

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091020\
 Data File : VW016534.D
 Acq On : 10 Sep 2020 19:08
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

Quant Time: Sep 11 06:16:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM090320S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 11 06:07:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	555805	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	498565	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	246302	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	125979	21.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.44%
7) Chloroethane-d5	2.90	69	135415	25.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.28%
10) 1,1-Dichloroethene-d2	4.03	63	297467	21.94	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.76%
20) 2-Butanone-d5	7.09	46	85543	40.62	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.24%
24) Chloroform-d	7.65	84	335188	25.75	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.00%
26) 1,2-Dichloroethane-d4	8.31	65	177860	24.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.92%
29) Benzene-d6	8.28	84	621740	24.53	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.12%
33) 1,2-Dichloropropane-d6	9.27	67	181903	24.43	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.72%
37) Toluene-d8	10.33	98	603452	25.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.20%
38) trans-1,3-Dichloropropene-	10.58	79	86923	23.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.56%
39) 2-Hexanone-d5	10.93	63	70913	46.60	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.20%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	169327	26.89	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.56%
61) 1,2-Dichlorobenzene-d4	13.85	152	219406	25.78	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.12%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.02	85	118754	19.097	ug/L	97
3) Chloromethane	2.22	50	125182	22.930	ug/L	100
5) Vinyl chloride	2.37	62	186300	26.792	ug/L	97
6) Bromomethane	2.79	94	167772	32.281	ug/L	100
8) Chloroethane	2.94	64	129026	30.162	ug/L	97
9) Trichlorofluoromethane	3.27	101	141084	24.774	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.08	101	174305	25.878	ug/L	95
12) 1,1-Dichloroethene	4.05	96	169180	24.702	ug/L	98
13) Acetone	4.14	43	52898	39.135	ug/L	99
14) Carbon disulfide	4.40	76	507629	24.253	ug/L	100
15) Methyl Acetate	4.68	43	67561	20.609	ug/L	96
16) Methylene chloride	4.93	84	192305	22.170	ug/L	93
17) Methyl tert-butyl Ether	5.43	73	251347	24.463	ug/L	98
18) trans-1,2-Dichloroethene	5.43	96	182118	25.033	ug/L	93
19) 1,1-Dichloroethane	6.23	63	312333	25.225	ug/L	97
21) 2-Butanone	7.18	43	88174	38.866	ug/L	95
22) cis-1,2-Dichloroethene	7.18	96	196420	25.916	ug/L	97

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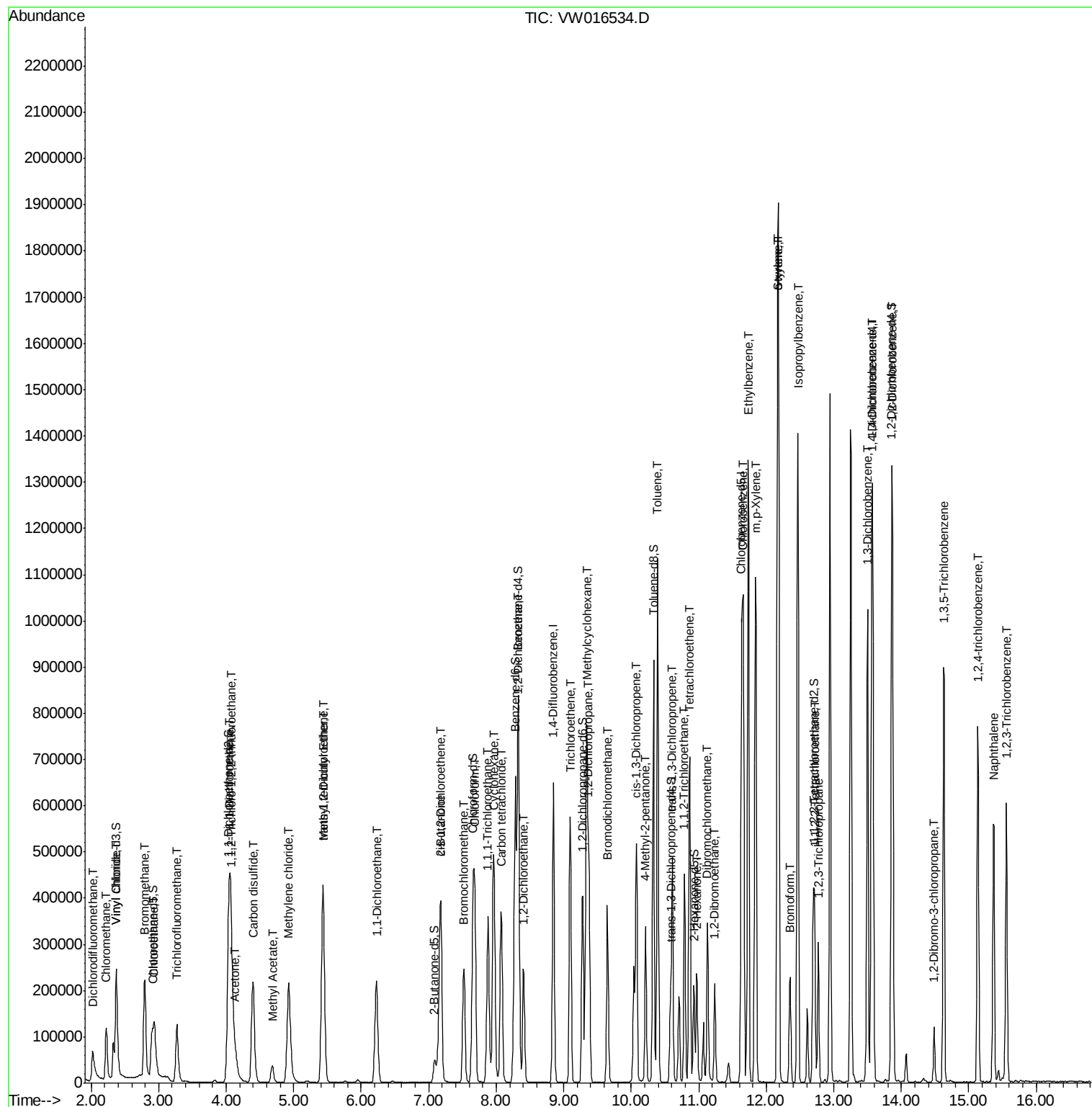
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	87275	24.843	ug/L	91
25) Chloroform	7.68	83	337137	26.307	ug/L	99
27) 1,2-Dichloroethane	8.40	62	220478	25.836	ug/L	99
30) Cyclohexane	7.96	56	276997	23.259	ug/L	94
31) 1,1,1-Trichloroethane	7.88	97	293579	27.194	ug/L	97
32) Carbon tetrachloride	8.07	117	275703	26.700	ug/L	96
34) Benzene	8.33	78	714057	26.195	ug/L	100
35) Trichloroethene	9.10	95	193619	25.634	ug/L	98
36) Methylcyclohexane	9.34	83	324537	24.558	ug/L	96
40) 1,2-Dichloropropane	9.37	63	170879	25.354	ug/L	100
41) Bromodichloromethane	9.65	83	250838	26.621	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	289159	25.282	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	208883	43.768	ug/L	98
44) Toluene	10.39	91	812334	26.631	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	257682	25.205	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	138604	25.947	ug/L	99
47) Tetrachloroethene	10.87	164	150775	24.897	ug/L	87
49) 2-Hexanone	10.97	43	143278	43.108	ug/L	97
50) Dibromochloromethane	11.13	129	177868	26.333	ug/L	97
51) 1,2-Dibromoethane	11.24	107	140945	26.404	ug/L	100
52) Chlorobenzene	11.66	112	520466	26.898	ug/L	99
53) Ethylbenzene	11.73	91	936204	27.249	ug/L	98
54) m,p-Xylene	11.84	106	356421	27.143	ug/L	97
55) o-xylene	12.17	106	343391	27.453	ug/L	99
56) Styrene	12.18	104	592957	27.590	ug/L	97
57) Isopropylbenzene	12.47	105	939526	27.420	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.72	83	169319	26.590	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	120981	25.420	ug/L	100
62) Bromoform	12.35	173	94805	22.939	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	405010	26.119	ug/L	91
64) 1,4-Dichlorobenzene	13.58	146	412195	26.808	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	360237	26.136	ug/L	93
66) 1,2-Dibromo-3-chloropropan	14.49	75	29490	22.977	ug/L	82
67) 1,3,5-Trichlorobenzene	14.63	180	258675	24.203	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	225915	24.438	ug/L	95
69) Naphthalene	15.37	128	487122	24.967	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	190892	24.050	ug/L	99

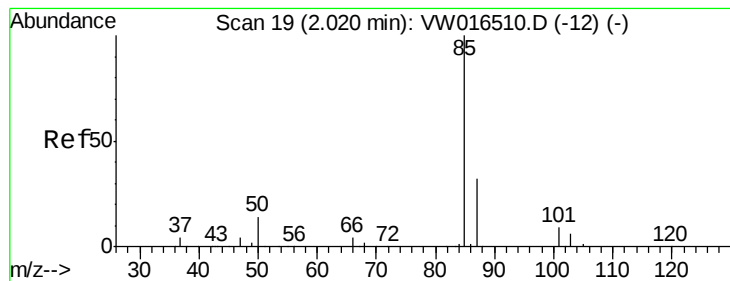
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#2

Dichlorodifluoromethane

Concen: 19.097 ug/L

RT: 2.02 min Scan# 19

Delta R.T. -0.00 min

Lab File: VW016534.D

Acq: 10 Sep 2020 19:08

Instrument :

MSVOA_W

ClientSampleId :

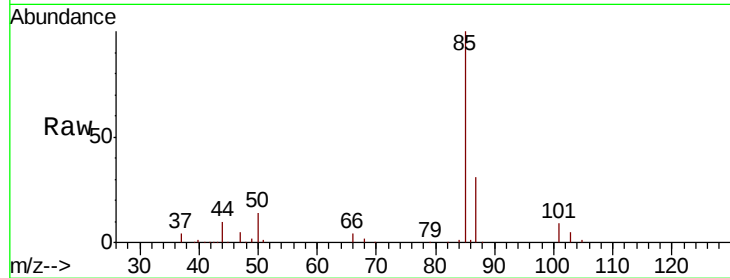
VSTD02518

Tot Ion: 85 Resp: 118754

Ion Ratio Lower Upper

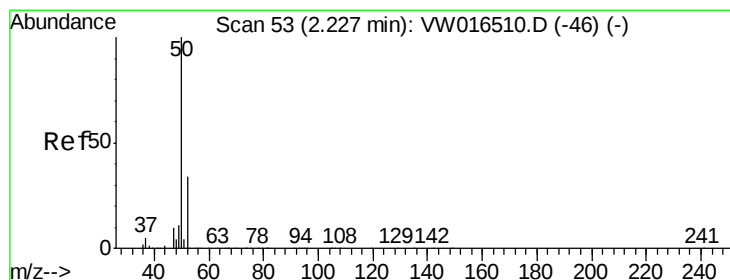
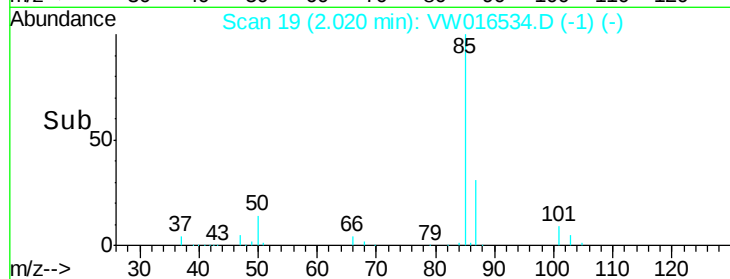
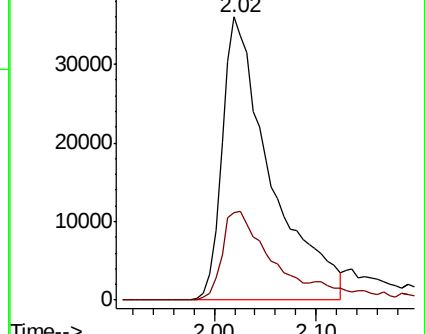
85 100

87 30.1 22.3 41.5



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 22.930 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.01 min

Lab File: VW016534.D

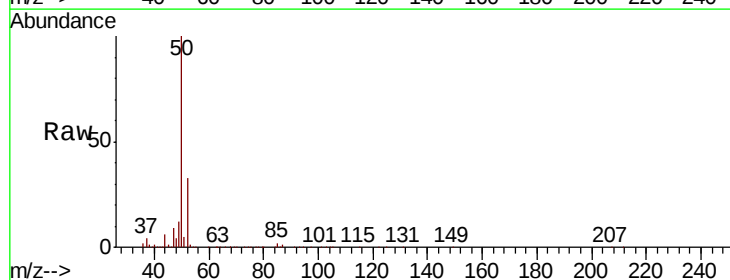
Acq: 10 Sep 2020 19:08

Tgt Ion: 50 Resp: 125182

Ion Ratio Lower Upper

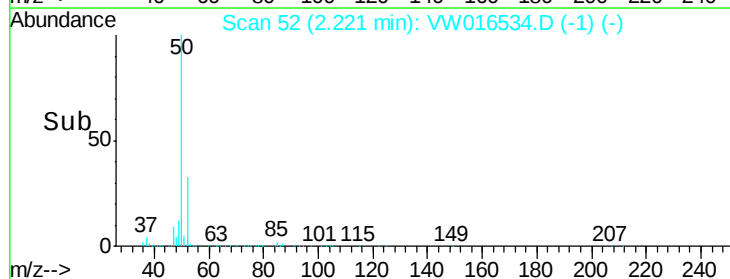
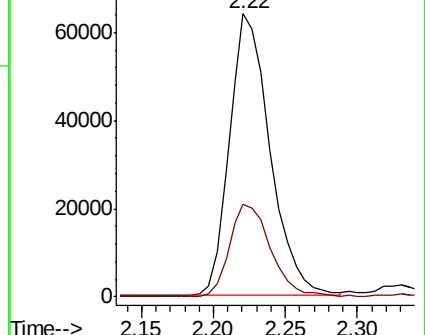
50 100

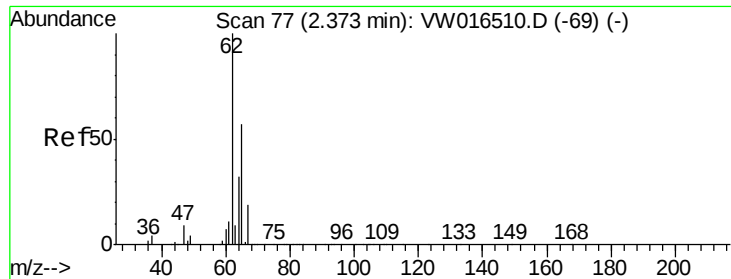
52 32.8 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 26.792 ug/L

RT: 2.37 min Scan# 77

Delta R.T. -0.00 min

Lab File: VW016534.D

Acq: 10 Sep 2020 19:08

Instrument :

MSVOA_W

ClientSampleId :

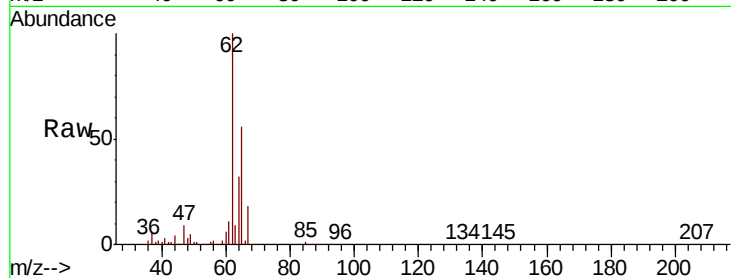
VSTD02518

Tot Ion: 62 Resp: 186300

Ion Ratio Lower Upper

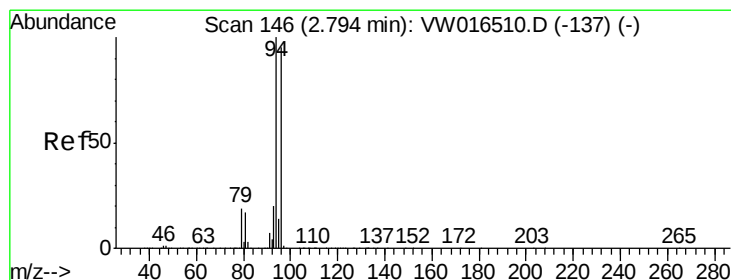
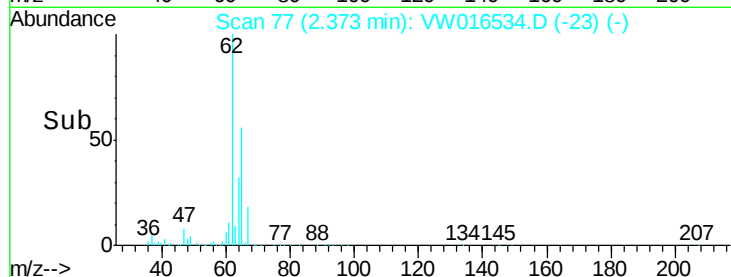
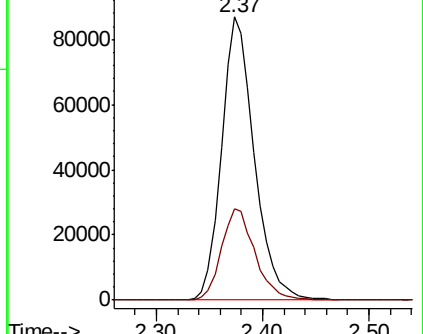
62 100

64 32.5 23.9 44.5



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 32.281 ug/L

RT: 2.79 min Scan# 146

Delta R.T. -0.00 min

Lab File: VW016534.D

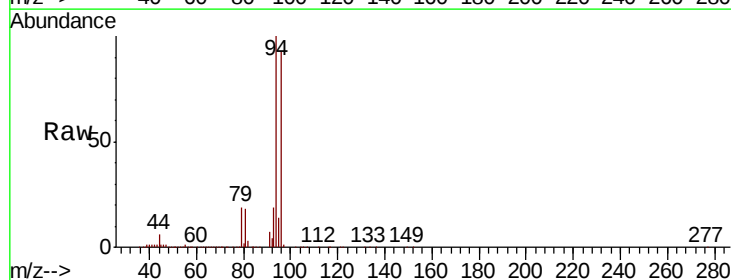
Acq: 10 Sep 2020 19:08

Tgt Ion: 94 Resp: 167772

Ion Ratio Lower Upper

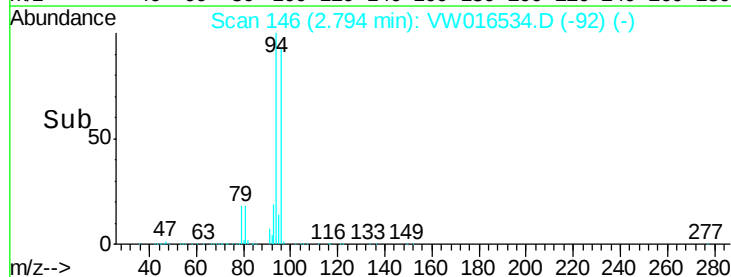
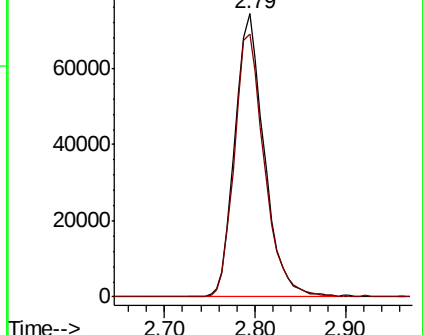
94 100

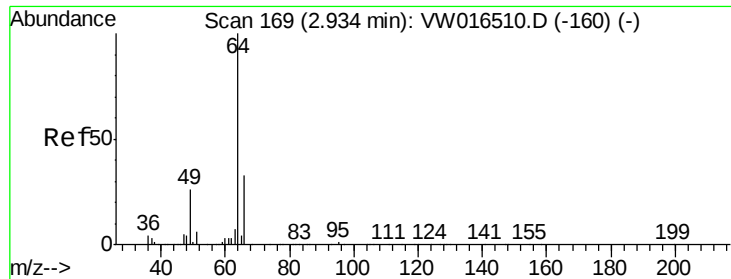
96 94.3 9.4 178.2



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 30.162 ug/L

RT: 2.94 min Scan# 170

Delta R.T. 0.01 min

Lab File: VW016534.D

Acq: 10 Sep 2020 19:08

Instrument :

MSVOA_W

ClientSampleId :

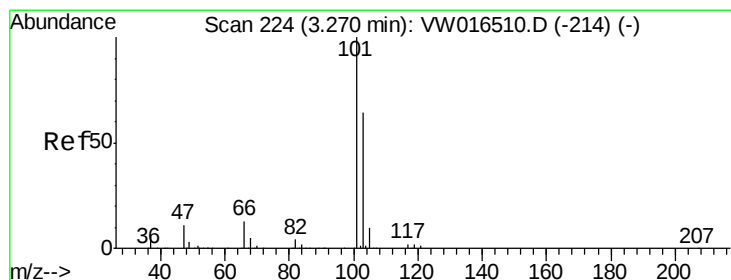
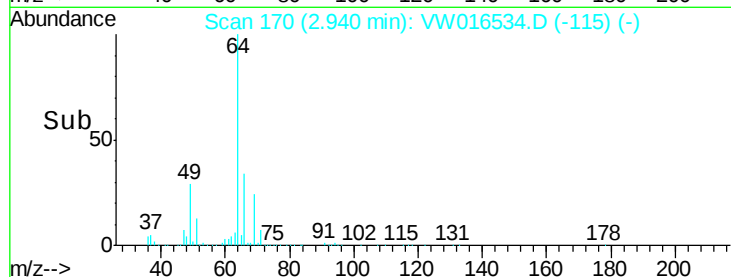
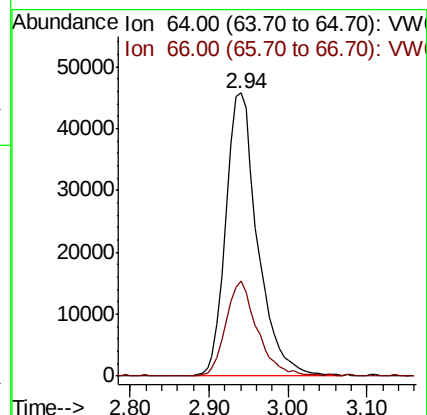
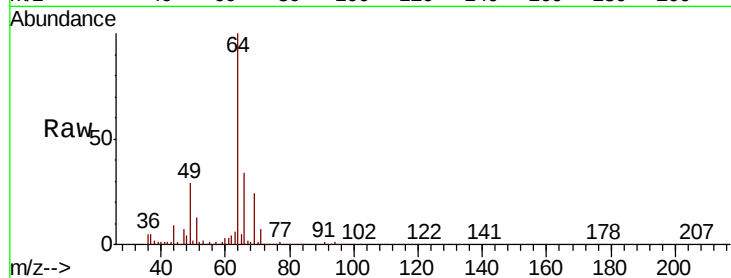
VSTD02518

Tot Ion: 64 Resp: 129026

Ion Ratio Lower Upper

64 100

66 33.8 22.4 41.6



#9

Trichlorofluoromethane

Concen: 24.774 ug/L

RT: 3.27 min Scan# 224

Delta R.T. -0.00 min

Lab File: VW016534.D

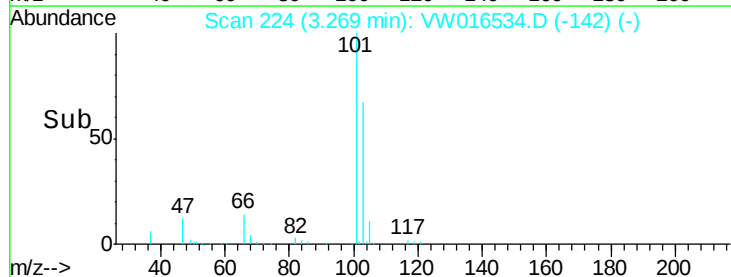
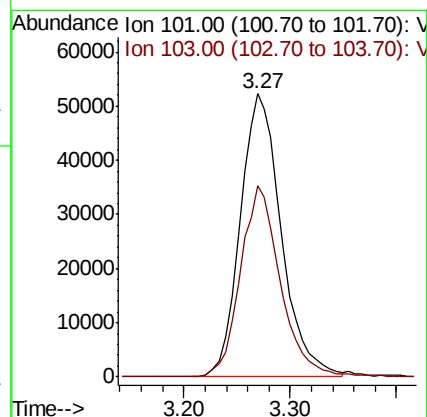
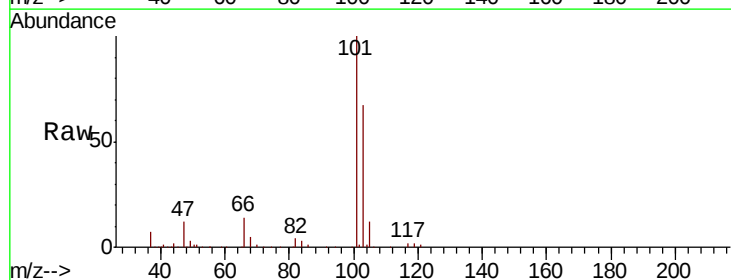
Acq: 10 Sep 2020 19:08

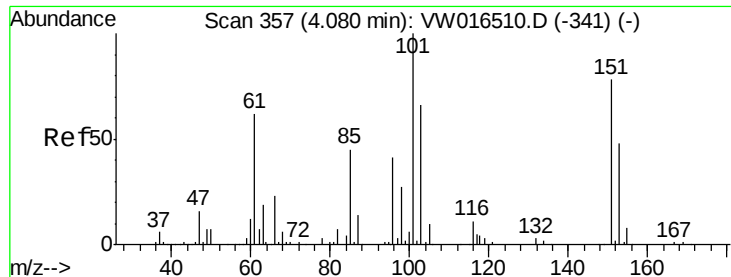
Tgt Ion: 101 Resp: 141084

Ion Ratio Lower Upper

101 100

103 65.8 45.1 83.7





#11

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

Concen: 25.878 ug/L

RT: 4.08 min Scan# 357

Delta R.T. -0.00 min

Lab File: VW016534.D

Acq: 10 Sep 2020 19:08

Instrument :

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VSTD02518

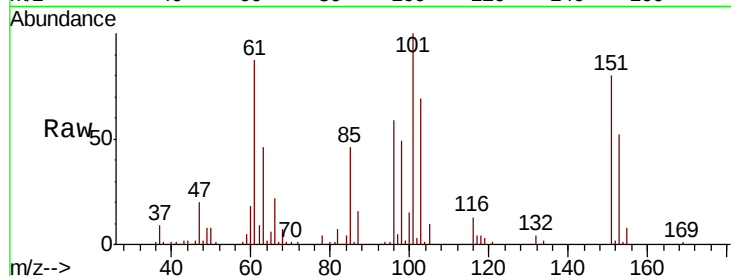
Tot Ion:101 Resp: 174305

Ion Ratio Lower Upper

101 100

85 42.3 33.4 50.0

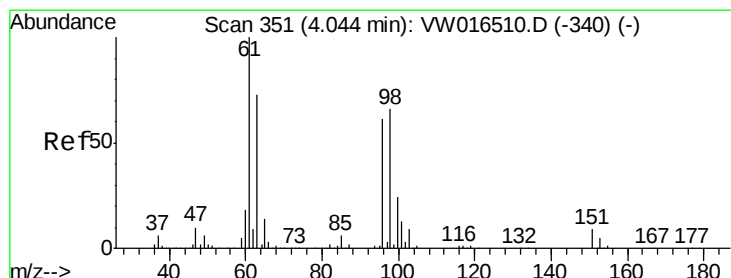
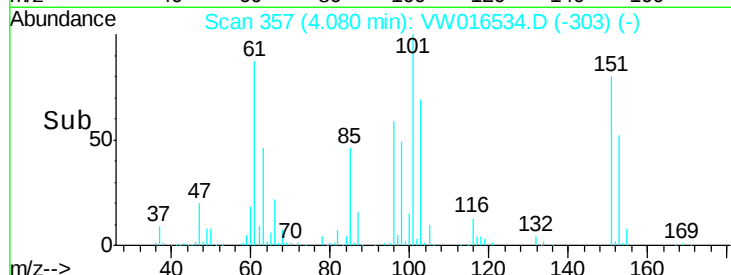
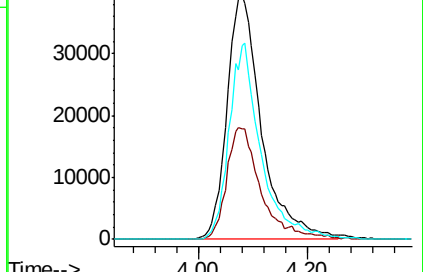
151 70.8 61.6 92.4



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: 24.702 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW016534.D

Acq: 10 Sep 2020 19:08

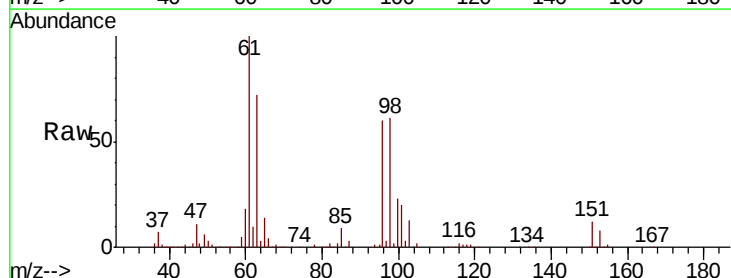
Tgt Ion: 96 Resp: 169180

Ion Ratio Lower Upper

96 100

61 167.2 116.5 216.3

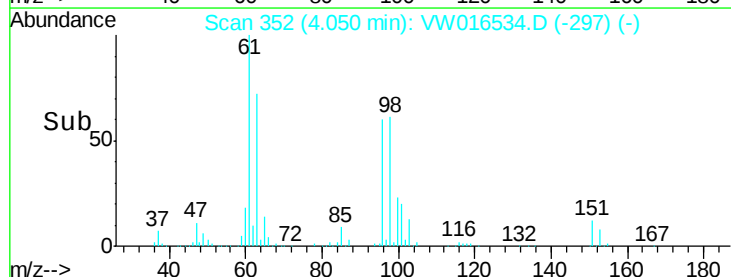
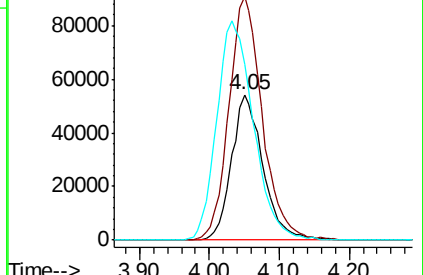
63 120.3 81.1 150.5

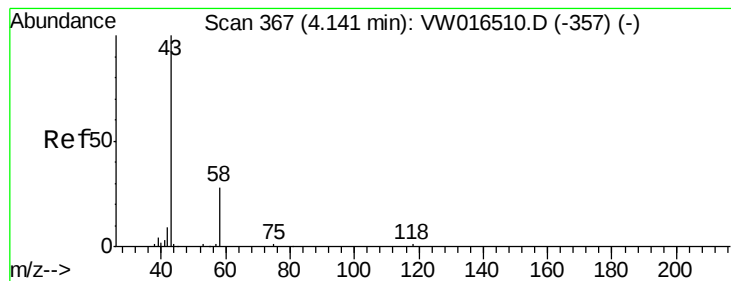


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 39.135 ug/L

RT: 4.14 min Scan# 367

Delta R.T. -0.00 min

Lab File: VW016534.D

Acq: 10 Sep 2020 19:08

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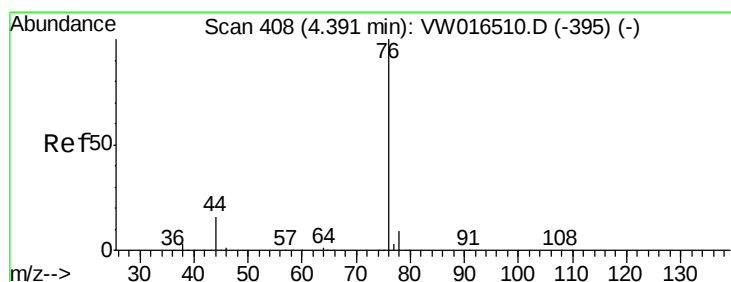
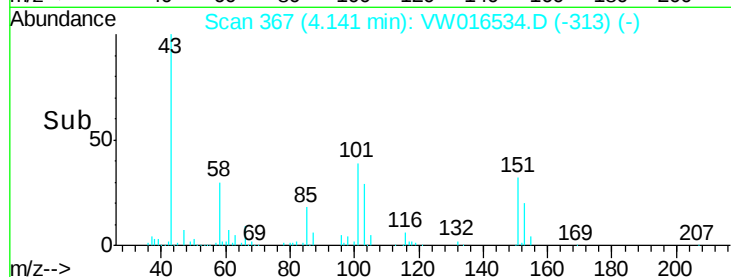
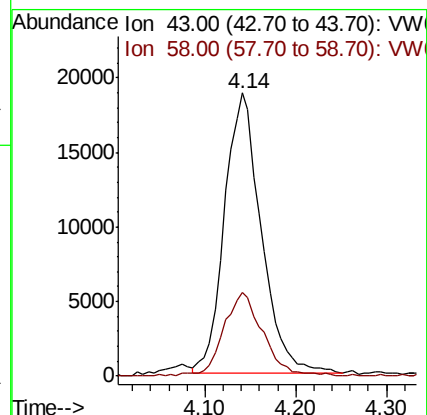
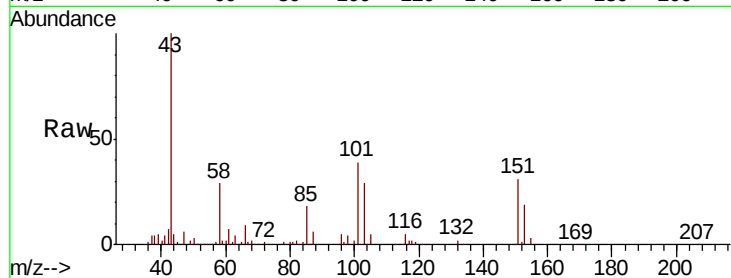
VSTD02518

Tot Ion: 43 Resp: 52898

Ion Ratio Lower Upper

43 100

58 31.0 0.0 63.0



#14

Carbon disulfide

Concen: 24.253 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.01 min

Lab File: VW016534.D

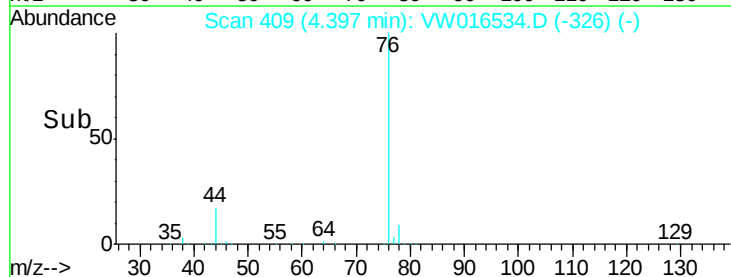
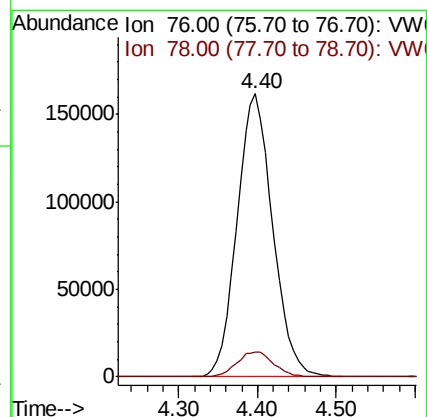
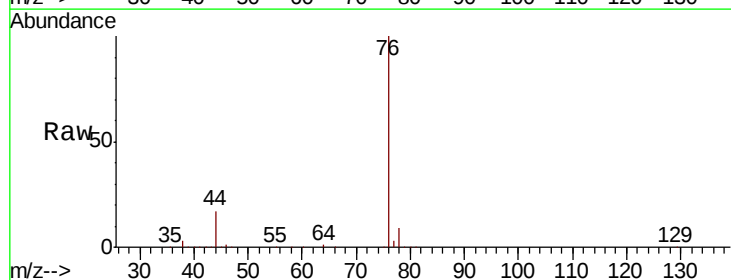
Acq: 10 Sep 2020 19:08

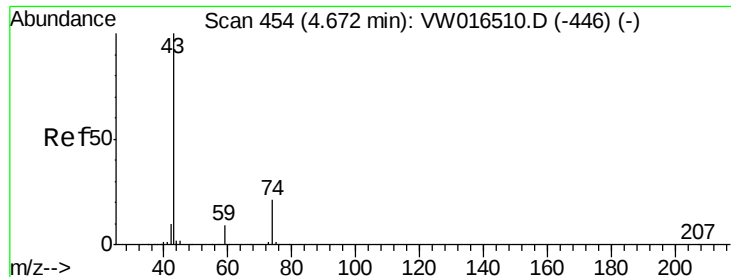
Tgt Ion: 76 Resp: 507629

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9





#15

Methyl Acetate

Concen: 20.609 ug/L

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW016534.D

Acq: 10 Sep 2020 19:08

Instrument :

MSVOA_W

ClientSampleId :

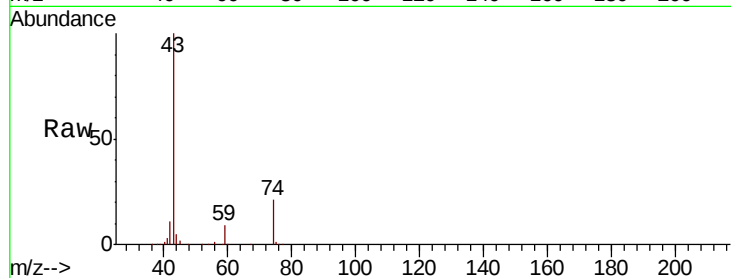
VSTD02518

Tot Ion: 43 Resp: 67561

Ion Ratio Lower Upper

43 100

74 25.6 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.68

25000

20000

15000

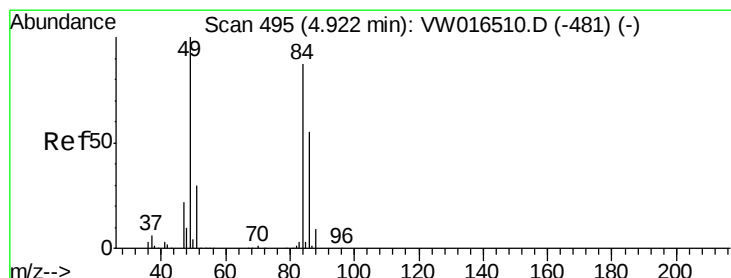
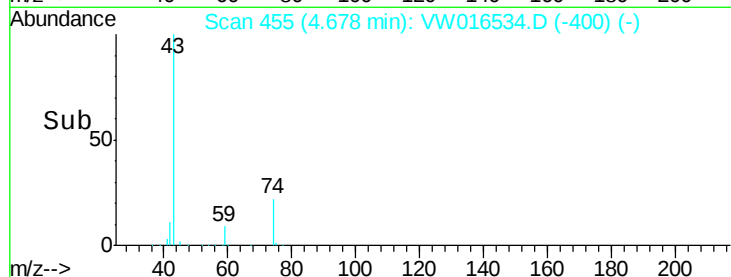
10000

5000

0

4.60 4.70 4.80

Time-->



#16

Methylene chloride

Concen: 22.170 ug/L

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW016534.D

Acq: 10 Sep 2020 19:08

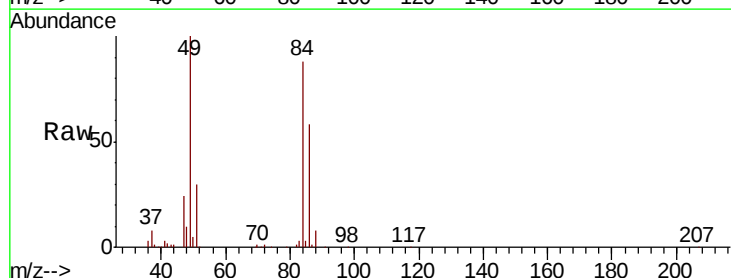
Tgt Ion: 84 Resp: 192305

Ion Ratio Lower Upper

84 100

49 113.1 86.7 160.9

86 65.7 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

80000

60000

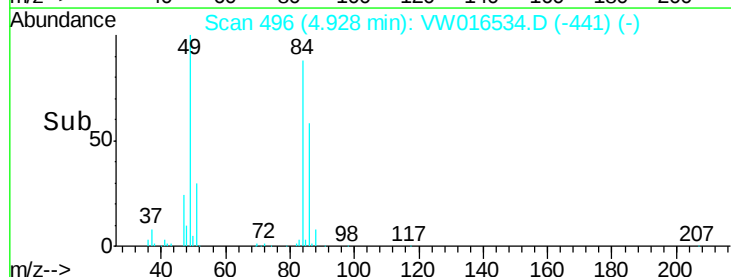
40000

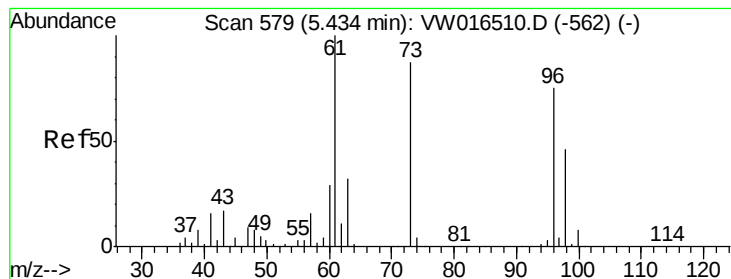
20000

0

4.80 4.90 5.00 5.10

Time-->



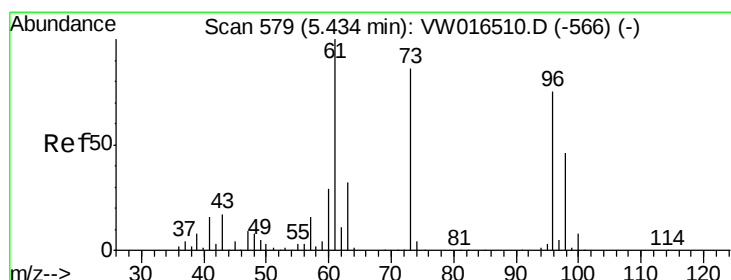
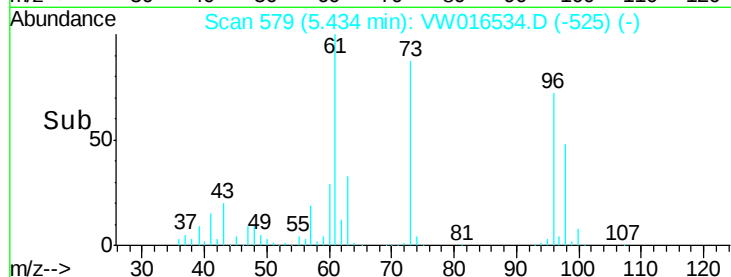
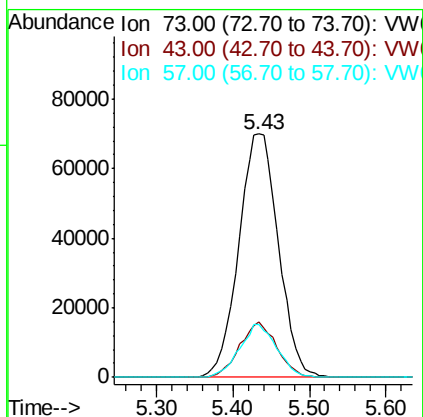
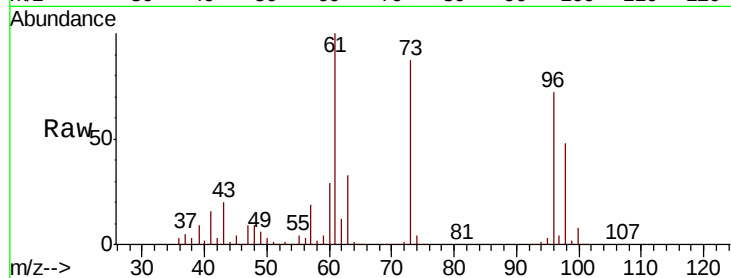


#17

Methyl tert-butyl Ether
 Concen: 24.463 ug/L
 RT: 5.43 min Scan# 579
 Delta R.T. -0.00 min
 Lab File: VW016534.D
 Acq: 10 Sep 2020 19:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

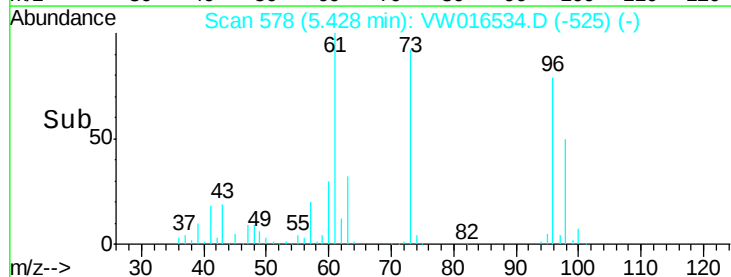
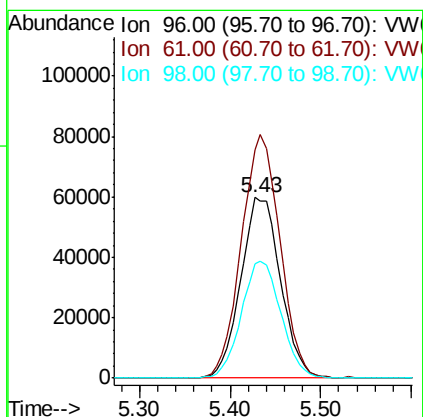
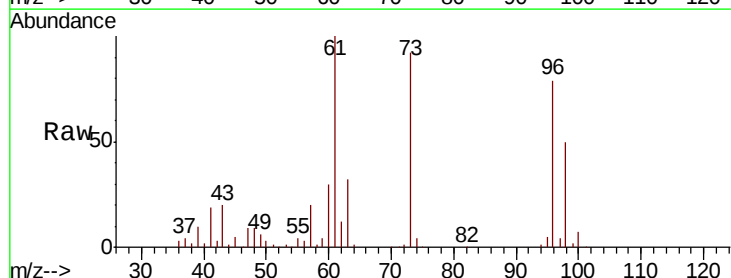
Tot Ion:	73	Resp:	251347
Ion	Ratio	Lower	Upper
73	100		
43	21.3	17.9	26.9
57	20.6	17.4	26.0

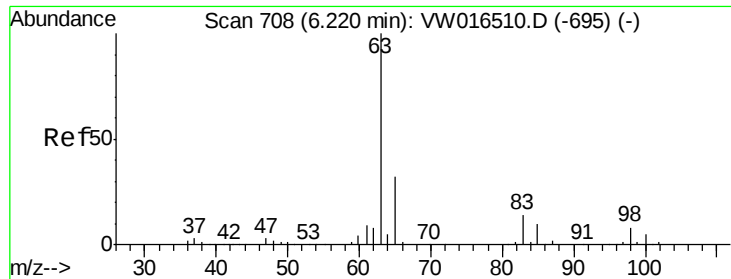


#18

trans-1,2-Dichloroethene
 Concen: 25.033 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: VW016534.D
 Acq: 10 Sep 2020 19:08

Tgt Ion:	96	Resp:	182118
Ion	Ratio	Lower	Upper
96	100		
61	126.3	96.4	179.0
98	63.2	45.1	83.7

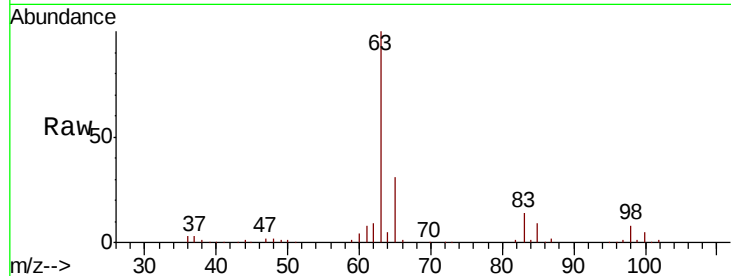




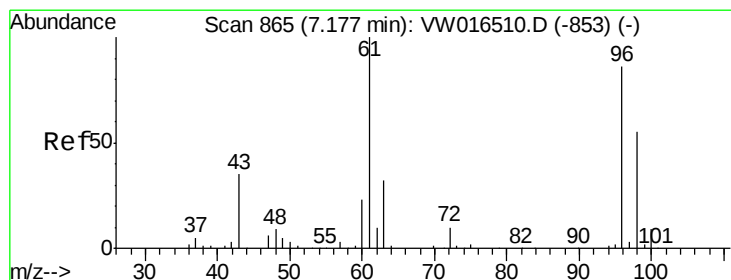
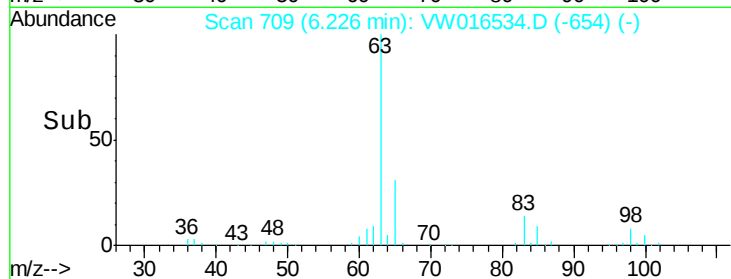
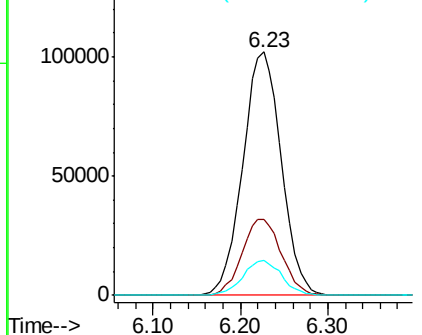
#19
 1,1-Dichloroethane
 Concen: 25.225 ug/L
 RT: 6.23 min Scan# 709
 Delta R.T. 0.01 min
 Lab File: VW016534.D
 Acq: 10 Sep 2020 19:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

Tot Ion: 63 Resp: 312333
 Ion Ratio Lower Upper
 63 100
 65 31.4 23.3 43.3
 83 14.1 10.3 19.1

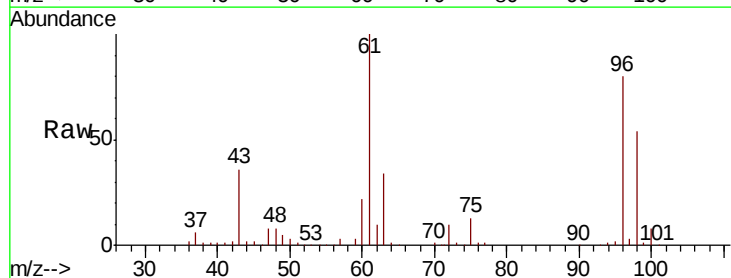


Abundance Ion 63.00 (62.70 to 63.70): VW
 Ion 65.00 (64.70 to 65.70): VW
 Ion 83.00 (82.70 to 83.70): VW

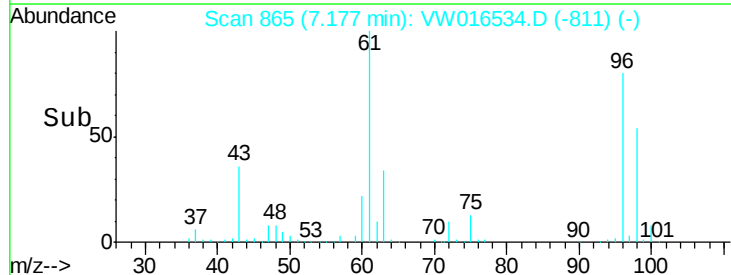
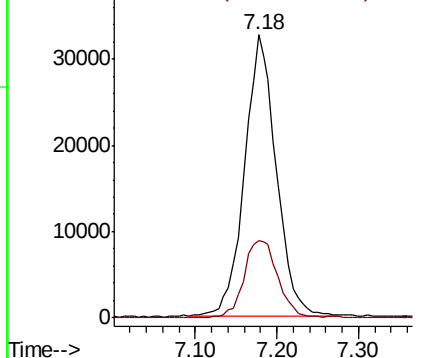


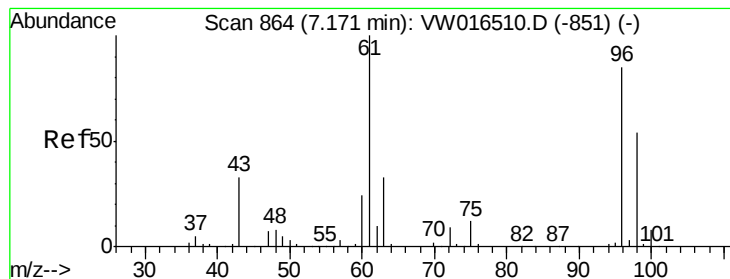
#21
 2-Butanone
 Concen: 38.866 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VW016534.D
 Acq: 10 Sep 2020 19:08

Tgt Ion: 43 Resp: 88174
 Ion Ratio Lower Upper
 43 100
 72 29.3 13.5 40.4



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





#22

cis-1,2-Dichloroethene

Concen: 25.916 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW016534.D

Acq: 10 Sep 2020 19:08

Instrument :

MSVOA_W

ClientSampleId :

VSTD02518

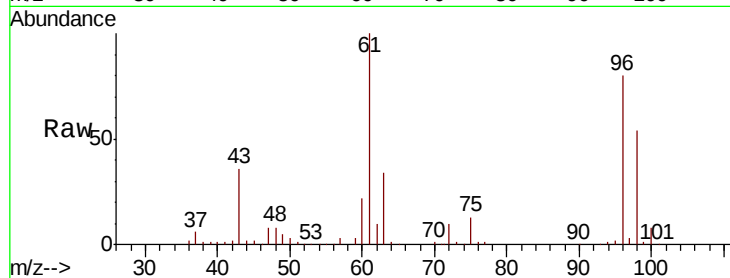
Tot Ion: 96 Resp: 196420

Ion Ratio Lower Upper

96 100

61 125.1 86.1 159.9

98 67.2 44.1 81.9

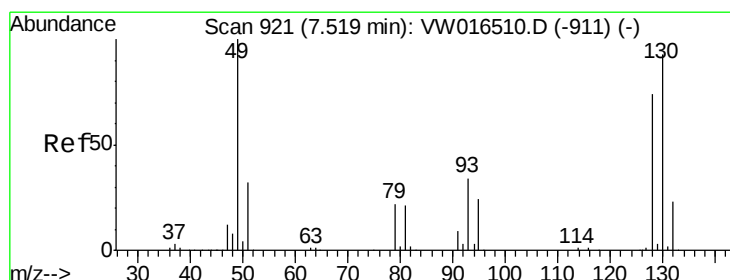
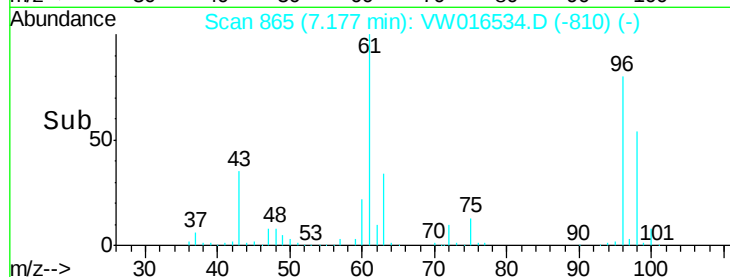
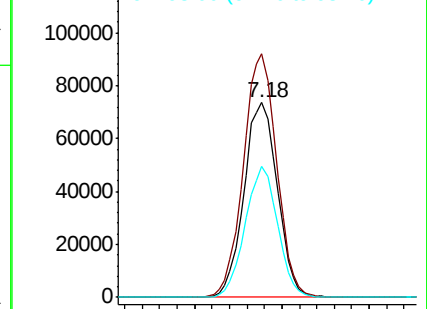


Abundance

Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW



#23

Bromochloromethane

Concen: 24.843 ug/L

RT: 7.52 min Scan# 922

Delta R.T. 0.01 min

Lab File: VW016534.D

Acq: 10 Sep 2020 19:08

Tgt Ion: 128 Resp: 87275

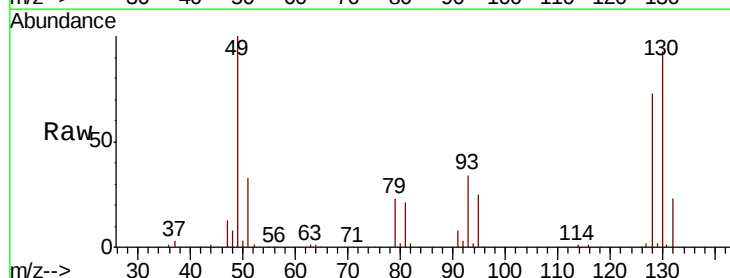
Ion Ratio Lower Upper

128 100

49 137.9 111.6 207.4

130 127.7 90.9 168.7

51 46.1 38.5 57.7



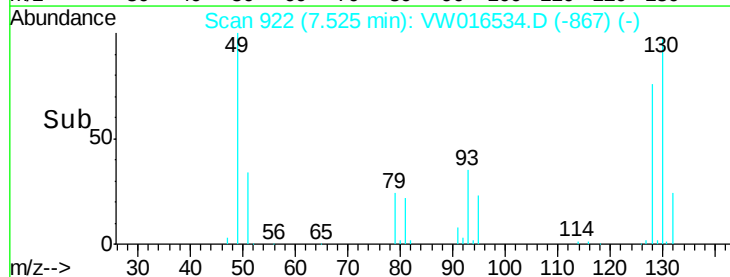
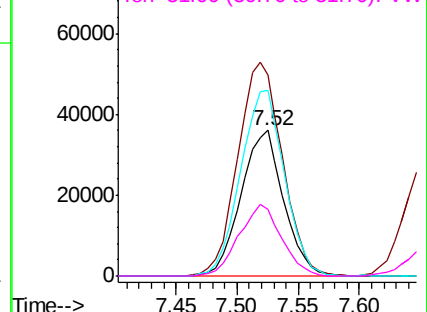
Abundance

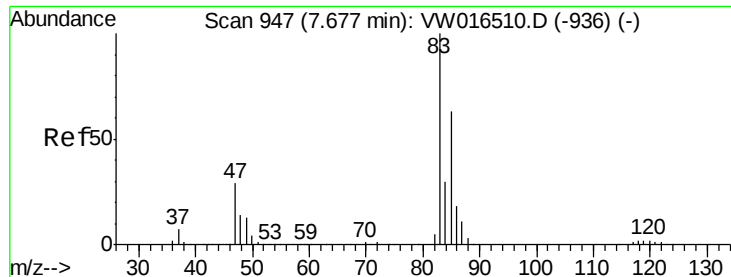
Ion 128.00 (127.70 to 128.70): V

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

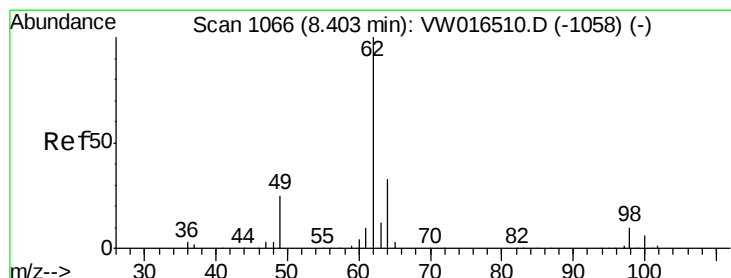
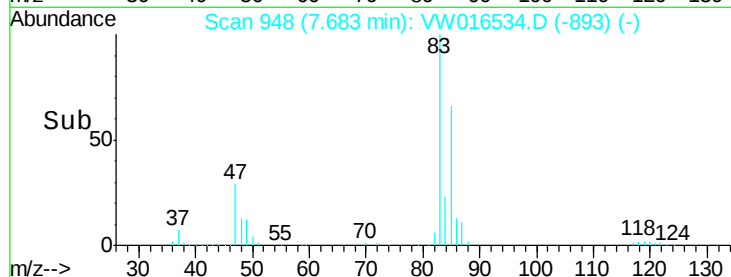
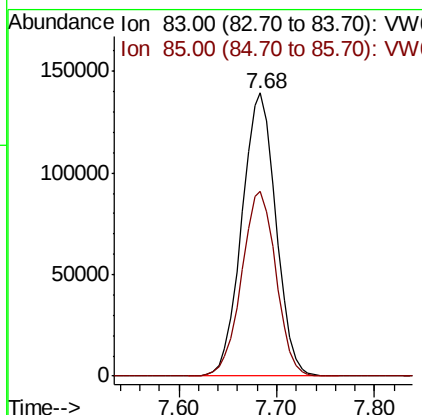
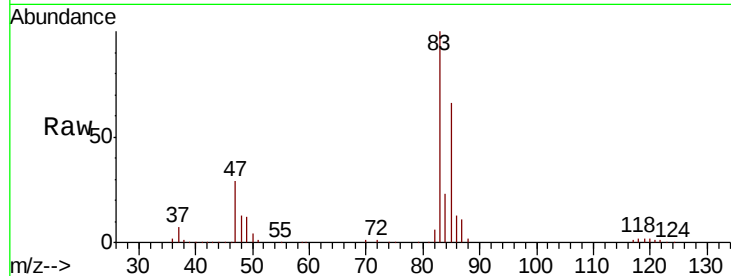




#25
Chloroform
Concen: 26.307 ug/L
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW016534.D
Acq: 10 Sep 2020 19:08

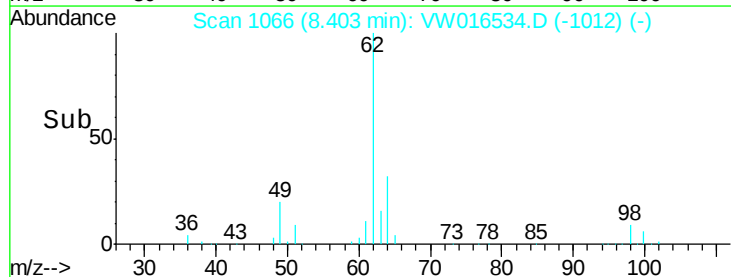
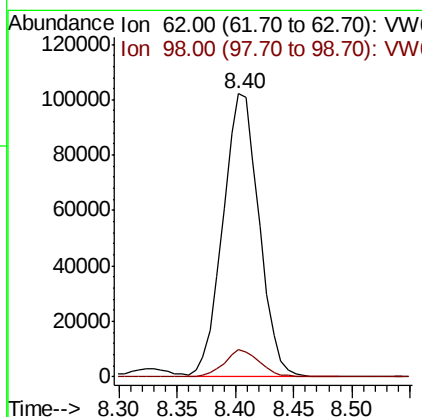
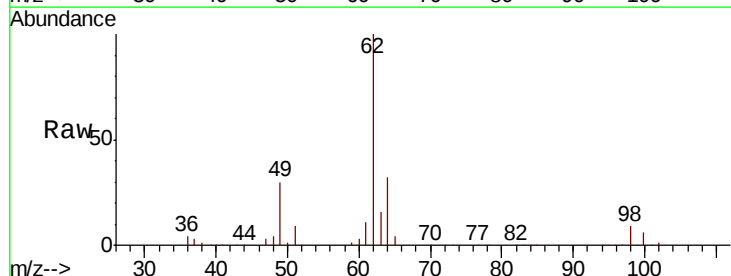
Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

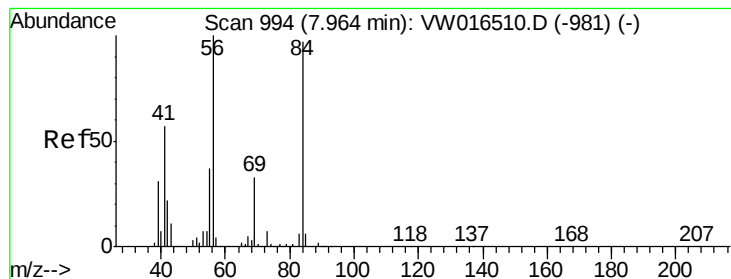
Tot Ion: 83 Resp: 337137
Ion Ratio Lower Upper
83 100
85 66.1 45.6 84.8



#27
1,2-Dichloroethane
Concen: 25.836 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW016534.D
Acq: 10 Sep 2020 19:08

Tgt Ion: 62 Resp: 220478
Ion Ratio Lower Upper
62 100
98 9.5 7.3 10.9





#30

Cyclohexane

Concen: 23.259 ug/L

RT: 7.96 min Scan# 994

Delta R.T. -0.00 min

Lab File: VW016534.D

Acq: 10 Sep 2020 19:08

Instrument :

MSVOA_W

ClientSampled :

VSTD02518

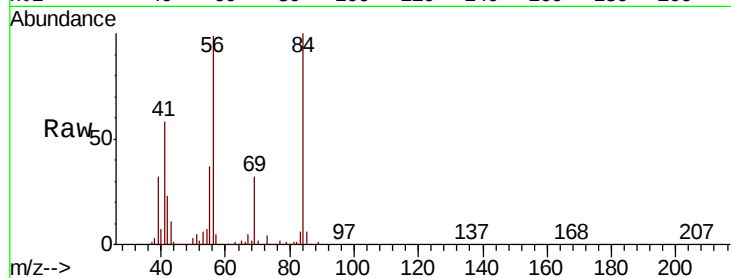
Tot Ion: 56 Resp: 276997

Ion Ratio Lower Upper

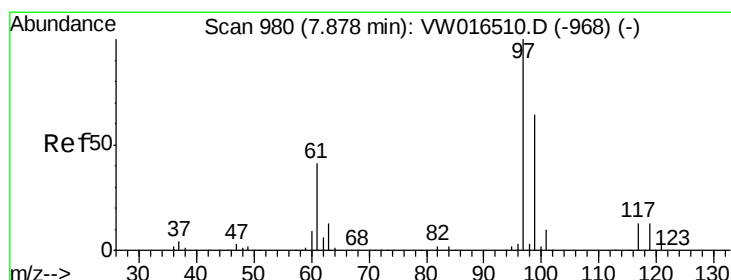
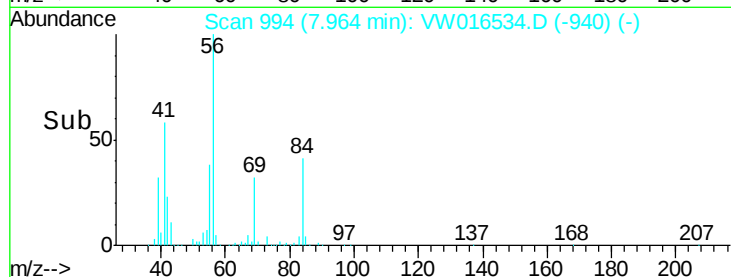
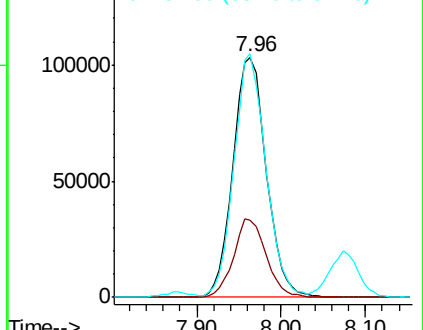
56 100

69 31.7 25.3 37.9

84 97.0 71.6 107.4



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 27.194 ug/L

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW016534.D

Acq: 10 Sep 2020 19:08

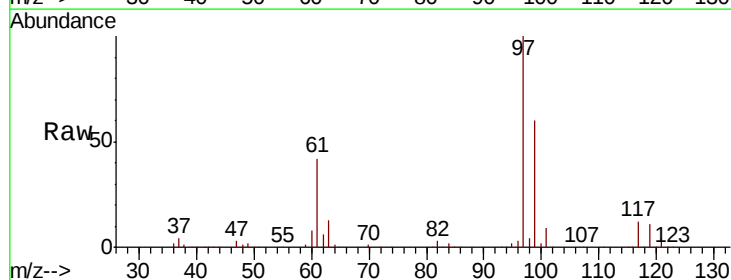
Tgt Ion: 97 Resp: 293579

Ion Ratio Lower Upper

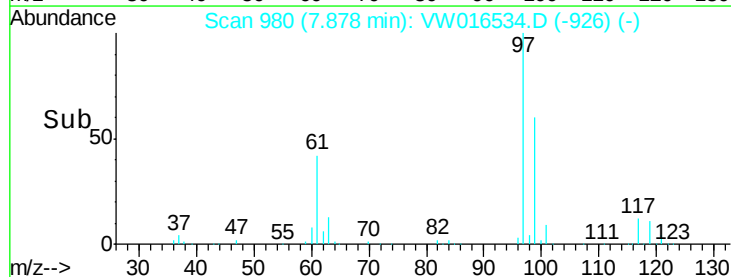
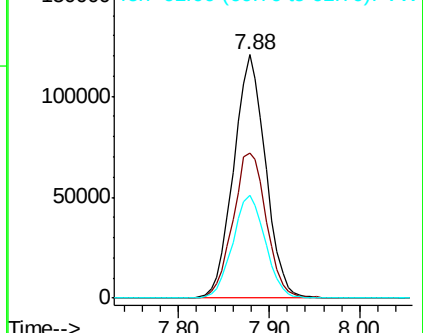
97 100

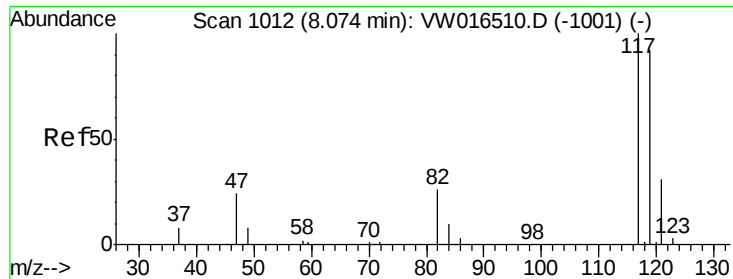
99 62.4 52.2 78.2

61 43.3 36.3 54.5



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 26.700 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW016534.D

Acq: 10 Sep 2020 19:08

Instrument :

MSVOA_W

ClientSampleId :

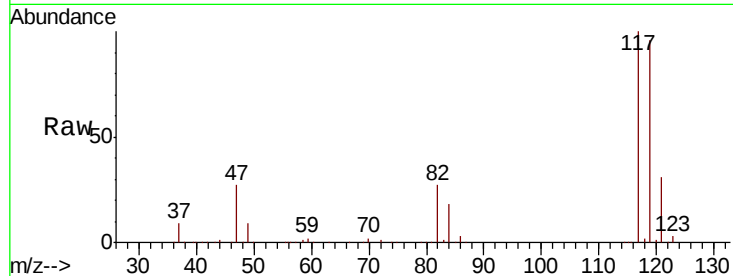
VSTD02518

Tot Ion:117 Resp: 275703

Ion Ratio Lower Upper

117 100

119 92.9 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

120000

100000

80000

60000

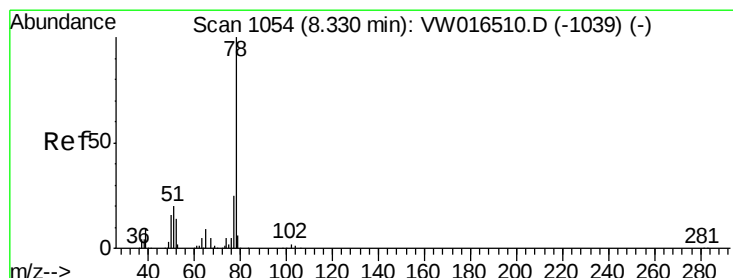
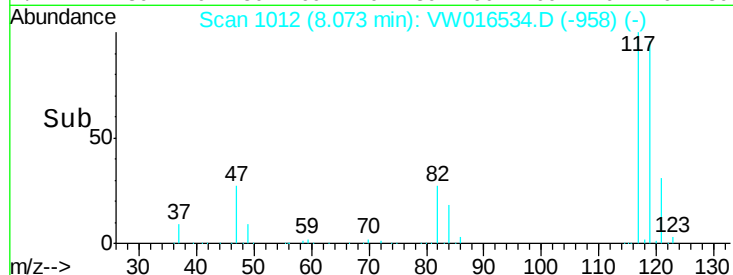
40000

20000

0

Time-->

8.00 8.10 8.20



#34

Benzene

Concen: 26.195 ug/L

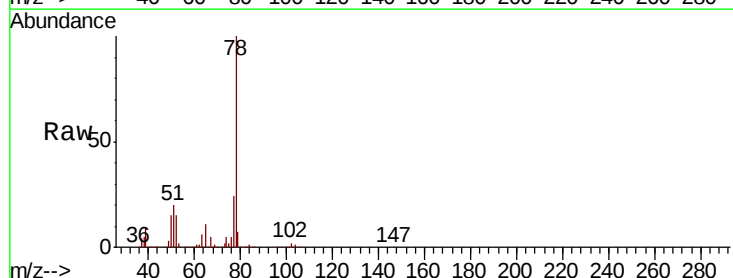
RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VW016534.D

Acq: 10 Sep 2020 19:08

Tgt Ion: 78 Resp: 714057



Abundance Ion 78.00 (77.70 to 78.70): VW

8.33

300000

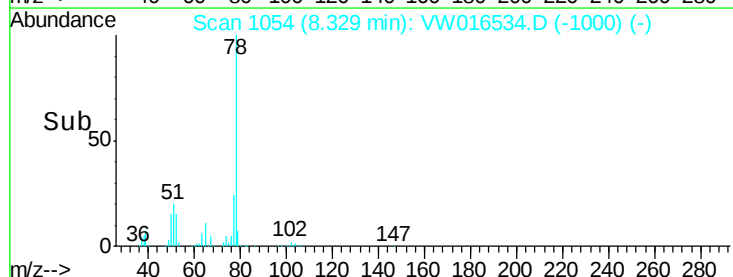
200000

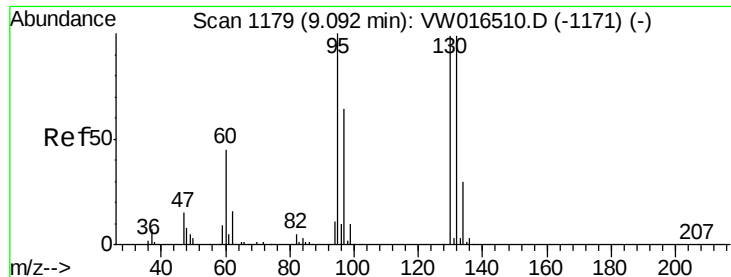
100000

0

Time-->

8.20 8.30 8.40





#35

Trichloroethene

Concen: 25.634 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW016534.D

Acq: 10 Sep 2020 19:08

Instrument :

MSVOA_W

ClientSampleId :

VSTD02518

Tot Ion: 95 Resp: 193619

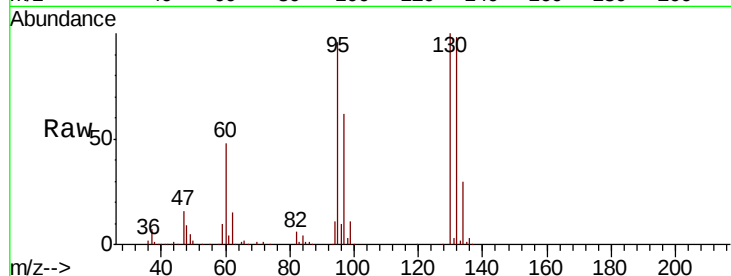
Ion Ratio Lower Upper

95 100

97 65.3 44.9 83.5

132 96.5 69.2 128.4

130 101.8 72.0 133.6

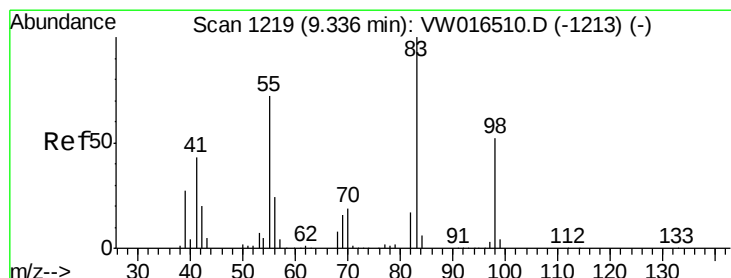
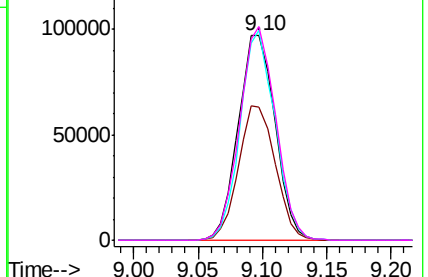
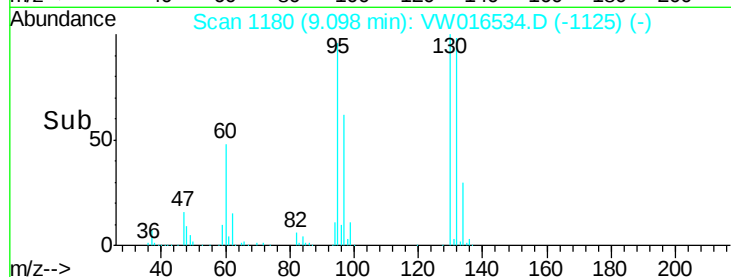


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 24.558 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VW016534.D

Acq: 10 Sep 2020 19:08

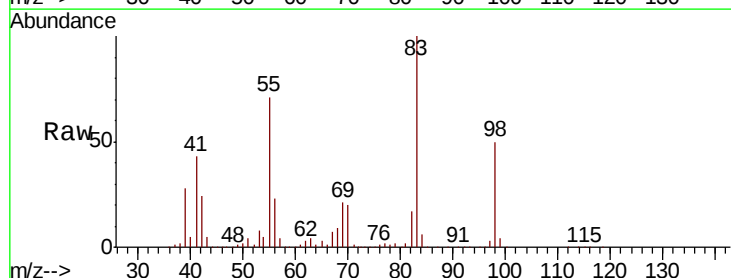
Tgt Ion: 83 Resp: 324537

Ion Ratio Lower Upper

83 100

55 71.5 60.9 91.3

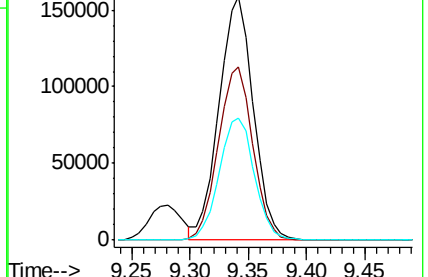
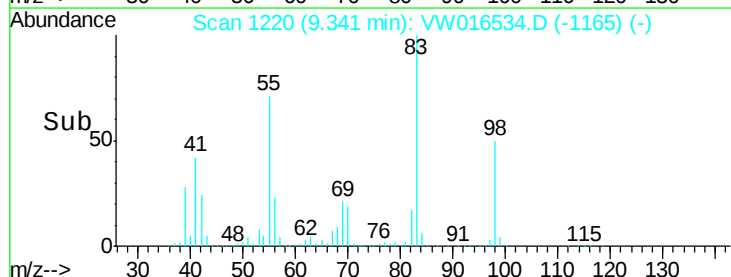
98 51.2 40.0 60.0

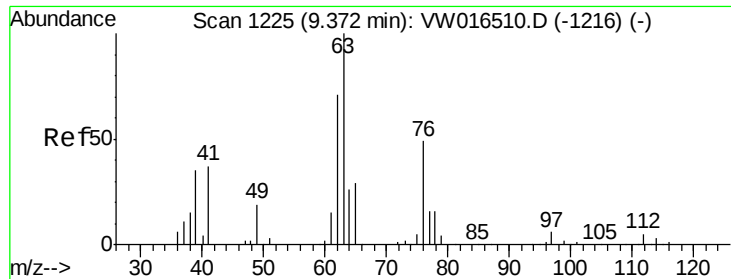


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

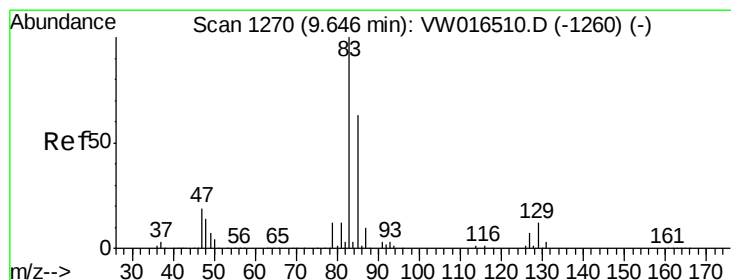
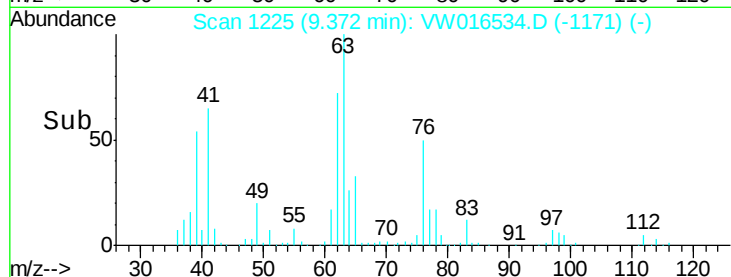
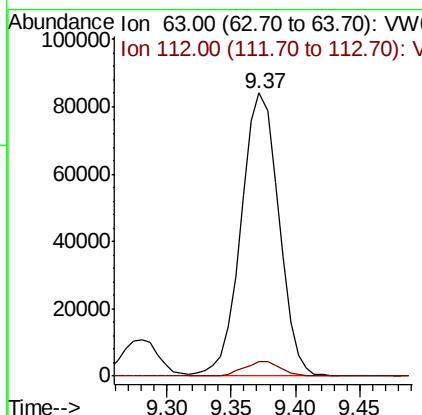
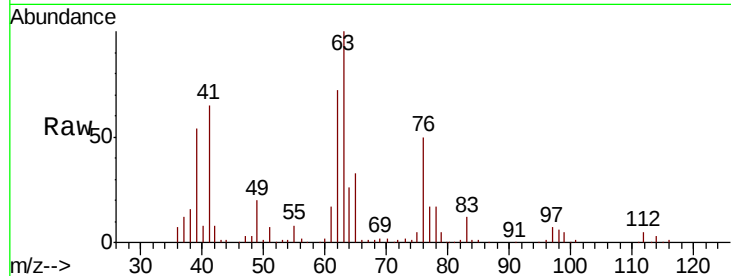




#40
 1,2-Dichloropropane
 Concen: 25.354 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW016534.D
 Acq: 10 Sep 2020 19:08

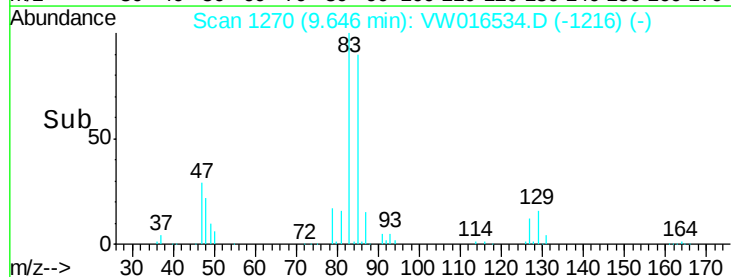
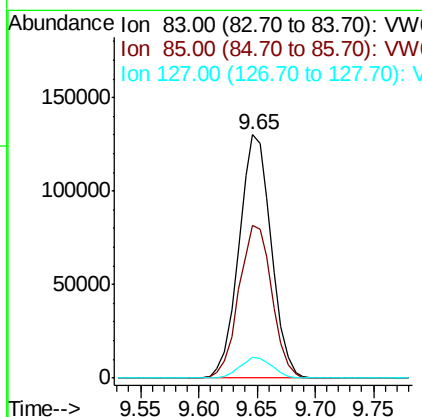
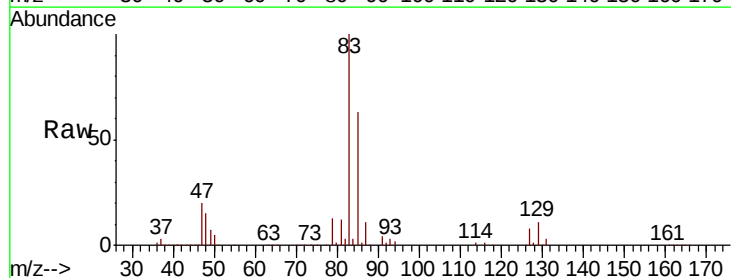
Instrument :
 MSVOA_W
 ClientSampleID :
 VSTD02518

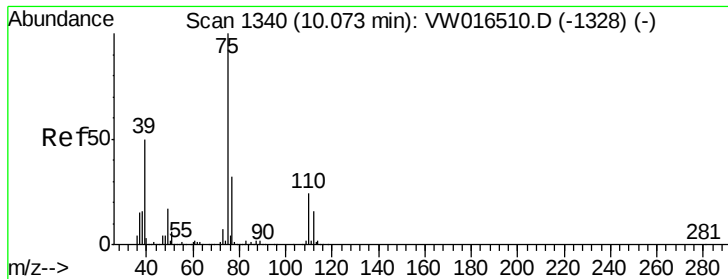
Tot Ion: 63 Resp: 170879
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.8 5.8



#41
 Bromodichloromethane
 Concen: 26.621 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW016534.D
 Acq: 10 Sep 2020 19:08

Tgt Ion: 83 Resp: 250838
 Ion Ratio Lower Upper
 83 100
 85 62.5 43.5 80.7
 127 8.4 6.7 10.1





#42

cis-1,3-Dichloropropene

Concen: 25.282 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW016534.D

Acq: 10 Sep 2020 19:08

Instrument :

MSVOA_W

ClientSampleId :

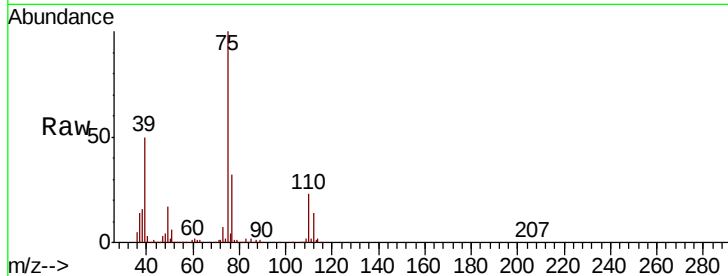
VSTD02518

Tot Ion: 75 Resp: 289159

Ion Ratio Lower Upper

75 100

77 31.5 20.9 38.7



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

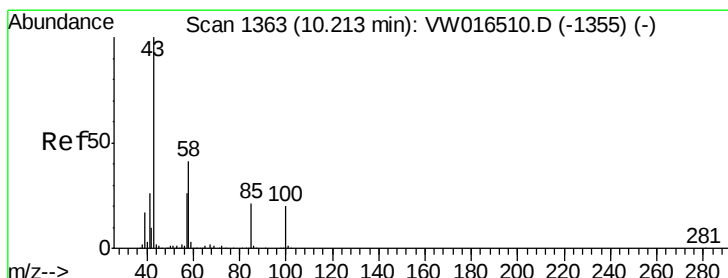
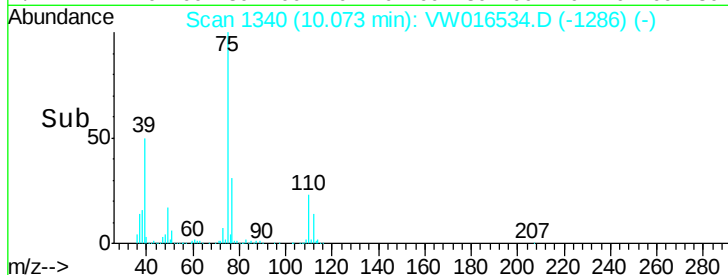
150000

100000

50000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 43.768 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW016534.D

Acq: 10 Sep 2020 19:08

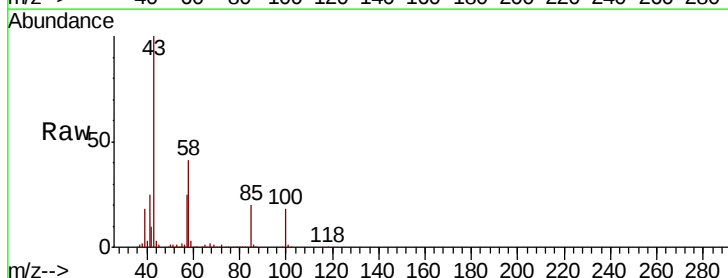
Tgt Ion: 43 Resp: 208883

Ion Ratio Lower Upper

43 100

58 39.5 30.6 45.8

100 17.6 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

250000

200000

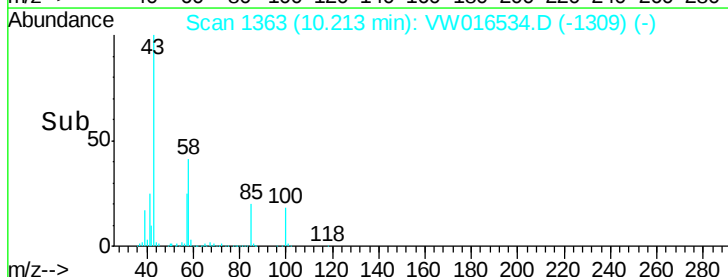
150000

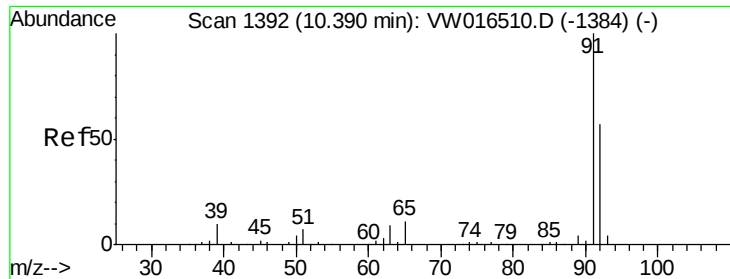
100000

50000

0

Time-->





#44

Toluene

Concen: 26.631 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016534.D

Acq: 10 Sep 2020 19:08

Instrument :

MSVOA_W

ClientSampleId :

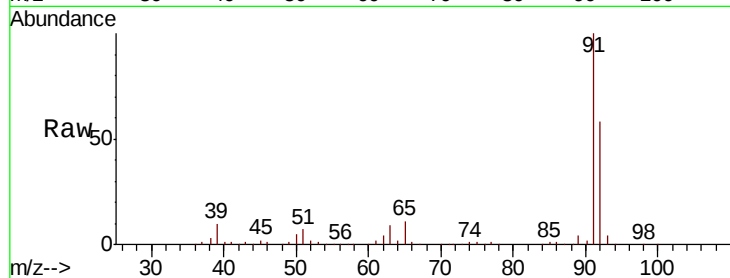
VSTD02518

Tot Ion: 91 Resp: 812334

Ion Ratio Lower Upper

91 100

92 58.1 39.5 73.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

500000

400000

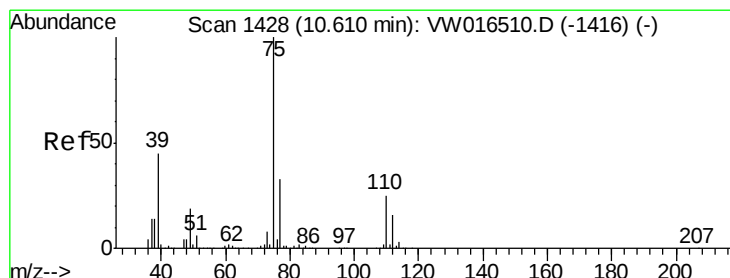
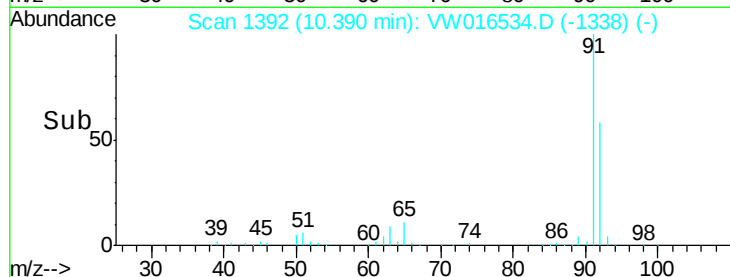
300000

200000

100000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 25.205 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016534.D

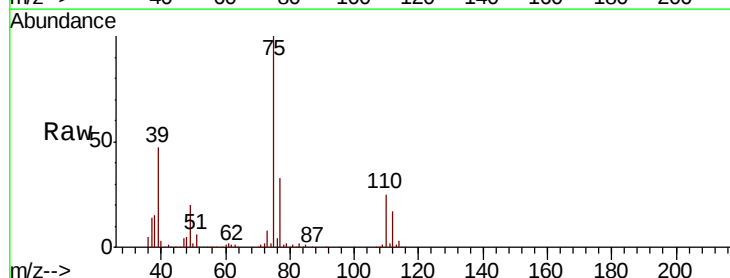
Acq: 10 Sep 2020 19:08

Tgt Ion: 75 Resp: 257682

Ion Ratio Lower Upper

75 100

77 32.9 21.9 40.7



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.61

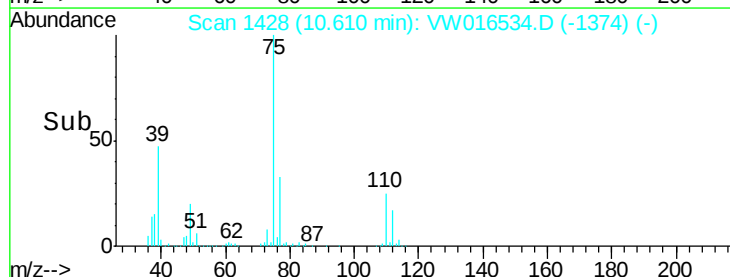
150000

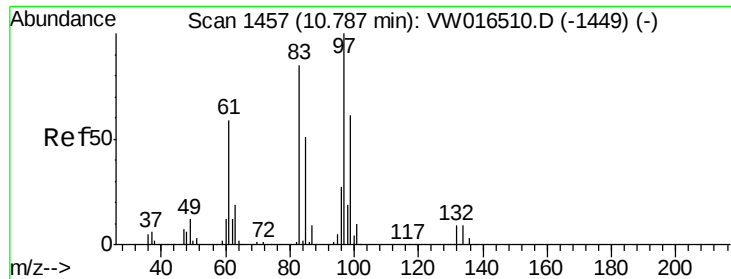
100000

50000

0

Time-->

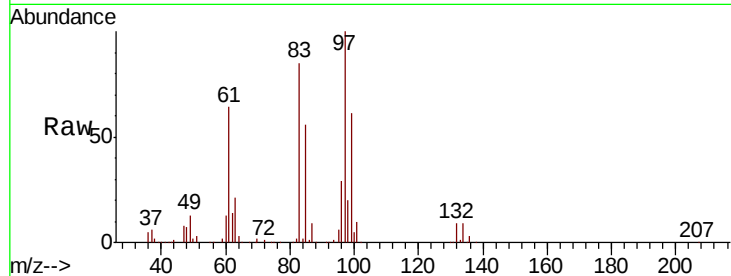




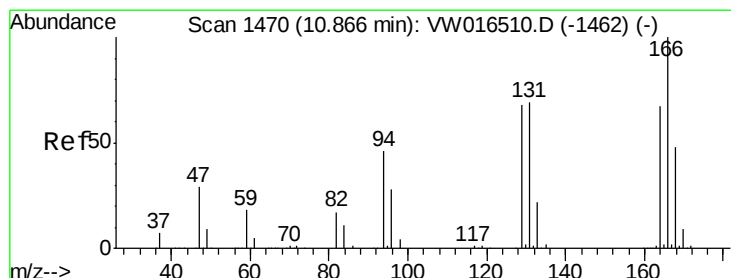
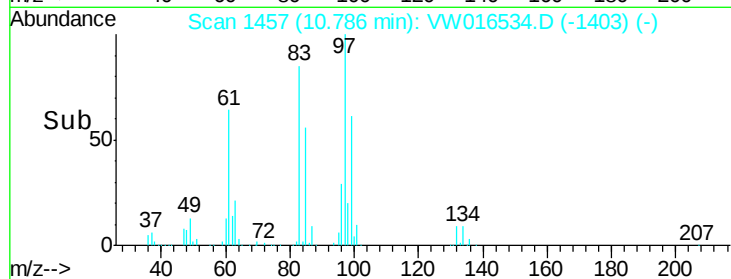
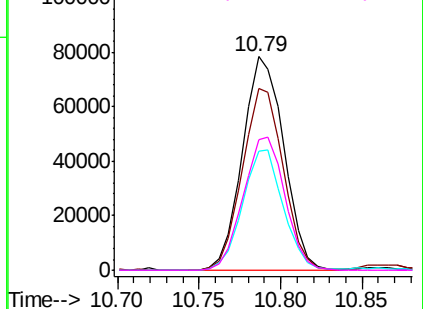
#46
1,1,2-Trichloroethane
Concen: 25.947 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW016534.D
Acq: 10 Sep 2020 19:08

Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

Tot Ion: 97 Resp: 138604
Ion Ratio Lower Upper
97 100
83 85.1 59.7 110.9
85 55.6 37.6 69.8
99 61.3 42.3 78.5

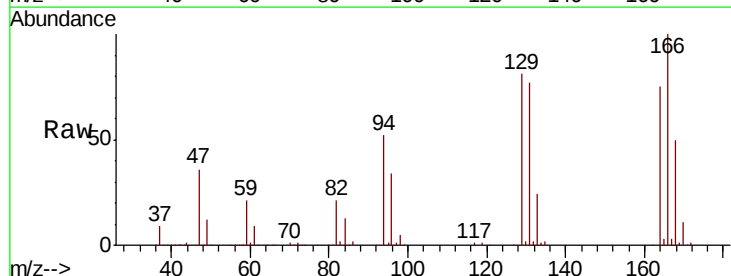


Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW
Ion 99.00 (98.70 to 99.70): VW

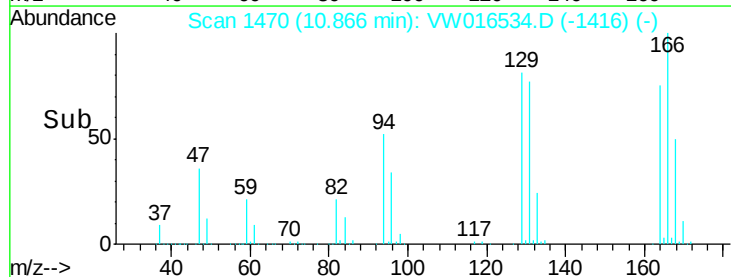
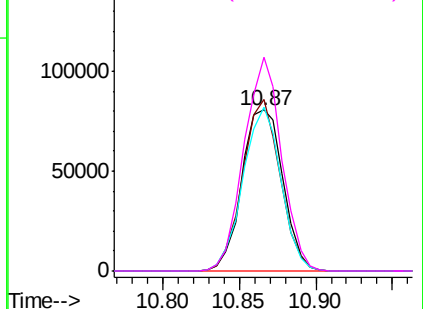


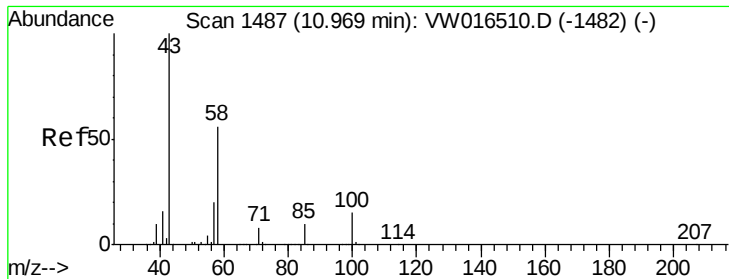
#47
Tetrachloroethene
Concen: 24.897 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW016534.D
Acq: 10 Sep 2020 19:08

Tgt Ion: 164 Resp: 150775
Ion Ratio Lower Upper
164 100
129 106.8 65.7 121.9
131 101.9 61.1 113.5
166 132.7 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

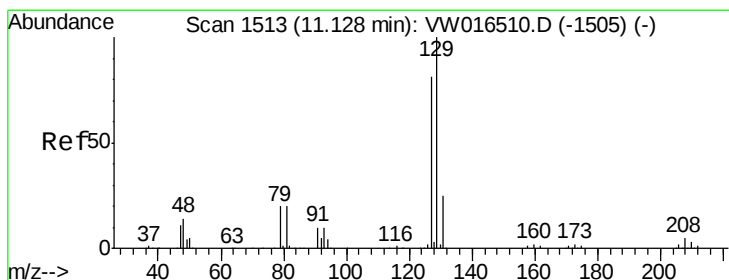
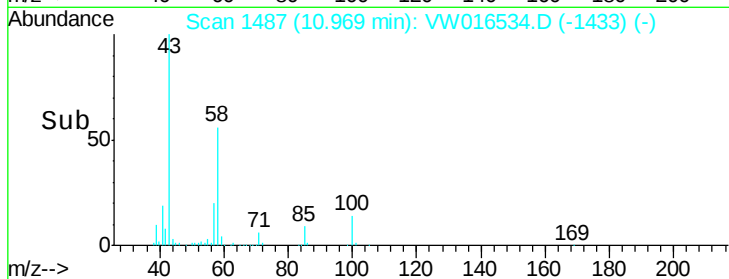
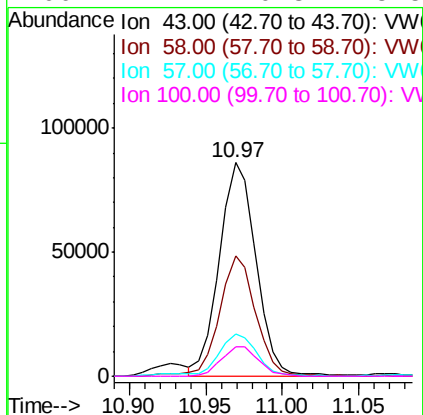
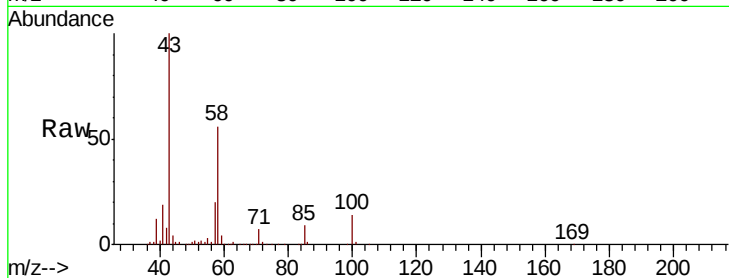




#49
2-Hexanone
Concen: 43.108 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW016534.D
Acq: 10 Sep 2020 19:08

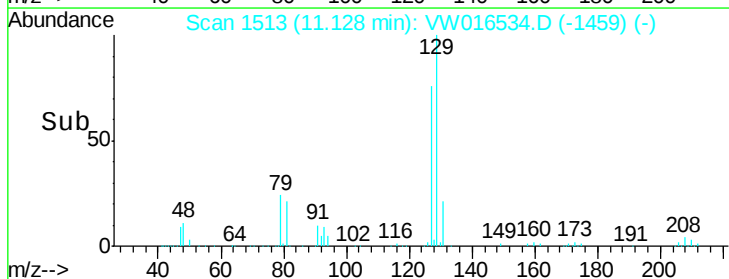
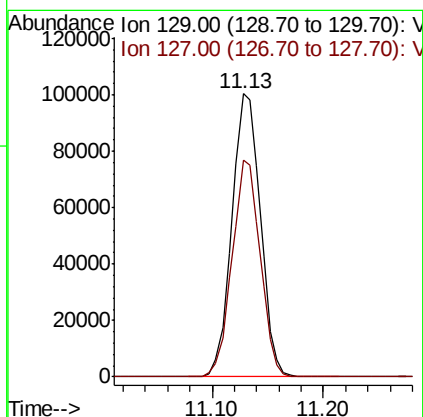
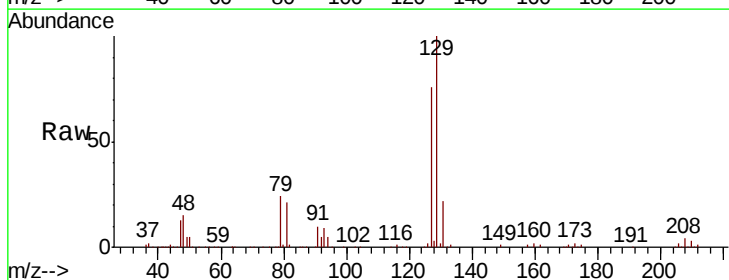
Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

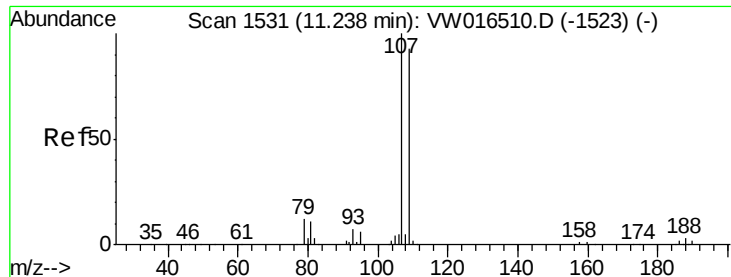
Tot Ion:	43	Resp:	143278
Ion	Ratio	Lower	Upper
43	100		
58	54.6	42.1	63.1
57	20.0	14.9	22.3
100	14.1	10.3	15.5



#50
Dibromochloromethane
Concen: 26.333 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW016534.D
Acq: 10 Sep 2020 19:08

Tgt Ion:	129	Resp:	177868
Ion	Ratio	Lower	Upper
129	100		
127	76.4	55.4	103.0

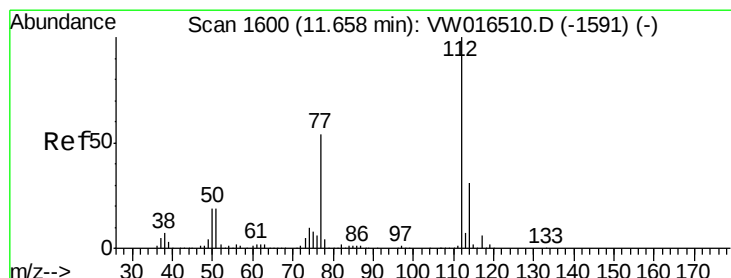
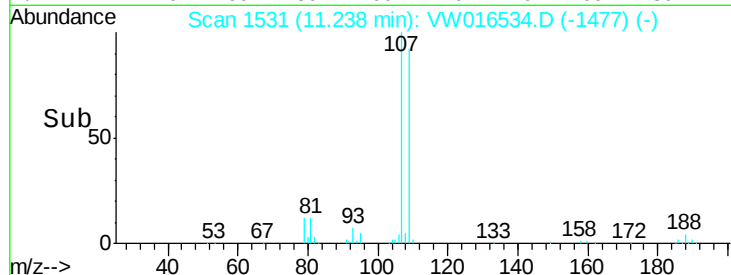
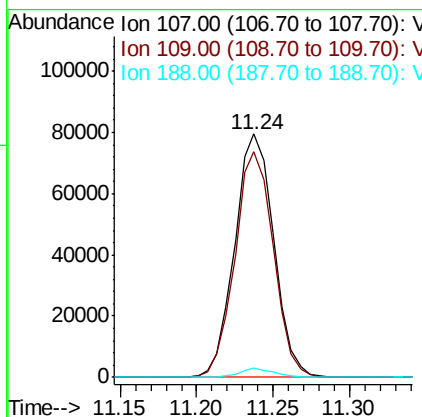
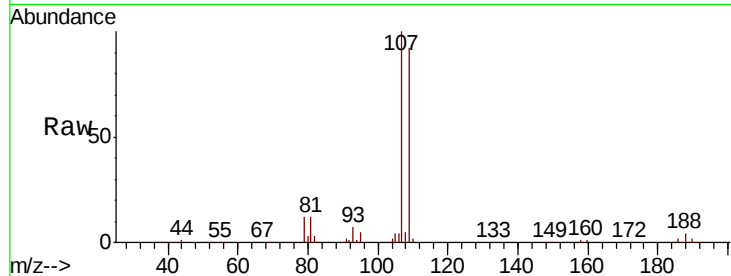




#51
 1,2-Dibromoethane
 Concen: 26.404 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW016534.D
 Acq: 10 Sep 2020 19:08

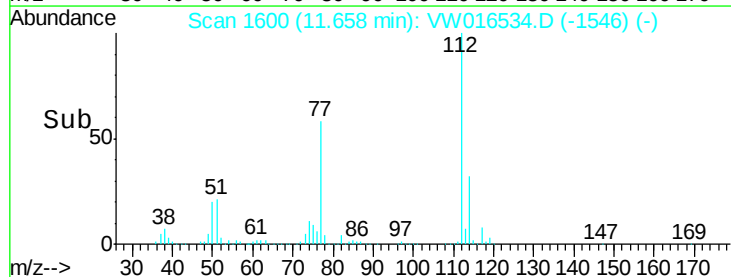
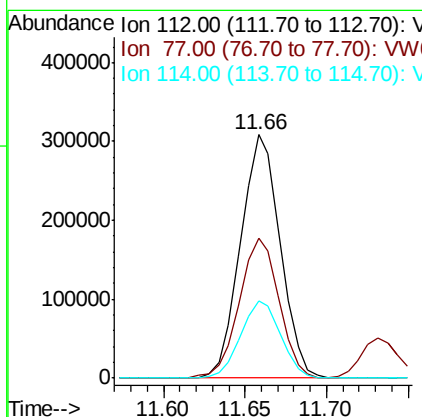
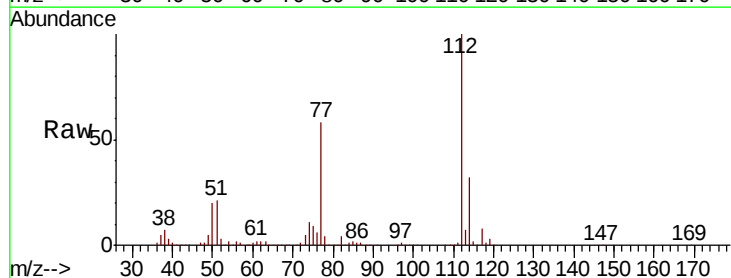
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

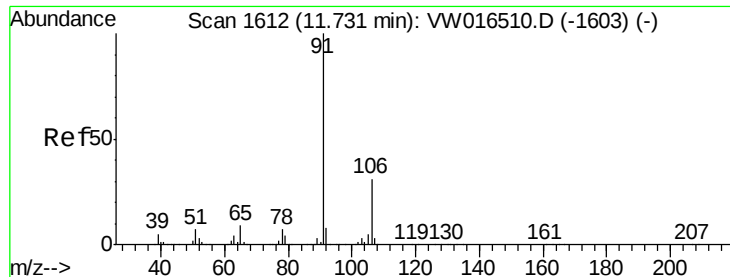
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.5	64.8	120.4
188	4.1	3.4	5.0



#52
 Chlorobenzene
 Concen: 26.898 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW016534.D
 Acq: 10 Sep 2020 19:08

Tgt Ion	Ratio	Lower	Upper
112	100		
77	57.7	46.2	69.2
114	31.6	21.1	39.3

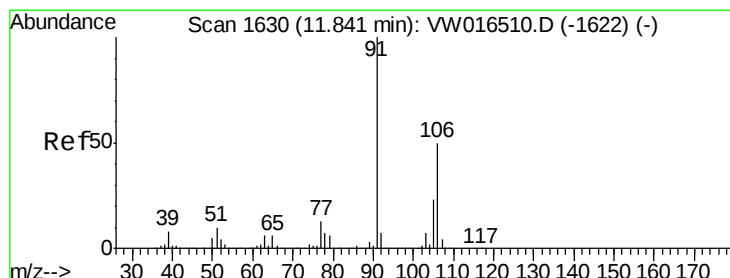
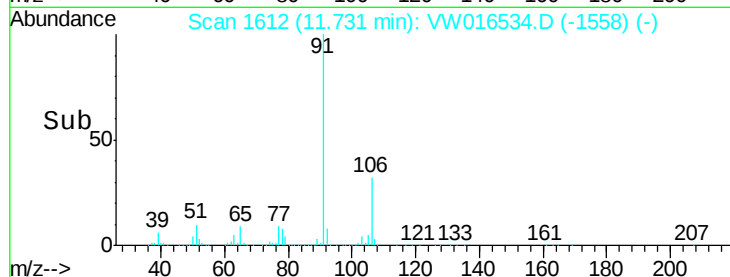
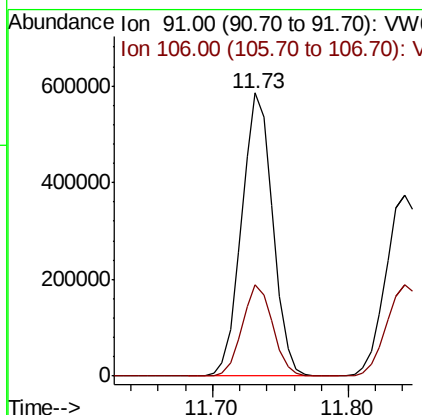
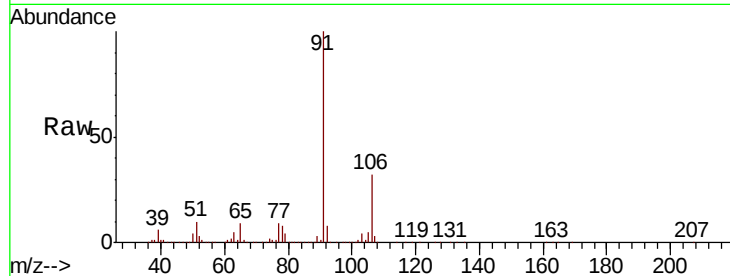




#53
Ethylbenzene
Concen: 27.249 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW016534.D
Acq: 10 Sep 2020 19:08

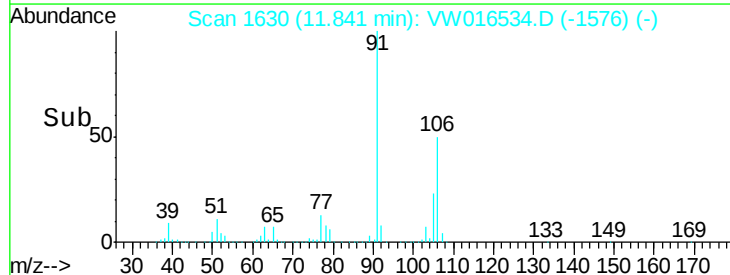
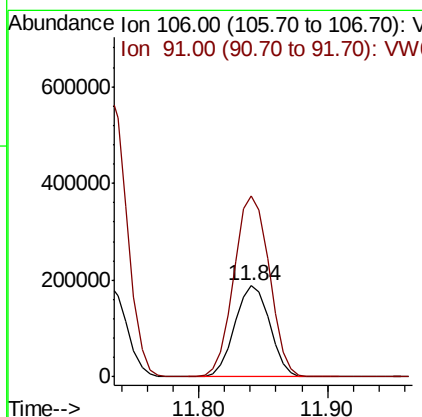
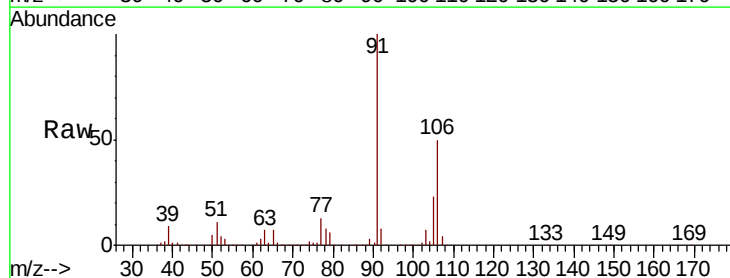
Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

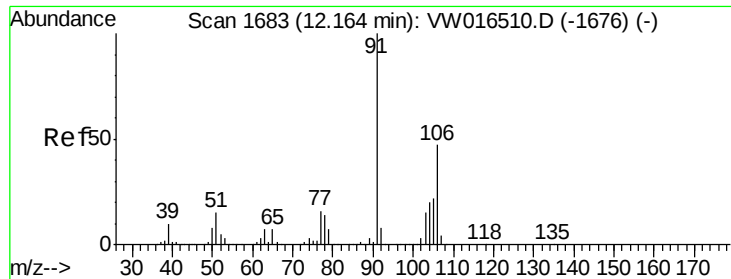
Tot Ion: 91 Resp: 936204
Ion Ratio Lower Upper
91 100
106 32.1 21.6 40.2



#54
m,p-Xylene
Concen: 27.143 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW016534.D
Acq: 10 Sep 2020 19:08

Tgt Ion: 106 Resp: 356421
Ion Ratio Lower Upper
106 100
91 199.2 142.3 264.3

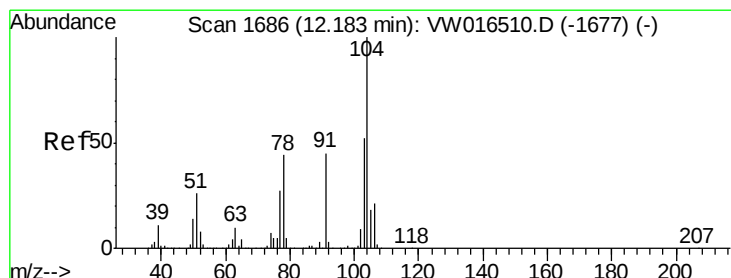
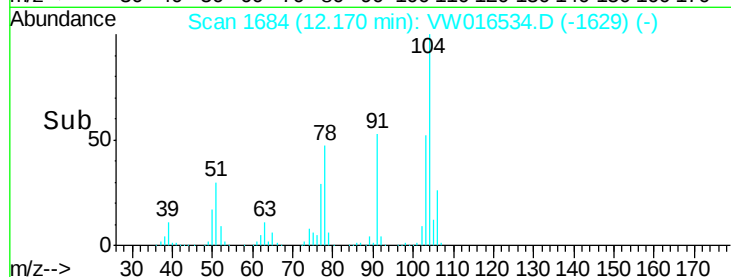
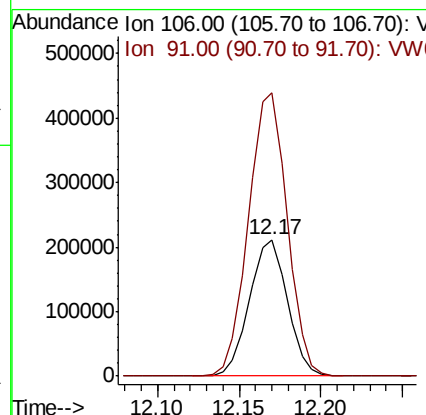
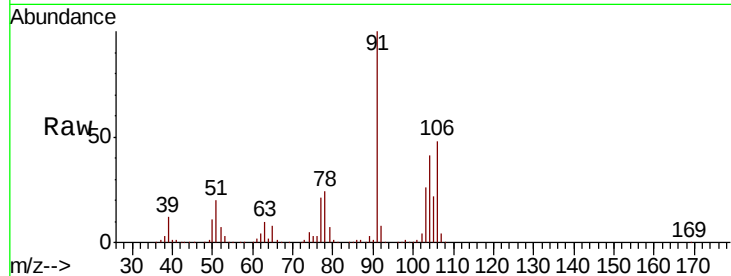




#55
o-xylene
Concen: 27.453 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW016534.D
Acq: 10 Sep 2020 19:08

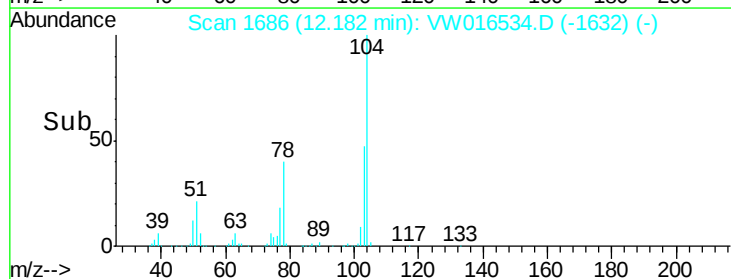
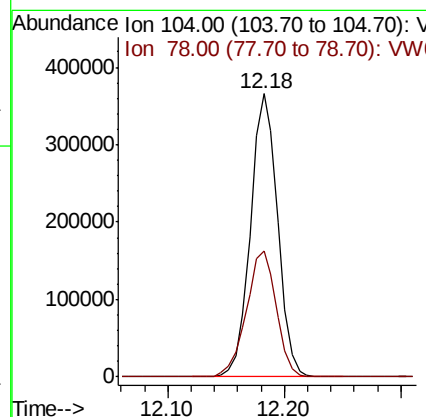
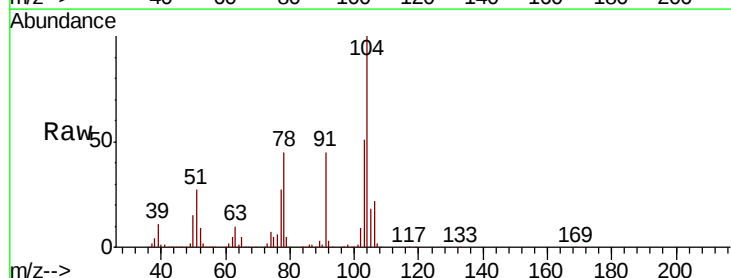
Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

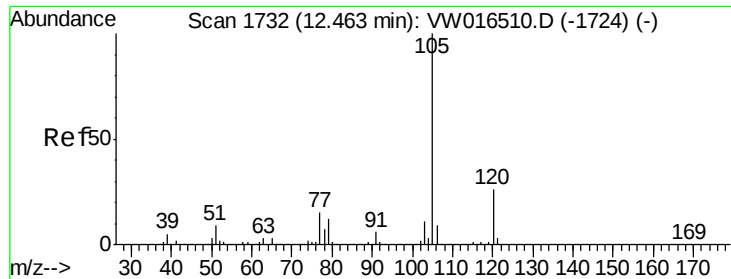
Tot Ion:106 Resp: 343391
Ion Ratio Lower Upper
106 100
91 207.5 144.3 267.9



#56
Styrene
Concen: 27.590 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW016534.D
Acq: 10 Sep 2020 19:08

Tgt Ion:104 Resp: 592957
Ion Ratio Lower Upper
104 100
78 44.6 32.8 61.0





#57

Isopropylbenzene

Concen: 27.420 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016534.D

Acq: 10 Sep 2020 19:08

Instrument :

MSVOA_W

ClientSampleId :

VSTD02518

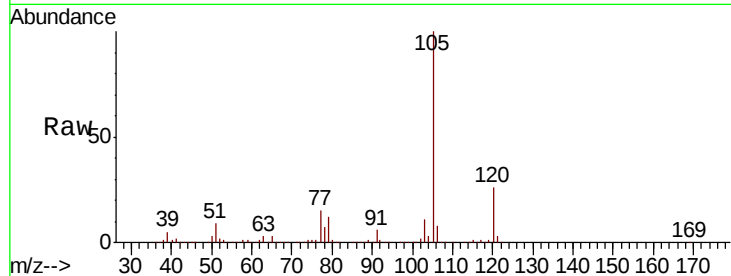
Tot Ion:105 Resp: 939526

Ion Ratio Lower Upper

105 100

120 26.2 21.9 32.9

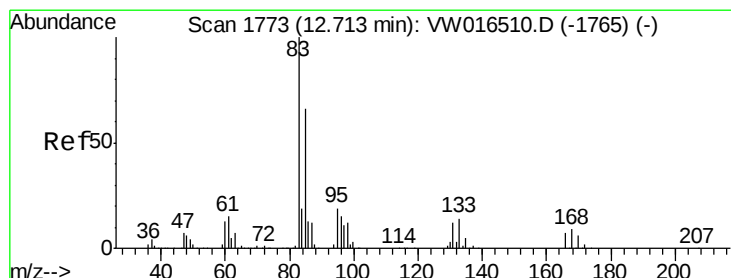
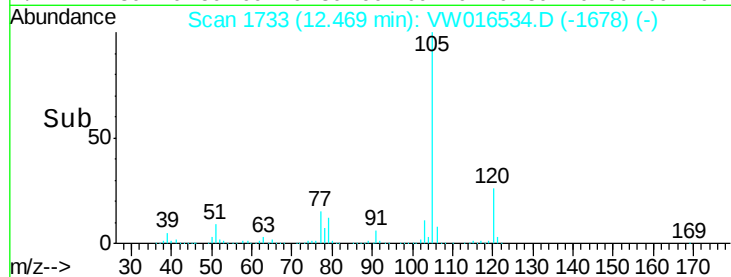
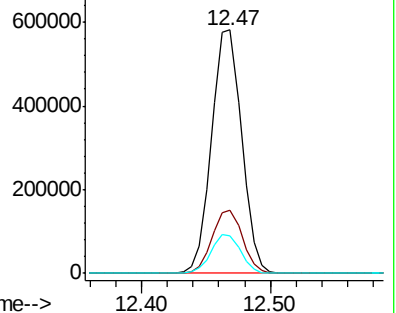
77 15.8 13.0 19.6



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: 26.590 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW016534.D

Acq: 10 Sep 2020 19:08

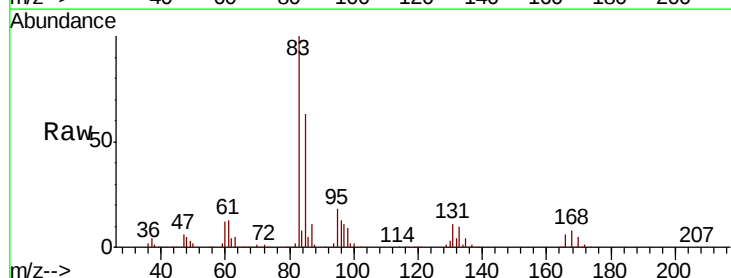
Tgt Ion: 83 Resp: 169319

Ion Ratio Lower Upper

83 100

85 62.7 45.3 84.1

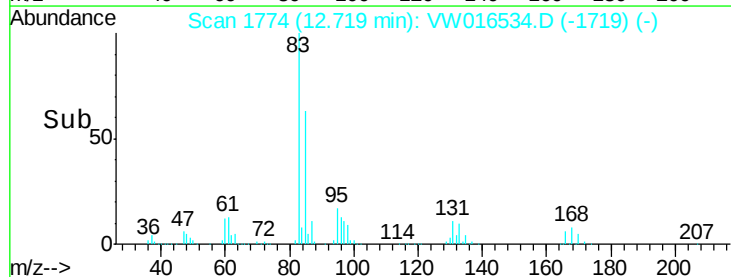
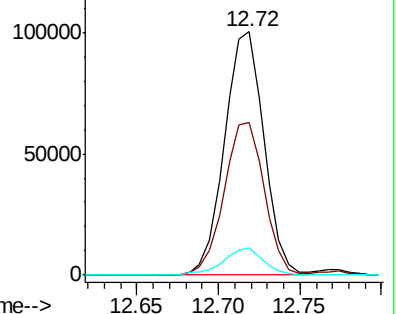
131 11.1 8.7 13.1

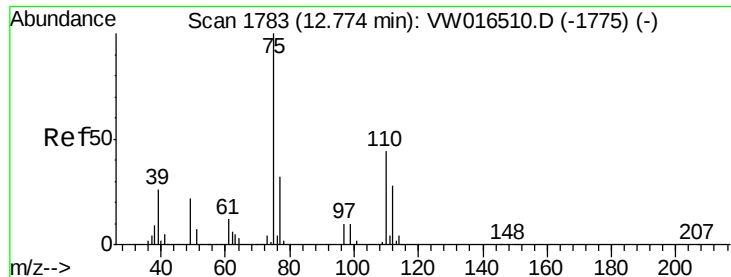


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.420 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW016534.D

Acq: 10 Sep 2020 19:08

Instrument :

MSVOA_W

ClientSampleId :

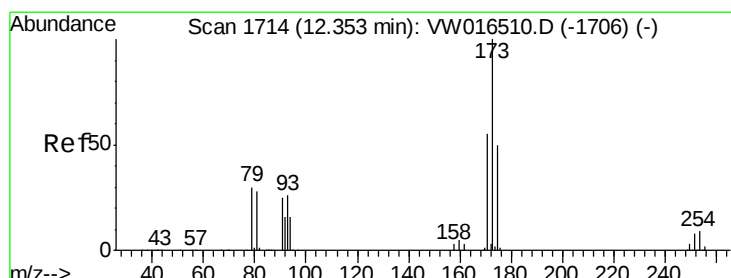
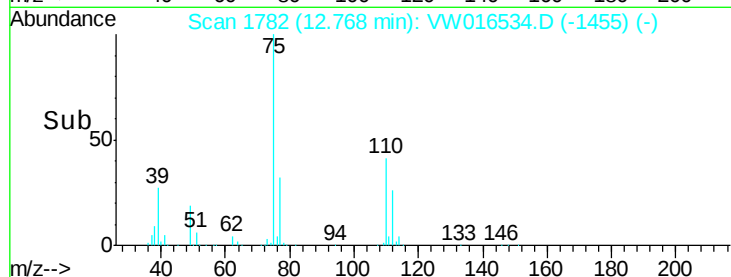
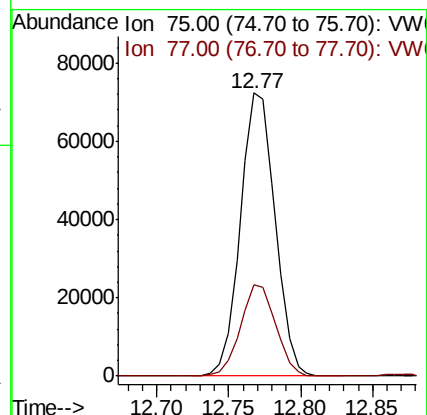
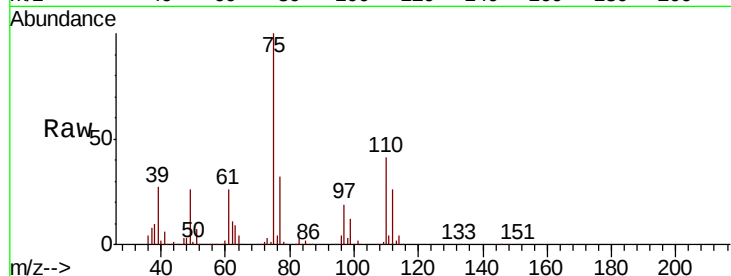
VSTD02518

Tot Ion: 75 Resp: 120981

Ion Ratio Lower Upper

75 100

77 32.6 26.0 39.0



#62

Bromoform

Concen: 22.939 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW016534.D

Acq: 10 Sep 2020 19:08

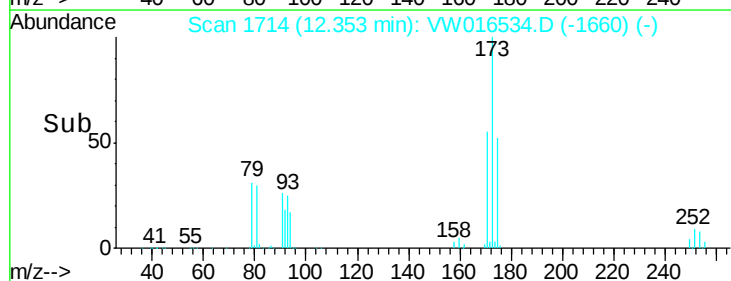
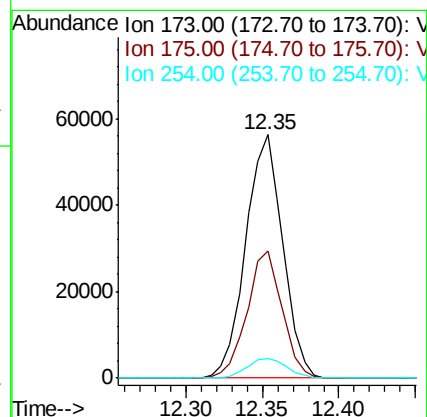
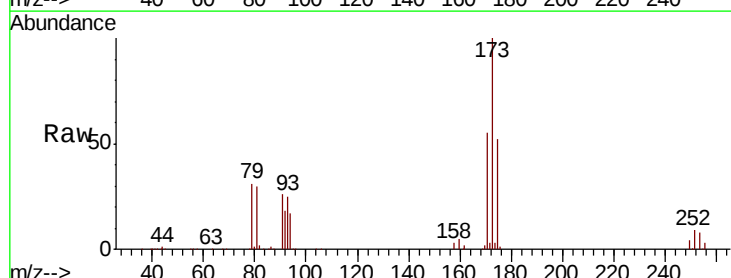
Tgt Ion: 173 Resp: 94805

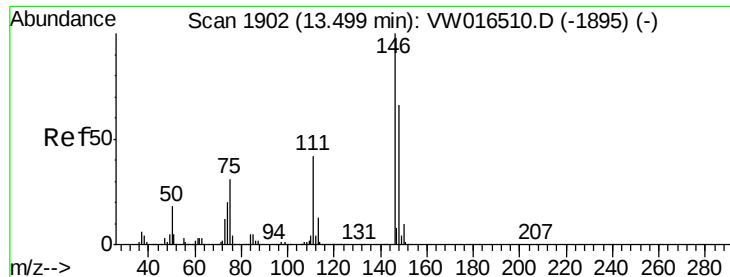
Ion Ratio Lower Upper

173 100

175 49.4 39.2 58.8

254 8.6 5.8 8.6

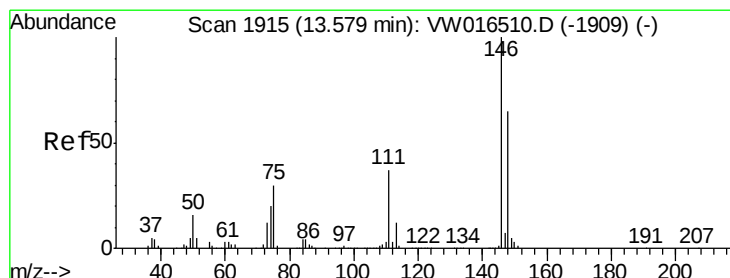
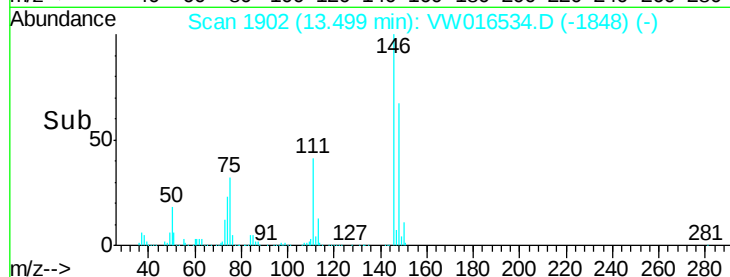
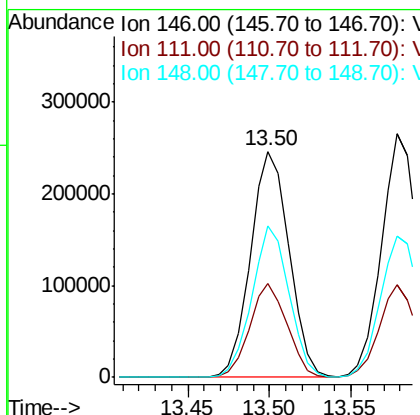
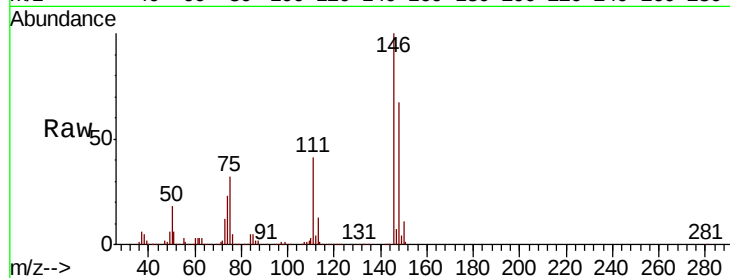




#63
 1,3-Dichlorobenzene
 Concen: 26.119 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW016534.D
 Acq: 10 Sep 2020 19:08

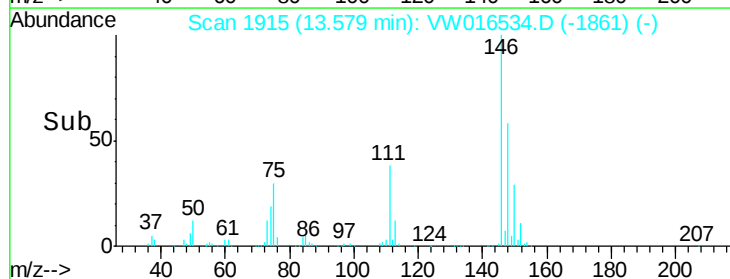
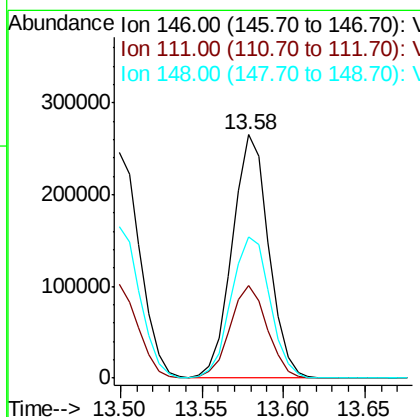
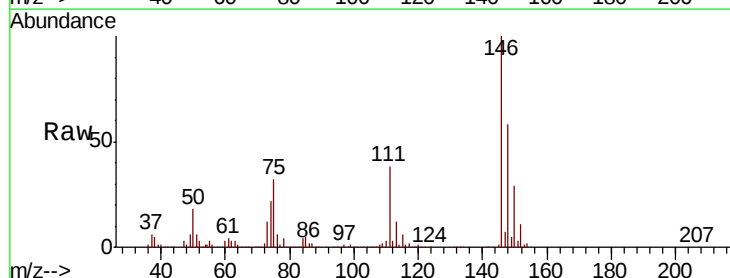
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

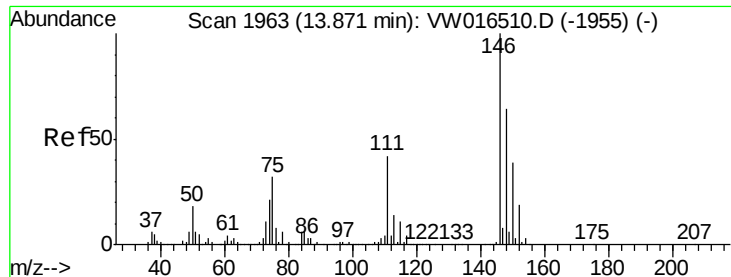
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	26.5	49.3
148	67.0	41.3	76.7



#64
 1,4-Dichlorobenzene
 Concen: 26.808 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW016534.D
 Acq: 10 Sep 2020 19:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	26.4	49.0
148	58.2	45.1	83.9





#65

1,2-Dichlorobenzene

Concen: 26.136 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW016534.D

Acq: 10 Sep 2020 19:08

Instrument :

MSVOA_W

ClientSampled :

VSTD02518

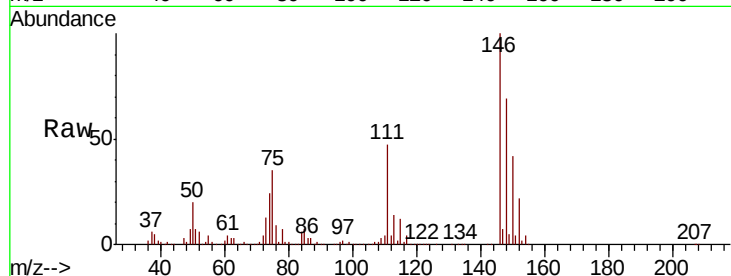
Tot Ion:146 Resp: 360237

Ion Ratio Lower Upper

146 100

111 46.6 35.3 52.9

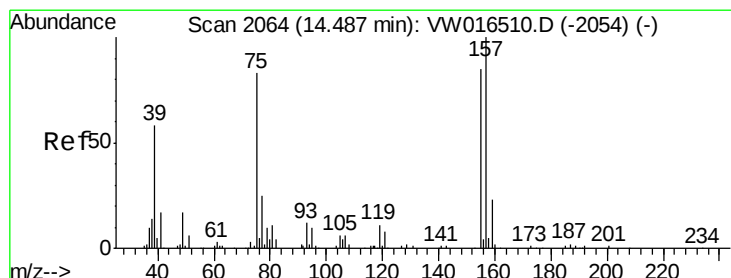
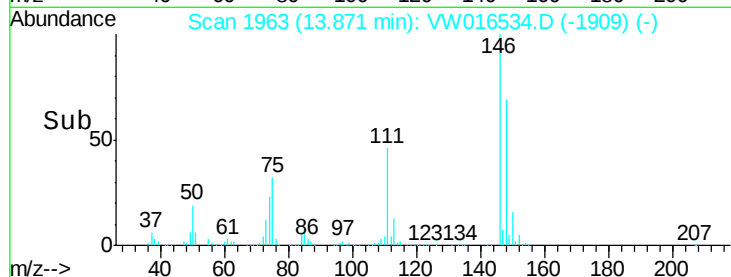
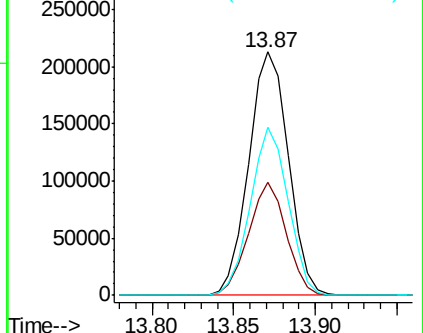
148 68.8 49.8 74.8



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: 22.977 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW016534.D

Acq: 10 Sep 2020 19:08

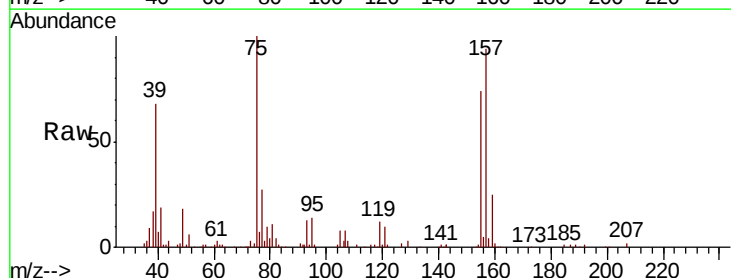
Tgt Ion: 75 Resp: 29490

Ion Ratio Lower Upper

75 100

157 93.8 91.4 137.0

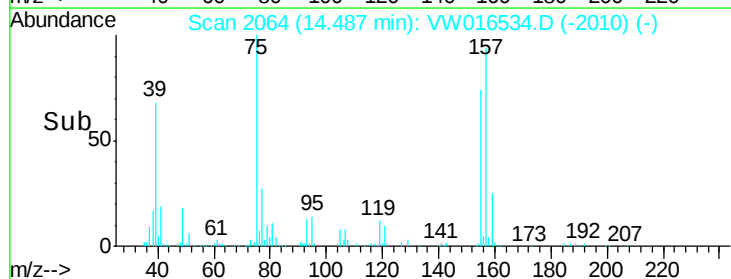
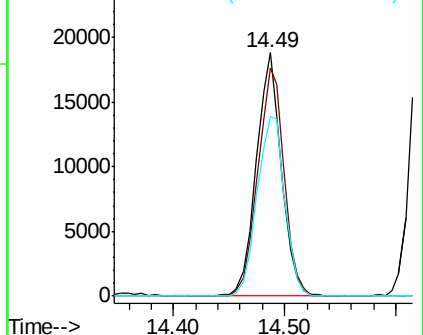
155 73.8 71.3 106.9

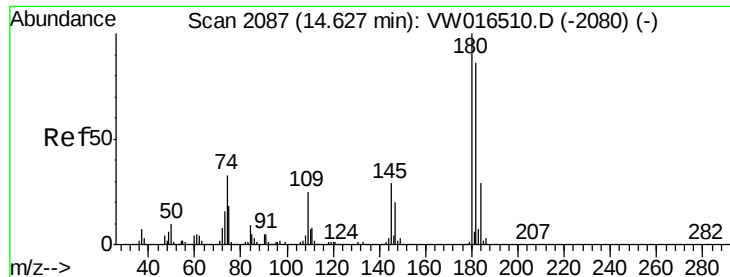


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

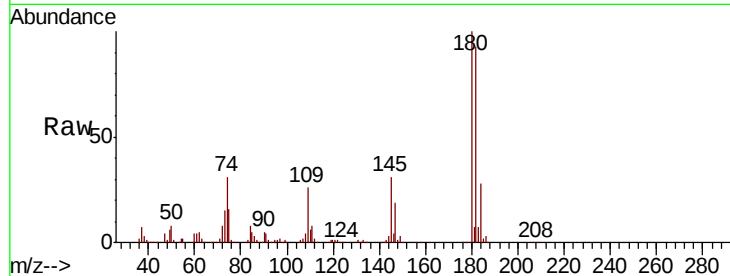




#67
 1,3,5-Trichlorobenzene
 Concen: 24.203 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW016534.D
 Acq: 10 Sep 2020 19:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

Tot Ion:180	Resp:	258675
Ion Ratio	Lower	Upper
180	100	
182	96.8	75.8 113.8
184	30.3	24.2 36.2
145	32.6	24.6 36.8



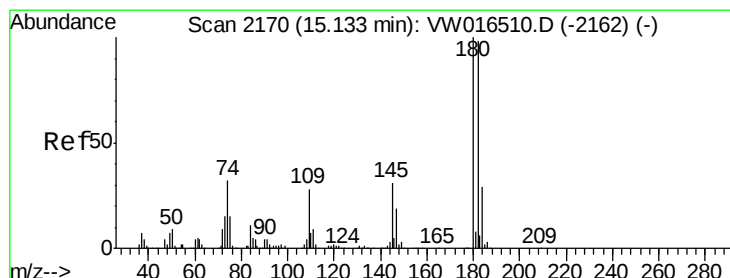
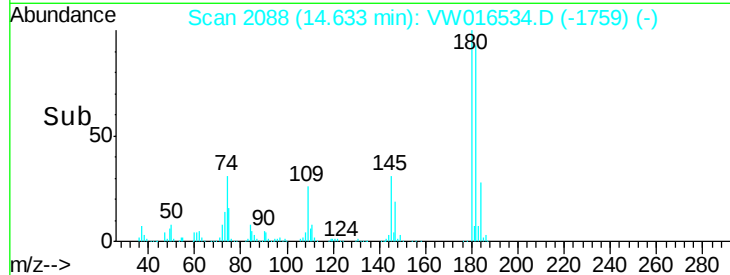
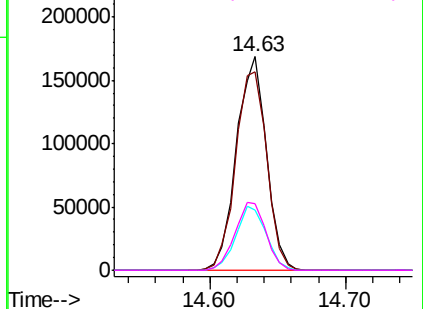
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

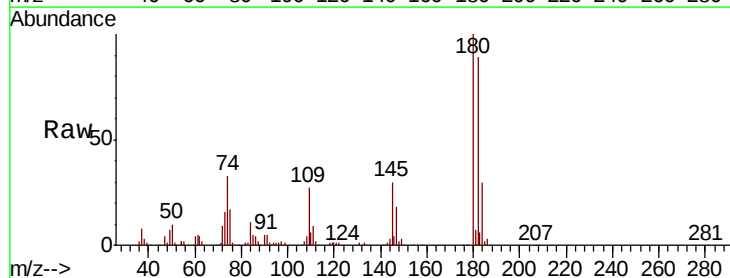
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.438 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016534.D
 Acq: 10 Sep 2020 19:08

Tgt Ion:180	Resp:	225915
Ion Ratio	Lower	Upper
180	100	
182	92.6	78.5 117.7
145	31.1	25.6 38.4

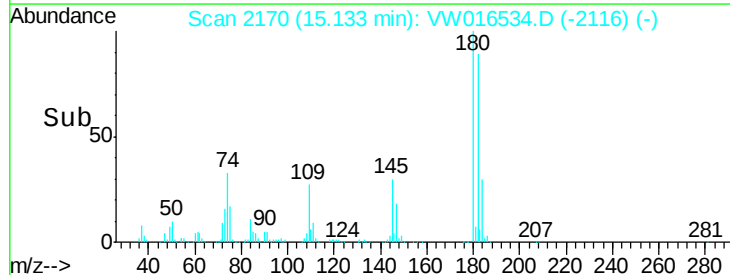
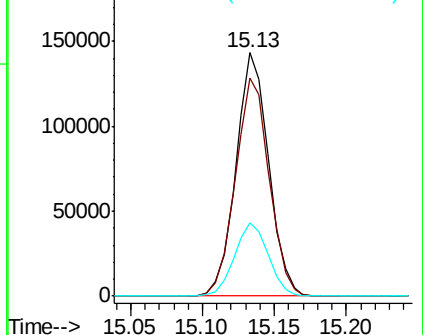


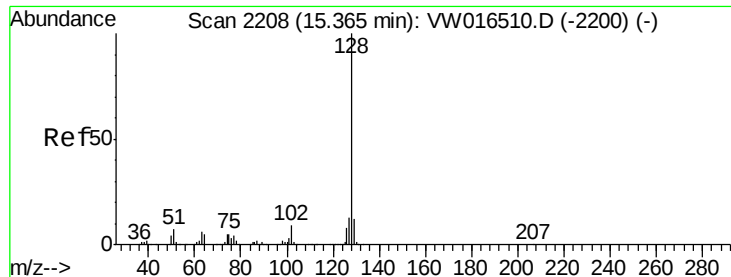
Abundance

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: 24.967 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW016534.D

Acq: 10 Sep 2020 19:08

Instrument :

MSVOA_W

ClientSampleId :

VSTD02518

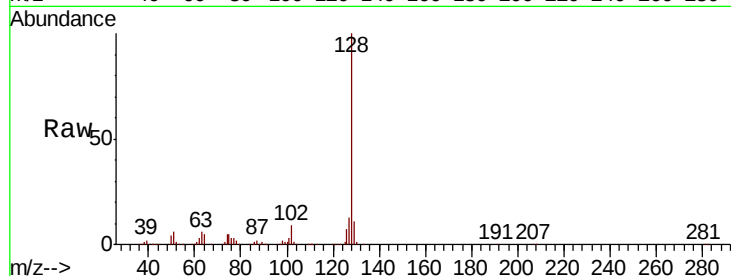
Tot Ion:128 Resp: 487122

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

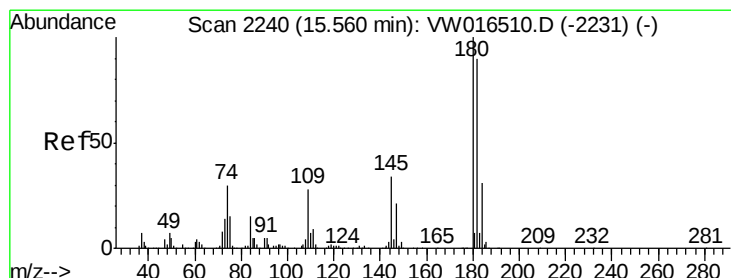
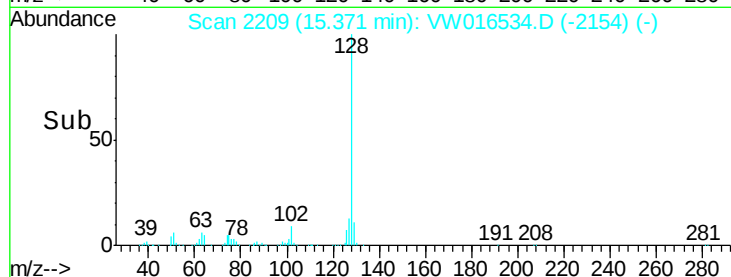
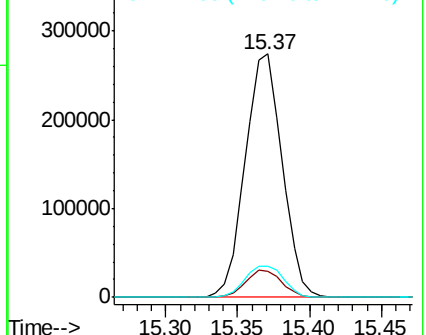
127 13.6 10.5 15.7



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: 24.050 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW016534.D

Acq: 10 Sep 2020 19:08

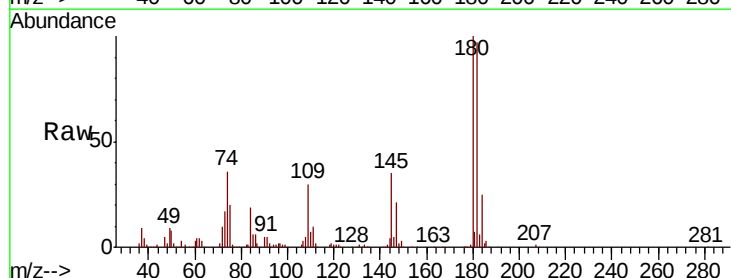
Tgt Ion:180 Resp: 190892

Ion Ratio Lower Upper

180 100

182 96.6 76.1 114.1

145 34.9 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

