

Data File : VU038674.D
Acq On : 08 Jun 2020 17:01
Operator : SY/MD
Sample : VSTD100
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD10033

Quant Time: Jun 08 17:29:59 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Jun 08 16:57:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	620680	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	612250	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	317640	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	348939	89.56	ug/L	0.00
7) Chloroethane-d5	1.93	69	258369	85.83	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	744794	93.52	ug/L	0.00
21) 2-Butanone-d5	4.66	46	674540	182.21	ug/L	0.00
24) Chloroform-d	5.10	84	737290	96.36	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	476532	90.88	ug/L	0.00
32) Benzene-d6	5.76	84	1469450	92.37	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	450427	91.34	ug/L	0.00
41) Toluene-d8	7.92	98	1337830	95.13	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	239256	97.45	ug/L	0.00
47) 2-Hexanone-d5	8.65	63	504410	194.28	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	691463	94.74	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	541615	91.99	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	466239	99.796	ug/L	99
3) Chloromethane	1.53	50	455559	105.800	ug/L	100
5) Vinyl chloride	1.62	62	478351	100.562	ug/L	99
6) Bromomethane	1.87	94	259632	133.416	ug/L	99
8) Chloroethane	1.95	64	281066	96.700	ug/L	98
9) Trichlorofluoromethane	2.16	101	654526	102.671	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	373924	98.099	ug/L	98
12) 1,1-Dichloroethene	2.60	96	385316	102.392	ug/L	91
13) Acetone	2.66	43	512138	166.495	ug/L	98
14) Carbon disulfide	2.82	76	1240080	101.041	ug/L	99
15) Methyl Acetate	2.98	43	555703	100.783	ug/L	99
16) Methylene chloride	3.08	84	446336	103.220	ug/L	98
17) trans-1,2-Dichloroethene	3.39	96	417277	103.230	ug/L	99
18) Methyl tert-butyl Ether	3.40	73	1399485	107.968	ug/L	100
19) 1,1-Dichloroethane	3.91	63	791754	103.431	ug/L	100
20) cis-1,2-Dichloroethene	4.71	96	463867	104.756	ug/L	98
22) 2-Butanone	4.75	43	828333	192.071	ug/L	99
23) Bromochloromethane	5.01	128	231548	105.623	ug/L	98
25) Chloroform	5.12	83	801518	101.818	ug/L	97
27) 1,2-Dichloroethane	5.83	62	656014	102.921	ug/L	100
29) Cyclohexane	5.42	56	685052	97.588	ug/L	100
30) 1,1,1-Trichloroethane	5.35	97	697545	104.774	ug/L	99
31) Carbon tetrachloride	5.56	117	579737	104.482	ug/L	100
33) Benzene	5.81	78	1779088	103.462	ug/L	100
34) Trichloroethene	6.57	95	450278	102.346	ug/L	100
35) Methylcyclohexane	6.79	83	688915	99.734	ug/L	98
37) 1,2-Dichloropropane	6.82	63	461638	103.516	ug/L	99
38) Bromodichloromethane	7.13	83	608165	106.416	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	752834	106.086	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	1495189	210.817	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	1904337	105.487	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	727277	109.484	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	450568	106.466	ug/L	99
46) Tetrachloroethene	8.57	164	329156	102.336	ug/L	98
48) 2-Hexanone	8.71	43	1234508	206.156	ug/L	100
49) Dibromochloromethane	8.83	129	475167	110.892	ug/L	99
50) 1,2-Dibromoethane	8.94	107	495282	108.881	ug/L	99
51) Chlorobenzene	9.47	112	1199529	103.387	ug/L	99
52) Ethylbenzene	9.59	91	2135372	105.567	ug/L	99
53) m,p-Xylene	9.71	106	825269	106.686	ug/L	98
54) o-xylene	10.11	106	806015	107.172	ug/L	100
55) Styrene	10.13	104	1420421	109.889	ug/L	99
56) Isopropylbenzene	10.50	105	2091280	106.406	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	774962	107.006	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	664651	106.579	ug/L	100
61) Bromoform	10.31	173	356517	111.721	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	948642	102.160	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	959211	101.626	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	957525	103.984	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	208140	110.410	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	698667	105.721	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	681618	107.539	ug/L	99
69) Naphthalene	14.11	128	2581371	113.745	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	688970	108.811	ug/L	99

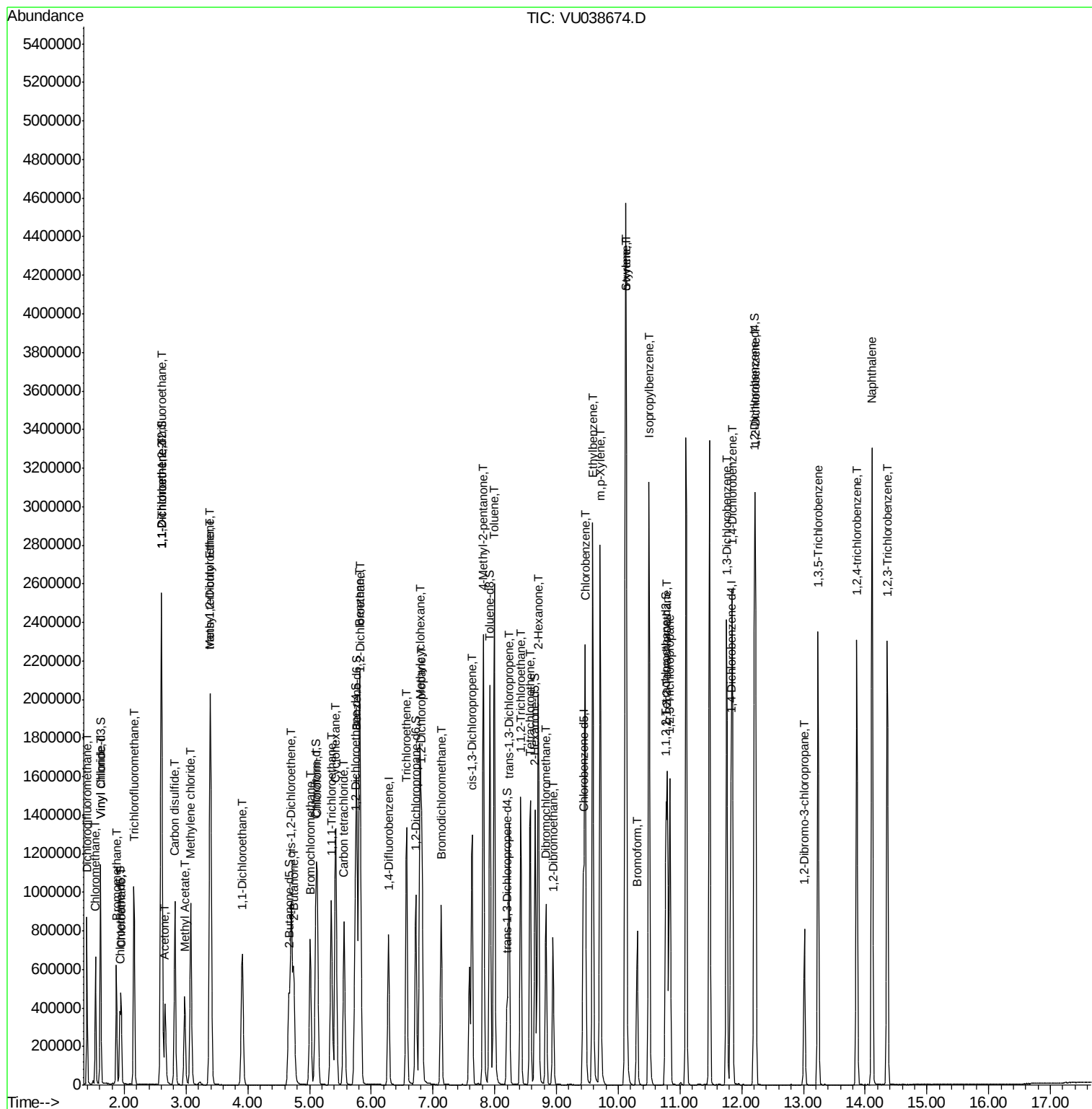
(#) = qualifier out of range (m) = manual integration (+) = signals summed

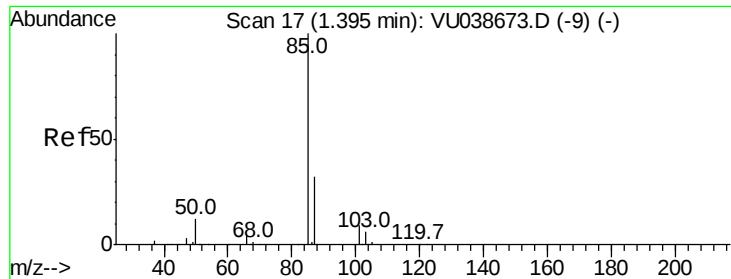
Data File : VU038674.D

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#2

Dichlorodifluoromethane

Concen: 99.796 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038674.D

Acq: 08 Jun 2020 17:01

Instrument :

MSVOA_U

ClientSampleId :

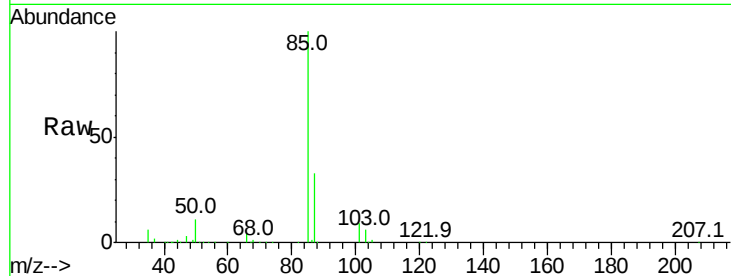
VSTD10033

Tgt Ion: 85 Resp: 466239

Ion Ratio Lower Upper

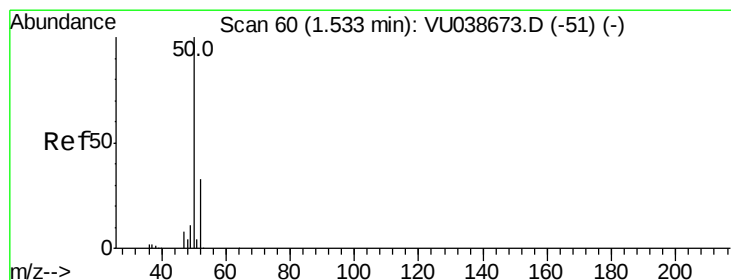
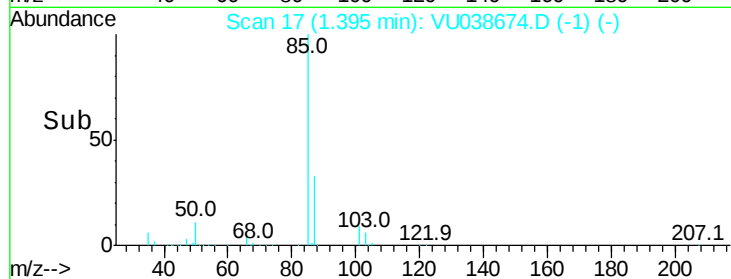
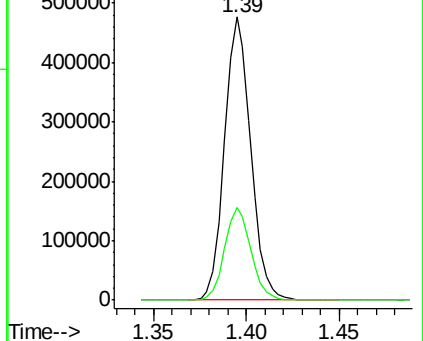
85 100

87 32.7 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 105.800 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038674.D

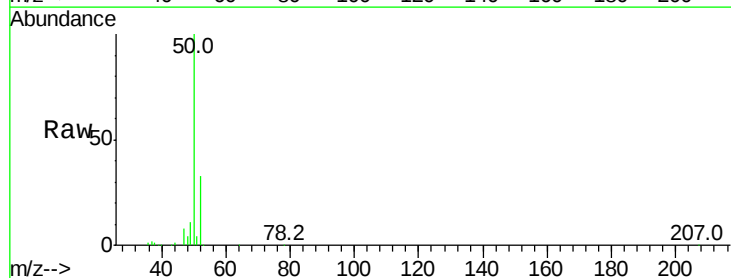
Acq: 08 Jun 2020 17:01

Tgt Ion: 50 Resp: 455559

Ion Ratio Lower Upper

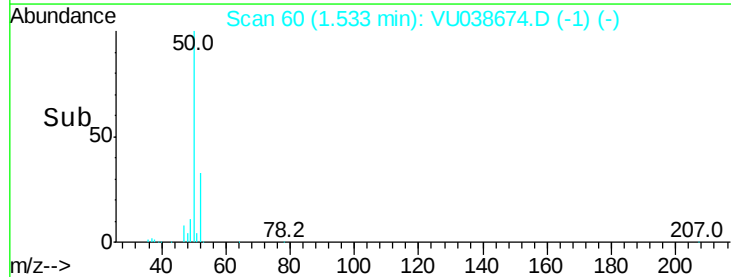
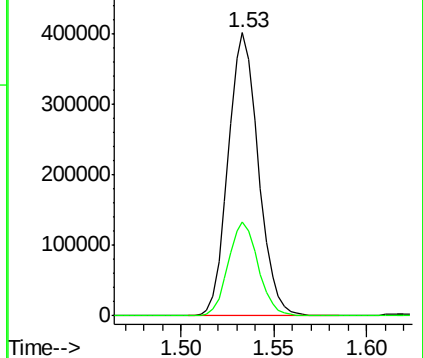
50 100

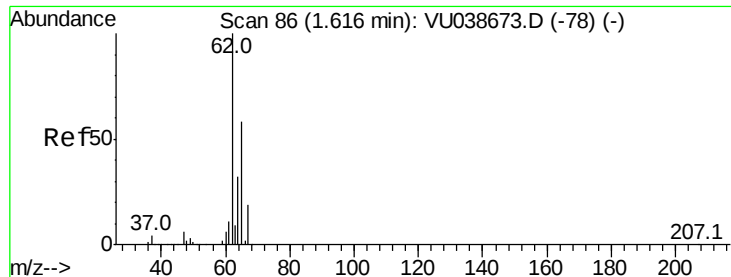
52 33.0 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 100.562 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038674.D

Acq: 08 Jun 2020 17:01

Instrument :

MSVOA_U

ClientSampleId :

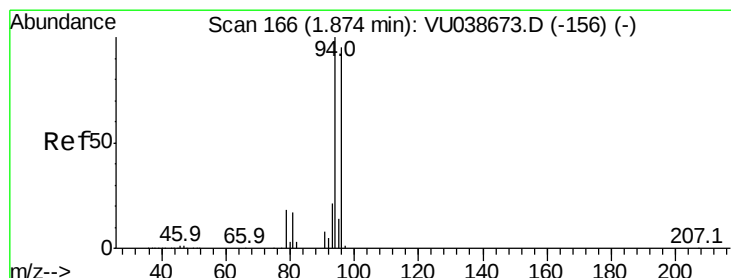
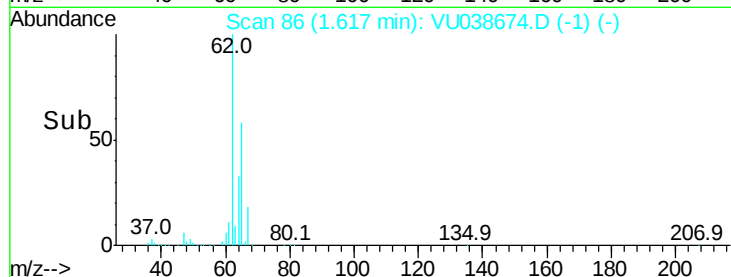
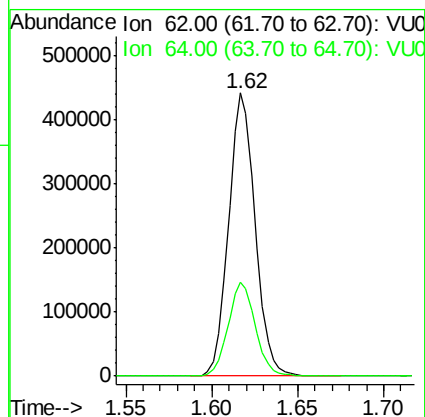
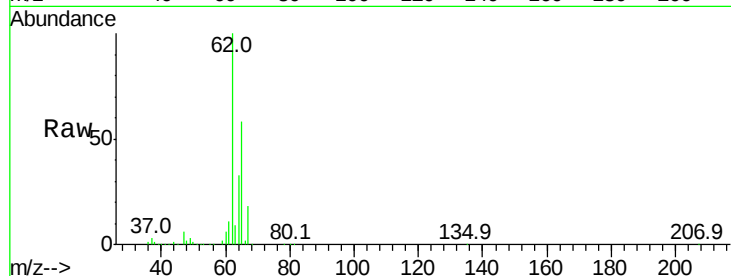
VSTD10033

Tgt Ion: 62 Resp: 478351

Ion Ratio Lower Upper

62 100

64 33.3 23.0 42.8



#6

Bromomethane

Concen: 133.416 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU038674.D

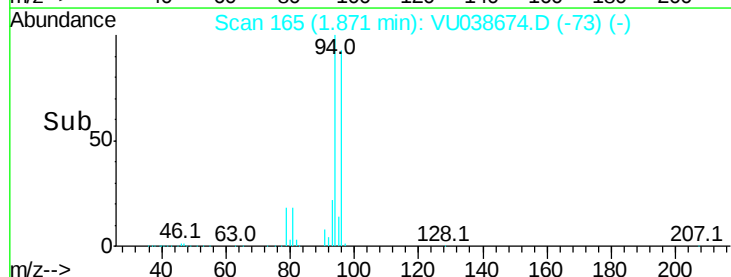
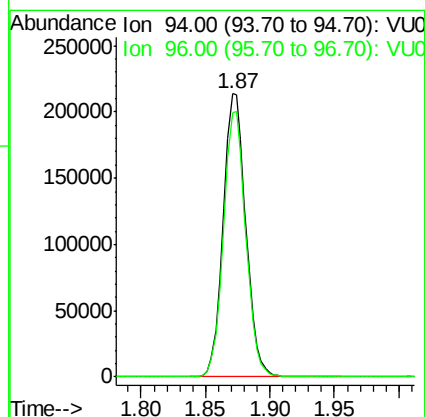
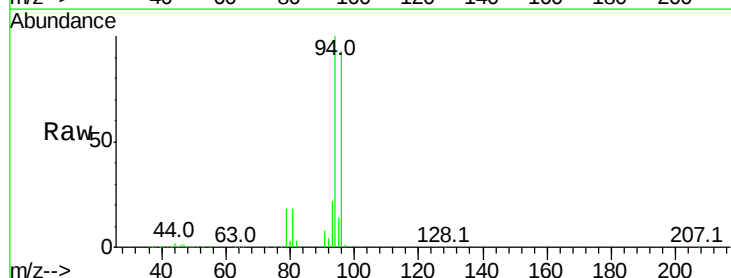
Acq: 08 Jun 2020 17:01

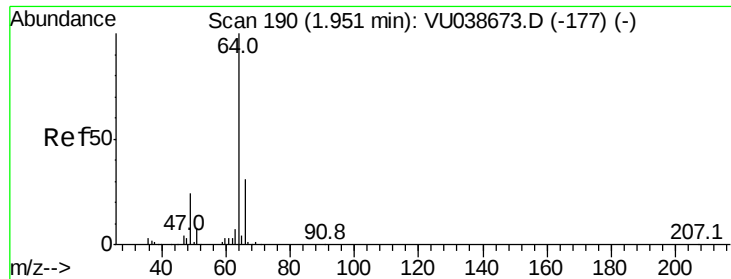
Tgt Ion: 94 Resp: 259632

Ion Ratio Lower Upper

94 100

96 93.3 66.2 123.0





#8

Chloroethane

Concen: 96.700 ug/L

RT: 1.95 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU038674.D

Acq: 08 Jun 2020 17:01

Instrument :

MSVOA_U

ClientSampleId :

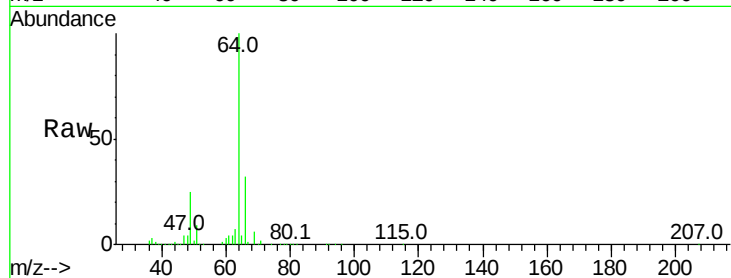
VSTD10033

Tgt Ion: 64 Resp: 281066

Ion Ratio Lower Upper

64 100

66 31.9 21.6 40.2



Abundance Ion 64.00 (63.70 to 64.70): VU038673.D (-177) (-)

Ion 66.00 (65.70 to 66.70): VU038673.D (-177) (-)

1.95

200000

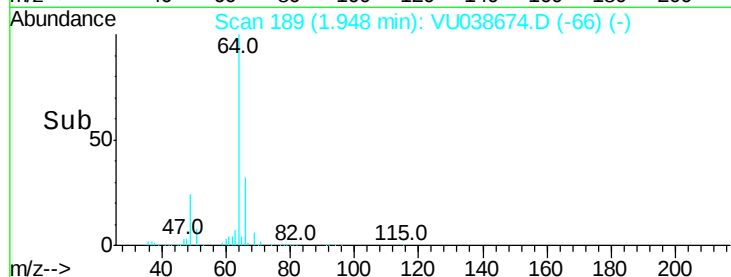
150000

100000

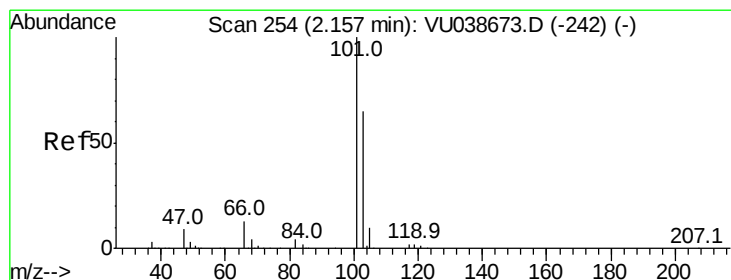
50000

0

Time-->



Time-->



#9

Trichlorofluoromethane

Concen: 102.671 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU038674.D

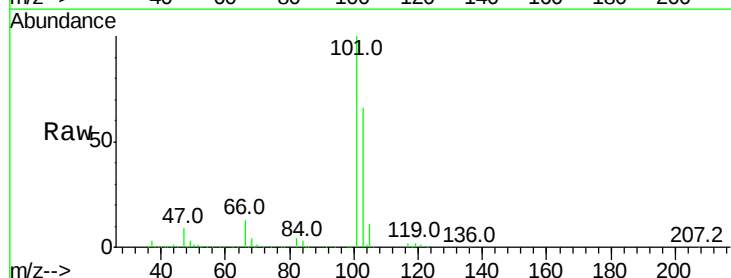
Acq: 08 Jun 2020 17:01

Tgt Ion: 101 Resp: 654526

Ion Ratio Lower Upper

101 100

103 65.5 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): VU038673.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU038673.D (-242) (-)

2.16

500000

400000

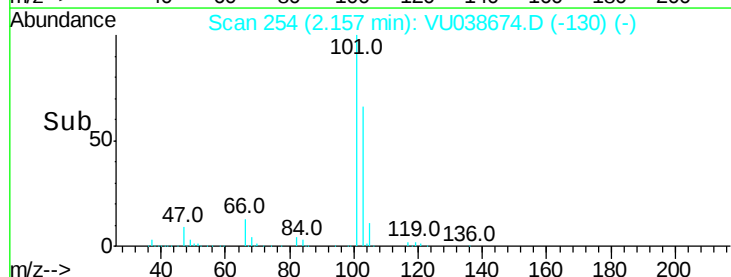
300000

200000

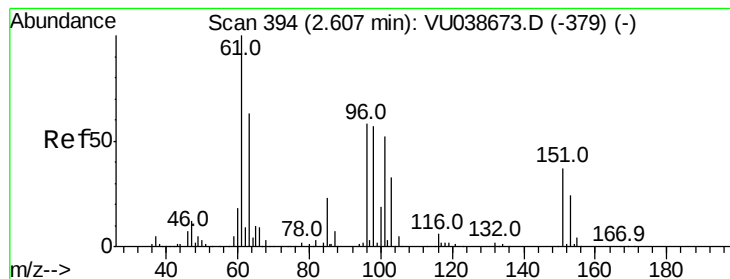
100000

0

Time-->



Time-->



#10

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

Concen: 98.099 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038674.D

Acq: 08 Jun 2020 17:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD10033

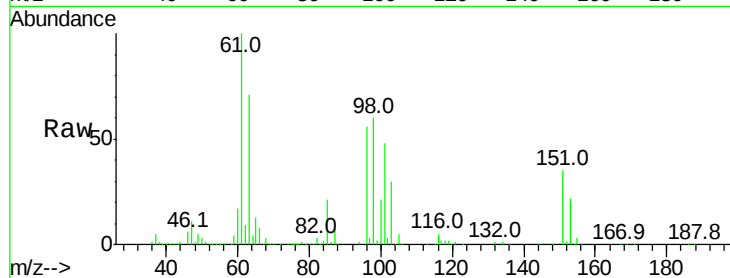
Tgt Ion: 101 Resp: 373924

Ion Ratio Lower Upper

101 100

85 43.7 35.1 52.7

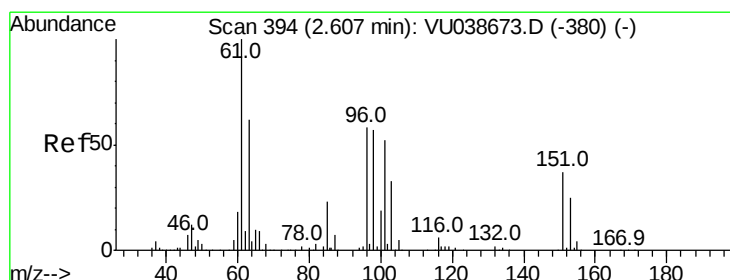
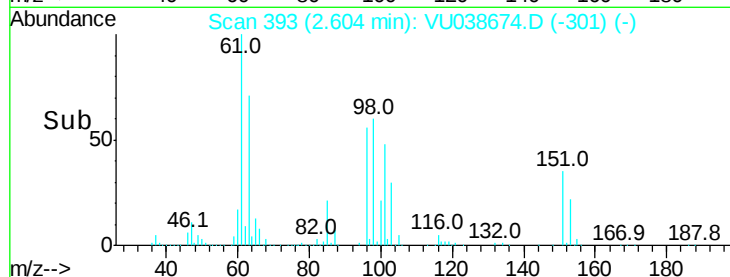
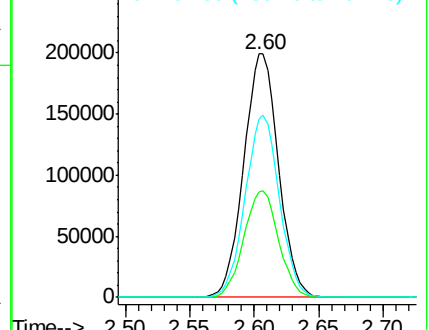
151 73.8 57.4 86.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 102.392 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038674.D

Acq: 08 Jun 2020 17:01

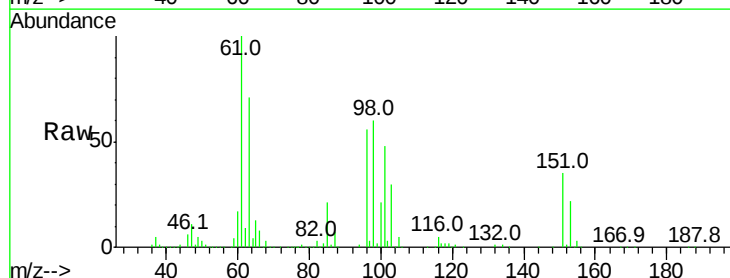
Tgt Ion: 96 Resp: 385316

Ion Ratio Lower Upper

96 100

61 177.1 120.0 223.0

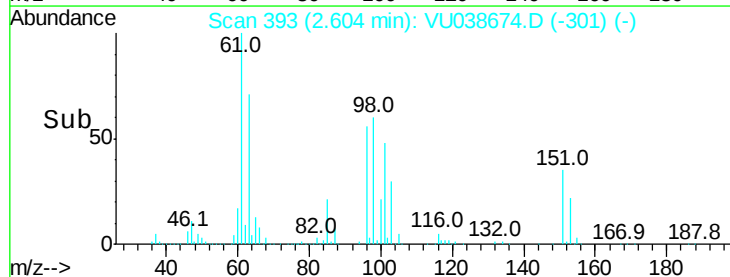
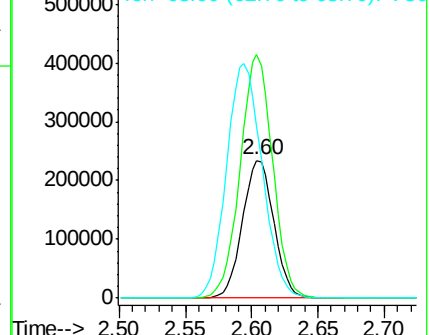
63 125.0 75.8 140.8

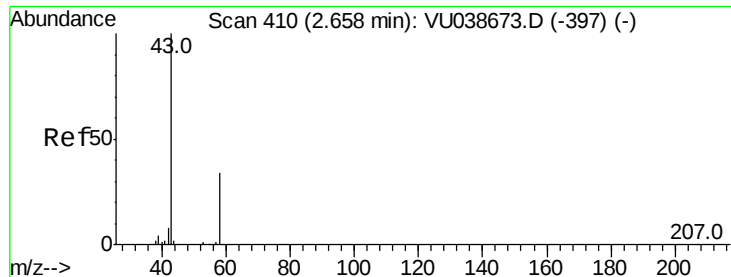


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 166.495 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU038674.D

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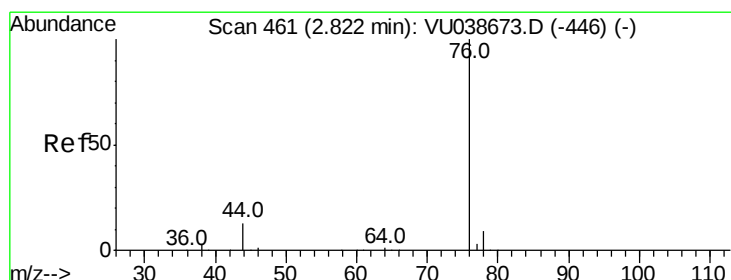
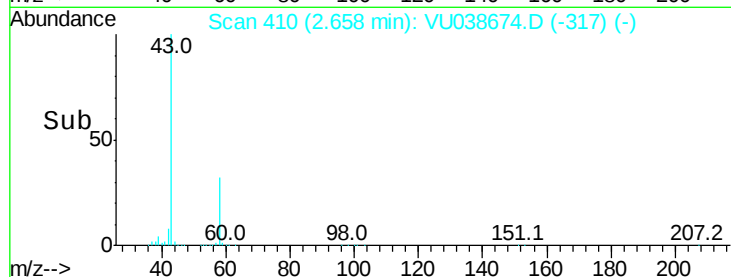
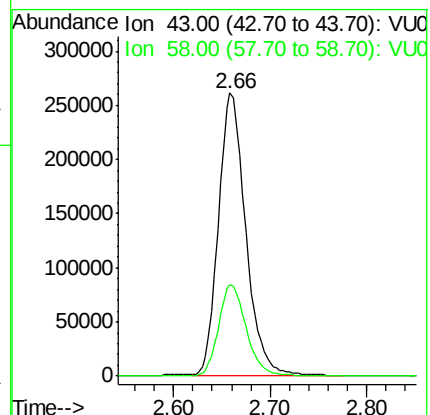
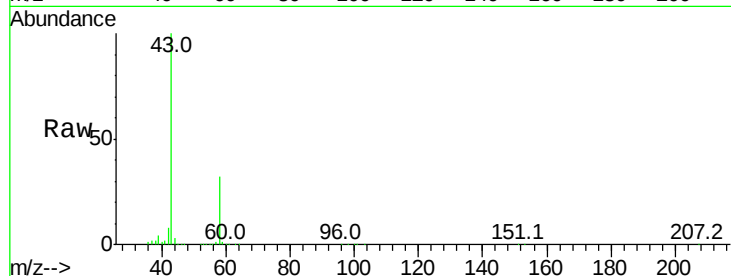
VSTD10033

Tgt Ion: 43 Resp: 512138

Ion Ratio Lower Upper

43 100

58 32.9 0.0 67.6



#14

Carbon disulfide

Concen: 101.041 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU038674.D

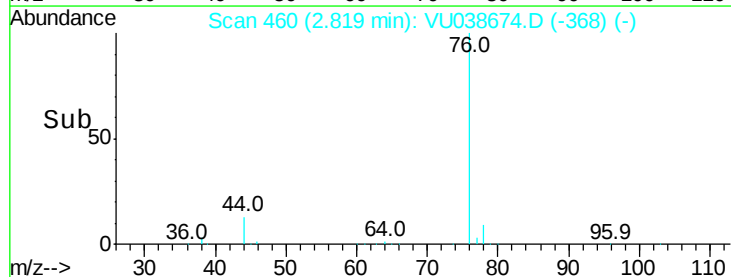
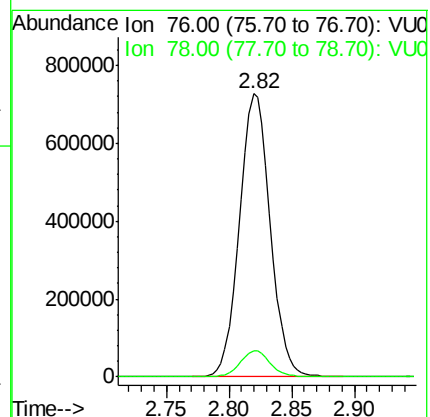
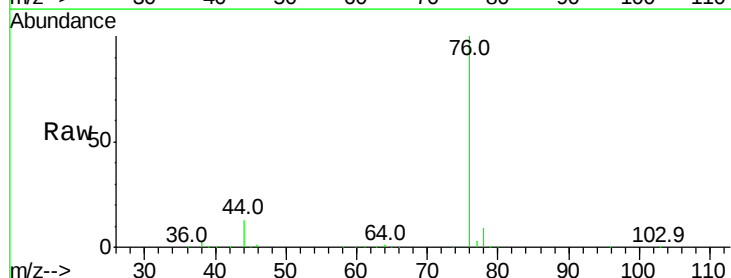
Acq: 08 Jun 2020 17:01

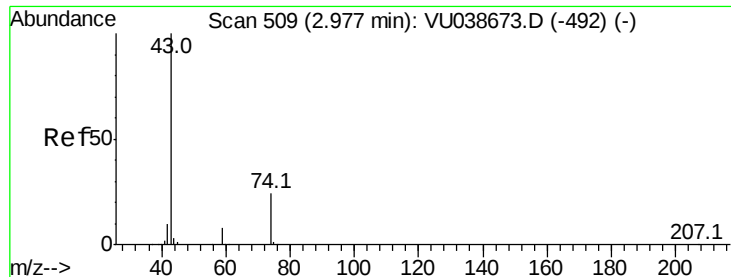
Tgt Ion: 76 Resp: 1240080

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2





#15

Methyl Acetate

Concen: 100.783 ug/L

RT: 2.98 min Scan# 510

Delta R.T. 0.00 min

Lab File: VU038674.D

Acq: 08 Jun 2020 17:01

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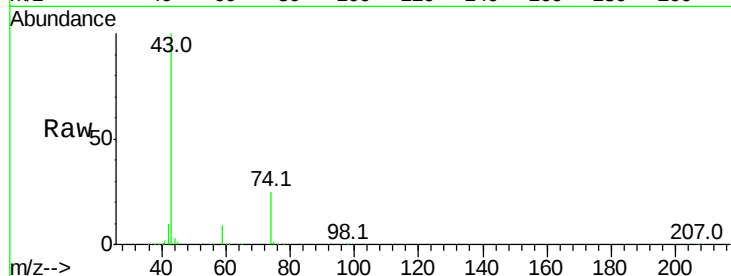
VSTD10033

Tgt Ion: 43 Resp: 555703

Ion Ratio Lower Upper

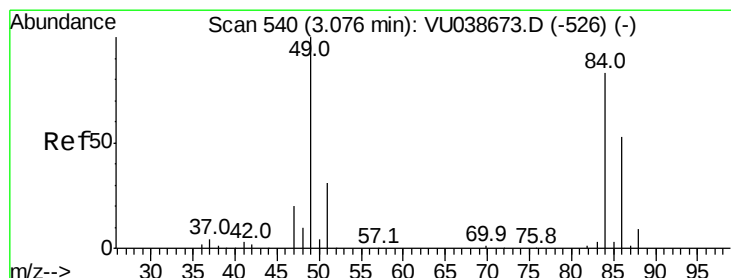
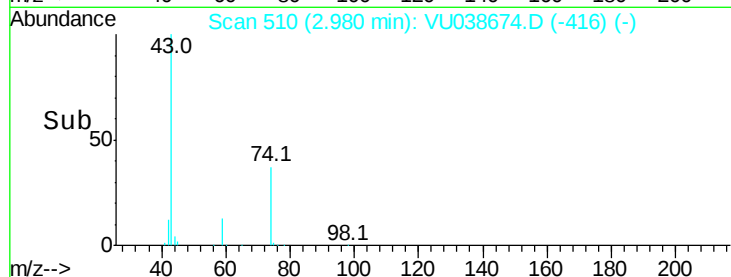
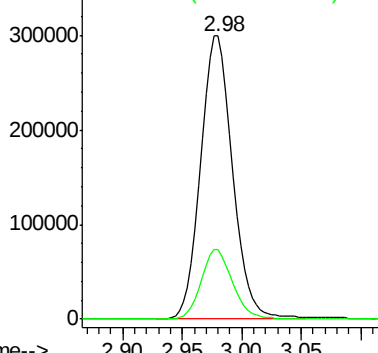
43 100

74 24.1 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 103.220 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU038674.D

Acq: 08 Jun 2020 17:01

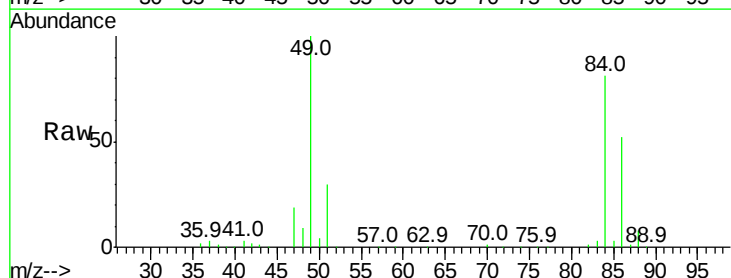
Tgt Ion: 84 Resp: 446336

Ion Ratio Lower Upper

84 100

86 64.8 44.7 83.1

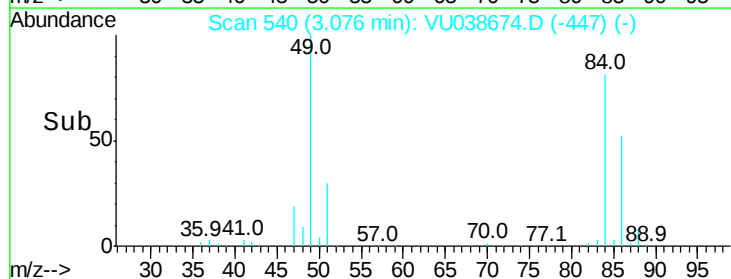
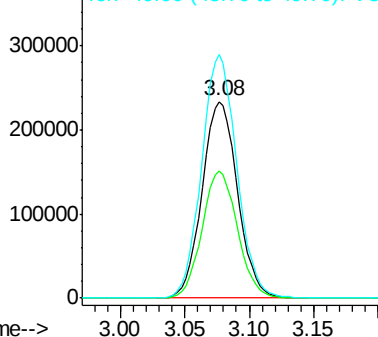
49 123.9 84.5 156.9

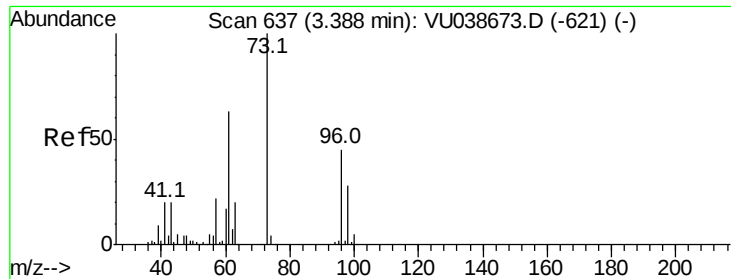


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 103.230 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

Lab File: VU038674.D

Acq: 08 Jun 2020 17:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD10033

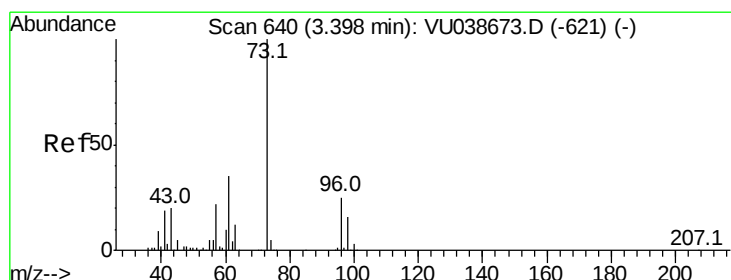
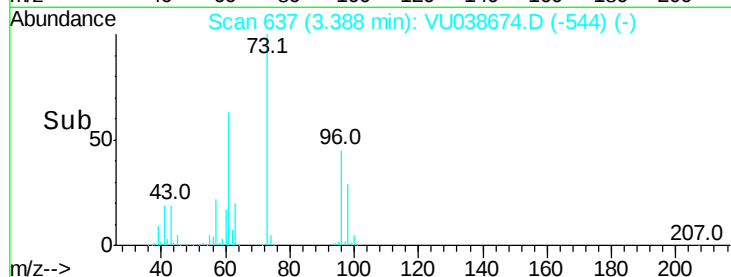
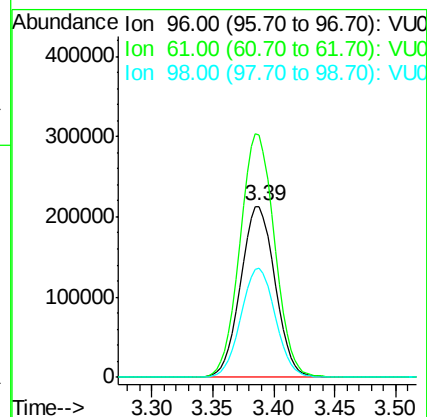
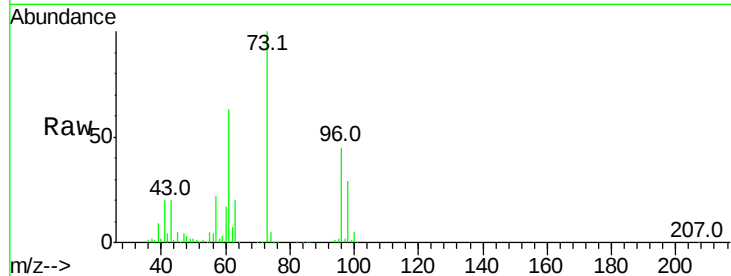
Tgt Ion: 96 Resp: 417277

Ion Ratio Lower Upper

96 100

61 141.5 98.2 182.4

98 64.0 44.3 82.3



#18

Methyl tert-butyl Ether

Concen: 107.968 ug/L

RT: 3.40 min Scan# 640

Delta R.T. 0.00 min

Lab File: VU038674.D

Acq: 08 Jun 2020 17:01

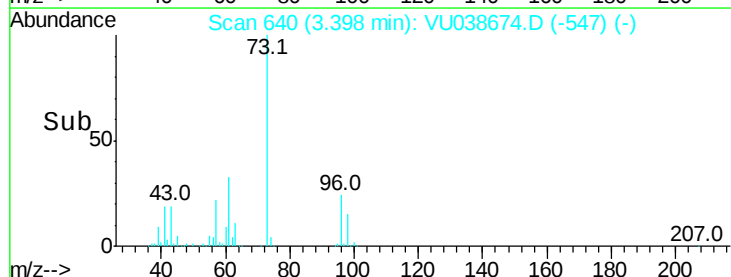
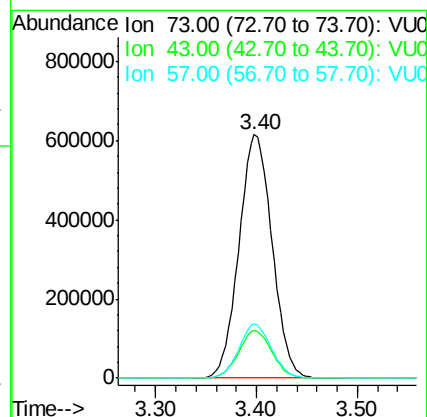
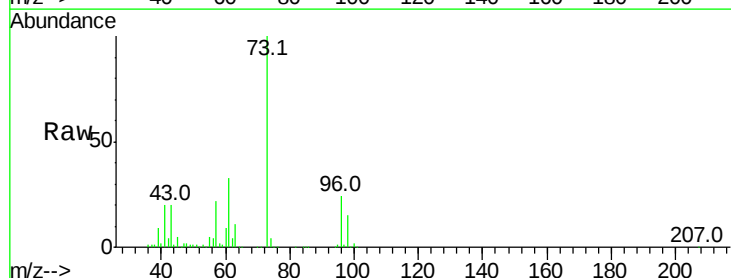
Tgt Ion: 73 Resp: 1399485

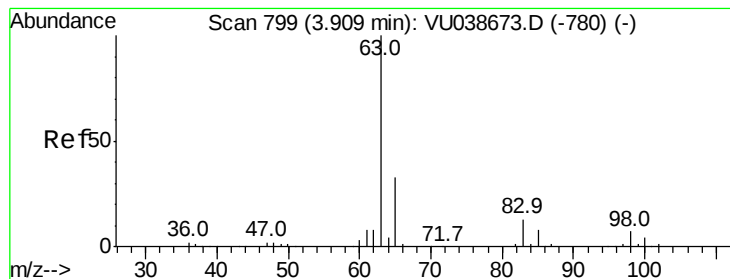
Ion Ratio Lower Upper

73 100

43 19.5 15.6 23.4

57 21.8 17.2 25.8





#19

1,1-Dichloroethane

Concen: 103.431 ug/L

RT: 3.91 min Scan# 799

Delta R.T. 0.00 min

Lab File: VU038674.D

Acq: 08 Jun 2020 17:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD10033

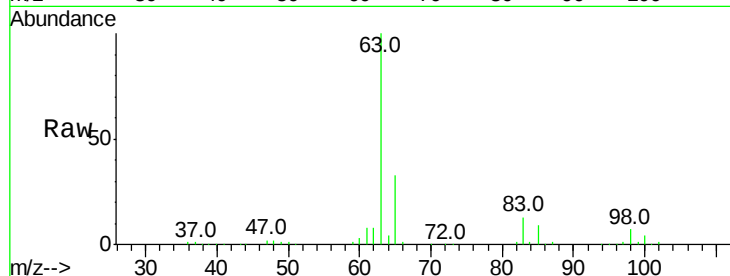
Tgt Ion: 63 Resp: 791754

Ion Ratio Lower Upper

63 100

65 32.6 23.0 42.8

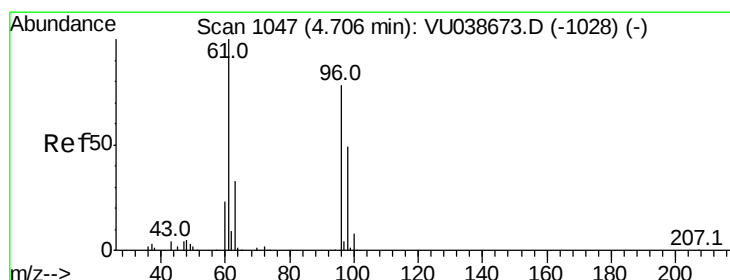
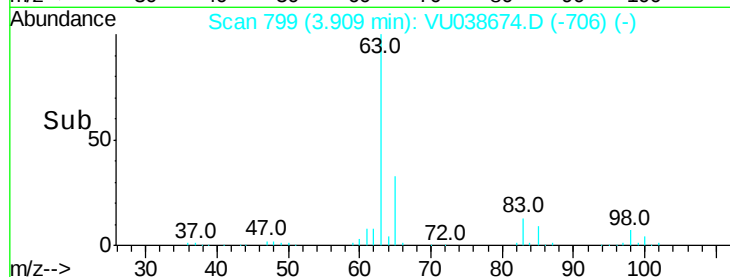
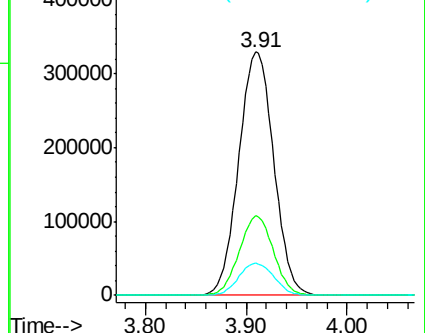
83 13.2 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VU038673.D (-780) (-)

Ion 65.00 (64.70 to 65.70): VU038673.D (-780) (-)

Ion 83.00 (82.70 to 83.70): VU038673.D (-780) (-)



#20

cis-1,2-Dichloroethene

Concen: 104.756 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038674.D

Acq: 08 Jun 2020 17:01

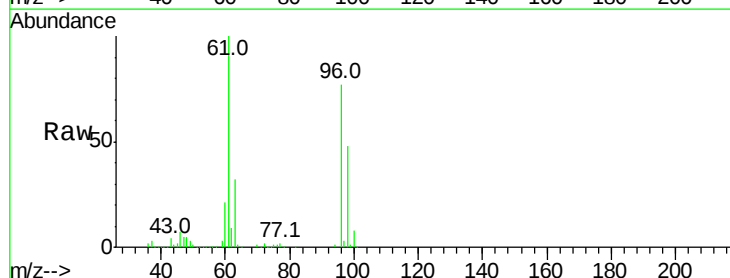
Tgt Ion: 96 Resp: 463867

Ion Ratio Lower Upper

96 100

61 130.2 89.5 166.1

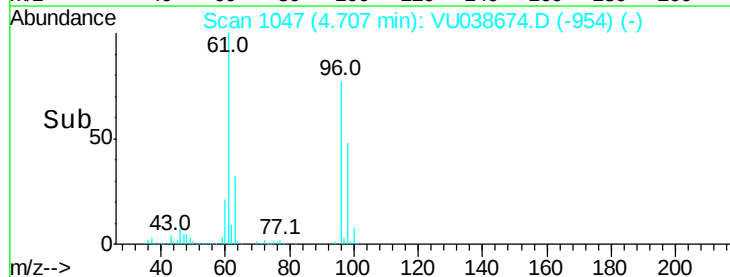
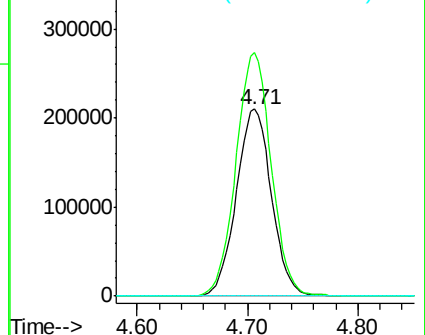
68 0.0 0.0 0.0

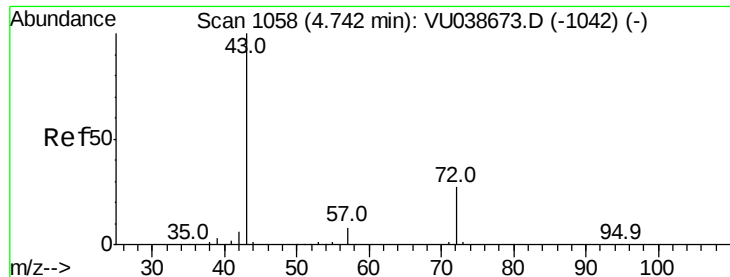


Abundance Ion 96.00 (95.70 to 96.70): VU038673.D (-1028) (-)

Ion 61.00 (60.70 to 61.70): VU038673.D (-1028) (-)

Ion 68.00 (67.70 to 68.70): VU038673.D (-1028) (-)





#22

2-Butanone

Concen: 192.071 ug/L

RT: 4.75 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VU038674.D

Acq: 08 Jun 2020 17:01

Instrument :

MSVOA_U

ClientSampleId :

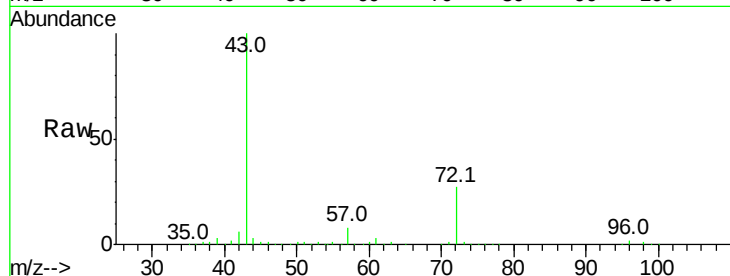
VSTD10033

Tgt Ion: 43 Resp: 828333

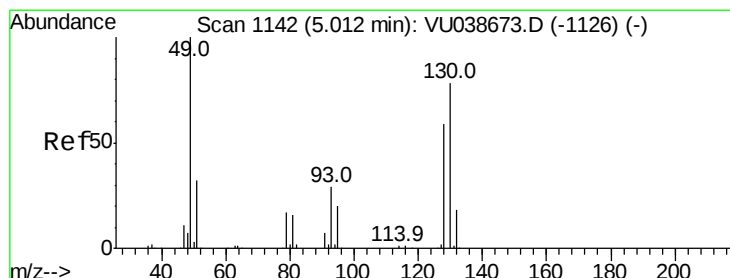
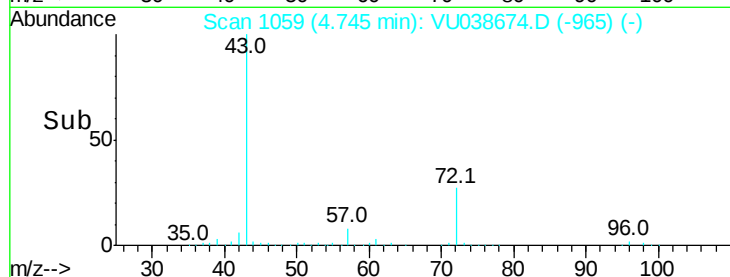
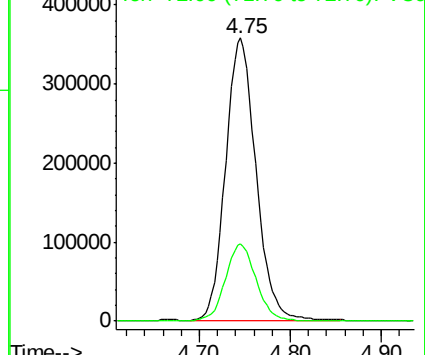
Ion Ratio Lower Upper

43 100

72 27.9 14.1 42.3



Abundance Ion 43.00 (42.70 to 43.70): VU038674.D (-1042) (-)



#23

Bromochloromethane

Concen: 105.623 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU038674.D

Acq: 08 Jun 2020 17:01

Tgt Ion: 128 Resp: 231548

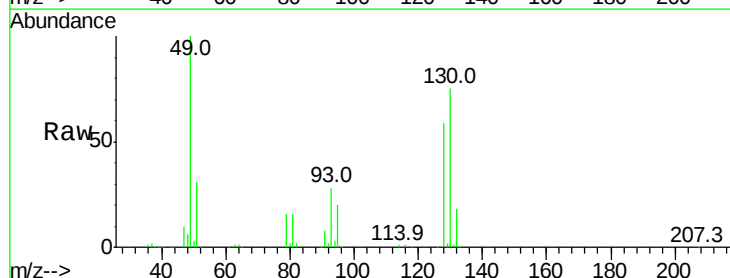
Ion Ratio Lower Upper

128 100

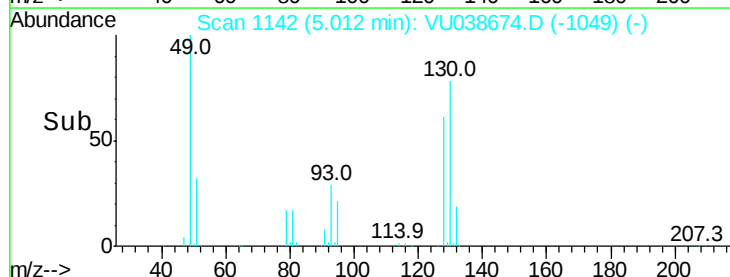
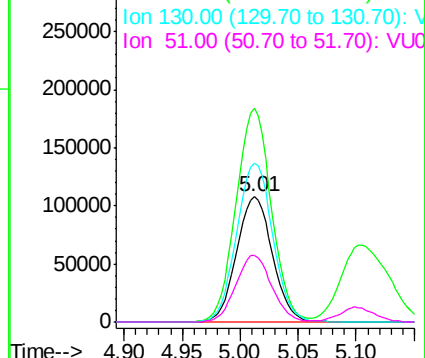
49 170.8 118.6 220.2

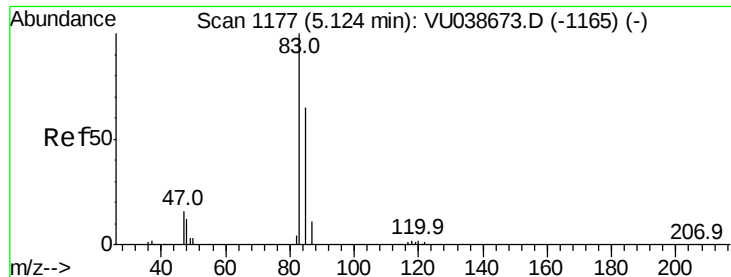
130 127.3 92.5 171.7

51 53.0 43.1 64.7



Abundance Ion 128.00 (127.70 to 128.70): VU038674.D (-1126) (-)





#25

Chloroform

Concen: 101.818 ug/L

RT: 5.12 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VU038674.D

Acq: 08 Jun 2020 17:01

Instrument :

MSVOA_U

ClientSampleId :

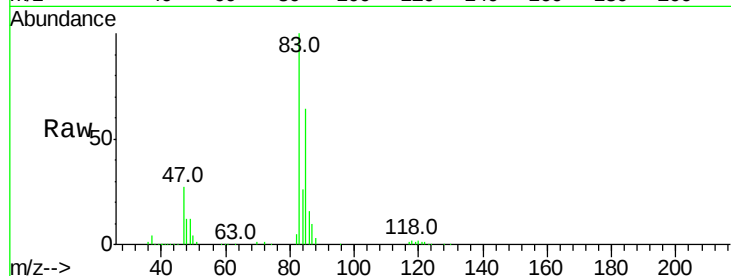
VSTD10033

Tgt Ion: 83 Resp: 801518

Ion Ratio Lower Upper

83 100

85 64.5 47.0 87.4



Abundance Ion 83.00 (82.70 to 83.70): VU038673.D (-1165) (-)

Ion 85.00 (84.70 to 85.70): VU038673.D (-1165) (-)

5.12

400000

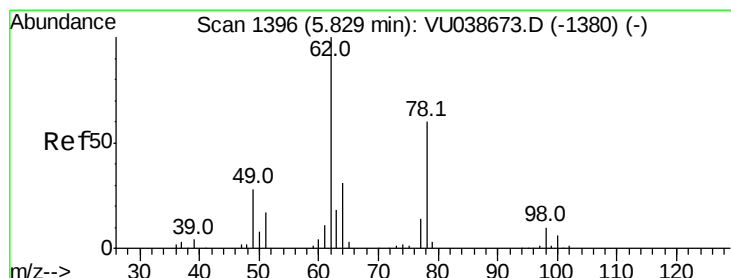
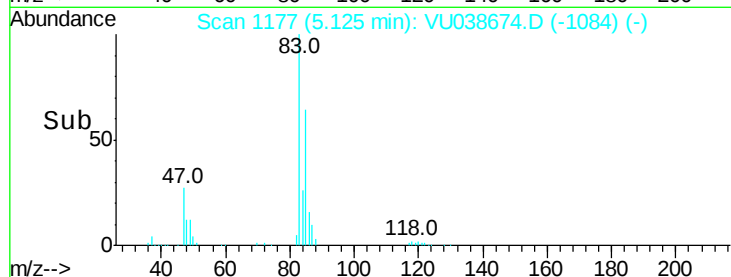
300000

200000

100000

0

Time-->



#27

1,2-Dichloroethane

Concen: 102.921 ug/L

RT: 5.83 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VU038674.D

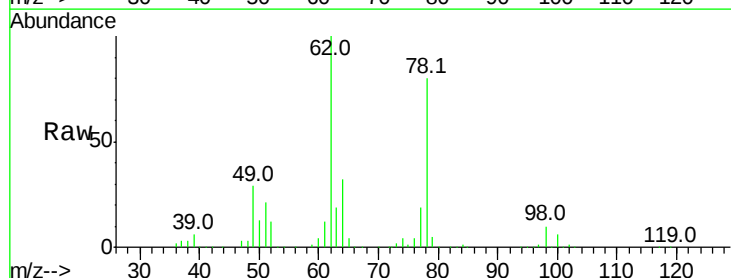
Acq: 08 Jun 2020 17:01

Tgt Ion: 62 Resp: 656014

Ion Ratio Lower Upper

62 100

98 9.5 7.8 11.6



Abundance Ion 62.00 (61.70 to 62.70): VU038673.D (-1380) (-)

Ion 98.00 (97.70 to 98.70): VU038673.D (-1380) (-)

5.83

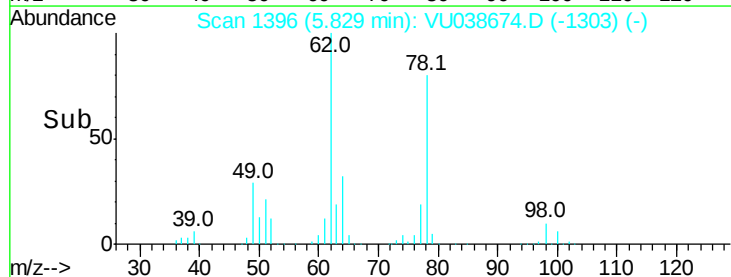
300000

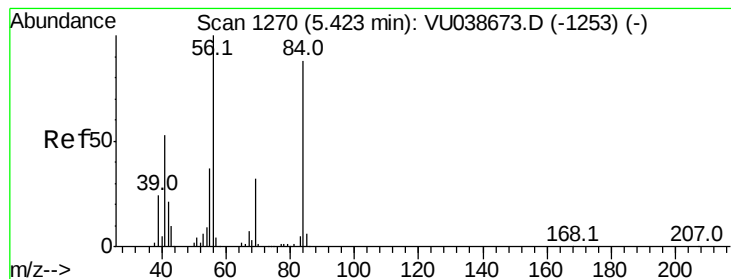
200000

100000

0

Time-->





#29

Cyclohexane

Concen: 97.588 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VU038674.D

Acq: 08 Jun 2020 17:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD10033

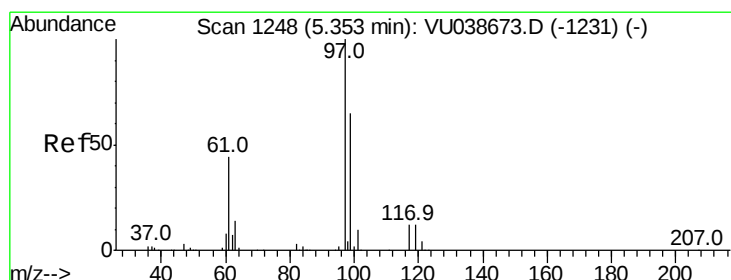
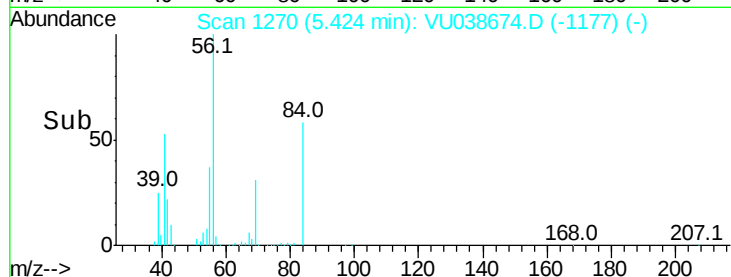
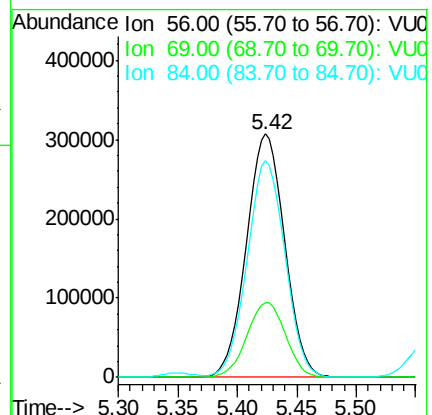
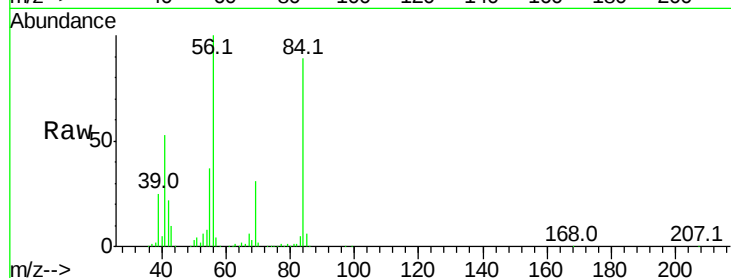
Tgt Ion: 56 Resp: 685052

Ion Ratio Lower Upper

56 100

69 31.0 25.1 37.7

84 88.1 70.5 105.7



#30

1,1,1-Trichloroethane

Concen: 104.774 ug/L

RT: 5.35 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VU038674.D

Acq: 08 Jun 2020 17:01

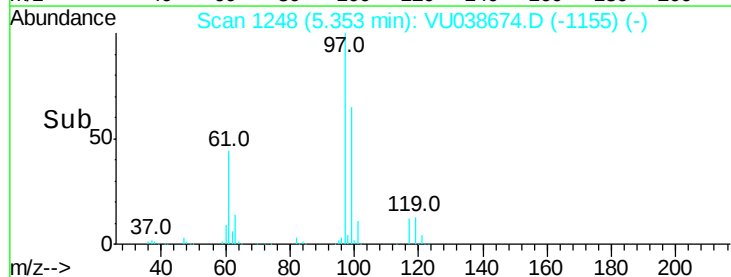
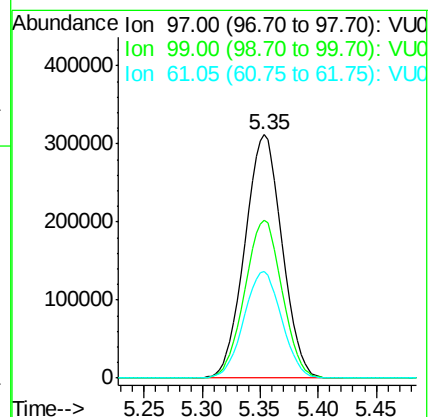
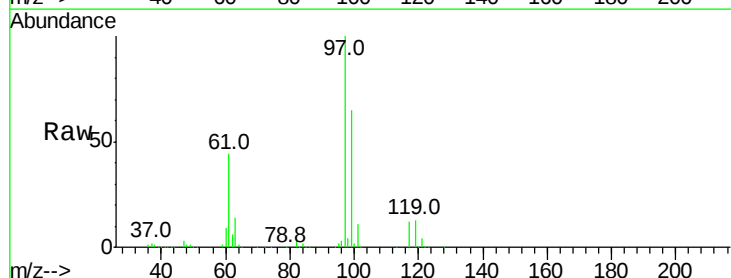
Tgt Ion: 97 Resp: 697545

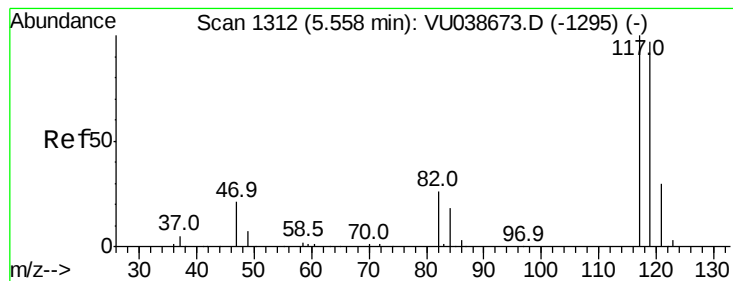
Ion Ratio Lower Upper

97 100

99 65.1 51.6 77.4

61 44.2 35.2 52.8





#31

Carbon tetrachloride

Concen: 104.482 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU038674.D

Acq: 08 Jun 2020 17:01

Instrument :

MSVOA_U

ClientSampleId :

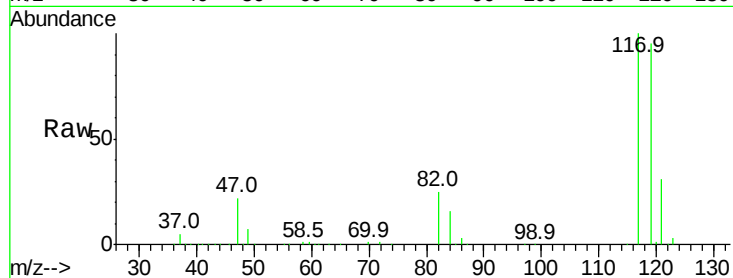
VSTD10033

Tgt Ion:117 Resp: 579737

Ion Ratio Lower Upper

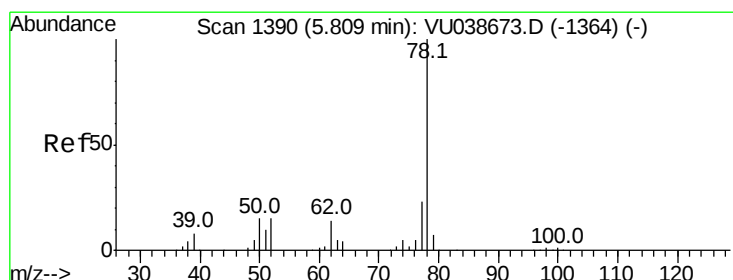
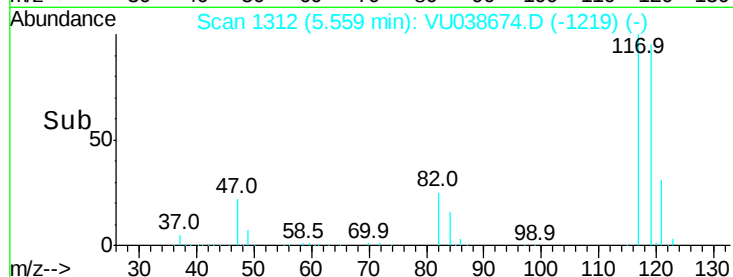
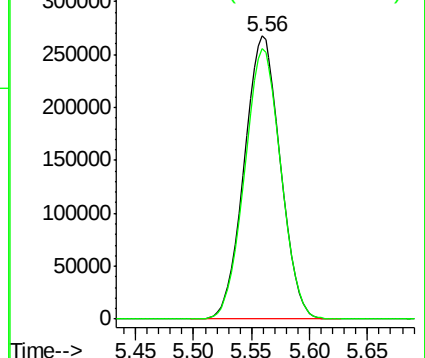
117 100

119 95.8 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 103.462 ug/L

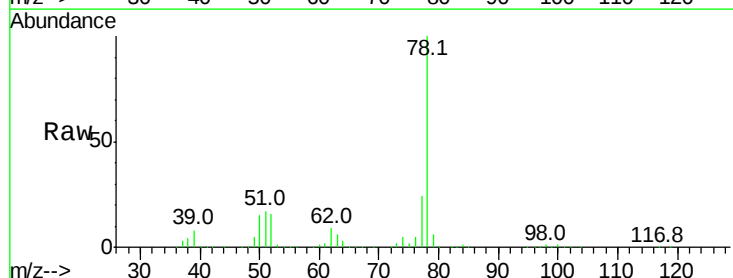
RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

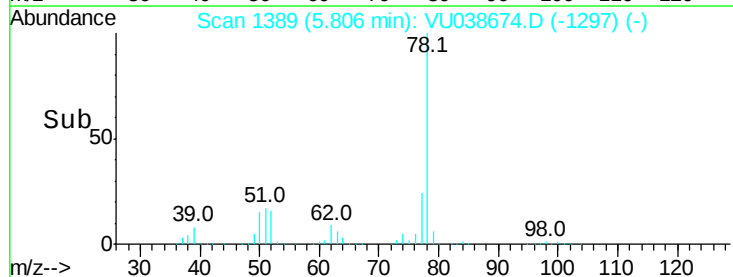
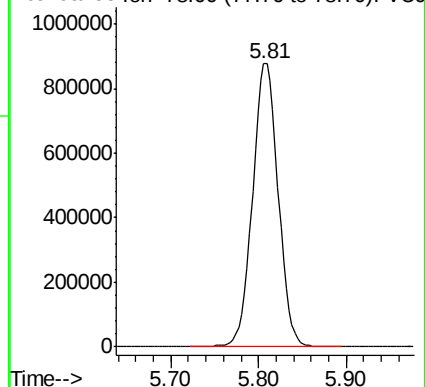
Lab File: VU038674.D

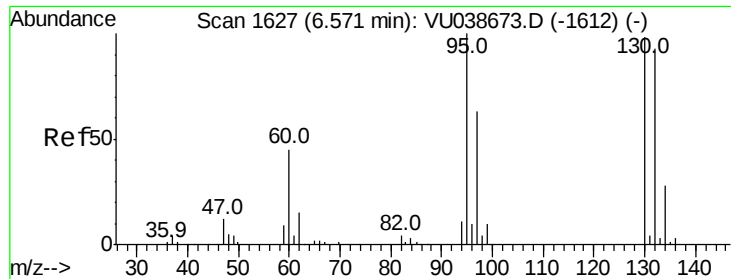
Acq: 08 Jun 2020 17:01

Tgt Ion: 78 Resp: 1779088



Abundance Ion 78.00 (77.70 to 78.70): VU0

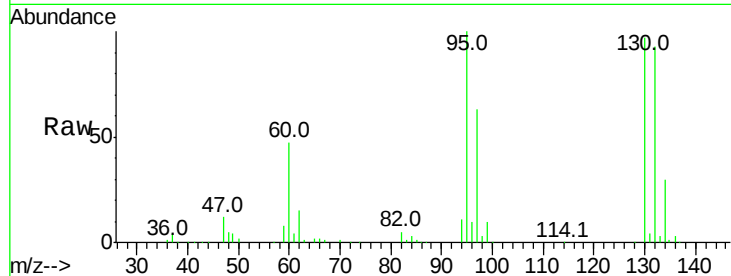




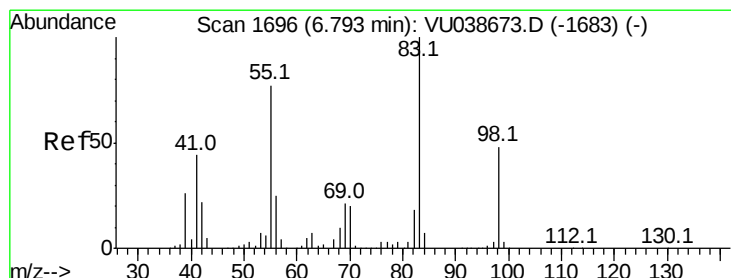
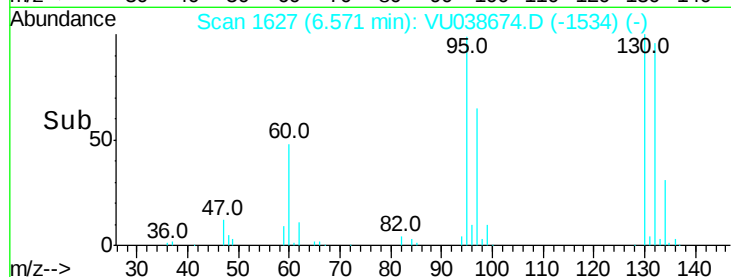
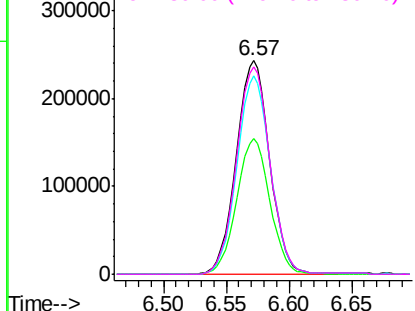
#34
 Trichloroethene
 Concen: 102.346 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038674.D
 Acq: 08 Jun 2020 17:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10033

Tgt Ion: 95 Resp: 450278
 Ion Ratio Lower Upper
 95 100
 97 63.4 44.4 82.4
 132 92.8 64.9 120.5
 130 97.1 68.6 127.4

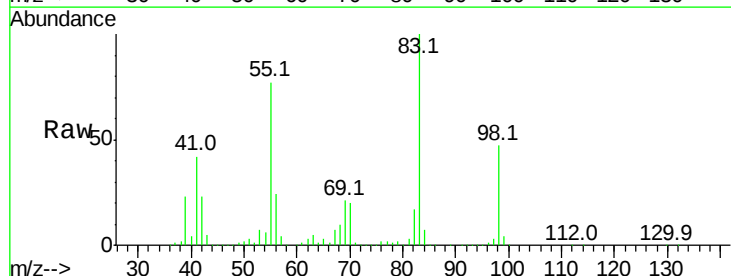


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

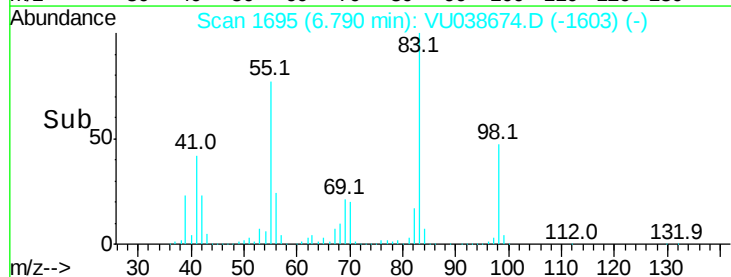
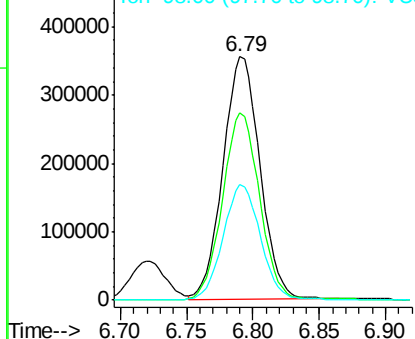


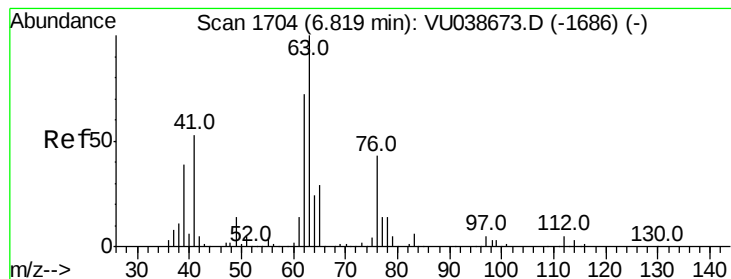
#35
 Methylcyclohexane
 Concen: 99.734 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU038674.D
 Acq: 08 Jun 2020 17:01

Tgt Ion: 83 Resp: 688915
 Ion Ratio Lower Upper
 83 100
 55 77.0 63.2 94.8
 98 47.7 38.4 57.6



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 103.516 ug/L

RT: 6.82 min Scan# 1704

Delta R.T. 0.00 min

Lab File: VU038674.D

Acq: 08 Jun 2020 17:01

Instrument :

MSVOA_U

ClientSampleId :

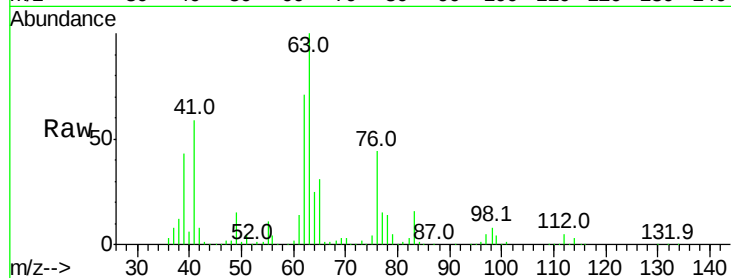
VSTD10033

Tgt Ion: 63 Resp: 461638

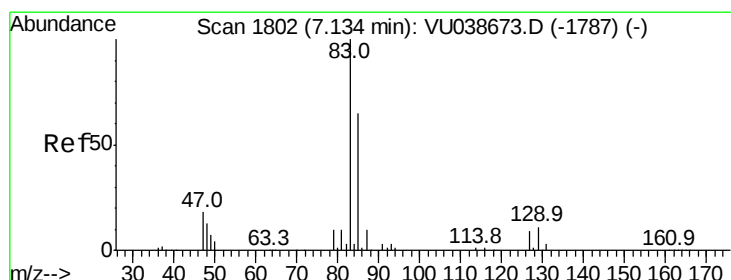
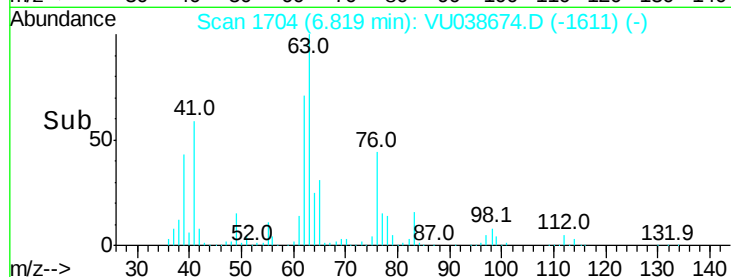
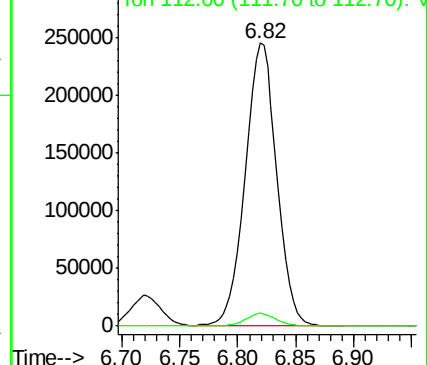
Ion Ratio Lower Upper

63 100

112 4.5 3.4 5.2



Abundance Ion 63.00 (62.70 to 63.70): VU038674.D (-1686) (-)



#38

Bromodichloromethane

Concen: 106.416 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU038674.D

Acq: 08 Jun 2020 17:01

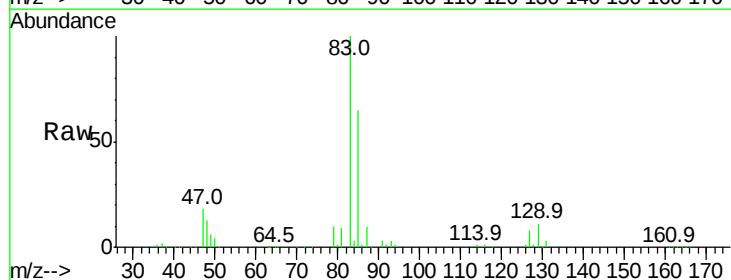
Tgt Ion: 83 Resp: 608165

Ion Ratio Lower Upper

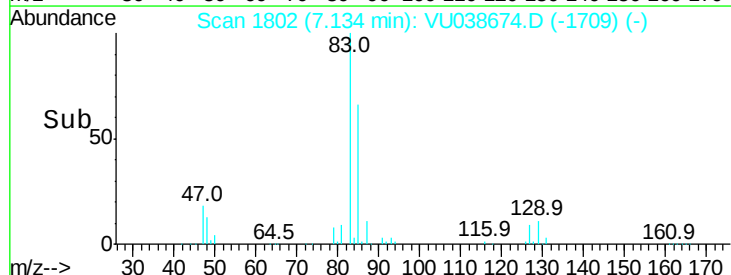
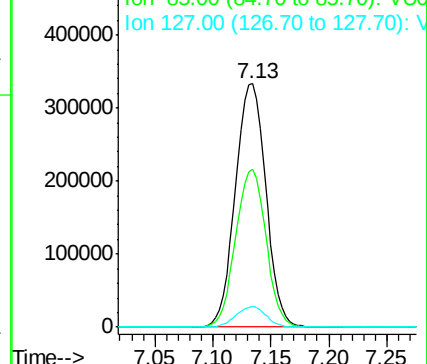
83 100

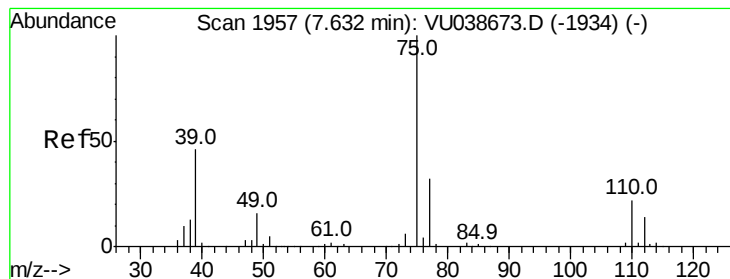
85 64.9 45.1 83.9

127 8.4 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VU038674.D (-1787) (-)



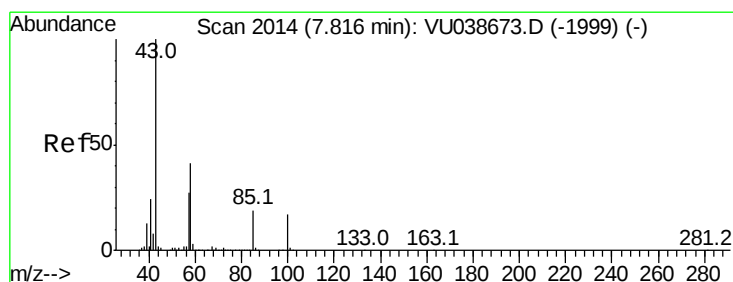
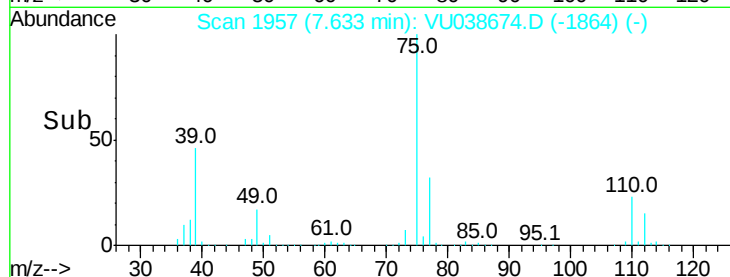
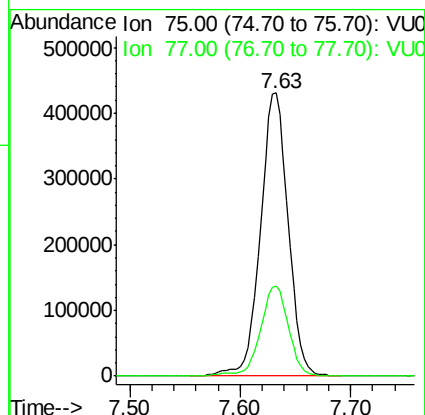
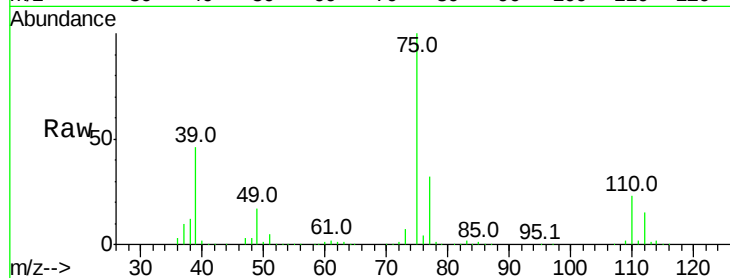


#39

cis-1,3-Dichloropropene
Concen: 106.086 ug/L
RT: 7.63 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VU038674.D
Acq: 08 Jun 2020 17:01

Instrument :
MSVOA_U
ClientSampleId :
VSTD10033

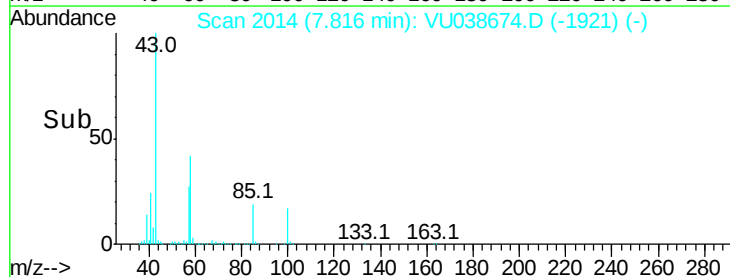
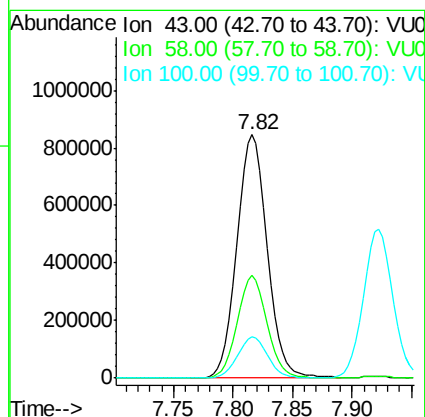
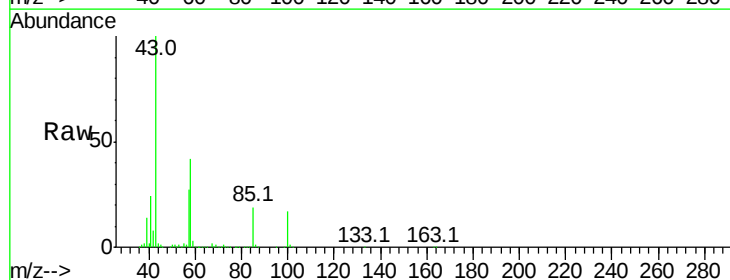
Tgt Ion: 75 Resp: 752834
Ion Ratio Lower Upper
75 100
77 31.7 22.2 41.2

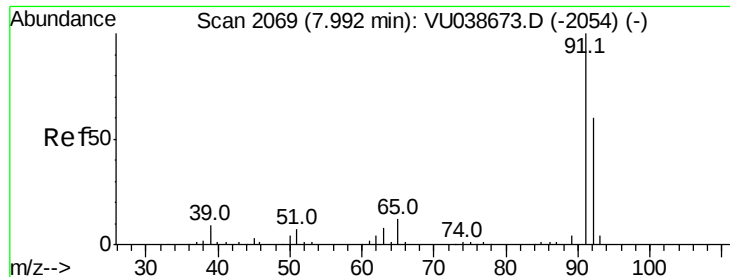


#40

4-Methyl-2-pentanone
Concen: 210.817 ug/L
RT: 7.82 min Scan# 2014
Delta R.T. 0.00 min
Lab File: VU038674.D
Acq: 08 Jun 2020 17:01

Tgt Ion: 43 Resp: 1495189
Ion Ratio Lower Upper
43 100
58 41.3 33.0 49.4
100 16.8 13.4 20.0





#42

Toluene

Concen: 105.487 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU038674.D

Acq: 08 Jun 2020 17:01

Instrument :

MSVOA_U

ClientSampleId :

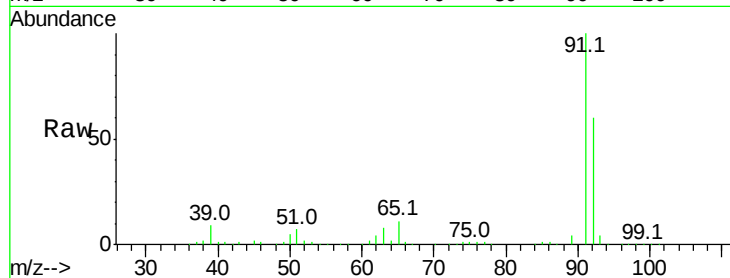
VSTD10033

Tgt Ion: 91 Resp: 1904337

Ion Ratio Lower Upper

91 100

92 60.1 42.2 78.4



Abundance Ion 91.00 (90.70 to 91.70): VU038673.D (-2054) (-)

Ion 92.00 (91.70 to 92.70): VU038673.D (-2054) (-)

7.99

1200000

1000000

800000

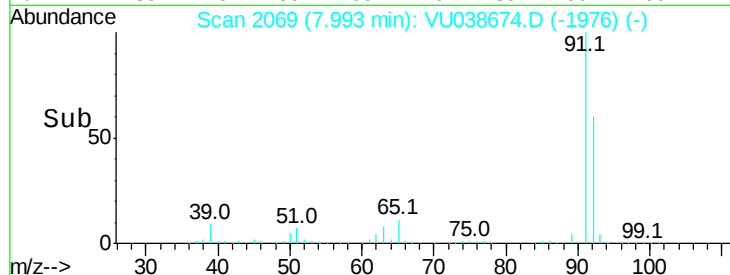
600000

400000

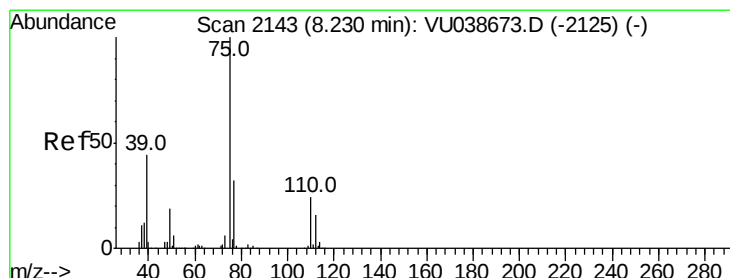
200000

0

Time-->



Time-->



#44

trans-1,3-Dichloropropene

Concen: 109.484 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VU038674.D

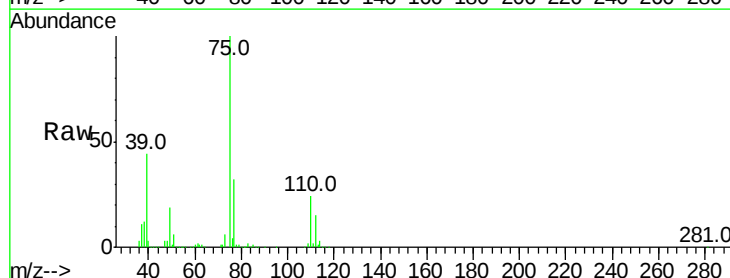
Acq: 08 Jun 2020 17:01

Tgt Ion: 75 Resp: 727277

Ion Ratio Lower Upper

75 100

77 31.7 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VU038673.D (-2125) (-)

Ion 77.00 (76.70 to 77.70): VU038673.D (-2125) (-)

8.23

500000

400000

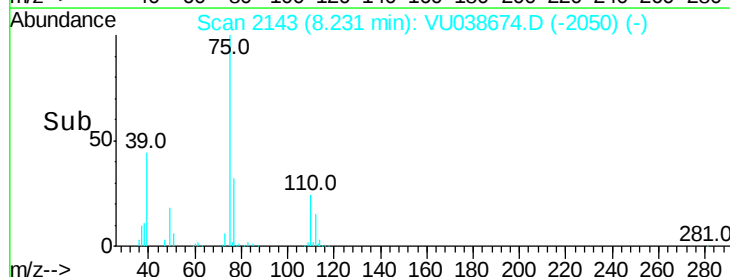
300000

200000

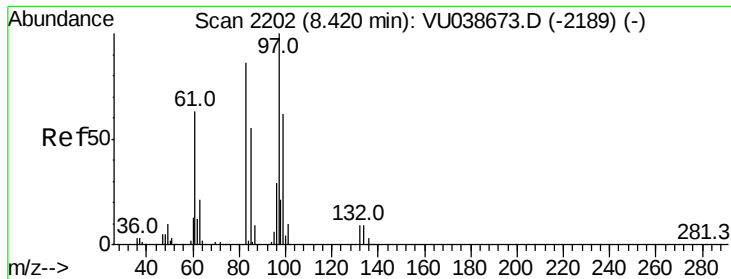
100000

0

Time-->



Time-->



#45

1,1,2-Trichloroethane

Concen: 106.466 ug/L

RT: 8.42 min Scan# 2202

Delta R.T. 0.00 min

Lab File: VU038674.D

Acq: 08 Jun 2020 17:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD10033

Tgt Ion: 97 Resp: 450568

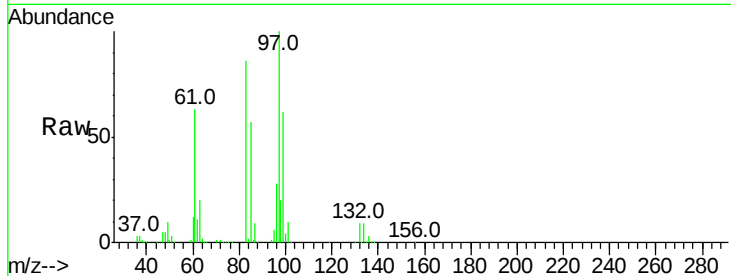
Ion Ratio Lower Upper

97 100

99 62.5 43.6 81.0

83 86.0 60.0 111.4

85 56.6 38.4 71.2

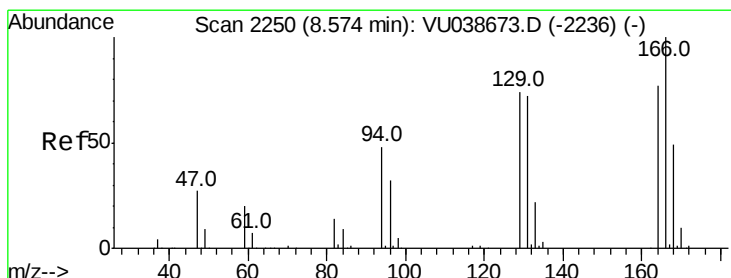
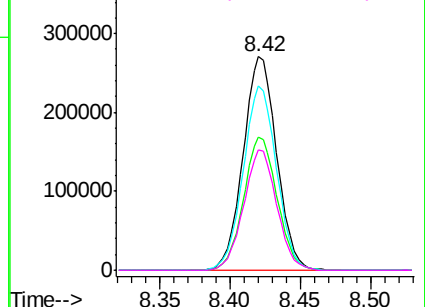
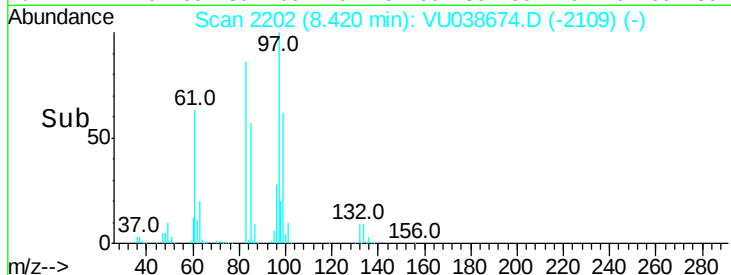


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 102.336 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. 0.00 min

Lab File: VU038674.D

Acq: 08 Jun 2020 17:01

Tgt Ion: 164 Resp: 329156

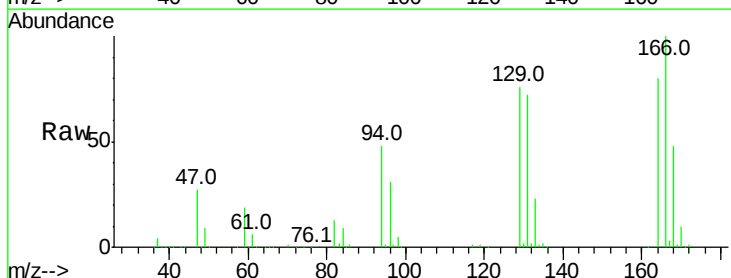
Ion Ratio Lower Upper

164 100

129 95.0 67.2 124.8

131 90.9 65.5 121.6

166 125.4 90.4 168.0

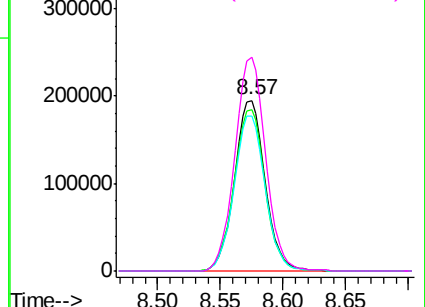
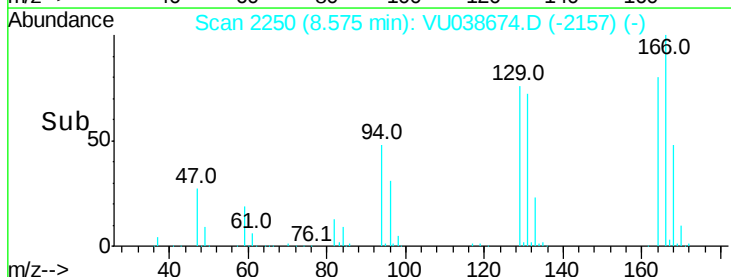


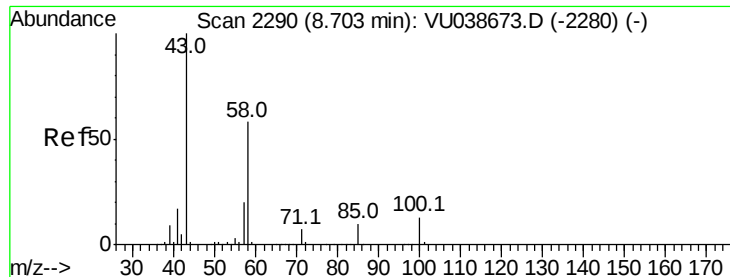
Abundance Ion 164.00 (163.70 to 164.70): V

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

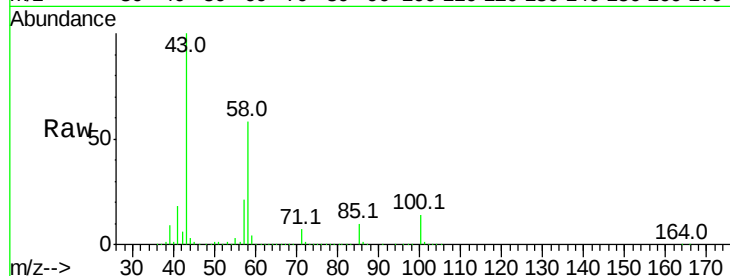




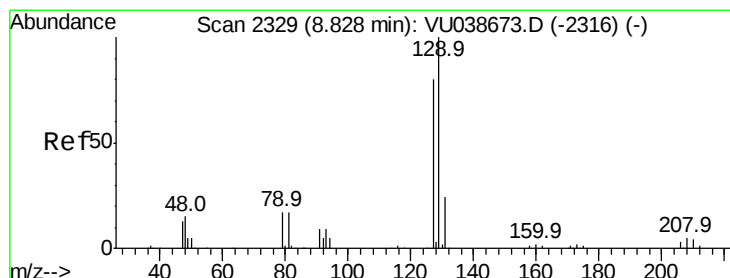
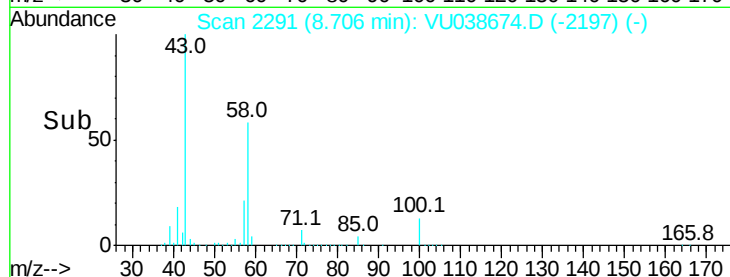
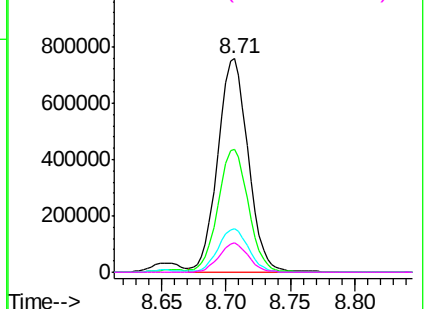
#48
2-Hexanone
Concen: 206.156 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU038674.D
Acq: 08 Jun 2020 17:01

Instrument :
MSVOA_U
ClientSampleId :
VSTD10033

Tgt Ion: 43 Resp: 1234508
Ion Ratio Lower Upper
43 100
58 57.8 46.2 69.4
57 20.2 16.6 24.8
100 13.4 10.6 16.0

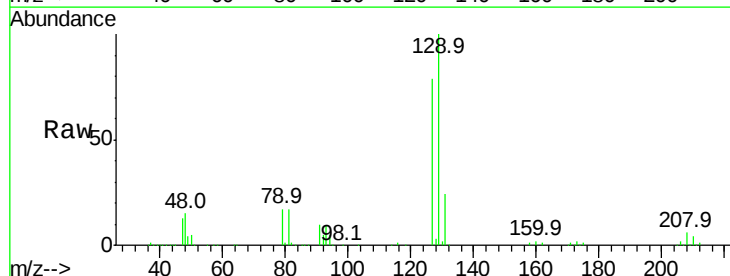


Abundance Ion 43.00 (42.70 to 43.70): VU038674.D (-2290) (-)
Ion 58.00 (57.70 to 58.70): VU038674.D (-2290) (-)
Ion 57.00 (56.70 to 57.70): VU038674.D (-2290) (-)
Ion 100.00 (99.70 to 100.70): VU038674.D (-2290) (-)

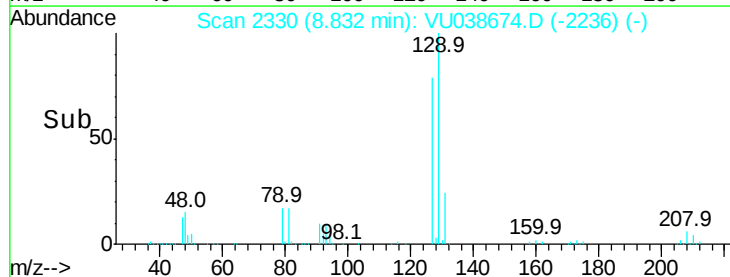
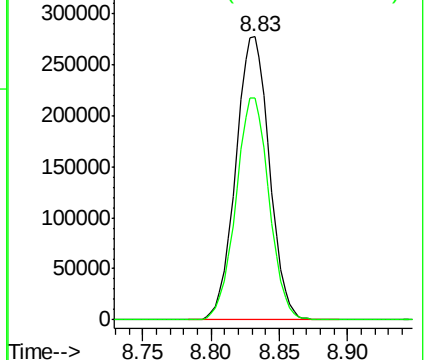


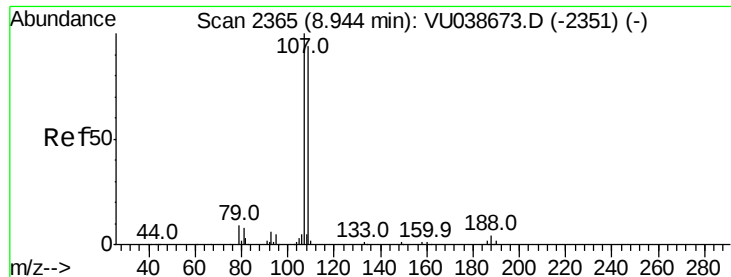
#49
Dibromochloromethane
Concen: 110.892 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU038674.D
Acq: 08 Jun 2020 17:01

Tgt Ion: 129 Resp: 475167
Ion Ratio Lower Upper
129 100
127 78.6 55.8 103.6



Abundance Ion 129.00 (128.70 to 129.70): VU038674.D (-2329) (-)
Ion 127.00 (126.70 to 127.70): VU038674.D (-2329) (-)

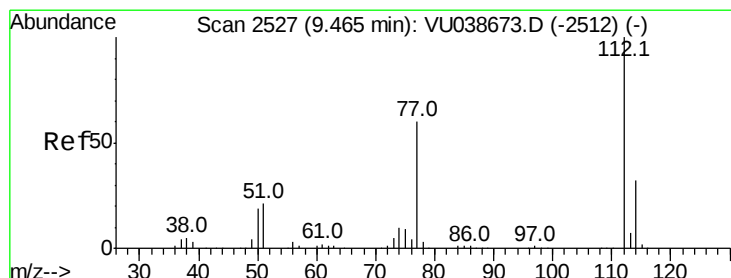
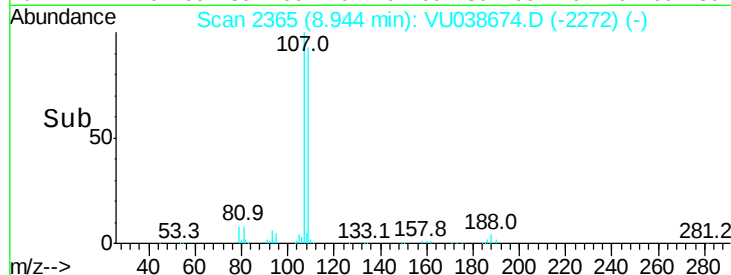
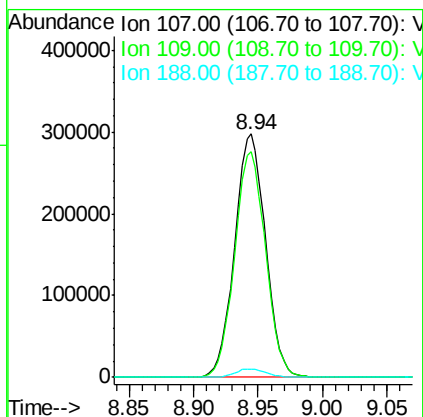
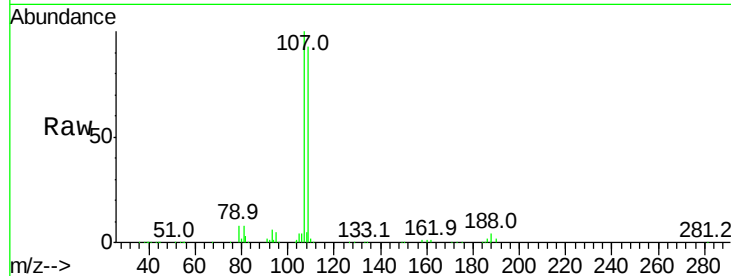




#50
 1,2-Dibromoethane
 Concen: 108.881 ug/L
 RT: 8.94 min Scan# 2365
 Delta R.T. 0.00 min
 Lab File: VU038674.D
 Acq: 08 Jun 2020 17:01

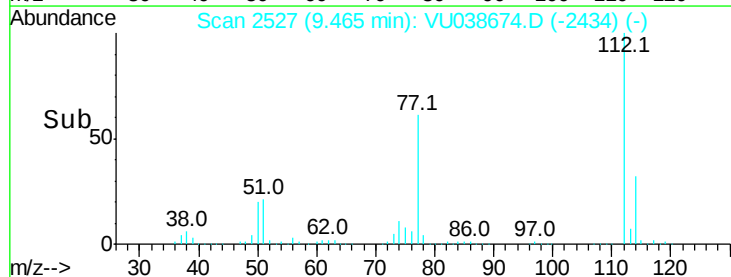
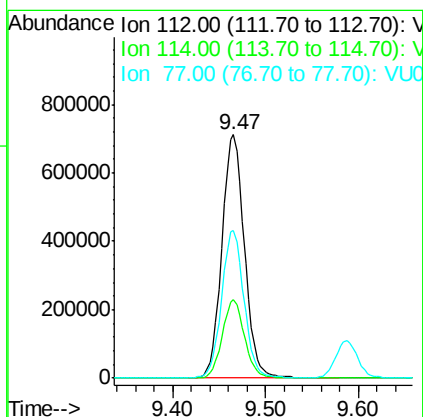
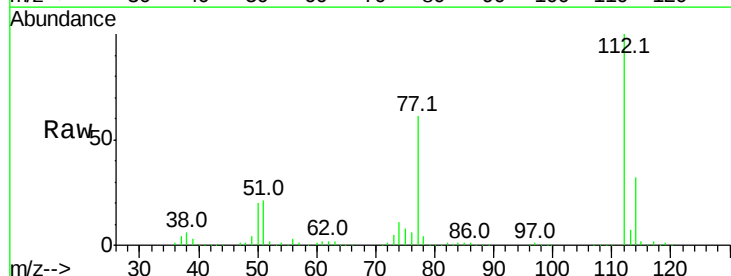
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10033

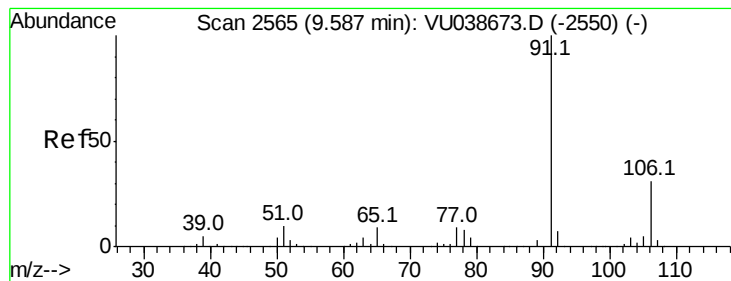
Tgt Ion:107 Resp: 495282
 Ion Ratio Lower Upper
 107 100
 109 92.8 65.9 122.5
 188 3.6 2.9 4.3



#51
 Chlorobenzene
 Concen: 103.387 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. 0.00 min
 Lab File: VU038674.D
 Acq: 08 Jun 2020 17:01

Tgt Ion:112 Resp: 1199529
 Ion Ratio Lower Upper
 112 100
 114 32.1 22.2 41.2
 77 60.7 47.9 71.9





#52

Ethylbenzene

Concen: 105.567 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. 0.00 min

Lab File: VU038674.D

Acq: 08 Jun 2020 17:01

Instrument :

MSVOA_U

ClientSampled :

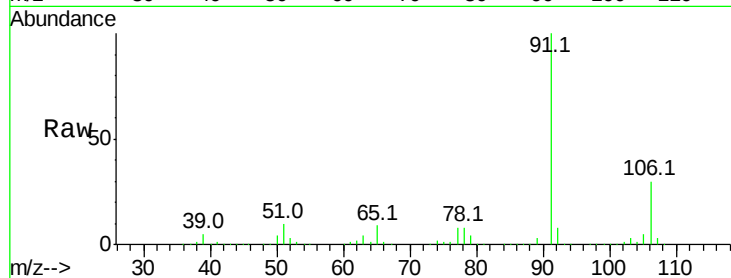
VSTD10033

Tgt Ion: 91 Resp: 2135372

Ion Ratio Lower Upper

91 100

106 30.4 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VU038673.D (-2550) (-)

Ion 106.00 (105.70 to 106.70): VU038673.D (-2550) (-)

1500000

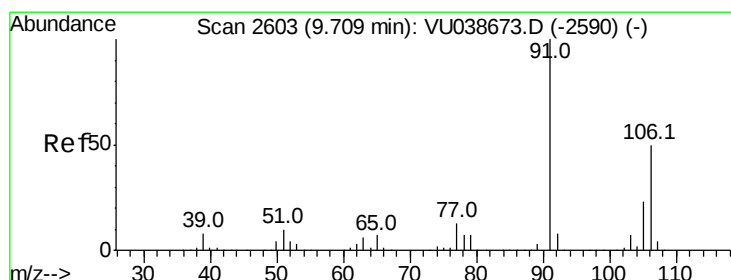
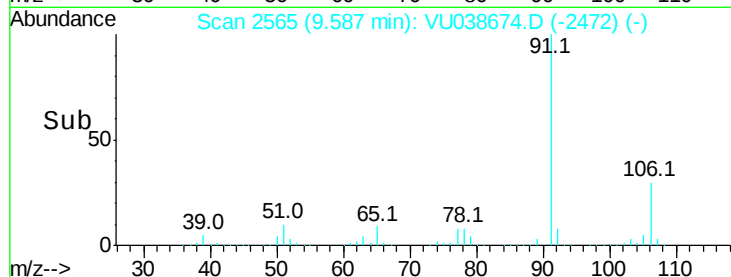
1000000

500000

0

9.50 9.55 9.60 9.65 9.70

Time-->



#53

m,p-Xylene

Concen: 106.686 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VU038674.D

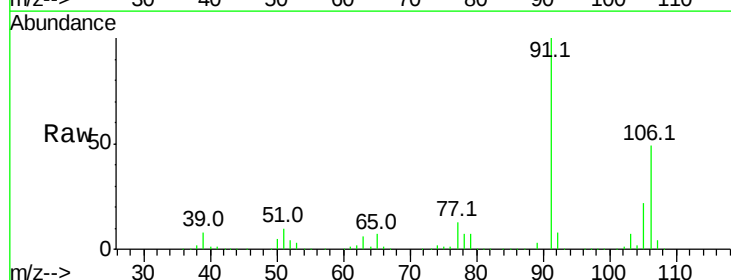
Acq: 08 Jun 2020 17:01

Tgt Ion: 106 Resp: 825269

Ion Ratio Lower Upper

106 100

91 203.4 140.1 260.3



Abundance Ion 106.00 (105.70 to 106.70): VU038673.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VU038673.D (-2590) (-)

1200000

1000000

800000

600000

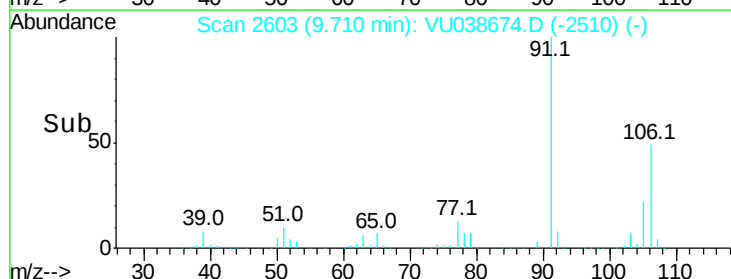
400000

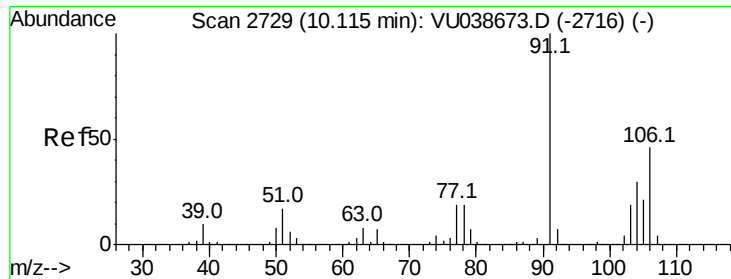
200000

0

9.60 9.70 9.80

Time-->





#54

o-xylene

Concen: 107.172 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. 0.00 min

Lab File: VU038674.D

Acq: 08 Jun 2020 17:01

Instrument :

MSVOA_U

ClientSampleId :

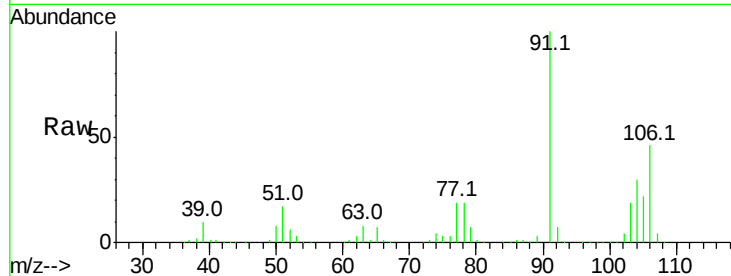
VSTD10033

Tgt Ion:106 Resp: 806015

Ion Ratio Lower Upper

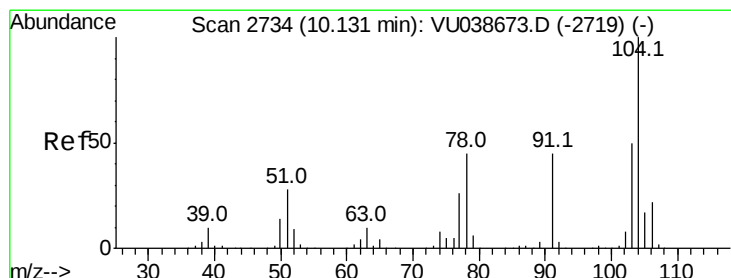
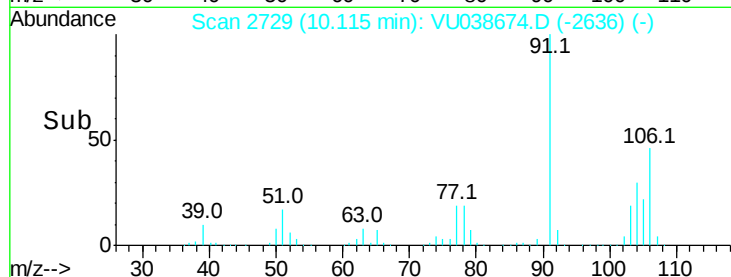
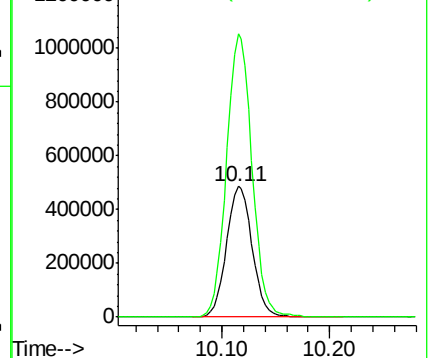
106 100

91 216.6 151.2 280.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 109.889 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU038674.D

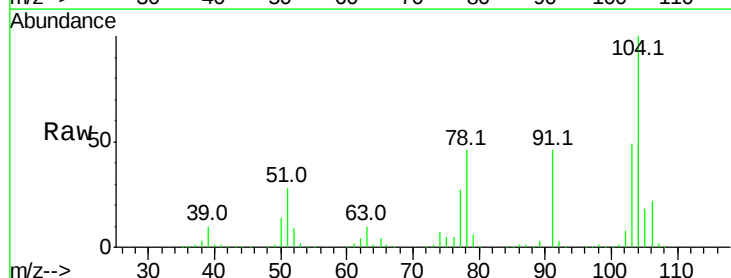
Acq: 08 Jun 2020 17:01

Tgt Ion:104 Resp: 1420421

Ion Ratio Lower Upper

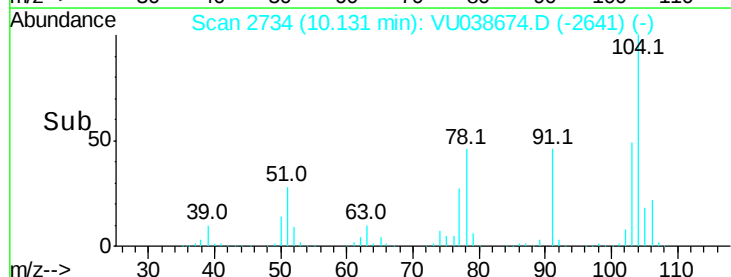
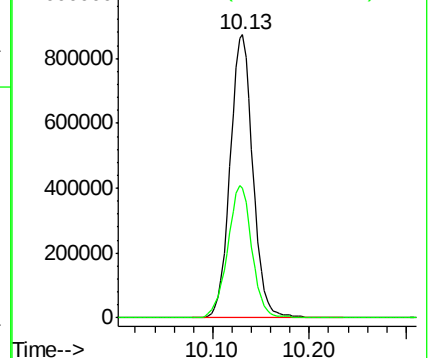
104 100

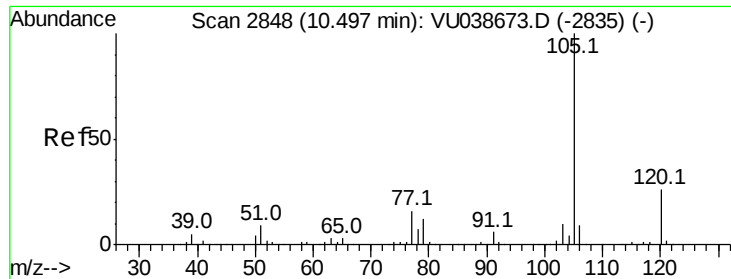
78 45.7 31.6 58.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 106.406 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VU038674.D

Acq: 08 Jun 2020 17:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD10033

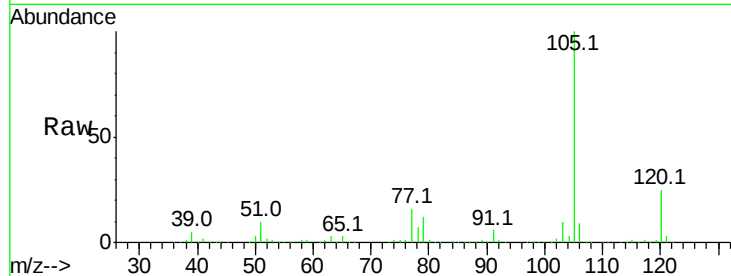
Tgt Ion:105 Resp: 2091280

Ion Ratio Lower Upper

105 100

120 25.6 20.9 31.3

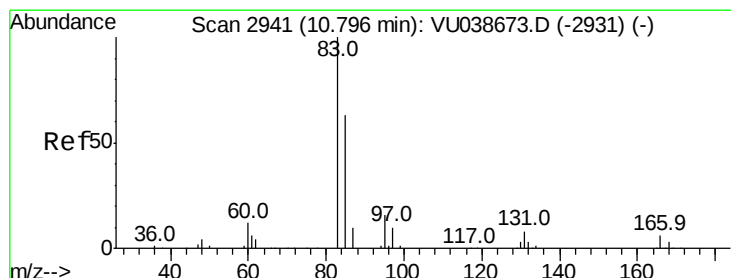
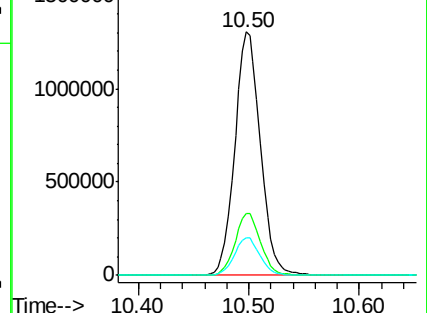
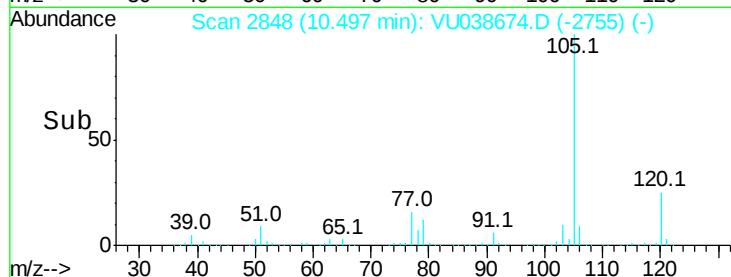
77 15.7 12.6 19.0



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: 107.006 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. 0.00 min

Lab File: VU038674.D

Acq: 08 Jun 2020 17:01

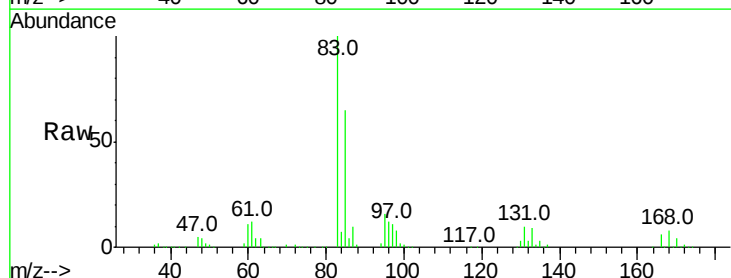
Tgt Ion: 83 Resp: 774962

Ion Ratio Lower Upper

83 100

85 64.9 45.3 84.1

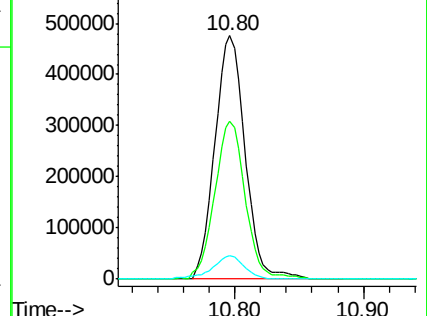
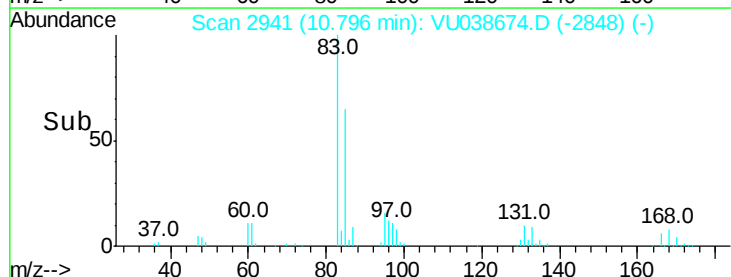
131 9.5 7.2 10.8

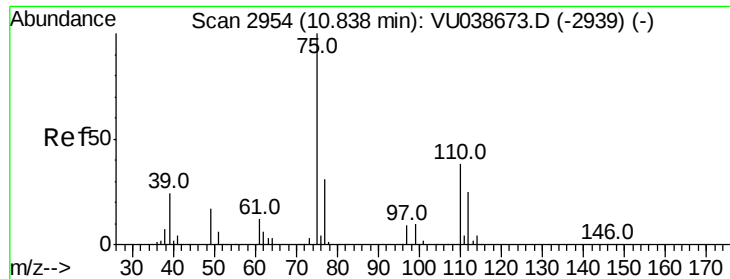


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 106.579 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. 0.00 min

Lab File: VU038674.D

Acq: 08 Jun 2020 17:01

Instrument :

MSVOA_U

ClientSampleId :

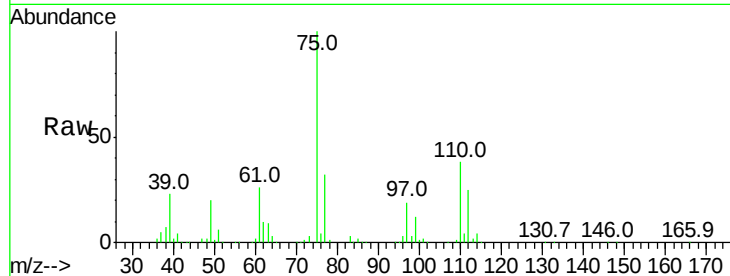
VSTD10033

Tgt Ion: 75 Resp: 664651

Ion Ratio Lower Upper

75 100

77 31.8 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VU038673.D (-2939) (-)

Ion 77.00 (76.70 to 77.70): VU038673.D (-2939) (-)

10.84

400000

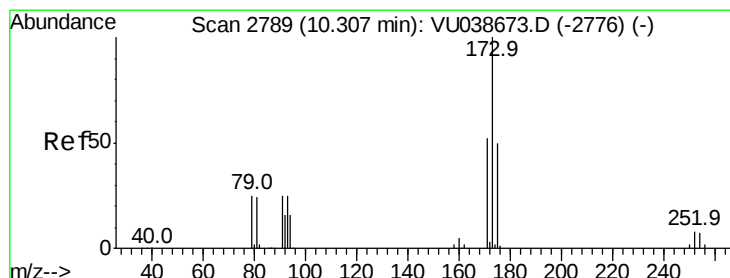
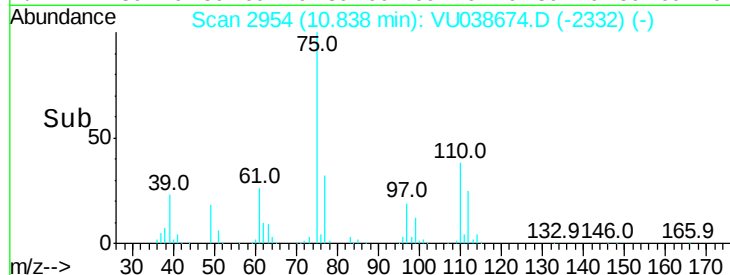
300000

200000

100000

0

Time-->



#61

Bromoform

Concen: 111.721 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. 0.00 min

Lab File: VU038674.D

Acq: 08 Jun 2020 17:01

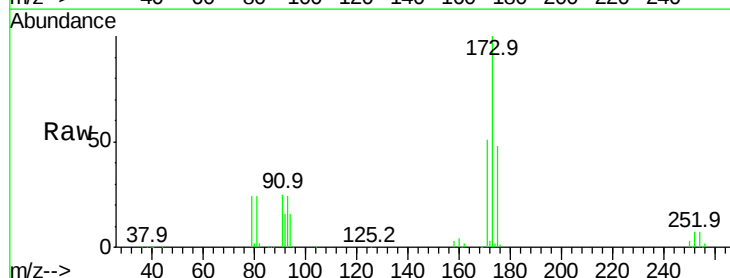
Tgt Ion: 173 Resp: 356517

Ion Ratio Lower Upper

173 100

175 48.2 39.0 58.4

254 7.1 5.8 8.8



Abundance Ion 173.00 (172.70 to 173.70): VU038673.D (-2776) (-)

Ion 175.00 (174.70 to 175.70): VU038673.D (-2776) (-)

Ion 254.00 (253.70 to 254.70): VU038673.D (-2776) (-)

10.31

300000

250000

200000

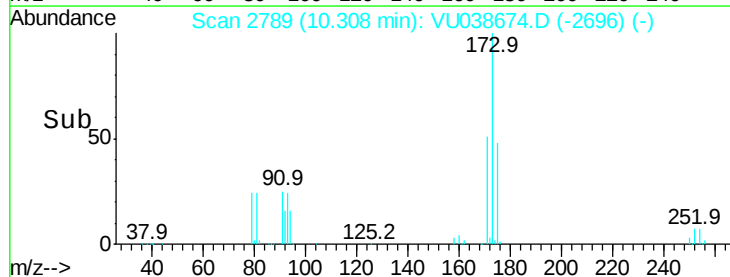
150000

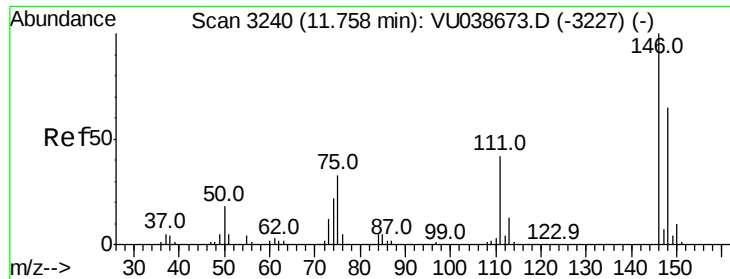
100000

50000

0

Time-->

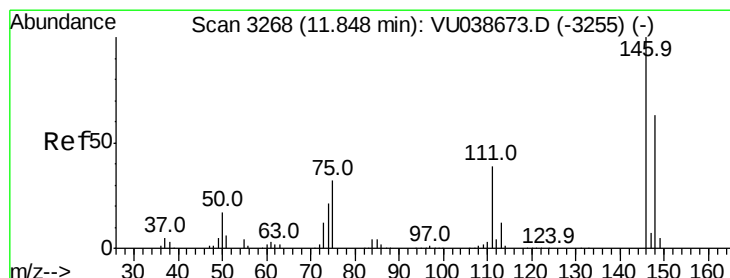
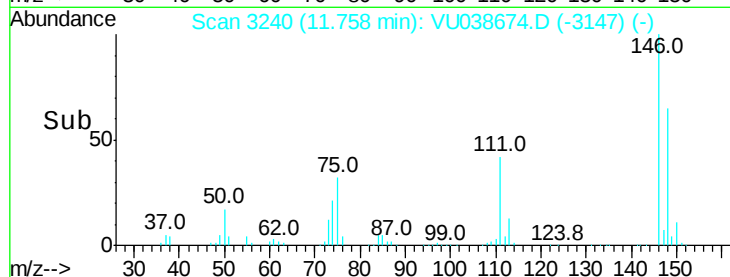
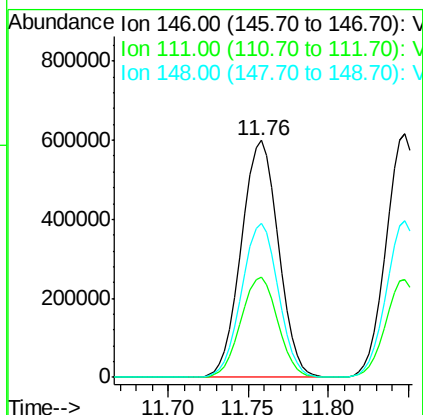
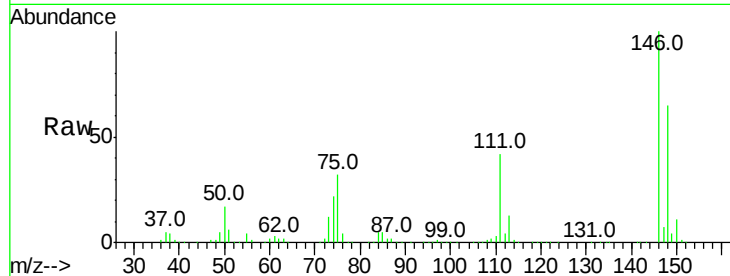




#62
 1,3-Dichlorobenzene
 Concen: 102.160 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU038674.D
 Acq: 08 Jun 2020 17:01

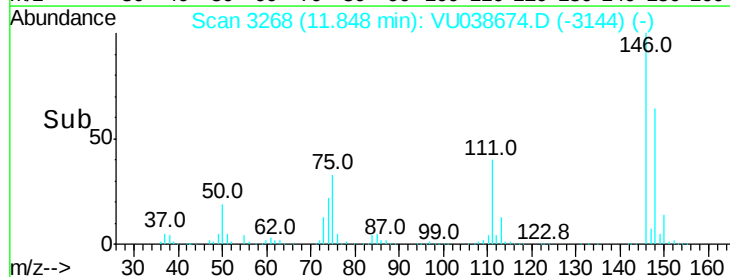
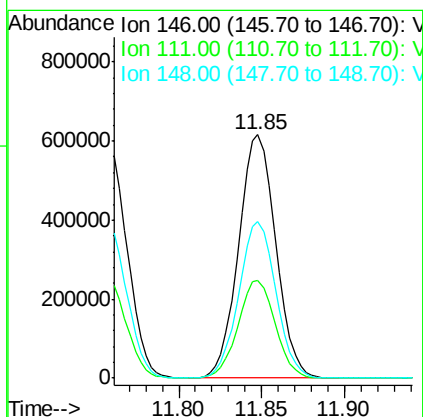
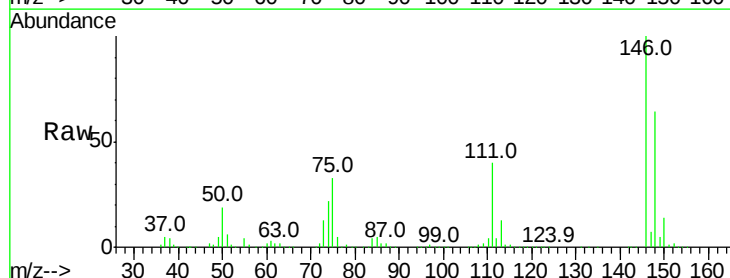
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10033

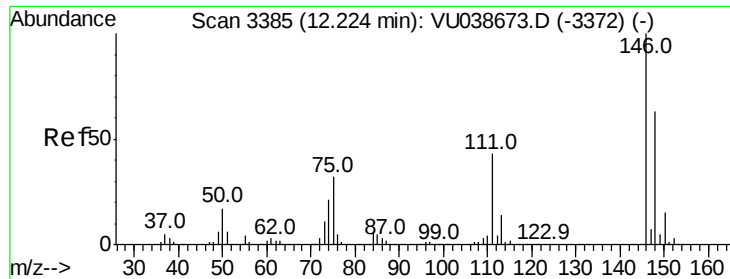
Tgt Ion:146 Resp: 948642
 Ion Ratio Lower Upper
 146 100
 111 42.2 29.2 54.2
 148 65.0 45.2 84.0



#63
 1,4-Dichlorobenzene
 Concen: 101.626 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. 0.00 min
 Lab File: VU038674.D
 Acq: 08 Jun 2020 17:01

Tgt Ion:146 Resp: 959211
 Ion Ratio Lower Upper
 146 100
 111 40.3 27.6 51.4
 148 64.2 44.3 82.3





#65

1,2-Dichlorobenzene

Concen: 103.984 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. 0.00 min

Lab File: VU038674.D

Acq: 08 Jun 2020 17:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD10033

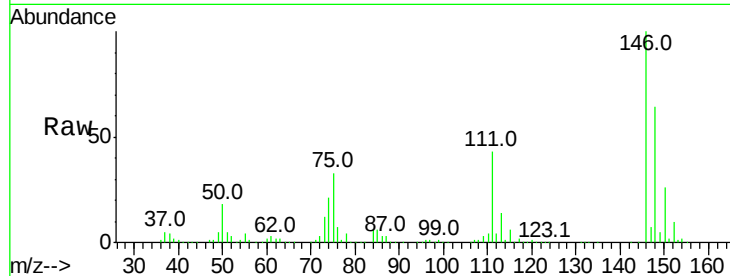
Tgt Ion:146 Resp: 957525

Ion Ratio Lower Upper

146 100

111 42.7 34.8 52.2

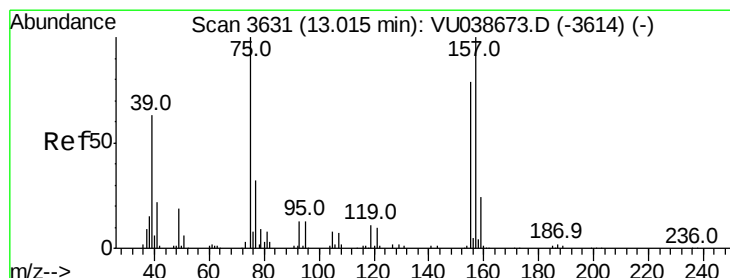
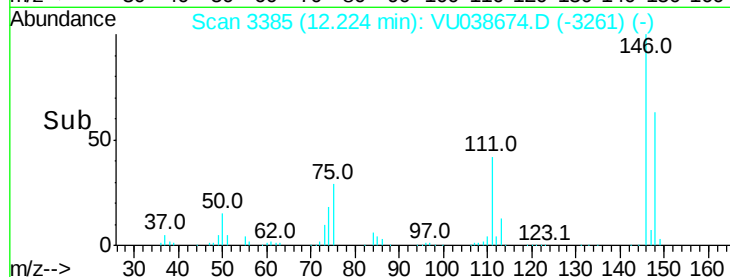
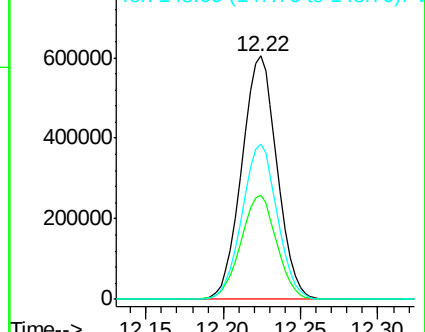
148 63.6 50.8 76.2



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: 110.410 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VU038674.D

Acq: 08 Jun 2020 17:01

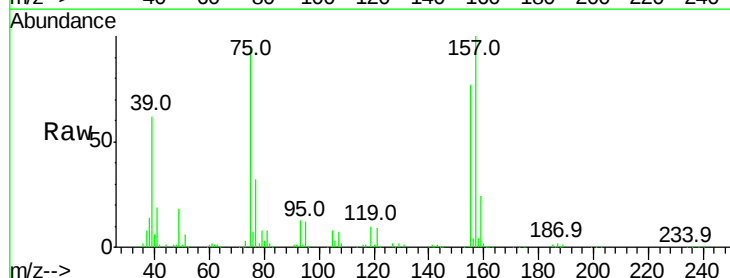
Tgt Ion: 75 Resp: 208140

Ion Ratio Lower Upper

75 100

155 82.2 63.8 95.6

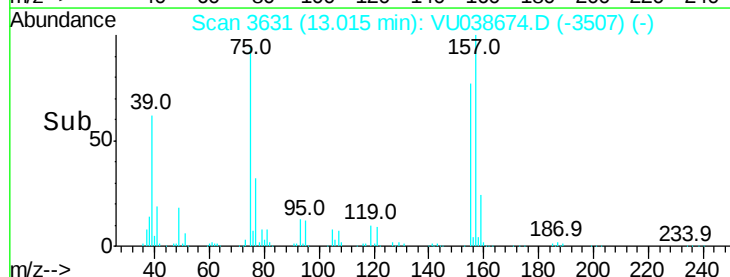
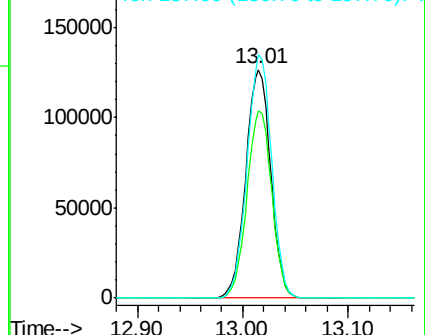
157 106.5 80.2 120.2

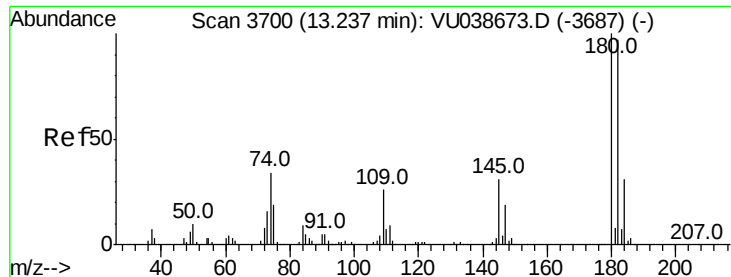


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

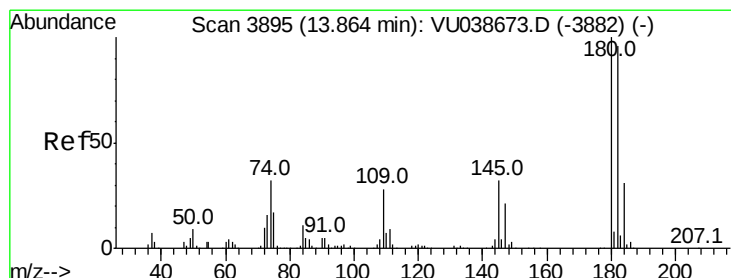
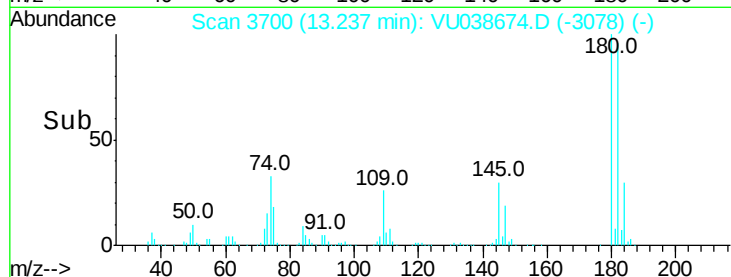
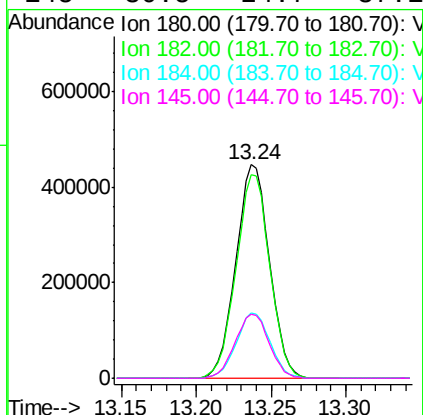
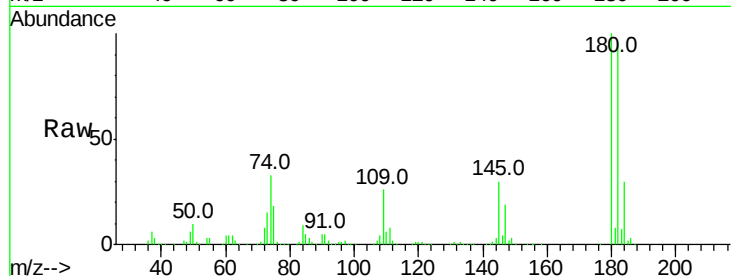




#67
 1,3,5-Trichlorobenzene
 Concen: 105.721 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU038674.D
 Acq: 08 Jun 2020 17:01

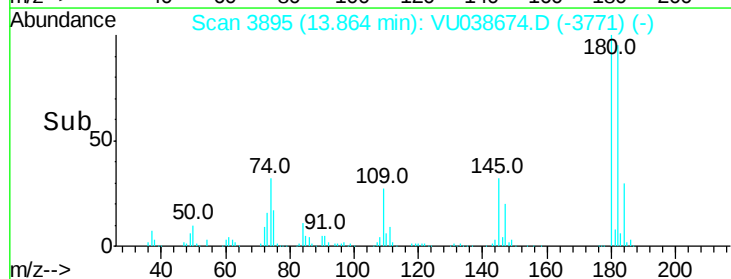
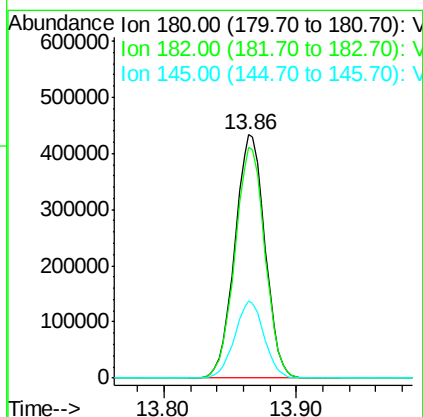
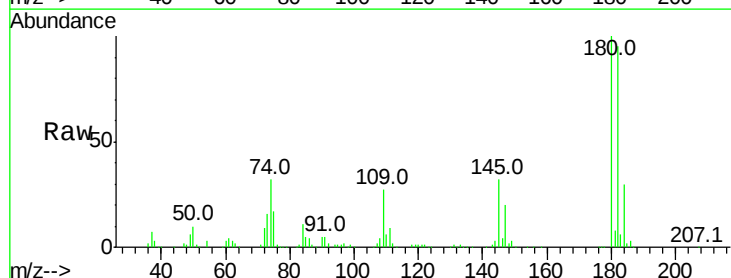
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10033

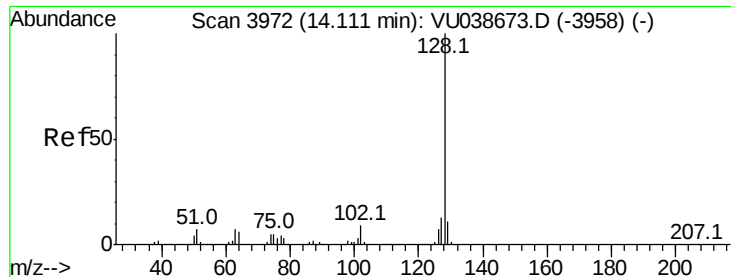
Tgt Ion:	180	Resp:	698667
Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.6	114.8
184	30.6	24.7	37.1
145	30.5	24.7	37.1



#68
 1,2,4-trichlorobenzene
 Concen: 107.539 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. 0.00 min
 Lab File: VU038674.D
 Acq: 08 Jun 2020 17:01

Tgt Ion:	180	Resp:	681618
Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.8	115.2
145	31.0	25.4	38.2





#69

Naphthalene

Concen: 113.745 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. 0.00 min

Lab File: VU038674.D

Acq: 08 Jun 2020 17:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD10033

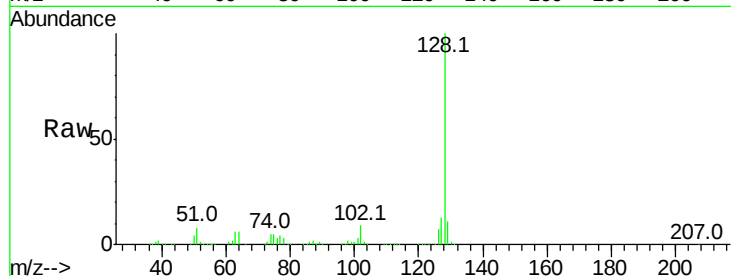
Tgt Ion:128 Resp: 2581371

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

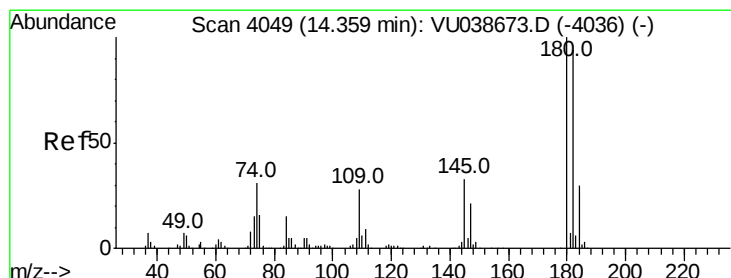
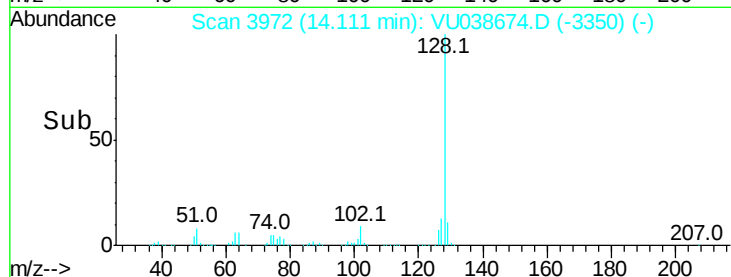
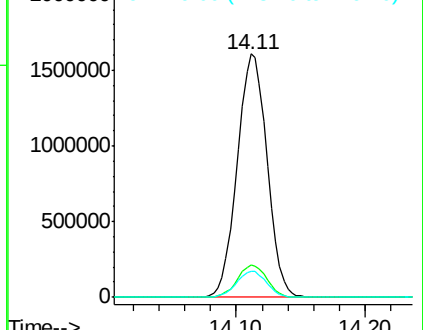
129 10.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 108.811 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. 0.00 min

Lab File: VU038674.D

Acq: 08 Jun 2020 17:01

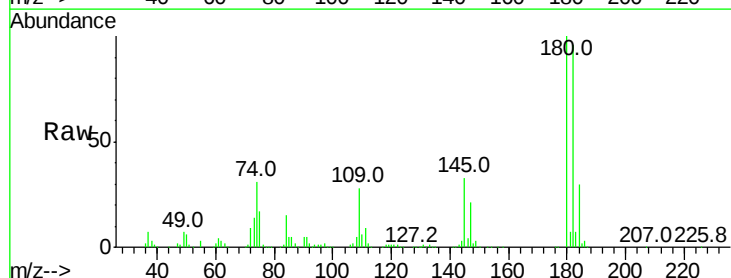
Tgt Ion:180 Resp: 688970

Ion Ratio Lower Upper

180 100

182 95.7 75.9 113.9

145 33.3 26.4 39.6



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

