

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU083120\
 Data File : VU040000.D
 Acq On : 31 Aug 2020 11:01
 Operator : SY/MD
 Sample : VSTD01006
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01006

Quant Time: Aug 31 17:59:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Aug 31 17:55:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	126778	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	122982	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	58705	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	66284	6.38	ug/L	0.00
7) Chloroethane-d5	1.92	69	54940	6.40	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	173703	8.28	ug/L	0.00
20) 2-Butanone-d5	4.65	46	270007	78.00	ug/L	0.00
24) Chloroform-d	5.09	84	156456	8.05	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	92835	7.89	ug/L	0.00
32) Benzene-d6	5.74	84	285161	7.96	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	92768	7.83	ug/L	0.00
41) Toluene-d8	7.91	98	255928	8.23	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	41691	8.32	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	208483	82.85	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	78778	7.52	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	92147	8.26	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	121344	9.228 ug/L	100
3) Chloromethane	1.53	50	112979	7.797 ug/L	100
5) Vinyl chloride	1.61	62	115759	8.470 ug/L	98
6) Bromomethane	1.87	94	58974	7.601 ug/L	95
8) Chloroethane	1.94	64	66631	7.539 ug/L	96
9) Trichlorofluoromethane	2.15	101	169072	8.229 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	105985	9.246 ug/L	99
12) 1,1-Dichloroethene	2.59	96	95796	8.765 ug/L	96
13) Acetone	2.66	43	236123	93.713 ug/L	99
14) Carbon disulfide	2.81	76	297529	8.472 ug/L	100
15) Methyl Acetate	2.97	43	58199	9.289 ug/L	96
16) Methylene chloride	3.06	84	110002	7.309 ug/L	94
17) Methyl tert-butyl Ether	3.38	73	283322	9.985 ug/L	100
18) trans-1,2-Dichloroethene	3.37	96	98792	8.701 ug/L	96
19) 1,1-Dichloroethane	3.89	63	205411	9.568 ug/L	99
21) 2-Butanone	4.73	43	403487	94.214 ug/L	100
22) cis-1,2-Dichloroethene	4.69	96	110178	9.210 ug/L	98
23) Bromochloromethane	5.00	128	49047	8.803 ug/L	97
25) Chloroform	5.11	83	211190	9.613 ug/L	98
27) 1,2-Dichloroethane	5.81	62	153585	9.862 ug/L	99
29) 1,1,1-Trichloroethane	5.33	97	184411	9.965 ug/L	99
30) Cyclohexane	5.41	56	185903	10.236 ug/L	98
31) Carbon tetrachloride	5.54	117	156574	9.652 ug/L	99
33) Benzene	5.79	78	425034	9.469 ug/L	100
34) Trichloroethene	6.56	95	111702	9.516 ug/L	95
35) Methylcyclohexane	6.77	83	179329	10.031 ug/L	97
37) 1,2-Dichloropropane	6.80	63	115522	9.580 ug/L	100
38) Bromodichloromethane	7.12	83	156313	10.131 ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	173786	10.218 ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	958413	99.083 ug/L	100

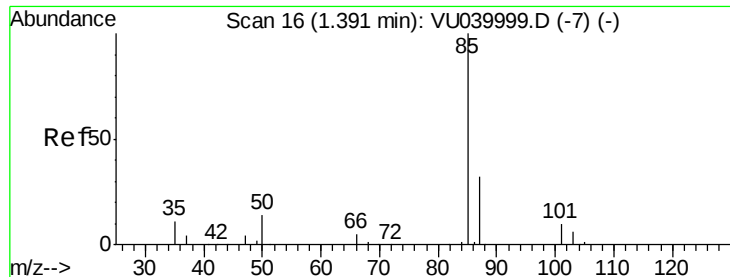
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	446959	9.716	ug/L	100
44) trans-1,3-Dichloropropene	8.22	75	162525	10.117	ug/L	96
45) 1,1,2-Trichloroethane	8.41	97	81716	8.985	ug/L	97
47) Tetrachloroethene	8.56	164	74632	8.832	ug/L	99
48) 2-Hexanone	8.69	43	696901	99.960	ug/L	99
49) Dibromochloromethane	8.82	129	99989	9.258	ug/L	100
50) 1,2-Dibromoethane	8.93	107	79401	9.170	ug/L	95
51) Chlorobenzene	9.45	112	271745	9.146	ug/L	99
52) Ethylbenzene	9.57	91	514123	10.184	ug/L	98
53) m,p-Xylene	9.69	106	184482	9.682	ug/L	100
54) o-Xylene	10.10	106	179366	9.919	ug/L	99
55) Styrene	10.11	104	314232	10.045	ug/L	99
56) Isopropylbenzene	10.48	105	491308	10.093	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.78	83	104446	8.980	ug/L	98
59) 1,2,3-Trichloropropane	10.82	75	82651	9.476	ug/L	97
61) Bromoform	10.29	173	51746	9.936	ug/L	97
62) 1,3-Dichlorobenzene	11.74	146	212674	9.825	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	212789	9.639	ug/L	99
65) 1,2-Dichlorobenzene	12.20	146	204024	9.718	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	21528	11.802	ug/L	96
67) 1,3,5-Trichlorobenzene	13.21	180	149274	9.315	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	136772	9.958	ug/L	100
69) Naphthalene	14.08	128	287336	10.976	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	121769	9.515	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 9.228 ug/L

RT: 1.39 min Scan# 16

Delta R.T. -0.00 min

Lab File: VU040000.D

Acq: 31 Aug 2020 11:01

Instrument :

MSVOA_U

ClientSampleId :

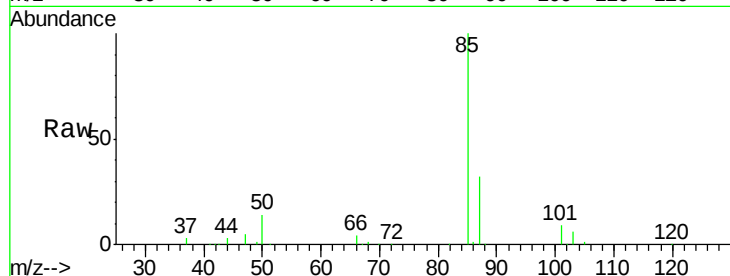
VSTD01006

Tgt Ion: 85 Resp: 121344

Ion Ratio Lower Upper

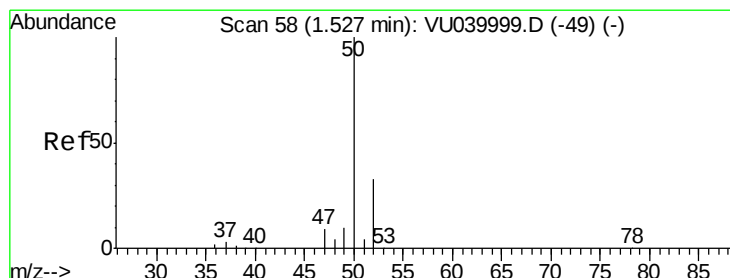
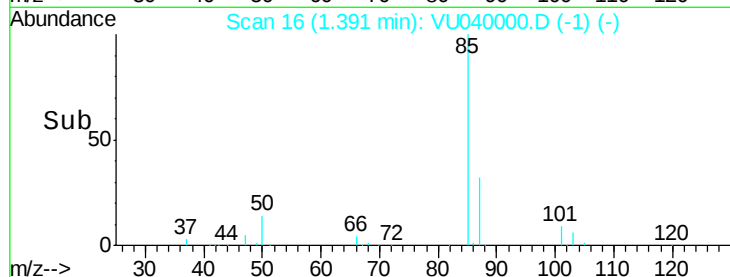
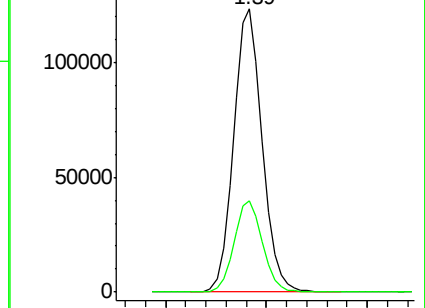
85 100

87 32.2 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 7.797 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040000.D

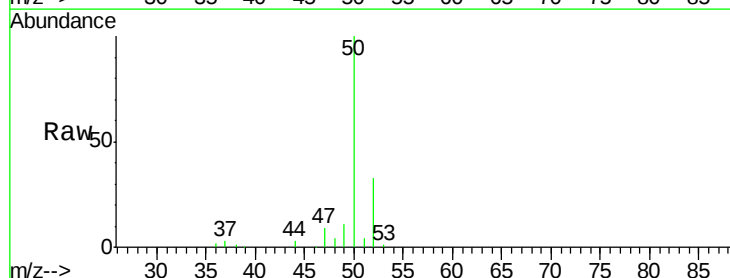
Acq: 31 Aug 2020 11:01

Tgt Ion: 50 Resp: 112979

Ion Ratio Lower Upper

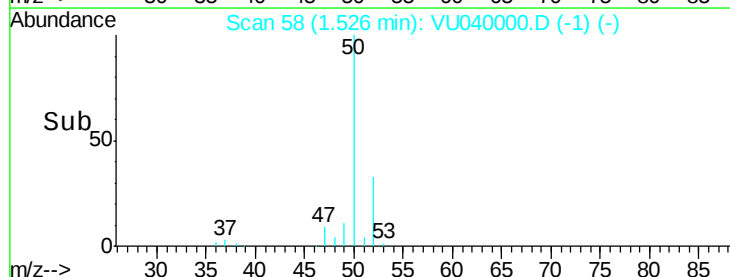
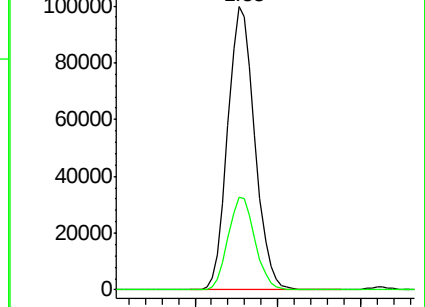
50 100

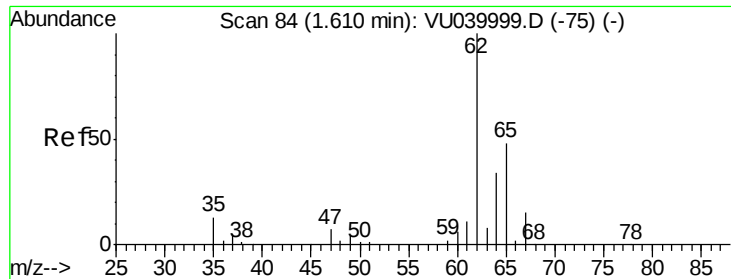
52 32.6 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 8.470 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040000.D

Acq: 31 Aug 2020 11:01

Instrument :

MSVOA_U

ClientSampleId :

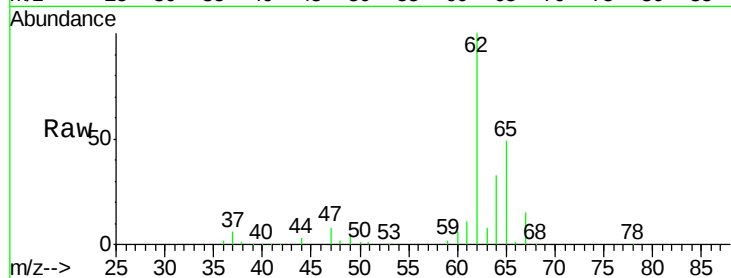
VSTD01006

Tgt Ion: 62 Resp: 115759

Ion Ratio Lower Upper

62 100

64 33.0 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.61

100000

80000

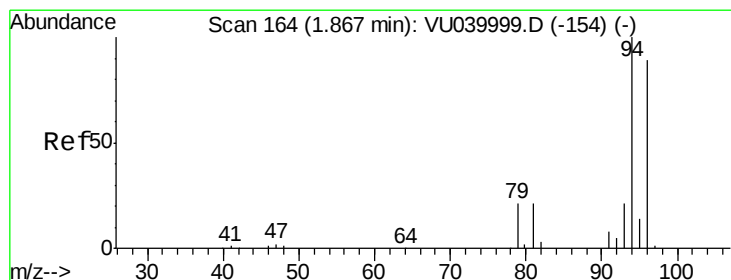
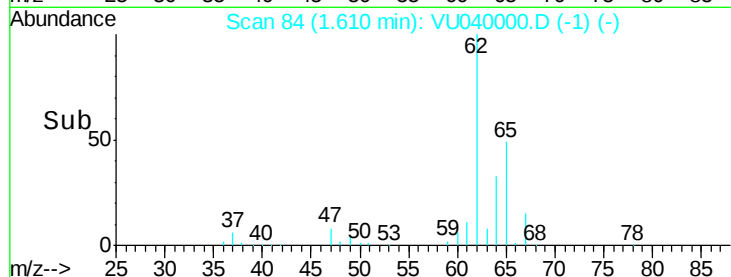
60000

40000

20000

0

Time--> 1.55 1.60 1.65



#6

Bromomethane

Concen: 7.601 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU040000.D

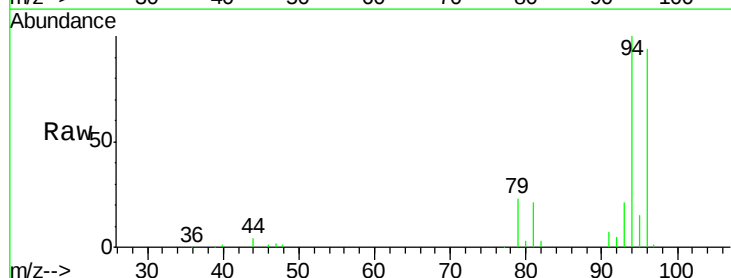
Acq: 31 Aug 2020 11:01

Tgt Ion: 94 Resp: 58974

Ion Ratio Lower Upper

94 100

96 94.1 62.3 115.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.87

50000

40000

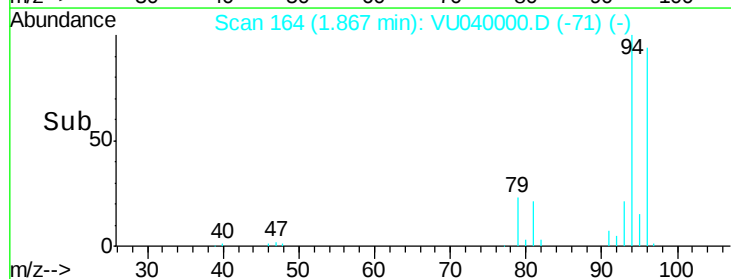
30000

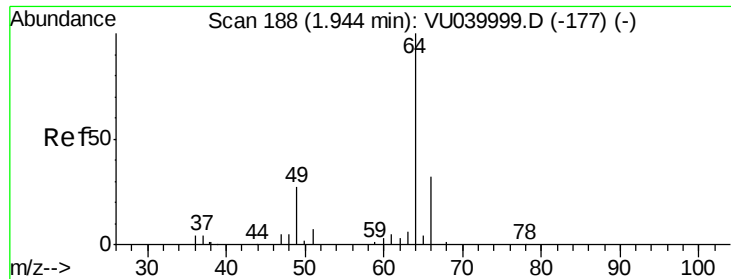
20000

10000

0

Time--> 1.80 1.85 1.90

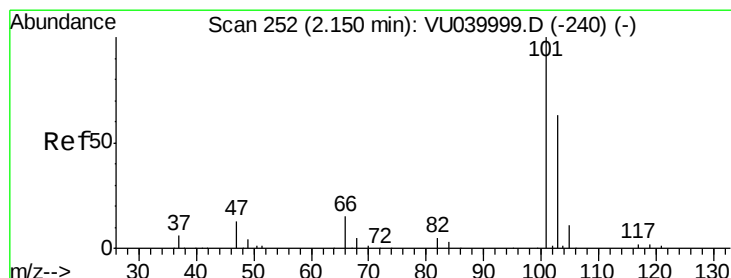
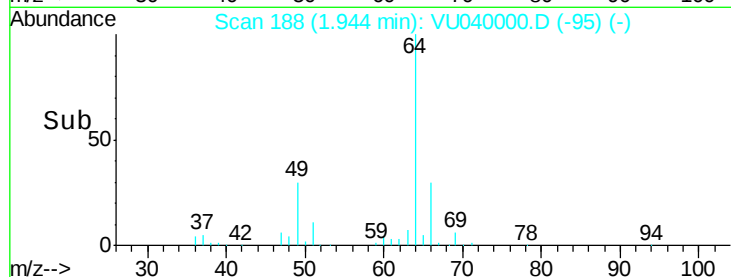
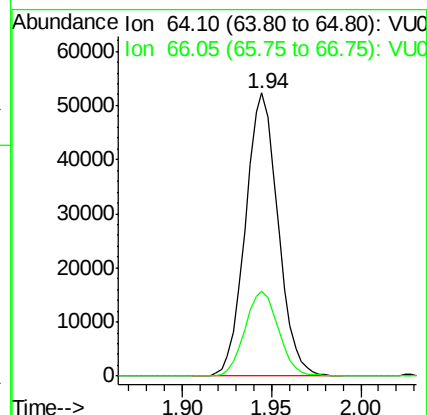
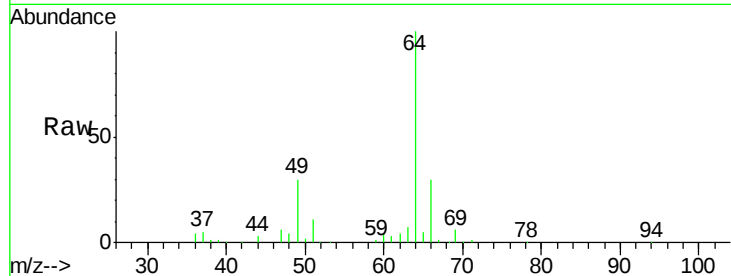




#8
Chloroethane
Concen: 7.539 ug/L
RT: 1.94 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU040000.D
Acq: 31 Aug 2020 11:01

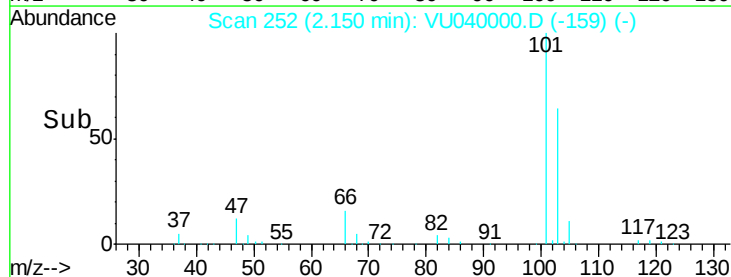
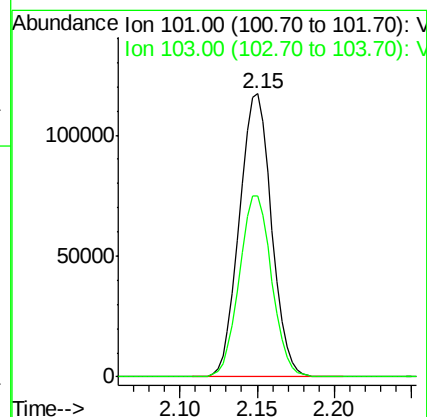
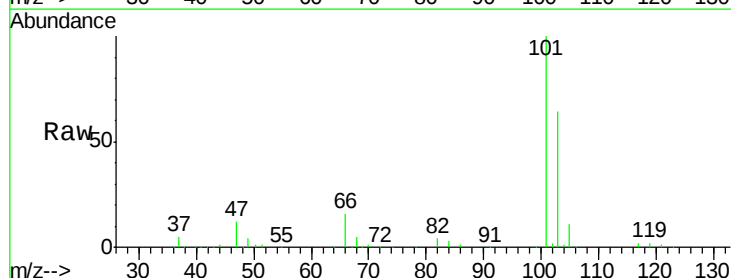
Instrument :
MSVOA_U
ClientSampleId :
VSTD01006

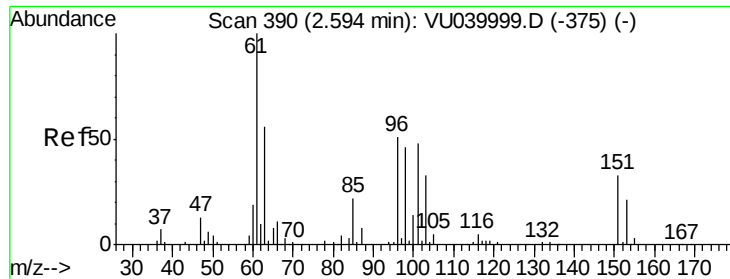
Tgt Ion: 64 Resp: 66631
Ion Ratio Lower Upper
64 100
66 30.1 22.7 42.1



#9
Trichlorofluoromethane
Concen: 8.229 ug/L
RT: 2.15 min Scan# 252
Delta R.T. -0.00 min
Lab File: VU040000.D
Acq: 31 Aug 2020 11:01

Tgt Ion: 101 Resp: 169072
Ion Ratio Lower Upper
101 100
103 64.4 51.3 76.9





#10

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

Concen: 9.246 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040000.D

Acq: 31 Aug 2020 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD01006

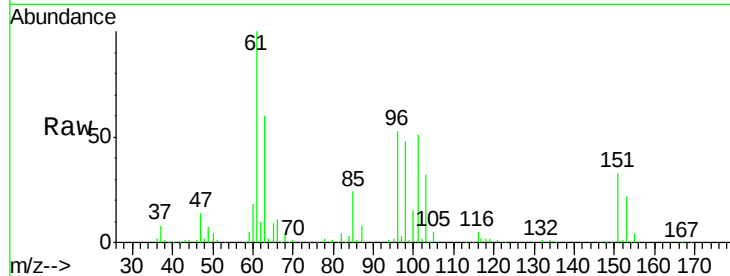
Tgt Ion: 101 Resp: 105985

Ion Ratio Lower Upper

101 100

85 48.2 37.7 56.5

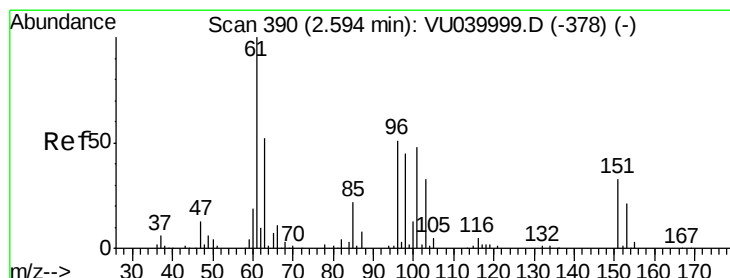
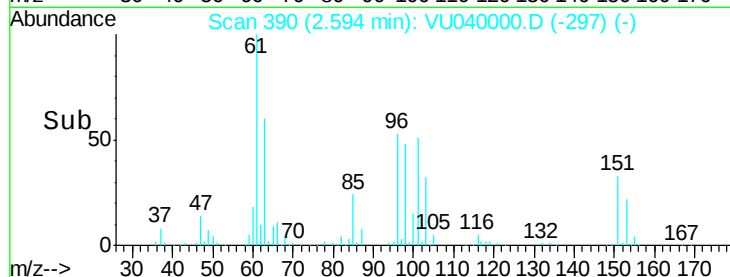
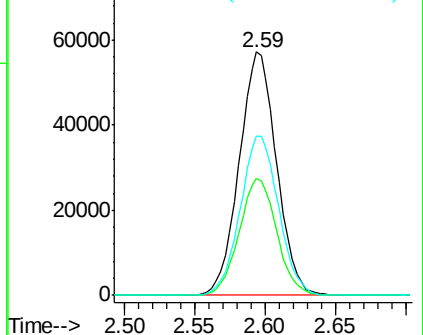
151 67.1 53.9 80.9



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: 8.765 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040000.D

Acq: 31 Aug 2020 11:01

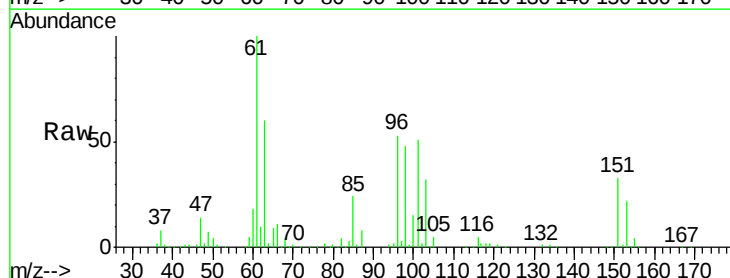
Tgt Ion: 96 Resp: 95796

Ion Ratio Lower Upper

96 100

61 189.4 138.3 256.8

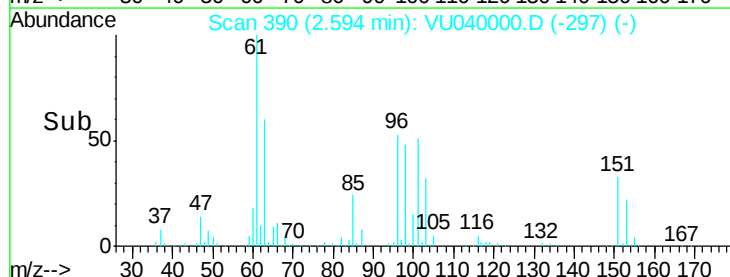
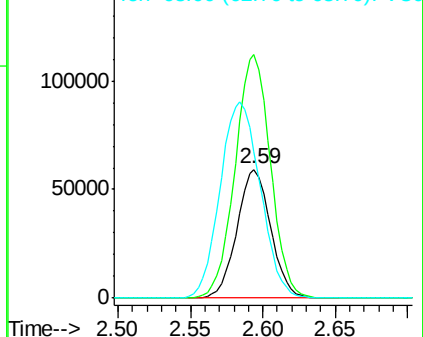
63 113.5 77.6 144.2

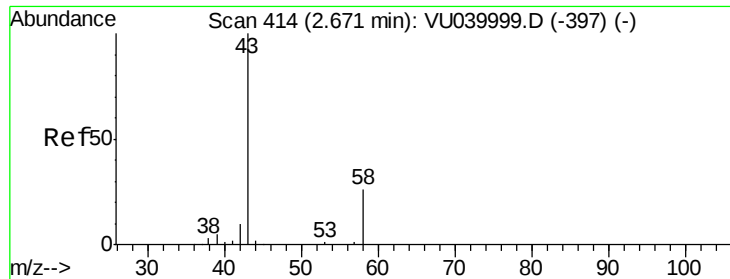


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 93.713 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU040000.D

Acq: 31 Aug 2020 11:01

Instrument :

MSVOA_U

ClientSampleId :

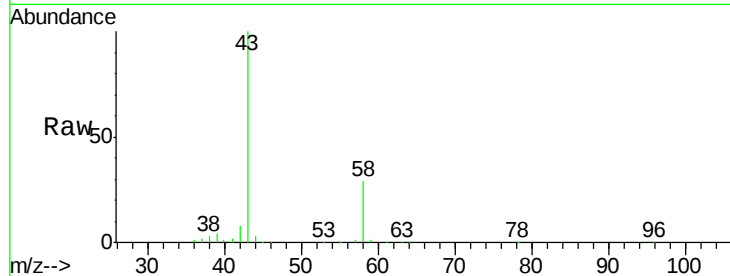
VSTD01006

Tgt Ion: 43 Resp: 236123

Ion Ratio Lower Upper

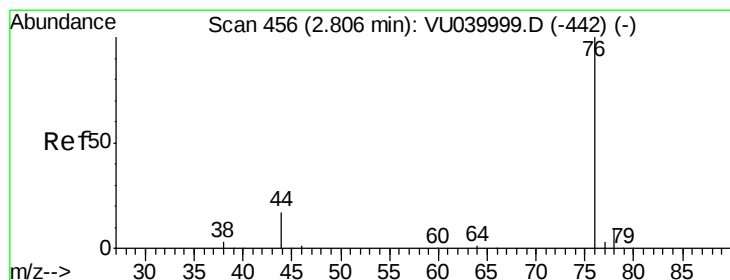
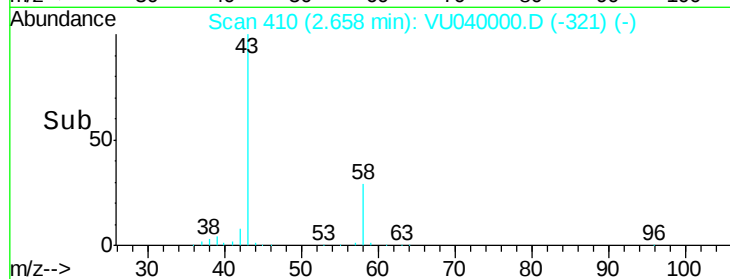
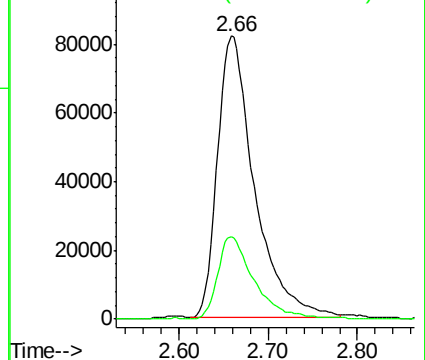
43 100

58 28.3 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 8.472 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU040000.D

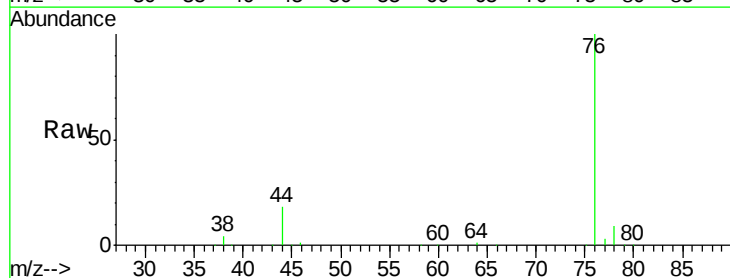
Acq: 31 Aug 2020 11:01

Tgt Ion: 76 Resp: 297529

Ion Ratio Lower Upper

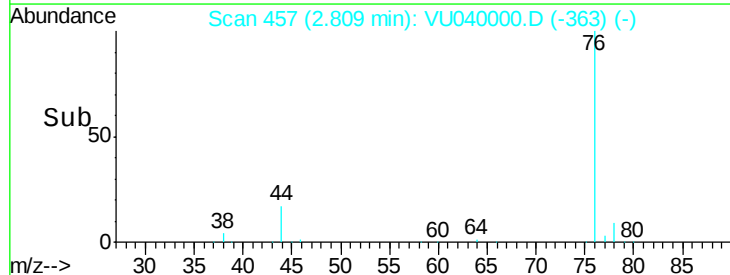
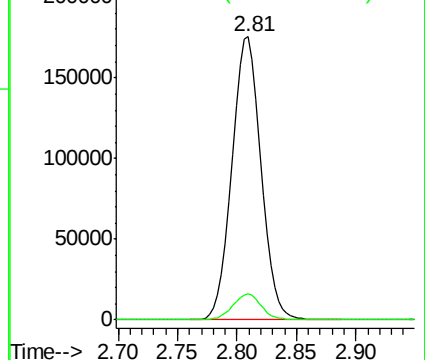
76 100

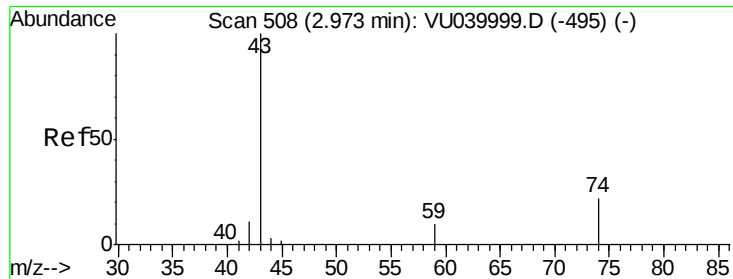
78 9.1 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methyl Acetate

Concen: 9.289 ug/L

RT: 2.97 min Scan# 507

Delta R.T. -0.00 min

Lab File: VU040000.D

Acq: 31 Aug 2020 11:01

Instrument :

MSVOA_U

ClientSampleId :

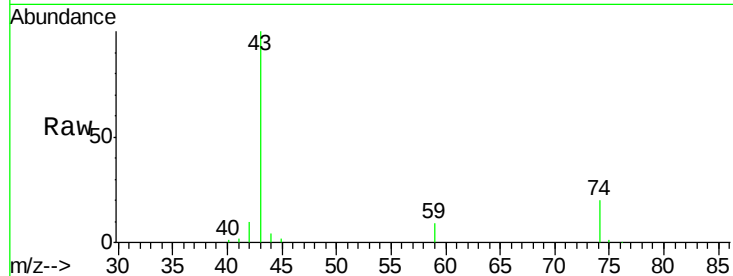
VSTD01006

Tgt Ion: 43 Resp: 58199

Ion Ratio Lower Upper

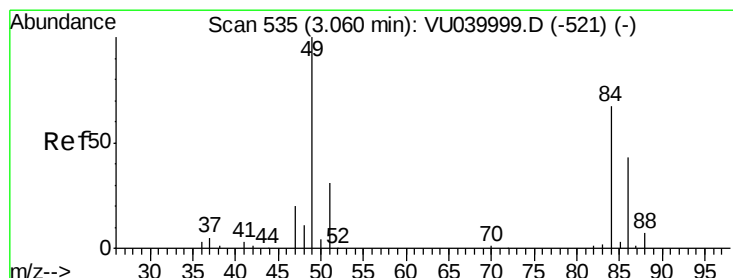
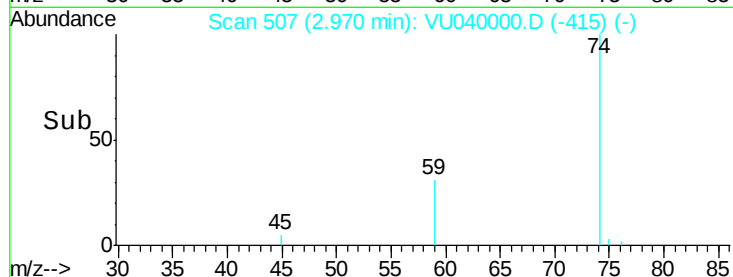
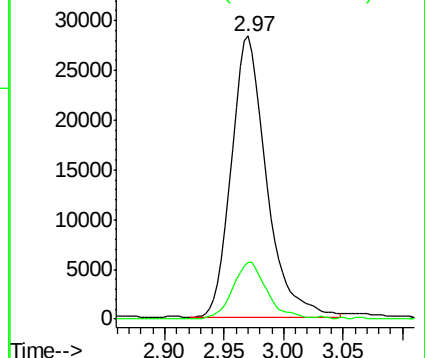
43 100

74 19.7 17.4 26.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 7.309 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU040000.D

Acq: 31 Aug 2020 11:01

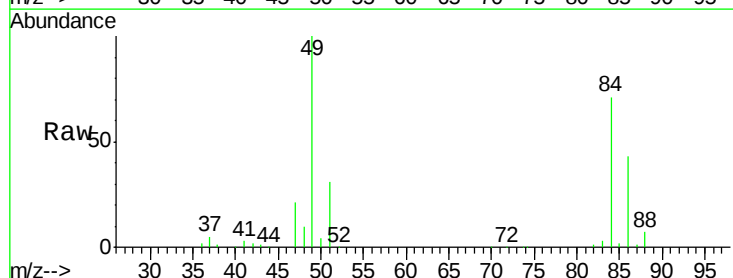
Tgt Ion: 84 Resp: 110002

Ion Ratio Lower Upper

84 100

86 60.6 45.2 84.0

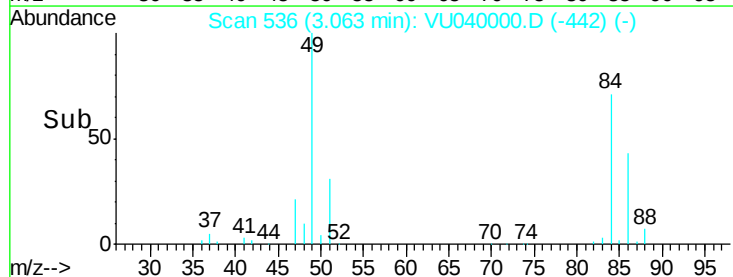
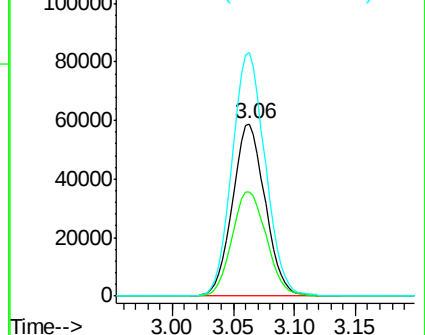
49 141.2 104.0 193.2

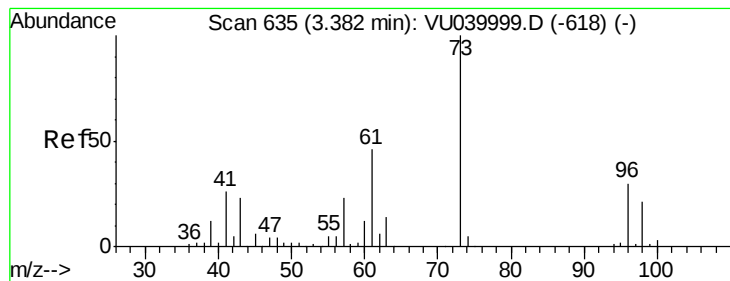


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





#17

Methyl tert-butyl Ether

Concen: 9.985 ug/L

RT: 3.38 min Scan# 635

Delta R.T. -0.00 min

Lab File: VU040000.D

Acq: 31 Aug 2020 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD01006

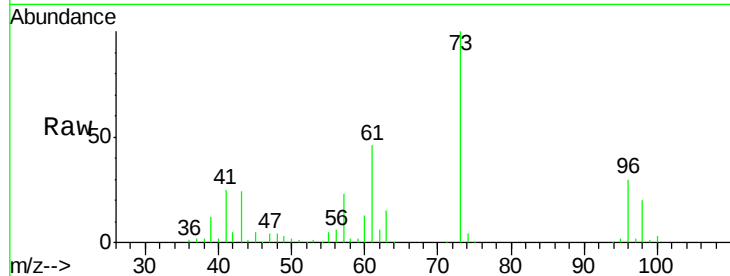
Tgt Ion: 73 Resp: 283322

Ion Ratio Lower Upper

73 100

43 23.7 19.1 28.7

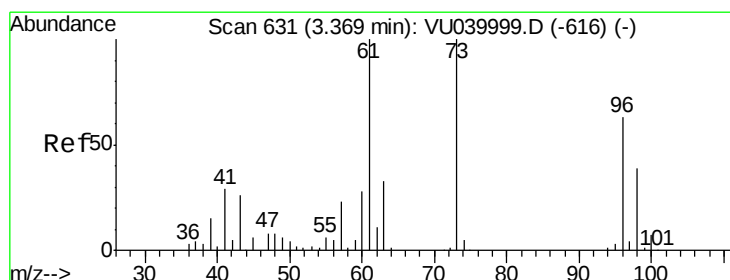
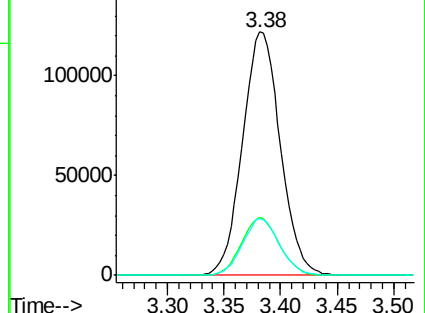
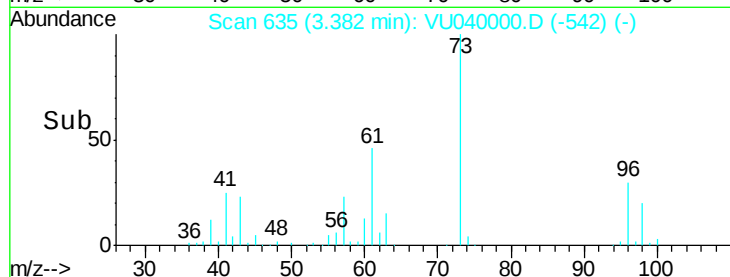
57 23.0 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VU0

Ion 43.05 (42.75 to 43.75): VU0

Ion 57.10 (56.80 to 57.80): VU0



#18

trans-1,2-Dichloroethene

Concen: 8.701 ug/L

RT: 3.37 min Scan# 632

Delta R.T. 0.00 min

Lab File: VU040000.D

Acq: 31 Aug 2020 11:01

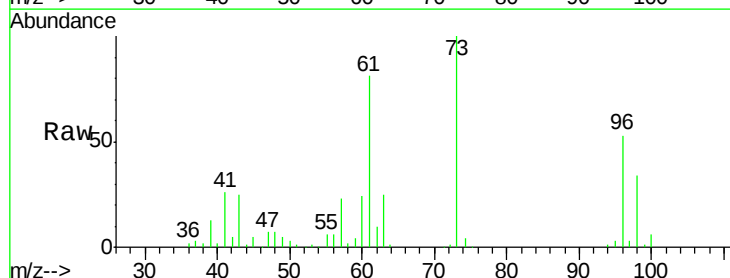
Tgt Ion: 96 Resp: 98792

Ion Ratio Lower Upper

96 100

61 152.4 110.5 205.3

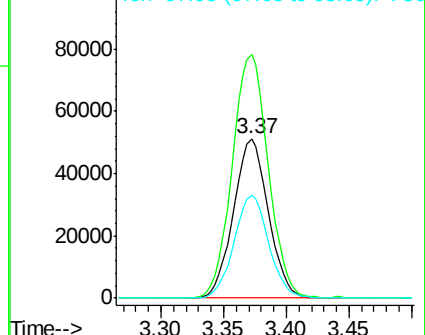
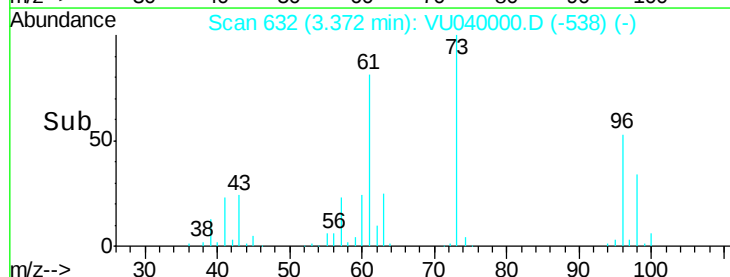
98 64.4 43.2 80.2

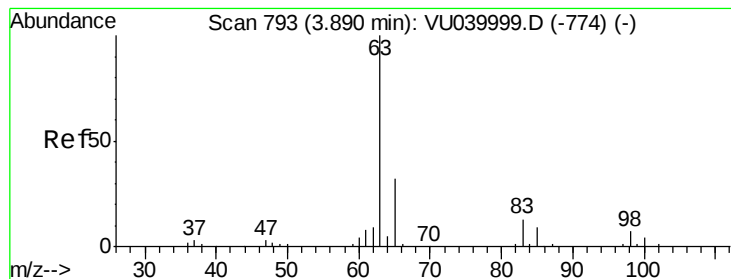


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 9.568 ug/L

RT: 3.89 min Scan# 794

Delta R.T. 0.00 min

Lab File: VU040000.D

Acq: 31 Aug 2020 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD01006

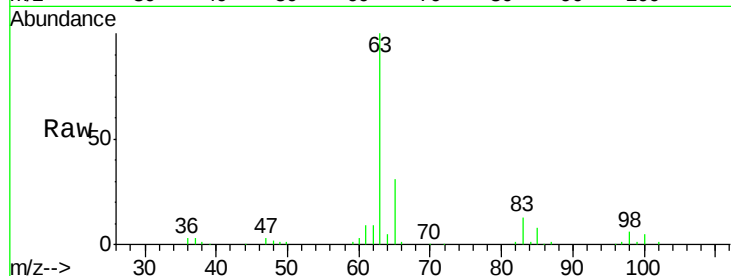
Tgt Ion: 63 Resp: 205411

Ion Ratio Lower Upper

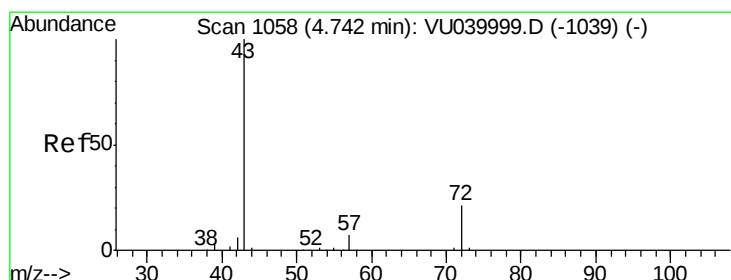
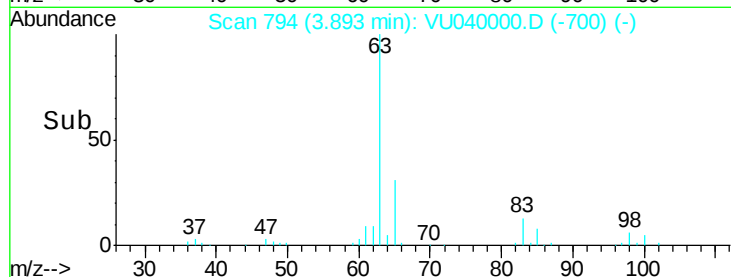
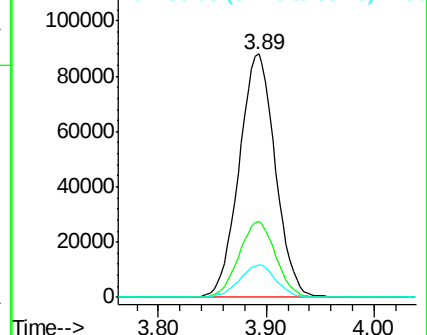
63 100

65 31.3 22.2 41.2

83 13.2 9.4 17.6



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 65.10 (64.80 to 65.80): VU0
Ion 83.05 (82.75 to 83.75): VU0



#21

2-Butanone

Concen: 94.214 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. -0.01 min

Lab File: VU040000.D

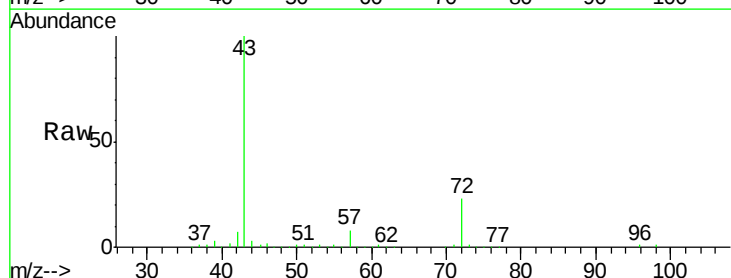
Acq: 31 Aug 2020 11:01

Tgt Ion: 43 Resp: 403487

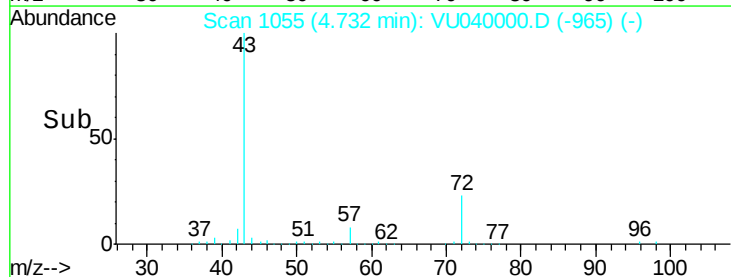
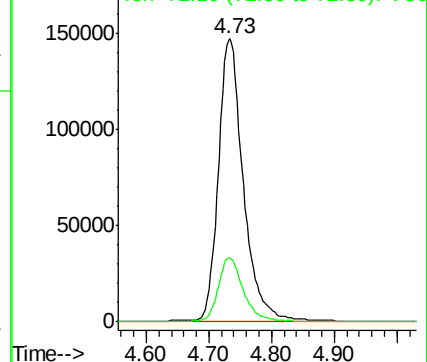
Ion Ratio Lower Upper

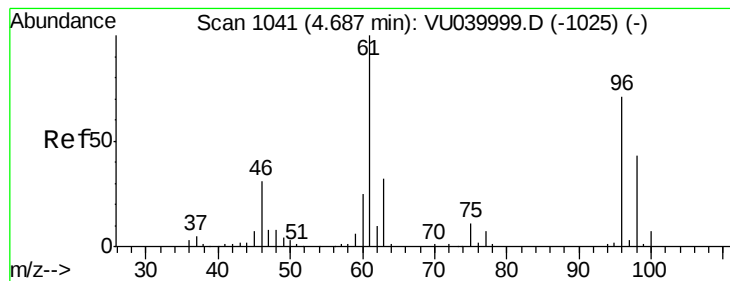
43 100

72 23.2 11.7 35.0



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 9.210 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VU040000.D

Acq: 31 Aug 2020 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD01006

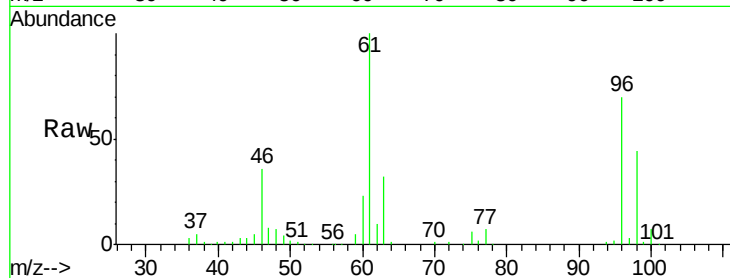
Tgt Ion: 96 Resp: 110178

Ion Ratio Lower Upper

96 100

61 143.9 98.8 183.4

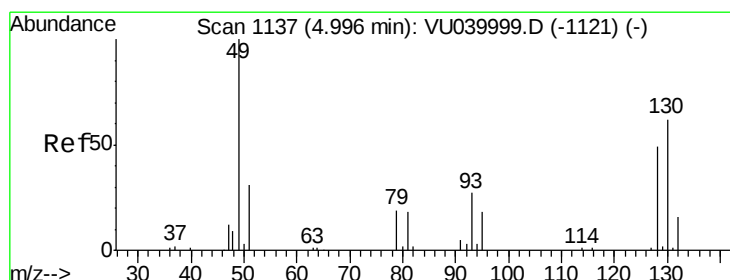
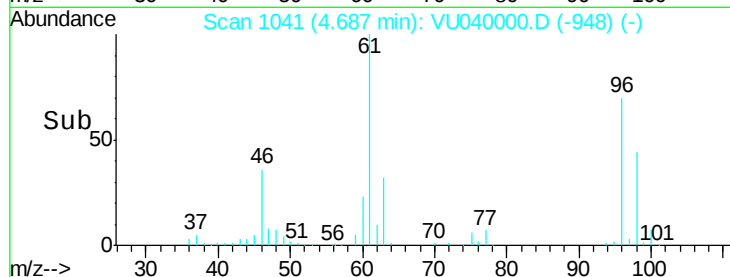
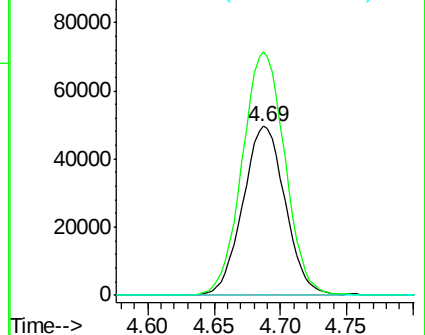
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 8.803 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VU040000.D

Acq: 31 Aug 2020 11:01

Tgt Ion: 128 Resp: 49047

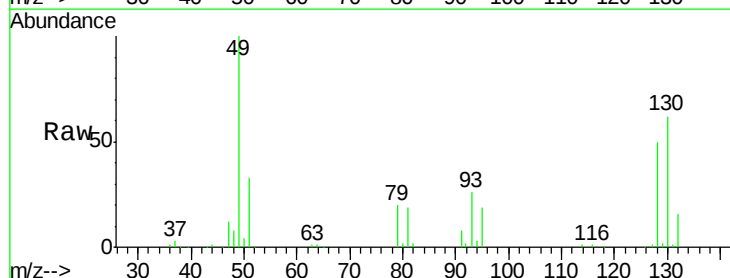
Ion Ratio Lower Upper

128 100

49 199.4 143.4 266.4

130 124.5 89.5 166.3

51 65.9 51.0 76.4

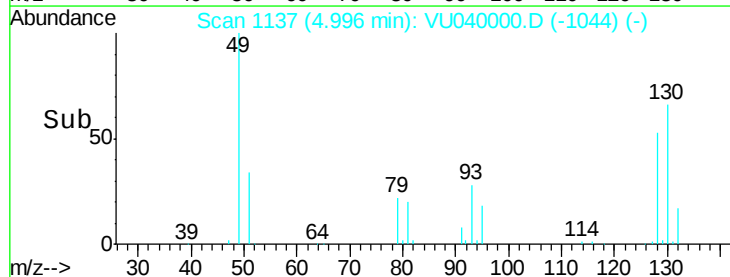
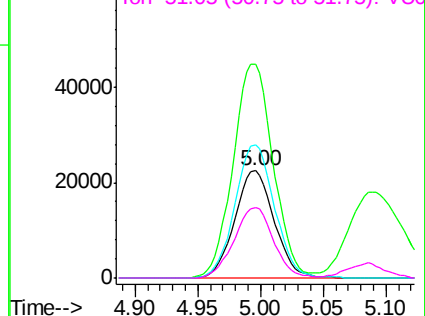


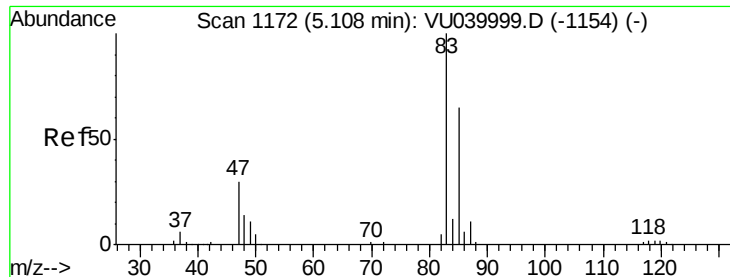
Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

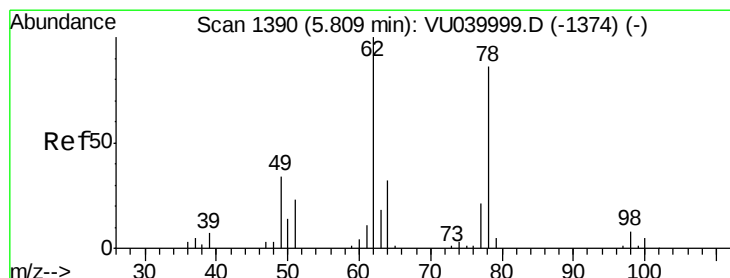
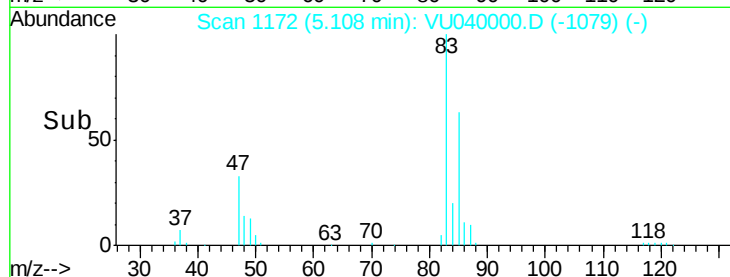
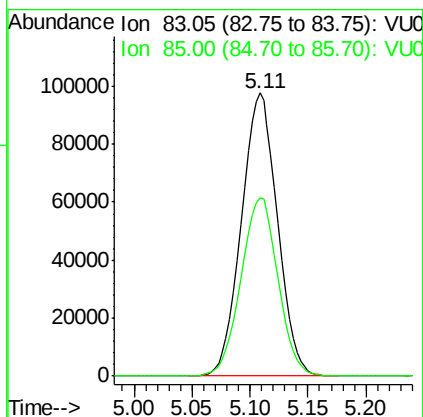
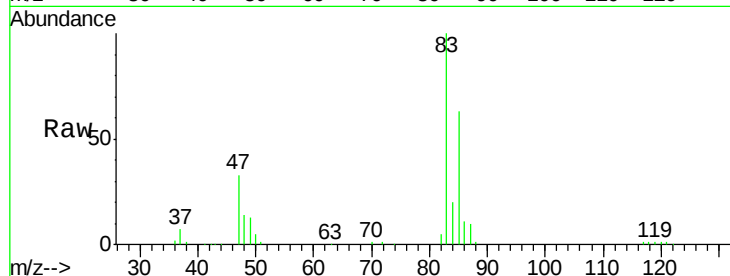




#25
Chloroform
Concen: 9.613 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VU040000.D
Acq: 31 Aug 2020 11:01

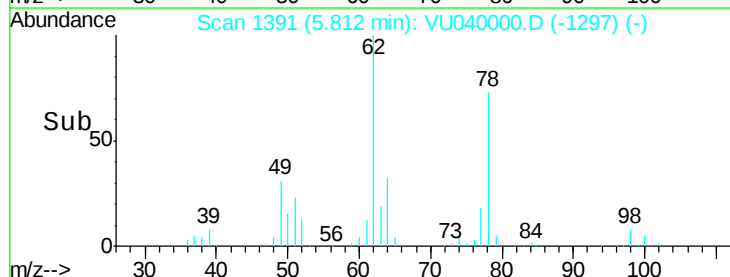
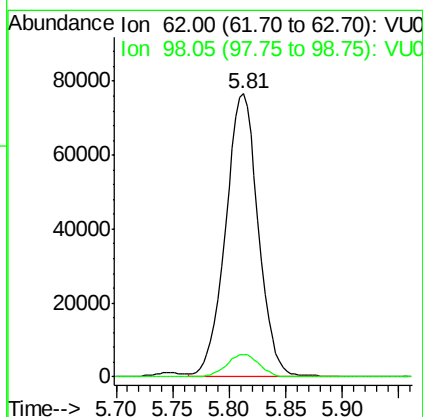
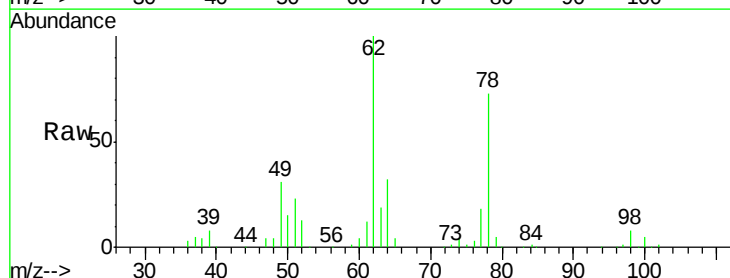
Instrument :
MSVOA_U
ClientSampleId :
VSTD01006

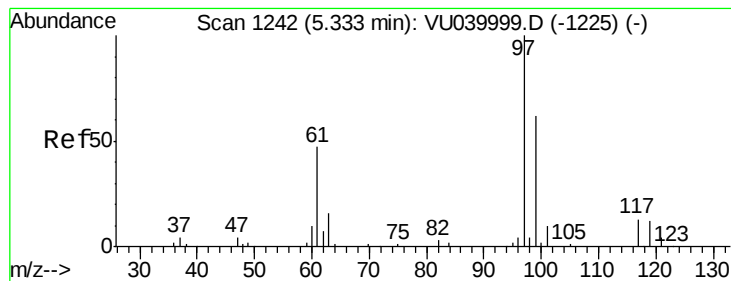
Tgt Ion: 83 Resp: 211190
Ion Ratio Lower Upper
83 100
85 63.1 45.3 84.1



#27
1,2-Dichloroethane
Concen: 9.862 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU040000.D
Acq: 31 Aug 2020 11:01

Tgt Ion: 62 Resp: 153585
Ion Ratio Lower Upper
62 100
98 8.0 6.1 9.1





#29

1,1,1-Trichloroethane

Concen: 9.965 ug/L

RT: 5.33 min Scan# 1242

Delta R.T. -0.00 min

Lab File: VU040000.D

Acq: 31 Aug 2020 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD01006

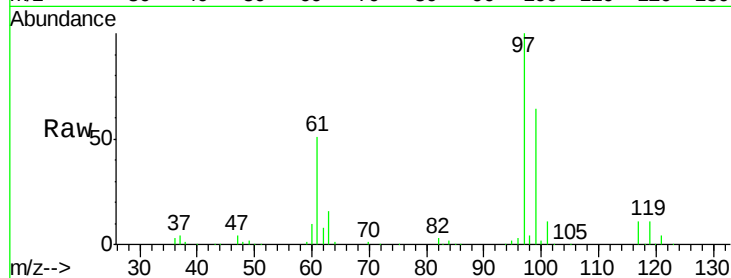
Tgt Ion: 97 Resp: 184411

Ion Ratio Lower Upper

97 100

99 63.9 50.9 76.3

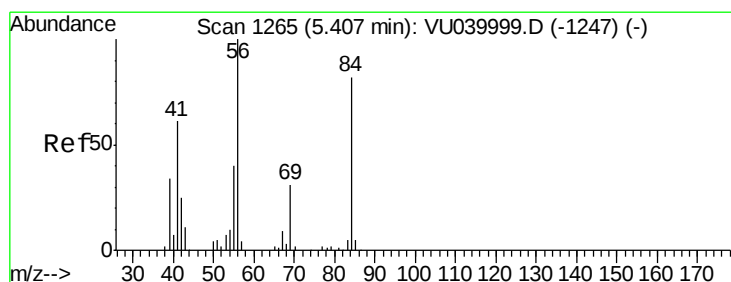
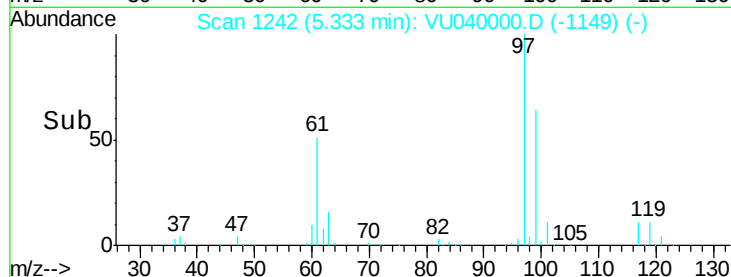
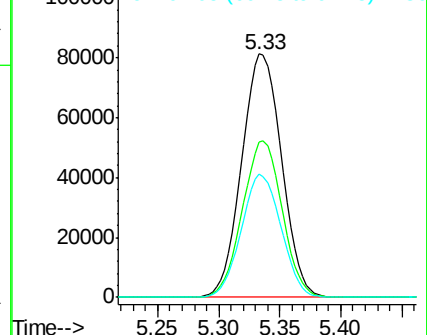
61 50.3 39.5 59.3



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: 10.236 ug/L

RT: 5.41 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VU040000.D

Acq: 31 Aug 2020 11:01

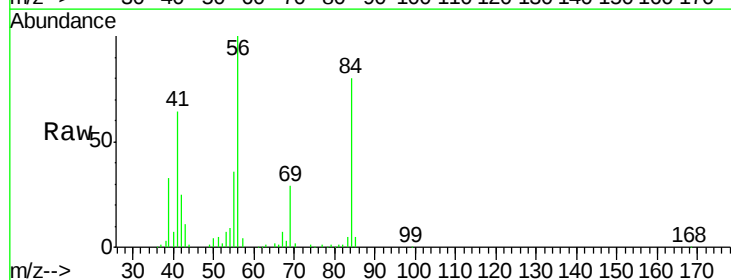
Tgt Ion: 56 Resp: 185903

Ion Ratio Lower Upper

56 100

69 29.1 24.1 36.1

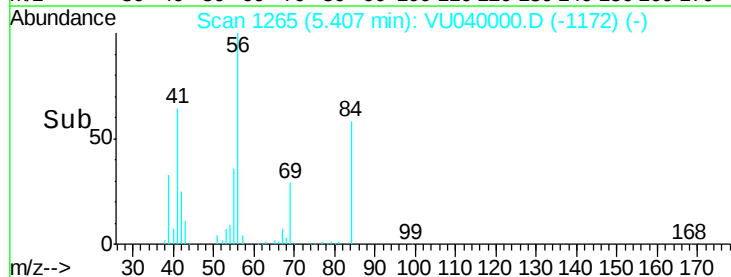
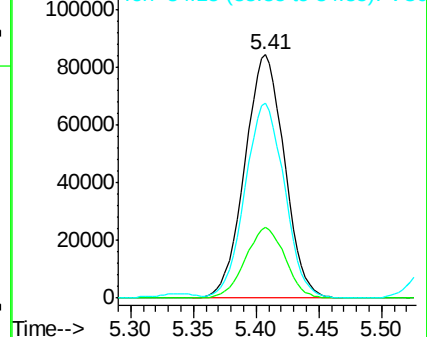
84 79.9 65.0 97.4

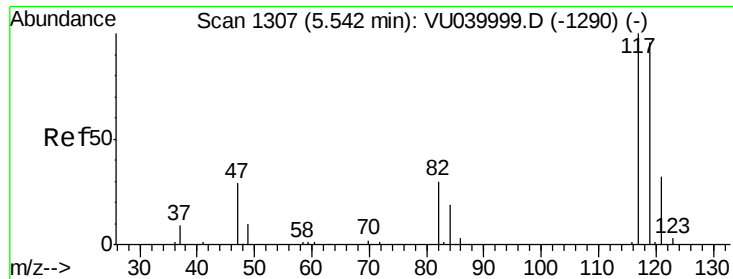


Abundance Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 9.652 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VU040000.D

Acq: 31 Aug 2020 11:01

Instrument :

MSVOA_U

ClientSampleId :

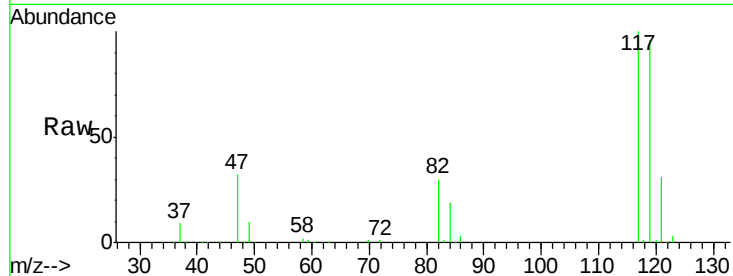
VSTD01006

Tgt Ion:117 Resp: 156574

Ion Ratio Lower Upper

117 100

119 96.0 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.54

80000

60000

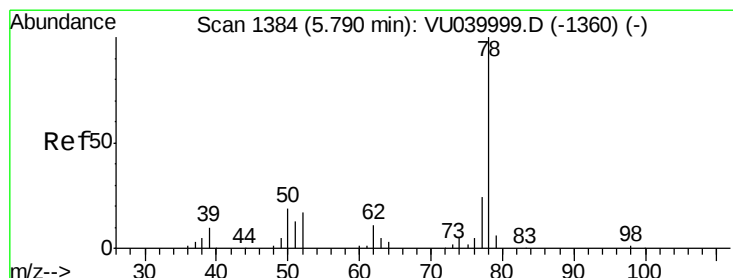
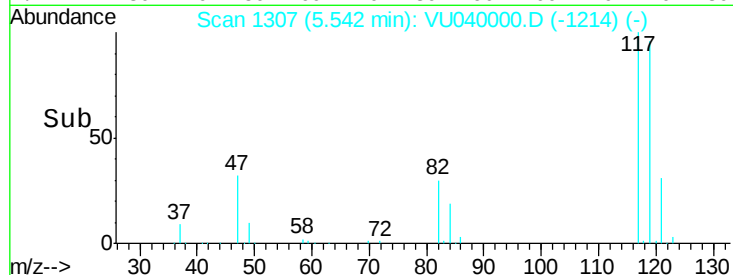
40000

20000

0

Time-->

5.45 5.50 5.55 5.60 5.65



#33

Benzene

Concen: 9.469 ug/L

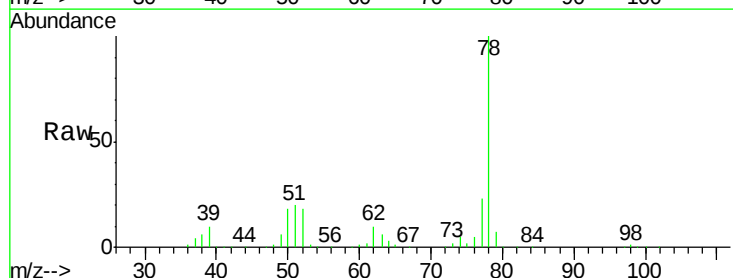
RT: 5.79 min Scan# 1384

Delta R.T. -0.00 min

Lab File: VU040000.D

Acq: 31 Aug 2020 11:01

Tgt Ion: 78 Resp: 425034



Abundance Ion 78.10 (77.80 to 78.80): VU0

250000

200000

150000

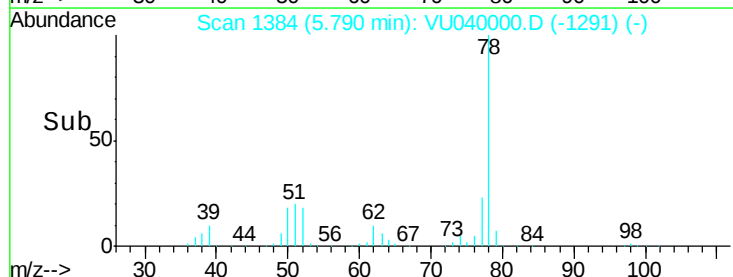
100000

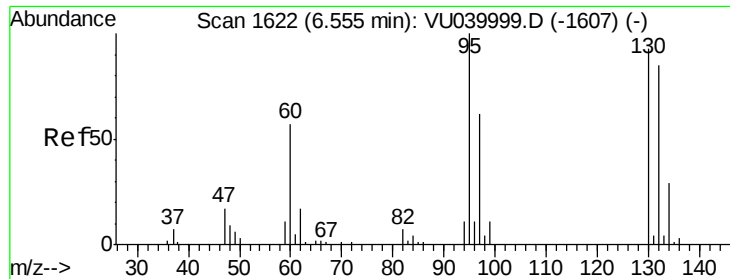
50000

0

Time-->

5.70 5.80 5.90





#34

Trichloroethene

Concen: 9.516 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. -0.00 min

Lab File: VU040000.D

Acq: 31 Aug 2020 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD01006

Tgt Ion: 95 Resp: 111702

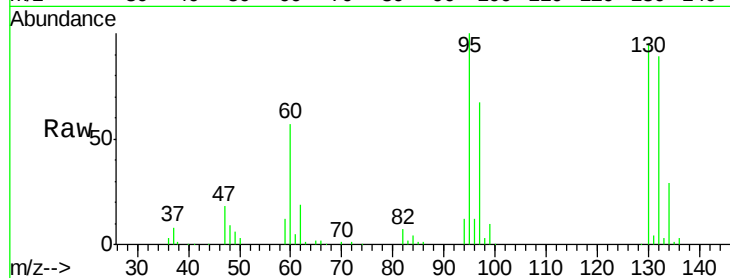
Ion Ratio Lower Upper

95 100

97 66.7 43.3 80.5

132 89.5 59.4 110.4

130 95.3 64.8 120.4

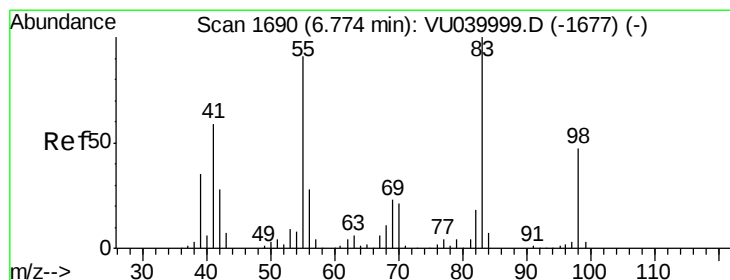
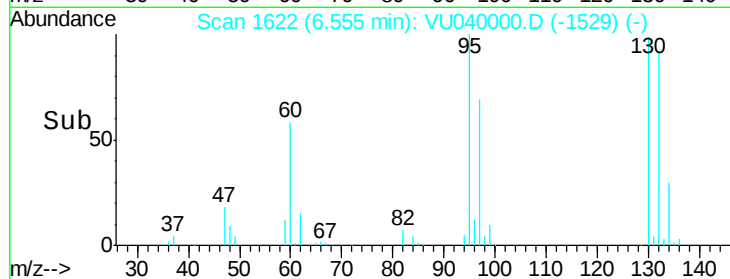
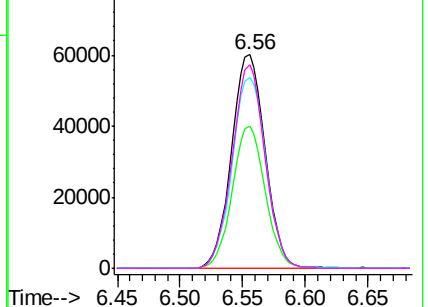


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 10.031 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VU040000.D

Acq: 31 Aug 2020 11:01

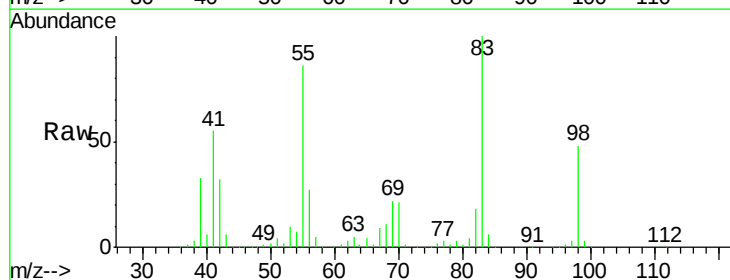
Tgt Ion: 83 Resp: 179329

Ion Ratio Lower Upper

83 100

55 84.7 70.5 105.7

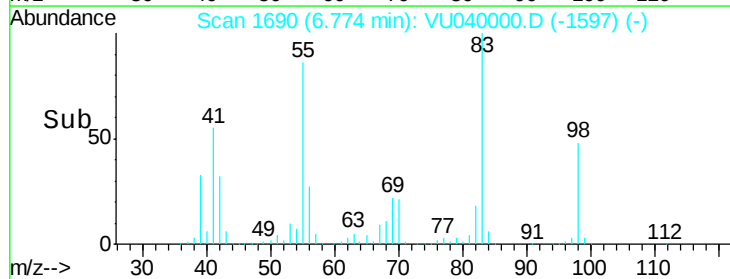
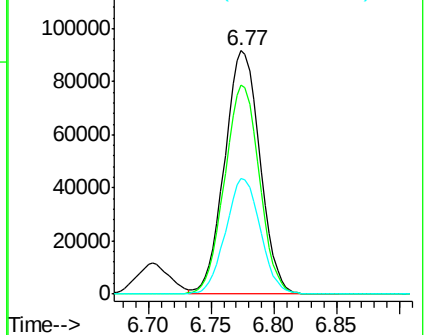
98 46.8 37.8 56.6

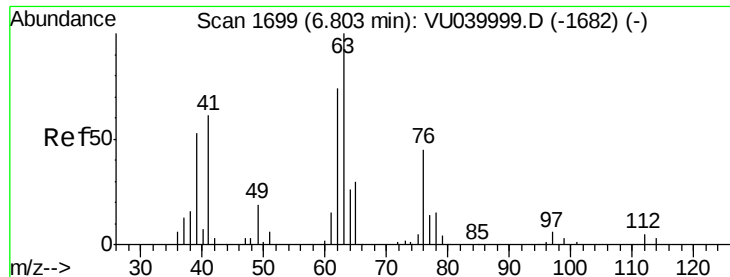


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

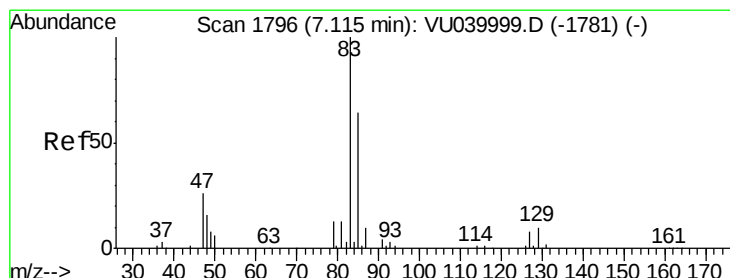
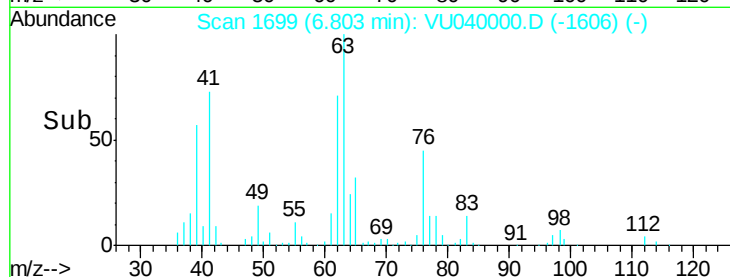
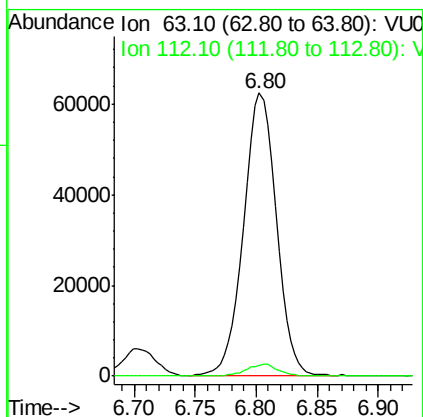
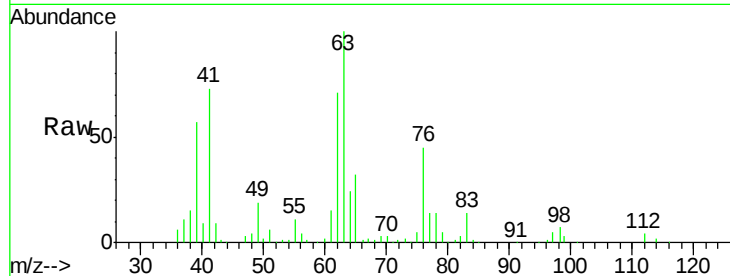




#37
 1,2-Dichloropropane
 Concen: 9.580 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU040000.D
 Acq: 31 Aug 2020 11:01

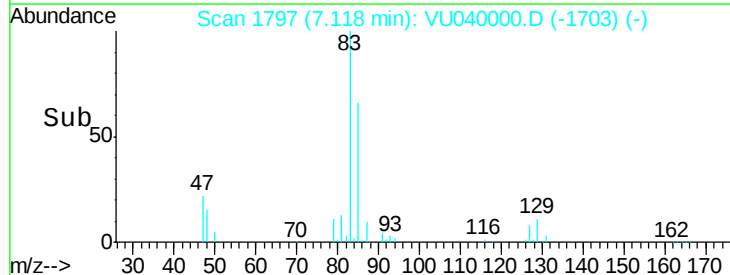
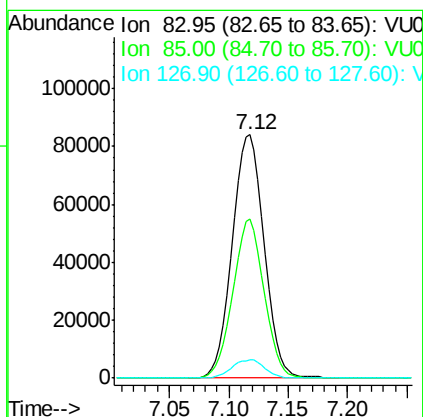
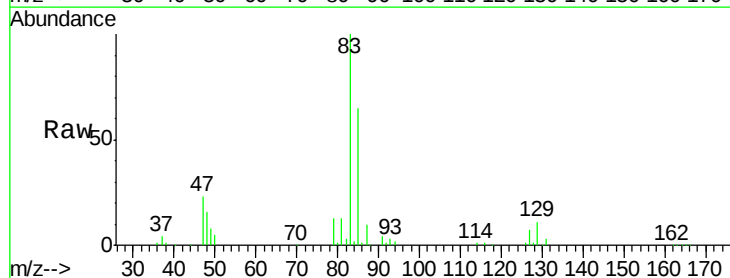
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01006

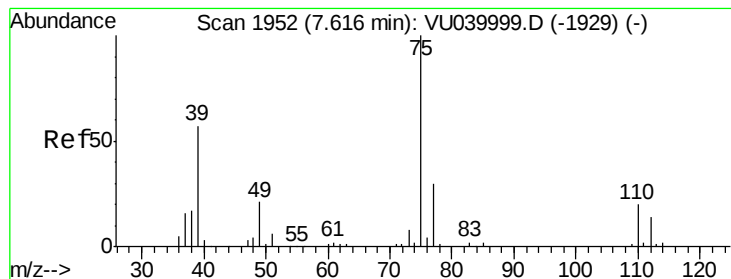
Tgt Ion: 63 Resp: 115522
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.2 4.8



#38
 Bromodichloromethane
 Concen: 10.131 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU040000.D
 Acq: 31 Aug 2020 11:01

Tgt Ion: 83 Resp: 156313
 Ion Ratio Lower Upper
 83 100
 85 65.3 45.1 83.9
 127 7.5 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 10.218 ug/L

RT: 7.62 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VU040000.D

Acq: 31 Aug 2020 11:01

Instrument :

MSVOA_U

ClientSampled :

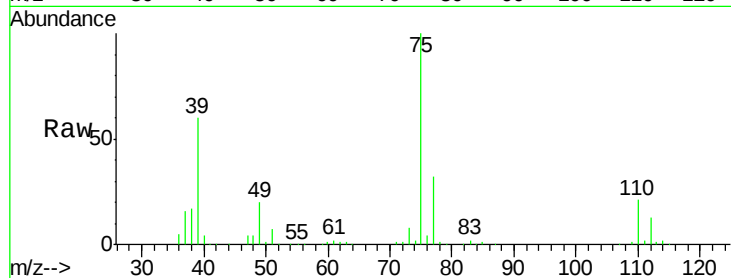
VSTD01006

Tgt Ion: 75 Resp: 173786

Ion Ratio Lower Upper

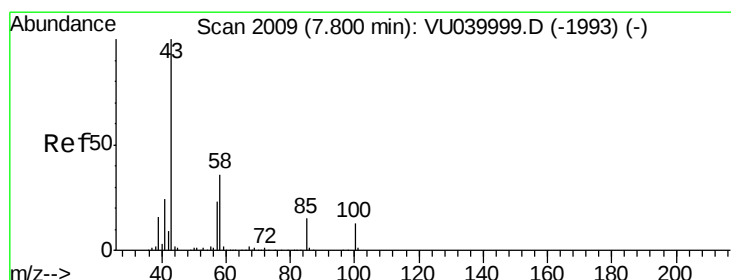
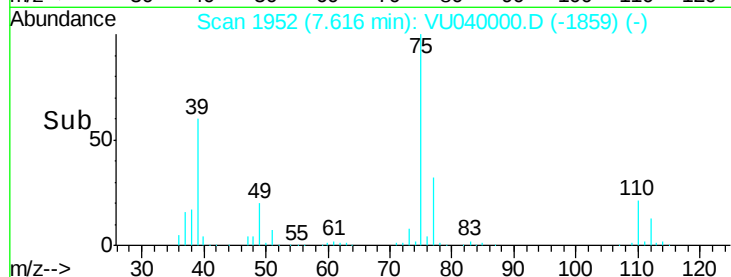
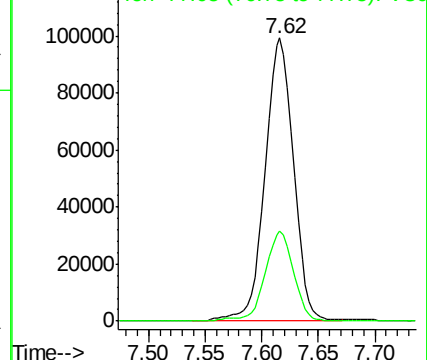
75 100

77 31.7 21.1 39.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#40

4-Methyl-2-pentanone

Concen: 99.083 ug/L

RT: 7.80 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU040000.D

Acq: 31 Aug 2020 11:01

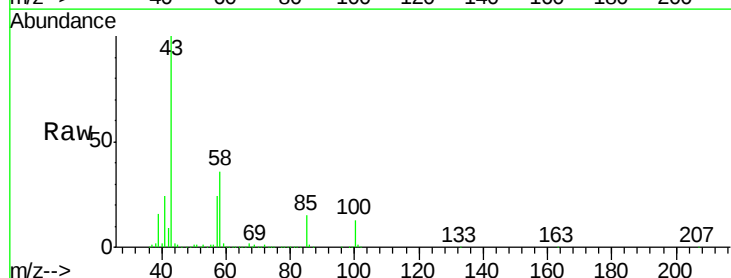
Tgt Ion: 43 Resp: 958413

Ion Ratio Lower Upper

43 100

58 35.8 28.7 43.1

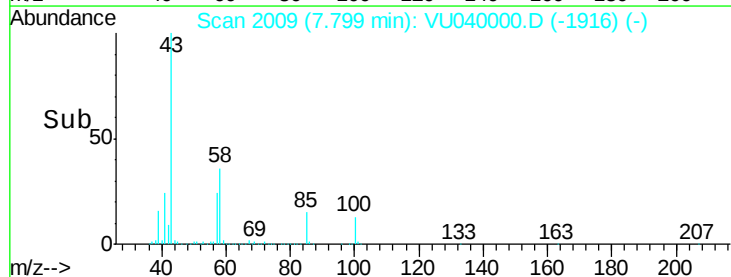
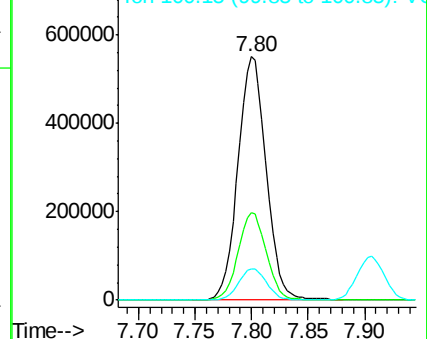
100 12.9 10.2 15.2

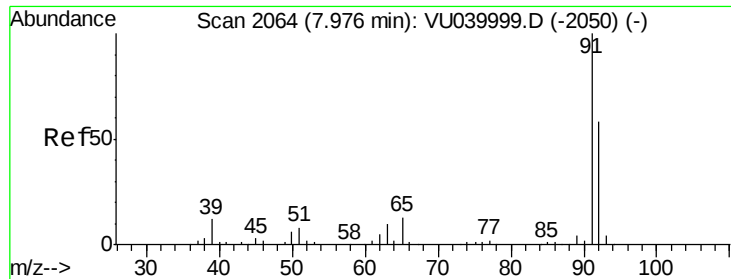


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 100.15 (99.85 to 100.85): VU0





#42

Toluene

Concen: 9.716 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU040000.D

Acq: 31 Aug 2020 11:01

Instrument :

MSVOA_U

ClientSampleId :

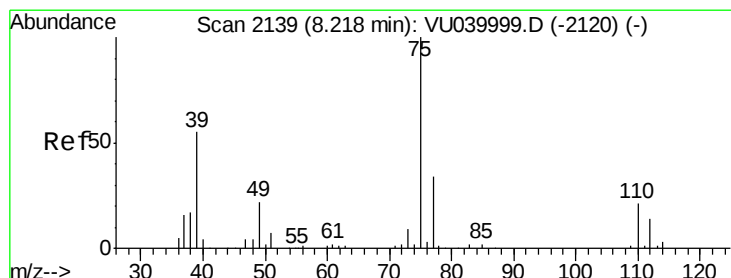
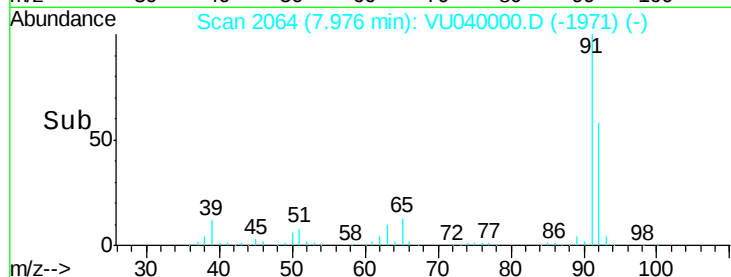
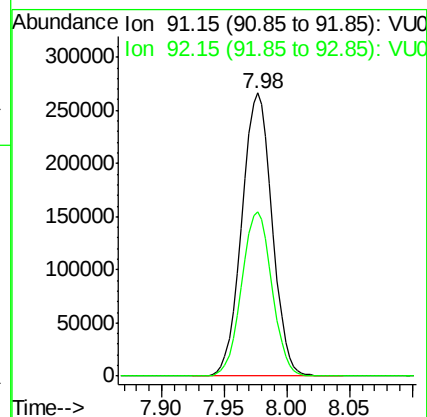
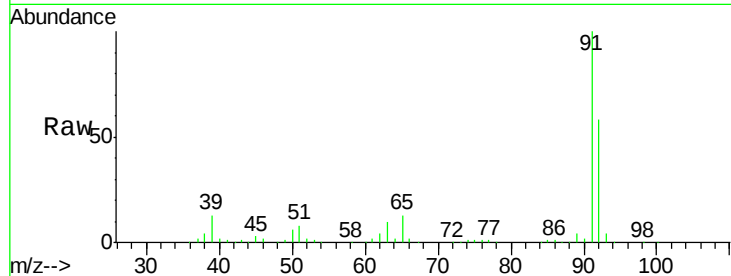
VSTD01006

Tgt Ion: 91 Resp: 446959

Ion Ratio Lower Upper

91 100

92 58.3 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 10.117 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU040000.D

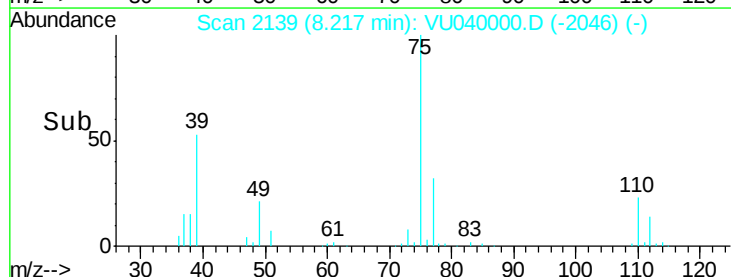
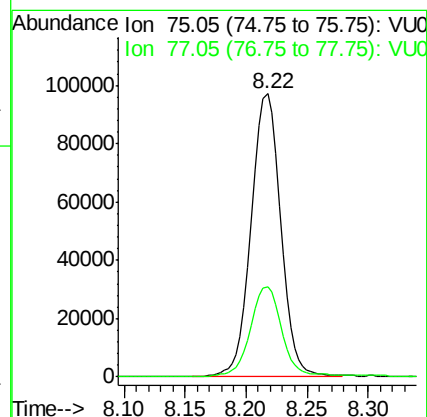
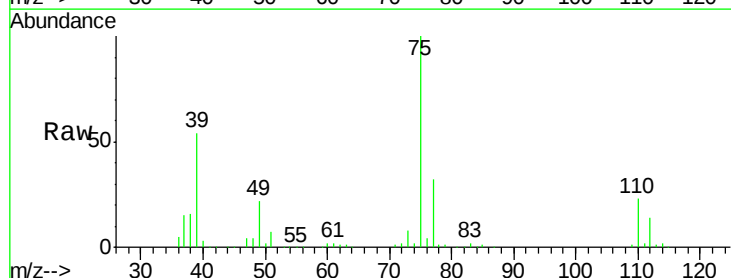
Acq: 31 Aug 2020 11:01

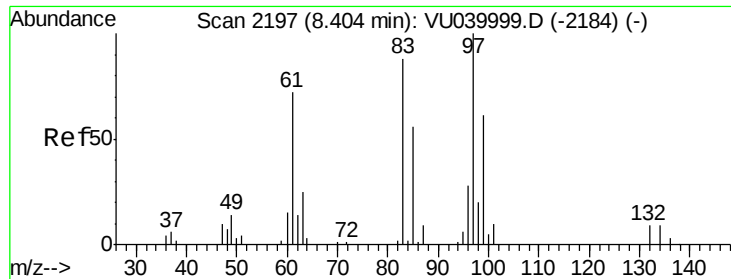
Tgt Ion: 75 Resp: 162525

Ion Ratio Lower Upper

75 100

77 32.0 23.9 44.3

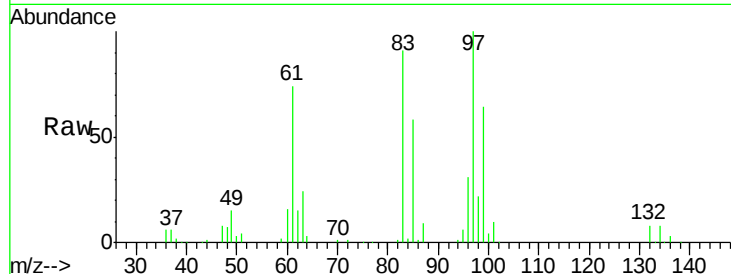




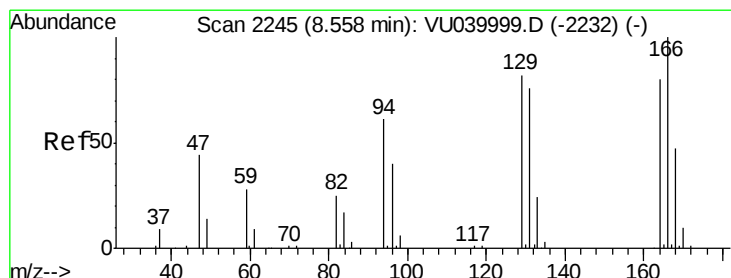
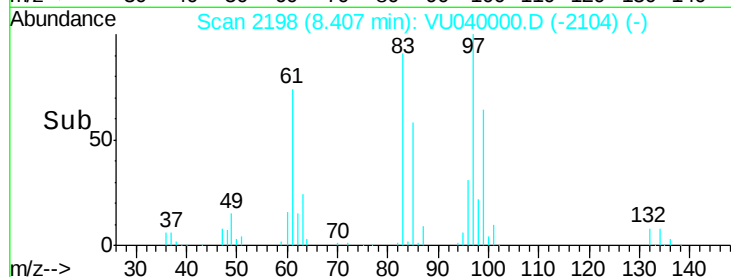
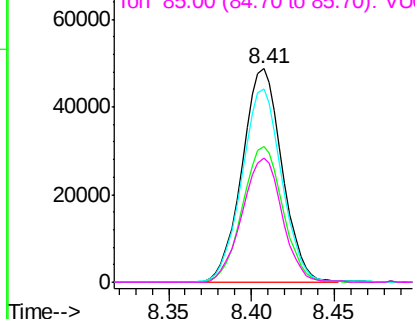
#45
 1,1,2-Trichloroethane
 Concen: 8.985 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU040000.D
 Acq: 31 Aug 2020 11:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01006

Tgt Ion:	97	Resp:	81716
Ion	Ratio	Lower	Upper
97	100		
99	63.8	43.0	79.8
83	90.8	61.7	114.7
85	57.9	39.3	73.1

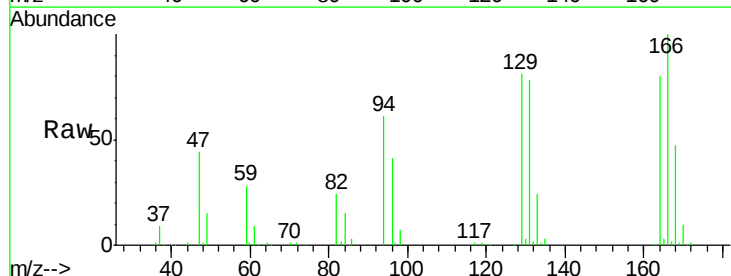


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

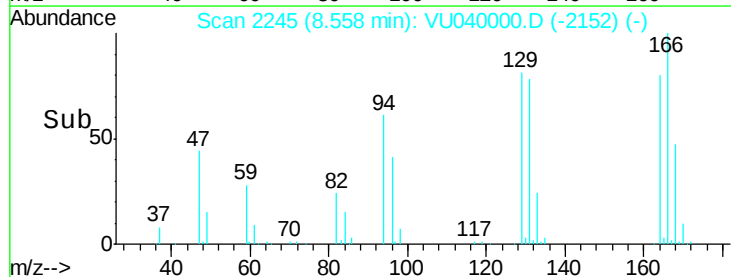
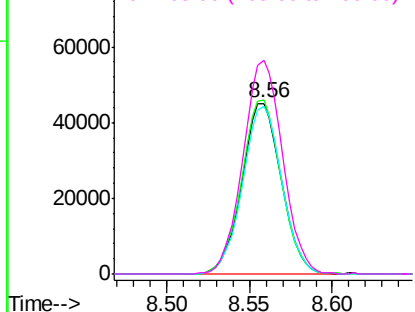


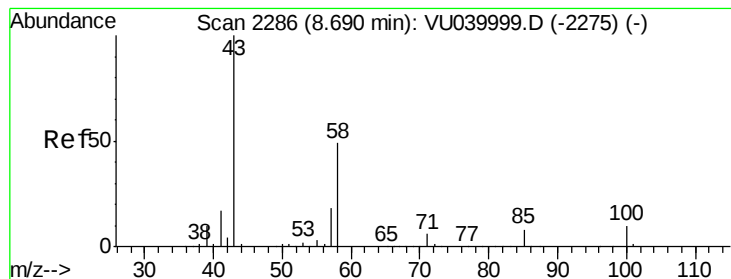
#47
 Tetrachloroethene
 Concen: 8.832 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU040000.D
 Acq: 31 Aug 2020 11:01

Tgt Ion:	164	Resp:	74632
Ion	Ratio	Lower	Upper
164	100		
129	101.9	71.5	132.7
131	98.0	65.9	122.5
166	125.1	87.3	162.1



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: 99.960 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. -0.00 min

Lab File: VU040000.D

Acq: 31 Aug 2020 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD01006

Tgt Ion: 43 Resp: 696901

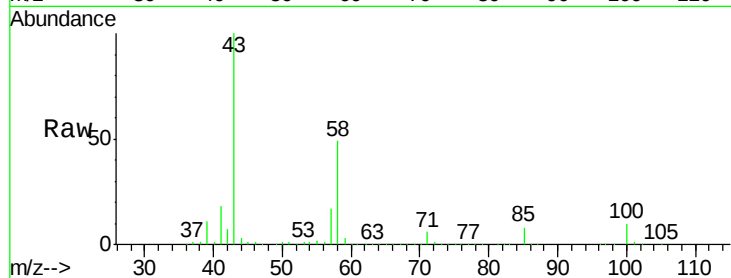
Ion Ratio Lower Upper

43 100

58 49.2 39.6 59.4

57 17.6 14.3 21.5

100 10.1 8.0 12.0

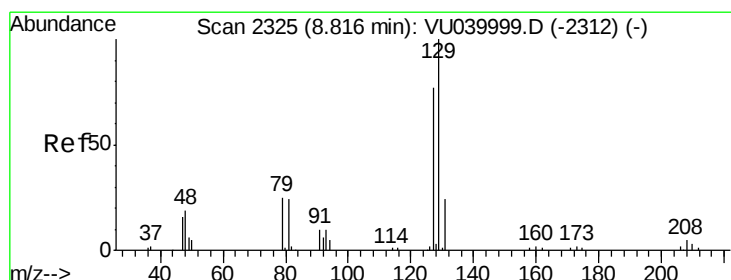
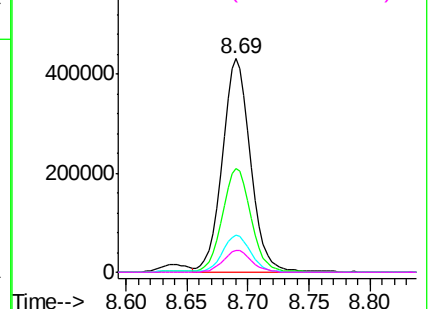
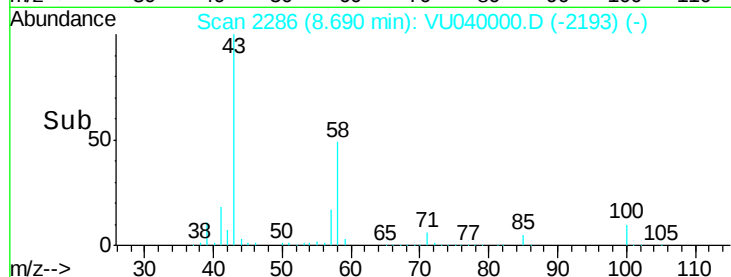


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0



#49

Dibromochloromethane

Concen: 9.258 ug/L

RT: 8.82 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VU040000.D

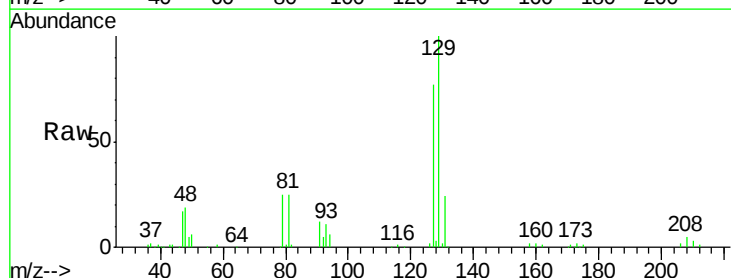
Acq: 31 Aug 2020 11:01

Tgt Ion: 129 Resp: 99989

Ion Ratio Lower Upper

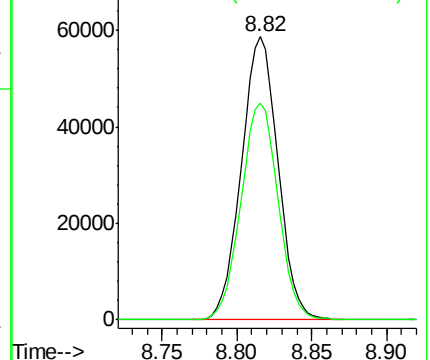
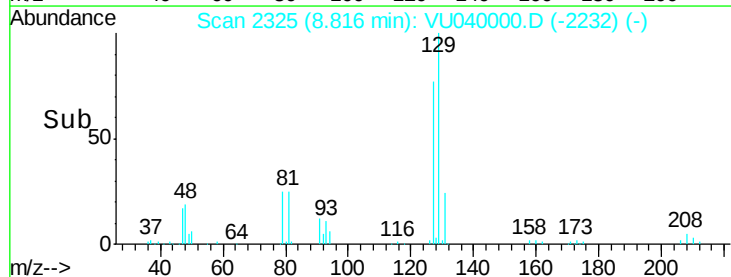
129 100

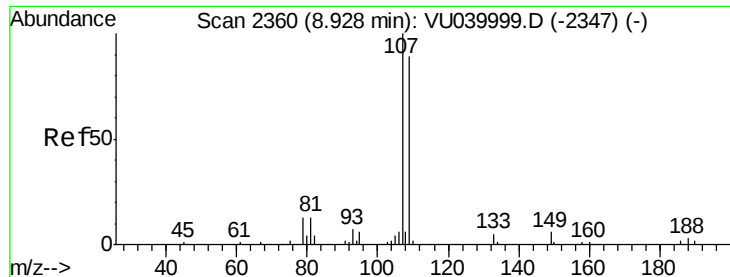
127 76.8 53.7 99.7



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V





#50

1,2-Dibromoethane

Concen: 9.170 ug/L

RT: 8.93 min Scan# 2360

Delta R.T. -0.00 min

Lab File: VU040000.D

Acq: 31 Aug 2020 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD01006

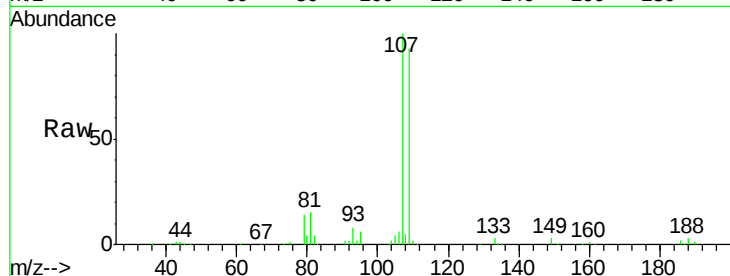
Tgt Ion:107 Resp: 79401

Ion Ratio Lower Upper

107 100

109 93.5 62.4 115.8

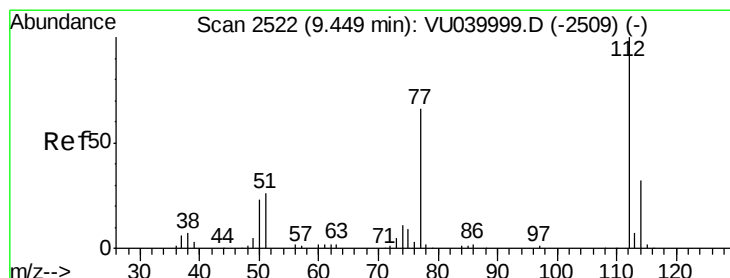
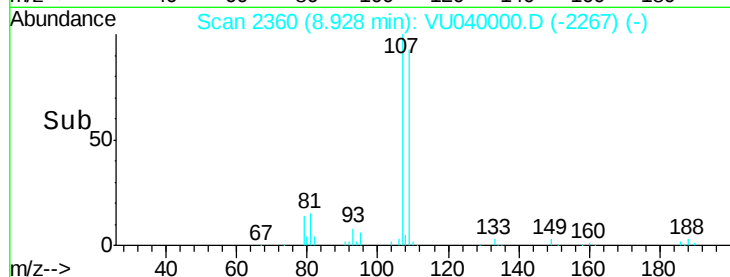
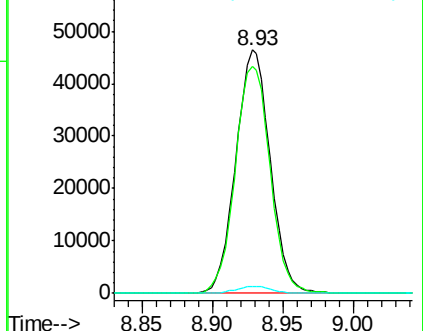
188 3.0 2.3 3.5



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: 9.146 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VU040000.D

Acq: 31 Aug 2020 11:01

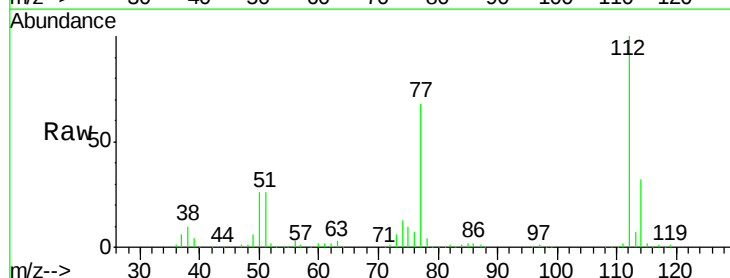
Tgt Ion:112 Resp: 271745

Ion Ratio Lower Upper

112 100

114 32.3 22.7 42.3

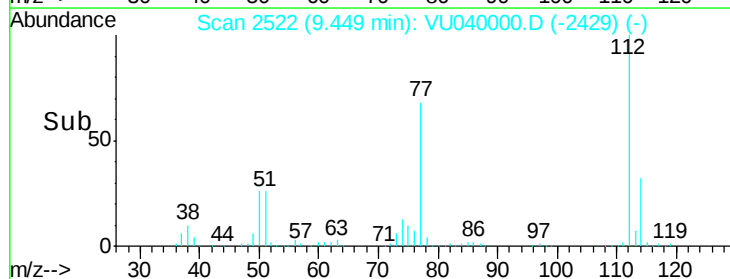
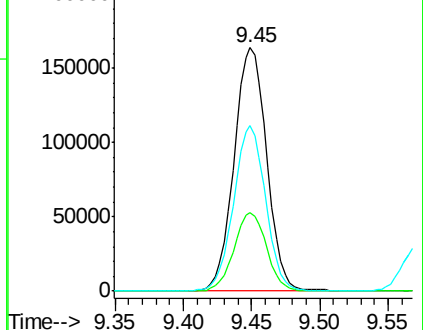
77 68.0 53.2 79.8

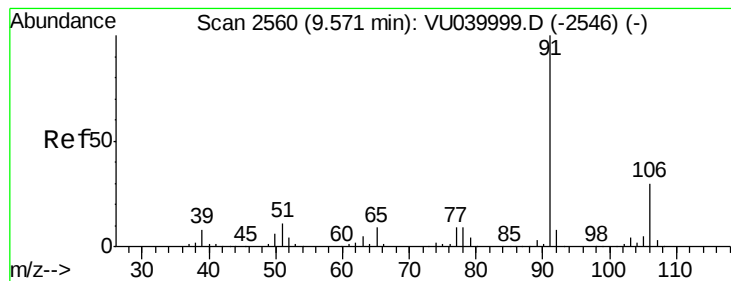


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0





#52

Ethylbenzene

Concen: 10.184 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040000.D

Acq: 31 Aug 2020 11:01

Instrument :

MSVOA_U

ClientSampleId :

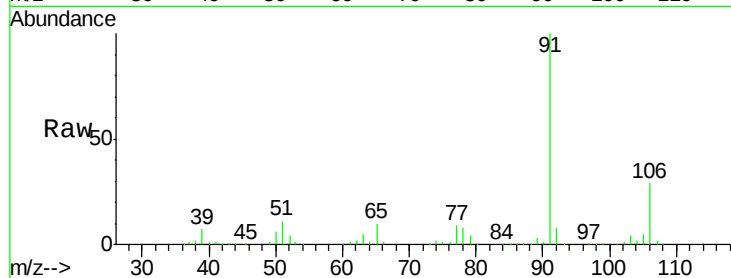
VSTD01006

Tgt Ion: 91 Resp: 514123

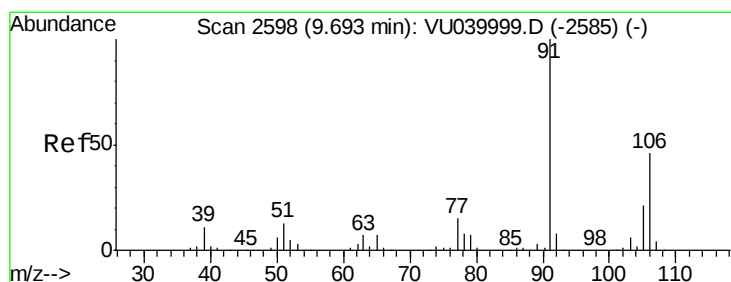
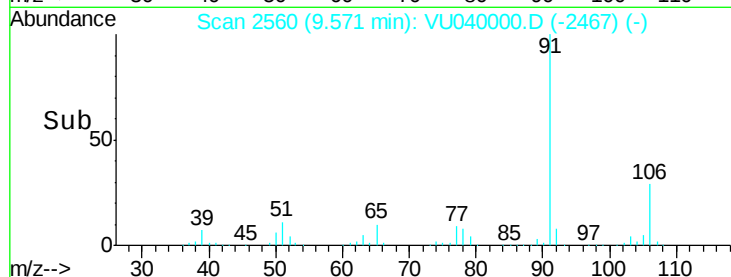
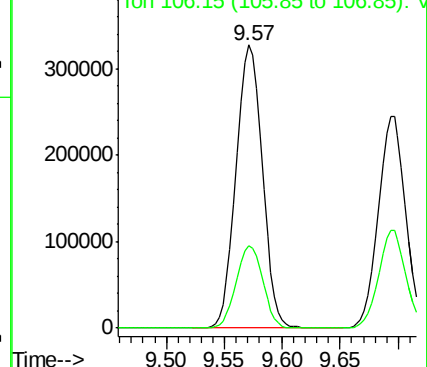
Ion Ratio Lower Upper

91 100

106 29.0 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU040000.D (-2467) (-)



#53

m,p-Xylene

Concen: 9.682 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040000.D

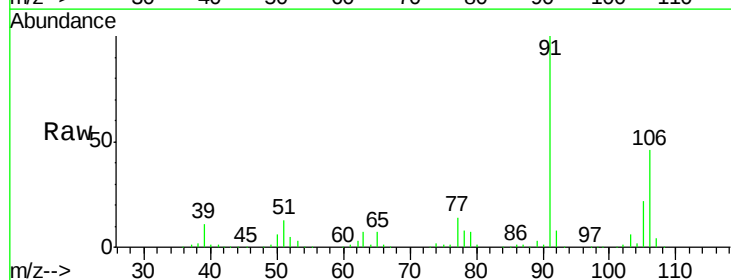
Acq: 31 Aug 2020 11:01

Tgt Ion: 106 Resp: 184482

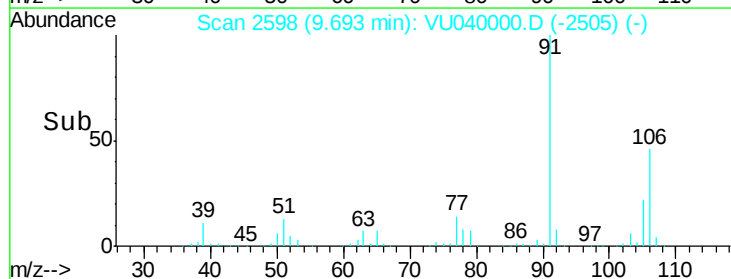
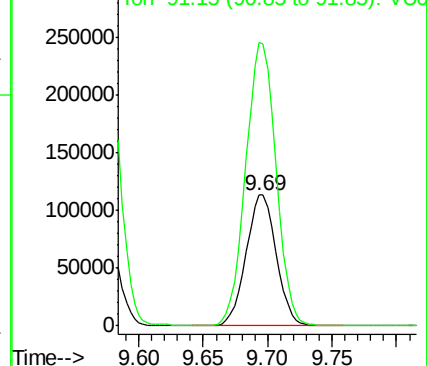
Ion Ratio Lower Upper

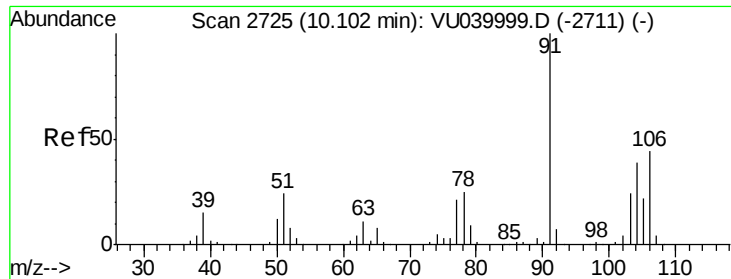
106 100

91 216.2 151.7 281.7



Abundance Ion 106.15 (105.85 to 106.85): VU040000.D (-2505) (-)

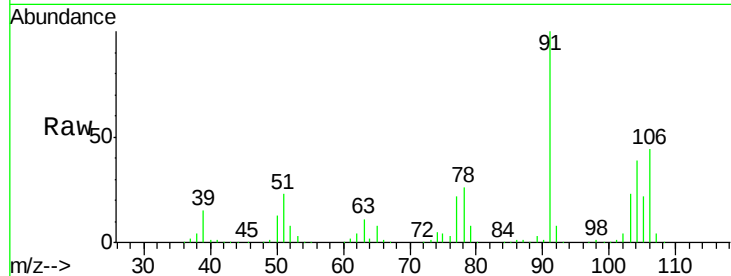




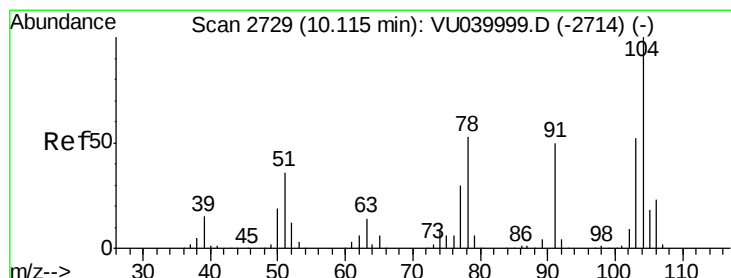
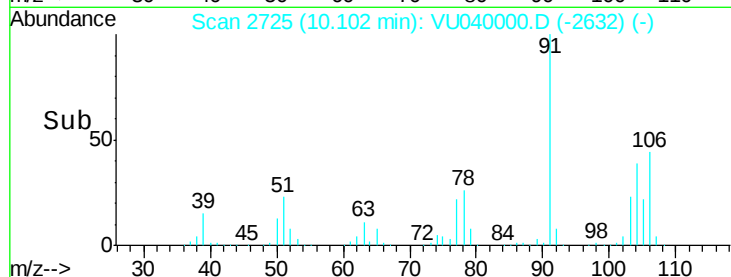
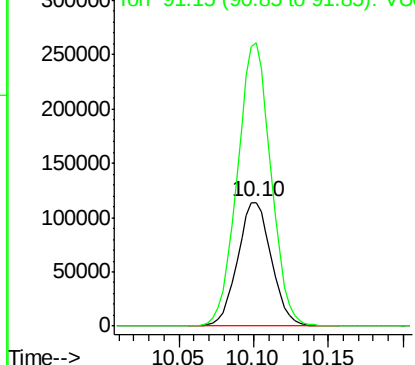
#54
o-Xylene
Concen: 9.919 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU040000.D
Acq: 31 Aug 2020 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTD01006

Tgt Ion:106 Resp: 179366
Ion Ratio Lower Upper
106 100
91 228.2 160.8 298.6

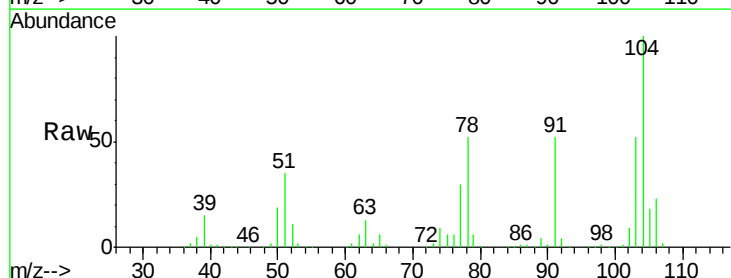


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

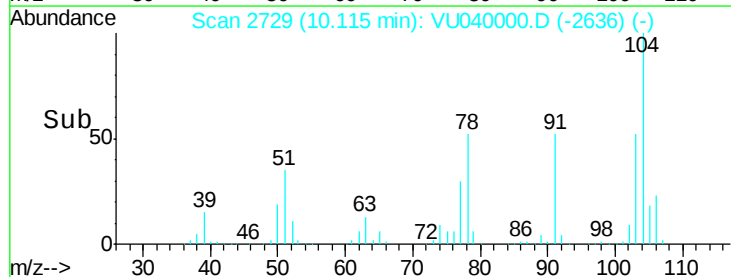
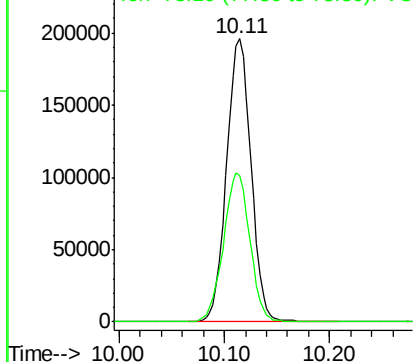


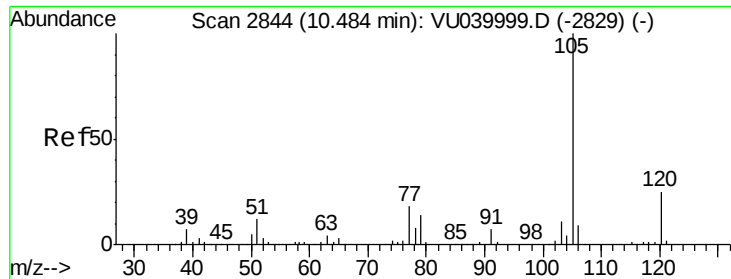
#55
Styrene
Concen: 10.045 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040000.D
Acq: 31 Aug 2020 11:01

Tgt Ion:104 Resp: 314232
Ion Ratio Lower Upper
104 100
78 51.6 36.8 68.3



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





#56

Isopropylbenzene

Concen: 10.093 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU040000.D

Acq: 31 Aug 2020 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD01006

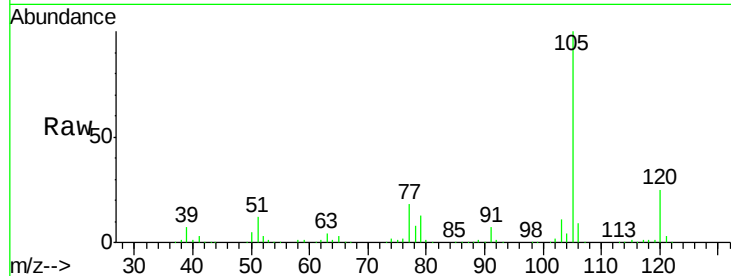
Tgt Ion: 105 Resp: 491308

Ion Ratio Lower Upper

105 100

120 25.0 20.1 30.1

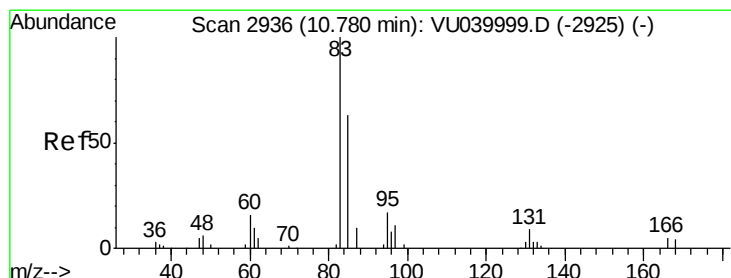
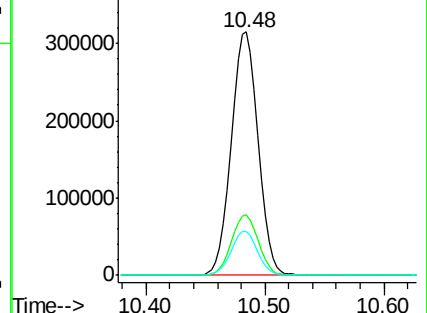
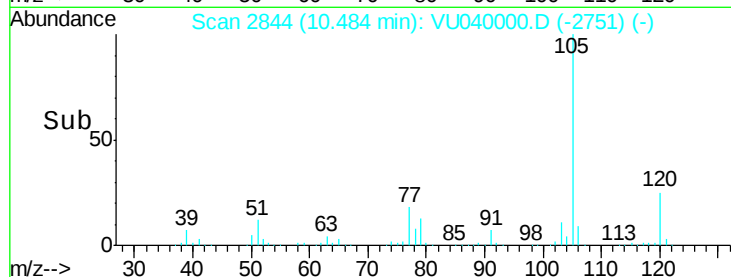
77 17.9 14.4 21.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 8.980 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. 0.00 min

Lab File: VU040000.D

Acq: 31 Aug 2020 11:01

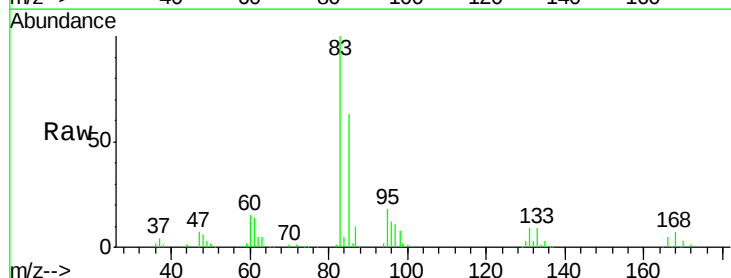
Tgt Ion: 83 Resp: 104446

Ion Ratio Lower Upper

83 100

85 62.6 44.9 83.3

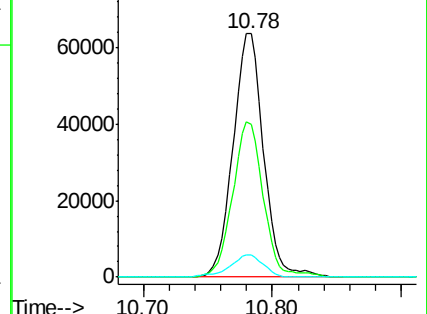
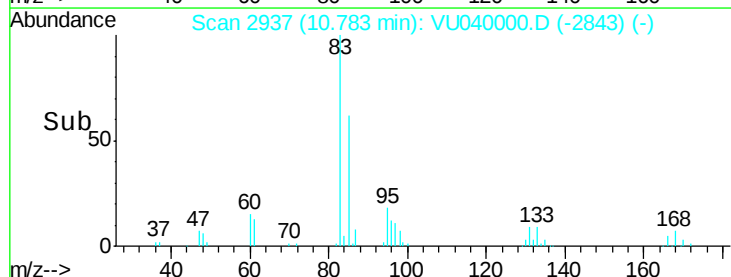
131 9.1 7.4 11.0

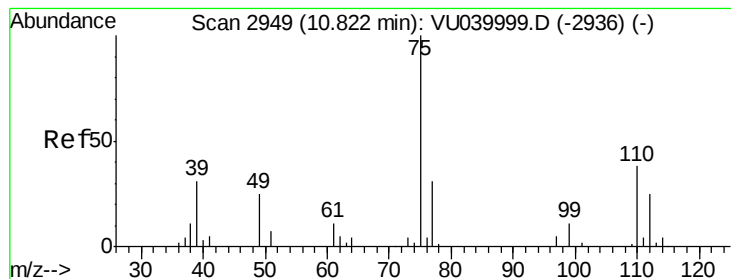


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 9.476 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU040000.D

Acq: 31 Aug 2020 11:01

Instrument :

MSVOA_U

ClientSampleId :

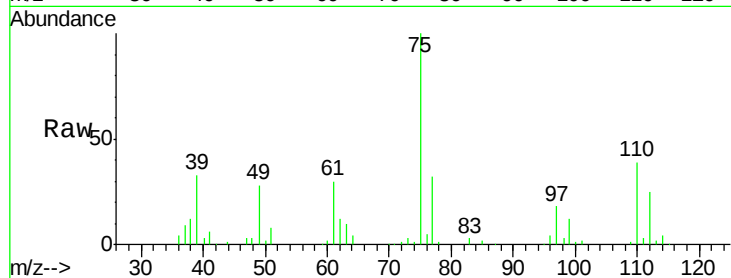
VSTD01006

Tgt Ion: 75 Resp: 82651

Ion Ratio Lower Upper

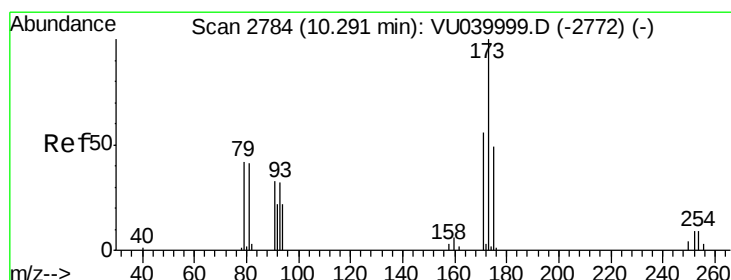
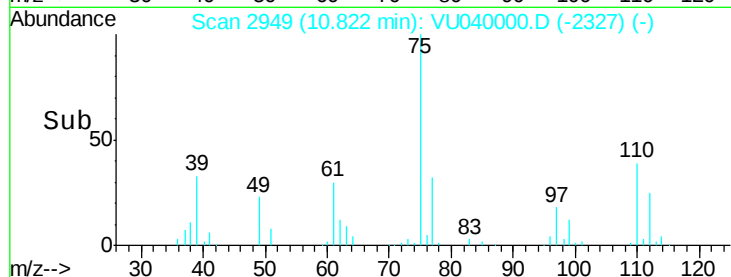
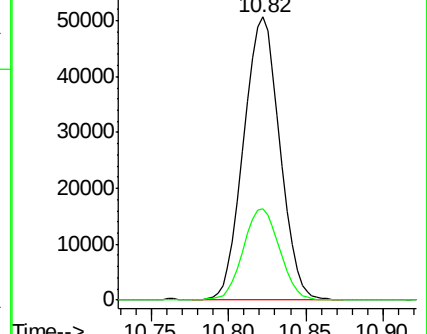
75 100

77 32.5 24.9 37.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#61

Bromoform

Concen: 9.936 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU040000.D

Acq: 31 Aug 2020 11:01

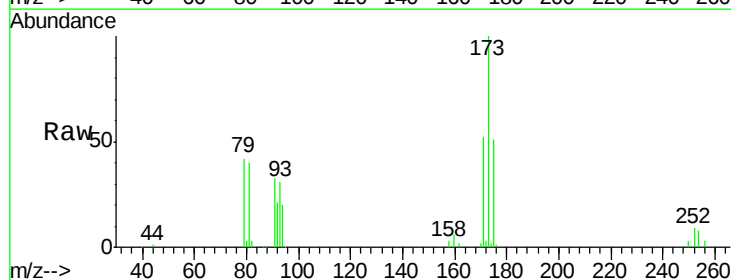
Tgt Ion: 173 Resp: 51746

Ion Ratio Lower Upper

173 100

175 49.8 37.8 56.6

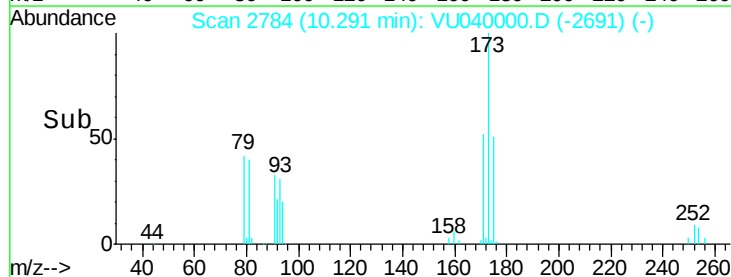
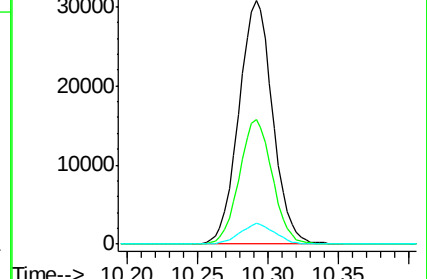
254 8.4 6.8 10.2

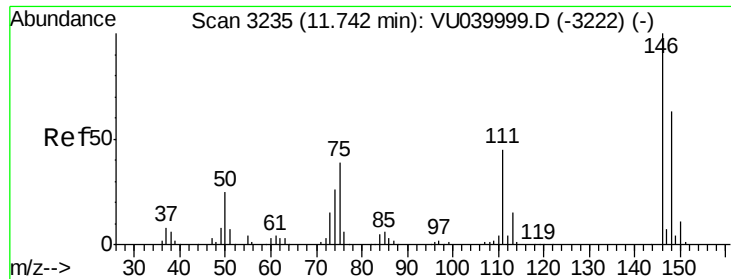


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V

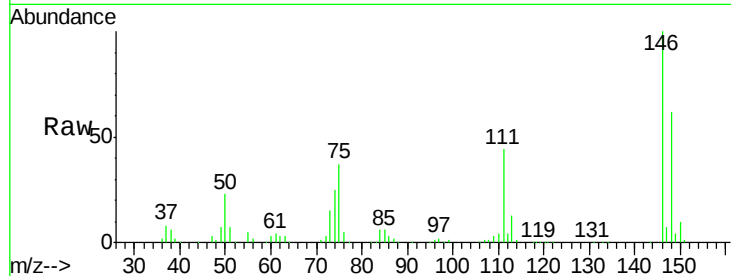




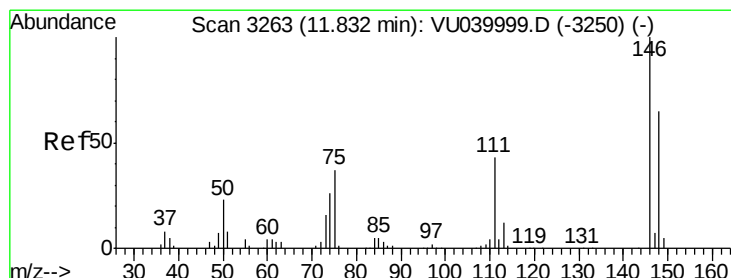
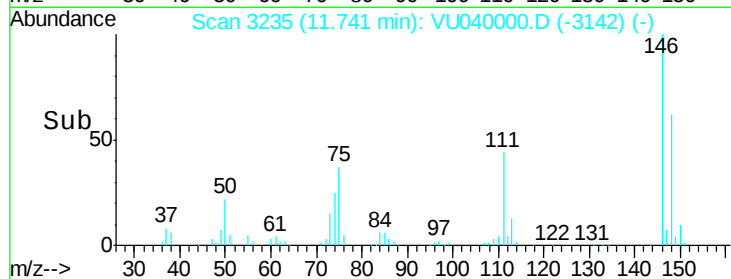
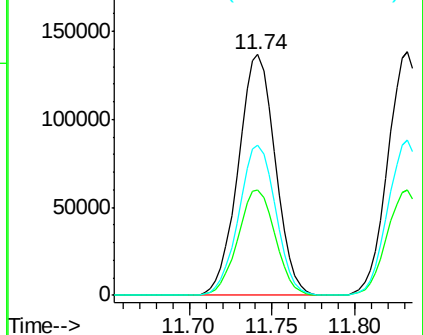
#62
 1,3-Dichlorobenzene
 Concen: 9.825 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU040000.D
 Acq: 31 Aug 2020 11:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01006

Tgt Ion:146 Resp: 212674
 Ion Ratio Lower Upper
 146 100
 111 43.9 31.6 58.8
 148 62.4 44.2 82.0

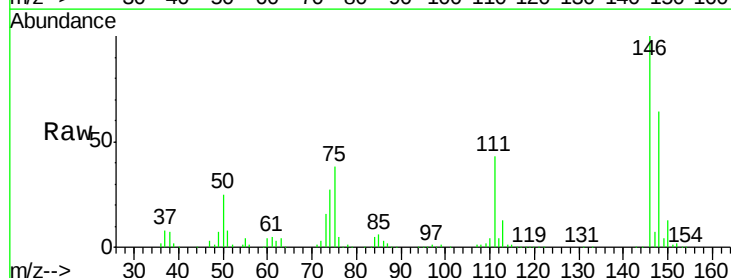


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

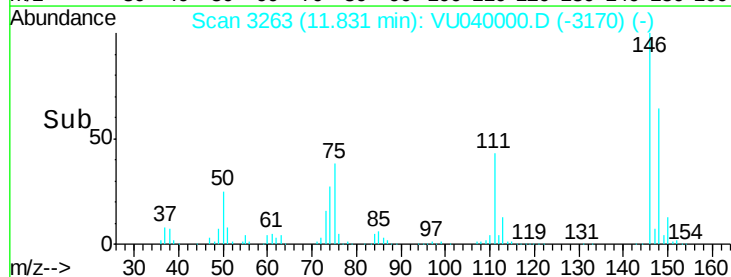
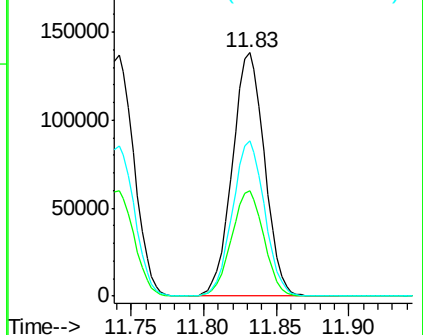


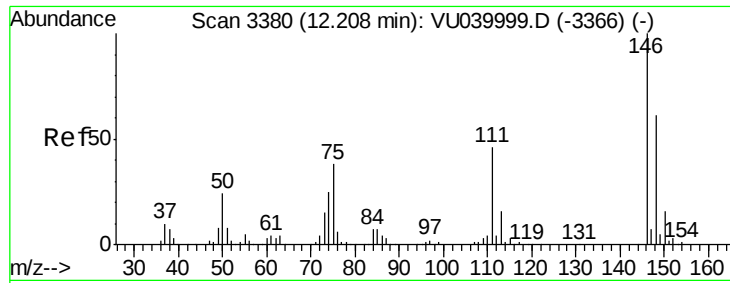
#63
 1,4-Dichlorobenzene
 Concen: 9.639 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040000.D
 Acq: 31 Aug 2020 11:01

Tgt Ion:146 Resp: 212789
 Ion Ratio Lower Upper
 146 100
 111 43.0 30.5 56.7
 148 63.8 45.4 84.4



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

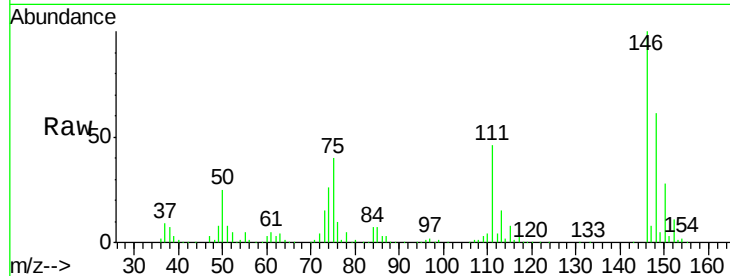




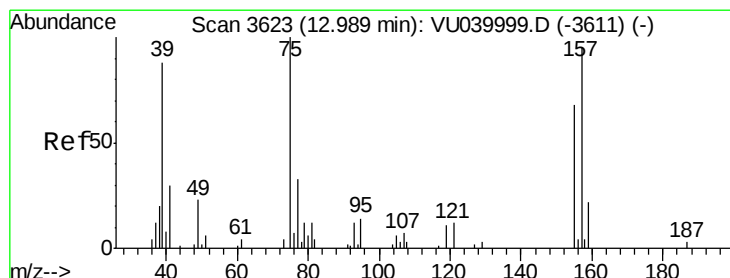
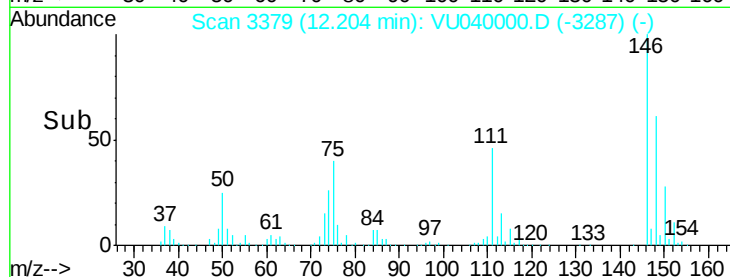
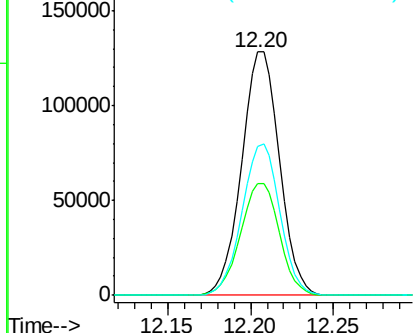
#65
 1,2-Dichlorobenzene
 Concen: 9.718 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU040000.D
 Acq: 31 Aug 2020 11:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01006

Tgt Ion: 146 Resp: 204024
 Ion Ratio Lower Upper
 146 100
 111 46.0 36.5 54.7
 148 61.1 48.6 72.8

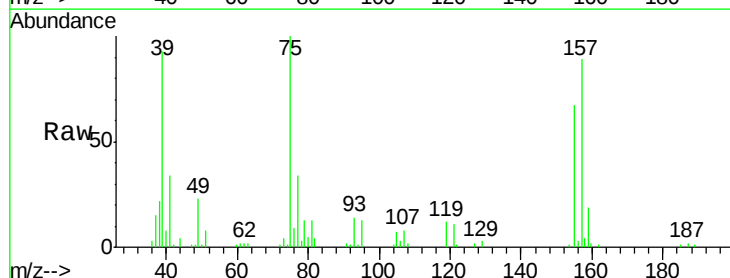


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

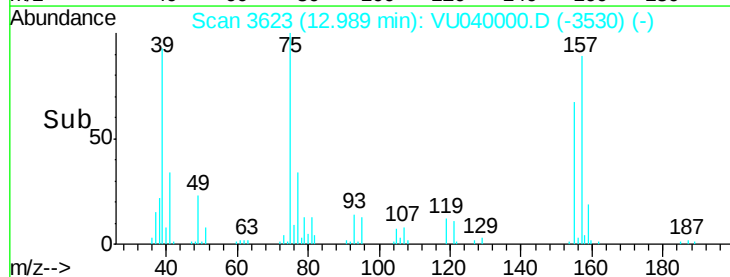
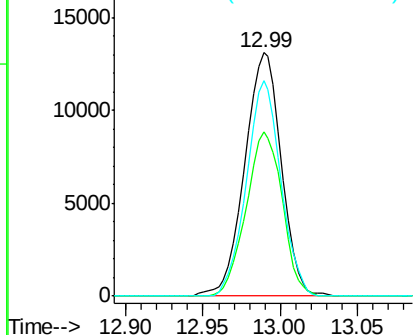


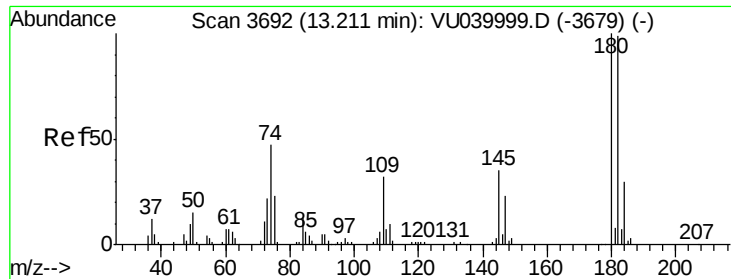
#66
 1,2-Dibromo-3-chloropropane
 Concen: 11.802 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU040000.D
 Acq: 31 Aug 2020 11:01

Tgt Ion: 75 Resp: 21528
 Ion Ratio Lower Upper
 75 100
 155 67.3 54.6 82.0
 157 88.7 75.6 113.4



Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

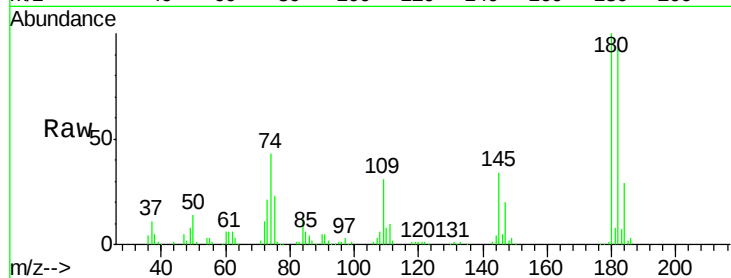




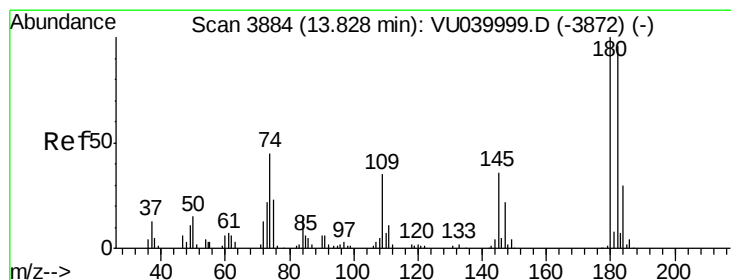
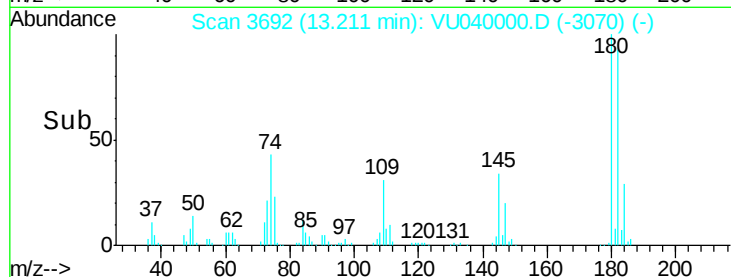
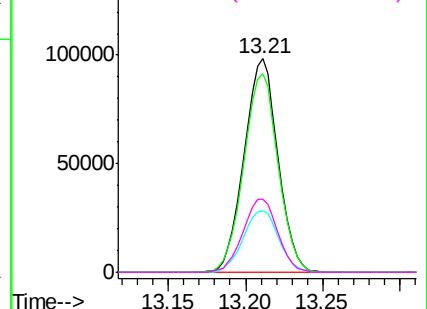
#67
 1,3,5-Trichlorobenzene
 Concen: 9.315 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU040000.D
 Acq: 31 Aug 2020 11:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01006

Tgt Ion:180 Resp: 149274
 Ion Ratio Lower Upper
 180 100
 182 94.6 76.9 115.3
 184 30.3 24.6 36.8
 145 35.0 27.0 40.6

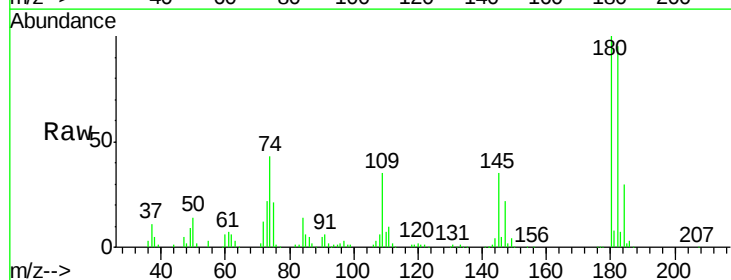


Abundance Ion 180.00 (179.70 to 180.70): V
 150000
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

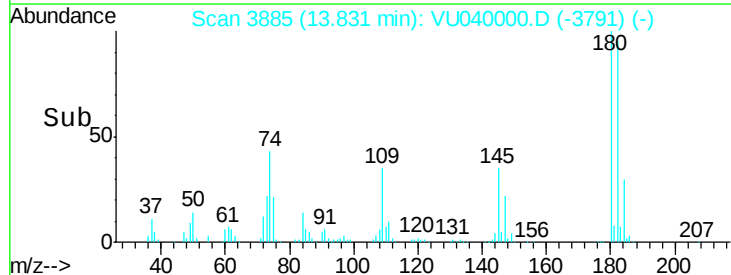
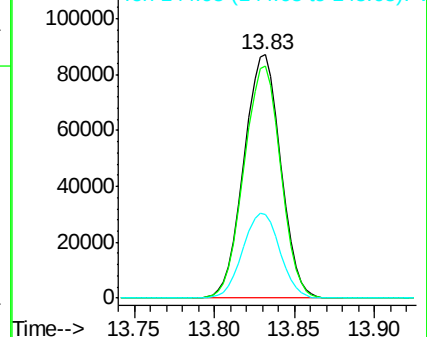


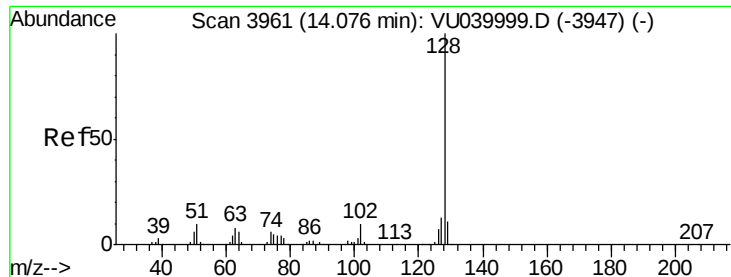
#68
 1,2,4-trichlorobenzene
 Concen: 9.958 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040000.D
 Acq: 31 Aug 2020 11:01

Tgt Ion:180 Resp: 136772
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.0 114.0
 145 35.2 28.4 42.6



Abundance Ion 179.90 (179.60 to 180.60): V
 120000
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 10.976 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040000.D

Acq: 31 Aug 2020 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD01006

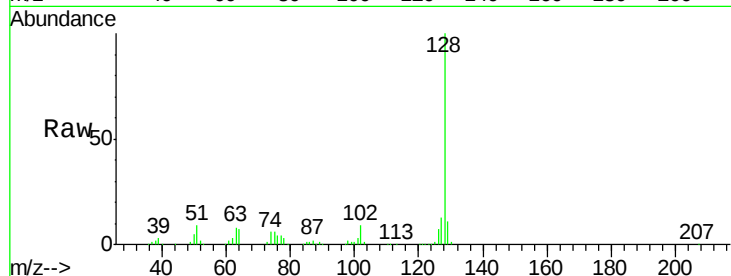
Tgt Ion:128 Resp: 287336

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

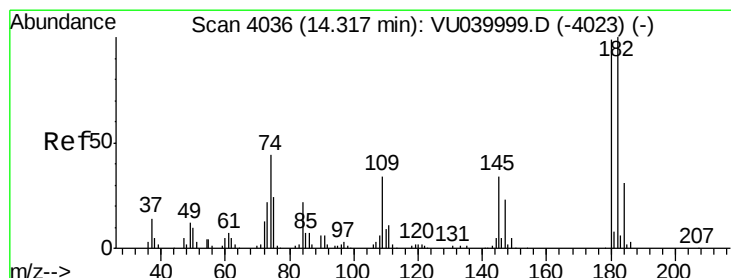
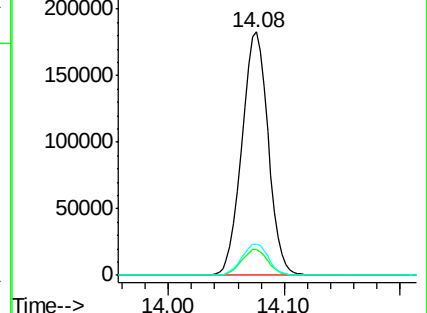
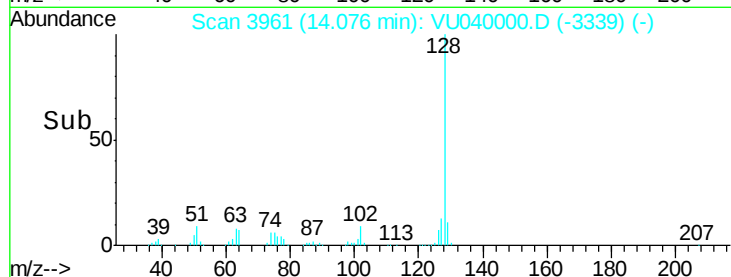
127 13.1 10.7 16.1



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: 9.515 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU040000.D

Acq: 31 Aug 2020 11:01

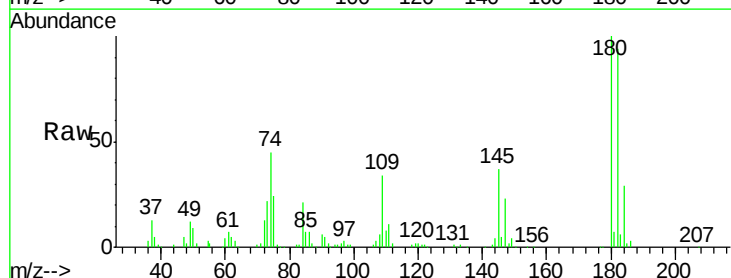
Tgt Ion:180 Resp: 121769

Ion Ratio Lower Upper

180 100

182 94.3 77.8 116.6

145 37.0 28.7 43.1



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

