

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061920\
 Data File : VU038988.D
 Acq On : 19 Jun 2020 16:49
 Operator : SY/MD
 Sample : VSTD01002
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01002

Quant Time: Jun 19 17:22:01 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	279785	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	281740	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	151736	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	239914	11.69	ug/L	0.00
7) Chloroethane-d5	1.93	69	179591	10.71	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	443772	10.86	ug/L	0.00
20) 2-Butanone-d5	4.67	46	746294	114.73	ug/L	0.00
24) Chloroform-d	5.10	84	422978	10.59	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	239944	10.36	ug/L	0.00
32) Benzene-d6	5.76	84	840750	11.00	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	265206	11.18	ug/L	0.00
41) Toluene-d8	7.92	98	879976	12.45	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	117645	10.42	ug/L	0.00
46) 2-Hexanone-d5	8.65	63	586368	106.75	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	235978	10.67	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	290172	10.00	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	264460	9.802 ug/L	100
3) Chloromethane	1.54	50	263620	9.907 ug/L	100
5) Vinyl chloride	1.62	62	272908	10.226 ug/L	99
6) Bromomethane	1.88	94	107415	7.650 ug/L	98
8) Chloroethane	1.95	64	157837	9.458 ug/L	100
9) Trichlorofluoromethane	2.16	101	349115	8.761 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	208586	9.857 ug/L	99
12) 1,1-Dichloroethene	2.61	96	200534	10.065 ug/L	95
13) Acetone	2.67	43	452722	102.878 ug/L	98
14) Carbon disulfide	2.82	76	667031	9.825 ug/L	100
15) Methyl Acetate	2.98	43	111571	10.229 ug/L	98
16) Methylene chloride	3.08	84	225025	9.686 ug/L	100
17) Methyl tert-butyl Ether	3.40	73	542462	10.300 ug/L	100
18) trans-1,2-Dichloroethene	3.39	96	208219	9.888 ug/L	96
19) 1,1-Dichloroethane	3.91	63	407209	10.530 ug/L	99
21) 2-Butanone	4.75	43	771366	111.218 ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	225893	10.447 ug/L	99
23) Bromochloromethane	5.02	128	102485	10.052 ug/L	93
25) Chloroform	5.12	83	398258	10.187 ug/L	95
27) 1,2-Dichloroethane	5.83	62	283554	9.976 ug/L	100
29) 1,1,1-Trichloroethane	5.35	97	349399	9.900 ug/L	99
30) Cyclohexane	5.42	56	357573	10.522 ug/L	98
31) Carbon tetrachloride	5.56	117	292024	9.427 ug/L	99
33) Benzene	5.81	78	905990	10.508 ug/L	100
34) Trichloroethene	6.57	95	216594	10.014 ug/L	99
35) Methylcyclohexane	6.79	83	359265	10.390 ug/L	99
37) 1,2-Dichloropropane	6.82	63	234919	10.395 ug/L	100
38) Bromodichloromethane	7.13	83	339975	11.291 ug/L	100
39) cis-1,3-Dichloropropene	7.63	75	434336	12.777 ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	2346743	140.777 ug/L	99

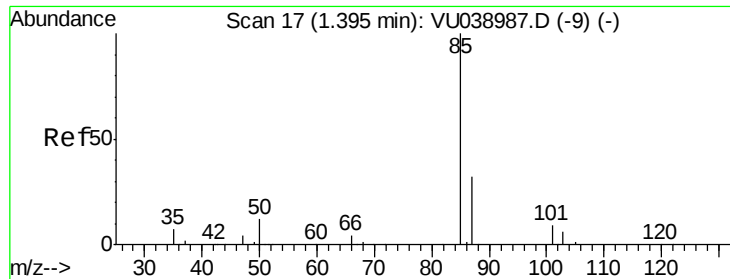
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061920\
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 QLast Update : Fri Jun 19 17:18:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	1072352	11.672	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	313962	9.941	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	171712	9.954	ug/L	97
47) Tetrachloroethene	8.57	164	161414	9.657	ug/L	99
48) 2-Hexanone	8.71	43	1348804	113.196	ug/L	99
49) Dibromochloromethane	8.83	129	194087	9.879	ug/L	97
50) 1,2-Dibromoethane	8.94	107	166036	9.981	ug/L	99
51) Chlorobenzene	9.47	112	570991	9.949	ug/L	99
52) Ethylbenzene	9.59	91	1012030	10.597	ug/L	99
53) m,p-Xylene	9.71	106	389797	10.572	ug/L	98
54) o-Xylene	10.11	106	373882	10.585	ug/L	96
55) Styrene	10.13	104	661685	10.869	ug/L	98
56) Isopropylbenzene	10.50	105	997812	10.613	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	230764	10.053	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	168588	9.994	ug/L	99
61) Bromoform	10.31	173	113839	9.324	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	472901	9.886	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	473966	9.673	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	452253	9.609	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	49092	10.716	ug/L	94
67) 1,3,5-Trichlorobenzene	13.24	180	396921	10.376	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	362121	10.488	ug/L	99
69) Naphthalene	14.11	128	719902	10.892	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	346868	10.603	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 9.802 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038988.D

Acq: 19 Jun 2020 16:49

Instrument :

MSVOA_U

ClientSampleId :

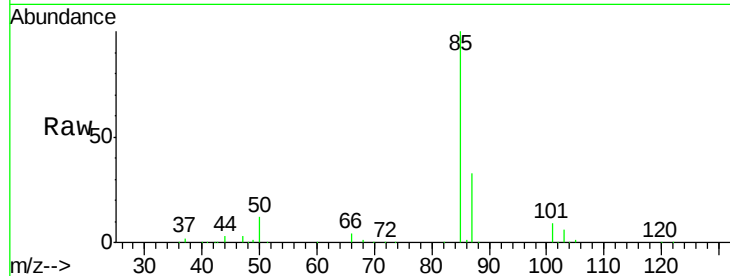
VSTD01002

Tgt Ion: 85 Resp: 264460

Ion Ratio Lower Upper

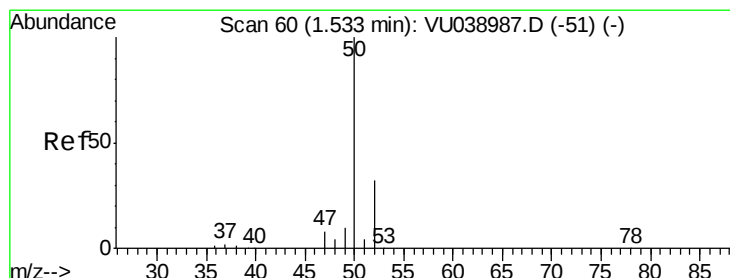
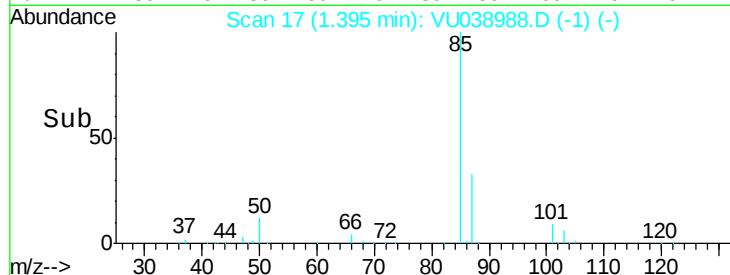
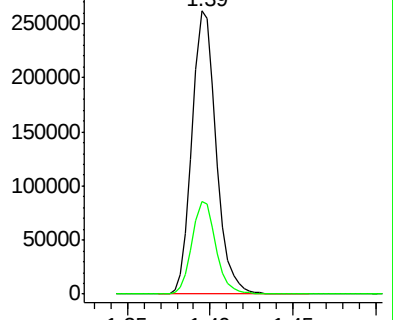
85 100

87 32.6 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU038988.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038988.D (-9) (-)



#3

Chloromethane

Concen: 9.907 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU038988.D

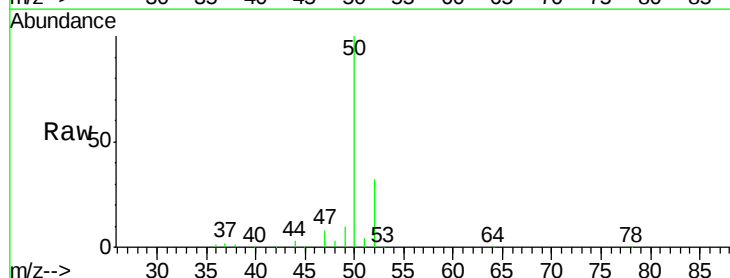
Acq: 19 Jun 2020 16:49

Tgt Ion: 50 Resp: 263620

Ion Ratio Lower Upper

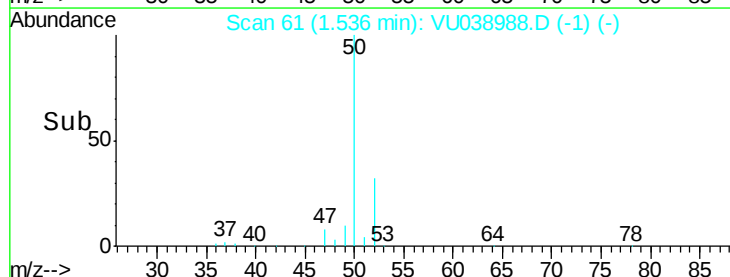
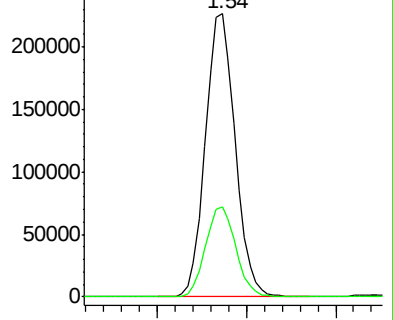
50 100

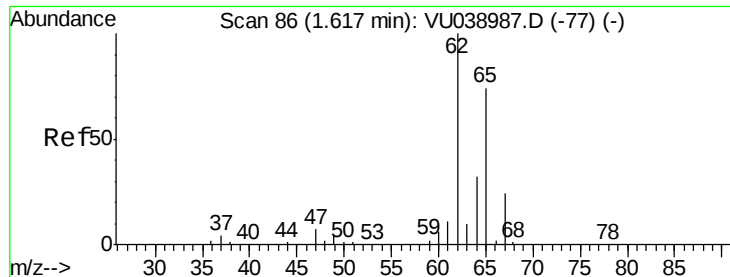
52 32.0 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VU038988.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU038988.D (-51) (-)





#5

Vinyl chloride

Concen: 10.226 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038988.D

Acq: 19 Jun 2020 16:49

Instrument :

MSVOA_U

ClientSampleId :

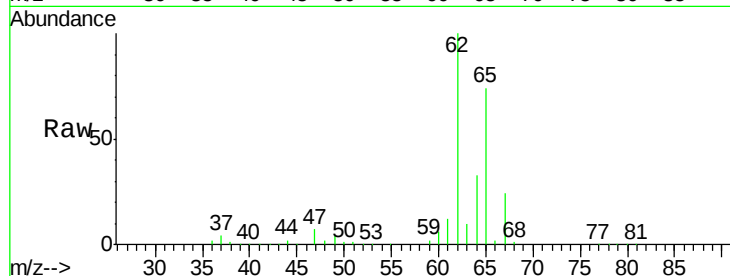
VSTD01002

Tgt Ion: 62 Resp: 272908

Ion Ratio Lower Upper

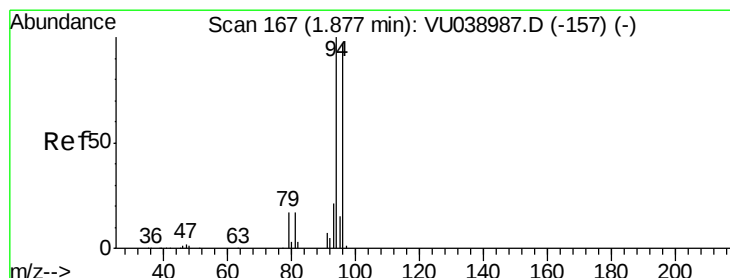
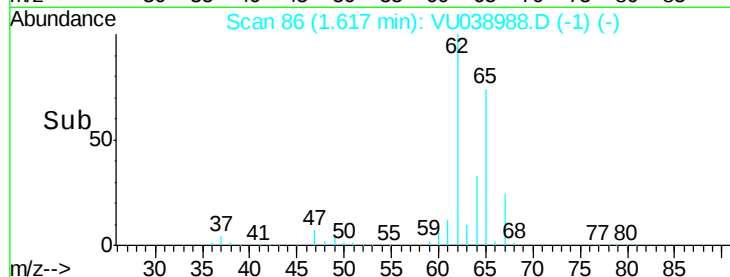
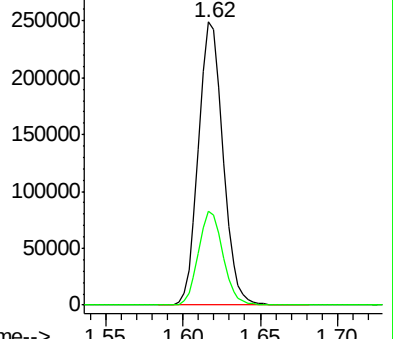
62 100

64 33.0 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 7.650 ug/L

RT: 1.88 min Scan# 167

Delta R.T. -0.00 min

Lab File: VU038988.D

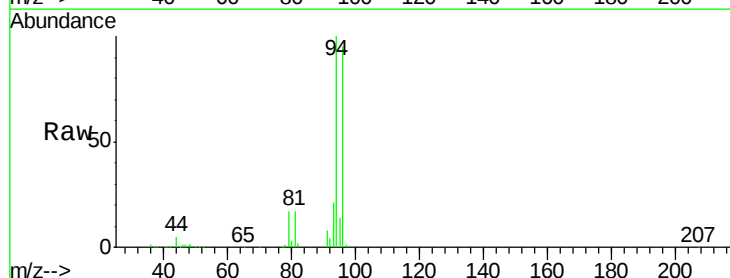
Acq: 19 Jun 2020 16:49

Tgt Ion: 94 Resp: 107415

Ion Ratio Lower Upper

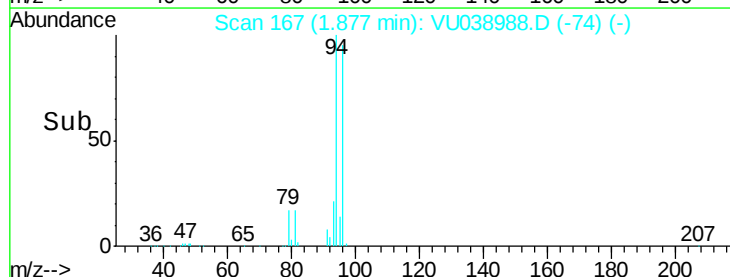
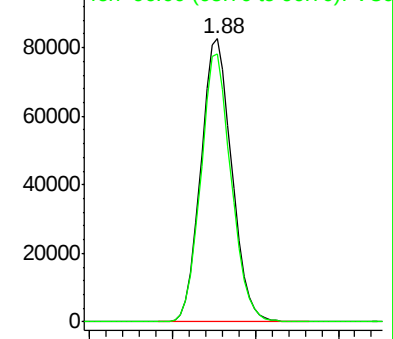
94 100

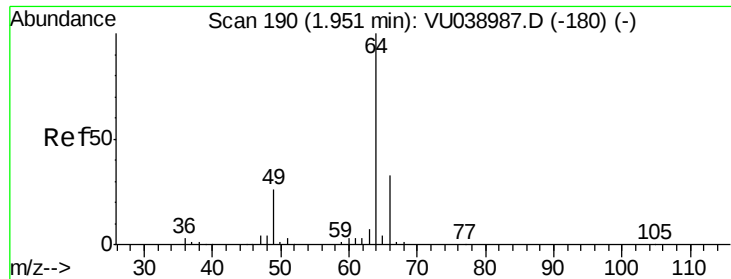
96 94.9 68.0 126.4



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 9.458 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU038988.D

Acq: 19 Jun 2020 16:49

Instrument :

MSVOA_U

ClientSampleId :

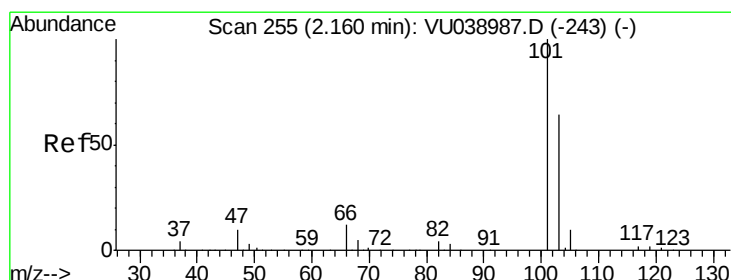
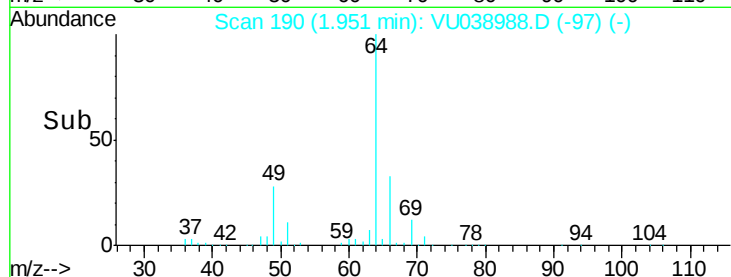
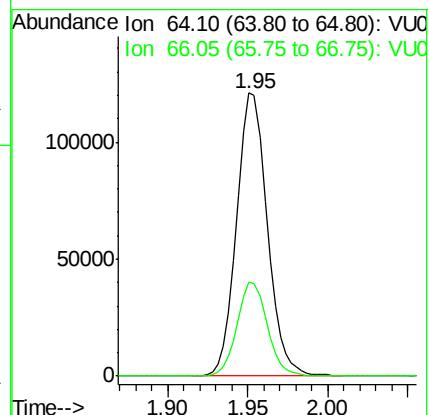
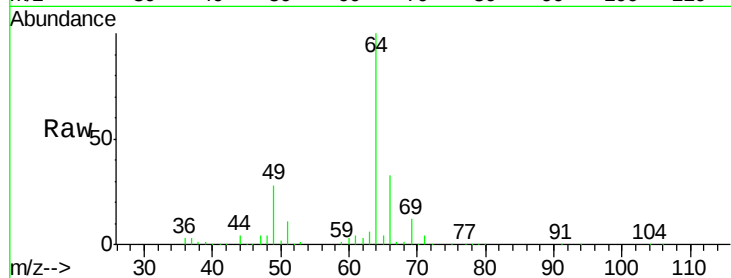
VSTD01002

Tgt Ion: 64 Resp: 157837

Ion Ratio Lower Upper

64 100

66 33.1 23.2 43.2



#9

Trichlorofluoromethane

Concen: 8.761 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU038988.D

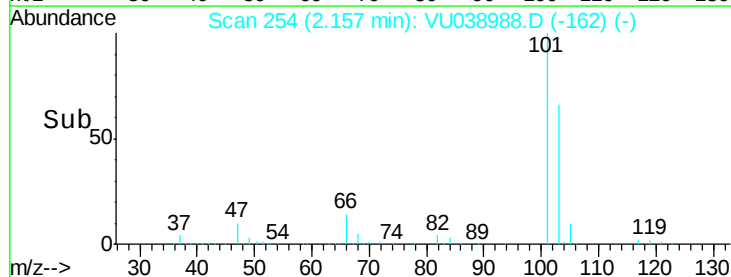
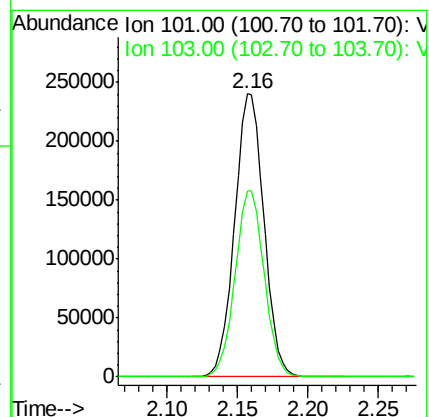
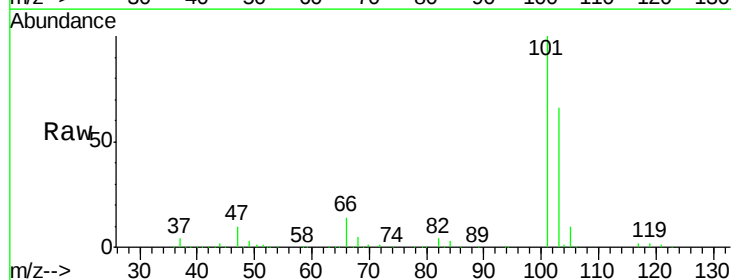
Acq: 19 Jun 2020 16:49

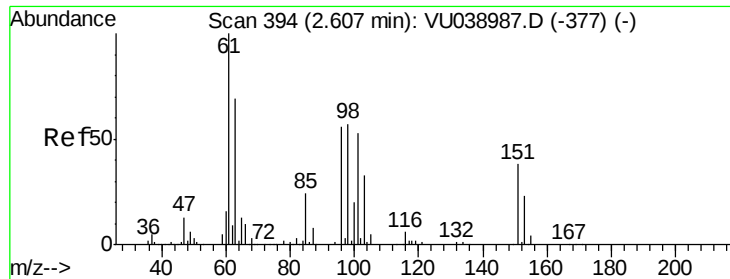
Tgt Ion: 101 Resp: 349115

Ion Ratio Lower Upper

101 100

103 65.6 51.1 76.7





#10

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

Concen: 9.857 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU038988.D

Acq: 19 Jun 2020 16:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD01002

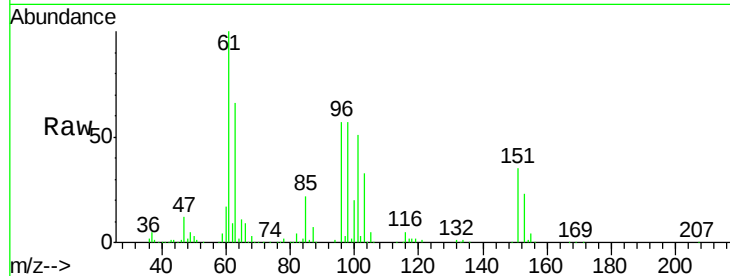
Tgt Ion: 101 Resp: 208586

Ion Ratio Lower Upper

101 100

85 44.4 36.1 54.1

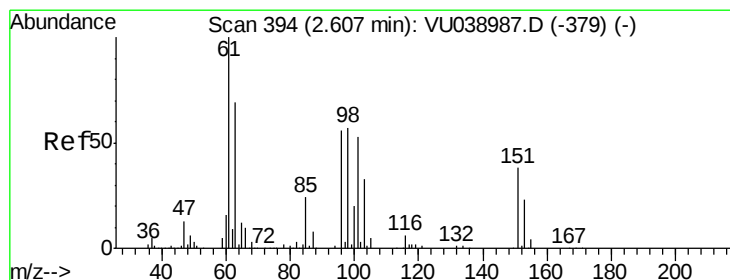
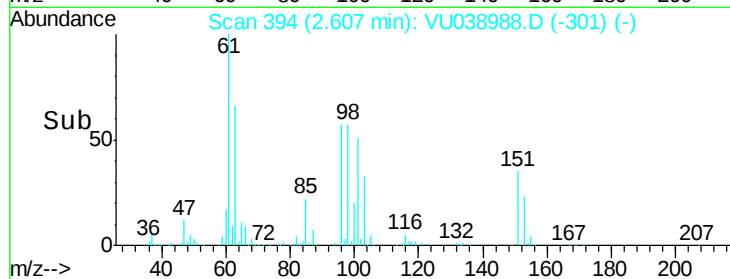
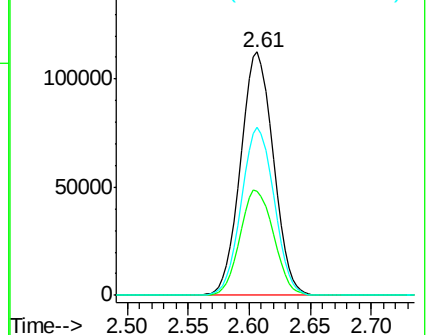
151 69.3 56.2 84.4



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: 10.065 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU038988.D

Acq: 19 Jun 2020 16:49

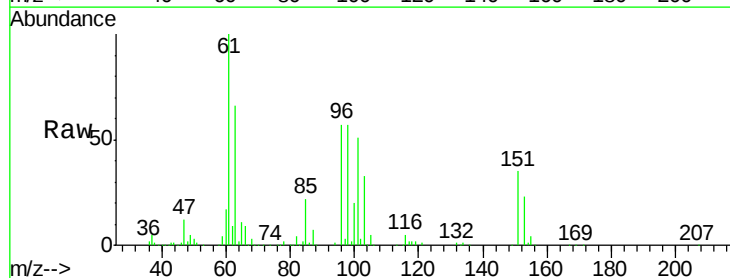
Tgt Ion: 96 Resp: 200534

Ion Ratio Lower Upper

96 100

61 176.2 126.0 234.0

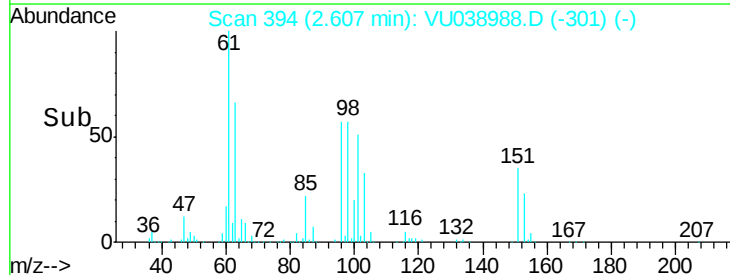
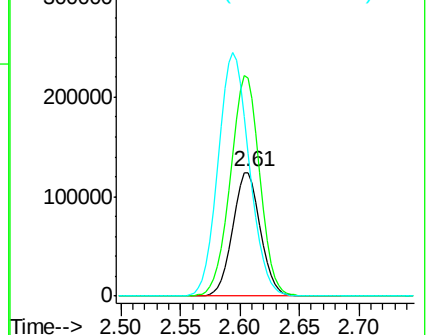
63 115.8 87.2 162.0

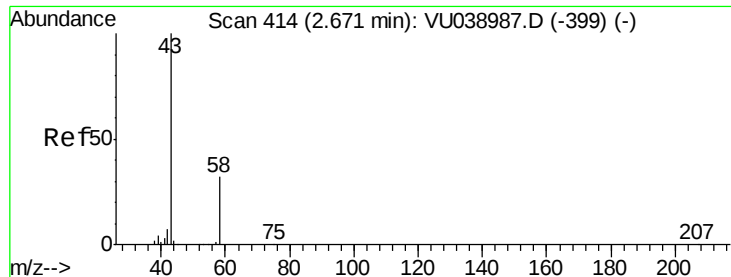


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 102.878 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.00 min

Lab File: VU038988.D

Acq: 19 Jun 2020 16:49

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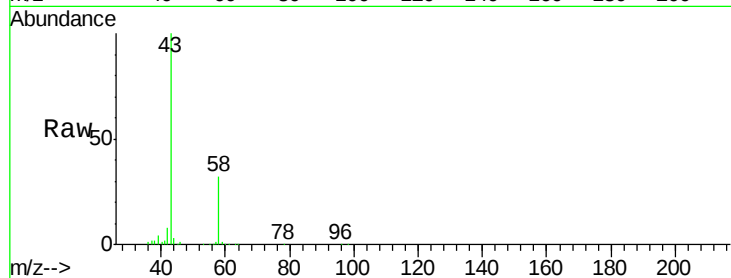
VSTD01002

Tgt Ion: 43 Resp: 452722

Ion Ratio Lower Upper

43 100

58 31.4 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) (-)

2.67

150000

100000

50000

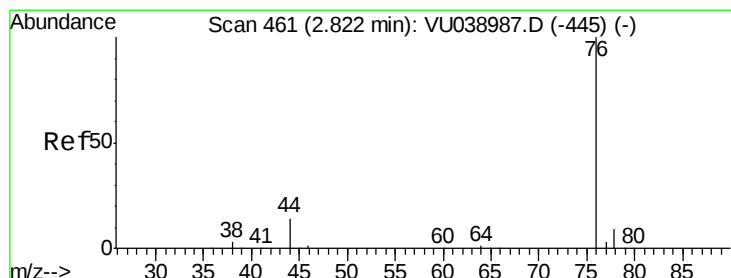
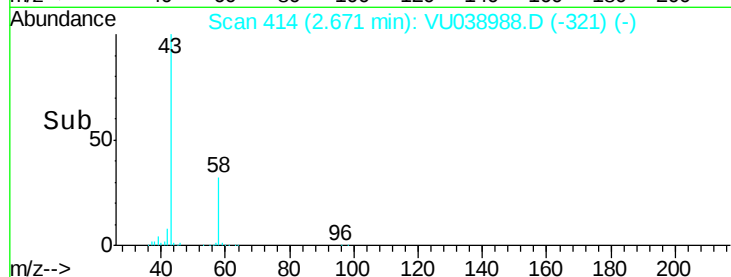
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Time-->

2.60

2.70

2.80



#14

Carbon disulfide

Concen: 9.825 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU038988.D

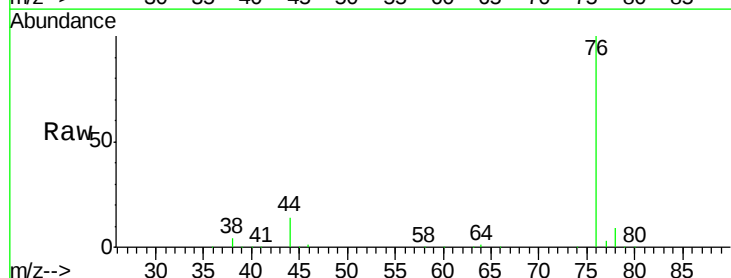
Acq: 19 Jun 2020 16:49

Tgt Ion: 76 Resp: 667031

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) (-)

2.82

400000

300000

200000

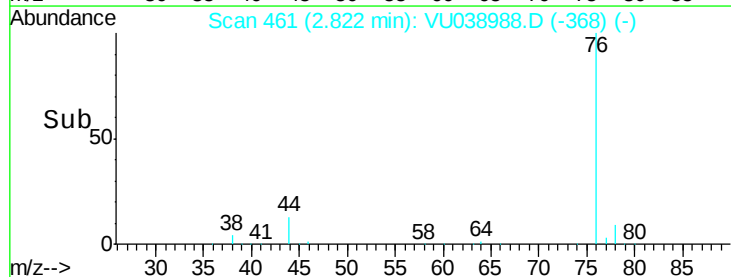
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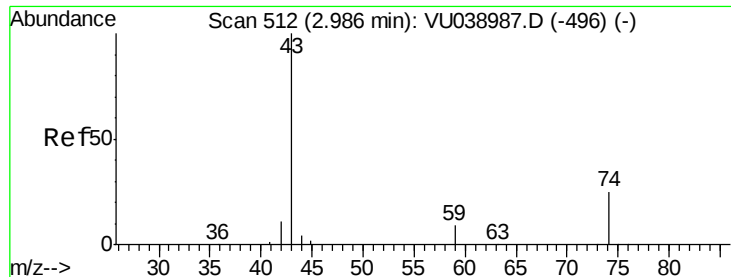
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Time-->

2.80

2.90

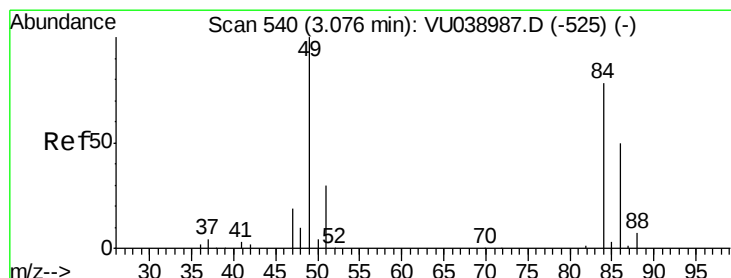
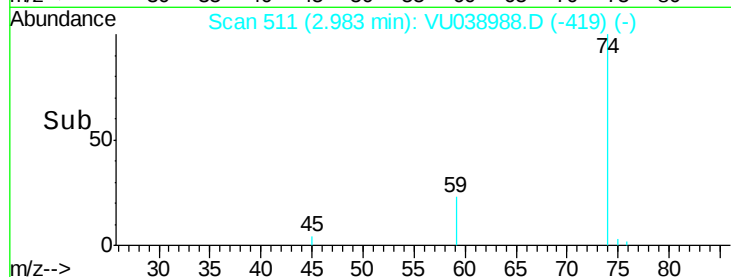
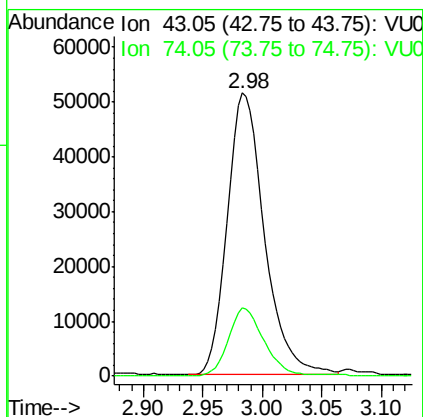
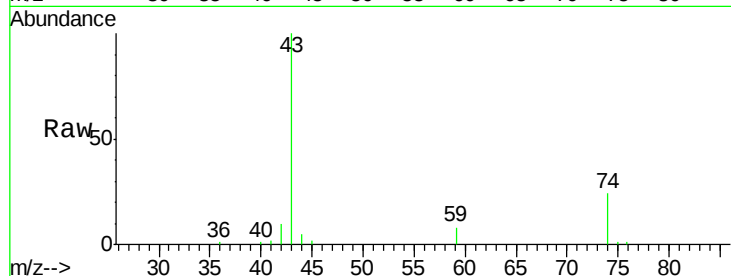




#15
Methyl Acetate
Concen: 10.229 ug/L
RT: 2.98 min Scan# 511
Delta R.T. -0.00 min
Lab File: VU038988.D
Acq: 19 Jun 2020 16:49

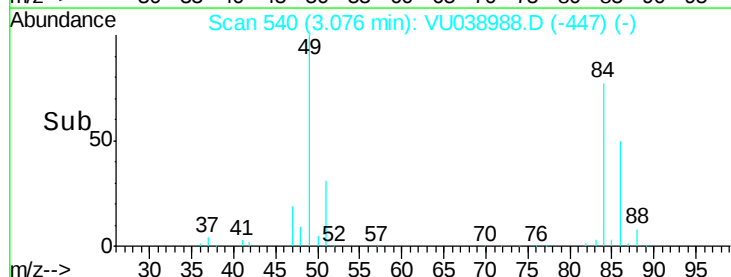
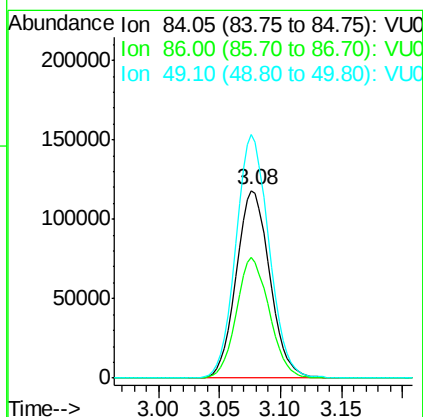
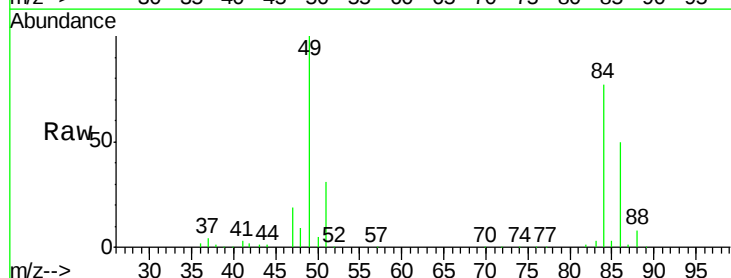
Instrument :
MSVOA_U
ClientSampleId :
VSTD01002

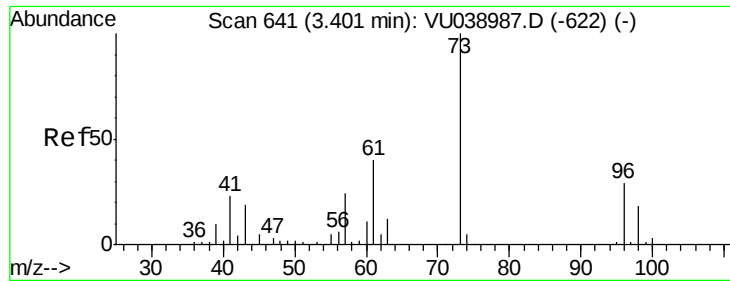
Tgt Ion: 43 Resp: 111571
Ion Ratio Lower Upper
43 100
74 23.2 19.3 28.9



#16
Methylene chloride
Concen: 9.686 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU038988.D
Acq: 19 Jun 2020 16:49

Tgt Ion: 84 Resp: 225025
Ion Ratio Lower Upper
84 100
86 64.2 45.1 83.7
49 129.6 90.3 167.7

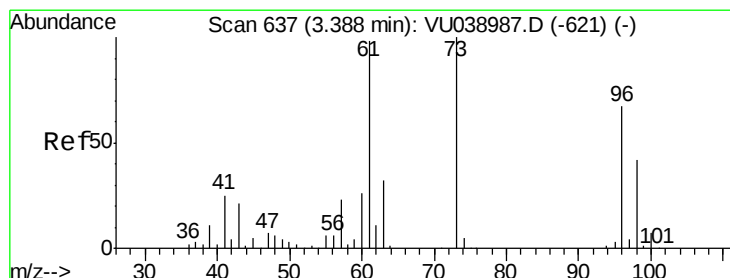
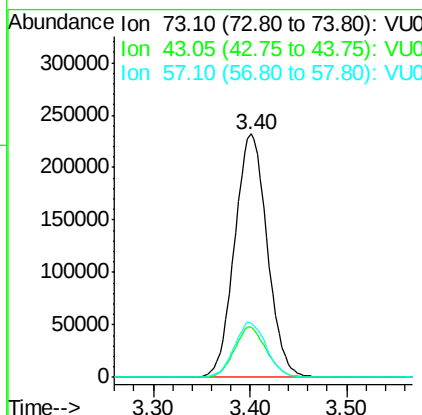
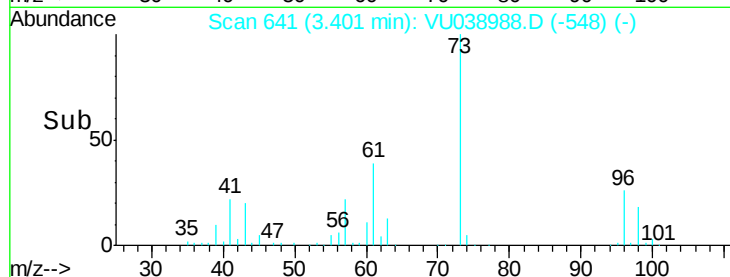
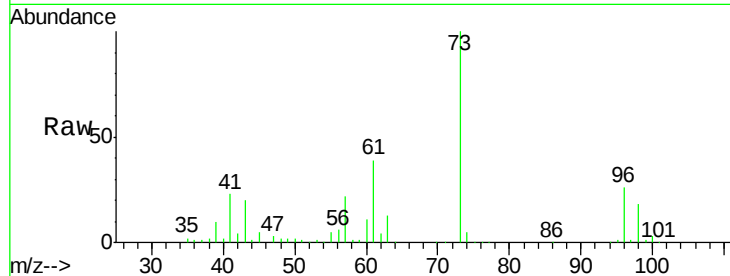




#17
Methyl tert-butyl Ether
Concen: 10.300 ug/L
RT: 3.40 min Scan# 641
Delta R.T. -0.00 min
Lab File: VU038988.D
Acq: 19 Jun 2020 16:49

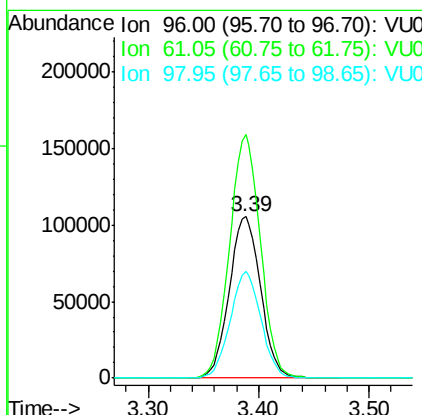
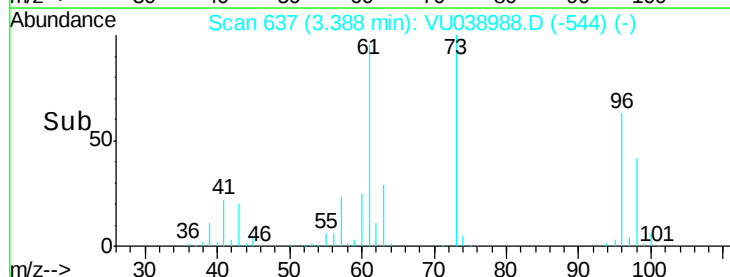
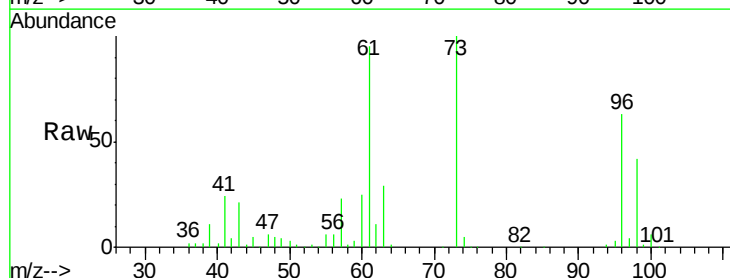
Instrument :
MSVOA_U
ClientSampleId :
VSTD01002

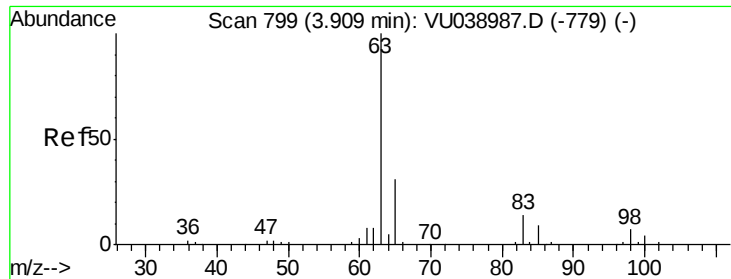
Tgt Ion: 73 Resp: 542462
Ion Ratio Lower Upper
73 100
43 20.2 16.3 24.5
57 22.5 18.1 27.1



#18
trans-1,2-Dichloroethene
Concen: 9.888 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU038988.D
Acq: 19 Jun 2020 16:49

Tgt Ion: 96 Resp: 208219
Ion Ratio Lower Upper
96 100
61 150.9 101.8 189.2
98 66.2 44.0 81.6

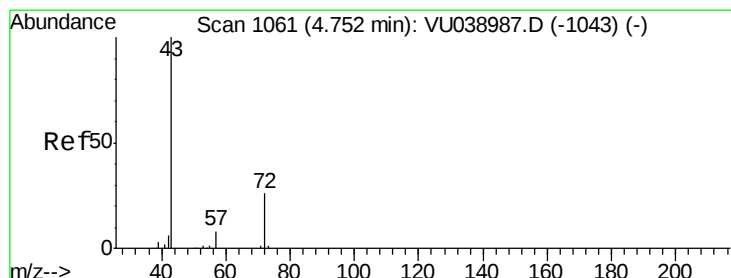
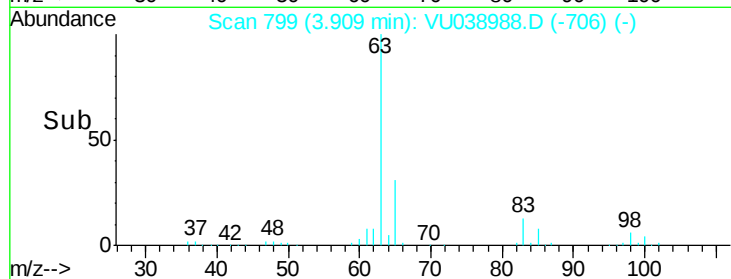
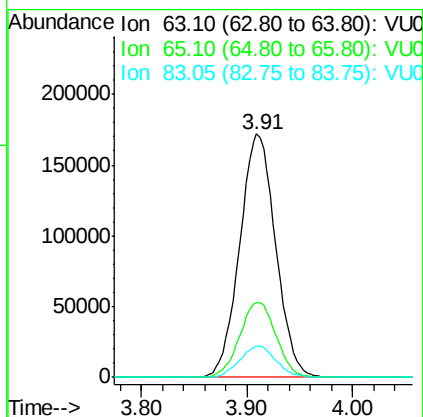
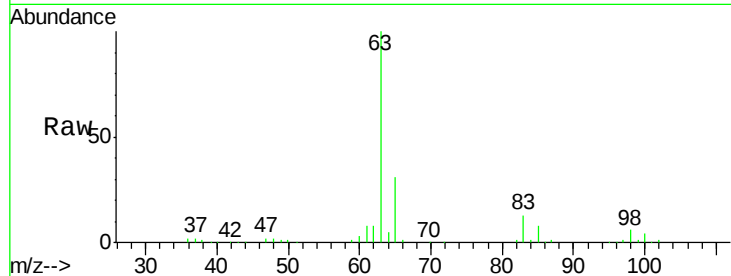




#19
 1,1-Dichloroethane
 Concen: 10.530 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU038988.D
 Acq: 19 Jun 2020 16:49

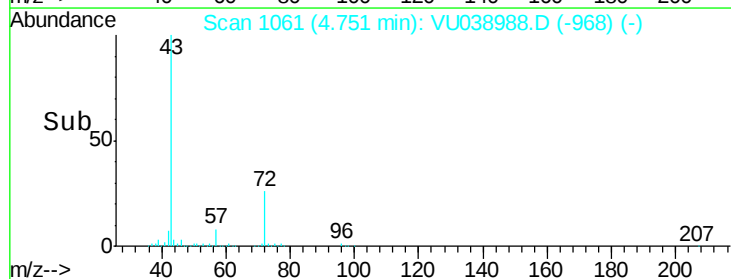
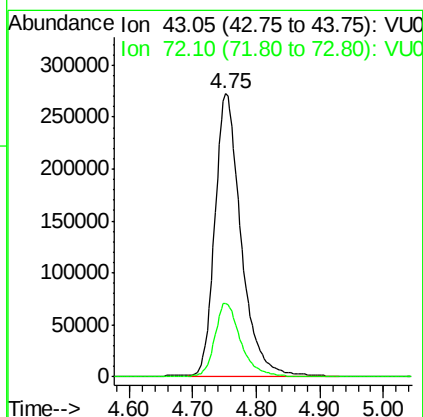
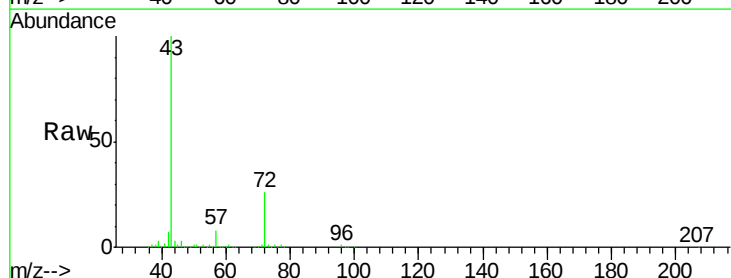
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01002

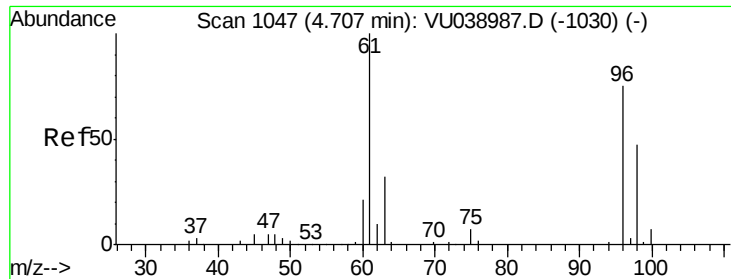
Tgt Ion: 63 Resp: 407209
 Ion Ratio Lower Upper
 63 100
 65 30.8 21.5 39.9
 83 13.0 9.6 17.8



#21
 2-Butanone
 Concen: 111.218 ug/L
 RT: 4.75 min Scan# 1061
 Delta R.T. -0.00 min
 Lab File: VU038988.D
 Acq: 19 Jun 2020 16:49

Tgt Ion: 43 Resp: 771366
 Ion Ratio Lower Upper
 43 100
 72 26.3 13.0 38.9

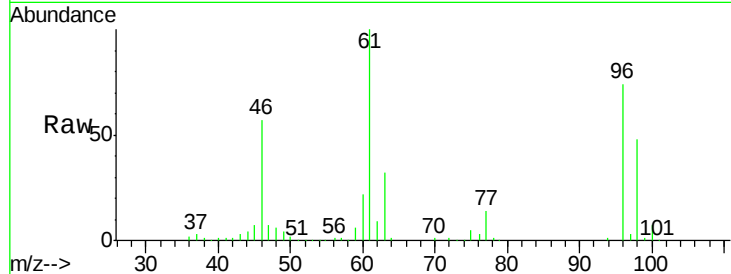




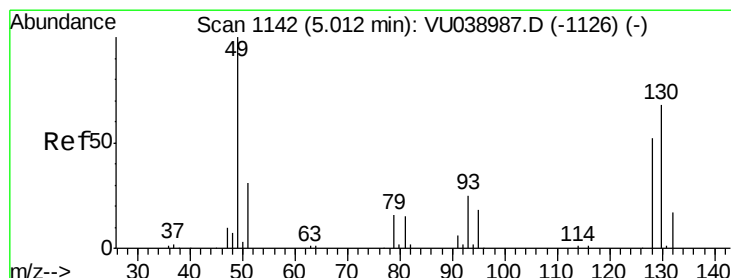
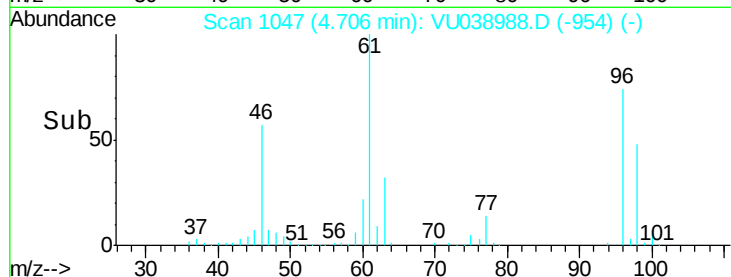
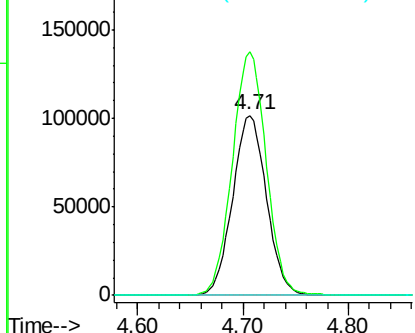
#22
 cis-1,2-Dichloroethene
 Concen: 10.447 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU038988.D
 Acq: 19 Jun 2020 16:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01002

Tgt Ion: 96 Resp: 225893
 Ion Ratio Lower Upper
 96 100
 61 135.3 94.0 174.6
 68 0.0 0.0 0.0

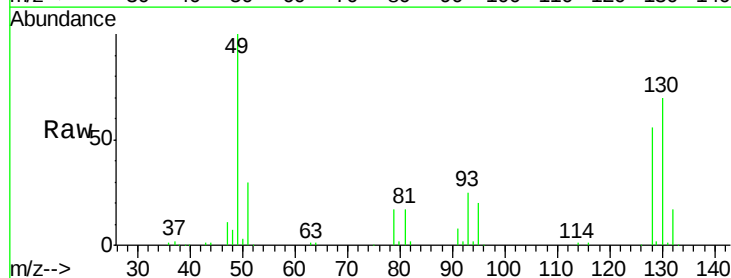


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

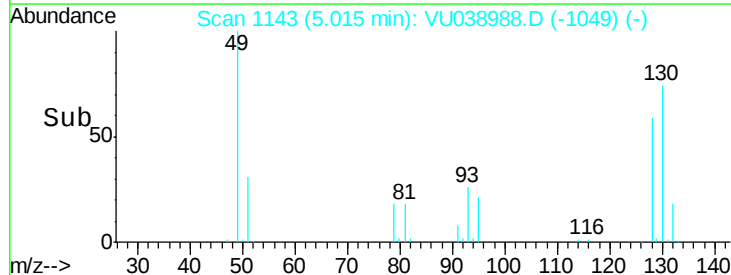
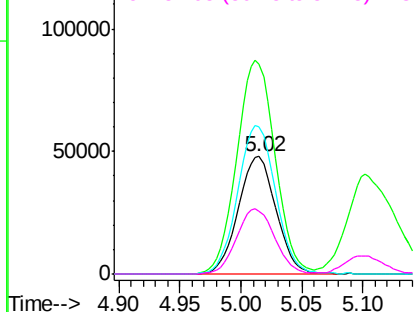


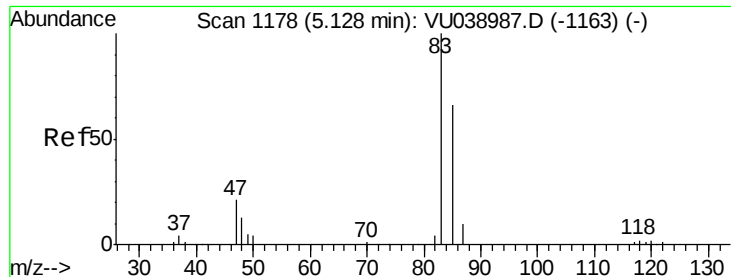
#23
 Bromochloromethane
 Concen: 10.052 ug/L
 RT: 5.02 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VU038988.D
 Acq: 19 Jun 2020 16:49

Tgt Ion: 128 Resp: 102485
 Ion Ratio Lower Upper
 128 100
 49 179.4 134.5 249.9
 130 125.6 91.6 170.2
 51 53.6 47.4 71.0



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

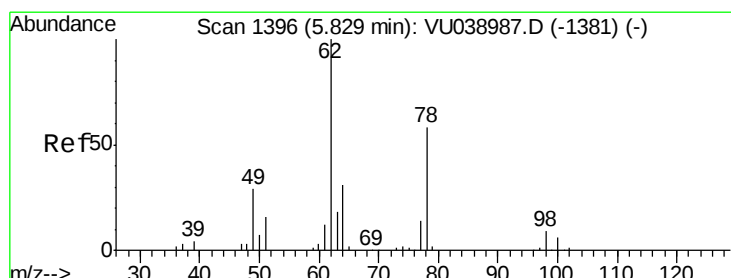
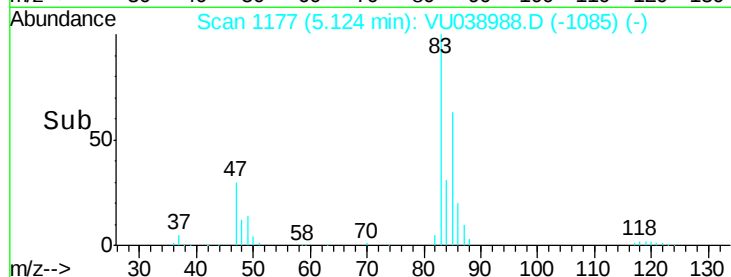
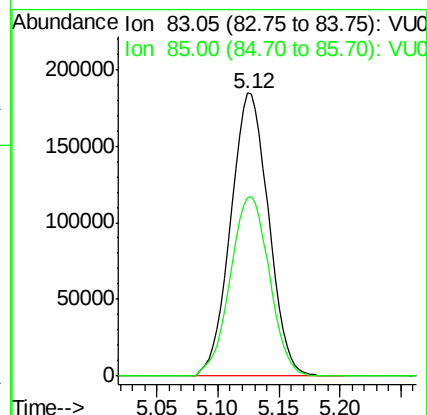
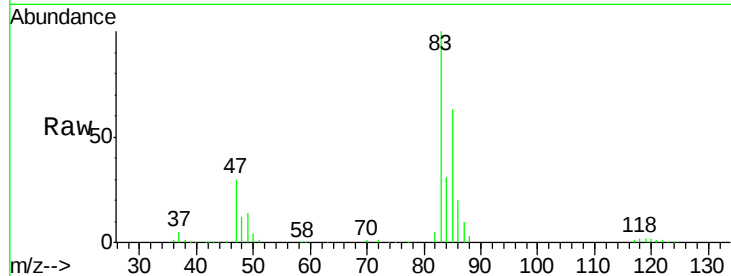




#25
Chloroform
Concen: 10.187 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU038988.D
Acq: 19 Jun 2020 16:49

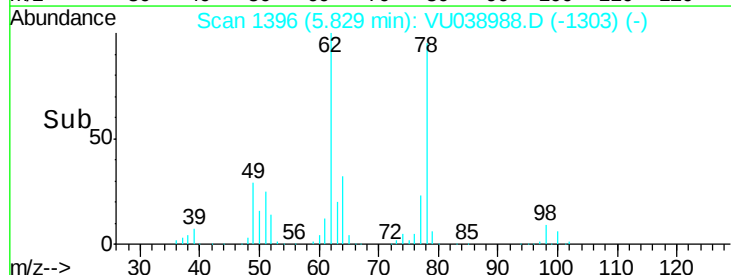
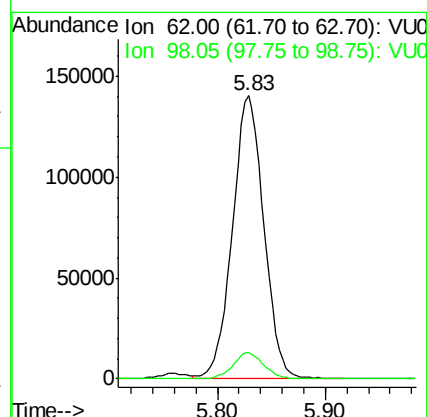
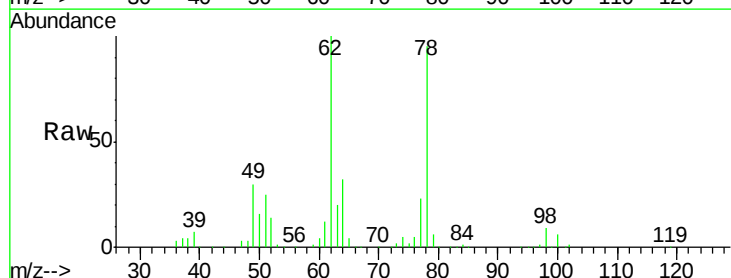
Instrument :
MSVOA_U
ClientSampleId :
VSTD01002

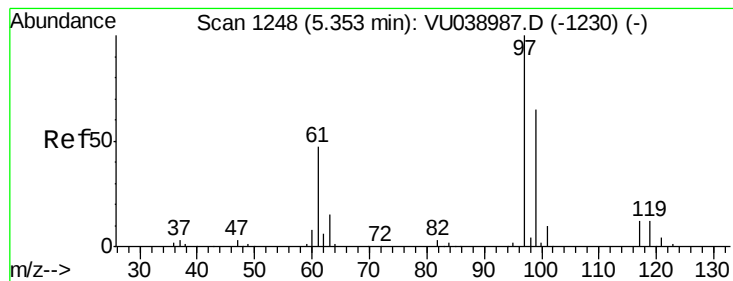
Tgt Ion: 83 Resp: 398258
Ion Ratio Lower Upper
83 100
85 63.2 47.0 87.2



#27
1,2-Dichloroethane
Concen: 9.976 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU038988.D
Acq: 19 Jun 2020 16:49

Tgt Ion: 62 Resp: 283554
Ion Ratio Lower Upper
62 100
98 9.1 7.2 10.8





#29

1,1,1-Trichloroethane

Concen: 9.900 ug/L

RT: 5.35 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VU038988.D

Acq: 19 Jun 2020 16:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD01002

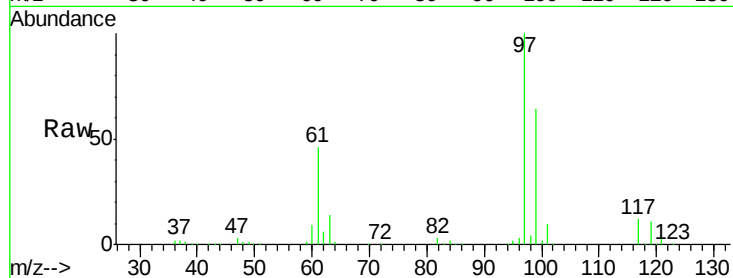
Tgt Ion: 97 Resp: 349399

Ion Ratio Lower Upper

97 100

99 64.4 52.2 78.4

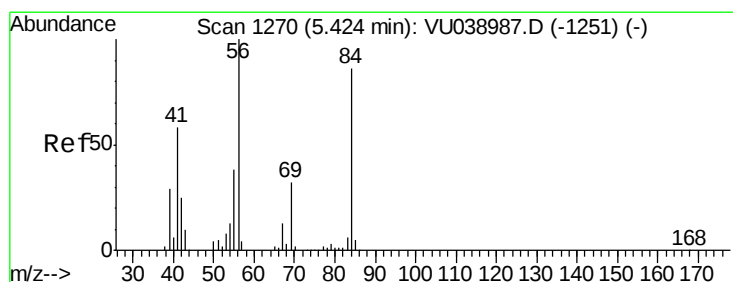
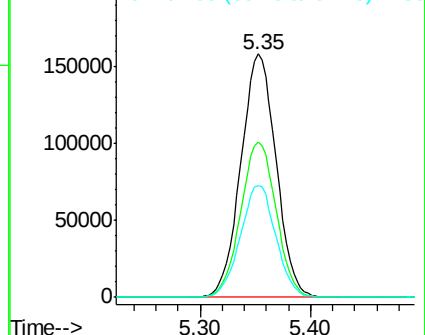
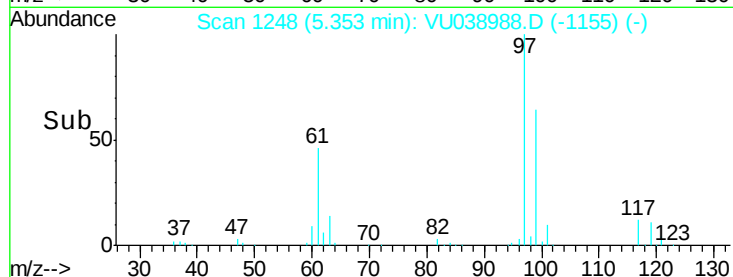
61 46.3 36.9 55.3



Abundance Ion 96.95 (96.65 to 97.65): VU038988.D (-1155) (-)

Ion 99.05 (98.75 to 99.75): VU038988.D (-1155) (-)

Ion 61.05 (60.75 to 61.75): VU038988.D (-1155) (-)



#30

Cyclohexane

Concen: 10.522 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VU038988.D

Acq: 19 Jun 2020 16:49

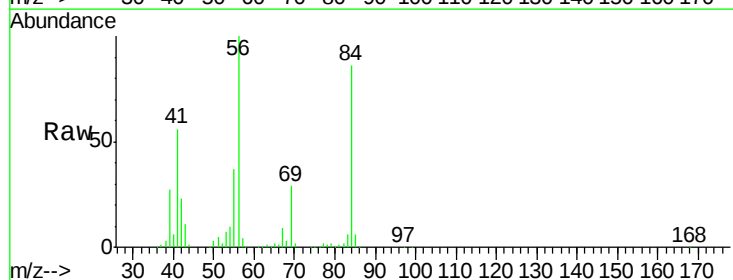
Tgt Ion: 56 Resp: 357573

Ion Ratio Lower Upper

56 100

69 29.9 24.6 37.0

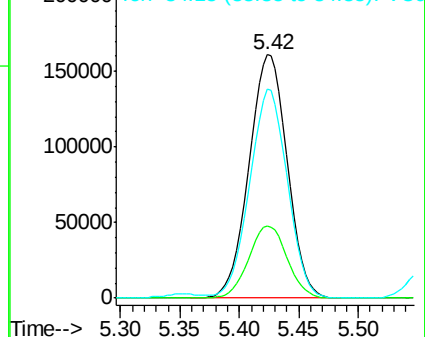
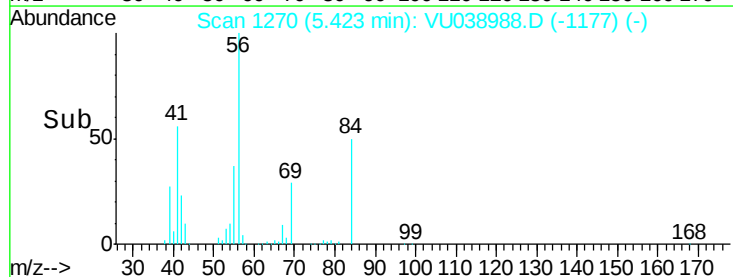
84 85.1 66.8 100.2

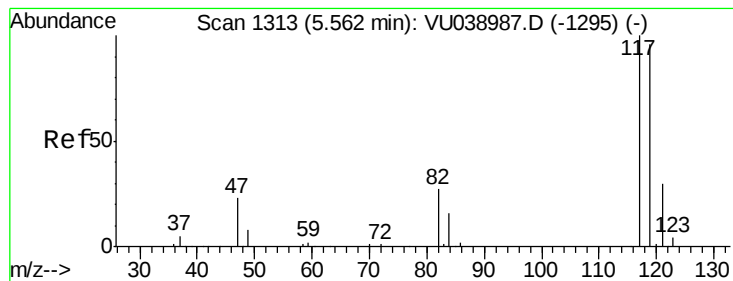


Abundance Ion 56.10 (55.80 to 56.80): VU038988.D (-1177) (-)

Ion 69.15 (68.85 to 69.85): VU038988.D (-1177) (-)

Ion 84.15 (83.85 to 84.85): VU038988.D (-1177) (-)





#31

Carbon tetrachloride

Concen: 9.427 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU038988.D

Acq: 19 Jun 2020 16:49

Instrument :

MSVOA_U

ClientSampleId :

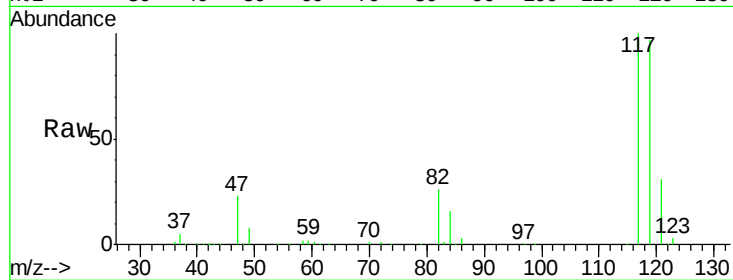
VSTD01002

Tgt Ion:117 Resp: 292024

Ion Ratio Lower Upper

117 100

119 96.5 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

150000

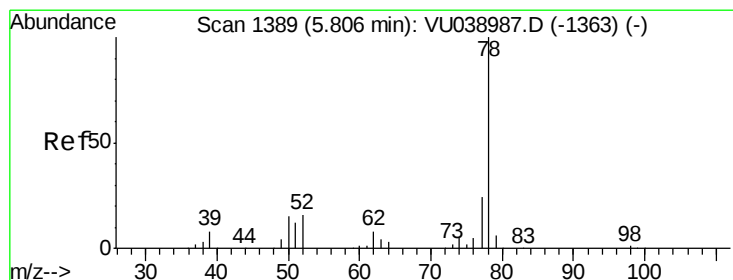
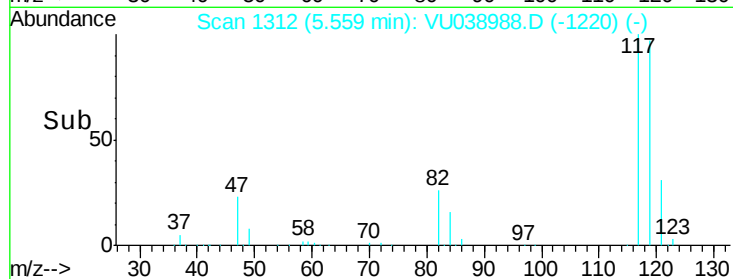
100000

50000

0

Time-->

5.45 5.50 5.55 5.60 5.65



#33

Benzene

Concen: 10.508 ug/L

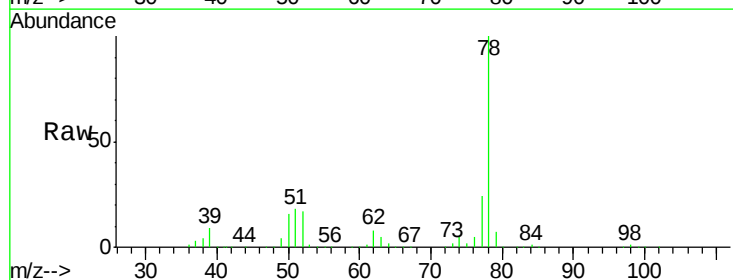
RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VU038988.D

Acq: 19 Jun 2020 16:49

Tgt Ion: 78 Resp: 905990



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.81

500000

400000

300000

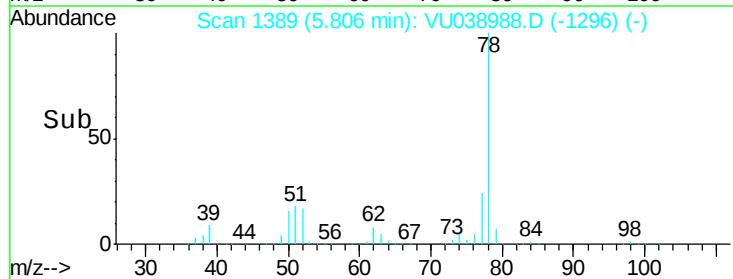
200000

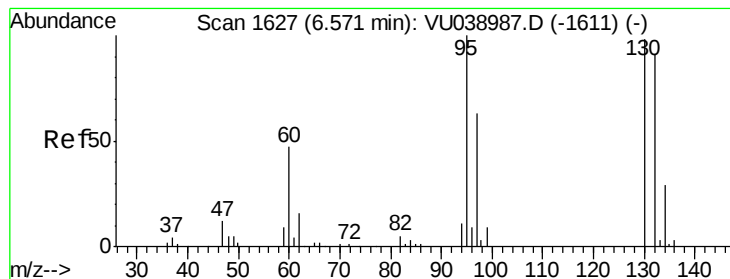
100000

0

Time-->

5.70 5.80 5.90





#34

Trichloroethene

Concen: 10.014 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038988.D

Acq: 19 Jun 2020 16:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD01002

Tgt Ion: 95 Resp: 216594

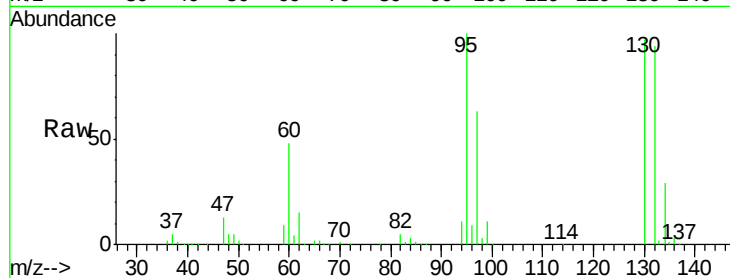
Ion Ratio Lower Upper

95 100

97 63.0 44.0 81.6

132 94.0 63.6 118.0

130 97.0 68.3 126.8

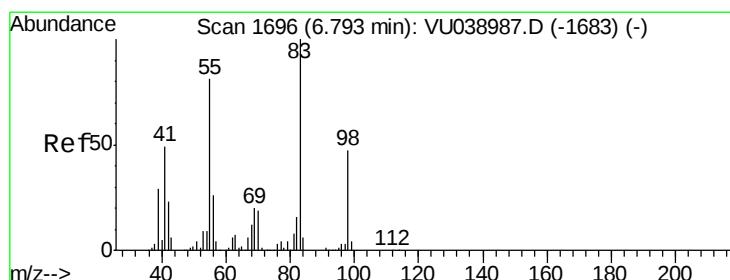
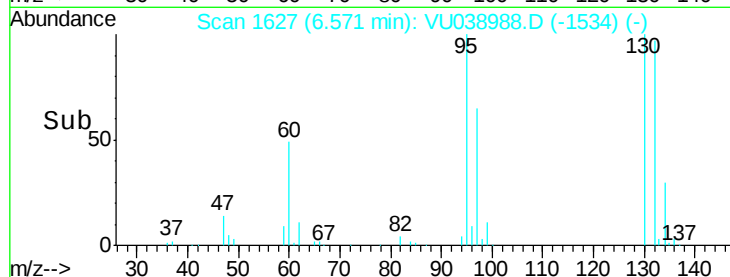
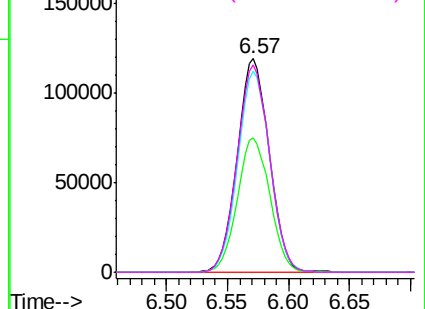


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 10.390 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. -0.00 min

Lab File: VU038988.D

Acq: 19 Jun 2020 16:49

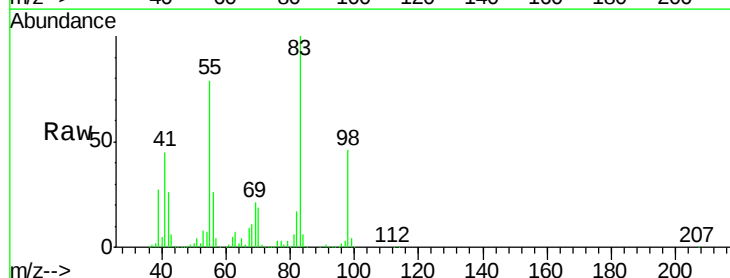
Tgt Ion: 83 Resp: 359265

Ion Ratio Lower Upper

83 100

55 79.1 64.2 96.2

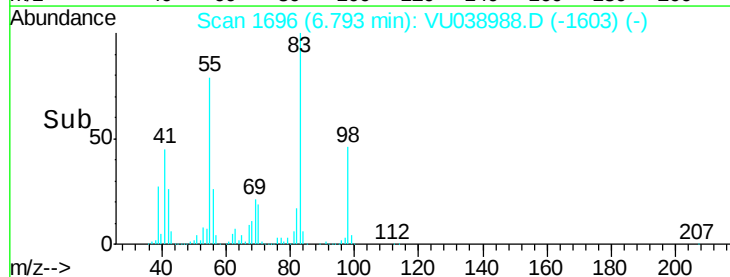
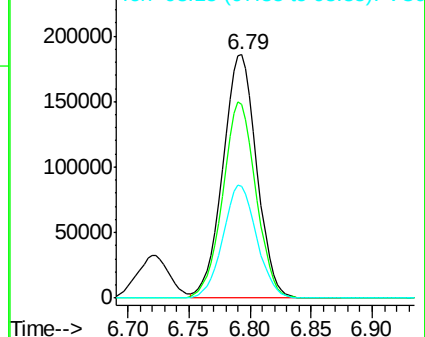
98 46.4 37.3 55.9

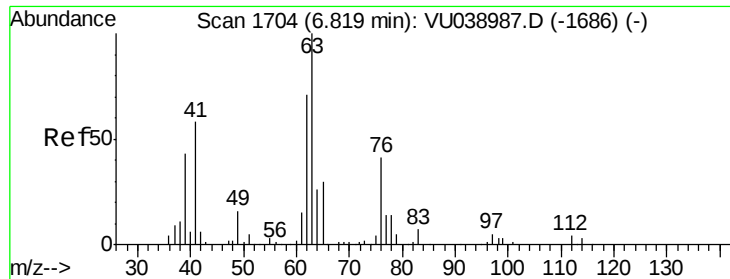


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

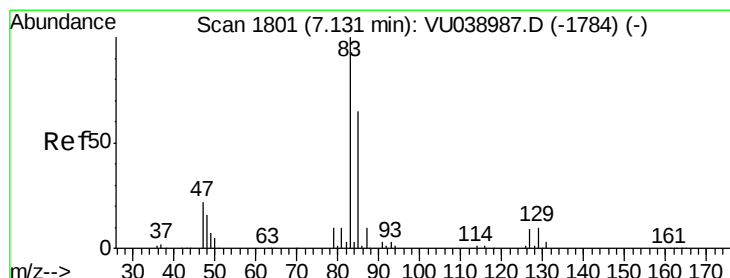
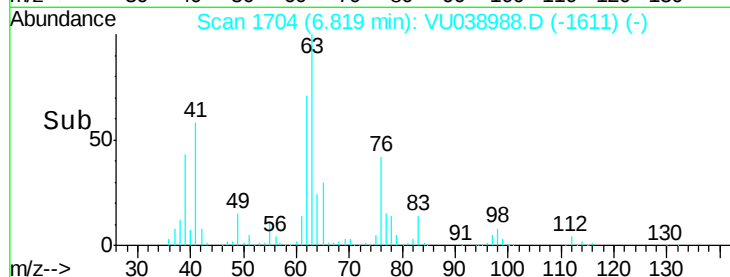
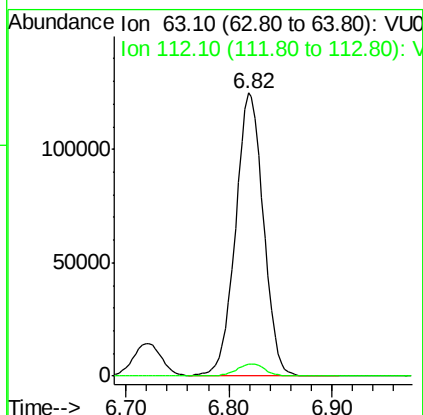
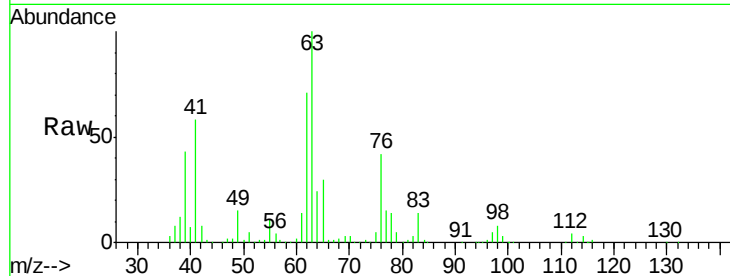




#37
 1,2-Dichloropropane
 Concen: 10.395 ug/L
 RT: 6.82 min Scan# 1704
 Delta R.T. -0.00 min
 Lab File: VU038988.D
 Acq: 19 Jun 2020 16:49

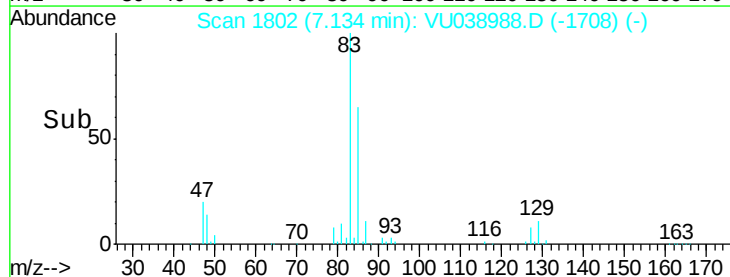
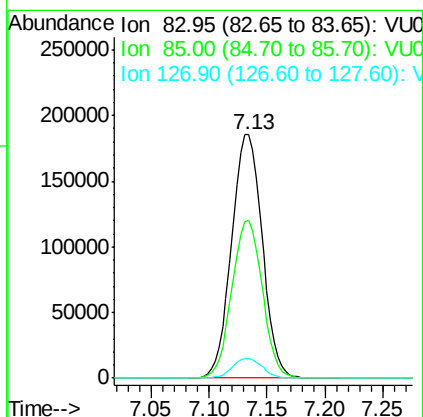
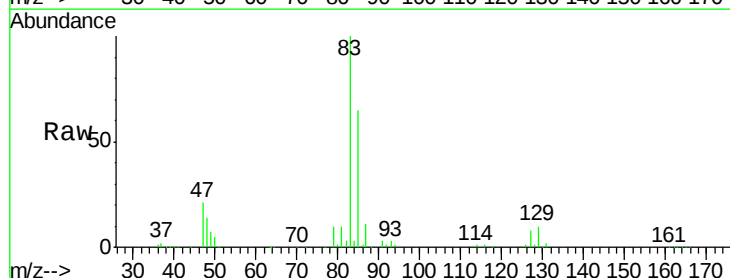
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01002

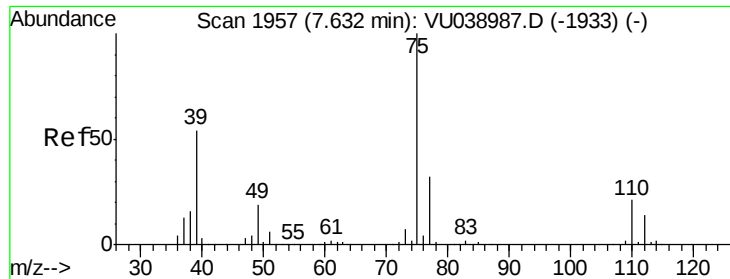
Tgt Ion: 63 Resp: 234919
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.6 5.4



#38
 Bromodichloromethane
 Concen: 11.291 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VU038988.D
 Acq: 19 Jun 2020 16:49

Tgt Ion: 83 Resp: 339975
 Ion Ratio Lower Upper
 83 100
 85 64.7 45.5 84.5
 127 7.9 6.8 10.2

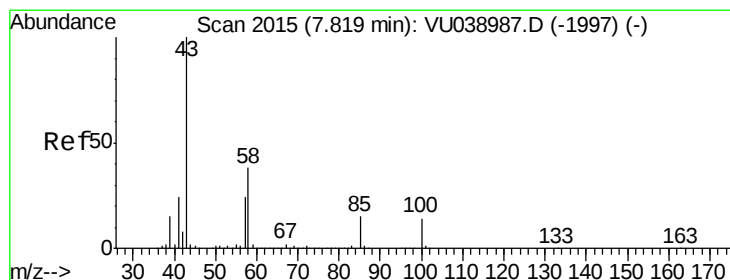
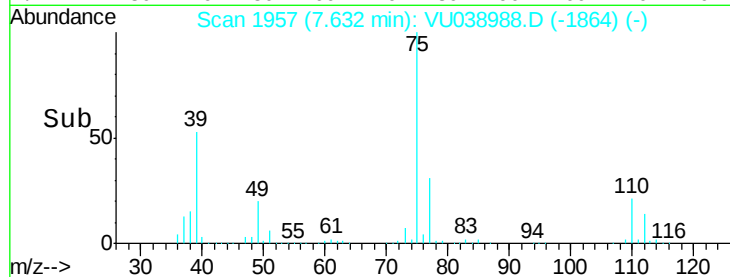
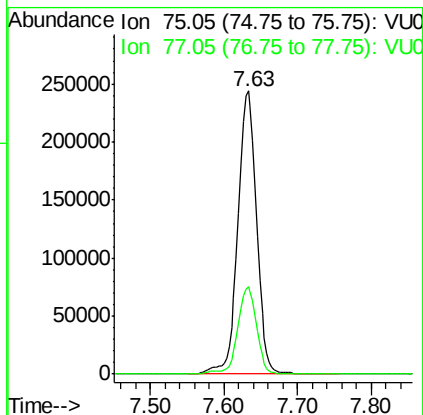
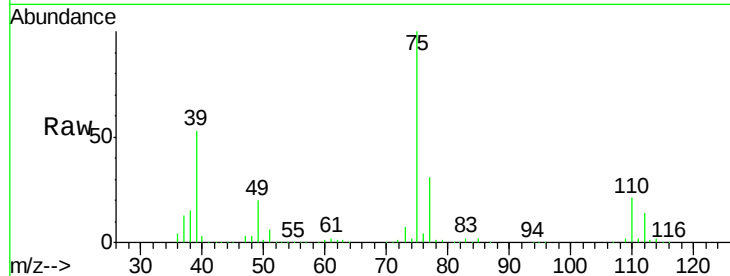




#39
 cis-1,3-Dichloropropene
 Concen: 12.777 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU038988.D
 Acq: 19 Jun 2020 16:49

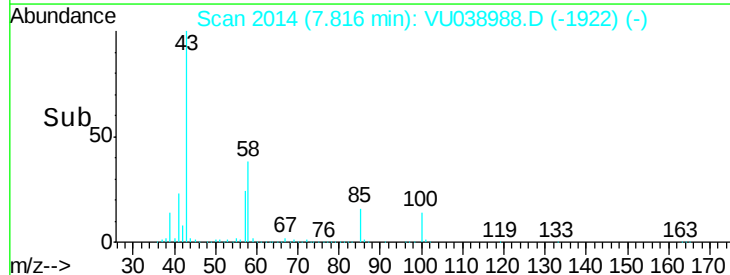
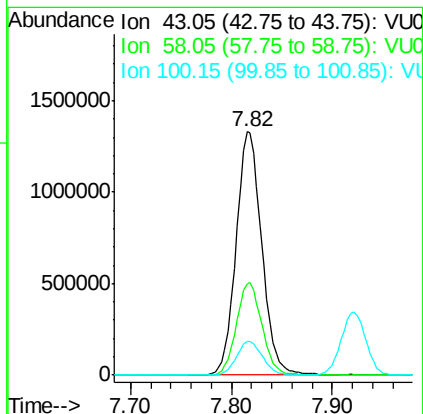
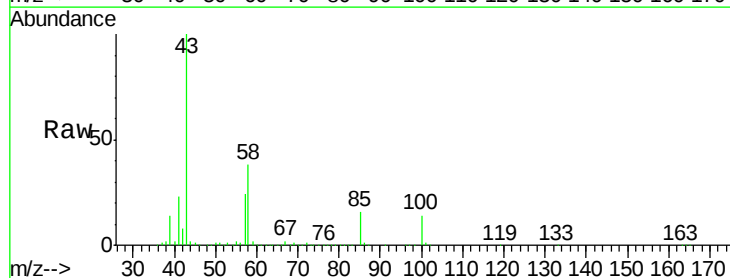
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01002

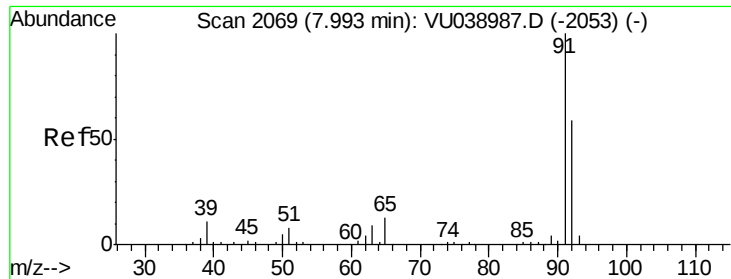
Tgt Ion: 75 Resp: 434336
 Ion Ratio Lower Upper
 75 100
 77 30.8 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 140.777 ug/L
 RT: 7.82 min Scan# 2014
 Delta R.T. -0.00 min
 Lab File: VU038988.D
 Acq: 19 Jun 2020 16:49

Tgt Ion: 43 Resp: 2346743
 Ion Ratio Lower Upper
 43 100
 58 37.9 29.5 44.3
 100 14.0 11.0 16.4





#42

Toluene

Concen: 11.672 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038988.D

Acq: 19 Jun 2020 16:49

Instrument :

MSVOA_U

ClientSampleId :

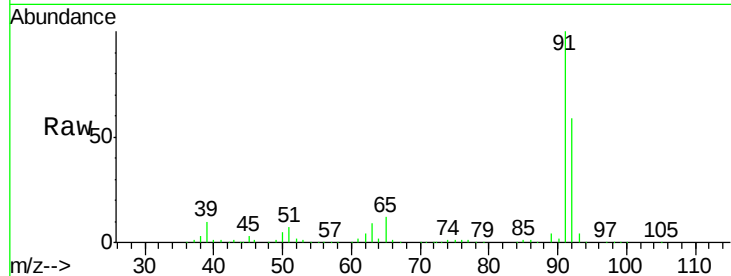
VSTD01002

Tgt Ion: 91 Resp: 1072352

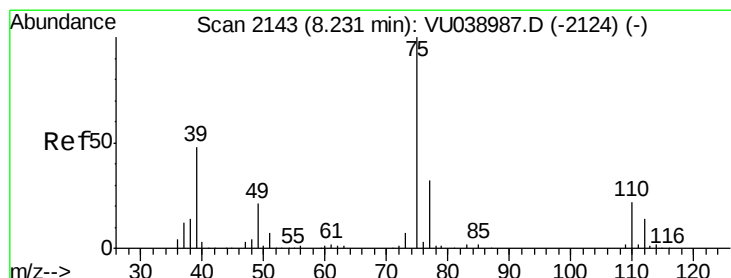
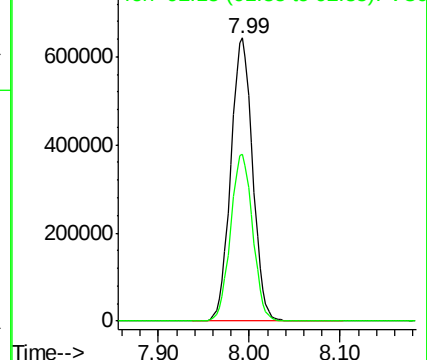
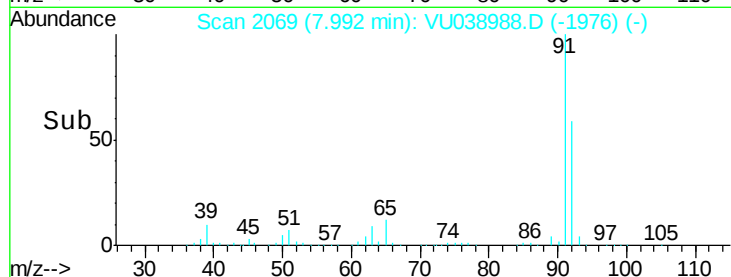
Ion Ratio Lower Upper

91 100

92 59.0 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VU038988.D (-1976) (-)



#44

trans-1,3-Dichloropropene

Concen: 9.941 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VU038988.D

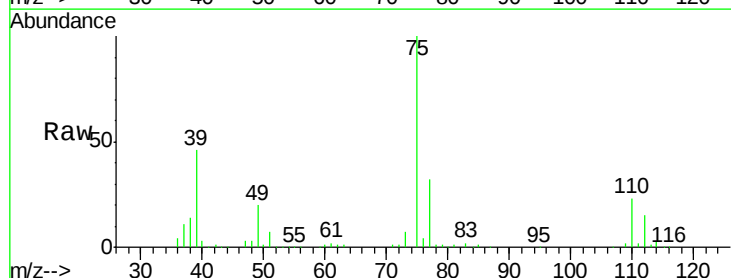
Acq: 19 Jun 2020 16:49

Tgt Ion: 75 Resp: 313962

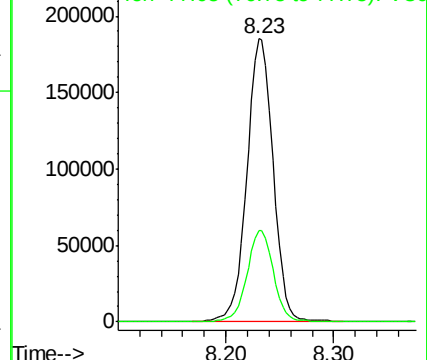
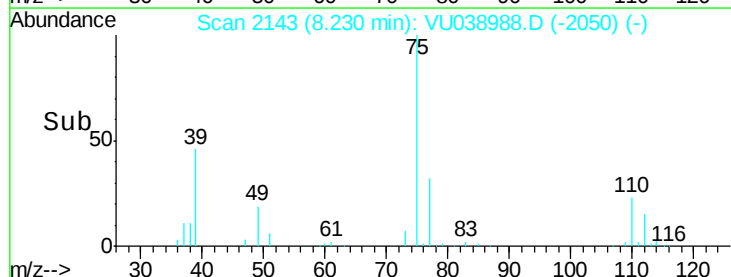
Ion Ratio Lower Upper

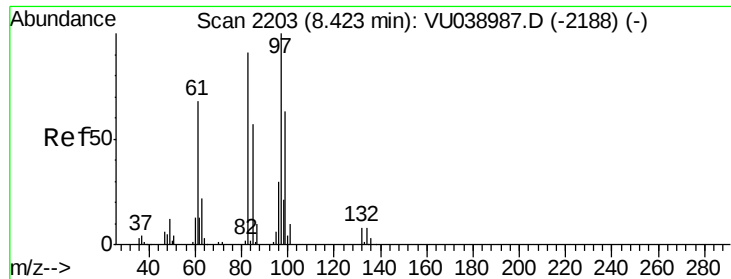
75 100

77 32.3 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VU038988.D (-2050) (-)





#45

1,1,2-Trichloroethane

Concen: 9.954 ug/L

RT: 8.42 min Scan# 2202

Delta R.T. -0.00 min

Lab File: VU038988.D

Acq: 19 Jun 2020 16:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD01002

Tgt Ion: 97 Resp: 171712

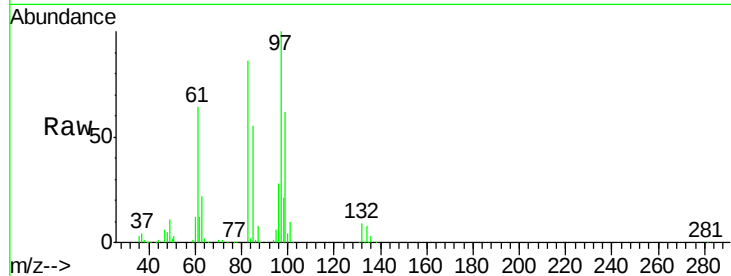
Ion Ratio Lower Upper

97 100

99 61.9 44.0 81.8

83 86.1 63.6 118.0

85 55.0 39.7 73.7



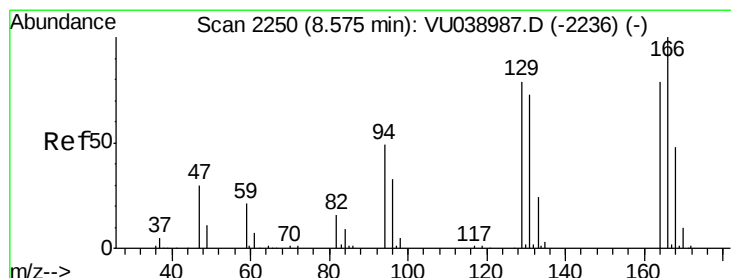
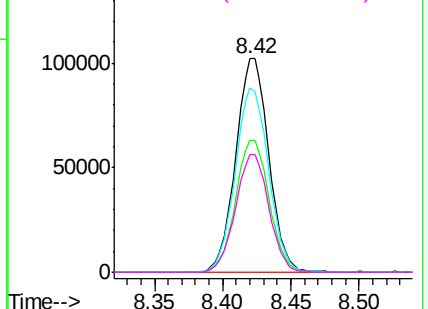
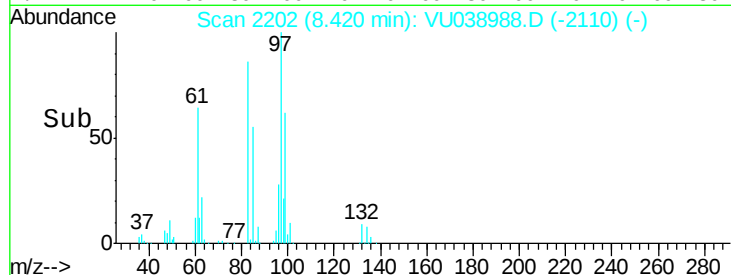
Abundance

Ion 96.95 (96.65 to 97.65): VU038988.D (-2110) (-)

Ion 99.05 (98.75 to 99.75): VU038988.D (-2110) (-)

Ion 82.95 (82.65 to 83.65): VU038988.D (-2110) (-)

Ion 85.00 (84.70 to 85.70): VU038988.D (-2110) (-)



#47

Tetrachloroethene

Concen: 9.657 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU038988.D

Acq: 19 Jun 2020 16:49

Tgt Ion: 164 Resp: 161414

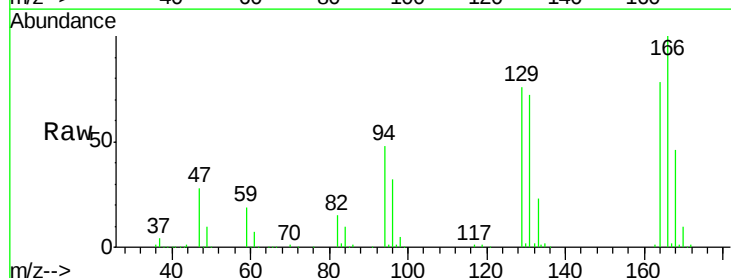
Ion Ratio Lower Upper

164 100

129 96.8 69.7 129.5

131 92.3 65.0 120.8

166 127.7 88.5 164.4



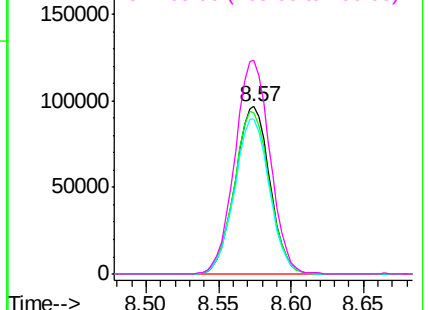
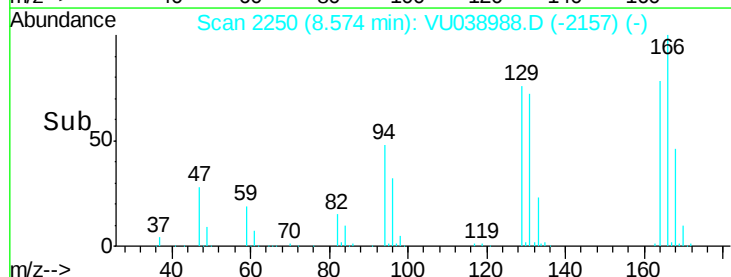
Abundance

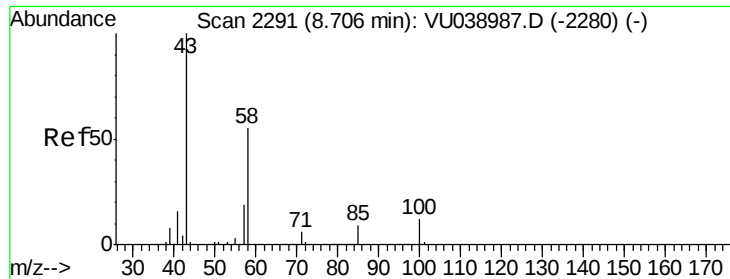
Ion 163.90 (163.60 to 164.60): VU038988.D (-2157) (-)

Ion 128.95 (128.65 to 129.65): VU038988.D (-2157) (-)

Ion 130.95 (130.65 to 131.65): VU038988.D (-2157) (-)

Ion 165.90 (165.60 to 166.60): VU038988.D (-2157) (-)



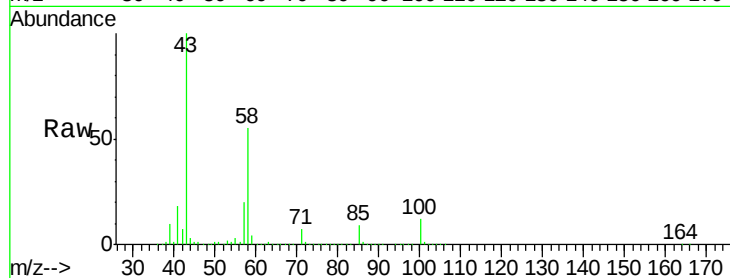


#48
2-Hexanone
Concen: 113.196 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038988.D
Acq: 19 Jun 2020 16:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD01002

Tgt Ion: 43 Resp: 1348804

Ion	Ratio	Lower	Upper
43	100		
58	54.8	43.2	64.8
57	19.6	15.2	22.8
100	12.2	9.5	14.3

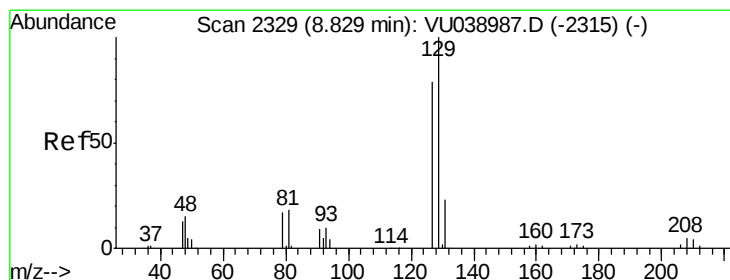
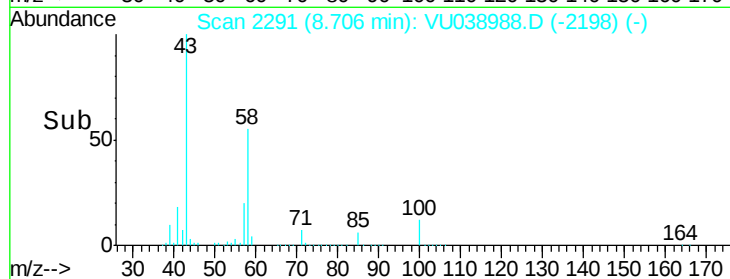
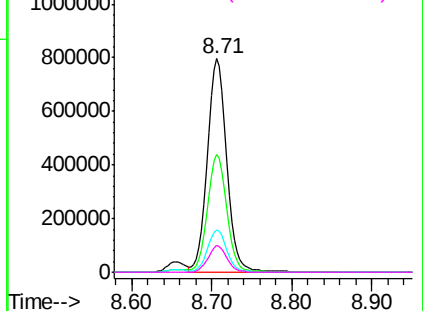


Abundance Ion 43.05 (42.75 to 43.75): VU038988.D (-2280) (-)

Ion 58.05 (57.75 to 58.75): VU038988.D (-2280) (-)

Ion 57.20 (56.90 to 57.90): VU038988.D (-2280) (-)

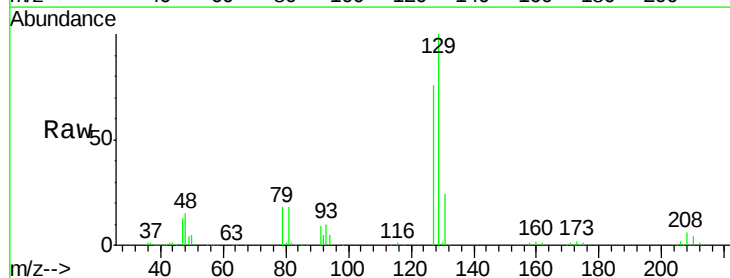
Ion 100.15 (99.85 to 100.85): VU038988.D (-2280) (-)



#49
Dibromochloromethane
Concen: 9.879 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU038988.D
Acq: 19 Jun 2020 16:49

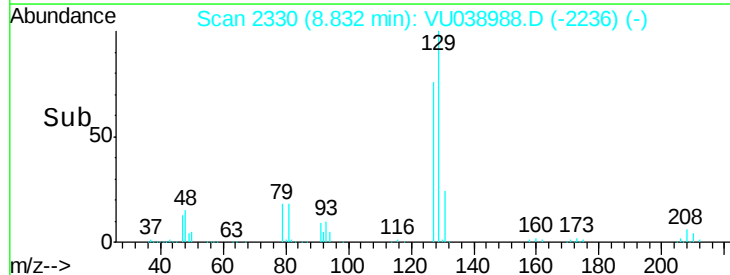
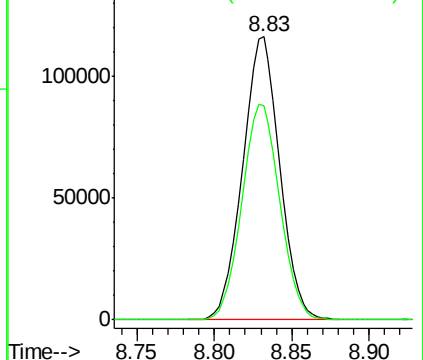
Tgt Ion: 129 Resp: 194087

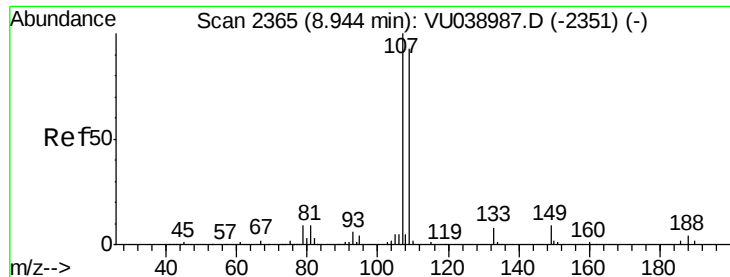
Ion	Ratio	Lower	Upper
129	100		
127	75.8	55.1	102.3



Abundance Ion 128.95 (128.65 to 129.65): VU038988.D (-2330) (-)

Ion 126.90 (126.60 to 127.60): VU038988.D (-2330) (-)

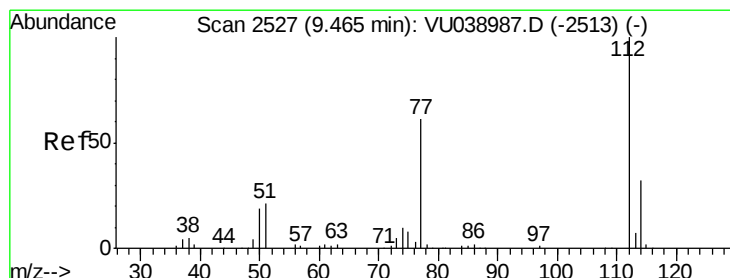
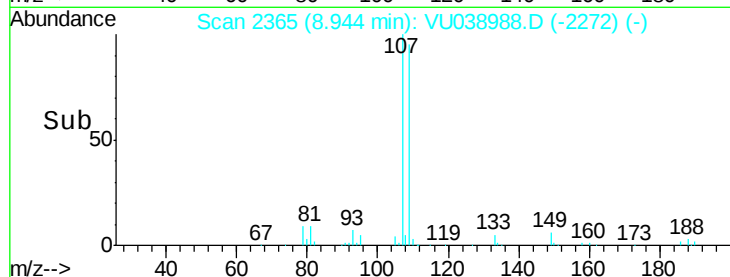
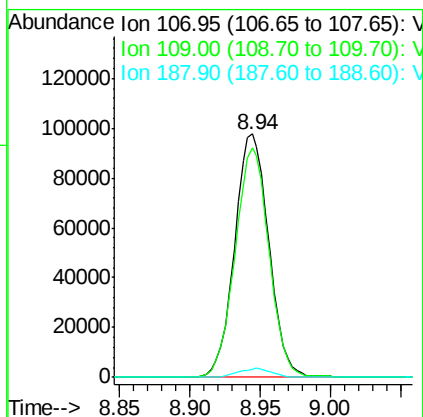
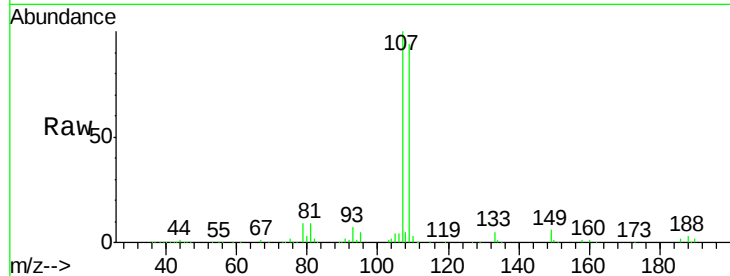




#50
1,2-Dibromoethane
Concen: 9.981 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. -0.00 min
Lab File: VU038988.D
Acq: 19 Jun 2020 16:49

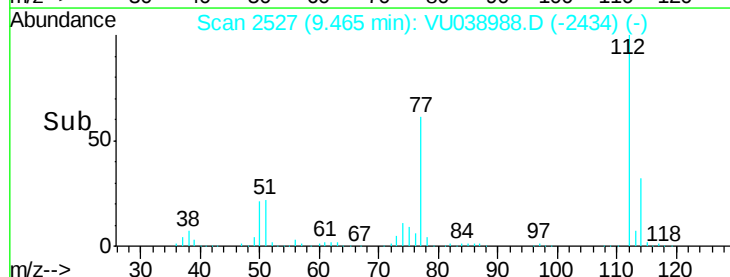
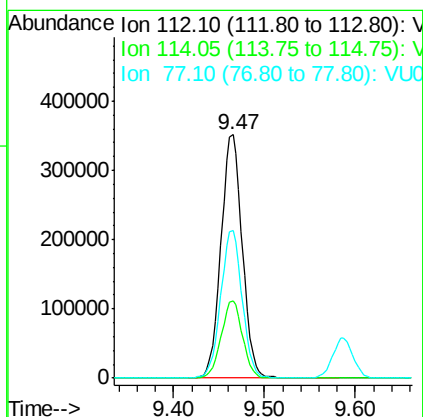
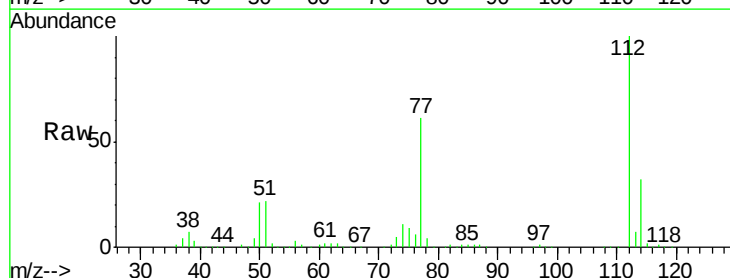
Instrument :
MSVOA_U
ClientSampleId :
VSTD01002

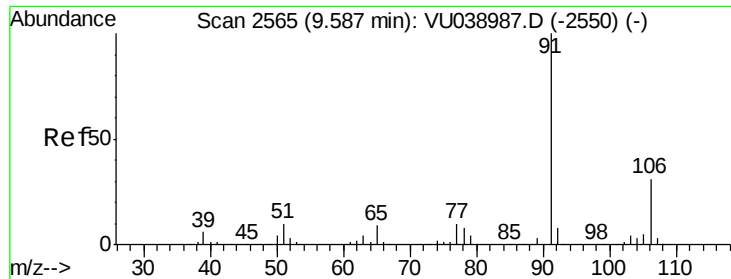
Tgt Ion:107 Resp: 166036
Ion Ratio Lower Upper
107 100
109 94.4 65.5 121.6
188 3.4 3.0 4.4



#51
Chlorobenzene
Concen: 9.949 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU038988.D
Acq: 19 Jun 2020 16:49

Tgt Ion:112 Resp: 570991
Ion Ratio Lower Upper
112 100
114 31.9 22.0 41.0
77 60.8 49.0 73.4





#52

Ethylbenzene

Concen: 10.597 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038988.D

Acq: 19 Jun 2020 16:49

Instrument :

MSVOA_U

ClientSampleId :

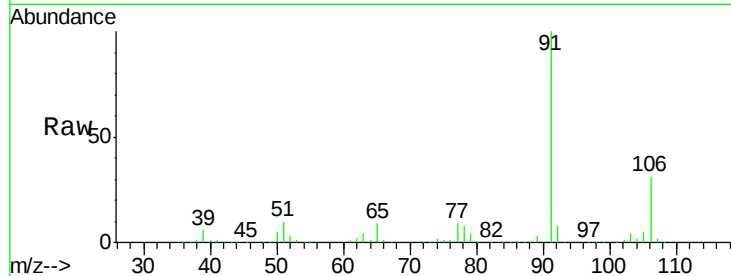
VSTD01002

Tgt Ion: 91 Resp: 1012030

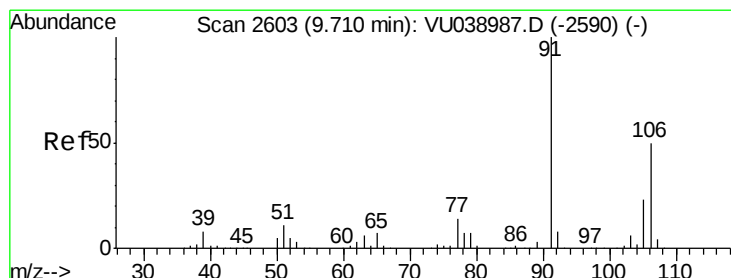
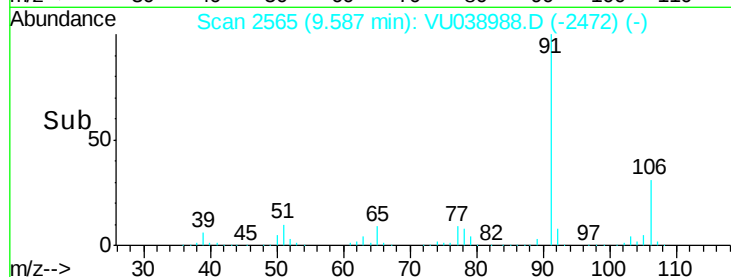
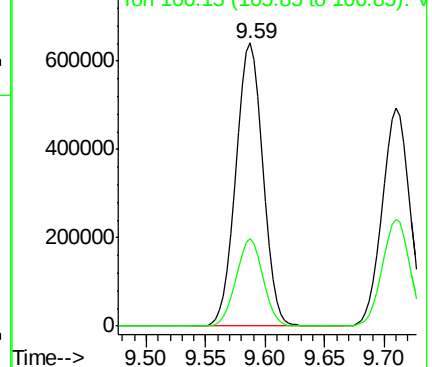
Ion Ratio Lower Upper

91 100

106 31.0 21.4 39.8



Abundance Ion 91.15 (90.85 to 91.85): VU038988.D (-2550) (-)



#53

m,p-Xylene

Concen: 10.572 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038988.D

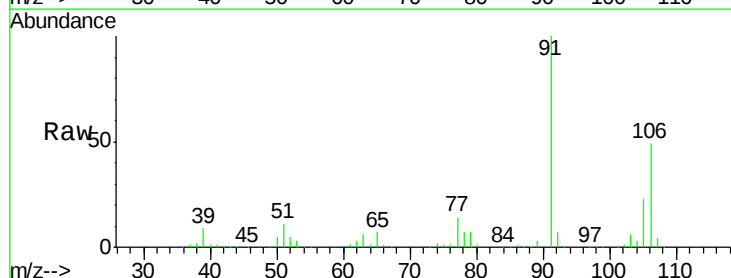
Acq: 19 Jun 2020 16:49

Tgt Ion: 106 Resp: 389797

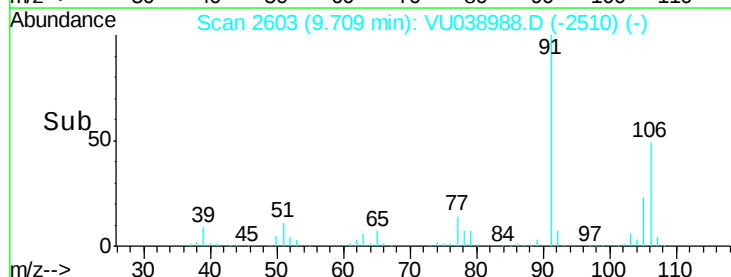
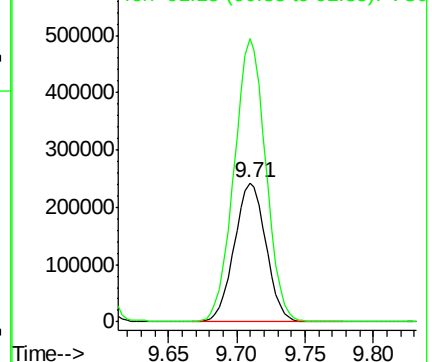
Ion Ratio Lower Upper

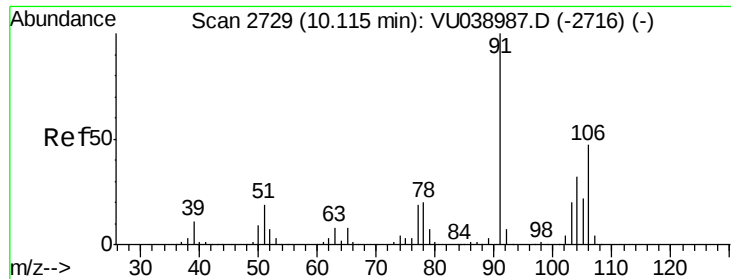
106 100

91 203.7 140.8 261.6



Abundance Ion 106.15 (105.85 to 106.85): VU038988.D (-2590) (-)

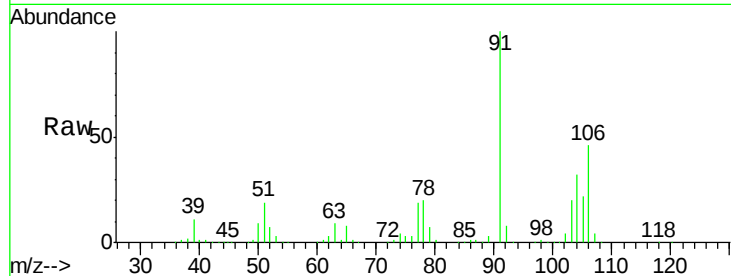




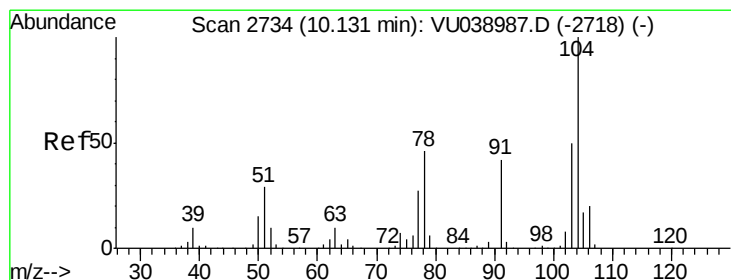
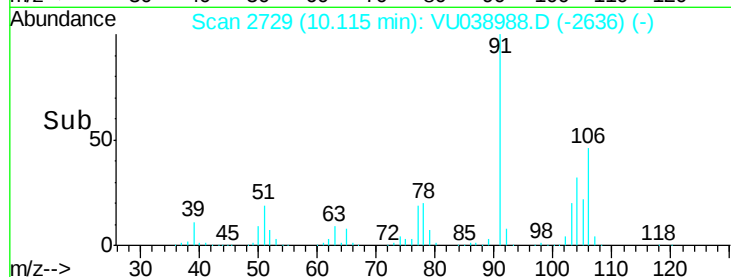
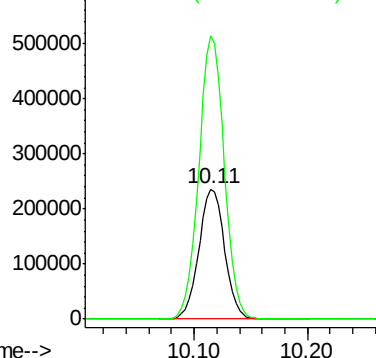
#54
o-Xylene
Concen: 10.585 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU038988.D
Acq: 19 Jun 2020 16:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD01002

Tgt Ion:106 Resp: 373882
Ion Ratio Lower Upper
106 100
91 218.1 148.2 275.2

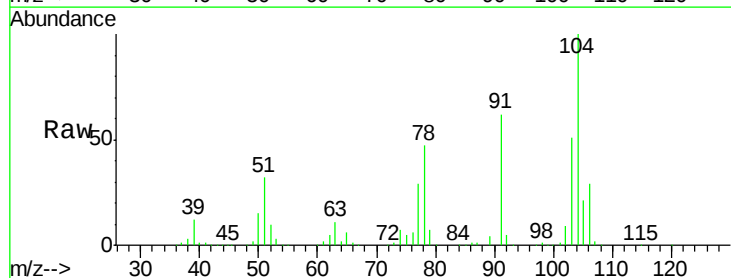


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

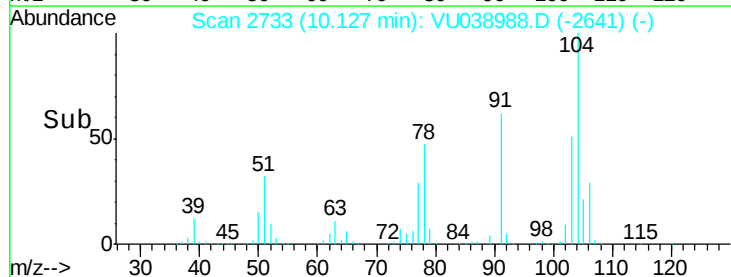
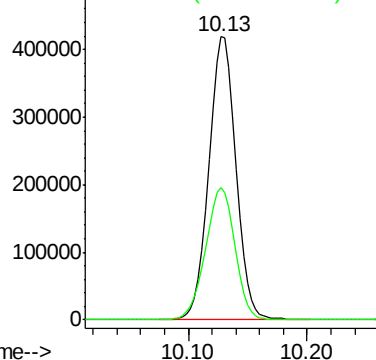


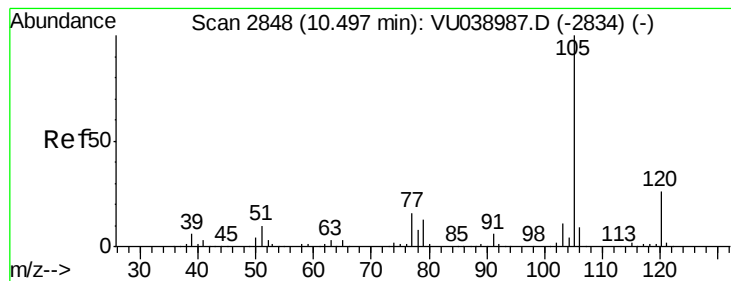
#55
Styrene
Concen: 10.869 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU038988.D
Acq: 19 Jun 2020 16:49

Tgt Ion:104 Resp: 661685
Ion Ratio Lower Upper
104 100
78 46.7 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: 10.613 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. -0.00 min

Lab File: VU038988.D

Acq: 19 Jun 2020 16:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD01002

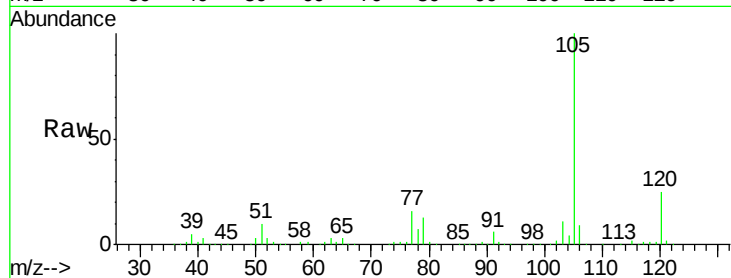
Tgt Ion: 105 Resp: 997812

Ion Ratio Lower Upper

105 100

120 25.5 20.7 31.1

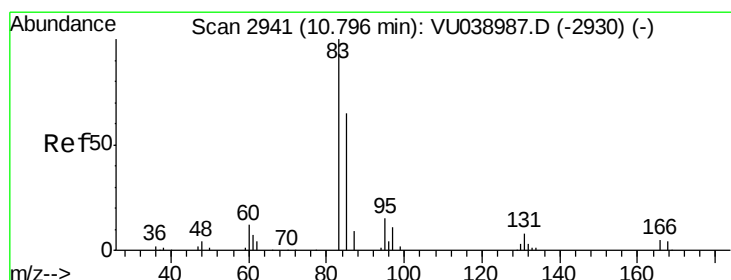
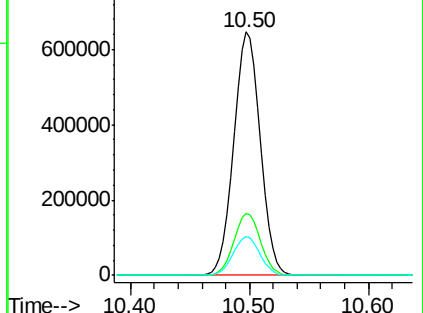
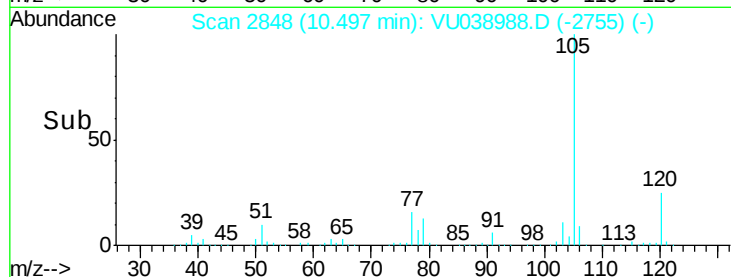
77 16.1 12.9 19.3



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: 10.053 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU038988.D

Acq: 19 Jun 2020 16:49

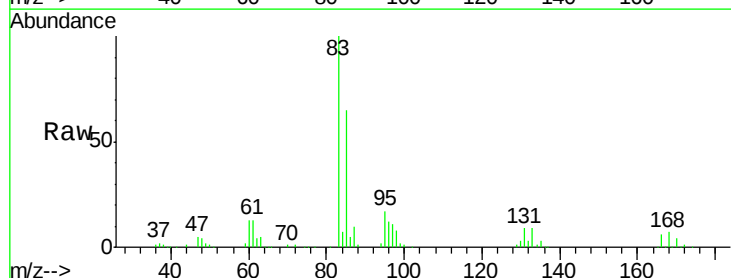
Tgt Ion: 83 Resp: 230764

Ion Ratio Lower Upper

83 100

85 64.8 45.6 84.6

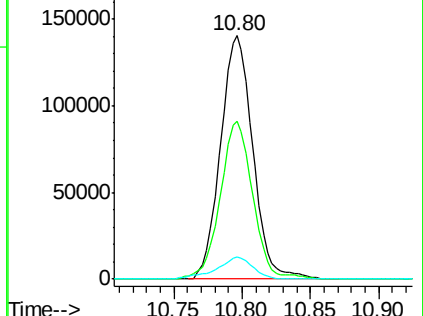
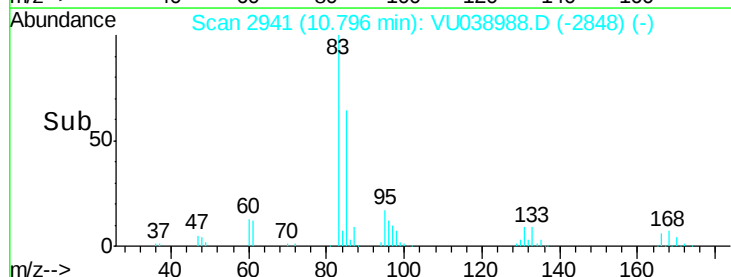
131 9.2 7.0 10.6

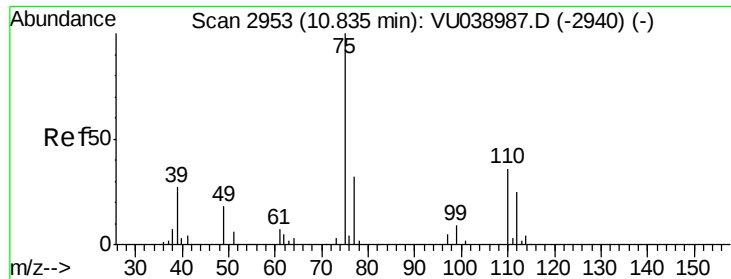


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

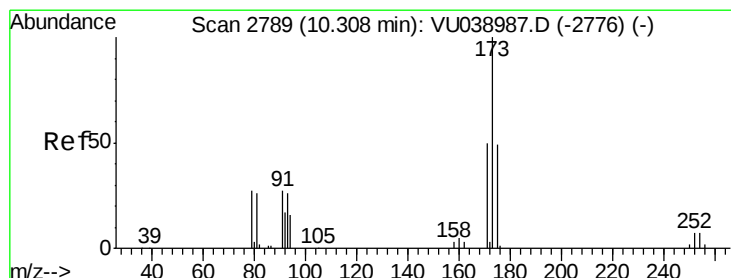
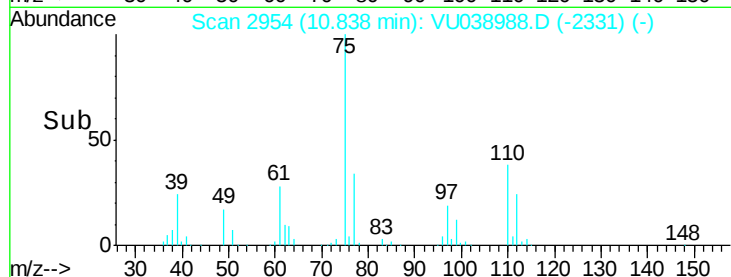
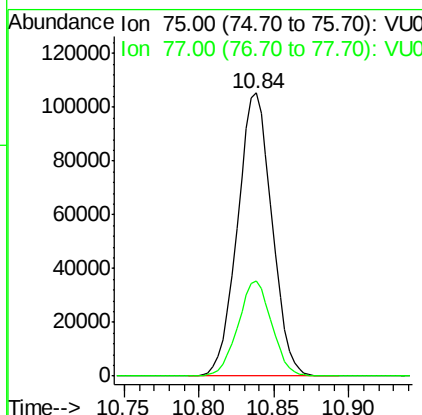
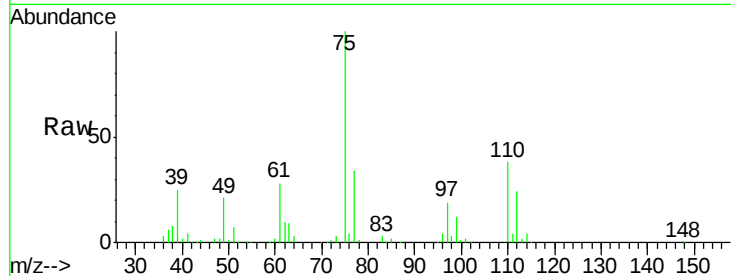




#59
 1,2,3-Trichloropropane
 Concen: 9.994 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. 0.00 min
 Lab File: VU038988.D
 Acq: 19 Jun 2020 16:49

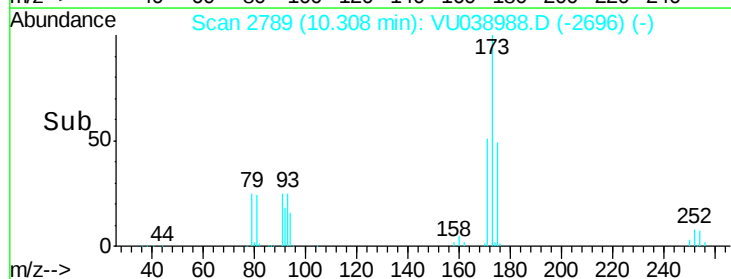
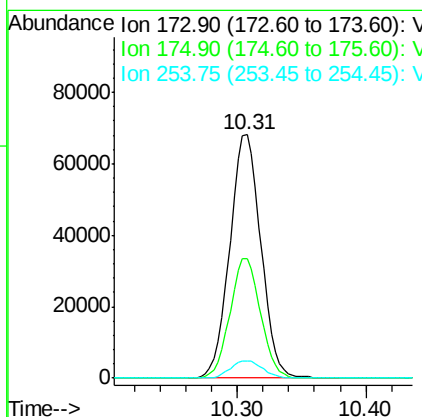
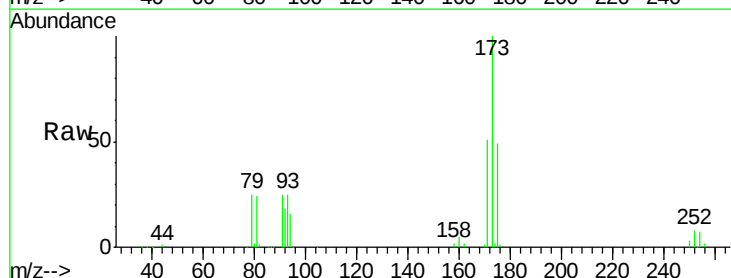
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01002

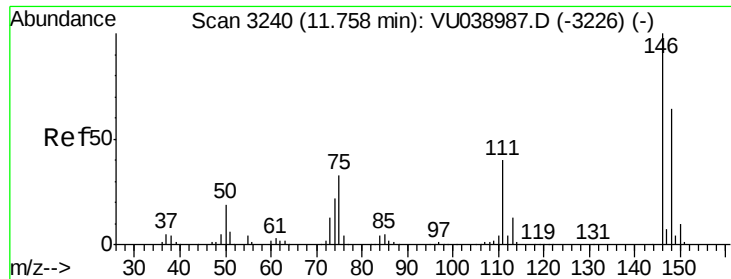
Tgt Ion: 75 Resp: 168588
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.9 38.9



#61
 Bromoform
 Concen: 9.324 ug/L
 RT: 10.31 min Scan# 2789
 Delta R.T. -0.00 min
 Lab File: VU038988.D
 Acq: 19 Jun 2020 16:49

Tgt Ion: 173 Resp: 113839
 Ion Ratio Lower Upper
 173 100
 175 48.1 39.1 58.7
 254 7.3 5.6 8.4

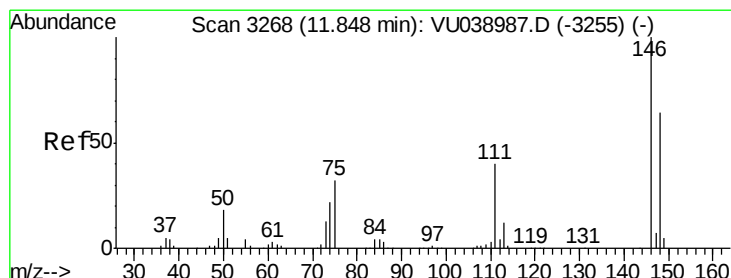
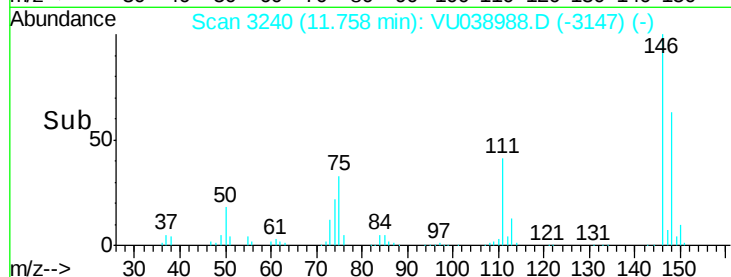
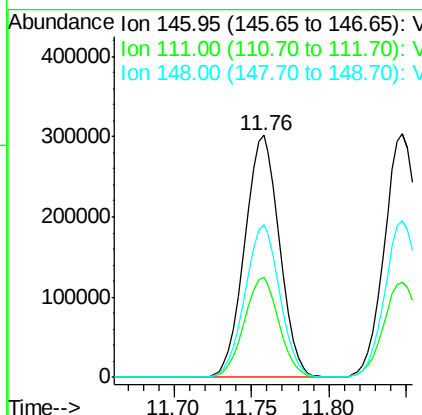
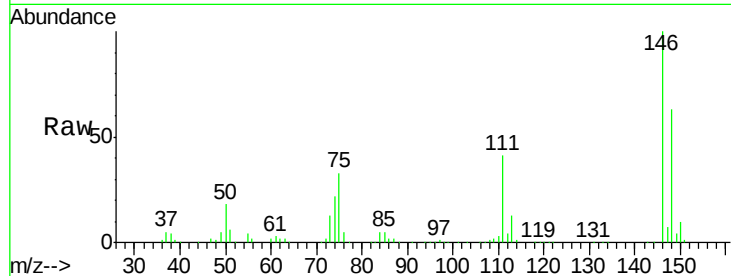




#62
 1,3-Dichlorobenzene
 Concen: 9.886 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU038988.D
 Acq: 19 Jun 2020 16:49

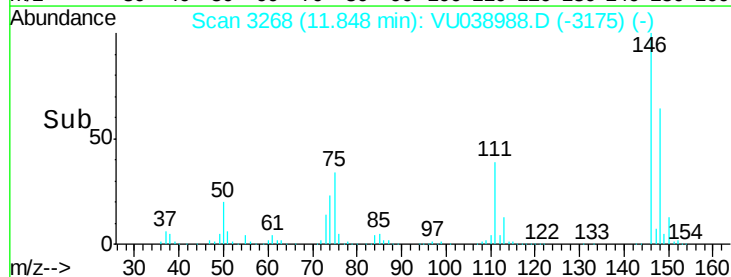
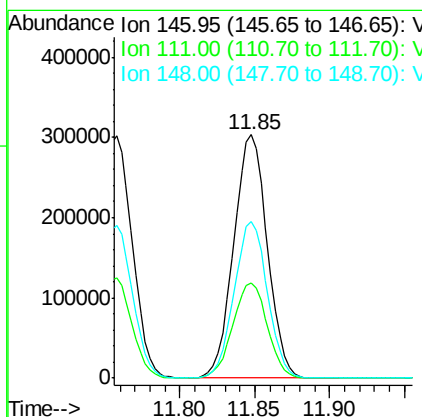
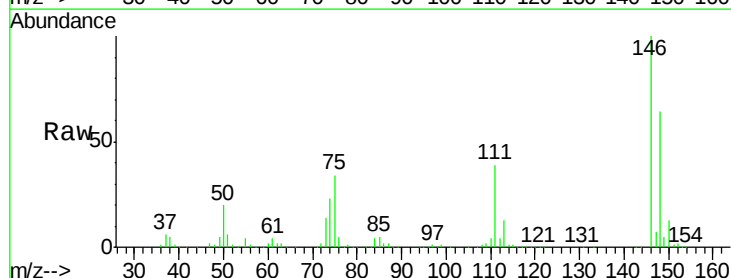
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01002

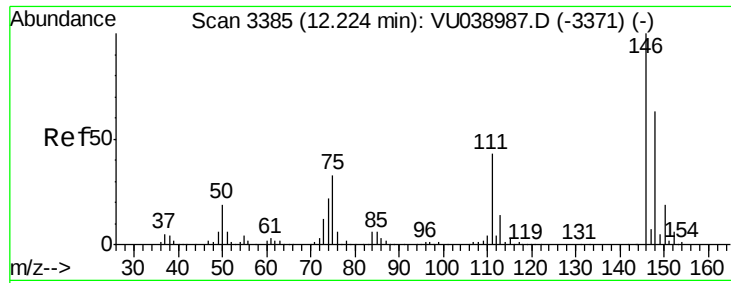
Tgt Ion:146 Resp: 472901
 Ion Ratio Lower Upper
 146 100
 111 41.4 27.8 51.6
 148 63.0 45.1 83.7



#63
 1,4-Dichlorobenzene
 Concen: 9.673 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU038988.D
 Acq: 19 Jun 2020 16:49

Tgt Ion:146 Resp: 473966
 Ion Ratio Lower Upper
 146 100
 111 39.3 28.1 52.3
 148 64.2 45.0 83.6





#65

1,2-Dichlorobenzene

Concen: 9.609 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU038988.D

Acq: 19 Jun 2020 16:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD01002

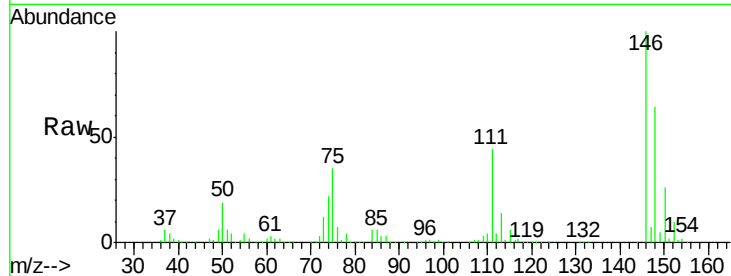
Tgt Ion:146 Resp: 452253

Ion Ratio Lower Upper

146 100

111 43.6 34.4 51.6

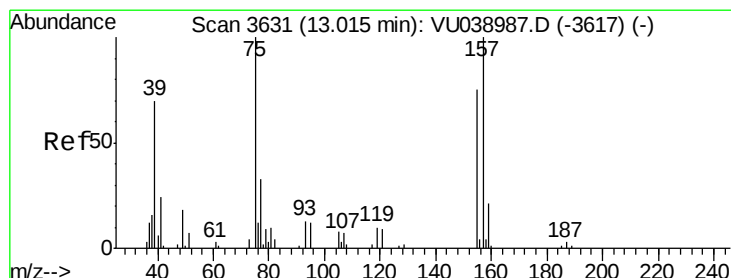
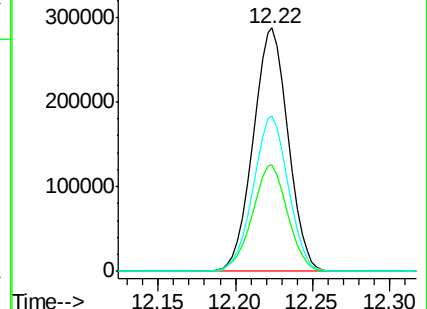
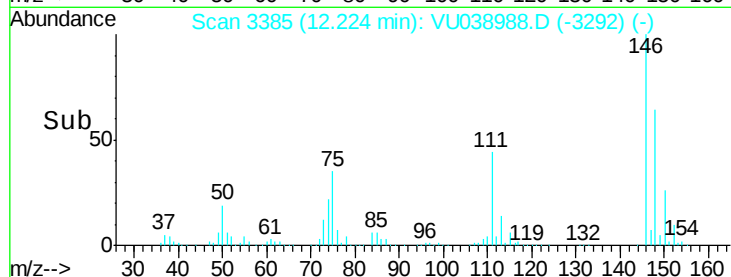
148 64.0 50.6 75.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 10.716 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. -0.00 min

Lab File: VU038988.D

Acq: 19 Jun 2020 16:49

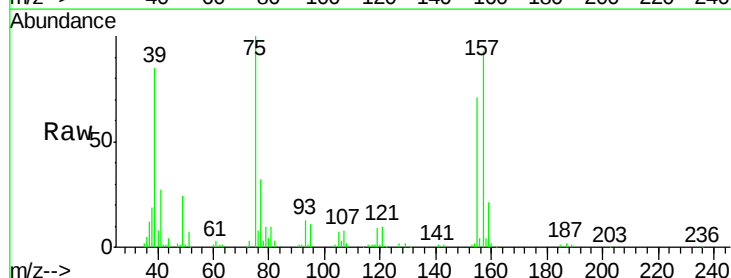
Tgt Ion: 75 Resp: 49092

Ion Ratio Lower Upper

75 100

155 70.7 59.9 89.9

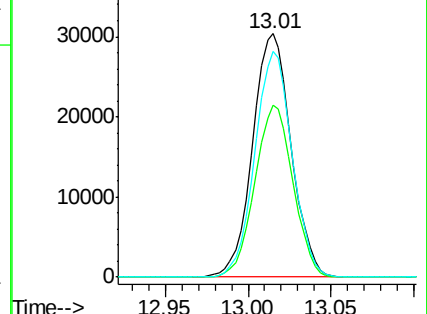
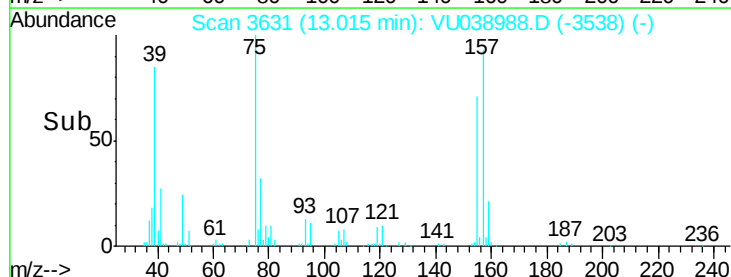
157 92.7 79.9 119.9

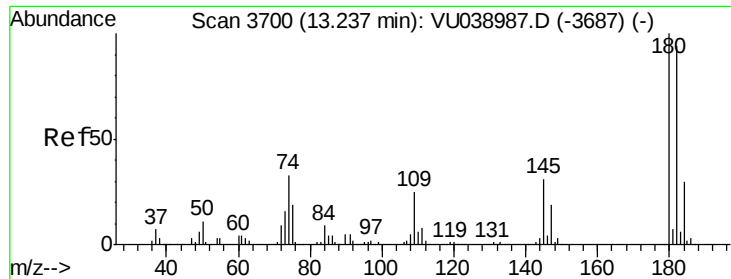


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

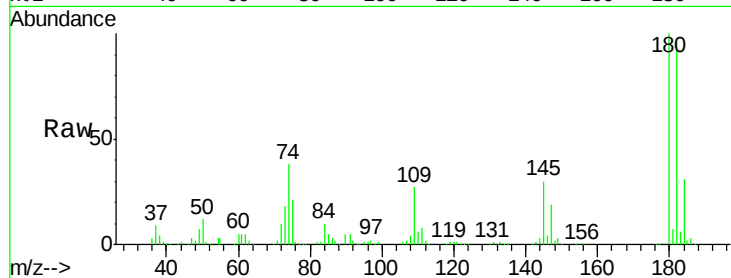




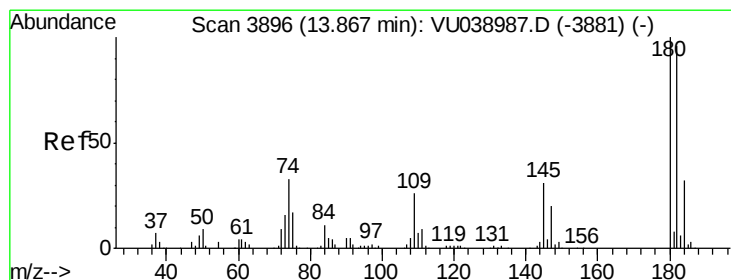
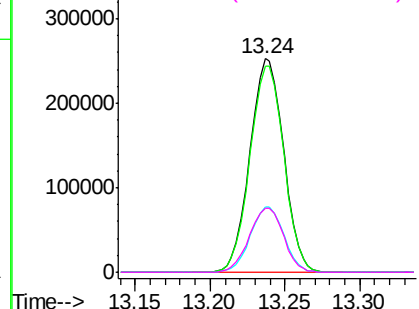
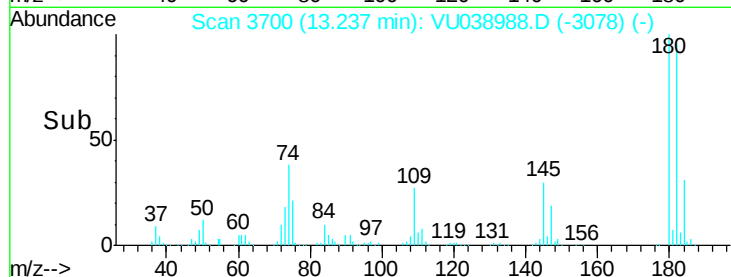
#67
 1,3,5-Trichlorobenzene
 Concen: 10.376 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VU038988.D
 Acq: 19 Jun 2020 16:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01002

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	76.0	114.0
184	30.4	24.2	36.2
145	30.4	24.6	36.8

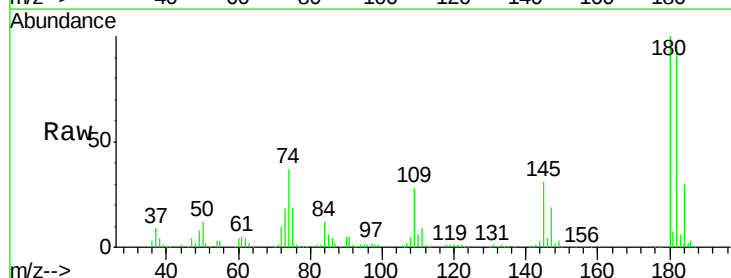


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

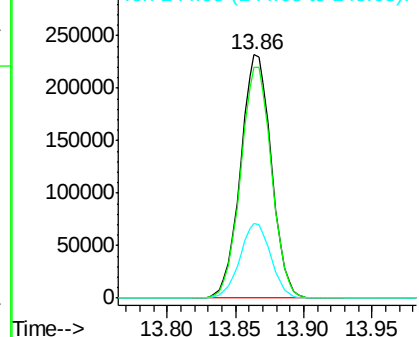
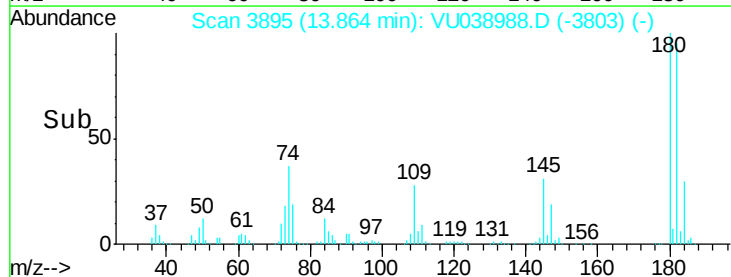


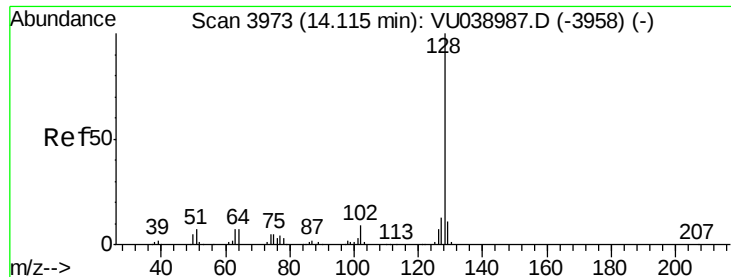
#68
 1,2,4-trichlorobenzene
 Concen: 10.488 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.00 min
 Lab File: VU038988.D
 Acq: 19 Jun 2020 16:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.0	114.0
145	30.8	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: 10.892 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU038988.D

Acq: 19 Jun 2020 16:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD01002

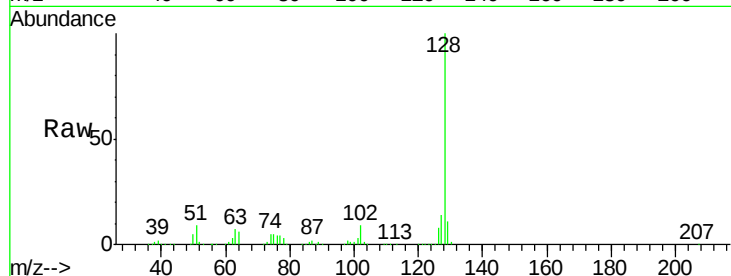
Tgt Ion:128 Resp: 719902

Ion Ratio Lower Upper

128 100

129 11.0 8.3 12.5

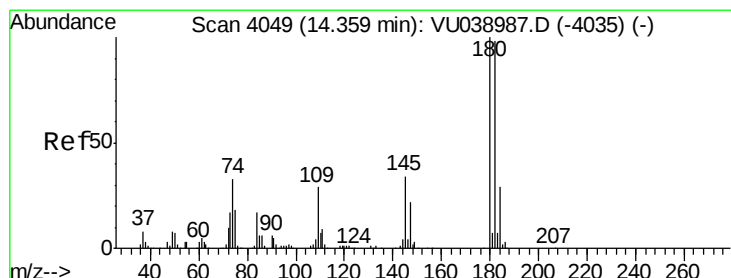
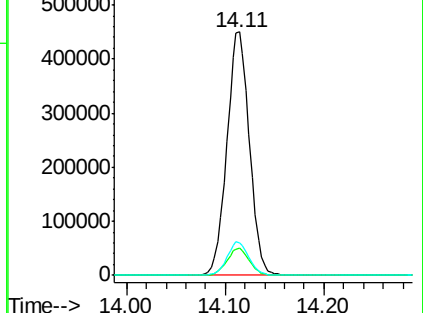
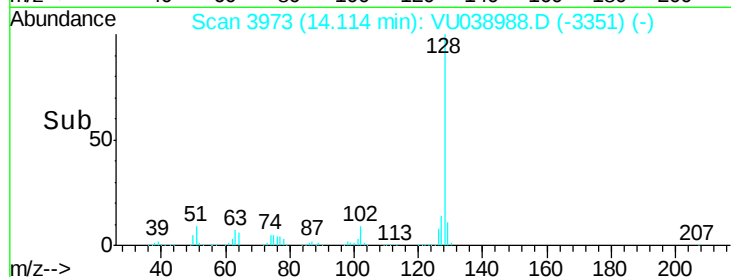
127 13.2 11.0 16.6



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: 10.603 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.00 min

Lab File: VU038988.D

Acq: 19 Jun 2020 16:49

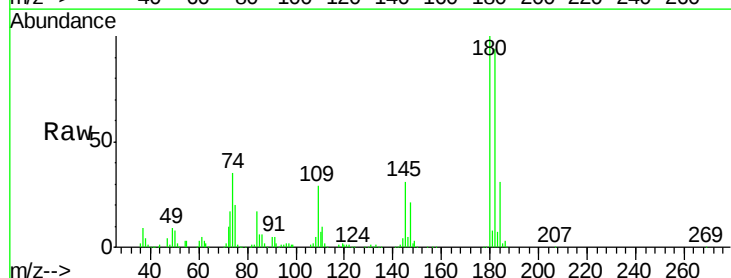
Tgt Ion:180 Resp: 346868

Ion Ratio Lower Upper

180 100

182 94.7 77.3 115.9

145 32.2 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

