

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU083120\
 Data File : VU040001.D
 Acq On : 31 Aug 2020 11:25
 Operator : SY/MD
 Sample : VSTD02001
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02001

Quant Time: Aug 31 17:59:27 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	123647	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	121955	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	60842	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	140105	13.82	ug/L	0.00
7) Chloroethane-d5	1.92	69	111344	13.29	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	374691	18.32	ug/L	0.00
20) 2-Butanone-d5	4.65	46	577645	171.10	ug/L	0.00
24) Chloroform-d	5.08	84	335399	17.68	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	195148	17.00	ug/L	0.00
32) Benzene-d6	5.74	84	609906	17.17	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	198065	16.87	ug/L	0.00
41) Toluene-d8	7.91	98	550302	17.84	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	92023	18.53	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	471654	189.01	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	173879	16.74	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	200620	17.36	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	265569	20.709 ug/L	100
3) Chloromethane	1.53	50	246611	17.450 ug/L	100
5) Vinyl chloride	1.61	62	256782	19.264 ug/L	96
6) Bromomethane	1.87	94	136021	17.974 ug/L	94
8) Chloroethane	1.94	64	141423	16.407 ug/L	100
9) Trichlorofluoromethane	2.15	101	368858	18.407 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	235447	21.061 ug/L	99
12) 1,1-Dichloroethene	2.59	96	209996	19.700 ug/L	94
13) Acetone	2.66	43	513107	208.801 ug/L	97
14) Carbon disulfide	2.81	76	659876	19.266 ug/L	100
15) Methyl Acetate	2.97	43	128755	21.070 ug/L	98
16) Methylene chloride	3.06	84	236035	16.079 ug/L	96
17) Methyl tert-butyl Ether	3.38	73	650526	23.507 ug/L	100
18) trans-1,2-Dichloroethene	3.37	96	220911	19.950 ug/L	99
19) 1,1-Dichloroethane	3.89	63	449038	21.445 ug/L	100
21) 2-Butanone	4.73	43	883110	211.427 ug/L	99
22) cis-1,2-Dichloroethene	4.69	96	245124	21.009 ug/L	97
23) Bromochloromethane	4.99	128	107072	19.704 ug/L	98
25) Chloroform	5.11	83	463091	21.613 ug/L	100
27) 1,2-Dichloroethane	5.81	62	337926	22.248 ug/L	99
29) 1,1,1-Trichloroethane	5.33	97	413079	22.509 ug/L	100
30) Cyclohexane	5.41	56	420318	23.339 ug/L	98
31) Carbon tetrachloride	5.54	117	352354	21.903 ug/L	98
33) Benzene	5.79	78	929433	20.879 ug/L	100
34) Trichloroethene	6.56	95	254224	21.839 ug/L	97
35) Methylcyclohexane	6.77	83	402237	22.689 ug/L	97
37) 1,2-Dichloropropane	6.80	63	256248	21.430 ug/L	100
38) Bromodichloromethane	7.11	83	348611	22.784 ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	395479	23.448 ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	2157678	224.945 ug/L	100

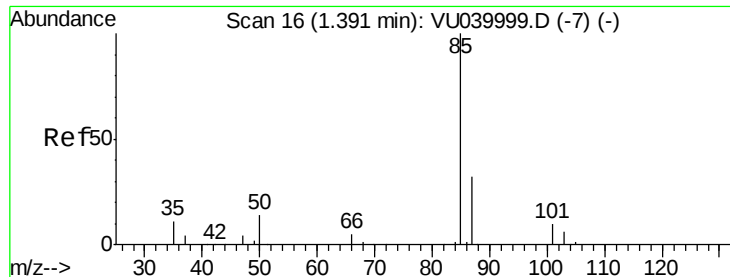
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU083120\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	983157	21.551	ug/L	100
44) trans-1,3-Dichloropropene	8.22	75	364395	22.874	ug/L	96
45) 1,1,2-Trichloroethane	8.41	97	184028	20.404	ug/L	99
47) Tetrachloroethene	8.56	164	163561	19.518	ug/L	96
48) 2-Hexanone	8.69	43	1574275	227.707	ug/L	100
49) Dibromochloromethane	8.82	129	225451	21.051	ug/L	98
50) 1,2-Dibromoethane	8.93	107	179384	20.892	ug/L	97
51) Chlorobenzene	9.45	112	613408	20.818	ug/L	98
52) Ethylbenzene	9.57	91	1138489	22.743	ug/L	98
53) m,p-Xylene	9.70	106	410975	21.750	ug/L	99
54) o-Xylene	10.10	106	398779	22.237	ug/L	99
55) Styrene	10.11	104	703832	22.689	ug/L	98
56) Isopropylbenzene	10.48	105	1113853	23.074	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.78	83	239778	20.789	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	184467	21.328	ug/L	98
61) Bromoform	10.29	173	122218	22.644	ug/L	97
62) 1,3-Dichlorobenzene	11.74	146	475919	21.213	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	482377	21.082	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	466702	21.449	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	50492	26.708	ug/L	96
67) 1,3,5-Trichlorobenzene	13.21	180	344023	20.713	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	310498	21.813	ug/L	100
69) Naphthalene	14.08	128	695748	25.643	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	278939	21.031	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 20.709 ug/L

RT: 1.39 min Scan# 16

Delta R.T. -0.00 min

Lab File: VU040001.D

Acq: 31 Aug 2020 11:25

Instrument :

MSVOA_U

ClientSampleId :

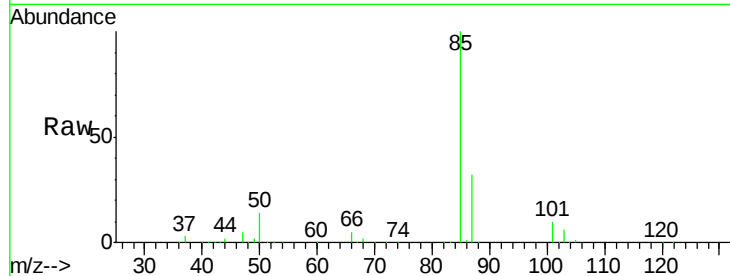
VSTD02001

Tgt Ion: 85 Resp: 265569

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

1.39

250000

200000

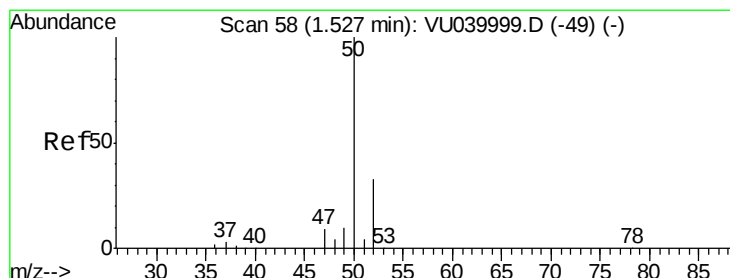
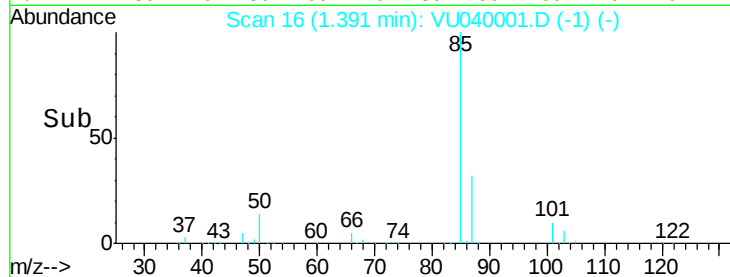
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 17.450 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040001.D

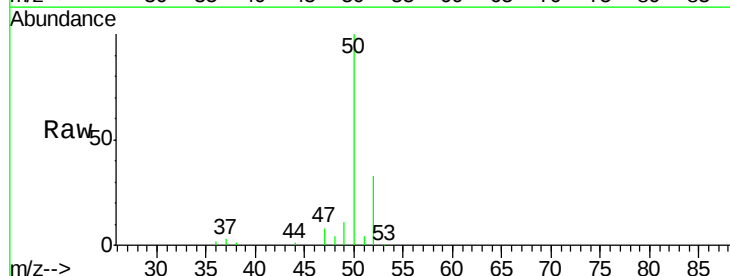
Acq: 31 Aug 2020 11:25

Tgt Ion: 50 Resp: 246611

Ion Ratio Lower Upper

50 100

52 32.8 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0

1.53

250000

200000

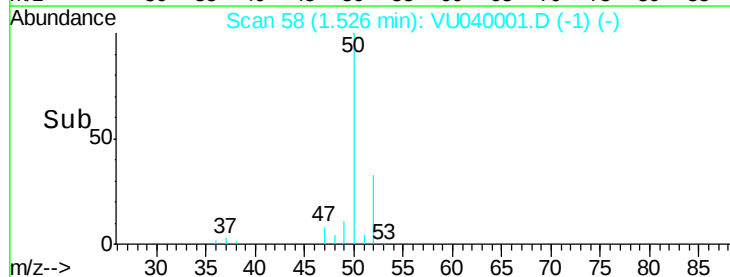
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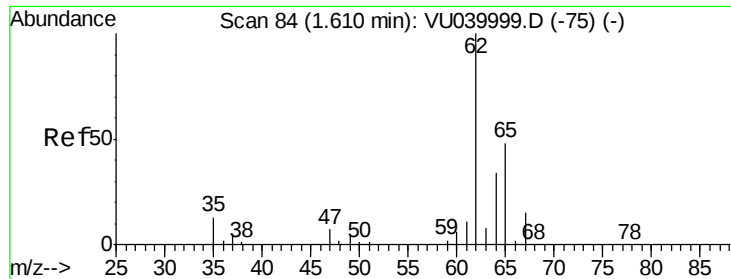
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 19.264 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040001.D

Acq: 31 Aug 2020 11:25

Instrument :

MSVOA_U

ClientSampleId :

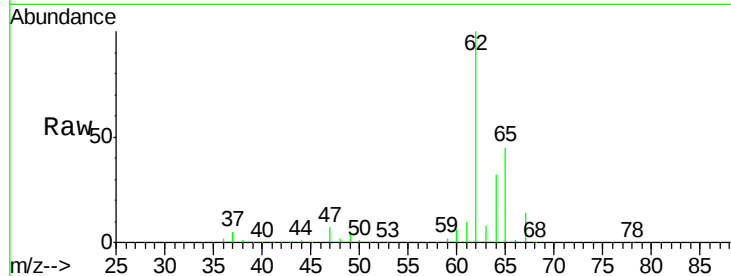
VSTD02001

Tgt Ion: 62 Resp: 256782

Ion Ratio Lower Upper

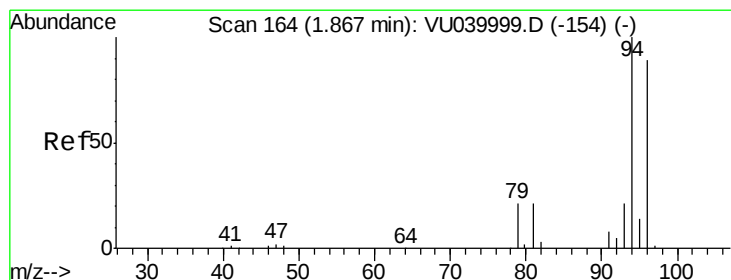
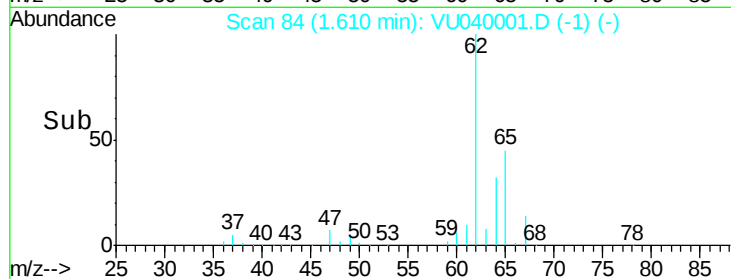
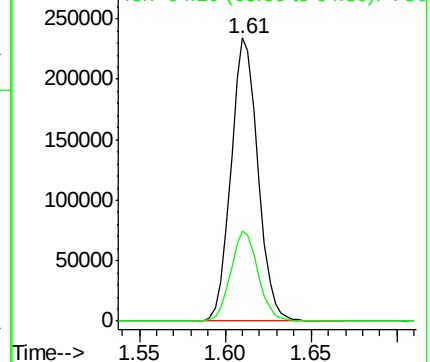
62 100

64 32.0 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 17.974 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU040001.D

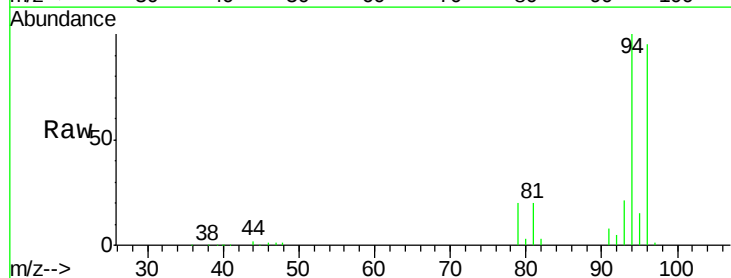
Acq: 31 Aug 2020 11:25

Tgt Ion: 94 Resp: 136021

Ion Ratio Lower Upper

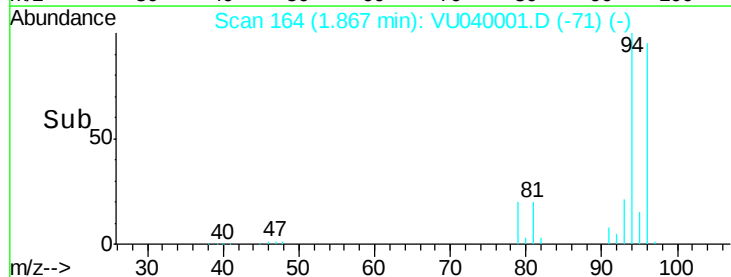
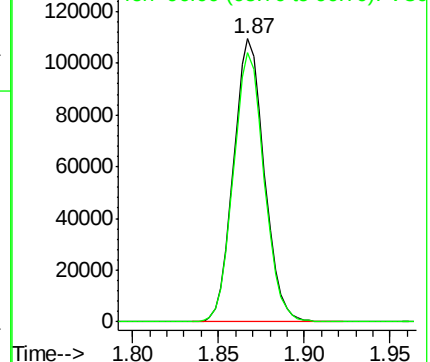
94 100

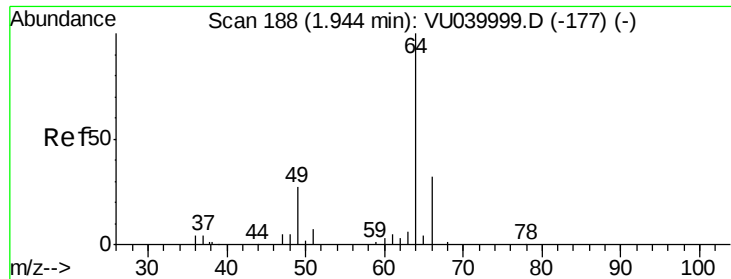
96 95.1 62.3 115.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 16.407 ug/L

RT: 1.94 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU040001.D

Acq: 31 Aug 2020 11:25

Instrument :

MSVOA_U

ClientSampleId :

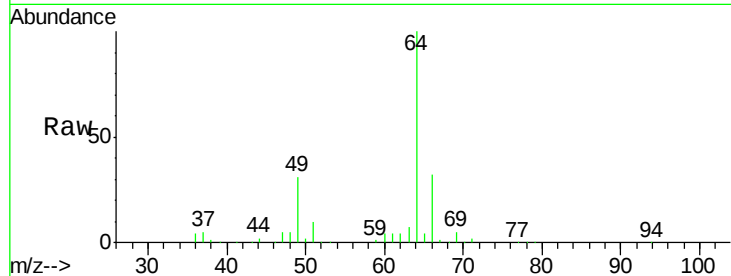
VSTD02001

Tgt Ion: 64 Resp: 141423

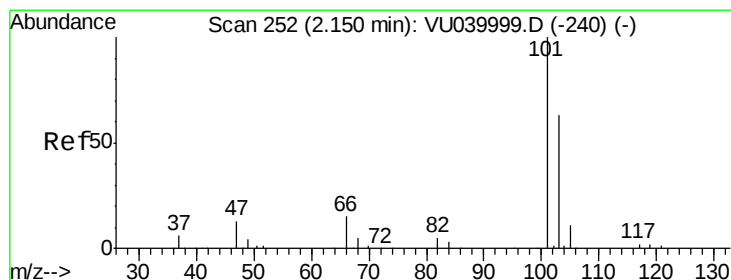
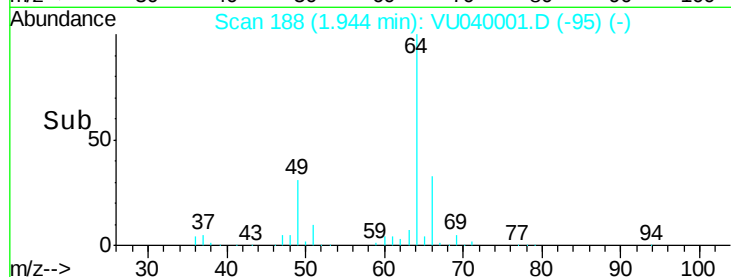
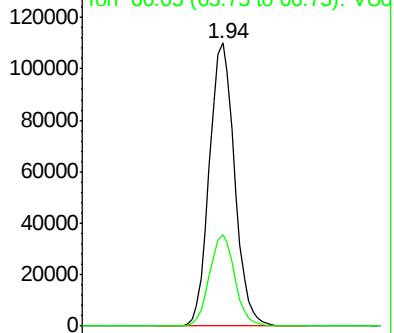
Ion Ratio Lower Upper

64 100

66 32.5 22.7 42.1



Abundance Ion 64.10 (63.80 to 64.80): VU040001.D (-95) (-)



#9

Trichlorofluoromethane

Concen: 18.407 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU040001.D

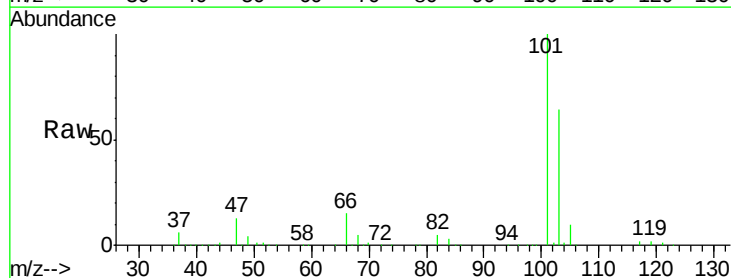
Acq: 31 Aug 2020 11:25

Tgt Ion: 101 Resp: 368858

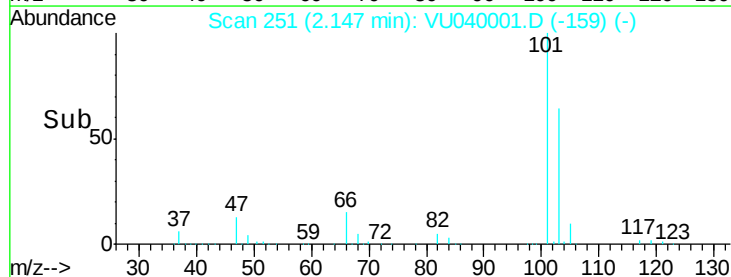
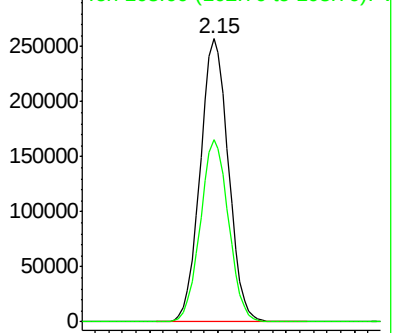
Ion Ratio Lower Upper

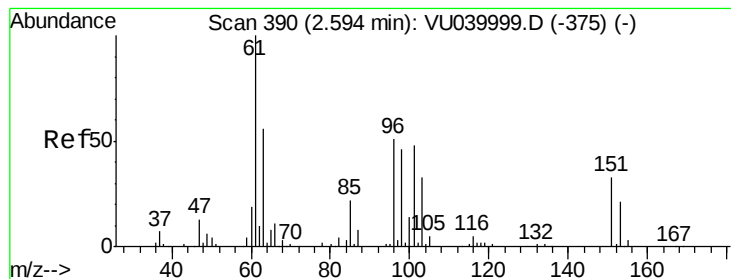
101 100

103 64.4 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VU040001.D (-159) (-)





#10

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

Concen: 21.061 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040001.D

Acq: 31 Aug 2020 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD02001

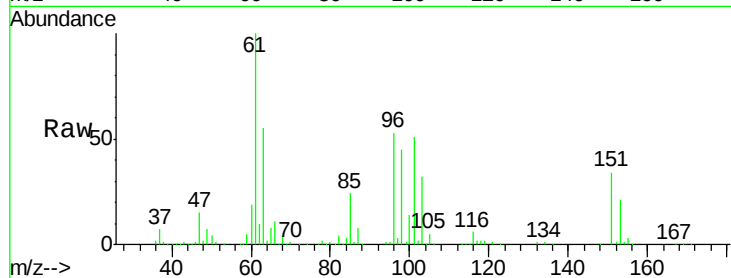
Tgt Ion: 101 Resp: 235447

Ion Ratio Lower Upper

101 100

85 47.4 37.7 56.5

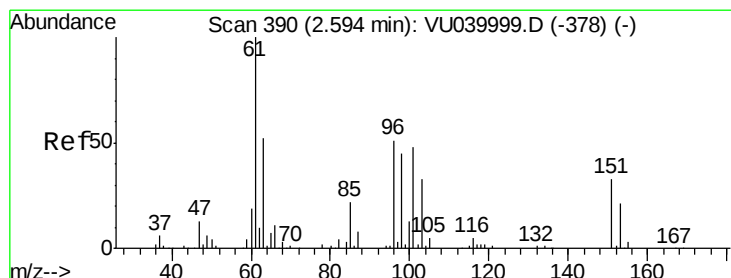
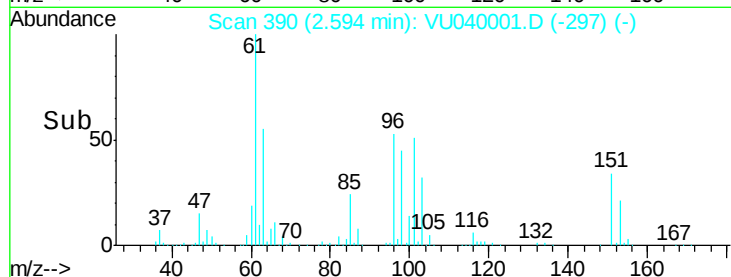
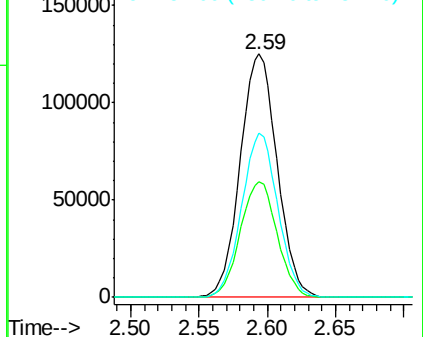
151 66.1 53.9 80.9



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: 19.700 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040001.D

Acq: 31 Aug 2020 11:25

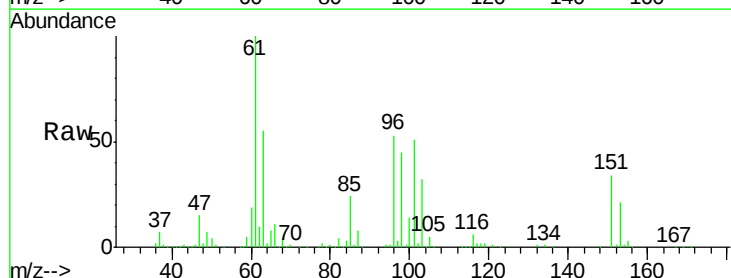
Tgt Ion: 96 Resp: 209996

Ion Ratio Lower Upper

96 100

61 189.2 138.3 256.8

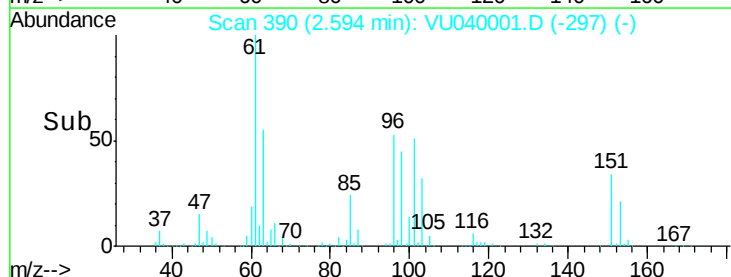
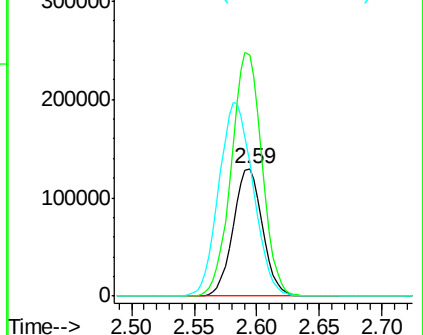
63 104.2 77.6 144.2

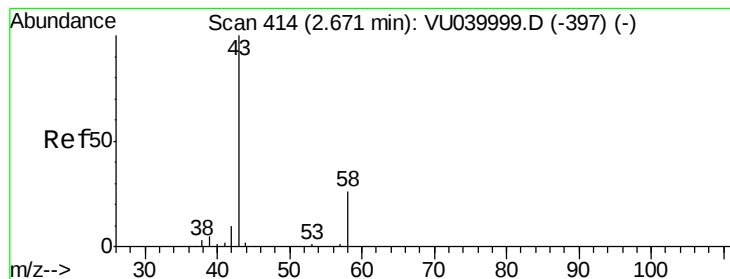


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 208.801 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU040001.D

Acq: 31 Aug 2020 11:25

Instrument :

MSVOA_U

ClientSampleId :

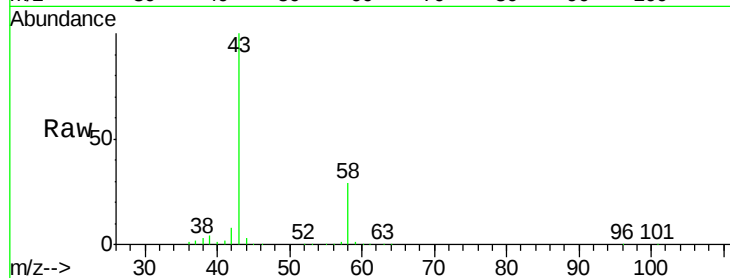
VSTD02001

Tgt Ion: 43 Resp: 513107

Ion Ratio Lower Upper

43 100

58 29.3 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.66

200000

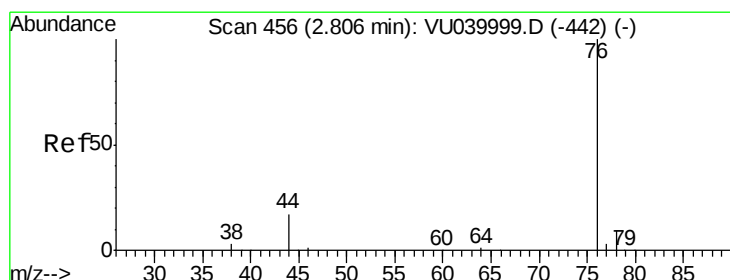
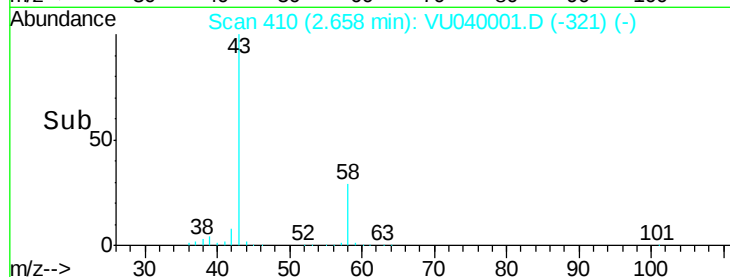
150000

100000

50000

0

Time-->



#14

Carbon disulfide

Concen: 19.266 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040001.D

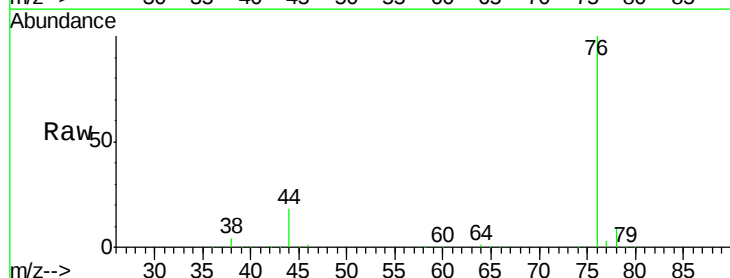
Acq: 31 Aug 2020 11:25

Tgt Ion: 76 Resp: 659876

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

2.81

400000

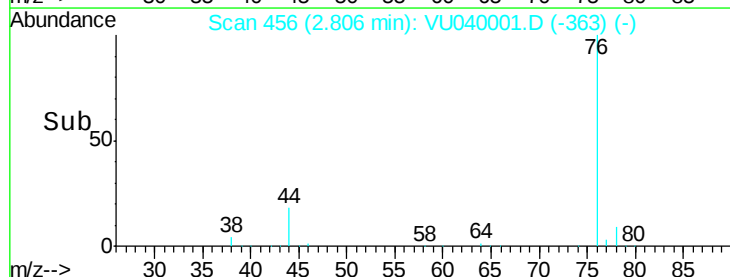
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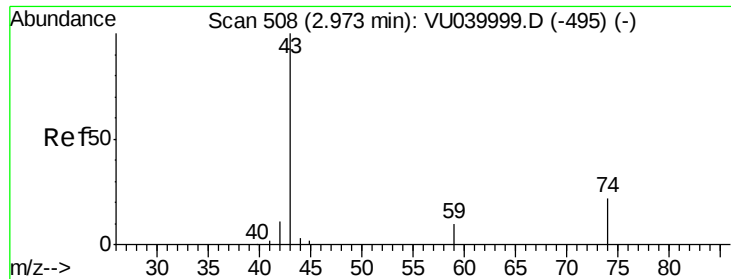
200000

100000

0

Time-->





#15

Methyl Acetate

Concen: 21.070 ug/L

RT: 2.97 min Scan# 506

Delta R.T. -0.01 min

Lab File: VU040001.D

Acq: 31 Aug 2020 11:25

Instrument :

MSVOA_U

ClientSampleId :

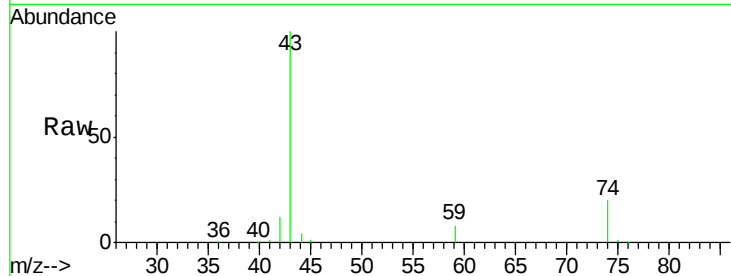
VSTD02001

Tgt Ion: 43 Resp: 128755

Ion Ratio Lower Upper

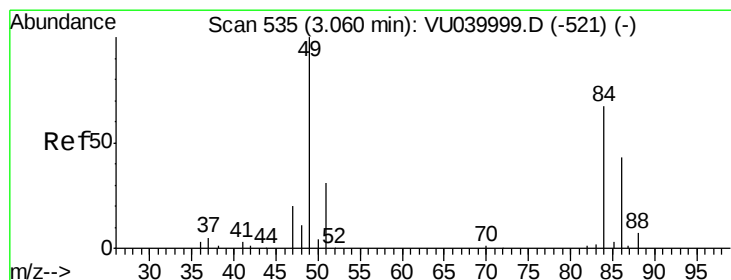
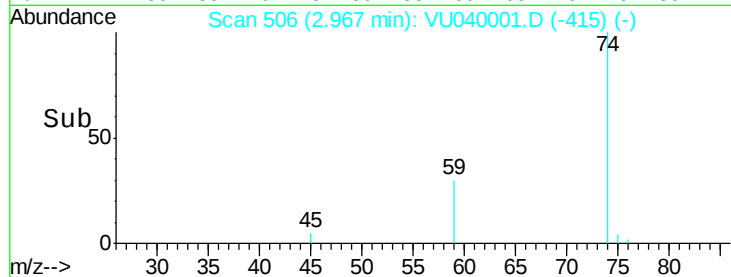
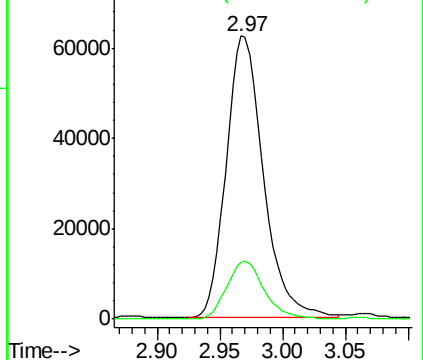
43 100

74 20.8 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: 16.079 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU040001.D

Acq: 31 Aug 2020 11:25

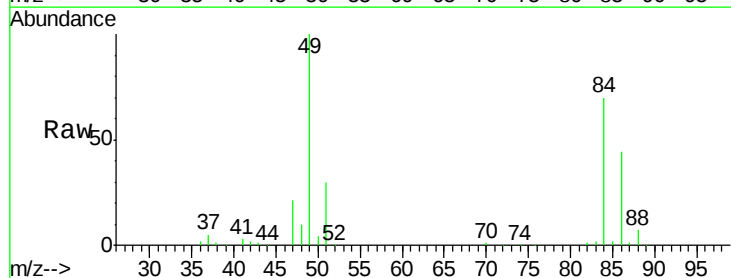
Tgt Ion: 84 Resp: 236035

Ion Ratio Lower Upper

84 100

86 63.0 45.2 84.0

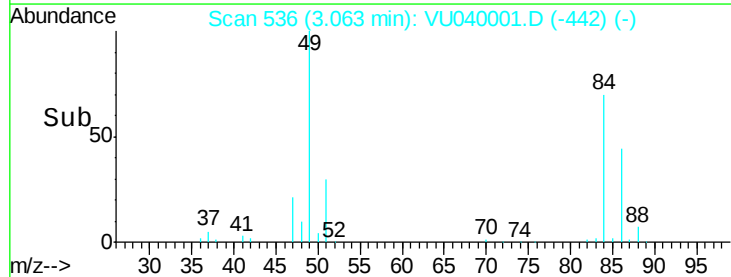
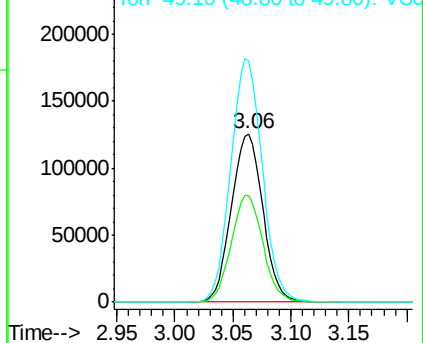
49 143.3 104.0 193.2

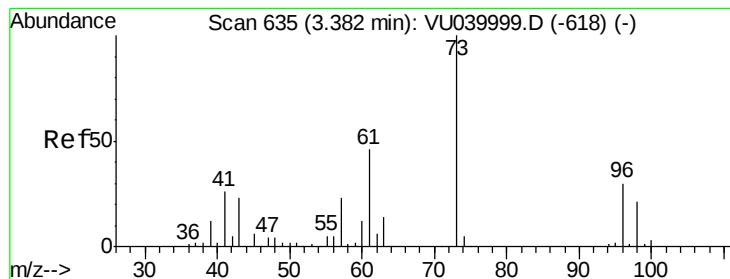


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0



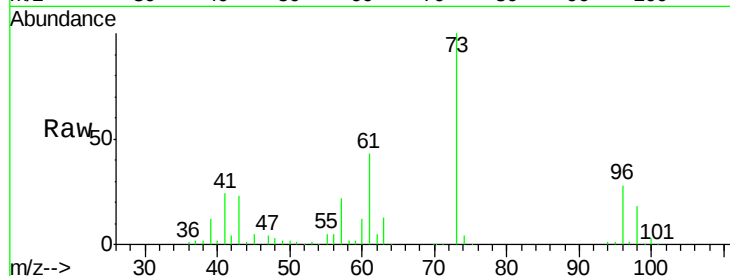


#17

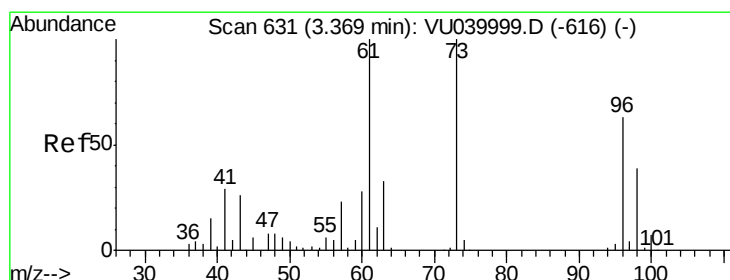
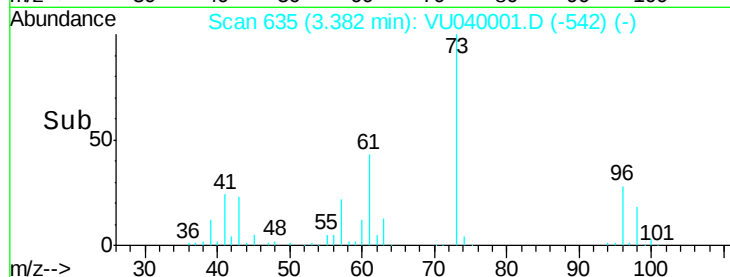
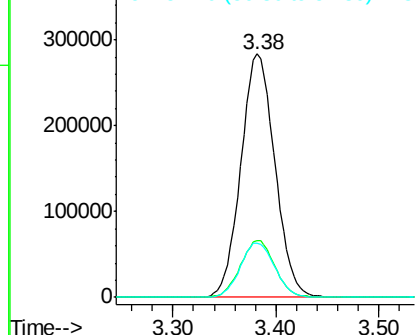
Methyl tert-butyl Ether
Concen: 23.507 ug/L
RT: 3.38 min Scan# 635
Delta R.T. -0.00 min
Lab File: VU040001.D
Acq: 31 Aug 2020 11:25

Instrument :
MSVOA_U
ClientSampleId :
VSTD02001

Tgt Ion: 73 Resp: 650526
Ion Ratio Lower Upper
73 100
43 23.7 19.1 28.7
57 22.7 18.3 27.5



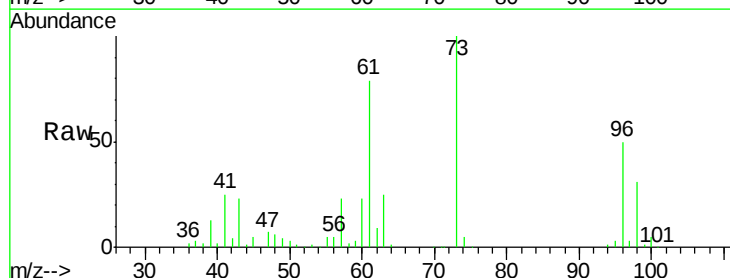
Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0



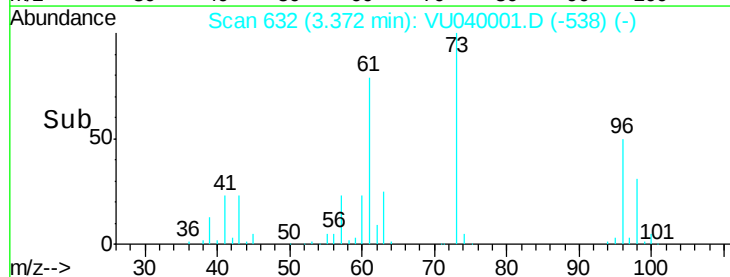
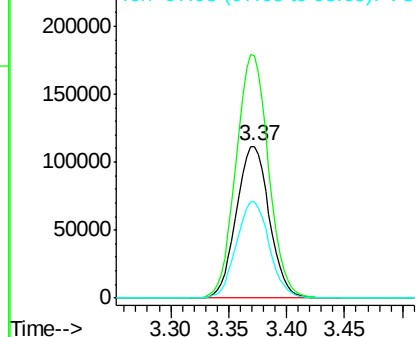
#18

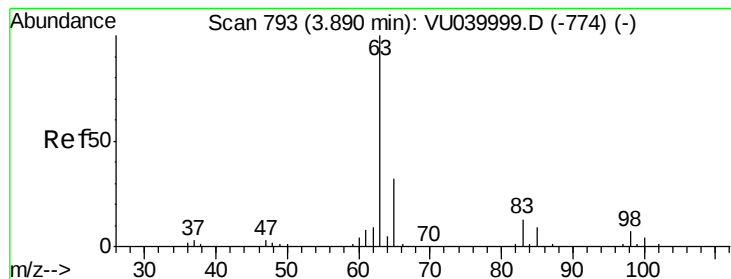
trans-1,2-Dichloroethene
Concen: 19.950 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU040001.D
Acq: 31 Aug 2020 11:25

Tgt Ion: 96 Resp: 220911
Ion Ratio Lower Upper
96 100
61 159.1 110.5 205.3
98 63.4 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: 21.445 ug/L

RT: 3.89 min Scan# 793

Delta R.T. -0.00 min

Lab File: VU040001.D

Acq: 31 Aug 2020 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD02001

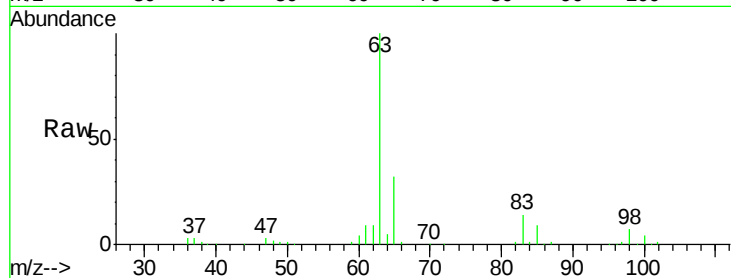
Tgt Ion: 63 Resp: 449038

Ion Ratio Lower Upper

63 100

65 32.0 22.2 41.2

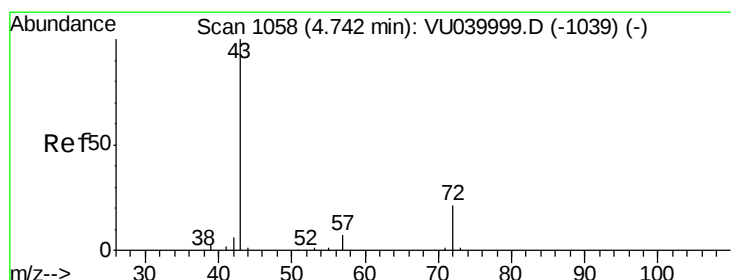
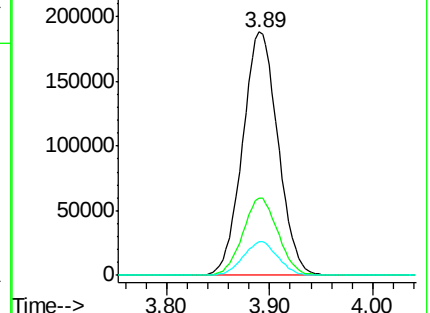
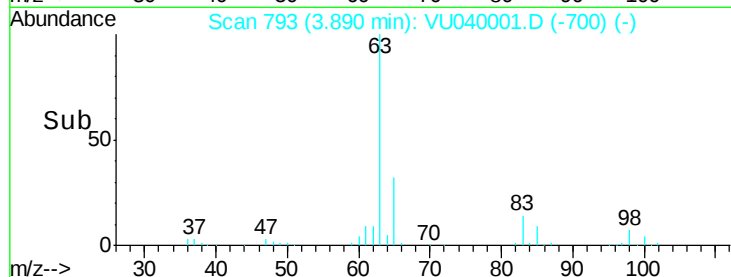
83 13.7 9.4 17.6



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: 211.427 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. -0.01 min

Lab File: VU040001.D

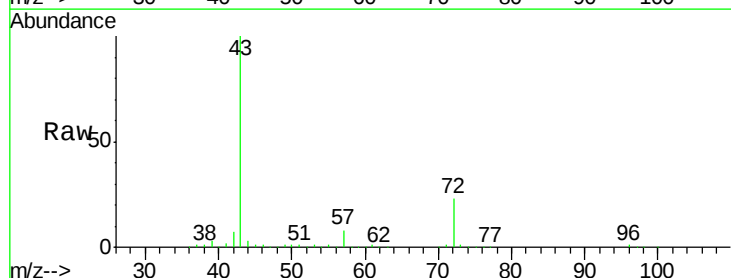
Acq: 31 Aug 2020 11:25

Tgt Ion: 43 Resp: 883110

Ion Ratio Lower Upper

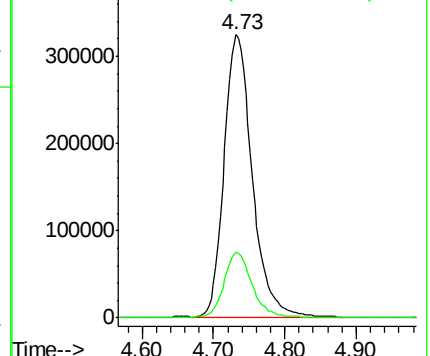
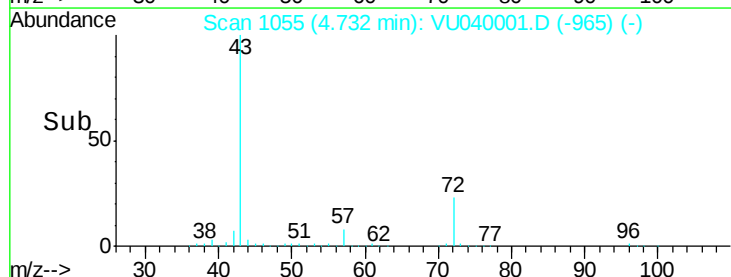
43 100

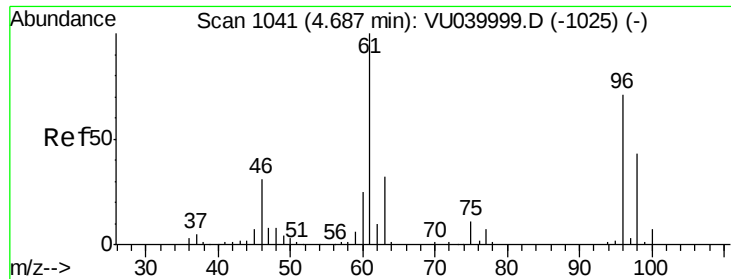
72 23.7 11.7 35.0



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: 21.009 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VU040001.D

Acq: 31 Aug 2020 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD02001

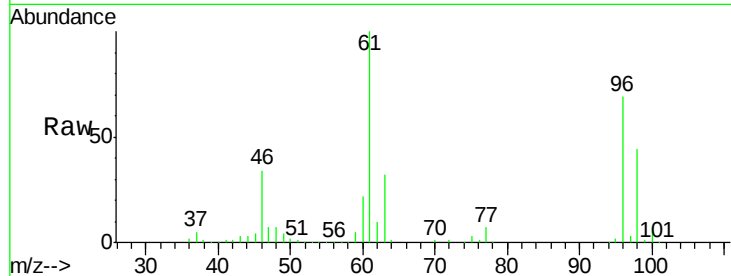
Tgt Ion: 96 Resp: 245124

Ion Ratio Lower Upper

96 100

61 144.8 98.8 183.4

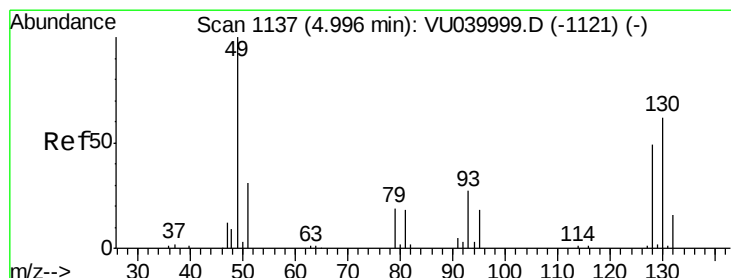
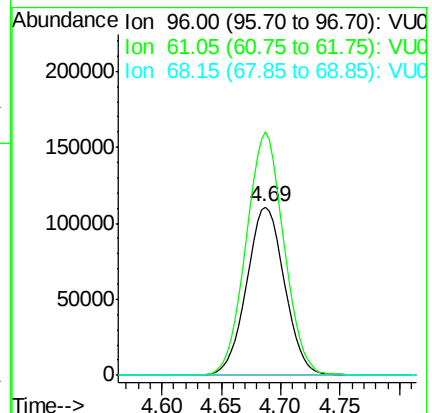
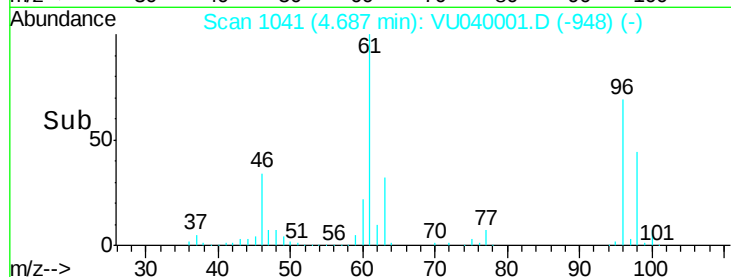
68 0.0 0.0 0.0



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: 19.704 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU040001.D

Acq: 31 Aug 2020 11:25

Tgt Ion: 128 Resp: 107072

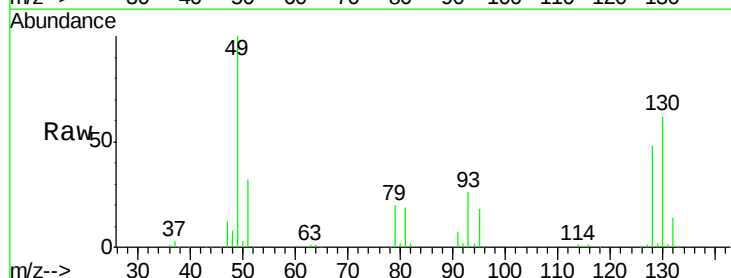
Ion Ratio Lower Upper

128 100

49 208.4 143.4 266.4

130 128.8 89.5 166.3

51 66.2 51.0 76.4

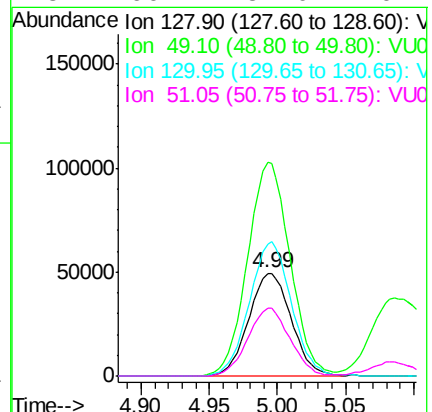
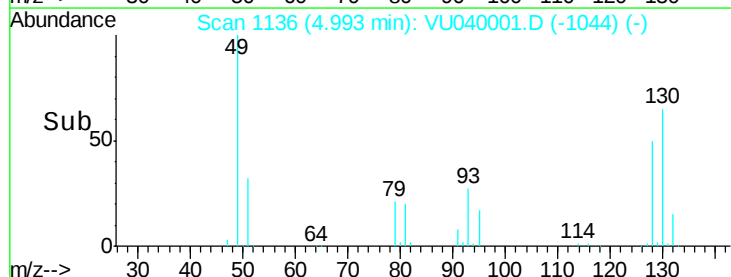


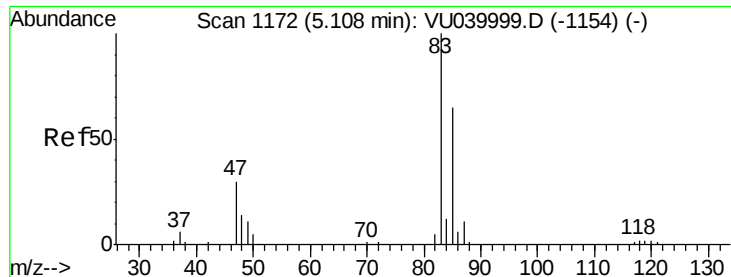
Abundance Ion 127.90 (127.60 to 128.60): V

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

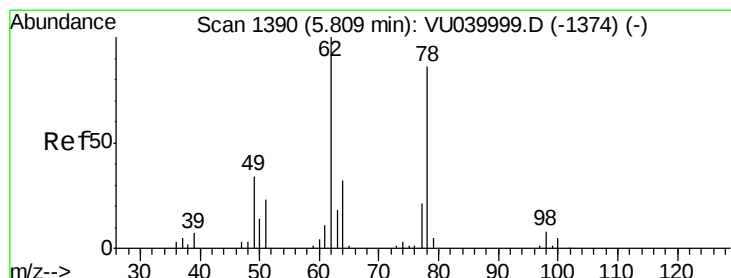
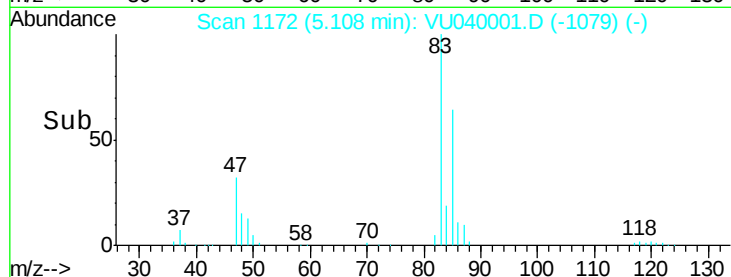
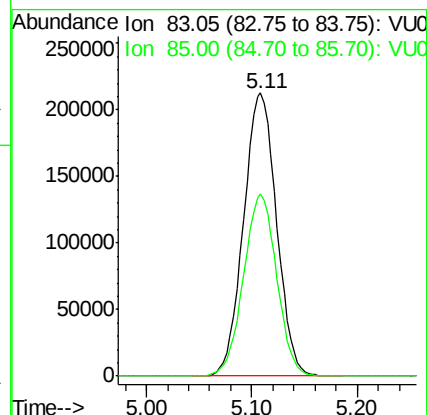
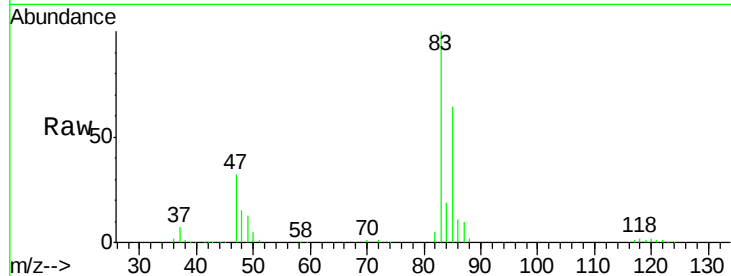




#25
Chloroform
Concen: 21.613 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VU040001.D
Acq: 31 Aug 2020 11:25

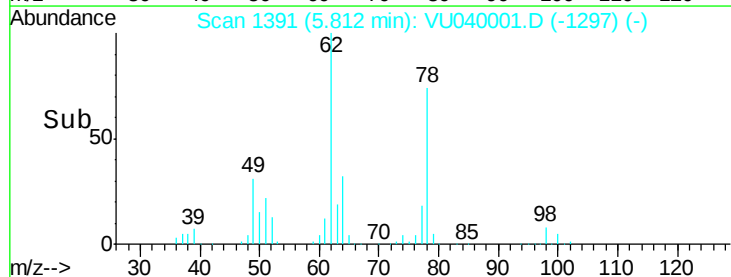
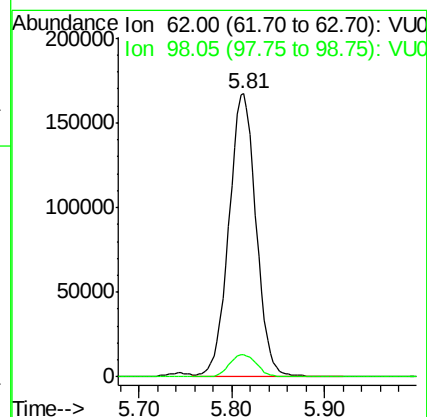
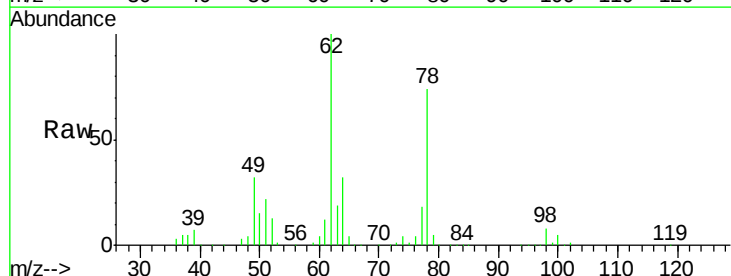
Instrument :
MSVOA_U
ClientSampleId :
VSTD02001

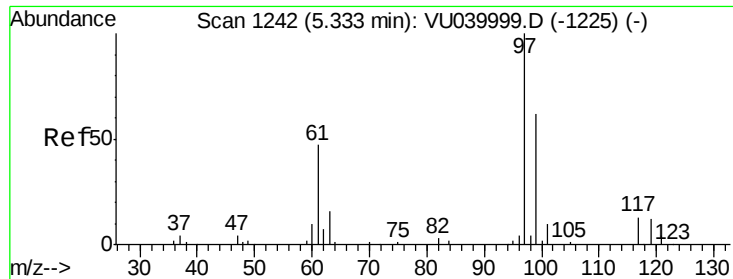
Tgt Ion: 83 Resp: 463091
Ion Ratio Lower Upper
83 100
85 64.4 45.3 84.1



#27
1,2-Dichloroethane
Concen: 22.248 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU040001.D
Acq: 31 Aug 2020 11:25

Tgt Ion: 62 Resp: 337926
Ion Ratio Lower Upper
62 100
98 8.0 6.1 9.1

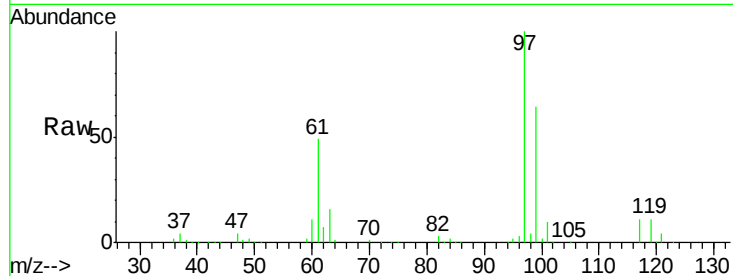




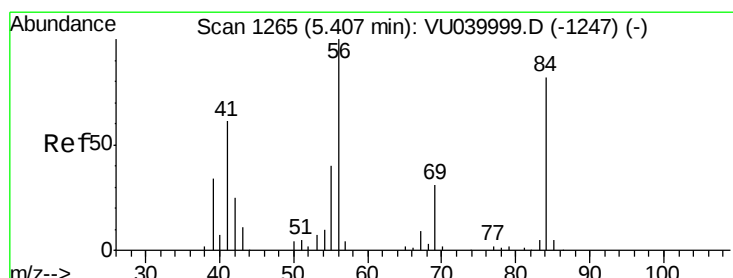
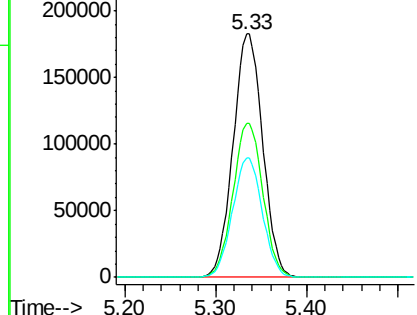
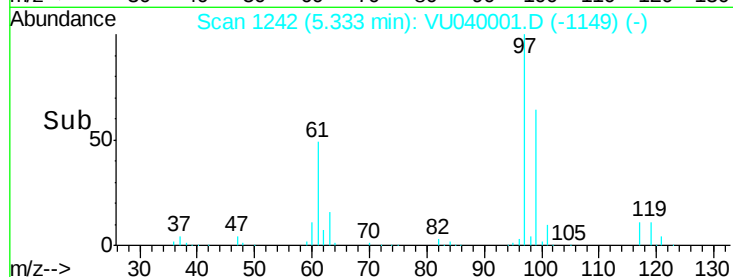
#29
 1,1,1-Trichloroethane
 Concen: 22.509 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VU040001.D
 Acq: 31 Aug 2020 11:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02001

Tgt Ion: 97 Resp: 413079
 Ion Ratio Lower Upper
 97 100
 99 63.8 50.9 76.3
 61 49.2 39.5 59.3

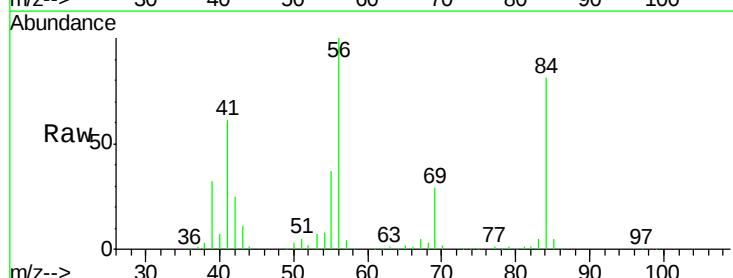


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

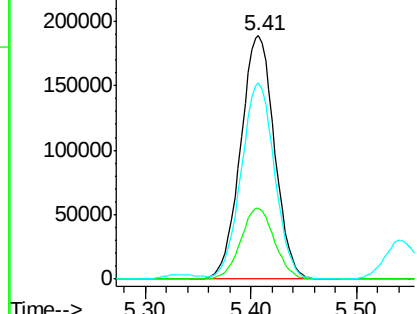
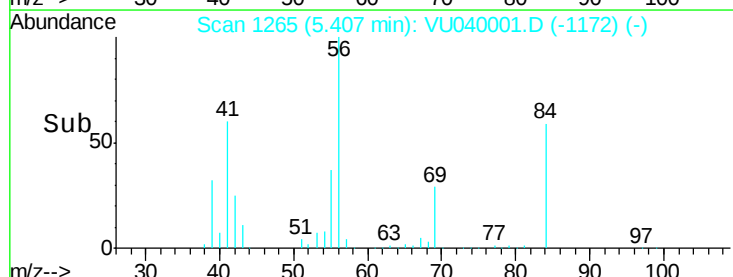


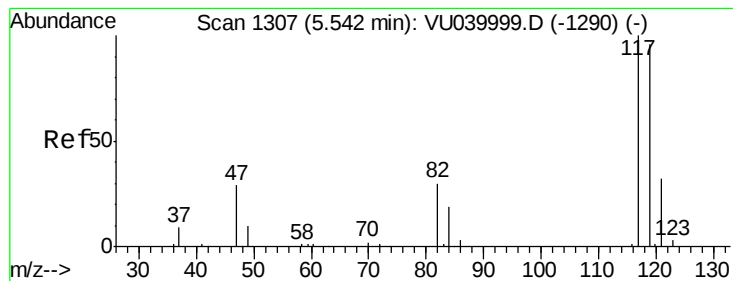
#30
 Cyclohexane
 Concen: 23.339 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VU040001.D
 Acq: 31 Aug 2020 11:25

Tgt Ion: 56 Resp: 420318
 Ion Ratio Lower Upper
 56 100
 69 29.0 24.1 36.1
 84 79.8 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: 21.903 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VU040001.D

Acq: 31 Aug 2020 11:25

Instrument :

MSVOA_U

ClientSampleId :

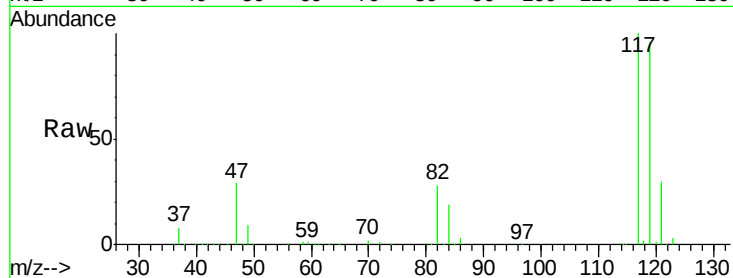
VSTD02001

Tgt Ion:117 Resp: 352354

Ion Ratio Lower Upper

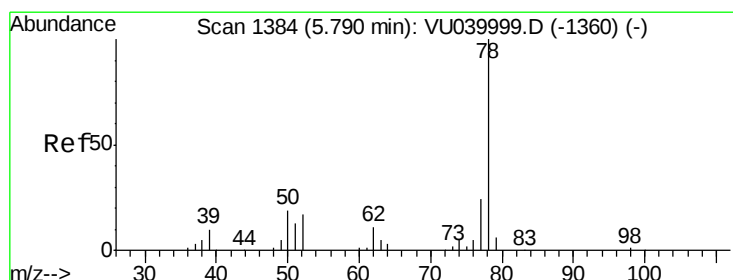
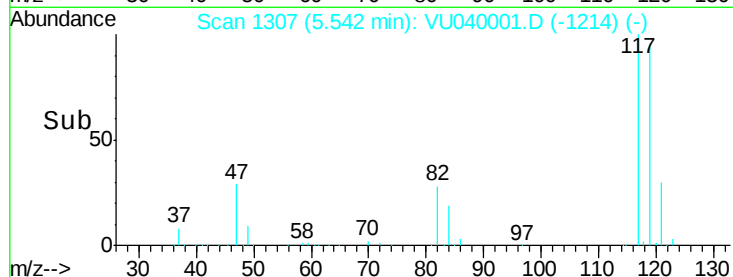
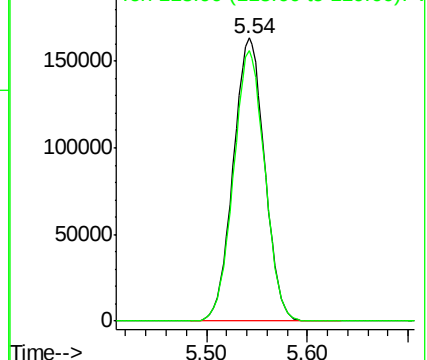
117 100

119 95.4 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 20.879 ug/L

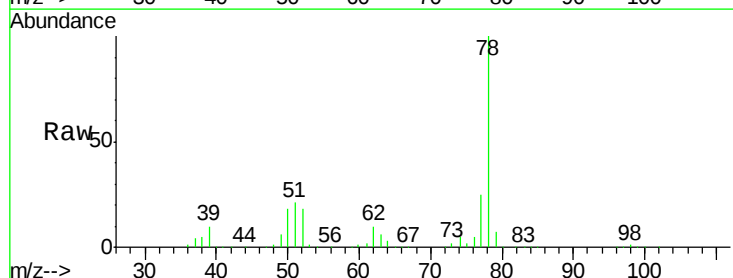
RT: 5.79 min Scan# 1384

Delta R.T. -0.00 min

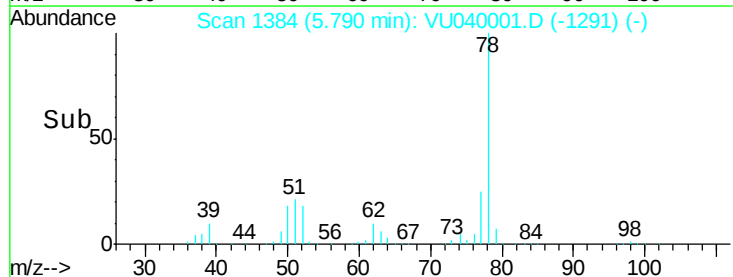
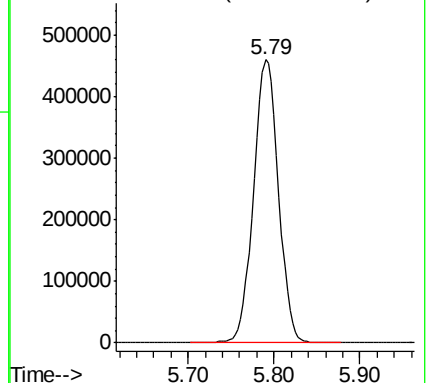
Lab File: VU040001.D

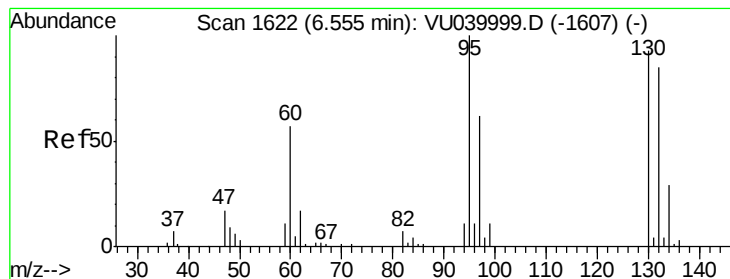
Acq: 31 Aug 2020 11:25

Tgt Ion: 78 Resp: 929433



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 21.839 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. -0.00 min

Lab File: VU040001.D

Acq: 31 Aug 2020 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD02001

Tgt Ion: 95 Resp: 254224

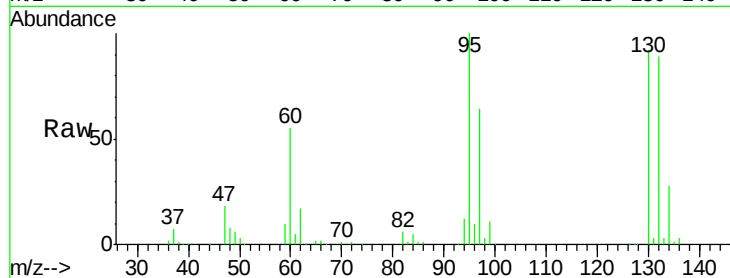
Ion Ratio Lower Upper

95 100

97 64.4 43.3 80.5

132 88.6 59.4 110.4

130 91.8 64.8 120.4

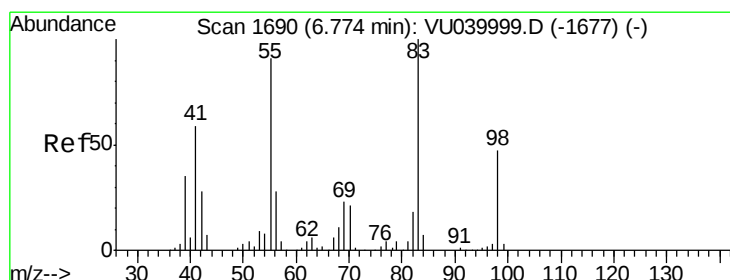
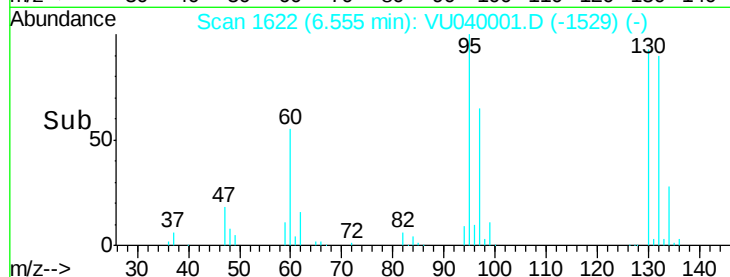
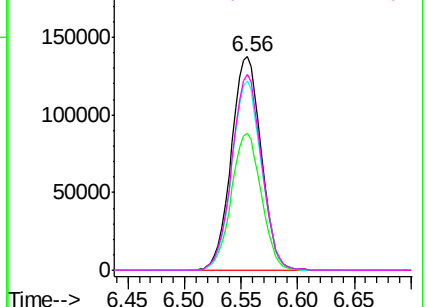


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 22.689 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VU040001.D

Acq: 31 Aug 2020 11:25

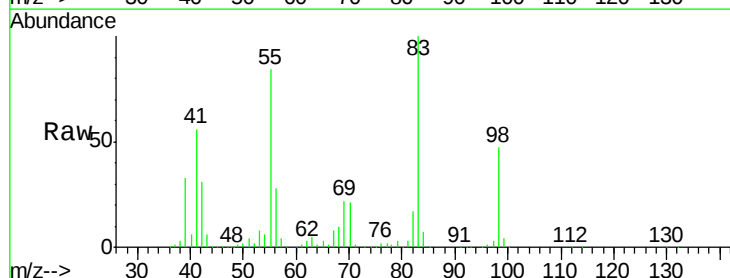
Tgt Ion: 83 Resp: 402237

Ion Ratio Lower Upper

83 100

55 84.7 70.5 105.7

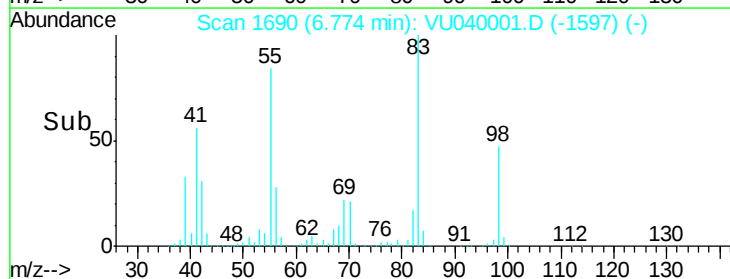
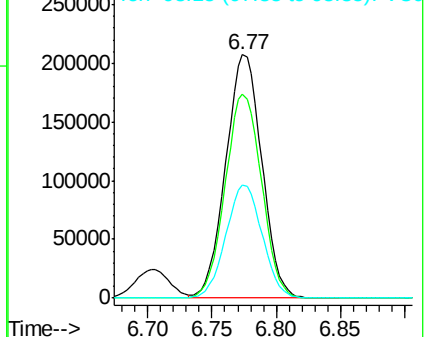
98 46.8 37.8 56.6

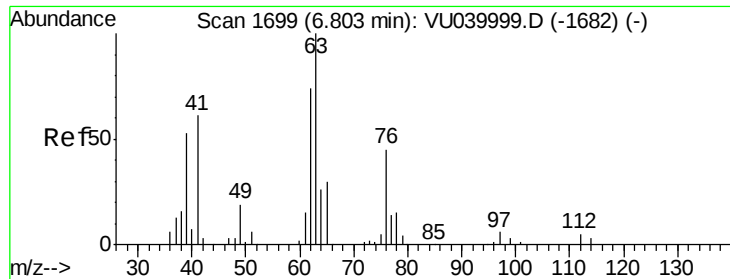


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

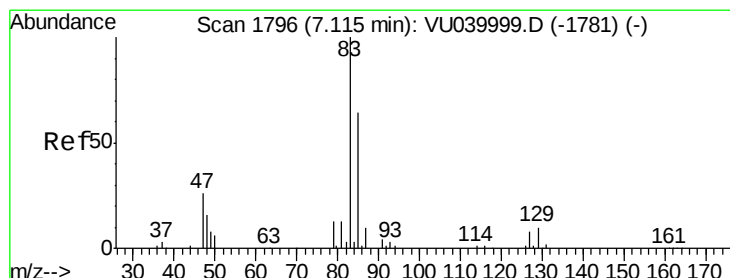
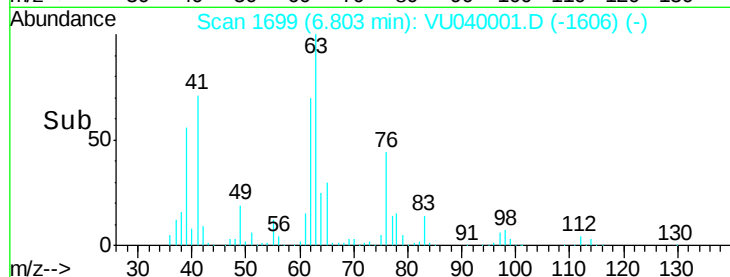
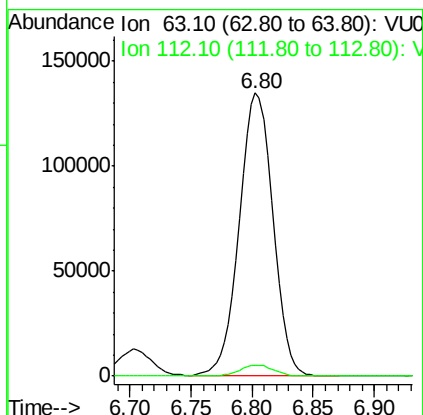
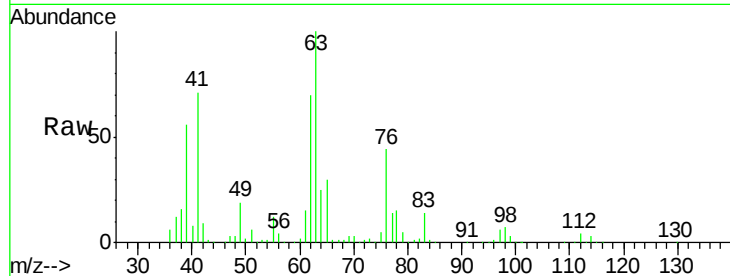




#37
 1,2-Dichloropropane
 Concen: 21.430 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU040001.D
 Acq: 31 Aug 2020 11:25

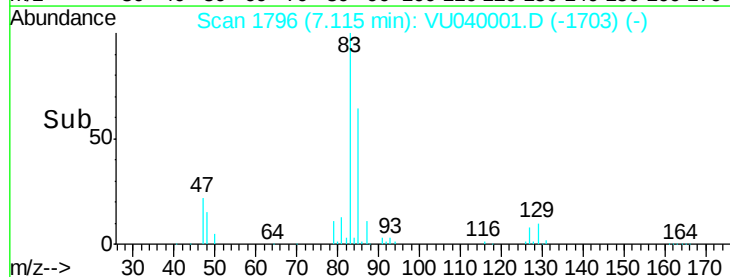
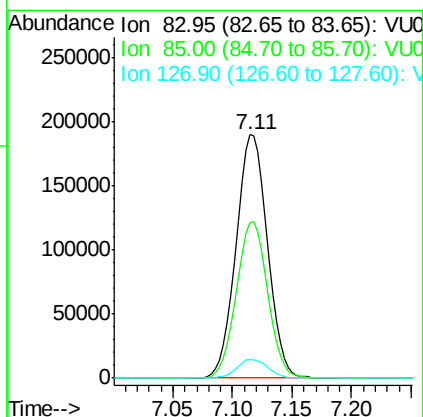
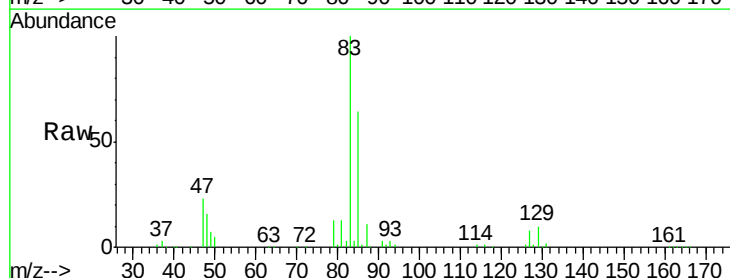
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02001

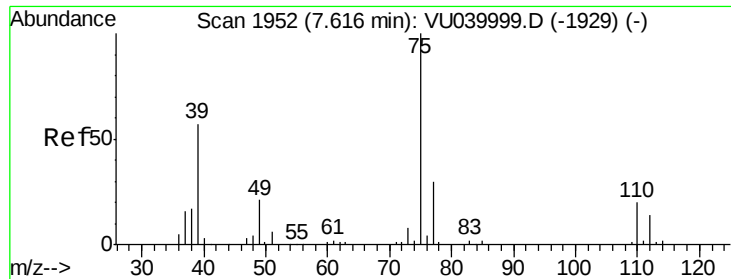
Tgt Ion: 63 Resp: 256248
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.2 4.8



#38
 Bromodichloromethane
 Concen: 22.784 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU040001.D
 Acq: 31 Aug 2020 11:25

Tgt Ion: 83 Resp: 348611
 Ion Ratio Lower Upper
 83 100
 85 64.0 45.1 83.9
 127 7.8 6.7 10.1

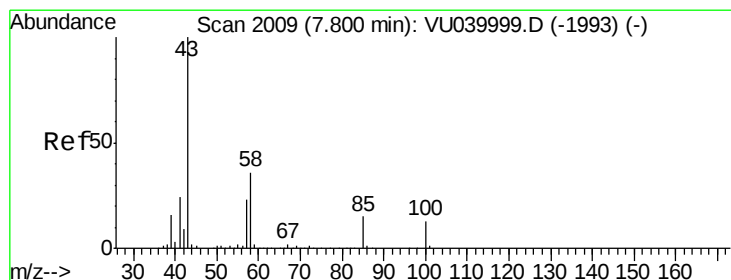
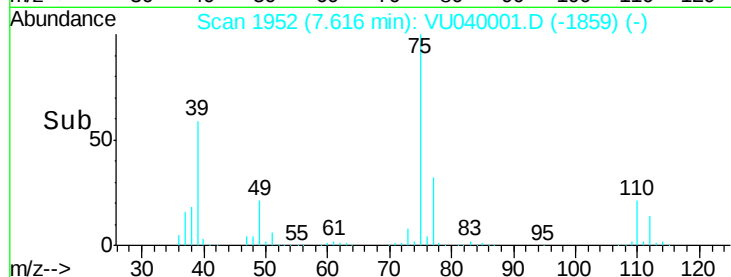
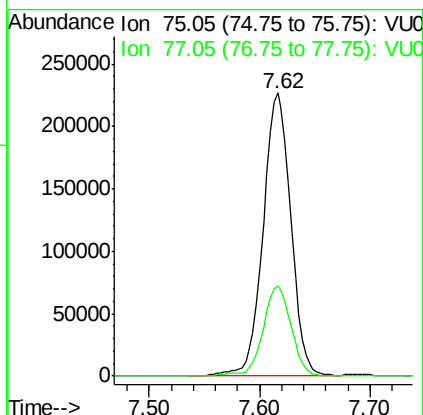
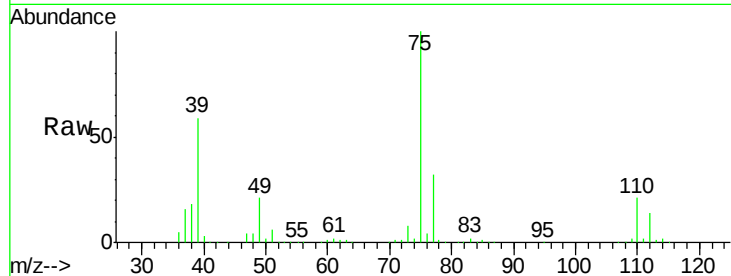




#39
 cis-1,3-Dichloropropene
 Concen: 23.448 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU040001.D
 Acq: 31 Aug 2020 11:25

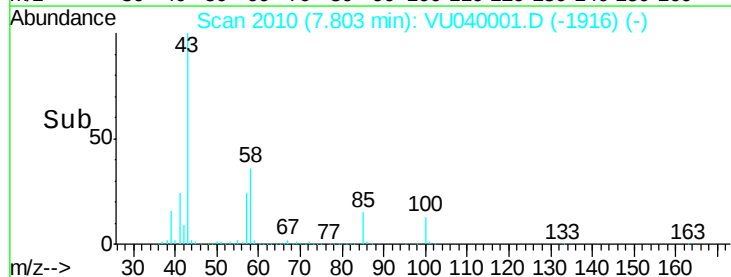
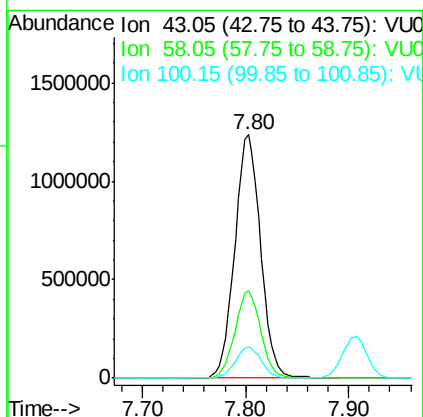
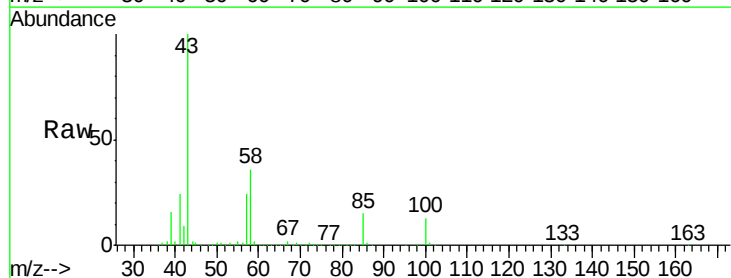
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02001

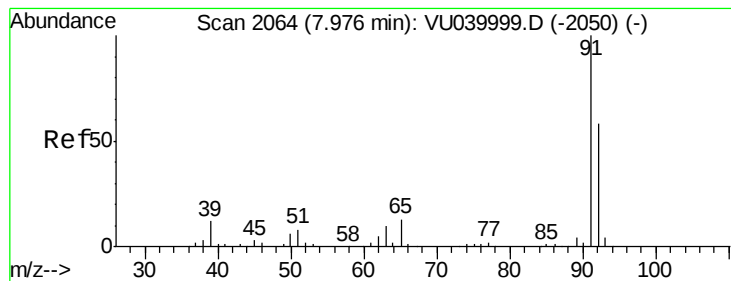
Tgt Ion: 75 Resp: 395479
 Ion Ratio Lower Upper
 75 100
 77 31.7 21.1 39.3



#40
 4-Methyl-2-pentanone
 Concen: 224.945 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU040001.D
 Acq: 31 Aug 2020 11:25

Tgt Ion: 43 Resp: 2157678
 Ion Ratio Lower Upper
 43 100
 58 35.9 28.7 43.1
 100 12.8 10.2 15.2





#42

Toluene

Concen: 21.551 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU040001.D

Acq: 31 Aug 2020 11:25

Instrument :

MSVOA_U

ClientSampleId :

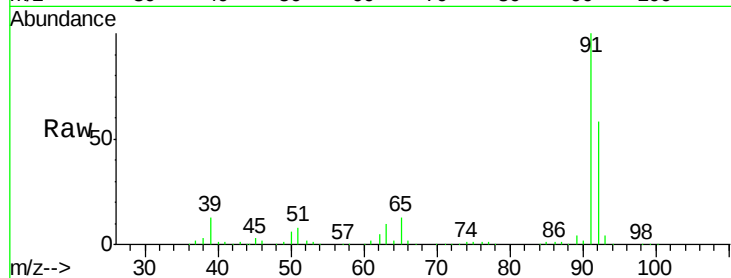
VSTD02001

Tgt Ion: 91 Resp: 983157

Ion Ratio Lower Upper

91 100

92 58.2 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.98

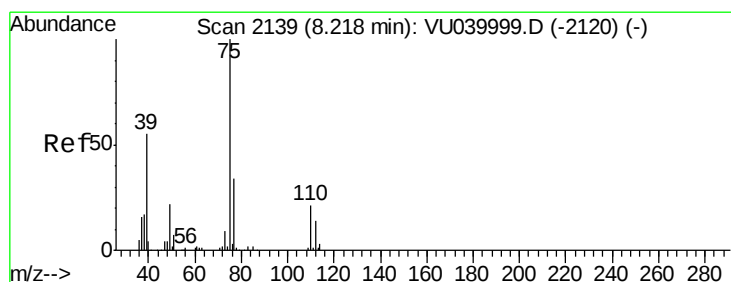
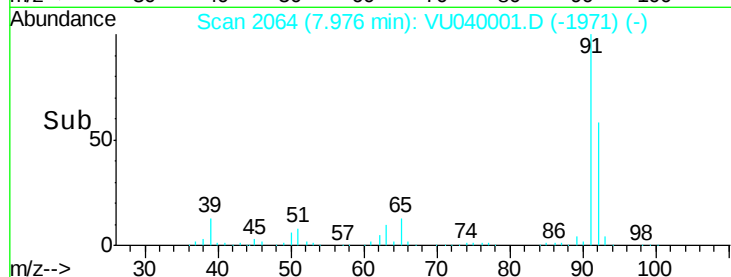
600000

400000

200000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 22.874 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU040001.D

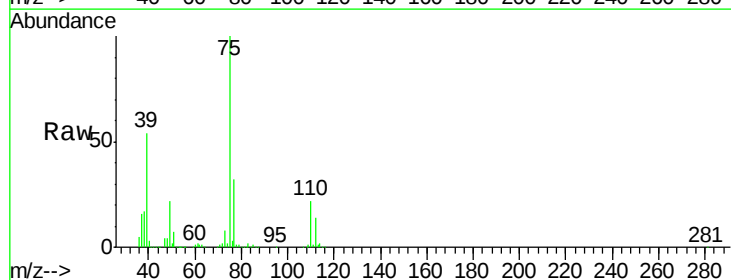
Acq: 31 Aug 2020 11:25

Tgt Ion: 75 Resp: 364395

Ion Ratio Lower Upper

75 100

77 31.8 23.9 44.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.22

250000

200000

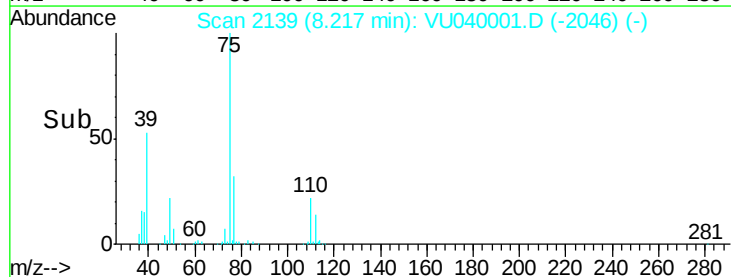
150000

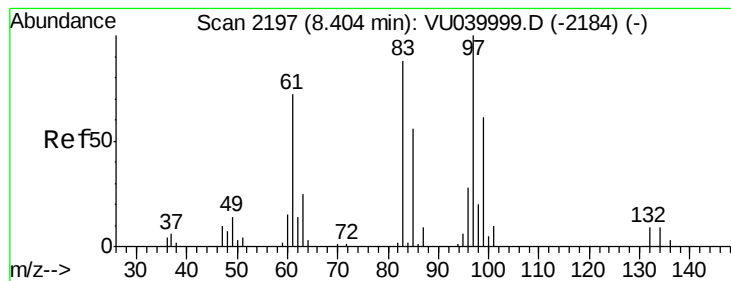
100000

50000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 20.404 ug/L

RT: 8.41 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU040001.D

Acq: 31 Aug 2020 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD02001

Tgt Ion: 97 Resp: 184028

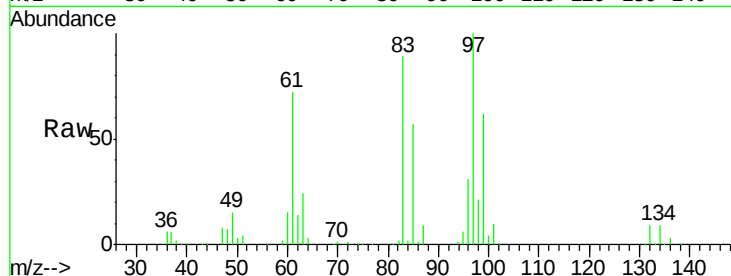
Ion Ratio Lower Upper

97 100

99 62.1 43.0 79.8

83 89.4 61.7 114.7

85 57.5 39.3 73.1



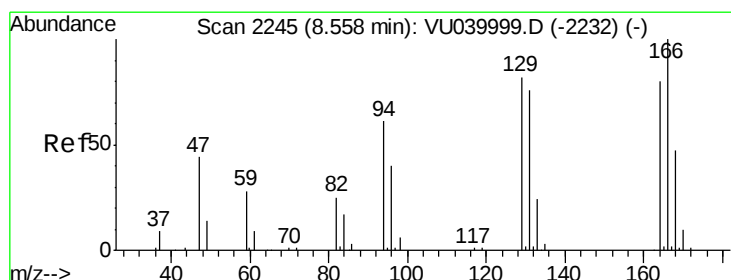
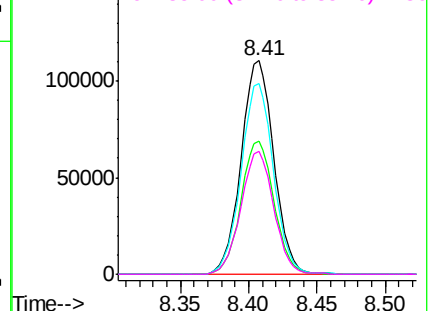
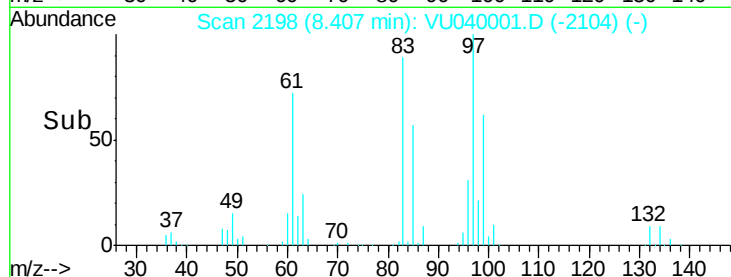
Abundance

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: 19.518 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VU040001.D

Acq: 31 Aug 2020 11:25

Tgt Ion: 164 Resp: 163561

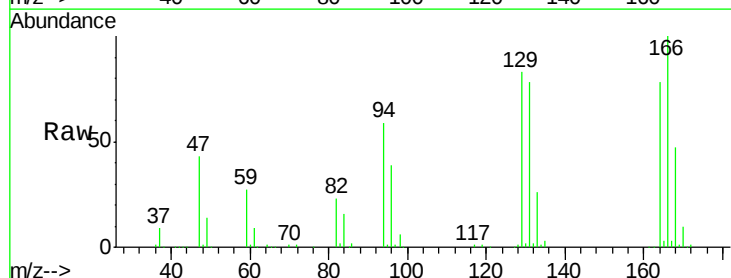
Ion Ratio Lower Upper

164 100

129 105.5 71.5 132.7

131 99.5 65.9 122.5

166 127.6 87.3 162.1



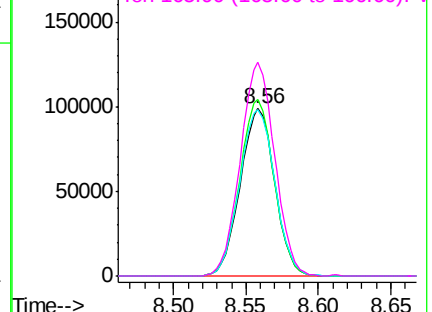
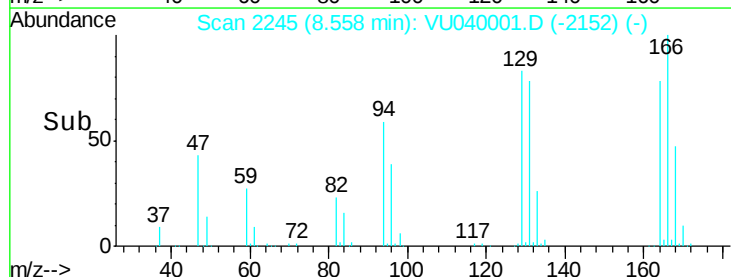
Abundance

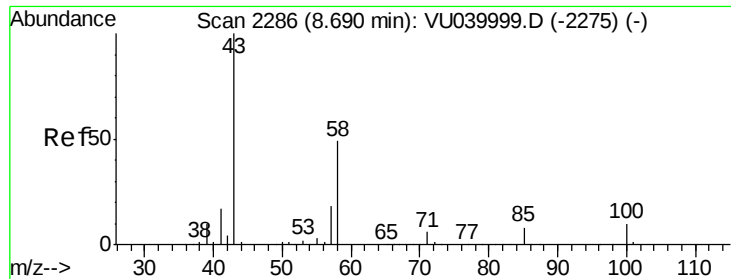
Ion 163.90 (163.60 to 164.60): V

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

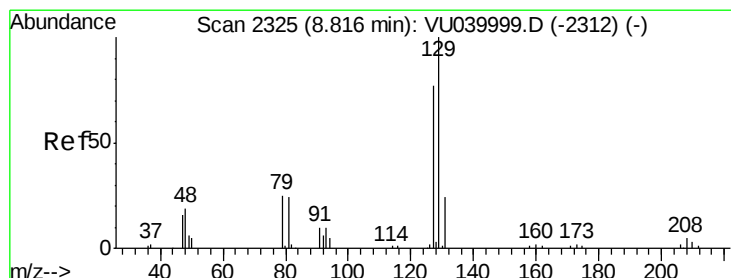
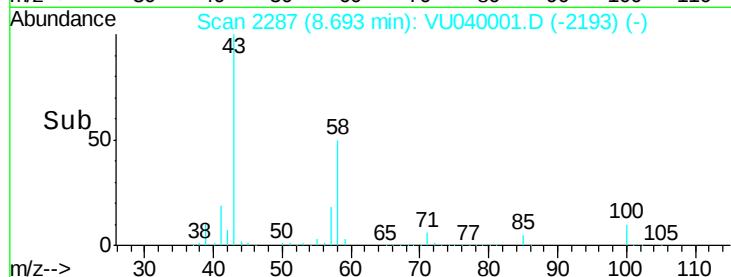
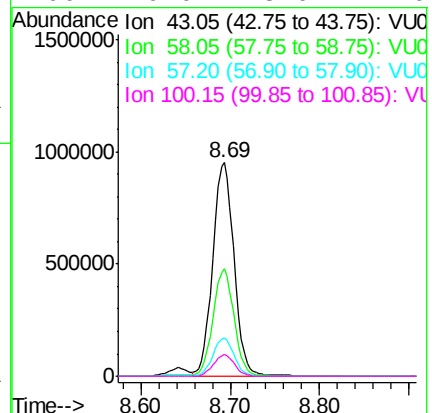
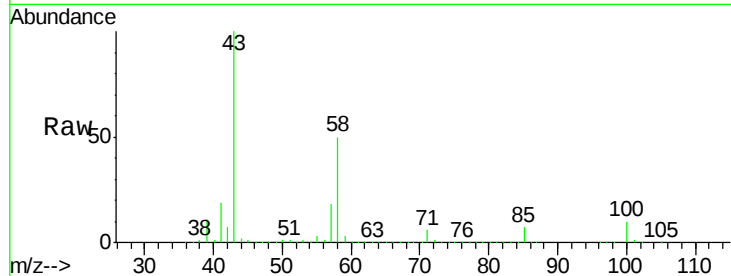




#48
2-Hexanone
Concen: 227.707 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU040001.D
Acq: 31 Aug 2020 11:25

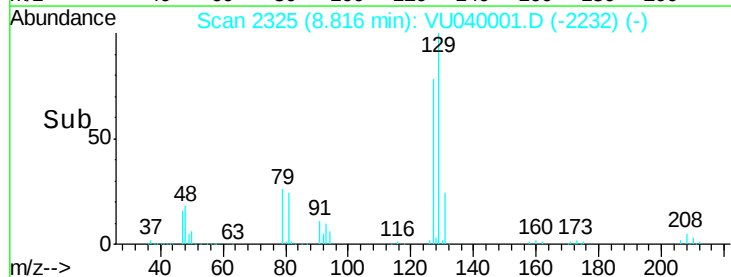
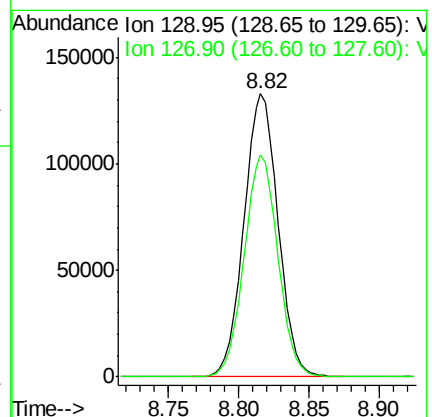
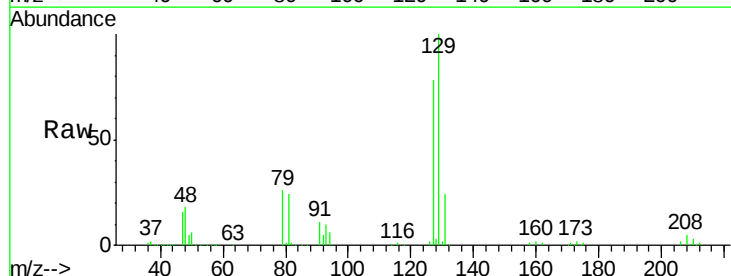
Instrument :
MSVOA_U
ClientSampleId :
VSTD02001

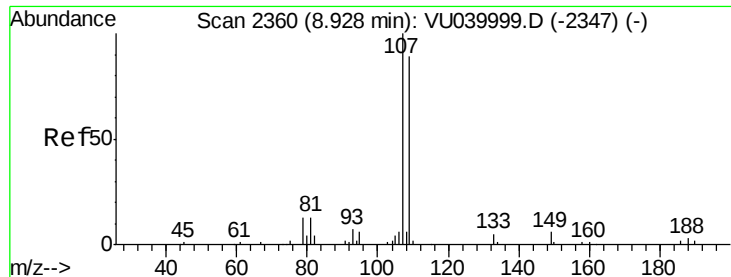
Tgt Ion: 43 Resp: 1574275
Ion Ratio Lower Upper
43 100
58 49.4 39.6 59.4
57 17.9 14.3 21.5
100 10.0 8.0 12.0



#49
Dibromochloromethane
Concen: 21.051 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU040001.D
Acq: 31 Aug 2020 11:25

Tgt Ion: 129 Resp: 225451
Ion Ratio Lower Upper
129 100
127 78.3 53.7 99.7

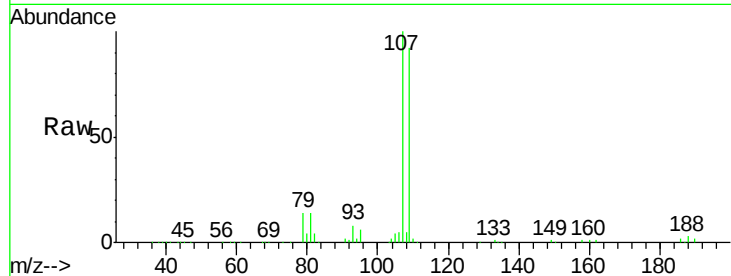




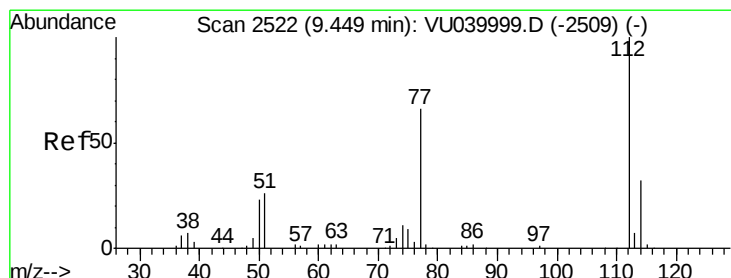
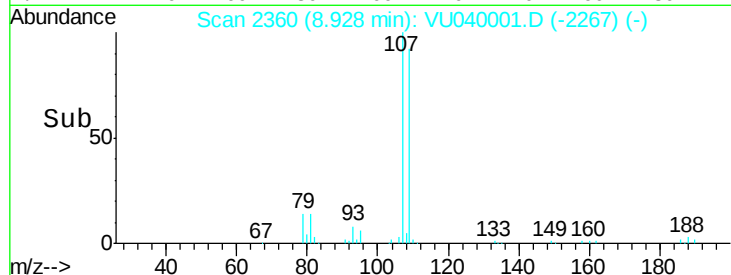
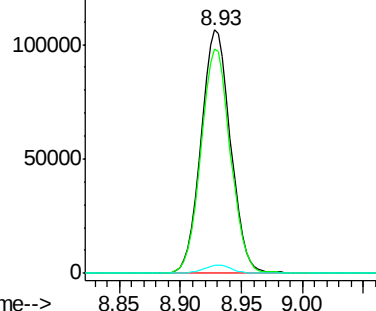
#50
 1,2-Dibromoethane
 Concen: 20.892 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU040001.D
 Acq: 31 Aug 2020 11:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02001

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.0	62.4	115.8
188	3.2	2.3	3.5

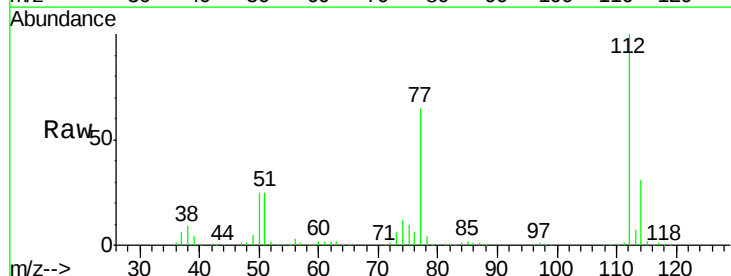


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

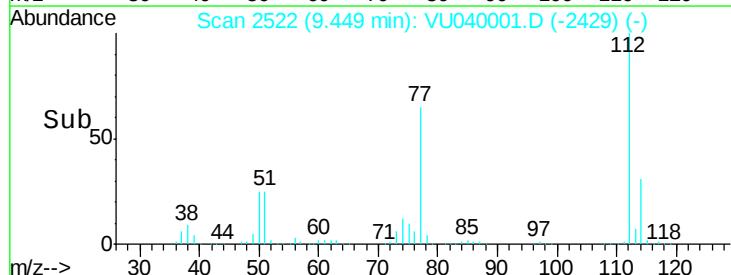
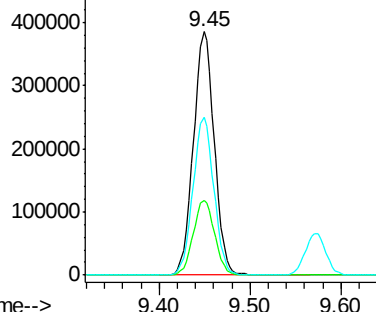


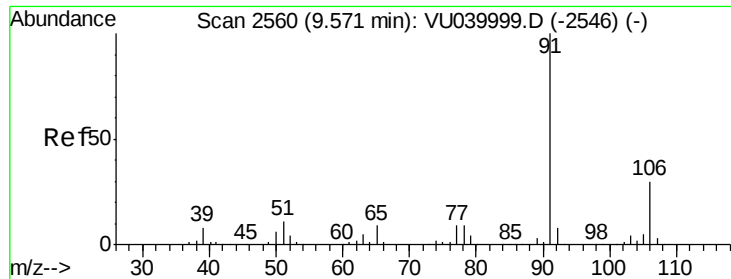
#51
 Chlorobenzene
 Concen: 20.818 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU040001.D
 Acq: 31 Aug 2020 11:25

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.9	22.7	42.3
77	64.7	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): V

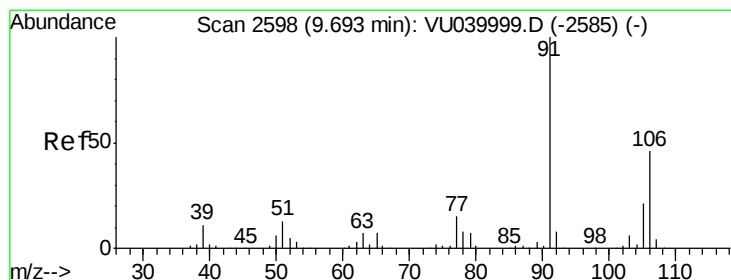
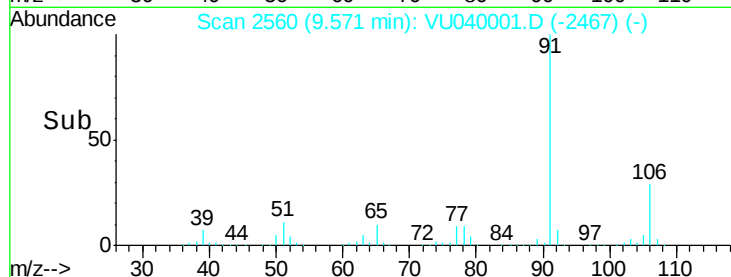
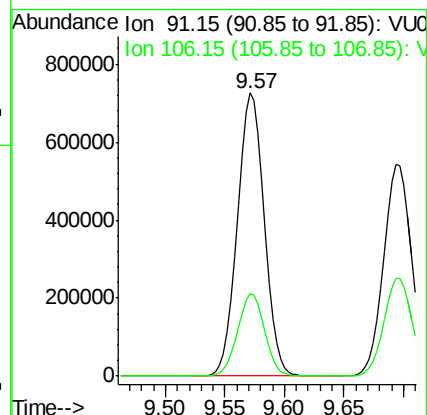
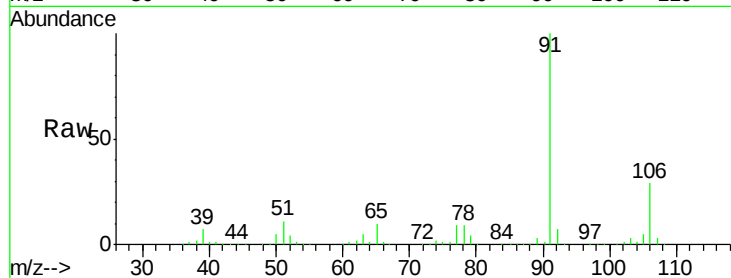




#52
Ethylbenzene
Concen: 22.743 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU040001.D
Acq: 31 Aug 2020 11:25

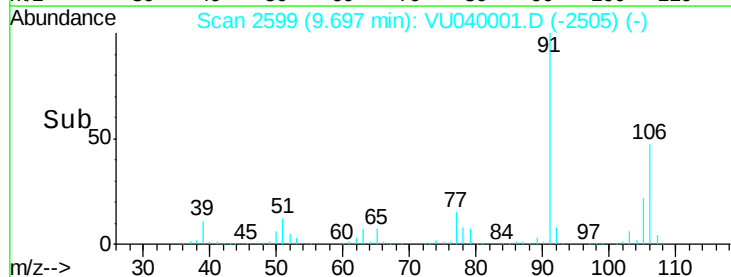
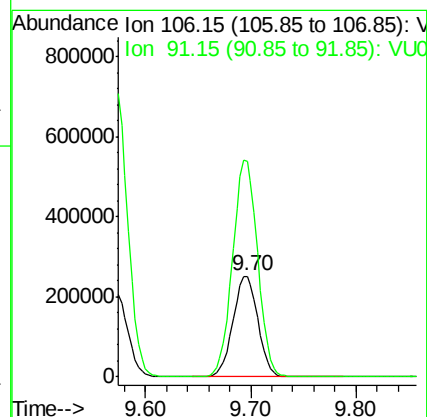
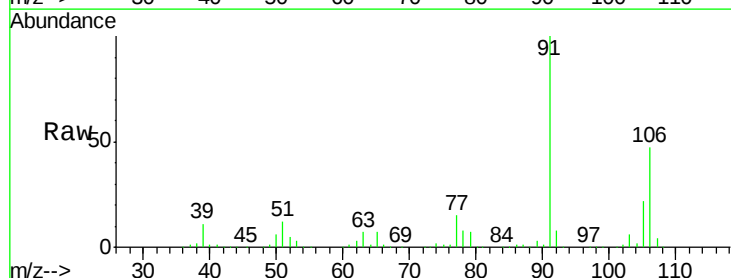
Instrument :
MSVOA_U
ClientSampleId :
VSTD02001

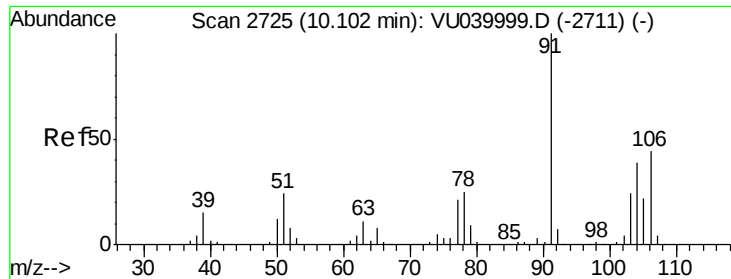
Tgt Ion: 91 Resp: 1138489
Ion Ratio Lower Upper
91 100
106 29.0 21.0 39.0



#53
m,p-Xylene
Concen: 21.750 ug/L
RT: 9.70 min Scan# 2599
Delta R.T. 0.00 min
Lab File: VU040001.D
Acq: 31 Aug 2020 11:25

Tgt Ion: 106 Resp: 410975
Ion Ratio Lower Upper
106 100
91 214.9 151.7 281.7

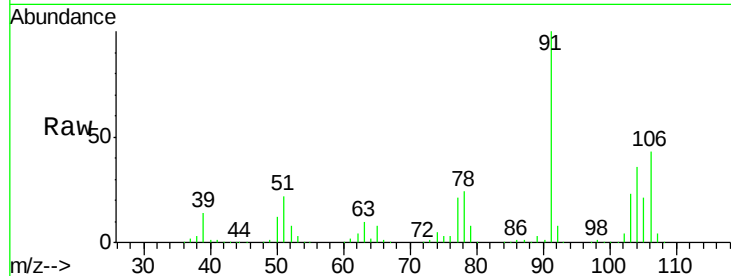




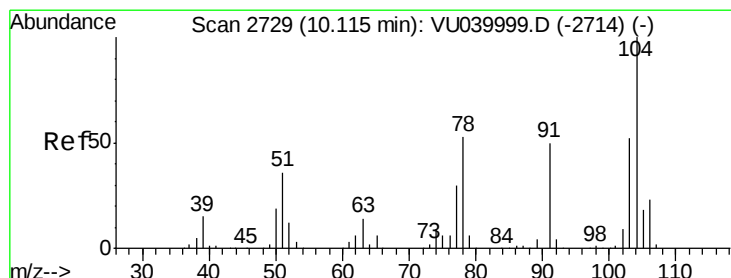
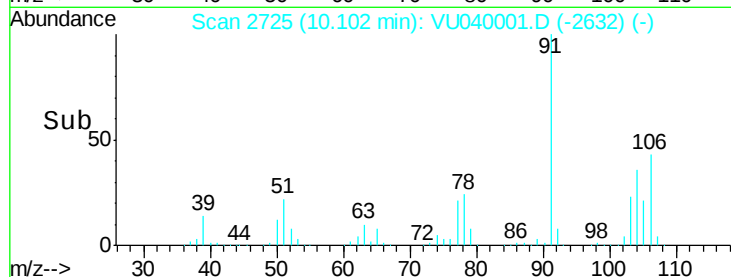
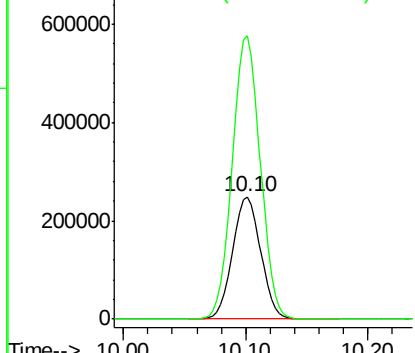
#54
o-Xylene
Concen: 22.237 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU040001.D
Acq: 31 Aug 2020 11:25

Instrument :
MSVOA_U
ClientSampleId :
VSTD02001

Tgt Ion:106 Resp: 398779
Ion Ratio Lower Upper
106 100
91 231.9 160.8 298.6

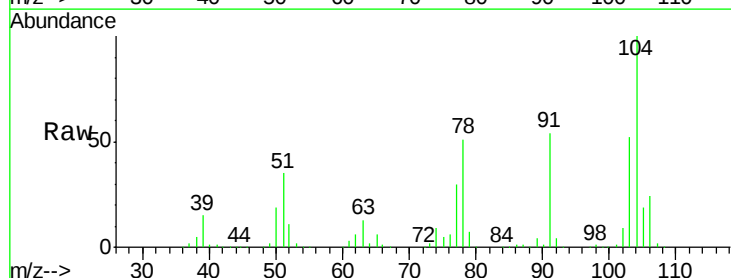


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

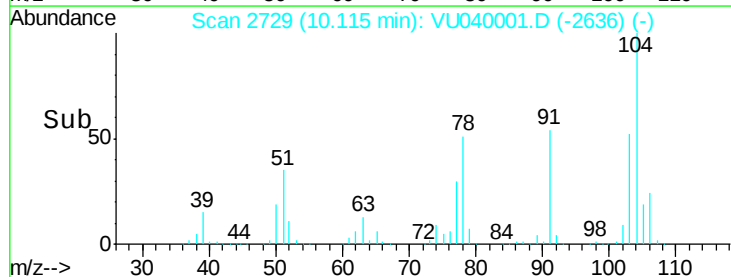
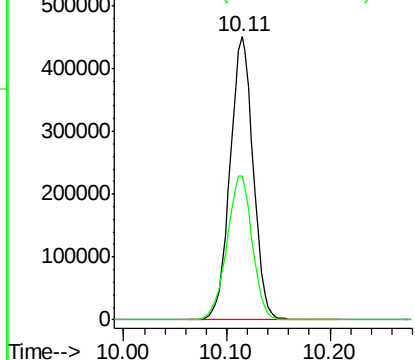


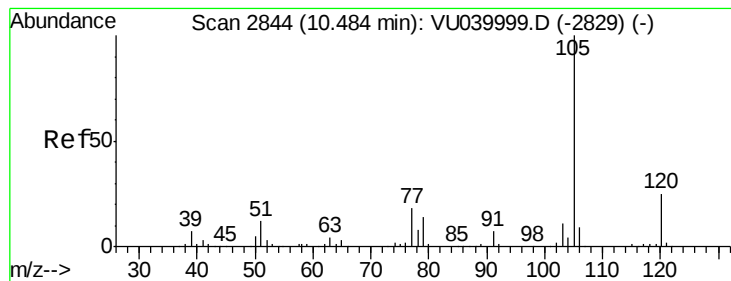
#55
Styrene
Concen: 22.689 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040001.D
Acq: 31 Aug 2020 11:25

Tgt Ion:104 Resp: 703832
Ion Ratio Lower Upper
104 100
78 51.0 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: 23.074 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU040001.D

Acq: 31 Aug 2020 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD02001

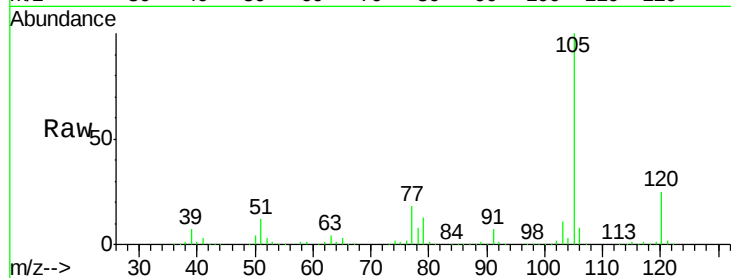
Tgt Ion:105 Resp: 1113853

Ion Ratio Lower Upper

105 100

120 25.0 20.1 30.1

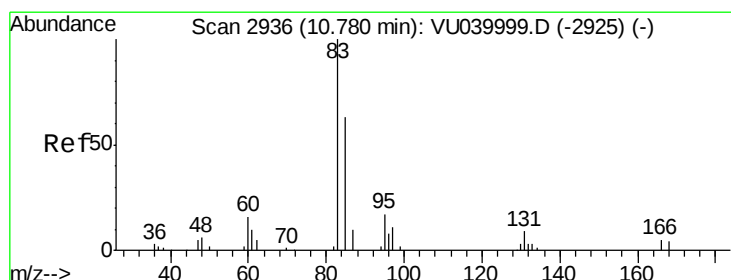
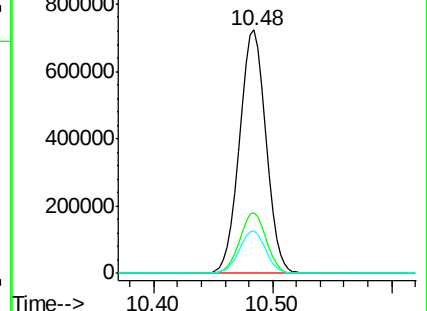
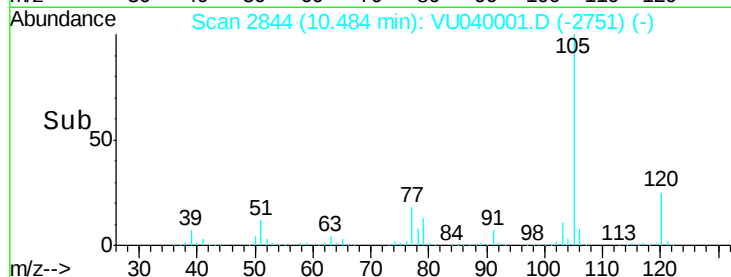
77 17.4 14.4 21.6



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: 20.789 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. 0.00 min

Lab File: VU040001.D

Acq: 31 Aug 2020 11:25

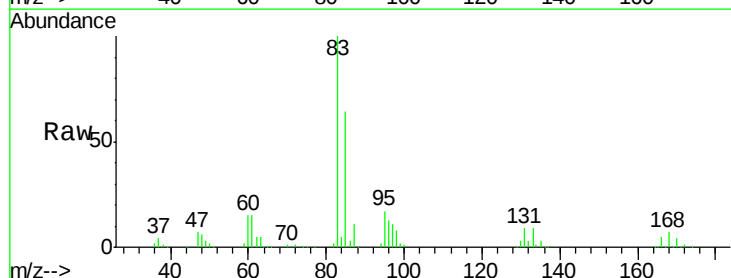
Tgt Ion: 83 Resp: 239778

Ion Ratio Lower Upper

83 100

85 63.6 44.9 83.3

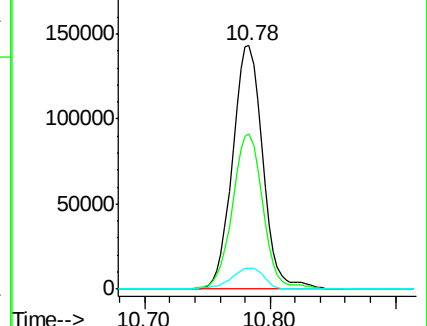
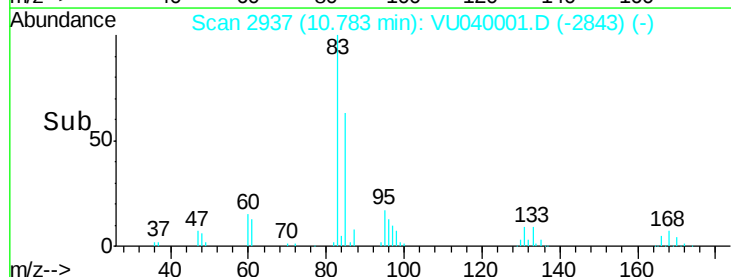
131 8.8 7.4 11.0

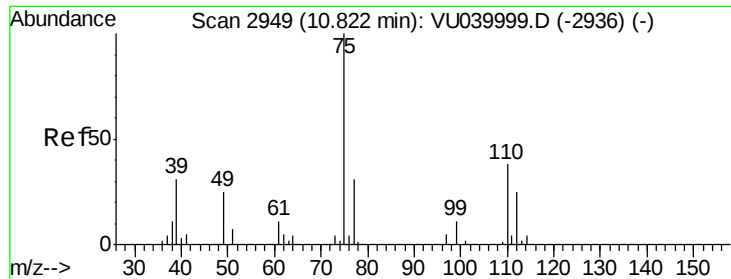


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 21.328 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU040001.D

Acq: 31 Aug 2020 11:25

Instrument :

MSVOA_U

ClientSampleId :

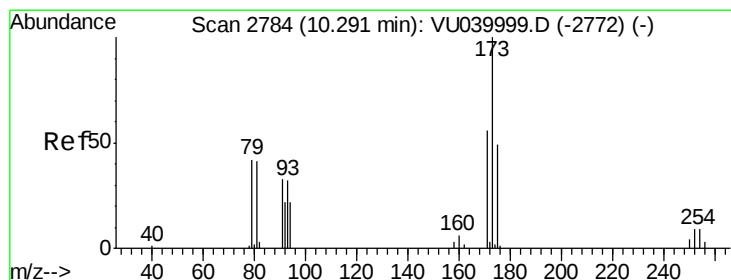
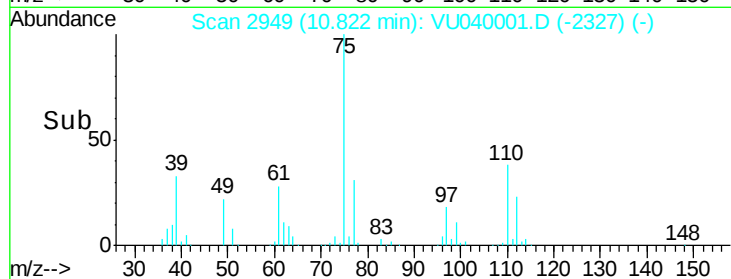
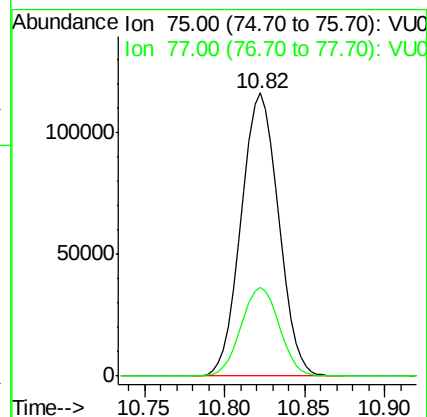
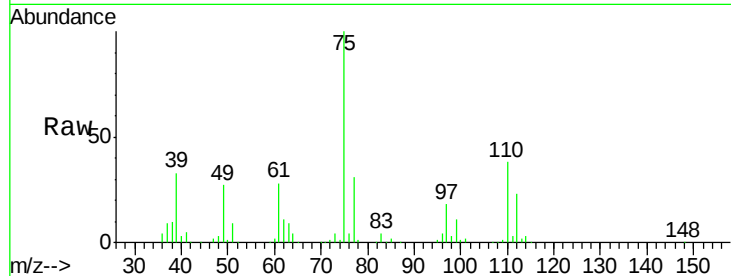
VSTD02001

Tgt Ion: 75 Resp: 184467

Ion Ratio Lower Upper

75 100

77 32.3 24.9 37.3



#61

Bromoform

Concen: 22.644 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU040001.D

Acq: 31 Aug 2020 11:25

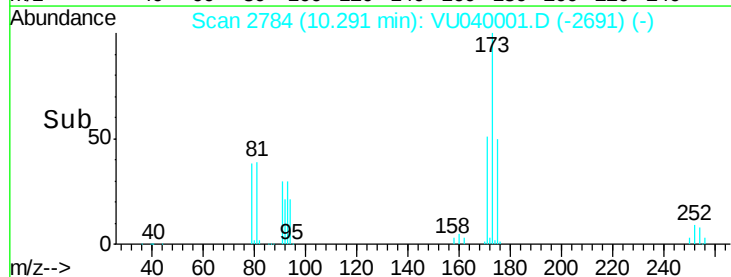
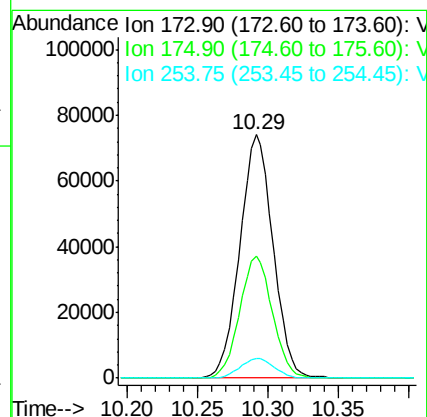
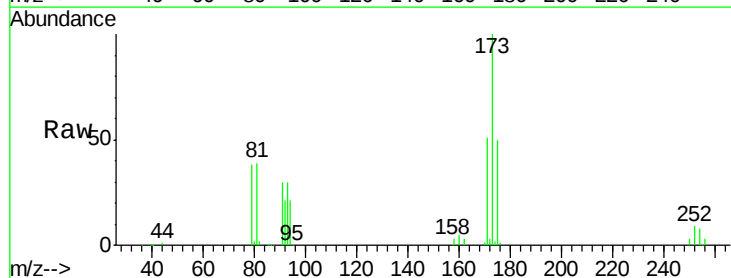
Tgt Ion: 173 Resp: 122218

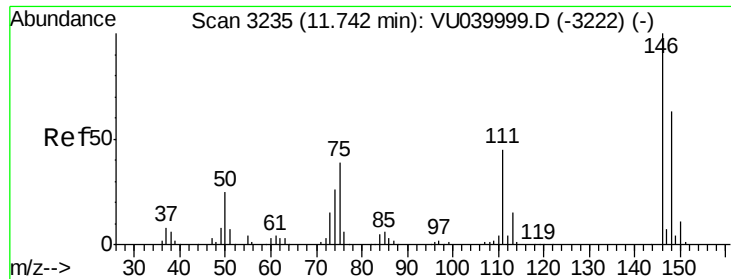
Ion Ratio Lower Upper

173 100

175 49.3 37.8 56.6

254 8.3 6.8 10.2





#62

1,3-Dichlorobenzene

Concen: 21.213 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU040001.D

Acq: 31 Aug 2020 11:25

Instrument :

MSVOA_U

ClientSampled :

VSTD02001

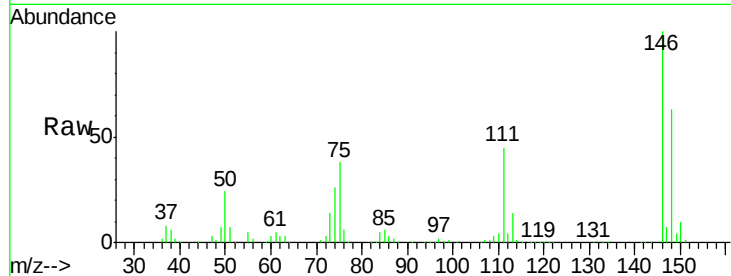
Tgt Ion:146 Resp: 475919

Ion Ratio Lower Upper

146 100

111 44.7 31.6 58.8

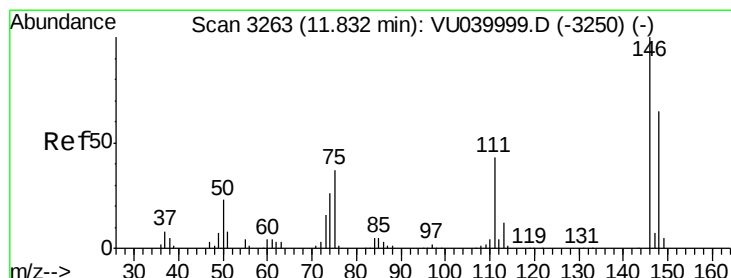
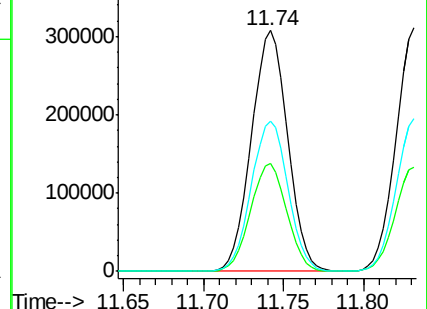
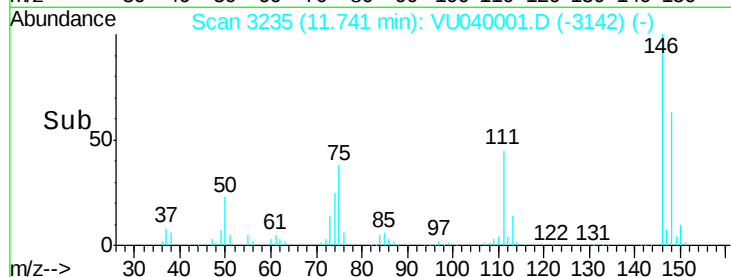
148 62.5 44.2 82.0



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: 21.082 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU040001.D

Acq: 31 Aug 2020 11:25

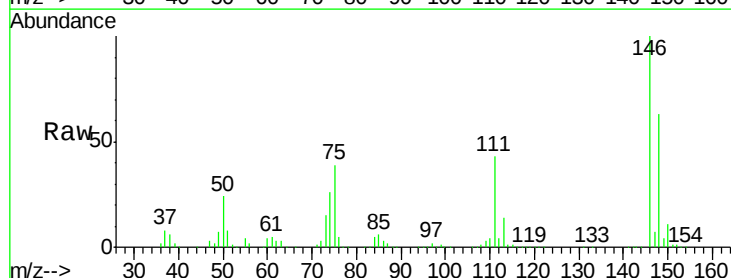
Tgt Ion:146 Resp: 482377

Ion Ratio Lower Upper

146 100

111 42.6 30.5 56.7

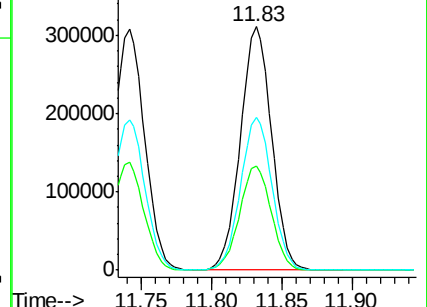
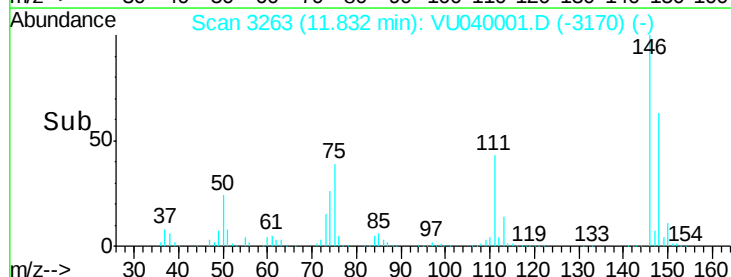
148 62.8 45.4 84.4

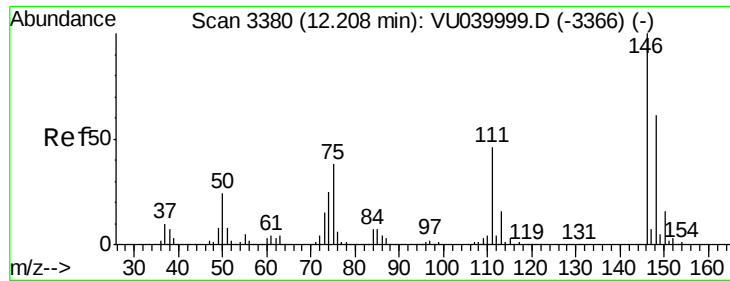


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

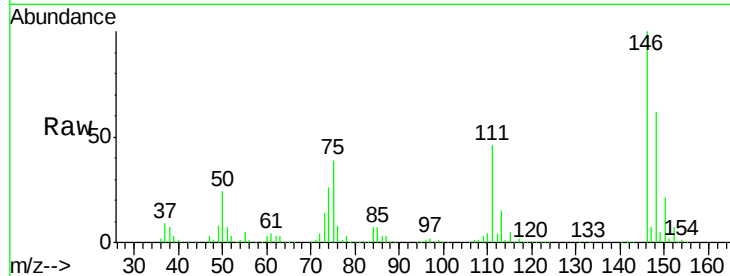




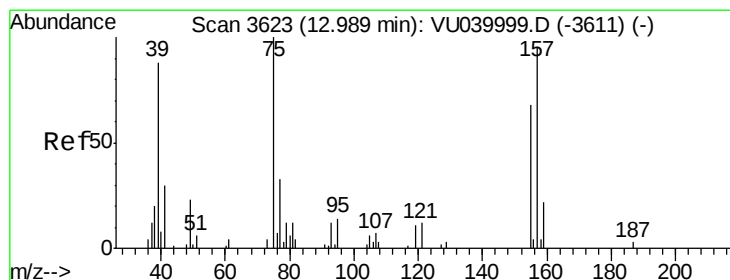
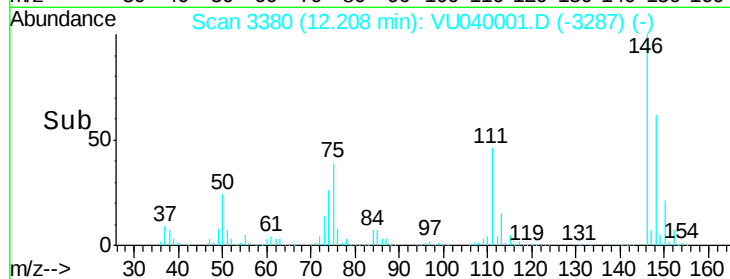
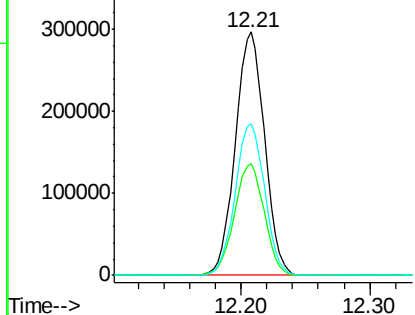
#65
 1,2-Dichlorobenzene
 Concen: 21.449 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU040001.D
 Acq: 31 Aug 2020 11:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02001

Tgt Ion: 146 Resp: 466702
 Ion Ratio Lower Upper
 146 100
 111 45.7 36.5 54.7
 148 62.4 48.6 72.8

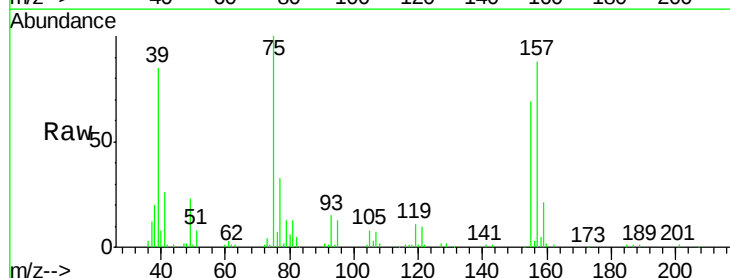


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

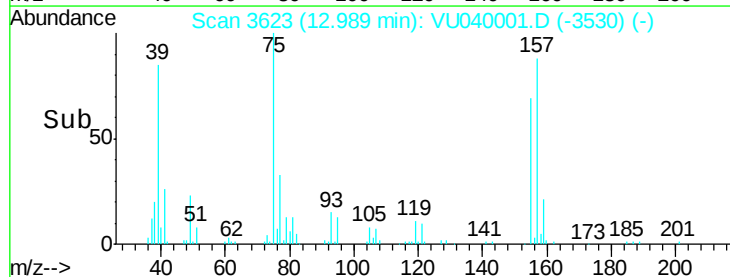
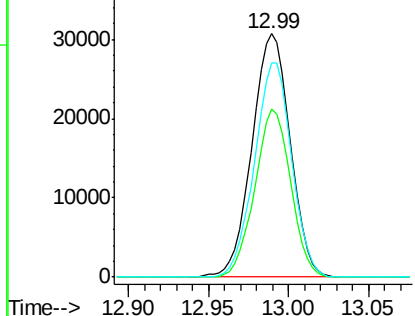


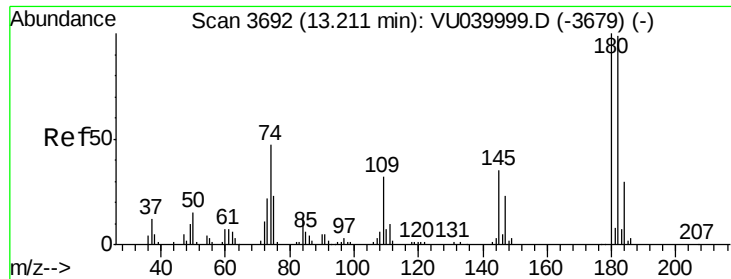
#66
 1,2-Dibromo-3-chloropropane
 Concen: 26.708 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU040001.D
 Acq: 31 Aug 2020 11:25

Tgt Ion: 75 Resp: 50492
 Ion Ratio Lower Upper
 75 100
 155 69.0 54.6 82.0
 157 87.8 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

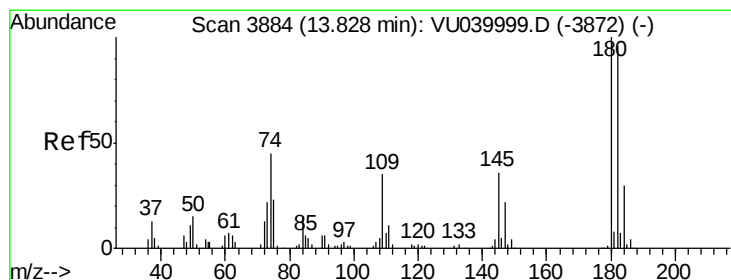
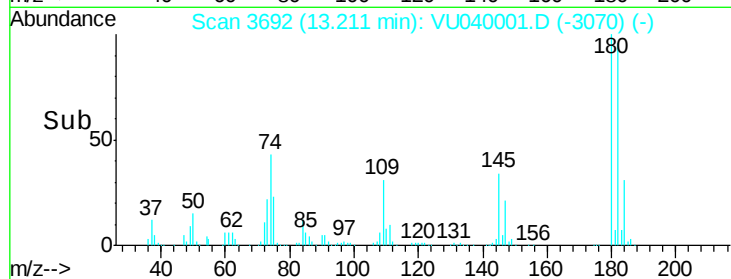
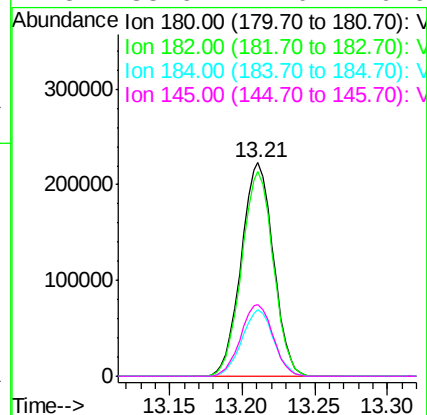
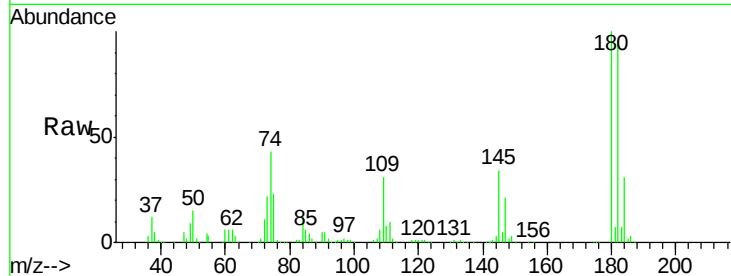




#67
 1,3,5-Trichlorobenzene
 Concen: 20.713 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU040001.D
 Acq: 31 Aug 2020 11:25

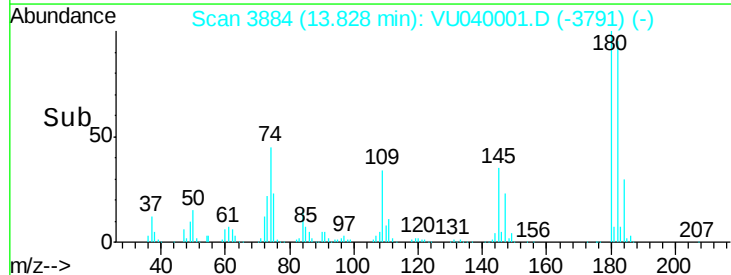
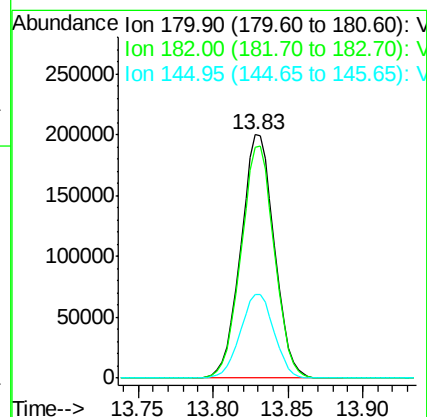
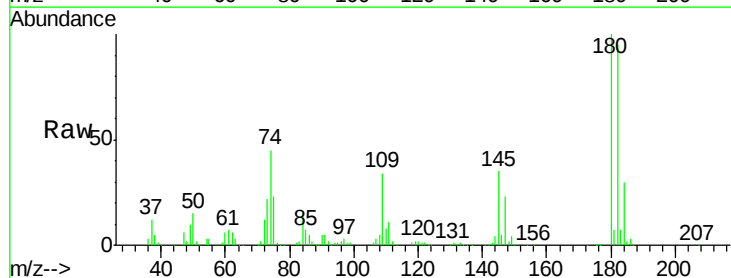
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02001

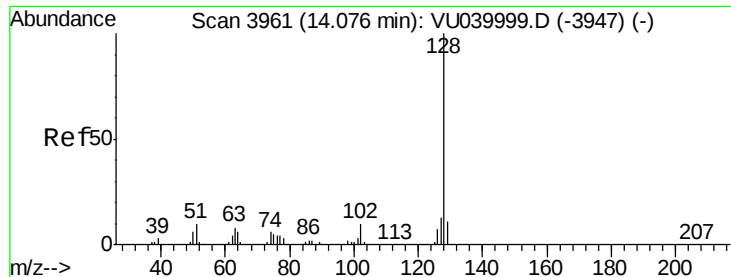
Tgt Ion:180 Resp: 344023
 Ion Ratio Lower Upper
 180 100
 182 94.5 76.9 115.3
 184 30.7 24.6 36.8
 145 33.6 27.0 40.6



#68
 1,2,4-trichlorobenzene
 Concen: 21.813 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040001.D
 Acq: 31 Aug 2020 11:25

Tgt Ion:180 Resp: 310498
 Ion Ratio Lower Upper
 180 100
 182 94.9 76.0 114.0
 145 34.9 28.4 42.6





#69

Naphthalene

Concen: 25.643 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040001.D

Acq: 31 Aug 2020 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD02001

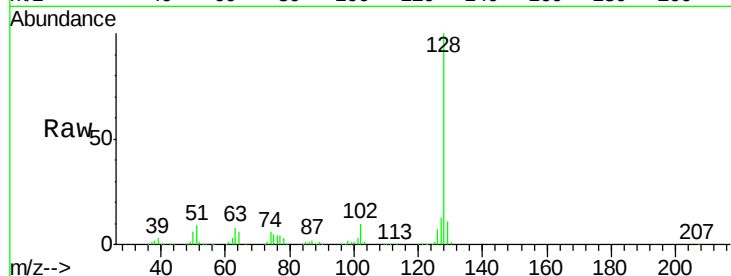
Tgt Ion:128 Resp: 695748

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

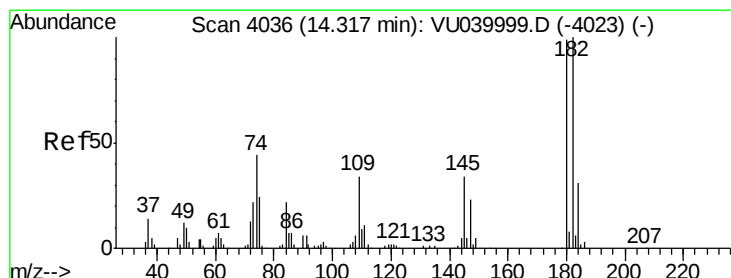
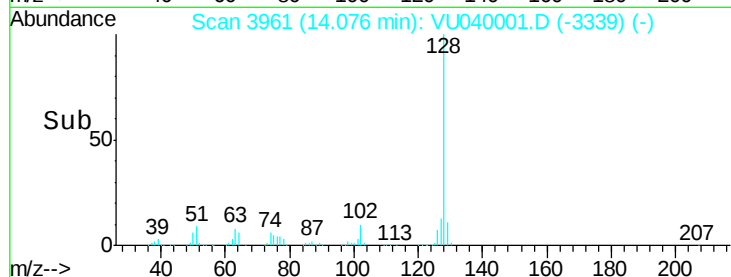
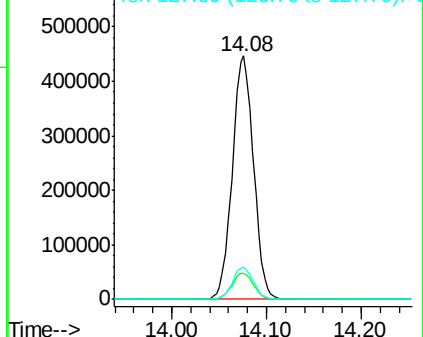
127 13.1 10.7 16.1



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: 21.031 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU040001.D

Acq: 31 Aug 2020 11:25

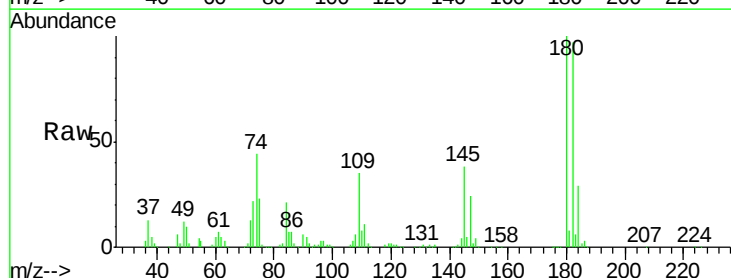
Tgt Ion:180 Resp: 278939

Ion Ratio Lower Upper

180 100

182 95.1 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

