

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061920\
 Data File : VU038987.D
 Acq On : 19 Jun 2020 16:26
 Operator : SY/MD
 Sample : VSTD00501
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00501

Quant Time: Jun 19 17:21:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 19 17:18:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	274440	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	276396	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	147629	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	120314	5.97	ug/L	0.00
7) Chloroethane-d5	1.93	69	88346	5.37	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	219732	5.48	ug/L	0.00
20) 2-Butanone-d5	4.67	46	358599	56.20	ug/L	0.00
24) Chloroform-d	5.10	84	210749	5.38	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	121872	5.36	ug/L	0.00
32) Benzene-d6	5.76	84	417449	5.57	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	129760	5.58	ug/L	0.00
41) Toluene-d8	7.92	98	429799	6.20	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	70120	6.33	ug/L	0.00
46) 2-Hexanone-d5	8.65	63	269610	50.03	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	115799	5.34	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	143640	5.09	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	136254	5.149 ug/L	100
3) Chloromethane	1.53	50	132205	5.065 ug/L	100
5) Vinyl chloride	1.62	62	136038	5.197 ug/L	100
6) Bromomethane	1.88	94	52148	3.786 ug/L	100
8) Chloroethane	1.95	64	79491	4.856 ug/L	100
9) Trichlorofluoromethane	2.16	101	180447	4.616 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	107931	5.200 ug/L	100
12) 1,1-Dichloroethene	2.61	96	99074	5.070 ug/L	100
13) Acetone	2.67	43	227568	52.720 ug/L	100
14) Carbon disulfide	2.82	76	338481	5.083 ug/L	100
15) Methyl Acetate	2.99	43	54723	5.115 ug/L	100
16) Methylene chloride	3.08	84	115068	5.050 ug/L	100
17) Methyl tert-butyl Ether	3.40	73	259937	5.031 ug/L	100
18) trans-1,2-Dichloroethene	3.39	96	105092	5.088 ug/L	100
19) 1,1-Dichloroethane	3.91	63	201422	5.310 ug/L	100
21) 2-Butanone	4.75	43	374985	55.119 ug/L	100
22) cis-1,2-Dichloroethene	4.71	96	109997	5.186 ug/L	100
23) Bromochloromethane	5.01	128	49850	4.984 ug/L	100
25) Chloroform	5.13	83	201427	5.252 ug/L	100
27) 1,2-Dichloroethane	5.83	62	143012	5.130 ug/L	100
29) 1,1,1-Trichloroethane	5.35	97	175916	5.081 ug/L	100
30) Cyclohexane	5.42	56	174497	5.234 ug/L	100
31) Carbon tetrachloride	5.56	117	147099	4.840 ug/L	100
33) Benzene	5.81	78	454989	5.379 ug/L	100
34) Trichloroethene	6.57	95	108884	5.131 ug/L	100
35) Methylcyclohexane	6.79	83	176730	5.210 ug/L	100
37) 1,2-Dichloropropane	6.82	63	119276	5.380 ug/L	100
38) Bromodichloromethane	7.13	83	173610	5.877 ug/L	100
39) cis-1,3-Dichloropropene	7.63	75	196176	5.882 ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	1113606	68.095 ug/L	100

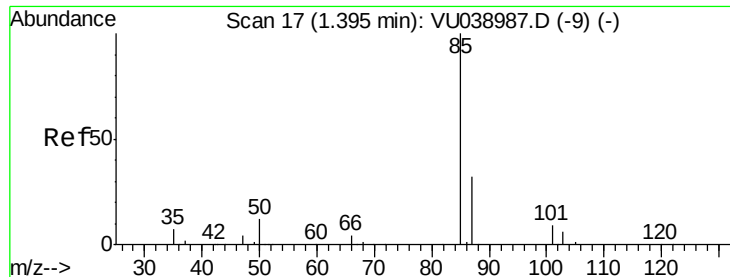
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061920\
 Data File : VU038987.D
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Quant Time: Jun 19 17:21:35 2020
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 Quant Title : TRACE VOA SOM01.0
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	540998	6.002	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	188710	6.091	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	101470	5.996	ug/L	100
47) Tetrachloroethene	8.57	164	80864	4.931	ug/L	100
48) 2-Hexanone	8.71	43	669038	57.233	ug/L	100
49) Dibromochloromethane	8.83	129	95583	4.959	ug/L	100
50) 1,2-Dibromoethane	8.94	107	83689	5.128	ug/L	100
51) Chlorobenzene	9.47	112	285105	5.064	ug/L	100
52) Ethylbenzene	9.59	91	482573	5.151	ug/L	100
53) m,p-Xylene	9.71	106	190013	5.253	ug/L	100
54) o-Xylene	10.11	106	182055	5.254	ug/L	100
55) Styrene	10.13	104	318146	5.327	ug/L	100
56) Isopropylbenzene	10.50	105	479634	5.200	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	114163	5.069	ug/L	100
59) 1,2,3-Trichloropropane	10.83	75	83589	5.051	ug/L	100
61) Bromoform	10.31	173	55003	4.630	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	235956	5.070	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	234833	4.926	ug/L	100
65) 1,2-Dichlorobenzene	12.22	146	223897	4.890	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.01	75	19278	4.325	ug/L	100
67) 1,3,5-Trichlorobenzene	13.24	180	175367	4.712	ug/L	100
68) 1,2,4-trichlorobenzene	13.87	180	150473	4.479	ug/L	100
69) Naphthalene	14.11	128	275593	4.286	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	161770	5.082	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 5.149 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038987.D

Acq: 19 Jun 2020 16:26

Instrument :

MSVOA_U

ClientSampleId :

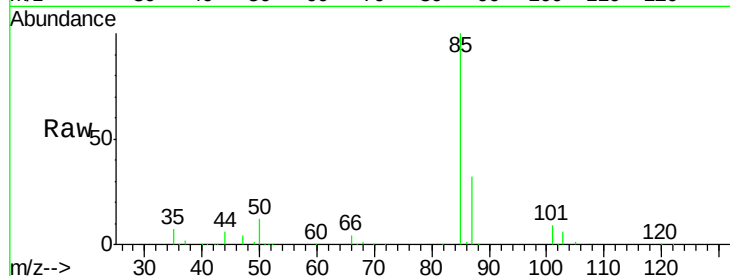
VSTD00501

Tgt Ion: 85 Resp: 136254

Ion Ratio Lower Upper

85 100

87 32.8 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU038987.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038987.D (-9) (-)

1.39

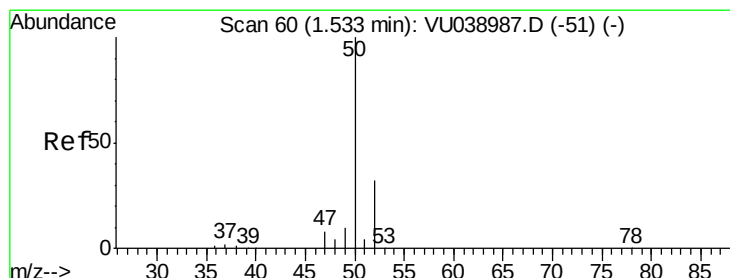
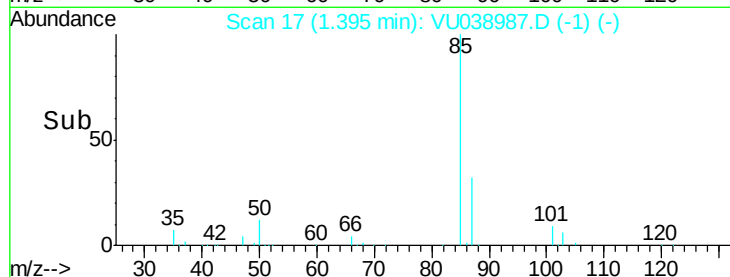
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 5.065 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038987.D

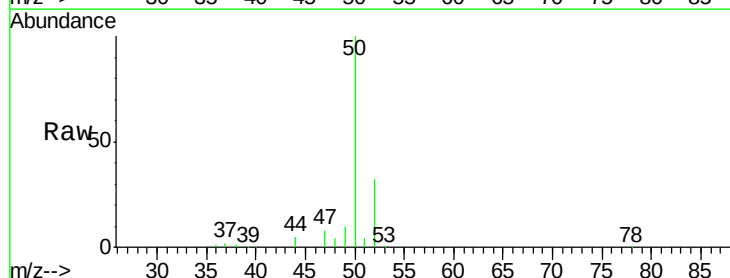
Acq: 19 Jun 2020 16:26

Tgt Ion: 50 Resp: 132205

Ion Ratio Lower Upper

50 100

52 31.9 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VU038987.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU038987.D (-51) (-)

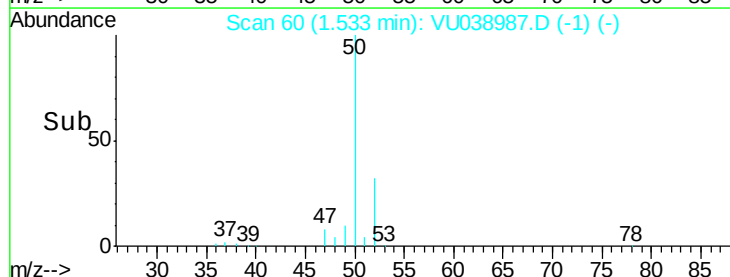
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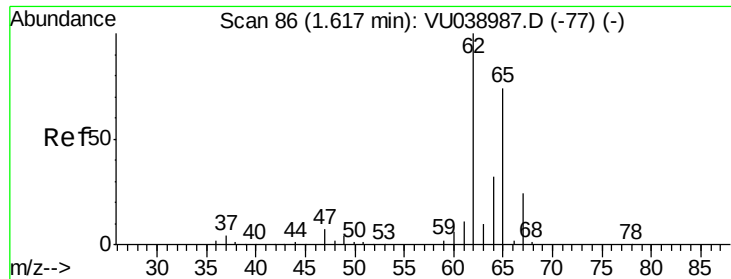
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50000

0

Time-->





#5

Vinyl chloride

Concen: 5.197 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038987.D

Acq: 19 Jun 2020 16:26

Instrument :

MSVOA_U

ClientSampleId :

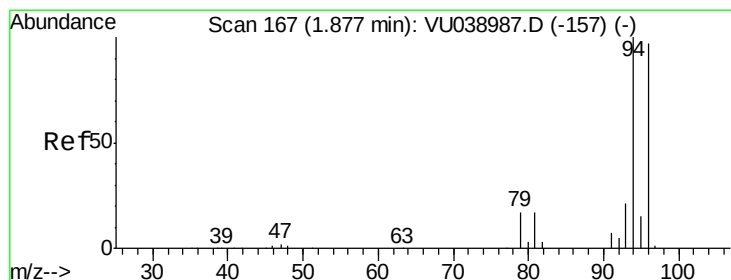
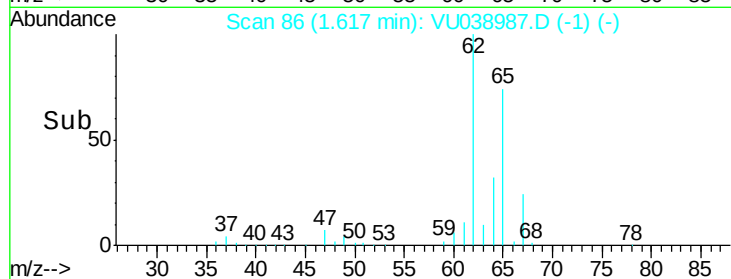
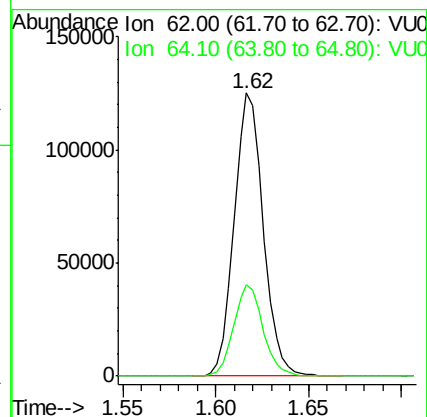
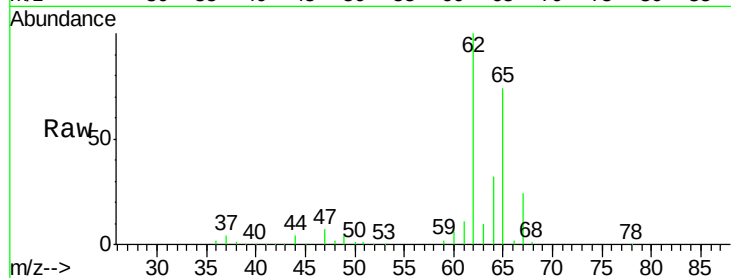
VSTD00501

Tgt Ion: 62 Resp: 136038

Ion Ratio Lower Upper

62 100

64 32.3 22.6 42.0



#6

Bromomethane

Concen: 3.786 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU038987.D

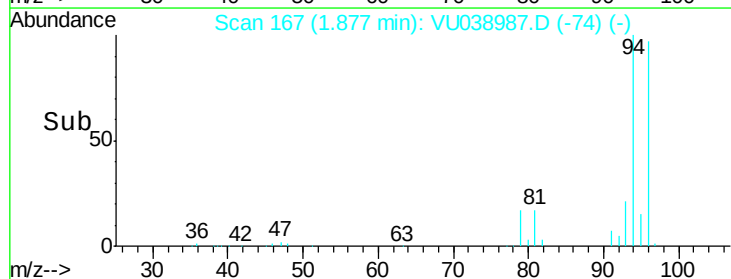
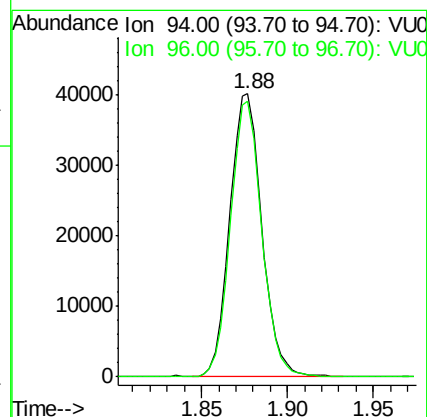
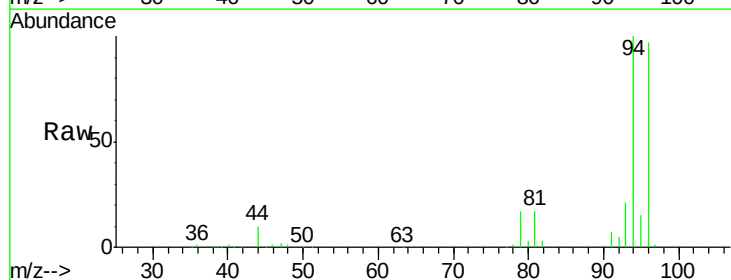
Acq: 19 Jun 2020 16:26

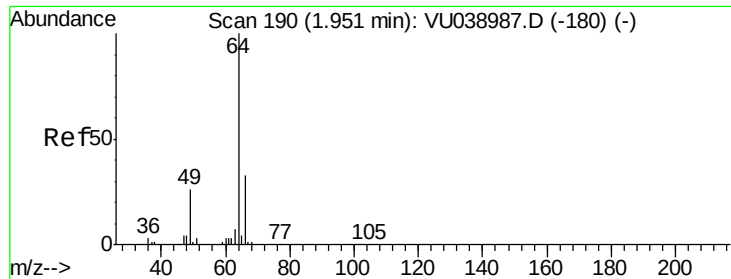
Tgt Ion: 94 Resp: 52148

Ion Ratio Lower Upper

94 100

96 97.2 68.0 126.4





#8

Chloroethane

Concen: 4.856 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU038987.D

Acq: 19 Jun 2020 16:26

Instrument :

MSVOA_U

ClientSampleId :

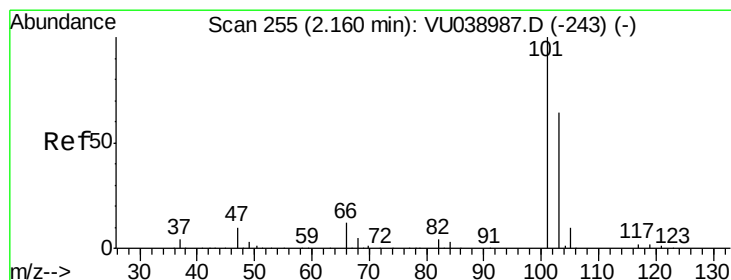
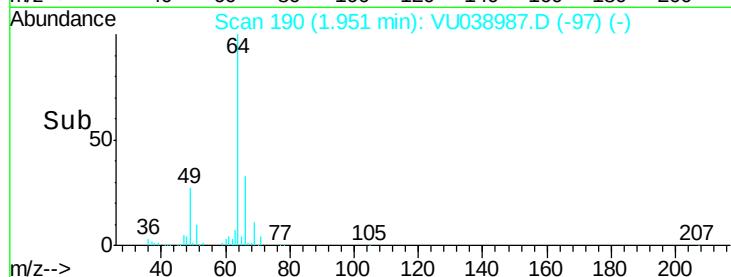
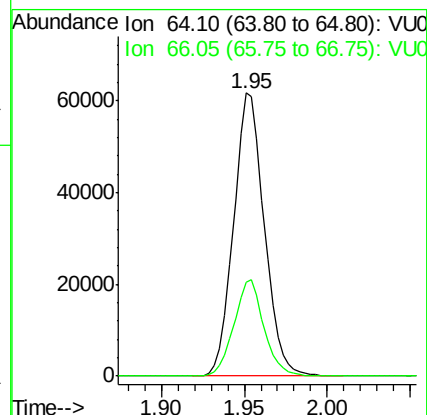
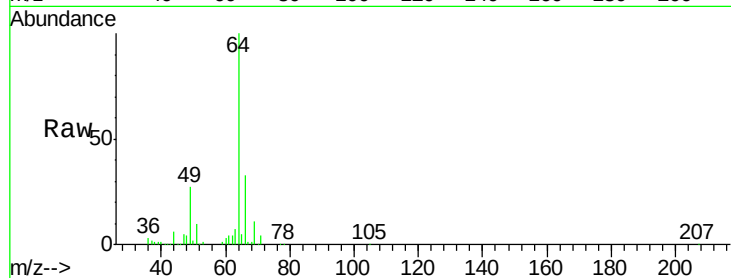
VSTD00501

Tgt Ion: 64 Resp: 79491

Ion Ratio Lower Upper

64 100

66 33.2 23.2 43.2



#9

Trichlorofluoromethane

Concen: 4.616 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU038987.D

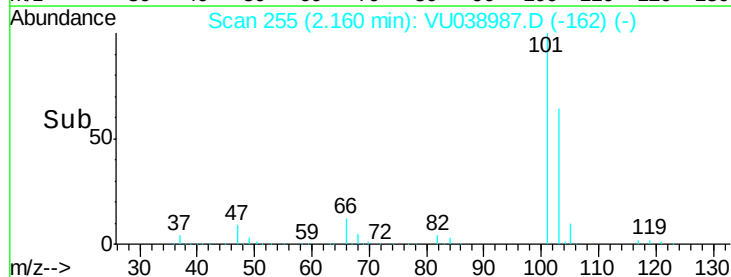
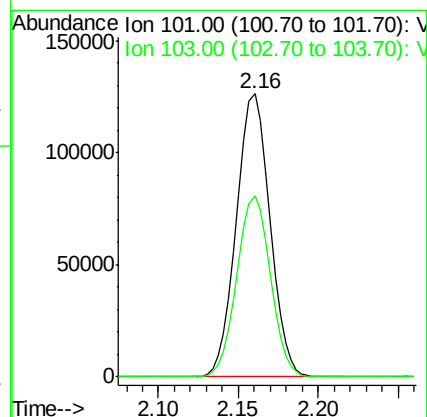
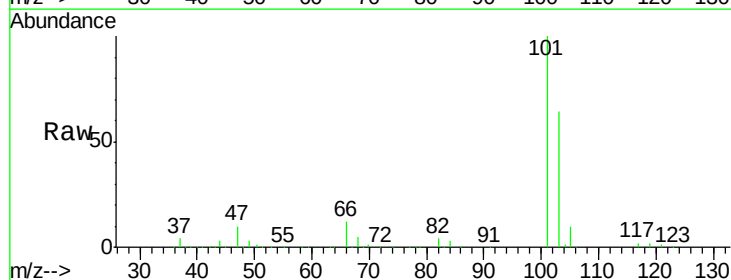
Acq: 19 Jun 2020 16:26

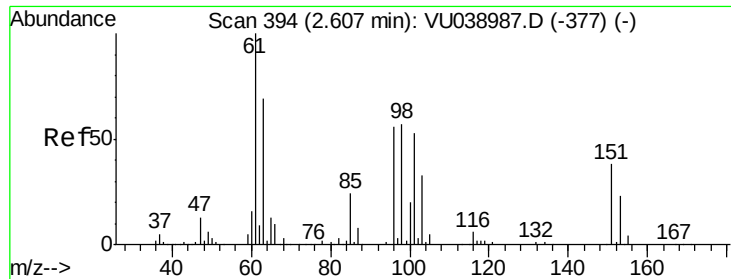
Tgt Ion: 101 Resp: 180447

Ion Ratio Lower Upper

101 100

103 63.9 51.1 76.7





#10

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

Concen: 5.200 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038987.D

Acq: 19 Jun 2020 16:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00501

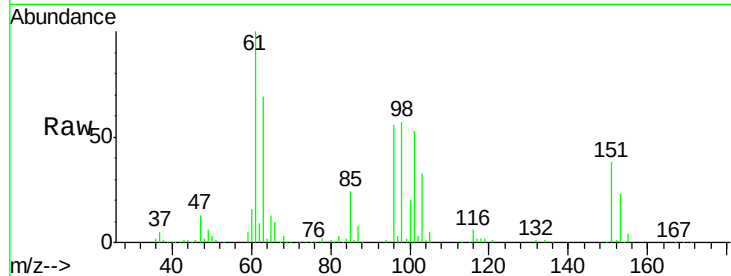
Tgt Ion: 101 Resp: 107931

Ion Ratio Lower Upper

101 100

85 45.1 36.1 54.1

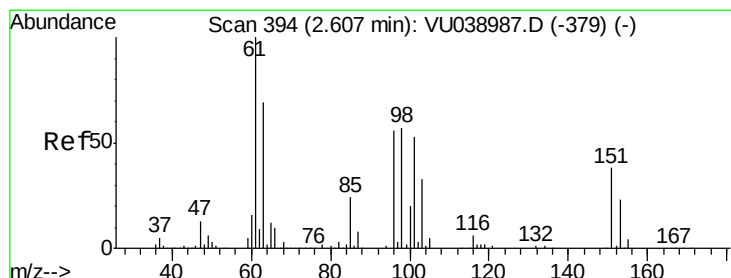
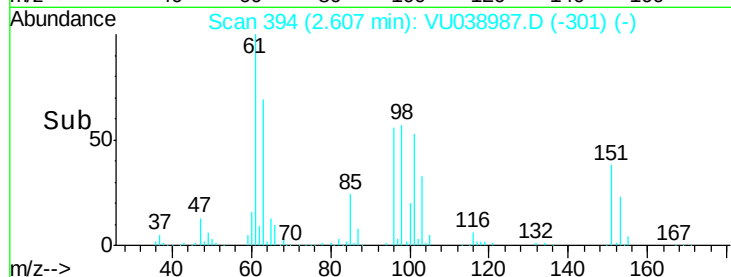
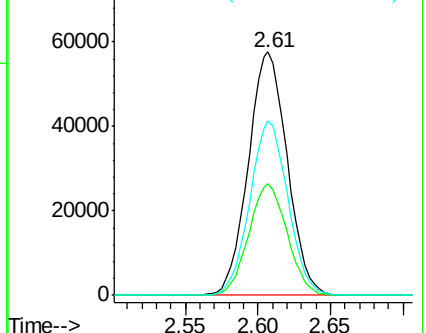
151 70.3 56.2 84.4



Abundance Ion 101.00 (100.70 to 101.70): VU038987.D (-377) (-)

Ion 85.00 (84.70 to 85.70): VU038987.D (-377) (-)

Ion 151.00 (150.70 to 151.70): VU038987.D (-377) (-)



#12

1,1-Dichloroethene

Concen: 5.070 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038987.D

Acq: 19 Jun 2020 16:26

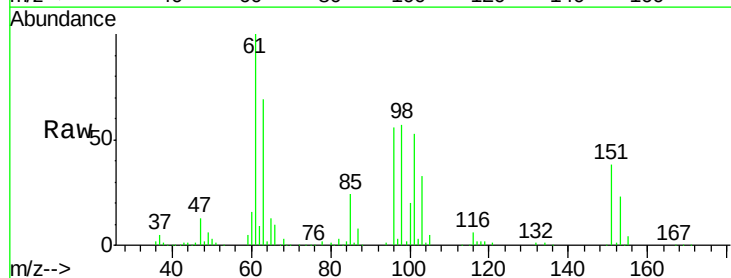
Tgt Ion: 96 Resp: 99074

Ion Ratio Lower Upper

96 100

61 180.0 126.0 234.0

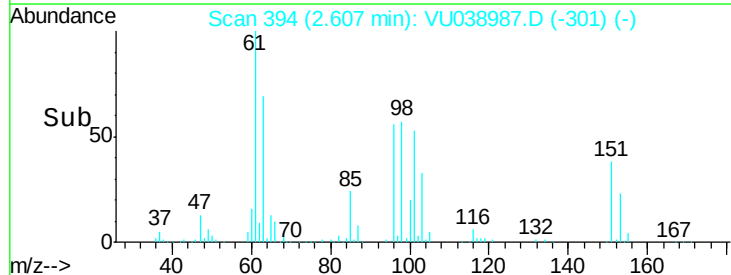
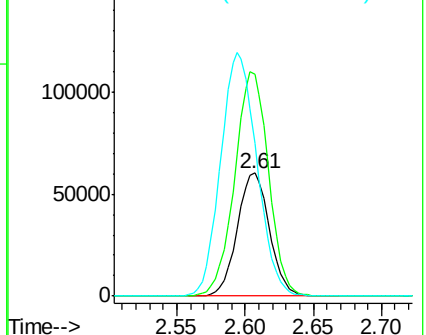
63 124.6 87.2 162.0

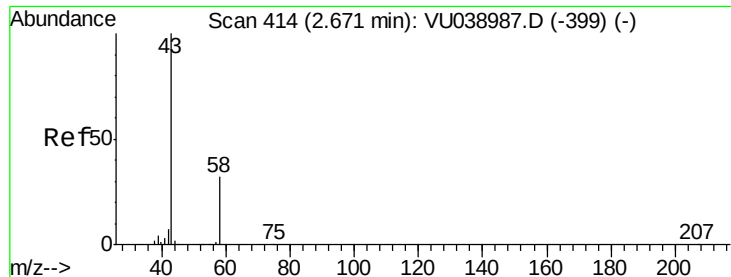


Abundance Ion 96.00 (95.70 to 96.70): VU038987.D (-379) (-)

Ion 61.05 (60.75 to 61.75): VU038987.D (-379) (-)

Ion 63.00 (62.70 to 63.70): VU038987.D (-379) (-)





#13

Acetone

Concen: 52.720 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU038987.D

Acq: 19 Jun 2020 16:26

Instrument :

MSVOA_U

ClientSampleId :

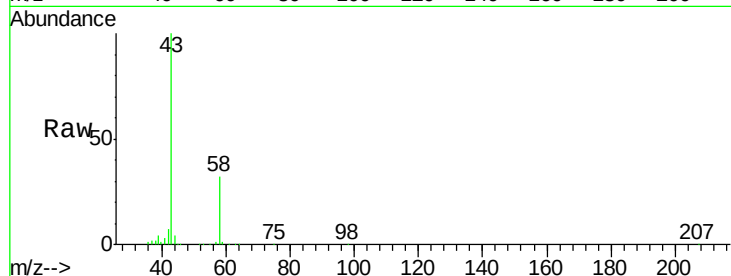
VSTD00501

Tgt Ion: 43 Resp: 227568

Ion Ratio Lower Upper

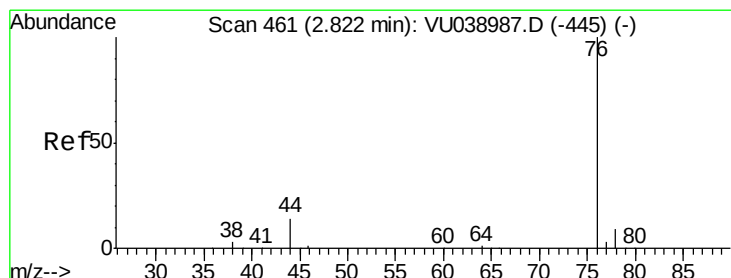
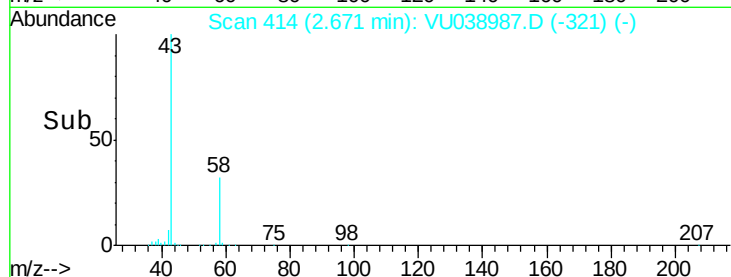
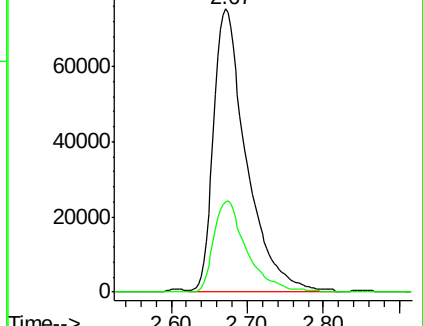
43 100

58 32.2 0.0 64.4



Abundance Ion 43.05 (42.75 to 43.75): VU038987.D (-399) (-)

Ion 58.05 (57.75 to 58.75): VU038987.D (-399) (-)



#14

Carbon disulfide

Concen: 5.083 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU038987.D

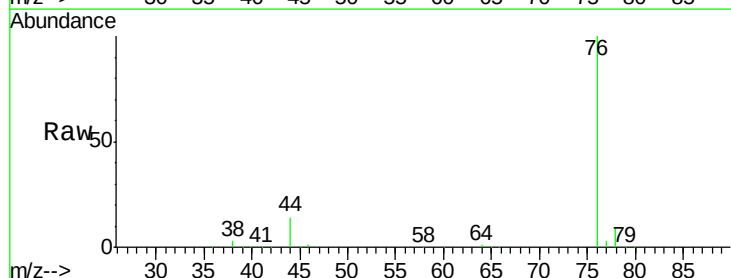
Acq: 19 Jun 2020 16:26

Tgt Ion: 76 Resp: 338481

Ion Ratio Lower Upper

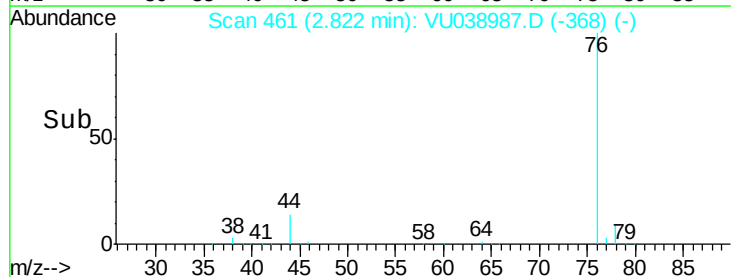
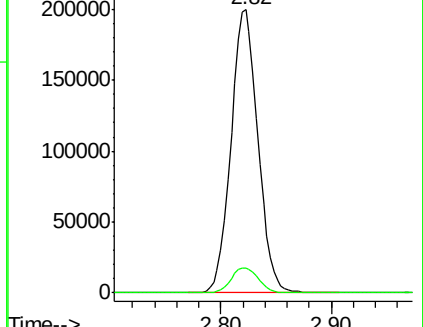
76 100

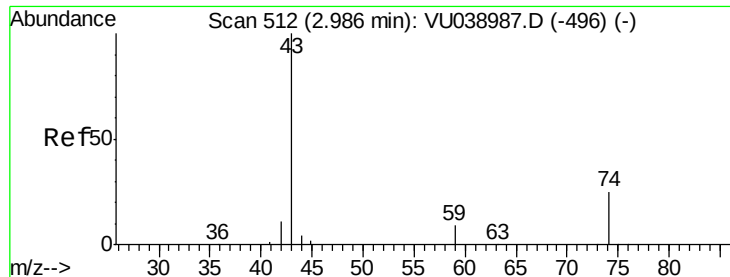
78 9.0 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU038987.D (-445) (-)

Ion 78.00 (77.70 to 78.70): VU038987.D (-445) (-)

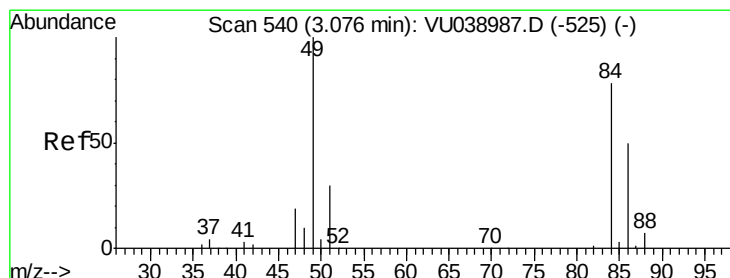
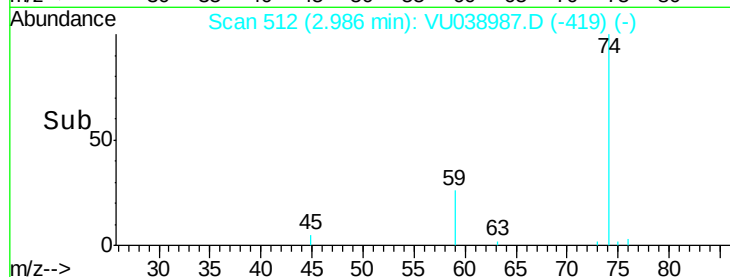
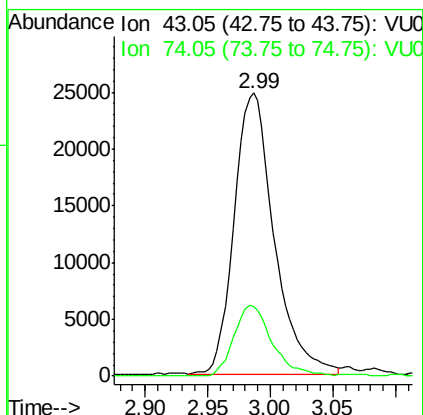
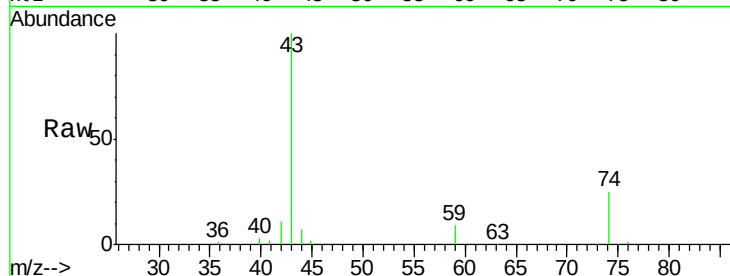




#15
Methyl Acetate
Concen: 5.115 ug/L
RT: 2.99 min Scan# 512
Delta R.T. 0.00 min
Lab File: VU038987.D
Acq: 19 Jun 2020 16:26

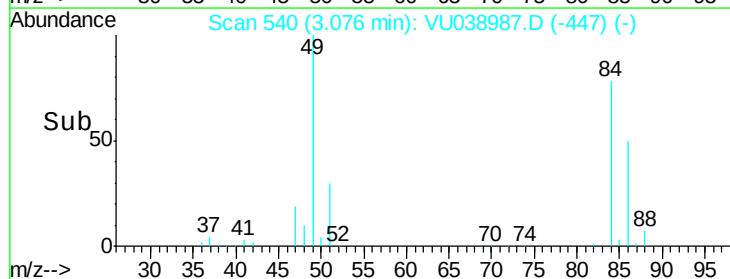
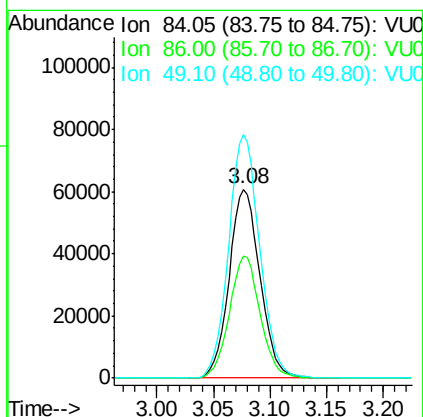
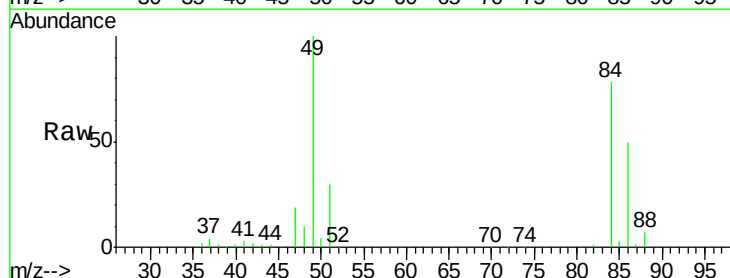
Instrument :
MSVOA_U
ClientSampleId :
VSTD00501

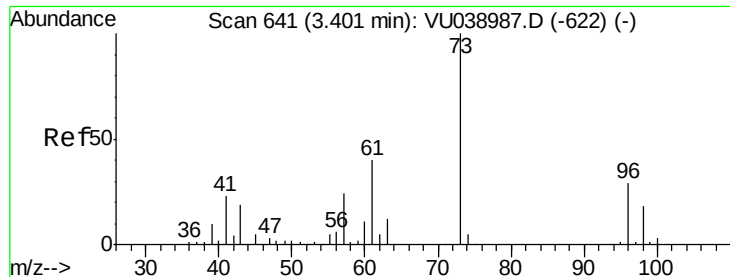
Tgt Ion: 43 Resp: 54723
Ion Ratio Lower Upper
43 100
74 24.1 19.3 28.9



#16
Methylene chloride
Concen: 5.050 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU038987.D
Acq: 19 Jun 2020 16:26

Tgt Ion: 84 Resp: 115068
Ion Ratio Lower Upper
84 100
86 64.4 45.1 83.7
49 129.0 90.3 167.7

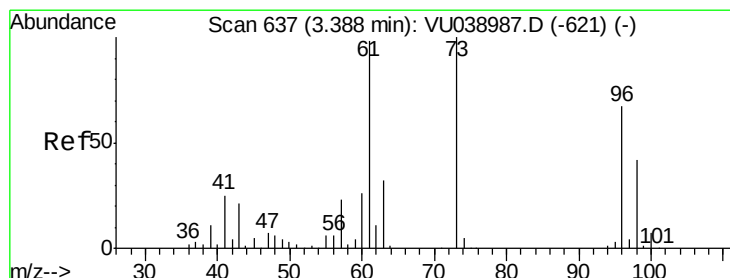
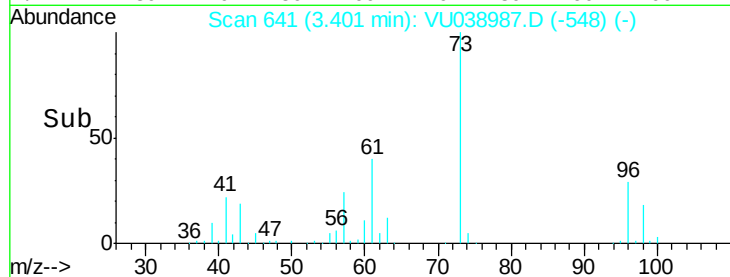
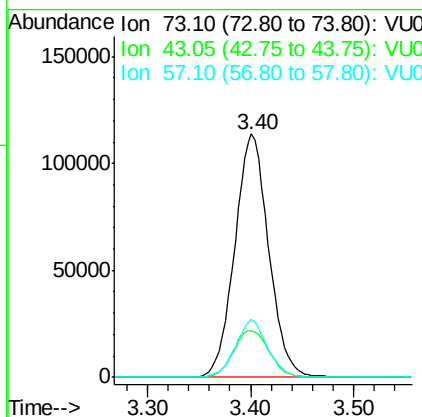
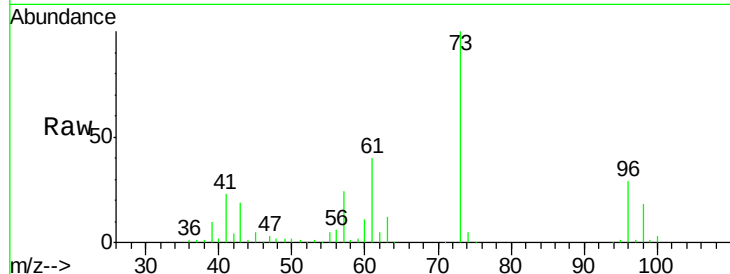




#17
Methyl tert-butyl Ether
Concen: 5.031 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU038987.D
Acq: 19 Jun 2020 16:26

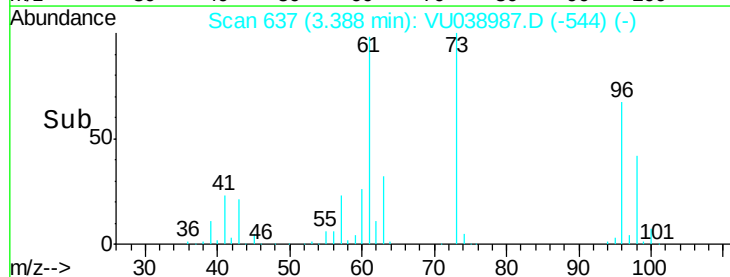
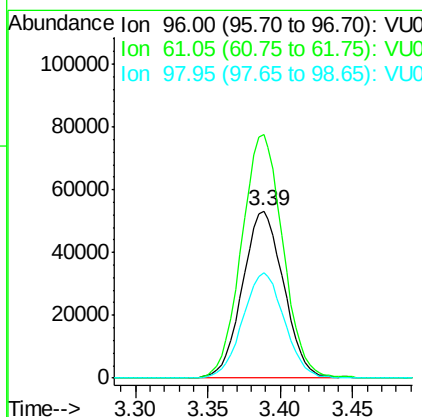
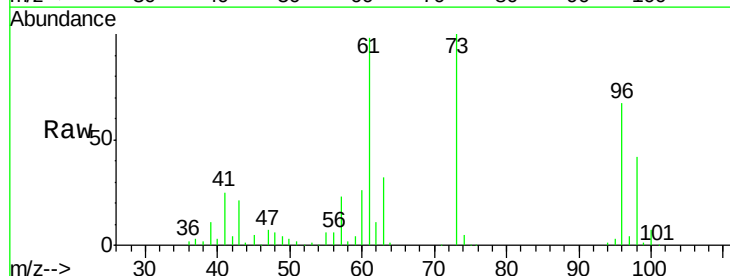
Instrument :
MSVOA_U
ClientSampleId :
VSTD00501

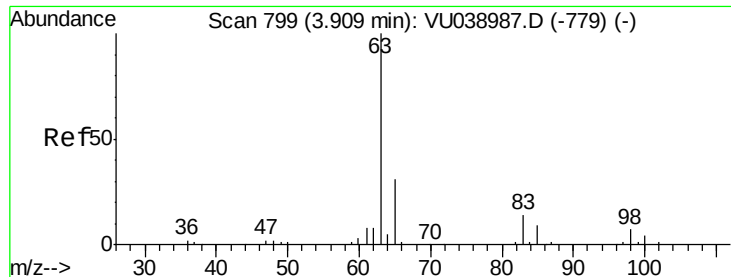
Tgt Ion: 73 Resp: 259937
Ion Ratio Lower Upper
73 100
43 20.4 16.3 24.5
57 22.6 18.1 27.1



#18
trans-1,2-Dichloroethene
Concen: 5.088 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU038987.D
Acq: 19 Jun 2020 16:26

Tgt Ion: 96 Resp: 105092
Ion Ratio Lower Upper
96 100
61 145.5 101.8 189.2
98 62.8 44.0 81.6

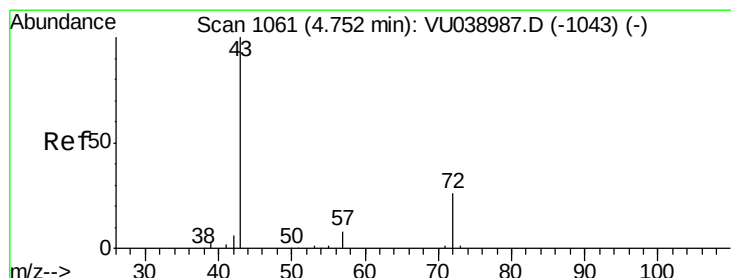
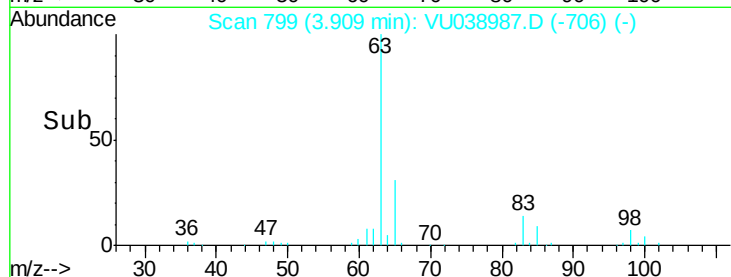
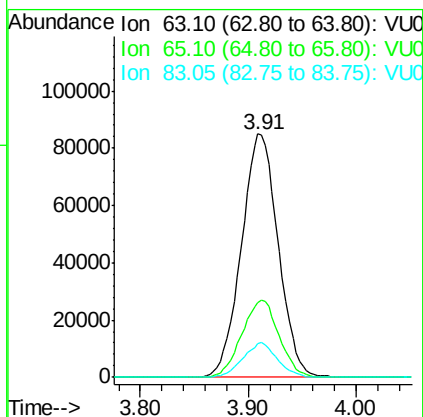
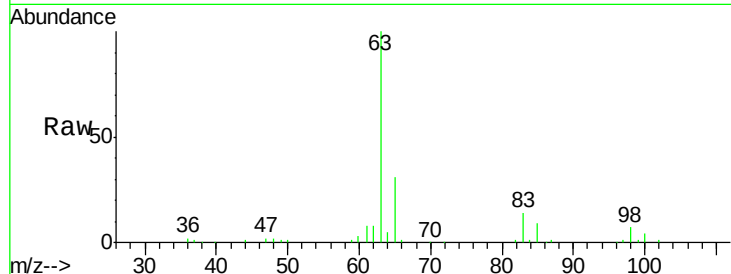




#19
 1,1-Dichloroethane
 Concen: 5.310 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: VU038987.D
 Acq: 19 Jun 2020 16:26

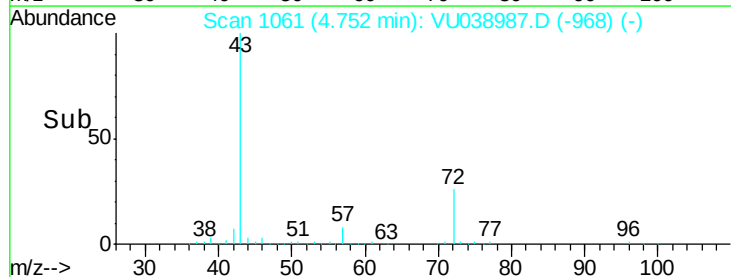
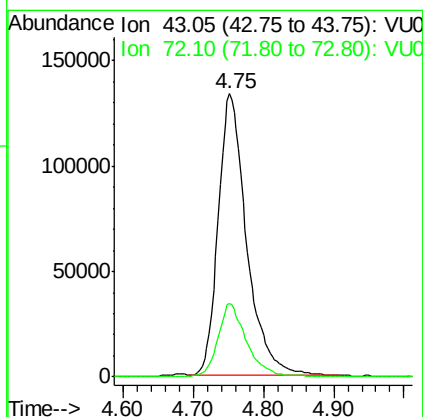
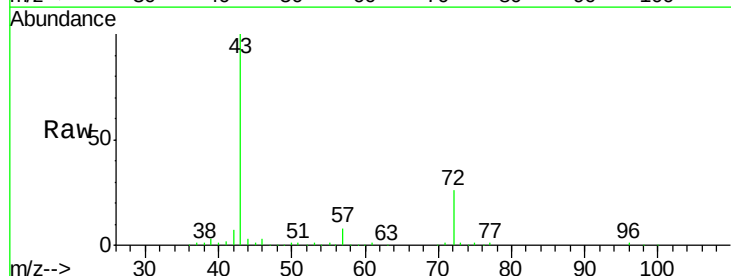
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00501

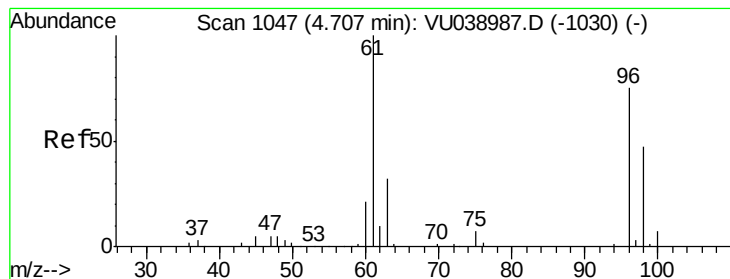
Tgt Ion: 63 Resp: 201422
 Ion Ratio Lower Upper
 63 100
 65 30.7 21.5 39.9
 83 13.7 9.6 17.8



#21
 2-Butanone
 Concen: 55.119 ug/L
 RT: 4.75 min Scan# 1061
 Delta R.T. 0.00 min
 Lab File: VU038987.D
 Acq: 19 Jun 2020 16:26

Tgt Ion: 43 Resp: 374985
 Ion Ratio Lower Upper
 43 100
 72 25.9 13.0 38.9





#22

cis-1,2-Dichloroethene

Concen: 5.186 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038987.D

Acq: 19 Jun 2020 16:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00501

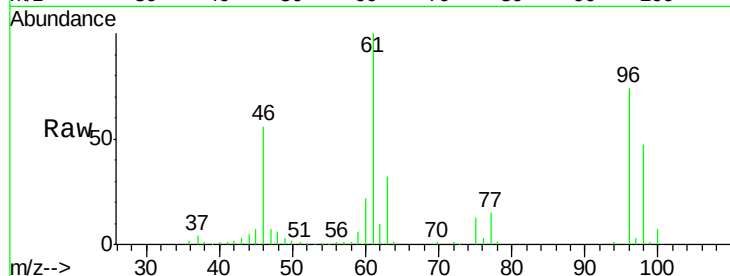
Tgt Ion: 96 Resp: 109997

Ion Ratio Lower Upper

96 100

61 134.3 94.0 174.6

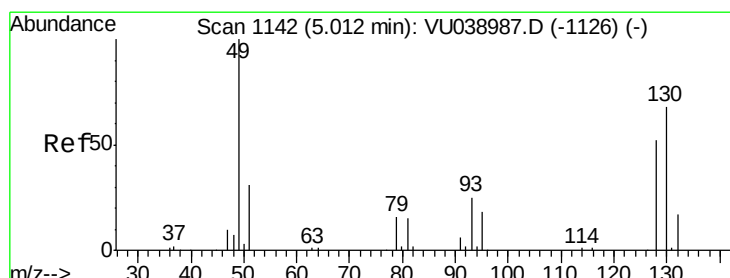
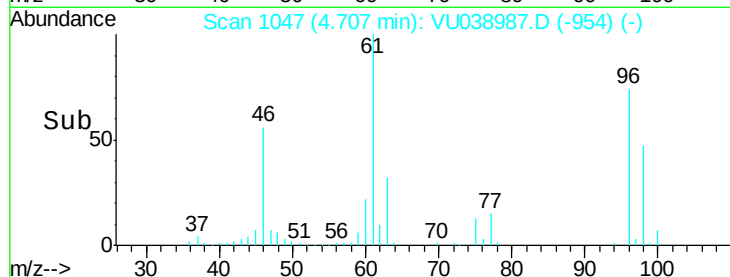
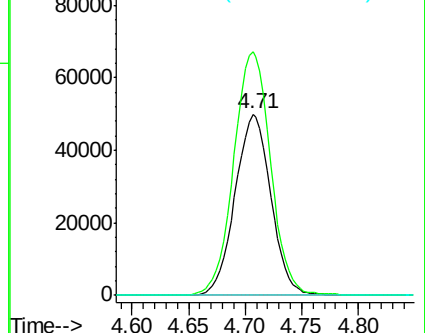
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038987.D (-1030) (-)

Ion 61.05 (60.75 to 61.75): VU038987.D (-1030) (-)

Ion 68.15 (67.85 to 68.85): VU038987.D (-1030) (-)



#23

Bromochloromethane

Concen: 4.984 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU038987.D

Acq: 19 Jun 2020 16:26

Tgt Ion: 128 Resp: 49850

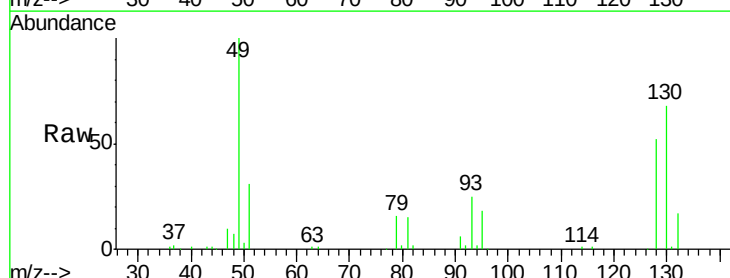
Ion Ratio Lower Upper

128 100

49 192.2 134.5 249.9

130 130.9 91.6 170.2

51 59.2 47.4 71.0

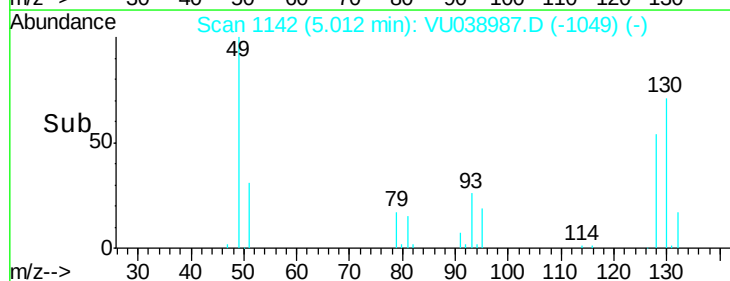
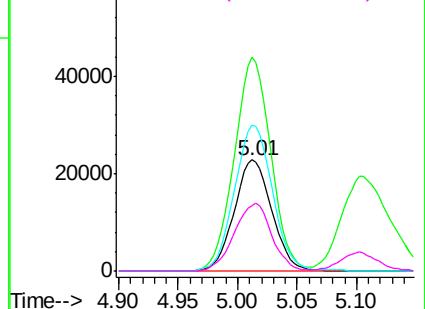


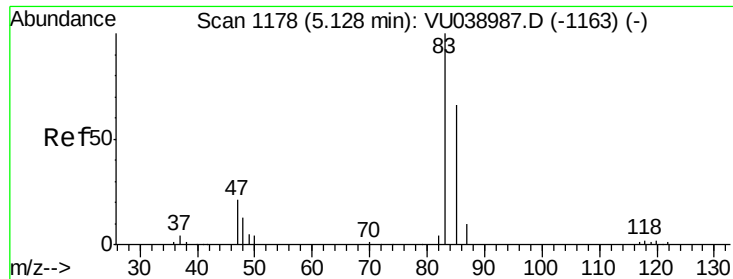
Abundance Ion 127.90 (127.60 to 128.60): VU038987.D (-1126) (-)

Ion 49.10 (48.80 to 49.80): VU038987.D (-1126) (-)

Ion 129.95 (129.65 to 130.65): VU038987.D (-1126) (-)

Ion 51.05 (50.75 to 51.75): VU038987.D (-1126) (-)

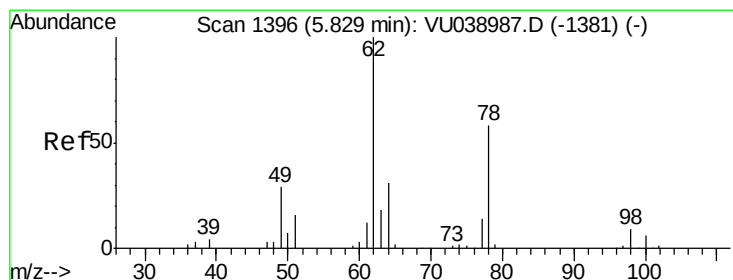
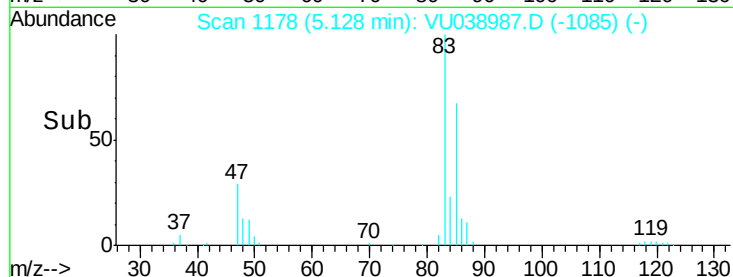
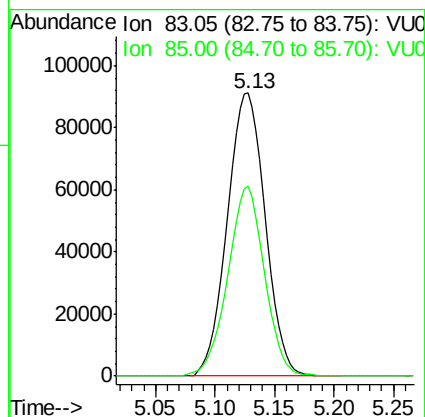
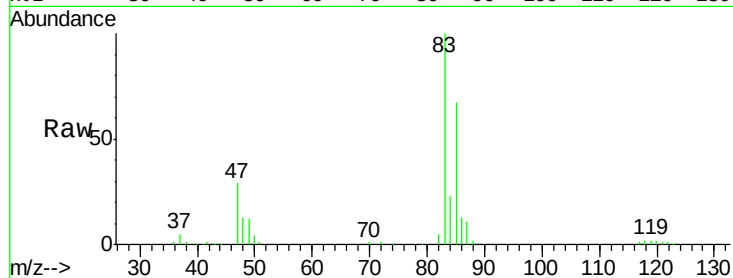




#25
Chloroform
Concen: 5.252 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038987.D
Acq: 19 Jun 2020 16:26

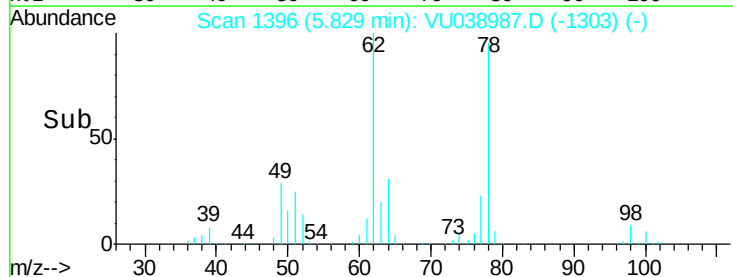
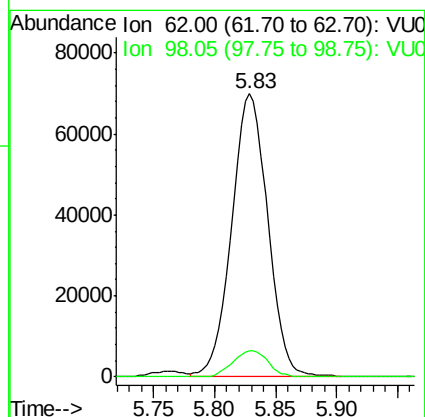
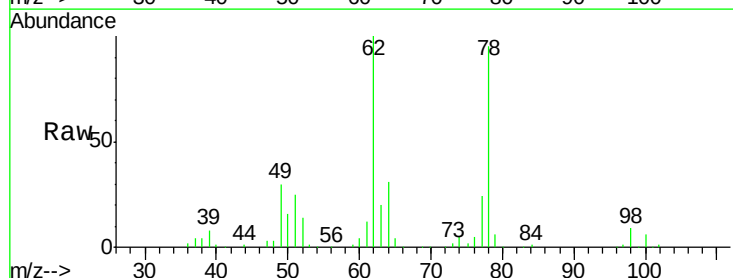
Instrument :
MSVOA_U
ClientSampleId :
VSTD00501

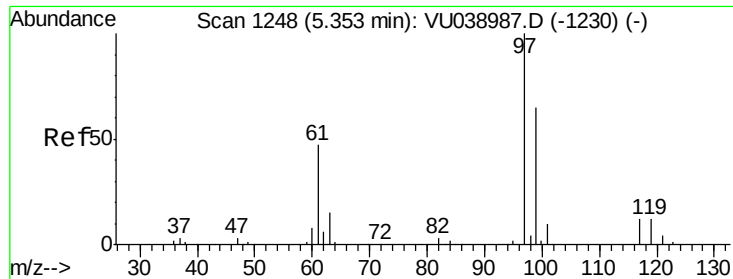
Tgt Ion: 83 Resp: 201427
Ion Ratio Lower Upper
83 100
85 67.1 47.0 87.2



#27
1,2-Dichloroethane
Concen: 5.130 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU038987.D
Acq: 19 Jun 2020 16:26

Tgt Ion: 62 Resp: 143012
Ion Ratio Lower Upper
62 100
98 9.0 7.2 10.8

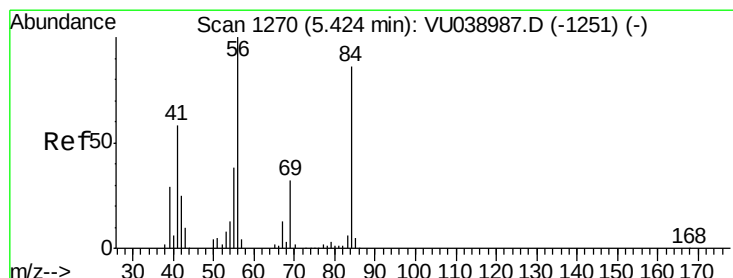
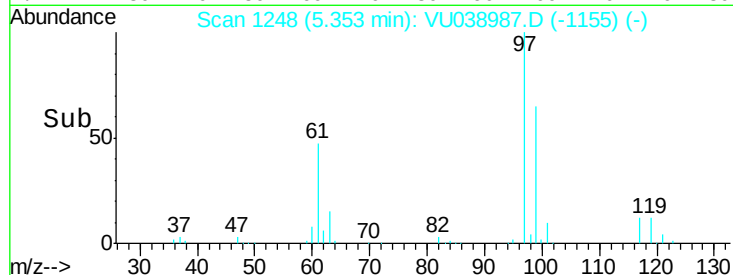
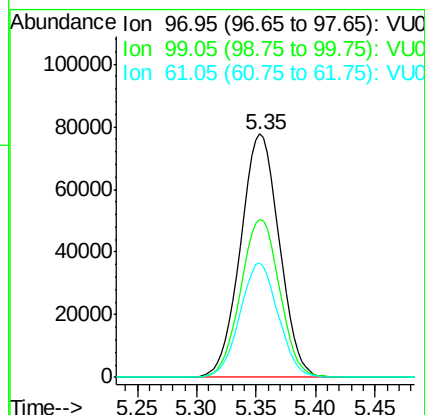
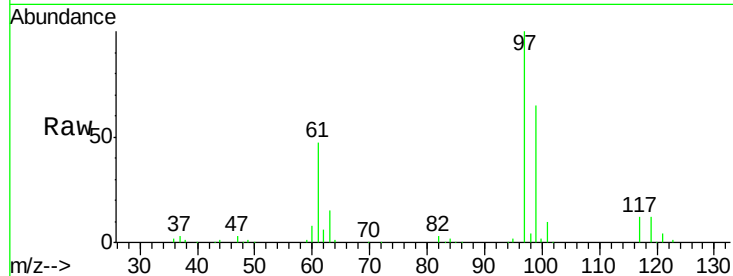




#29
 1,1,1-Trichloroethane
 Concen: 5.081 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU038987.D
 Acq: 19 Jun 2020 16:26

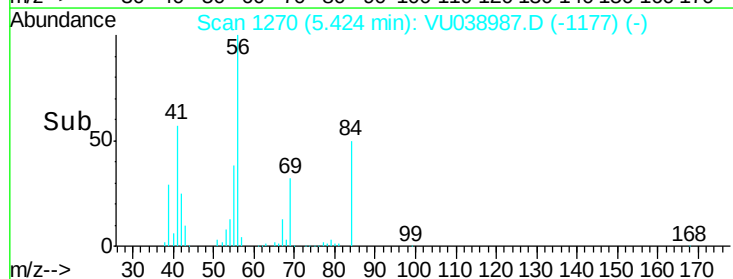
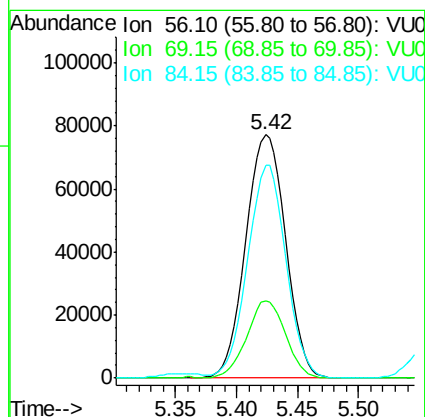
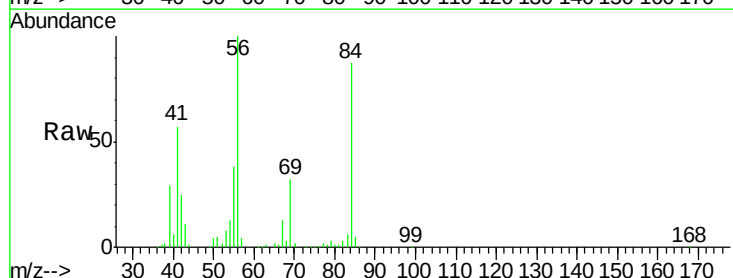
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00501

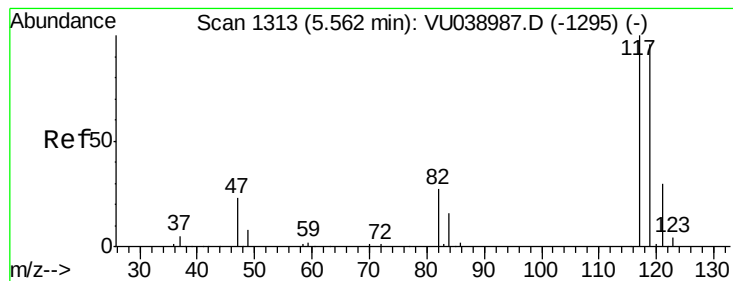
Tgt Ion: 97 Resp: 175916
 Ion Ratio Lower Upper
 97 100
 99 65.3 52.2 78.4
 61 46.1 36.9 55.3



#30
 Cyclohexane
 Concen: 5.234 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU038987.D
 Acq: 19 Jun 2020 16:26

Tgt Ion: 56 Resp: 174497
 Ion Ratio Lower Upper
 56 100
 69 30.8 24.6 37.0
 84 83.5 66.8 100.2





#31

Carbon tetrachloride

Concen: 4.840 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU038987.D

Acq: 19 Jun 2020 16:26

Instrument :

MSVOA_U

ClientSampleId :

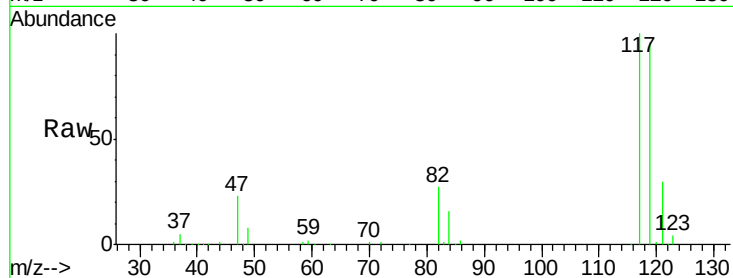
VSTD00501

Tgt Ion:117 Resp: 147099

Ion Ratio Lower Upper

117 100

119 95.7 76.6 114.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.56

80000

60000

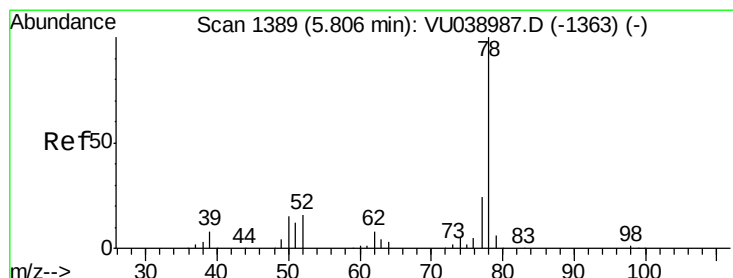
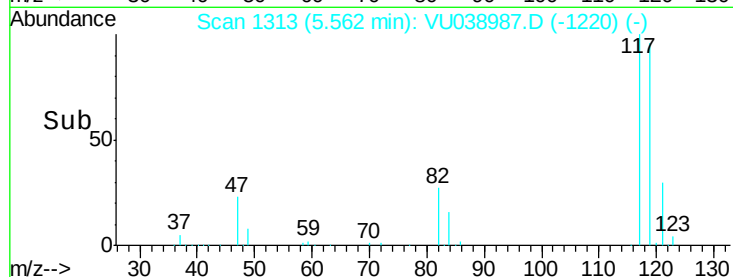
40000

20000

0

Time-->

5.45 5.50 5.55 5.60 5.65



#33

Benzene

Concen: 5.379 ug/L

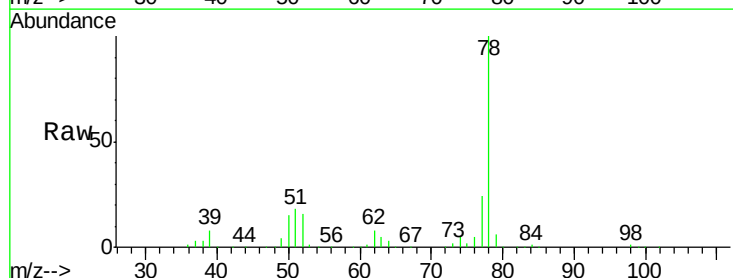
RT: 5.81 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VU038987.D

Acq: 19 Jun 2020 16:26

Tgt Ion: 78 Resp: 454989



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.81

250000

200000

150000

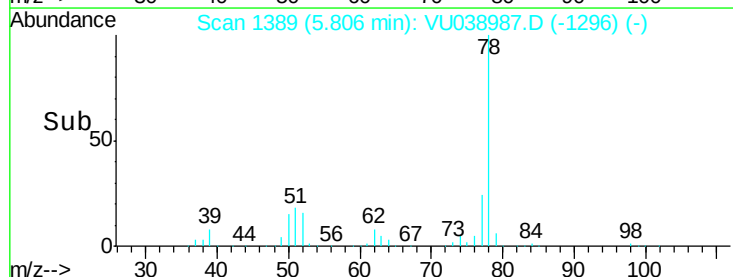
100000

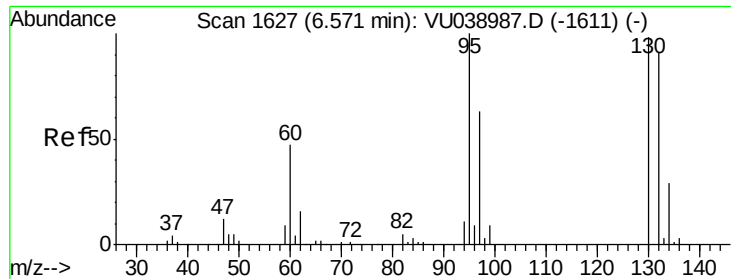
50000

0

Time-->

5.70 5.80 5.90





#34

Trichloroethene

Concen: 5.131 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU038987.D

Acq: 19 Jun 2020 16:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00501

Tgt Ion: 95 Resp: 108884

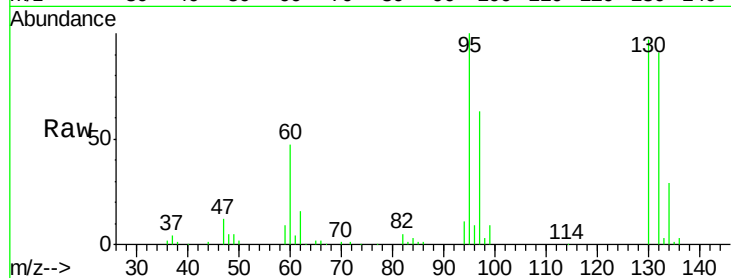
Ion Ratio Lower Upper

95 100

97 62.8 44.0 81.6

132 90.8 63.6 118.0

130 97.5 68.3 126.8

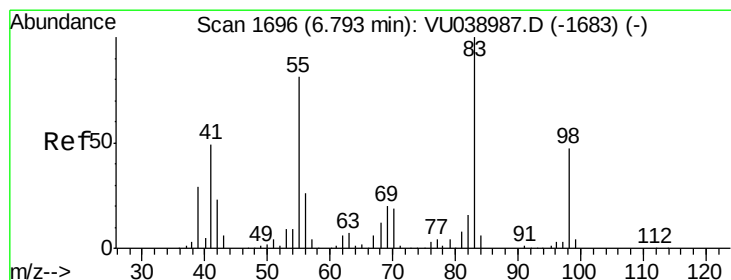
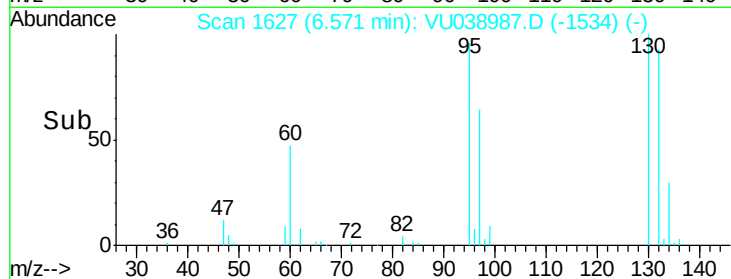
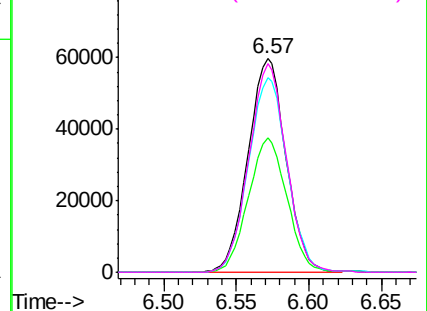


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.210 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU038987.D

Acq: 19 Jun 2020 16:26

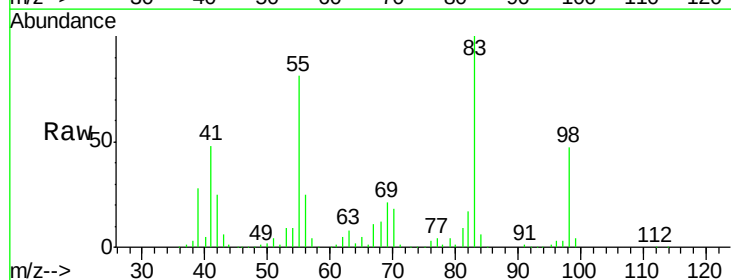
Tgt Ion: 83 Resp: 176730

Ion Ratio Lower Upper

83 100

55 80.2 64.2 96.2

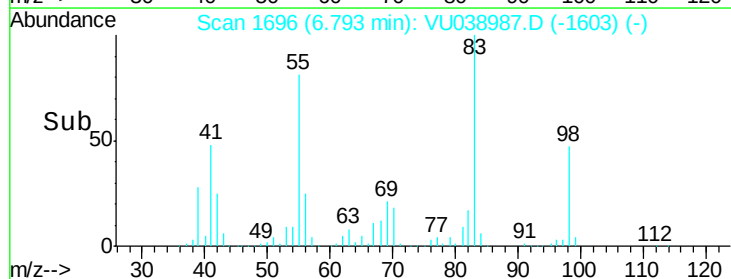
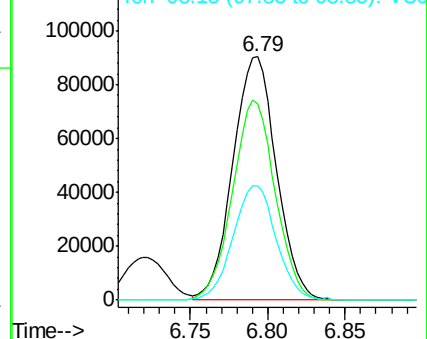
98 46.6 37.3 55.9

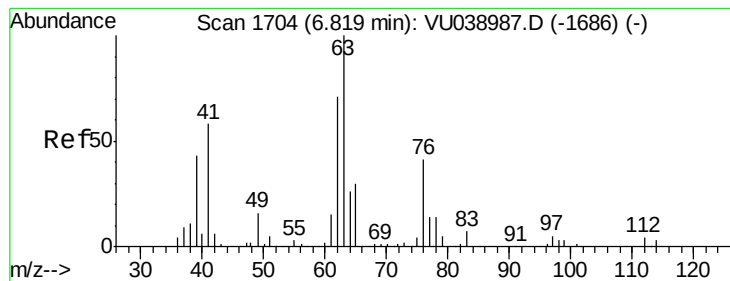


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 5.380 ug/L

RT: 6.82 min Scan# 1704

Delta R.T. 0.00 min

Lab File: VU038987.D

Acq: 19 Jun 2020 16:26

Instrument :

MSVOA_U

ClientSampleId :

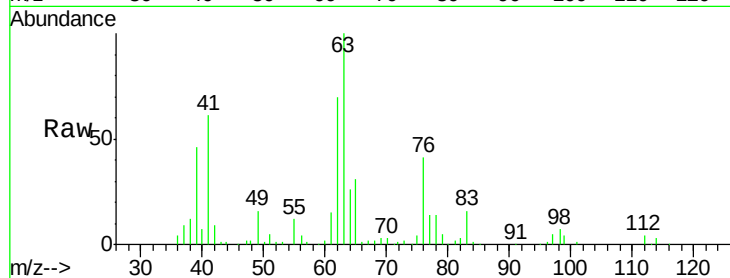
VSTD00501

Tgt Ion: 63 Resp: 119276

Ion Ratio Lower Upper

63 100

112 4.5 3.6 5.4



Abundance Ion 63.10 (62.80 to 63.80): VU038987.D (-1686) (-)

Ion 112.10 (111.80 to 112.80): VU038987.D (-1686) (-)

6.82

60000

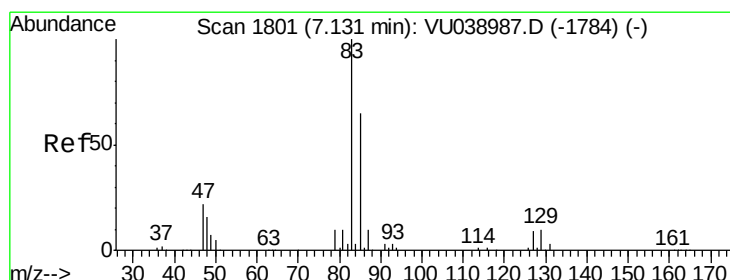
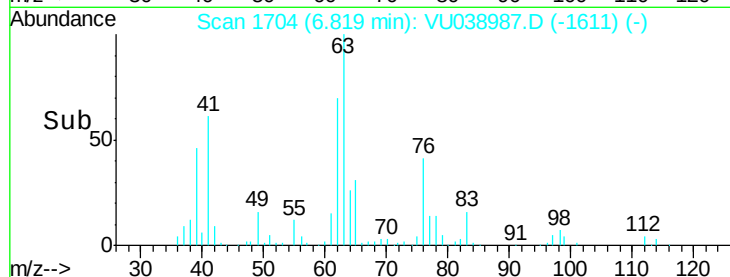
40000

20000

0

6.70 6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 5.877 ug/L

RT: 7.13 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VU038987.D

Acq: 19 Jun 2020 16:26

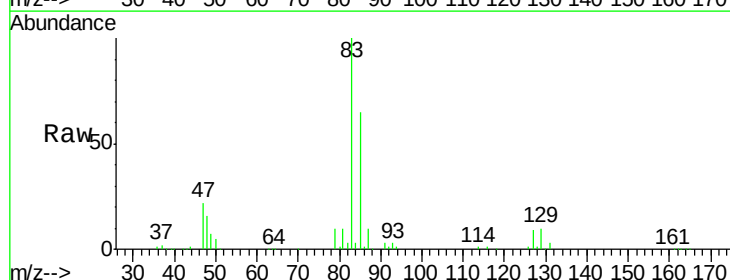
Tgt Ion: 83 Resp: 173610

Ion Ratio Lower Upper

83 100

85 65.0 45.5 84.5

127 8.5 6.8 10.2



Abundance Ion 82.95 (82.65 to 83.65): VU038987.D (-1784) (-)

Ion 85.00 (84.70 to 85.70): VU038987.D (-1784) (-)

Ion 126.90 (126.60 to 127.60): VU038987.D (-1784) (-)

7.13

120000

100000

80000

60000

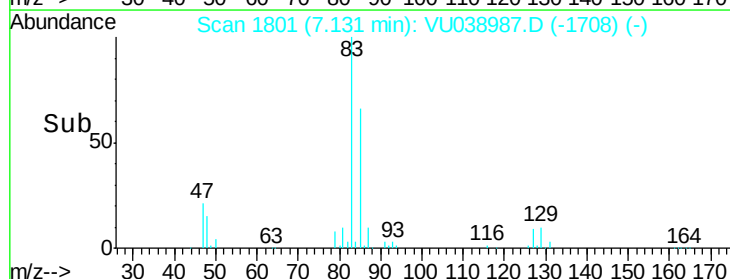
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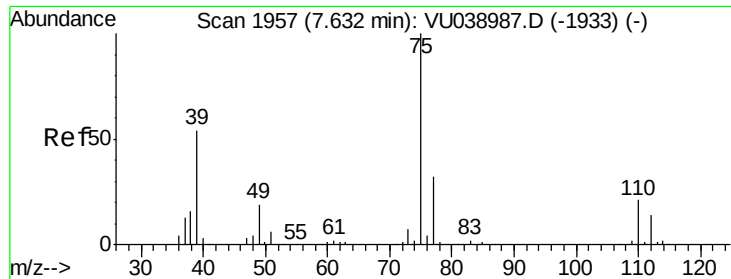
20000

0

7.05 7.10 7.15 7.20 7.25

Time-->

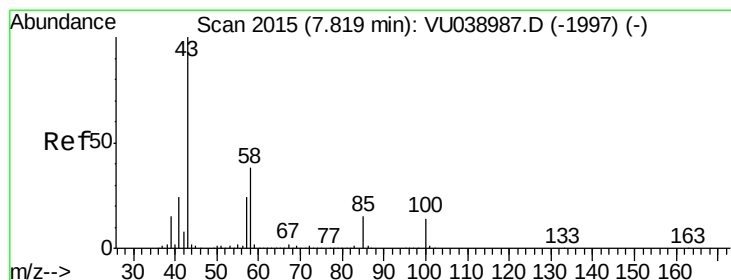
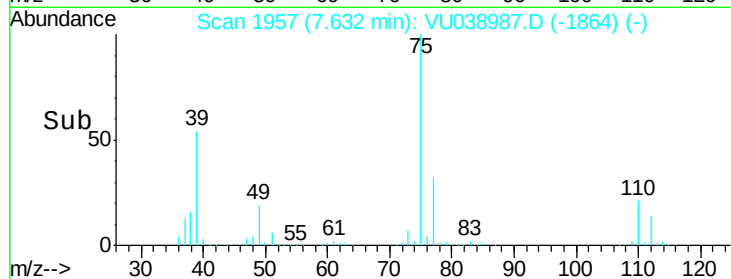
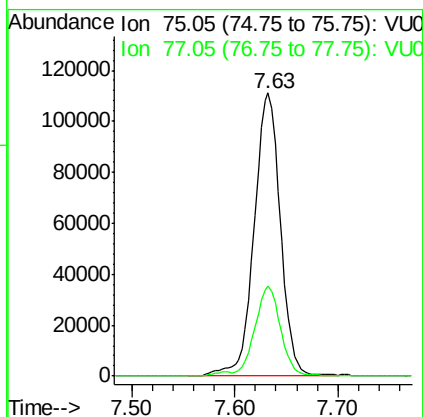
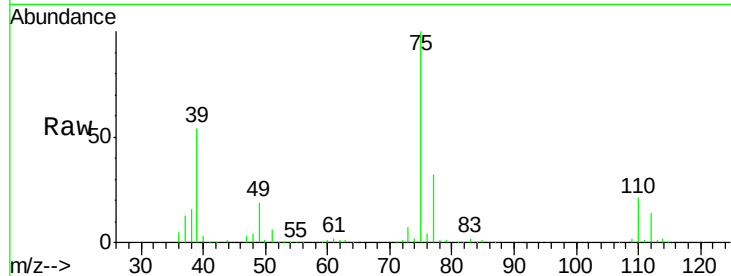




#39
 cis-1,3-Dichloropropene
 Concen: 5.882 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU038987.D
 Acq: 19 Jun 2020 16:26

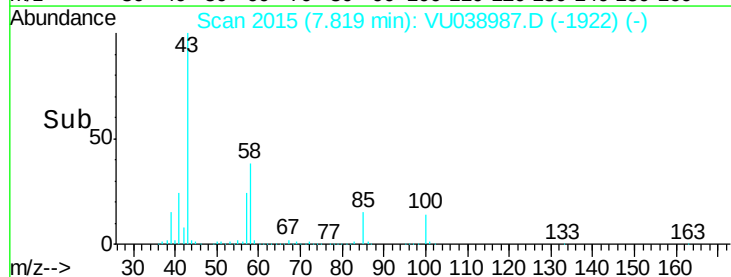
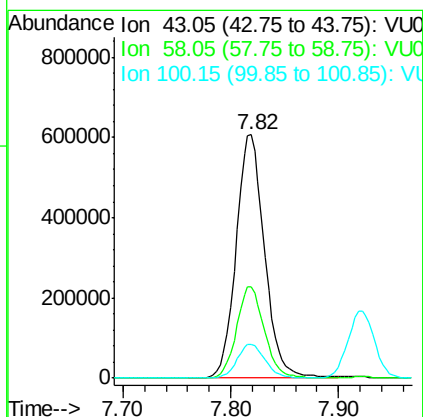
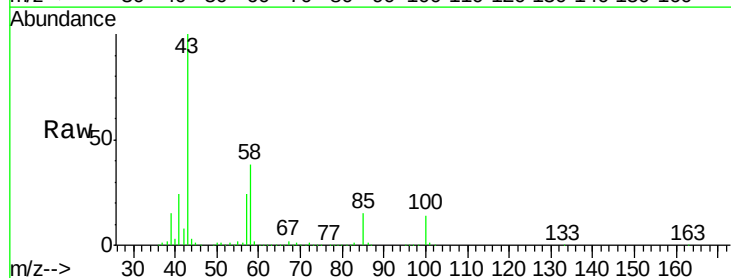
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00501

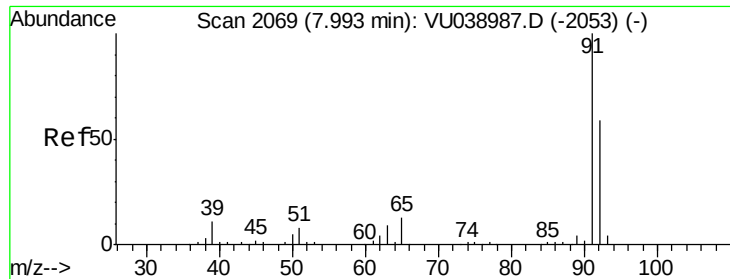
Tgt Ion: 75 Resp: 196176
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 68.095 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU038987.D
 Acq: 19 Jun 2020 16:26

Tgt Ion: 43 Resp: 1113606
 Ion Ratio Lower Upper
 43 100
 58 36.9 29.5 44.3
 100 13.7 11.0 16.4





#42

Toluene

Concen: 6.002 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU038987.D

Acq: 19 Jun 2020 16:26

Instrument :

MSVOA_U

ClientSampleId :

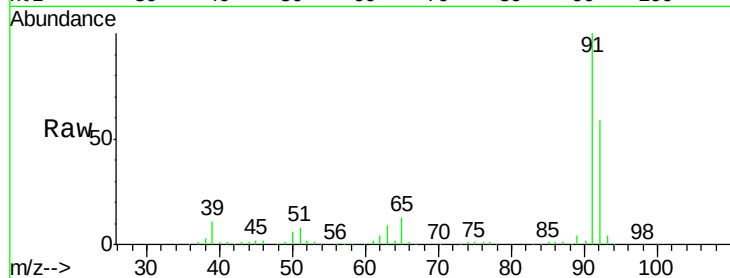
VSTD00501

Tgt Ion: 91 Resp: 540998

Ion Ratio Lower Upper

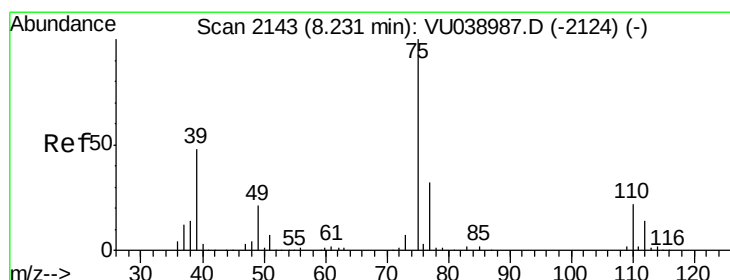
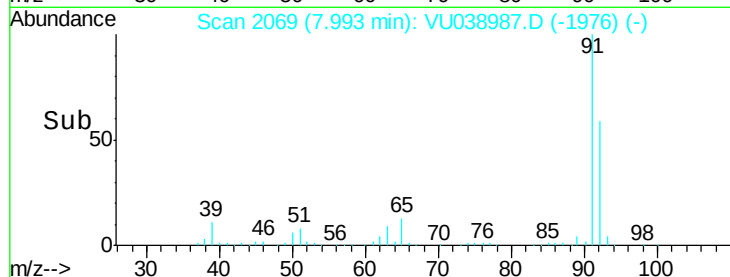
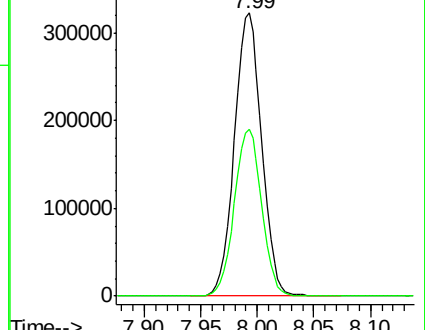
91 100

92 58.9 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VU038987.D (-2053) (-)

Ion 92.15 (91.85 to 92.85): VU038987.D (-2053) (-)



#44

trans-1,3-Dichloropropene

Concen: 6.091 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VU038987.D

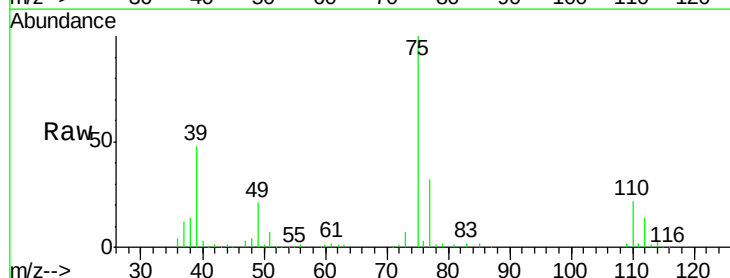
Acq: 19 Jun 2020 16:26

Tgt Ion: 75 Resp: 188710

Ion Ratio Lower Upper

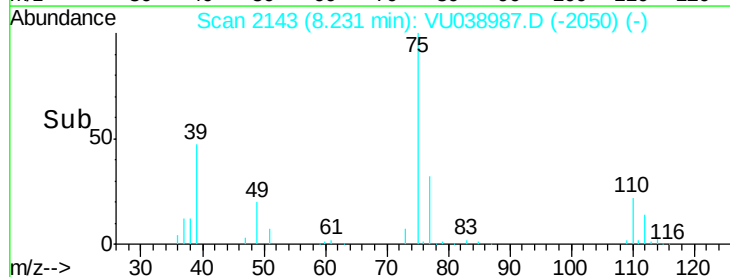
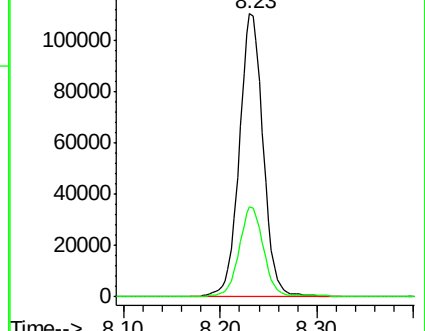
75 100

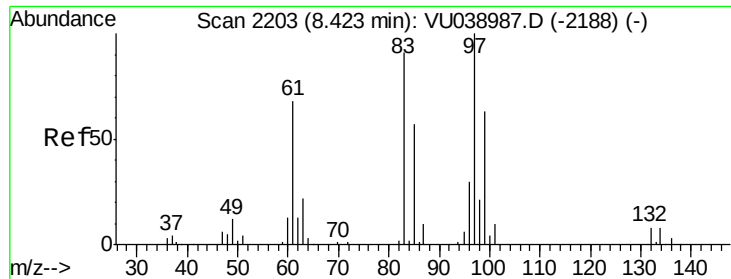
77 31.8 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VU038987.D (-2124) (-)

Ion 77.05 (76.75 to 77.75): VU038987.D (-2124) (-)

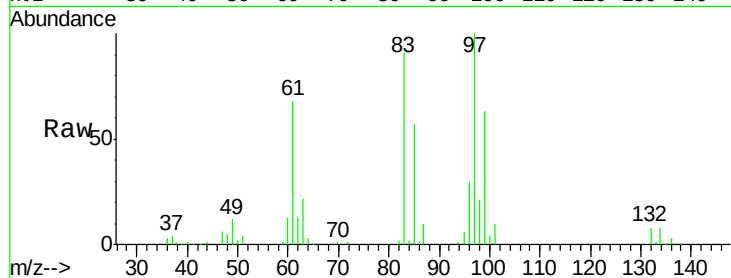




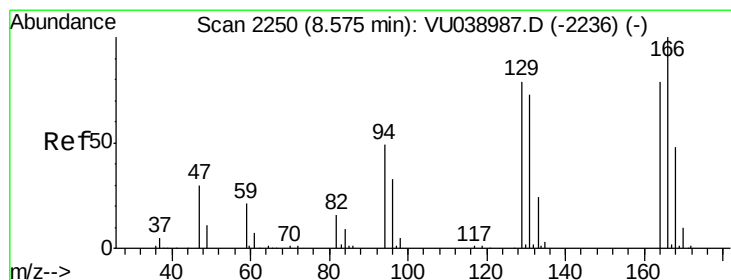
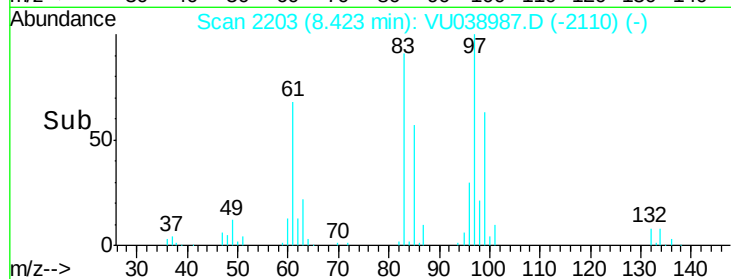
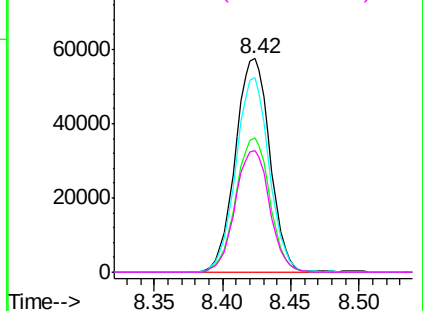
#45
 1,1,2-Trichloroethane
 Concen: 5.996 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. 0.00 min
 Lab File: VU038987.D
 Acq: 19 Jun 2020 16:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00501

Tgt Ion:	97	Resp:	101470
Ion	Ratio	Lower	Upper
97	100		
99	62.9	44.0	81.8
83	90.8	63.6	118.0
85	56.7	39.7	73.7

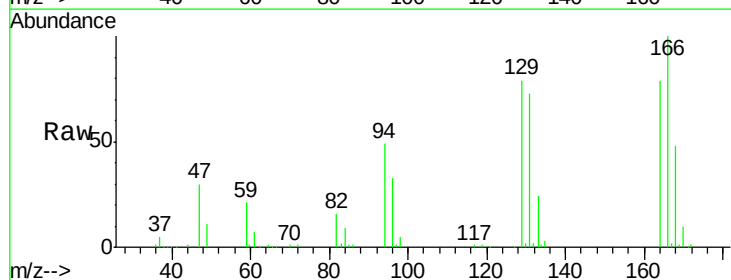


Abundance Ion 96.95 (96.65 to 97.65): VU038987.D (-2188) (-)
 Ion 99.05 (98.75 to 99.75): VU038987.D (-2188) (-)
 Ion 82.95 (82.65 to 83.65): VU038987.D (-2188) (-)
 Ion 85.00 (84.70 to 85.70): VU038987.D (-2188) (-)

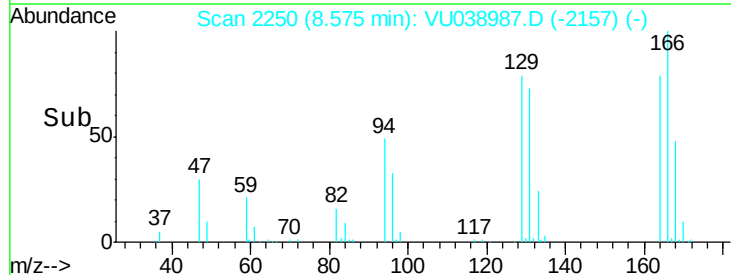
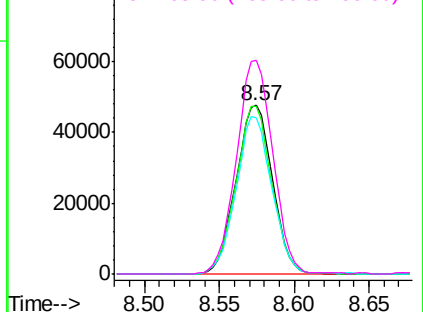


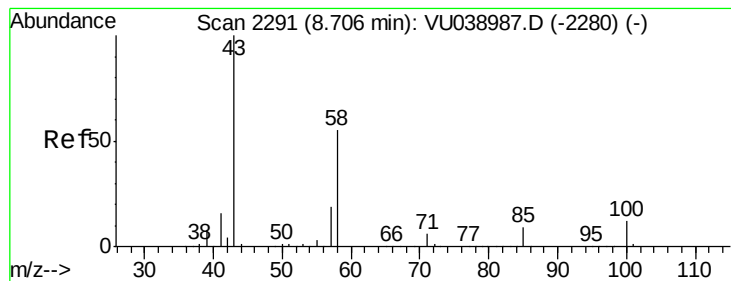
#47
 Tetrachloroethene
 Concen: 4.931 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU038987.D
 Acq: 19 Jun 2020 16:26

Tgt Ion:	164	Resp:	80864
Ion	Ratio	Lower	Upper
164	100		
129	99.6	69.7	129.5
131	92.9	65.0	120.8
166	126.5	88.5	164.4



Abundance Ion 163.90 (163.60 to 164.60): VU038987.D (-2236) (-)
 Ion 128.95 (128.65 to 129.65): VU038987.D (-2236) (-)
 Ion 130.95 (130.65 to 131.65): VU038987.D (-2236) (-)
 Ion 165.90 (165.60 to 166.60): VU038987.D (-2236) (-)





#48

2-Hexanone

Concen: 57.233 ug/L

RT: 8.71 min Scan# 2291

Delta R.T. 0.00 min

Lab File: VU038987.D

Acq: 19 Jun 2020 16:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00501

Tgt Ion: 43 Resp: 669038

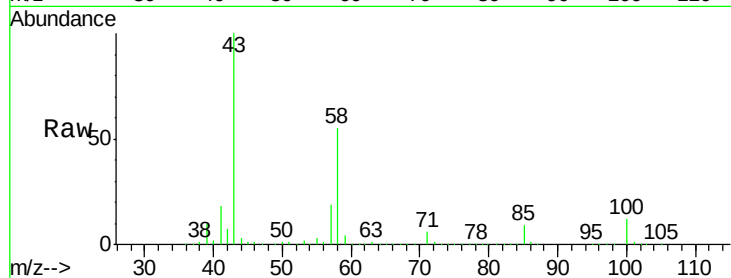
Ion Ratio Lower Upper

43 100

58 54.0 43.2 64.8

57 19.0 15.2 22.8

100 11.9 9.5 14.3

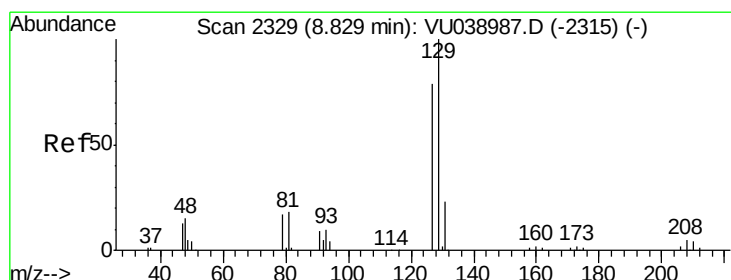
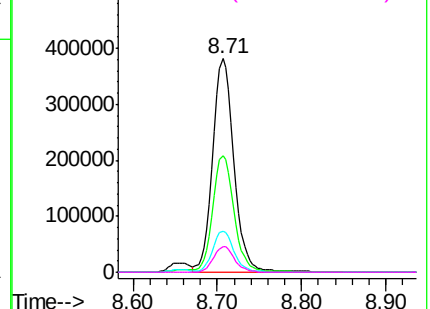
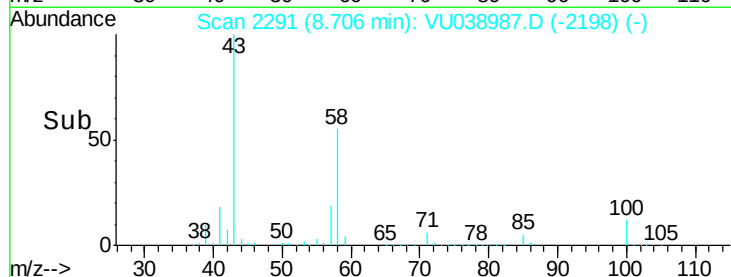


Abundance Ion 43.05 (42.75 to 43.75): VU038987.D (-2280) (-)

Ion 58.05 (57.75 to 58.75): VU038987.D (-2280) (-)

Ion 57.20 (56.90 to 57.90): VU038987.D (-2280) (-)

Ion 100.15 (99.85 to 100.85): VU038987.D (-2280) (-)



#49

Dibromochloromethane

Concen: 4.959 ug/L

RT: 8.83 min Scan# 2329

Delta R.T. 0.00 min

Lab File: VU038987.D

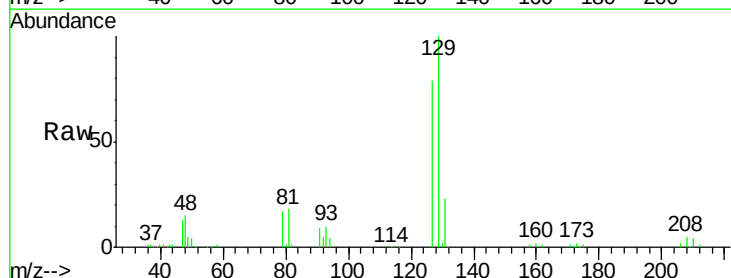
Acq: 19 Jun 2020 16:26

Tgt Ion: 129 Resp: 95583

Ion Ratio Lower Upper

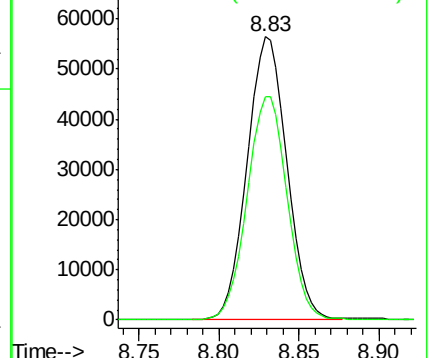
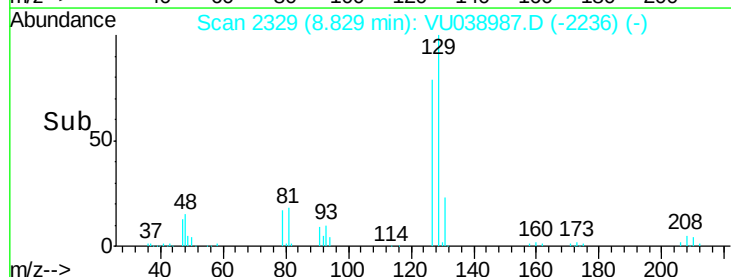
129 100

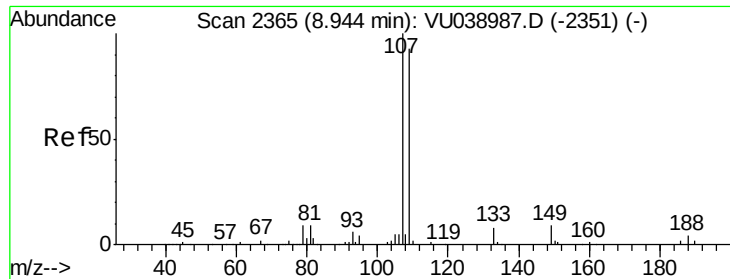
127 78.7 55.1 102.3



Abundance Ion 128.95 (128.65 to 129.65): VU038987.D (-2329) (-)

Ion 126.90 (126.60 to 127.60): VU038987.D (-2329) (-)

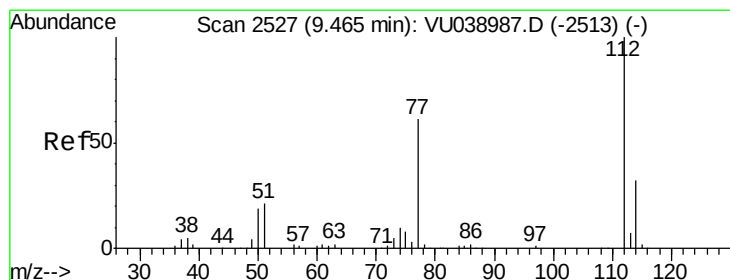
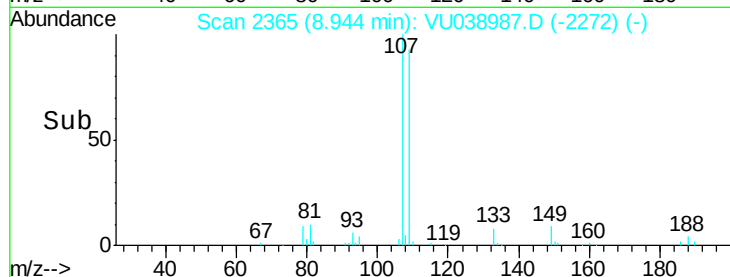
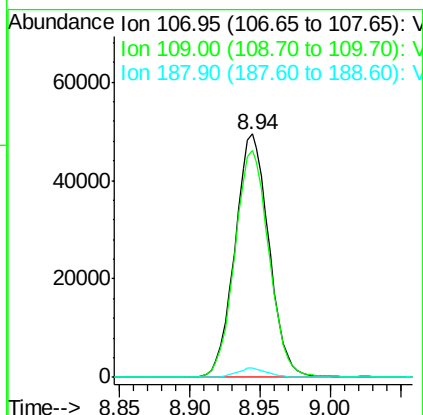
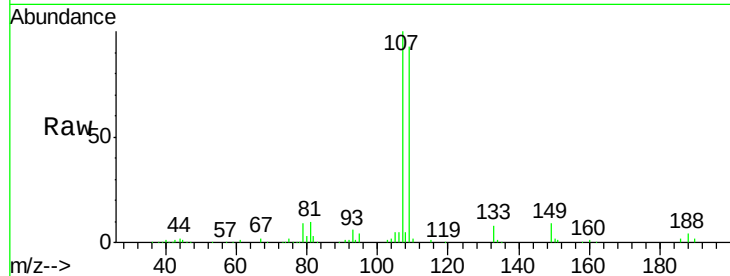




#50
1,2-Dibromoethane
Concen: 5.128 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. 0.00 min
Lab File: VU038987.D
Acq: 19 Jun 2020 16:26

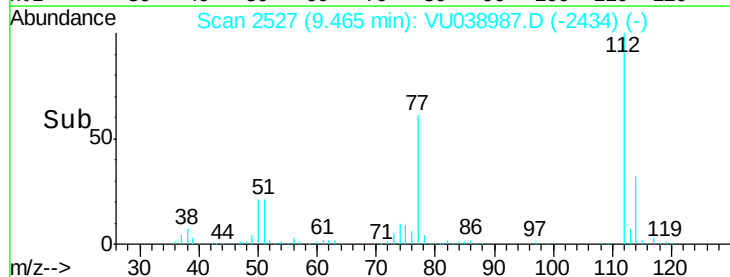
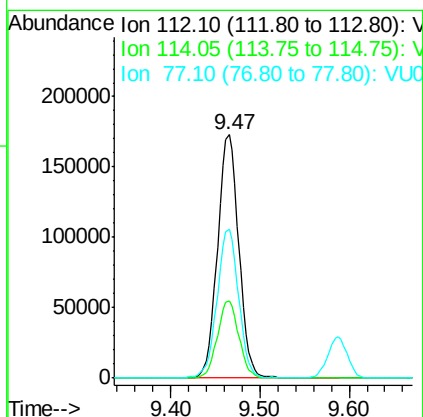
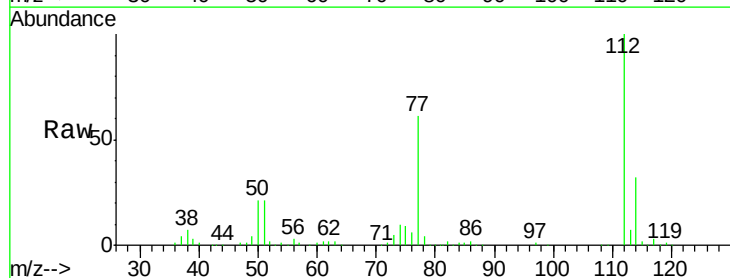
Instrument :
MSVOA_U
ClientSampleId :
VSTD00501

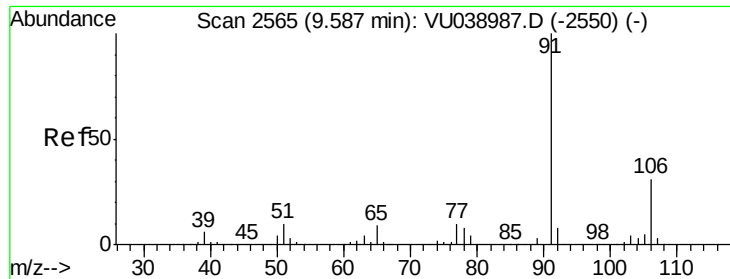
Tgt Ion:107 Resp: 83689
Ion Ratio Lower Upper
107 100
109 93.5 65.5 121.6
188 3.7 3.0 4.4



#51
Chlorobenzene
Concen: 5.064 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. 0.00 min
Lab File: VU038987.D
Acq: 19 Jun 2020 16:26

Tgt Ion:112 Resp: 285105
Ion Ratio Lower Upper
112 100
114 31.5 22.0 41.0
77 61.2 49.0 73.4





#52

Ethylbenzene

Concen: 5.151 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. 0.00 min

Lab File: VU038987.D

Acq: 19 Jun 2020 16:26

Instrument :

MSVOA_U

ClientSampleId :

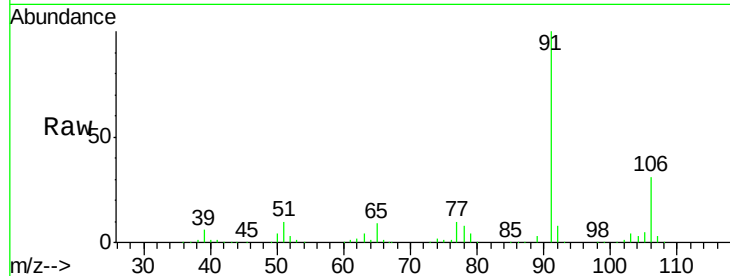
VSTD00501

Tgt Ion: 91 Resp: 482573

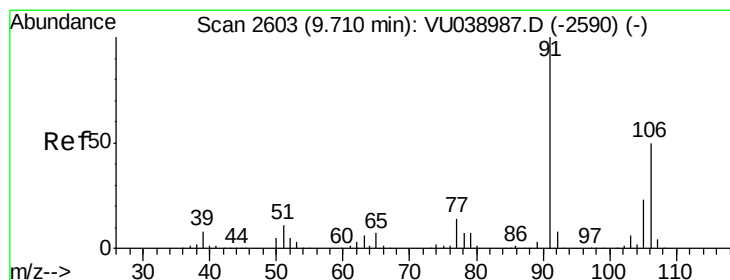
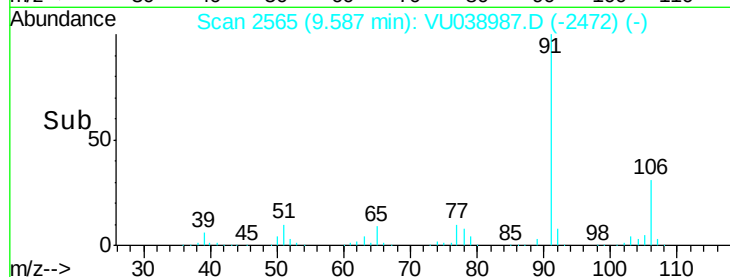
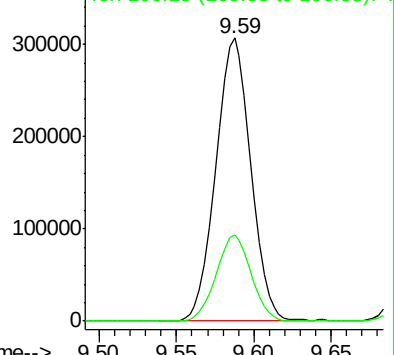
Ion Ratio Lower Upper

91 100

106 30.6 21.4 39.8



Abundance Ion 91.15 (90.85 to 91.85): VU038987.D (-2550) (-)



#53

m,p-Xylene

Concen: 5.253 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VU038987.D

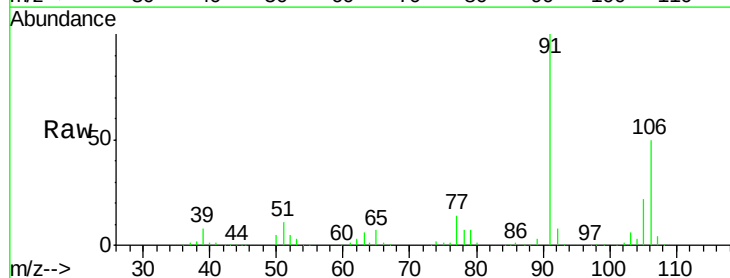
Acq: 19 Jun 2020 16:26

Tgt Ion: 106 Resp: 190013

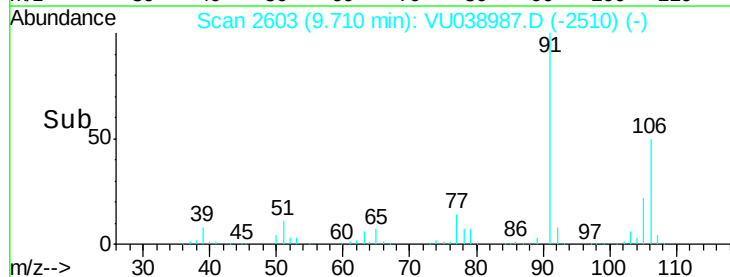
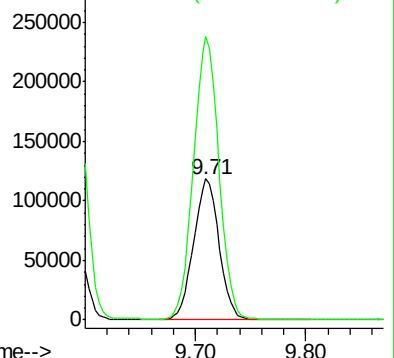
Ion Ratio Lower Upper

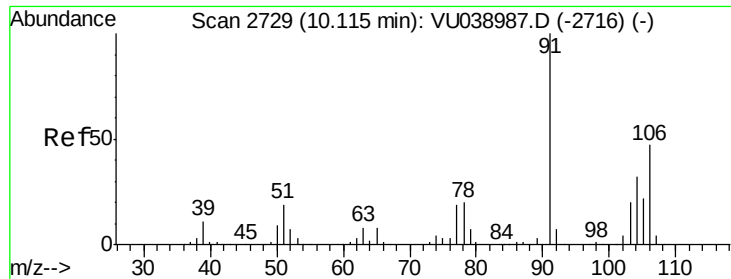
106 100

91 201.2 140.8 261.6



Abundance Ion 106.15 (105.85 to 106.85): VU038987.D (-2590) (-)

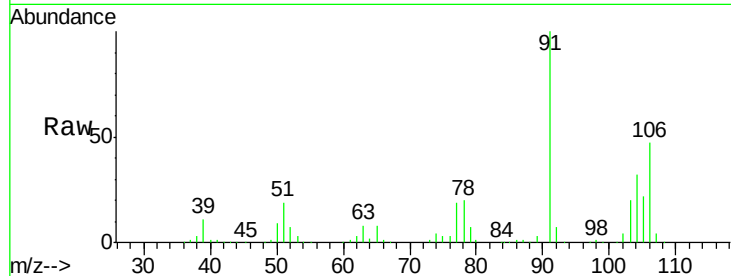




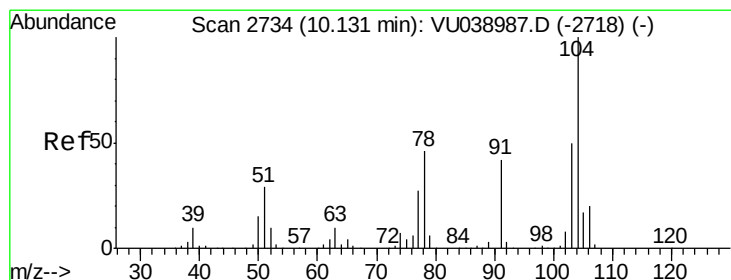
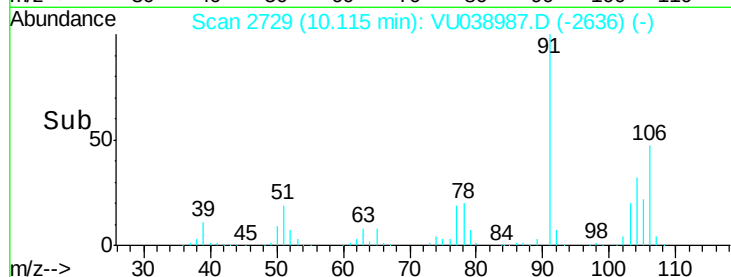
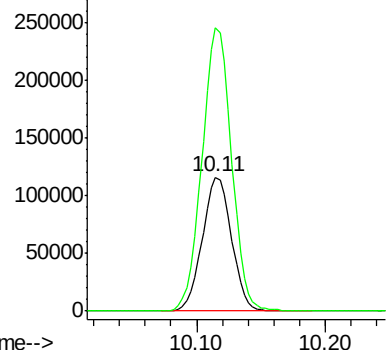
#54
o-Xylene
Concen: 5.254 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU038987.D
Acq: 19 Jun 2020 16:26

Instrument :
MSVOA_U
ClientSampleId :
VSTD00501

Tgt Ion:106 Resp: 182055
Ion Ratio Lower Upper
106 100
91 211.7 148.2 275.2

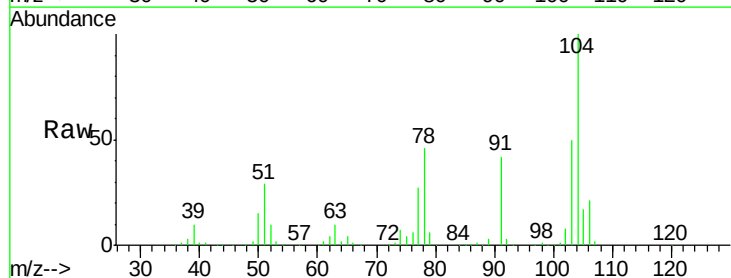


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

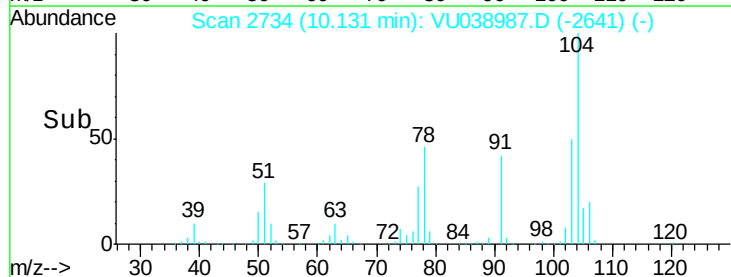
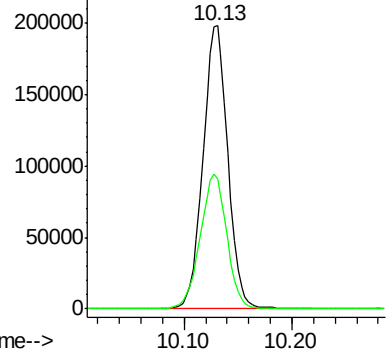


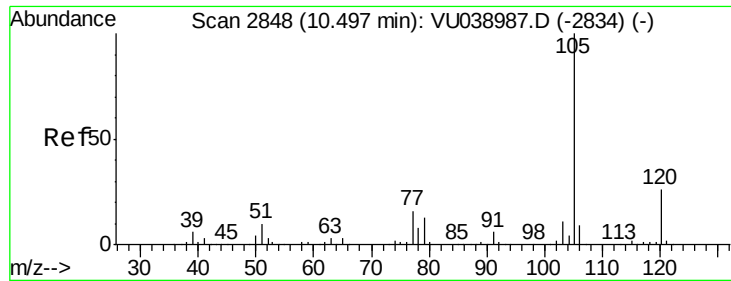
#55
Styrene
Concen: 5.327 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU038987.D
Acq: 19 Jun 2020 16:26

Tgt Ion:104 Resp: 318146
Ion Ratio Lower Upper
104 100
78 45.7 32.0 59.4



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





#56

Isopropylbenzene

Concen: 5.200 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VU038987.D

Acq: 19 Jun 2020 16:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00501

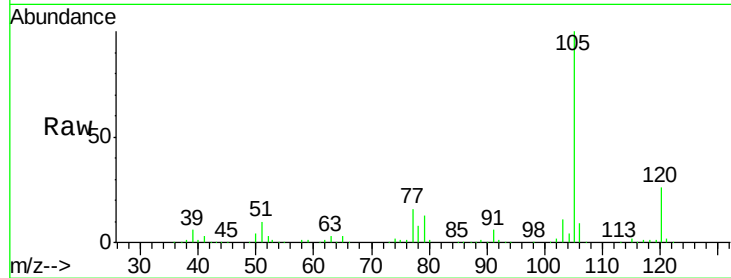
Tgt Ion: 105 Resp: 479634

Ion Ratio Lower Upper

105 100

120 25.9 20.7 31.1

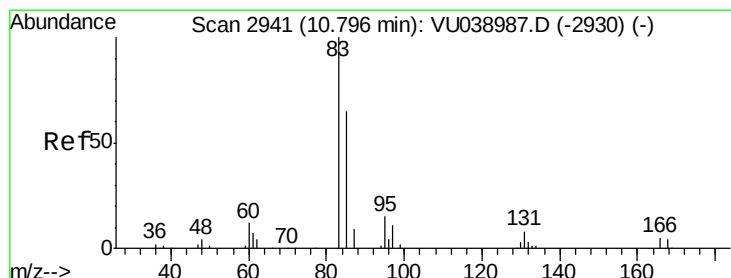
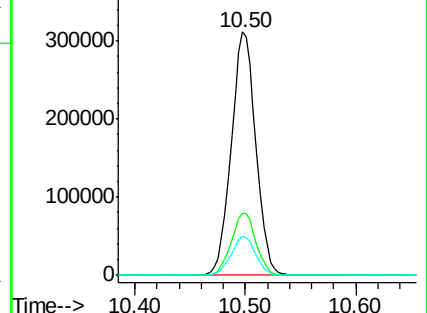
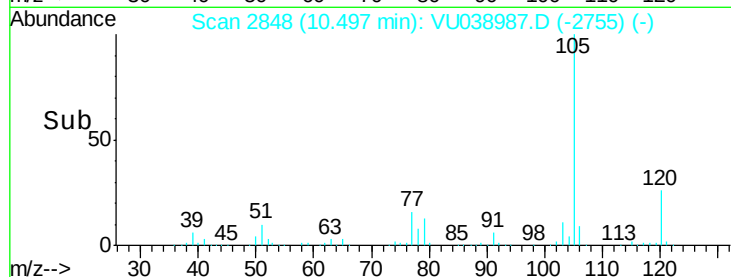
77 16.1 12.9 19.3



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: 5.069 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. 0.00 min

Lab File: VU038987.D

Acq: 19 Jun 2020 16:26

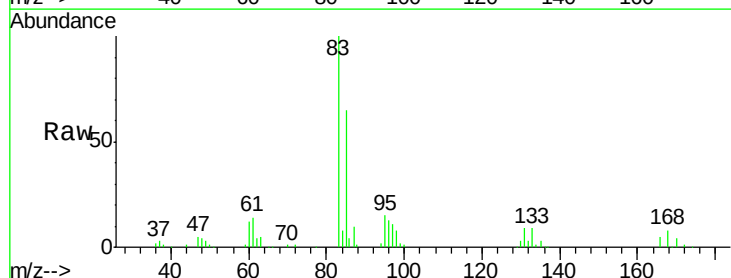
Tgt Ion: 83 Resp: 114163

Ion Ratio Lower Upper

83 100

85 65.1 45.6 84.6

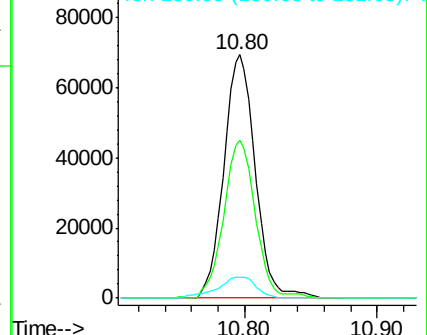
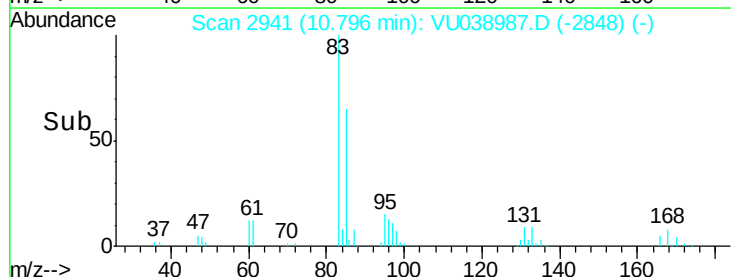
131 8.8 7.0 10.6

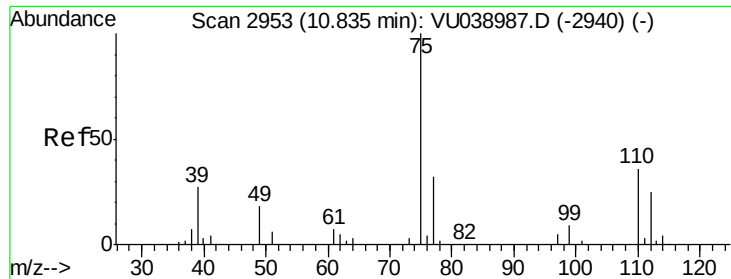


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

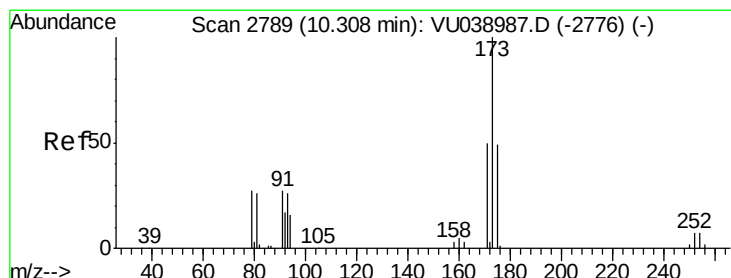
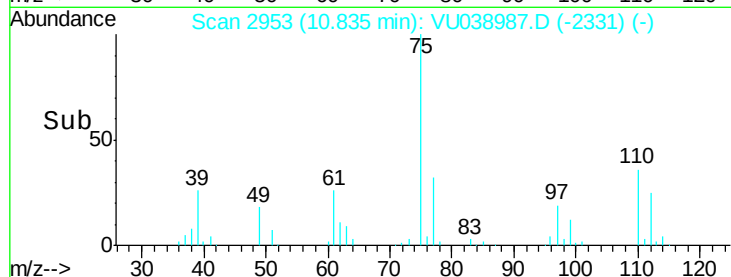
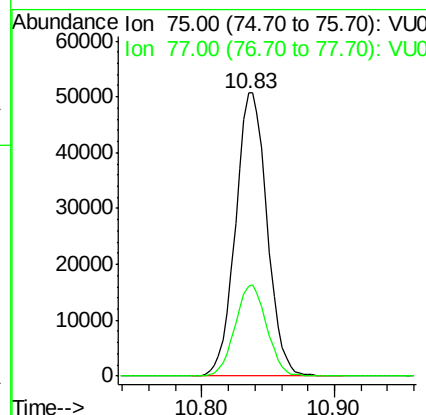
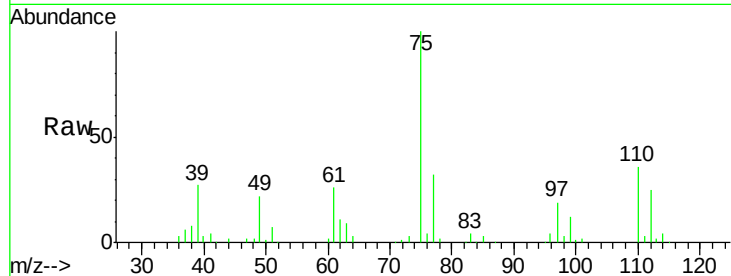




#59
 1,2,3-Trichloropropane
 Concen: 5.051 ug/L
 RT: 10.83 min Scan# 2953
 Delta R.T. 0.00 min
 Lab File: VU038987.D
 Acq: 19 Jun 2020 16:26

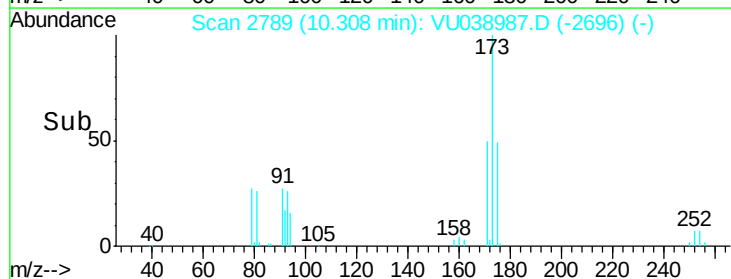
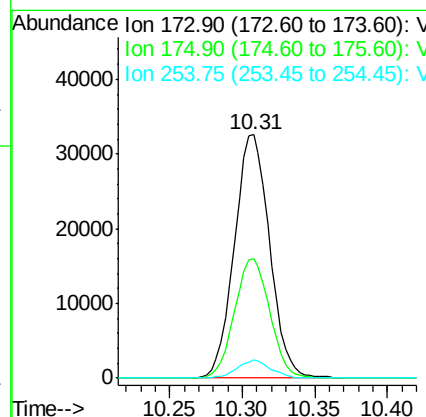
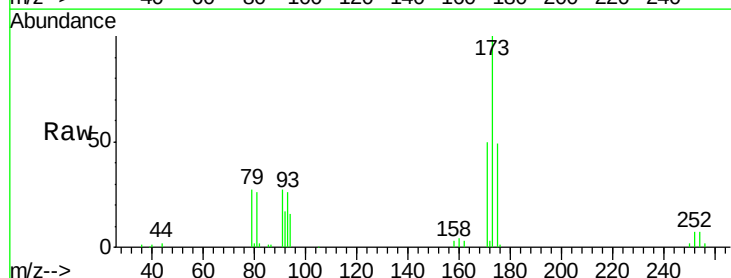
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00501

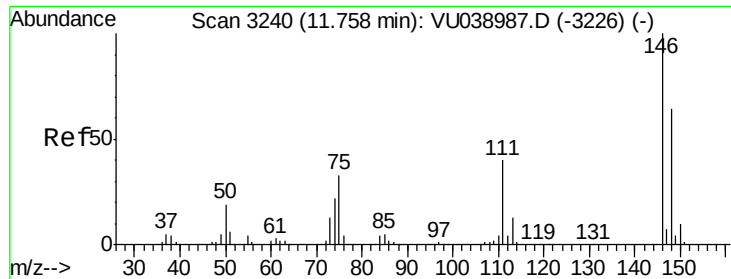
Tgt Ion: 75 Resp: 83589
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.9 38.9



#61
 Bromoform
 Concen: 4.630 ug/L
 RT: 10.31 min Scan# 2789
 Delta R.T. 0.00 min
 Lab File: VU038987.D
 Acq: 19 Jun 2020 16:26

Tgt Ion: 173 Resp: 55003
 Ion Ratio Lower Upper
 173 100
 175 48.9 39.1 58.7
 254 7.0 5.6 8.4

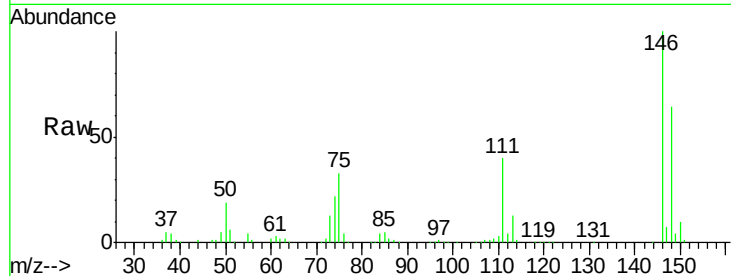




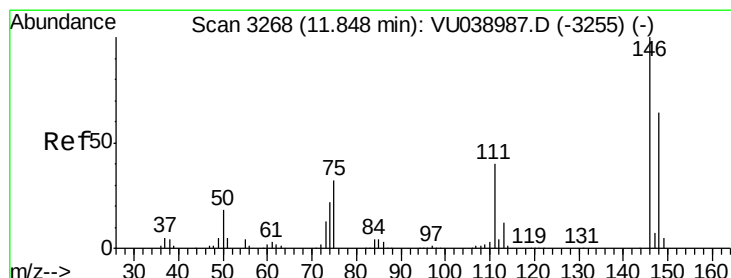
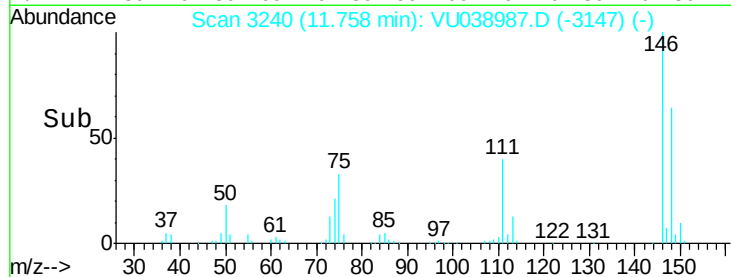
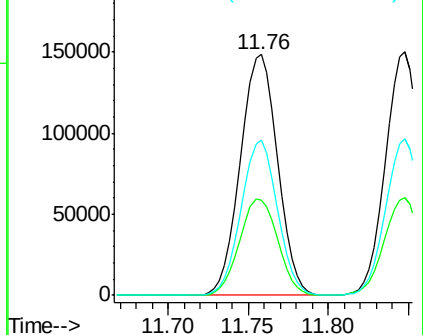
#62
 1,3-Dichlorobenzene
 Concen: 5.070 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU038987.D
 Acq: 19 Jun 2020 16:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00501

Tgt Ion:146 Resp: 235956
 Ion Ratio Lower Upper
 146 100
 111 39.7 27.8 51.6
 148 64.4 45.1 83.7

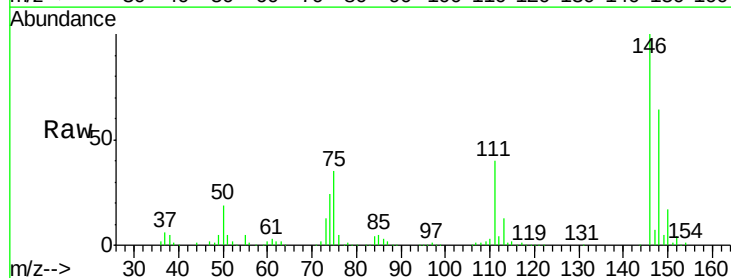


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

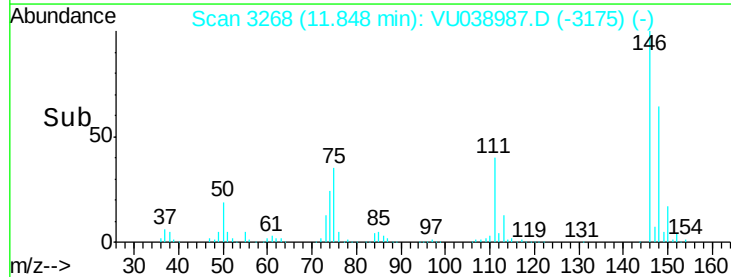
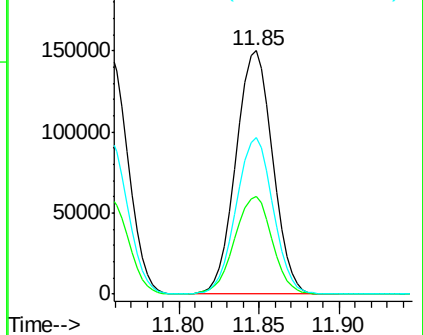


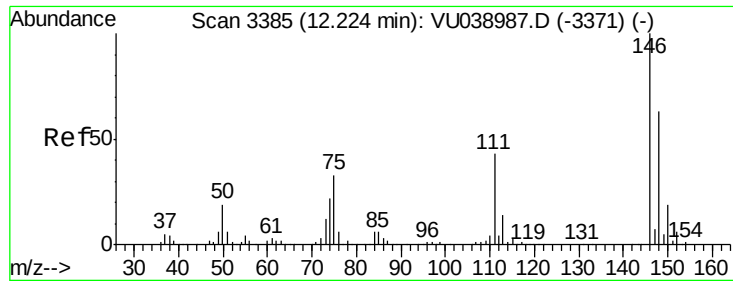
#63
 1,4-Dichlorobenzene
 Concen: 4.926 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. 0.00 min
 Lab File: VU038987.D
 Acq: 19 Jun 2020 16:26

Tgt Ion:146 Resp: 234833
 Ion Ratio Lower Upper
 146 100
 111 40.2 28.1 52.3
 148 64.3 45.0 83.6



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

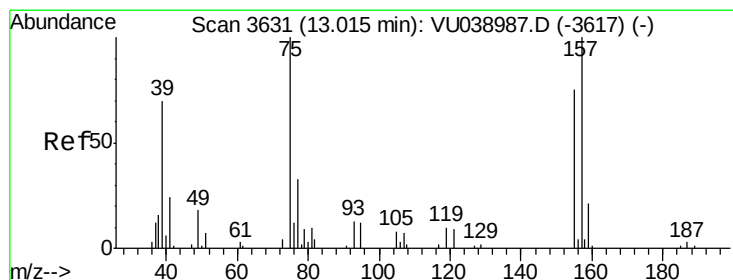
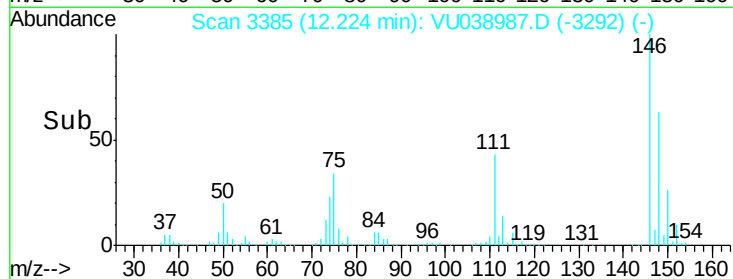
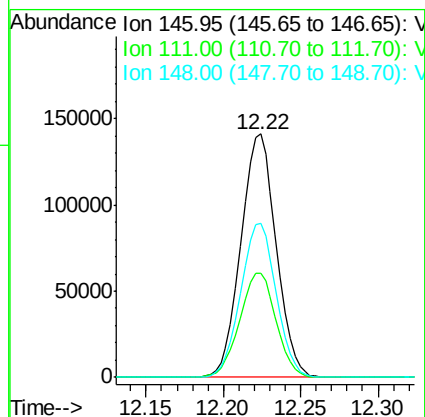
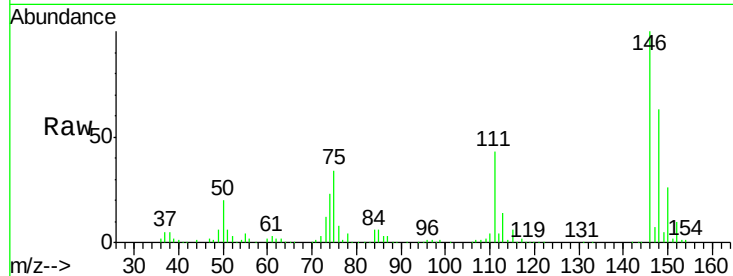




#65
 1,2-Dichlorobenzene
 Concen: 4.890 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. 0.00 min
 Lab File: VU038987.D
 Acq: 19 Jun 2020 16:26

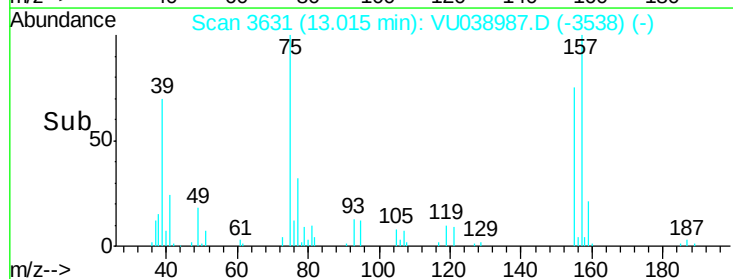
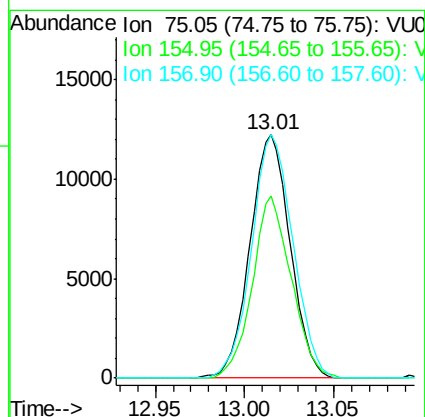
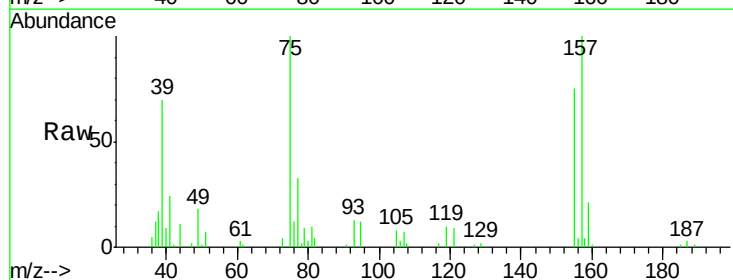
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00501

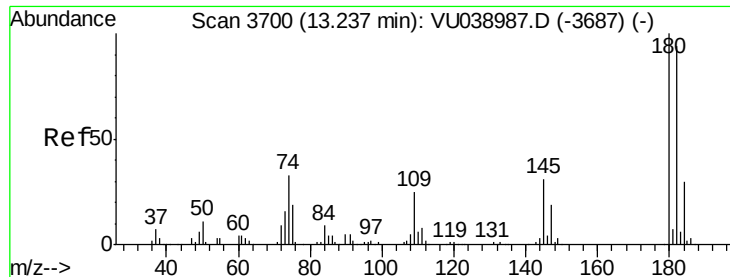
Tgt Ion: 146 Resp: 223897
 Ion Ratio Lower Upper
 146 100
 111 43.0 34.4 51.6
 148 63.2 50.6 75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.325 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. 0.00 min
 Lab File: VU038987.D
 Acq: 19 Jun 2020 16:26

Tgt Ion: 75 Resp: 19278
 Ion Ratio Lower Upper
 75 100
 155 74.9 59.9 89.9
 157 99.9 79.9 119.9

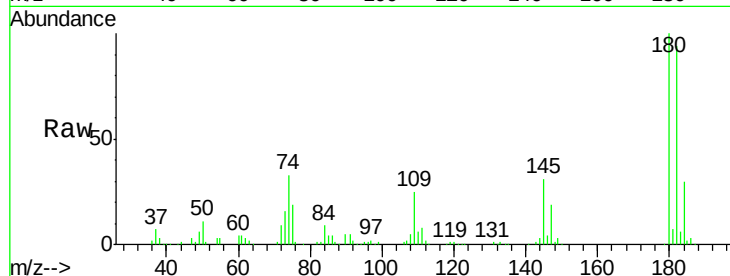




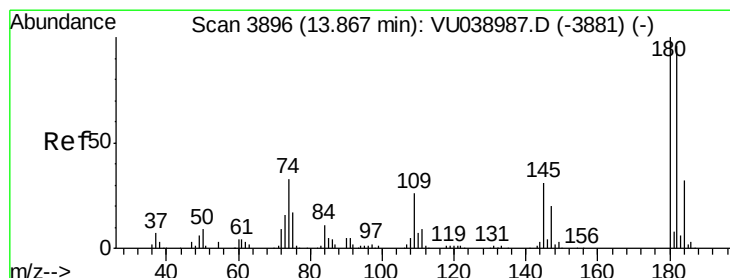
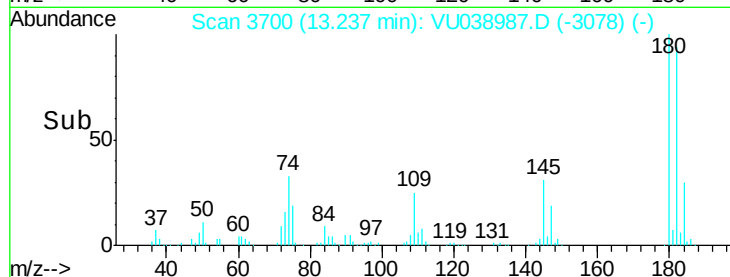
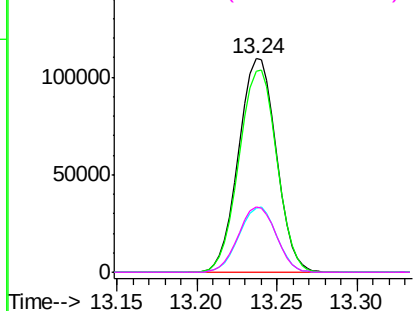
#67
 1,3,5-Trichlorobenzene
 Concen: 4.712 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU038987.D
 Acq: 19 Jun 2020 16:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00501

Tgt Ion:180 Resp: 175367
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.0 114.0
 184 30.2 24.2 36.2
 145 30.7 24.6 36.8

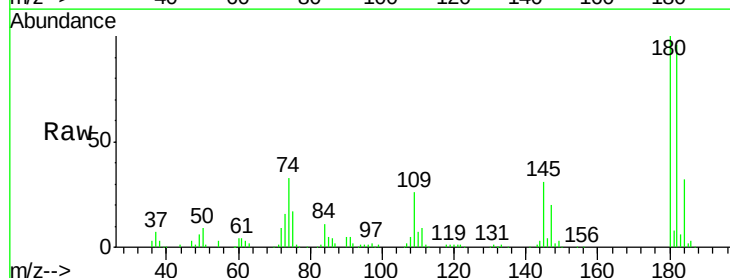


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

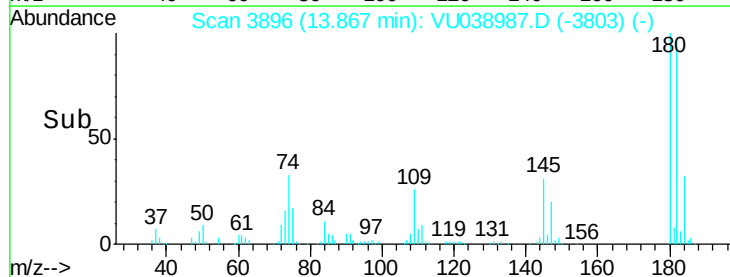
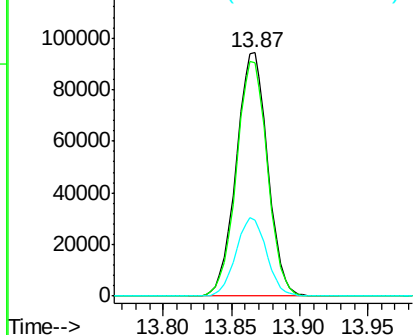


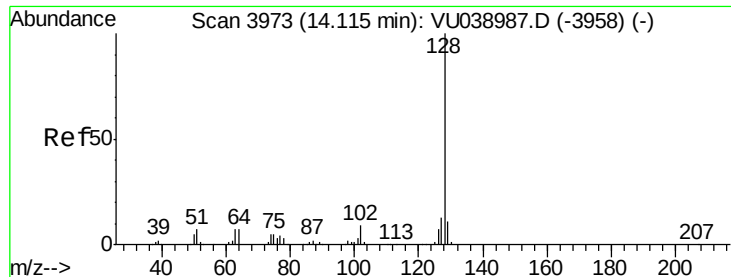
#68
 1,2,4-trichlorobenzene
 Concen: 4.479 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU038987.D
 Acq: 19 Jun 2020 16:26

Tgt Ion:180 Resp: 150473
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.0 114.0
 145 31.3 25.0 37.6



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: 4.286 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU038987.D

Acq: 19 Jun 2020 16:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00501

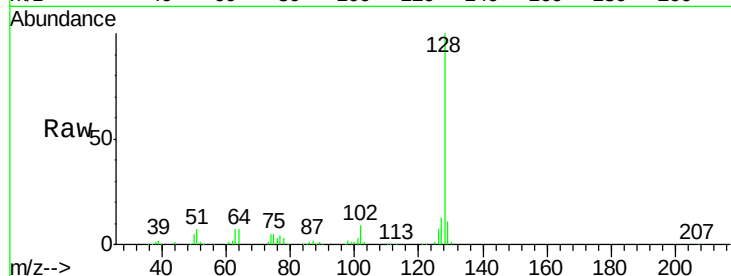
Tgt Ion:128 Resp: 275593

Ion Ratio Lower Upper

128 100

129 10.4 8.3 12.5

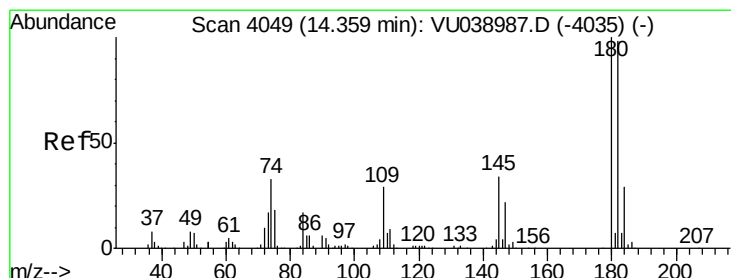
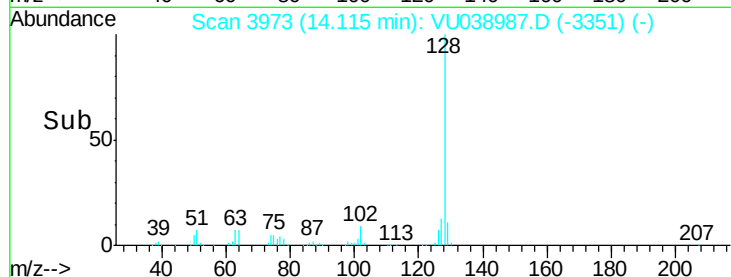
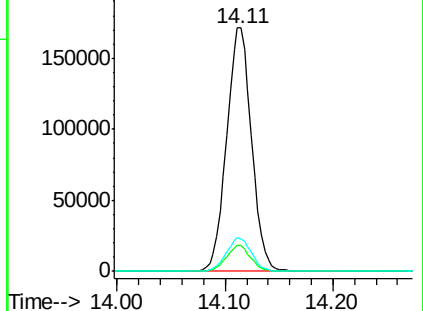
127 13.8 11.0 16.6



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: 5.082 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. 0.00 min

Lab File: VU038987.D

Acq: 19 Jun 2020 16:26

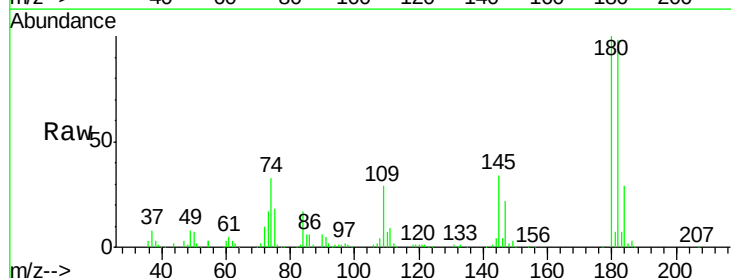
Tgt Ion:180 Resp: 161770

Ion Ratio Lower Upper

180 100

182 96.6 77.3 115.9

145 33.6 26.9 40.3



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

