

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072120\
 Data File : VU039590.D
 Acq On : 21 Jul 2020 10:54
 Operator : SY/MD
 Sample : VSTD02004
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02004

Quant Time: Jul 21 11:10:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 21 10:59:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	135832	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	132994	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	75823	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	113462	15.59	ug/L	0.00
7) Chloroethane-d5	1.93	69	139343	17.99	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	268631	18.06	ug/L	0.00
20) 2-Butanone-d5	4.66	46	542481	161.75	ug/L	0.00
24) Chloroform-d	5.08	84	320384	19.75	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	189877	18.48	ug/L	0.00
32) Benzene-d6	5.75	84	600892	19.47	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.71	67	196224	18.21	ug/L	0.00
41) Toluene-d8	7.91	98	594538	21.76	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	95159	19.96	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	468825	171.32	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.76	84	201641	18.79	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	272472	20.58	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	131171	16.605 ug/L	98
3) Chloromethane	1.53	50	134888	14.301 ug/L	97
5) Vinyl chloride	1.61	62	146722	14.087 ug/L	99
6) Bromomethane	1.87	94	99734	20.440 ug/L	99
8) Chloroethane	1.94	64	136708	17.651 ug/L	97
9) Trichlorofluoromethane	2.15	101	357664	18.964 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	137782	17.857 ug/L	98
12) 1,1-Dichloroethene	2.59	96	124376	16.069 ug/L	98
13) Acetone	2.66	43	288910	152.676 ug/L	100
14) Carbon disulfide	2.81	76	375384	14.019 ug/L	99
15) Methyl Acetate	2.97	43	73938	14.941 ug/L	97
16) Methylene chloride	3.06	84	151256	15.308 ug/L	98
17) Methyl tert-butyl Ether	3.38	73	412444	16.650 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	144647	16.754 ug/L	95
19) 1,1-Dichloroethane	3.89	63	289180	16.751 ug/L	98
21) 2-Butanone	4.74	43	529657	157.834 ug/L	98
22) cis-1,2-Dichloroethene	4.69	96	169684	17.290 ug/L	99
23) Bromochloromethane	5.00	128	77924	17.511 ug/L	96
25) Chloroform	5.11	83	321664	18.286 ug/L	97
27) 1,2-Dichloroethane	5.81	62	223320	17.666 ug/L	98
29) 1,1,1-Trichloroethane	5.34	97	286705	18.575 ug/L	97
30) Cyclohexane	5.41	56	256904	16.440 ug/L	97
31) Carbon tetrachloride	5.54	117	248825	18.960 ug/L	98
33) Benzene	5.79	78	647127	16.804 ug/L	100
34) Trichloroethene	6.56	95	176840	17.697 ug/L	95
35) Methylcyclohexane	6.78	83	273302	17.372 ug/L	98
37) 1,2-Dichloropropane	6.81	63	172874	16.449 ug/L	98
38) Bromodichloromethane	7.12	83	245657	18.197 ug/L	96
39) cis-1,3-Dichloropropene	7.62	75	273083	17.257 ug/L	96
40) 4-Methyl-2-pentanone	7.80	43	1412102	162.259 ug/L	99

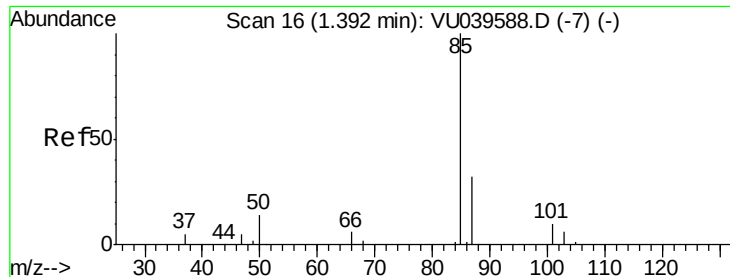
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072120\
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 Quant Title : TRACE VOA SOM01.0
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	751649	18.149	ug/L	97
44) trans-1,3-Dichloropropene	8.22	75	251684	17.930	ug/L	100
45) 1,1,2-Trichloroethane	8.41	97	137434	18.154	ug/L	96
47) Tetrachloroethene	8.56	164	130262	18.603	ug/L	94
48) 2-Hexanone	8.69	43	1072573	167.602	ug/L	99
49) Dibromochloromethane	8.82	129	181937	19.679	ug/L	98
50) 1,2-Dibromoethane	8.93	107	138353	18.038	ug/L	100
51) Chlorobenzene	9.45	112	477451	18.727	ug/L	98
52) Ethylbenzene	9.57	91	877708	19.087	ug/L	100
53) m,p-Xylene	9.70	106	336650	19.405	ug/L	96
54) o-Xylene	10.10	106	331931	19.599	ug/L	96
55) Styrene	10.11	104	588905	19.970	ug/L	99
56) Isopropylbenzene	10.48	105	920559	20.077	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.78	83	189318	17.919	ug/L	98
59) 1,2,3-Trichloropropane	10.82	75	134856	17.244	ug/L	99
61) Bromoform	10.29	173	118795	19.096	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	428062	18.396	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	429356	18.351	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	417689	17.940	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	34865	17.140	ug/L #	81
67) 1,3,5-Trichlorobenzene	13.21	180	309681	17.796	ug/L	100
68) 1,2,4-trichlorobenzene	13.83	180	274712	18.650	ug/L	96
69) Naphthalene	14.08	128	509819	17.557	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	245508	18.133	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 16.605 ug/L

RT: 1.39 min Scan# 16

Delta R.T. -0.00 min

Lab File: VU039590.D

Acq: 21 Jul 2020 10:54

Instrument :

MSVOA_U

ClientSampleId :

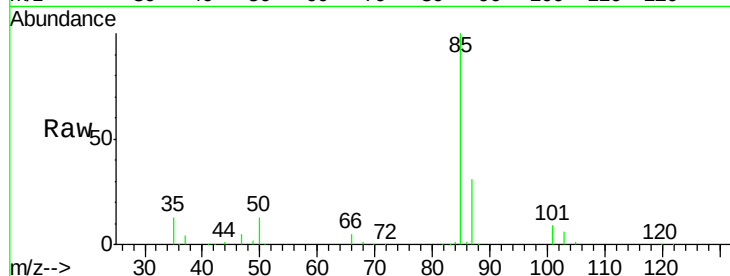
VSTD02004

Tgt Ion: 85 Resp: 131171

Ion Ratio Lower Upper

85 100

87 31.5 24.5 36.7



Abundance Ion 85.00 (84.70 to 85.70): VU039588.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU039588.D (-7) (-)

1.39

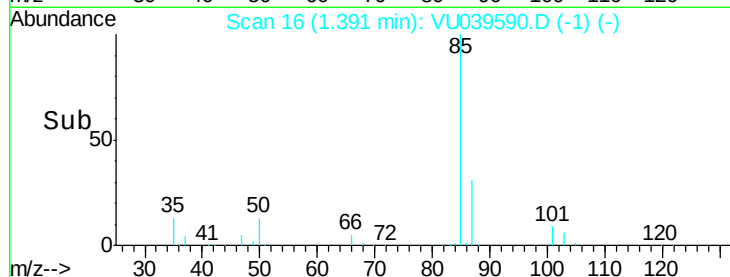
150000

100000

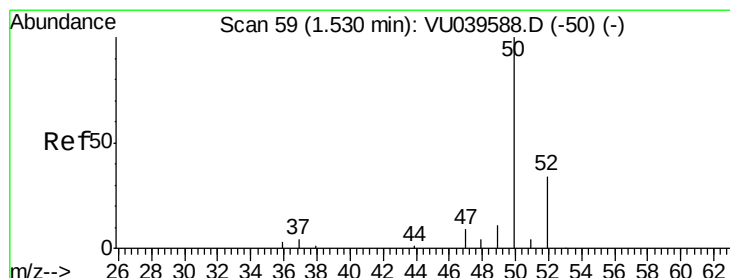
50000

0

Time-->



Time-->



#3

Chloromethane

Concen: 14.301 ug/L

RT: 1.53 min Scan# 59

Delta R.T. -0.00 min

Lab File: VU039590.D

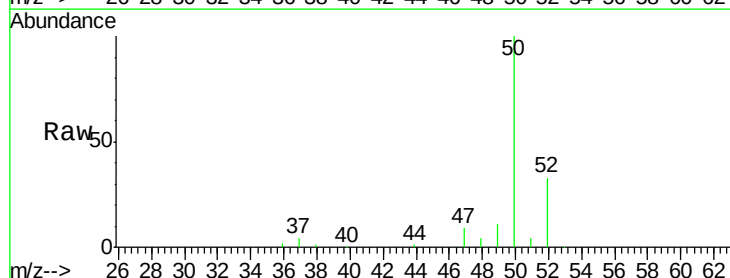
Acq: 21 Jul 2020 10:54

Tgt Ion: 50 Resp: 134888

Ion Ratio Lower Upper

50 100

52 32.6 23.9 44.5



Abundance Ion 50.05 (49.75 to 50.75): VU039588.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU039588.D (-50) (-)

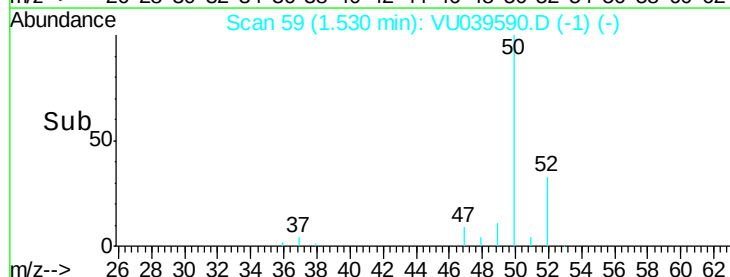
1.53

100000

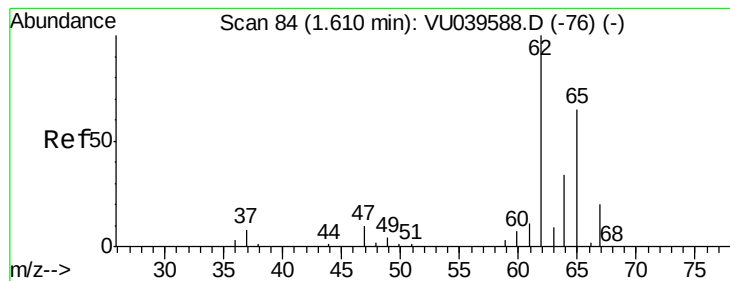
50000

0

Time-->



Time-->



#5

Vinyl chloride

Concen: 14.087 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039590.D

Acq: 21 Jul 2020 10:54

Instrument :

MSVOA_U

ClientSampleId :

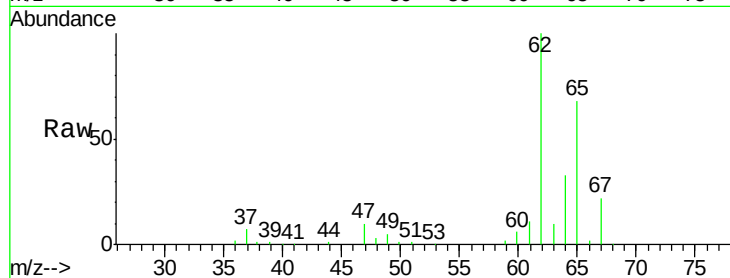
VSTD02004

Tgt Ion: 62 Resp: 146722

Ion Ratio Lower Upper

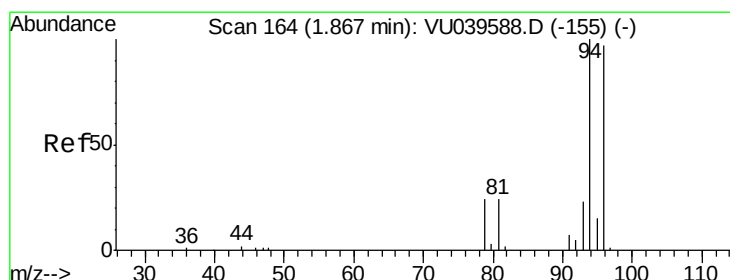
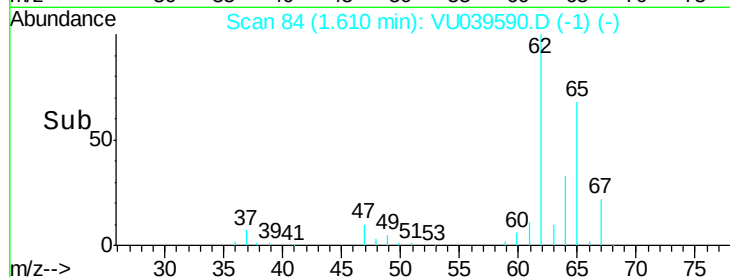
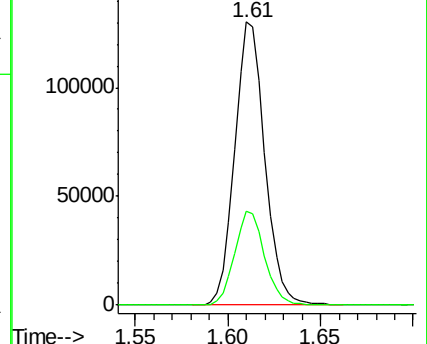
62 100

64 33.0 23.4 43.6



Abundance Ion 62.00 (61.70 to 62.70): VU039588.D (-76) (-)

Ion 64.10 (63.80 to 64.80): VU039588.D (-76) (-)



#6

Bromomethane

Concen: 20.440 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU039590.D

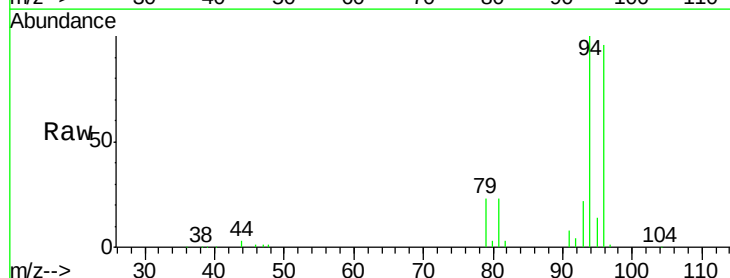
Acq: 21 Jul 2020 10:54

Tgt Ion: 94 Resp: 99734

Ion Ratio Lower Upper

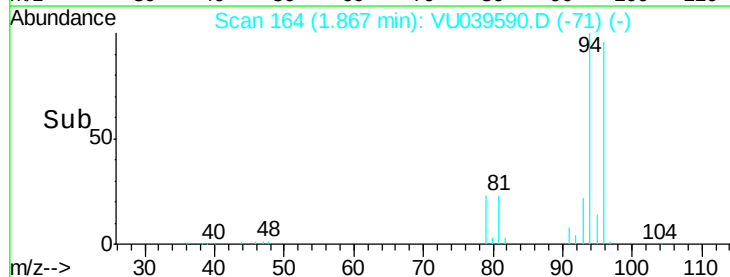
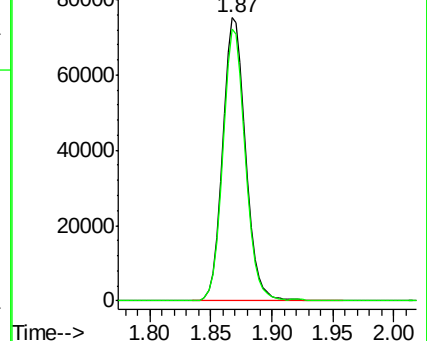
94 100

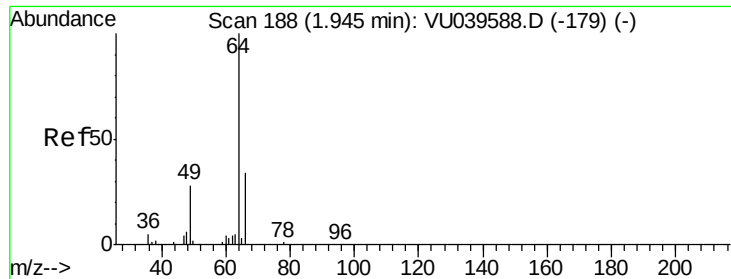
96 96.2 68.0 126.2



Abundance Ion 94.00 (93.70 to 94.70): VU039588.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU039588.D (-155) (-)

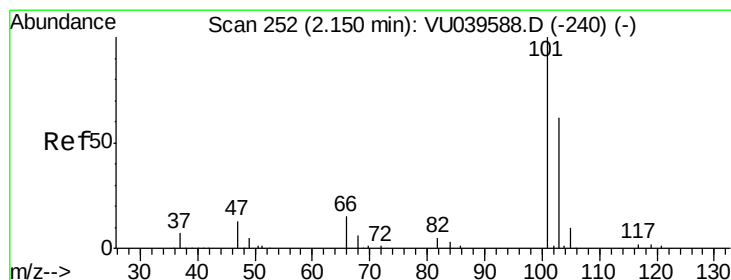
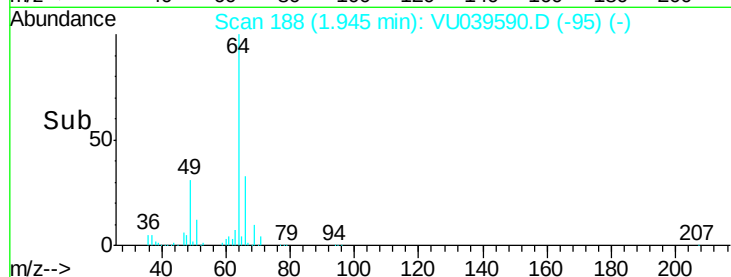
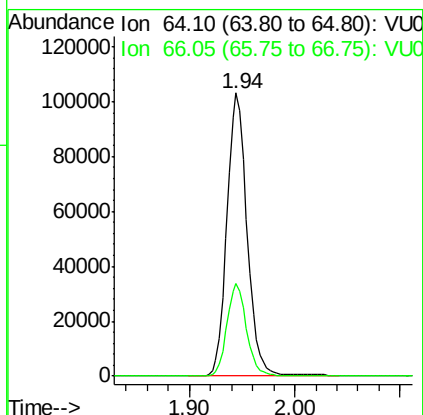
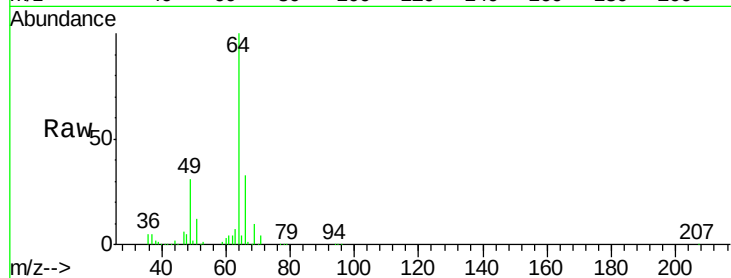




#8
Chloroethane
Concen: 17.651 ug/L
RT: 1.94 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU039590.D
Acq: 21 Jul 2020 10:54

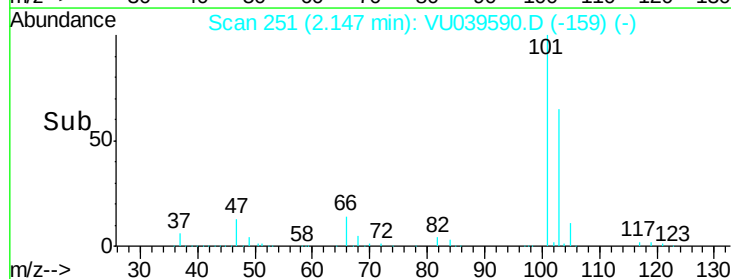
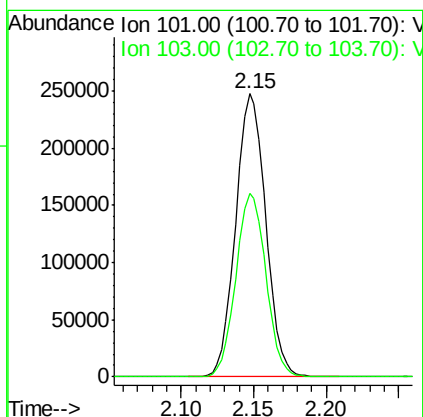
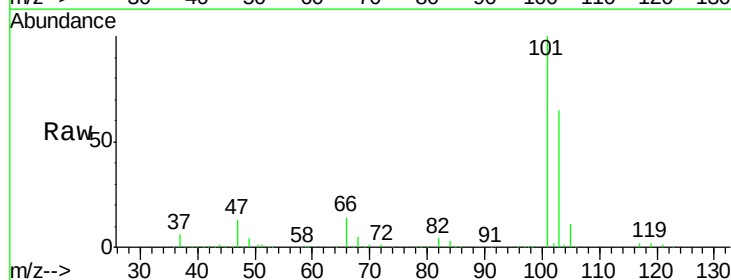
Instrument :
MSVOA_U
ClientSampleId :
VSTD02004

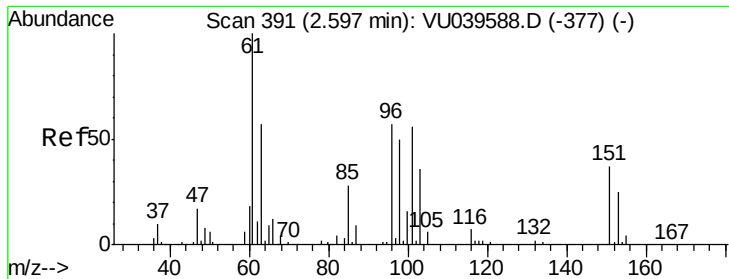
Tgt Ion: 64 Resp: 136708
Ion Ratio Lower Upper
64 100
66 32.6 24.0 44.6



#9
Trichlorofluoromethane
Concen: 18.964 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU039590.D
Acq: 21 Jul 2020 10:54

Tgt Ion: 101 Resp: 357664
Ion Ratio Lower Upper
101 100
103 64.7 50.6 75.8





#10

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

Concen: 17.857 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039590.D

Acq: 21 Jul 2020 10:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD02004

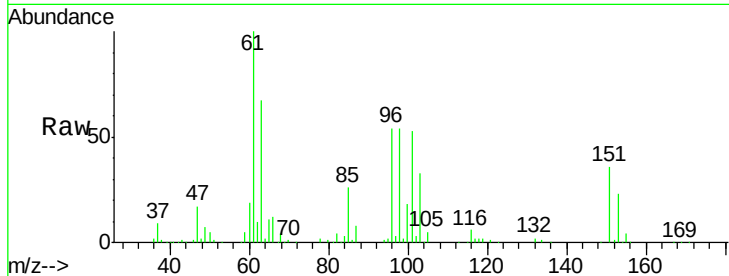
Tgt Ion: 101 Resp: 137782

Ion Ratio Lower Upper

101 100

85 49.0 38.7 58.1

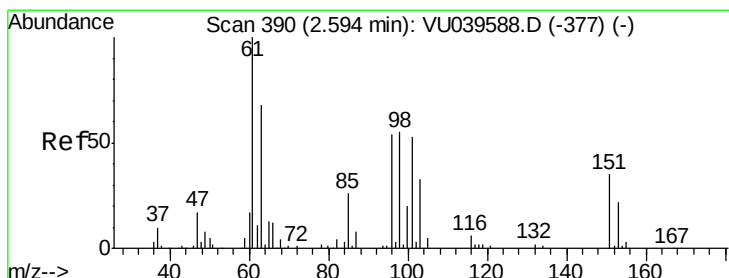
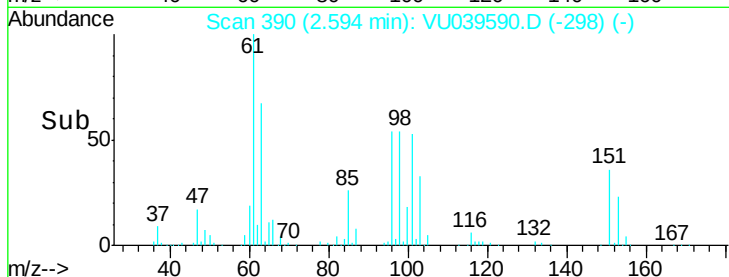
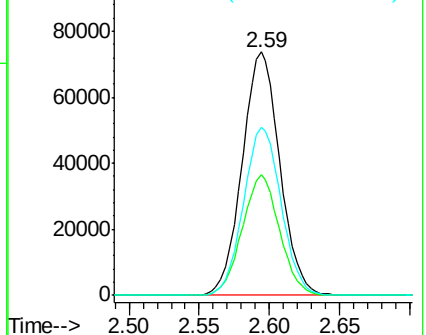
151 69.2 53.4 80.2



Abundance Ion 101.00 (100.70 to 101.70): VU039588.D (-377) (-)

Ion 85.00 (84.70 to 85.70): VU039588.D (-377) (-)

Ion 151.00 (150.70 to 151.70): VU039588.D (-377) (-)



#12

1,1-Dichloroethene

Concen: 16.069 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039590.D

Acq: 21 Jul 2020 10:54

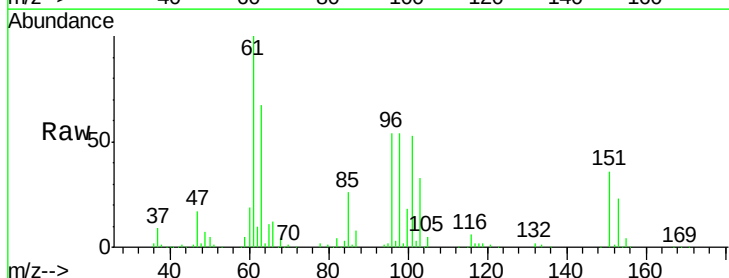
Tgt Ion: 96 Resp: 124376

Ion Ratio Lower Upper

96 100

61 185.0 129.1 239.7

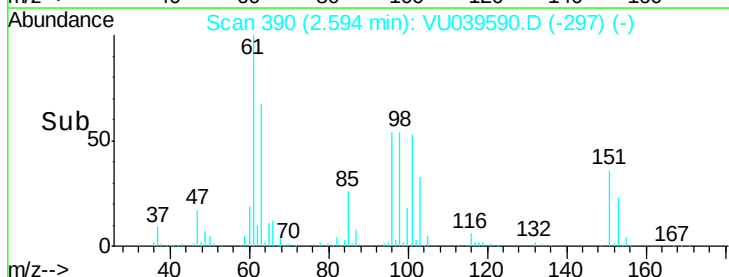
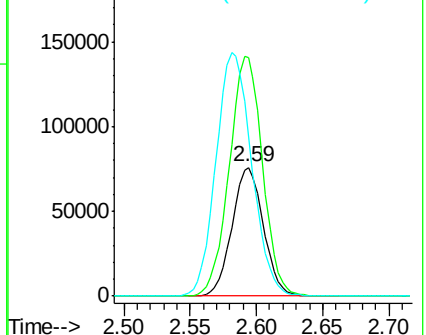
63 123.8 89.7 166.7

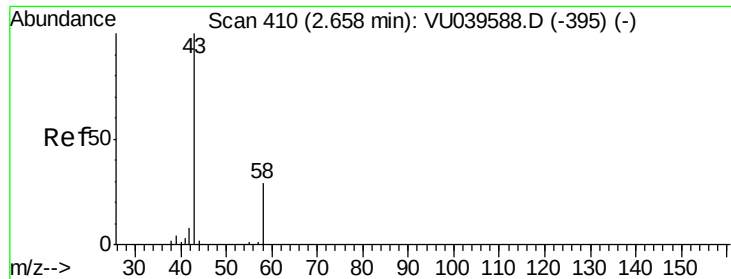


Abundance Ion 96.00 (95.70 to 96.70): VU039588.D (-377) (-)

Ion 61.05 (60.75 to 61.75): VU039588.D (-377) (-)

Ion 63.00 (62.70 to 63.70): VU039588.D (-377) (-)





#13

Acetone

Concen: 152.676 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU039590.D

Acq: 21 Jul 2020 10:54

Instrument :

MSVOA_U

ClientSampleId :

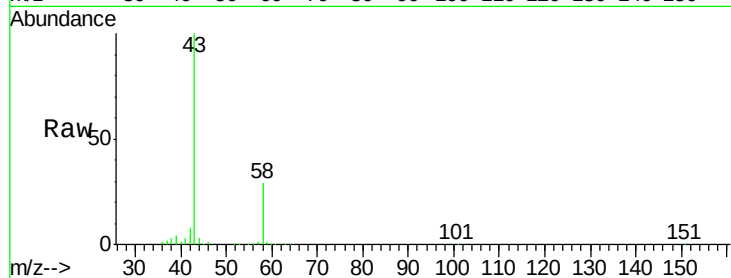
VSTD02004

Tgt Ion: 43 Resp: 288910

Ion Ratio Lower Upper

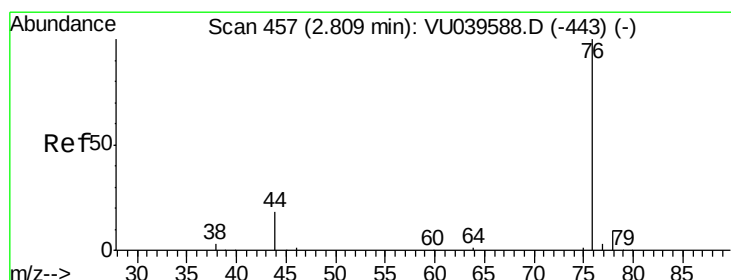
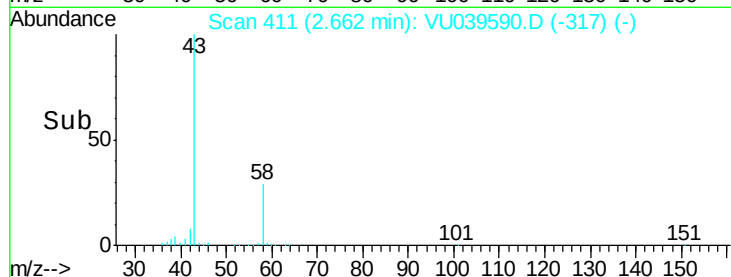
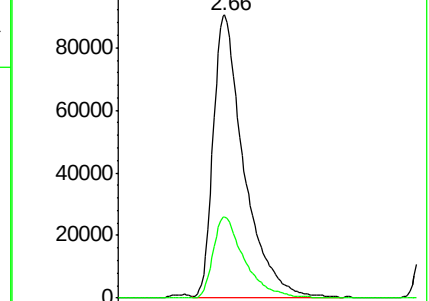
43 100

58 29.6 0.0 59.0



Abundance Ion 43.05 (42.75 to 43.75): VU039588.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VU039588.D (-395) (-)



#14

Carbon disulfide

Concen: 14.019 ug/L

RT: 2.81 min Scan# 457

Delta R.T. -0.00 min

Lab File: VU039590.D

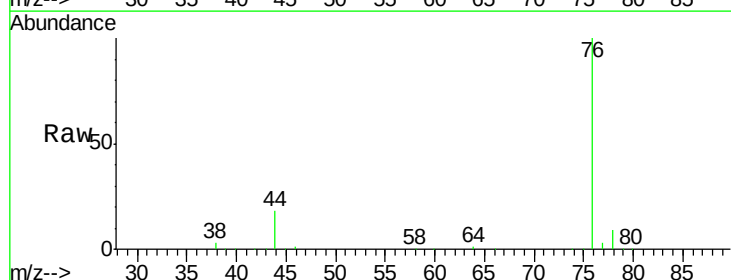
Acq: 21 Jul 2020 10:54

Tgt Ion: 76 Resp: 375384

Ion Ratio Lower Upper

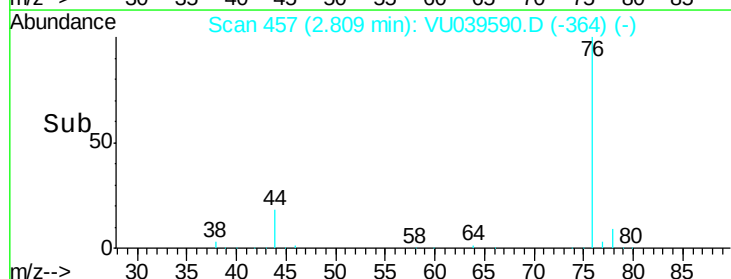
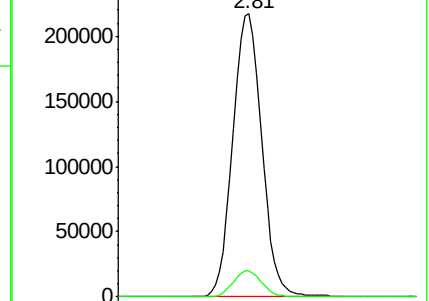
76 100

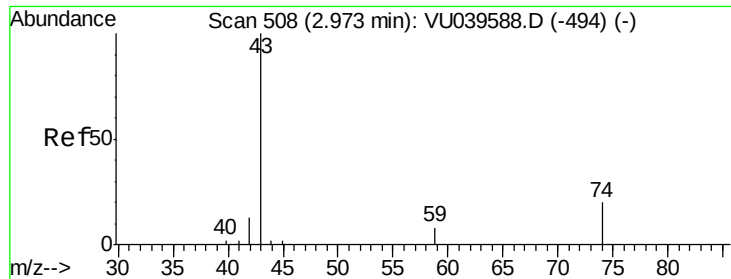
78 9.2 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU039588.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU039588.D (-443) (-)

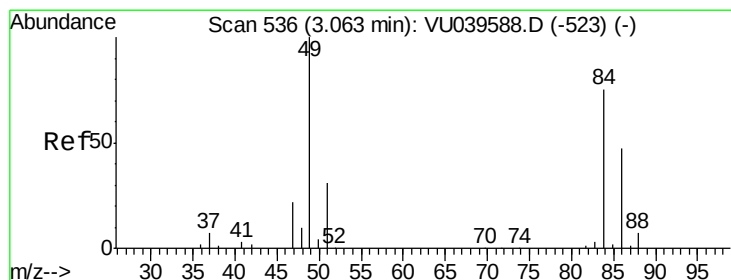
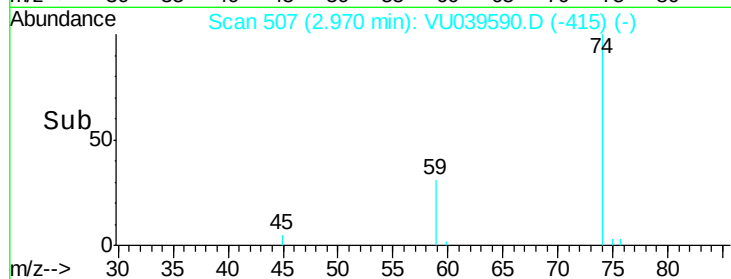
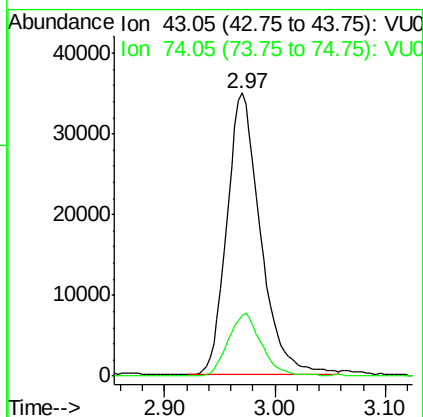
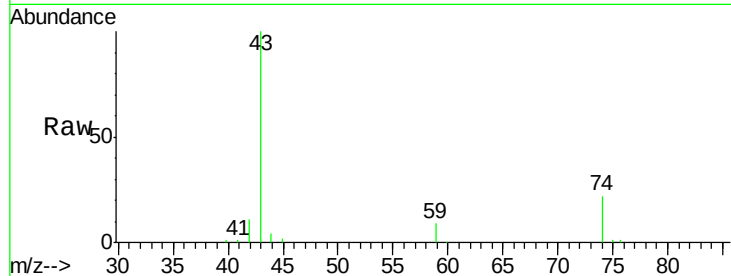




#15
Methyl Acetate
Concen: 14.941 ug/L
RT: 2.97 min Scan# 507
Delta R.T. -0.00 min
Lab File: VU039590.D
Acq: 21 Jul 2020 10:54

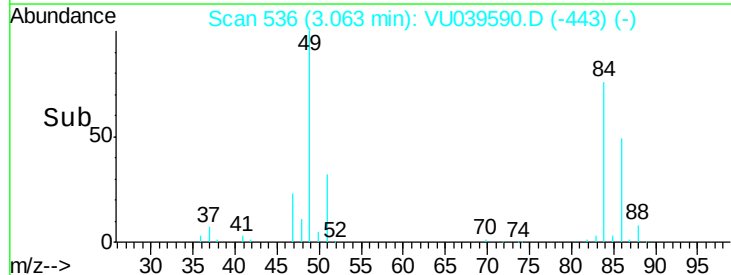
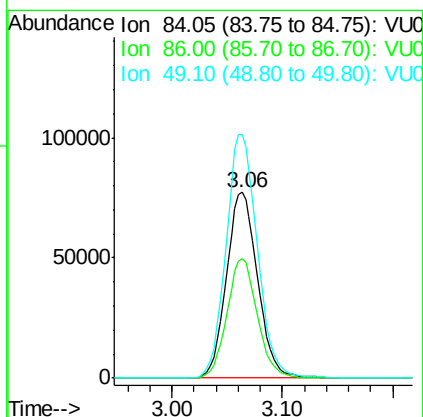
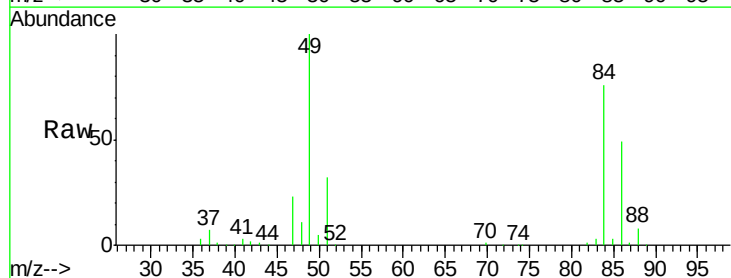
Instrument :
MSVOA_U
ClientSampleId :
VSTD02004

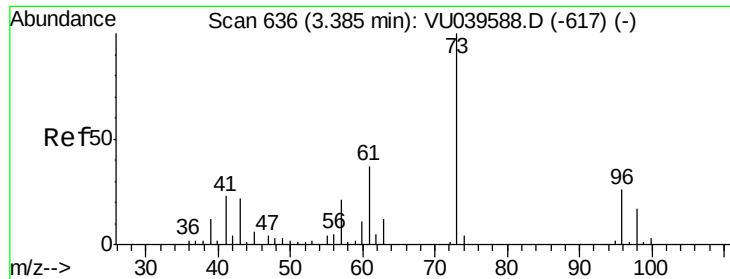
Tgt Ion: 43 Resp: 73938
Ion Ratio Lower Upper
43 100
74 22.0 16.6 24.8



#16
Methylene chloride
Concen: 15.308 ug/L
RT: 3.06 min Scan# 536
Delta R.T. -0.00 min
Lab File: VU039590.D
Acq: 21 Jul 2020 10:54

Tgt Ion: 84 Resp: 151256
Ion Ratio Lower Upper
84 100
86 64.5 43.8 81.4
49 130.8 92.7 172.3

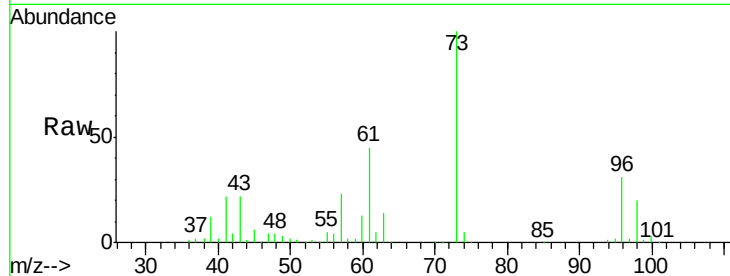




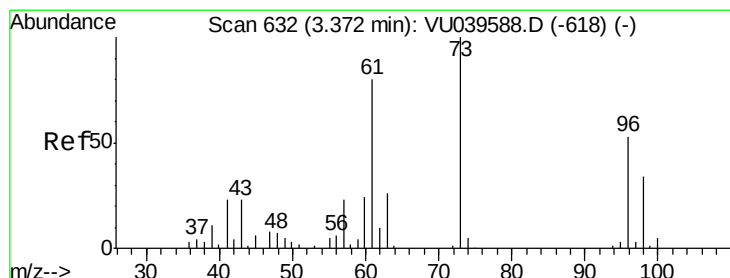
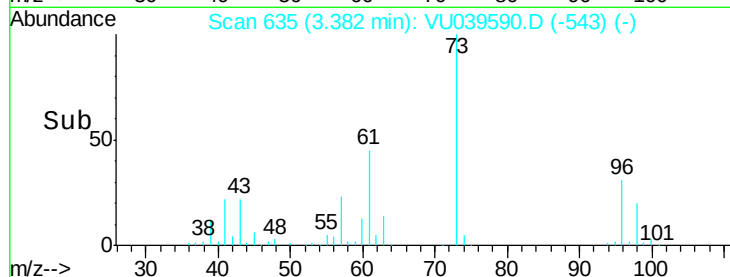
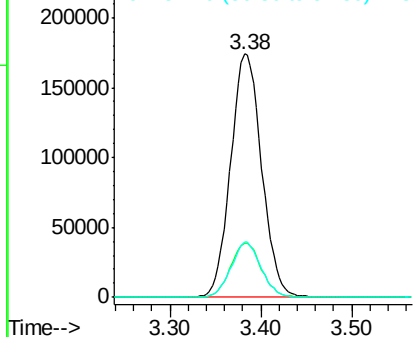
#17
Methyl tert-butyl Ether
Concen: 16.650 ug/L
RT: 3.38 min Scan# 635
Delta R.T. -0.00 min
Lab File: VU039590.D
Acq: 21 Jul 2020 10:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD02004

Tgt Ion: 73 Resp: 412444
Ion Ratio Lower Upper
73 100
43 22.2 18.2 27.4
57 21.9 17.9 26.9

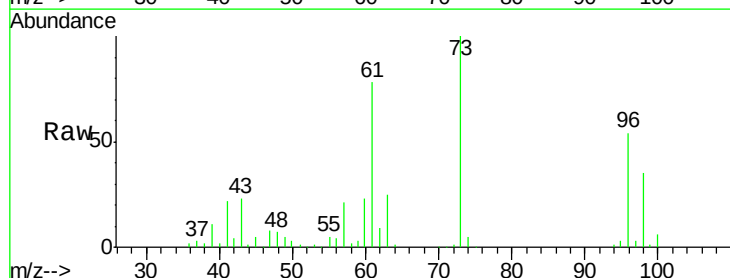


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

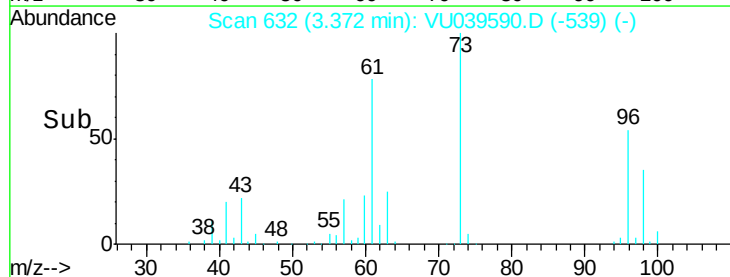
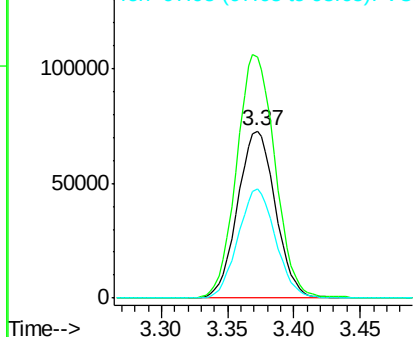


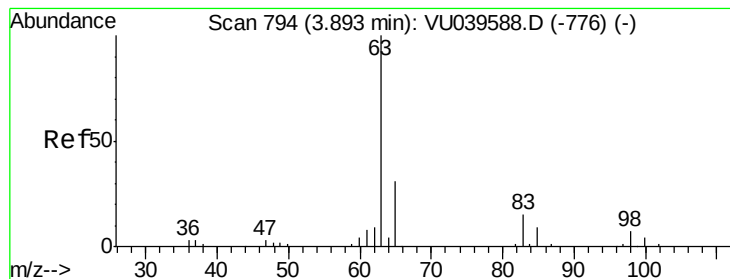
#18
trans-1,2-Dichloroethene
Concen: 16.754 ug/L
RT: 3.37 min Scan# 632
Delta R.T. -0.00 min
Lab File: VU039590.D
Acq: 21 Jul 2020 10:54

Tgt Ion: 96 Resp: 144647
Ion Ratio Lower Upper
96 100
61 143.7 106.5 197.9
98 65.1 45.2 84.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 16.751 ug/L

RT: 3.89 min Scan# 794

Delta R.T. -0.00 min

Lab File: VU039590.D

Acq: 21 Jul 2020 10:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD02004

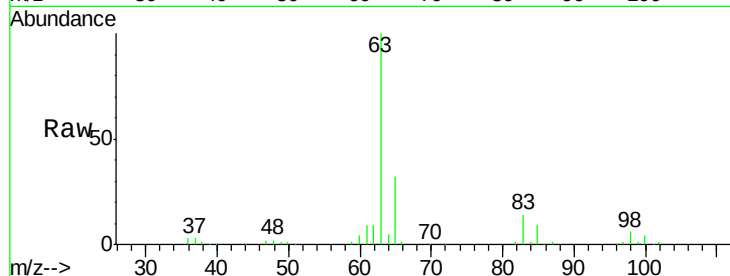
Tgt Ion: 63 Resp: 289180

Ion Ratio Lower Upper

63 100

65 32.1 21.8 40.4

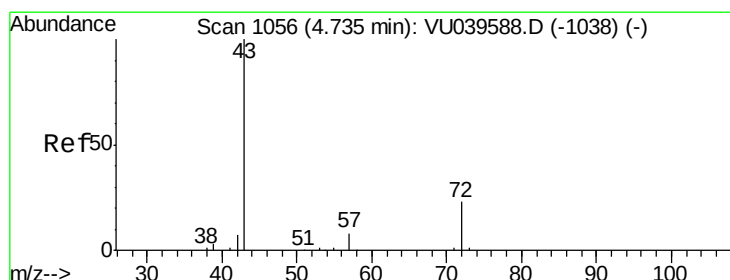
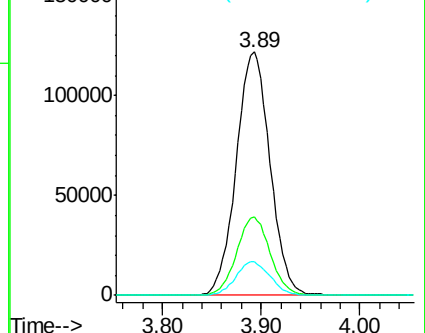
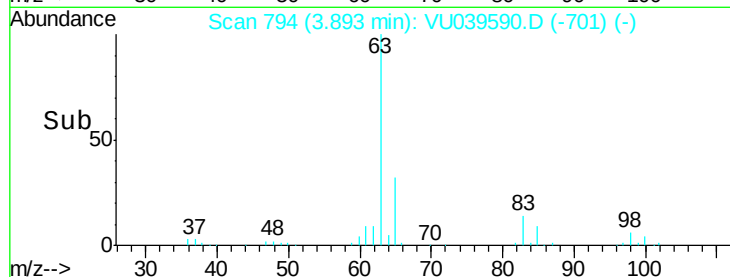
83 13.7 10.2 19.0



Abundance Ion 63.10 (62.80 to 63.80): VU039590.D (-701) (-)

Ion 65.10 (64.80 to 65.80): VU039590.D (-701) (-)

Ion 83.05 (82.75 to 83.75): VU039590.D (-701) (-)



#21

2-Butanone

Concen: 157.834 ug/L

RT: 4.74 min Scan# 1056

Delta R.T. -0.00 min

Lab File: VU039590.D

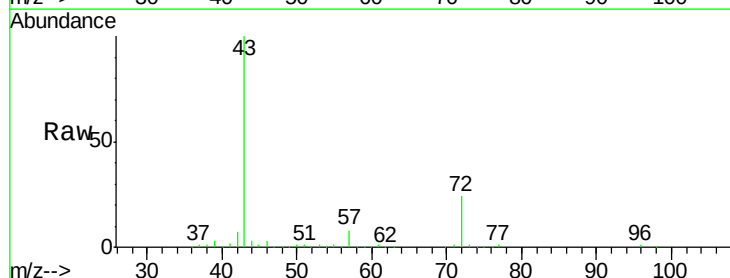
Acq: 21 Jul 2020 10:54

Tgt Ion: 43 Resp: 529657

Ion Ratio Lower Upper

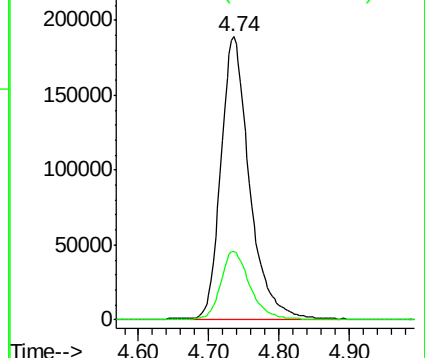
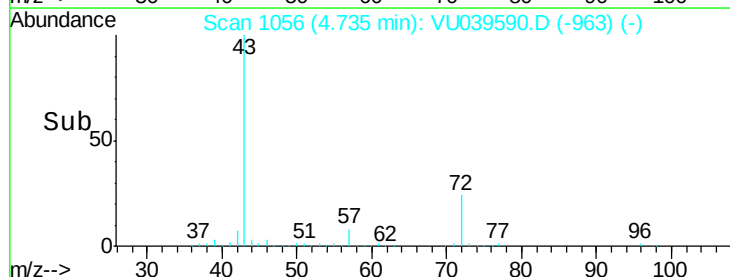
43 100

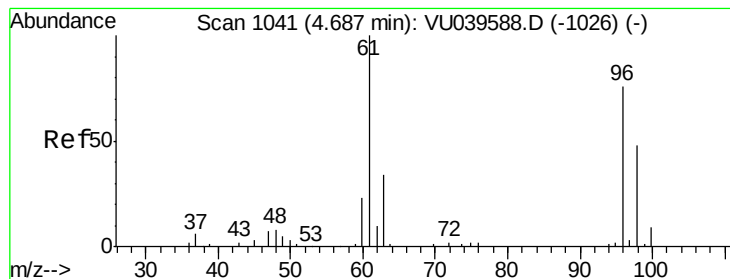
72 25.4 12.2 36.4



Abundance Ion 43.05 (42.75 to 43.75): VU039590.D (-963) (-)

Ion 72.10 (71.80 to 72.80): VU039590.D (-963) (-)





#22

cis-1,2-Dichloroethene

Concen: 17.290 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VU039590.D

Acq: 21 Jul 2020 10:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD02004

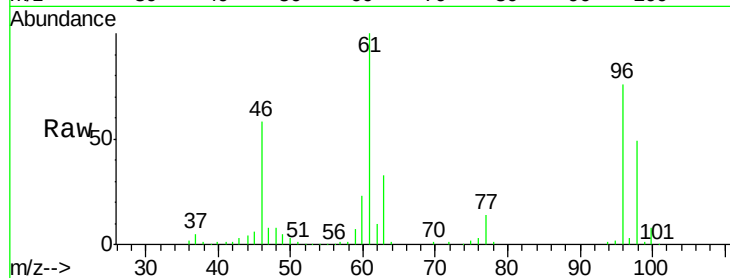
Tgt Ion: 96 Resp: 169684

Ion Ratio Lower Upper

96 100

61 131.6 93.0 172.8

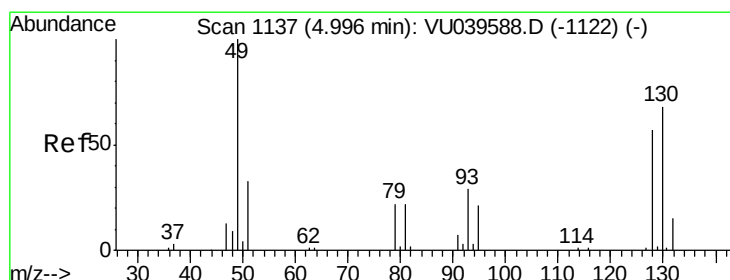
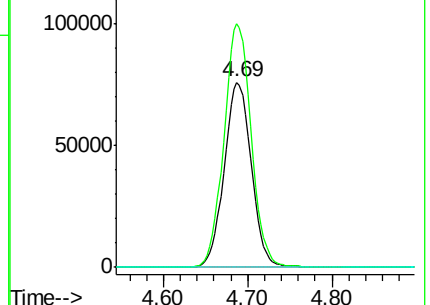
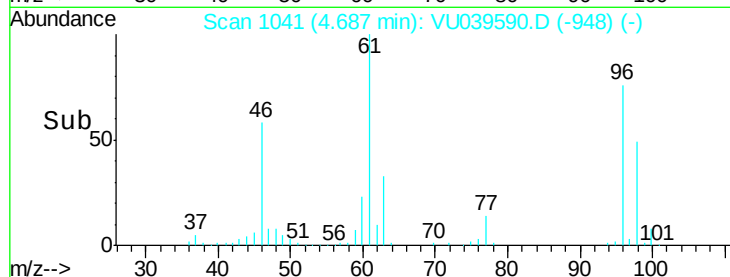
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039590.D (-1044) (-)

Ion 61.05 (60.75 to 61.75): VU039590.D (-1044) (-)

Ion 68.15 (67.85 to 68.85): VU039590.D (-1044) (-)



#23

Bromochloromethane

Concen: 17.511 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VU039590.D

Acq: 21 Jul 2020 10:54

Tgt Ion: 128 Resp: 77924

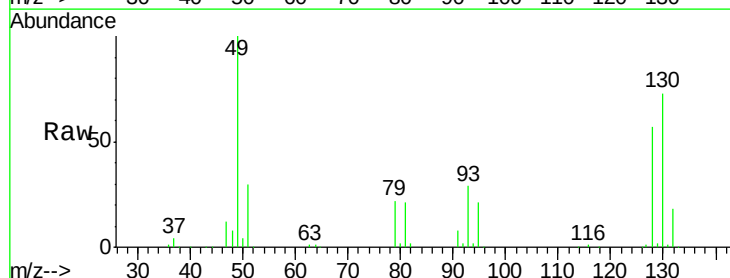
Ion Ratio Lower Upper

128 100

49 175.6 123.1 228.7

130 128.0 83.2 154.4

51 53.5 46.2 69.2

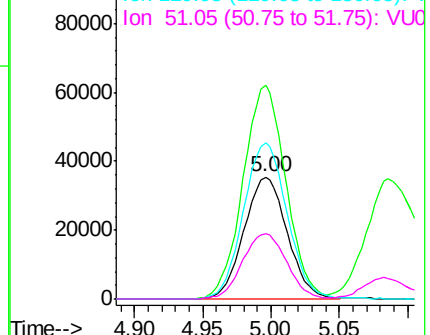
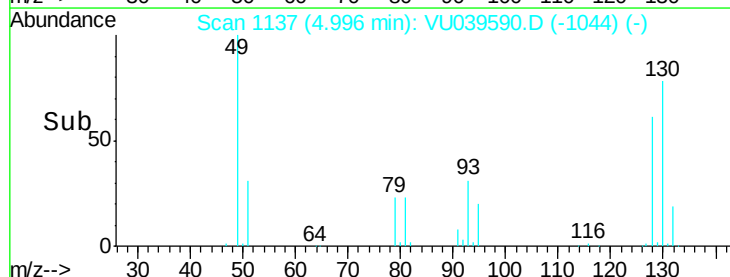


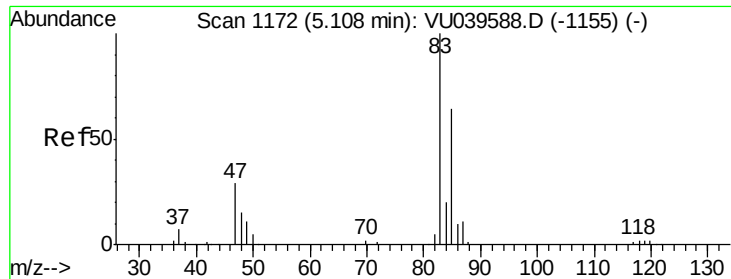
Abundance Ion 127.90 (127.60 to 128.60): VU039590.D (-1044) (-)

Ion 49.10 (48.80 to 49.80): VU039590.D (-1044) (-)

Ion 129.95 (129.65 to 130.65): VU039590.D (-1044) (-)

Ion 51.05 (50.75 to 51.75): VU039590.D (-1044) (-)

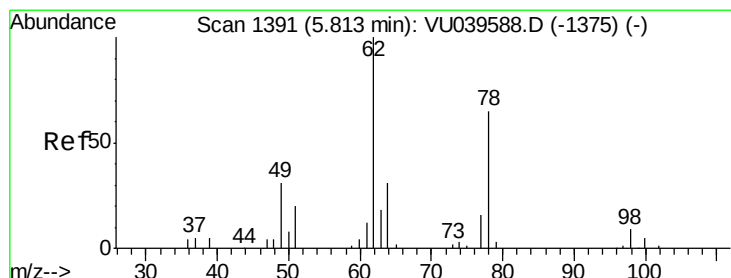
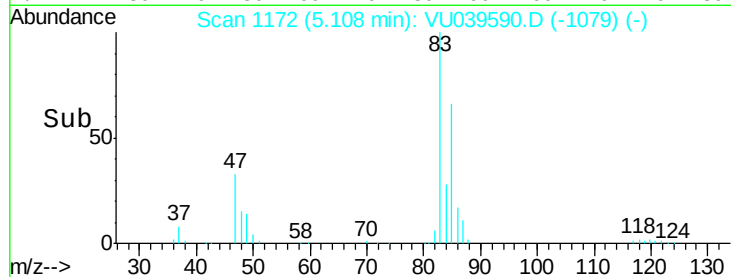
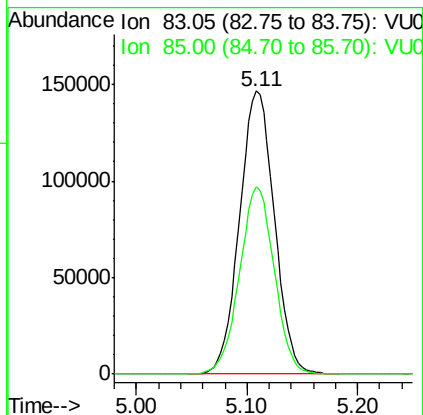
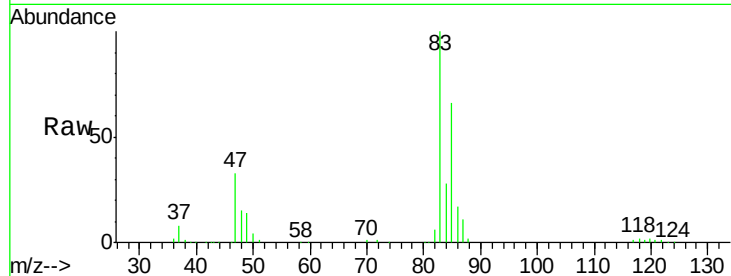




#25
Chloroform
Concen: 18.286 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VU039590.D
Acq: 21 Jul 2020 10:54

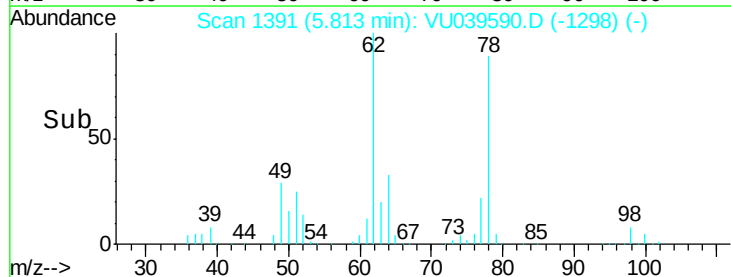
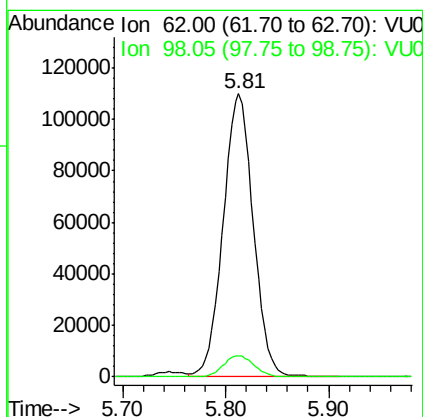
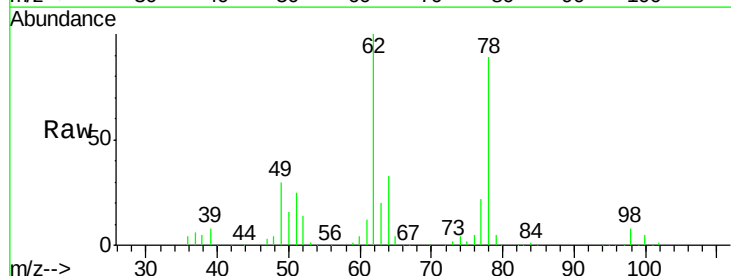
Instrument :
MSVOA_U
ClientSampleId :
VSTD02004

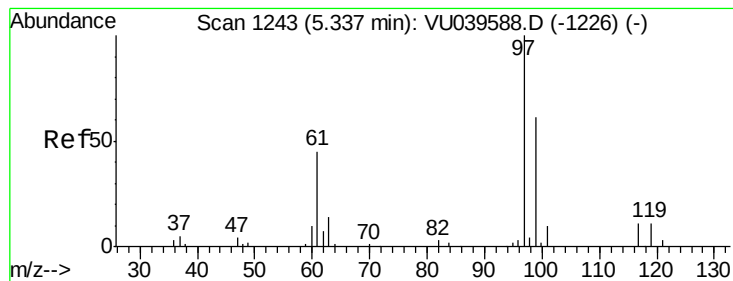
Tgt Ion: 83 Resp: 321664
Ion Ratio Lower Upper
83 100
85 66.1 44.4 82.5



#27
1,2-Dichloroethane
Concen: 17.666 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU039590.D
Acq: 21 Jul 2020 10:54

Tgt Ion: 62 Resp: 223320
Ion Ratio Lower Upper
62 100
98 7.6 6.7 10.1





#29

1,1,1-Trichloroethane

Concen: 18.575 ug/L

RT: 5.34 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VU039590.D

Acq: 21 Jul 2020 10:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD02004

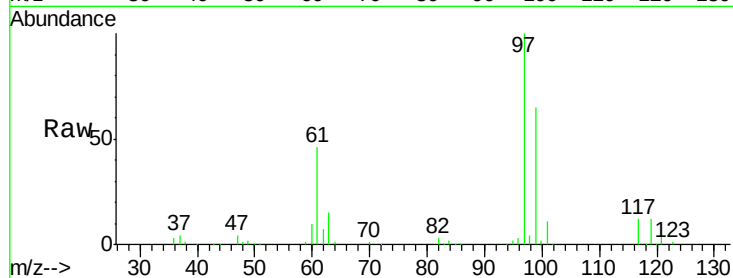
Tgt Ion: 97 Resp: 286705

Ion Ratio Lower Upper

97 100

99 64.4 49.5 74.3

61 47.2 38.8 58.2

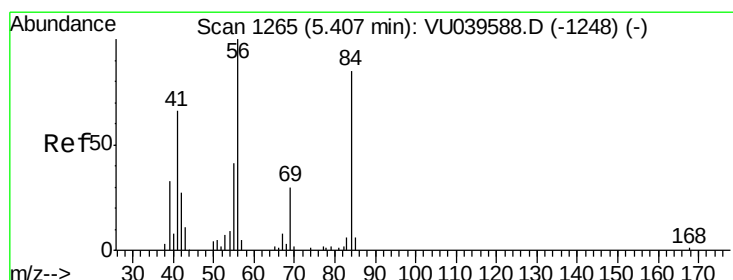
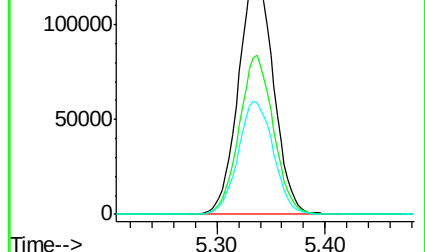
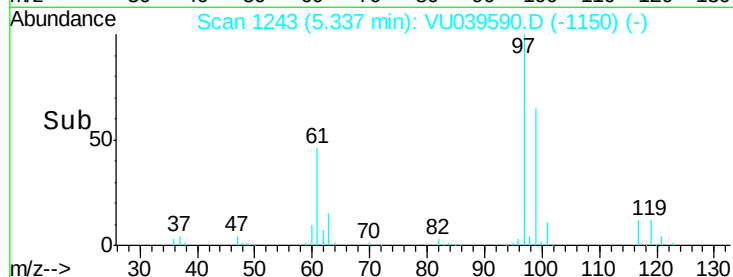


Abundance Ion 96.95 (96.65 to 97.65): VU039588.D (-1226) (-)

Ion 99.05 (98.75 to 99.75): VU039588.D (-1226) (-)

Ion 61.05 (60.75 to 61.75): VU039588.D (-1226) (-)

Time-->



#30

Cyclohexane

Concen: 16.440 ug/L

RT: 5.41 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VU039590.D

Acq: 21 Jul 2020 10:54

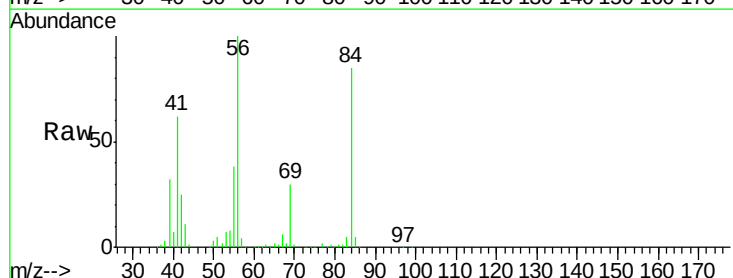
Tgt Ion: 56 Resp: 256904

Ion Ratio Lower Upper

56 100

69 30.2 24.0 36.0

84 83.8 69.8 104.6

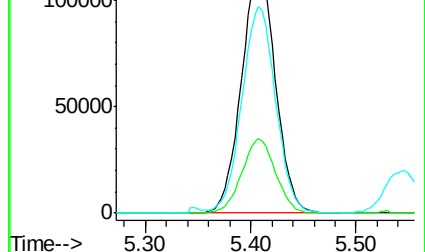
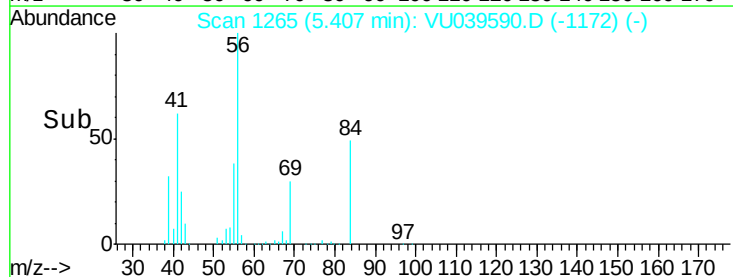


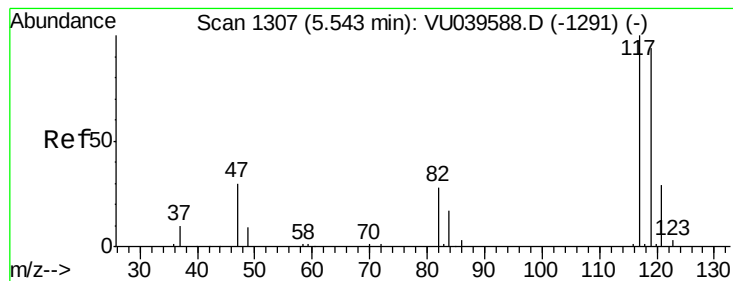
Abundance Ion 56.10 (55.80 to 56.80): VU039588.D (-1248) (-)

Ion 69.15 (68.85 to 69.85): VU039588.D (-1248) (-)

Ion 84.15 (83.85 to 84.85): VU039588.D (-1248) (-)

Time-->





#31

Carbon tetrachloride

Concen: 18.960 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VU039590.D

Acq: 21 Jul 2020 10:54

Instrument :

MSVOA_U

ClientSampleId :

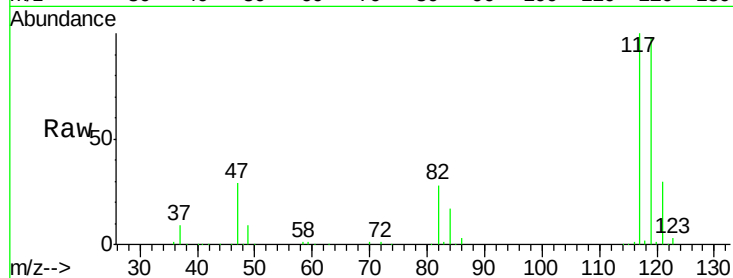
VSTD02004

Tgt Ion:117 Resp: 248825

Ion Ratio Lower Upper

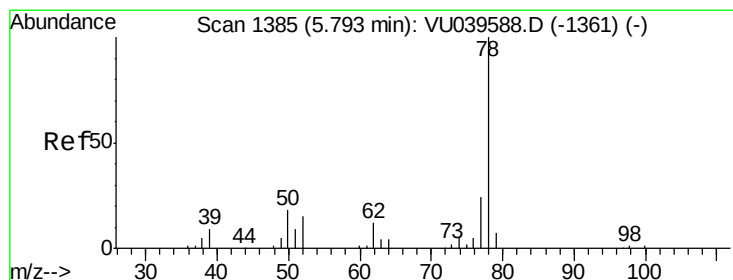
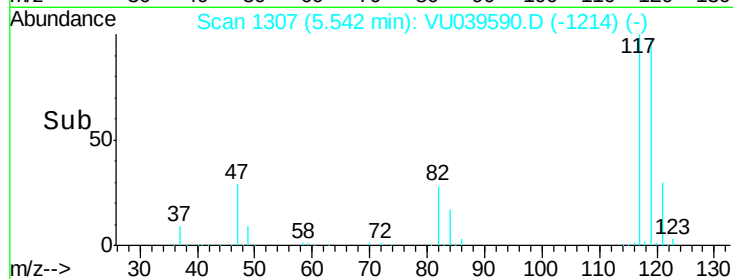
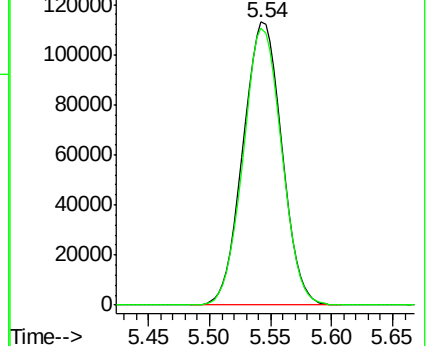
117 100

119 96.6 75.7 113.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 16.804 ug/L

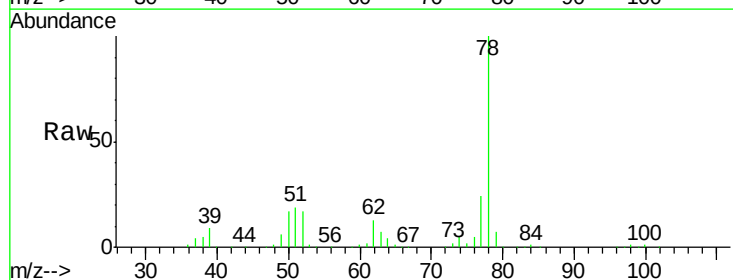
RT: 5.79 min Scan# 1385

Delta R.T. -0.00 min

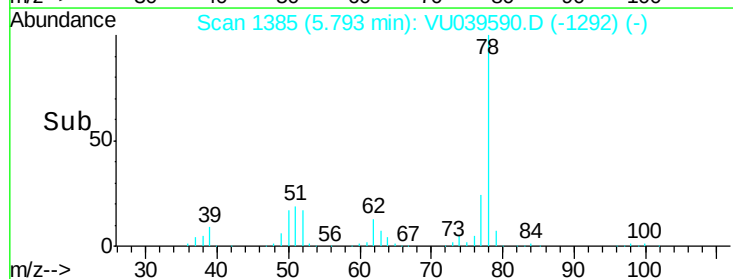
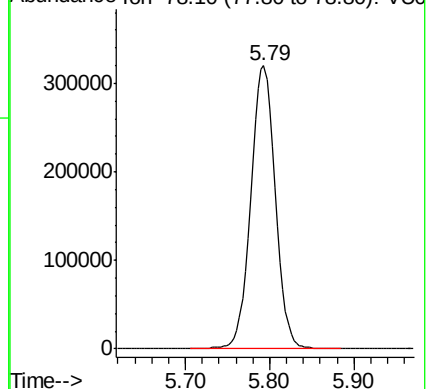
Lab File: VU039590.D

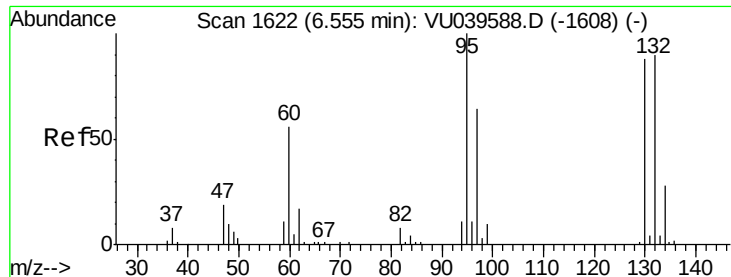
Acq: 21 Jul 2020 10:54

Tgt Ion: 78 Resp: 647127



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 17.697 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. -0.00 min

Lab File: VU039590.D

Acq: 21 Jul 2020 10:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD02004

Tgt Ion: 95 Resp: 176840

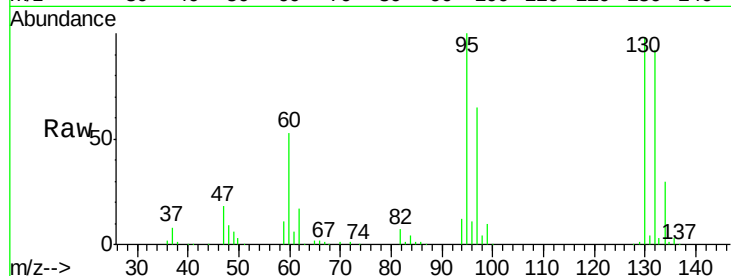
Ion Ratio Lower Upper

95 100

97 64.9 44.9 83.3

132 92.4 62.8 116.6

130 97.7 61.5 114.1

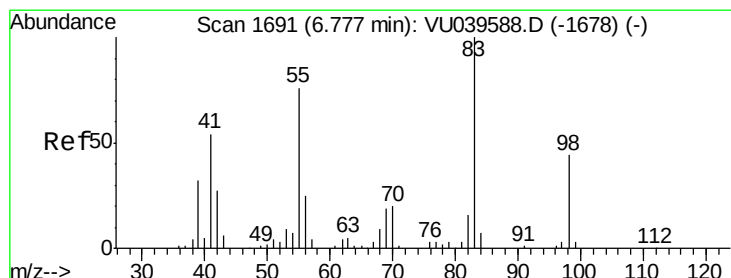
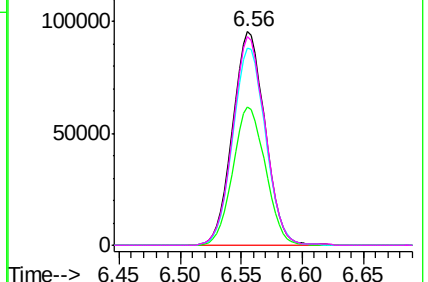
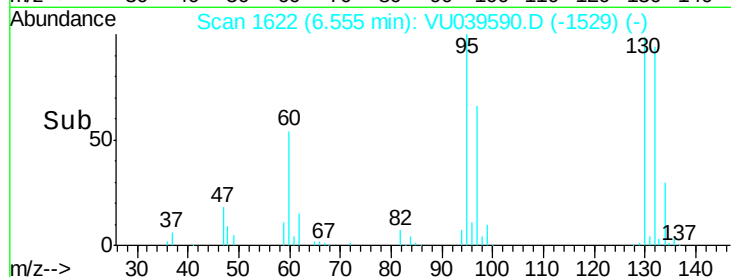


Abundance Ion 95.00 (94.70 to 95.70): VU039590.D (-1529) (-)

Ion 96.95 (96.65 to 97.65): VU039590.D (-1529) (-)

Ion 131.95 (131.65 to 132.65): VU039590.D (-1529) (-)

Ion 129.95 (129.65 to 130.65): VU039590.D (-1529) (-)



#35

Methylcyclohexane

Concen: 17.372 ug/L

RT: 6.78 min Scan# 1691

Delta R.T. -0.00 min

Lab File: VU039590.D

Acq: 21 Jul 2020 10:54

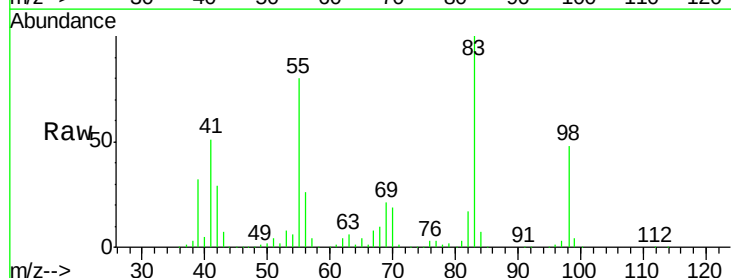
Tgt Ion: 83 Resp: 273302

Ion Ratio Lower Upper

83 100

55 77.7 63.0 94.6

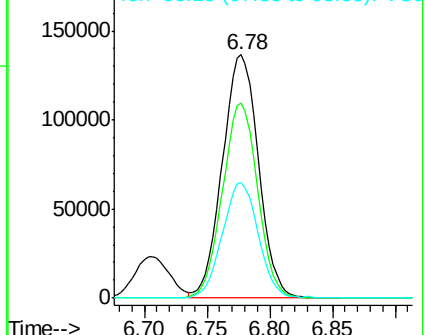
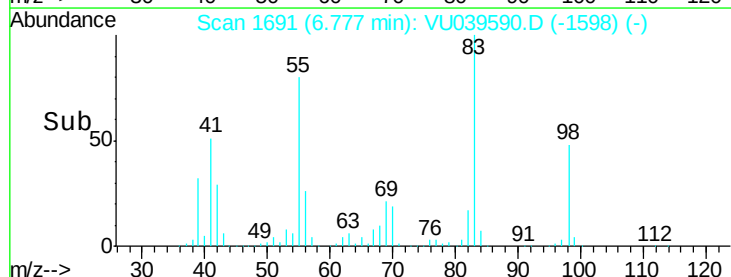
98 47.1 35.3 52.9

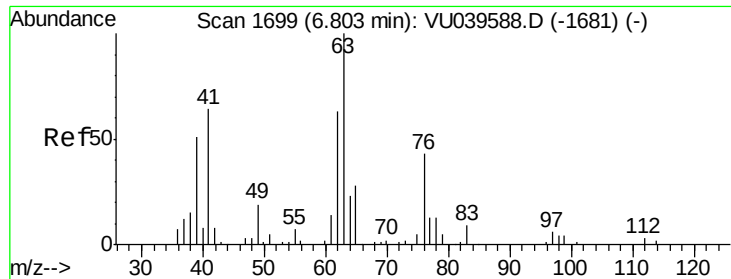


Abundance Ion 83.15 (82.85 to 83.85): VU039590.D (-1598) (-)

Ion 55.10 (54.80 to 55.80): VU039590.D (-1598) (-)

Ion 98.15 (97.85 to 98.85): VU039590.D (-1598) (-)

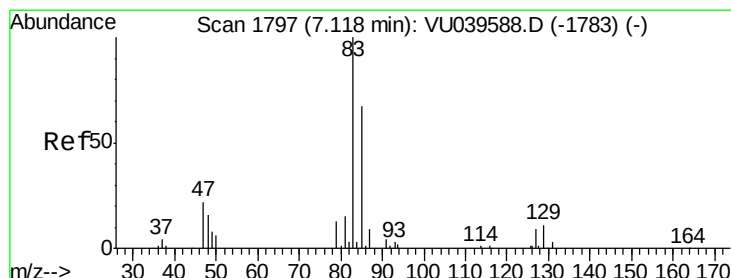
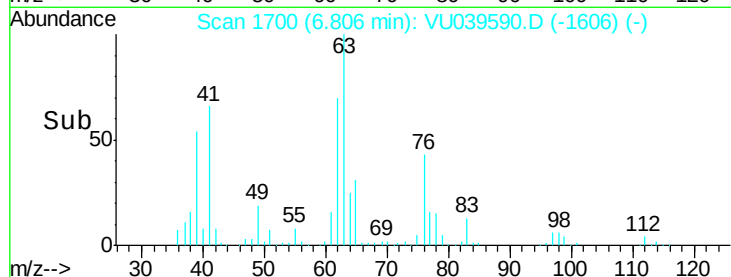
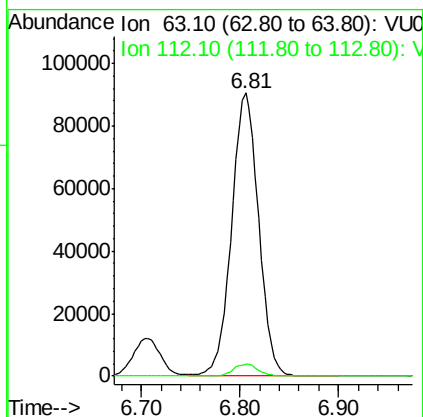
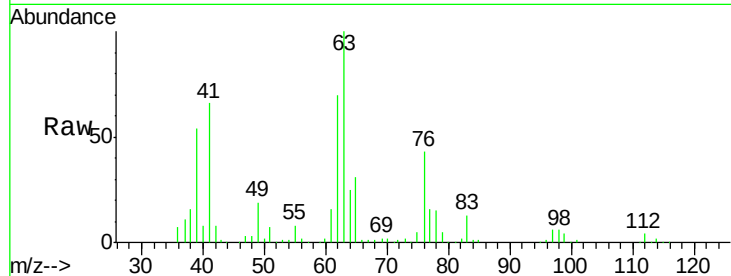




#37
 1,2-Dichloropropane
 Concen: 16.449 ug/L
 RT: 6.81 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VU039590.D
 Acq: 21 Jul 2020 10:54

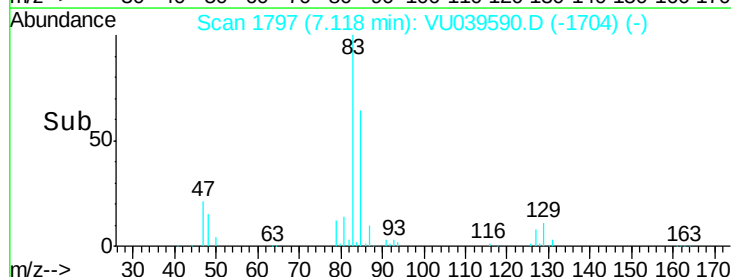
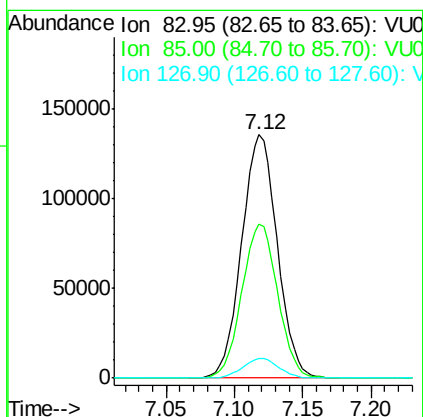
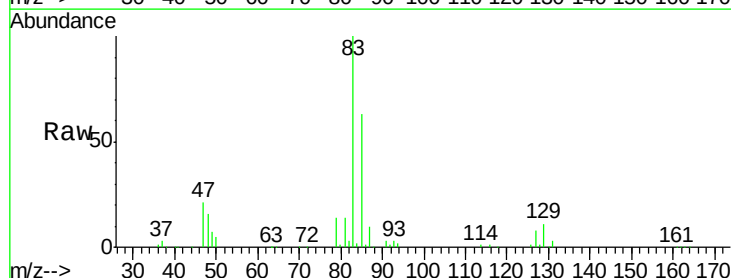
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02004

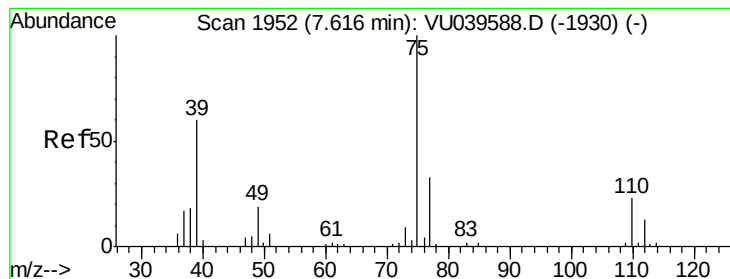
Tgt Ion: 63 Resp: 172874
 Ion Ratio Lower Upper
 63 100
 112 3.9 2.7 4.1



#38
 Bromodichloromethane
 Concen: 18.197 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VU039590.D
 Acq: 21 Jul 2020 10:54

Tgt Ion: 83 Resp: 245657
 Ion Ratio Lower Upper
 83 100
 85 63.5 46.6 86.6
 127 8.1 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 17.257 ug/L

RT: 7.62 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VU039590.D

Acq: 21 Jul 2020 10:54

Instrument :

MSVOA_U

ClientSampleId :

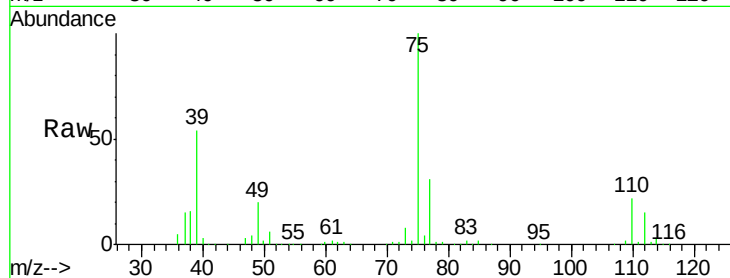
VSTD02004

Tgt Ion: 75 Resp: 273083

Ion Ratio Lower Upper

75 100

77 31.1 23.2 43.0



Abundance Ion 75.05 (74.75 to 75.75): VU039588.D (-1930) (-)

Ion 77.05 (76.75 to 77.75): VU039588.D (-1930) (-)

7.62

150000

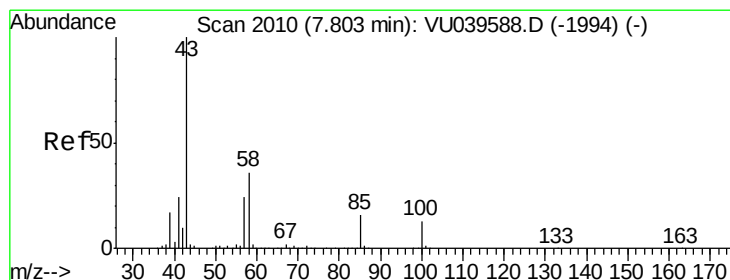
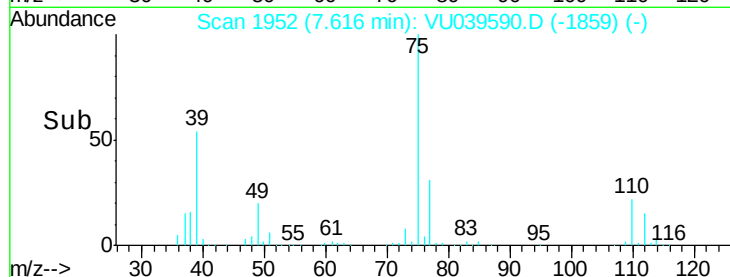
100000

50000

0

7.50 7.55 7.60 7.65 7.70

Time-->



#40

4-Methyl-2-pentanone

Concen: 162.259 ug/L

RT: 7.80 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU039590.D

Acq: 21 Jul 2020 10:54

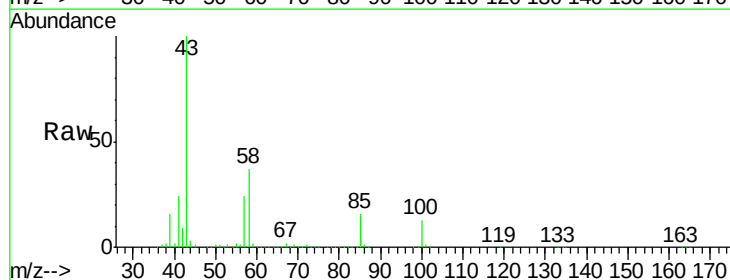
Tgt Ion: 43 Resp: 1412102

Ion Ratio Lower Upper

43 100

58 37.0 29.2 43.8

100 13.3 10.5 15.7



Abundance Ion 43.05 (42.75 to 43.75): VU039588.D (-1994) (-)

Ion 58.05 (57.75 to 58.75): VU039588.D (-1994) (-)

Ion 100.15 (99.85 to 100.85): VU039588.D (-1994) (-)

7.80

1000000

800000

600000

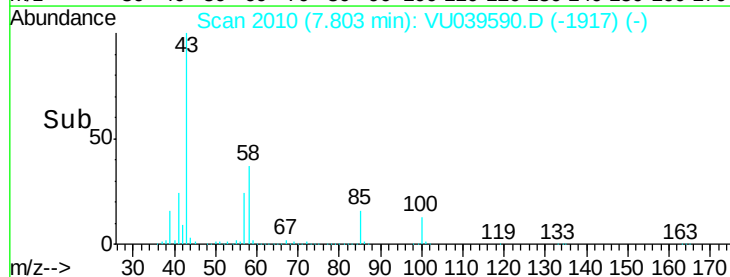
400000

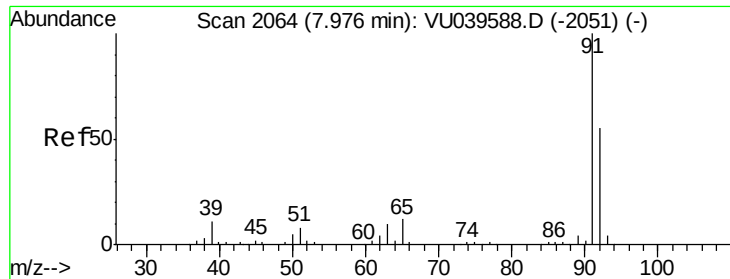
200000

0

7.70 7.75 7.80 7.85 7.90

Time-->





#42

Toluene

Concen: 18.149 ug/L

RT: 7.98 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VU039590.D

Acq: 21 Jul 2020 10:54

Instrument :

MSVOA_U

ClientSampleId :

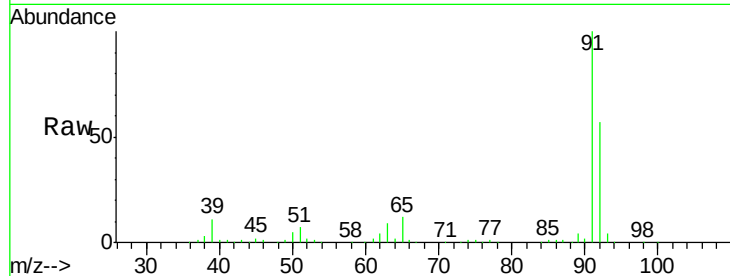
VSTD02004

Tgt Ion: 91 Resp: 751649

Ion Ratio Lower Upper

91 100

92 57.1 38.6 71.6



Abundance Ion 91.15 (90.85 to 91.85): VU039588.D (-2051) (-)

Ion 92.15 (91.85 to 92.85): VU039588.D (-2051) (-)

7.98

400000

300000

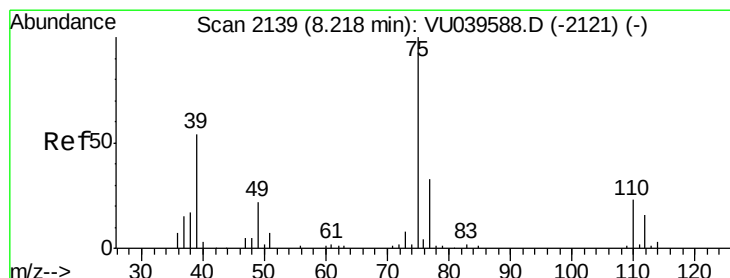
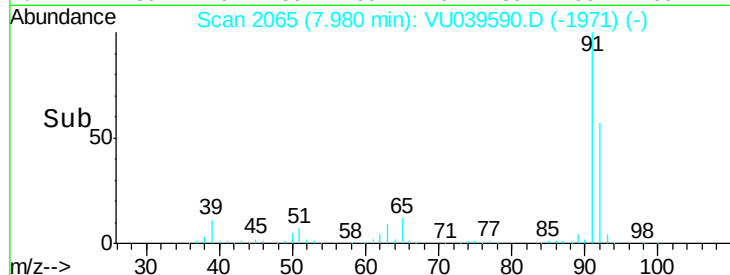
200000

100000

0

Time-->

7.90 7.95 8.00 8.05



#44

trans-1,3-Dichloropropene

Concen: 17.930 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU039590.D

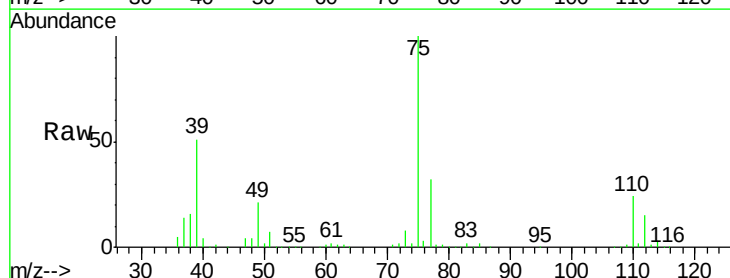
Acq: 21 Jul 2020 10:54

Tgt Ion: 75 Resp: 251684

Ion Ratio Lower Upper

75 100

77 32.3 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VU039588.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU039588.D (-2121) (-)

8.22

150000

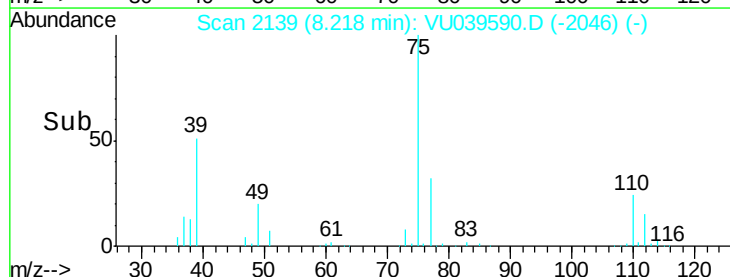
100000

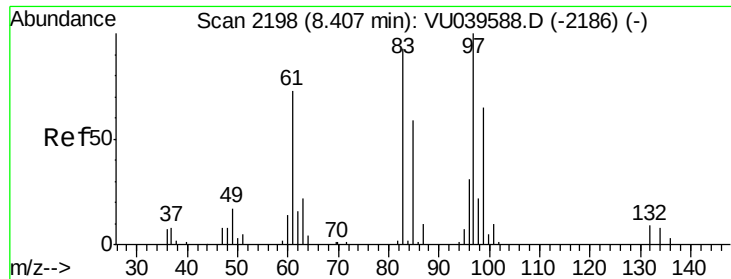
50000

0

Time-->

8.10 8.20 8.30

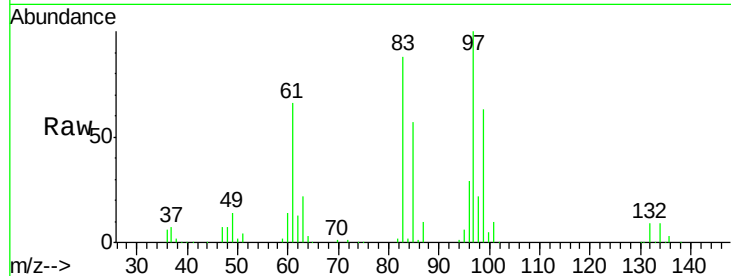




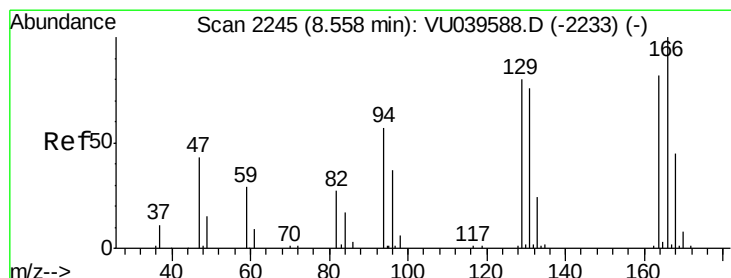
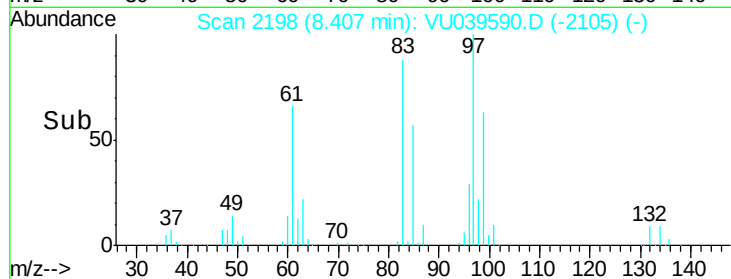
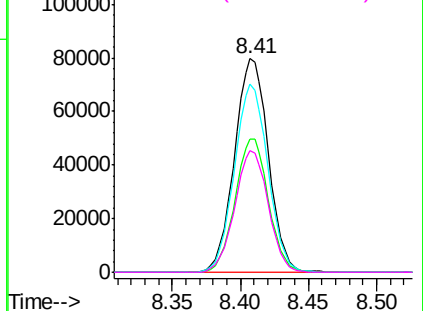
#45
1,1,2-Trichloroethane
Concen: 18.154 ug/L
RT: 8.41 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VU039590.D
Acq: 21 Jul 2020 10:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD02004

Tgt Ion:	97	Resp:	137434
Ion	Ratio	Lower	Upper
97	100		
99	62.6	45.2	84.0
83	88.1	64.9	120.5
85	57.0	41.4	77.0

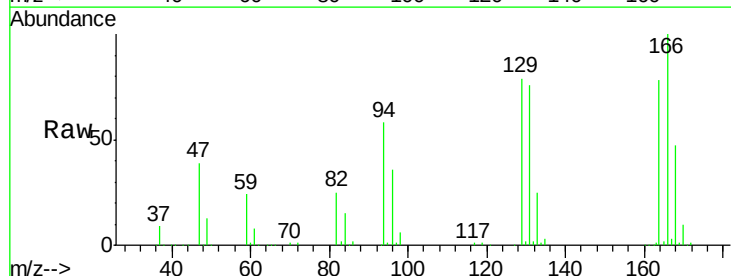


Abundance Ion 96.95 (96.65 to 97.65): VU039590.D (-2105) (-)

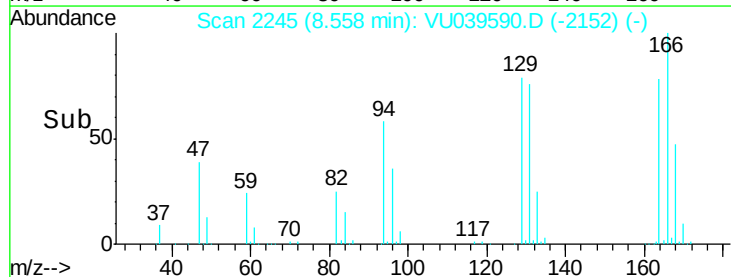
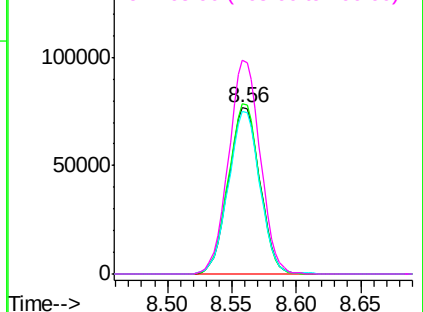


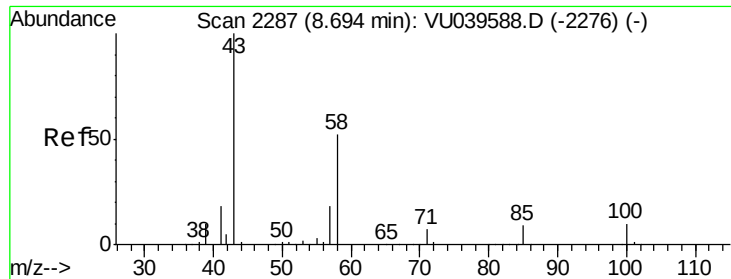
#47
Tetrachloroethene
Concen: 18.603 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VU039590.D
Acq: 21 Jul 2020 10:54

Tgt Ion:	164	Resp:	130262
Ion	Ratio	Lower	Upper
164	100		
129	102.2	67.9	126.1
131	97.6	64.7	120.1
166	128.7	85.1	158.1



Abundance Ion 163.90 (163.60 to 164.60): VU039590.D (-2152) (-)



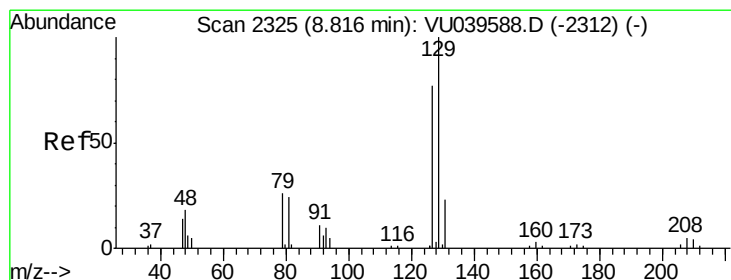
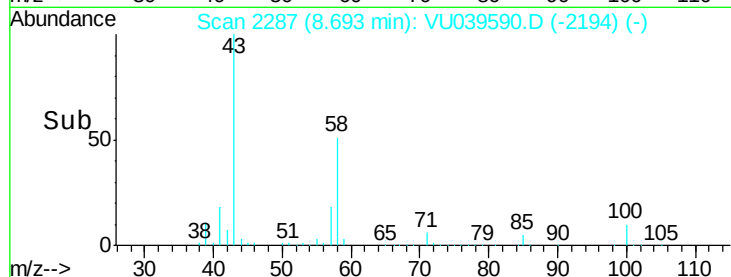
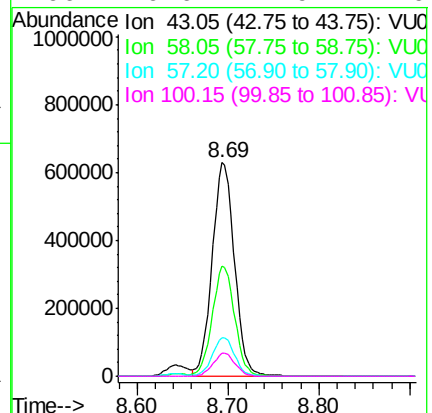
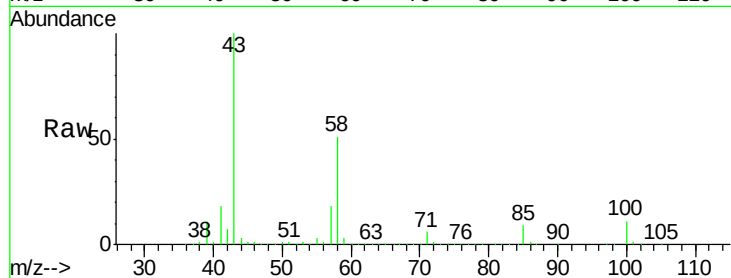


#48
2-Hexanone
Concen: 167.602 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. -0.00 min
Lab File: VU039590.D
Acq: 21 Jul 2020 10:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD02004

Tgt Ion: 43 Resp: 1072573

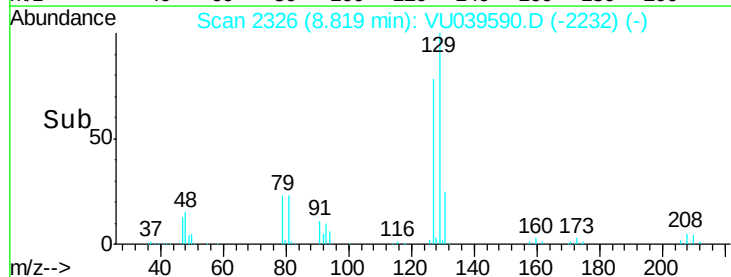
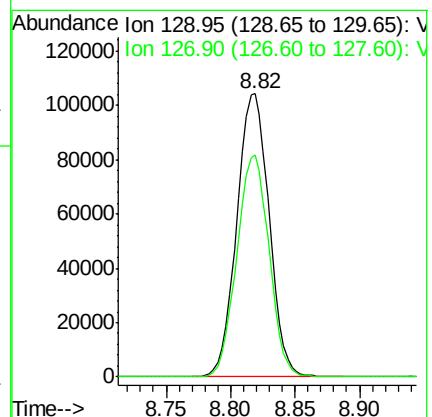
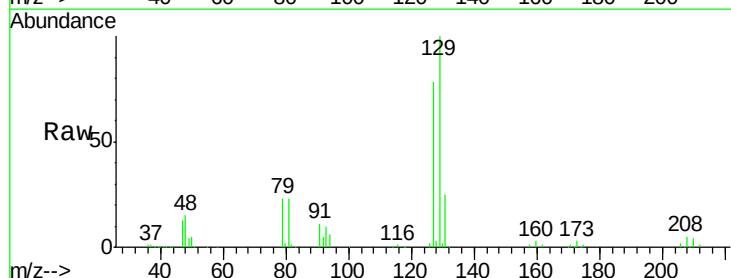
Ion	Ratio	Lower	Upper
43	100		
58	51.6	40.9	61.3
57	18.1	14.6	21.8
100	10.6	7.9	11.9

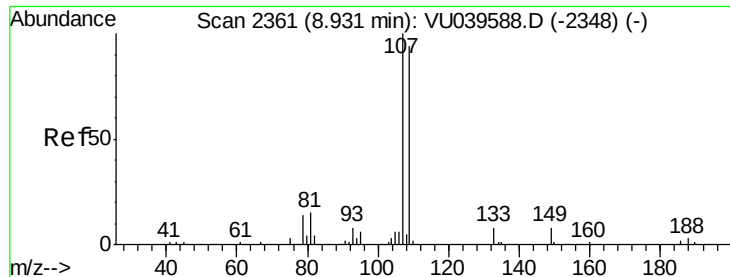


#49
Dibromochloromethane
Concen: 19.679 ug/L
RT: 8.82 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU039590.D
Acq: 21 Jul 2020 10:54

Tgt Ion: 129 Resp: 181937

Ion	Ratio	Lower	Upper
129	100		
127	78.3	53.8	99.8

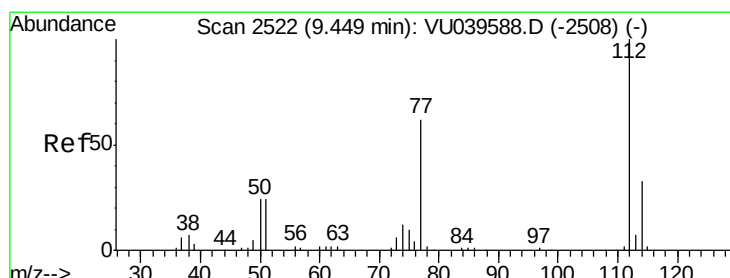
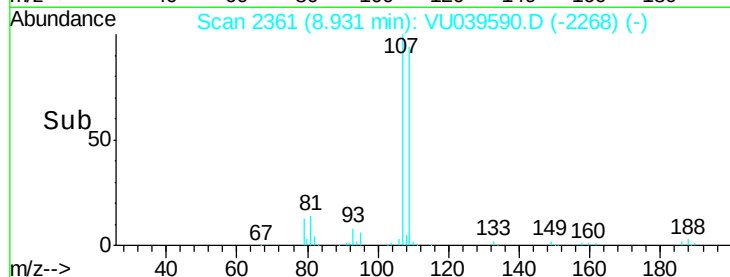
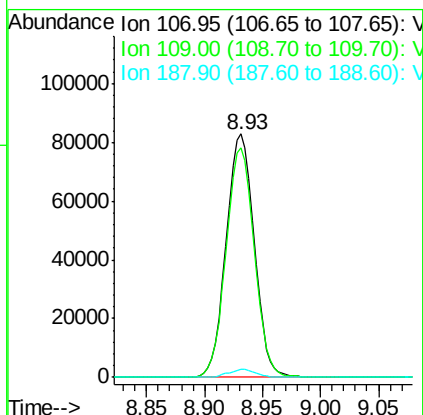
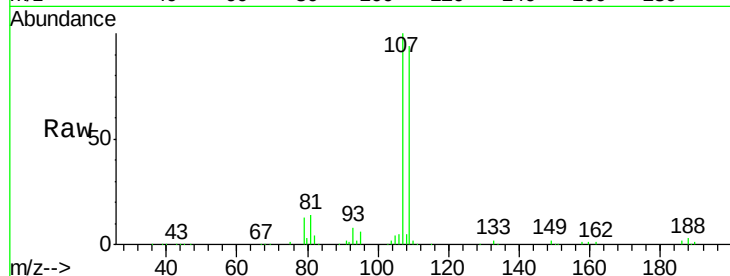




#50
1,2-Dibromoethane
Concen: 18.038 ug/L
RT: 8.93 min Scan# 2361
Delta R.T. -0.00 min
Lab File: VU039590.D
Acq: 21 Jul 2020 10:54

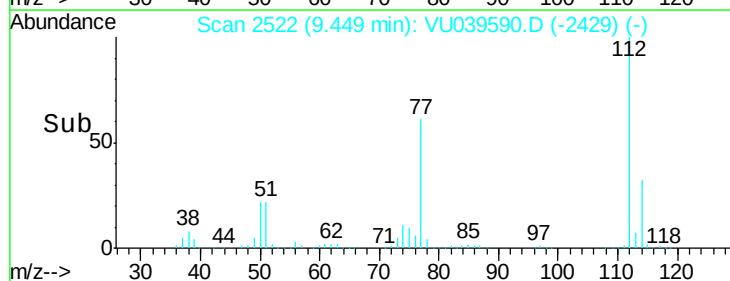
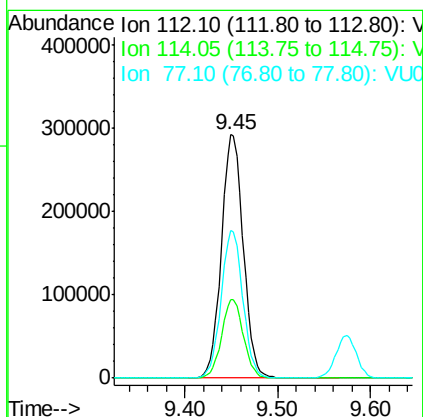
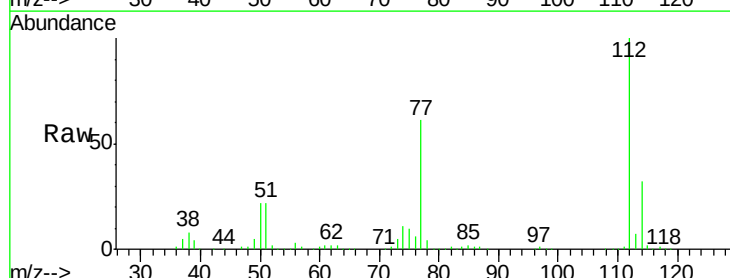
Instrument :
MSVOA_U
ClientSampleId :
VSTD02004

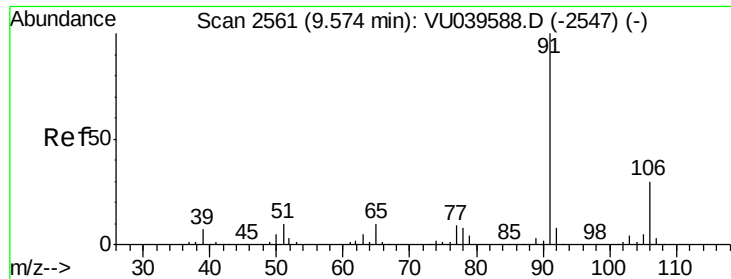
Tgt Ion:107 Resp: 138353
Ion Ratio Lower Upper
107 100
109 94.2 66.1 122.7
188 3.2 2.4 3.6



#51
Chlorobenzene
Concen: 18.727 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU039590.D
Acq: 21 Jul 2020 10:54

Tgt Ion:112 Resp: 477451
Ion Ratio Lower Upper
112 100
114 32.4 22.9 42.5
77 60.6 50.0 75.0





#52

Ethylbenzene

Concen: 19.087 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. -0.00 min

Lab File: VU039590.D

Acq: 21 Jul 2020 10:54

Instrument :

MSVOA_U

ClientSampleId :

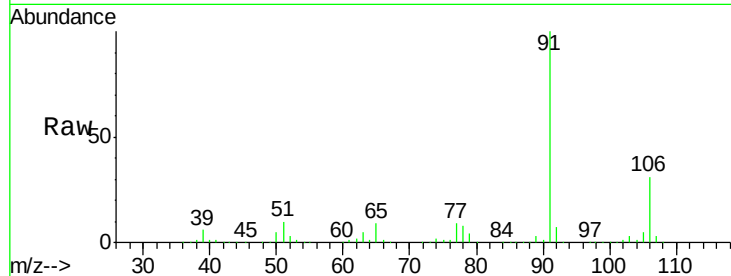
VSTD02004

Tgt Ion: 91 Resp: 877708

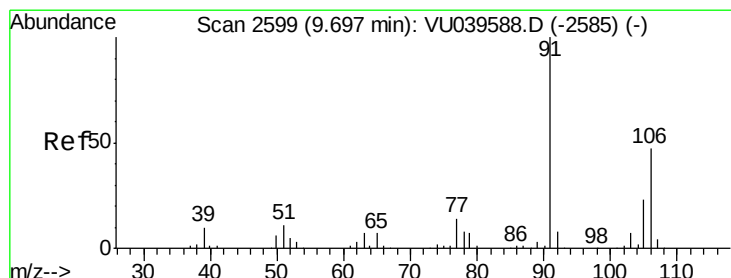
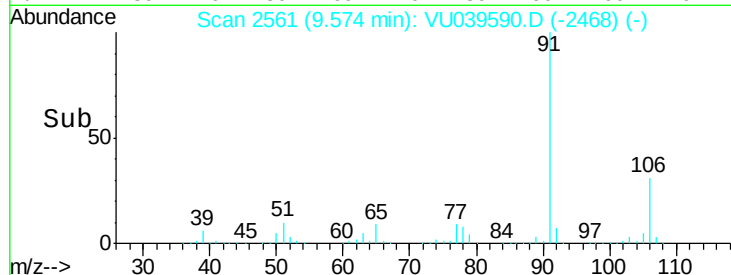
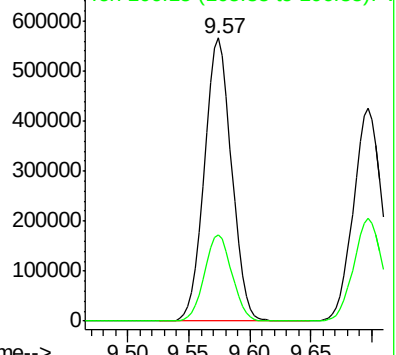
Ion Ratio Lower Upper

91 100

106 30.6 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039588.D (-2547) (-)



#53

m,p-Xylene

Concen: 19.405 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU039590.D

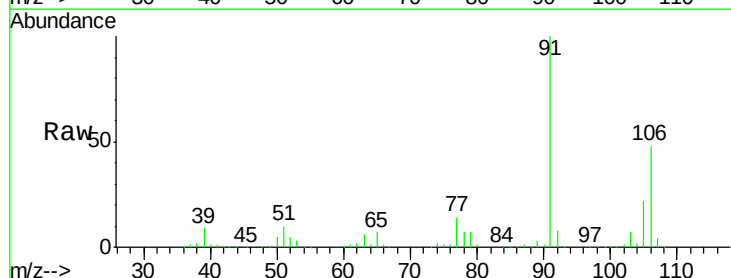
Acq: 21 Jul 2020 10:54

Tgt Ion: 106 Resp: 336650

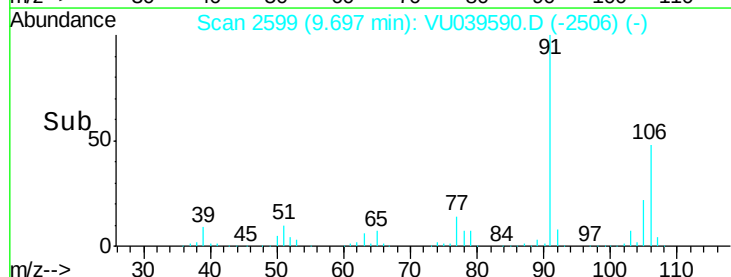
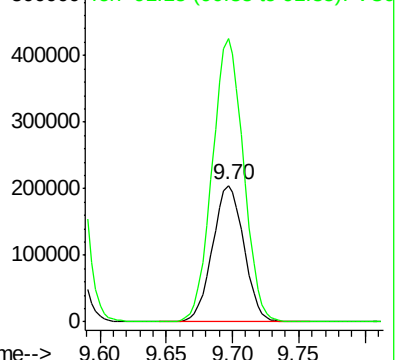
Ion Ratio Lower Upper

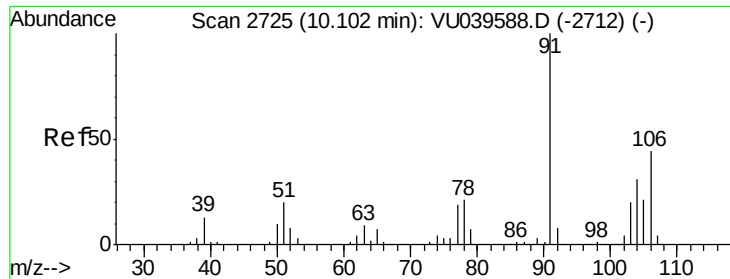
106 100

91 207.1 149.3 277.3



Abundance Ion 106.15 (105.85 to 106.85): VU039588.D (-2585) (-)

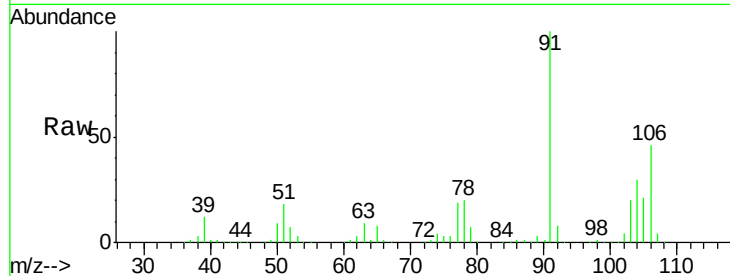




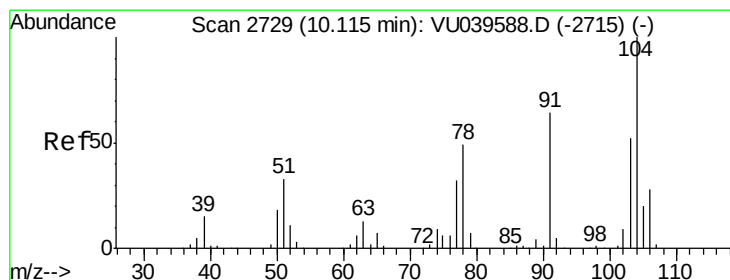
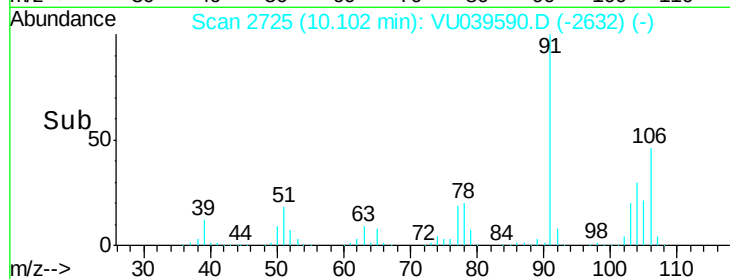
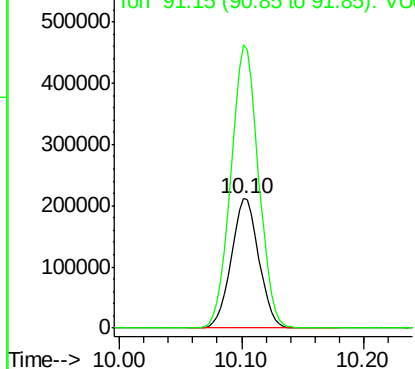
#54
o-Xylene
Concen: 19.599 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU039590.D
Acq: 21 Jul 2020 10:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD02004

Tgt Ion:106 Resp: 331931
Ion Ratio Lower Upper
106 100
91 218.7 157.4 292.4

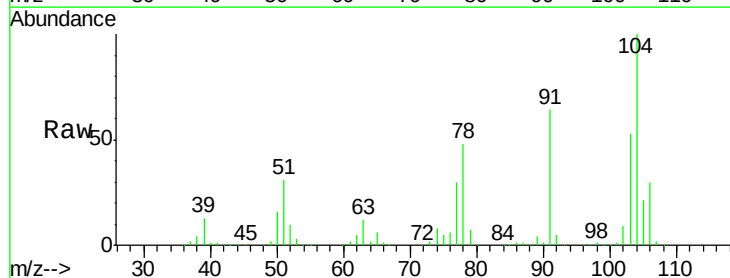


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

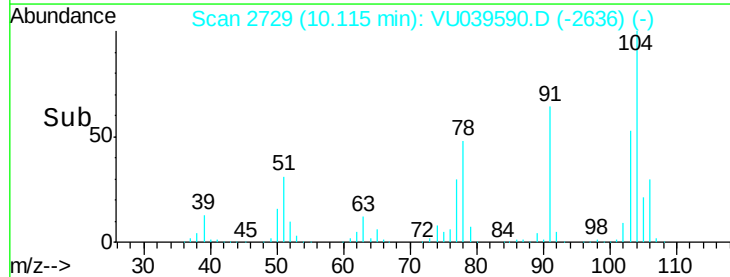
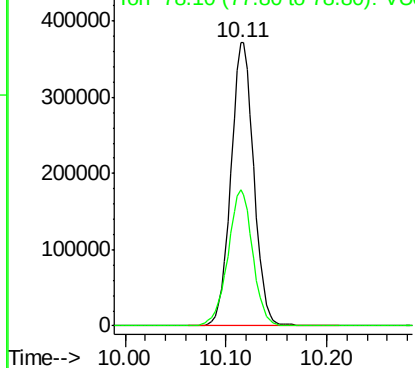


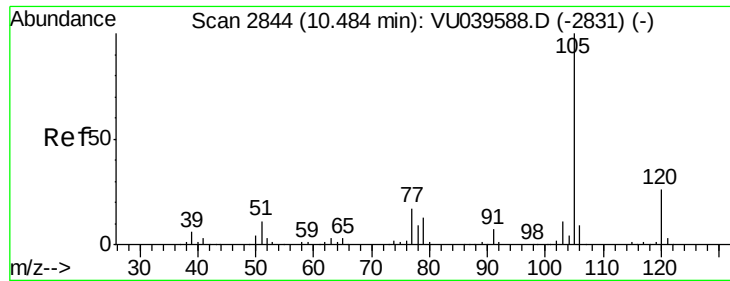
#55
Styrene
Concen: 19.970 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU039590.D
Acq: 21 Jul 2020 10:54

Tgt Ion:104 Resp: 588905
Ion Ratio Lower Upper
104 100
78 48.2 34.4 64.0



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





#56

Isopropylbenzene

Concen: 20.077 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039590.D

Acq: 21 Jul 2020 10:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD02004

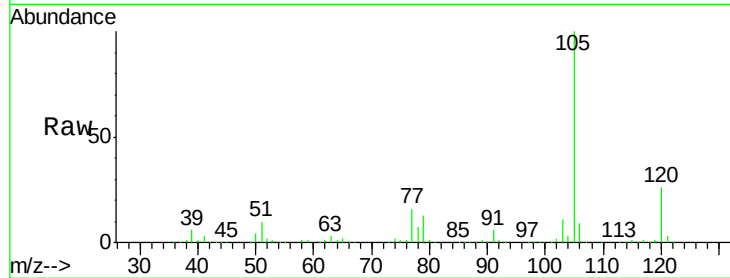
Tgt Ion: 105 Resp: 920559

Ion Ratio Lower Upper

105 100

120 26.4 20.9 31.3

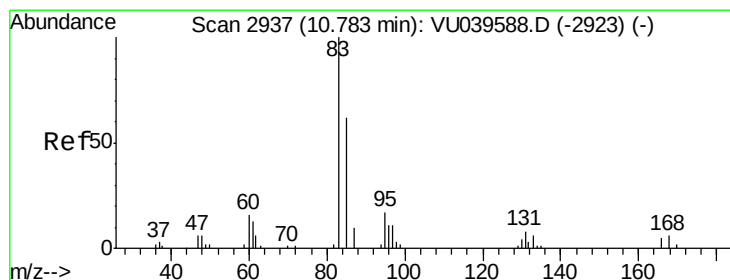
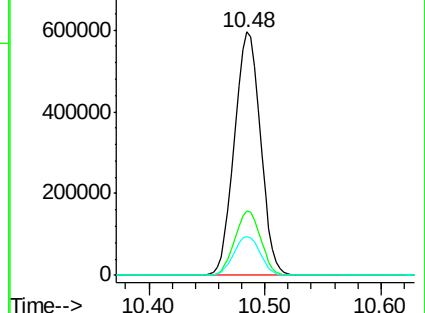
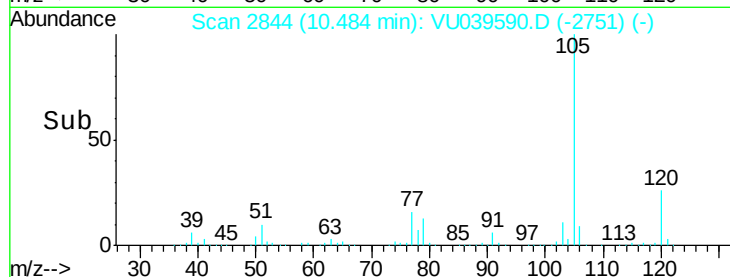
77 16.3 13.6 20.4



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: 17.919 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. -0.00 min

Lab File: VU039590.D

Acq: 21 Jul 2020 10:54

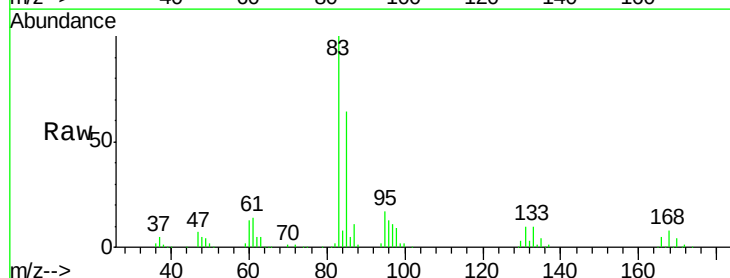
Tgt Ion: 83 Resp: 189318

Ion Ratio Lower Upper

83 100

85 64.1 43.5 80.9

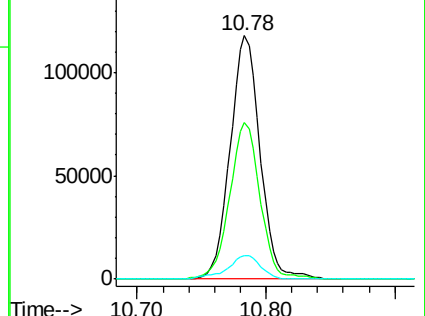
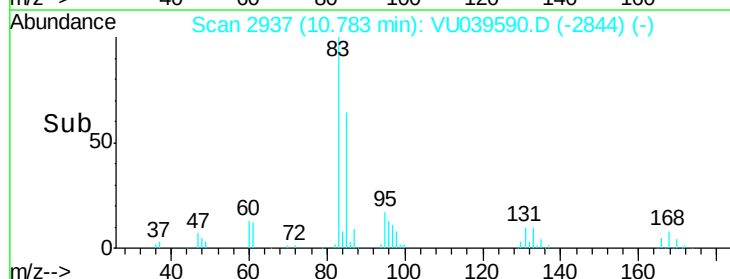
131 9.9 7.4 11.0

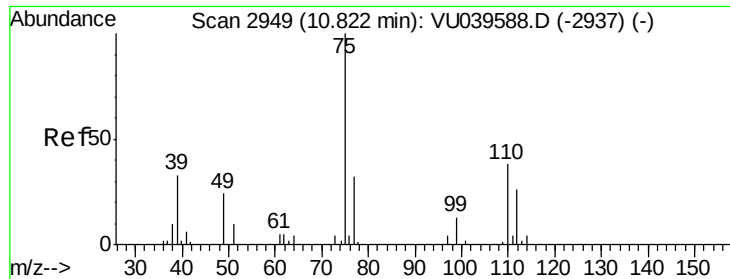


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 17.244 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU039590.D

Acq: 21 Jul 2020 10:54

Instrument :

MSVOA_U

ClientSampleId :

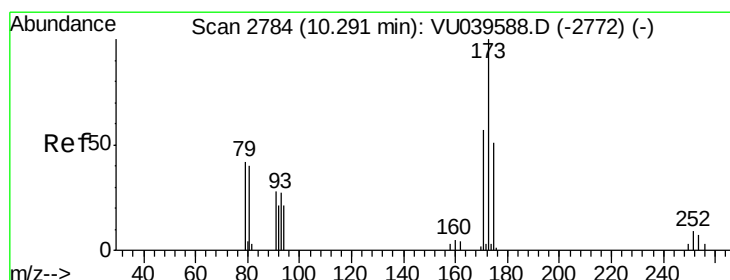
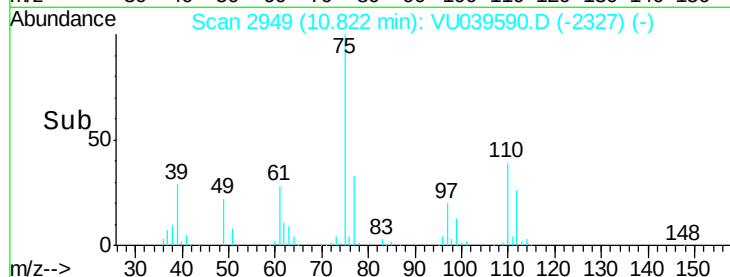
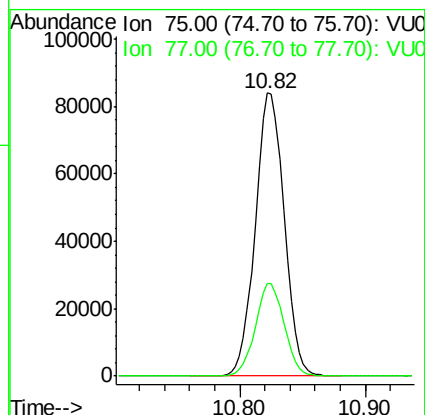
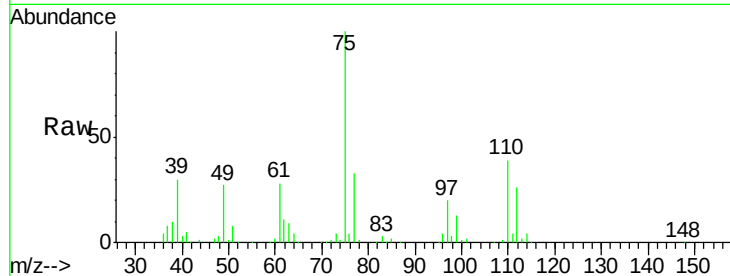
VSTD02004

Tgt Ion: 75 Resp: 134856

Ion Ratio Lower Upper

75 100

77 32.6 25.5 38.3



#61

Bromoform

Concen: 19.096 ug/L

RT: 10.29 min Scan# 2785

Delta R.T. 0.00 min

Lab File: VU039590.D

Acq: 21 Jul 2020 10:54

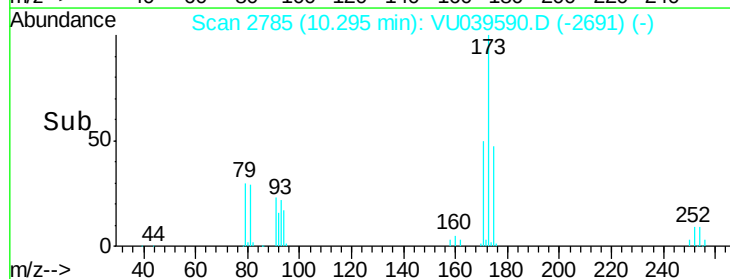
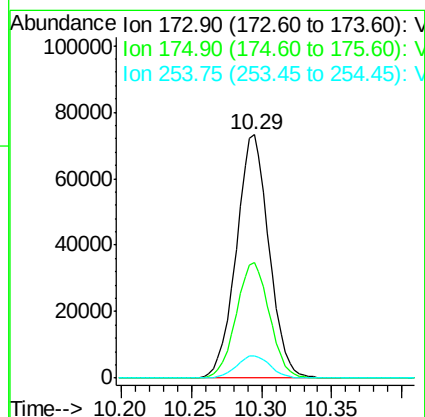
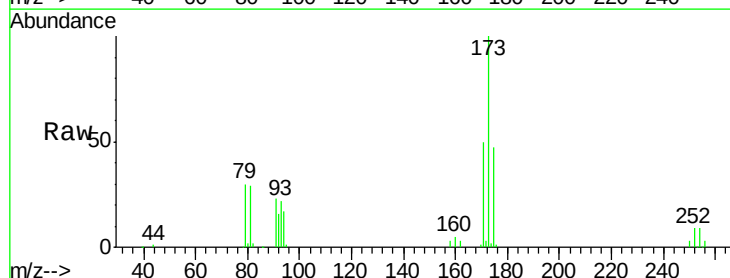
Tgt Ion: 173 Resp: 118795

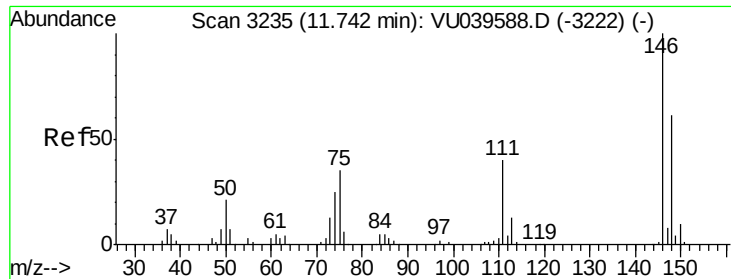
Ion Ratio Lower Upper

173 100

175 48.5 39.9 59.9

254 9.5 6.5 9.7

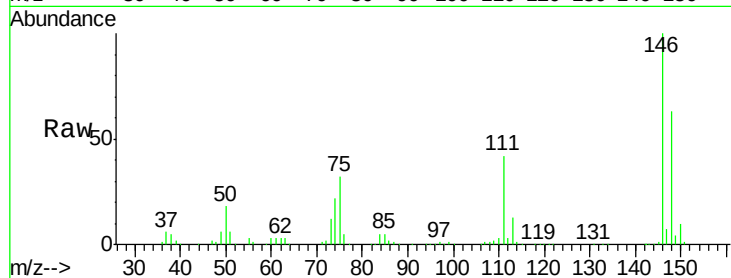




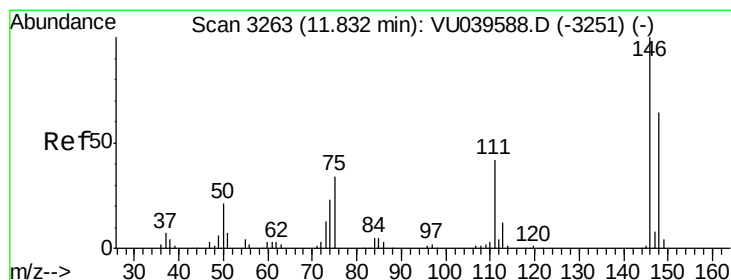
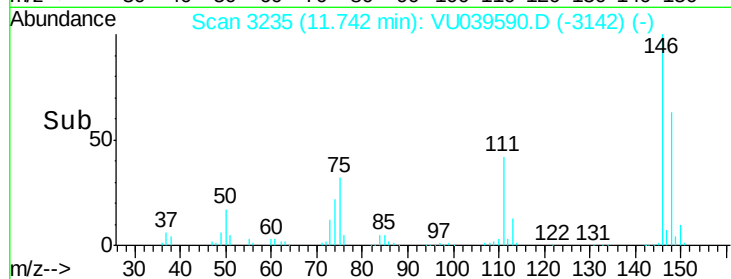
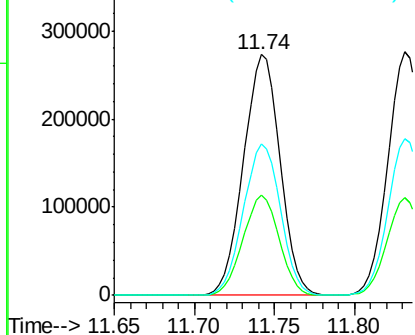
#62
 1,3-Dichlorobenzene
 Concen: 18.396 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU039590.D
 Acq: 21 Jul 2020 10:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02004

Tgt Ion:146 Resp: 428062
 Ion Ratio Lower Upper
 146 100
 111 41.5 27.9 51.9
 148 62.8 43.0 80.0

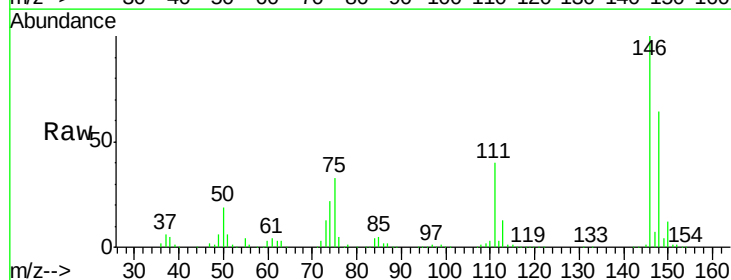


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

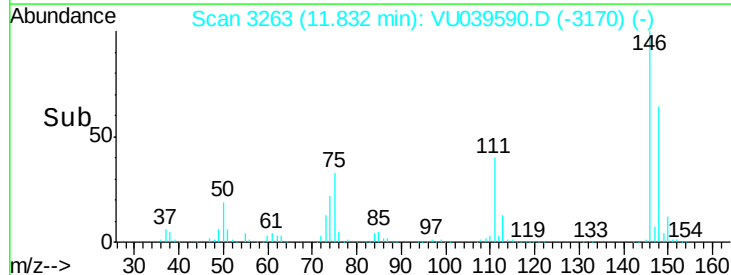
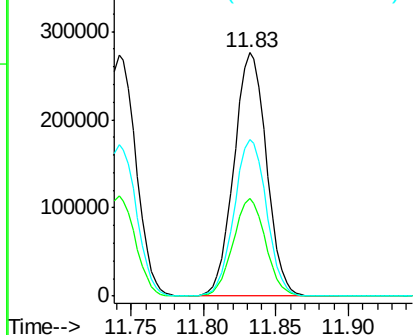


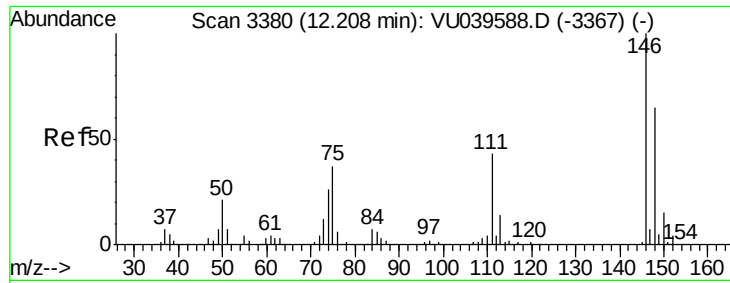
#63
 1,4-Dichlorobenzene
 Concen: 18.351 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU039590.D
 Acq: 21 Jul 2020 10:54

Tgt Ion:146 Resp: 429356
 Ion Ratio Lower Upper
 146 100
 111 39.9 29.9 55.5
 148 64.2 44.8 83.2



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

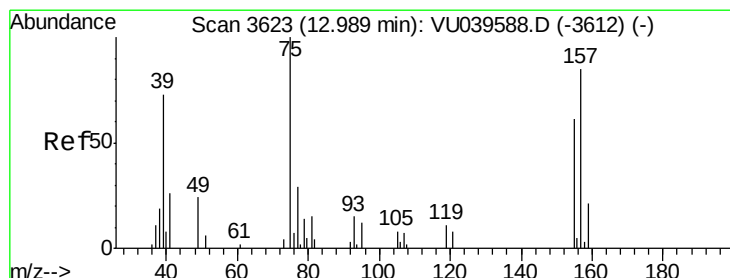
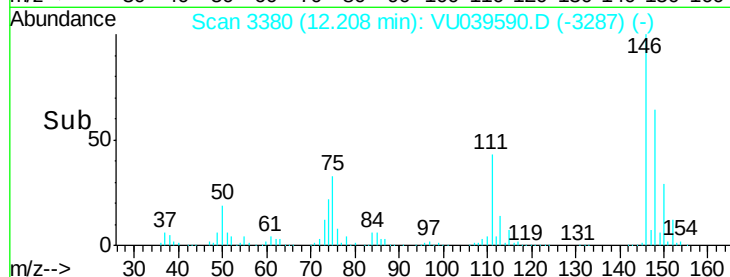
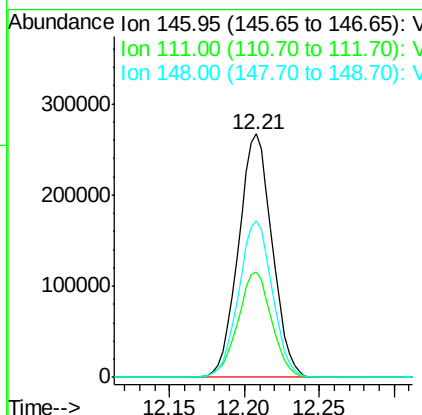
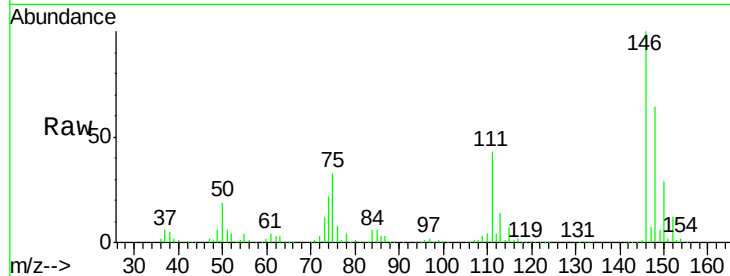




#65
 1,2-Dichlorobenzene
 Concen: 17.940 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU039590.D
 Acq: 21 Jul 2020 10:54

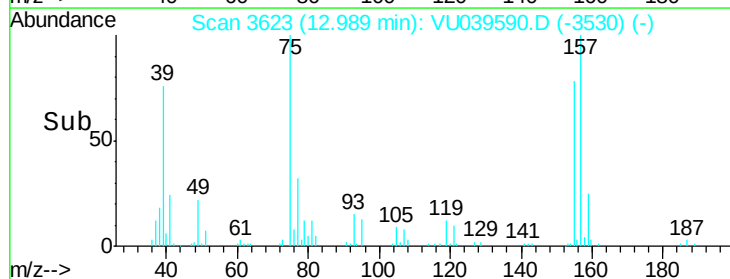
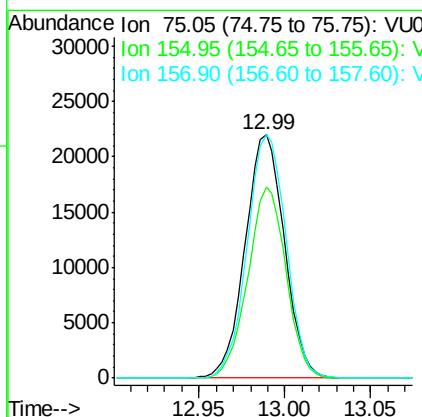
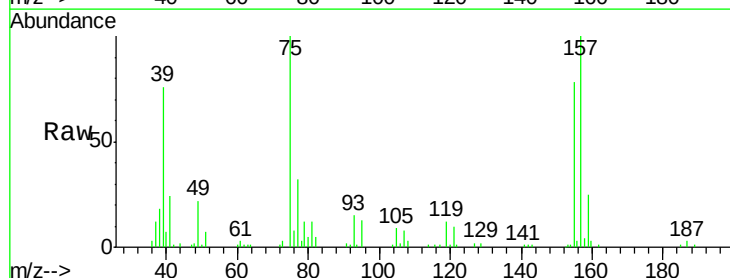
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02004

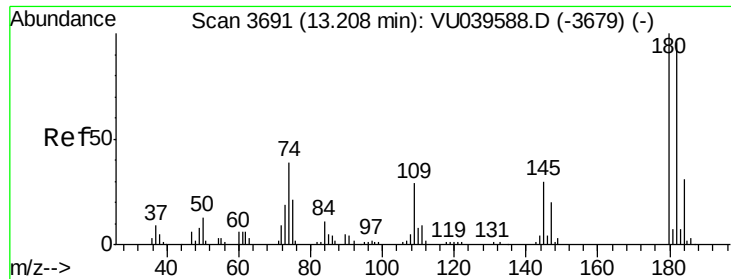
Tgt Ion: 146 Resp: 417689
 Ion Ratio Lower Upper
 146 100
 111 43.2 34.3 51.5
 148 64.1 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 17.140 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU039590.D
 Acq: 21 Jul 2020 10:54

Tgt Ion: 75 Resp: 34865
 Ion Ratio Lower Upper
 75 100
 155 78.3 48.4 72.6#
 157 99.9 68.2 102.2

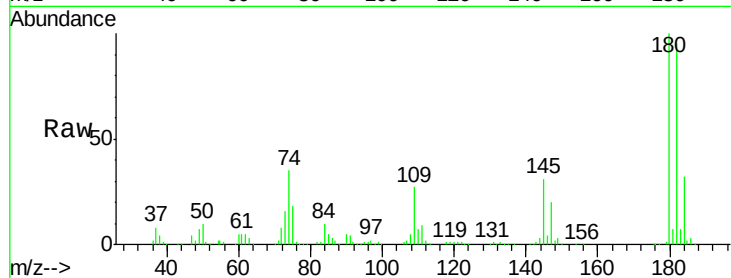




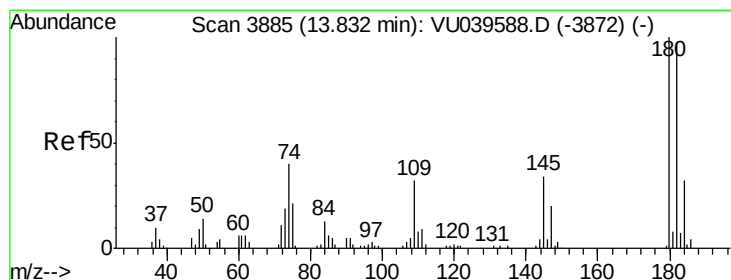
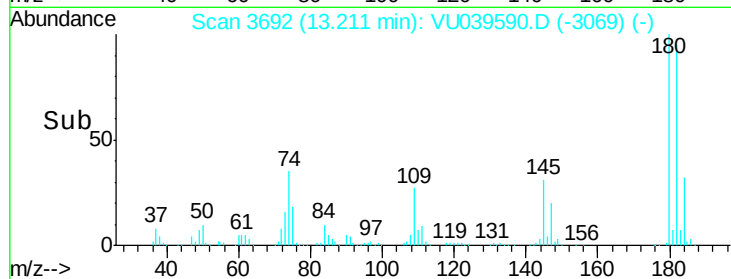
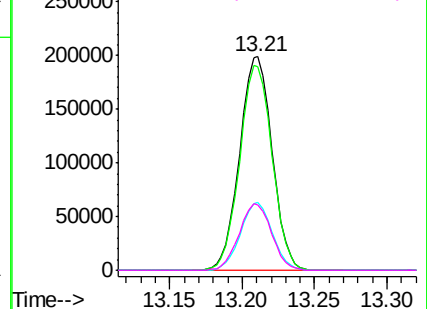
#67
 1,3,5-Trichlorobenzene
 Concen: 17.796 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039590.D
 Acq: 21 Jul 2020 10:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02004

Tgt Ion:180 Resp: 309681
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.5 114.7
 184 31.0 24.8 37.2
 145 31.1 23.8 35.8

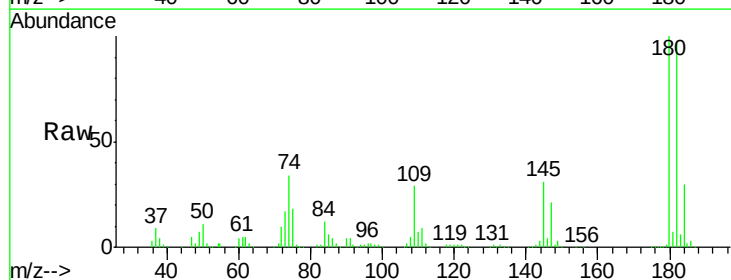


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

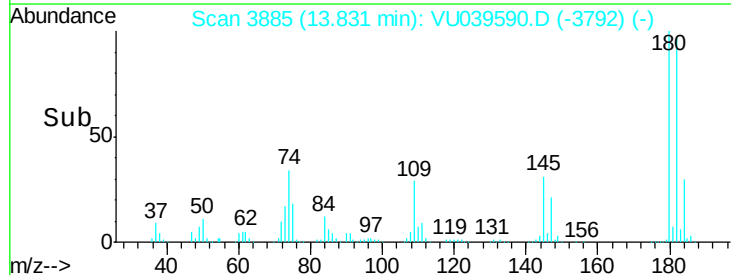
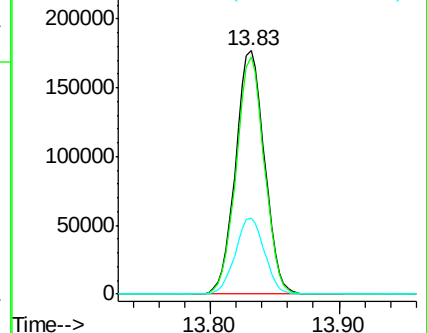


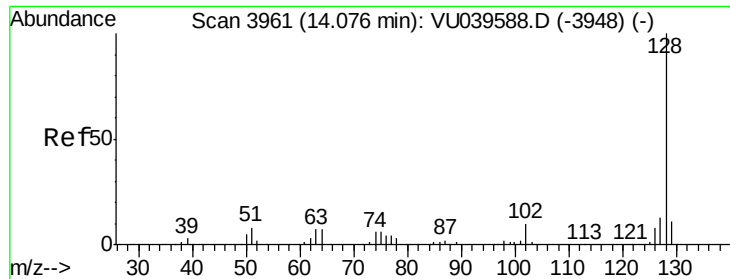
#68
 1,2,4-trichlorobenzene
 Concen: 18.650 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU039590.D
 Acq: 21 Jul 2020 10:54

Tgt Ion:180 Resp: 274712
 Ion Ratio Lower Upper
 180 100
 182 94.8 78.8 118.2
 145 31.5 26.7 40.1



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





#69

Naphthalene

Concen: 17.557 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU039590.D

Acq: 21 Jul 2020 10:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD02004

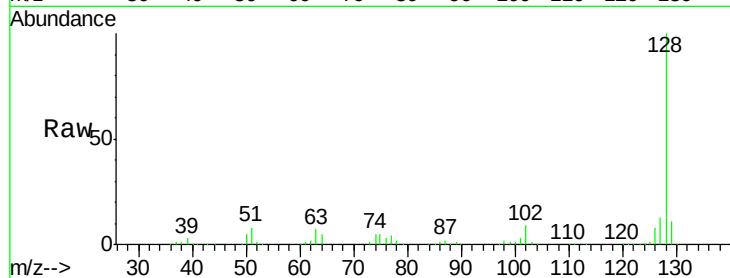
Tgt Ion:128 Resp: 509819

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

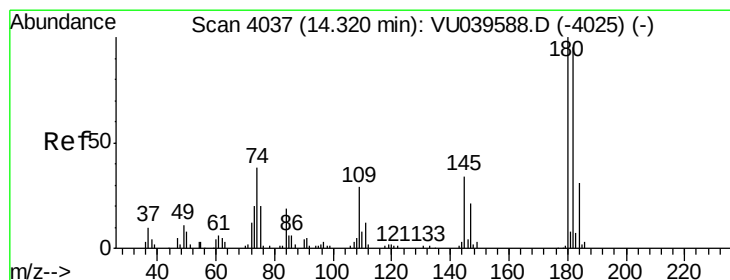
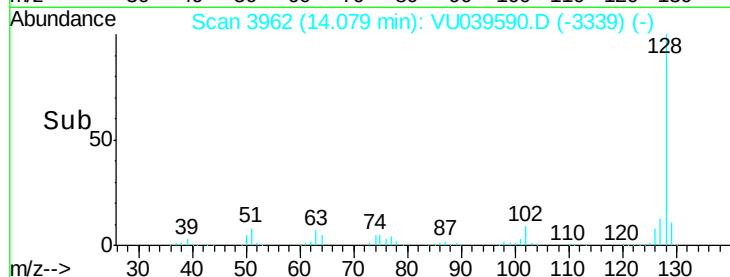
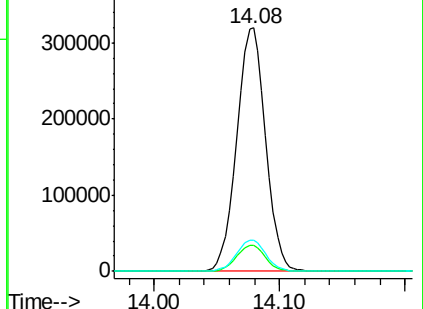
127 13.0 10.6 16.0



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: 18.133 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU039590.D

Acq: 21 Jul 2020 10:54

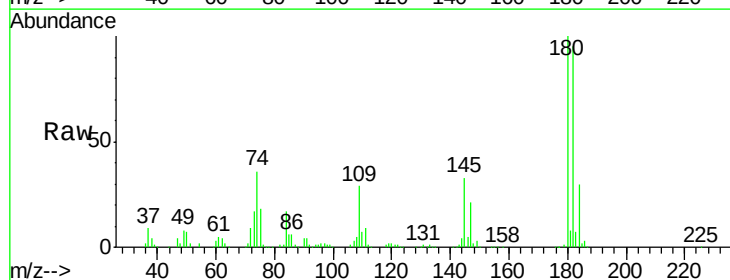
Tgt Ion:180 Resp: 245508

Ion Ratio Lower Upper

180 100

182 95.1 78.0 117.0

145 33.3 28.4 42.6



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

