

Data File : VU038673.D
Acq On : 08 Jun 2020 16:39
Operator : SY/MD
Sample : VSTD050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05032

Quant Time: Jun 08 16:56:18 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Jun 08 16:41:34 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	599237	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	588362	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	300297	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	167280	44.47	ug/L	0.00
7) Chloroethane-d5	1.93	69	133592	45.97	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	362914	47.20	ug/L	0.00
21) 2-Butanone-d5	4.66	46	321904	90.07	ug/L	-0.01
24) Chloroform-d	5.10	84	359607	48.68	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	230073	45.45	ug/L	0.00
32) Benzene-d6	5.76	84	714793	46.76	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	219526	46.32	ug/L	0.00
41) Toluene-d8	7.92	98	651182	48.19	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	111702	47.35	ug/L	0.00
47) 2-Hexanone-d5	8.65	63	235061	94.21	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	322927	46.04	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	254880	45.79	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	235977	52.317	ug/L	99
3) Chloromethane	1.53	50	222602	53.547	ug/L	98
5) Vinyl chloride	1.62	62	234135	50.983	ug/L	100
6) Bromomethane	1.87	94	124335	66.178	ug/L	97
8) Chloroethane	1.95	64	143264	51.053	ug/L	97
9) Trichlorofluoromethane	2.16	101	327956	53.285	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	190888	51.872	ug/L	99
12) 1,1-Dichloroethene	2.61	96	190658	52.477	ug/L	97
13) Acetone	2.66	43	247499	83.341	ug/L	96
14) Carbon disulfide	2.82	76	610789	51.548	ug/L	99
15) Methyl Acetate	2.98	43	269444	50.615	ug/L	99
16) Methylene chloride	3.08	84	221136	52.970	ug/L	95
17) trans-1,2-Dichloroethene	3.39	96	203865	52.239	ug/L	97
18) Methyl tert-butyl Ether	3.40	73	679873	54.328	ug/L	99
19) 1,1-Dichloroethane	3.91	63	387811	52.475	ug/L	98
20) cis-1,2-Dichloroethene	4.71	96	228550	53.461	ug/L	95
22) 2-Butanone	4.74	43	396974	95.343	ug/L	99
23) Bromochloromethane	5.01	128	112014	52.925	ug/L	97
25) Chloroform	5.12	83	388721	51.147	ug/L	96
27) 1,2-Dichloroethane	5.83	62	325884	52.957	ug/L	99
29) Cyclohexane	5.42	56	342306	50.742	ug/L	98
30) 1,1,1-Trichloroethane	5.35	97	345549	54.010	ug/L	99
31) Carbon tetrachloride	5.56	117	282868	53.049	ug/L	100
33) Benzene	5.81	78	878737	53.177	ug/L	100
34) Trichloroethene	6.57	95	221994	52.507	ug/L	100
35) Methylcyclohexane	6.79	83	338592	51.008	ug/L	100
37) 1,2-Dichloropropane	6.82	63	227300	53.038	ug/L	100
38) Bromodichloromethane	7.13	83	294466	53.617	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	356329	52.251	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	705316	103.485	ug/L	99

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	922375	53.167	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	341938	53.565	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	220589	54.240	ug/L	99
46) Tetrachloroethene	8.57	164	161206	52.155	ug/L	98
48) 2-Hexanone	8.70	43	580176	100.820	ug/L	99
49) Dibromochloromethane	8.83	129	226900	55.103	ug/L	99
50) 1,2-Dibromoethane	8.94	107	236198	54.033	ug/L	98
51) Chlorobenzene	9.47	112	584350	52.410	ug/L	99
52) Ethylbenzene	9.59	91	1027197	52.844	ug/L	99
53) m,p-Xylene	9.71	106	394404	53.056	ug/L	99
54) o-xylene	10.11	106	382773	52.962	ug/L	100
55) Styrene	10.13	104	673096	54.187	ug/L	99
56) Isopropylbenzene	10.50	105	1001280	53.015	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	361257	51.907	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	316829	52.867	ug/L	99
61) Bromoform	10.31	173	163279	54.122	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	457074	52.065	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	463990	51.998	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	456151	52.397	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.01	75	94993	53.300	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	328818	52.630	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	310237	51.773	ug/L	99
69) Naphthalene	14.11	128	1163233	54.217	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	322056	53.801	ug/L	99

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

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```
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Instrument :
MSVOA_U
ClientSampleId :
VSTD05032

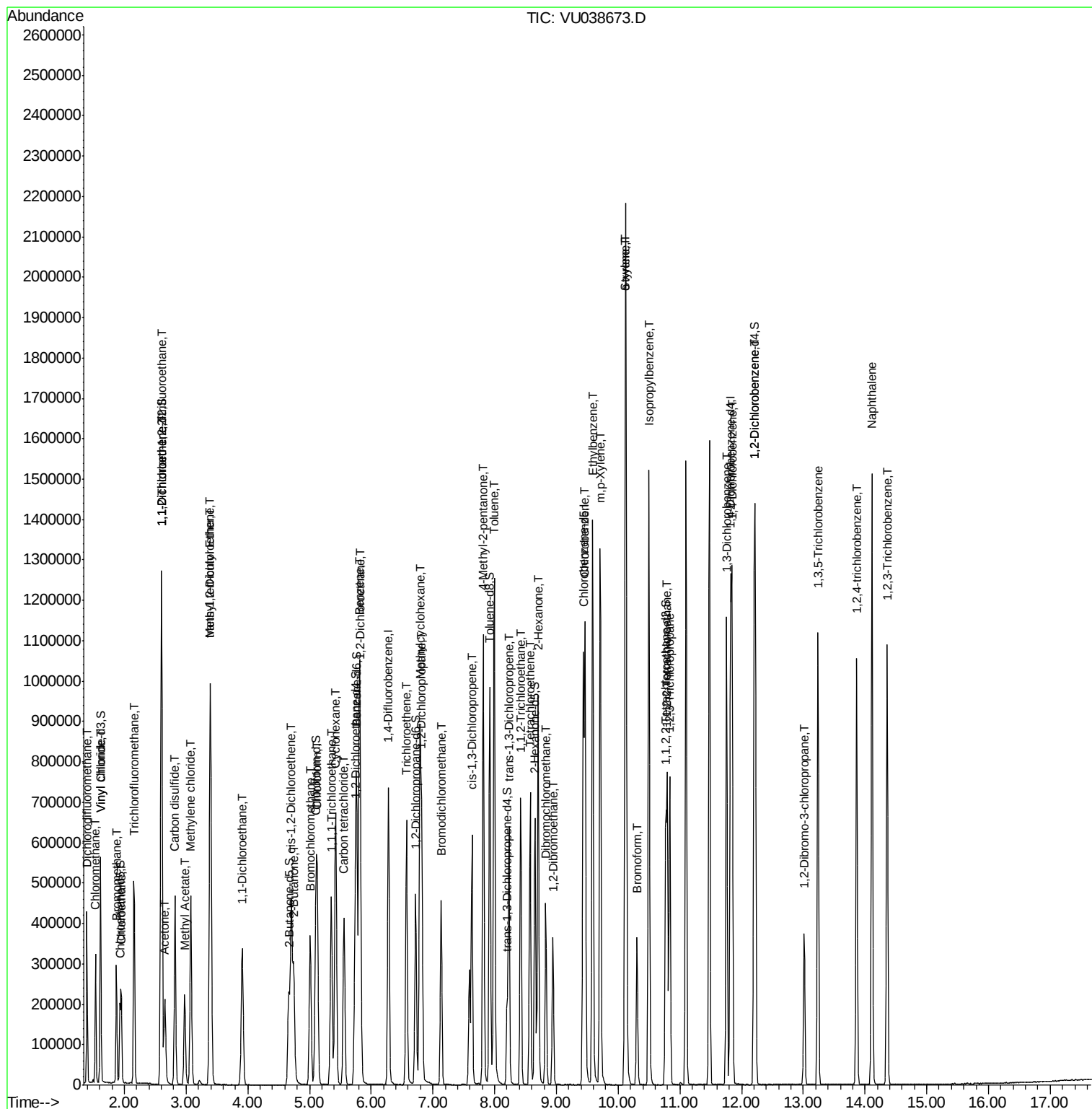
Quant Time: Jun 08 16:56:18 2020

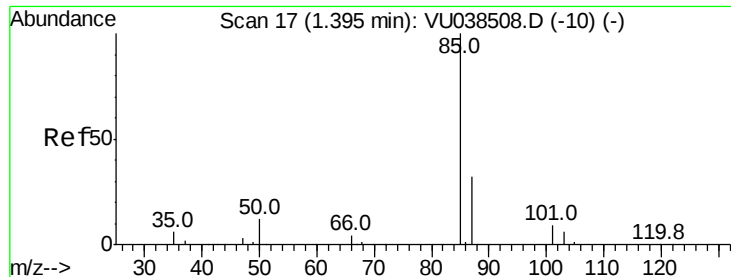
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMULM060820WMA.M

Quant Title : VOC Analysis

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 52.317 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038673.D

Acq: 08 Jun 2020 16:39

Instrument :

MSVOA_U

ClientSampleId :

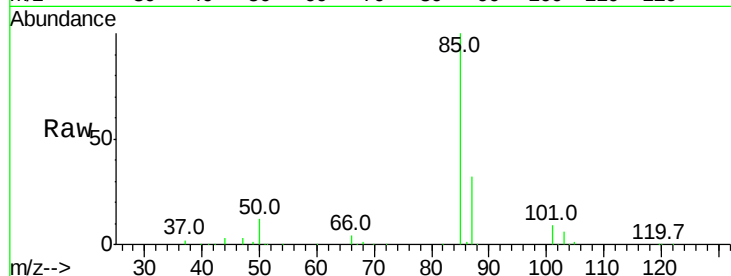
VSTD05032

Tgt Ion: 85 Resp: 235977

Ion Ratio Lower Upper

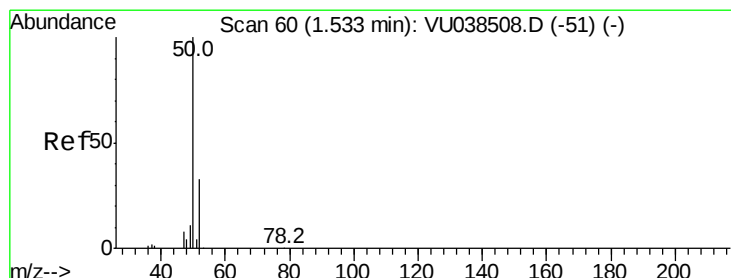
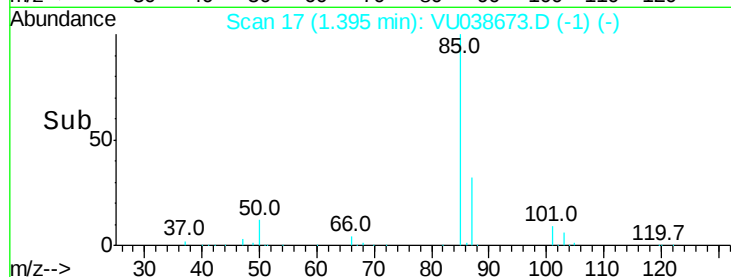
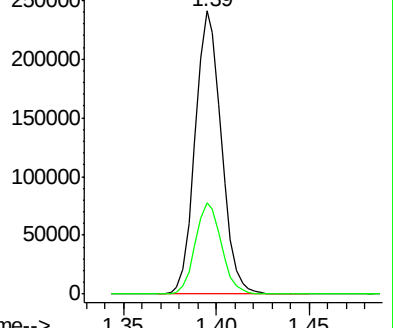
85 100

87 32.2 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU038508.D (-10) (-)

Ion 87.00 (86.70 to 87.70): VU038508.D (-10) (-)



#3

Chloromethane

Concen: 53.547 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU038673.D

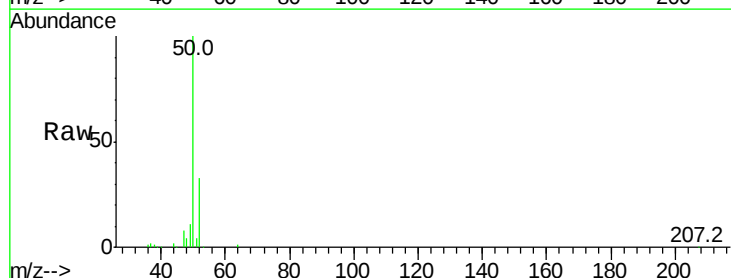
Acq: 08 Jun 2020 16:39

Tgt Ion: 50 Resp: 222602

Ion Ratio Lower Upper

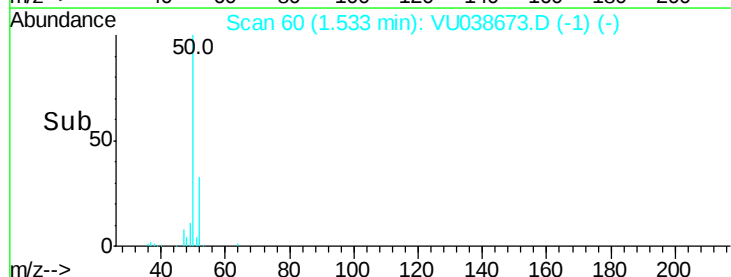
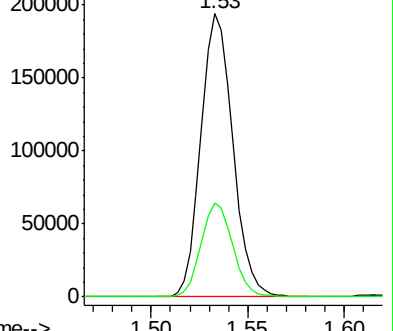
50 100

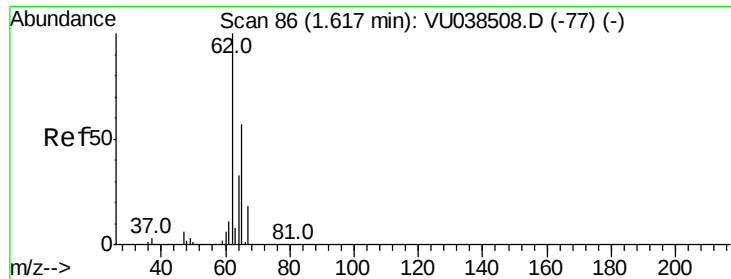
52 33.2 22.5 41.7



Abundance Ion 50.00 (49.70 to 50.70): VU038508.D (-51) (-)

Ion 52.00 (51.70 to 52.70): VU038508.D (-51) (-)





#5

Vinyl chloride

Concen: 50.983 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038673.D

Acq: 08 Jun 2020 16:39

Instrument :

MSVOA_U

ClientSampleId :

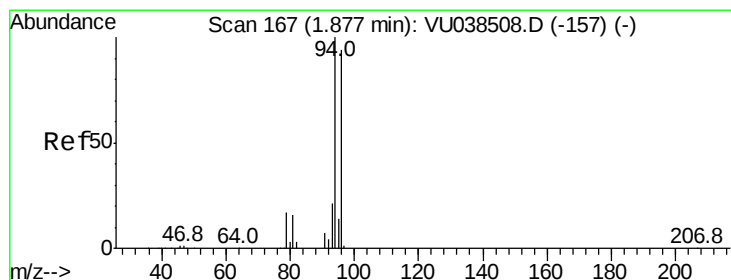
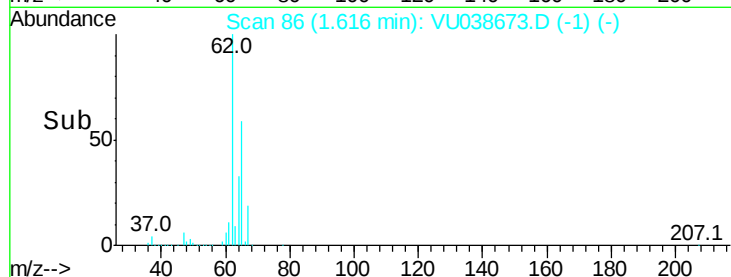
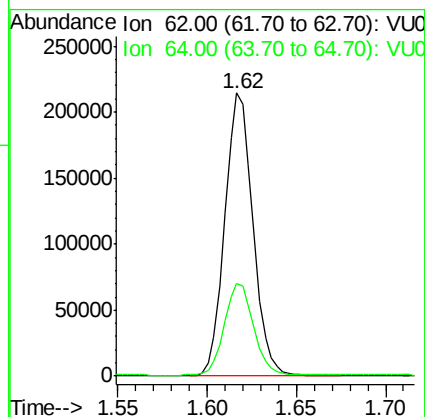
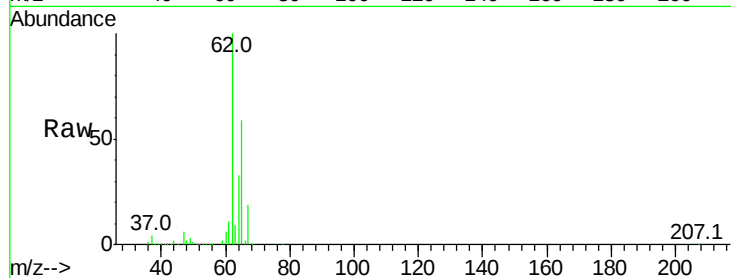
VSTD05032

Tgt Ion: 62 Resp: 234135

Ion Ratio Lower Upper

62 100

64 32.9 23.2 43.0



#6

Bromomethane

Concen: 66.178 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU038673.D

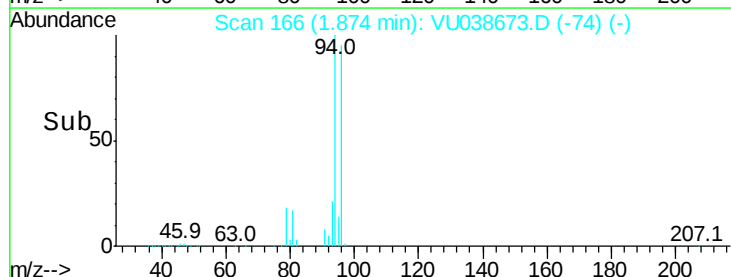
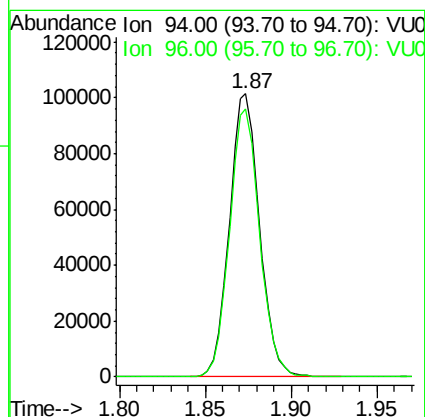
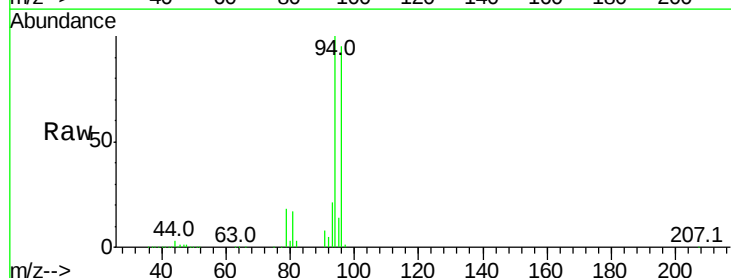
Acq: 08 Jun 2020 16:39

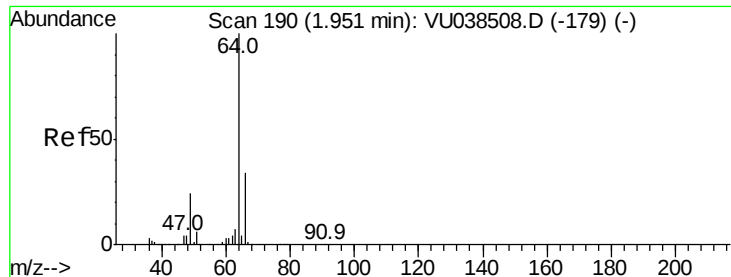
Tgt Ion: 94 Resp: 124335

Ion Ratio Lower Upper

94 100

96 94.6 64.3 119.5

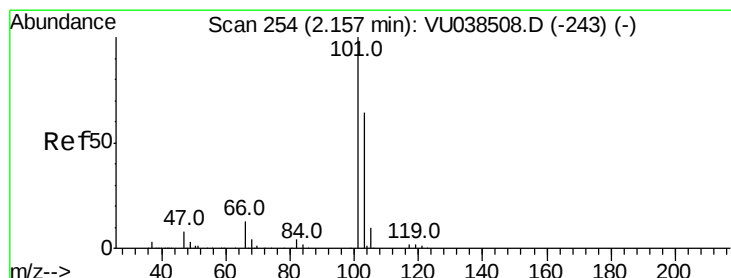
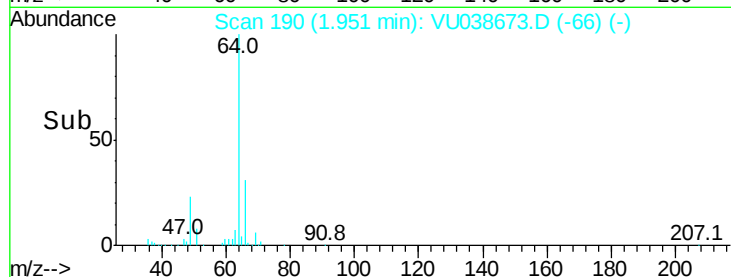
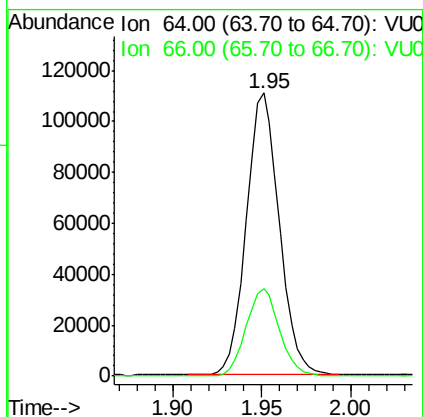
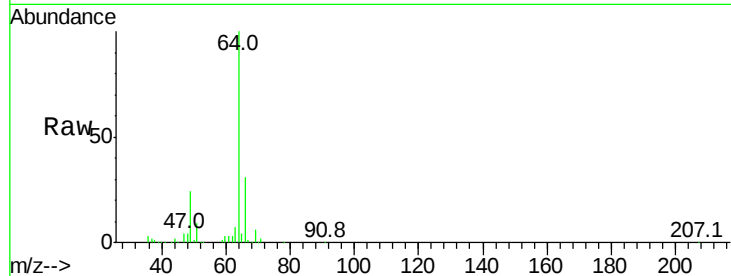




#8
 Chloroethane
 Concen: 51.053 ug/L
 RT: 1.95 min Scan# 190
 Delta R.T. -0.00 min
 Lab File: VU038673.D
 Acq: 08 Jun 2020 16:39

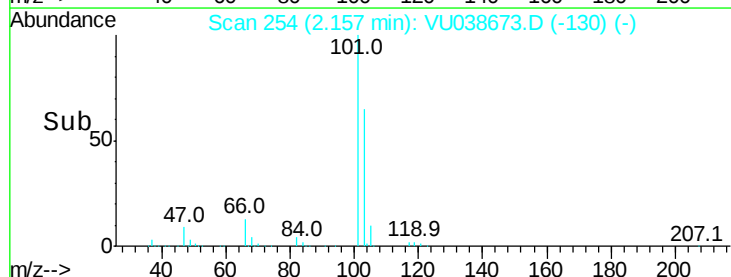
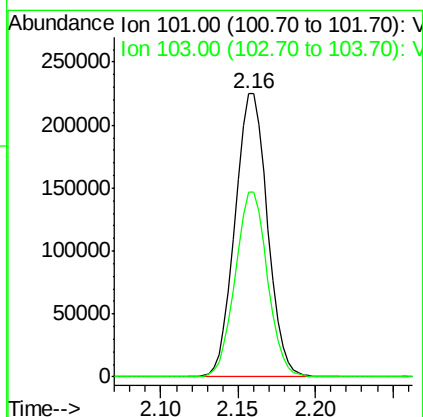
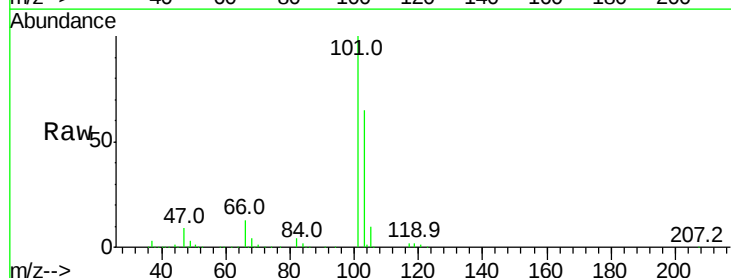
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

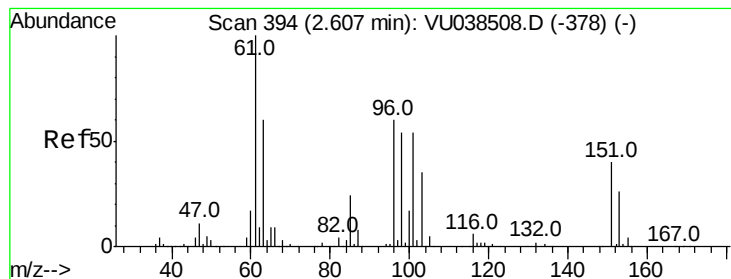
Tgt Ion: 64 Resp: 143264
 Ion Ratio Lower Upper
 64 100
 66 30.9 23.0 42.8



#9
 Trichlorofluoromethane
 Concen: 53.285 ug/L
 RT: 2.16 min Scan# 254
 Delta R.T. -0.00 min
 Lab File: VU038673.D
 Acq: 08 Jun 2020 16:39

Tgt Ion: 101 Resp: 327956
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.4 77.0





#10

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

Concen: 51.872 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU038673.D

Acq: 08 Jun 2020 16:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

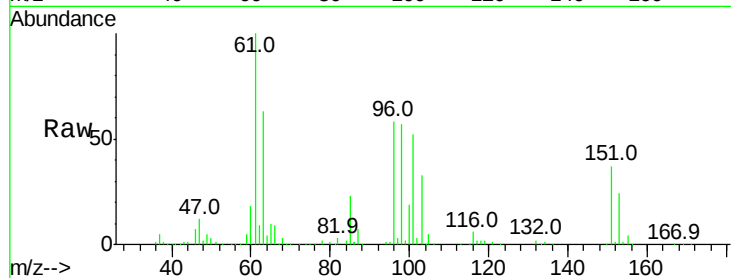
Tgt Ion: 101 Resp: 190888

Ion Ratio Lower Upper

101 100

85 43.9 35.5 53.3

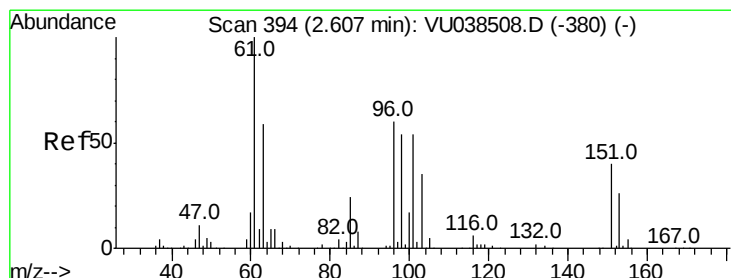
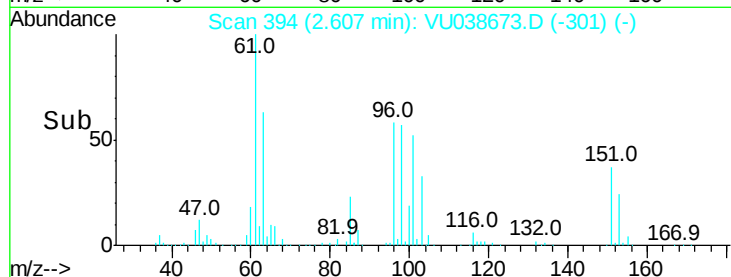
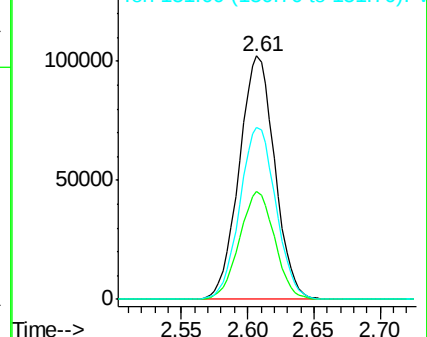
151 71.7 58.4 87.6



Abundance Ion 101.00 (100.70 to 101.70): VU038508.D (-378) (-)

Ion 85.00 (84.70 to 85.70): VU038508.D (-378) (-)

Ion 151.00 (150.70 to 151.70): VU038508.D (-378) (-)



#12

1,1-Dichloroethene

Concen: 52.477 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU038673.D

Acq: 08 Jun 2020 16:39

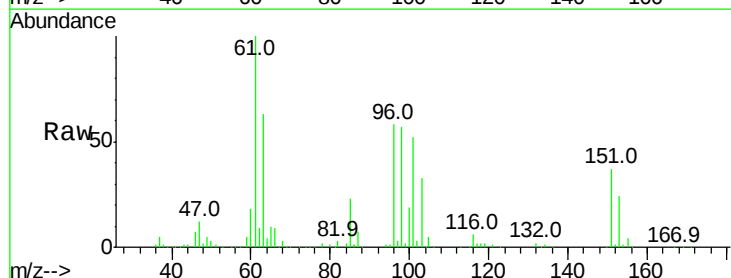
Tgt Ion: 96 Resp: 190658

Ion Ratio Lower Upper

96 100

61 171.5 123.5 229.3

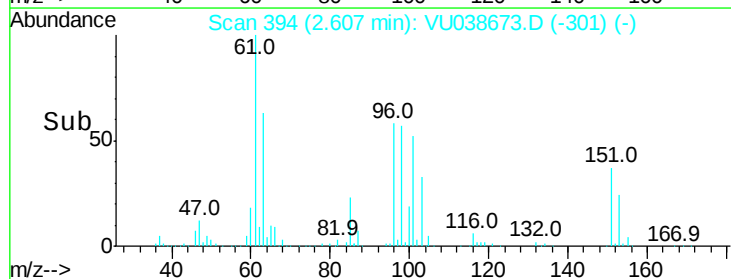
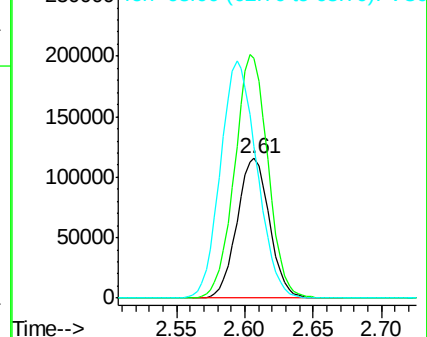
63 108.3 76.6 142.2

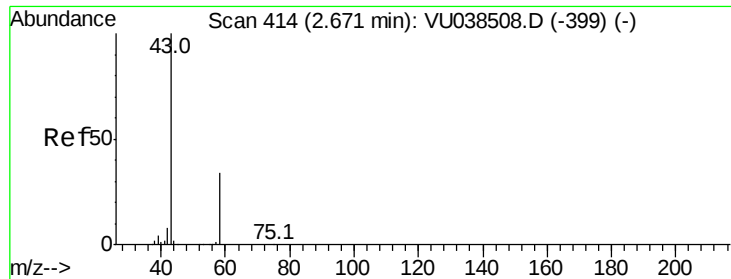


Abundance Ion 96.00 (95.70 to 96.70): VU038508.D (-380) (-)

Ion 61.00 (60.70 to 61.70): VU038508.D (-380) (-)

Ion 63.00 (62.70 to 63.70): VU038508.D (-380) (-)





#13

Acetone

Concen: 83.341 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU038673.D

Acq: 08 Jun 2020 16:39

Instrument :

MSVOA_U

ClientSampleId :

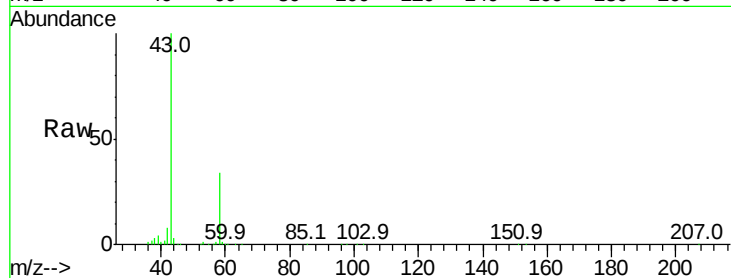
VSTD05032

Tgt Ion: 43 Resp: 247499

Ion Ratio Lower Upper

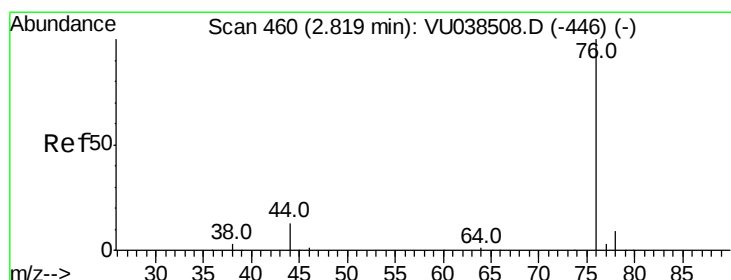
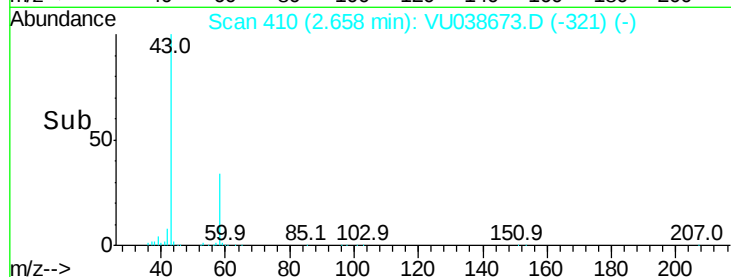
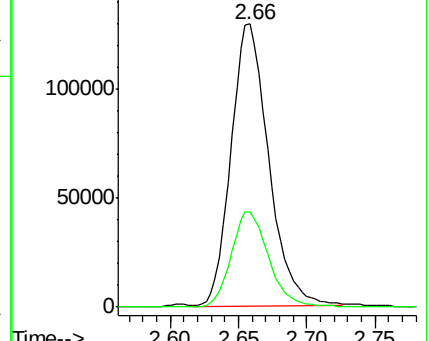
43 100

58 33.8 0.0 63.4



Abundance Ion 43.00 (42.70 to 43.70): VU038508.D (-399) (-)

Ion 58.00 (57.70 to 58.70): VU038508.D (-399) (-)



#14

Carbon disulfide

Concen: 51.548 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU038673.D

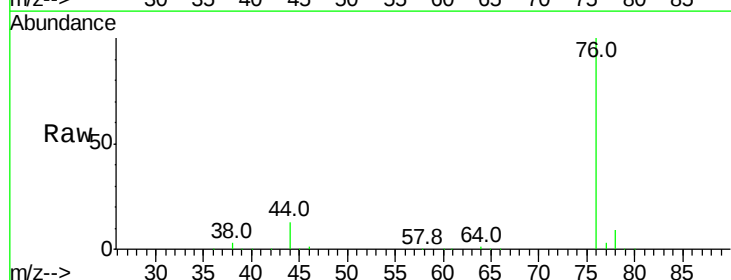
Acq: 08 Jun 2020 16:39

Tgt Ion: 76 Resp: 610789

Ion Ratio Lower Upper

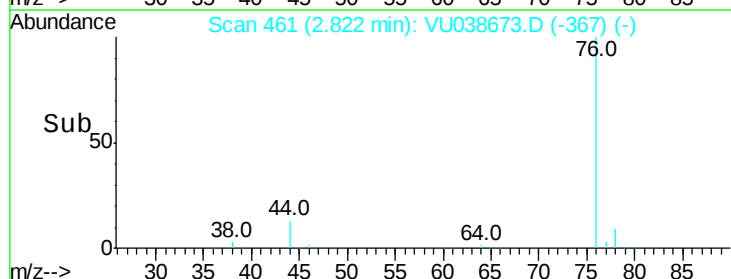
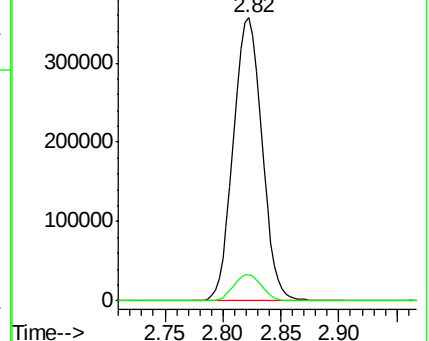
76 100

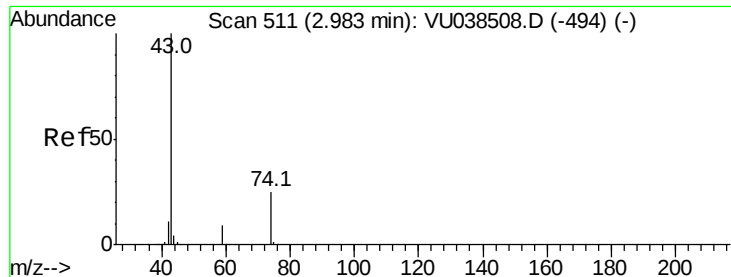
78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU038508.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU038508.D (-446) (-)





#15

Methyl Acetate

Concen: 50.615 ug/L

RT: 2.98 min Scan# 509

Delta R.T. -0.01 min

Lab File: VU038673.D

Acq: 08 Jun 2020 16:39

Instrument :

MSVOA_U

ClientSampleId :

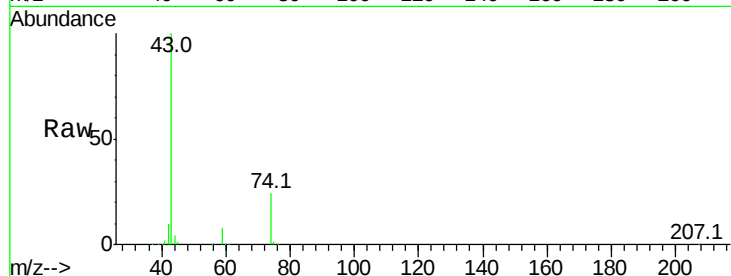
VSTD05032

Tgt Ion: 43 Resp: 269444

Ion Ratio Lower Upper

43 100

74 24.6 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VU038508.D (-494) (-)

Ion 74.00 (73.70 to 74.70): VU038508.D (-494) (-)

2.98

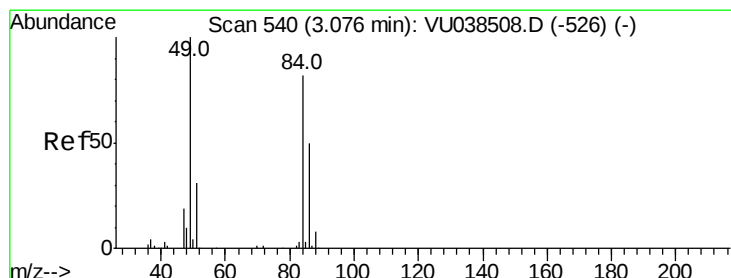
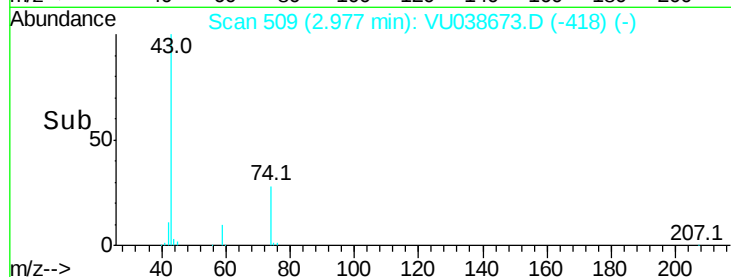
150000

100000

50000

0

Time-->



#16

Methylene chloride

Concen: 52.970 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU038673.D

Acq: 08 Jun 2020 16:39

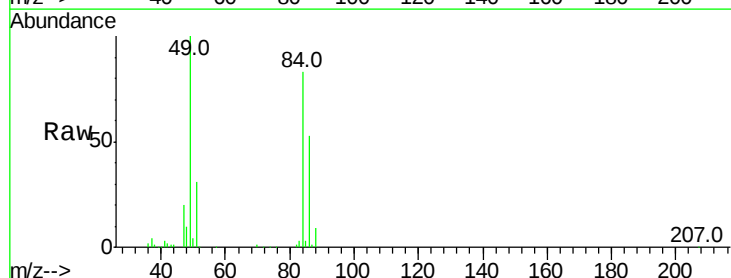
Tgt Ion: 84 Resp: 221136

Ion Ratio Lower Upper

84 100

86 63.9 46.1 85.7

49 120.7 90.0 167.2



Abundance Ion 84.00 (83.70 to 84.70): VU038508.D (-526) (-)

Ion 86.00 (85.70 to 86.70): VU038508.D (-526) (-)

Ion 49.00 (48.70 to 49.70): VU038508.D (-526) (-)

3.08

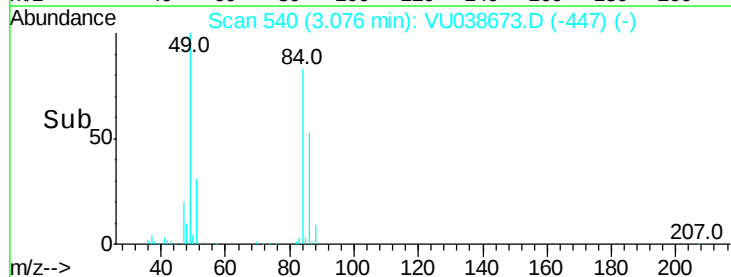
150000

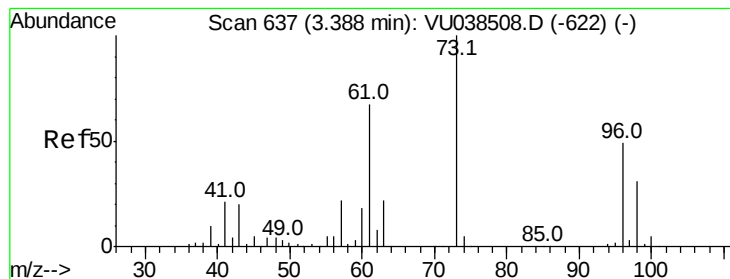
100000

50000

0

Time-->





#17

trans-1,2-Dichloroethene

Concen: 52.239 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU038673.D

Acq: 08 Jun 2020 16:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

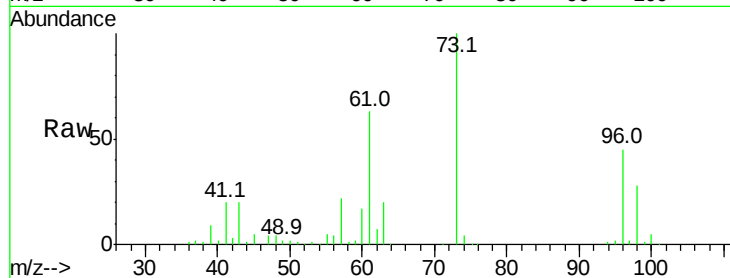
Tgt Ion: 96 Resp: 203865

Ion Ratio Lower Upper

96 100

61 140.3 100.4 186.4

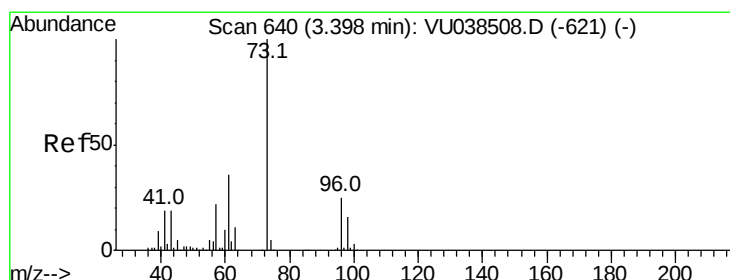
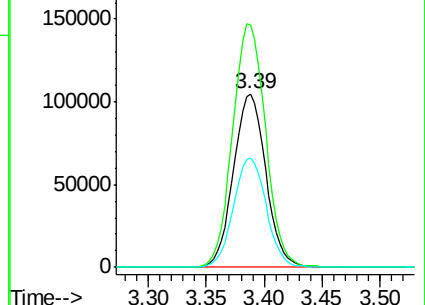
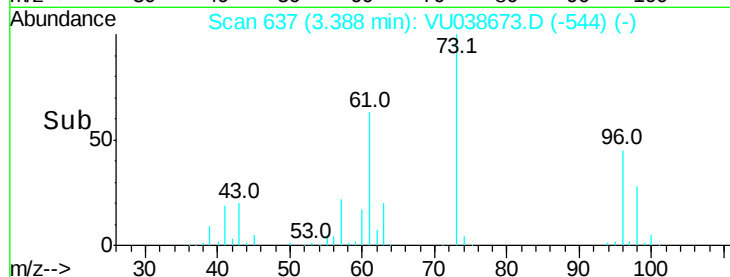
98 63.3 46.1 85.5



Abundance Ion 96.00 (95.70 to 96.70): VU038673.D (-544) (-)

Ion 61.00 (60.70 to 61.70): VU038673.D (-544) (-)

Ion 98.00 (97.70 to 98.70): VU038673.D (-544) (-)



#18

Methyl tert-butyl Ether

Concen: 54.328 ug/L

RT: 3.40 min Scan# 640

Delta R.T. -0.00 min

Lab File: VU038673.D

Acq: 08 Jun 2020 16:39

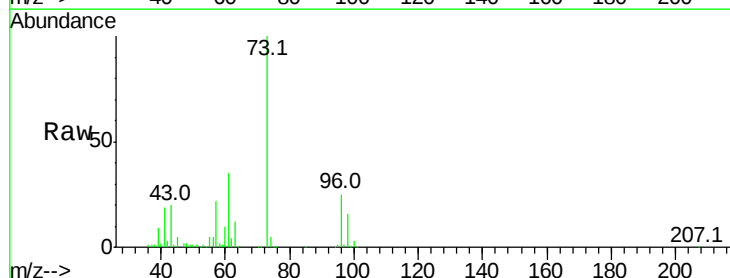
Tgt Ion: 73 Resp: 679873

Ion Ratio Lower Upper

73 100

43 19.5 15.7 23.5

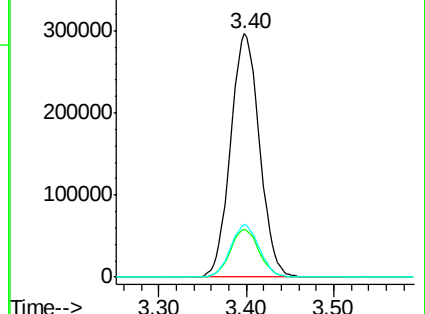
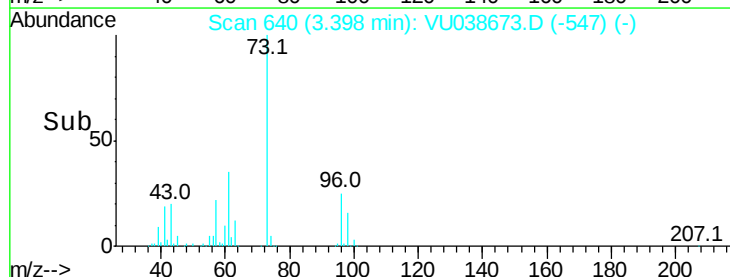
57 21.5 17.7 26.5

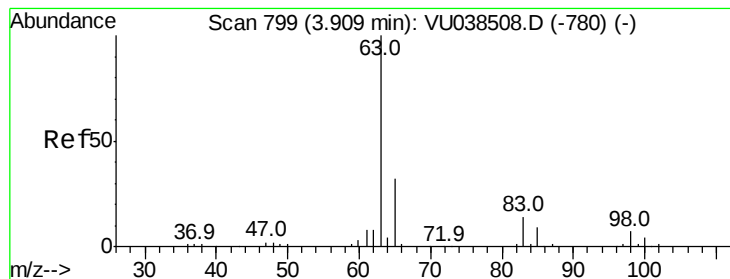


Abundance Ion 73.00 (72.70 to 73.70): VU038673.D (-547) (-)

Ion 43.00 (42.70 to 43.70): VU038673.D (-547) (-)

Ion 57.00 (56.70 to 57.70): VU038673.D (-547) (-)





#19

1,1-Dichloroethane

Concen: 52.475 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU038673.D

Acq: 08 Jun 2020 16:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

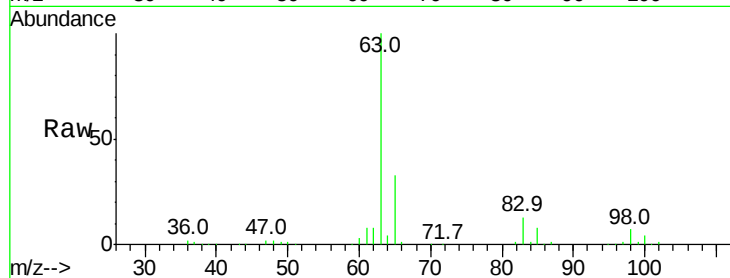
Tgt Ion: 63 Resp: 387811

Ion Ratio Lower Upper

63 100

65 32.9 22.2 41.2

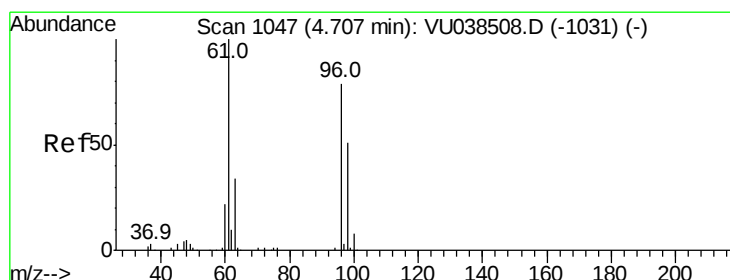
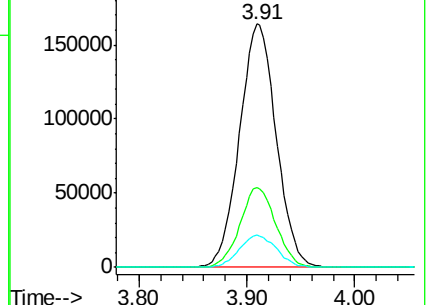
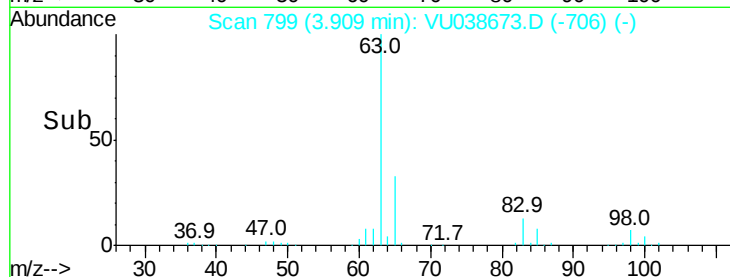
83 13.2 9.4 17.4



Abundance Ion 63.00 (62.70 to 63.70): VU038673.D (-706) (-)

Ion 65.00 (64.70 to 65.70): VU038673.D (-706) (-)

Ion 83.00 (82.70 to 83.70): VU038673.D (-706) (-)



#20

cis-1,2-Dichloroethene

Concen: 53.461 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038673.D

Acq: 08 Jun 2020 16:39

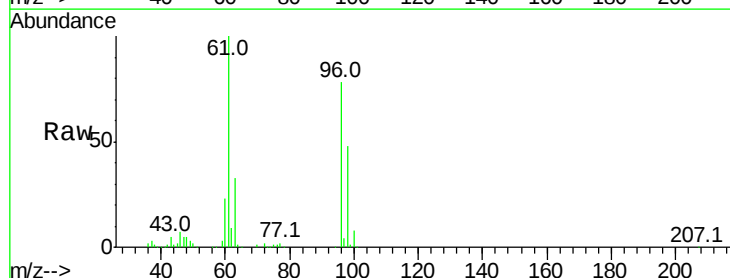
Tgt Ion: 96 Resp: 228550

Ion Ratio Lower Upper

96 100

61 127.8 93.4 173.4

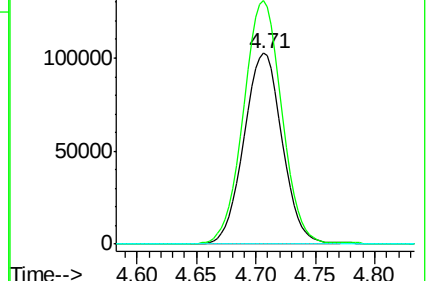
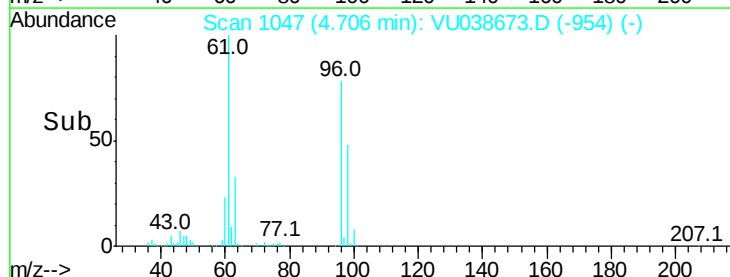
68 0.0 0.0 0.0

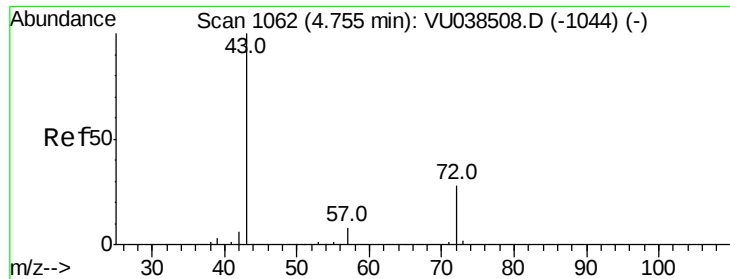


Abundance Ion 96.00 (95.70 to 96.70): VU038673.D (-954) (-)

Ion 61.00 (60.70 to 61.70): VU038673.D (-954) (-)

Ion 68.00 (67.70 to 68.70): VU038673.D (-954) (-)





#22

2-Butanone

Concen: 95.343 ug/L

RT: 4.74 min Scan# 1058

Delta R.T. -0.01 min

Lab File: VU038673.D

Acq: 08 Jun 2020 16:39

Instrument :

MSVOA_U

ClientSampleId :

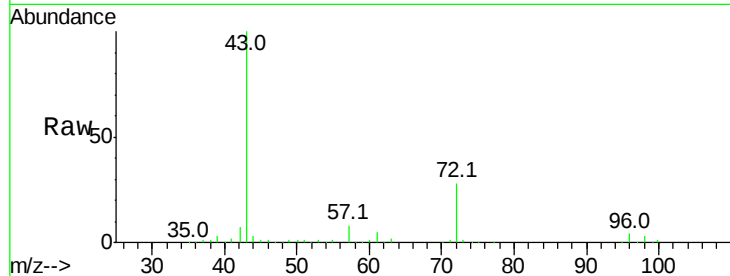
VSTD05032

Tgt Ion: 43 Resp: 396974

Ion Ratio Lower Upper

43 100

72 28.2 13.8 41.3



Abundance Ion 43.00 (42.70 to 43.70): VU038673.D (-1058) (-)

Ion 72.00 (71.70 to 72.70): VU038673.D (-1058) (-)

4.74

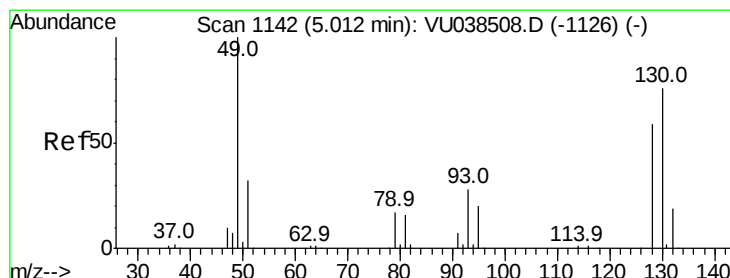
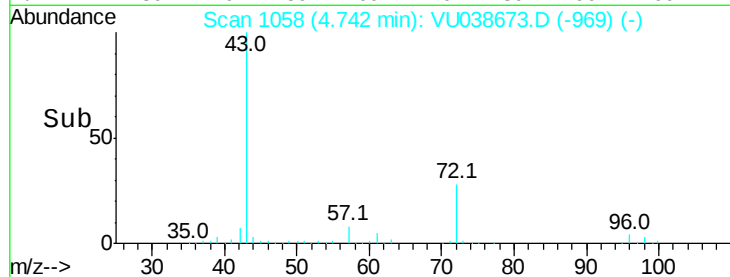
150000

100000

50000

0

Time-->



#23

Bromochloromethane

Concen: 52.925 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU038673.D

Acq: 08 Jun 2020 16:39

Tgt Ion: 128 Resp: 112014

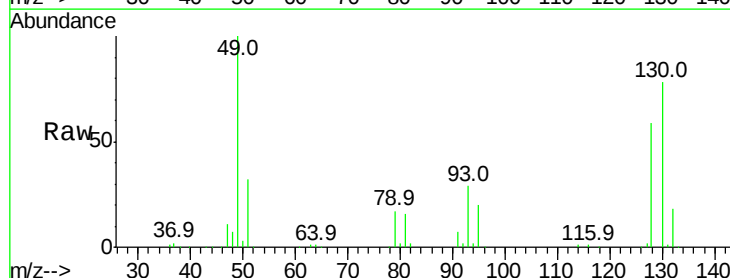
Ion Ratio Lower Upper

128 100

49 169.4 120.1 223.1

130 132.1 88.1 163.5

51 53.9 41.8 62.8



Abundance Ion 128.00 (127.70 to 128.70): VU038673.D (-1142) (-)

Ion 49.00 (48.70 to 49.70): VU038673.D (-1142) (-)

Ion 130.00 (129.70 to 130.70): VU038673.D (-1142) (-)

Ion 51.00 (50.70 to 51.70): VU038673.D (-1142) (-)

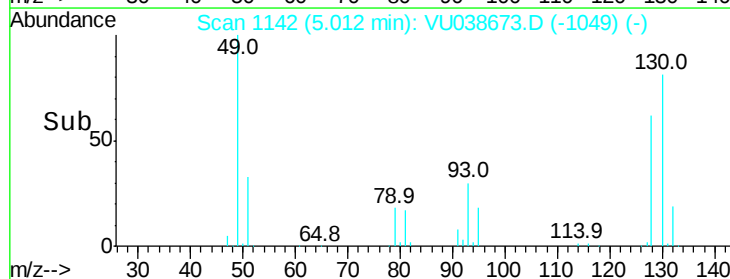
5.01

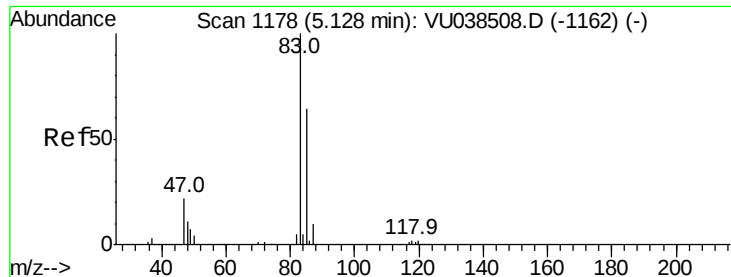
100000

50000

0

Time-->





#25

Chloroform

Concen: 51.147 ug/L

RT: 5.12 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VU038673.D

Acq: 08 Jun 2020 16:39

Instrument :

MSVOA_U

ClientSampleId :

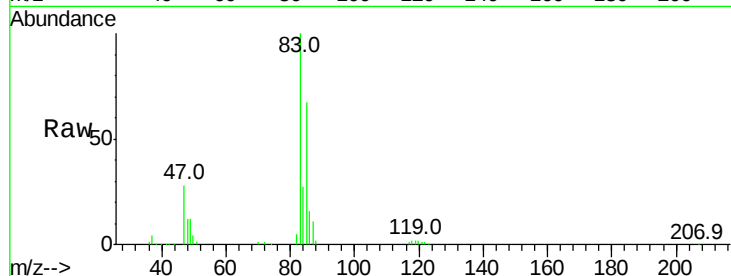
VSTD05032

Tgt Ion: 83 Resp: 388721

Ion Ratio Lower Upper

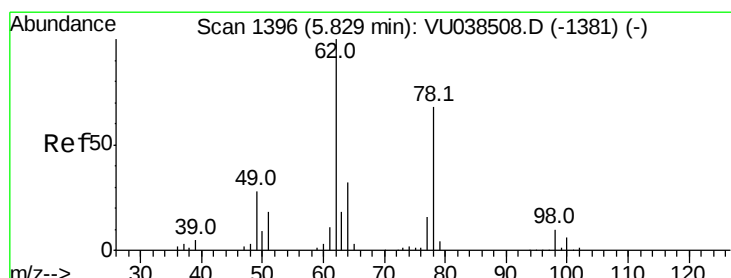
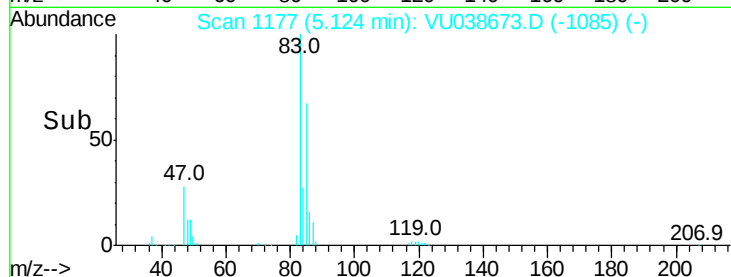
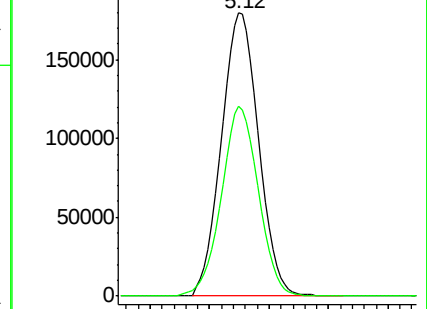
83 100

85 67.2 44.9 83.5



Abundance Ion 83.00 (82.70 to 83.70): VU038508.D (-1162) (-)

Ion 85.00 (84.70 to 85.70): VU038508.D (-1162) (-)



#27

1,2-Dichloroethane

Concen: 52.957 ug/L

RT: 5.83 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VU038673.D

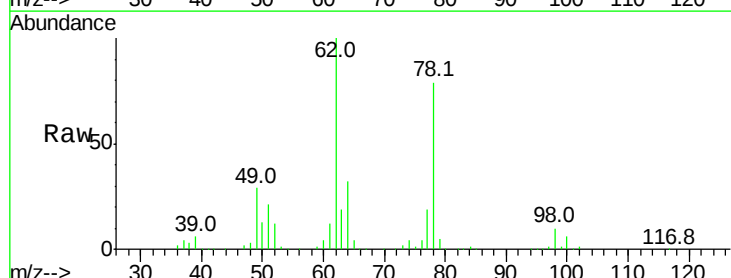
Acq: 08 Jun 2020 16:39

Tgt Ion: 62 Resp: 325884

Ion Ratio Lower Upper

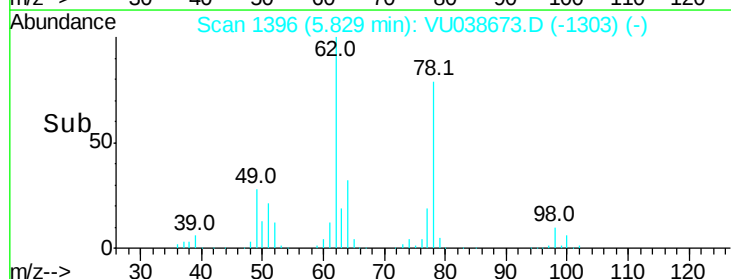
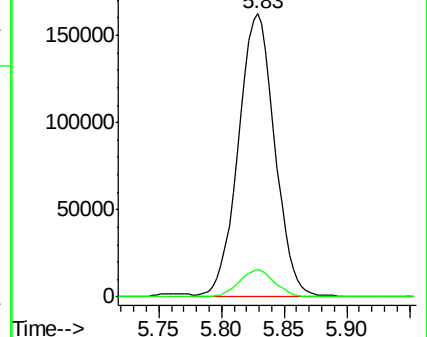
62 100

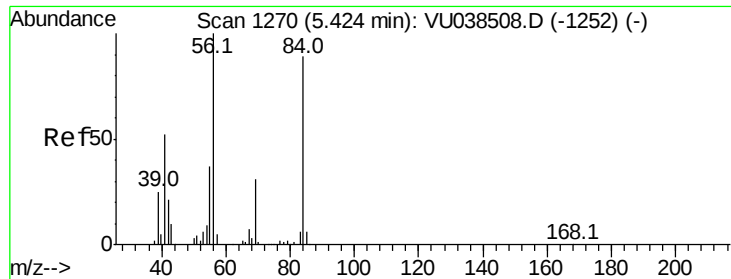
98 9.7 7.5 11.3



Abundance Ion 62.00 (61.70 to 62.70): VU038508.D (-1381) (-)

Ion 98.00 (97.70 to 98.70): VU038508.D (-1381) (-)





#29

Cyclohexane

Concen: 50.742 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VU038673.D

Acq: 08 Jun 2020 16:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

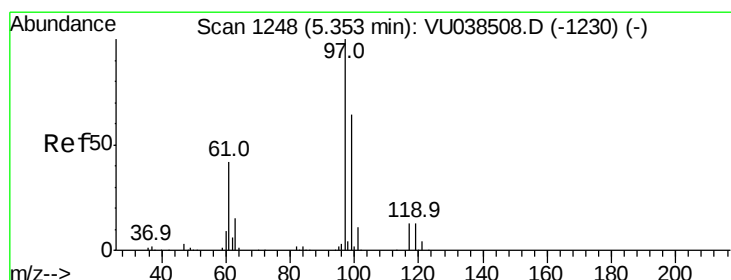
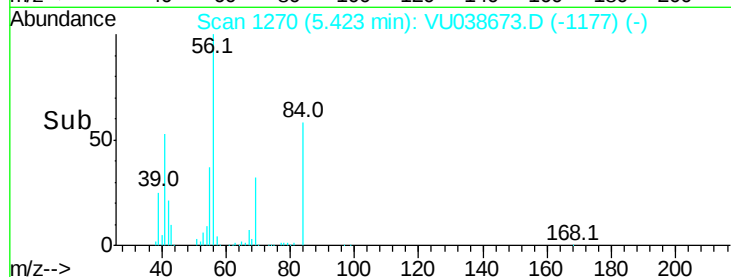
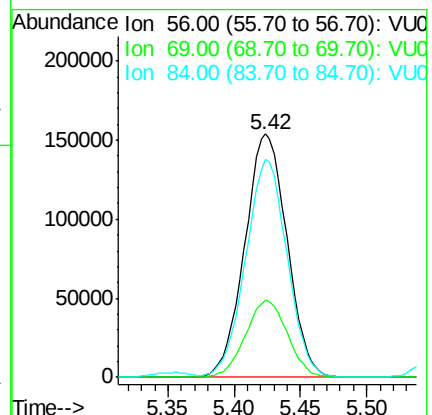
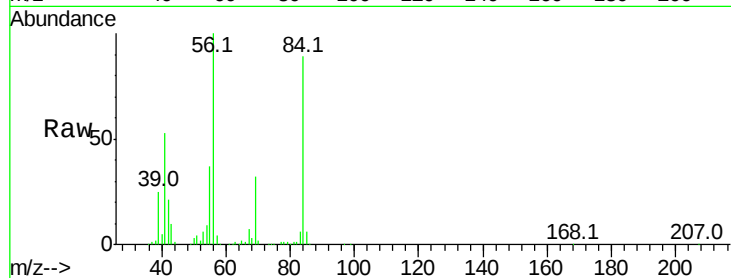
Tgt Ion: 56 Resp: 342306

Ion Ratio Lower Upper

56 100

69 31.4 24.7 37.1

84 88.1 68.2 102.4



#30

1,1,1-Trichloroethane

Concen: 54.010 ug/L

RT: 5.35 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VU038673.D

Acq: 08 Jun 2020 16:39

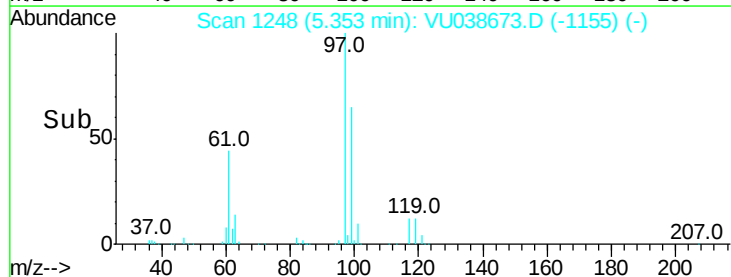
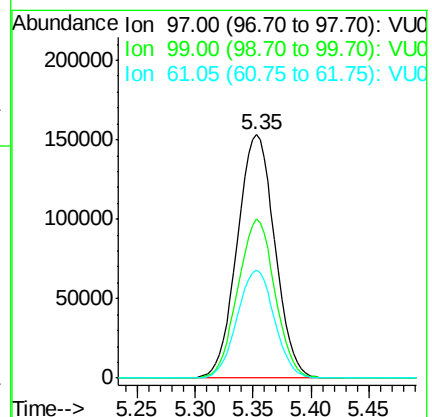
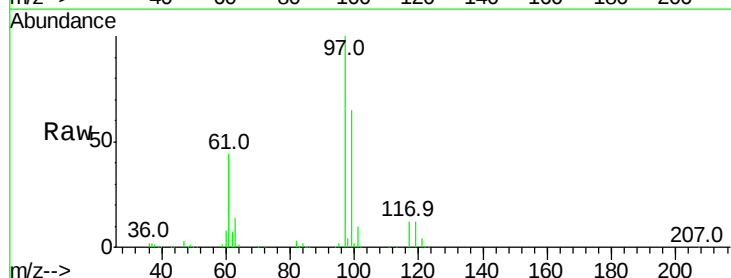
Tgt Ion: 97 Resp: 345549

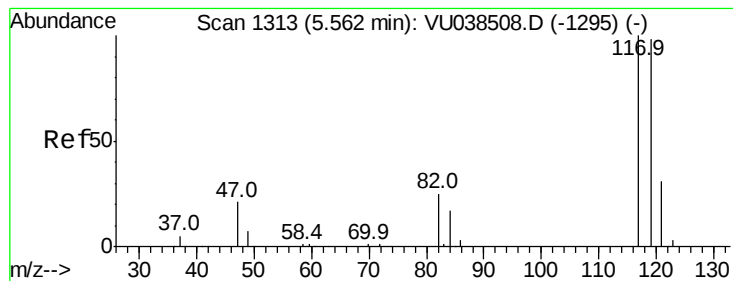
Ion Ratio Lower Upper

97 100

99 64.5 51.2 76.8

61 44.0 35.9 53.9





#31

Carbon tetrachloride

Concen: 53.049 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU038673.D

Acq: 08 Jun 2020 16:39

Instrument :

MSVOA_U

ClientSampleId :

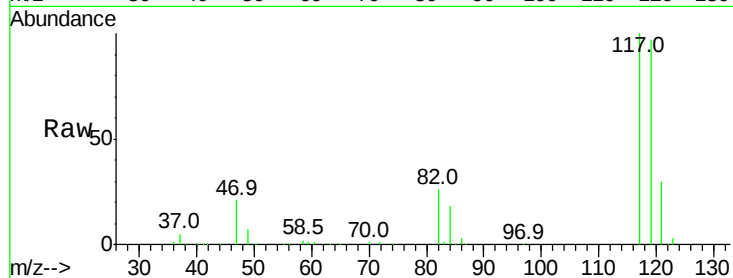
VSTD05032

Tgt Ion:117 Resp: 282868

Ion Ratio Lower Upper

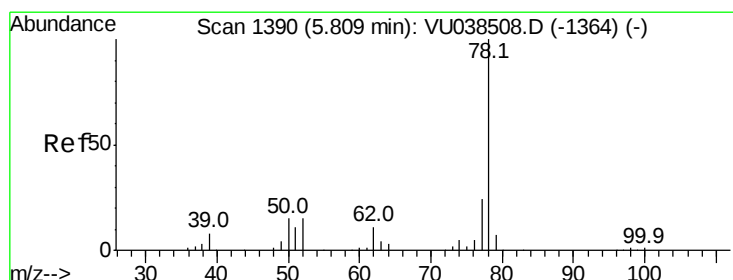
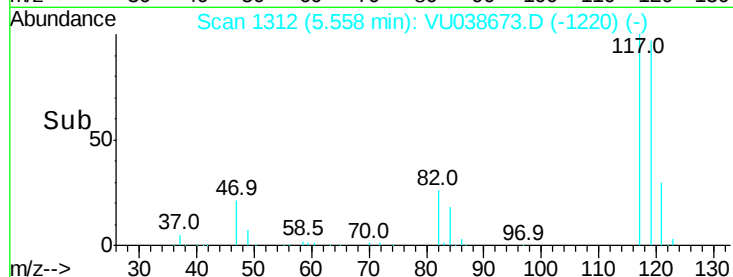
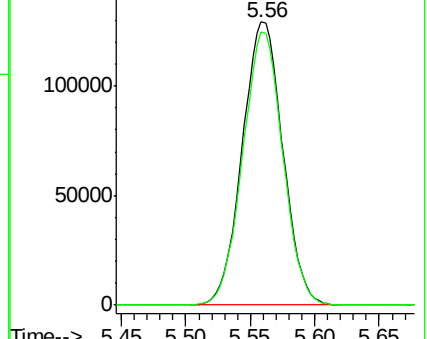
117 100

119 95.7 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: 53.177 ug/L

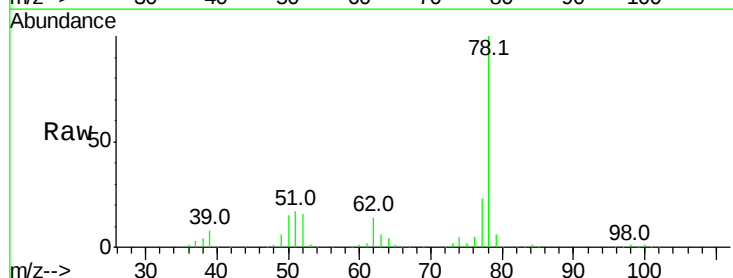
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

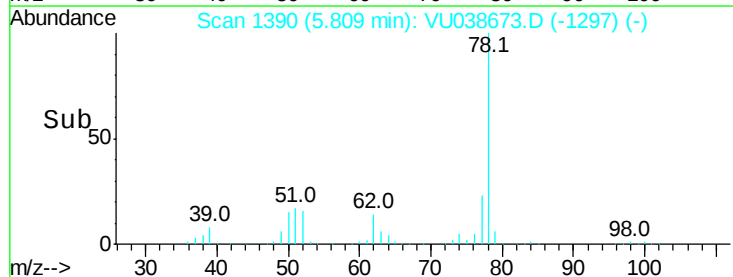
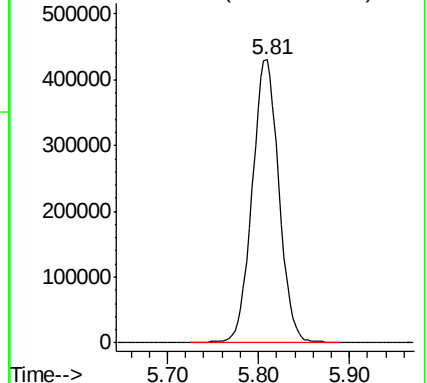
Lab File: VU038673.D

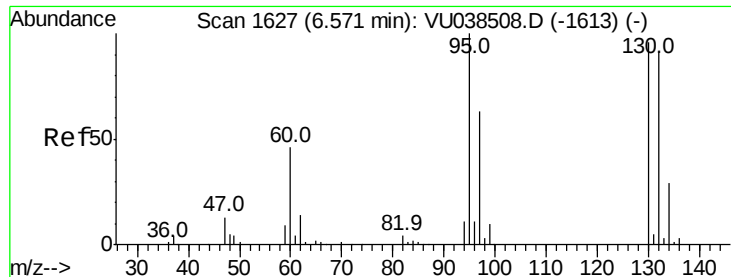
Acq: 08 Jun 2020 16:39

Tgt Ion: 78 Resp: 878737



Abundance Ion 78.00 (77.70 to 78.70): VU0

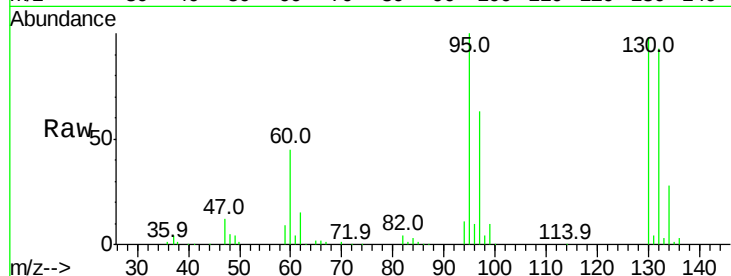




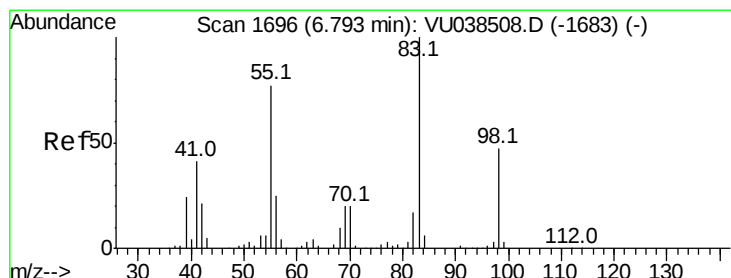
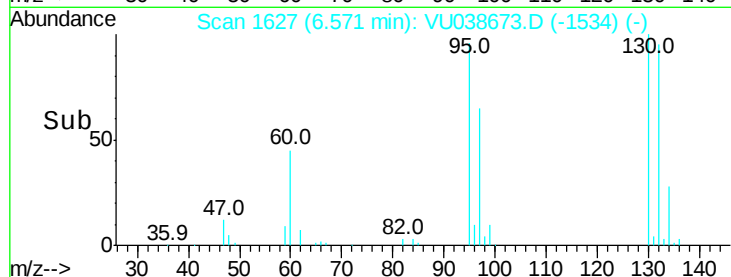
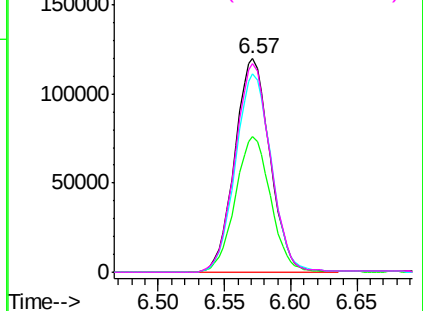
#34
 Trichloroethene
 Concen: 52.507 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU038673.D
 Acq: 08 Jun 2020 16:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

Tgt Ion:	95	Resp:	221994
Ion	Ratio	Lower	Upper
95	100		
97	63.4	44.3	82.3
132	92.7	64.7	120.1
130	98.0	68.5	127.1

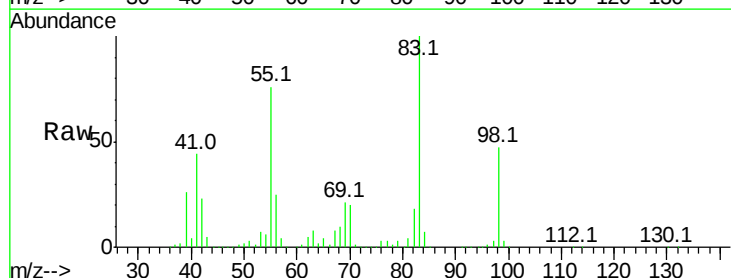


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

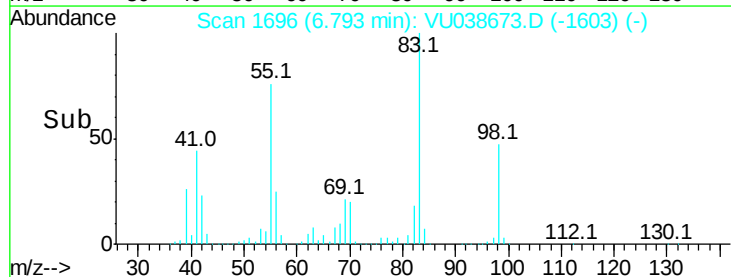
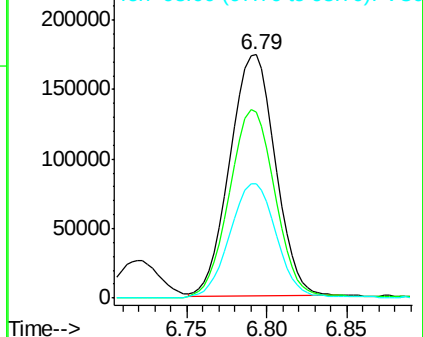


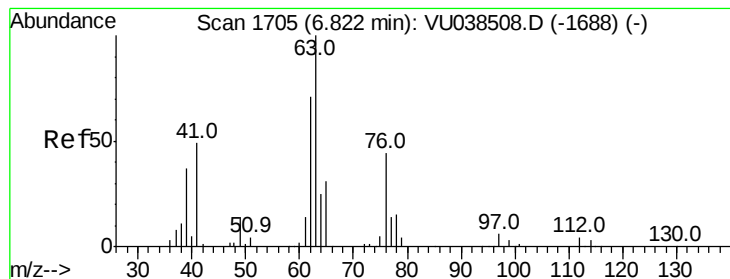
#35
 Methylcyclohexane
 Concen: 51.008 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. -0.00 min
 Lab File: VU038673.D
 Acq: 08 Jun 2020 16:39

Tgt Ion:	83	Resp:	338592
Ion	Ratio	Lower	Upper
83	100		
55	79.0	63.0	94.4
98	48.0	38.6	57.8



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: 53.038 ug/L

RT: 6.82 min Scan# 1704

Delta R.T. -0.00 min

Lab File: VU038673.D

Acq: 08 Jun 2020 16:39

Instrument :

MSVOA_U

ClientSampleId :

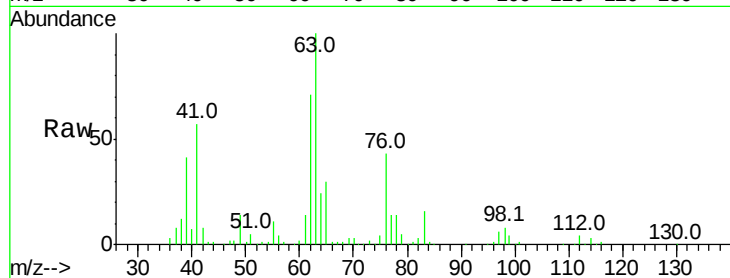
VSTD05032

Tgt Ion: 63 Resp: 227300

Ion Ratio Lower Upper

63 100

112 4.3 3.6 5.4



Abundance Ion 63.00 (62.70 to 63.70): VU038508.D (-1688) (-)

Ion 112.00 (111.70 to 112.70): VU038508.D (-1688) (-)

6.82

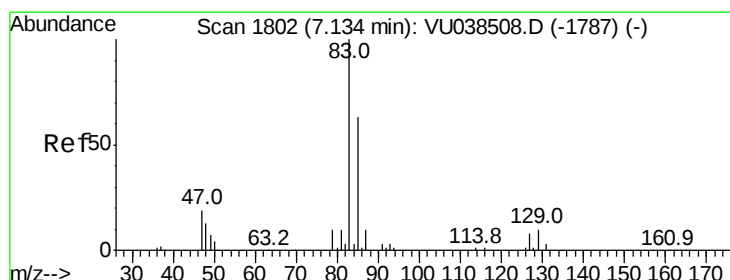
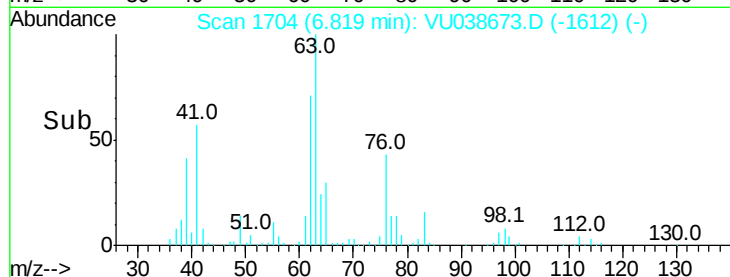
100000

50000

0

6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 53.617 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU038673.D

Acq: 08 Jun 2020 16:39

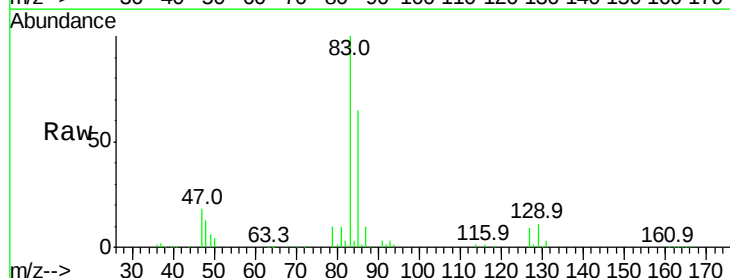
Tgt Ion: 83 Resp: 294466

Ion Ratio Lower Upper

83 100

85 64.5 45.5 84.5

127 8.7 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VU038508.D (-1787) (-)

Ion 85.00 (84.70 to 85.70): VU038508.D (-1787) (-)

Ion 127.00 (126.70 to 127.70): VU038508.D (-1787) (-)

7.13

200000

150000

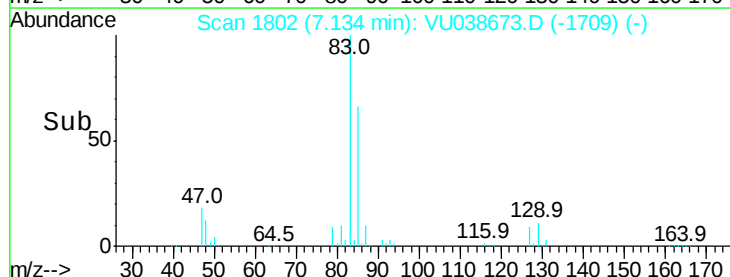
100000

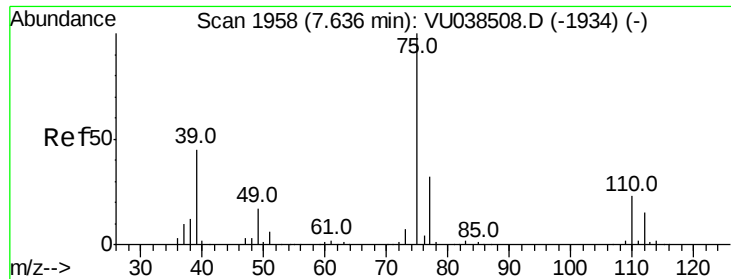
50000

0

7.05 7.10 7.15 7.20

Time-->



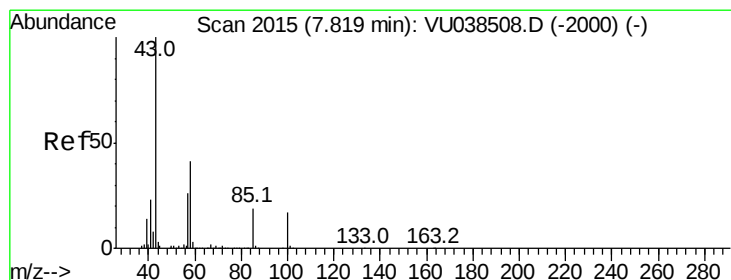
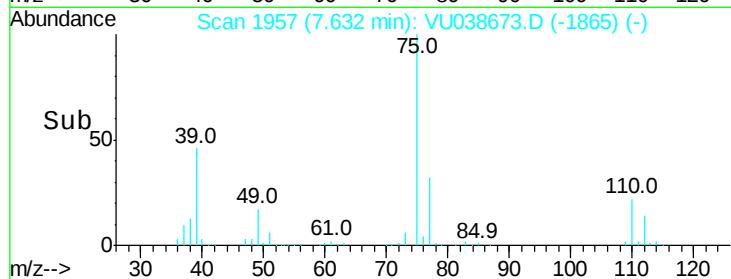
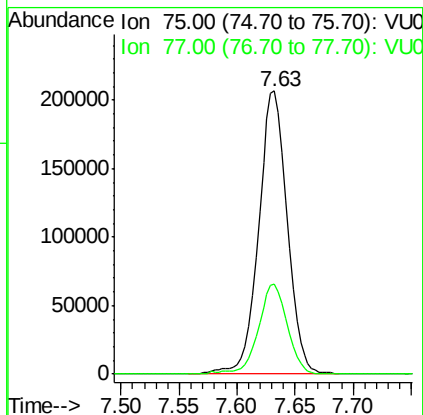
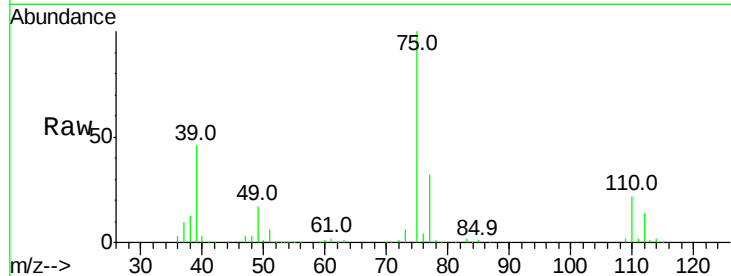


#39

cis-1,3-Dichloropropene
 Concen: 52.251 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU038673.D
 Acq: 08 Jun 2020 16:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

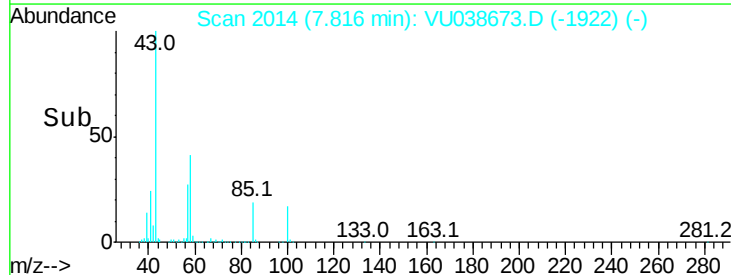
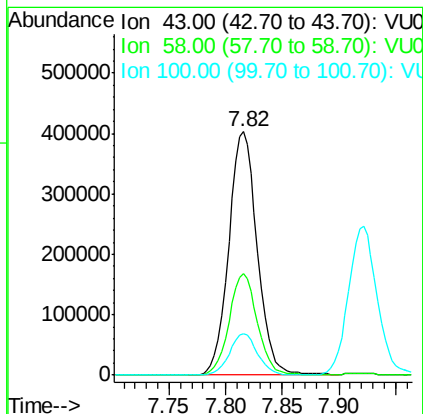
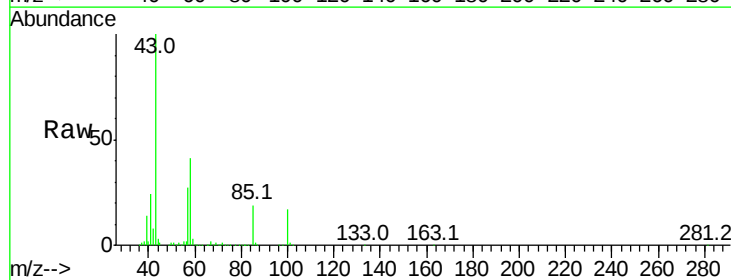
Tgt Ion: 75 Resp: 356329
 Ion Ratio Lower Upper
 75 100
 77 31.7 21.6 40.0

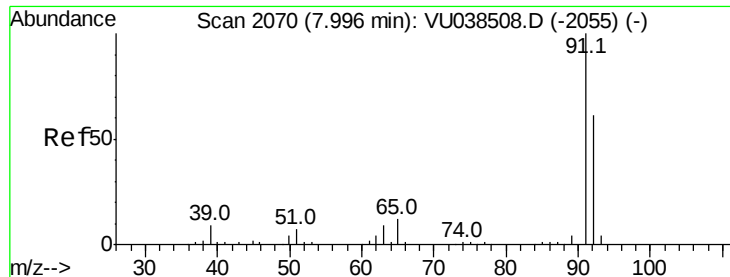


#40

4-Methyl-2-pentanone
 Concen: 103.485 ug/L
 RT: 7.82 min Scan# 2014
 Delta R.T. -0.00 min
 Lab File: VU038673.D
 Acq: 08 Jun 2020 16:39

Tgt Ion: 43 Resp: 705316
 Ion Ratio Lower Upper
 43 100
 58 41.2 32.6 48.8
 100 16.7 12.9 19.3





#42

Toluene

Concen: 53.167 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038673.D

Acq: 08 Jun 2020 16:39

Instrument :

MSVOA_U

ClientSampleId :

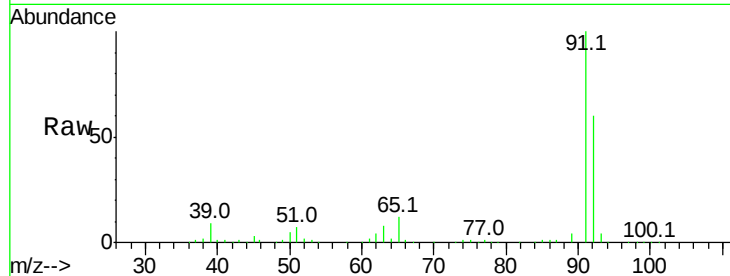
VSTD05032

Tgt Ion: 91 Resp: 922375

Ion Ratio Lower Upper

91 100

92 60.3 42.0 78.0



Abundance Ion 91.00 (90.70 to 91.70): VU038508.D (-2055) (-)

Ion 92.00 (91.70 to 92.70): VU038508.D (-2055) (-)

7.99

600000

500000

400000

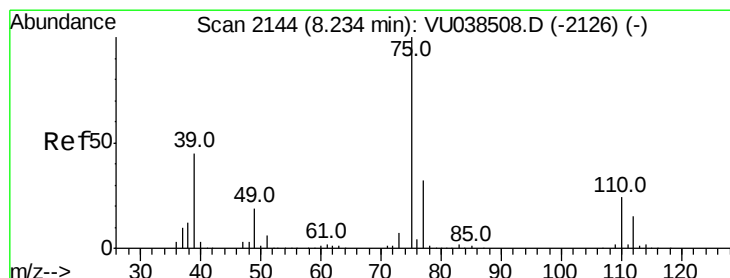
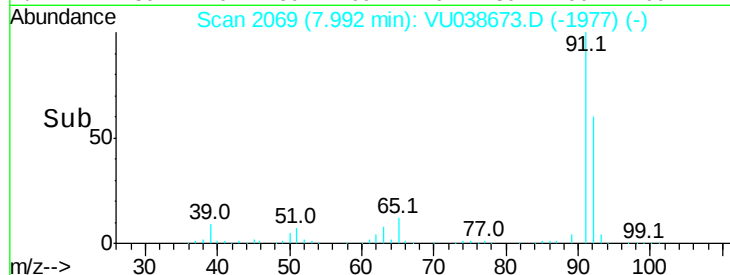
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 53.565 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VU038673.D

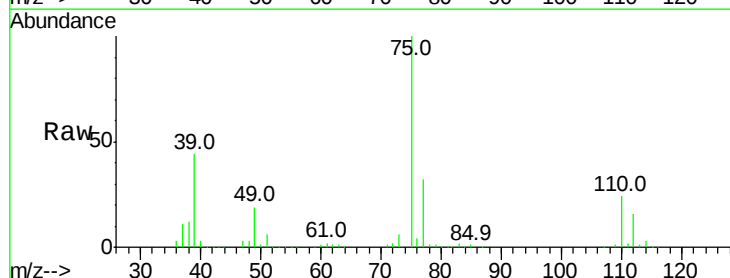
Acq: 08 Jun 2020 16:39

Tgt Ion: 75 Resp: 341938

Ion Ratio Lower Upper

75 100

77 32.1 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU038508.D (-2126) (-)

Ion 77.00 (76.70 to 77.70): VU038508.D (-2126) (-)

8.23

200000

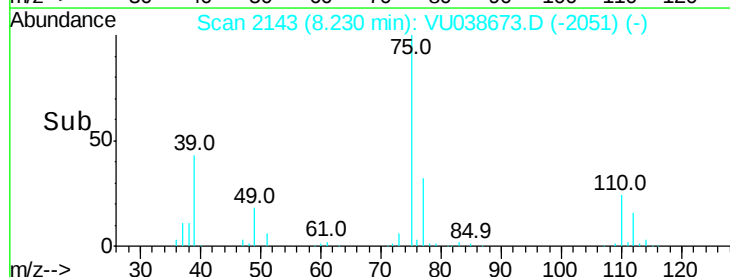
150000

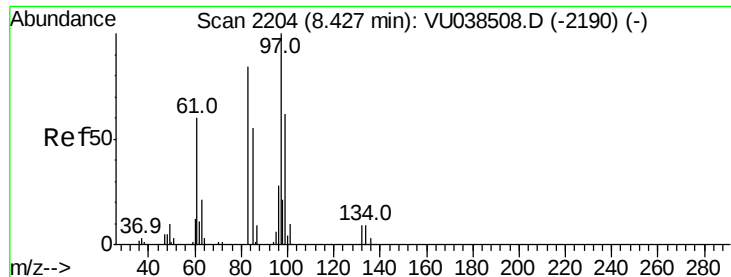
100000

50000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 54.240 ug/L

RT: 8.42 min Scan# 2202

Delta R.T. -0.01 min

Lab File: VU038673.D

Acq: 08 Jun 2020 16:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

Tgt Ion: 97 Resp: 220589

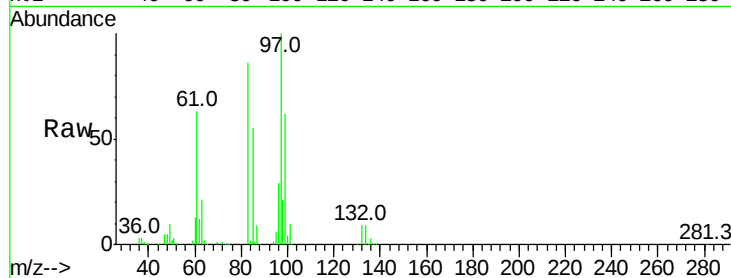
Ion Ratio Lower Upper

97 100

99 62.3 44.0 81.8

83 85.7 60.8 113.0

85 54.8 38.1 70.9

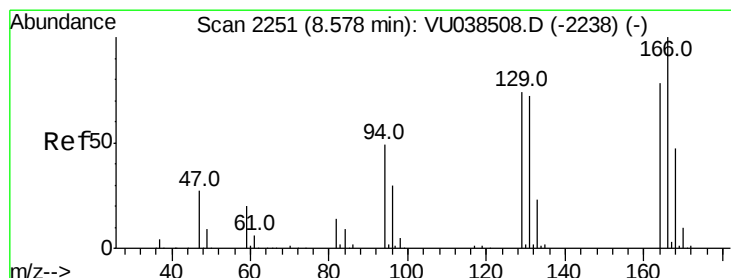
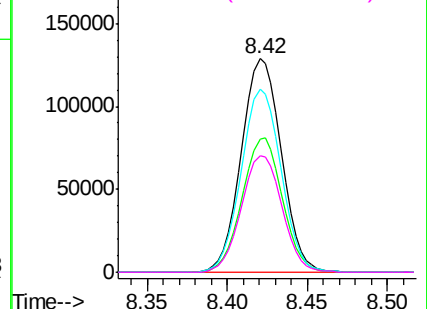
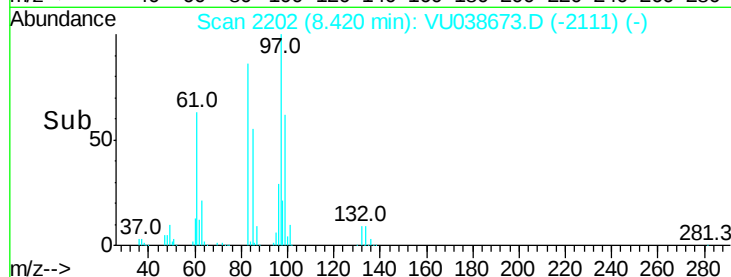


Abundance Ion 97.00 (96.70 to 97.70): VU038508.D (-2190) (-)

Ion 99.00 (98.70 to 99.70): VU038508.D (-2190) (-)

Ion 83.00 (82.70 to 83.70): VU038508.D (-2190) (-)

Ion 85.00 (84.70 to 85.70): VU038508.D (-2190) (-)



#46

Tetrachloroethene

Concen: 52.155 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU038673.D

Acq: 08 Jun 2020 16:39

Tgt Ion: 164 Resp: 161206

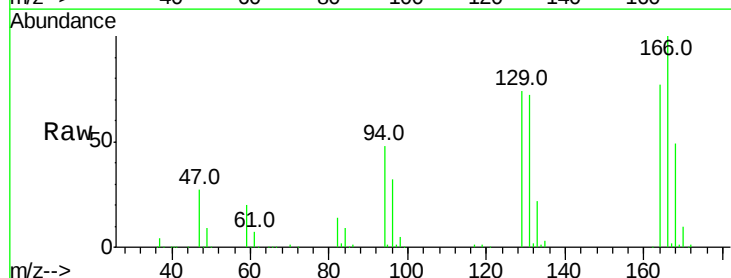
Ion Ratio Lower Upper

164 100

129 96.0 67.2 124.8

131 93.5 63.4 117.8

166 129.2 88.5 164.4

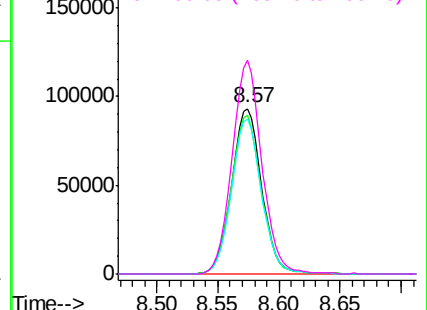
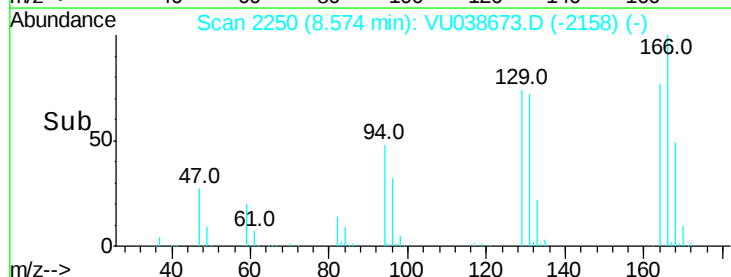


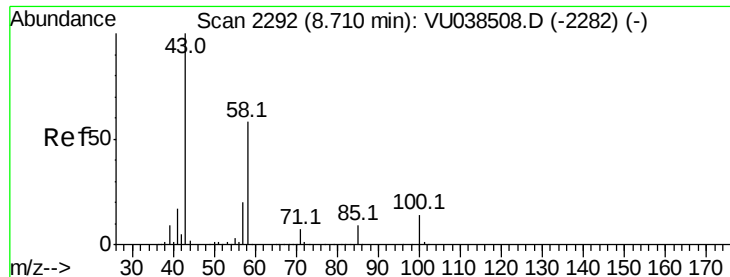
Abundance Ion 164.00 (163.70 to 164.70): VU038508.D (-2238) (-)

Ion 129.00 (128.70 to 129.70): VU038508.D (-2238) (-)

Ion 131.00 (130.70 to 131.70): VU038508.D (-2238) (-)

Ion 166.00 (165.70 to 166.70): VU038508.D (-2238) (-)

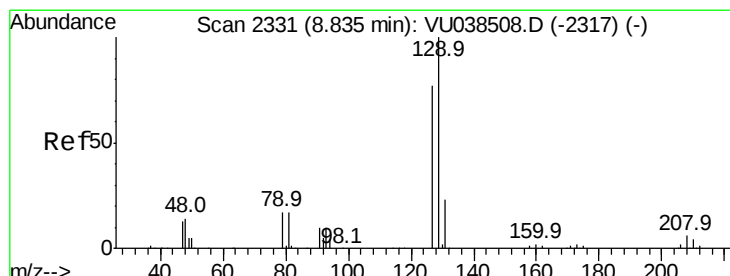
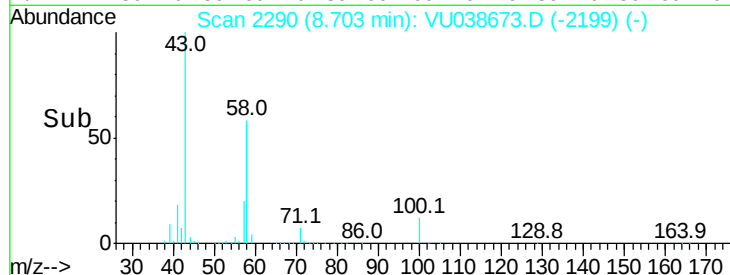
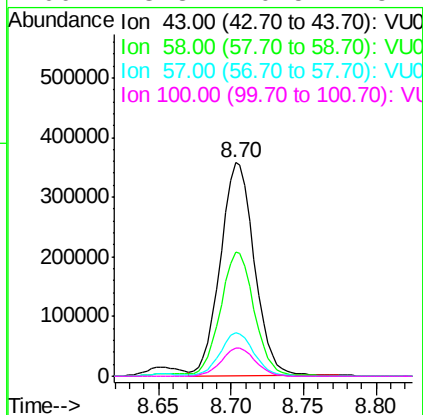
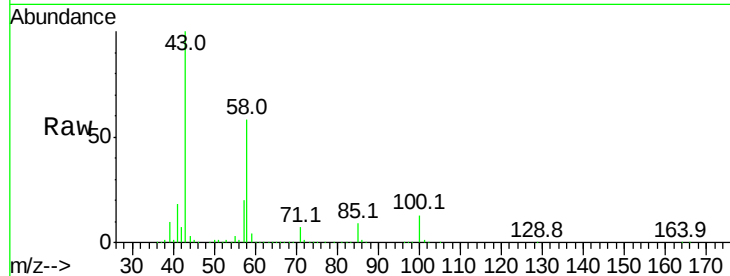




#48
2-Hexanone
Concen: 100.820 ug/L
RT: 8.70 min Scan# 2290
Delta R.T. -0.01 min
Lab File: VU038673.D
Acq: 08 Jun 2020 16:39

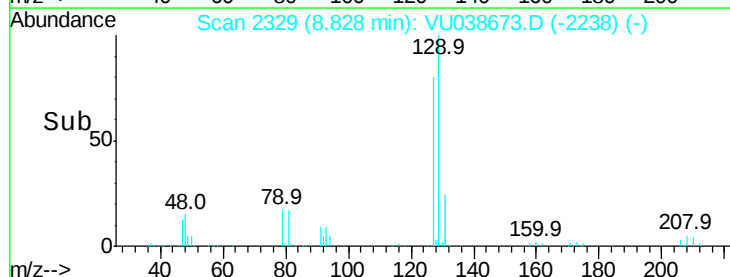
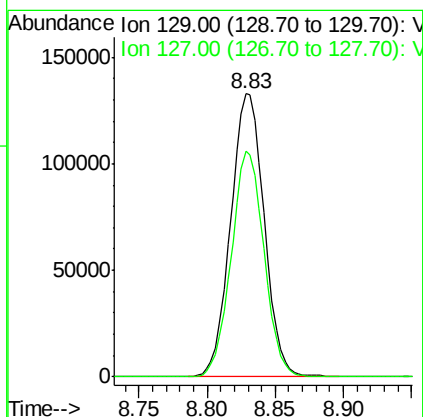
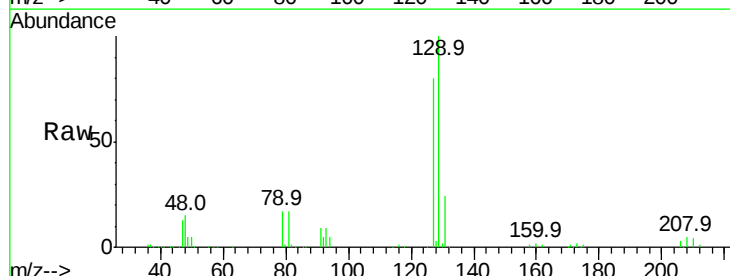
Instrument :
MSVOA_U
ClientSampleId :
VSTD05032

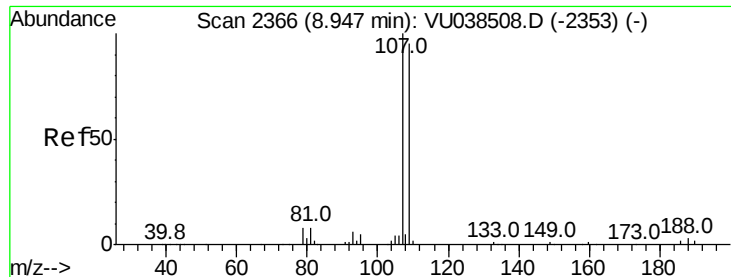
Tgt Ion: 43 Resp: 580176
Ion Ratio Lower Upper
43 100
58 57.8 45.5 68.3
57 20.7 16.3 24.5
100 13.3 10.5 15.7



#49
Dibromochloromethane
Concen: 55.103 ug/L
RT: 8.83 min Scan# 2329
Delta R.T. -0.01 min
Lab File: VU038673.D
Acq: 08 Jun 2020 16:39

Tgt Ion: 129 Resp: 226900
Ion Ratio Lower Upper
129 100
127 79.7 55.2 102.6

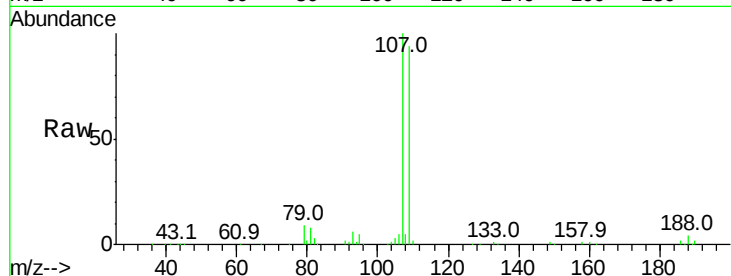




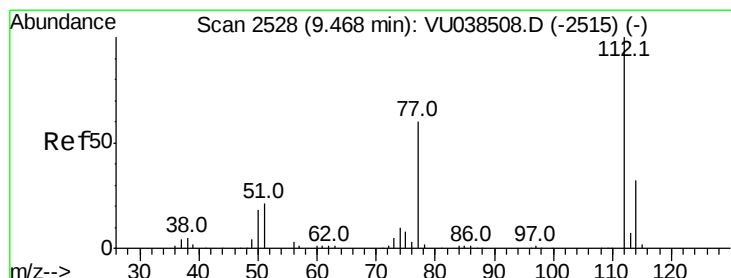
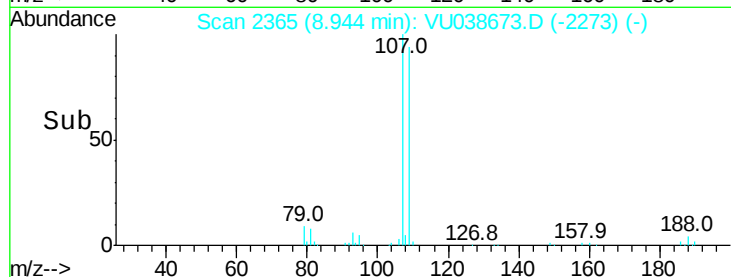
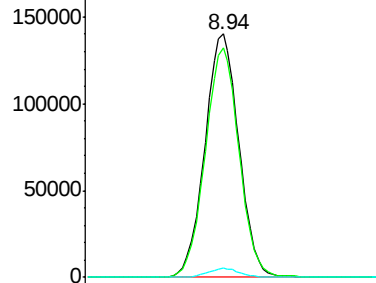
#50
1,2-Dibromoethane
Concen: 54.033 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. -0.00 min
Lab File: VU038673.D
Acq: 08 Jun 2020 16:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD05032

Tgt Ion:107 Resp: 236198
Ion Ratio Lower Upper
107 100
109 94.2 64.3 119.5
188 3.6 2.8 4.2

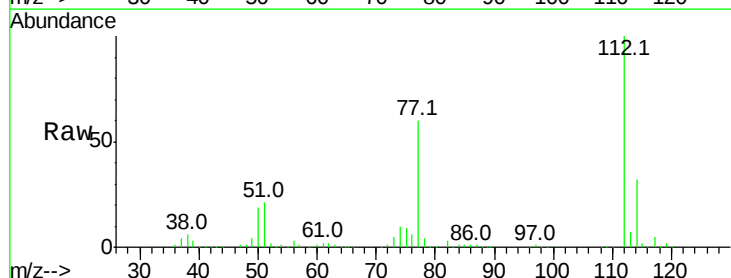


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

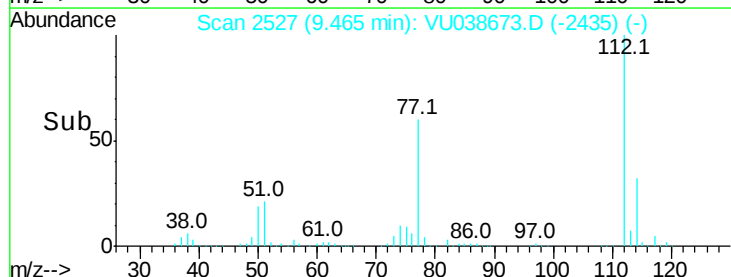
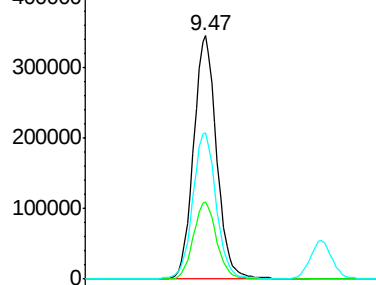


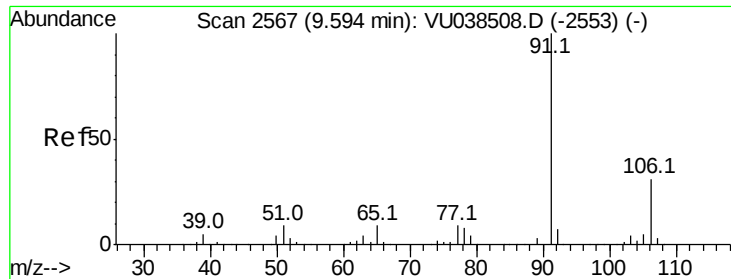
#51
Chlorobenzene
Concen: 52.410 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU038673.D
Acq: 08 Jun 2020 16:39

Tgt Ion:112 Resp: 584350
Ion Ratio Lower Upper
112 100
114 31.7 22.6 42.0
77 59.9 48.8 73.2



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 52.844 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.01 min

Lab File: VU038673.D

Acq: 08 Jun 2020 16:39

Instrument :

MSVOA_U

ClientSampleId :

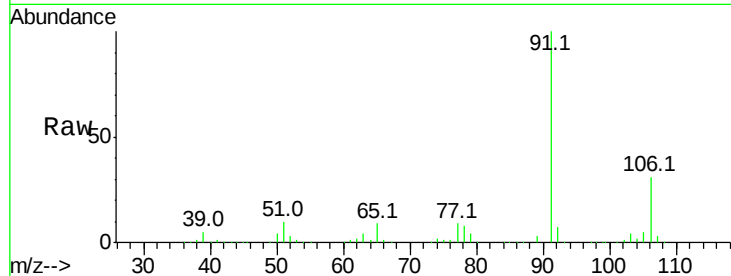
VSTD05032

Tgt Ion: 91 Resp: 1027197

Ion Ratio Lower Upper

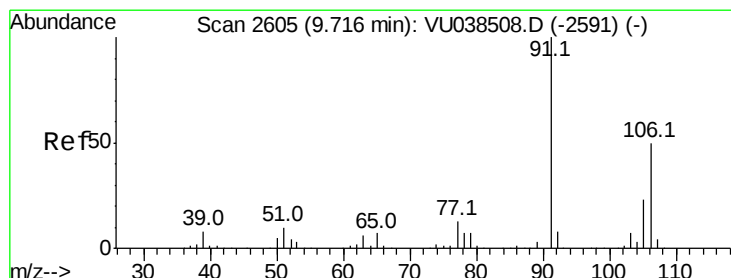
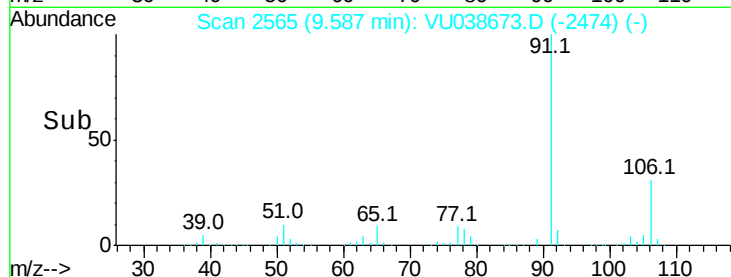
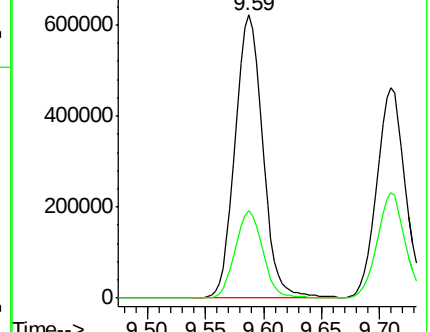
91 100

106 30.7 21.2 39.4



Abundance Ion 91.00 (90.70 to 91.70): VU038508.D (-2553) (-)

Ion 106.00 (105.70 to 106.70): VU038508.D (-2553) (-)



#53

m,p-Xylene

Concen: 53.056 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.01 min

Lab File: VU038673.D

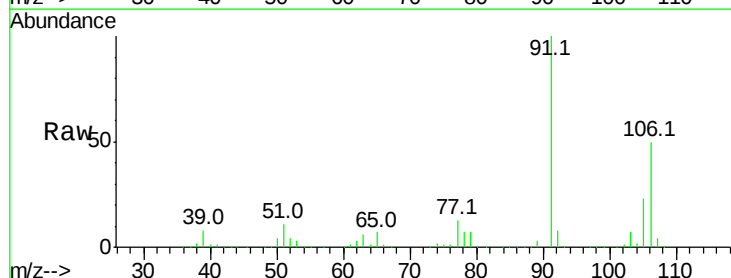
Acq: 08 Jun 2020 16:39

Tgt Ion: 106 Resp: 394404

Ion Ratio Lower Upper

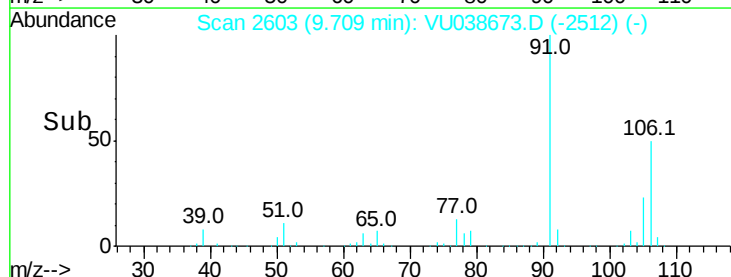
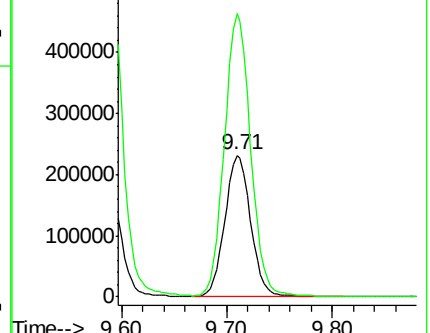
106 100

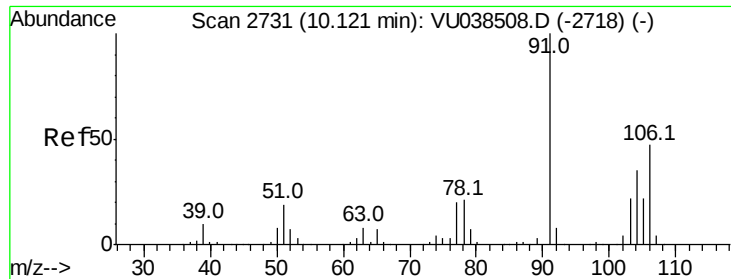
91 200.2 140.8 261.4



Abundance Ion 106.00 (105.70 to 106.70): VU038508.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VU038508.D (-2591) (-)

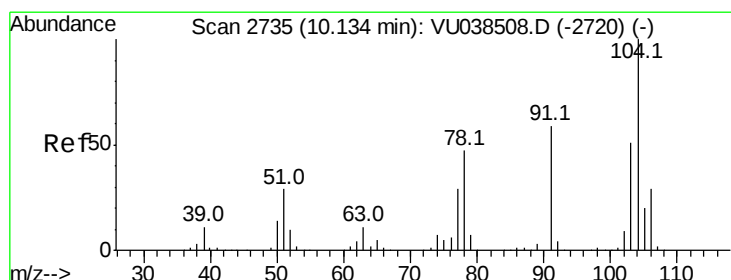
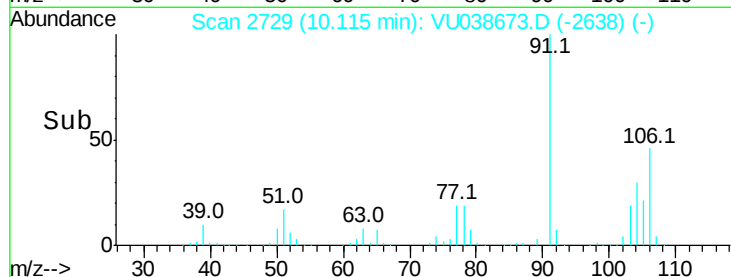
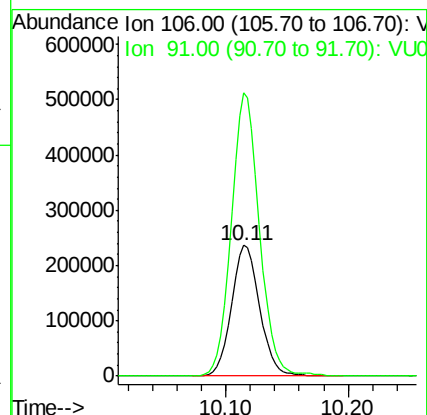
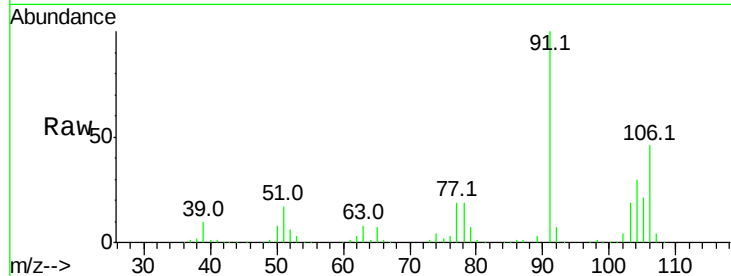




#54
o-xylene
Concen: 52.962 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.01 min
Lab File: VU038673.D
Acq: 08 Jun 2020 16:39

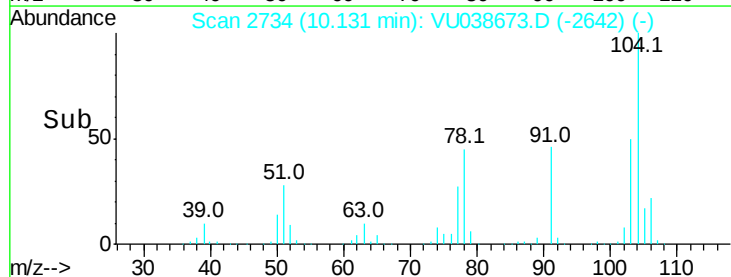
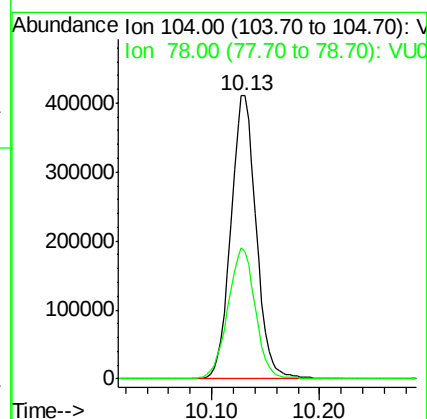
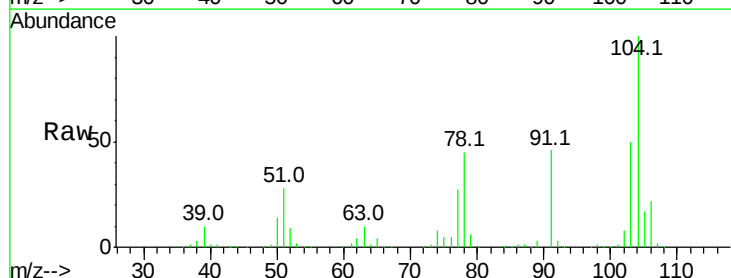
Instrument :
MSVOA_U
ClientSampleId :
VSTD05032

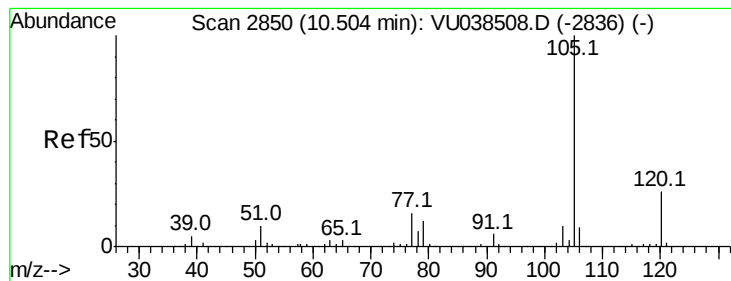
Tgt Ion:106 Resp: 382773
Ion Ratio Lower Upper
106 100
91 216.0 151.3 280.9



#55
Styrene
Concen: 54.187 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU038673.D
Acq: 08 Jun 2020 16:39

Tgt Ion:104 Resp: 673096
Ion Ratio Lower Upper
104 100
78 45.1 32.1 59.7





#56

Isopropylbenzene

Concen: 53.015 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. -0.01 min

Lab File: VU038673.D

Acq: 08 Jun 2020 16:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

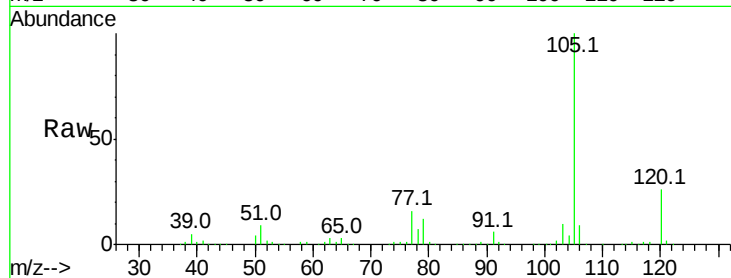
Tgt Ion:105 Resp: 1001280

Ion Ratio Lower Upper

105 100

120 26.1 20.6 31.0

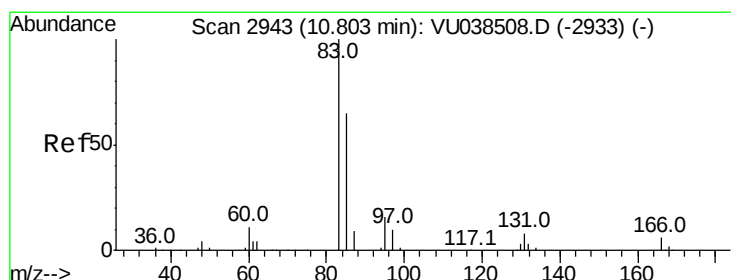
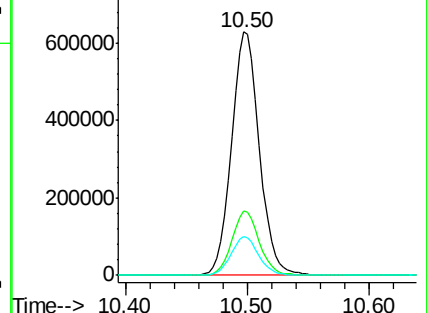
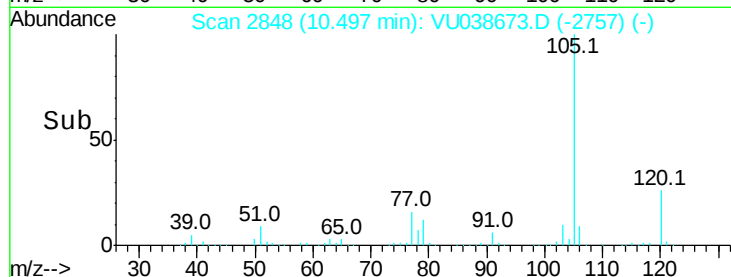
77 15.8 12.8 19.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 51.907 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.01 min

Lab File: VU038673.D

Acq: 08 Jun 2020 16:39

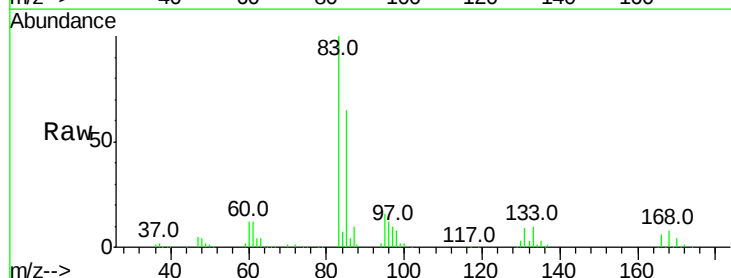
Tgt Ion: 83 Resp: 361257

Ion Ratio Lower Upper

83 100

85 64.7 45.5 84.5

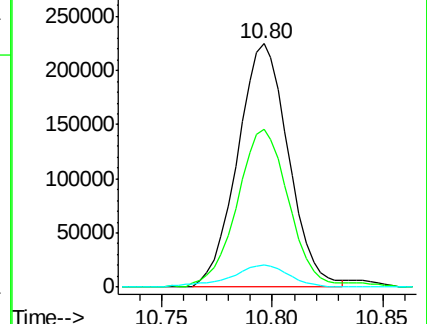
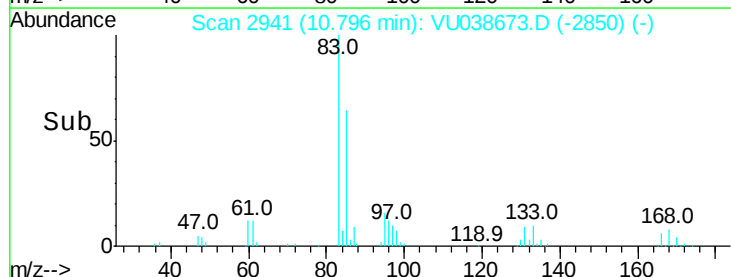
131 9.0 7.3 10.9

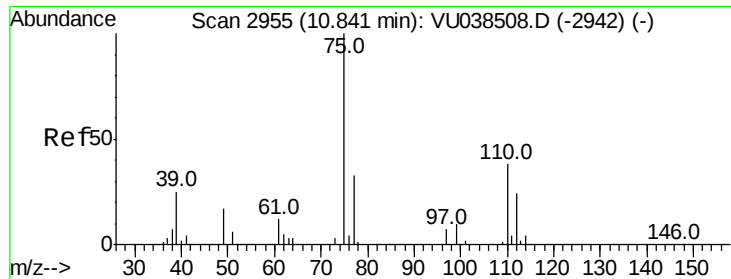


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

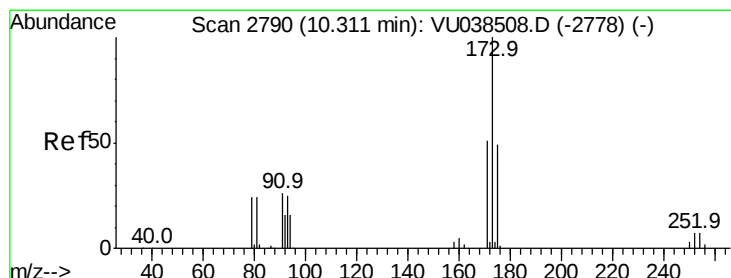
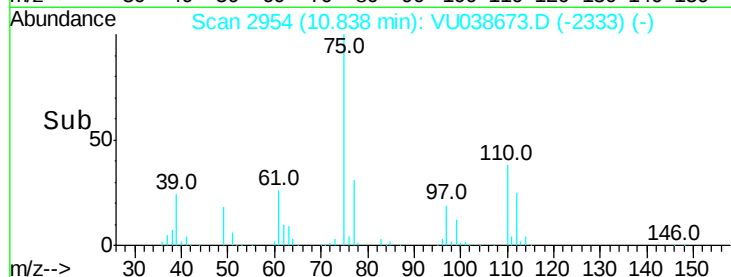
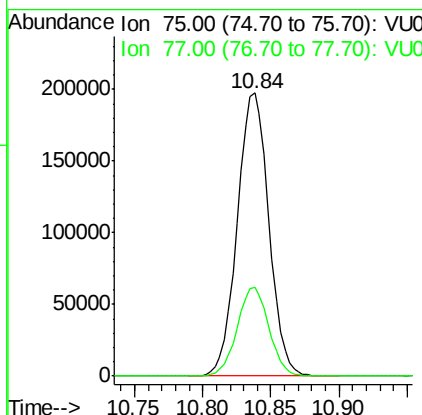
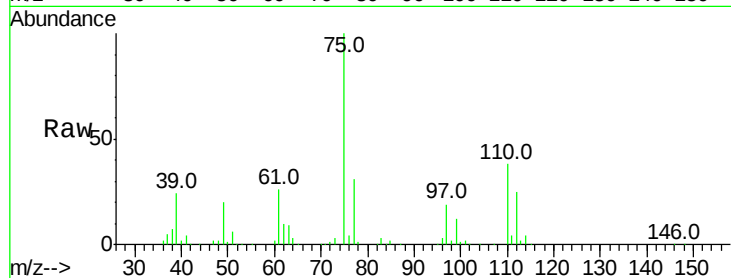




#59
 1,2,3-Trichloropropane
 Concen: 52.867 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. -0.00 min
 Lab File: VU038673.D
 Acq: 08 Jun 2020 16:39

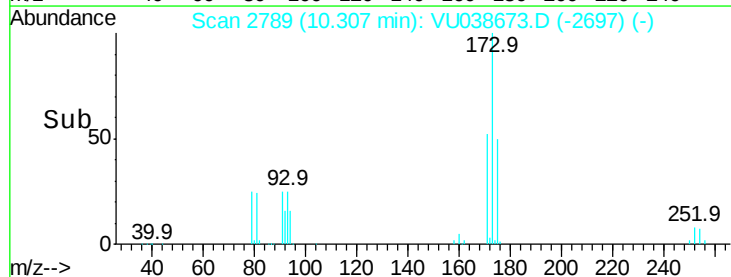
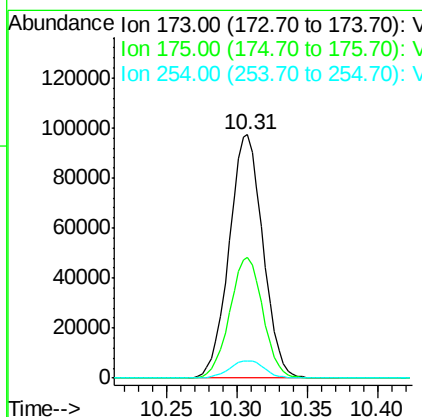
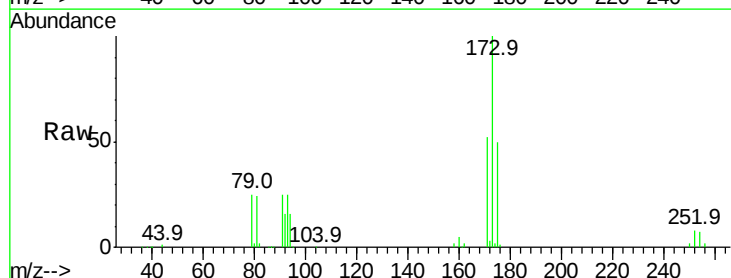
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

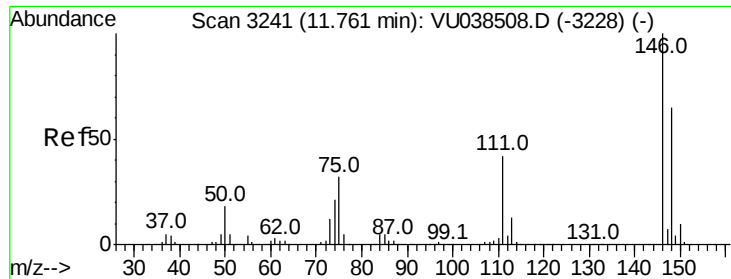
Tgt Ion: 75 Resp: 316829
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.8 38.8



#61
 Bromoform
 Concen: 54.122 ug/L
 RT: 10.31 min Scan# 2789
 Delta R.T. -0.00 min
 Lab File: VU038673.D
 Acq: 08 Jun 2020 16:39

Tgt Ion: 173 Resp: 163279
 Ion Ratio Lower Upper
 173 100
 175 48.7 39.0 58.4
 254 7.3 5.3 7.9

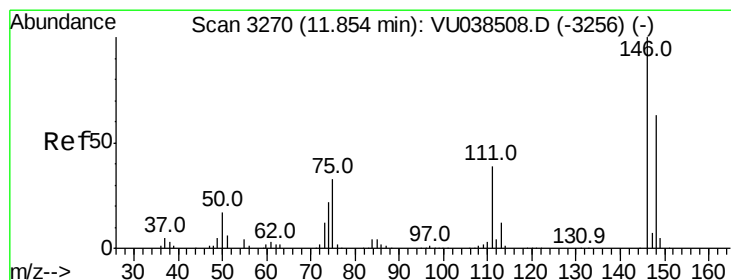
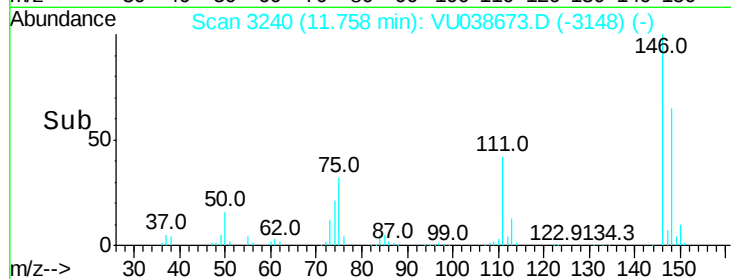
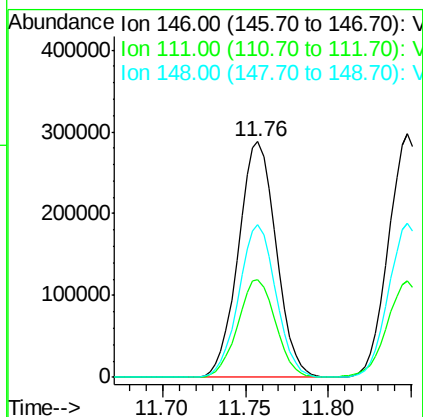
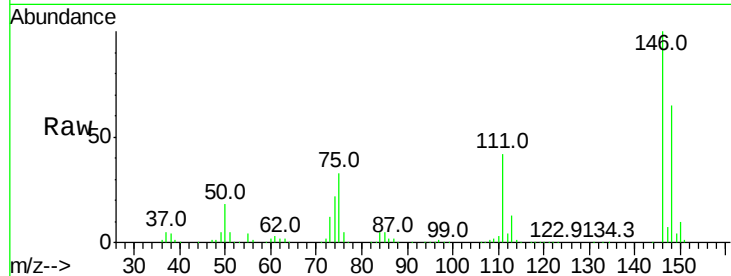




#62
 1,3-Dichlorobenzene
 Concen: 52.065 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU038673.D
 Acq: 08 Jun 2020 16:39

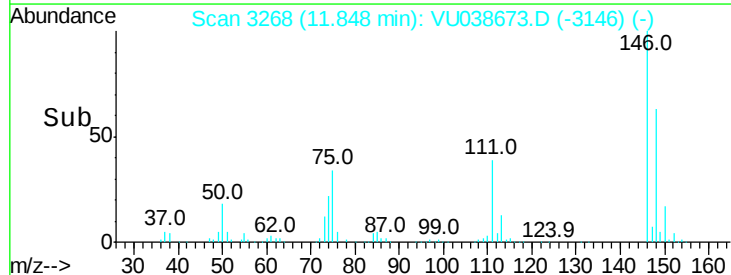
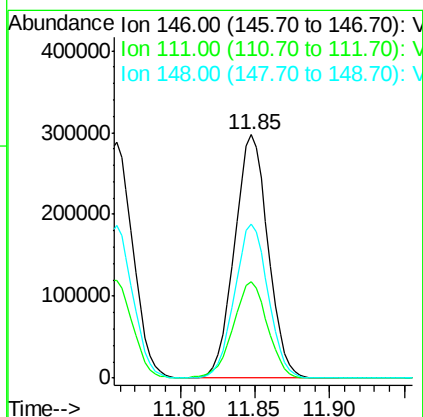
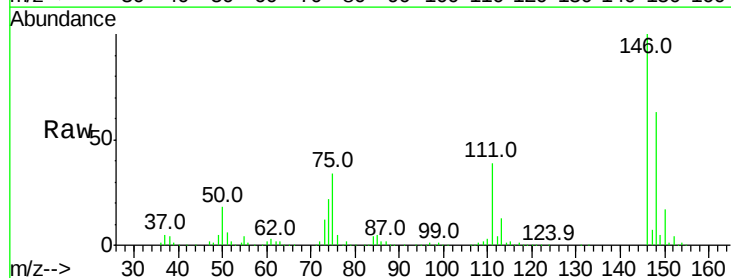
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

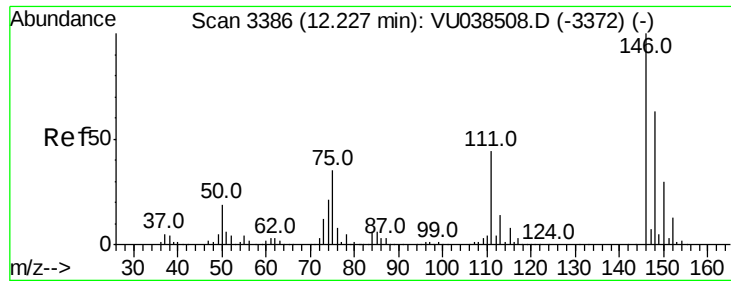
Tgt Ion:146 Resp: 457074
 Ion Ratio Lower Upper
 146 100
 111 41.7 29.4 54.6
 148 64.6 45.8 85.0



#63
 1,4-Dichlorobenzene
 Concen: 51.998 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.01 min
 Lab File: VU038673.D
 Acq: 08 Jun 2020 16:39

Tgt Ion:146 Resp: 463990
 Ion Ratio Lower Upper
 146 100
 111 39.5 27.7 51.5
 148 63.3 44.7 83.1





#65

1,2-Dichlorobenzene

Concen: 52.397 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU038673.D

Acq: 08 Jun 2020 16:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

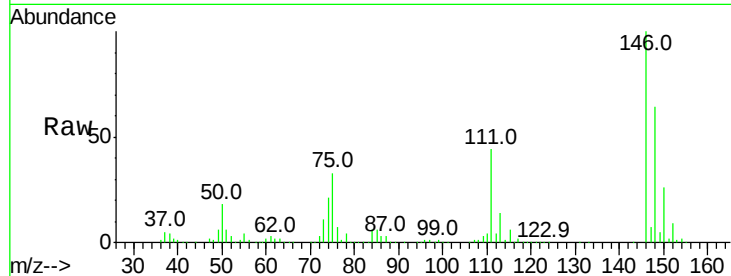
Tgt Ion:146 Resp: 456151

Ion Ratio Lower Upper

146 100

111 43.5 35.3 52.9

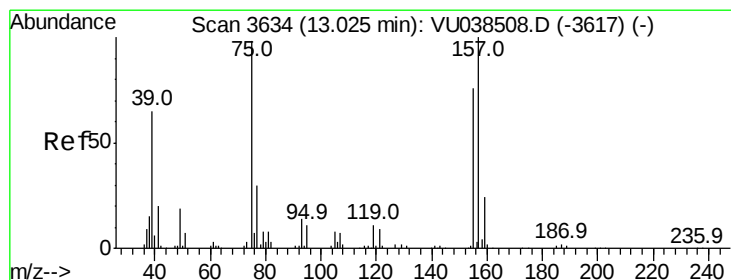
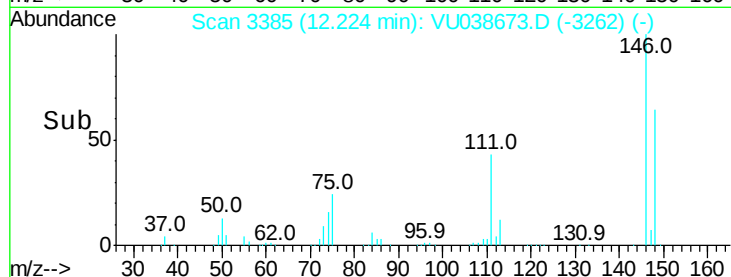
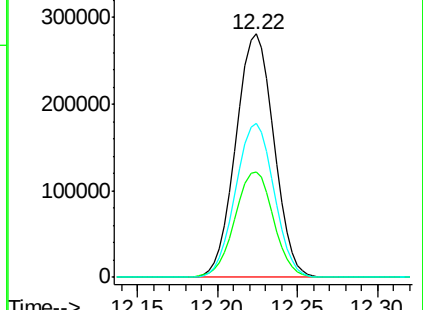
148 63.5 52.5 78.7



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: 53.300 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. -0.01 min

Lab File: VU038673.D

Acq: 08 Jun 2020 16:39

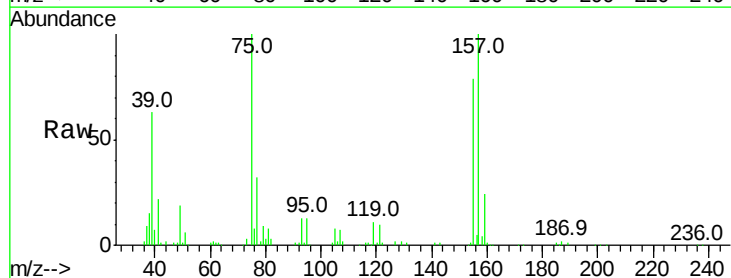
Tgt Ion: 75 Resp: 94993

Ion Ratio Lower Upper

75 100

155 79.7 63.1 94.7

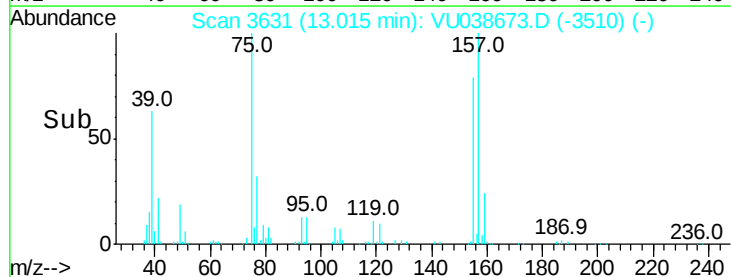
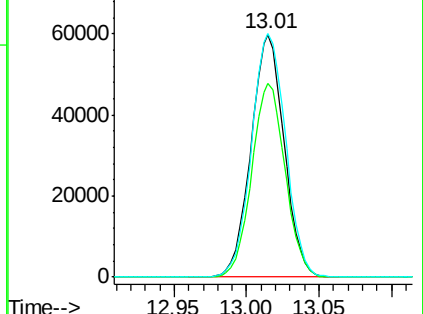
157 100.2 82.7 124.1

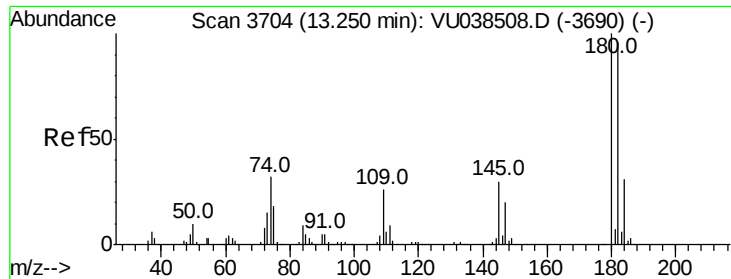


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

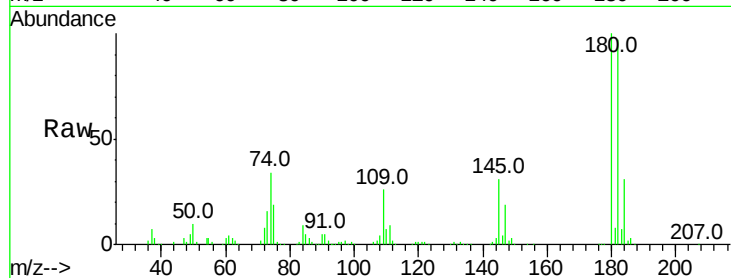




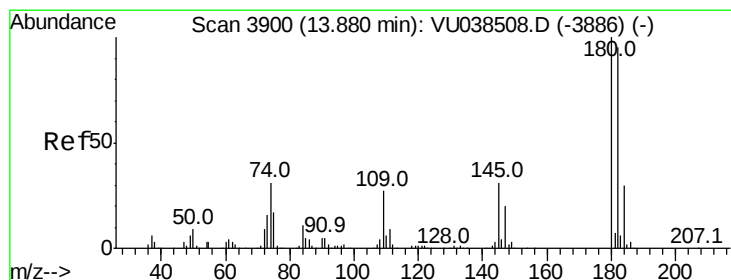
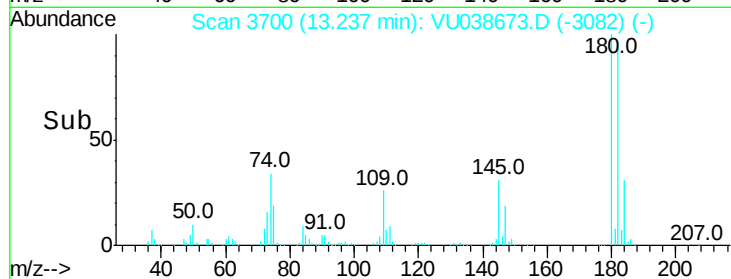
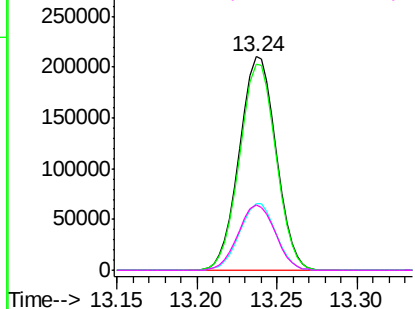
#67
 1,3,5-Trichlorobenzene
 Concen: 52.630 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.01 min
 Lab File: VU038673.D
 Acq: 08 Jun 2020 16:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

Tgt Ion:180 Resp: 328818
 Ion Ratio Lower Upper
 180 100
 182 95.7 77.4 116.2
 184 30.9 24.3 36.5
 145 30.9 24.5 36.7

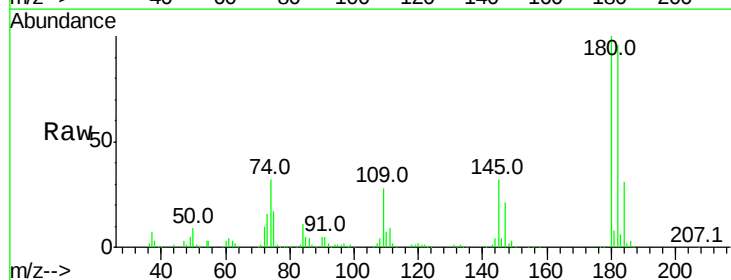


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

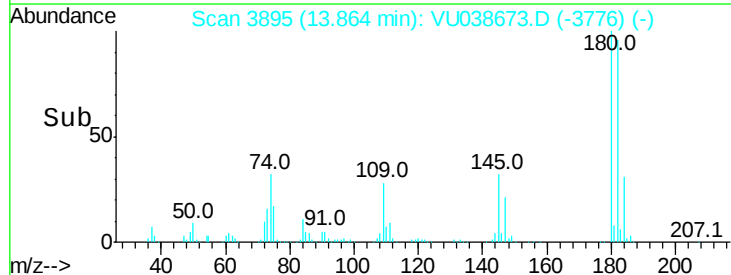
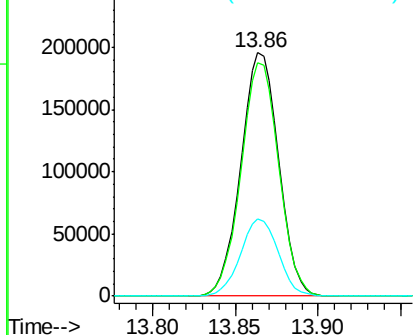


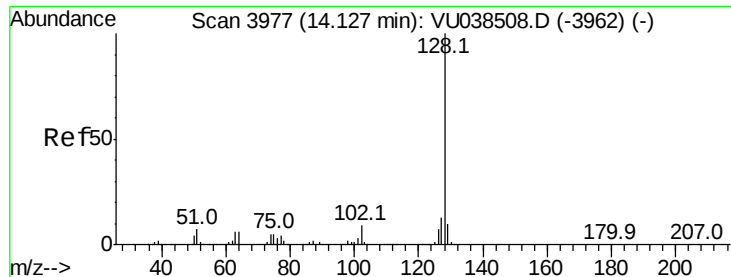
#68
 1,2,4-trichlorobenzene
 Concen: 51.773 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.02 min
 Lab File: VU038673.D
 Acq: 08 Jun 2020 16:39

Tgt Ion:180 Resp: 310237
 Ion Ratio Lower Upper
 180 100
 182 96.0 77.1 115.7
 145 31.8 25.8 38.8



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: 54.217 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.02 min

Lab File: VU038673.D

Acq: 08 Jun 2020 16:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

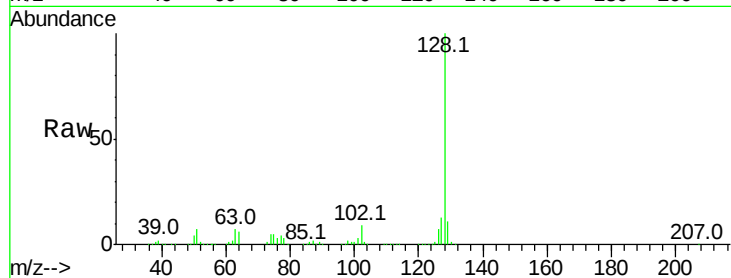
Tgt Ion:128 Resp: 1163233

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

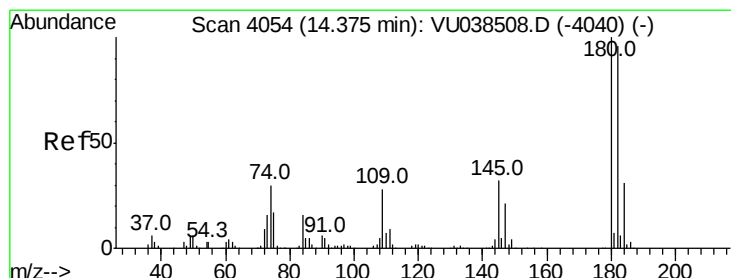
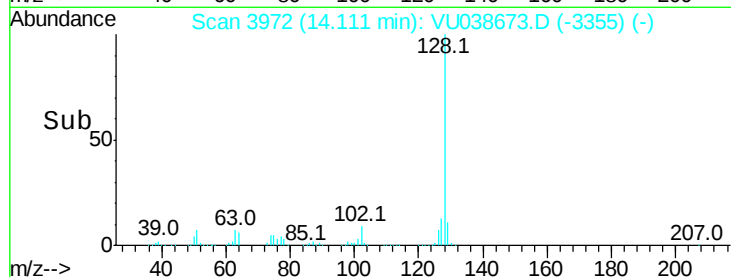
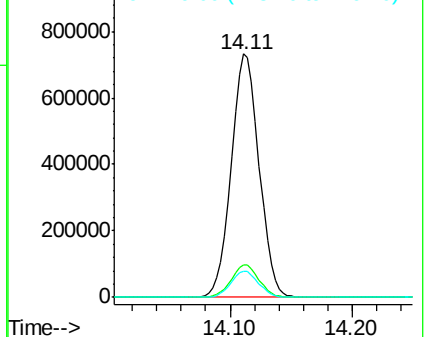
129 10.7 8.6 12.8



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: 53.801 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.02 min

Lab File: VU038673.D

Acq: 08 Jun 2020 16:39

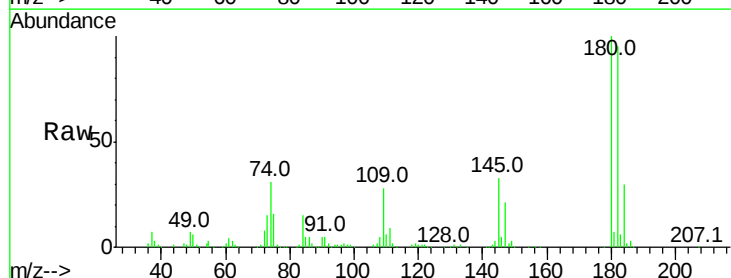
Tgt Ion:180 Resp: 322056

Ion Ratio Lower Upper

180 100

182 94.9 75.5 113.3

145 33.0 26.6 40.0



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

