

Data File : VU038886.D
Acq On : 15 Jun 2020 12:12
Operator : SY/MD
Sample : VSTD0.5
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.503

Quant Time: Jun 15 13:41:12 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061520WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 15 13:39:45 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	330387	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	330431	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	164832	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	9374	0.52	ug/L	0.00
7) Chloroethane-d5	1.93	69	10055	0.70	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.60	63	22476	0.55	ug/L	0.00
20) 2-Butanone-d5	4.69	46	32728	5.79	ug/L	0.00
24) Chloroform-d	5.10	84	22234	0.56	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	13460	0.60	ug/L	0.00
32) Benzene-d6	5.76	84	39698	0.51	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	13646	0.59	ug/L	0.00
41) Toluene-d8	7.92	98	37432	0.53	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	5814	0.57	ug/L	0.00
46) 2-Hexanone-d5	8.66	63	24307	5.33	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	12802	0.63	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	17699	0.66	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	18070	0.561 ug/L	97
3) Chloromethane	1.53	50	14722	0.555 ug/L	94
5) Vinyl chloride	1.62	62	14877	0.527 ug/L	99
6) Bromomethane	1.87	94	10040	0.620 ug/L	96
8) Chloroethane	1.95	64	13041	0.749 ug/L	96
9) Trichlorofluoromethane	2.16	101	27479	0.656 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	13485	0.563 ug/L	94
12) 1,1-Dichloroethene	2.60	96	12475	0.539 ug/L	93
13) Acetone	2.68	43	27229	5.939 ug/L	75
14) Carbon disulfide	2.82	76	41679	0.529 ug/L	98
15) Methyl Acetate	2.99	43	6202	0.554 ug/L #	88
16) Methylene chloride	3.08	84	15784	0.593 ug/L	94
17) Methyl tert-butyl Ether	3.40	73	29064	0.488 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	13184	0.531 ug/L	97
19) 1,1-Dichloroethane	3.91	63	23789	0.532 ug/L	94
21) 2-Butanone	4.76	43	41368	5.493 ug/L	92
22) cis-1,2-Dichloroethene	4.71	96	13093	0.506 ug/L	96
23) Bromochloromethane	5.02	128	6330	0.522 ug/L	90
25) Chloroform	5.12	83	25421	0.551 ug/L	90
27) 1,2-Dichloroethane	5.83	62	17892	0.557 ug/L	95
29) 1,1,1-Trichloroethane	5.35	97	22042	0.541 ug/L	99
30) Cyclohexane	5.42	56	18157	0.459 ug/L	99
31) Carbon tetrachloride	5.56	117	18675	0.543 ug/L	99
33) Benzene	5.81	78	51364	0.514 ug/L	100
34) Trichloroethene	6.57	95	13507	0.518 ug/L	95
35) Methylcyclohexane	6.79	83	19138	0.472 ug/L	98
37) 1,2-Dichloropropane	6.82	63	13564	0.539 ug/L #	97
38) Bromodichloromethane	7.13	83	17258	0.529 ug/L	95
39) cis-1,3-Dichloropropene	7.63	75	17003	0.456 ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	80241	4.767 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	50811	0.482	ug/L	97
44) trans-1,3-Dichloropropene	8.23	75	16087	0.484	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	10078	0.525	ug/L	93
47) Tetrachloroethene	8.57	164	10590	0.528	ug/L	98
48) 2-Hexanone	8.71	43	63617	4.920	ug/L	98
49) Dibromochloromethane	8.83	129	10998	0.514	ug/L	95
50) 1,2-Dibromoethane	8.95	107	9530	0.509	ug/L	98
51) Chlorobenzene	9.47	112	36136	0.532	ug/L	97
52) Ethylbenzene	9.59	91	53342	0.459	ug/L	98
53) m,p-Xylene	9.71	106	20113	0.458	ug/L	86
54) o-Xylene	10.12	106	19539	0.464	ug/L	96
55) Styrene	10.13	104	30740	0.424	ug/L	95
56) Isopropylbenzene	10.50	105	49229	0.437	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.80	83	12335	0.517	ug/L	98
59) 1,2,3-Trichloropropane	10.84	75	10122	0.542	ug/L	95
61) Bromoform	10.31	173	6503	0.548	ug/L #	89
62) 1,3-Dichlorobenzene	11.76	146	27416	0.515	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	28206	0.520	ug/L	97
65) 1,2-Dichlorobenzene	12.22	146	25371	0.507	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	2175	0.536	ug/L	90
67) 1,3,5-Trichlorobenzene	13.24	180	19336	0.496	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	15231	0.442	ug/L	95
69) Naphthalene	14.12	128	24949	0.381	ug/L	98
70) 1,2,3-Trichlorobenzene	14.37	180	14319	0.454	ug/L	96

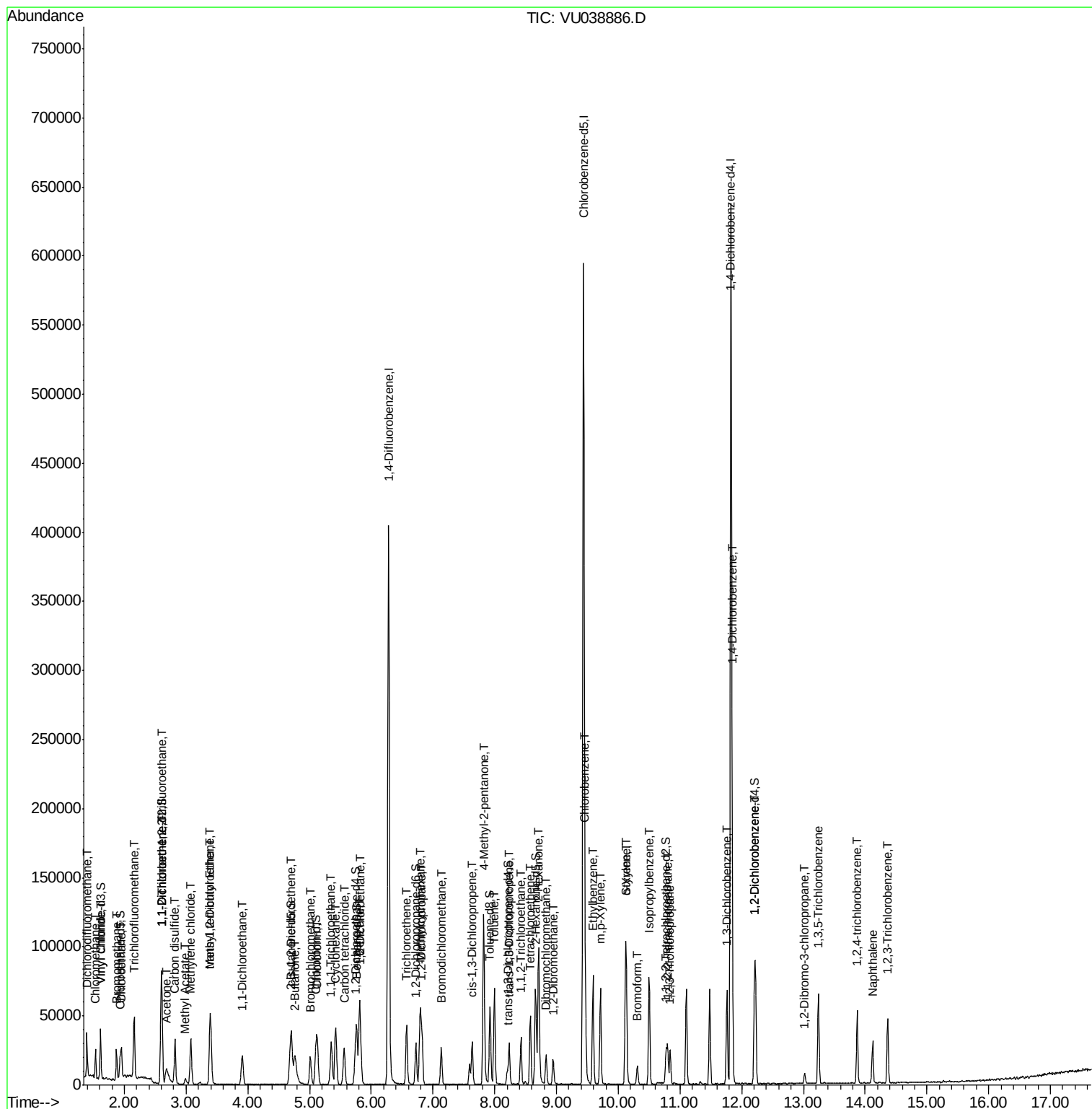
(#) = qualifier out of range (m) = manual integration (+) = signals summed

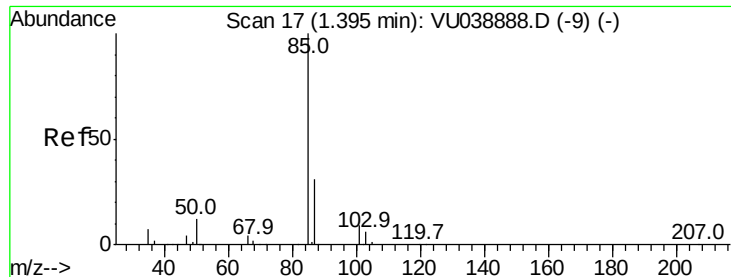
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#2

Dichlorodifluoromethane

Concen: 0.561 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038886.D

Acq: 15 Jun 2020 12:12

Instrument :

MSVOA_U

ClientSampleId :

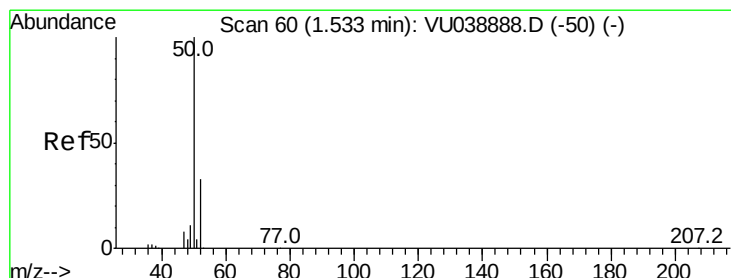
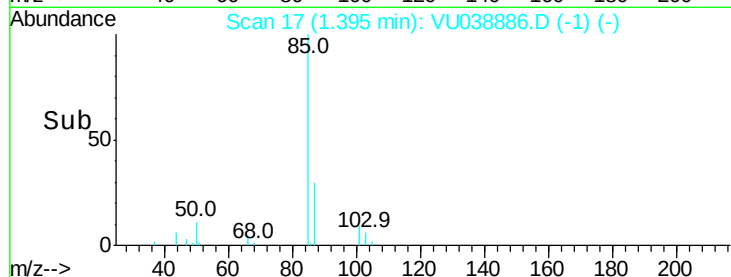
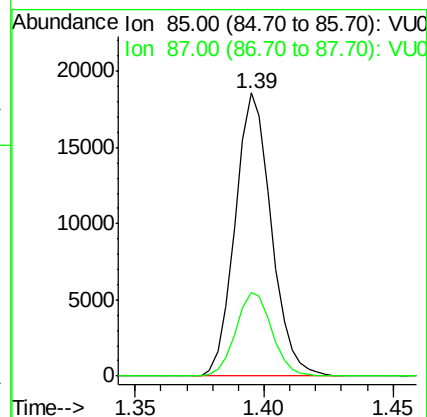
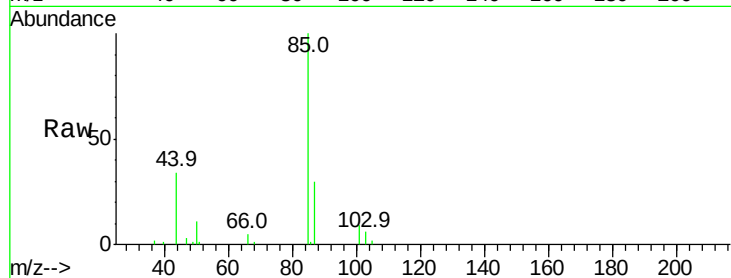
VSTD0.503

Tgt Ion: 85 Resp: 18070

Ion Ratio Lower Upper

85 100

87 29.6 25.0 37.6



#3

Chloromethane

Concen: 0.555 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038886.D

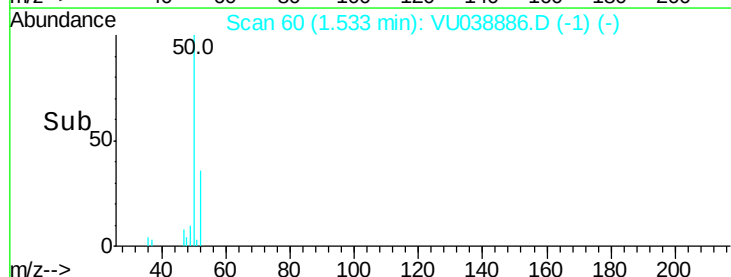
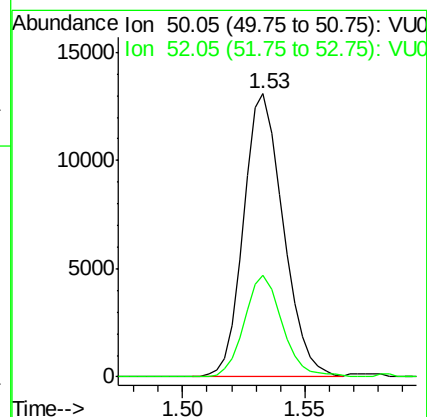
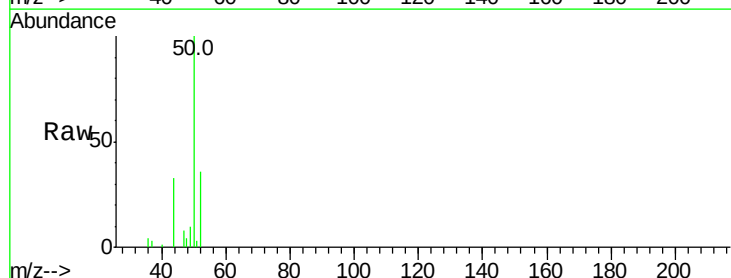
Acq: 15 Jun 2020 12:12

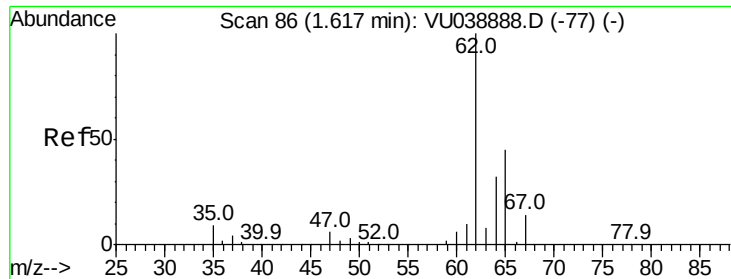
Tgt Ion: 50 Resp: 14722

Ion Ratio Lower Upper

50 100

52 35.9 23.0 42.6





#5

Vinyl chloride

Concen: 0.527 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038886.D

Acq: 15 Jun 2020 12:12

Instrument :

MSVOA_U

ClientSampleId :

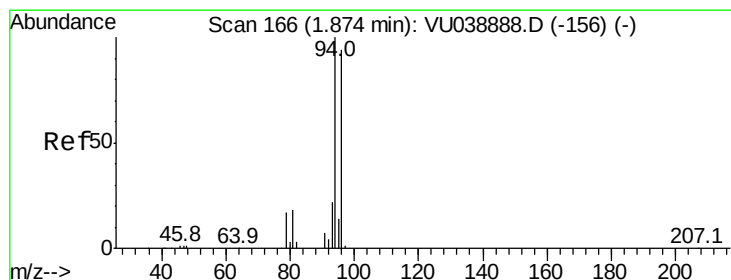
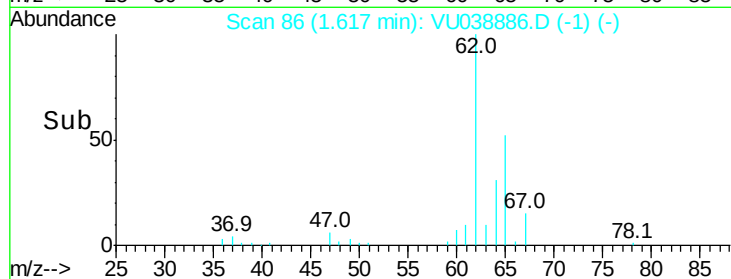
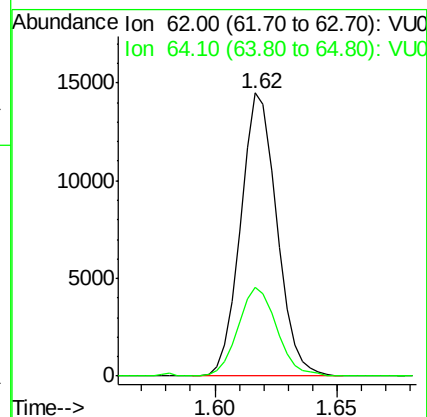
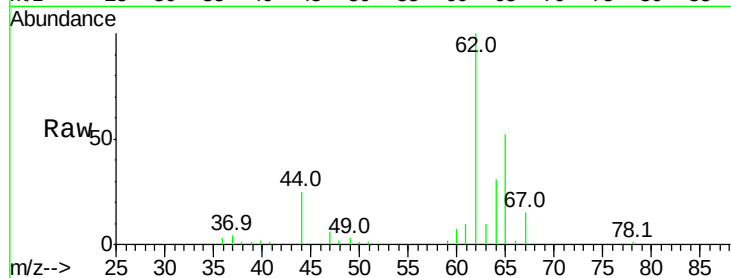
VSTD0.503

Tgt Ion: 62 Resp: 14877

Ion Ratio Lower Upper

62 100

64 31.2 22.2 41.2



#6

Bromomethane

Concen: 0.620 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU038886.D

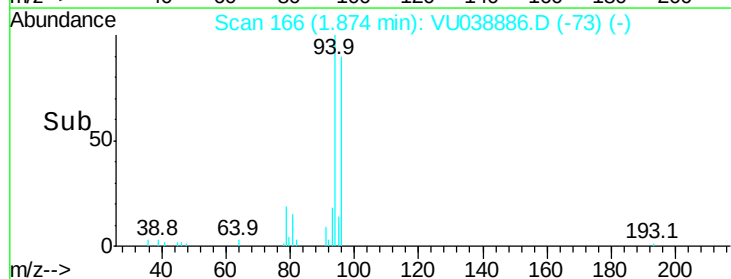
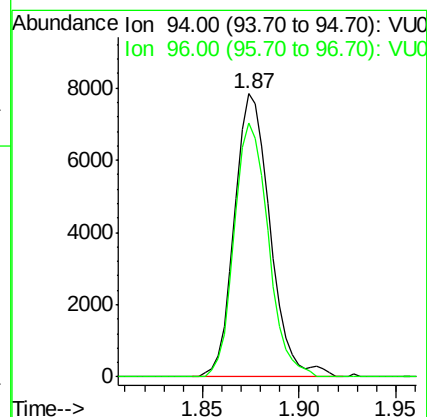
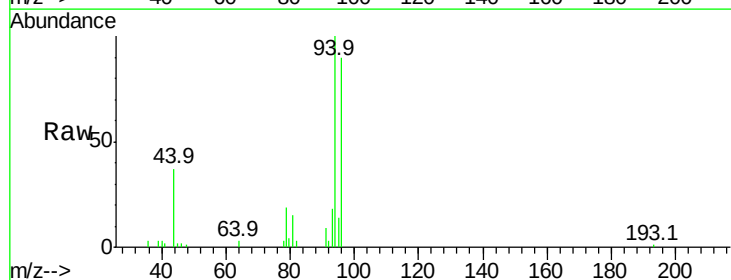
Acq: 15 Jun 2020 12:12

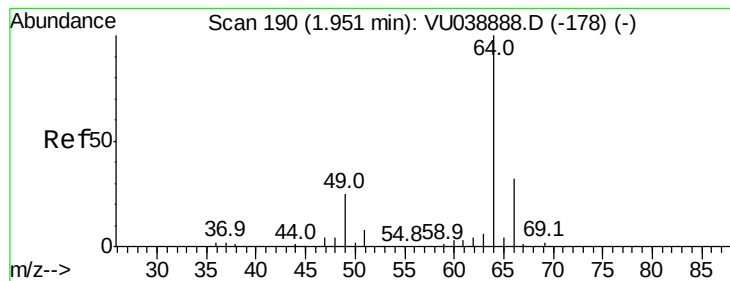
Tgt Ion: 94 Resp: 10040

Ion Ratio Lower Upper

94 100

96 89.7 65.5 121.7





#8

Chloroethane

Concen: 0.749 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU038886.D

Acq: 15 Jun 2020 12:12

Instrument :

MSVOA_U

ClientSampled :

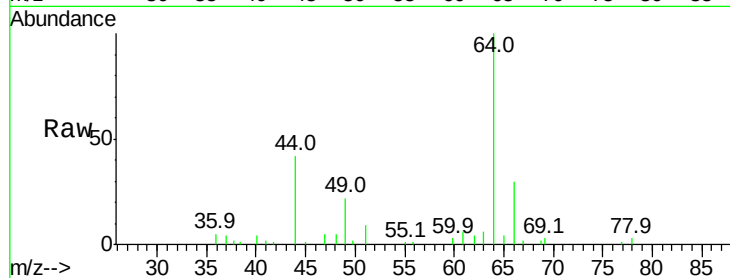
VSTD0.503

Tgt Ion: 64 Resp: 13041

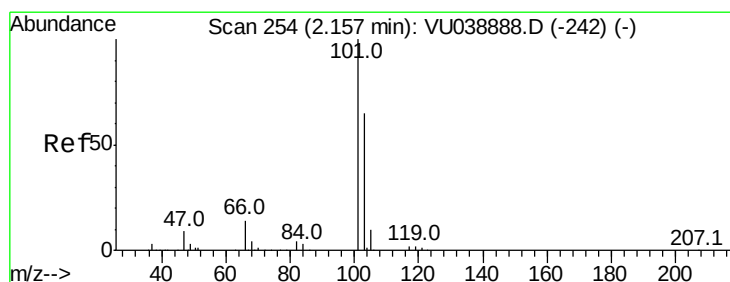
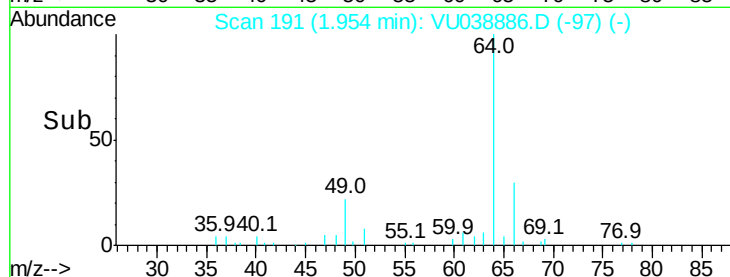
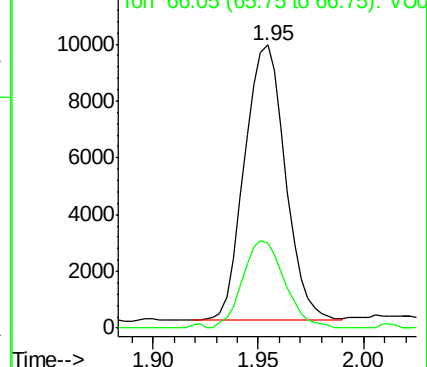
Ion Ratio Lower Upper

64 100

66 29.9 22.6 42.0



Abundance Ion 64.10 (63.80 to 64.80): VU038888.D (-178) (-)



#9

Trichlorofluoromethane

Concen: 0.656 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU038886.D

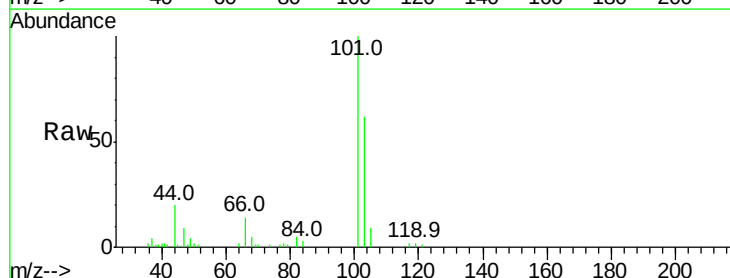
Acq: 15 Jun 2020 12:12

Tgt Ion: 101 Resp: 27479

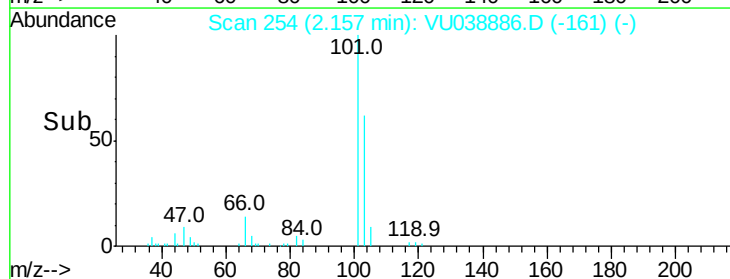
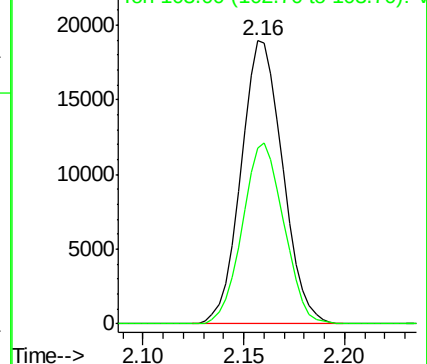
Ion Ratio Lower Upper

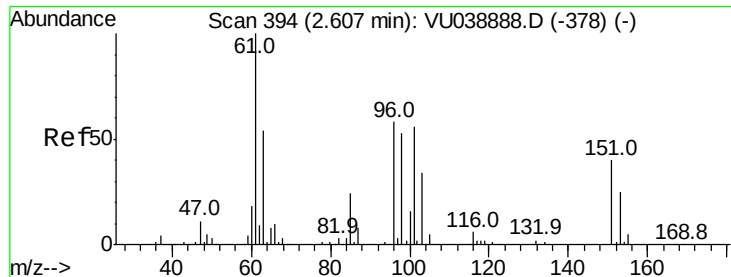
101 100

103 63.3 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU038888.D (-242) (-)





#10

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

Concen: 0.563 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038886.D

Acq: 15 Jun 2020 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

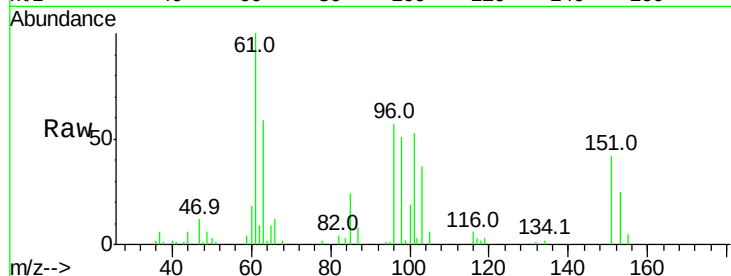
Tgt Ion: 101 Resp: 13485

Ion Ratio Lower Upper

101 100

85 41.9 35.3 52.9

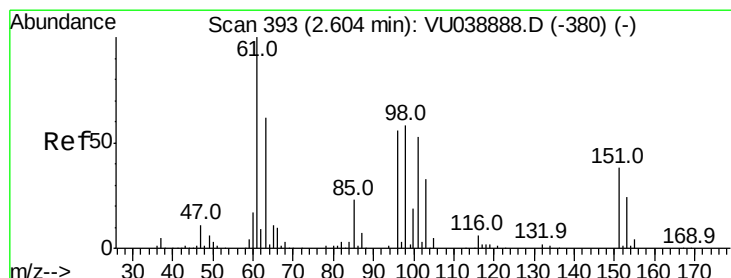
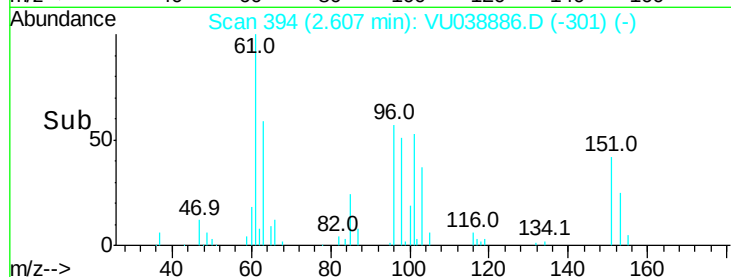
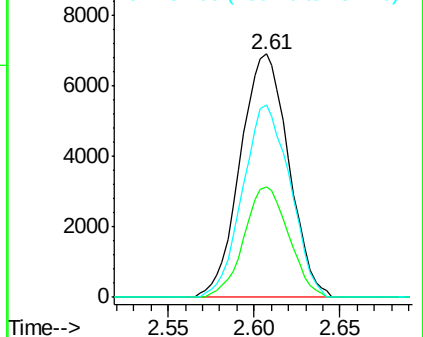
151 77.6 57.4 86.2



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: 0.539 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU038886.D

Acq: 15 Jun 2020 12:12

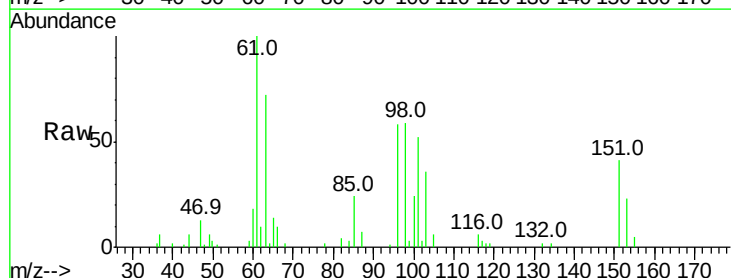
Tgt Ion: 96 Resp: 12475

Ion Ratio Lower Upper

96 100

61 172.7 124.9 232.1

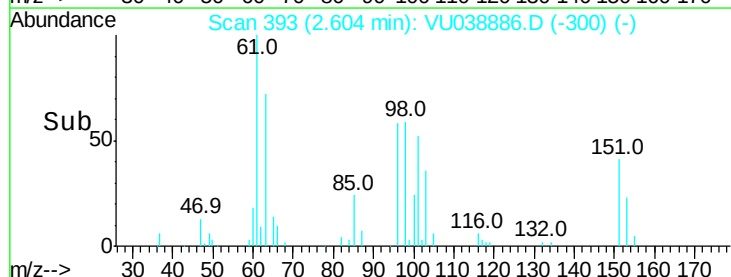
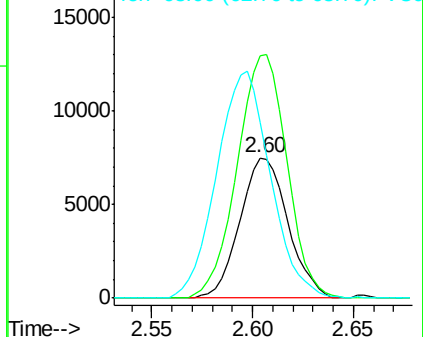
63 124.7 79.1 146.9

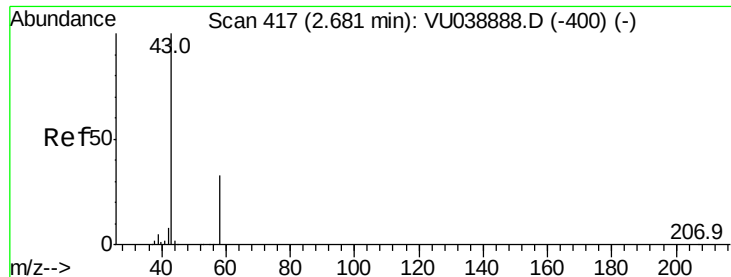


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 5.939 ug/L

RT: 2.68 min Scan# 418

Delta R.T. 0.00 min

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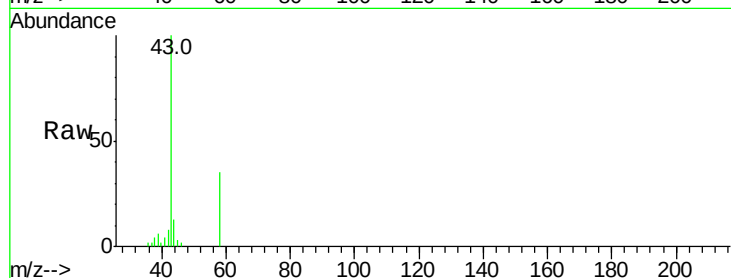
VSTD0.503

Tgt Ion: 43 Resp: 27229

Ion Ratio Lower Upper

43 100

58 18.5 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU038886.D (-324) (-)

Ion 58.05 (57.75 to 58.75): VU038886.D (-324) (-)

8000

6000

4000

2000

0

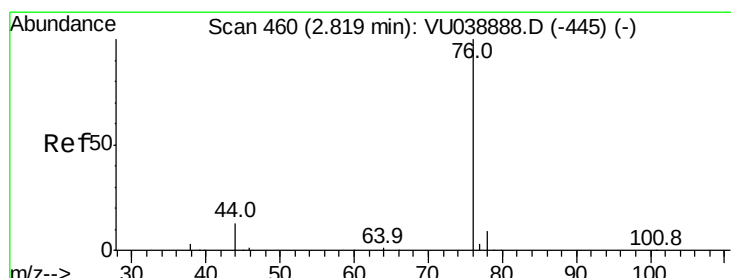
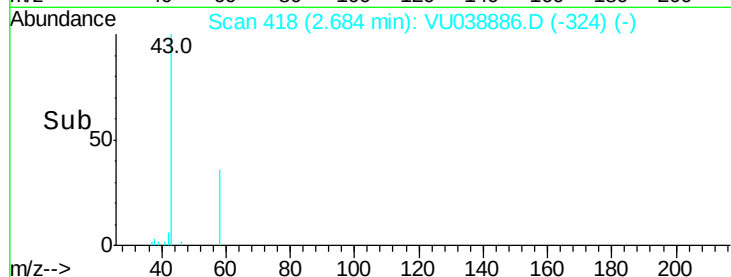
2.68

2.60

2.70

2.80

Time-->



#14

Carbon disulfide

Concen: 0.529 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU038886.D

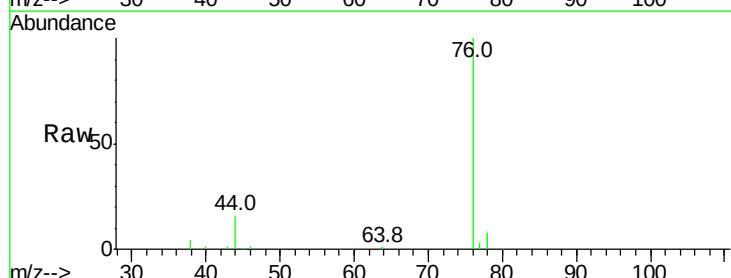
Acq: 15 Jun 2020 12:12

Tgt Ion: 76 Resp: 41679

Ion Ratio Lower Upper

76 100

78 8.3 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU038886.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU038886.D (-367) (-)

25000

20000

15000

10000

5000

0

2.82

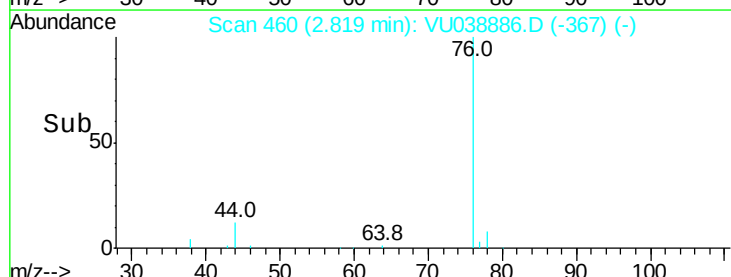
2.75

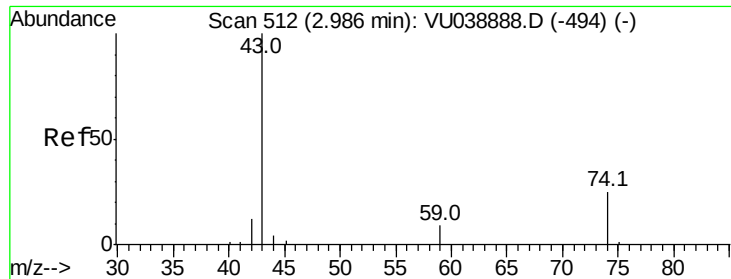
2.80

2.85

2.90

Time-->





#15

Methyl Acetate

Concen: 0.554 ug/L

RT: 2.99 min Scan# 513

Delta R.T. 0.00 min

Lab File: VU038886.D

Acq: 15 Jun 2020 12:12

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ClientSampleId :

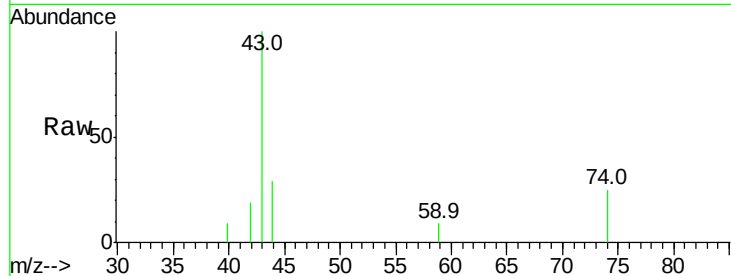
VSTD0.503

Tgt Ion: 43 Resp: 6202

Ion Ratio Lower Upper

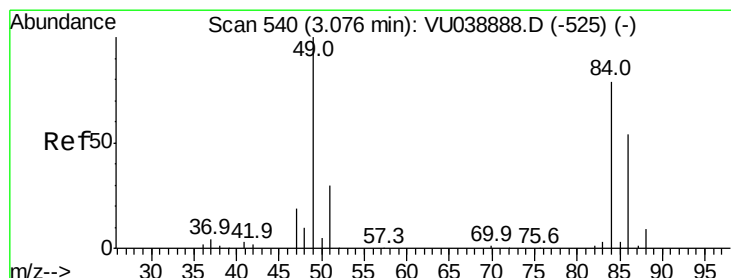
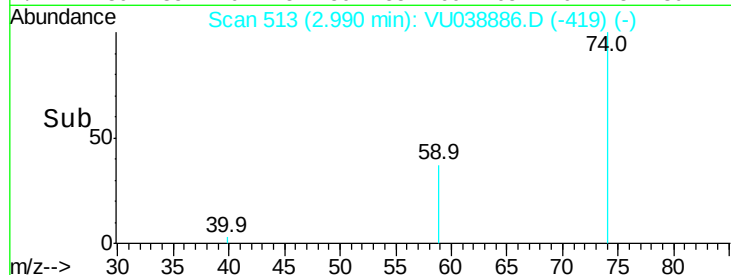
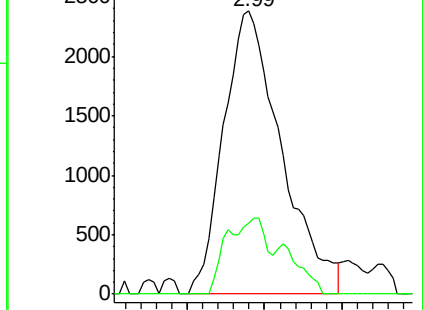
43 100

74 18.8 19.7 29.5#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 0.593 ug/L

RT: 3.08 min Scan# 541

Delta R.T. 0.00 min

Lab File: VU038886.D

Acq: 15 Jun 2020 12:12

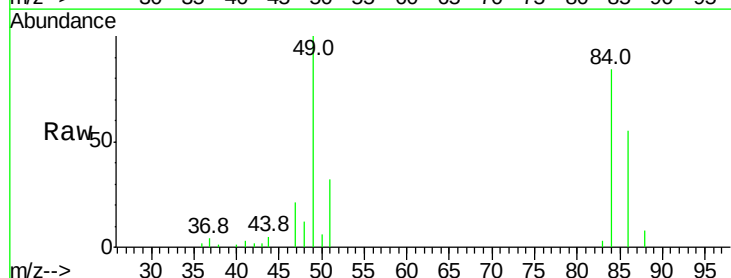
Tgt Ion: 84 Resp: 15784

Ion Ratio Lower Upper

84 100

86 64.9 47.9 89.1

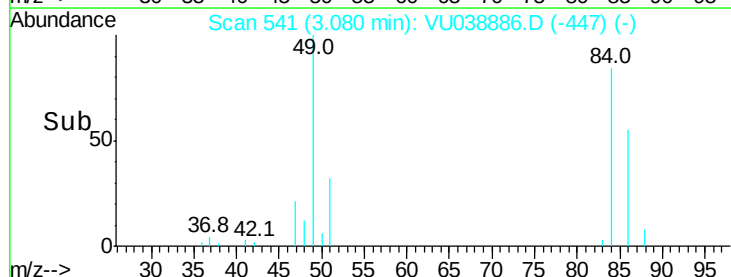
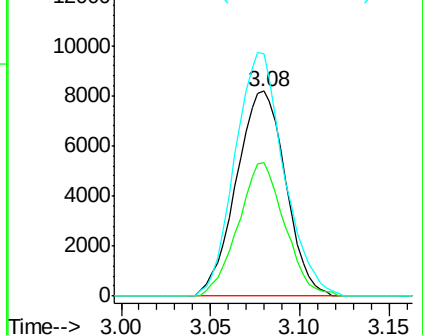
49 118.4 88.4 164.2

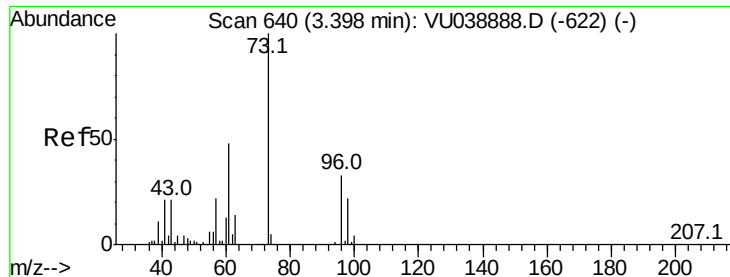


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





#17

Methyl tert-butyl Ether

Concen: 0.488 ug/L

RT: 3.40 min Scan# 641

Delta R.T. 0.00 min

Lab File: VU038886.D

Acq: 15 Jun 2020 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

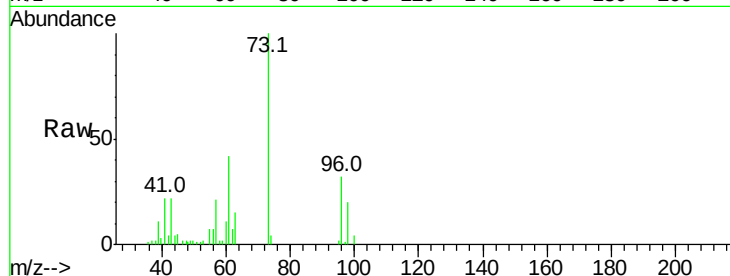
Tgt Ion: 73 Resp: 29064

Ion Ratio Lower Upper

73 100

43 20.2 16.6 24.8

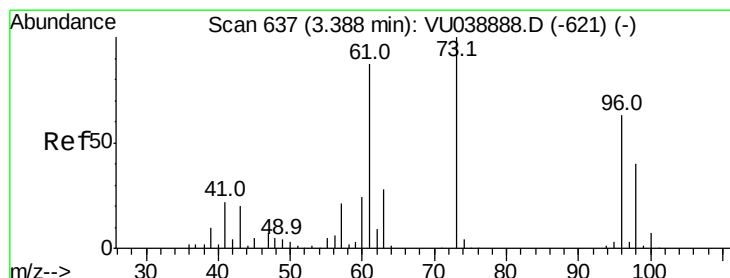
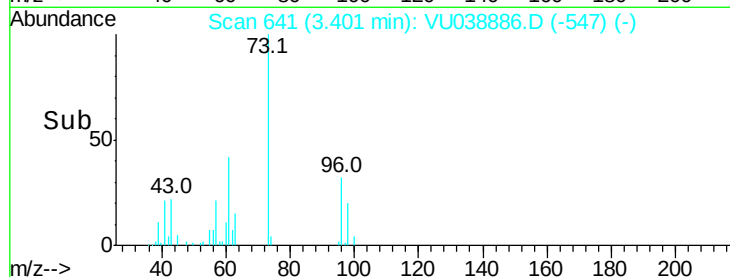
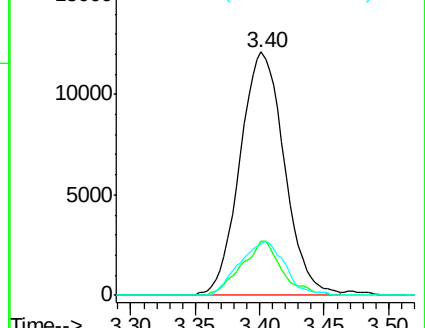
57 22.7 17.5 26.3



Abundance Ion 73.10 (72.80 to 73.80): VU038886.D (-622) (-)

Ion 43.05 (42.75 to 43.75): VU038886.D (-622) (-)

Ion 57.10 (56.80 to 57.80): VU038886.D (-622) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.531 ug/L

RT: 3.39 min Scan# 636

Delta R.T. -0.00 min

Lab File: VU038886.D

Acq: 15 Jun 2020 12:12

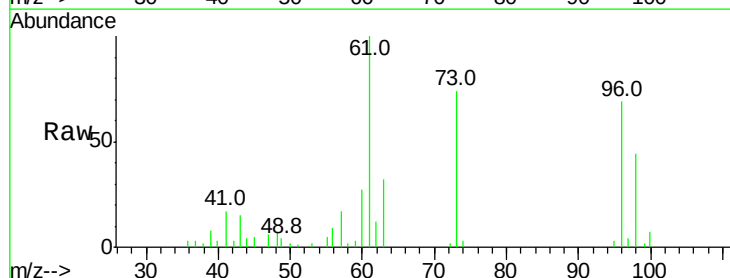
Tgt Ion: 96 Resp: 13184

Ion Ratio Lower Upper

96 100

61 144.4 97.6 181.4

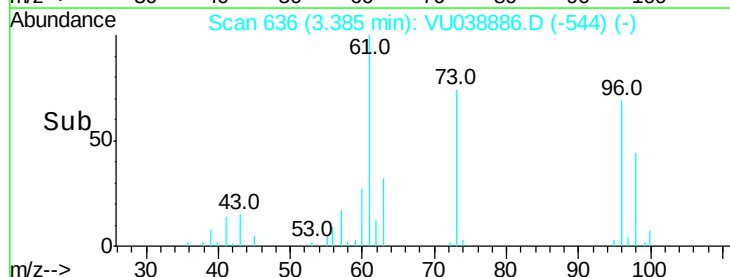
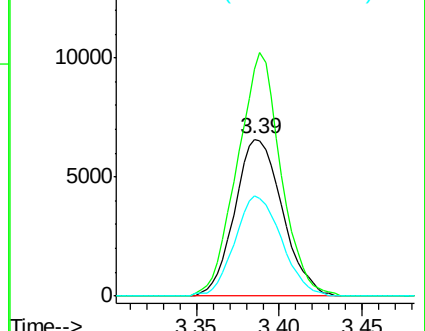
98 63.7 44.5 82.7

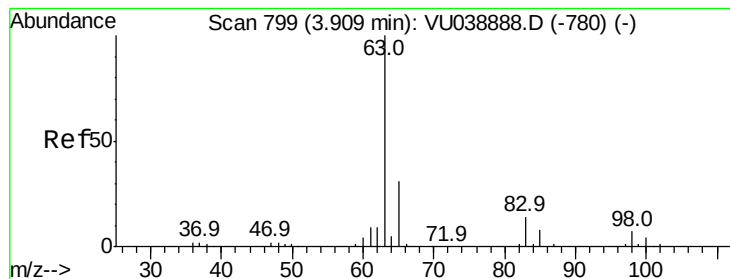


Abundance Ion 96.00 (95.70 to 96.70): VU038886.D (-544) (-)

Ion 61.05 (60.75 to 61.75): VU038886.D (-544) (-)

Ion 97.95 (97.65 to 98.65): VU038886.D (-544) (-)





#19

1,1-Dichloroethane

Concen: 0.532 ug/L

RT: 3.91 min Scan# 799

Delta R.T. 0.00 min

Lab File: VU038886.D

Acq: 15 Jun 2020 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

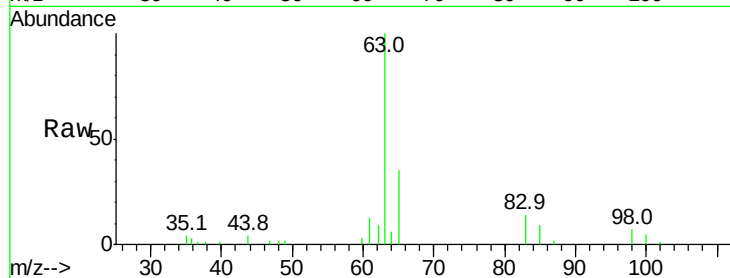
Tgt Ion: 63 Resp: 23789

Ion Ratio Lower Upper

63 100

65 35.2 21.3 39.6

83 13.6 9.5 17.7

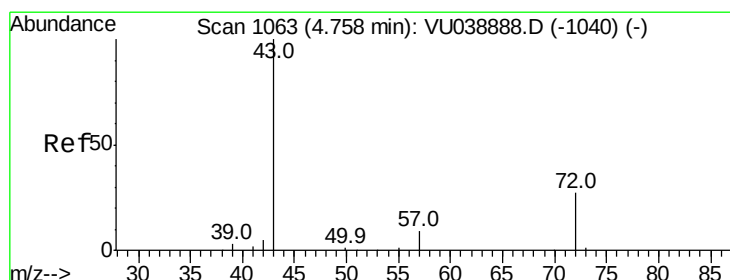
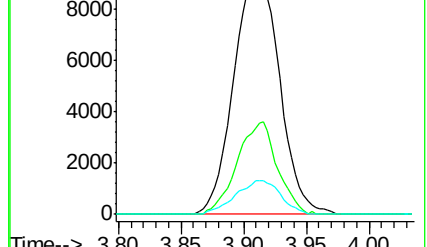
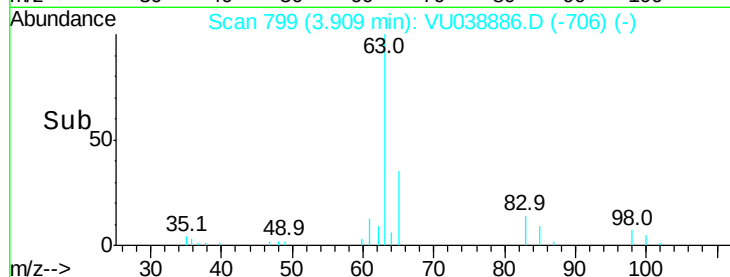


Abundance Ion 63.10 (62.80 to 63.80): VU038886.D (-780) (-)

Ion 65.10 (64.80 to 65.80): VU038886.D (-780) (-)

Ion 83.05 (82.75 to 83.75): VU038886.D (-780) (-)

Time-->



#21

2-Butanone

Concen: 5.493 ug/L

RT: 4.76 min Scan# 1065

Delta R.T. 0.01 min

Lab File: VU038886.D

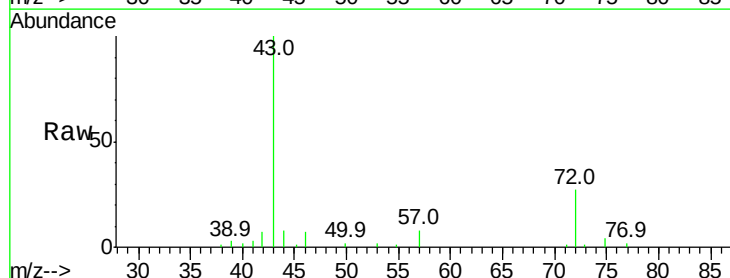
Acq: 15 Jun 2020 12:12

Tgt Ion: 43 Resp: 41368

Ion Ratio Lower Upper

43 100

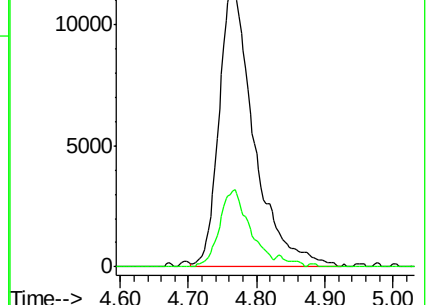
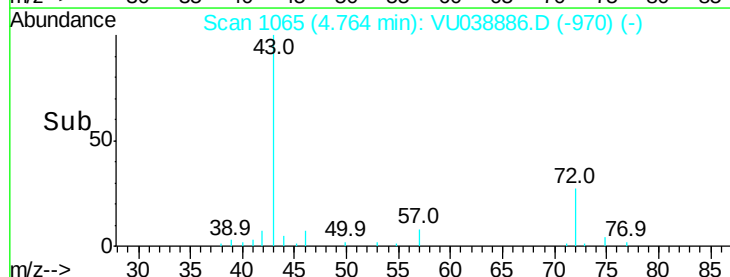
72 23.6 14.0 41.9

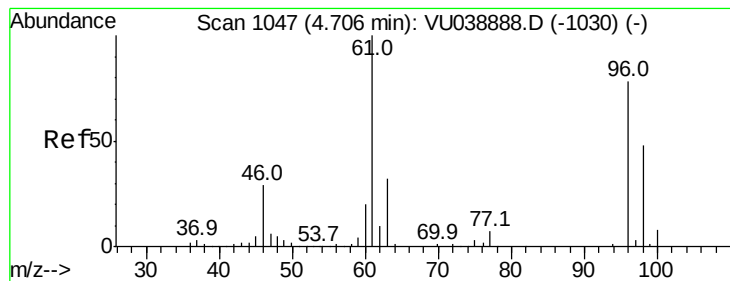


Abundance Ion 43.05 (42.75 to 43.75): VU038886.D (-970) (-)

Ion 72.10 (71.80 to 72.80): VU038886.D (-970) (-)

Time-->





#22

cis-1,2-Dichloroethene

Concen: 0.506 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU038886.D

Acq: 15 Jun 2020 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

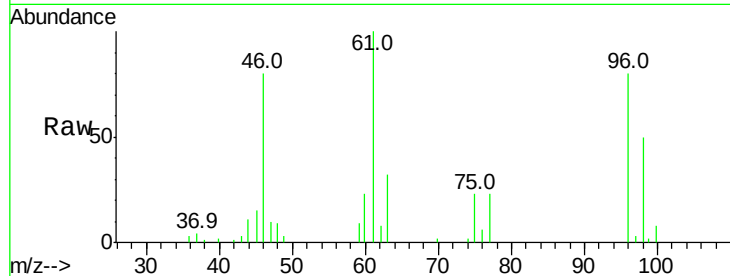
Tgt Ion: 96 Resp: 13093

Ion Ratio Lower Upper

96 100

61 124.5 90.5 168.1

68 0.0 0.0 0.0

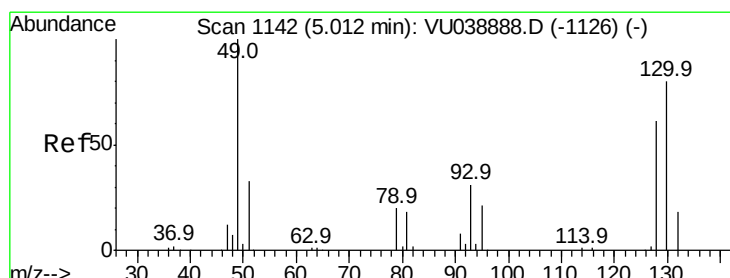
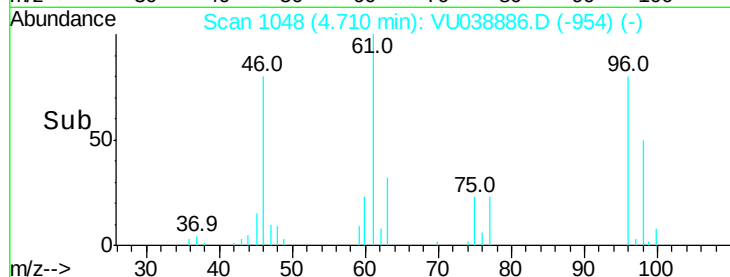
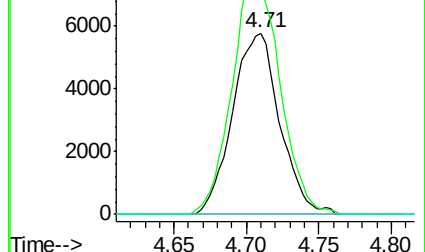


Abundance Ion 96.00 (95.70 to 96.70): VU038886.D (-1030) (-)

Ion 61.05 (60.75 to 61.75): VU038886.D (-1030) (-)

Ion 68.15 (67.85 to 68.85): VU038886.D (-1030) (-)

Time-->



#23

Bromochloromethane

Concen: 0.522 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU038886.D

Acq: 15 Jun 2020 12:12

Tgt Ion: 128 Resp: 6330

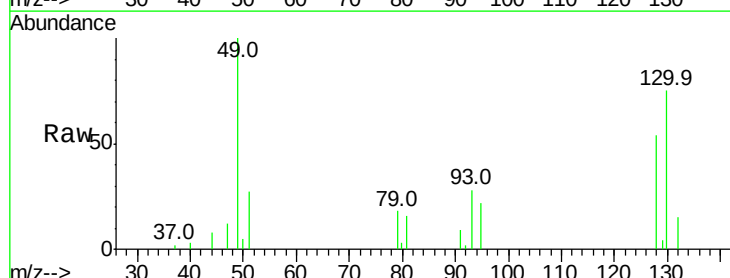
Ion Ratio Lower Upper

128 100

49 184.2 114.8 213.2

130 138.2 91.7 170.3

51 50.6 42.7 64.1



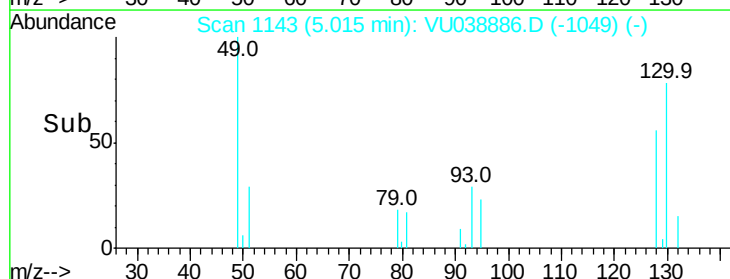
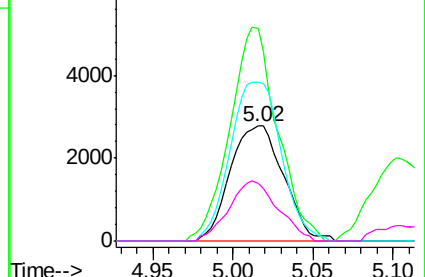
Abundance Ion 127.90 (127.60 to 128.60): VU038886.D (-1126) (-)

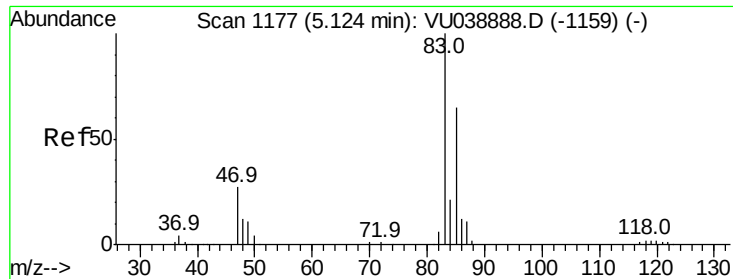
Ion 49.10 (48.80 to 49.80): VU038886.D (-1126) (-)

Ion 129.95 (129.65 to 130.65): VU038886.D (-1126) (-)

Ion 51.05 (50.75 to 51.75): VU038886.D (-1126) (-)

Time-->





#25

Chloroform

Concen: 0.551 ug/L

RT: 5.12 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VU038886.D

Acq: 15 Jun 2020 12:12

Instrument :

MSVOA_U

ClientSampleId :

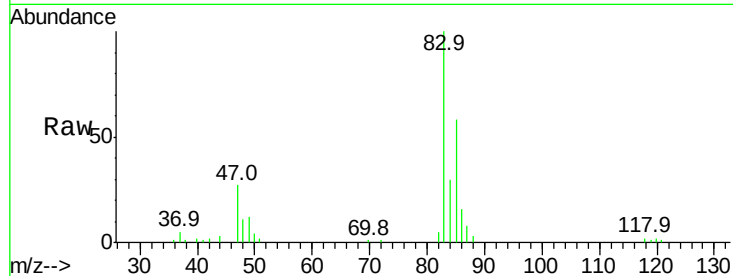
VSTD0.503

Tgt Ion: 83 Resp: 25421

Ion Ratio Lower Upper

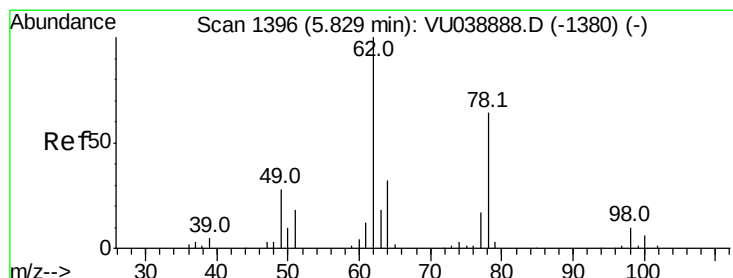
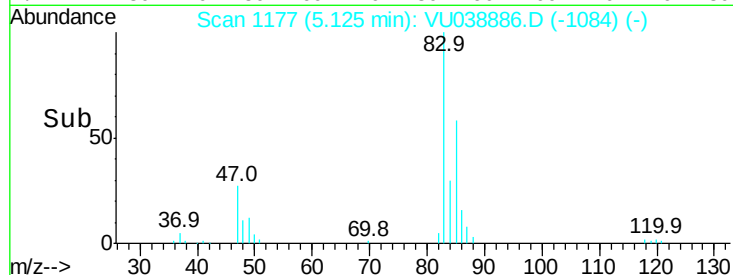
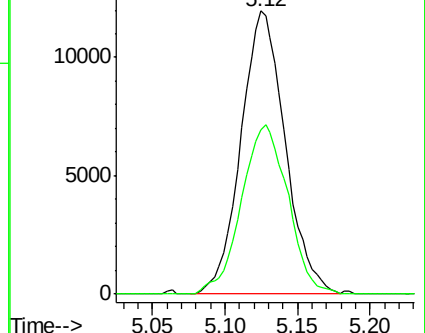
83 100

85 57.9 45.8 85.2



Abundance Ion 83.05 (82.75 to 83.75): VU038888.D (-1159) (-)

Ion 85.00 (84.70 to 85.70): VU038888.D (-1159) (-)



#27

1,2-Dichloroethane

Concen: 0.557 ug/L

RT: 5.83 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VU038886.D

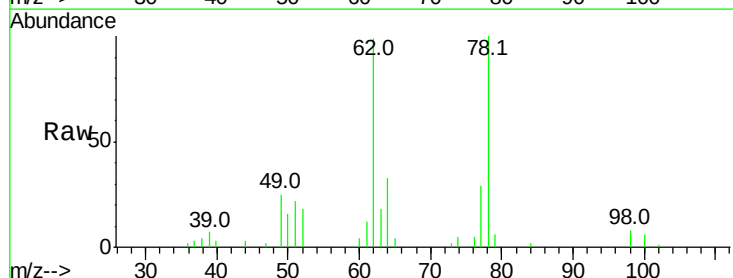
Acq: 15 Jun 2020 12:12

Tgt Ion: 62 Resp: 17892

Ion Ratio Lower Upper

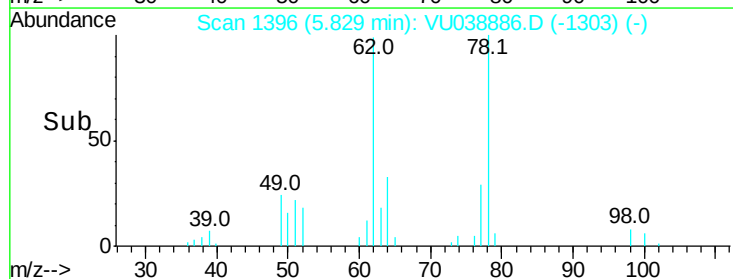
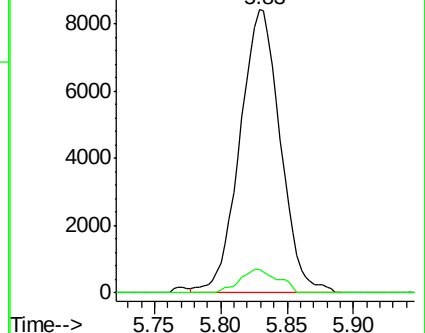
62 100

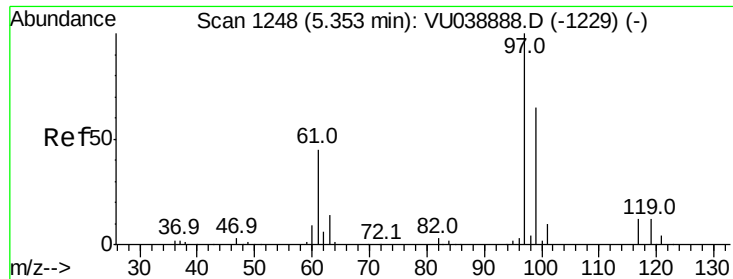
98 8.4 8.2 12.4



Abundance Ion 62.00 (61.70 to 62.70): VU038888.D (-1380) (-)

Ion 98.05 (97.75 to 98.75): VU038888.D (-1380) (-)

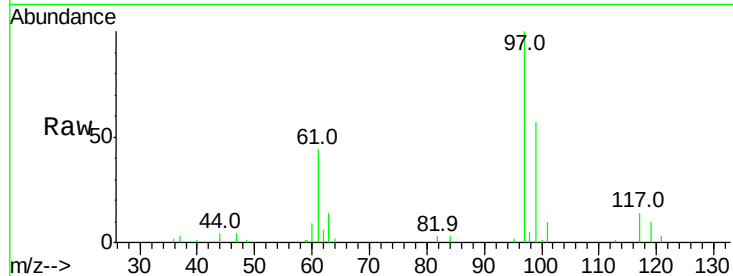




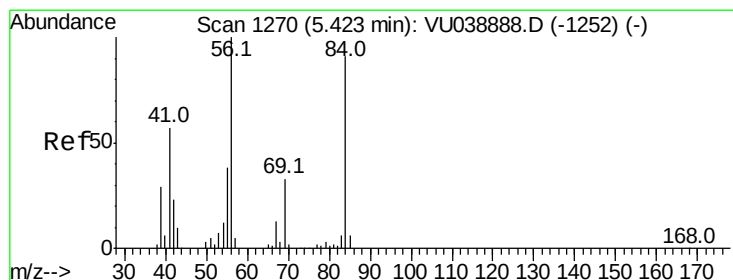
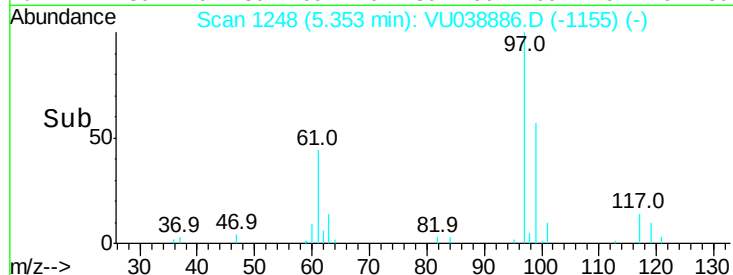
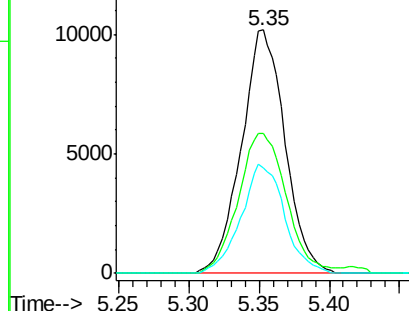
#29
 1,1,1-Trichloroethane
 Concen: 0.541 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU038886.D
 Acq: 15 Jun 2020 12:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

Tgt Ion: 97 Resp: 22042
 Ion Ratio Lower Upper
 97 100
 99 63.5 51.4 77.2
 61 44.8 36.3 54.5

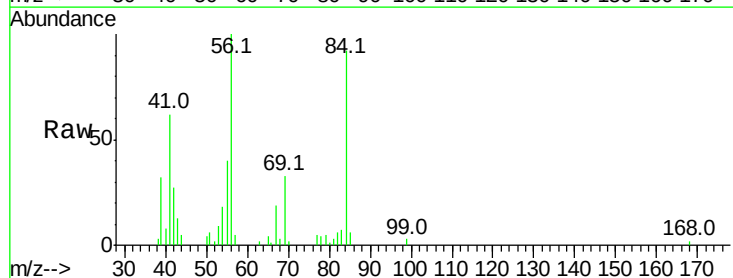


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

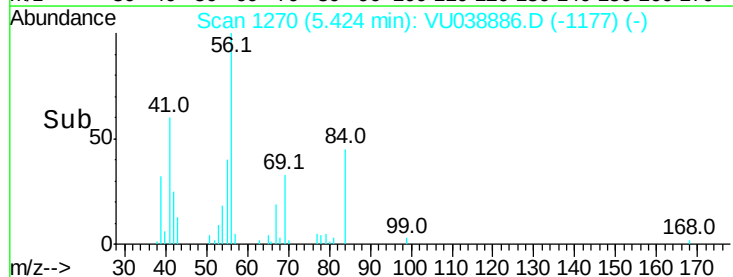
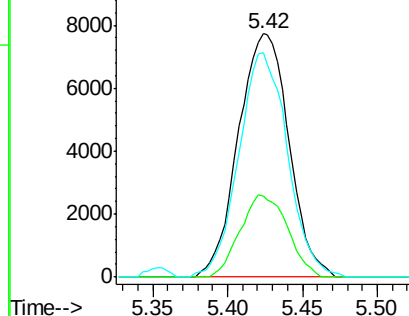


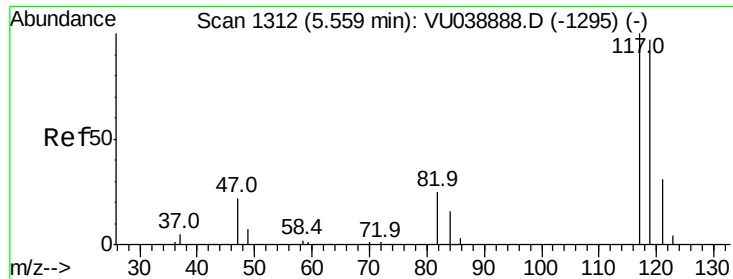
#30
 Cyclohexane
 Concen: 0.459 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU038886.D
 Acq: 15 Jun 2020 12:12

Tgt Ion: 56 Resp: 18157
 Ion Ratio Lower Upper
 56 100
 69 31.6 25.4 38.2
 84 89.0 72.1 108.1



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 0.543 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU038886.D

Acq: 15 Jun 2020 12:12

Instrument :

MSVOA_U

ClientSampleId :

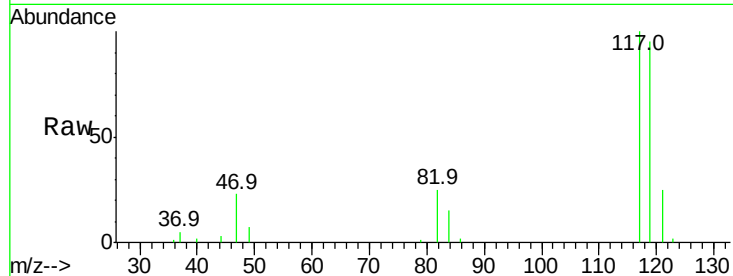
VSTD0.503

Tgt Ion:117 Resp: 18675

Ion Ratio Lower Upper

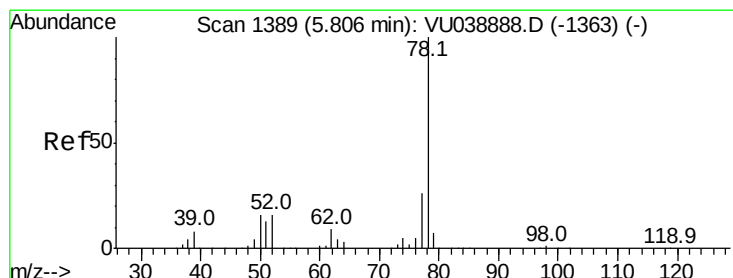
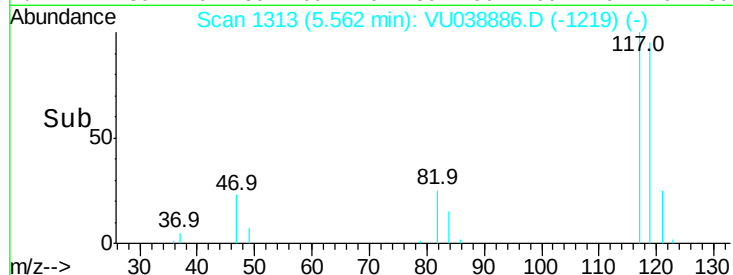
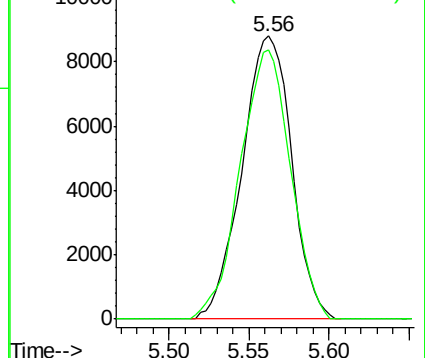
117 100

119 96.4 76.6 114.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.514 ug/L

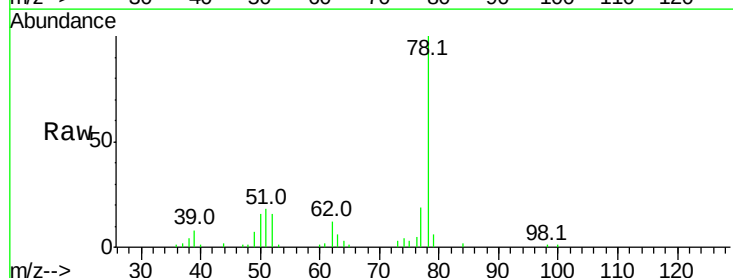
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

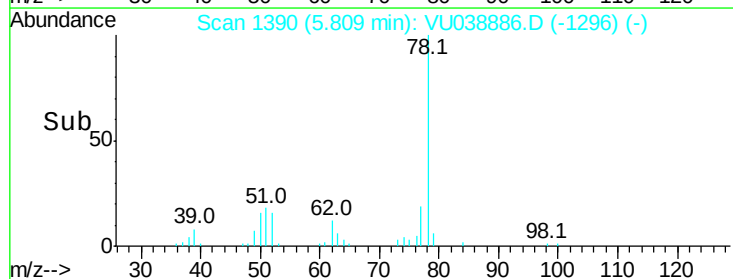
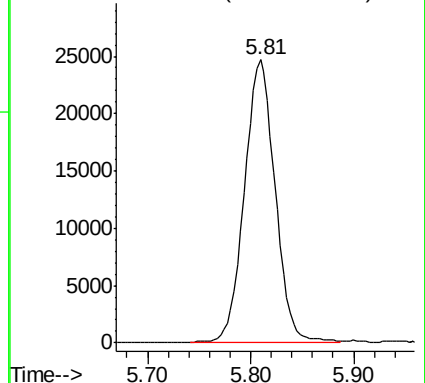
Lab File: VU038886.D

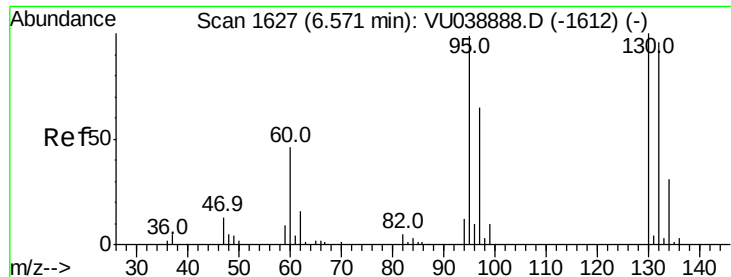
Acq: 15 Jun 2020 12:12

Tgt Ion: 78 Resp: 51364



Abundance Ion 78.10 (77.80 to 78.80): VU0

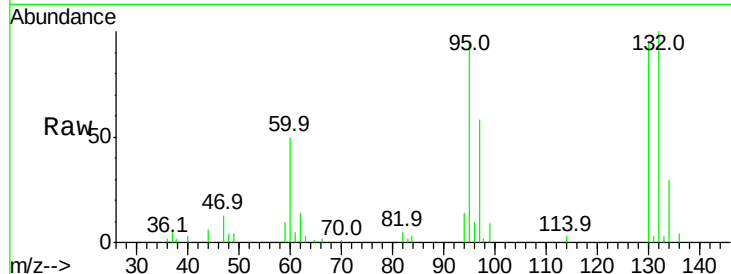




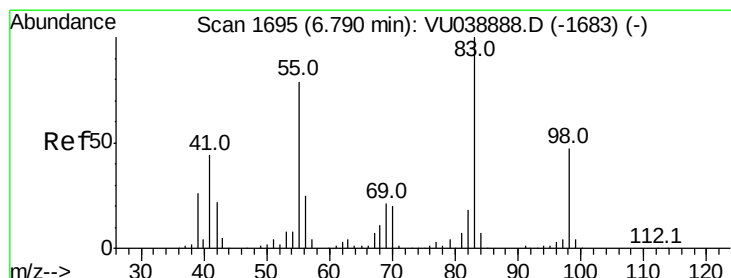
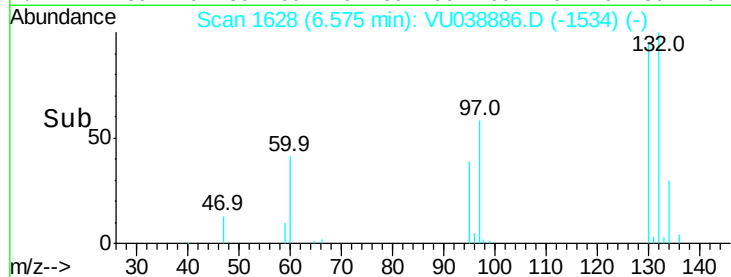
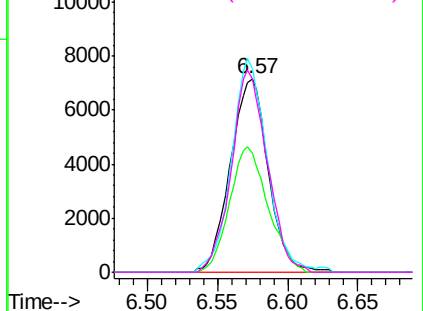
#34
 Trichloroethene
 Concen: 0.518 ug/L
 RT: 6.57 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: VU038886.D
 Acq: 15 Jun 2020 12:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

Tgt Ion:	95	Resp:	13507
Ion	Ratio	Lower	Upper
95	100		
97	61.5	46.1	85.5
132	105.3	68.2	126.6
130	100.0	71.0	131.9

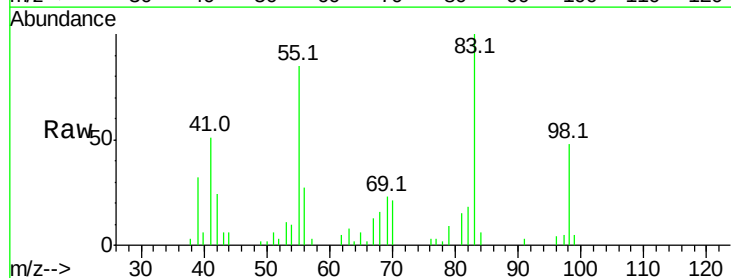


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

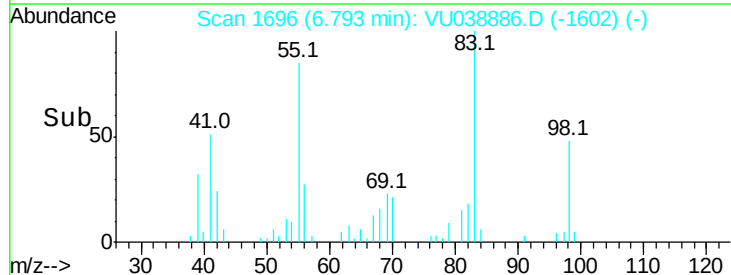
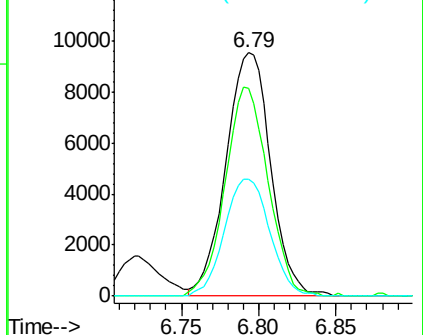


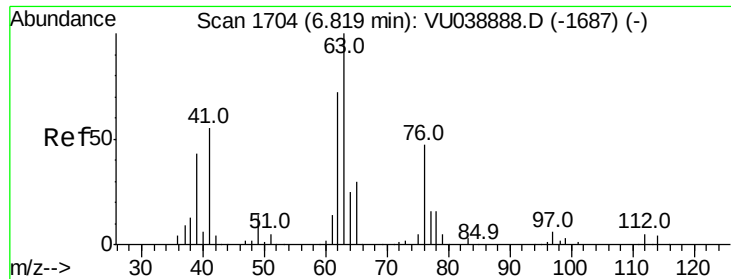
#35
 Methylcyclohexane
 Concen: 0.472 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU038886.D
 Acq: 15 Jun 2020 12:12

Tgt Ion:	83	Resp:	19138
Ion	Ratio	Lower	Upper
83	100		
55	82.2	63.6	95.4
98	48.7	38.9	58.3



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

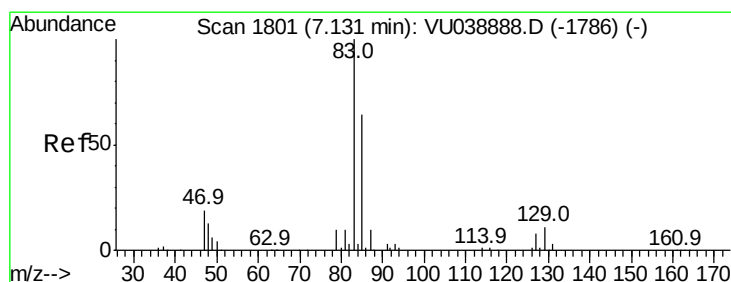
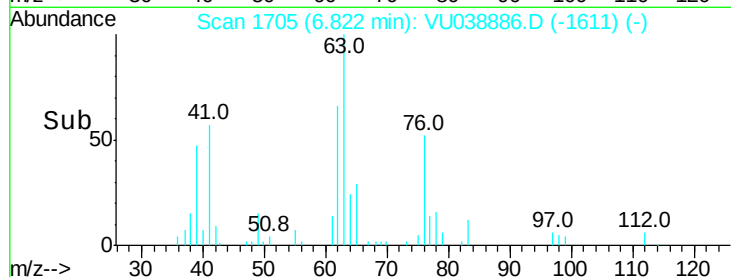
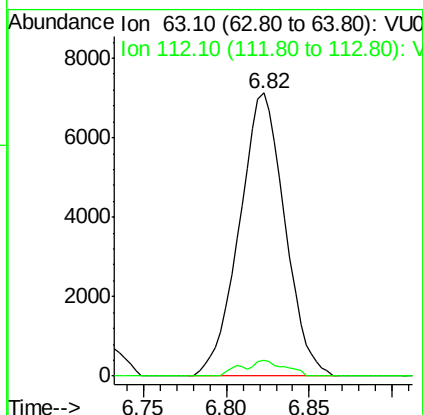
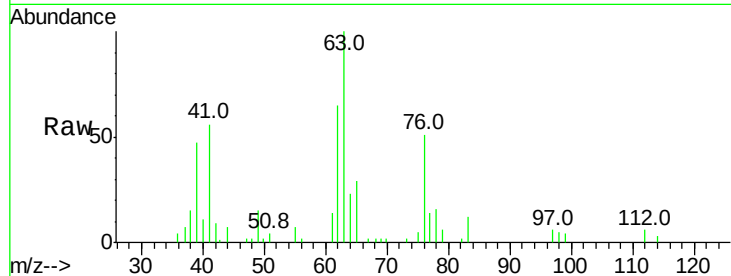




#37
 1,2-Dichloropropane
 Concen: 0.539 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU038886.D
 Acq: 15 Jun 2020 12:12

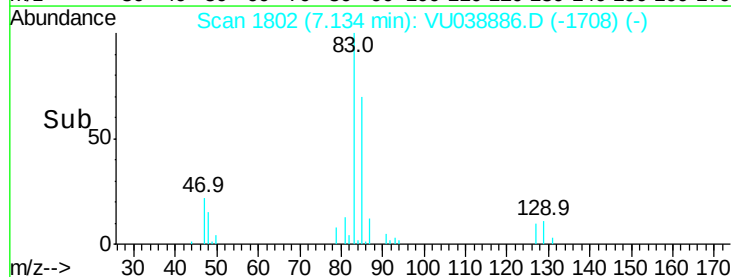
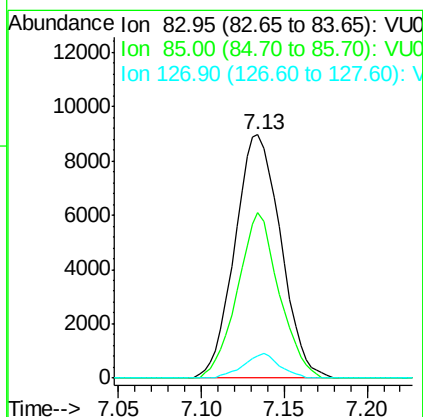
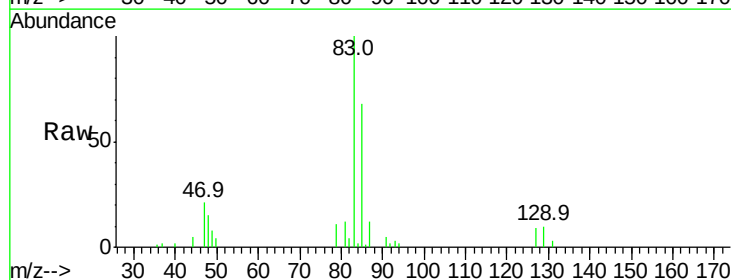
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

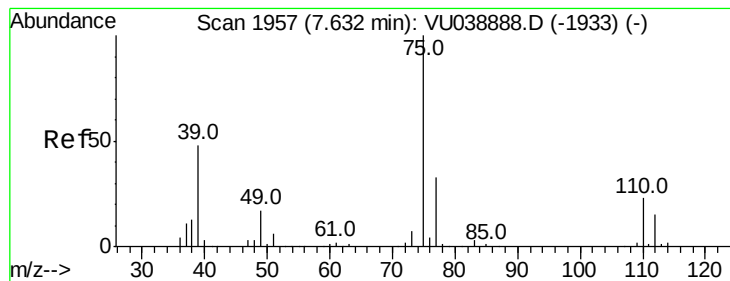
Tgt Ion: 63 Resp: 13564
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.8 5.8#



#38
 Bromodichloromethane
 Concen: 0.529 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VU038886.D
 Acq: 15 Jun 2020 12:12

Tgt Ion: 83 Resp: 17258
 Ion Ratio Lower Upper
 83 100
 85 68.2 44.8 83.2
 127 9.3 6.3 9.5



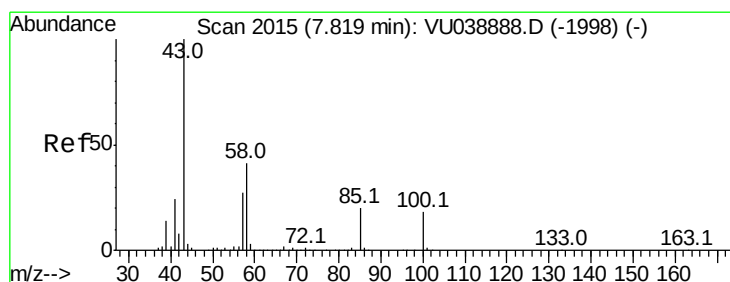
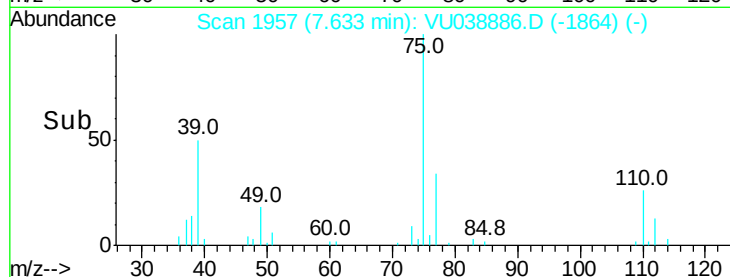
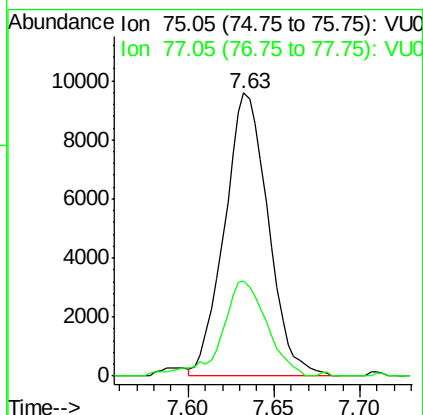
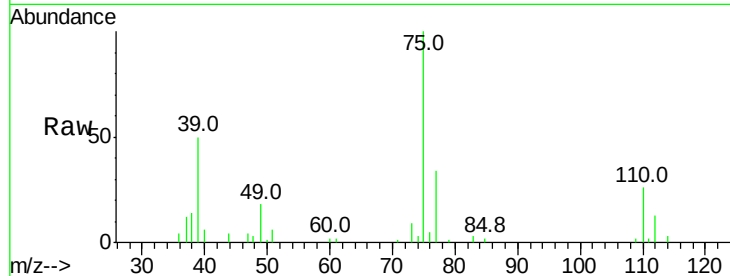


#39

cis-1,3-Dichloropropene
 Concen: 0.456 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU038886.D
 Acq: 15 Jun 2020 12:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

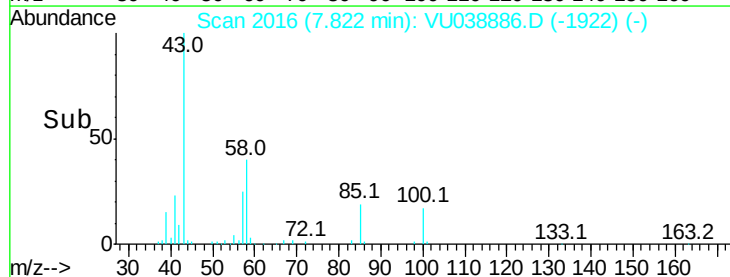
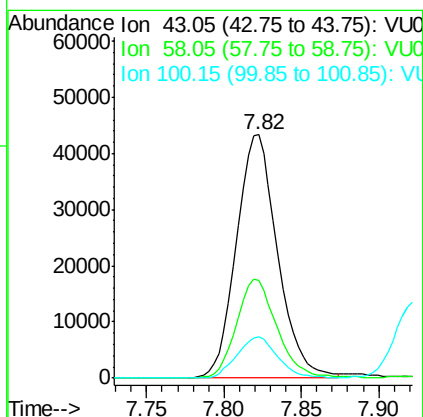
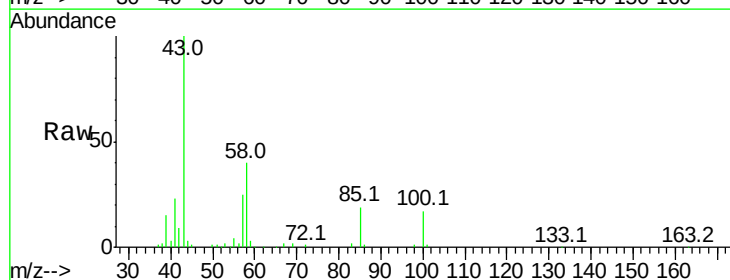
Tgt Ion: 75 Resp: 17003
 Ion Ratio Lower Upper
 75 100
 77 33.8 23.0 42.6

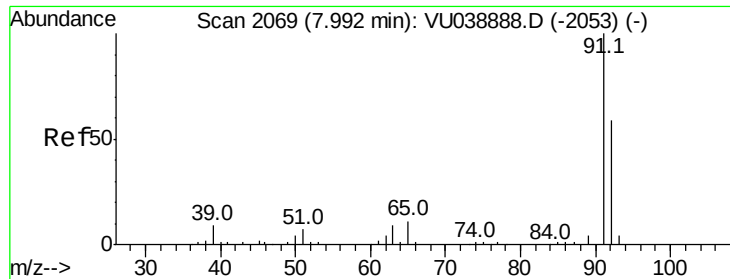


#40

4-Methyl-2-pentanone
 Concen: 4.767 ug/L
 RT: 7.82 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VU038886.D
 Acq: 15 Jun 2020 12:12

Tgt Ion: 43 Resp: 80241
 Ion Ratio Lower Upper
 43 100
 58 39.9 32.6 49.0
 100 16.7 13.8 20.6





#42

Toluene

Concen: 0.482 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU038886.D

Acq: 15 Jun 2020 12:12

Instrument :

MSVOA_U

ClientSampleId :

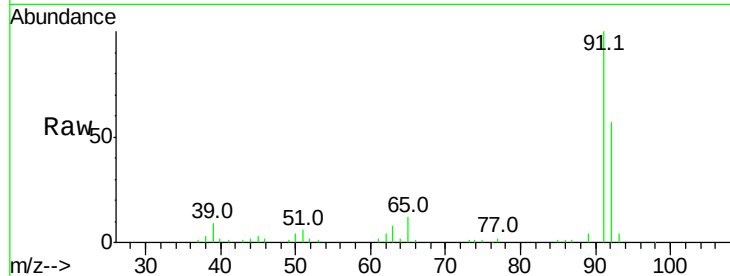
VSTD0.503

Tgt Ion: 91 Resp: 50811

Ion Ratio Lower Upper

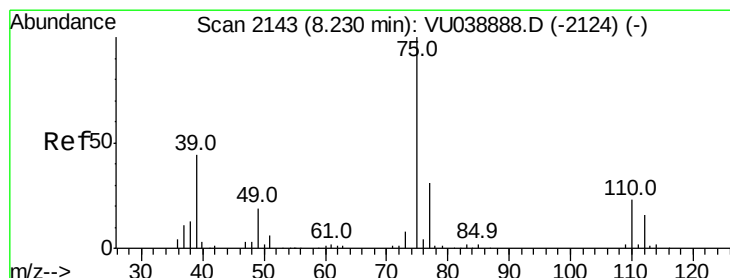
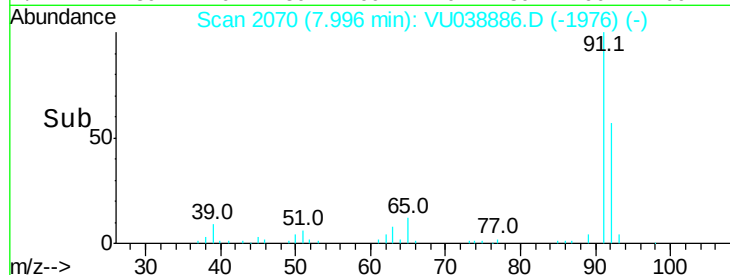
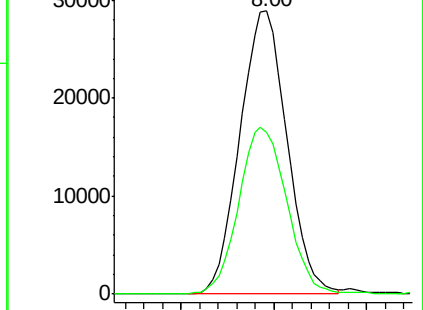
91 100

92 57.2 41.5 77.1



Abundance Ion 91.15 (90.85 to 91.85): VU038886.D (-2053) (-)

Ion 92.15 (91.85 to 92.85): VU038886.D (-2053) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.484 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038886.D

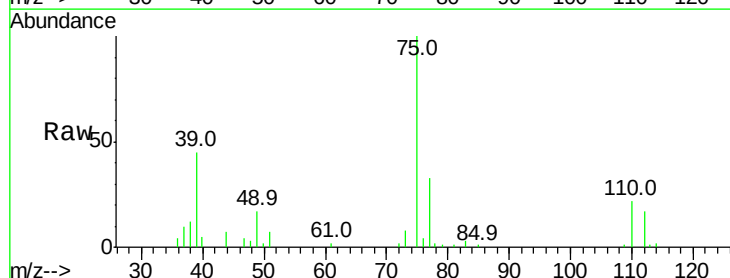
Acq: 15 Jun 2020 12:12

Tgt Ion: 75 Resp: 16087

Ion Ratio Lower Upper

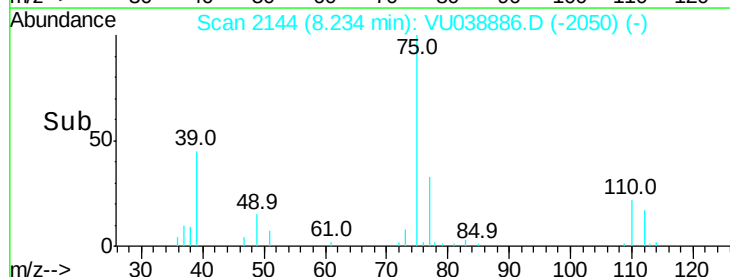
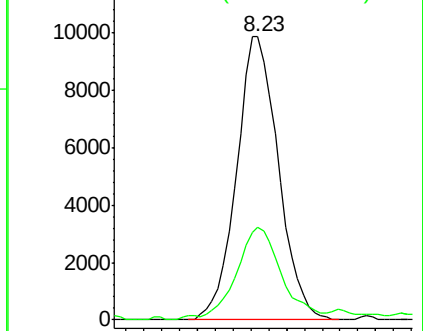
75 100

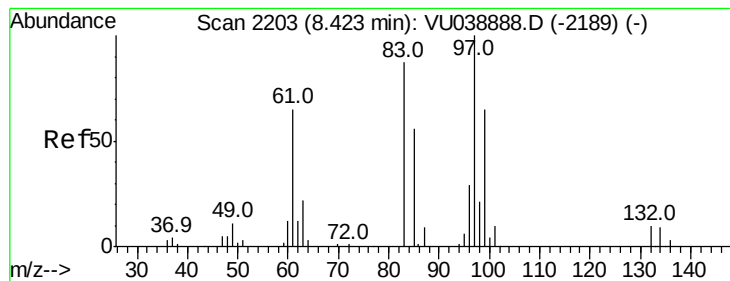
77 32.6 21.9 40.7



Abundance Ion 75.05 (74.75 to 75.75): VU038886.D (-2050) (-)

Ion 77.05 (76.75 to 77.75): VU038886.D (-2050) (-)





#45

1,1,2-Trichloroethane

Concen: 0.525 ug/L

RT: 8.43 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VU038886.D

Acq: 15 Jun 2020 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

Tgt Ion: 97 Resp: 10078

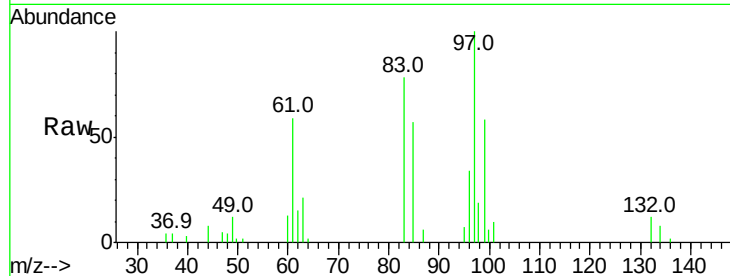
Ion Ratio Lower Upper

97 100

99 57.7 45.4 84.2

83 78.1 60.6 112.6

85 57.1 39.0 72.4

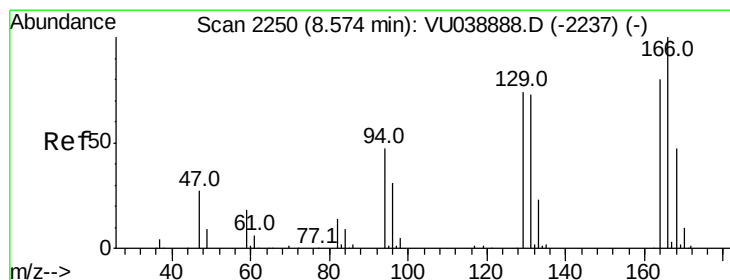
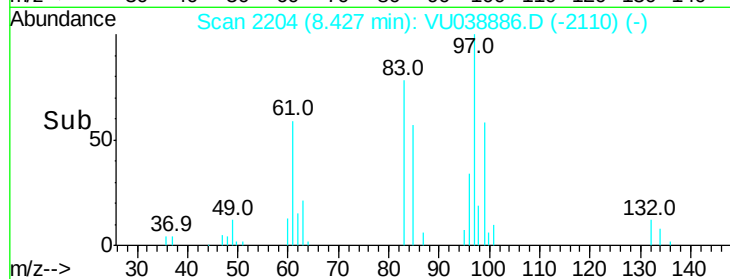
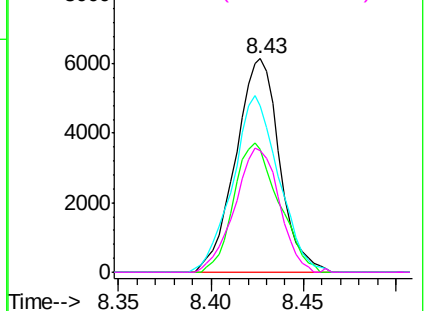


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 0.528 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. 0.00 min

Lab File: VU038886.D

Acq: 15 Jun 2020 12:12

Tgt Ion: 164 Resp: 10590

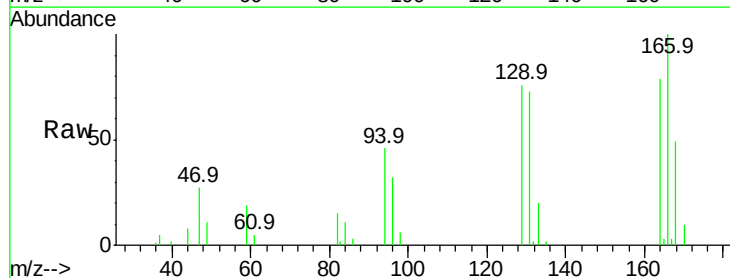
Ion Ratio Lower Upper

164 100

129 96.7 65.5 121.7

131 93.0 63.9 118.7

166 126.9 87.9 163.3

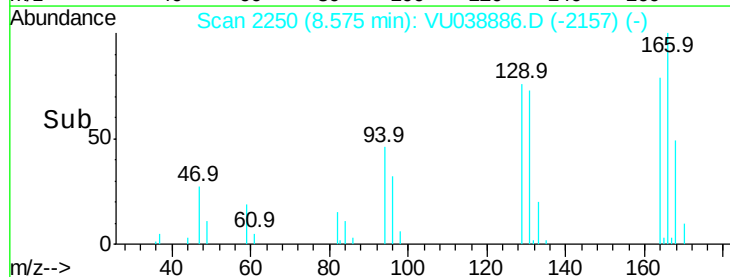
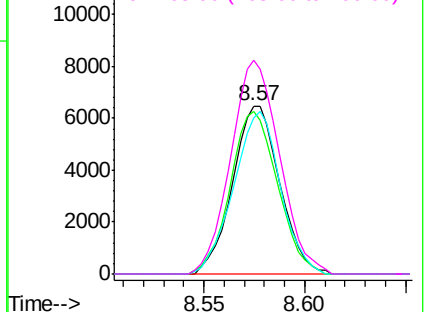


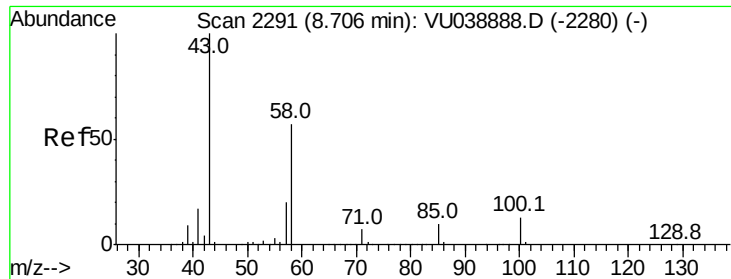
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

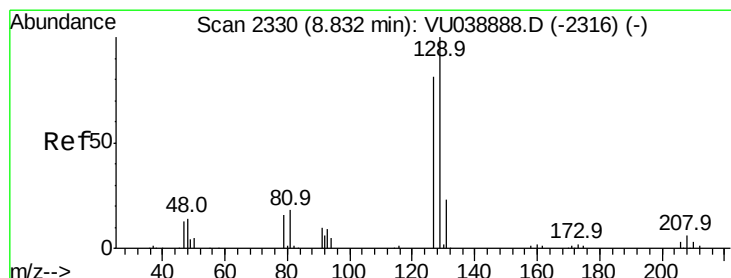
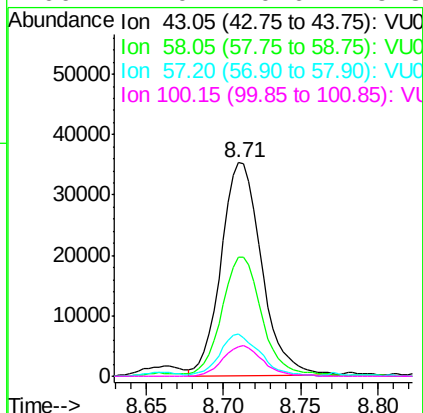
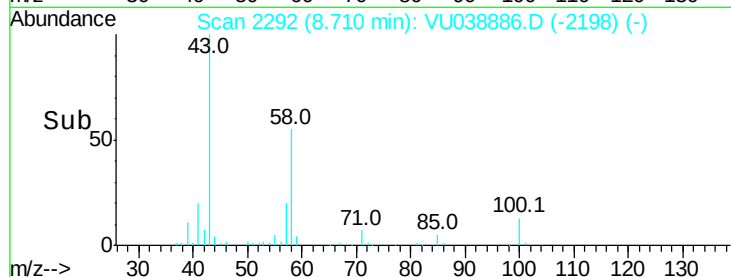
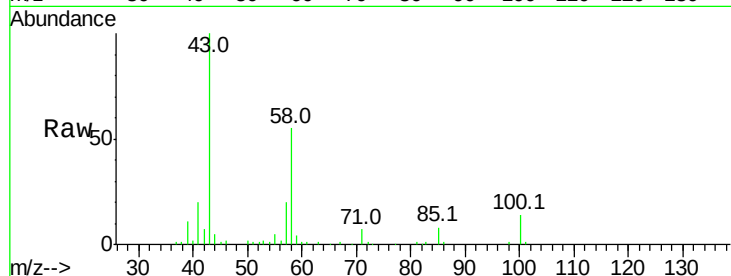




#48
2-Hexanone
Concen: 4.920 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU038886.D
Acq: 15 Jun 2020 12:12

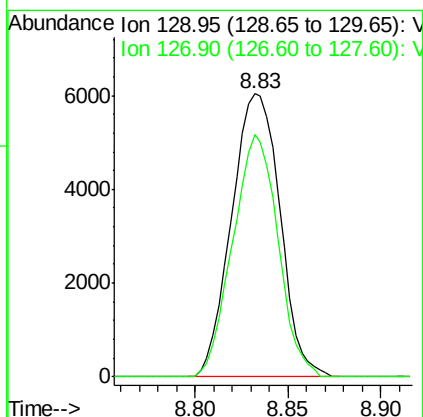
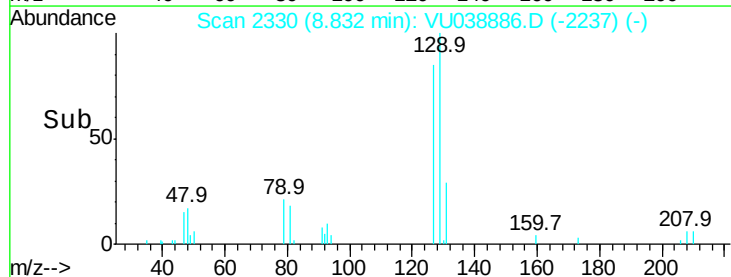
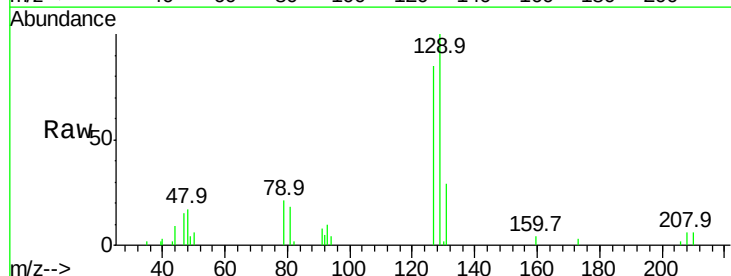
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.503

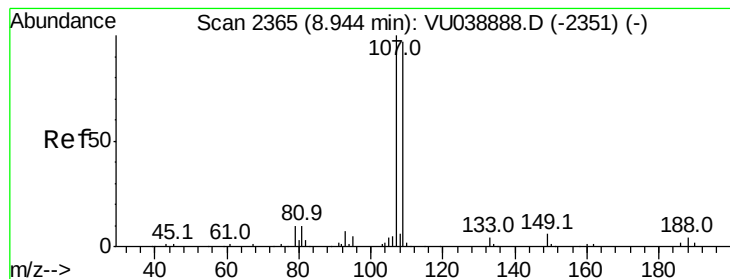
Tgt Ion: 43 Resp: 63617
Ion Ratio Lower Upper
43 100
58 55.6 45.4 68.2
57 19.3 16.4 24.6
100 14.0 10.6 15.8



#49
Dibromochloromethane
Concen: 0.514 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU038886.D
Acq: 15 Jun 2020 12:12

Tgt Ion: 129 Resp: 10998
Ion Ratio Lower Upper
129 100
127 85.5 56.7 105.3





#50

1,2-Dibromoethane

Concen: 0.509 ug/L

RT: 8.95 min Scan# 2366

Delta R.T. 0.00 min

Lab File: VU038886.D

Acq: 15 Jun 2020 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

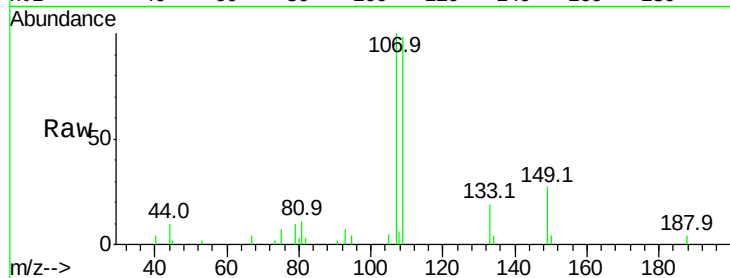
Tgt Ion:107 Resp: 9530

Ion Ratio Lower Upper

107 100

109 98.3 67.5 125.4

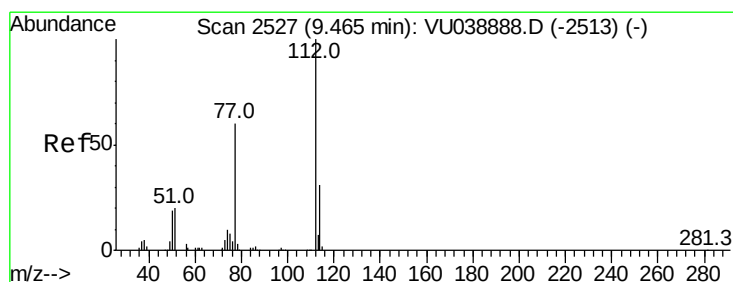
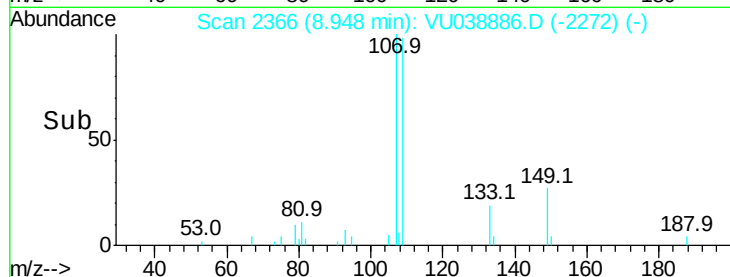
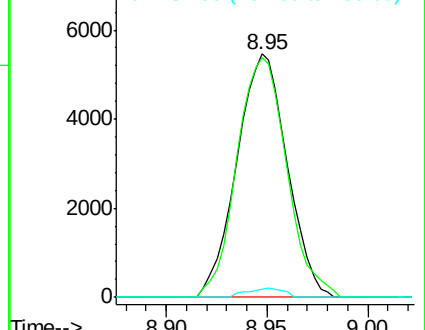
188 3.5 2.9 4.3



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 0.532 ug/L

RT: 9.47 min Scan# 2528

Delta R.T. 0.00 min

Lab File: VU038886.D

Acq: 15 Jun 2020 12:12

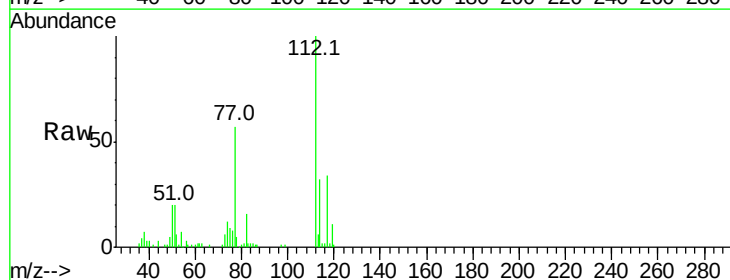
Tgt Ion:112 Resp: 36136

Ion Ratio Lower Upper

112 100

114 31.6 21.8 40.4

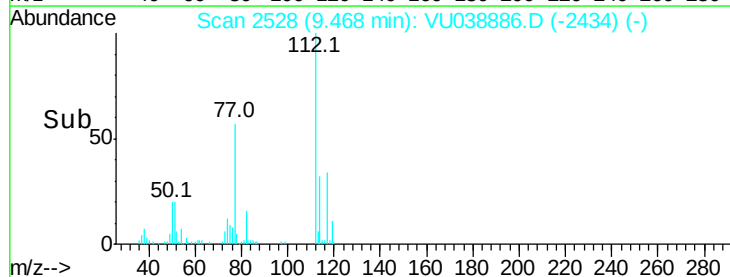
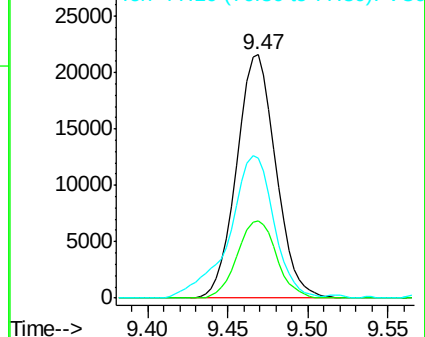
77 57.4 48.3 72.5

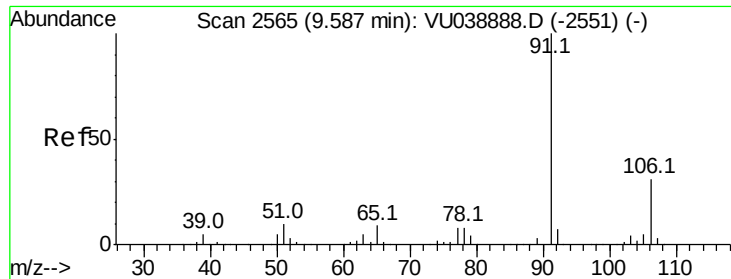


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0





#52

Ethylbenzene

Concen: 0.459 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU038886.D

Acq: 15 Jun 2020 12:12

Instrument :

MSVOA_U

ClientSampleId :

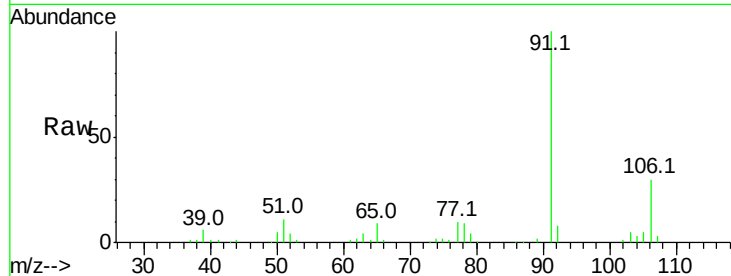
VSTD0.503

Tgt Ion: 91 Resp: 53342

Ion Ratio Lower Upper

91 100

106 30.3 22.0 40.8

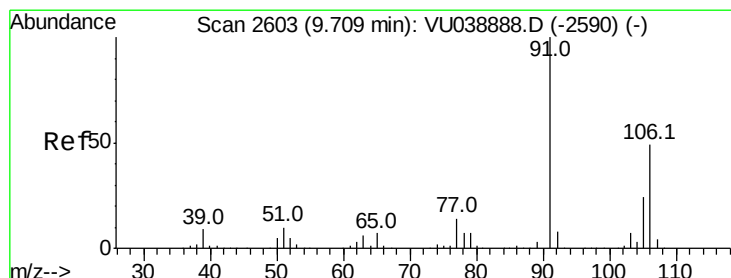
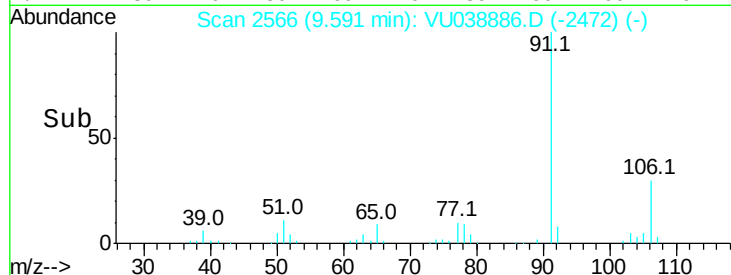


Abundance Ion 91.15 (90.85 to 91.85): VU038888.D (-2551) (-)

Ion 106.15 (105.85 to 106.85): VU038888.D (-2551) (-)

9.59

Time-->



#53

m,p-Xylene

Concen: 0.458 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU038886.D

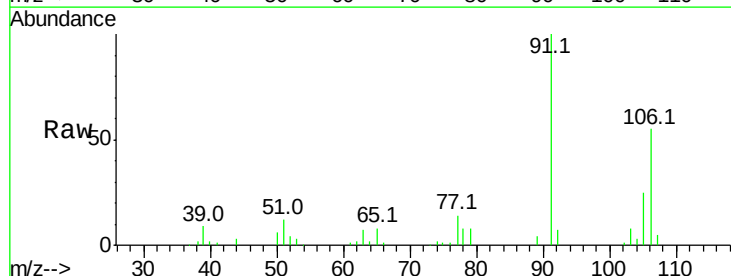
Acq: 15 Jun 2020 12:12

Tgt Ion: 106 Resp: 20113

Ion Ratio Lower Upper

106 100

91 182.9 143.1 265.7

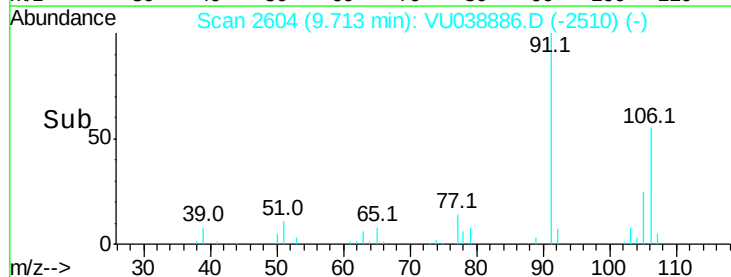


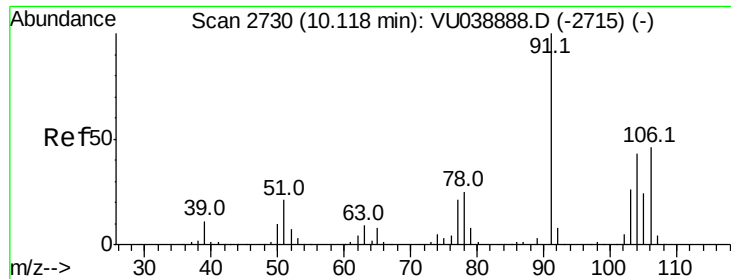
Abundance Ion 106.15 (105.85 to 106.85): VU038888.D (-2590) (-)

Ion 91.15 (90.85 to 91.85): VU038888.D (-2590) (-)

9.71

Time-->

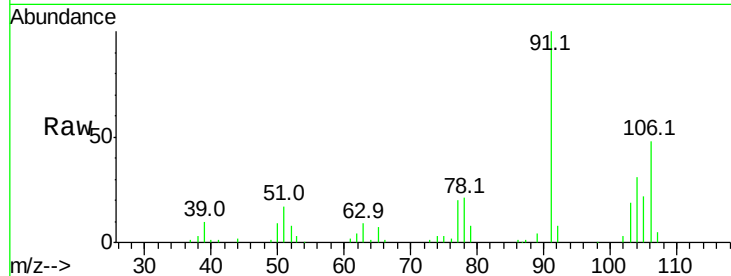




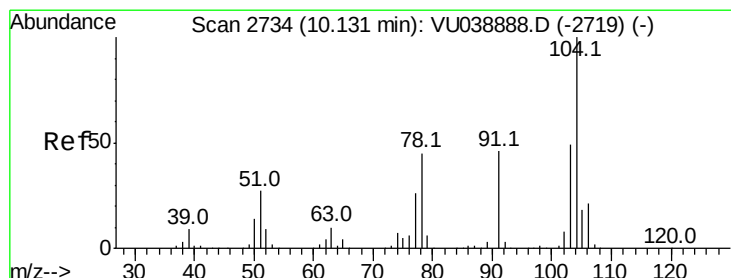
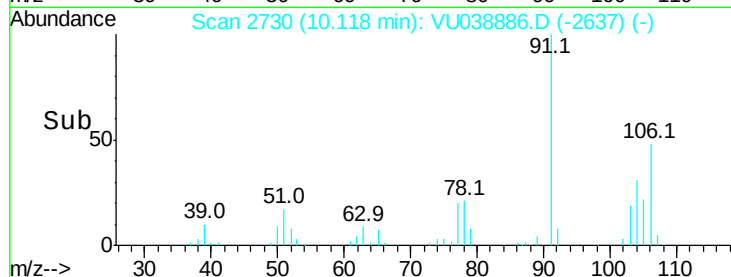
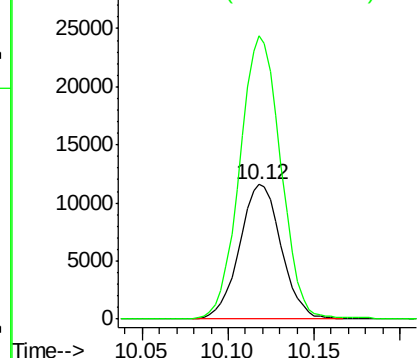
#54
o-Xylene
Concen: 0.464 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU038886.D
Acq: 15 Jun 2020 12:12

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.503

Tgt Ion:106 Resp: 19539
Ion Ratio Lower Upper
106 100
91 210.1 152.0 282.4

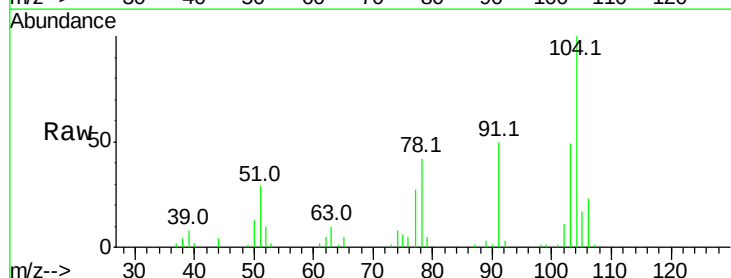


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

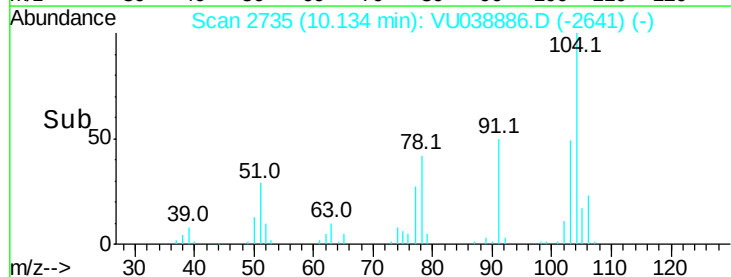
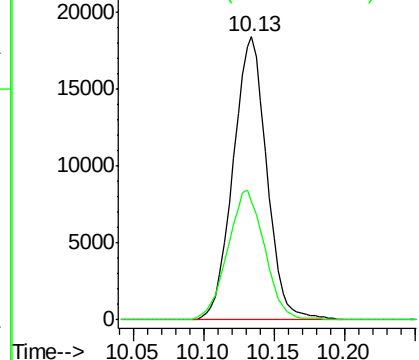


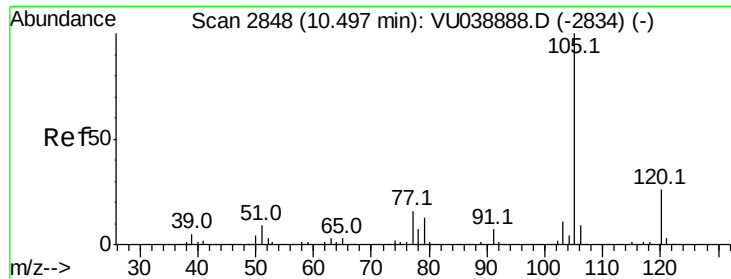
#55
Styrene
Concen: 0.424 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU038886.D
Acq: 15 Jun 2020 12:12

Tgt Ion:104 Resp: 30740
Ion Ratio Lower Upper
104 100
78 42.0 31.8 59.0



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 0.437 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU038886.D

Acq: 15 Jun 2020 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

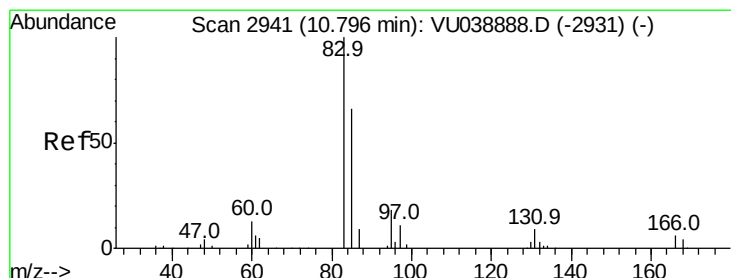
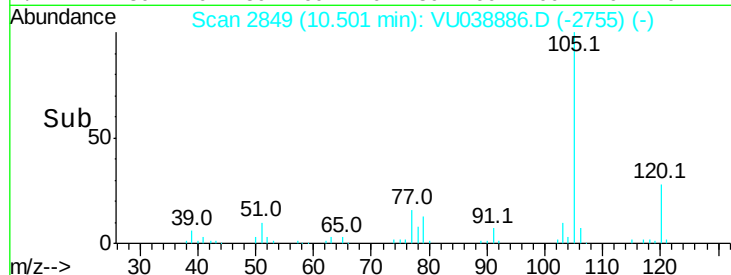
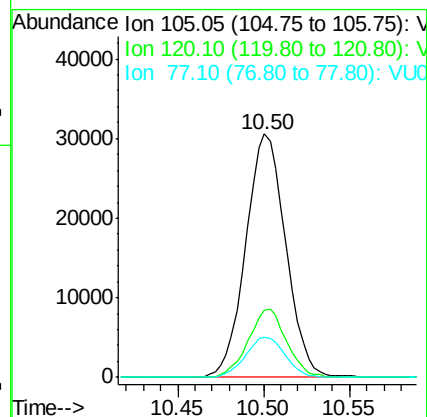
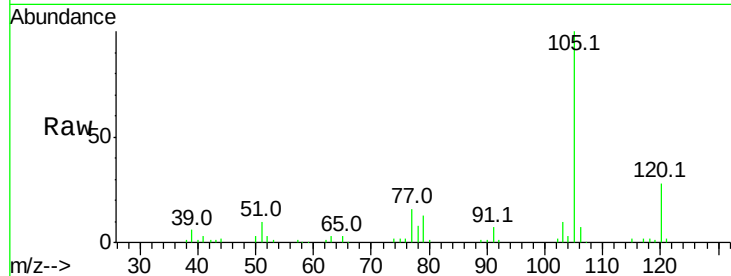
Tgt Ion:105 Resp: 49229

Ion Ratio Lower Upper

105 100

120 26.8 20.6 30.8

77 16.2 12.6 19.0



#58

1,1,2,2-Tetrachloroethane

Concen: 0.517 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU038886.D

Acq: 15 Jun 2020 12:12

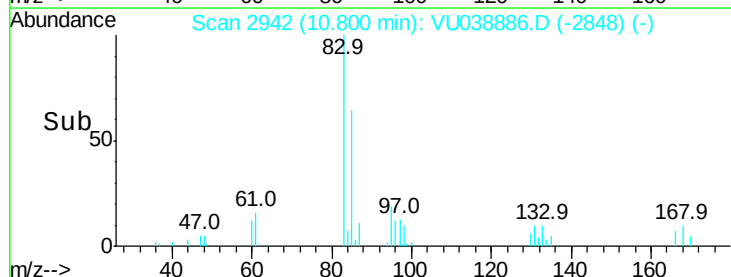
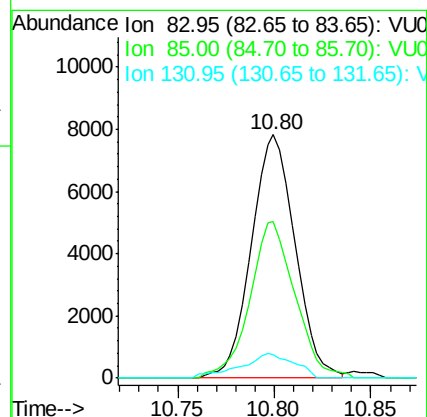
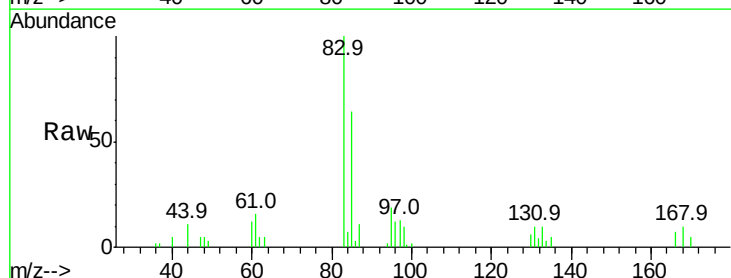
Tgt Ion: 83 Resp: 12335

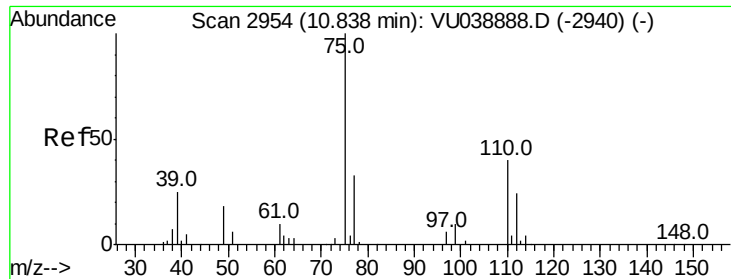
Ion Ratio Lower Upper

83 100

85 64.1 46.3 85.9

131 9.6 8.3 12.5





#59

1,2,3-Trichloropropane

Concen: 0.542 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU038886.D

Acq: 15 Jun 2020 12:12

Instrument :

MSVOA_U

ClientSampleId :

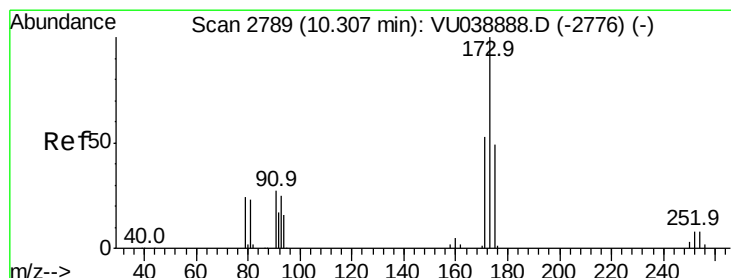
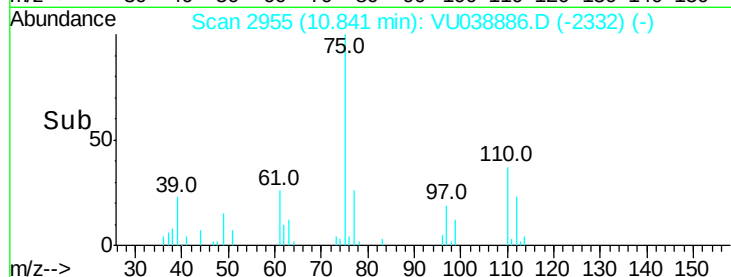
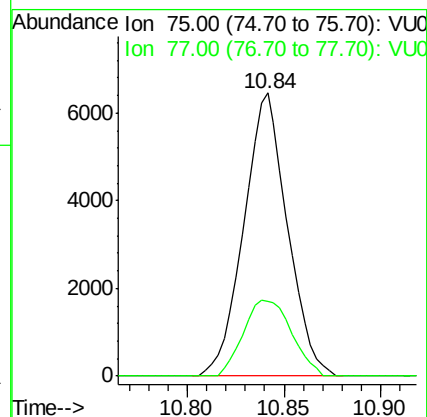
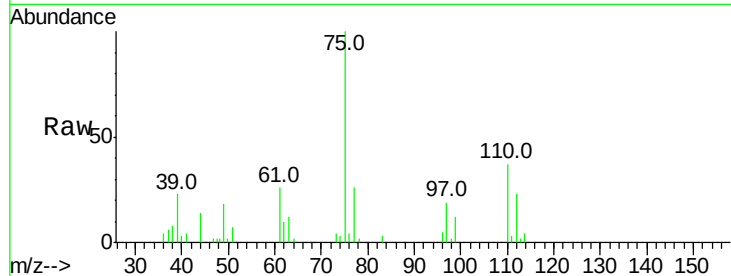
VSTD0.503

Tgt Ion: 75 Resp: 10122

Ion Ratio Lower Upper

75 100

77 29.7 25.9 38.9



#61

Bromoform

Concen: 0.548 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU038886.D

Acq: 15 Jun 2020 12:12

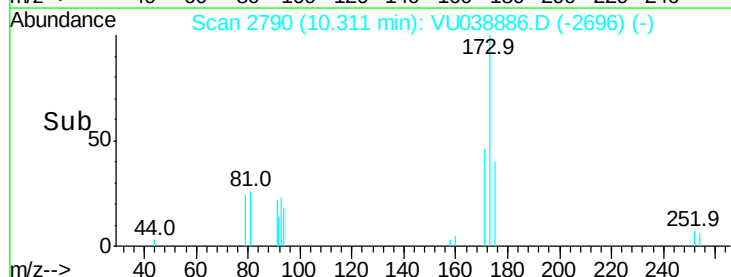
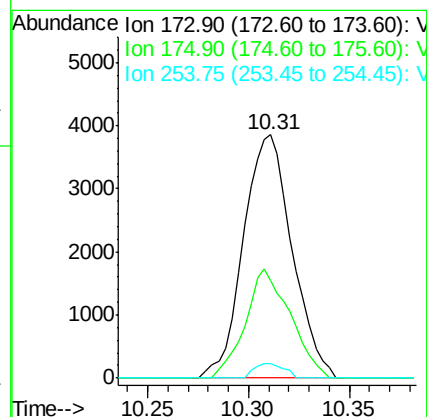
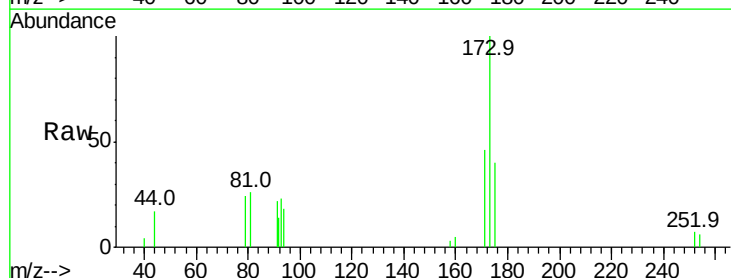
Tgt Ion: 173 Resp: 6503

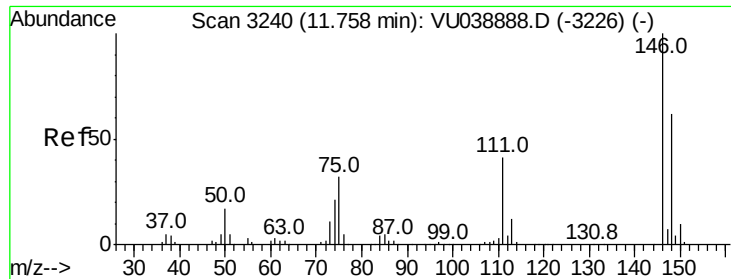
Ion Ratio Lower Upper

173 100

175 41.5 39.0 58.4

254 3.6 6.0 9.0#





#62

1,3-Dichlorobenzene

Concen: 0.515 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VU038886.D

Acq: 15 Jun 2020 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

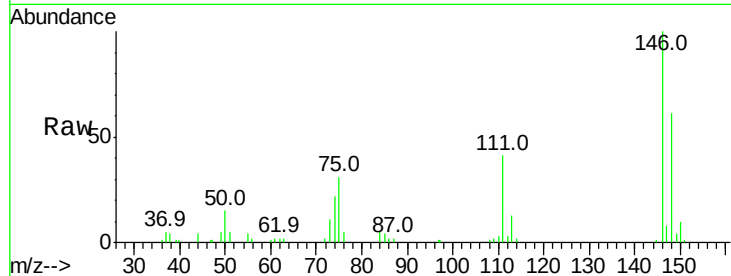
Tgt Ion:146 Resp: 27416

Ion Ratio Lower Upper

146 100

111 41.3 29.0 53.8

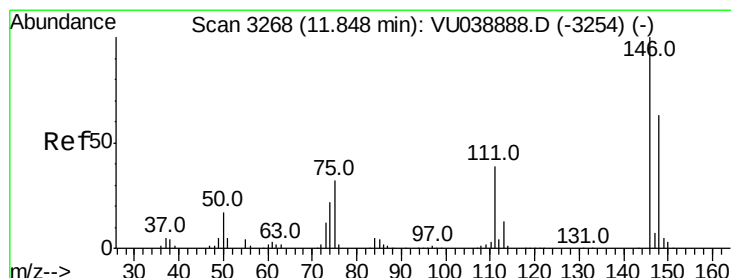
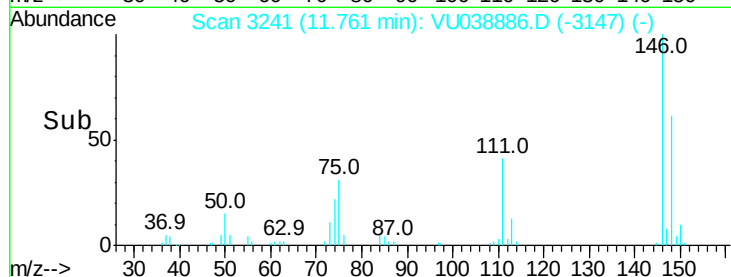
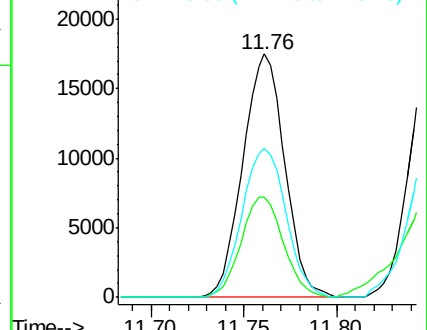
148 61.0 43.7 81.1



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.520 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU038886.D

Acq: 15 Jun 2020 12:12

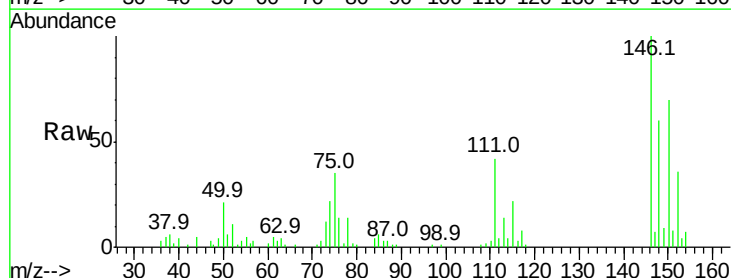
Tgt Ion:146 Resp: 28206

Ion Ratio Lower Upper

146 100

111 41.6 27.7 51.5

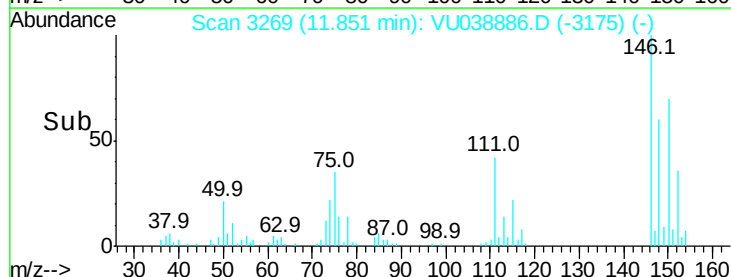
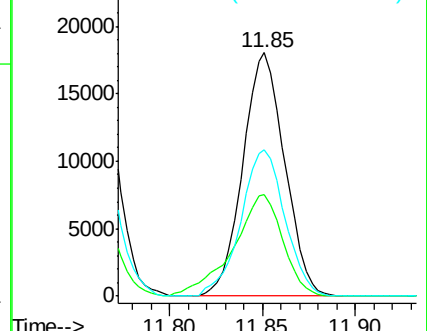
148 60.2 44.1 81.9

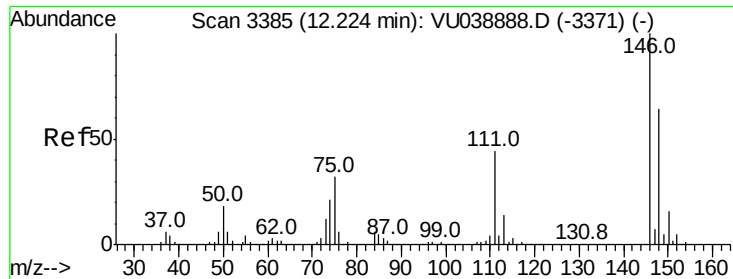


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

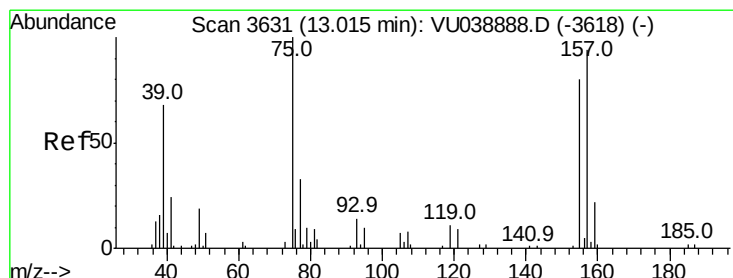
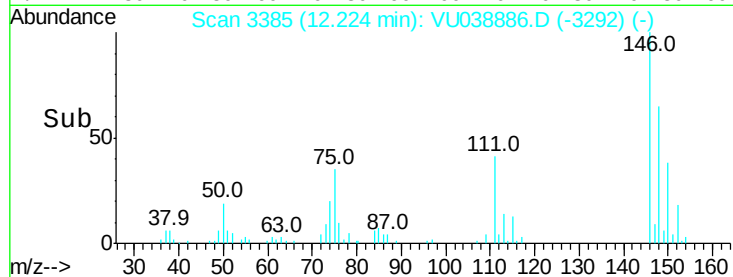
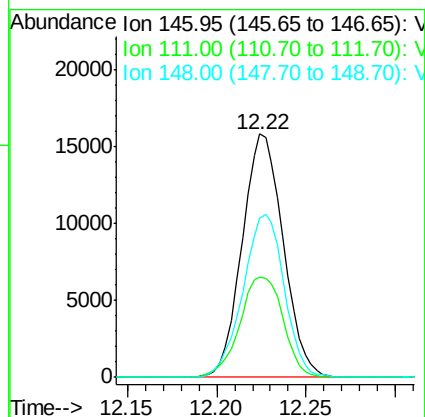
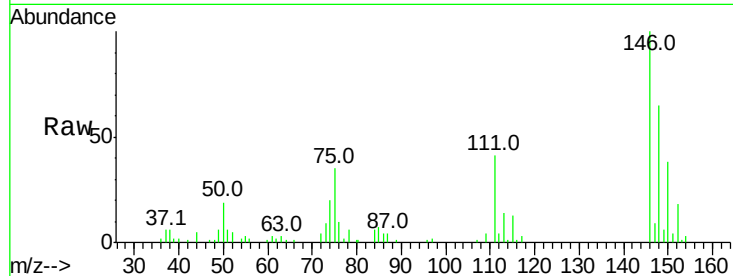




#65
 1,2-Dichlorobenzene
 Concen: 0.507 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. 0.00 min
 Lab File: VU038886.D
 Acq: 15 Jun 2020 12:12

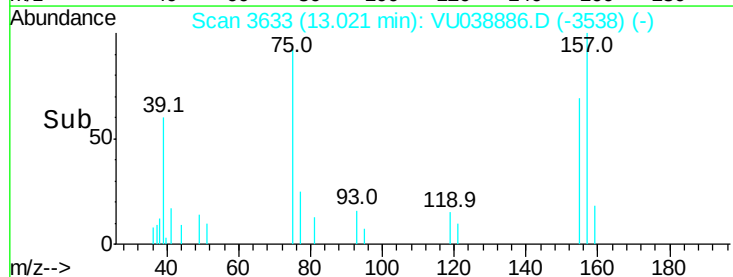
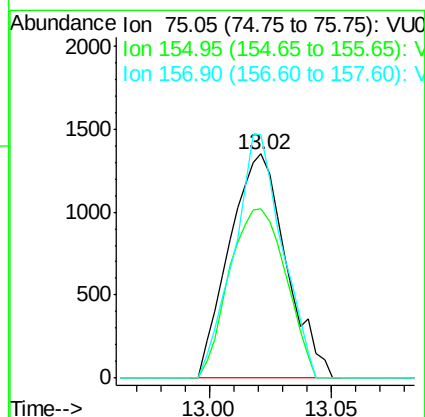
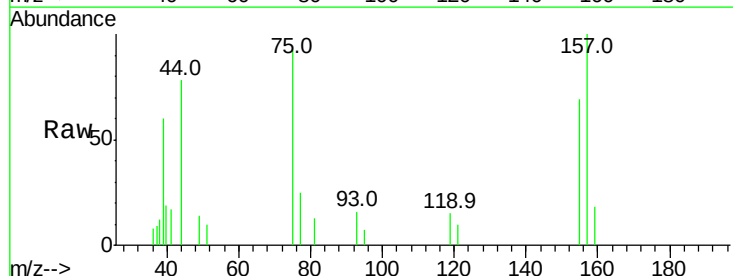
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

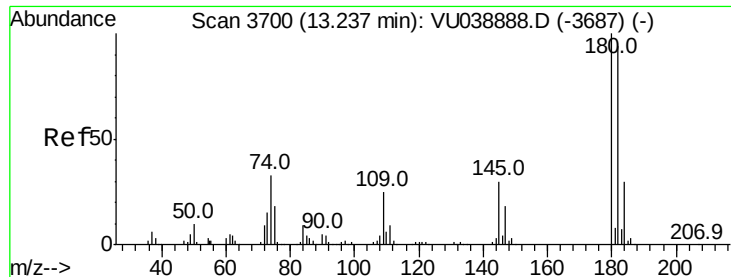
Tgt Ion: 146 Resp: 25371
 Ion Ratio Lower Upper
 146 100
 111 41.1 35.1 52.7
 148 65.2 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.536 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. 0.01 min
 Lab File: VU038886.D
 Acq: 15 Jun 2020 12:12

Tgt Ion: 75 Resp: 2175
 Ion Ratio Lower Upper
 75 100
 155 75.4 64.0 96.0
 157 108.6 75.4 113.2

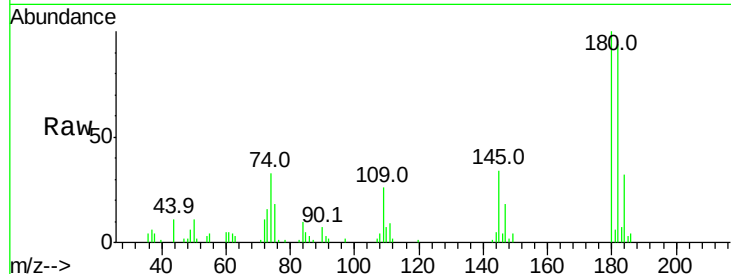




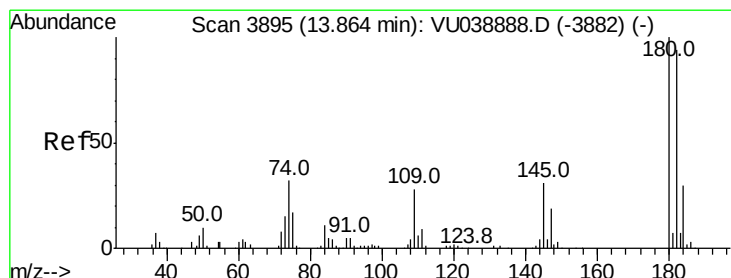
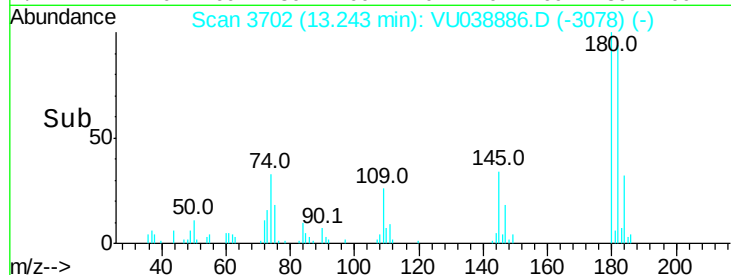
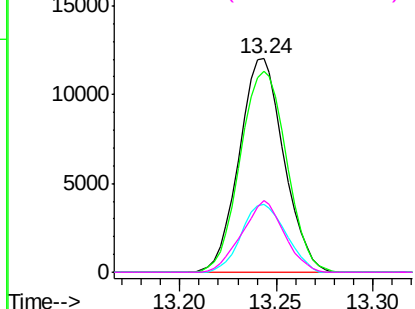
#67
 1,3,5-Trichlorobenzene
 Concen: 0.496 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.01 min
 Lab File: VU038886.D
 Acq: 15 Jun 2020 12:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

Tgt Ion:180 Resp: 19336
 Ion Ratio Lower Upper
 180 100
 182 97.4 75.8 113.6
 184 31.7 24.6 36.8
 145 31.8 25.0 37.6

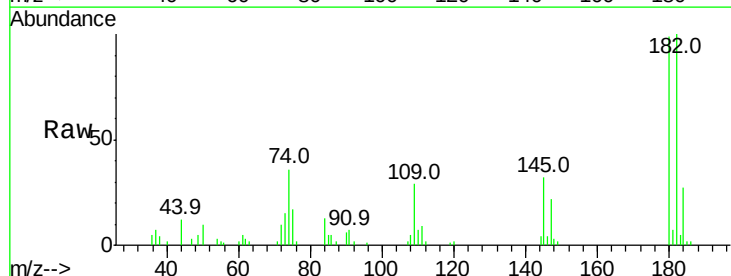


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

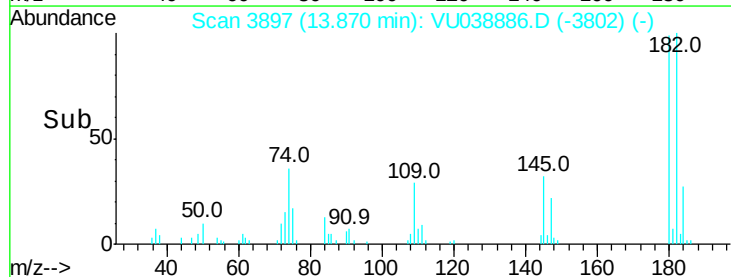
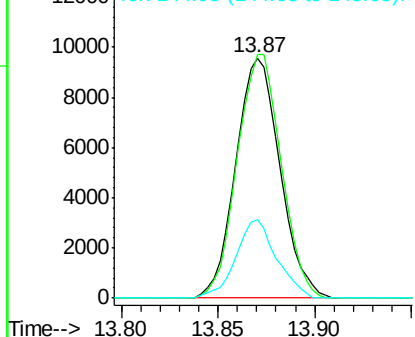


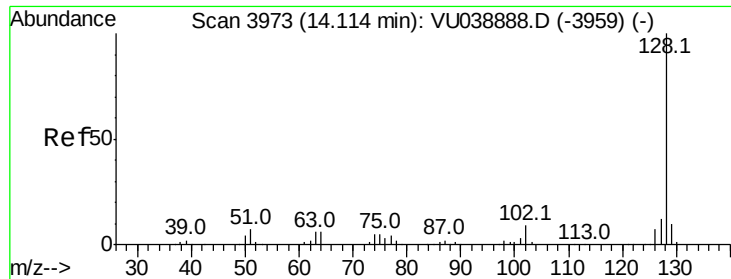
#68
 1,2,4-trichlorobenzene
 Concen: 0.442 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. 0.01 min
 Lab File: VU038886.D
 Acq: 15 Jun 2020 12:12

Tgt Ion:180 Resp: 15231
 Ion Ratio Lower Upper
 180 100
 182 100.7 75.9 113.9
 145 30.0 24.7 37.1



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.381 ug/L

RT: 14.12 min Scan# 3975

Delta R.T. 0.01 min

Lab File: VU038886.D

Acq: 15 Jun 2020 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

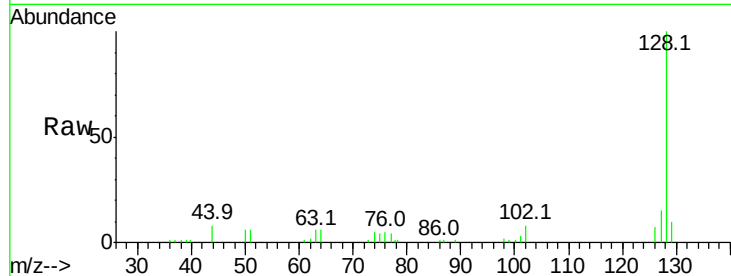
Tgt Ion:128 Resp: 24949

Ion Ratio Lower Upper

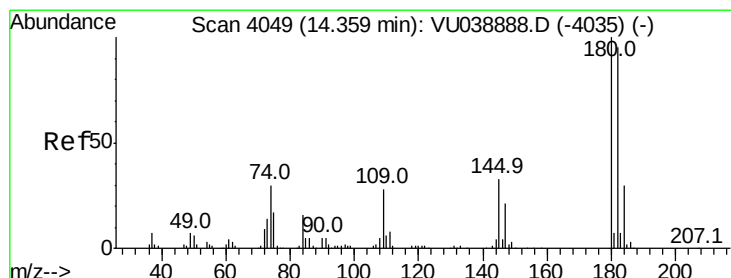
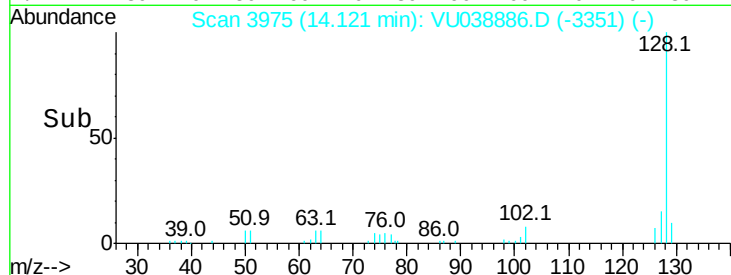
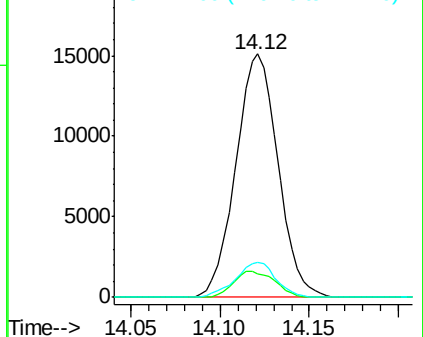
128 100

129 10.4 8.2 12.4

127 13.9 10.1 15.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.454 ug/L

RT: 14.37 min Scan# 4051

Delta R.T. 0.01 min

Lab File: VU038886.D

Acq: 15 Jun 2020 12:12

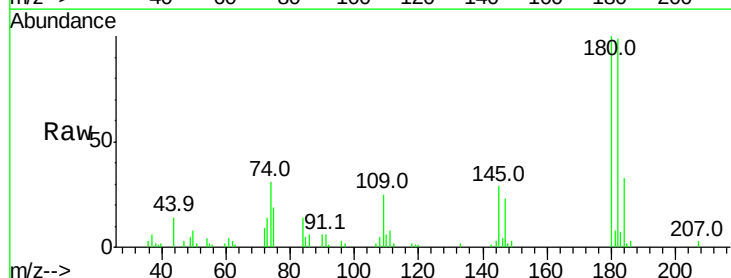
Tgt Ion:180 Resp: 14319

Ion Ratio Lower Upper

180 100

182 92.1 75.1 112.7

145 28.0 26.8 40.2



Abundance Ion 179.90 (179.60 to 180.60): V
Ion 181.90 (181.60 to 182.60): V
Ion 144.95 (144.65 to 145.65): V

