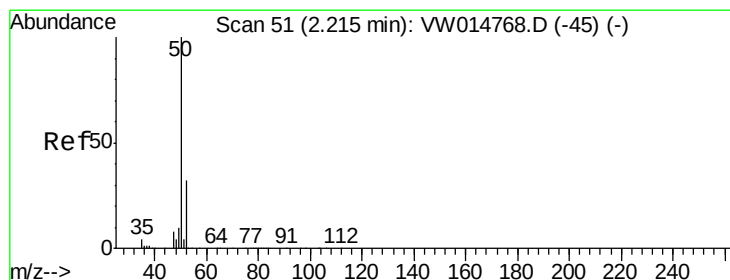
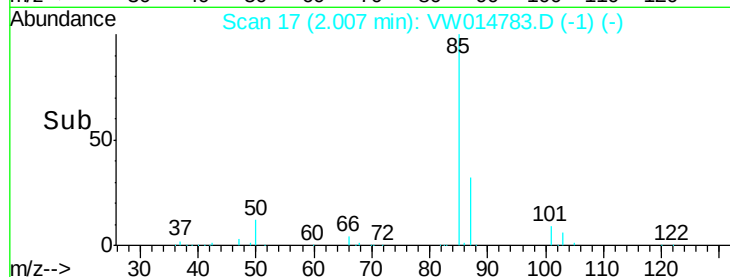
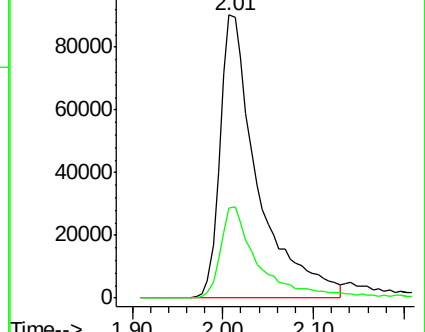
85 100

87 31.3 22.0 40.8



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 22.44 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW014783.D

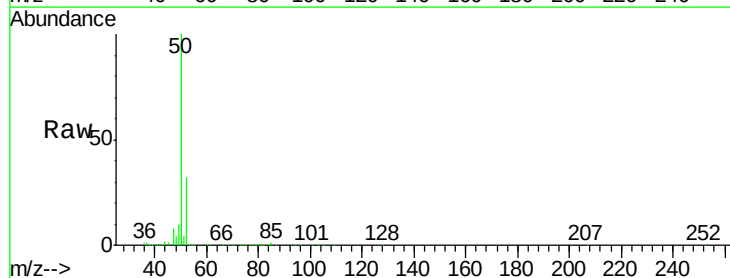
Acq: 28 Jan 2020 12:01

Tgt Ion: 50 Resp: 302311

Ion Ratio Lower Upper

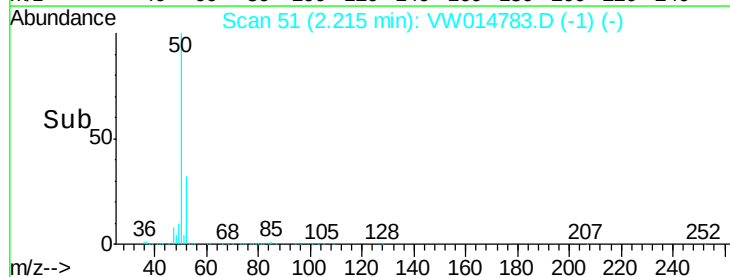
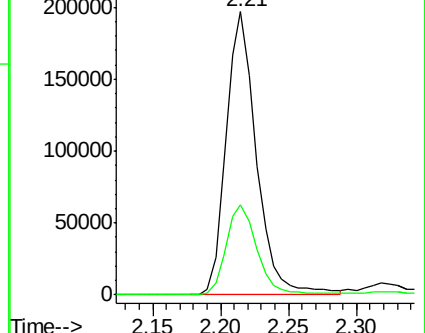
50 100

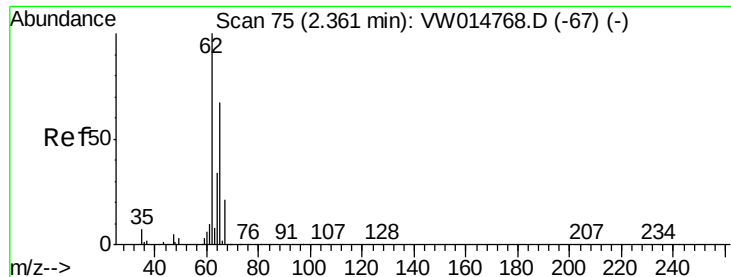
52 31.8 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 25.10 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW014783.D

Acq: 28 Jan 2020 12:01

Instrument :

MSVOA_W

ClientSampled :

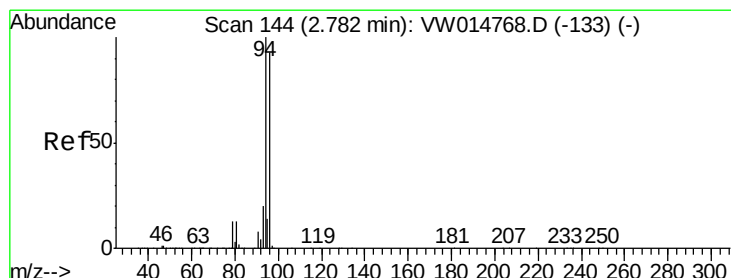
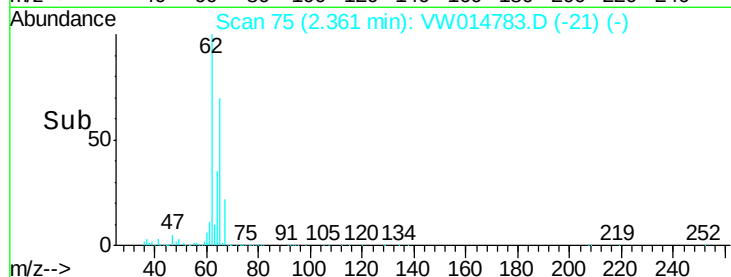
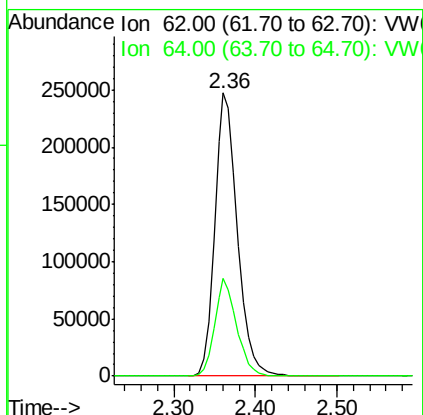
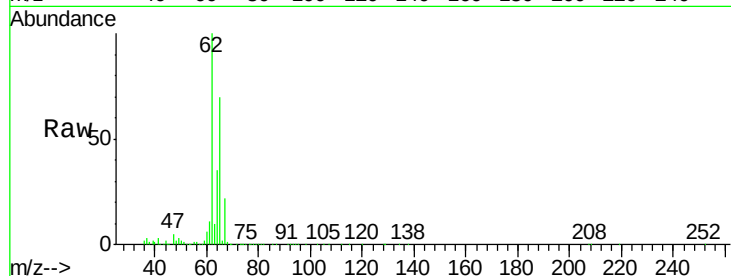
VSTD02526

Tgt Ion: 62 Resp: 475802

Ion Ratio Lower Upper

62 100

64 34.6 24.3 45.1



#6

Bromomethane

Concen: 24.31 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW014783.D

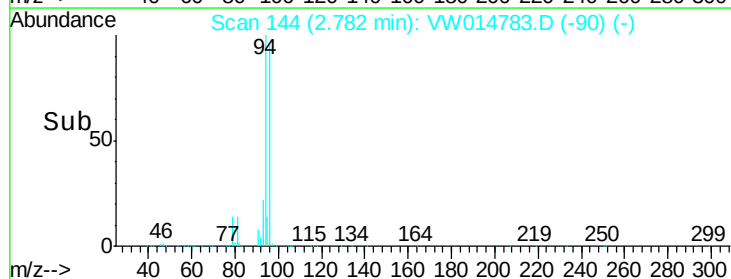
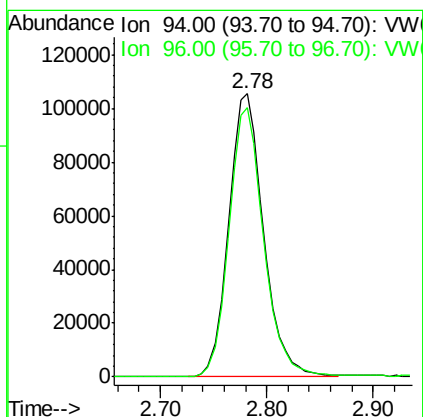
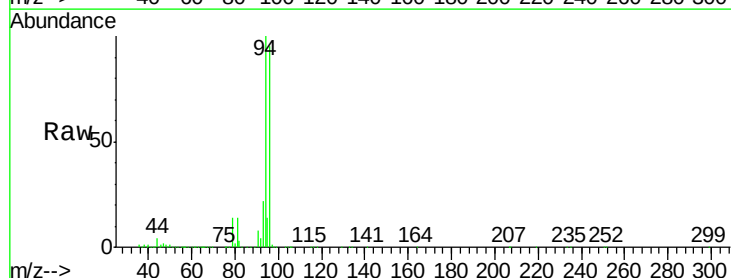
Acq: 28 Jan 2020 12:01

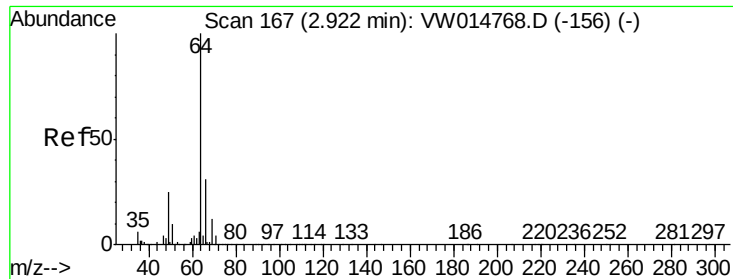
Tgt Ion: 94 Resp: 240897

Ion Ratio Lower Upper

94 100

96 94.9 9.3 177.7

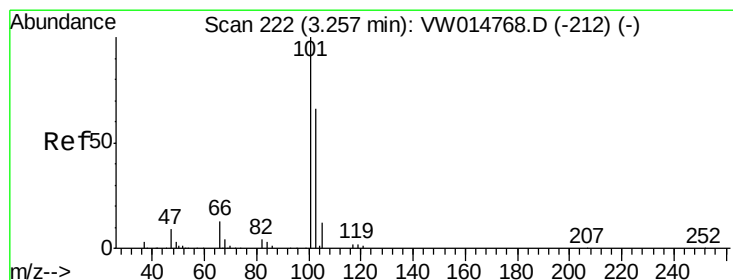
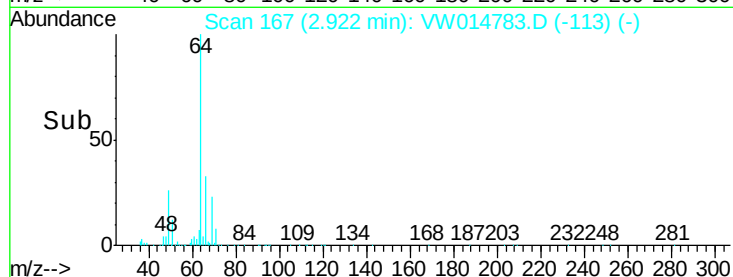
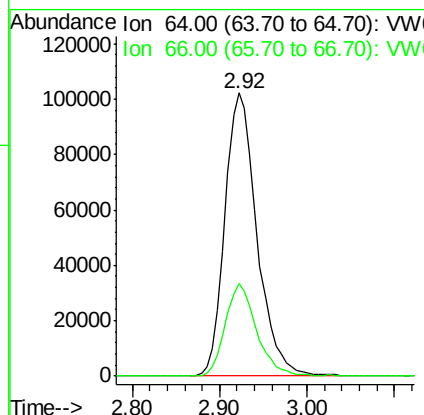
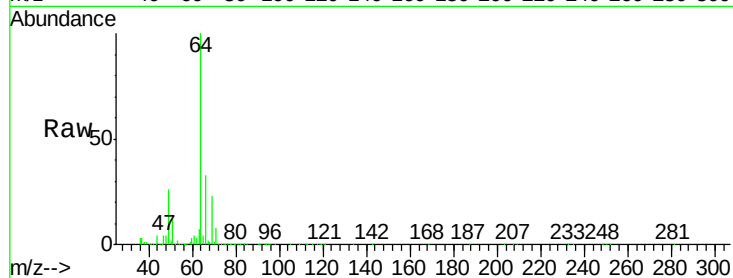




#8
Chloroethane
Concen: 25.33 ug/L
RT: 2.92 min Scan# 167
Delta R.T. -0.00 min
Lab File: VW014783.D
Acq: 28 Jan 2020 12:01

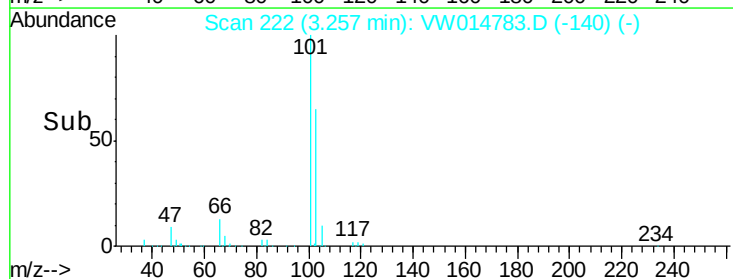
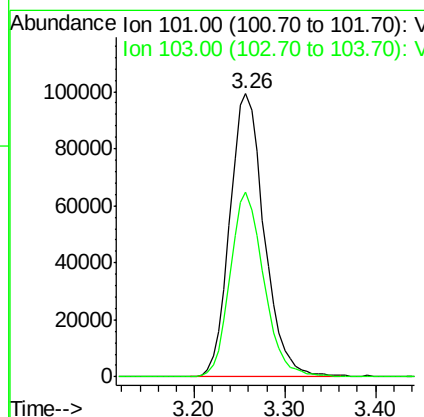
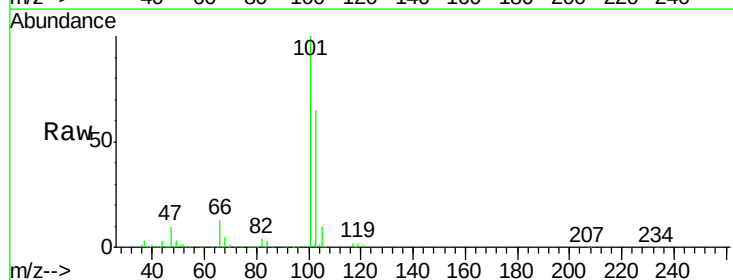
Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

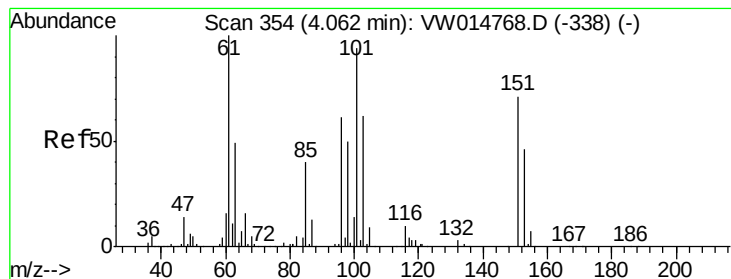
Tgt Ion: 64 Resp: 260077
Ion Ratio Lower Upper
64 100
66 32.8 21.8 40.4



#9
Trichlorofluoromethane
Concen: 28.83 ug/L
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW014783.D
Acq: 28 Jan 2020 12:01

Tgt Ion: 101 Resp: 262446
Ion Ratio Lower Upper
101 100
103 64.0 45.1 83.9





#11

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

Concen: 22.08 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW014783.D

Acq: 28 Jan 2020 12:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

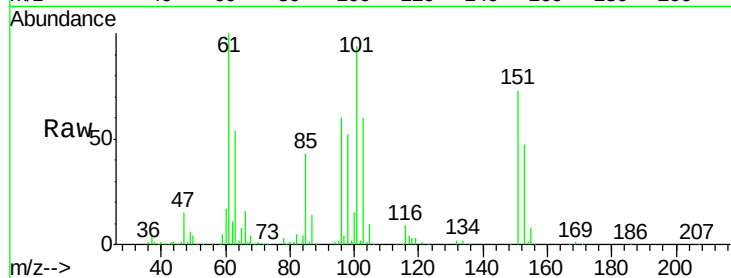
Tgt Ion:101 Resp: 287024

Ion Ratio Lower Upper

101 100

85 41.9 33.8 50.6

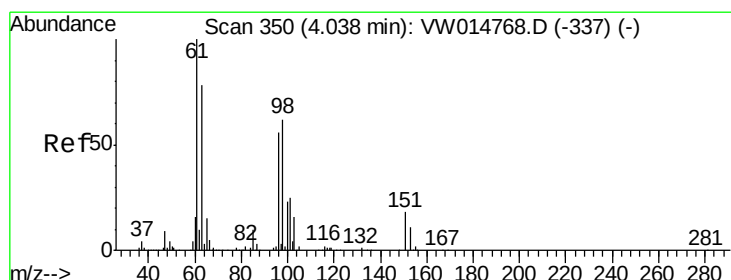
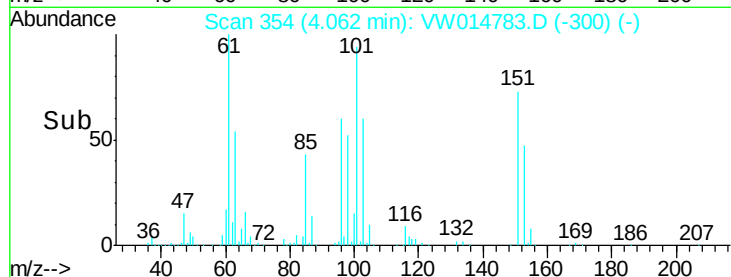
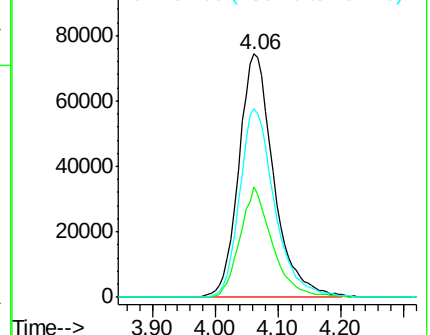
151 76.8 59.7 89.5



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: 22.02 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW014783.D

Acq: 28 Jan 2020 12:01

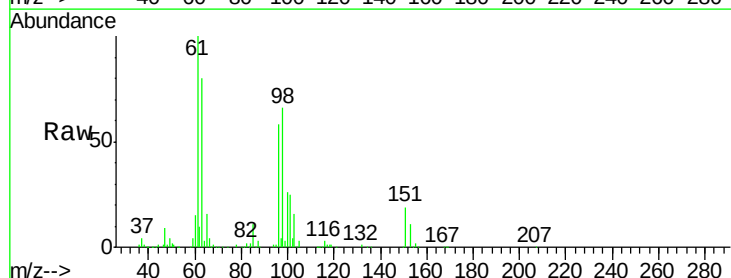
Tgt Ion: 96 Resp: 282296

Ion Ratio Lower Upper

96 100

61 173.3 124.3 230.9

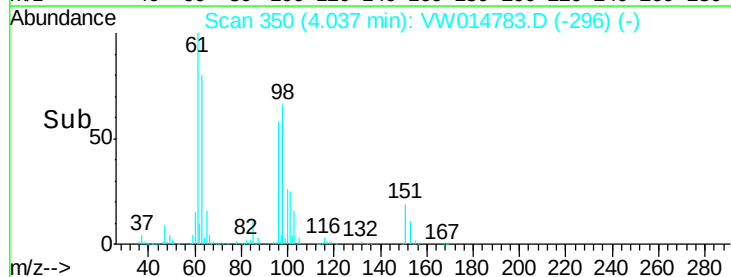
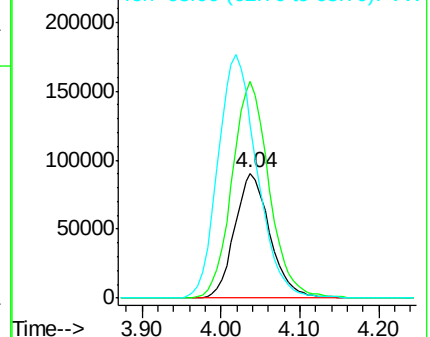
63 139.0 107.0 198.6

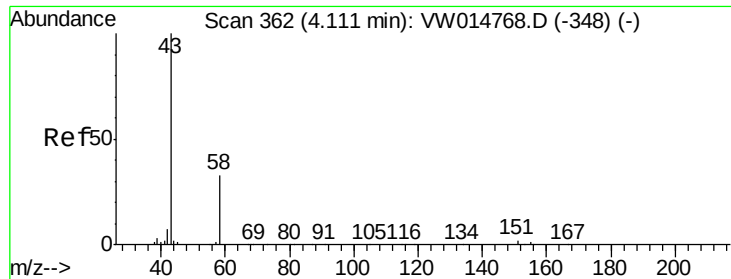


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 41.56 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.01 min

Lab File: VW014783.D

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MSVOA_W

ClientSampleId :

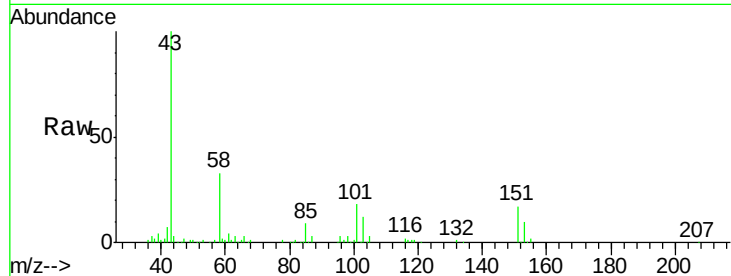
VSTD02526

Tgt Ion: 43 Resp: 187999

Ion Ratio Lower Upper

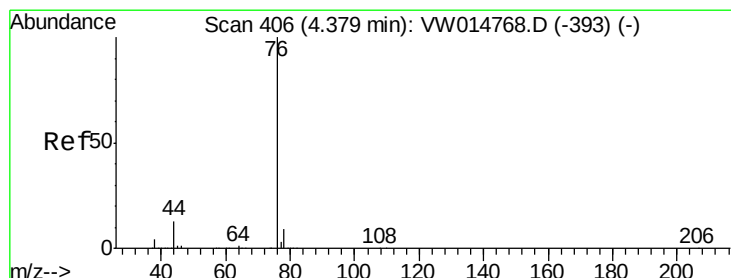
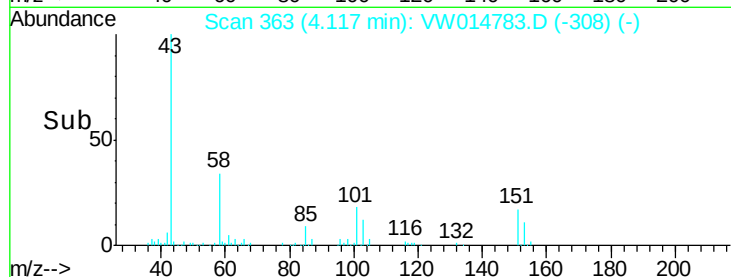
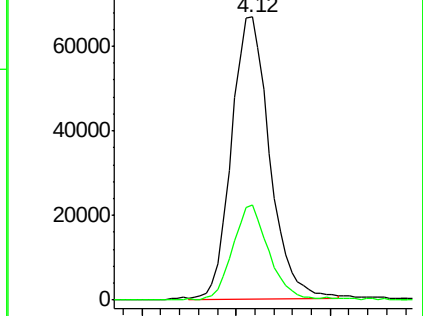
43 100

58 31.6 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 21.37 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW014783.D

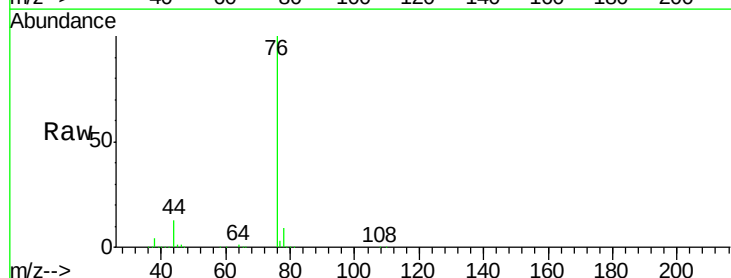
Acq: 28 Jan 2020 12:01

Tgt Ion: 76 Resp: 896685

Ion Ratio Lower Upper

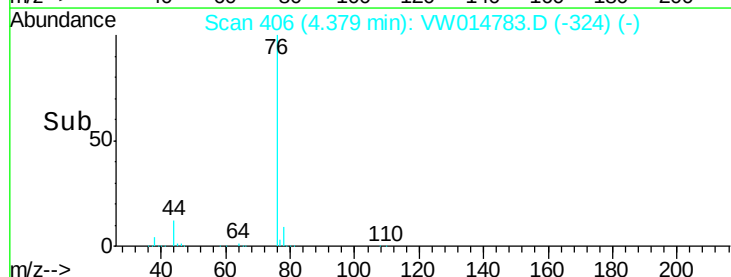
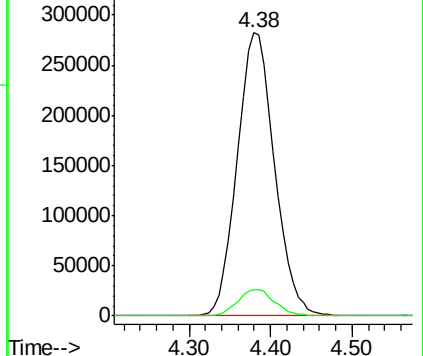
76 100

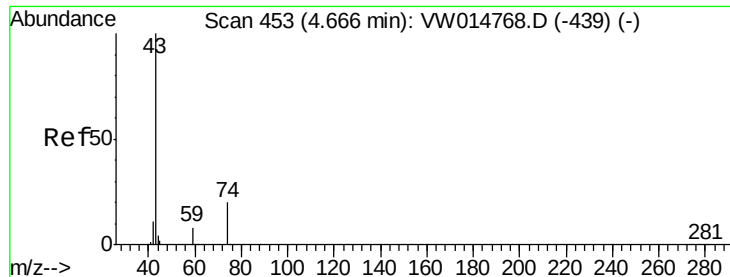
78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methyl Acetate

Concen: 21.71 ug/L

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW014783.D

Acq: 28 Jan 2020 12:01

Instrument :

MSVOA_W

ClientSampled :

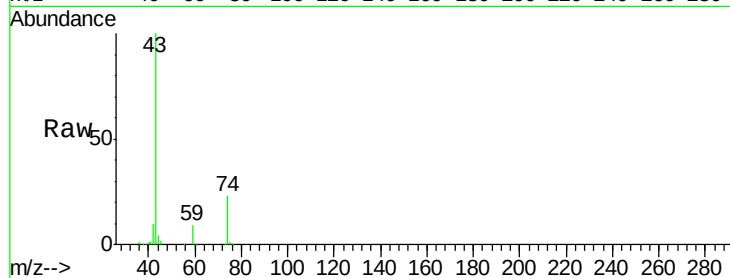
VSTD02526

Tgt Ion: 43 Resp: 146541

Ion Ratio Lower Upper

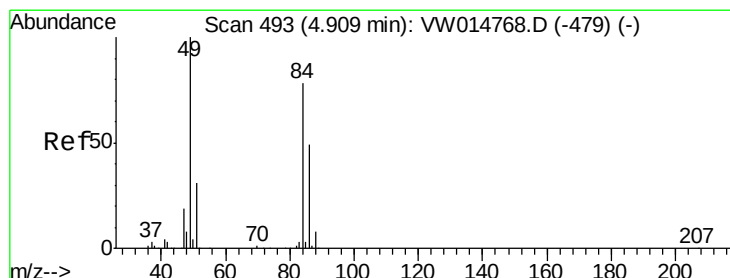
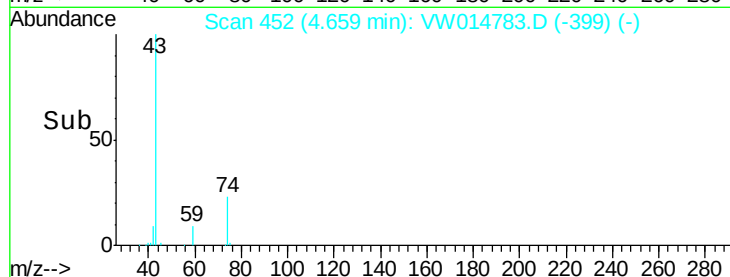
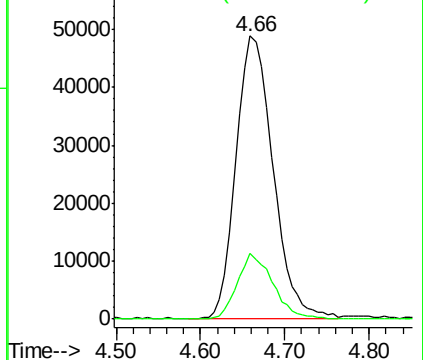
43 100

74 22.1 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 18.58 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.00 min

Lab File: VW014783.D

Acq: 28 Jan 2020 12:01

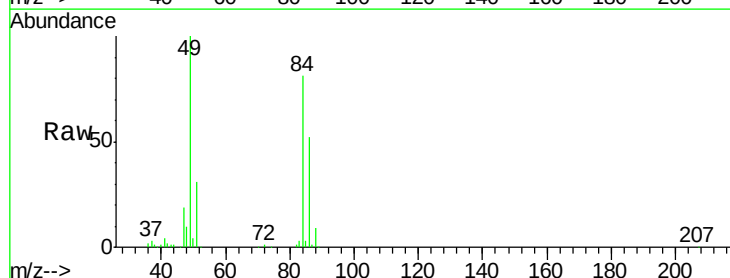
Tgt Ion: 84 Resp: 294928

Ion Ratio Lower Upper

84 100

49 123.4 90.9 168.7

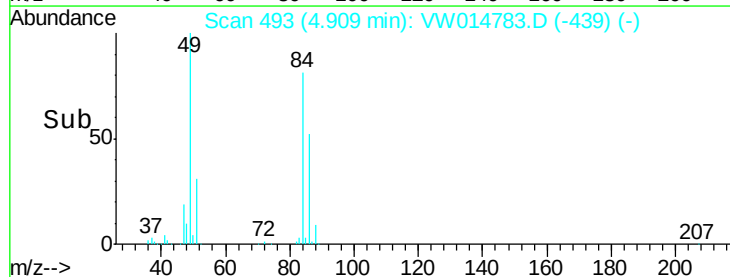
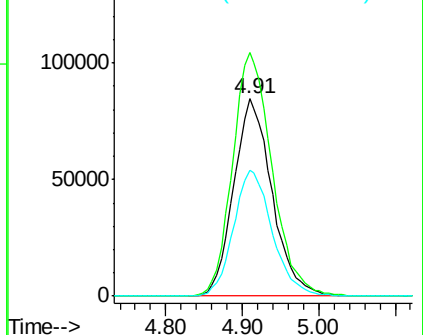
86 63.9 43.5 80.7

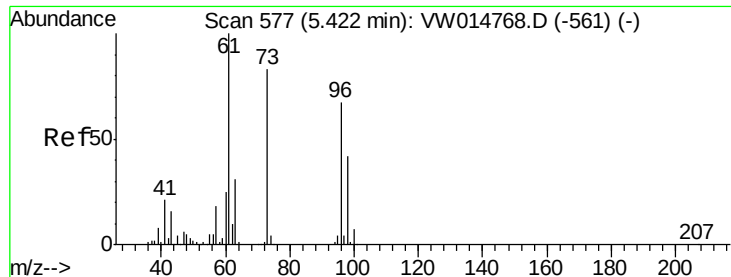


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

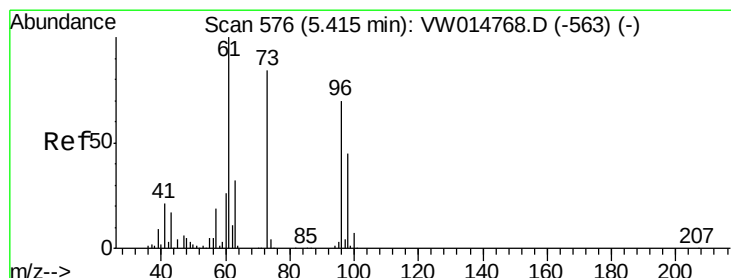
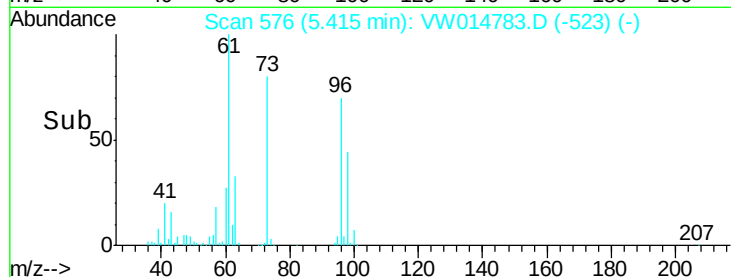
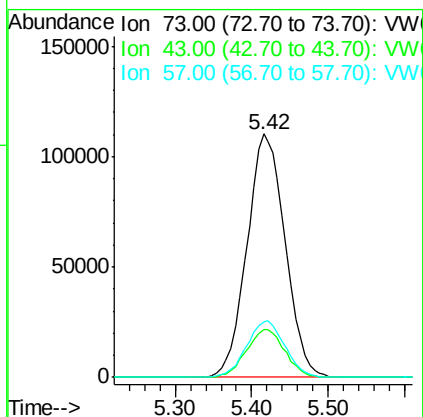
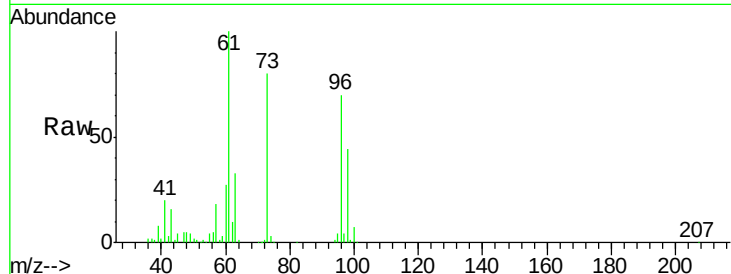




#17
Methyl tert-butyl Ether
Concen: 22.54 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014783.D
Acq: 28 Jan 2020 12:01

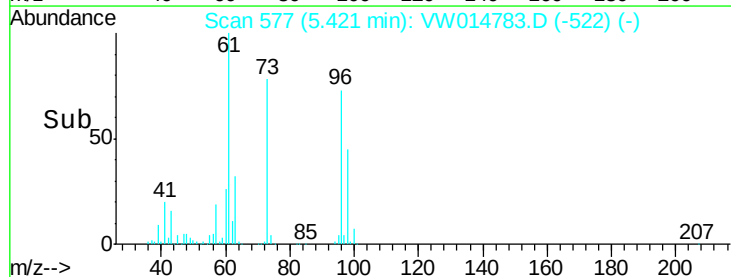
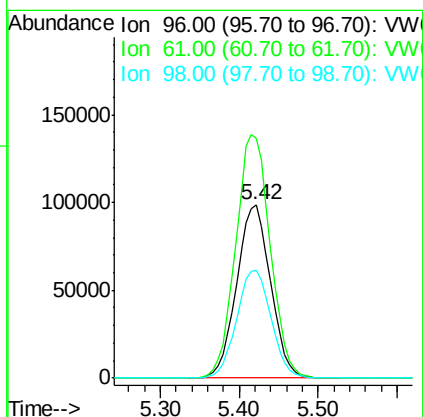
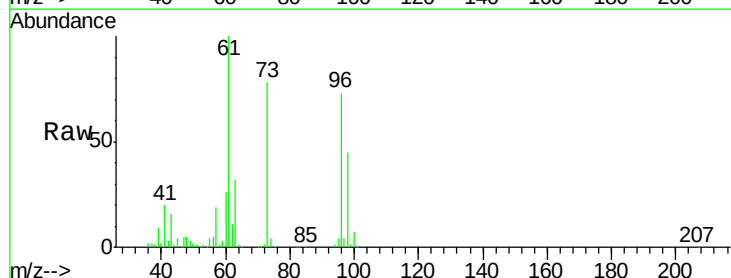
Instrument :
MSVOA_W
ClientSampled :
VSTD02526

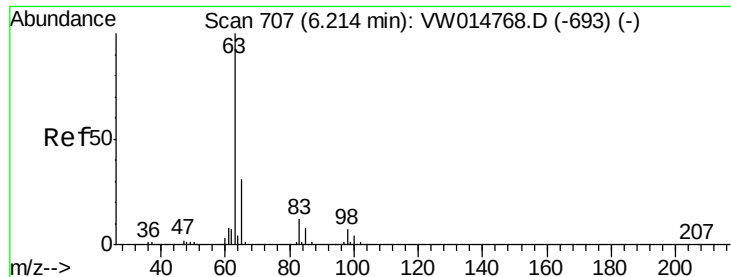
Tgt Ion: 73 Resp: 382003
Ion Ratio Lower Upper
73 100
43 19.7 16.2 24.4
57 23.3 19.1 28.7



#18
trans-1,2-Dichloroethene
Concen: 22.25 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW014783.D
Acq: 28 Jan 2020 12:01

Tgt Ion: 96 Resp: 294773
Ion Ratio Lower Upper
96 100
61 137.8 100.2 186.0
98 62.0 43.1 80.1

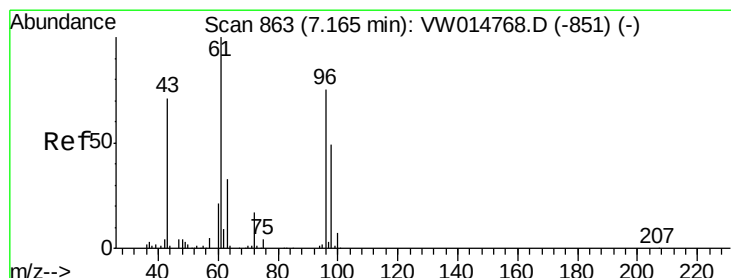
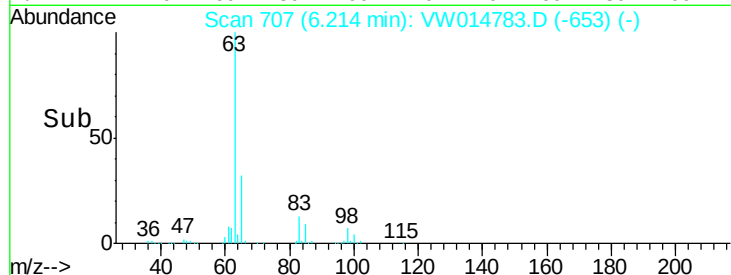
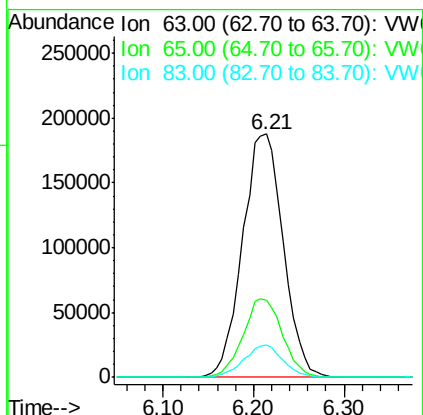
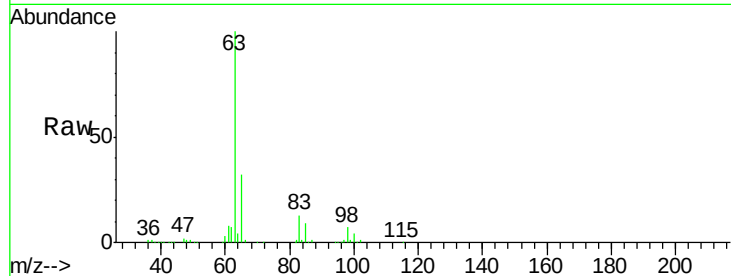




#19
 1,1-Dichloroethane
 Concen: 23.48 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW014783.D
 Acq: 28 Jan 2020 12:01

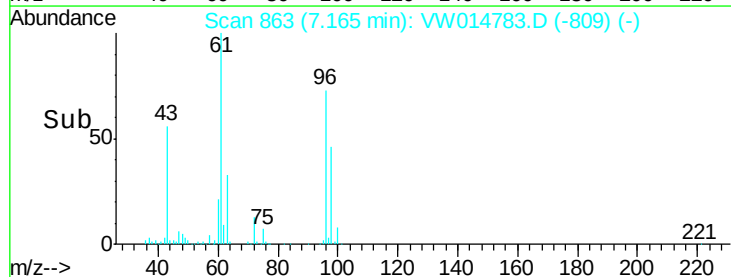
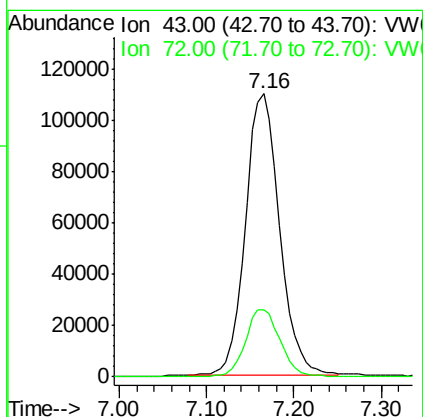
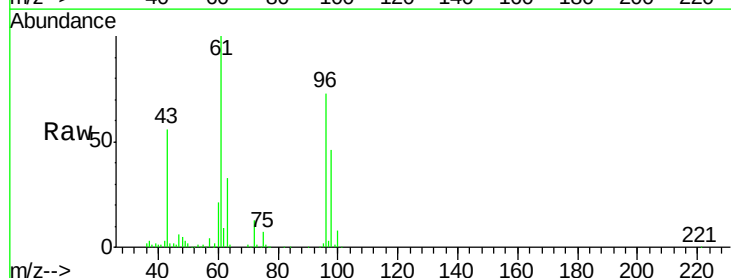
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

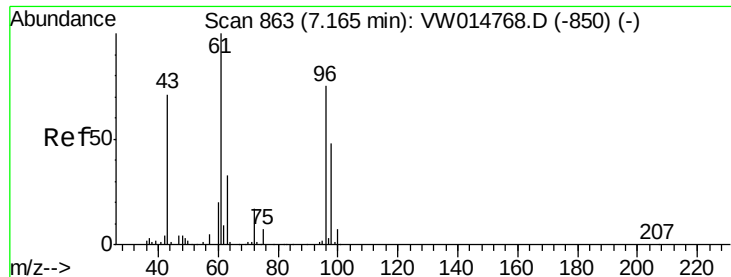
Tgt Ion: 63 Resp: 583334
 Ion Ratio Lower Upper
 63 100
 65 31.8 21.7 40.3
 83 13.4 8.8 16.4



#21
 2-Butanone
 Concen: 59.17 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW014783.D
 Acq: 28 Jan 2020 12:01

Tgt Ion: 43 Resp: 299690
 Ion Ratio Lower Upper
 43 100
 72 24.3 12.6 37.6





#22

cis-1,2-Dichloroethene

Concen: 26.79 ug/L

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW014783.D

Acq: 28 Jan 2020 12:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

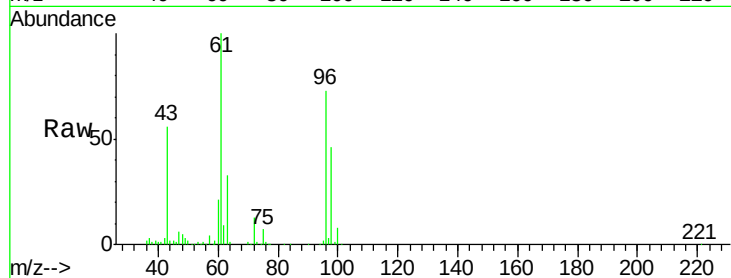
Tgt Ion: 96 Resp: 371520

Ion Ratio Lower Upper

96 100

61 137.3 94.1 174.7

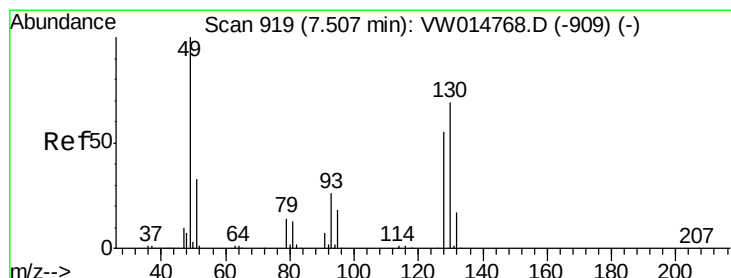
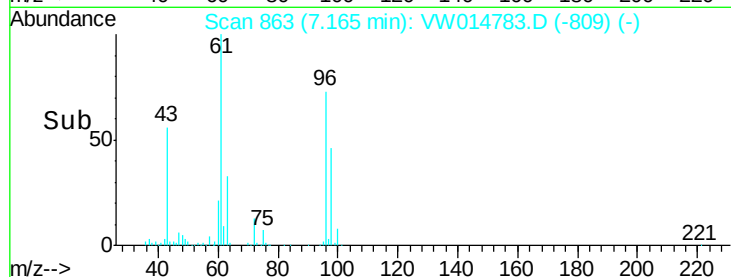
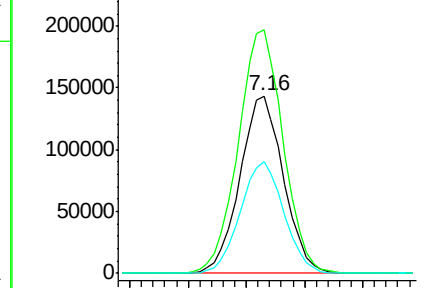
98 63.2 44.9 83.3



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: 23.66 ug/L

RT: 7.51 min Scan# 919

Delta R.T. -0.00 min

Lab File: VW014783.D

Acq: 28 Jan 2020 12:01

Tgt Ion: 128 Resp: 143362

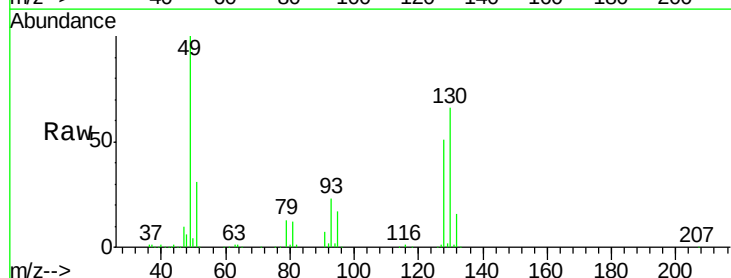
Ion Ratio Lower Upper

128 100

49 194.7 127.7 237.1

130 128.7 93.4 173.6

51 60.8 44.1 66.1

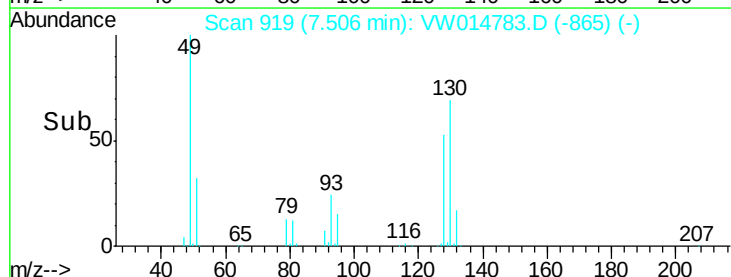
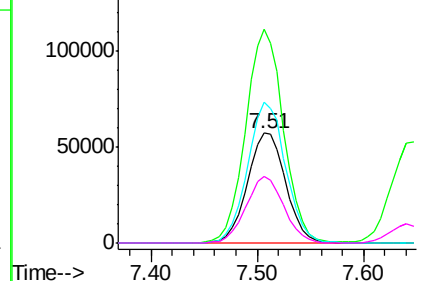


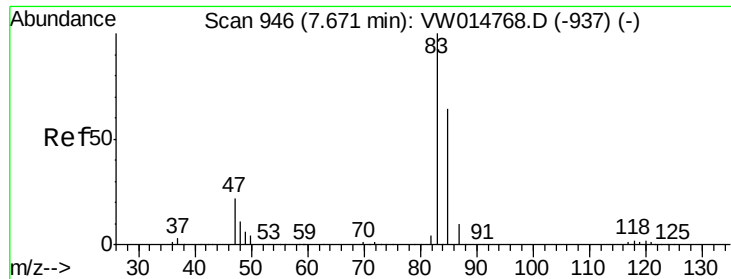
Abundance Ion 128.00 (127.70 to 128.70): V

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

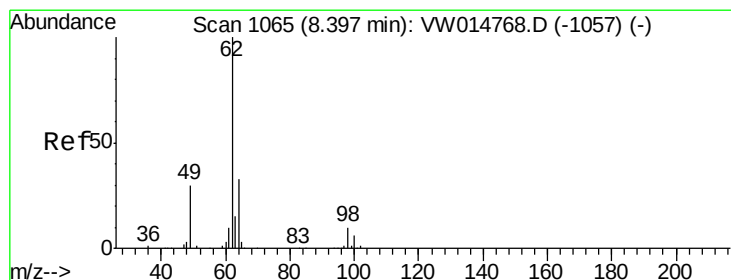
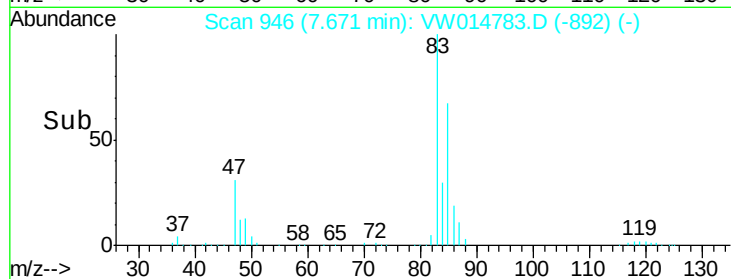
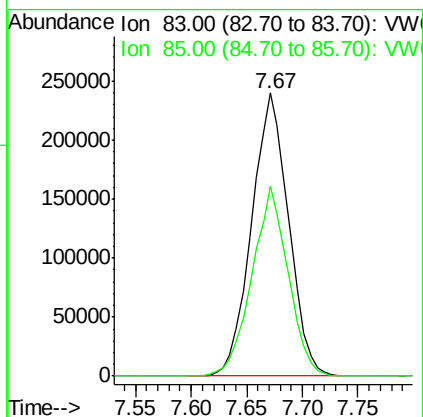
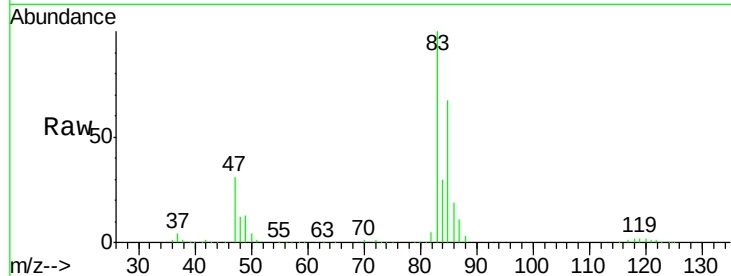




#25
Chloroform
Concen: 23.91 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW014783.D
Acq: 28 Jan 2020 12:01

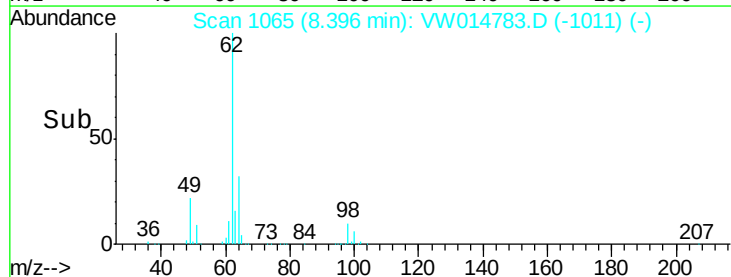
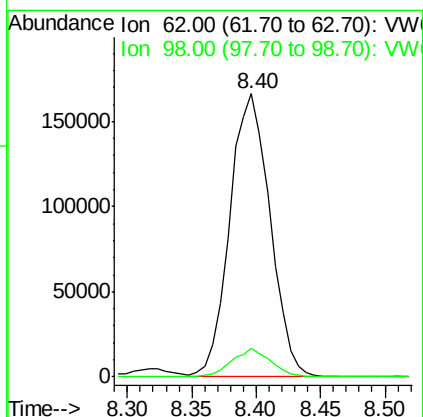
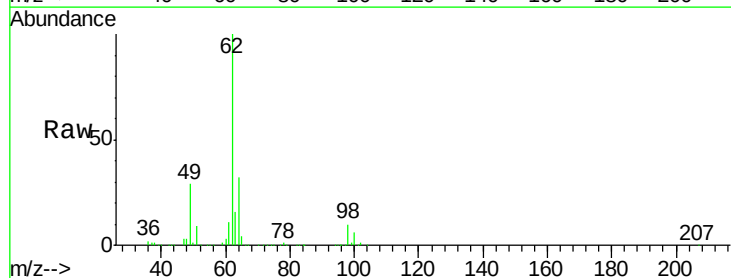
Instrument :
MSVOA_W
ClientSampled :
VSTD02526

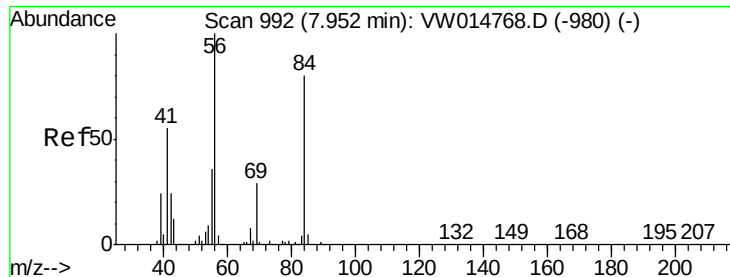
Tgt Ion: 83 Resp: 554249
Ion Ratio Lower Upper
83 100
85 65.9 46.0 85.4



#27
1,2-Dichloroethane
Concen: 23.63 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW014783.D
Acq: 28 Jan 2020 12:01

Tgt Ion: 62 Resp: 361788
Ion Ratio Lower Upper
62 100
98 10.0 7.5 11.3

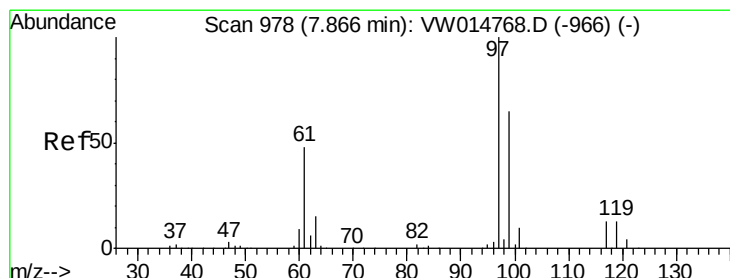
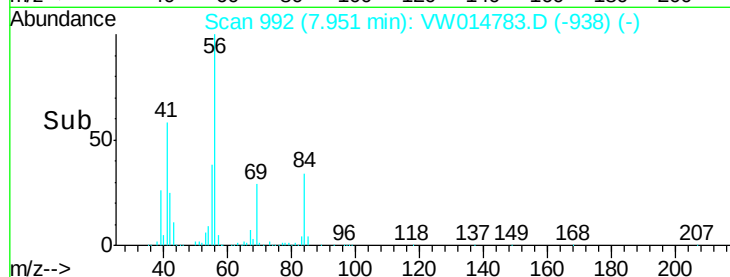
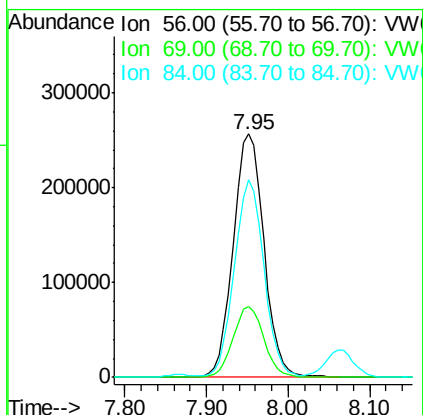
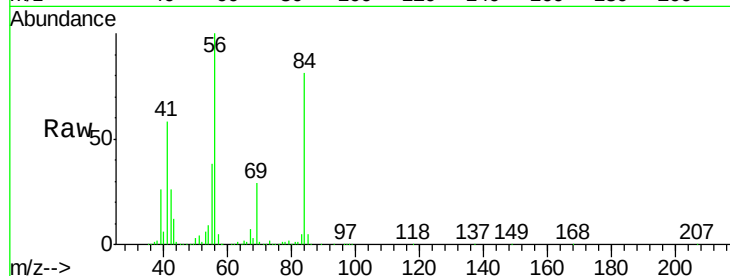




#30
Cyclohexane
Concen: 29.29 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW014783.D
Acq: 28 Jan 2020 12:01

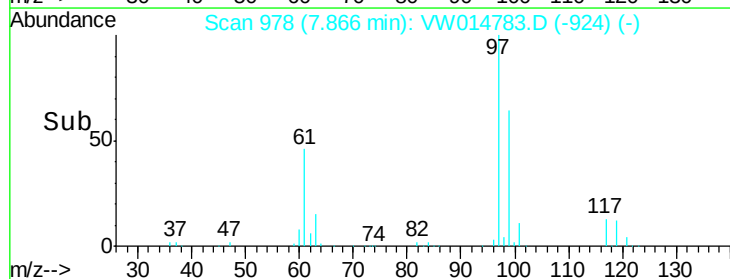
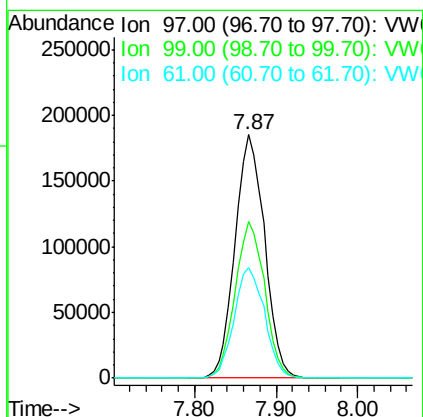
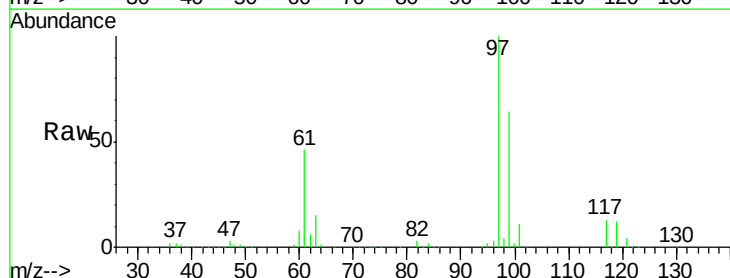
Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

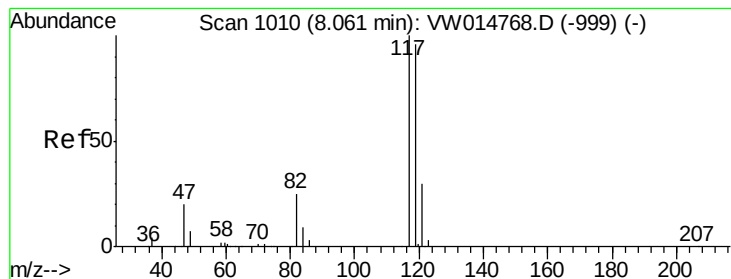
Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.8	35.6
84	78.4	64.8	97.2



#31
1,1,1-Trichloroethane
Concen: 25.53 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW014783.D
Acq: 28 Jan 2020 12:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.9	76.3
61	46.6	36.4	54.6





#32

Carbon tetrachloride

Concen: 25.30 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VW014783.D

Acq: 28 Jan 2020 12:01

Instrument :

MSVOA_W

ClientSampleId :

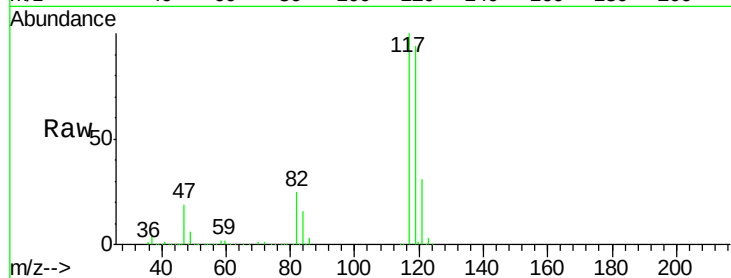
VSTD02526

Tgt Ion:117 Resp: 432855

Ion Ratio Lower Upper

117 100

119 96.2 76.6 115.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

200000

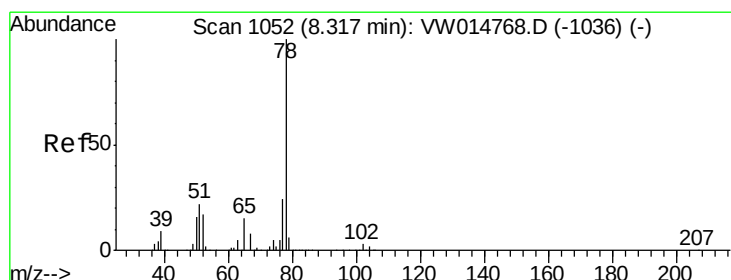
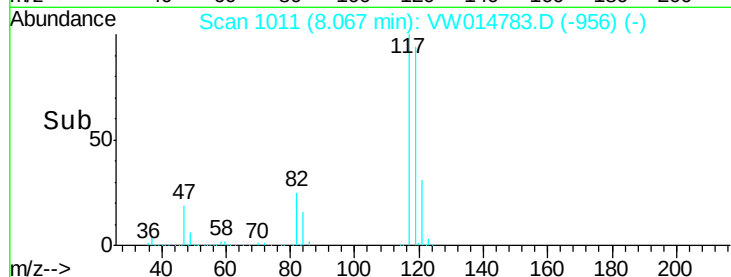
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 23.97 ug/L

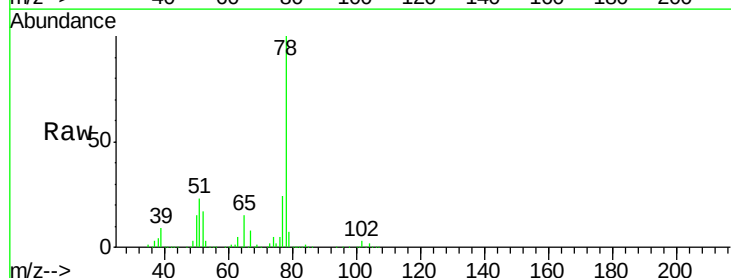
RT: 8.32 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VW014783.D

Acq: 28 Jan 2020 12:01

Tgt Ion: 78 Resp: 1283379



Abundance Ion 78.00 (77.70 to 78.70): VW

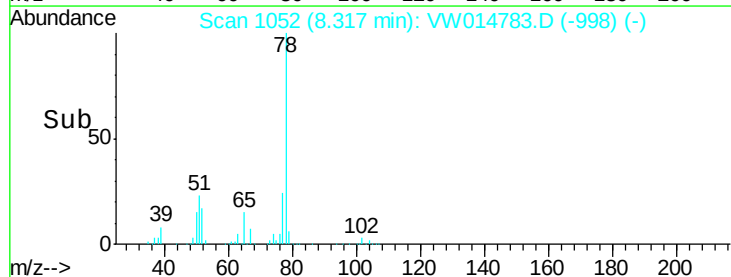
600000

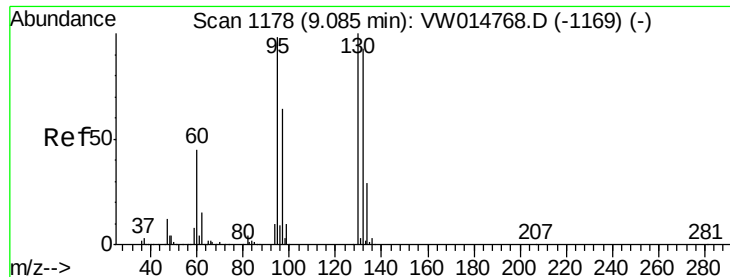
400000

200000

0

Time-->





#35

Trichloroethene

Concen: 25.86 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VW014783.D

Acq: 28 Jan 2020 12:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

Tgt Ion: 95 Resp: 351749

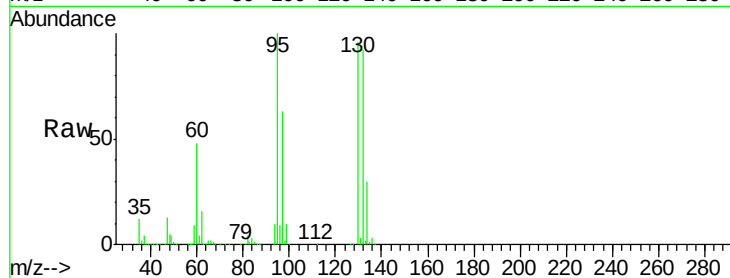
Ion Ratio Lower Upper

95 100

97 63.4 44.3 82.3

132 93.1 67.1 124.7

130 98.4 69.9 129.7

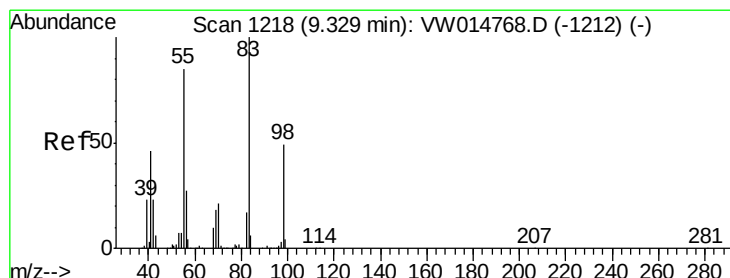
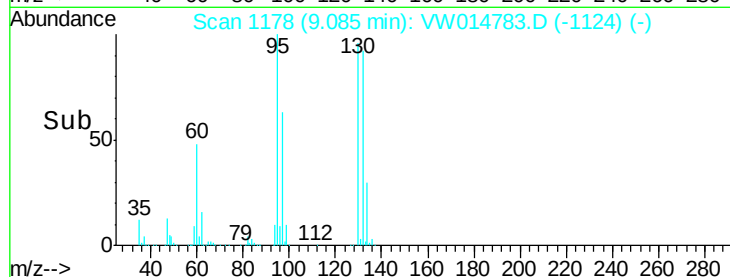
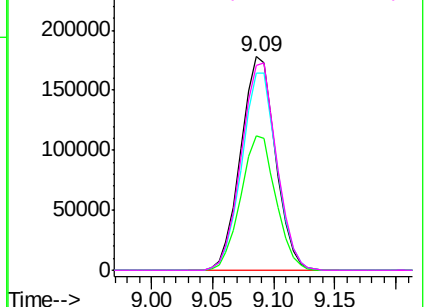


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 26.00 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VW014783.D

Acq: 28 Jan 2020 12:01

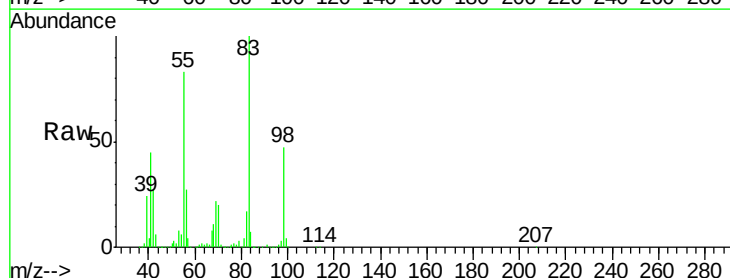
Tgt Ion: 83 Resp: 615446

Ion Ratio Lower Upper

83 100

55 82.1 65.6 98.4

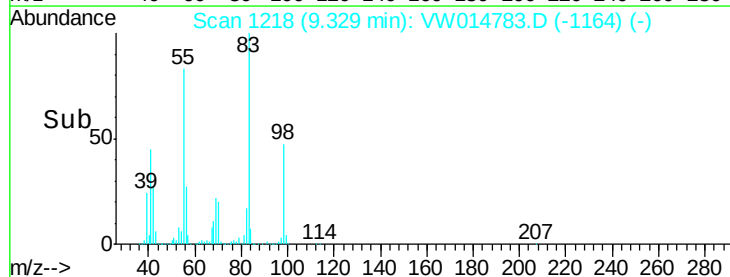
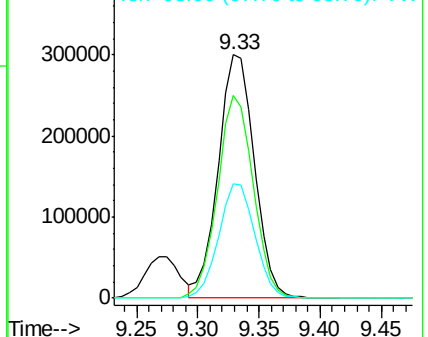
98 47.0 38.0 57.0

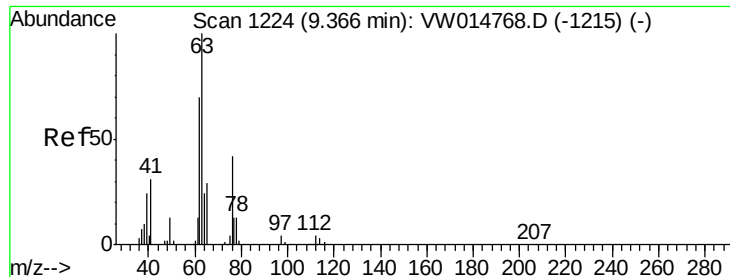


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 24.83 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW014783.D

Acq: 28 Jan 2020 12:01

Instrument :

MSVOA_W

ClientSampleId :

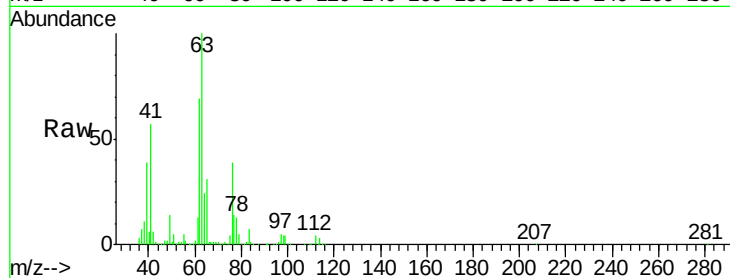
VSTD02526

Tgt Ion: 63 Resp: 337118

Ion Ratio Lower Upper

63 100

112 4.2 3.6 5.4



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V

200000

150000

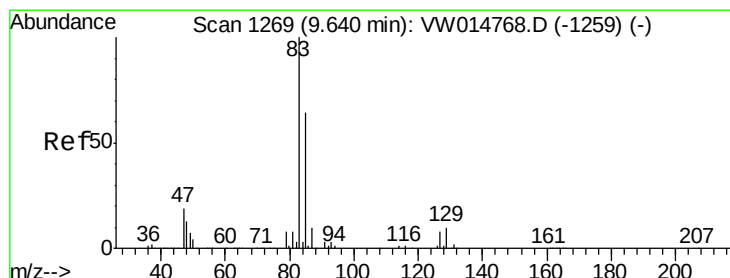
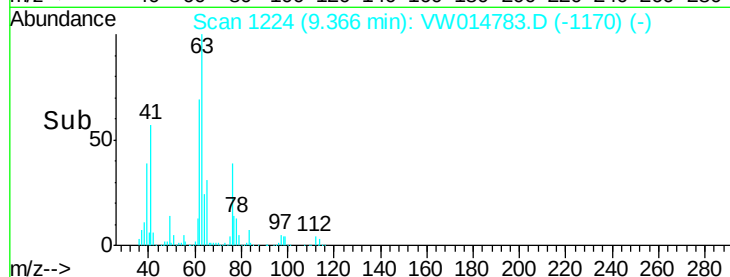
100000

50000

0

9.30 9.35 9.40 9.45

Time-->



#41

Bromodichloromethane

Concen: 24.25 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW014783.D

Acq: 28 Jan 2020 12:01

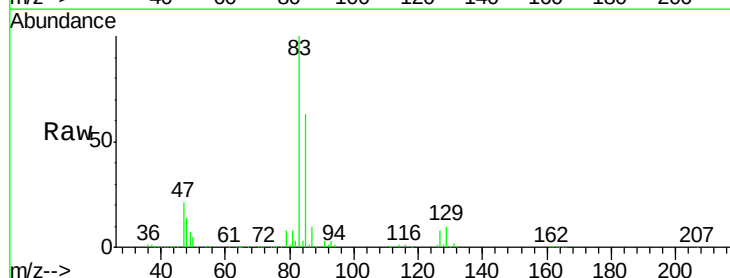
Tgt Ion: 83 Resp: 393378

Ion Ratio Lower Upper

83 100

85 63.1 45.7 84.9

127 8.0 6.5 9.7



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

250000

200000

150000

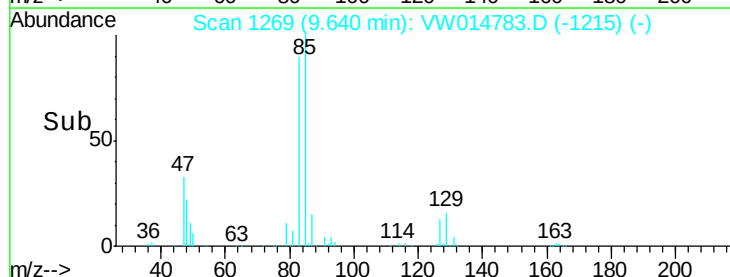
100000

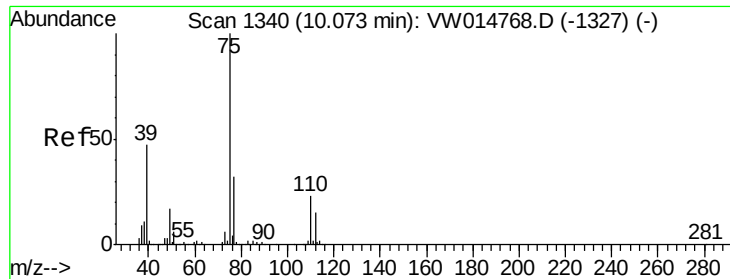
50000

0

9.55 9.60 9.65 9.70

Time-->





#42

cis-1,3-Dichloropropene

Concen: 27.20 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW014783.D

Acq: 28 Jan 2020 12:01

Instrument :

MSVOA_W

ClientSampleId :

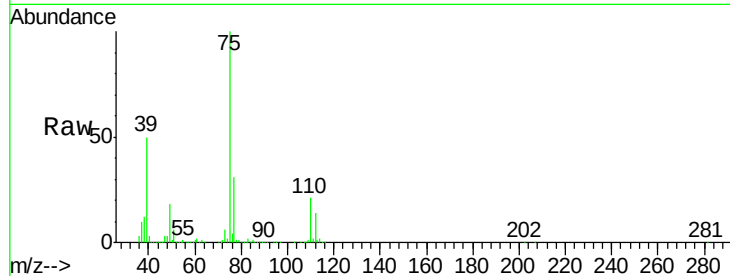
VSTD02526

Tgt Ion: 75 Resp: 539336

Ion Ratio Lower Upper

75 100

77 30.8 22.3 41.3



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

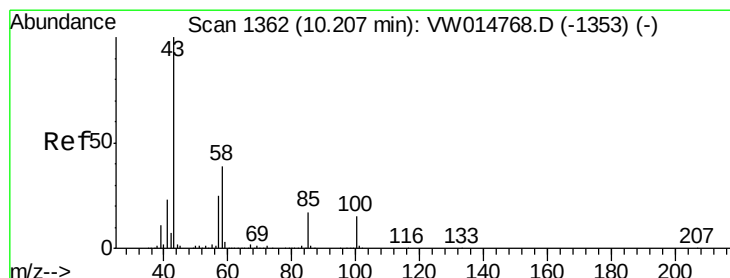
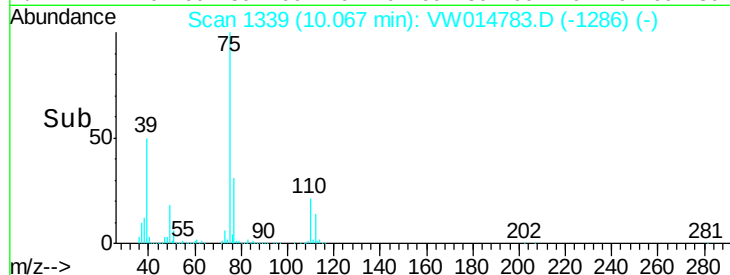
300000

200000

100000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 50.53 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW014783.D

Acq: 28 Jan 2020 12:01

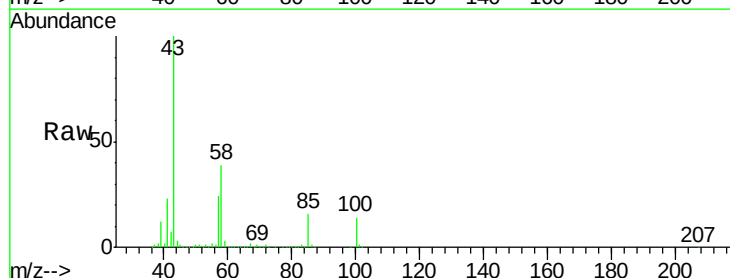
Tgt Ion: 43 Resp: 451032

Ion Ratio Lower Upper

43 100

58 38.8 30.9 46.3

100 14.1 11.8 17.6



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

600000

500000

400000

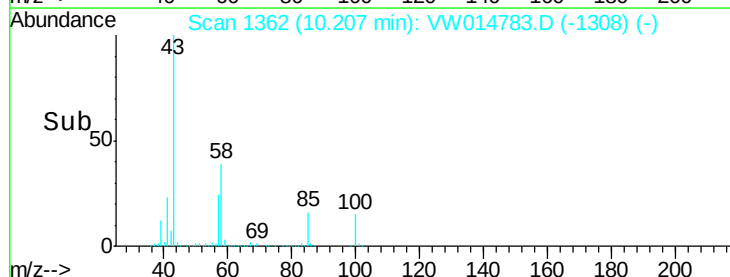
300000

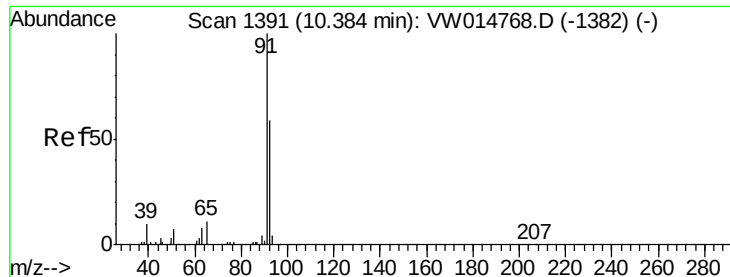
200000

100000

0

Time-->





#44

Toluene

Concen: 26.53 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014783.D

Acq: 28 Jan 2020 12:01

Instrument :

MSVOA_W

ClientSampleId :

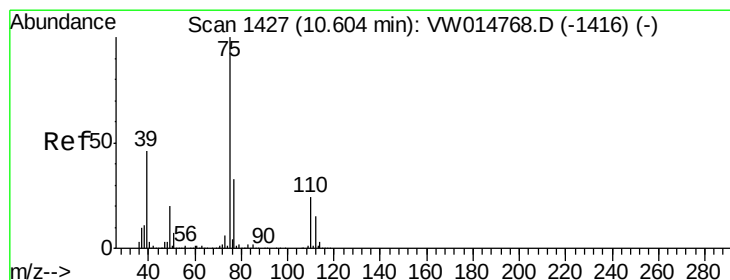
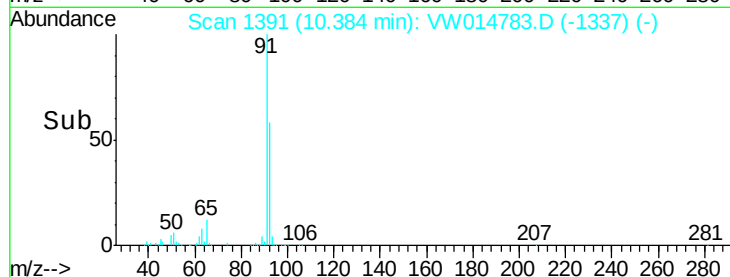
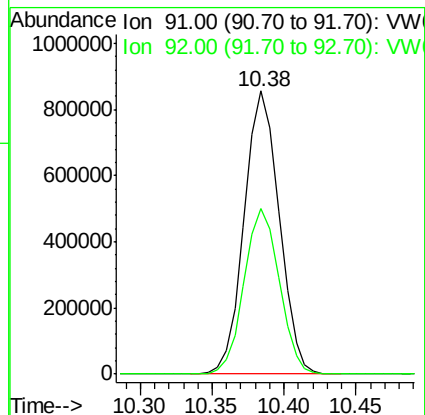
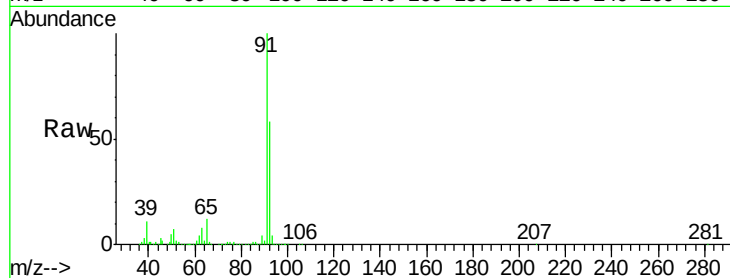
VSTD02526

Tgt Ion: 91 Resp: 1443747

Ion Ratio Lower Upper

91 100

92 58.3 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 25.12 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014783.D

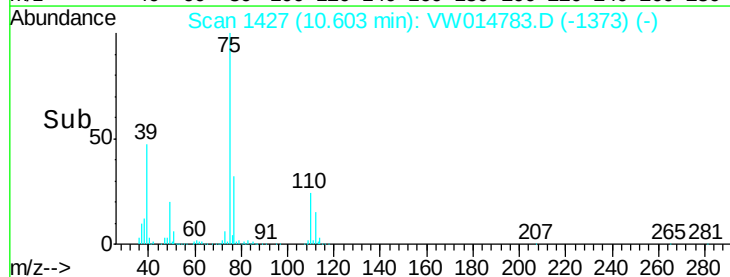
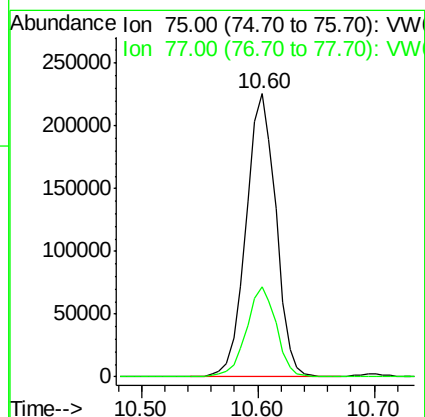
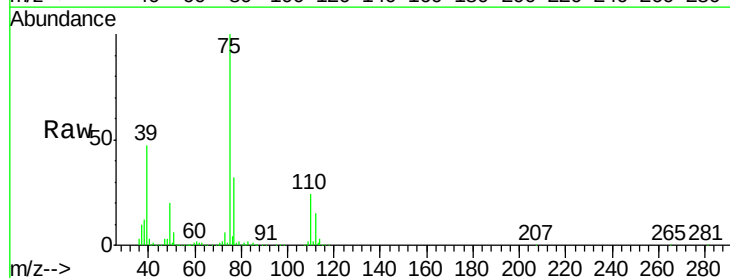
Acq: 28 Jan 2020 12:01

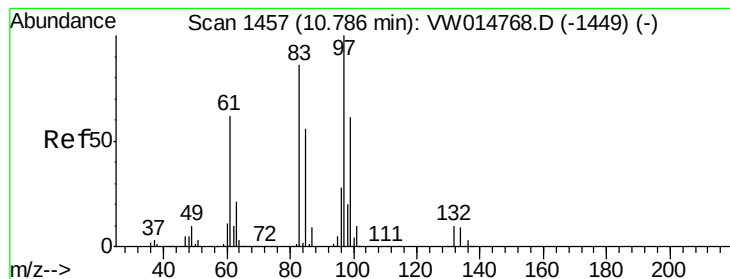
Tgt Ion: 75 Resp: 404326

Ion Ratio Lower Upper

75 100

77 31.6 21.6 40.0





#46

1,1,2-Trichloroethane

Concen: 26.18 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW014783.D

Acq: 28 Jan 2020 12:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

Tgt Ion: 97 Resp: 242581

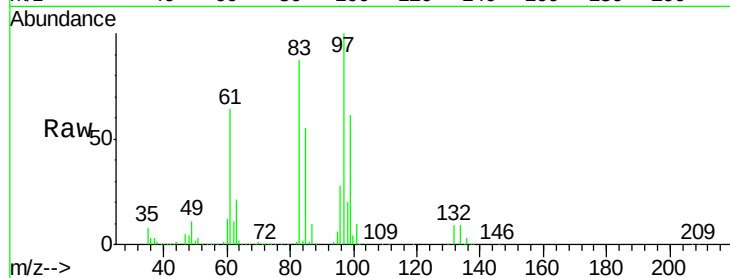
Ion Ratio Lower Upper

97 100

83 86.9 60.9 113.1

85 54.5 39.2 72.8

99 61.2 43.0 80.0

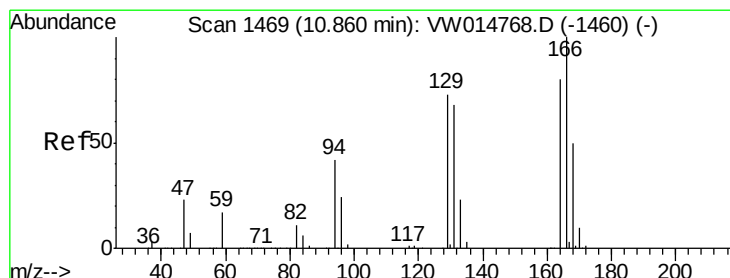
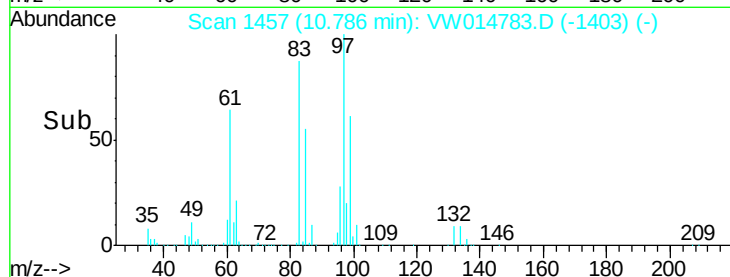
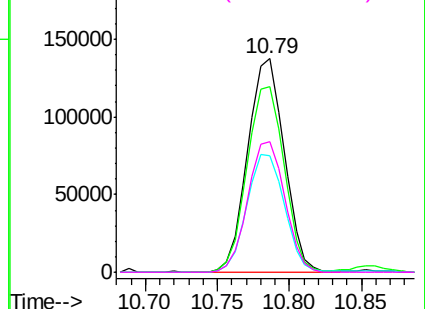


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 25.30 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW014783.D

Acq: 28 Jan 2020 12:01

Tgt Ion: 164 Resp: 275046

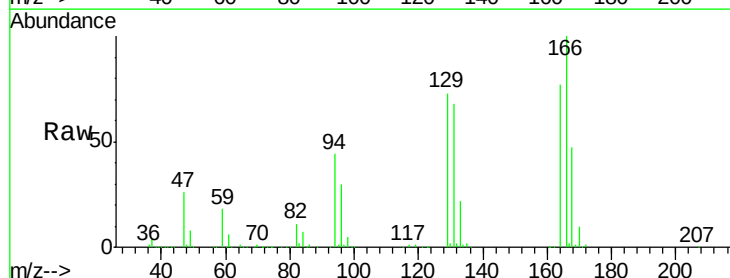
Ion Ratio Lower Upper

164 100

129 94.7 64.4 119.6

131 89.4 61.2 113.6

166 130.6 88.8 165.0

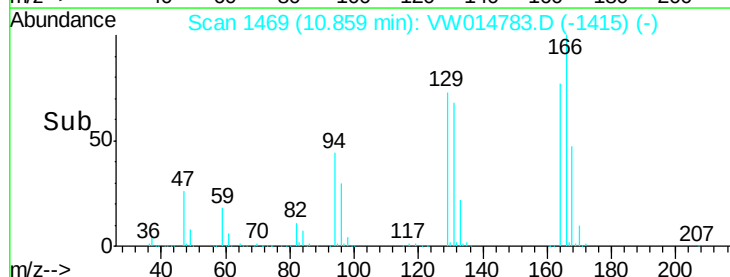
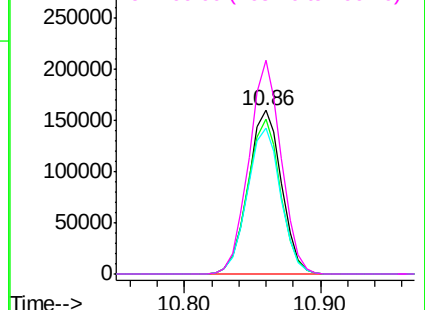


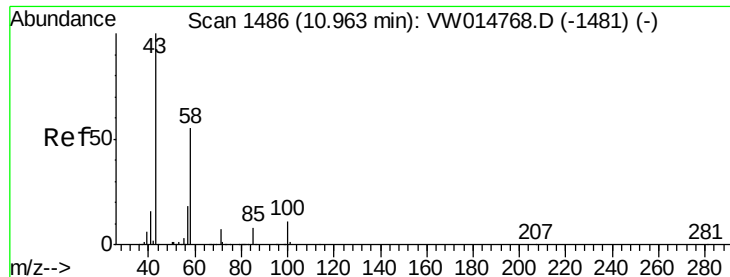
Abundance Ion 164.00 (163.70 to 164.70): V

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

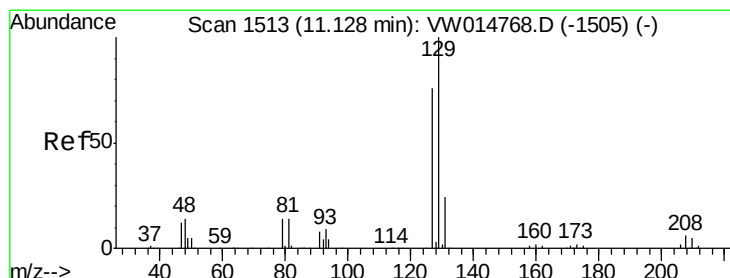
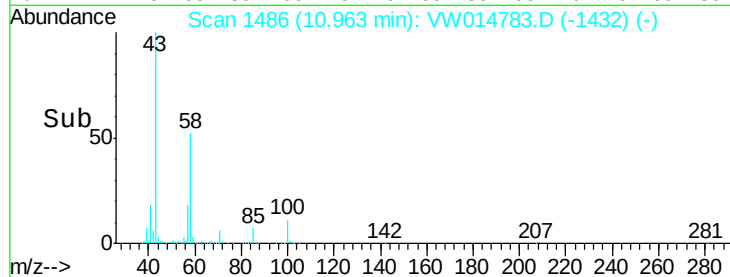
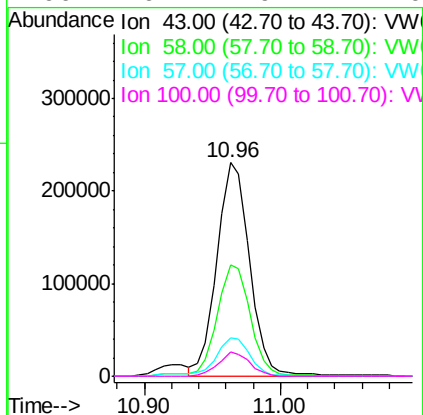
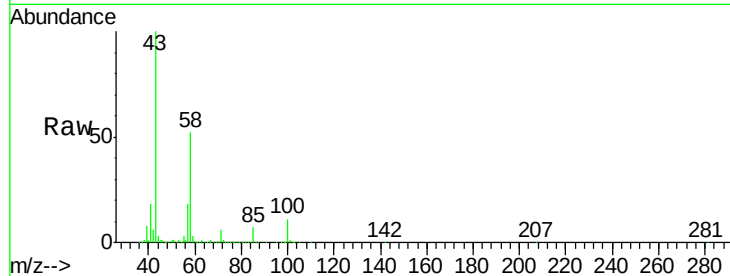




#49
2-Hexanone
Concen: 60.06 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW014783.D
Acq: 28 Jan 2020 12:01

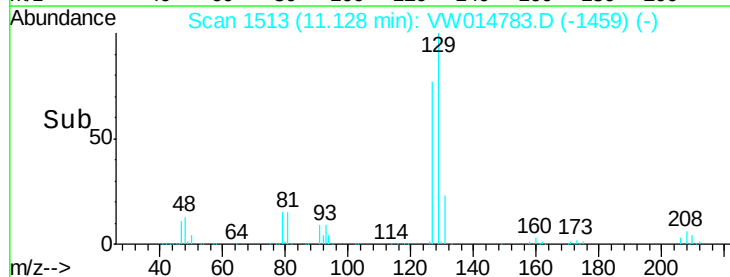
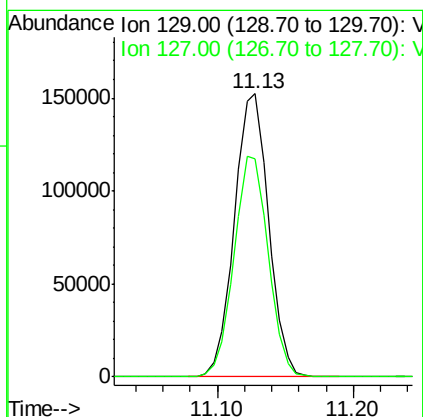
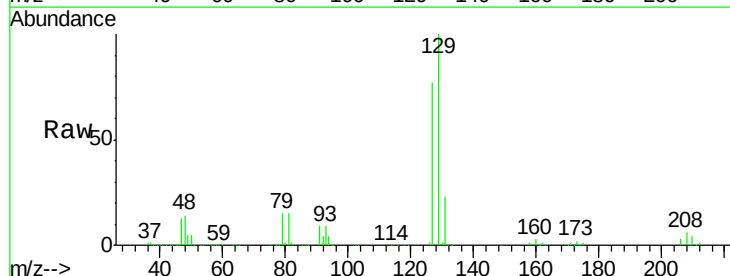
Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

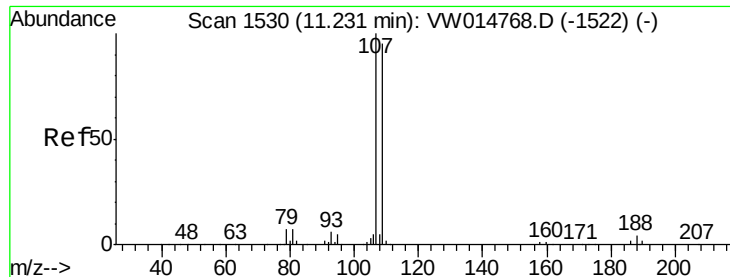
Tgt Ion: 43 Resp: 385457
Ion Ratio Lower Upper
43 100
58 51.4 43.2 64.8
57 18.1 14.7 22.1
100 10.7 9.4 14.0



#50
Dibromochloromethane
Concen: 25.32 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014783.D
Acq: 28 Jan 2020 12:01

Tgt Ion: 129 Resp: 267673
Ion Ratio Lower Upper
129 100
127 77.1 55.7 103.5





#51

1,2-Dibromoethane

Concen: 24.83 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW014783.D

Acq: 28 Jan 2020 12:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

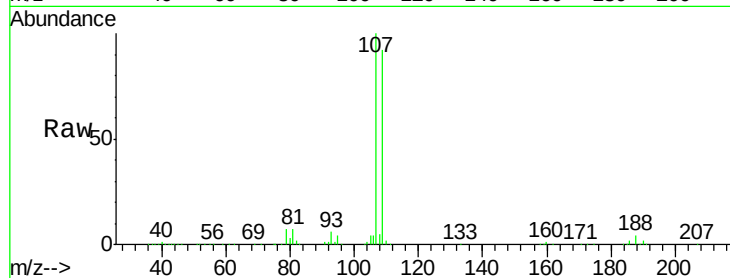
Tgt Ion:107 Resp: 221352

Ion Ratio Lower Upper

107 100

109 92.3 66.6 123.8

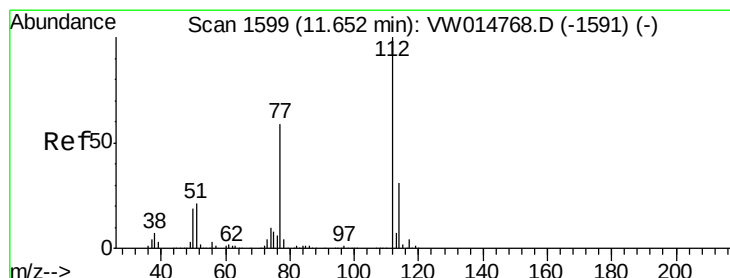
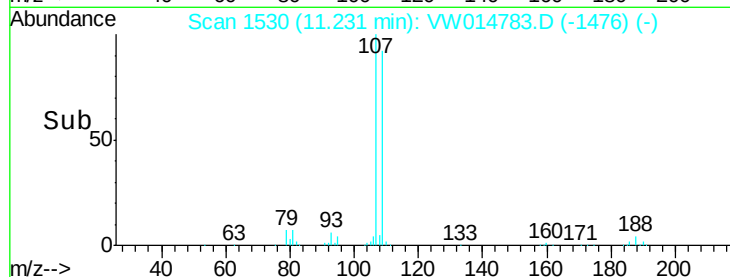
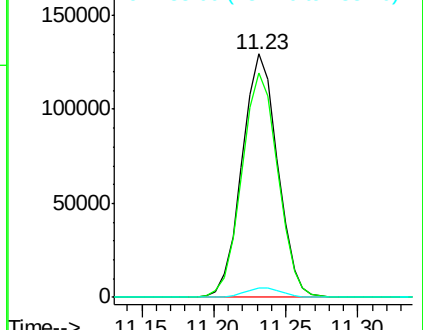
188 4.0 3.0 4.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 24.54 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VW014783.D

Acq: 28 Jan 2020 12:01

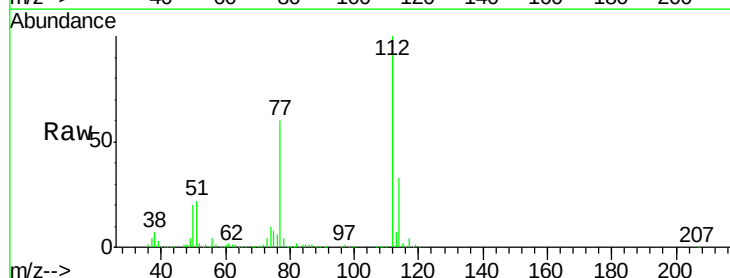
Tgt Ion:112 Resp: 833838

Ion Ratio Lower Upper

112 100

77 60.4 49.2 73.8

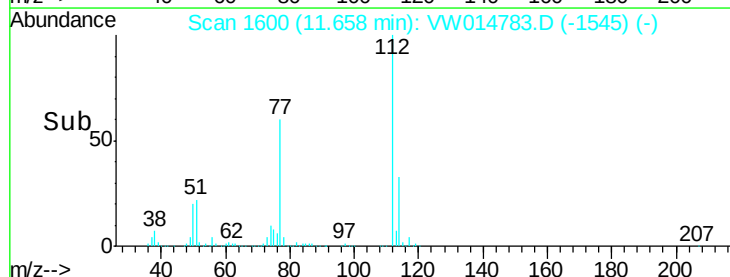
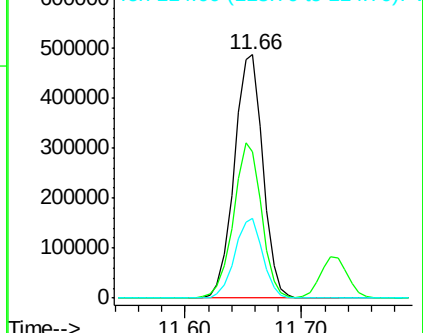
114 32.9 22.5 41.7

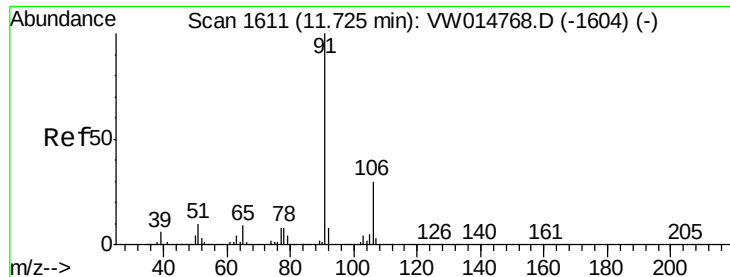


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 25.12 ug/L

RT: 11.73 min Scan# 1611

Delta R.T. -0.00 min

Lab File: VW014783.D

Acq: 28 Jan 2020 12:01

Instrument :

MSVOA_W

ClientSampleId :

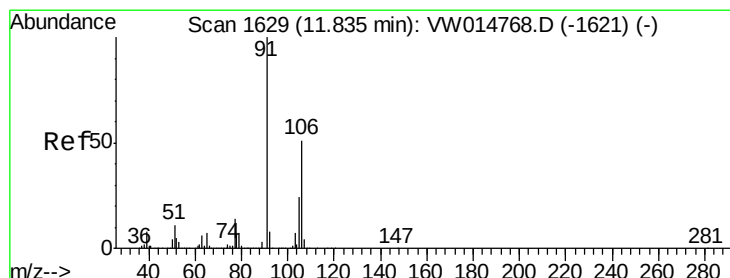
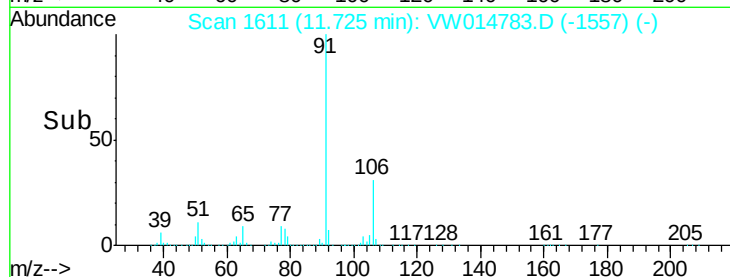
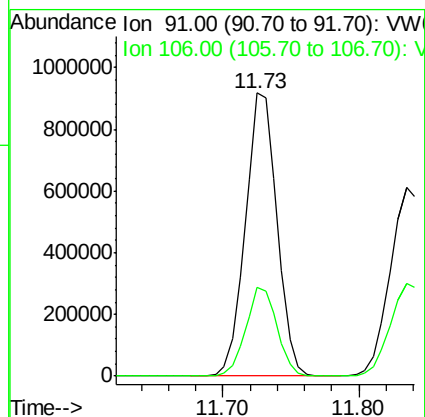
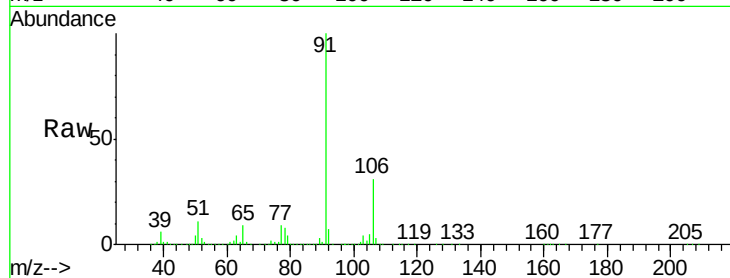
VSTD02526

Tgt Ion: 91 Resp: 1493936

Ion Ratio Lower Upper

91 100

106 31.2 21.1 39.3



#54

m,p-Xylene

Concen: 25.45 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VW014783.D

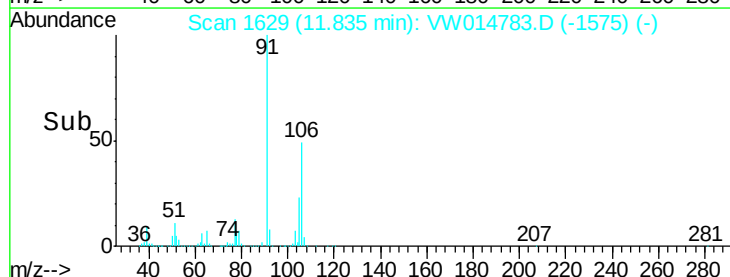
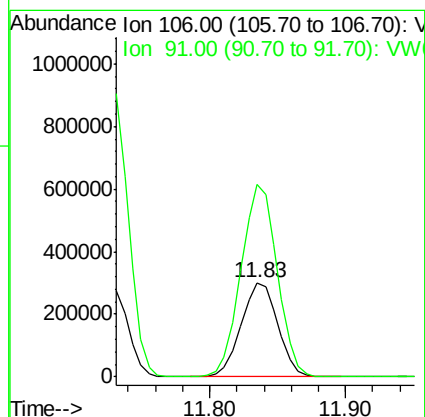
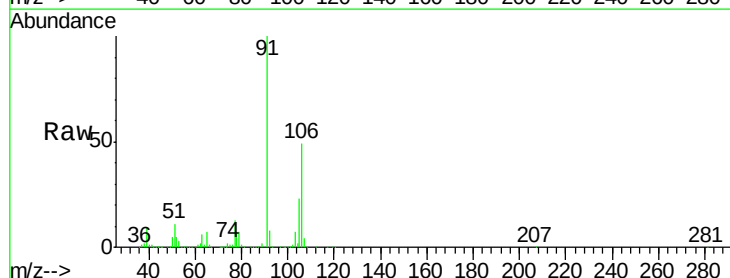
Acq: 28 Jan 2020 12:01

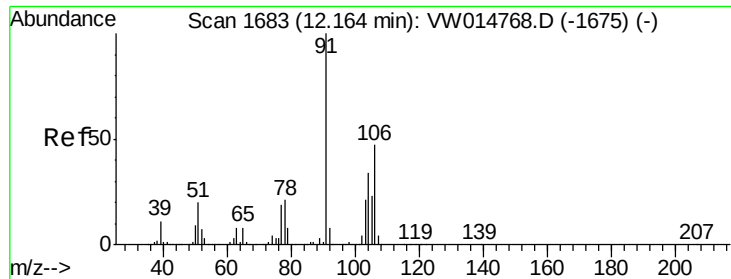
Tgt Ion: 106 Resp: 565804

Ion Ratio Lower Upper

106 100

91 203.0 146.2 271.6

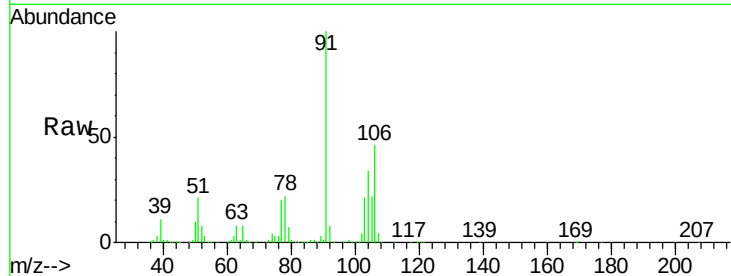




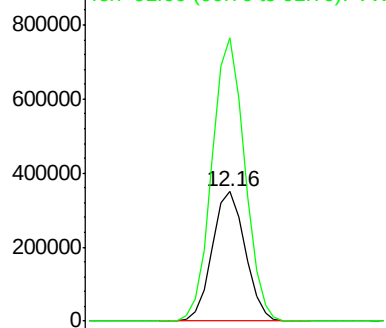
#55
o-xylene
Concen: 26.64 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014783.D
Acq: 28 Jan 2020 12:01

Instrument :
MSVOA_W
ClientSampled :
VSTD02526

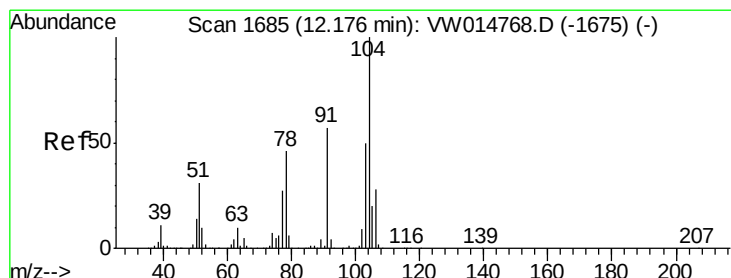
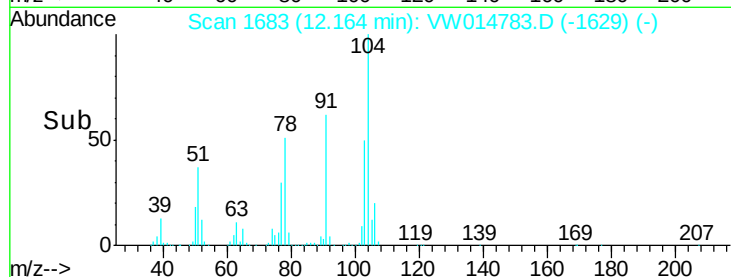
Tgt Ion:106 Resp: 555564
Ion Ratio Lower Upper
106 100
91 218.8 148.7 276.1



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

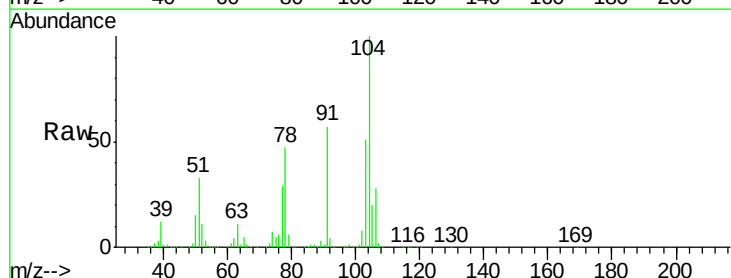


Time-->

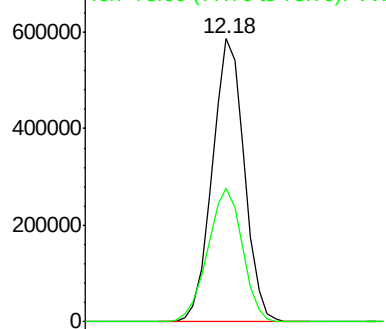


#56
Styrene
Concen: 27.18 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW014783.D
Acq: 28 Jan 2020 12:01

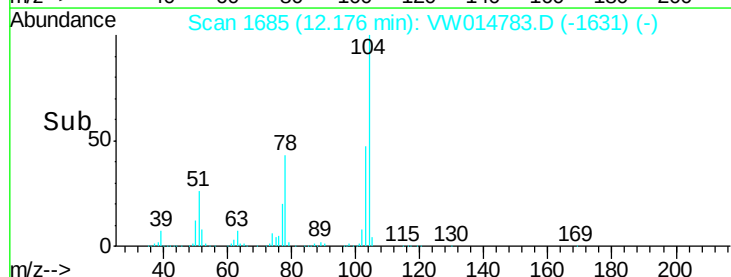
Tgt Ion:104 Resp: 961500
Ion Ratio Lower Upper
104 100
78 47.4 32.0 59.4

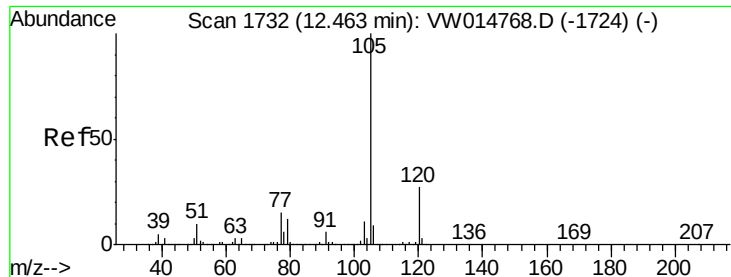


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW



Time-->





#57

Isopropylbenzene

Concen: 25.86 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014783.D

Acq: 28 Jan 2020 12:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

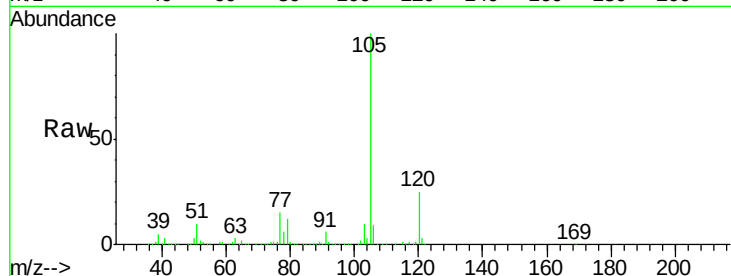
Tgt Ion:105 Resp: 1460624

Ion Ratio Lower Upper

105 100

120 25.9 21.1 31.7

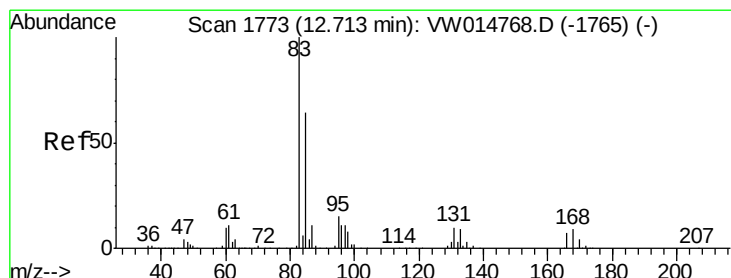
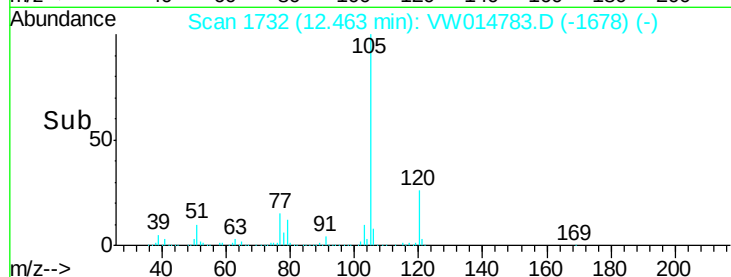
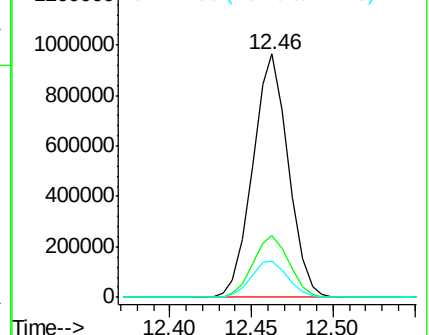
77 15.5 13.0 19.4



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: 23.76 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014783.D

Acq: 28 Jan 2020 12:01

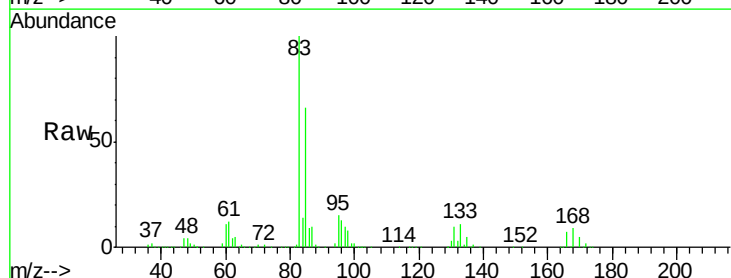
Tgt Ion: 83 Resp: 283638

Ion Ratio Lower Upper

83 100

85 66.5 45.0 83.6

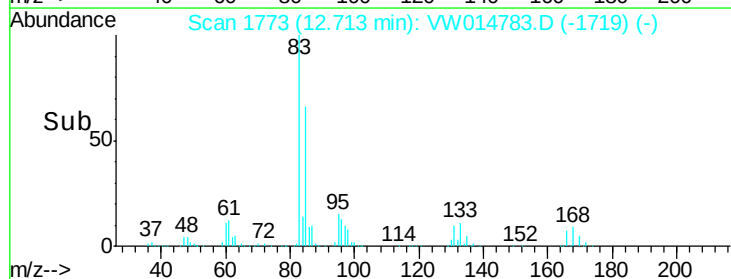
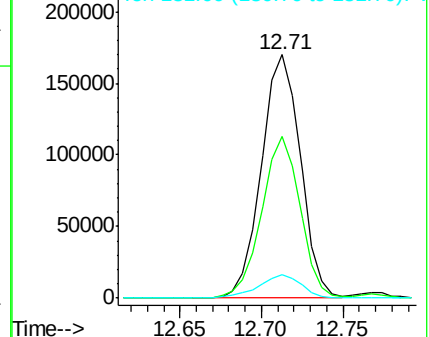
131 9.6 7.6 11.4

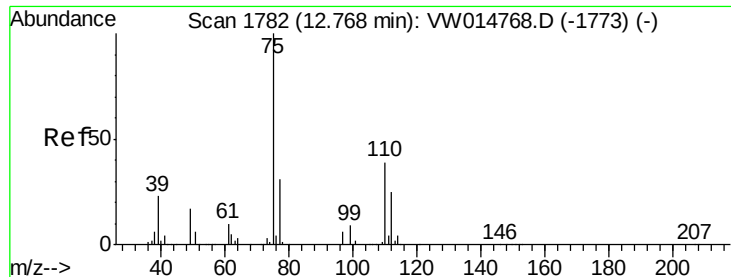


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

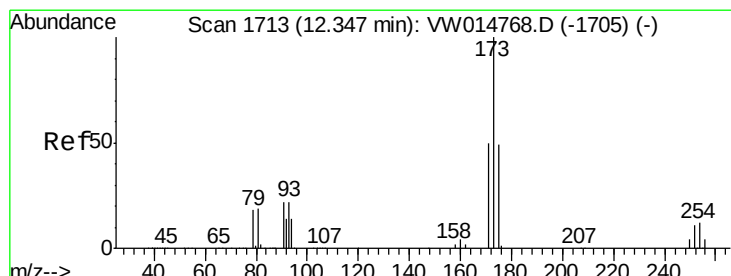
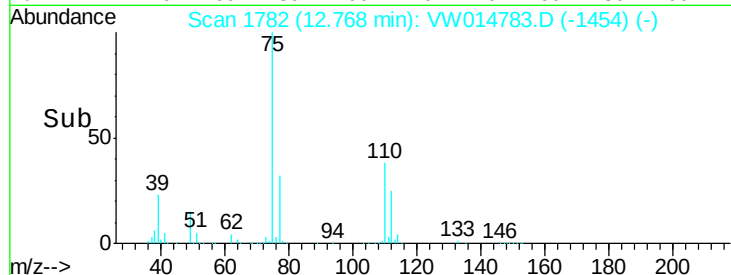
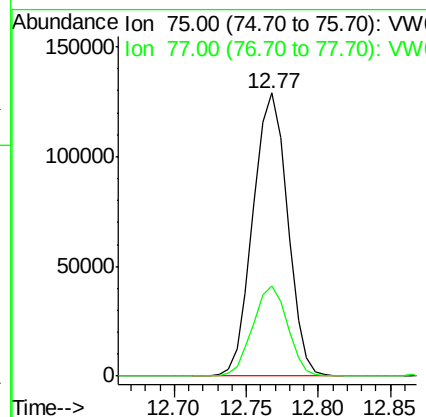
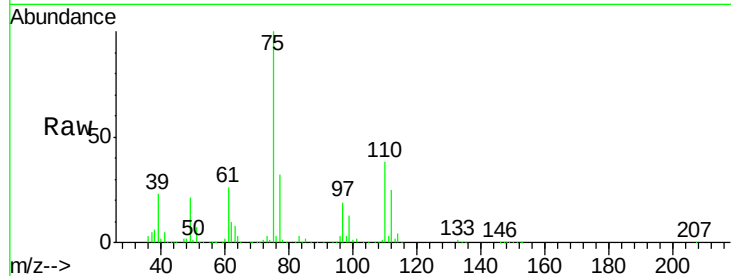




#59
 1,2,3-Trichloropropane
 Concen: 23.82 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW014783.D
 Acq: 28 Jan 2020 12:01

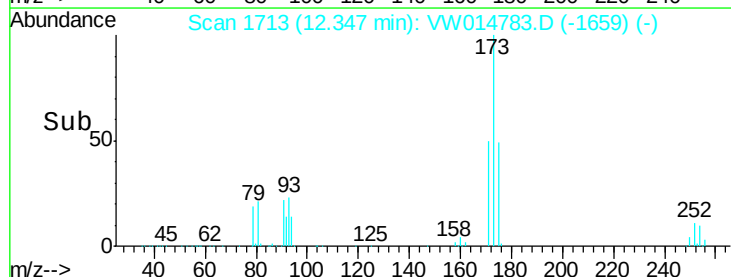
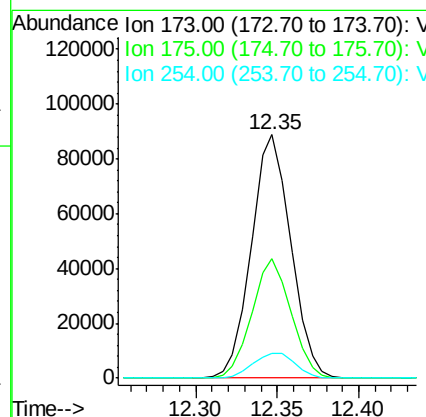
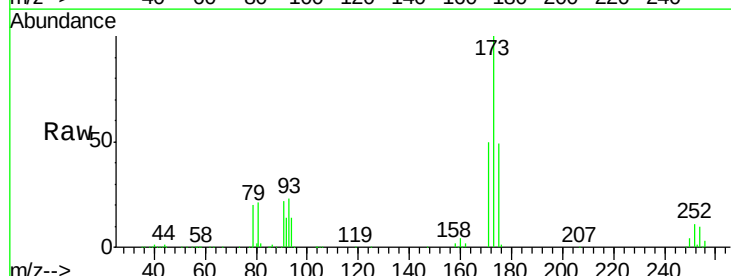
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02526

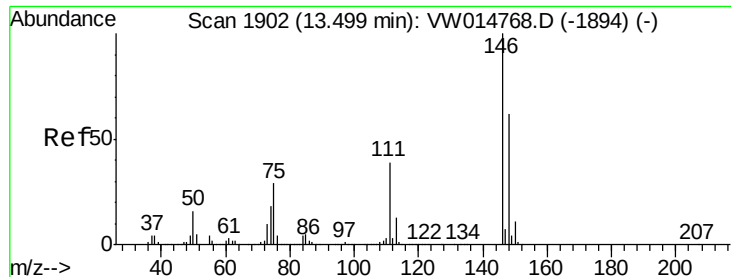
Tgt Ion: 75 Resp: 213631
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.8 38.8



#62
 Bromoform
 Concen: 22.94 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW014783.D
 Acq: 28 Jan 2020 12:01

Tgt Ion: 173 Resp: 149361
 Ion Ratio Lower Upper
 173 100
 175 48.2 39.8 59.8
 254 11.0 8.9 13.3

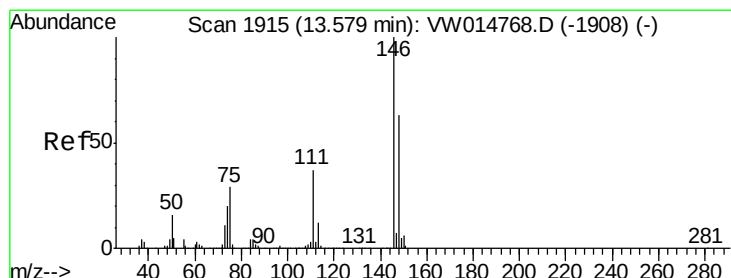
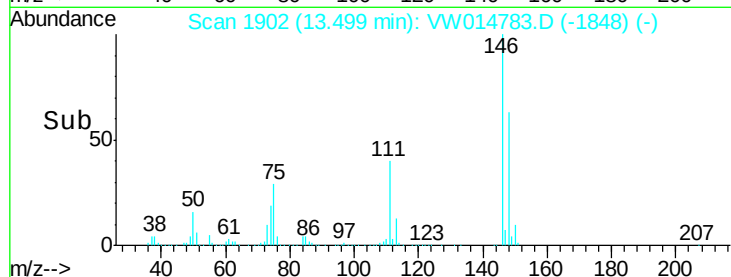
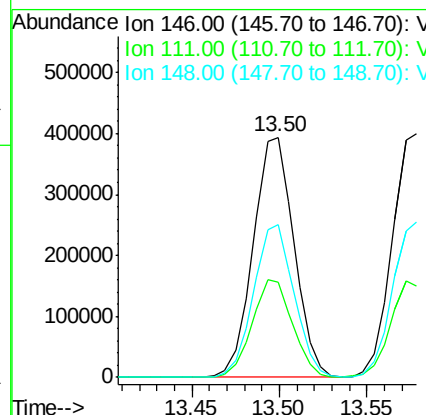
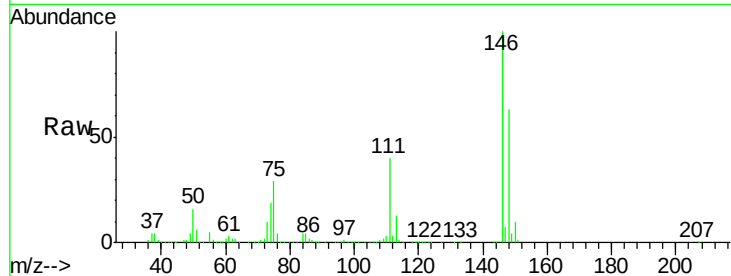




#63
 1,3-Dichlorobenzene
 Concen: 23.80 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW014783.D
 Acq: 28 Jan 2020 12:01

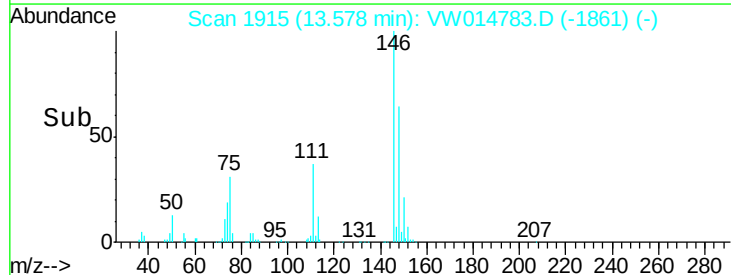
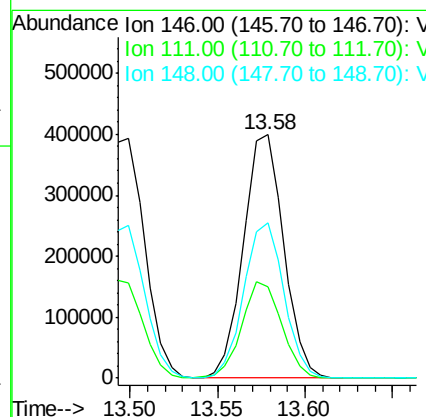
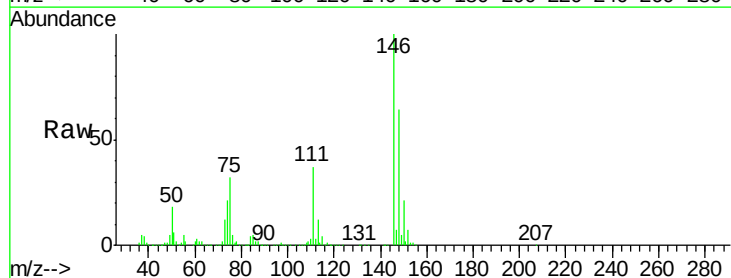
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

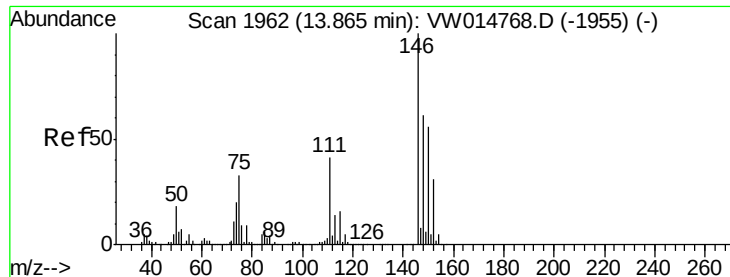
Tgt Ion:146 Resp: 637089
 Ion Ratio Lower Upper
 146 100
 111 39.6 27.1 50.3
 148 63.5 44.5 82.7



#64
 1,4-Dichlorobenzene
 Concen: 23.88 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW014783.D
 Acq: 28 Jan 2020 12:01

Tgt Ion:146 Resp: 640815
 Ion Ratio Lower Upper
 146 100
 111 37.2 26.4 49.0
 148 63.8 43.9 81.5

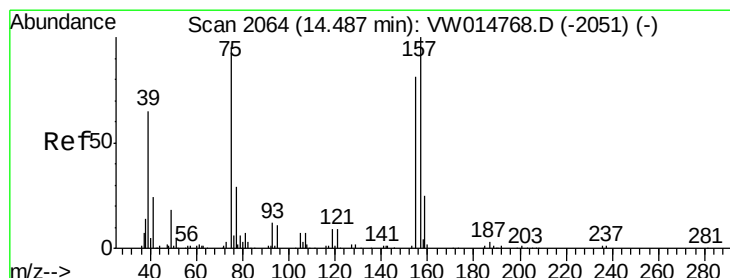
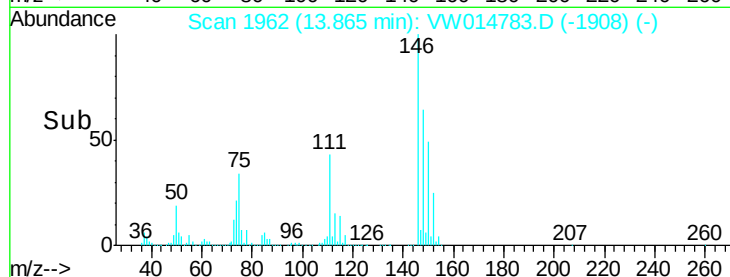
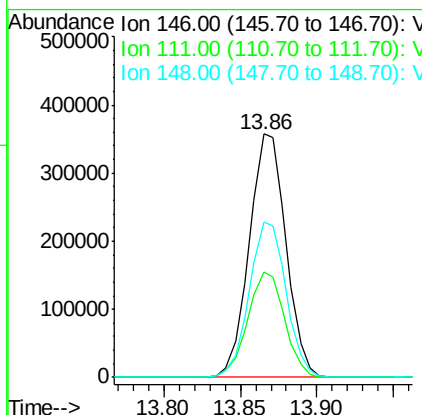
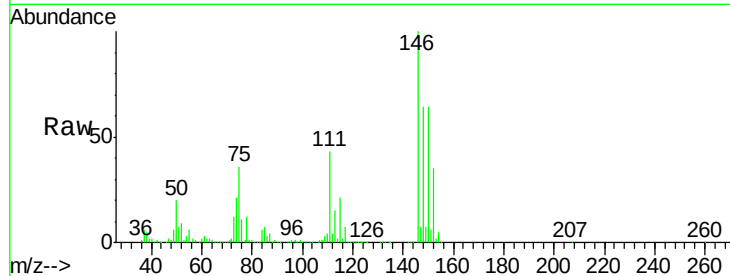




#65
 1,2-Dichlorobenzene
 Concen: 24.54 ug/L
 RT: 13.86 min Scan# 1962
 Delta R.T. -0.00 min
 Lab File: VW014783.D
 Acq: 28 Jan 2020 12:01

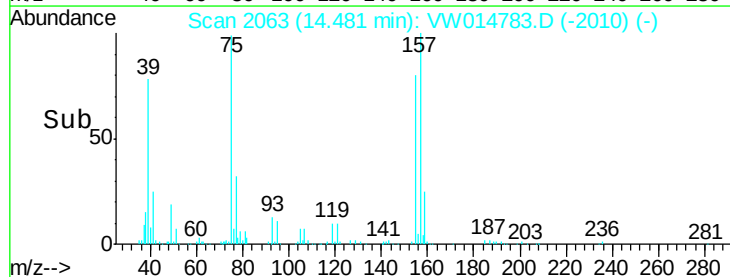
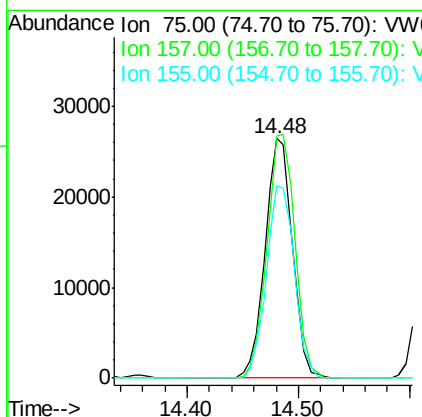
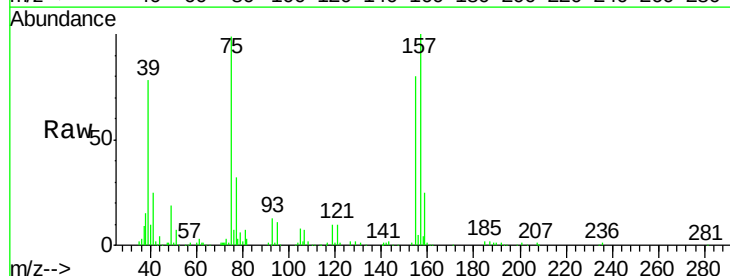
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

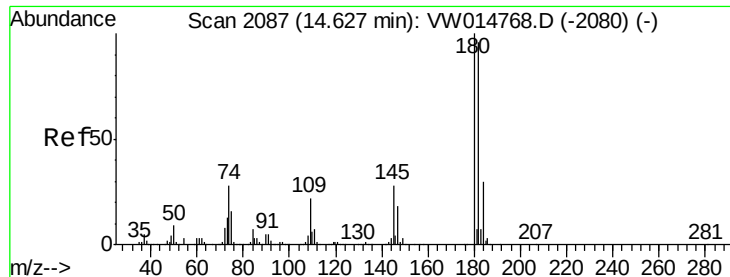
Tgt Ion:146 Resp: 597692
 Ion Ratio Lower Upper
 146 100
 111 43.1 33.4 50.2
 148 63.8 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.63 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW014783.D
 Acq: 28 Jan 2020 12:01

Tgt Ion: 75 Resp: 45190
 Ion Ratio Lower Upper
 75 100
 157 100.9 84.9 127.3
 155 80.3 67.1 100.7

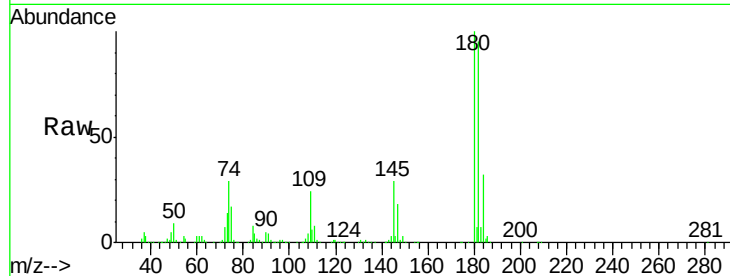




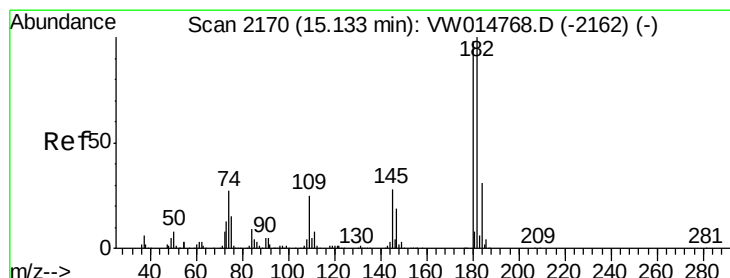
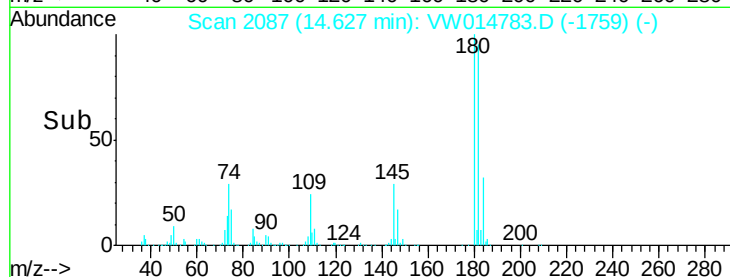
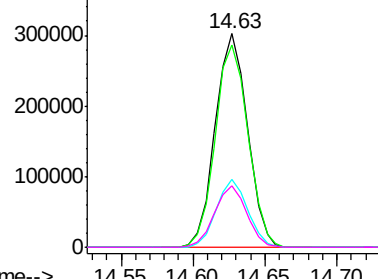
#67
 1,3,5-Trichlorobenzene
 Concen: 23.70 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014783.D
 Acq: 28 Jan 2020 12:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

Tgt Ion:180 Resp: 470054
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.2 114.4
 184 30.7 24.2 36.4
 145 28.5 22.8 34.2

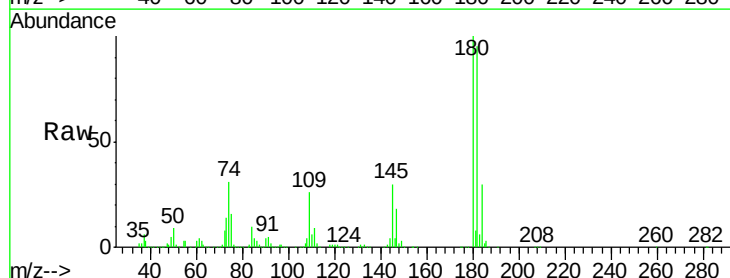


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

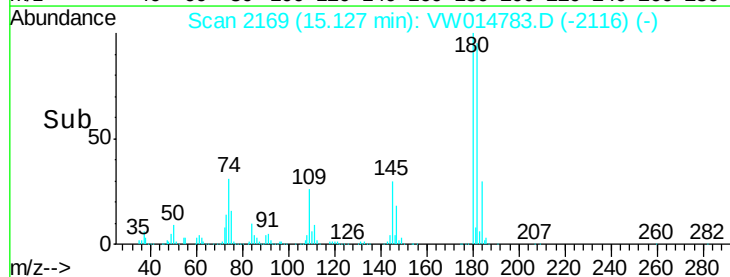
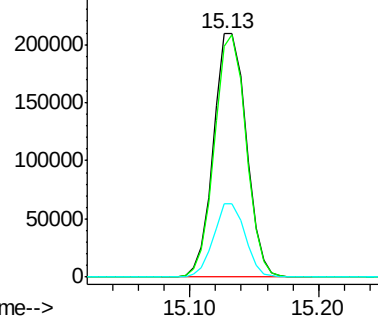


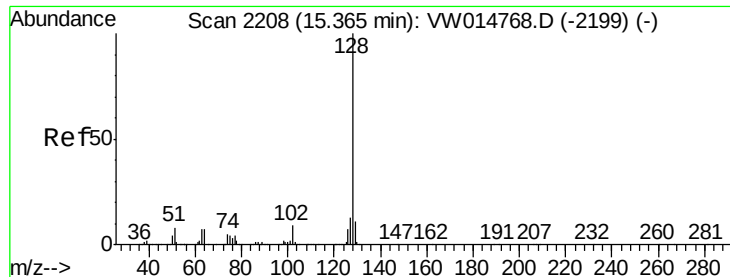
#68
 1,2,4-trichlorobenzene
 Concen: 24.96 ug/L
 RT: 15.13 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: VW014783.D
 Acq: 28 Jan 2020 12:01

Tgt Ion:180 Resp: 367381
 Ion Ratio Lower Upper
 180 100
 182 95.5 77.2 115.8
 145 29.1 23.3 34.9



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: 26.20 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014783.D

Acq: 28 Jan 2020 12:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

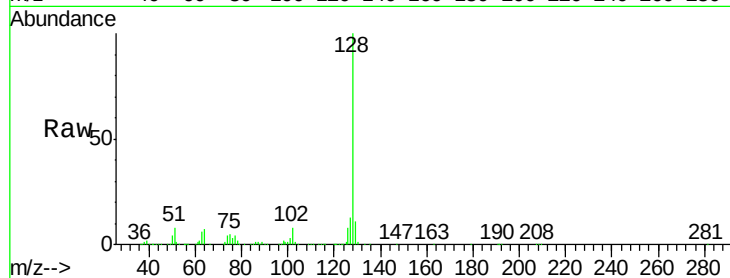
Tgt Ion:128 Resp: 697422

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

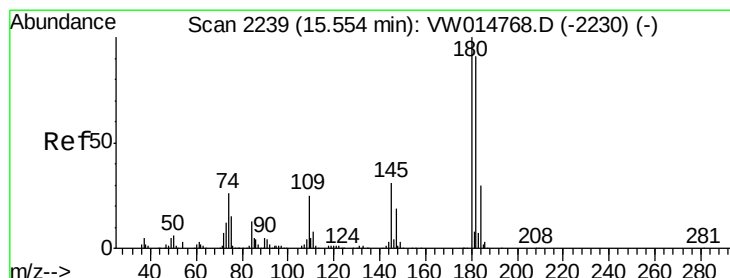
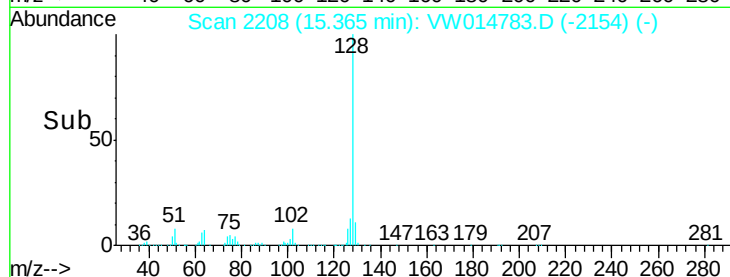
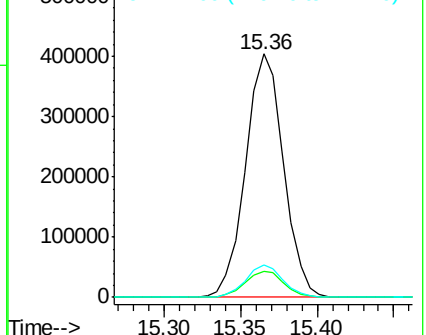
127 13.1 10.5 15.7



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: 24.97 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW014783.D

Acq: 28 Jan 2020 12:01

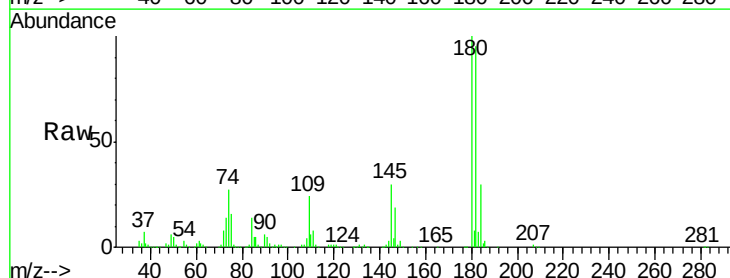
Tgt Ion:180 Resp: 336868

Ion Ratio Lower Upper

180 100

182 96.0 75.8 113.6

145 31.3 24.3 36.5



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

