

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100820\
 Data File : VU040559.D
 Acq On : 08 Oct 2020 13:46
 Operator : SY/MD
 Sample : VSTD00501
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00501

Quant Time: Oct 09 01:19:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 09 01:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	143359	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	142200	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	75425	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	61906	7.57	ug/L	0.00
7) Chloroethane-d5	1.92	69	48561	7.04	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	121480	6.57	ug/L	0.00
20) 2-Butanone-d5	4.66	46	203542	56.18	ug/L	0.00
24) Chloroform-d	5.08	84	111137	6.18	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	65039	5.99	ug/L	0.00
32) Benzene-d6	5.74	84	205218	6.61	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	65480	5.96	ug/L	0.00
41) Toluene-d8	7.90	98	188170	6.94	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.18	79	29392	6.36	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	154719	59.25	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	59647	5.65	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	69597	5.78	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	68899	4.856	ug/L 100
3) Chloromethane	1.53	50	63221	4.593	ug/L 100
5) Vinyl chloride	1.61	62	66321	4.836	ug/L 100
6) Bromomethane	1.87	94	36228	5.323	ug/L 100
8) Chloroethane	1.94	64	42335	5.174	ug/L 100
9) Trichlorofluoromethane	2.15	101	95886	5.017	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	61880	5.067	ug/L 100
12) 1,1-Dichloroethene	2.59	96	55457	5.097	ug/L 100
13) Acetone	2.67	43	157681	52.668	ug/L 100
14) Carbon disulfide	2.81	76	152979	4.561	ug/L 100
15) Methyl Acetate	2.97	43	36023	5.069	ug/L 100
16) Methylene chloride	3.06	84	65728	4.788	ug/L 100
17) Methyl tert-butyl Ether	3.38	73	153277	5.080	ug/L 100
18) trans-1,2-Dichloroethene	3.37	96	56091	5.018	ug/L 100
19) 1,1-Dichloroethane	3.89	63	117326	5.078	ug/L 100
21) 2-Butanone	4.74	43	256020	53.708	ug/L 100
22) cis-1,2-Dichloroethene	4.69	96	61434	4.978	ug/L 100
23) Bromochloromethane	5.00	128	30241	5.271	ug/L 100
25) Chloroform	5.11	83	121500	5.154	ug/L 100
27) 1,2-Dichloroethane	5.81	62	84112	5.133	ug/L 100
29) 1,1,1-Trichloroethane	5.33	97	101155	5.198	ug/L 100
30) Cyclohexane	5.40	56	95258	4.810	ug/L 100
31) Carbon tetrachloride	5.54	117	87884	5.255	ug/L 100
33) Benzene	5.79	78	249077	5.225	ug/L 100
34) Trichloroethene	6.55	95	62743	4.977	ug/L 100
35) Methylcyclohexane	6.77	83	91255	4.967	ug/L 100
37) 1,2-Dichloropropane	6.80	63	70108	5.233	ug/L 100
38) Bromodichloromethane	7.11	83	87408	5.311	ug/L 100
39) cis-1,3-Dichloropropene	7.61	75	93969	5.258	ug/L 100
40) 4-Methyl-2-pentanone	7.80	43	568695	54.461	ug/L 100

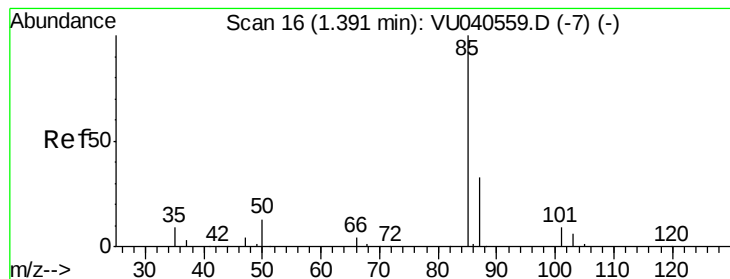
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100820\
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 09 01:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	260138	5.326	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	88875	5.361	ug/L	100
45) 1,1,2-Trichloroethane	8.41	97	51259	5.450	ug/L	100
47) Tetrachloroethene	8.56	164	46699	5.166	ug/L	100
48) 2-Hexanone	8.69	43	427360	55.186	ug/L	100
49) Dibromochloromethane	8.82	129	60114	5.468	ug/L	100
50) 1,2-Dibromoethane	8.93	107	47537	5.326	ug/L	100
51) Chlorobenzene	9.45	112	164421	5.214	ug/L	100
52) Ethylbenzene	9.57	91	277497	5.238	ug/L	100
53) m,p-Xylene	9.69	106	105461	5.344	ug/L	100
54) o-Xylene	10.10	106	101445	5.467	ug/L	100
55) Styrene	10.11	104	178194	5.511	ug/L	100
56) Isopropylbenzene	10.48	105	269927	5.392	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.78	83	65827	5.203	ug/L	100
59) 1,2,3-Trichloropropane	10.82	75	48905	5.083	ug/L	100
61) Bromoform	10.29	173	34636	5.429	ug/L	100
62) 1,3-Dichlorobenzene	11.74	146	134201	5.343	ug/L	100
63) 1,4-Dichlorobenzene	11.83	146	136604	5.223	ug/L	100
65) 1,2-Dichlorobenzene	12.21	146	129131	5.285	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.99	75	11236	5.074	ug/L	100
67) 1,3,5-Trichlorobenzene	13.21	180	91871	5.121	ug/L	100
68) 1,2,4-trichlorobenzene	13.83	180	73836	5.153	ug/L	100
69) Naphthalene	14.08	128	122364	5.034	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	71525	5.414	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 4.856 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU040559.D

Acq: 08 Oct 2020 13:46

Instrument :

MSVOA_U

ClientSampleId :

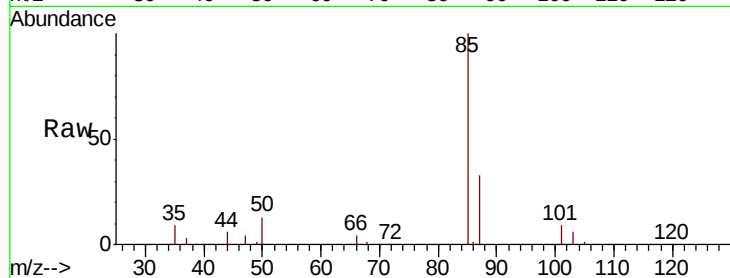
VSTD00501

Tot Ion: 85 Resp: 68899

Ion Ratio Lower Upper

85 100

87 32.8 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU040559.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU040559.D (-7) (-)

1.39

60000

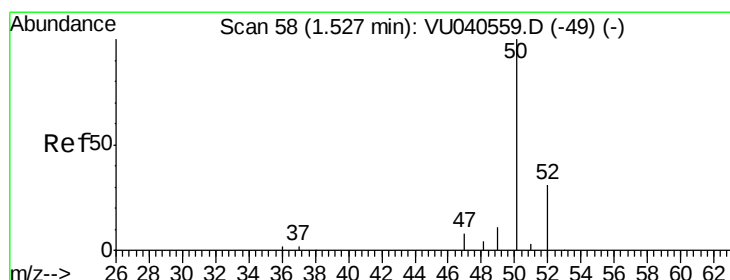
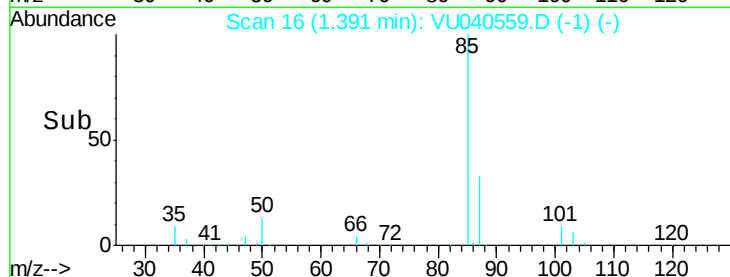
40000

20000

0

1.35 1.40 1.45

Time-->



#3

Chloromethane

Concen: 4.593 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040559.D

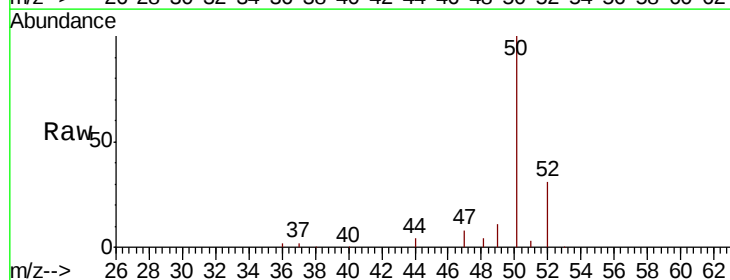
Acq: 08 Oct 2020 13:46

Tgt Ion: 50 Resp: 63221

Ion Ratio Lower Upper

50 100

52 31.3 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU040559.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU040559.D (-49) (-)

1.53

60000

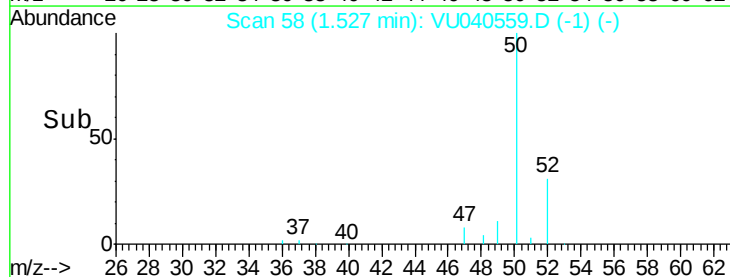
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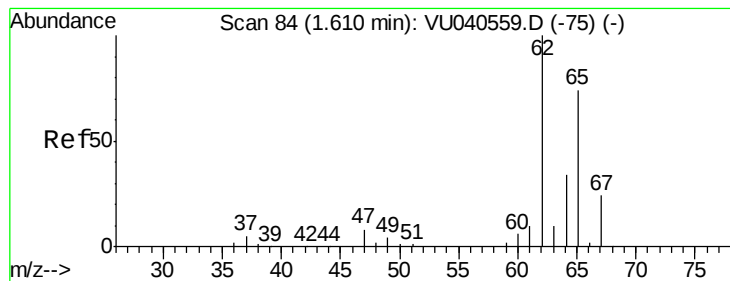
20000

0

1.50 1.55

Time-->





#5

Vinyl chloride

Concen: 4.836 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040559.D

Acq: 08 Oct 2020 13:46

Instrument :

MSVOA_U

ClientSampleId :

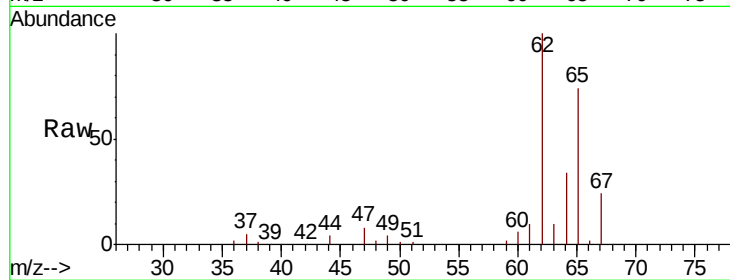
VSTD00501

Tot Ion: 62 Resp: 66321

Ion Ratio Lower Upper

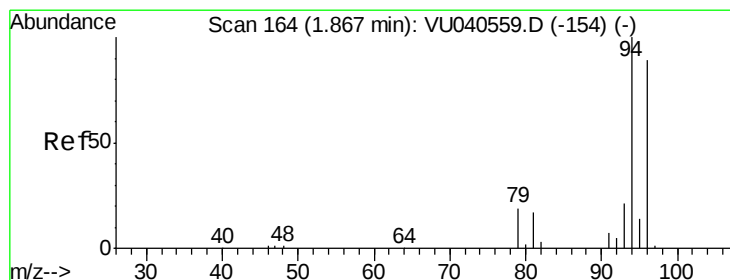
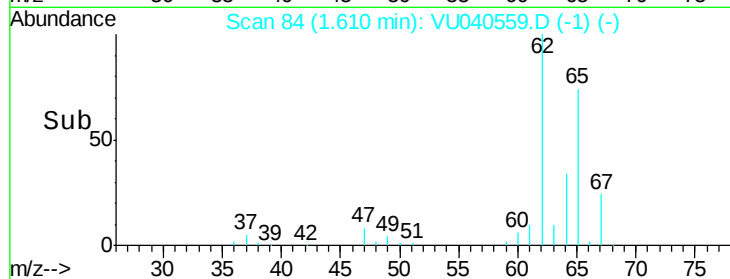
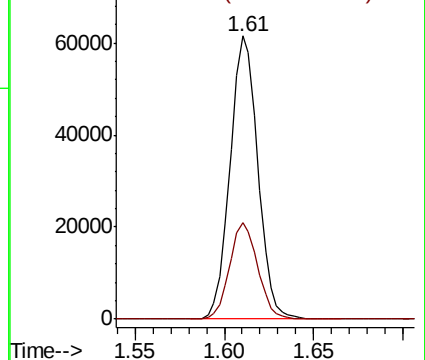
62 100

64 33.9 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU040559.D

Ion 64.10 (63.80 to 64.80): VU040559.D



#6

Bromomethane

Concen: 5.323 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU040559.D

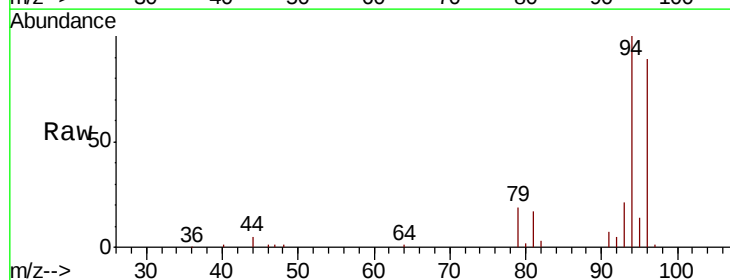
Acq: 08 Oct 2020 13:46

Tgt Ion: 94 Resp: 36228

Ion Ratio Lower Upper

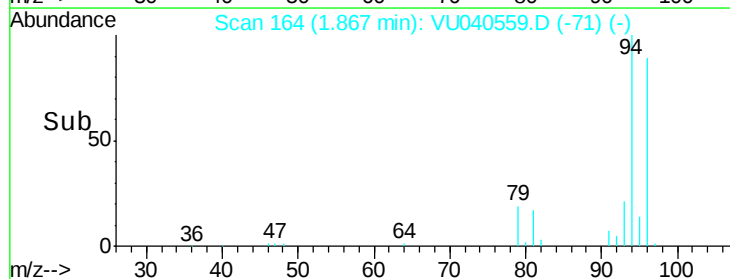
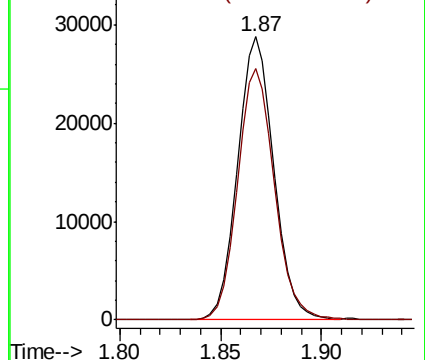
94 100

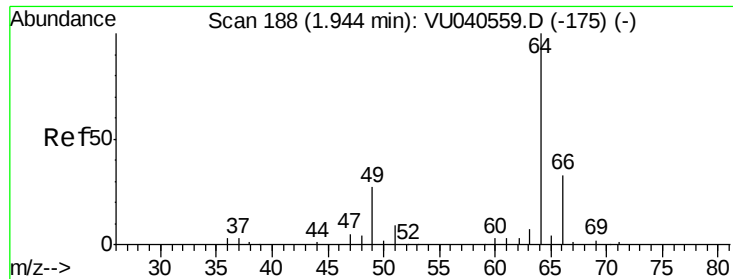
96 88.7 62.1 115.3



Abundance Ion 94.00 (93.70 to 94.70): VU040559.D

Ion 96.00 (95.70 to 96.70): VU040559.D

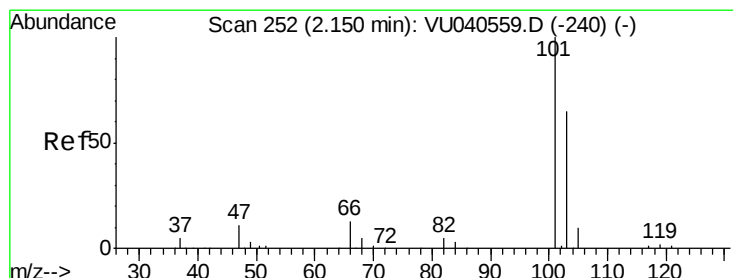
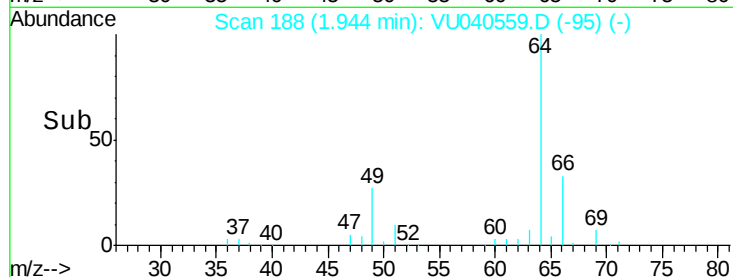
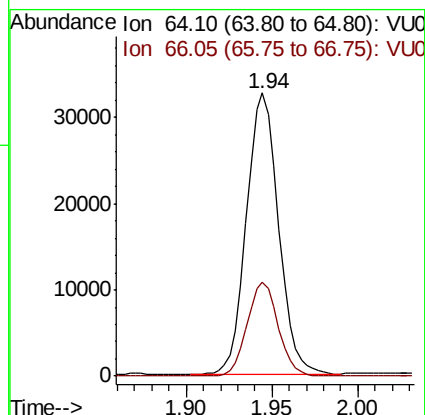
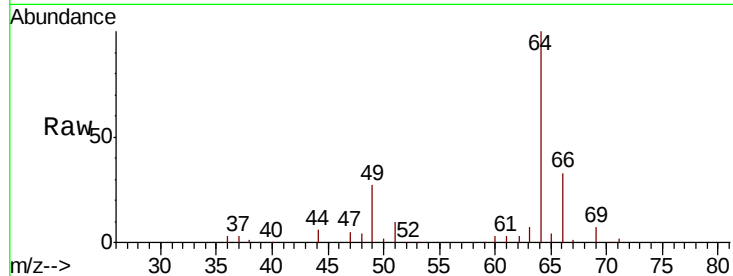




#8
Chloroethane
Concen: 5.174 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU040559.D
Acq: 08 Oct 2020 13:46

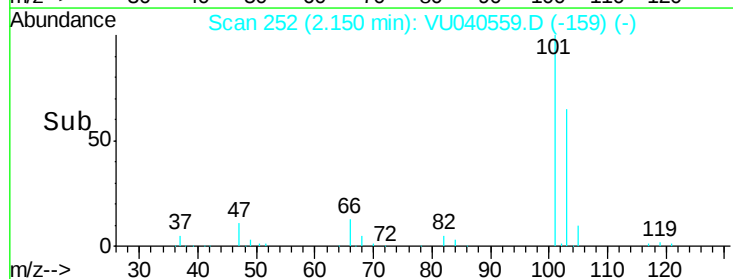
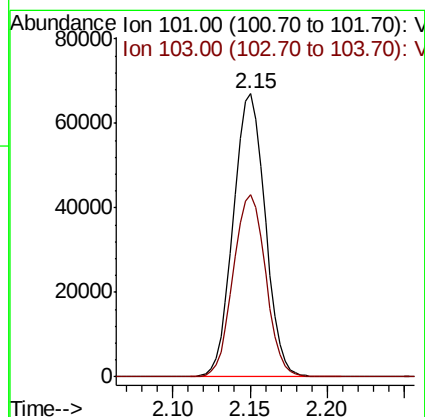
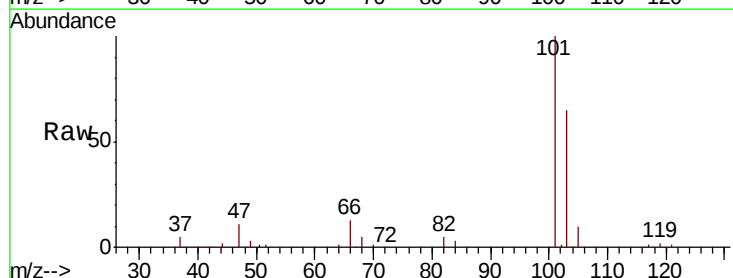
Instrument :
MSVOA_U
ClientSampled :
VSTD00501

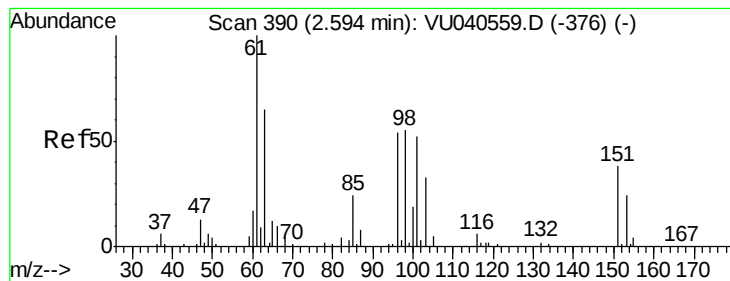
Tot Ion: 64 Resp: 42335
Ion Ratio Lower Upper
64 100
66 33.3 23.3 43.3



#9
Trichlorofluoromethane
Concen: 5.017 ug/L
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU040559.D
Acq: 08 Oct 2020 13:46

Tgt Ion:101 Resp: 95886
Ion Ratio Lower Upper
101 100
103 65.3 52.2 78.4





#10

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

Concen: 5.067 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040559.D

Acq: 08 Oct 2020 13:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD00501

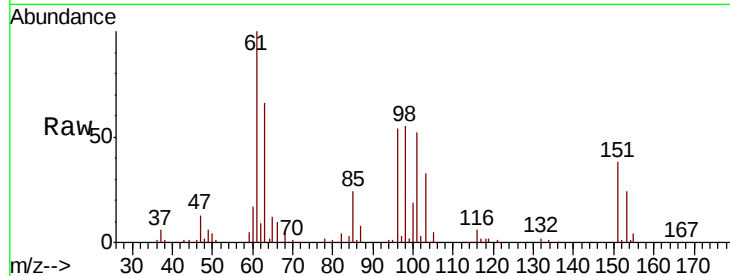
Tot Ion:101 Resp: 61880

Ion Ratio Lower Upper

101 100

85 45.9 36.7 55.1

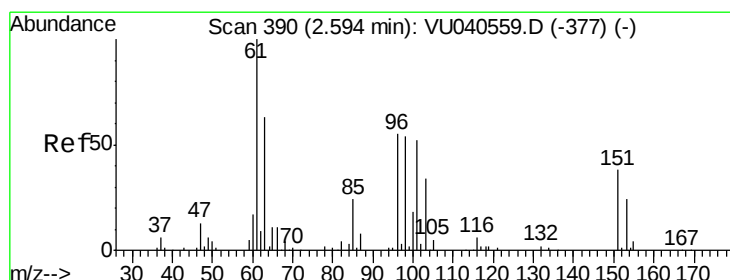
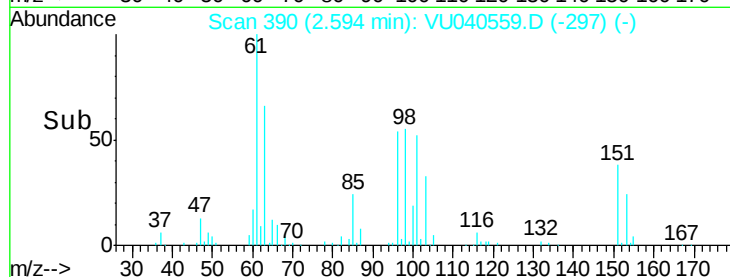
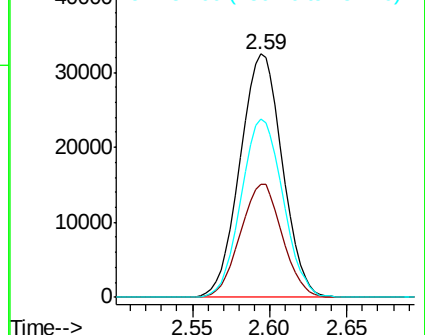
151 72.5 58.0 87.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.097 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040559.D

Acq: 08 Oct 2020 13:46

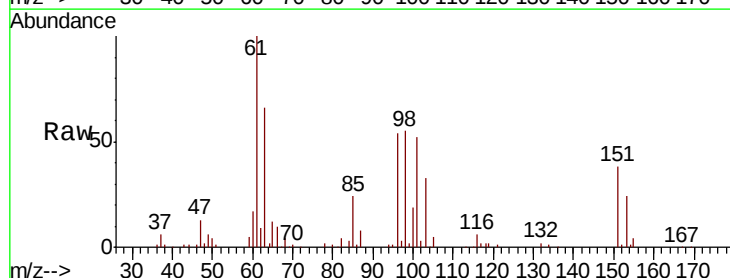
Tgt Ion: 96 Resp: 55457

Ion Ratio Lower Upper

96 100

61 184.0 128.8 239.2

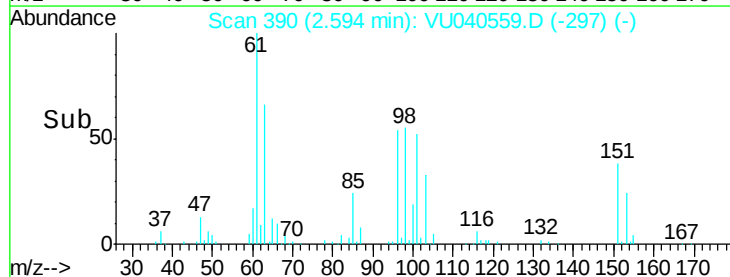
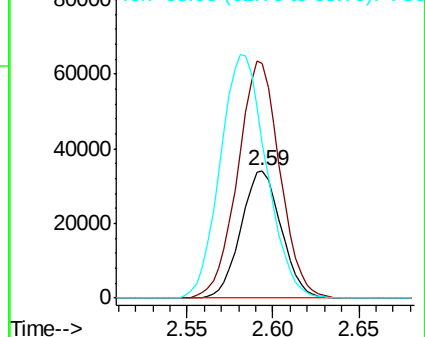
63 120.9 84.6 157.2

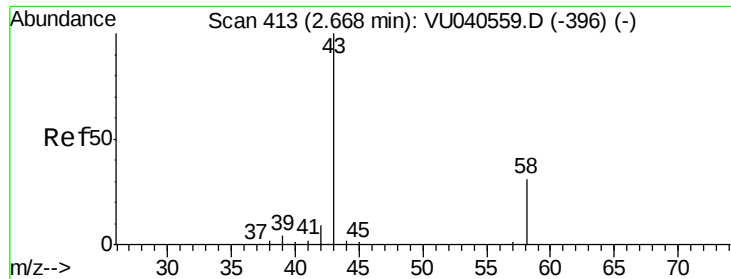


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 52.668 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.00 min

Lab File: VU040559.D

Acq: 08 Oct 2020 13:46

Instrument :

MSVOA_U

ClientSampleId :

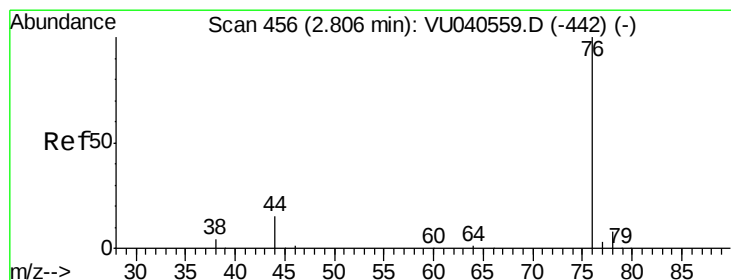
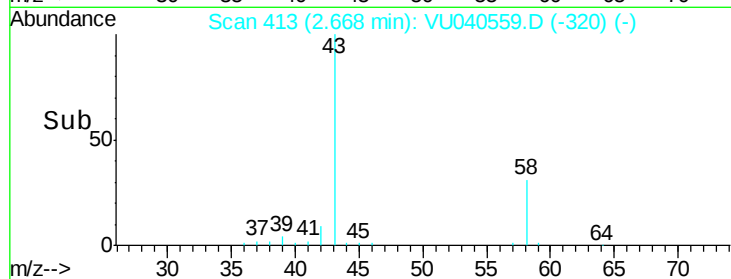
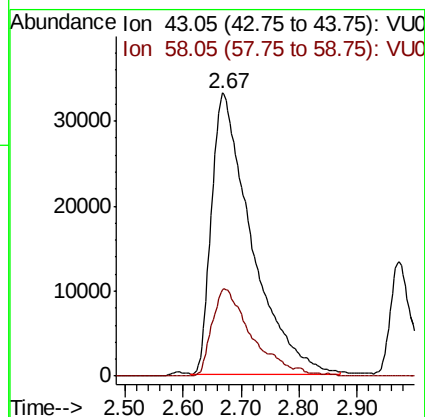
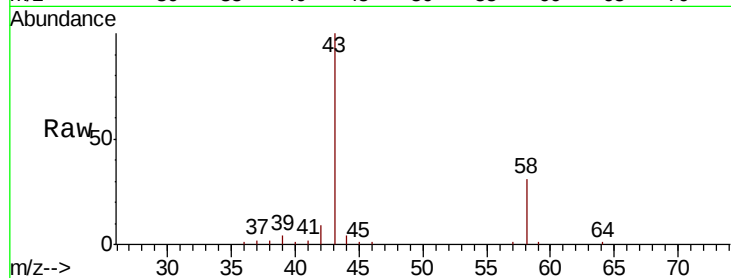
VSTD00501

Tot Ion: 43 Resp: 157681

Ion Ratio Lower Upper

43 100

58 30.3 0.0 60.6



#14

Carbon disulfide

Concen: 4.561 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040559.D

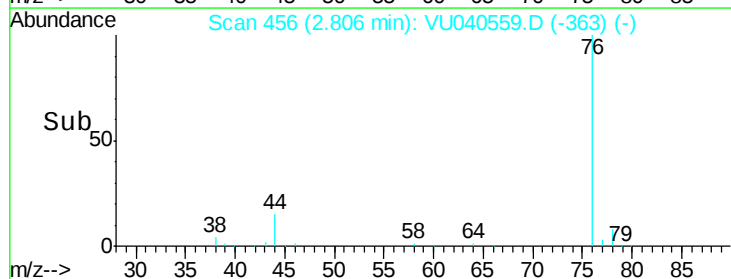
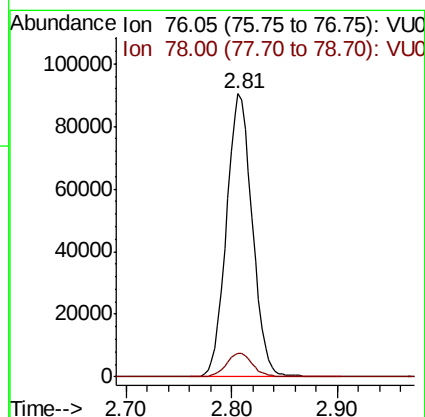
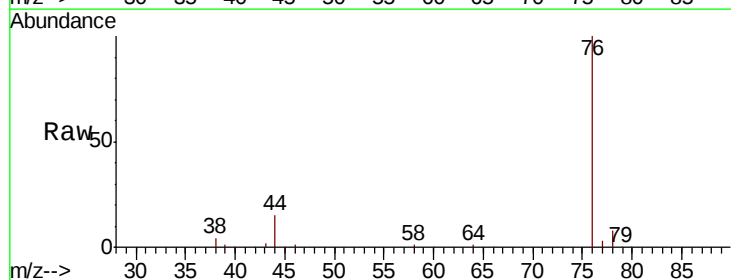
Acq: 08 Oct 2020 13:46

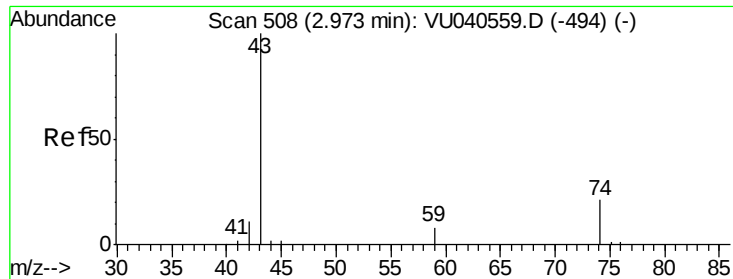
Tgt Ion: 76 Resp: 152979

Ion Ratio Lower Upper

76 100

78 8.5 6.8 10.2





#15

Methvl Acetate

Concen: 5.069 ug/L

RT: 2.97 min Scan# 508

Delta R.T. 0.00 min

Lab File: VU040559.D

Acq: 08 Oct 2020 13:46

Instrument :

MSVOA_U

ClientSampleId :

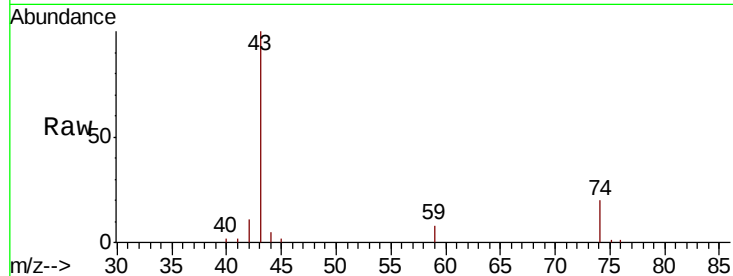
VSTD00501

Tot Ion: 43 Resp: 36023

Ion Ratio Lower Upper

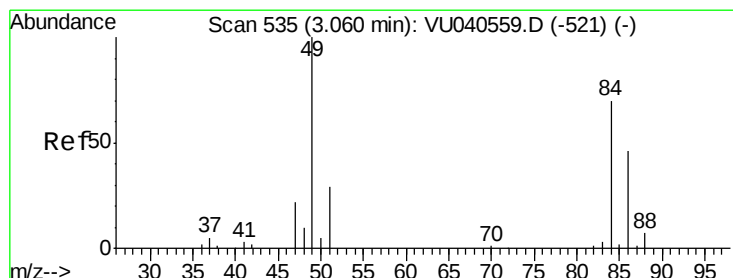
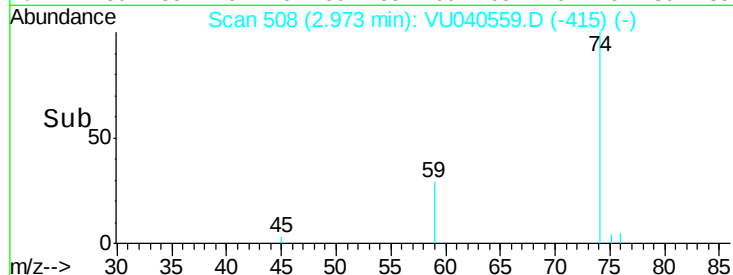
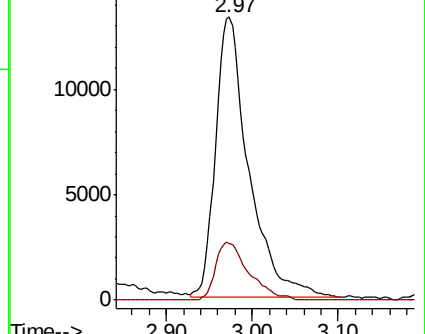
43 100

74 20.6 16.5 24.7



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 4.788 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU040559.D

Acq: 08 Oct 2020 13:46

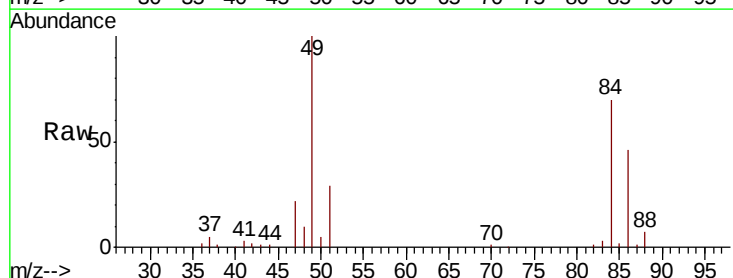
Tgt Ion: 84 Resp: 65728

Ion Ratio Lower Upper

84 100

86 64.9 45.4 84.4

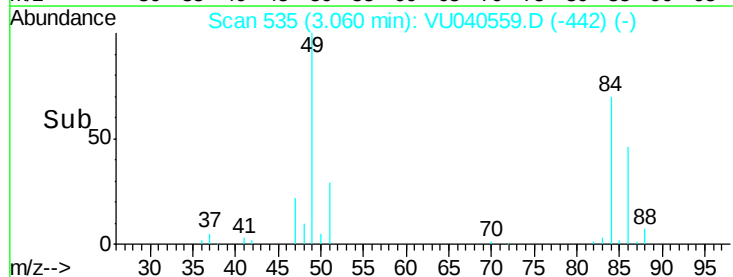
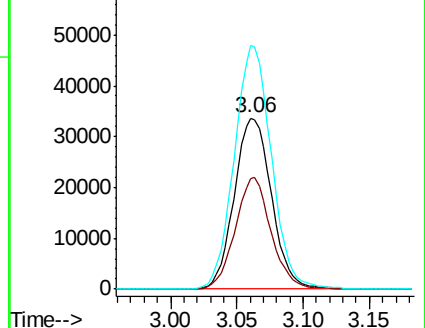
49 142.5 99.8 185.3

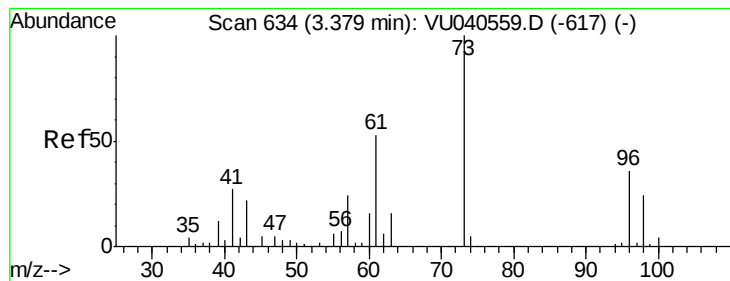


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0



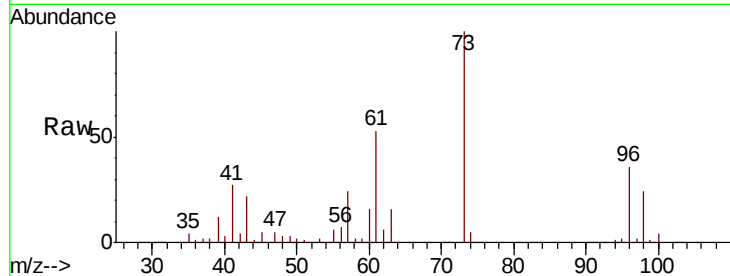


#17

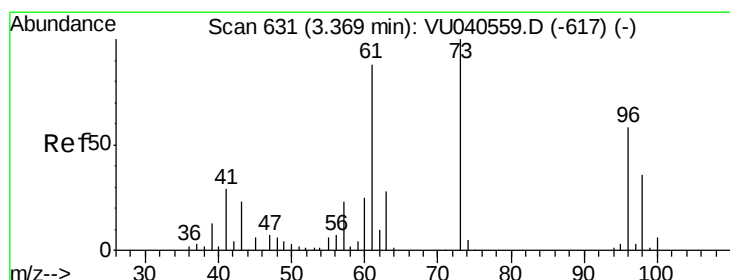
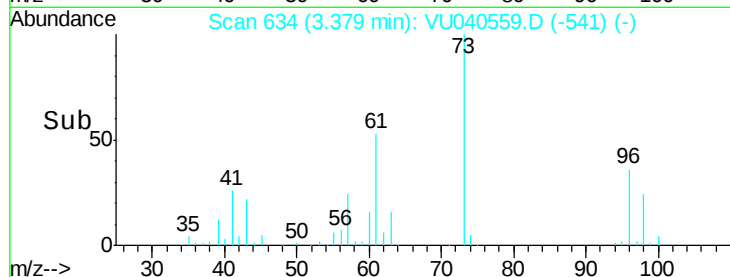
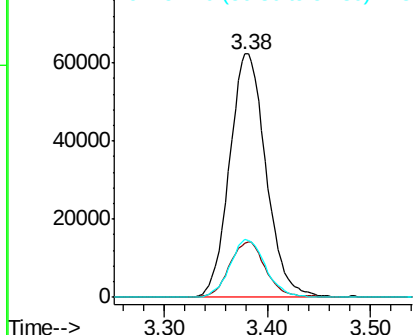
Methyl tert-butyl Ether
 Concen: 5.080 ug/L
 RT: 3.38 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VU040559.D
 Acq: 08 Oct 2020 13:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00501

Tot Ion: 73 Resp: 153277
 Ion Ratio Lower Upper
 73 100
 43 22.8 18.2 27.4
 57 23.3 18.6 28.0



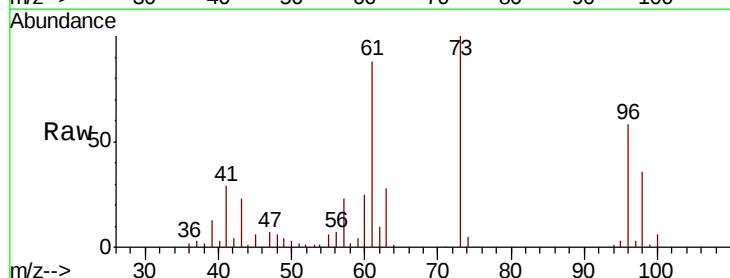
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



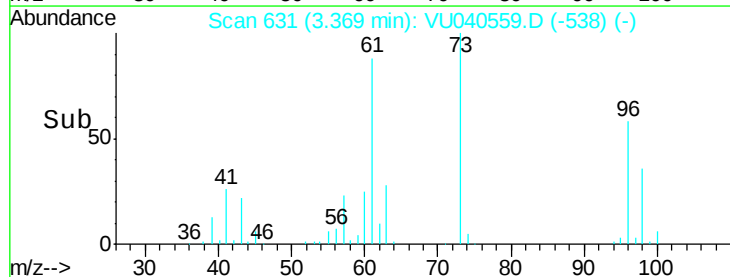
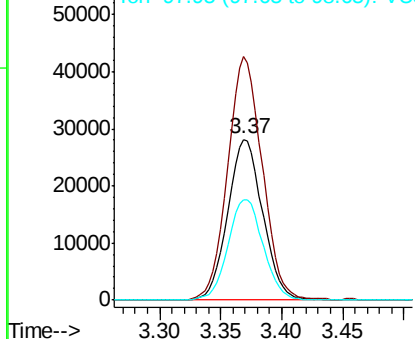
#18

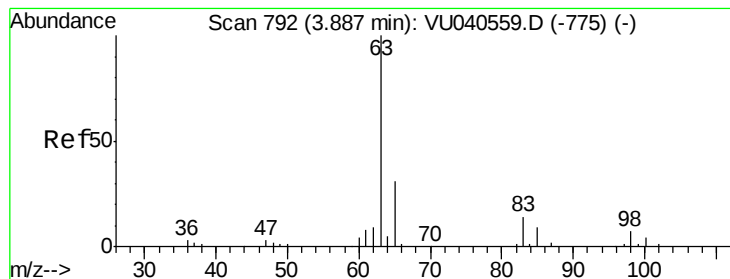
trans-1,2-Dichloroethene
 Concen: 5.018 ug/L
 RT: 3.37 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: VU040559.D
 Acq: 08 Oct 2020 13:46

Tgt Ion: 96 Resp: 56091
 Ion Ratio Lower Upper
 96 100
 61 151.3 105.9 196.7
 98 62.5 43.8 81.3



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: 5.078 ug/L

RT: 3.89 min Scan# 792

Delta R.T. 0.00 min

Lab File: VU040559.D

Acq: 08 Oct 2020 13:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD00501

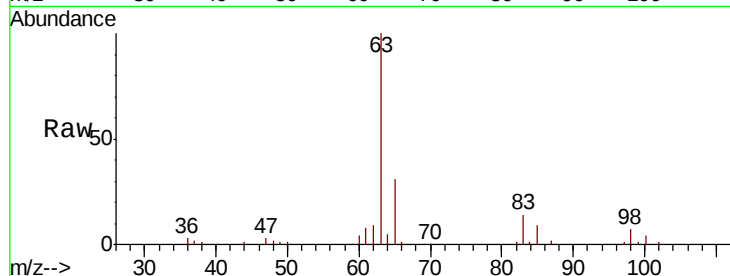
Tot Ion: 63 Resp: 117326

Ion Ratio Lower Upper

63 100

65 31.3 21.9 40.7

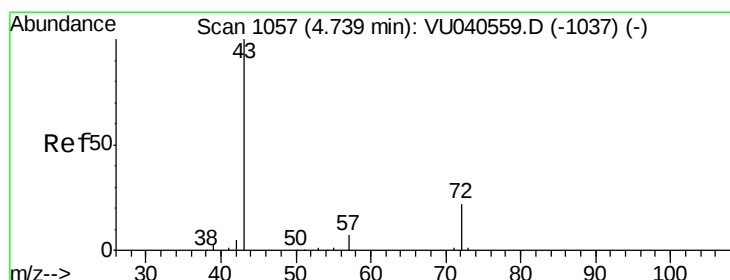
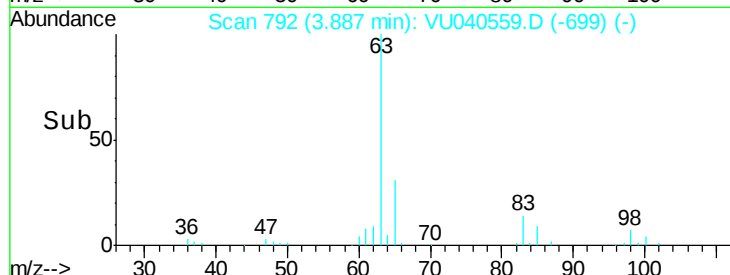
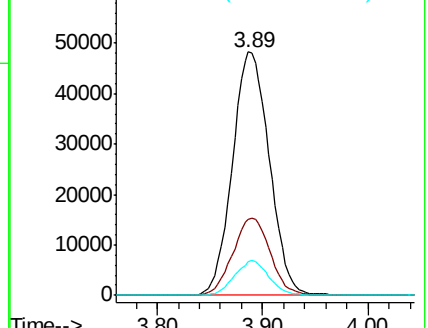
83 13.7 9.6 17.8



Abundance Ion 63.10 (62.80 to 63.80): VU040559.D (-775) (-)

Ion 65.10 (64.80 to 65.80): VU040559.D (-775) (-)

Ion 83.05 (82.75 to 83.75): VU040559.D (-775) (-)



#21

2-Butanone

Concen: 53.708 ug/L

RT: 4.74 min Scan# 1057

Delta R.T. 0.00 min

Lab File: VU040559.D

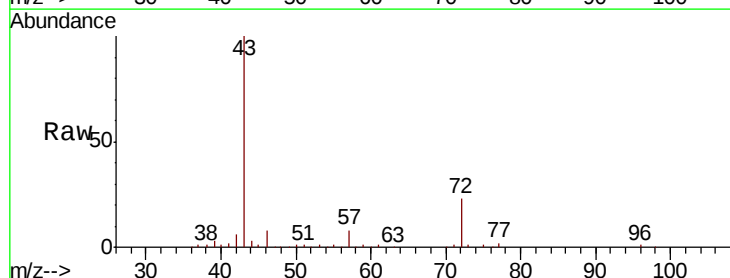
Acq: 08 Oct 2020 13:46

Tgt Ion: 43 Resp: 256020

Ion Ratio Lower Upper

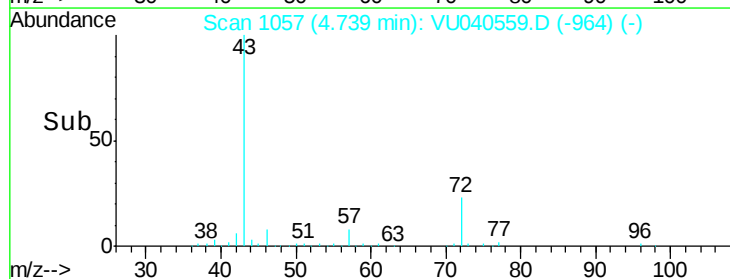
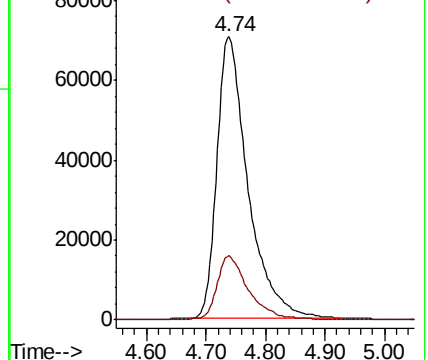
43 100

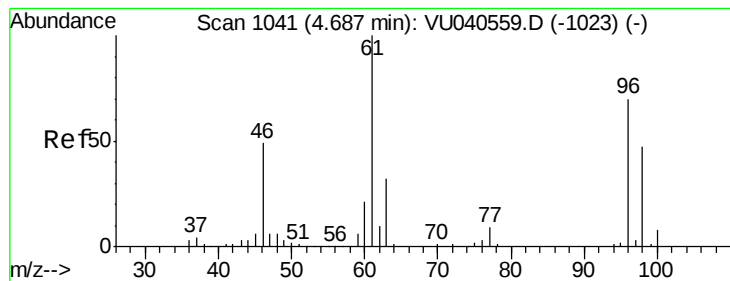
72 22.8 11.4 34.2



Abundance Ion 43.05 (42.75 to 43.75): VU040559.D (-1037) (-)

Ion 72.10 (71.80 to 72.80): VU040559.D (-1037) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.978 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040559.D

Acq: 08 Oct 2020 13:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD00501

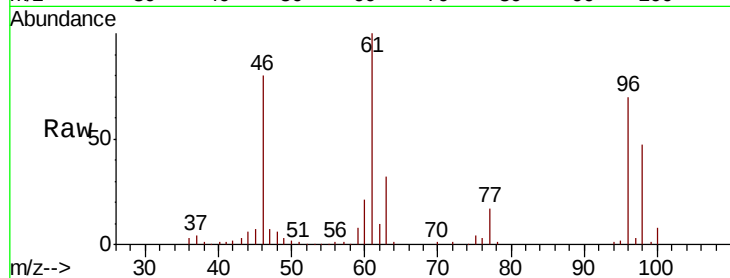
Tot Ion: 96 Resp: 61434

Ion Ratio Lower Upper

96 100

61 142.6 99.8 185.4

68 0.0 0.0 0.0

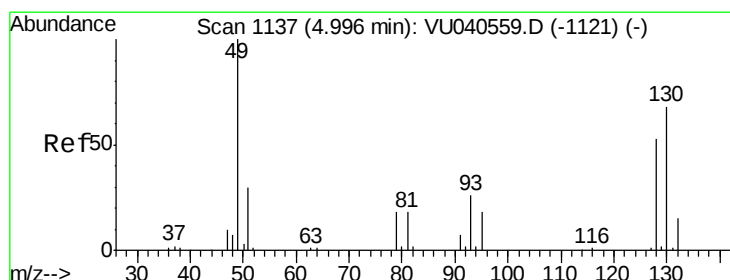
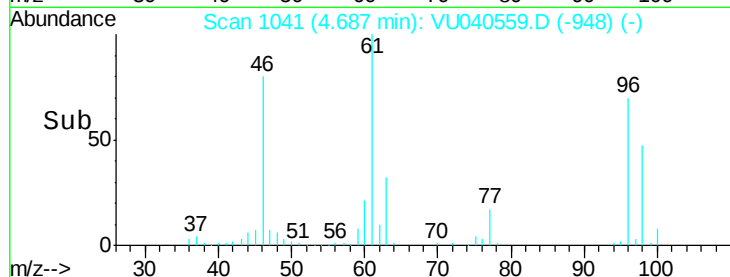
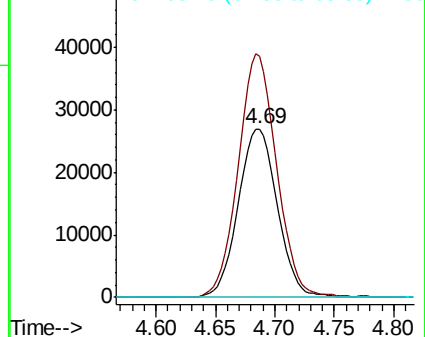


Abundance

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: 5.271 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VU040559.D

Acq: 08 Oct 2020 13:46

Tgt Ion:128 Resp: 30241

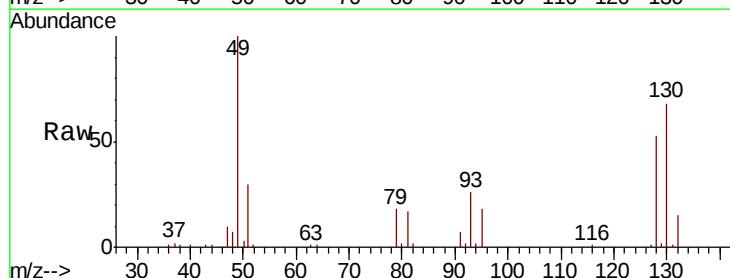
Ion Ratio Lower Upper

128 100

49 188.8 132.2 245.4

130 127.5 89.2 165.8

51 56.6 45.3 67.9



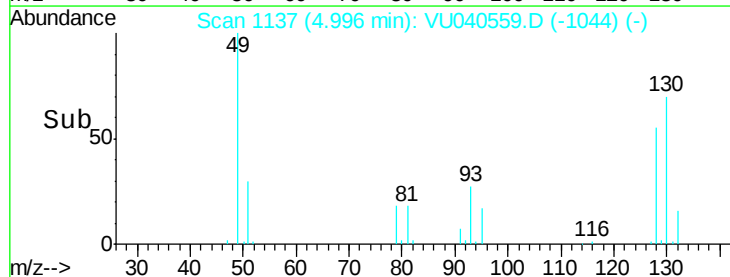
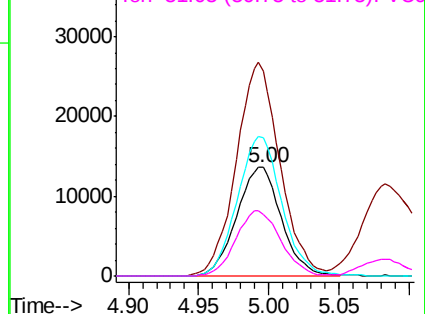
Abundance

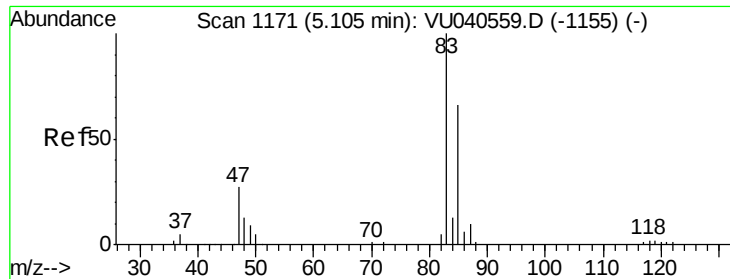
Ion 127.90 (127.60 to 128.60): V

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

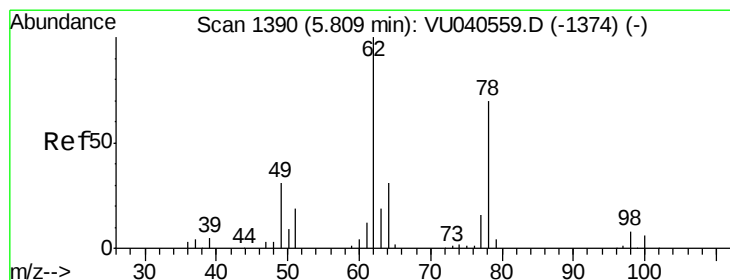
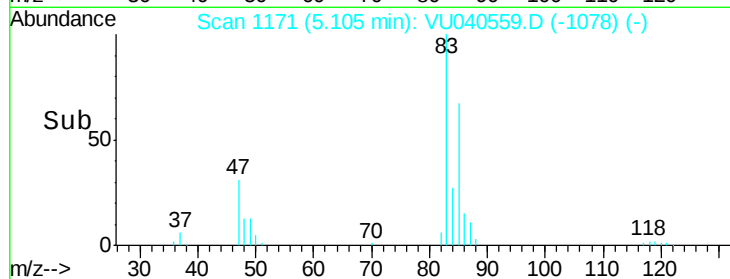
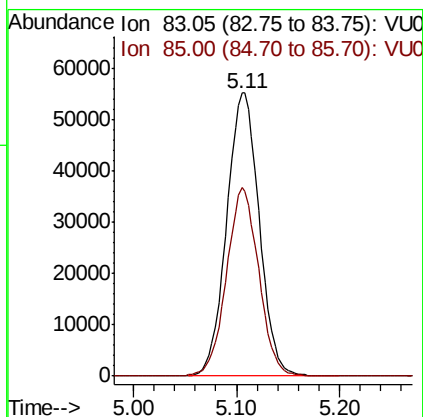
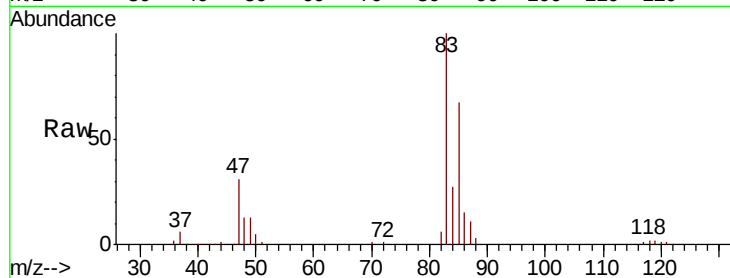




#25
Chloroform
Concen: 5.154 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040559.D
Acq: 08 Oct 2020 13:46

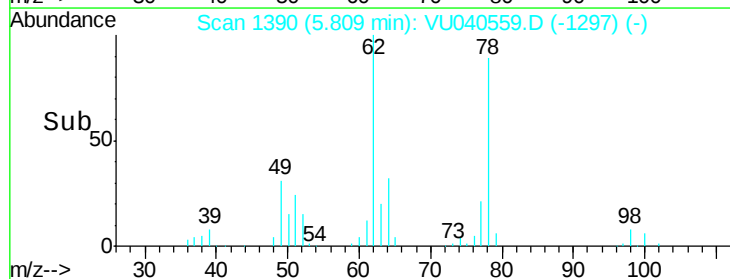
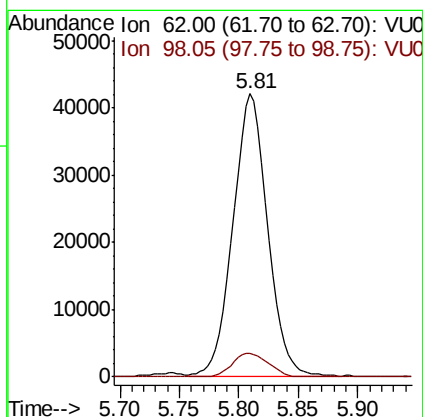
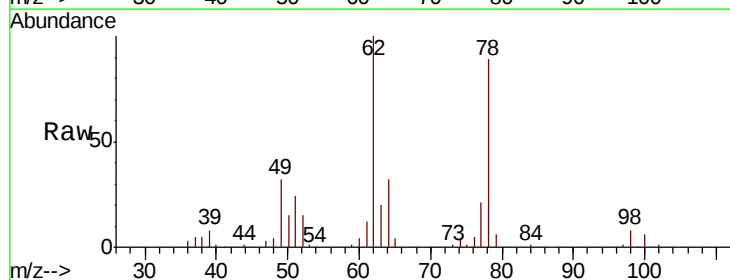
Instrument :
MSVOA_U
ClientSampleId :
VSTD00501

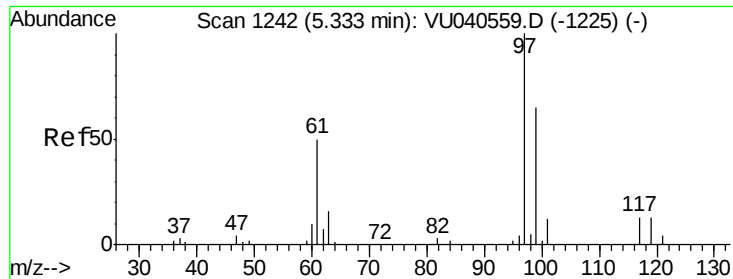
Tot Ion: 83 Resp: 121500
Ion Ratio Lower Upper
83 100
85 66.5 46.5 86.5



#27
1,2-Dichloroethane
Concen: 5.133 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040559.D
Acq: 08 Oct 2020 13:46

Tgt Ion: 62 Resp: 84112
Ion Ratio Lower Upper
62 100
98 8.3 6.6 10.0

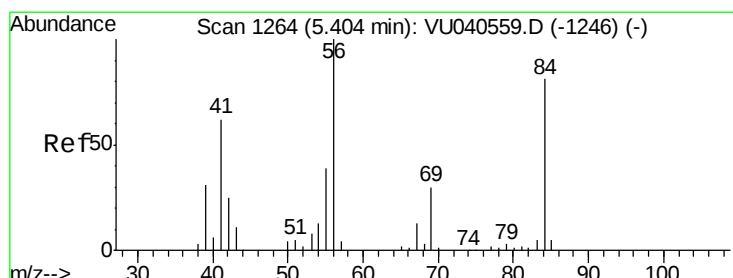
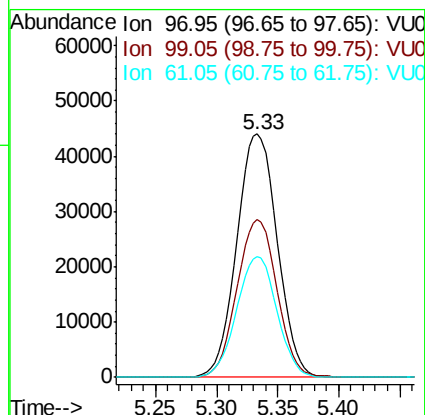
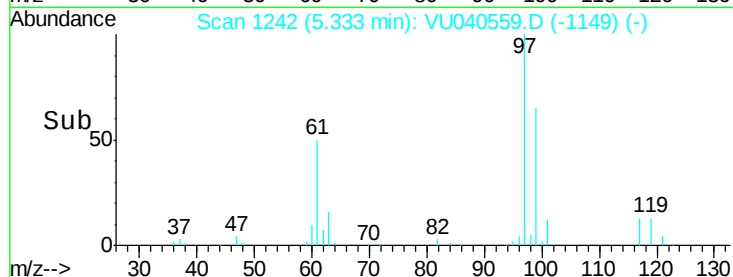
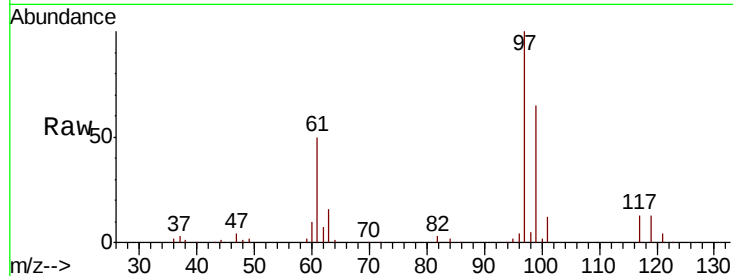




#29
1,1,1-Trichloroethane
Concen: 5.198 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VU040559.D
Acq: 08 Oct 2020 13:46

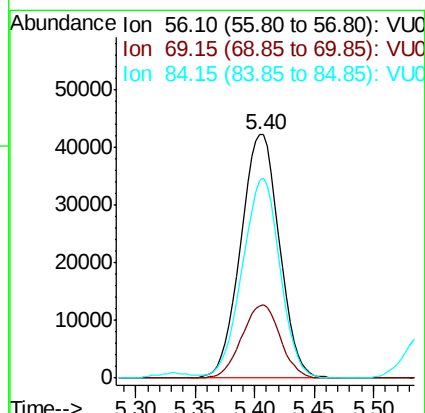
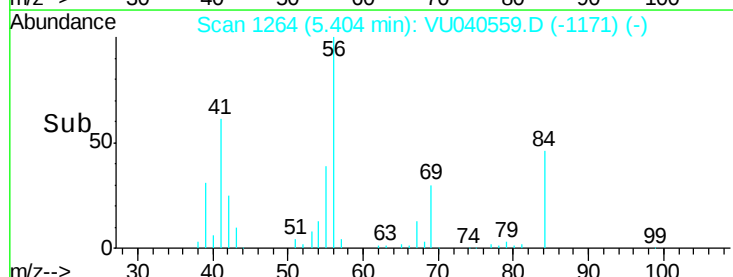
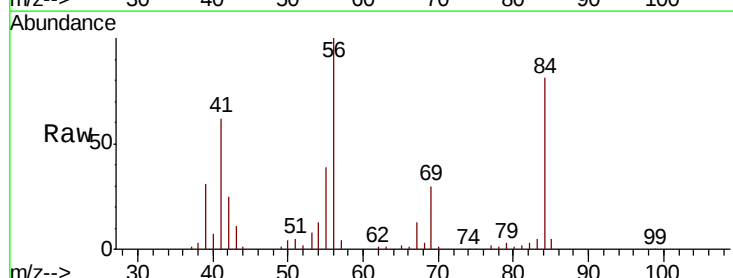
Instrument :
MSVOA_U
ClientSampleId :
VSTD00501

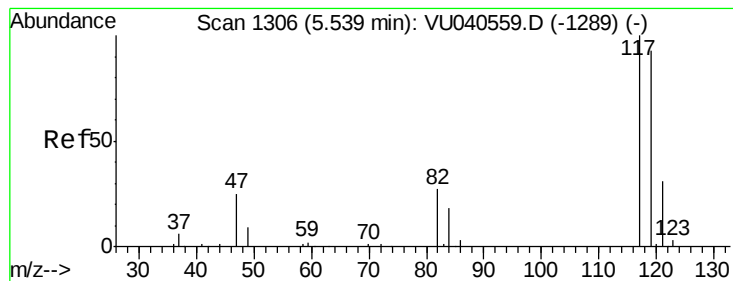
Tot Ion: 97 Resp: 101155
Ion Ratio Lower Upper
97 100
99 64.1 51.3 76.9
61 49.3 39.4 59.2



#30
Cyclohexane
Concen: 4.810 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VU040559.D
Acq: 08 Oct 2020 13:46

Tgt Ion: 56 Resp: 95258
Ion Ratio Lower Upper
56 100
69 29.8 23.8 35.8
84 80.0 64.0 96.0





#31

Carbon tetrachloride

Concen: 5.255 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU040559.D

Acq: 08 Oct 2020 13:46

Instrument :

MSVOA_U

ClientSampleId :

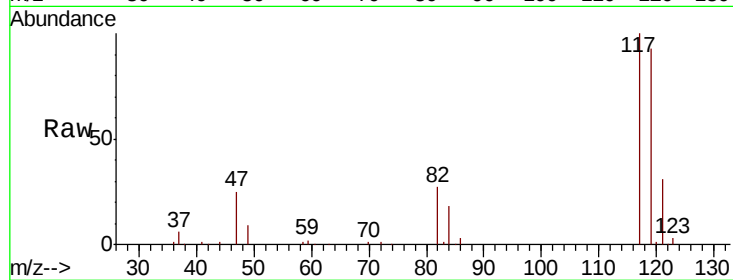
VSTD00501

Tot Ion:117 Resp: 87884

Ion Ratio Lower Upper

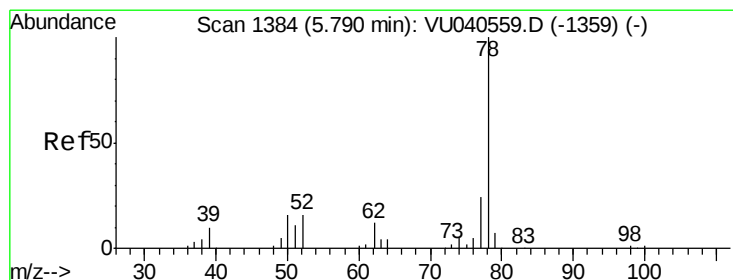
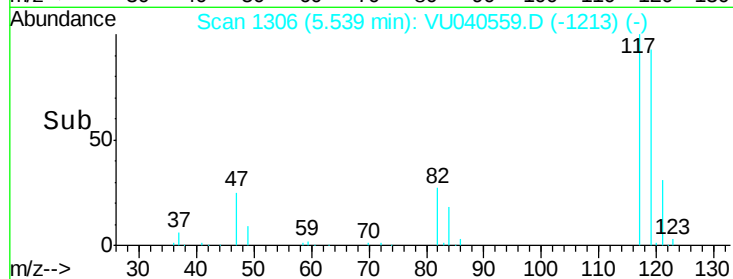
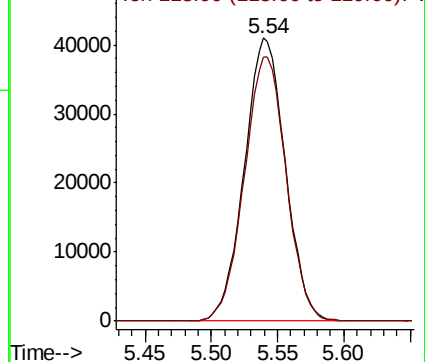
117 100

119 95.2 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.225 ug/L

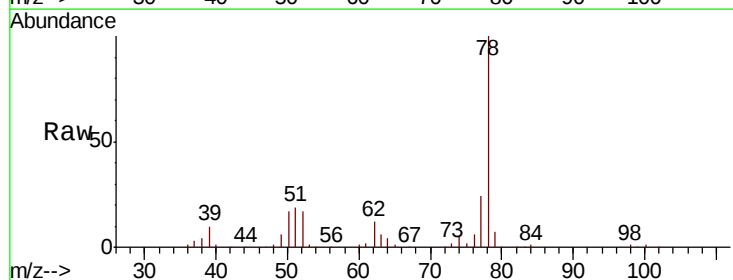
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

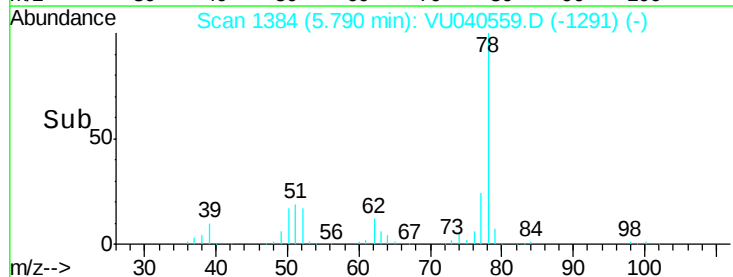
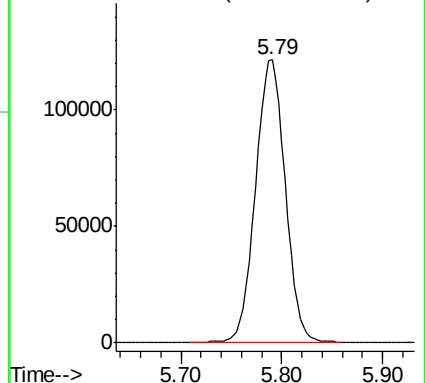
Lab File: VU040559.D

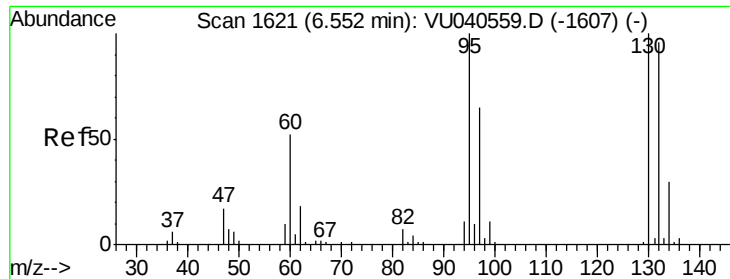
Acq: 08 Oct 2020 13:46

Tgt Ion: 78 Resp: 249077



Abundance Ion 78.10 (77.80 to 78.80): VU0

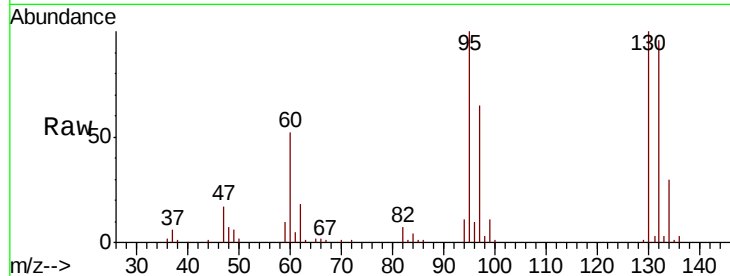




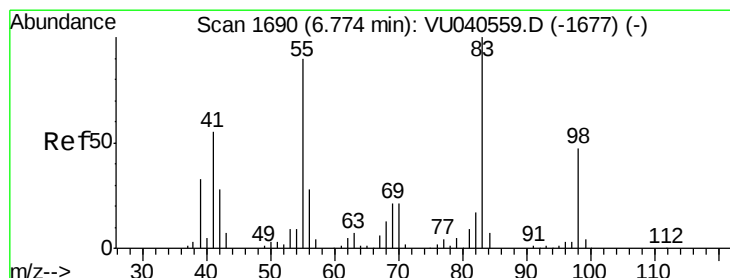
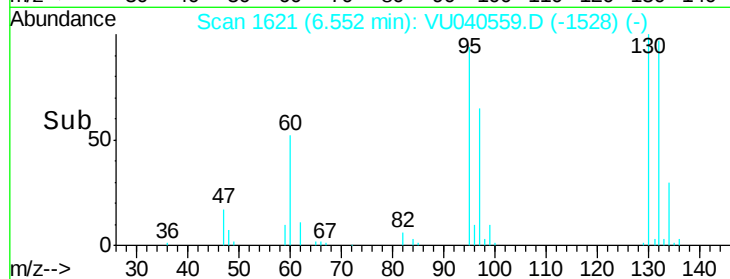
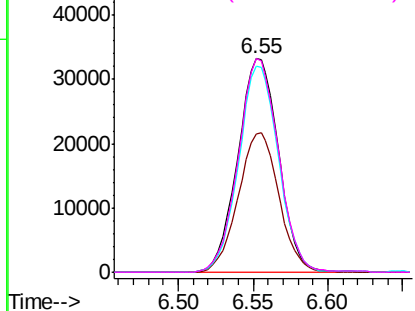
#34
 Trichloroethene
 Concen: 4.977 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU040559.D
 Acq: 08 Oct 2020 13:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00501

Tot Ion: 95 Resp: 62743
 Ion Ratio Lower Upper
 95 100
 97 65.0 45.5 84.5
 132 96.5 67.5 125.4
 130 99.9 69.9 129.9

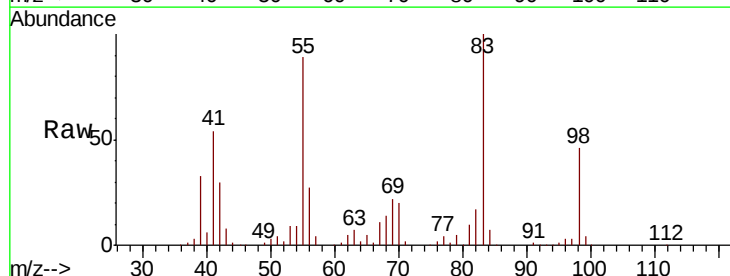


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

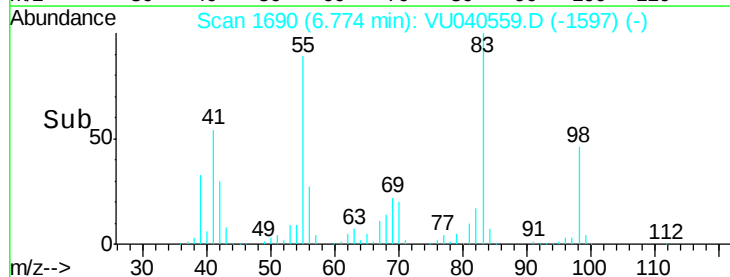
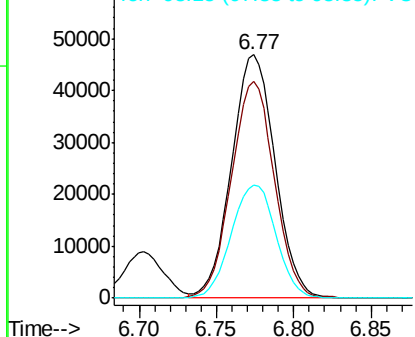


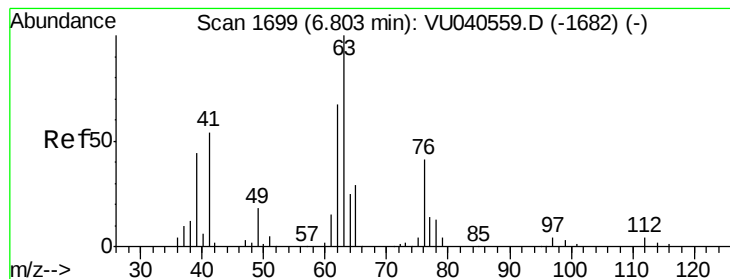
#35
 Methylcyclohexane
 Concen: 4.967 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU040559.D
 Acq: 08 Oct 2020 13:46

Tgt Ion: 83 Resp: 91255
 Ion Ratio Lower Upper
 83 100
 55 88.4 70.7 106.1
 98 48.0 38.4 57.6



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: 5.233 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VU040559.D

Acq: 08 Oct 2020 13:46

Instrument :

MSVOA_U

ClientSampleId :

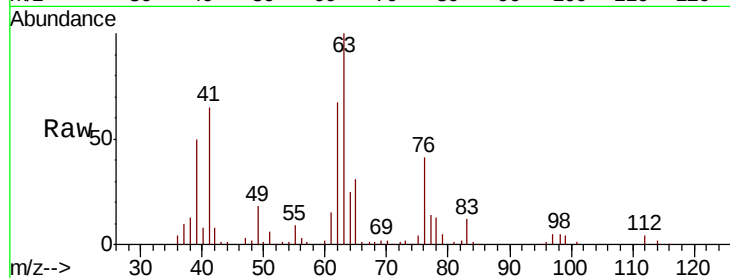
VSTD00501

Tot Ion: 63 Resp: 70108

Ion Ratio Lower Upper

63 100

112 4.4 3.5 5.3



Abundance Ion 63.10 (62.80 to 63.80): VU040559.D (-1682) (-)

Ion 112.10 (111.80 to 112.80): VU040559.D (-1682) (-)

6.80

40000

30000

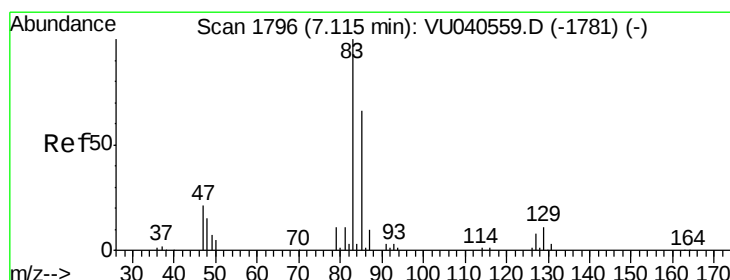
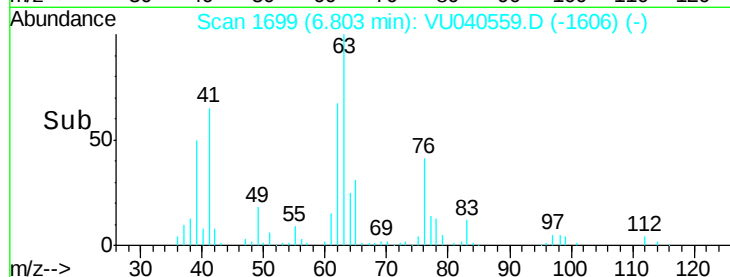
20000

10000

0

Time-->

6.70 6.75 6.80 6.85 6.90



#38

Bromodichloromethane

Concen: 5.311 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VU040559.D

Acq: 08 Oct 2020 13:46

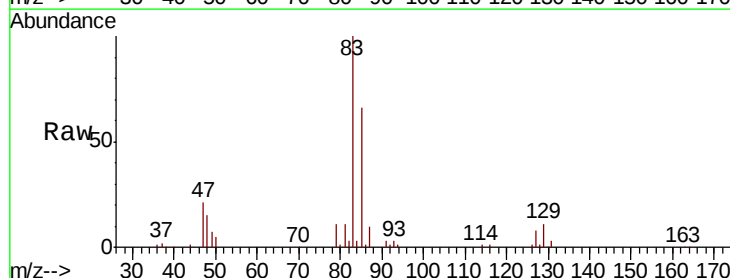
Tgt Ion: 83 Resp: 87408

Ion Ratio Lower Upper

83 100

85 65.7 46.0 85.4

127 8.4 6.7 10.1



Abundance Ion 82.95 (82.65 to 83.65): VU040559.D (-1781) (-)

Ion 85.00 (84.70 to 85.70): VU040559.D (-1781) (-)

Ion 126.90 (126.60 to 127.60): VU040559.D (-1781) (-)

7.11

60000

50000

40000

30000

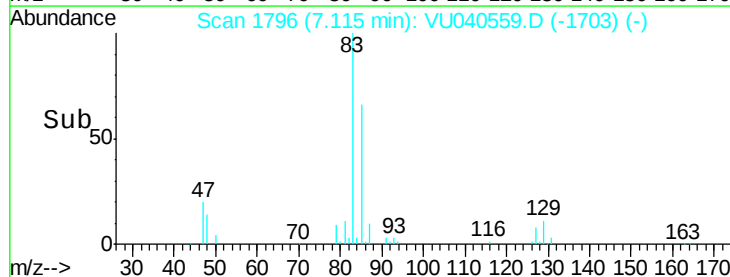
20000

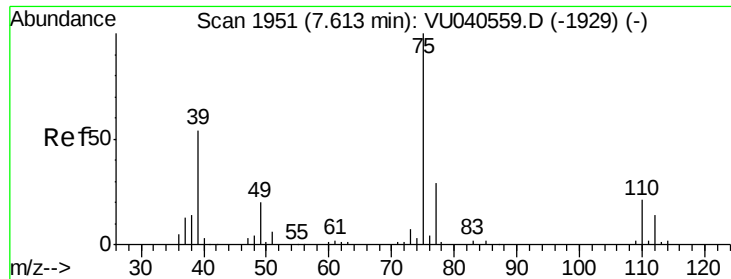
10000

0

Time-->

7.05 7.10 7.15 7.20

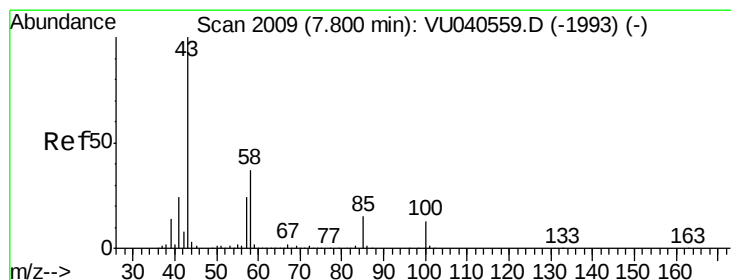
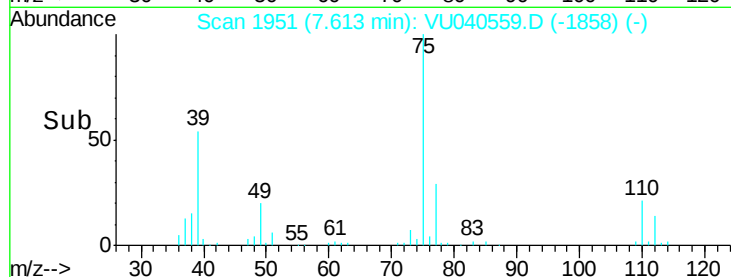
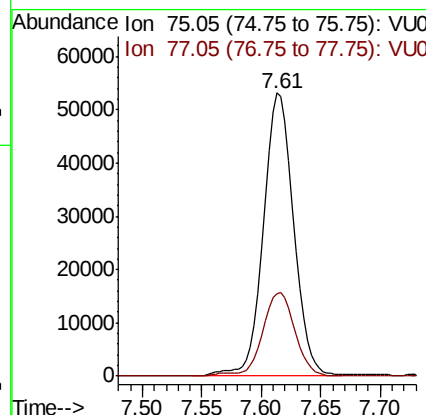
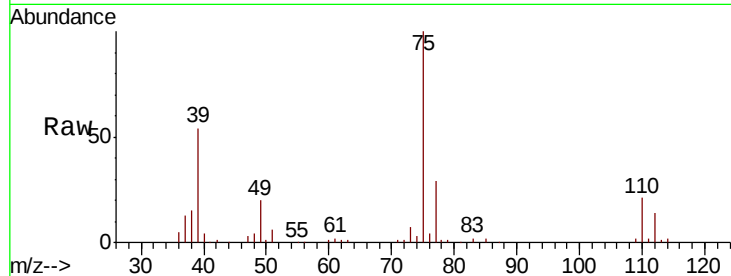




#39
 cis-1,3-Dichloropropene
 Concen: 5.258 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU040559.D
 Acq: 08 Oct 2020 13:46

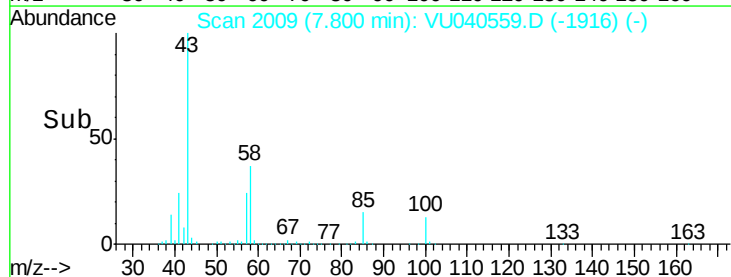
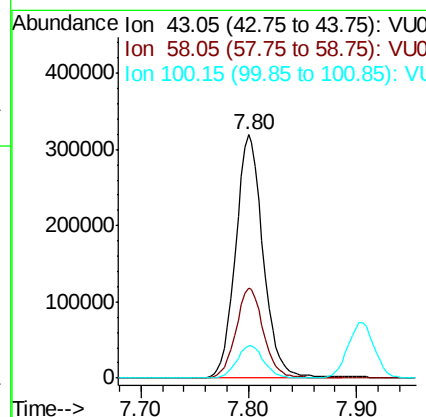
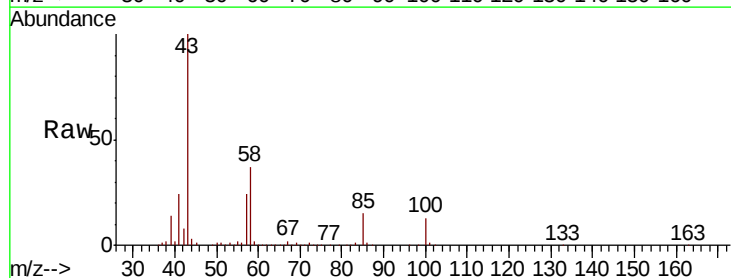
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00501

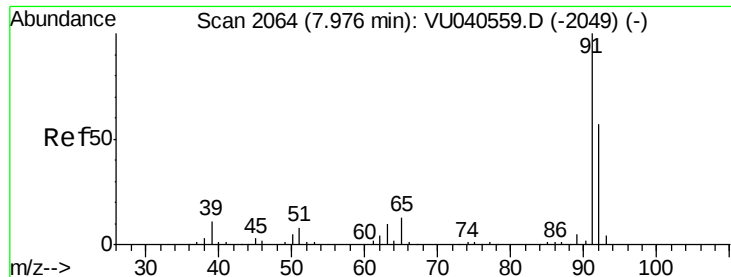
Tot Ion: 75 Resp: 93969
 Ion Ratio Lower Upper
 75 100
 77 29.3 20.5 38.1



#40
 4-Methyl-2-pentanone
 Concen: 54.461 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU040559.D
 Acq: 08 Oct 2020 13:46

Tgt Ion: 43 Resp: 568695
 Ion Ratio Lower Upper
 43 100
 58 37.1 29.7 44.5
 100 13.4 10.7 16.1





#42

Toluene

Concen: 5.326 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040559.D

Acq: 08 Oct 2020 13:46

Instrument :

MSVOA_U

ClientSampleId :

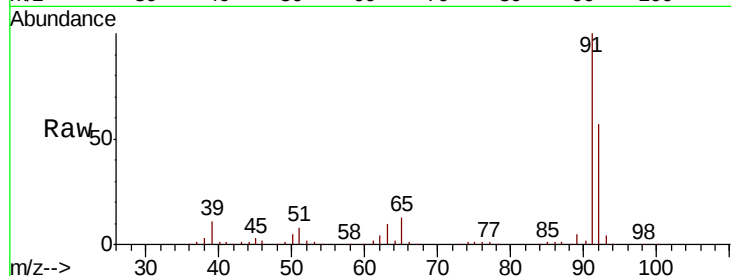
VSTD00501

Tot Ion: 91 Resp: 260138

Ion Ratio Lower Upper

91 100

92 57.4 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.98

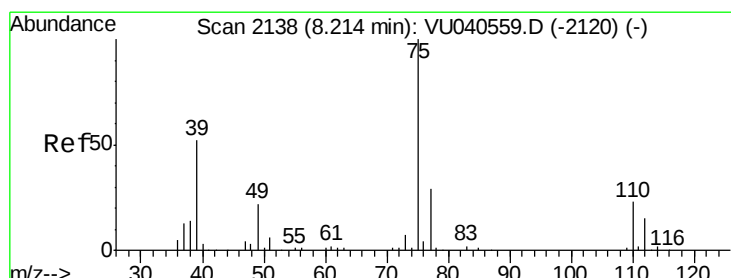
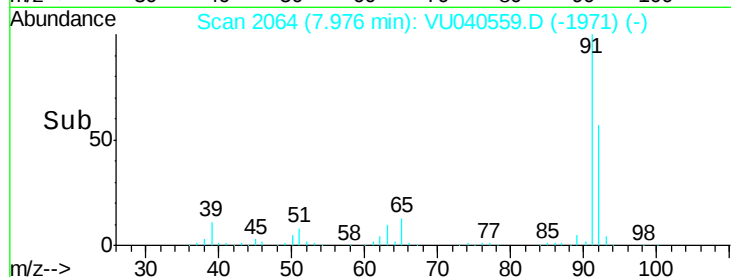
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.361 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU040559.D

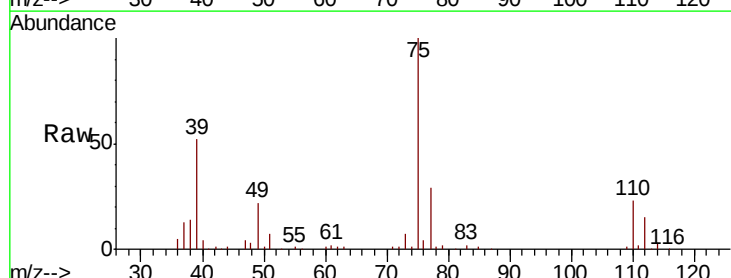
Acq: 08 Oct 2020 13:46

Tgt Ion: 75 Resp: 88875

Ion Ratio Lower Upper

75 100

77 29.2 20.4 38.0



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

60000

50000

40000

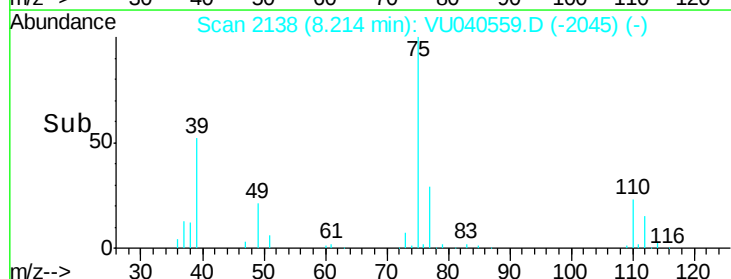
30000

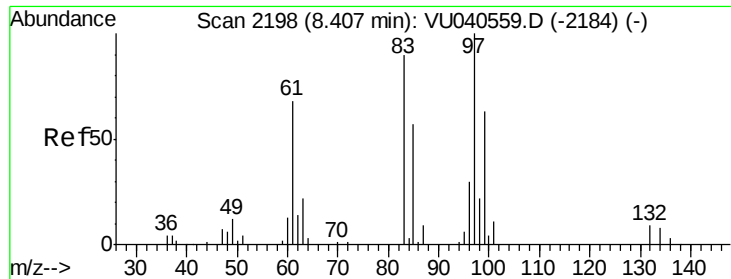
20000

10000

0

Time-->

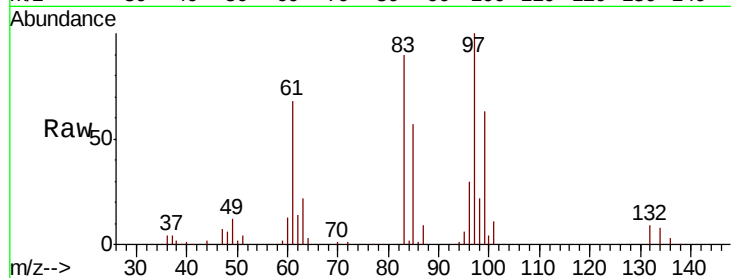




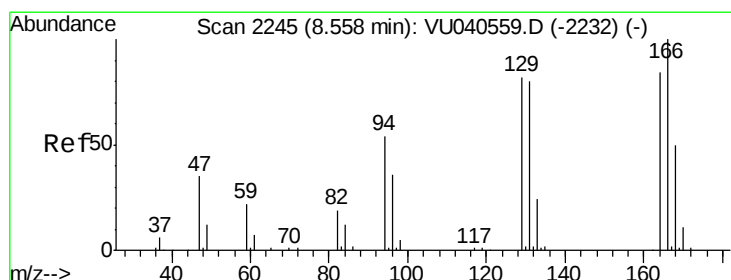
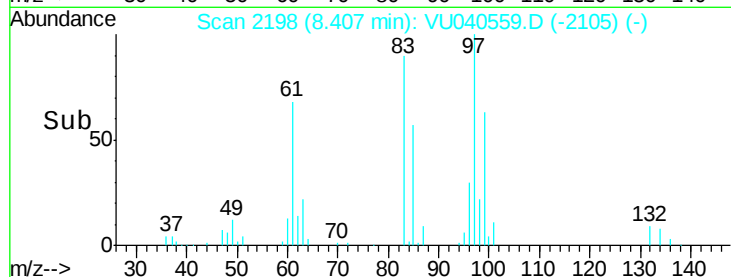
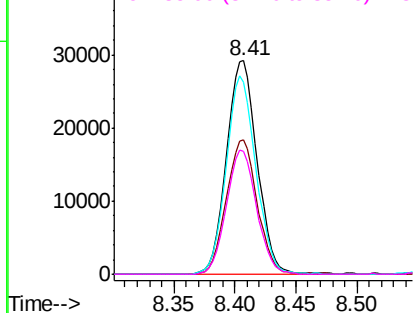
#45
1,1,2-Trichloroethane
Concen: 5.450 ug/L
RT: 8.41 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VU040559.D
Acq: 08 Oct 2020 13:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD00501

Tot Ion:	97	Resp:	51259
Ion	Ratio	Lower	Upper
97	100		
99	62.8	44.0	81.6
83	89.9	62.9	116.9
85	57.5	40.3	74.8

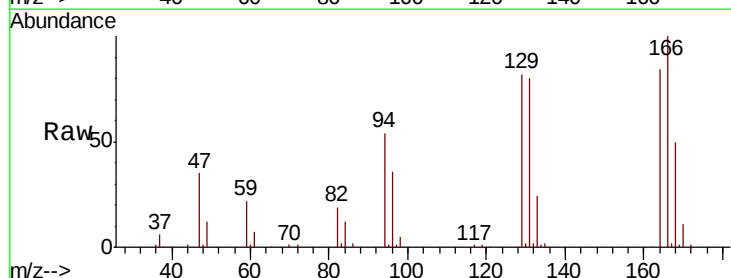


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

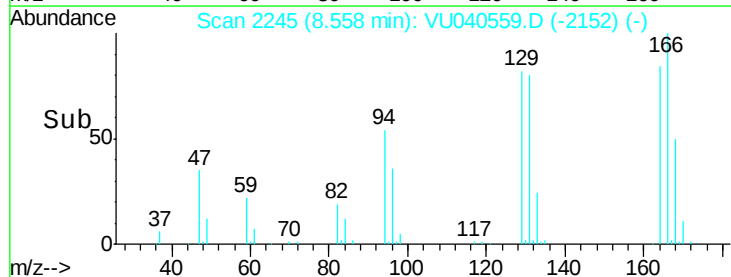
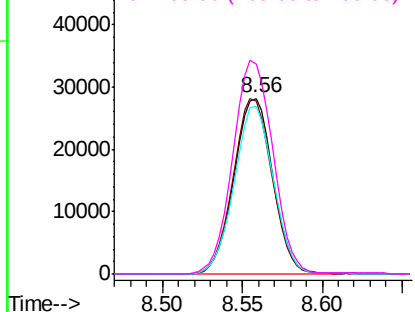


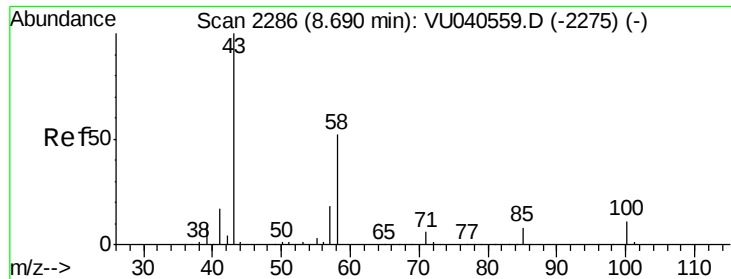
#47
Tetrachloroethene
Concen: 5.166 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU040559.D
Acq: 08 Oct 2020 13:46

Tgt Ion:	164	Resp:	46699
Ion	Ratio	Lower	Upper
164	100		
129	98.3	68.8	127.8
131	95.3	66.7	123.9
166	119.8	83.9	155.7



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

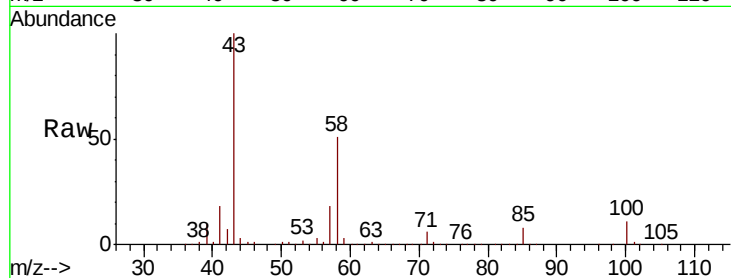




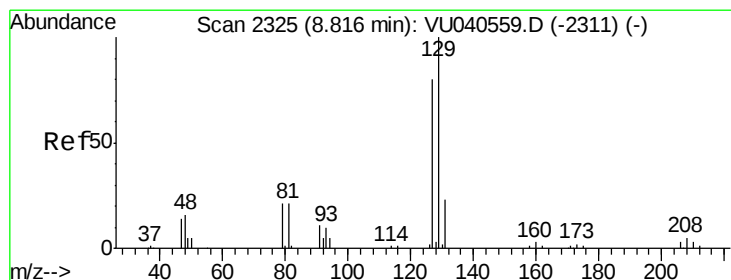
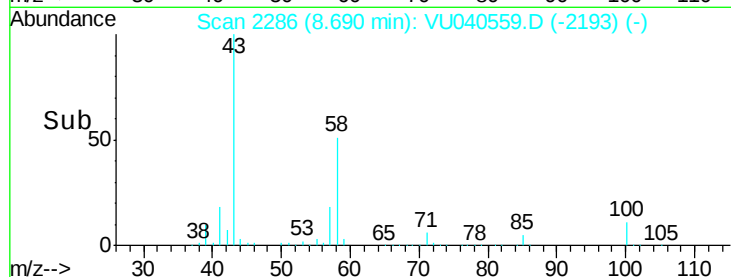
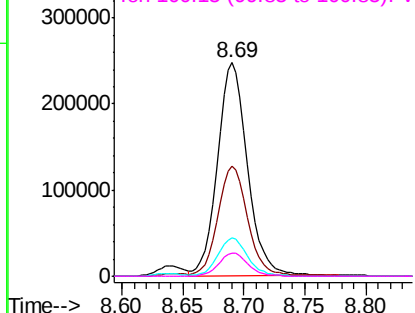
#48
2-Hexanone
Concen: 55.186 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040559.D
Acq: 08 Oct 2020 13:46

Instrument :
MSVOA_U
ClientSampled :
VSTD00501

Tot Ion: 43 Resp: 427360
Ion Ratio Lower Upper
43 100
58 51.3 41.0 61.6
57 18.0 14.4 21.6
100 10.8 8.6 13.0

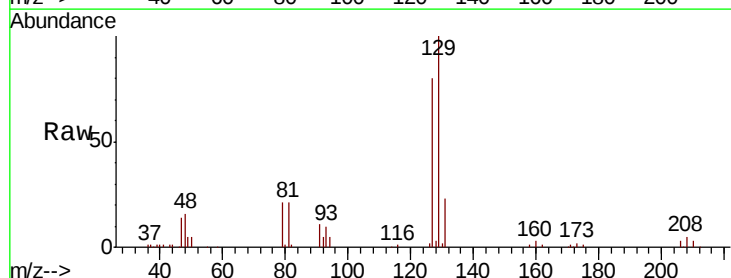


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

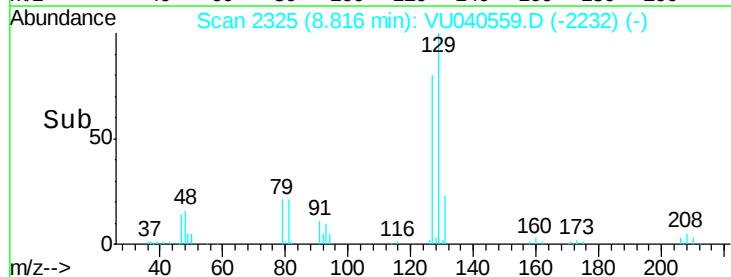
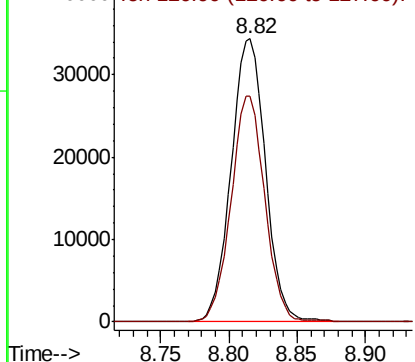


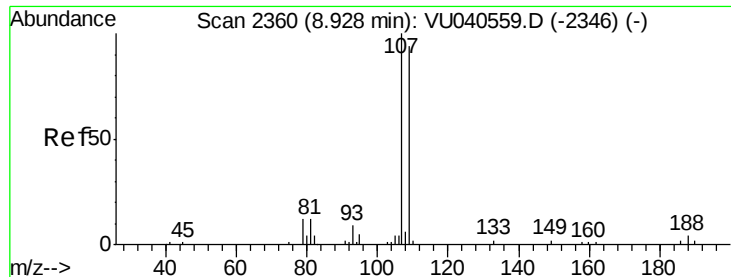
#49
Dibromochloromethane
Concen: 5.468 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU040559.D
Acq: 08 Oct 2020 13:46

Tgt Ion: 129 Resp: 60114
Ion Ratio Lower Upper
129 100
127 79.7 55.8 103.6



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

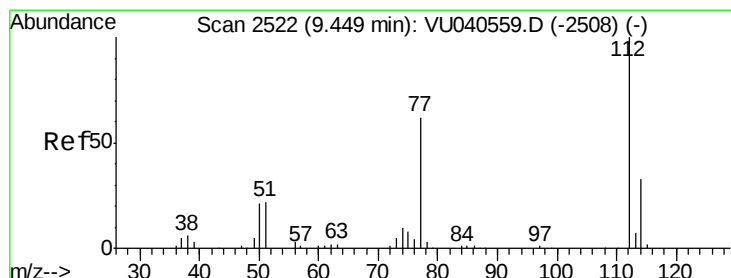
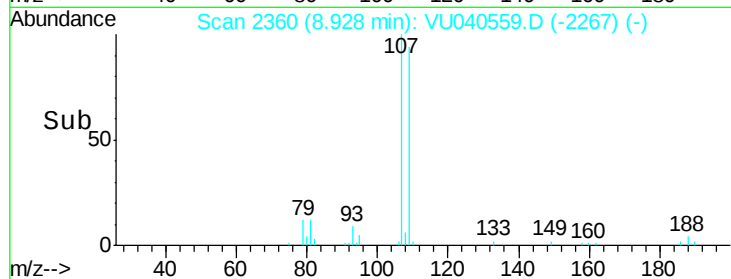
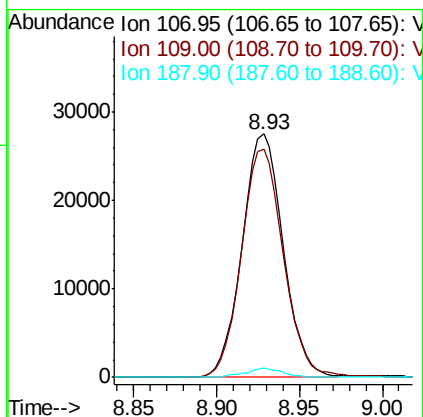
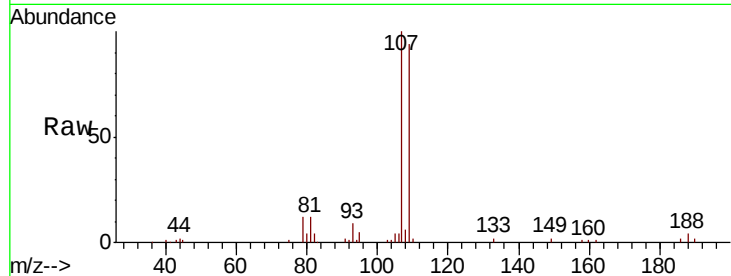




#50
 1,2-Dibromoethane
 Concen: 5.326 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU040559.D
 Acq: 08 Oct 2020 13:46

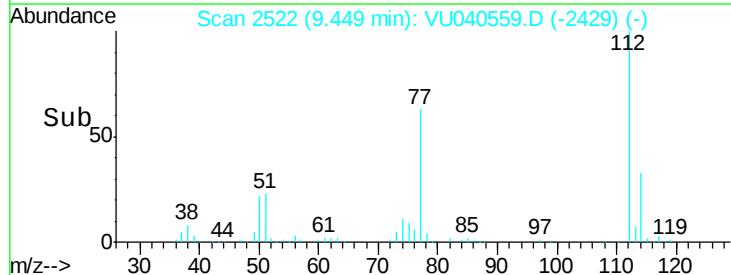
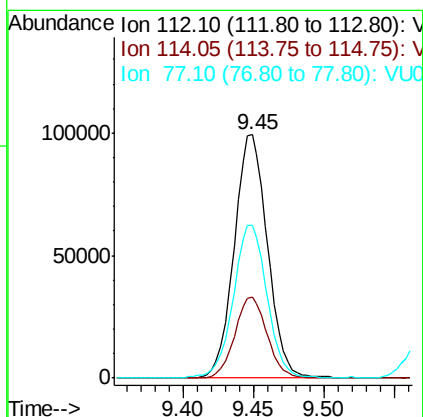
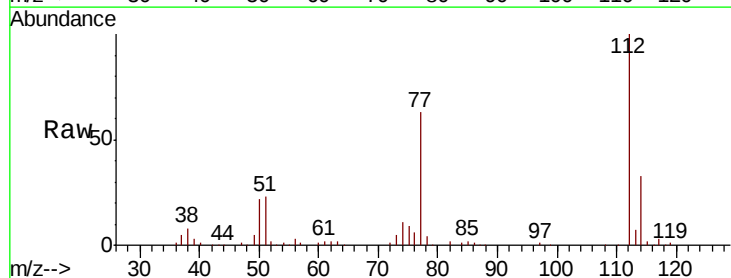
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00501

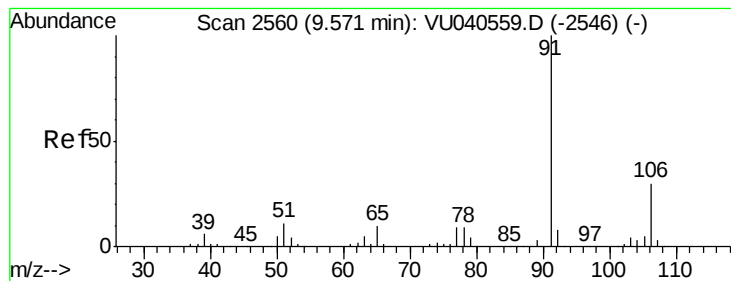
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	65.7	121.9
188	3.7	3.0	4.4



#51
 Chlorobenzene
 Concen: 5.214 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU040559.D
 Acq: 08 Oct 2020 13:46

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.0	23.1	42.9
77	62.9	50.3	75.5





#52

Ethylbenzene

Concen: 5.238 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040559.D

Acq: 08 Oct 2020 13:46

Instrument :

MSVOA_U

ClientSampleId :

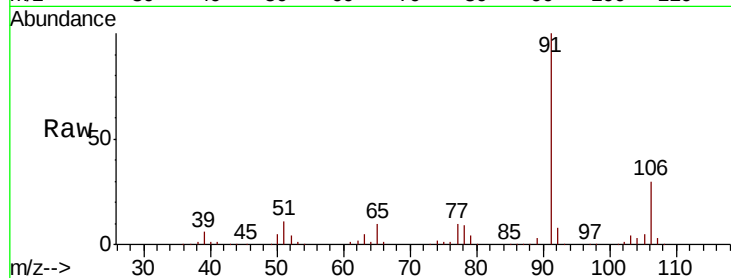
VSTD00501

Tot Ion: 91 Resp: 277497

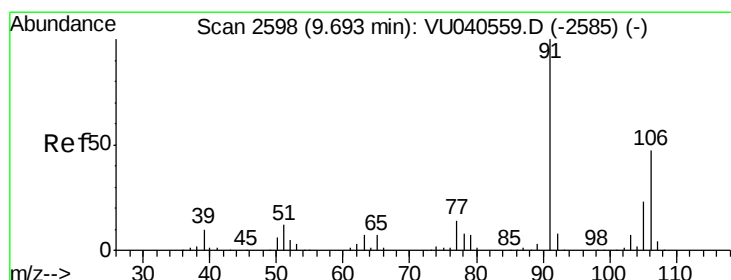
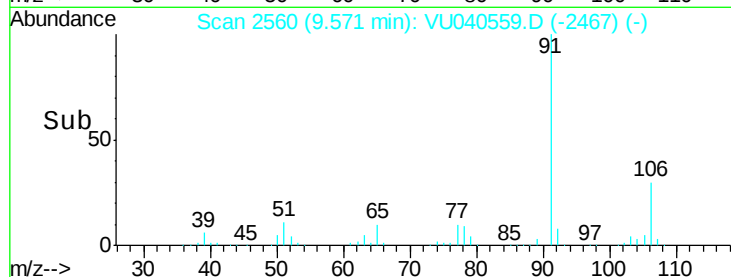
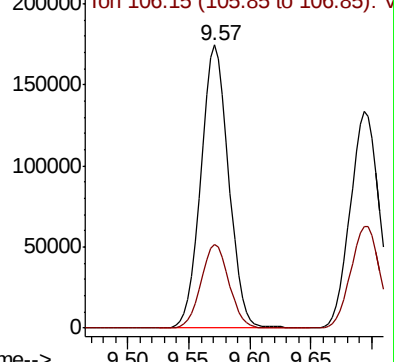
Ion Ratio Lower Upper

91 100

106 29.6 20.7 38.5



Abundance Ion 91.15 (90.85 to 91.85): VU040559.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.344 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040559.D

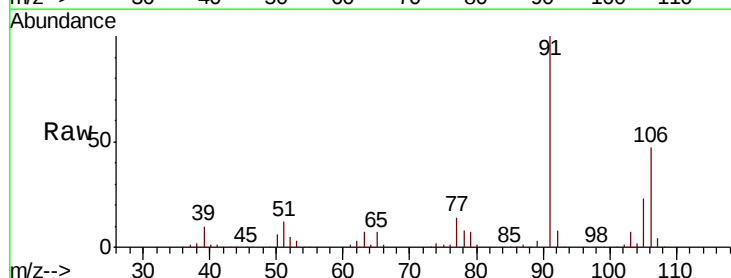
Acq: 08 Oct 2020 13:46

Tgt Ion: 106 Resp: 105461

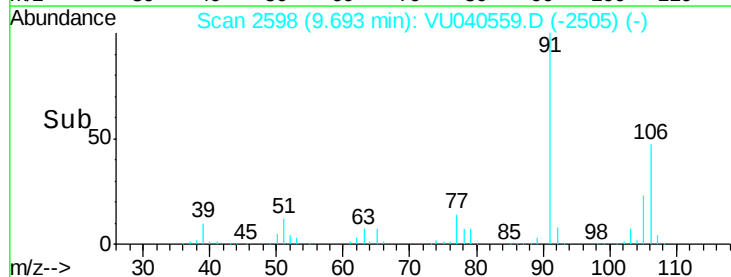
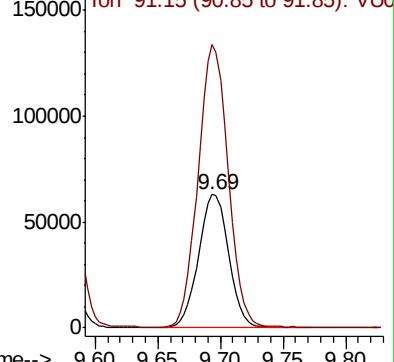
Ion Ratio Lower Upper

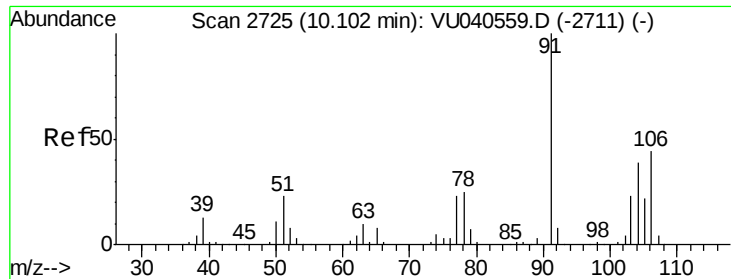
106 100

91 212.1 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): VU040559.D (-2585) (-)

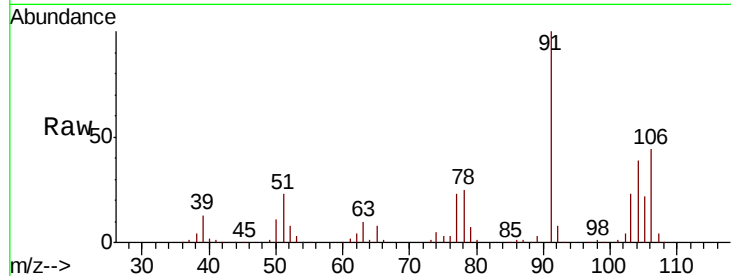




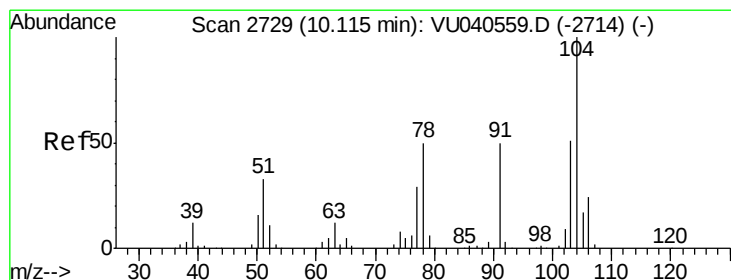
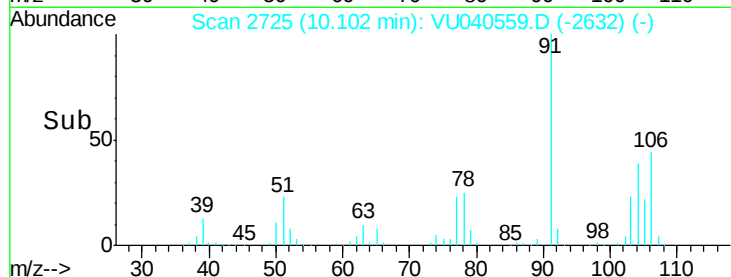
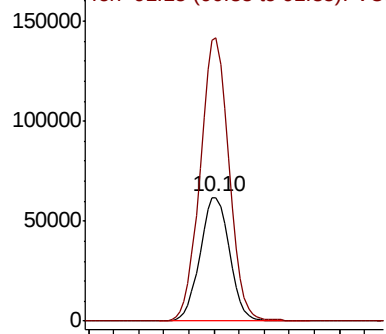
#54
o-Xylene
Concen: 5.467 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040559.D
Acq: 08 Oct 2020 13:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD00501

Tot Ion:106 Resp: 101445
Ion Ratio Lower Upper
106 100
91 228.8 160.2 297.4

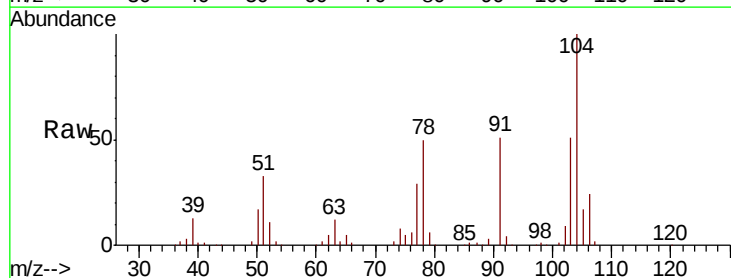


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

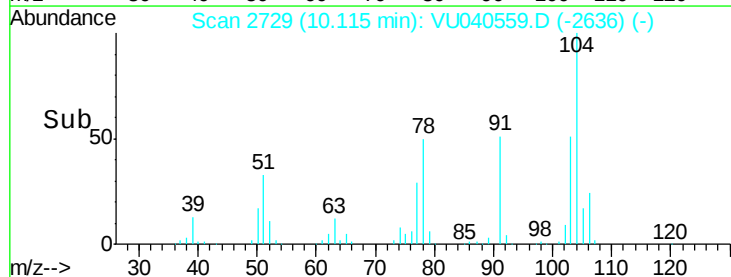
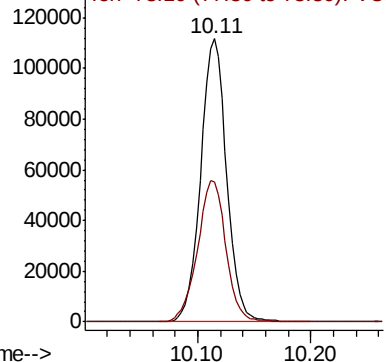


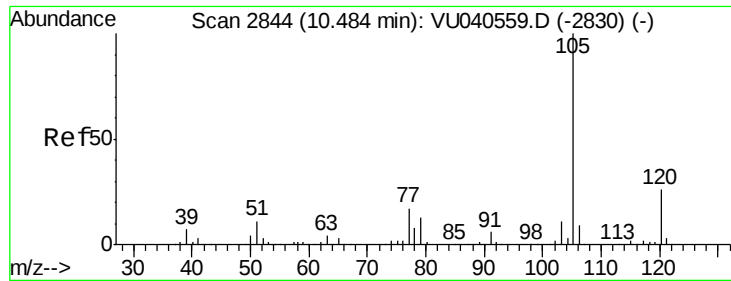
#55
Styrene
Concen: 5.511 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040559.D
Acq: 08 Oct 2020 13:46

Tgt Ion:104 Resp: 178194
Ion Ratio Lower Upper
104 100
78 49.5 34.6 64.3



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





#56

Isopropylbenzene

Concen: 5.392 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040559.D

Acq: 08 Oct 2020 13:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD00501

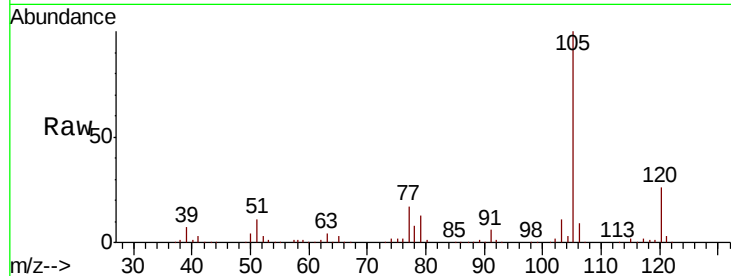
Tot Ion:105 Resp: 269927

Ion Ratio Lower Upper

105 100

120 25.7 20.6 30.8

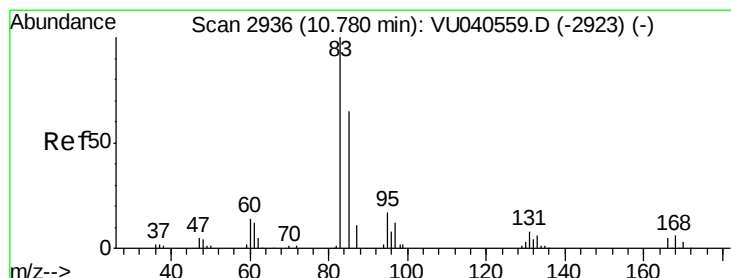
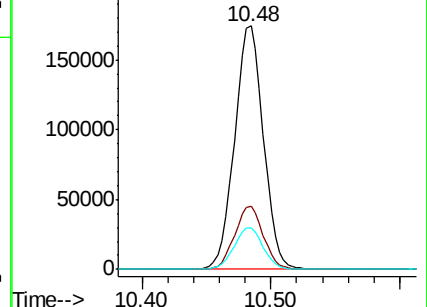
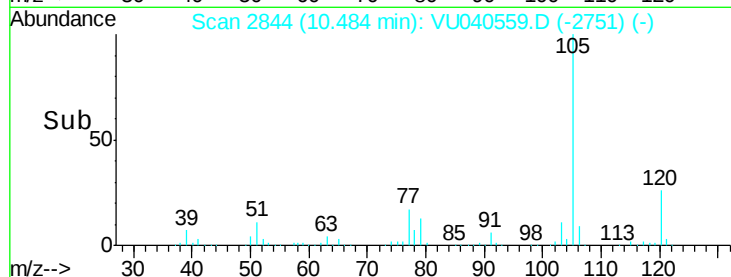
77 17.2 13.8 20.6



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: 5.203 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040559.D

Acq: 08 Oct 2020 13:46

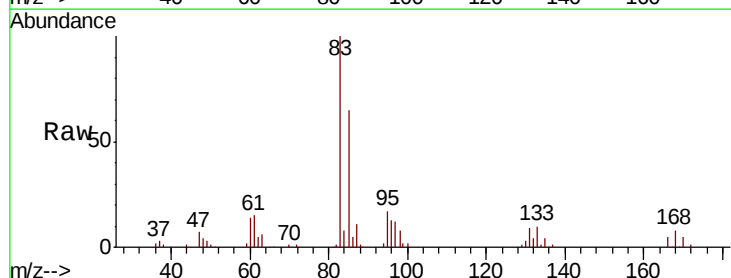
Tgt Ion: 83 Resp: 65827

Ion Ratio Lower Upper

83 100

85 65.1 45.6 84.6

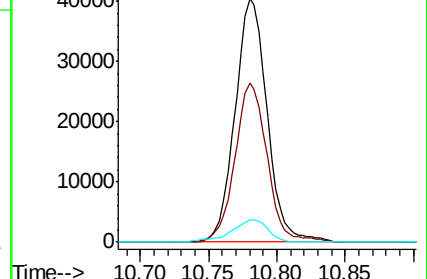
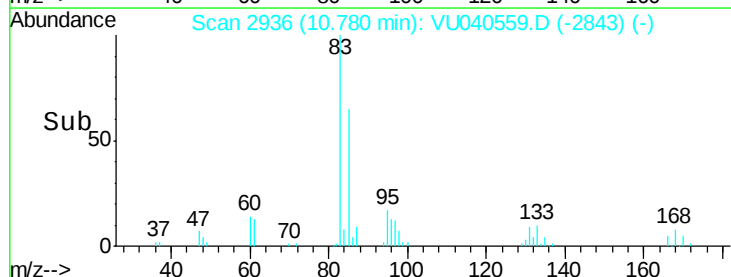
131 8.9 7.1 10.7

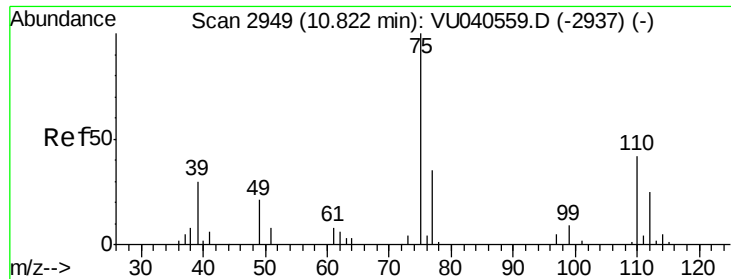


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

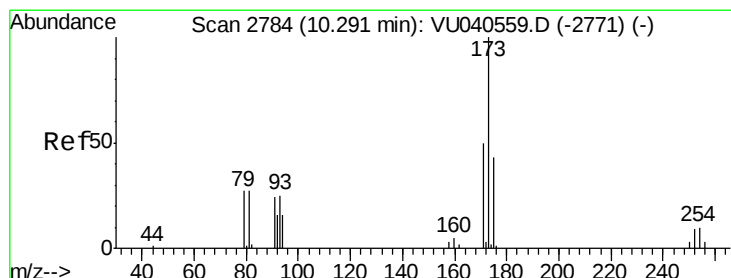
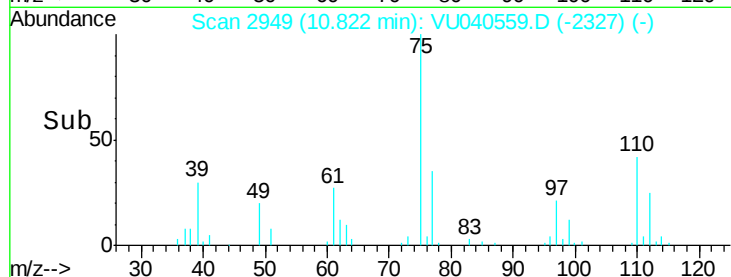
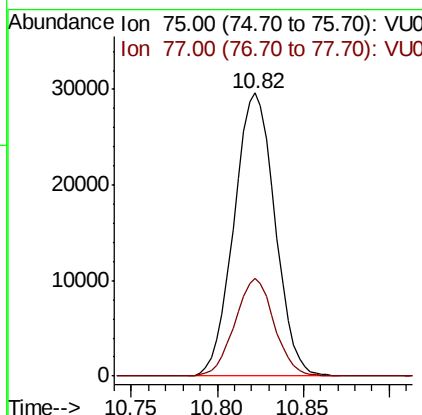
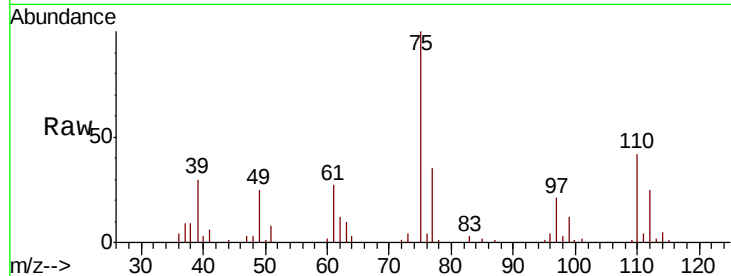




#59
 1,2,3-Trichloropropane
 Concen: 5.083 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU040559.D
 Acq: 08 Oct 2020 13:46

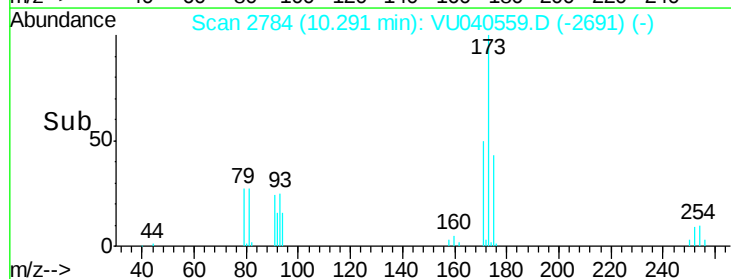
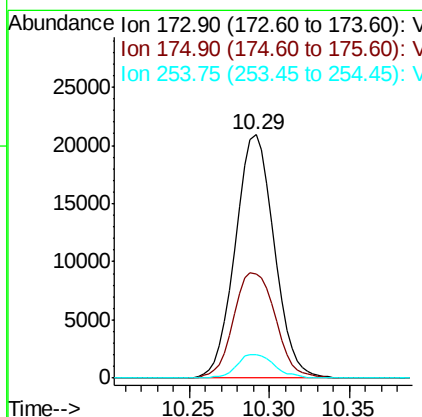
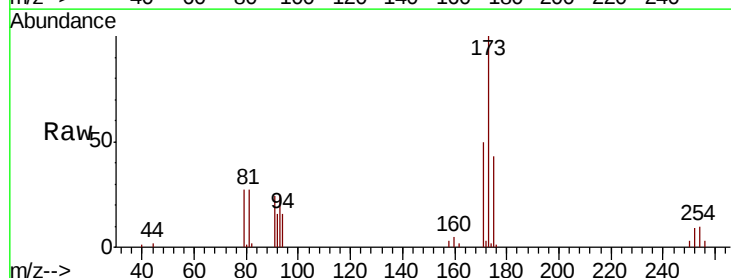
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00501

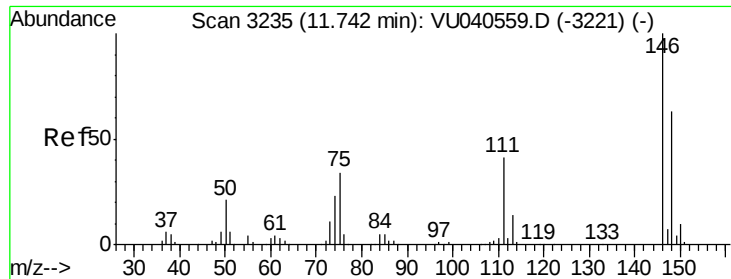
Tot Ion: 75 Resp: 48905
 Ion Ratio Lower Upper
 75 100
 77 33.0 26.4 39.6



#61
 Bromoform
 Concen: 5.429 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU040559.D
 Acq: 08 Oct 2020 13:46

Tgt Ion: 173 Resp: 34636
 Ion Ratio Lower Upper
 173 100
 175 46.7 37.4 56.0
 254 9.3 7.4 11.2





#62

1,3-Dichlorobenzene

Concen: 5.343 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU040559.D

Acq: 08 Oct 2020 13:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD00501

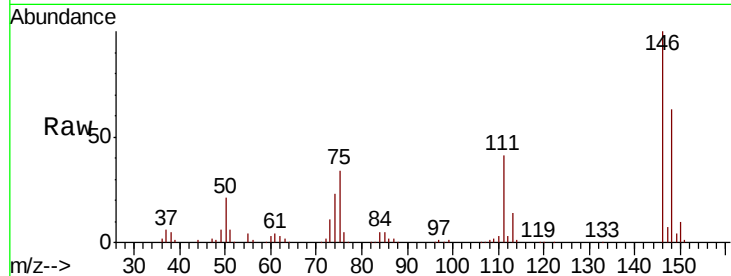
Tot Ion:146 Resp: 134201

Ion Ratio Lower Upper

146 100

111 41.2 28.8 53.6

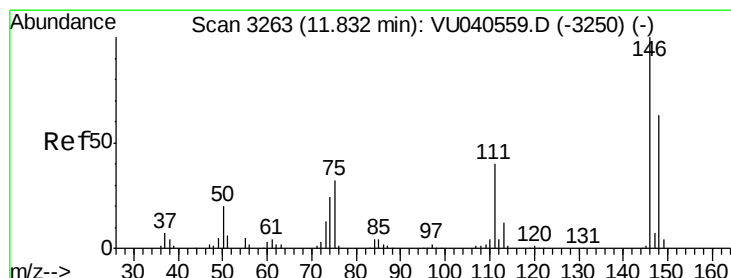
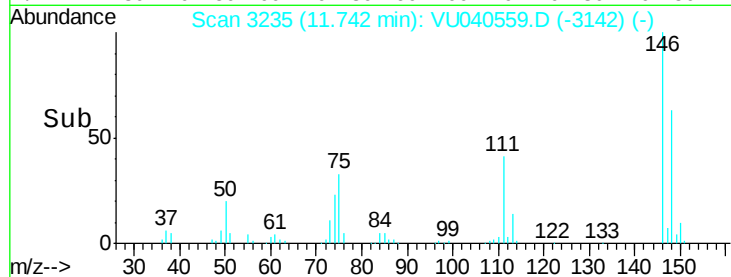
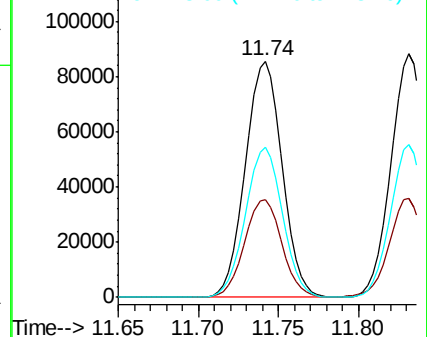
148 63.4 44.4 82.4



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



#63

1,4-Dichlorobenzene

Concen: 5.223 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU040559.D

Acq: 08 Oct 2020 13:46

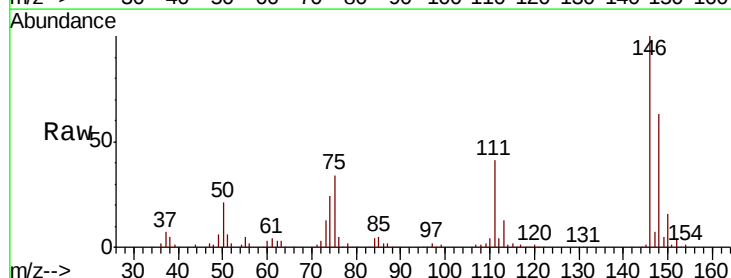
Tgt Ion:146 Resp: 136604

Ion Ratio Lower Upper

146 100

111 40.6 28.4 52.8

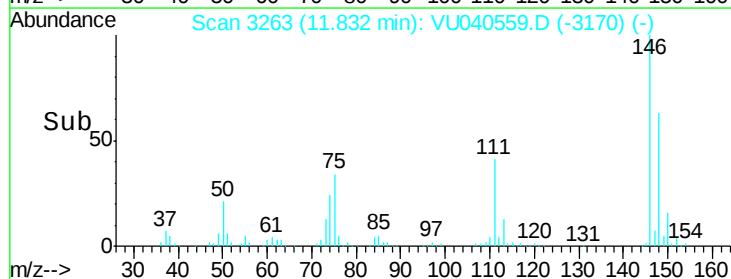
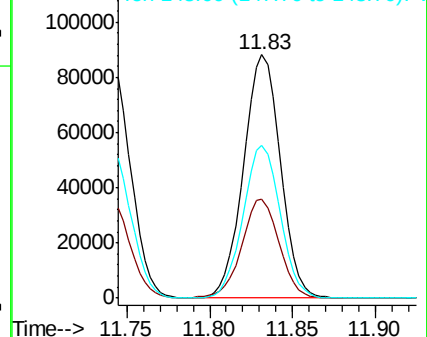
148 62.8 44.0 81.6

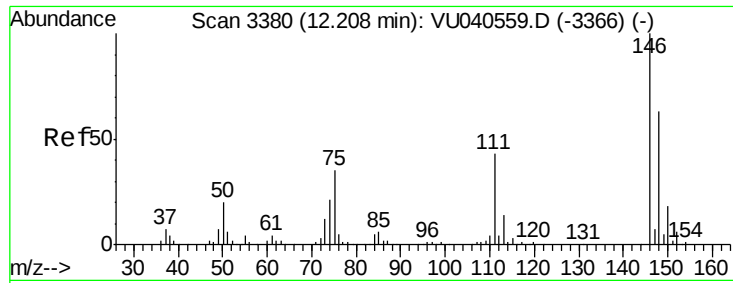


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.285 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040559.D

Acq: 08 Oct 2020 13:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD00501

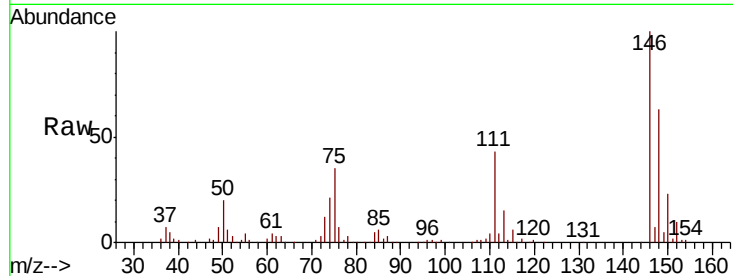
Tot Ion:146 Resp: 129131

Ion Ratio Lower Upper

146 100

111 43.0 34.4 51.6

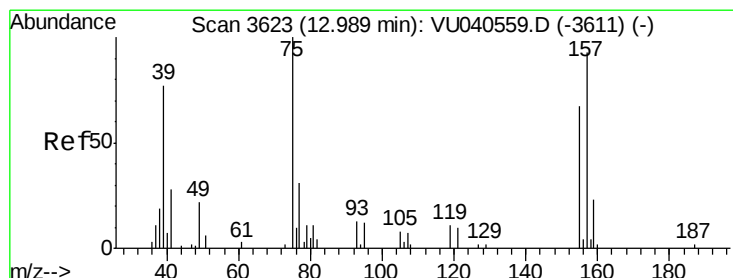
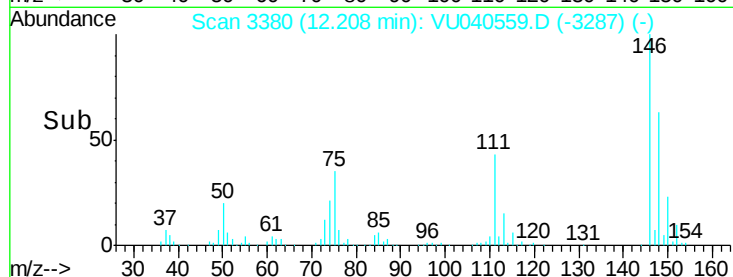
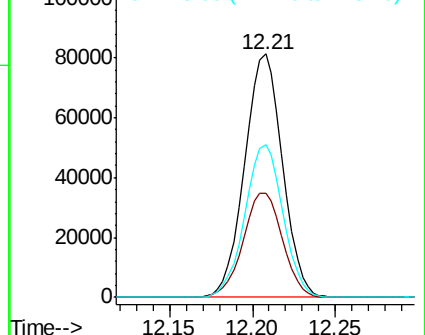
148 62.5 50.0 75.0



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



#66

1,2-Dibromo-3-chloropropane

Concen: 5.074 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU040559.D

Acq: 08 Oct 2020 13:46

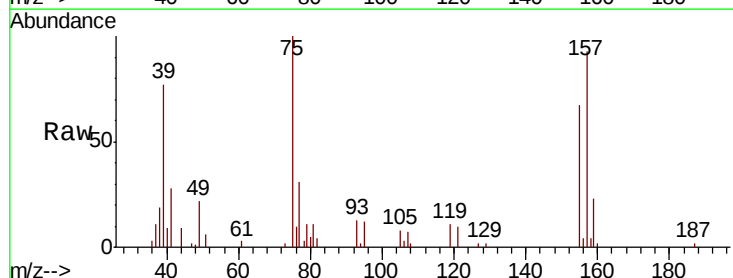
Tgt Ion: 75 Resp: 11236

Ion Ratio Lower Upper

75 100

155 67.2 53.8 80.6

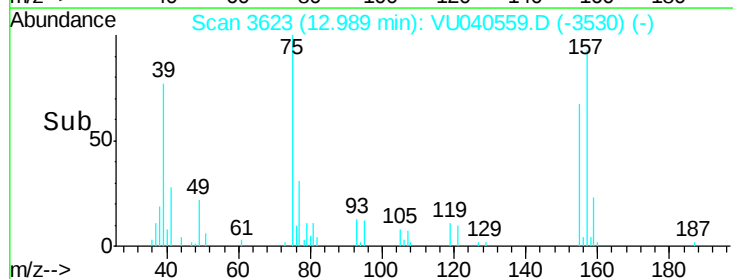
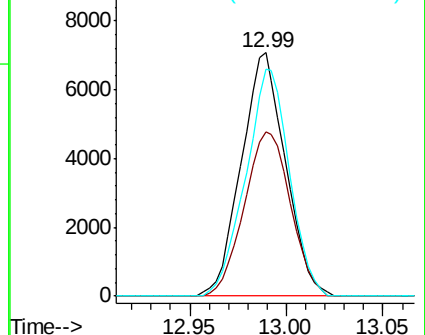
157 93.3 74.6 112.0

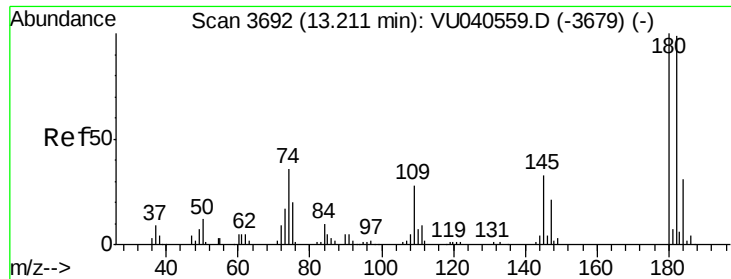


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

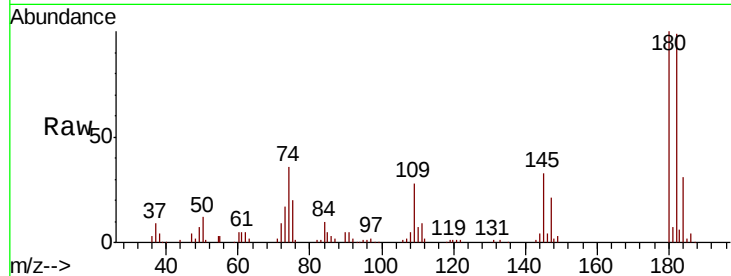




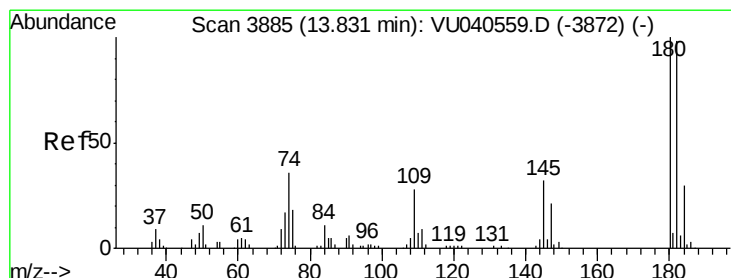
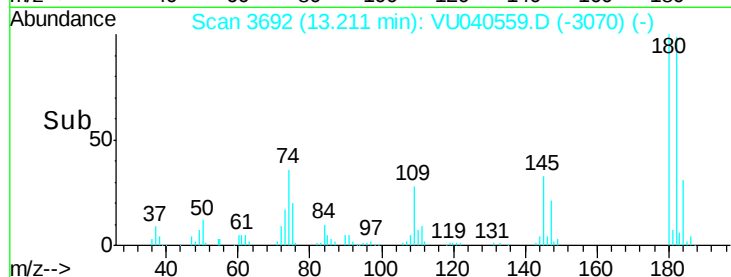
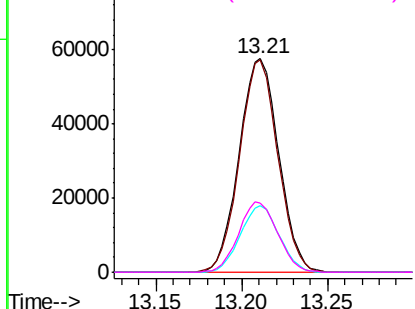
#67
 1,3,5-Trichlorobenzene
 Concen: 5.121 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040559.D
 Acq: 08 Oct 2020 13:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00501

Tot Ion:180 Resp: 91871
 Ion Ratio Lower Upper
 180 100
 182 96.2 77.0 115.4
 184 30.6 24.5 36.7
 145 32.4 25.9 38.9

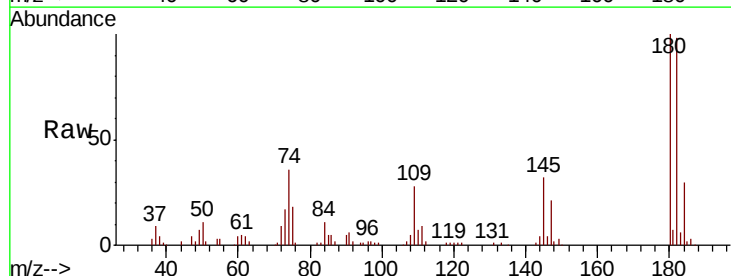


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

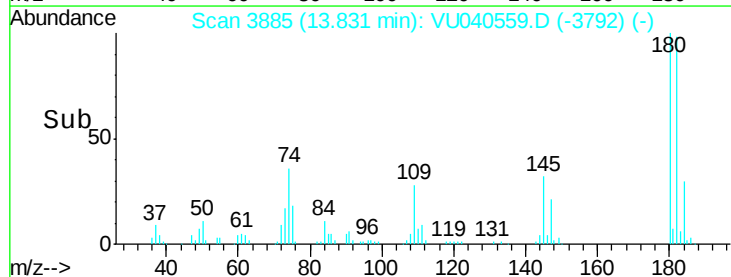
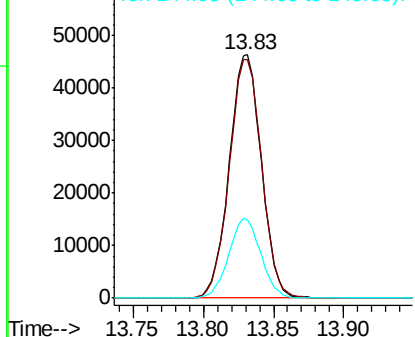


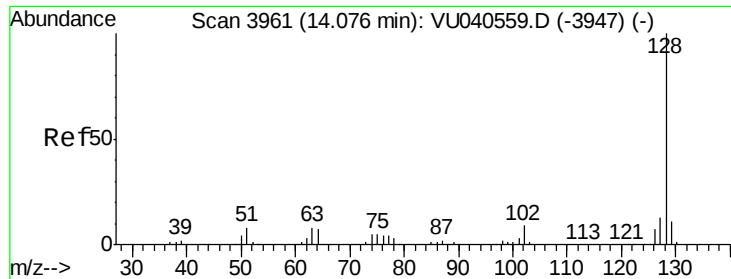
#68
 1,2,4-trichlorobenzene
 Concen: 5.153 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040559.D
 Acq: 08 Oct 2020 13:46

Tgt Ion:180 Resp: 73836
 Ion Ratio Lower Upper
 180 100
 182 98.5 78.8 118.2
 145 32.6 26.1 39.1



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

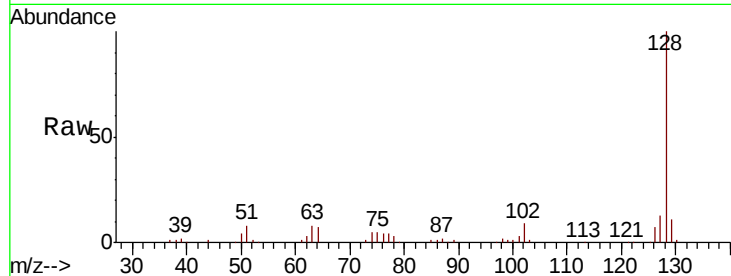




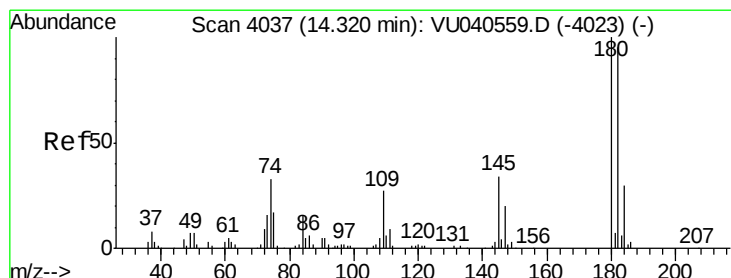
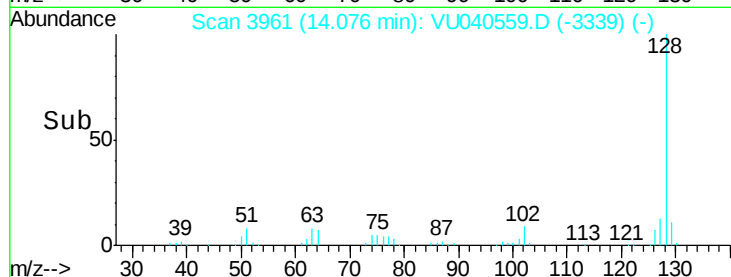
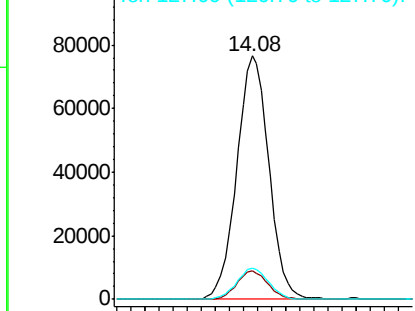
#69
Naphthalene
Concen: 5.034 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. 0.00 min
Lab File: VU040559.D
Acq: 08 Oct 2020 13:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD00501

Tot Ion:128 Resp: 122364
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.4
127 12.8 10.2 15.4

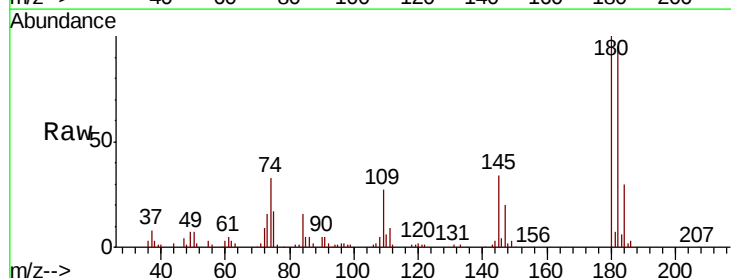


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70
1,2,3-Trichlorobenzene
Concen: 5.414 ug/L
RT: 14.32 min Scan# 4037
Delta R.T. 0.00 min
Lab File: VU040559.D
Acq: 08 Oct 2020 13:46

Tgt Ion:180 Resp: 71525
Ion Ratio Lower Upper
180 100
182 94.8 75.8 113.8
145 34.3 27.4 41.2



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

