

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100820\
 Data File : VU040561.D
 Acq On : 08 Oct 2020 14:32
 Operator : SY/MD
 Sample : VSTD02003
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02003

Quant Time: Oct 09 01:20:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 09 01:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	147293	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	145277	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	79596	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	249738	29.74	ug/L	0.00
7) Chloroethane-d5	1.93	69	190459	26.88	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	479548	25.25	ug/L	0.00
20) 2-Butanone-d5	4.66	46	855948	229.93	ug/L	0.00
24) Chloroform-d	5.08	84	436867	23.65	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	254222	22.80	ug/L	0.00
32) Benzene-d6	5.74	84	822477	25.95	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	266821	23.78	ug/L	0.00
41) Toluene-d8	7.91	98	752409	27.17	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	123756	26.23	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	688120	257.91	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	239904	22.26	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	294228	23.17	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	262003	17.973	ug/L 98
3) Chloromethane	1.53	50	235669	16.663	ug/L 98
5) Vinyl chloride	1.61	62	252518	17.920	ug/L 98
6) Bromomethane	1.87	94	138137	19.755	ug/L 96
8) Chloroethane	1.94	64	153373	18.243	ug/L 98
9) Trichlorofluoromethane	2.15	101	349790	17.811	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	232674	18.543	ug/L 98
12) 1,1-Dichloroethene	2.59	96	206925	18.511	ug/L 85
13) Acetone	2.67	43	566683	184.225	ug/L 100
14) Carbon disulfide	2.81	76	560661	16.269	ug/L 99
15) Methyl Acetate	2.97	43	132472	18.144	ug/L 99
16) Methylene chloride	3.06	84	233619	16.563	ug/L 98
17) Methyl tert-butyl Ether	3.38	73	623140	20.100	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	213747	18.610	ug/L 99
19) 1,1-Dichloroethane	3.89	63	441760	18.609	ug/L 99
21) 2-Butanone	4.74	43	960716	196.155	ug/L 98
22) cis-1,2-Dichloroethene	4.69	96	242064	19.092	ug/L 98
23) Bromochloromethane	4.99	128	111857	18.975	ug/L 99
25) Chloroform	5.11	83	446027	18.414	ug/L 99
27) 1,2-Dichloroethane	5.81	62	319232	18.960	ug/L 98
29) 1,1,1-Trichloroethane	5.33	97	383538	19.292	ug/L 99
30) Cyclohexane	5.40	56	392158	19.383	ug/L 100
31) Carbon tetrachloride	5.54	117	333231	19.504	ug/L 99
33) Benzene	5.79	78	926687	19.028	ug/L 100
34) Trichloroethene	6.56	95	242232	18.807	ug/L 97
35) Methylcyclohexane	6.77	83	379679	20.229	ug/L 97
37) 1,2-Dichloropropane	6.80	63	255218	18.645	ug/L 99
38) Bromodichloromethane	7.11	83	330833	19.676	ug/L 97
39) cis-1,3-Dichloropropene	7.62	75	390296	21.376	ug/L 95
40) 4-Methyl-2-pentanone	7.80	43	2233959	209.402	ug/L 100

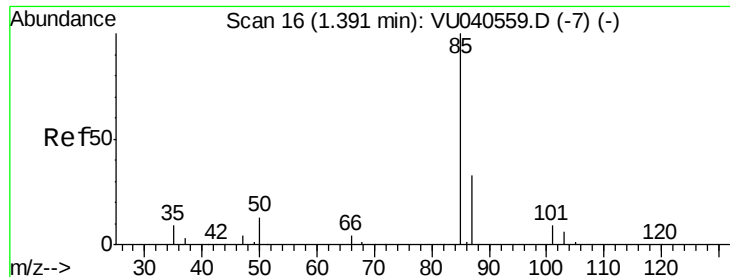
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100820\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 09 01:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	970025	19.438	ug/L	98
44) trans-1,3-Dichloropropene	8.21	75	353550	20.876	ug/L	95
45) 1,1,2-Trichloroethane	8.41	97	186287	19.388	ug/L	99
47) Tetrachloroethene	8.56	164	176378	19.100	ug/L	97
48) 2-Hexanone	8.69	43	1653617	209.013	ug/L	99
49) Dibromochloromethane	8.82	129	227281	20.236	ug/L	97
50) 1,2-Dibromoethane	8.93	107	180486	19.794	ug/L	99
51) Chlorobenzene	9.45	112	617112	19.155	ug/L	99
52) Ethylbenzene	9.57	91	1103204	20.384	ug/L	100
53) m,p-Xylene	9.69	106	406331	20.152	ug/L	97
54) o-Xylene	10.10	106	392015	20.680	ug/L	97
55) Styrene	10.11	104	697340	21.108	ug/L	100
56) Isopropylbenzene	10.48	105	1082433	21.163	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	256034	19.810	ug/L	100
59) 1,2,3-Trichloropropane	10.82	75	190591	19.389	ug/L	98
61) Bromoform	10.29	173	132562	19.691	ug/L	97
62) 1,3-Dichlorobenzene	11.74	146	517728	19.534	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	524592	19.007	ug/L	99
65) 1,2-Dichlorobenzene	12.21	146	502113	19.472	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	45644	19.531	ug/L	89
67) 1,3,5-Trichlorobenzene	13.21	180	380802	20.112	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	334942	22.151	ug/L	98
69) Naphthalene	14.08	128	661886	25.802	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	306849	22.011	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 17.973 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU040561.D

Acq: 08 Oct 2020 14:32

Instrument :

MSVOA_U

ClientSampleId :

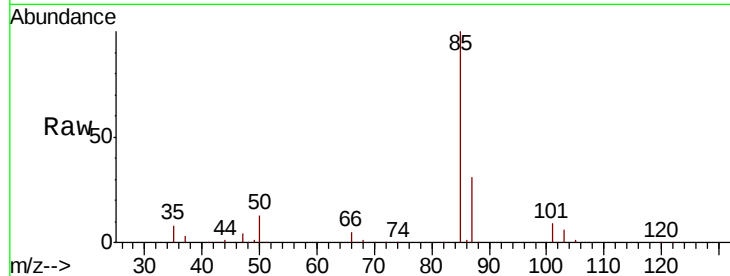
VSTD02003

Tot Ion: 85 Resp: 262003

Ion Ratio Lower Upper

85 100

87 31.7 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

1.39

250000

200000

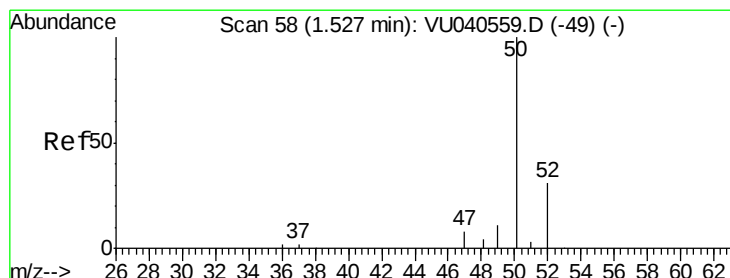
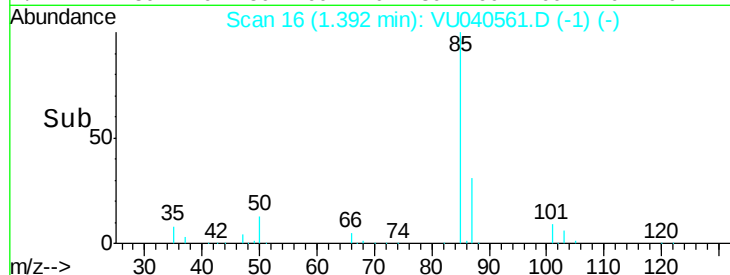
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 16.663 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040561.D

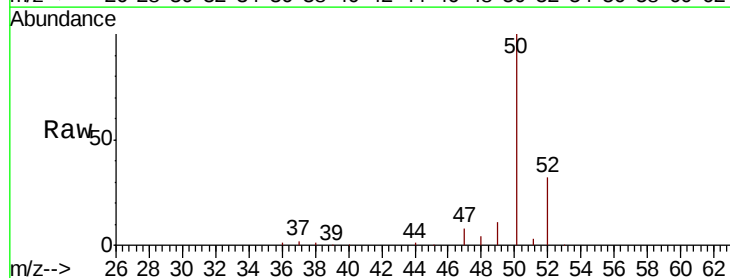
Acq: 08 Oct 2020 14:32

Tgt Ion: 50 Resp: 235669

Ion Ratio Lower Upper

50 100

52 32.4 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0

250000

200000

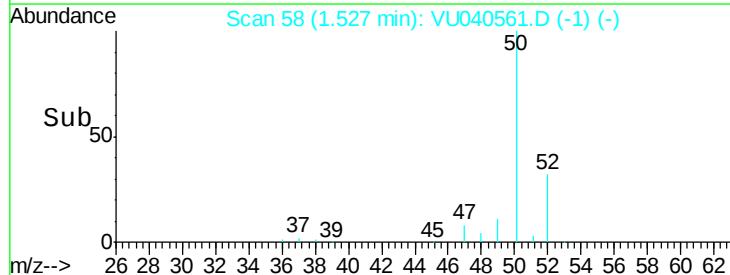
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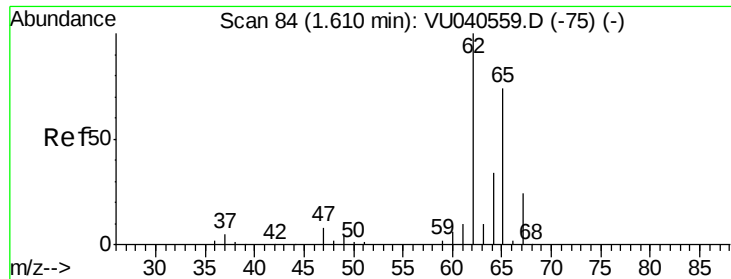
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50000

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Time-->





#5

Vinyl chloride

Concen: 17.920 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040561.D

Acq: 08 Oct 2020 14:32

Instrument :

MSVOA_U

ClientSampleId :

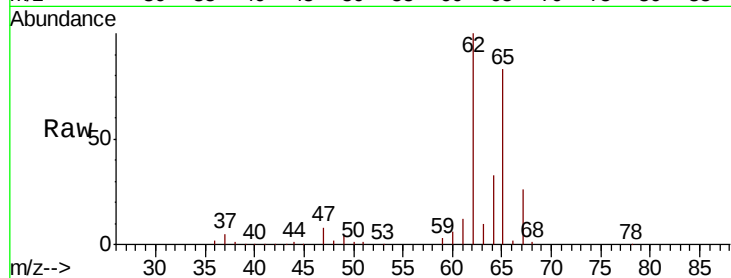
VSTD02003

Tot Ion: 62 Resp: 252518

Ion Ratio Lower Upper

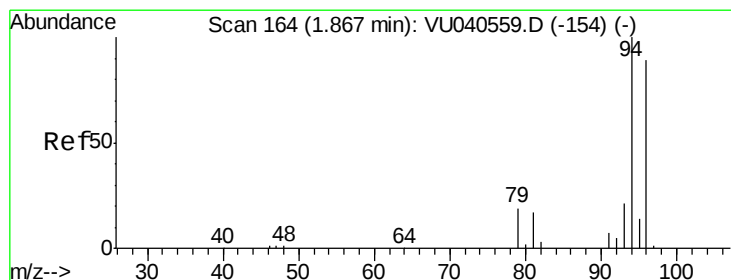
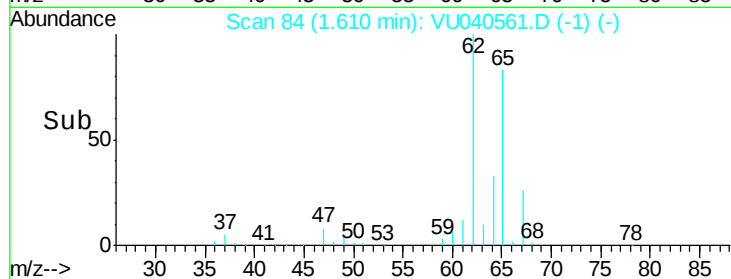
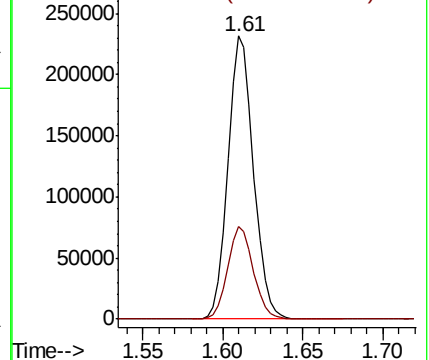
62 100

64 32.7 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 19.755 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU040561.D

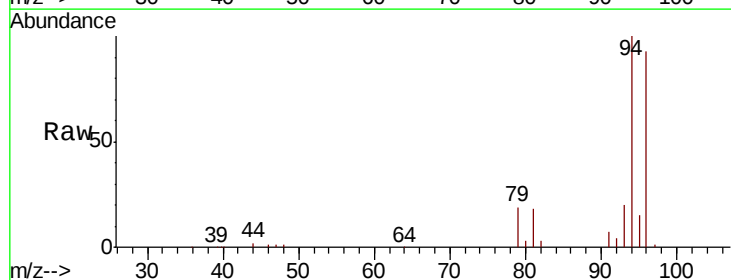
Acq: 08 Oct 2020 14:32

Tgt Ion: 94 Resp: 138137

Ion Ratio Lower Upper

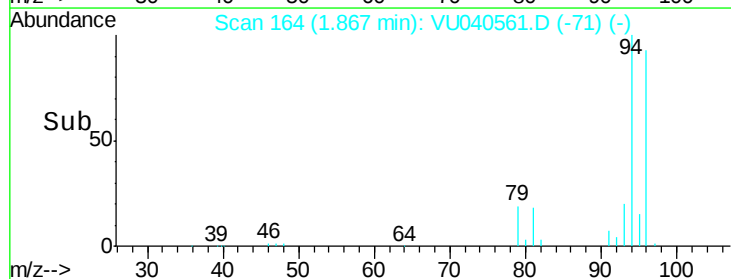
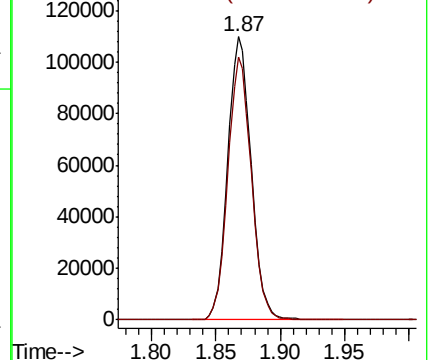
94 100

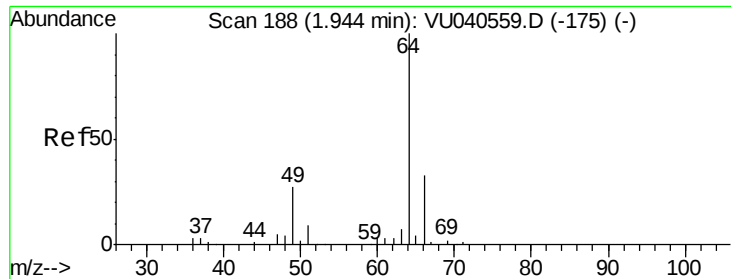
96 92.7 62.1 115.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

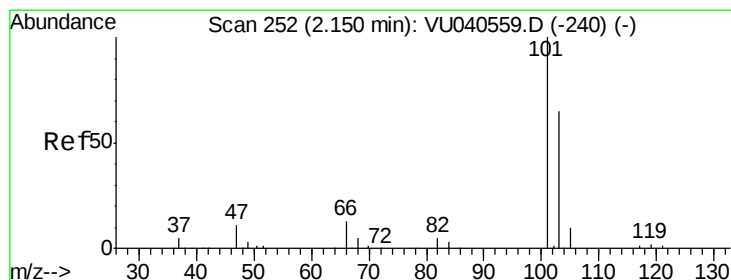
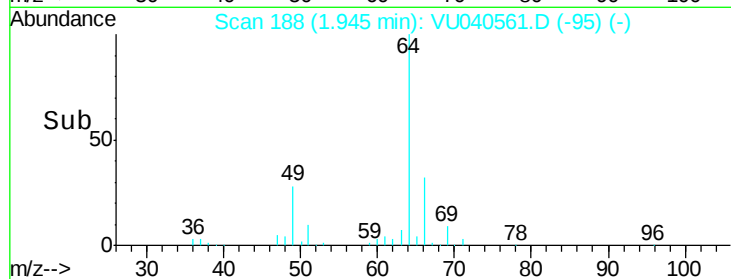
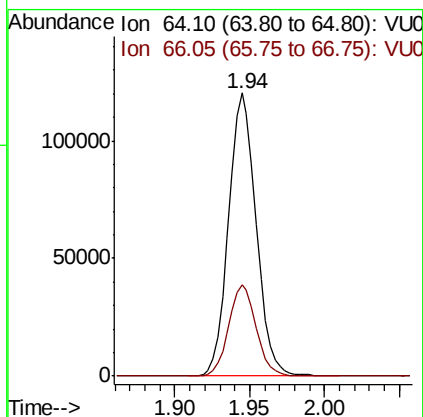
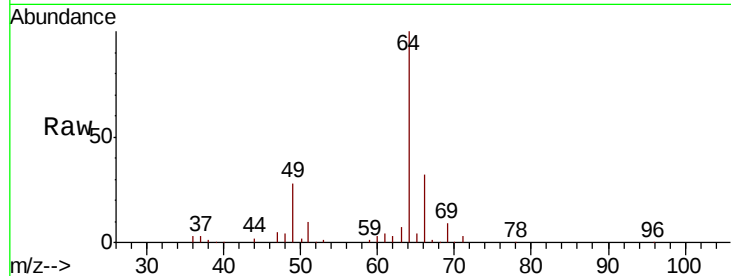




#8
Chloroethane
Concen: 18.243 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU040561.D
Acq: 08 Oct 2020 14:32

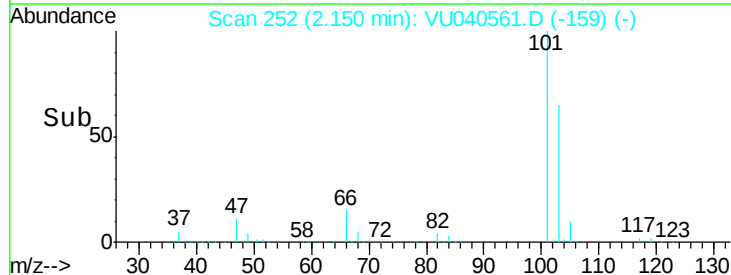
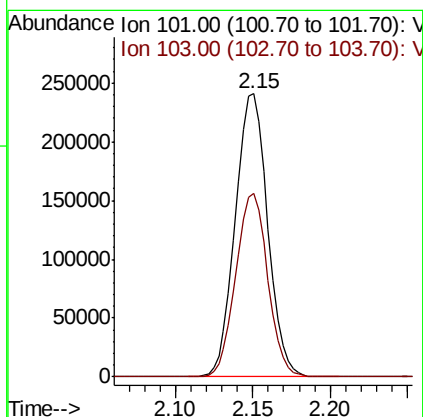
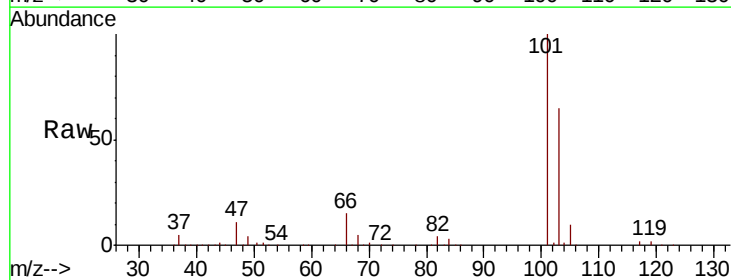
Instrument :
MSVOA_U
ClientSampleId :
VSTD02003

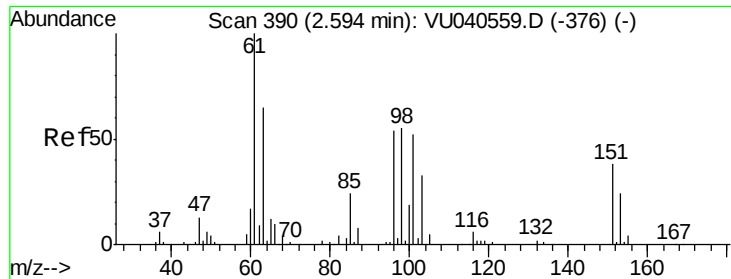
Tot Ion: 64 Resp: 153373
Ion Ratio Lower Upper
64 100
66 32.3 23.3 43.3



#9
Trichlorofluoromethane
Concen: 17.811 ug/L
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU040561.D
Acq: 08 Oct 2020 14:32

Tgt Ion:101 Resp: 349790
Ion Ratio Lower Upper
101 100
103 64.1 52.2 78.4





#10

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

Concen: 18.543 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040561.D

Acq: 08 Oct 2020 14:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD02003

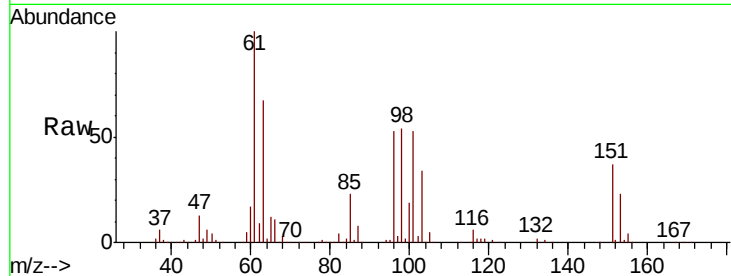
Tot Ion:101 Resp: 232674

Ion Ratio Lower Upper

101 100

85 44.5 36.7 55.1

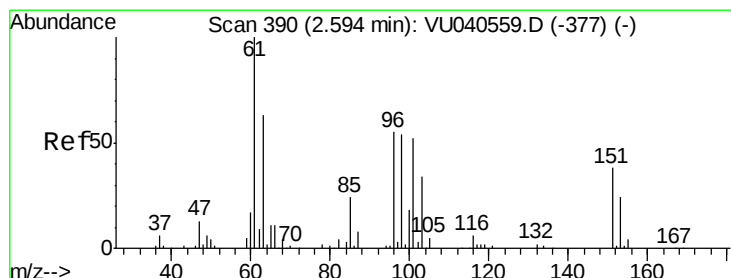
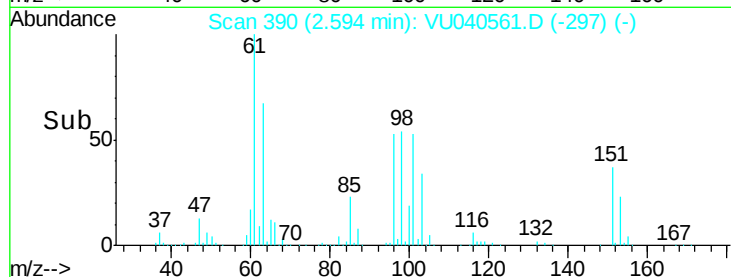
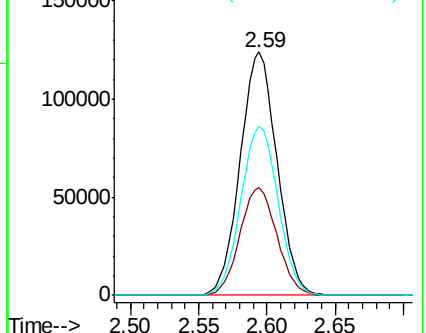
151 70.5 58.0 87.0



Abundance Ion 101.00 (100.70 to 101.70): VU040559.D (-376) (-)

Ion 85.00 (84.70 to 85.70): VU040559.D (-376) (-)

Ion 151.00 (150.70 to 151.70): VU040559.D (-376) (-)



#12

1,1-Dichloroethene

Concen: 18.511 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040561.D

Acq: 08 Oct 2020 14:32

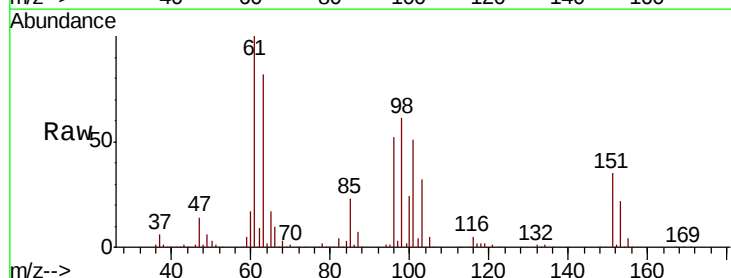
Tgt Ion: 96 Resp: 206925

Ion Ratio Lower Upper

96 100

61 190.8 128.8 239.2

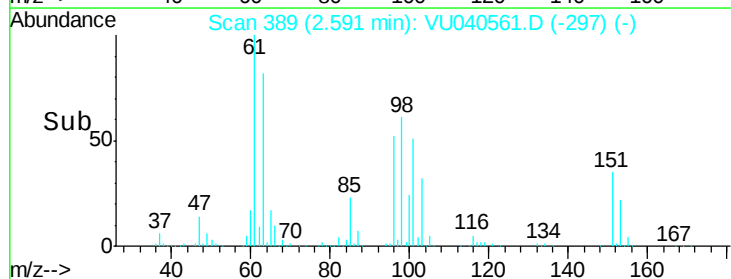
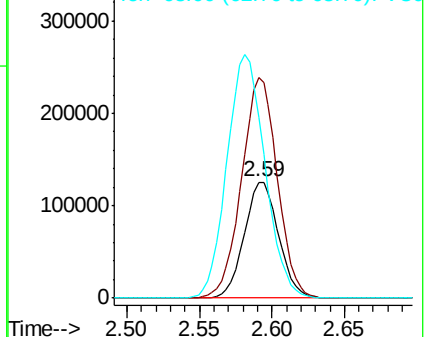
63 156.0 84.6 157.2

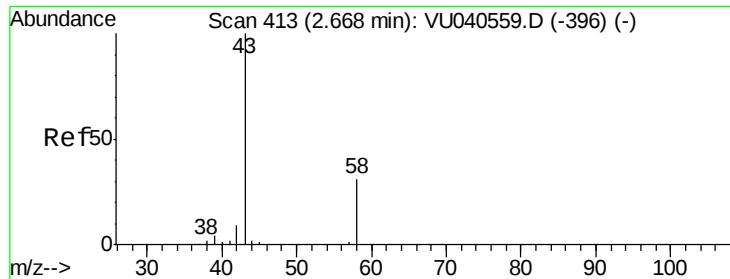


Abundance Ion 96.00 (95.70 to 96.70): VU040559.D (-377) (-)

Ion 61.05 (60.75 to 61.75): VU040559.D (-377) (-)

Ion 63.00 (62.70 to 63.70): VU040559.D (-377) (-)





#13

Acetone

Concen: 184.225 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.00 min

Lab File: VU040561.D

Acq: 08 Oct 2020 14:32

Instrument :

MSVOA_U

ClientSampleId :

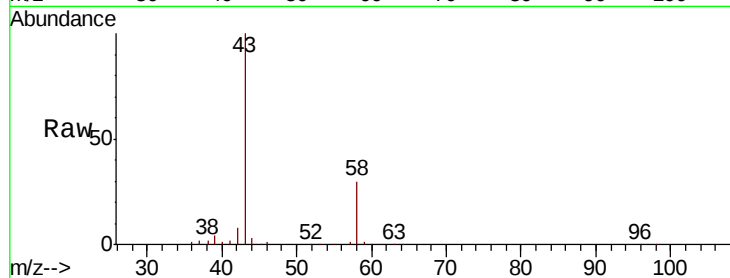
VSTD02003

Tot Ion: 43 Resp: 566683

Ion Ratio Lower Upper

43 100

58 30.1 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.67

150000

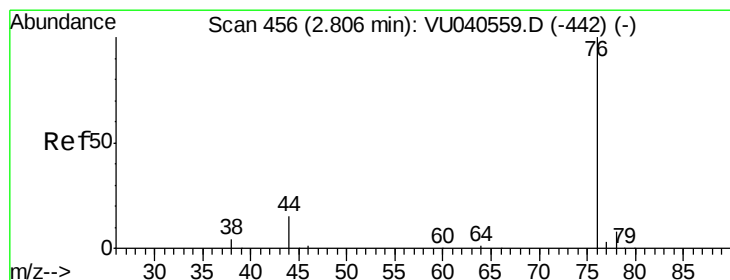
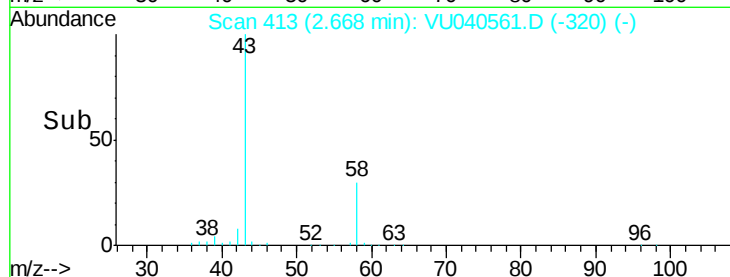
100000

50000

0

Time-->

2.60 2.80



#14

Carbon disulfide

Concen: 16.269 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040561.D

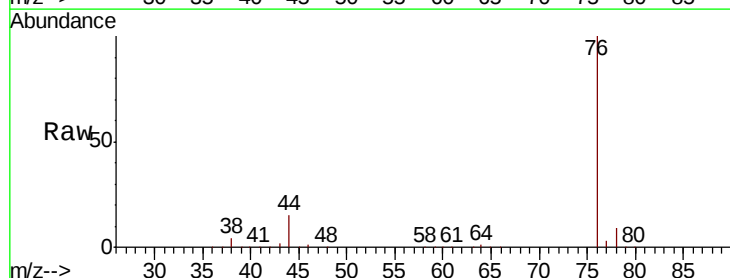
Acq: 08 Oct 2020 14:32

Tgt Ion: 76 Resp: 560661

Ion Ratio Lower Upper

76 100

78 8.8 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.81

300000

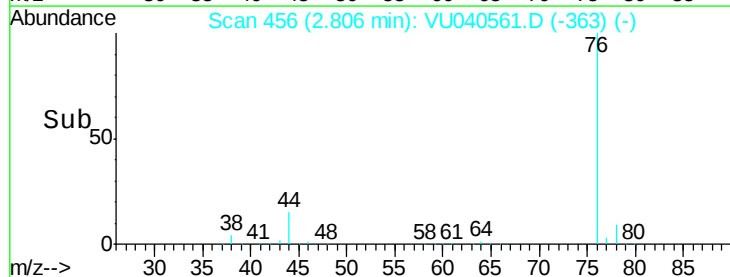
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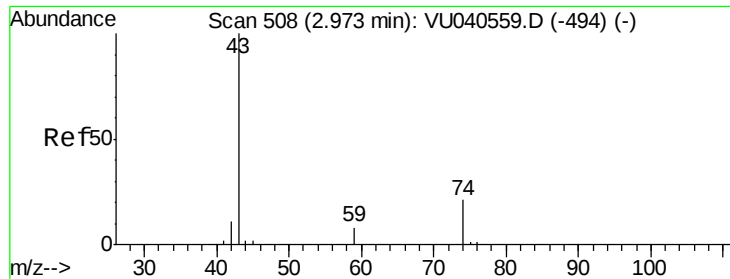
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Time-->

2.75 2.80 2.85 2.90

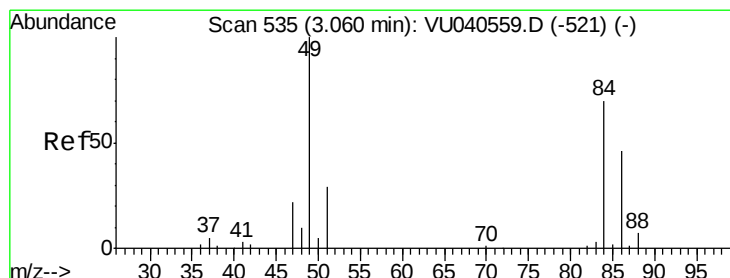
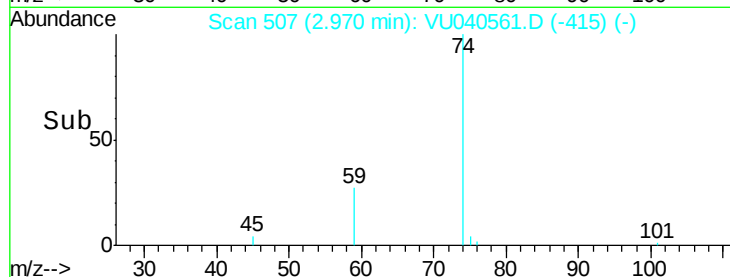
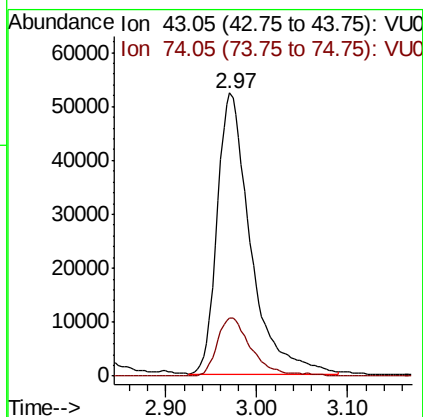
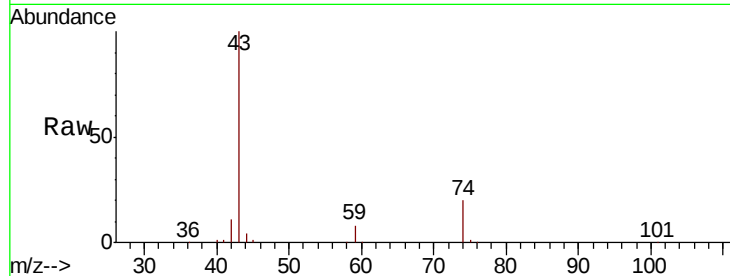




#15
Methvl Acetate
Concen: 18.144 ug/L
RT: 2.97 min Scan# 507
Delta R.T. -0.00 min
Lab File: VU040561.D
Acq: 08 Oct 2020 14:32

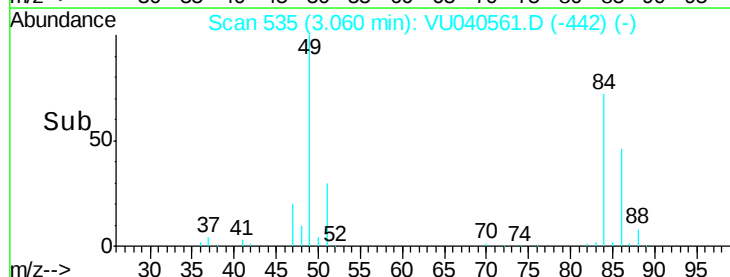
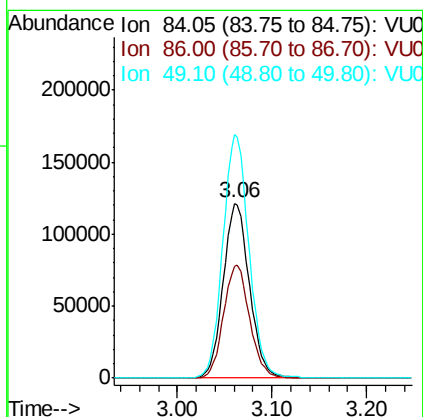
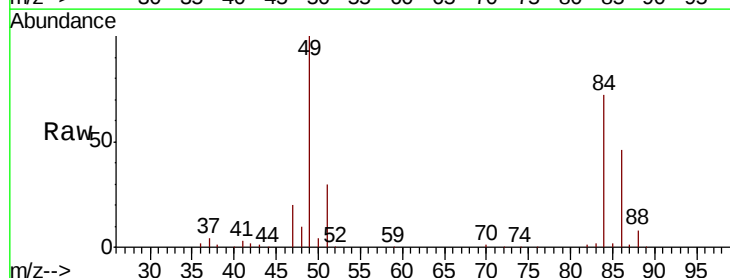
Instrument :
MSVOA_U
ClientSampleId :
VSTD02003

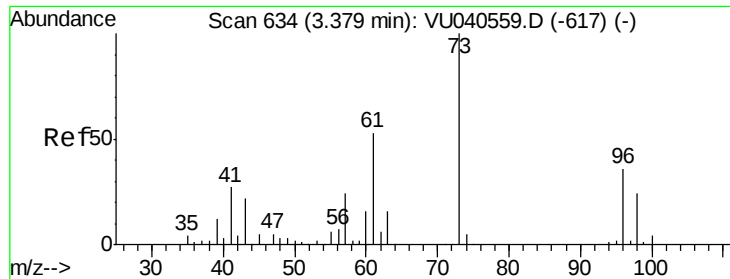
Tot Ion: 43 Resp: 132472
Ion Ratio Lower Upper
43 100
74 21.0 16.5 24.7



#16
Methylene chloride
Concen: 16.563 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU040561.D
Acq: 08 Oct 2020 14:32

Tgt Ion: 84 Resp: 233619
Ion Ratio Lower Upper
84 100
86 64.3 45.4 84.4
49 139.5 99.8 185.3

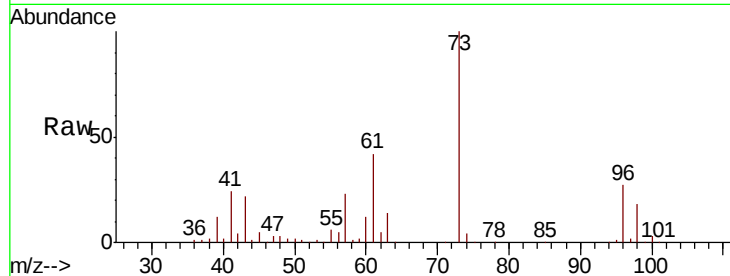




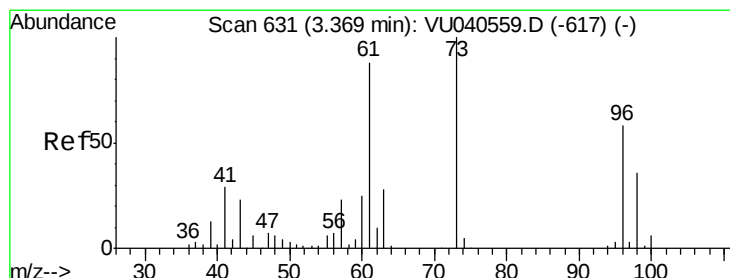
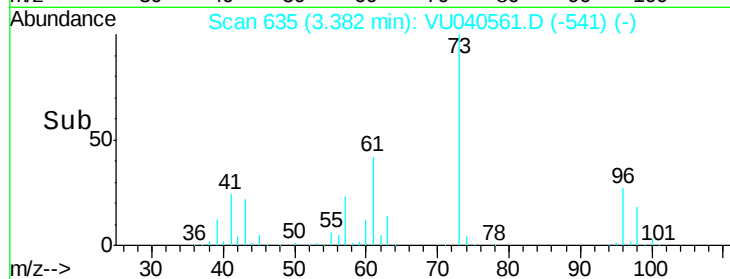
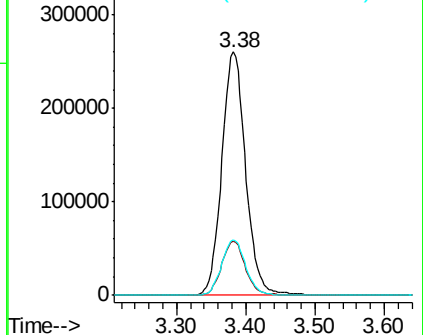
#17
Methvl tert-butvl Ether
Concen: 20.100 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040561.D
Acq: 08 Oct 2020 14:32

Instrument :
MSVOA_U
ClientSampleId :
VSTD02003

Tot Ion: 73 Resp: 623140
Ion Ratio Lower Upper
73 100
43 22.3 18.2 27.4
57 23.2 18.6 28.0

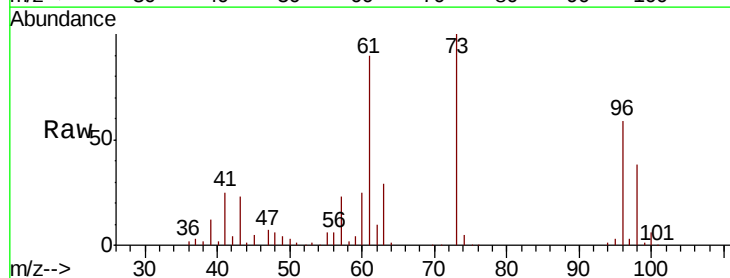


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

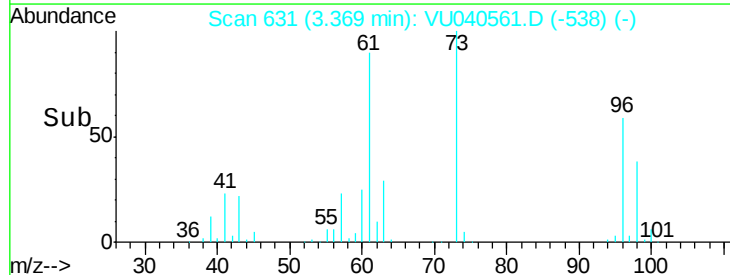
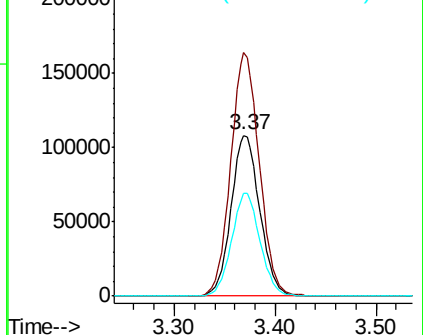


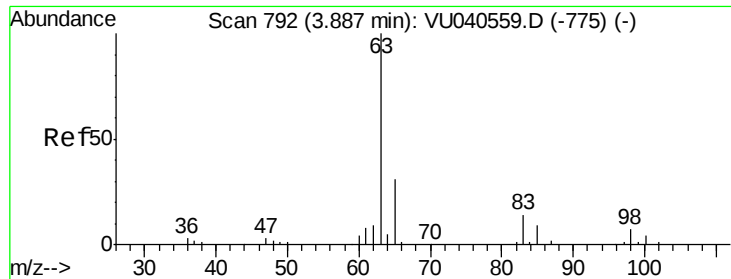
#18
trans-1,2-Dichloroethene
Concen: 18.610 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU040561.D
Acq: 08 Oct 2020 14:32

Tgt Ion: 96 Resp: 213747
Ion Ratio Lower Upper
96 100
61 151.6 105.9 196.7
98 64.0 43.8 81.3



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

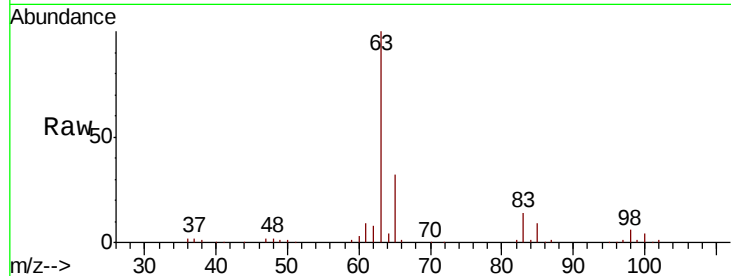




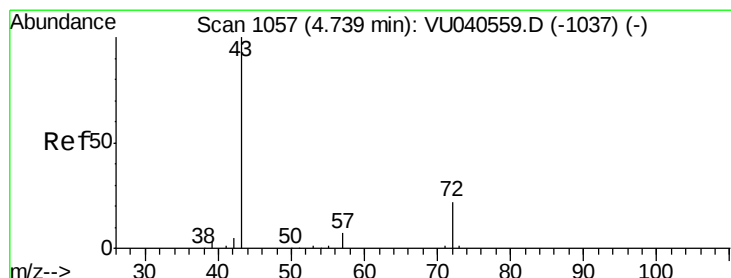
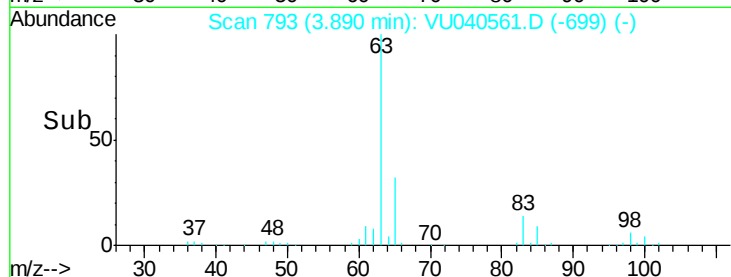
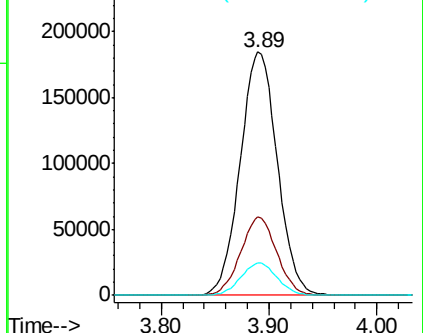
#19
 1,1-Dichloroethane
 Concen: 18.609 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU040561.D
 Acq: 08 Oct 2020 14:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02003

Tot Ion: 63 Resp: 441760
 Ion Ratio Lower Upper
 63 100
 65 32.3 21.9 40.7
 83 13.5 9.6 17.8

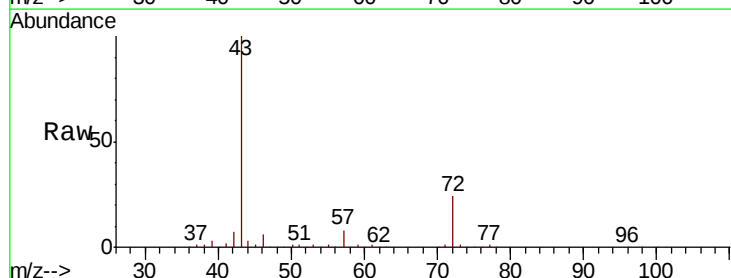


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

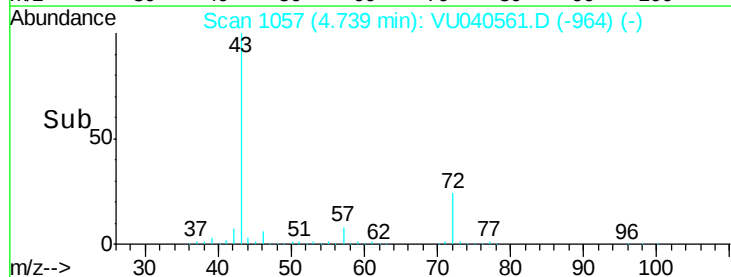
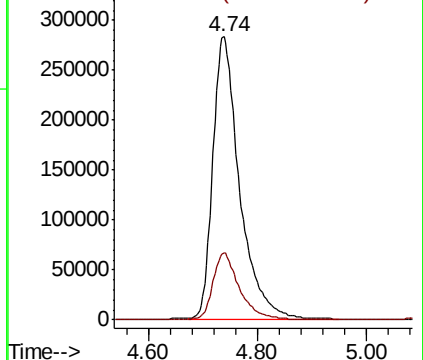


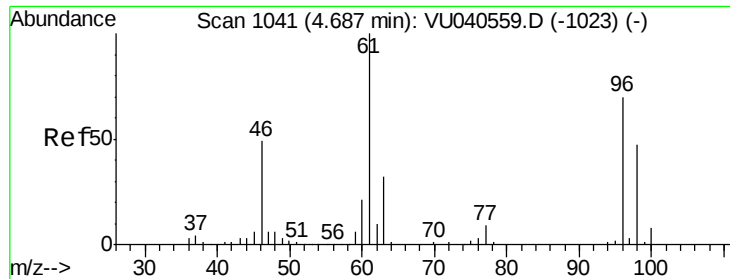
#21
 2-Butanone
 Concen: 196.155 ug/L
 RT: 4.74 min Scan# 1057
 Delta R.T. 0.00 min
 Lab File: VU040561.D
 Acq: 08 Oct 2020 14:32

Tgt Ion: 43 Resp: 960716
 Ion Ratio Lower Upper
 43 100
 72 23.7 11.4 34.2



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 19.092 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040561.D

Acq: 08 Oct 2020 14:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD02003

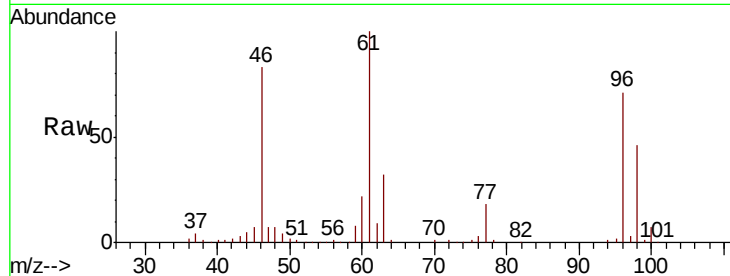
Tot Ion: 96 Resp: 242064

Ion Ratio Lower Upper

96 100

61 140.3 99.8 185.4

68 0.0 0.0 0.0

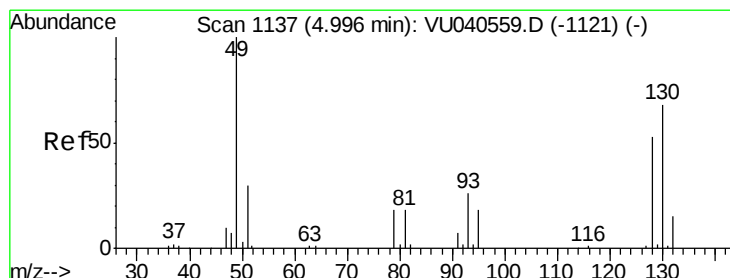
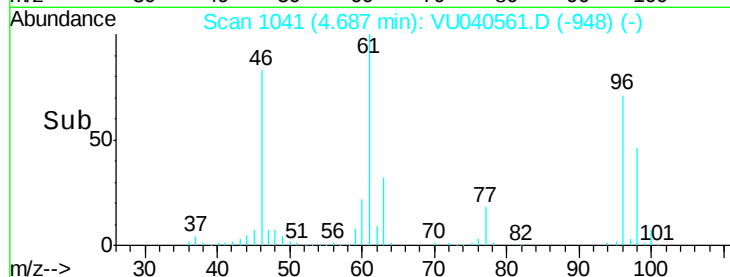
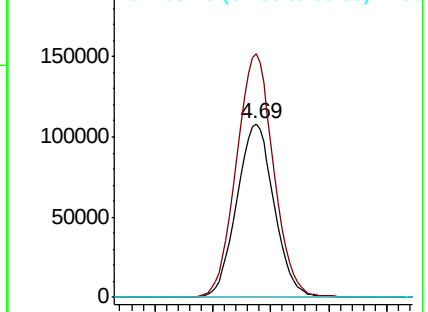


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 18.975 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU040561.D

Acq: 08 Oct 2020 14:32

Tgt Ion: 128 Resp: 111857

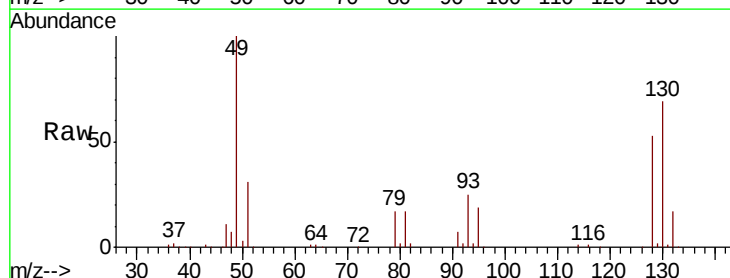
Ion Ratio Lower Upper

128 100

49 187.6 132.2 245.4

130 129.4 89.2 165.8

51 58.5 45.3 67.9



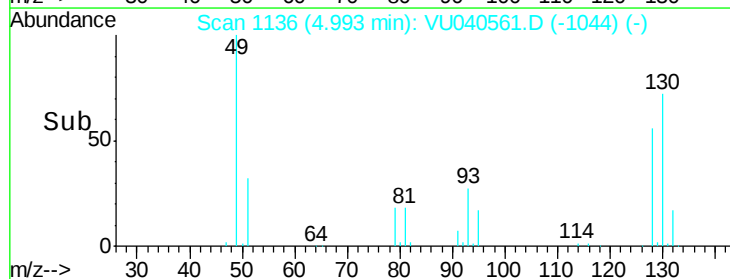
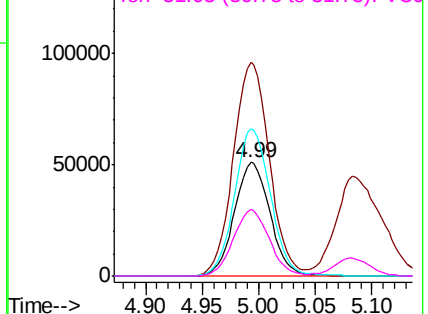
Abundance

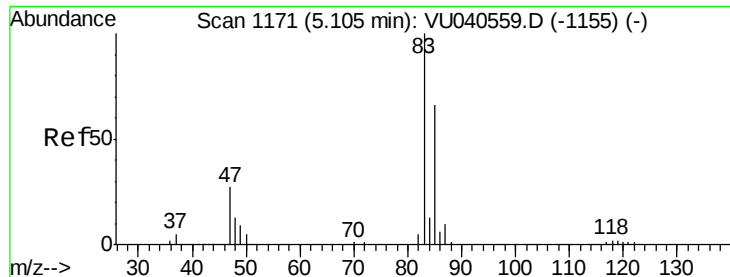
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

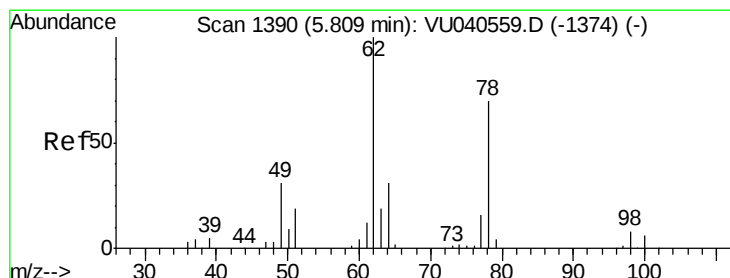
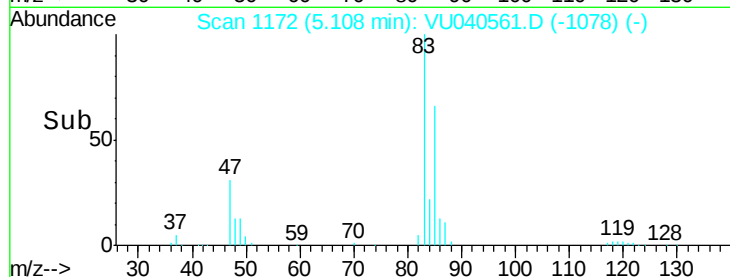
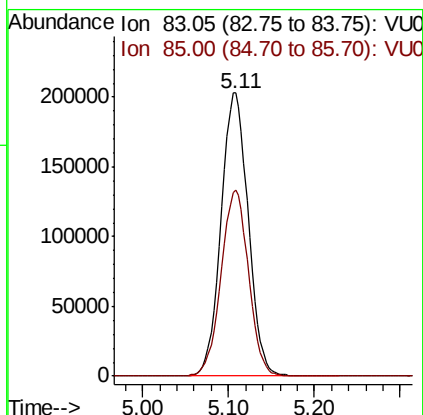
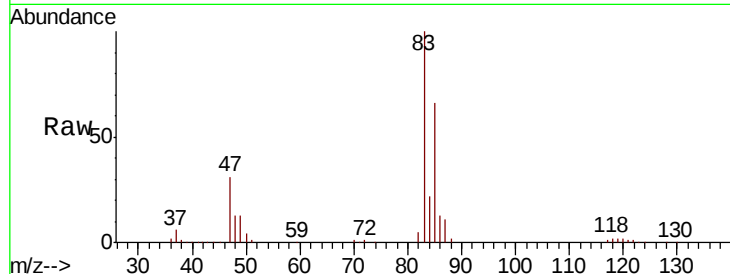




#25
Chloroform
Concen: 18.414 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040561.D
Acq: 08 Oct 2020 14:32

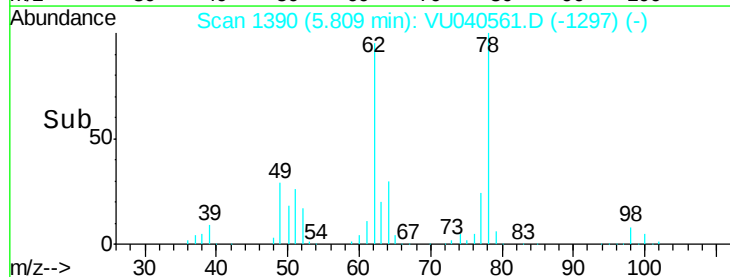
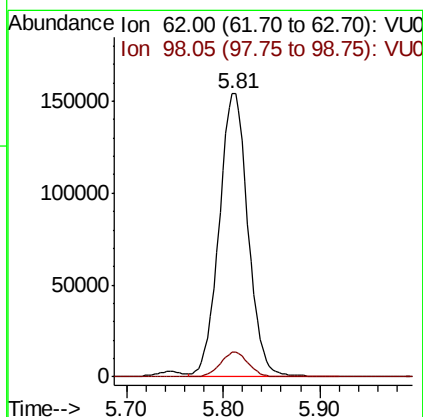
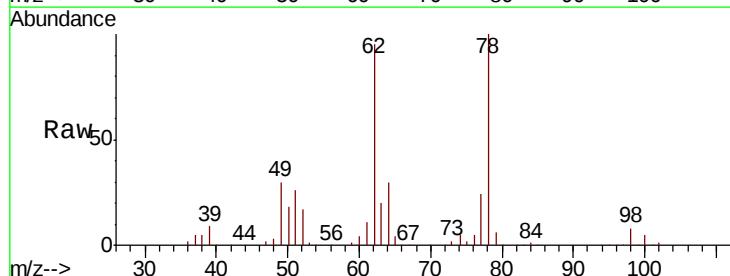
Instrument :
MSVOA_U
ClientSampleId :
VSTD02003

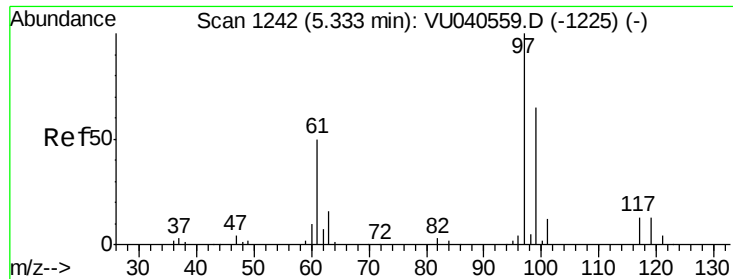
Tot Ion: 83 Resp: 446027
Ion Ratio Lower Upper
83 100
85 65.9 46.5 86.5



#27
1,2-Dichloroethane
Concen: 18.960 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040561.D
Acq: 08 Oct 2020 14:32

Tgt Ion: 62 Resp: 319232
Ion Ratio Lower Upper
62 100
98 8.8 6.6 10.0

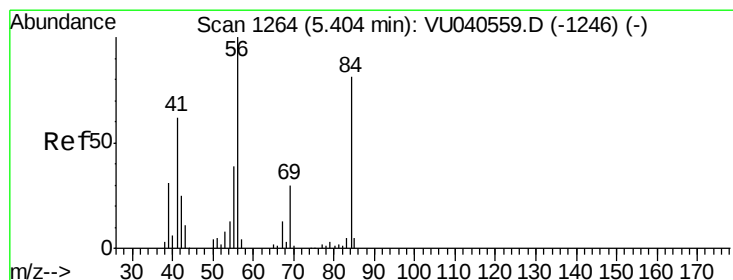
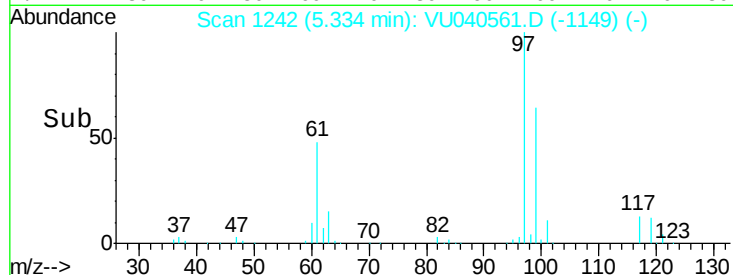
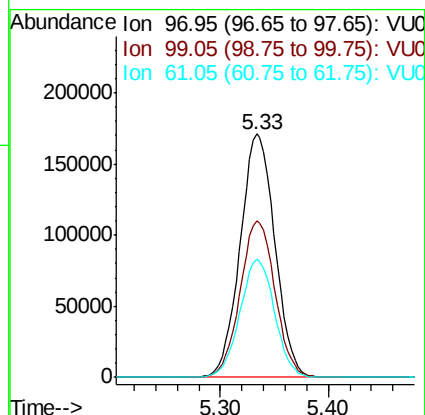
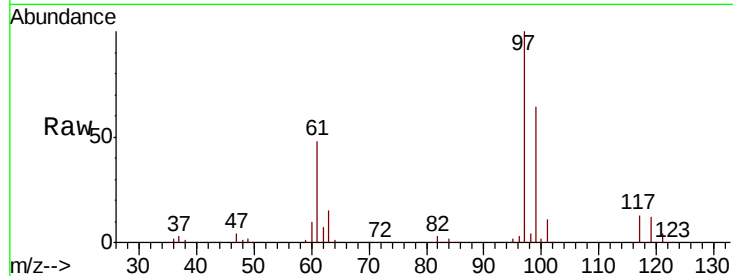




#29
 1,1,1-Trichloroethane
 Concen: 19.292 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU040561.D
 Acq: 08 Oct 2020 14:32

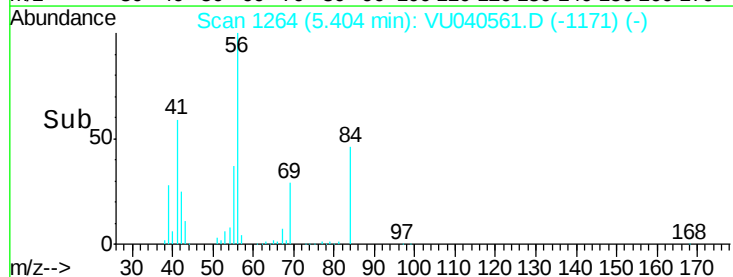
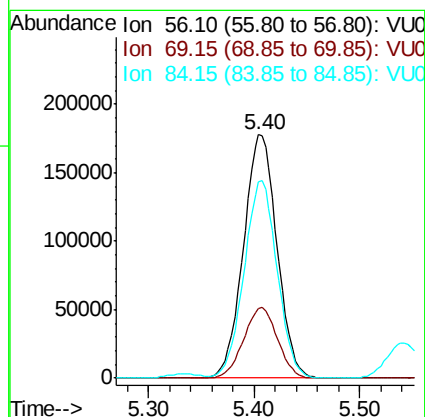
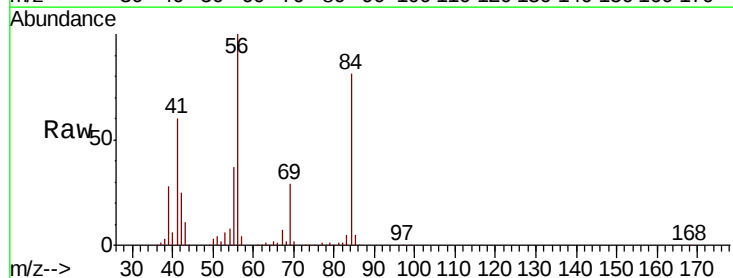
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02003

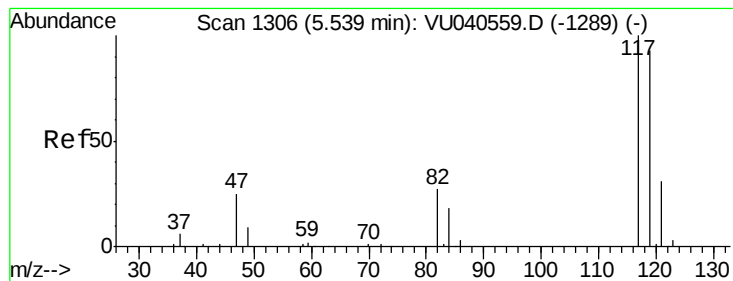
Tot Ion	97	Resp	383538
Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.3	76.9
61	48.3	39.4	59.2



#30
 Cyclohexane
 Concen: 19.383 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU040561.D
 Acq: 08 Oct 2020 14:32

Tgt Ion	56	Resp	392158
Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.8	35.8
84	80.2	64.0	96.0





#31

Carbon tetrachloride

Concen: 19.504 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU040561.D

Acq: 08 Oct 2020 14:32

Instrument :

MSVOA_U

ClientSampleId :

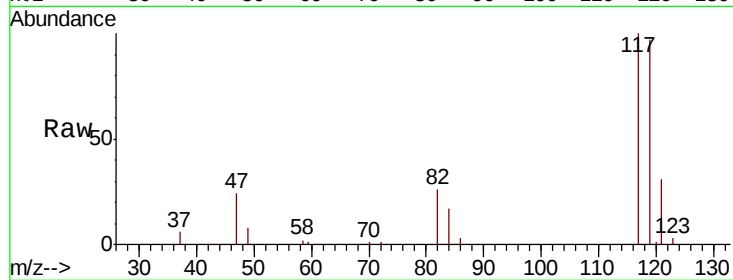
VSTD02003

Tot Ion:117 Resp: 333231

Ion Ratio Lower Upper

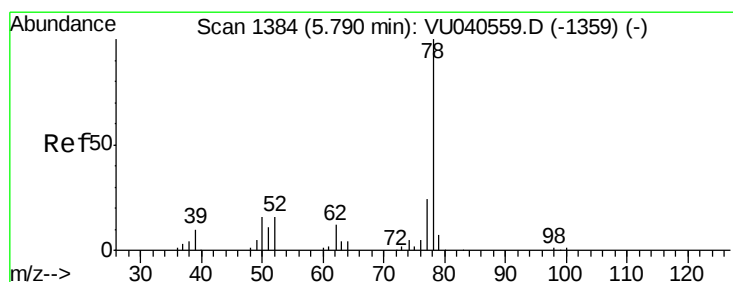
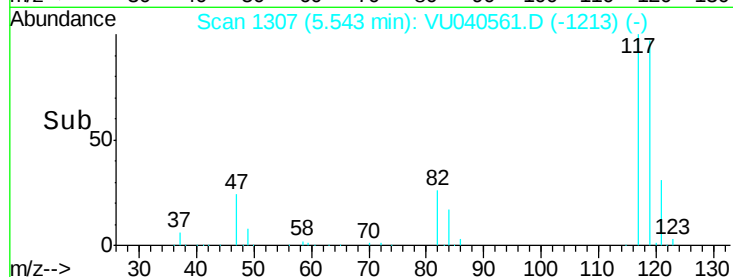
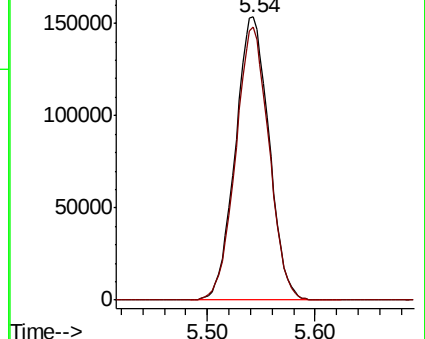
117 100

119 95.7 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 19.028 ug/L

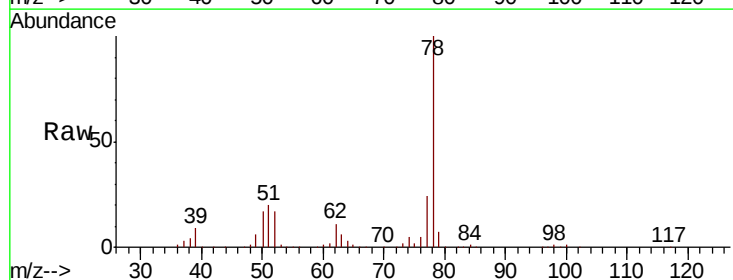
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

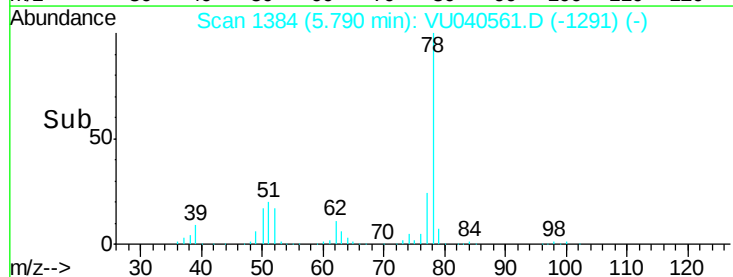
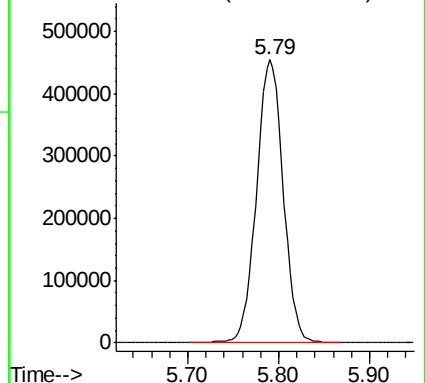
Lab File: VU040561.D

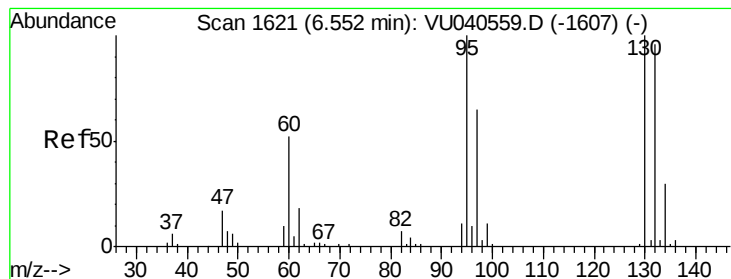
Acq: 08 Oct 2020 14:32

Tgt Ion: 78 Resp: 926687



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 18.807 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040561.D

Acq: 08 Oct 2020 14:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD02003

Tot Ion: 95 Resp: 242232

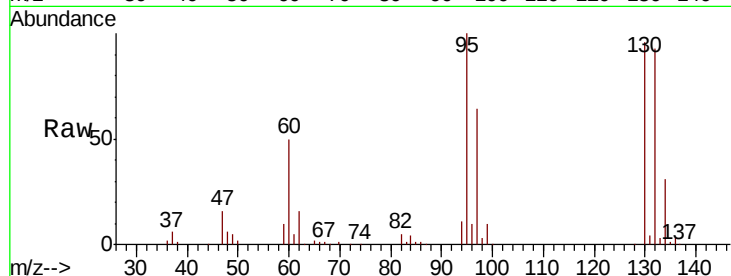
Ion Ratio Lower Upper

95 100

97 63.7 45.5 84.5

132 92.9 67.5 125.4

130 95.6 69.9 129.9

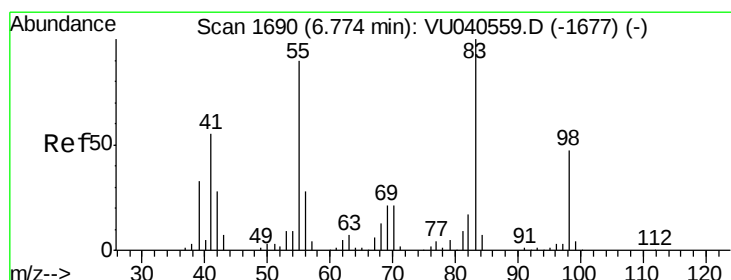
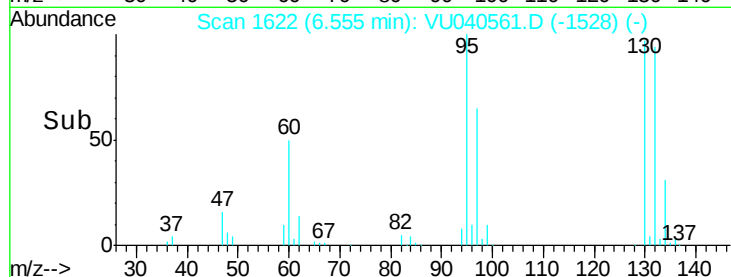
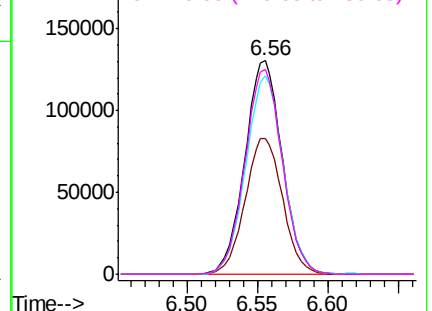


Abundance Ion 95.00 (94.70 to 95.70): VU040559.D (-1607) (-)

Ion 96.95 (96.65 to 97.65): VU040559.D (-1607) (-)

Ion 131.95 (131.65 to 132.65): VU040559.D (-1607) (-)

Ion 129.95 (129.65 to 130.65): VU040559.D (-1607) (-)



#35

Methylcyclohexane

Concen: 20.229 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU040561.D

Acq: 08 Oct 2020 14:32

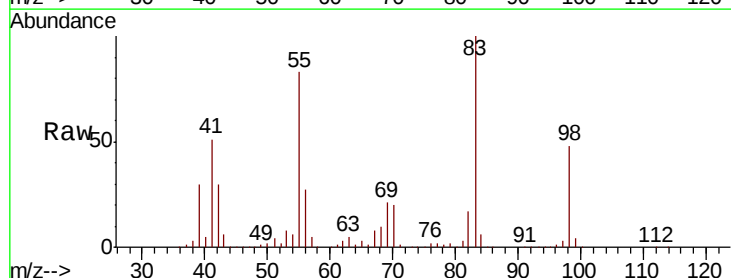
Tgt Ion: 83 Resp: 379679

Ion Ratio Lower Upper

83 100

55 84.5 70.7 106.1

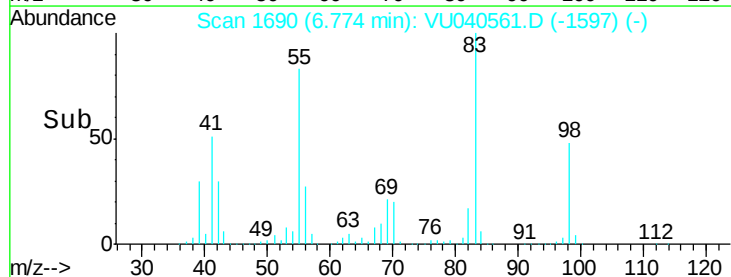
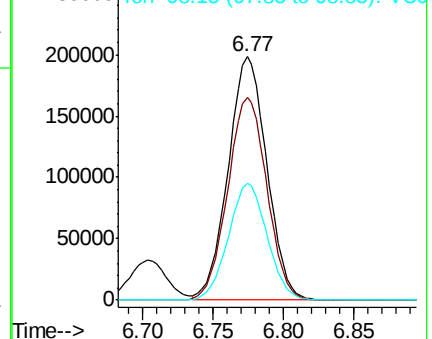
98 48.3 38.4 57.6

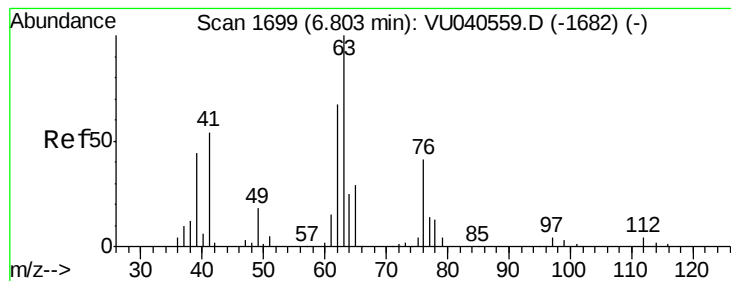


Abundance Ion 83.15 (82.85 to 83.85): VU040559.D (-1677) (-)

Ion 55.10 (54.80 to 55.80): VU040559.D (-1677) (-)

Ion 98.15 (97.85 to 98.85): VU040559.D (-1677) (-)





#37

1,2-Dichloropropane

Concen: 18.645 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VU040561.D

Acq: 08 Oct 2020 14:32

Instrument :

MSVOA_U

ClientSampleId :

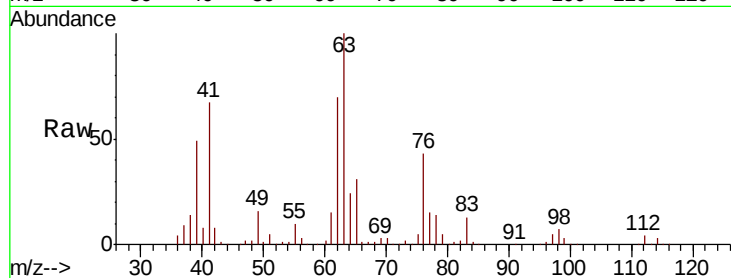
VSTD02003

Tot Ion: 63 Resp: 255218

Ion Ratio Lower Upper

63 100

112 4.0 3.5 5.3



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

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

6.80

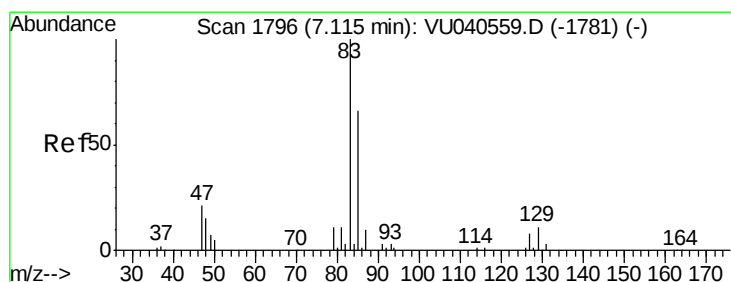
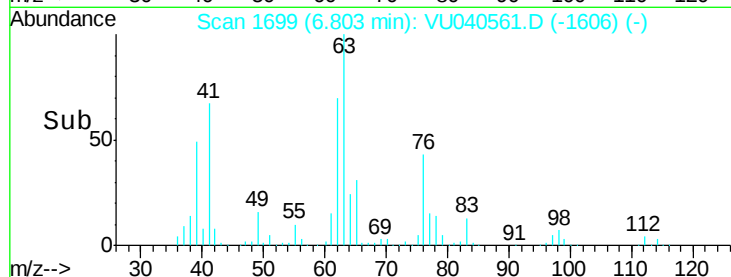
150000

100000

50000

0

Time-->



#38

Bromodichloromethane

Concen: 19.676 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VU040561.D

Acq: 08 Oct 2020 14:32

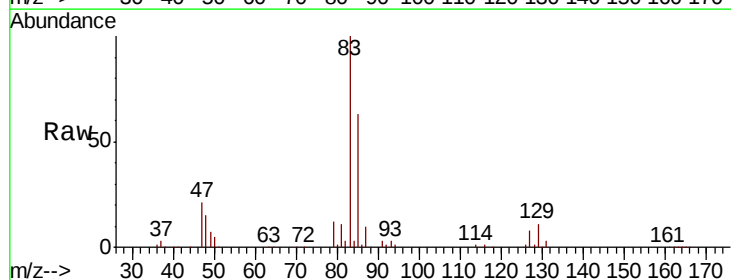
Tgt Ion: 83 Resp: 330833

Ion Ratio Lower Upper

83 100

85 63.5 46.0 85.4

127 7.9 6.7 10.1



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

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

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

7.11

250000

200000

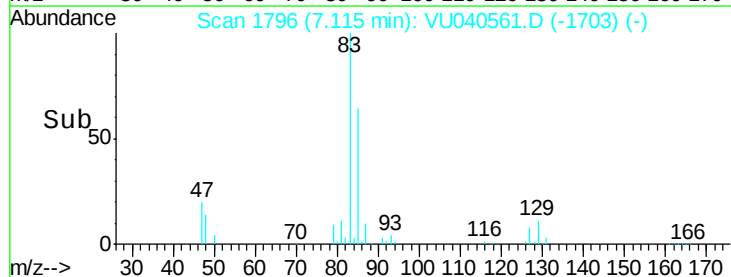
150000

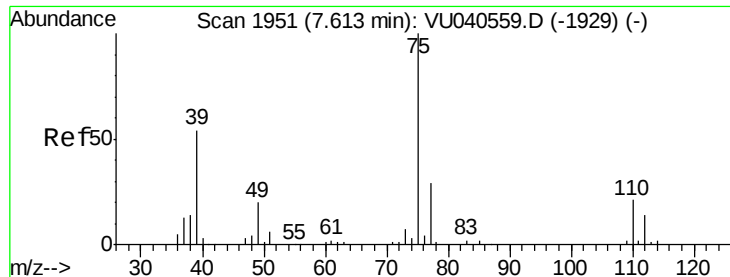
100000

50000

0

Time-->

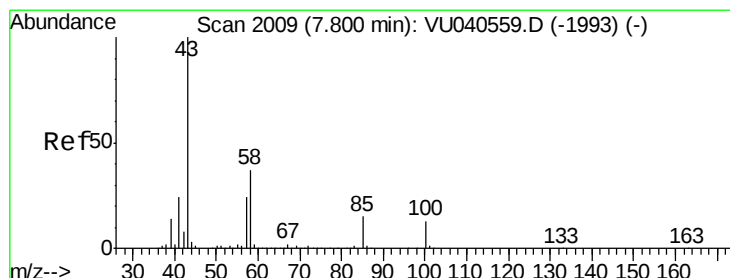
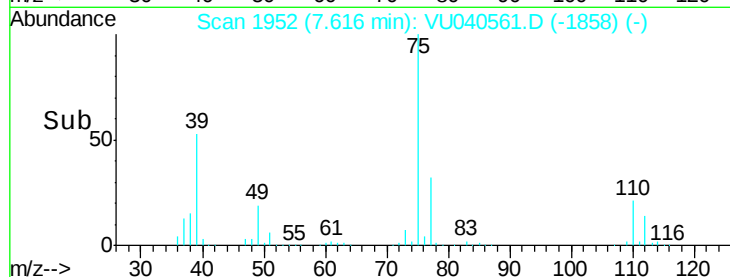
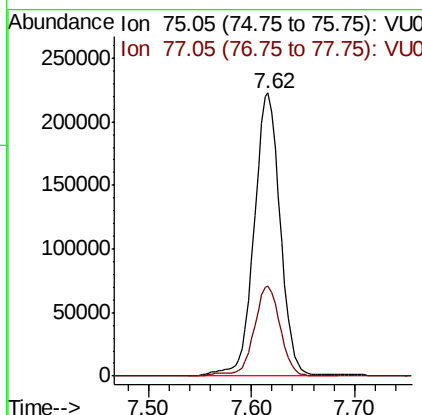
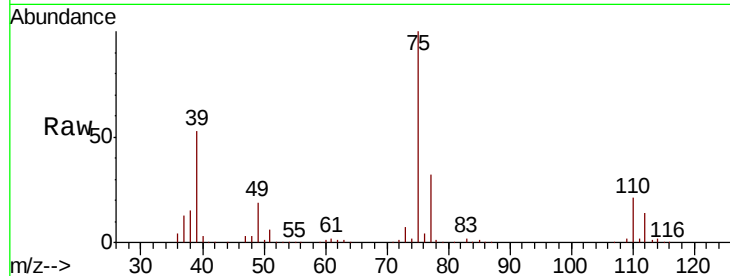




#39
 cis-1,3-Dichloropropene
 Concen: 21.376 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040561.D
 Acq: 08 Oct 2020 14:32

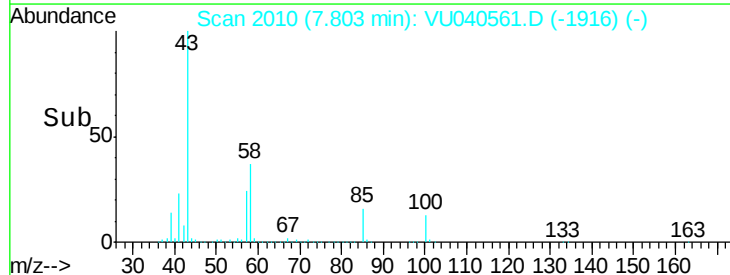
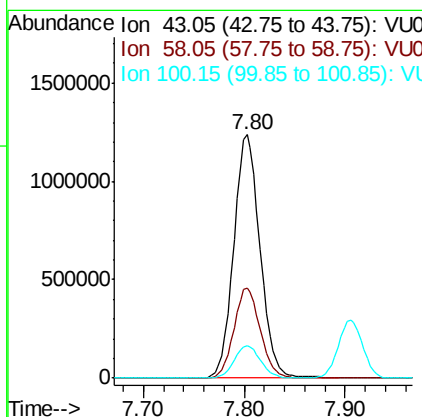
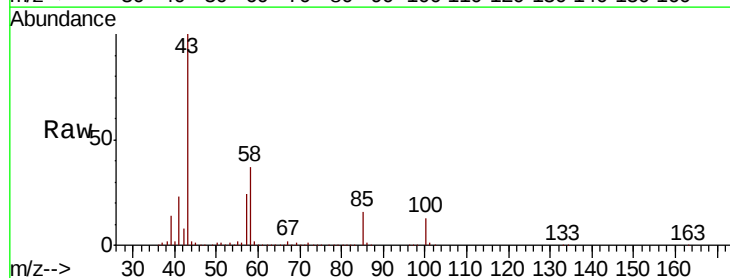
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02003

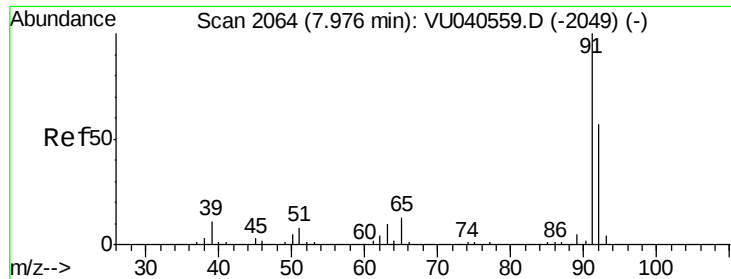
Tot Ion: 75 Resp: 390296
 Ion Ratio Lower Upper
 75 100
 77 31.7 20.5 38.1



#40
 4-Methyl-2-pentanone
 Concen: 209.402 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU040561.D
 Acq: 08 Oct 2020 14:32

Tgt Ion: 43 Resp: 2233959
 Ion Ratio Lower Upper
 43 100
 58 37.2 29.7 44.5
 100 13.4 10.7 16.1





#42

Toluene

Concen: 19.438 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040561.D

Acq: 08 Oct 2020 14:32

Instrument :

MSVOA_U

ClientSampleId :

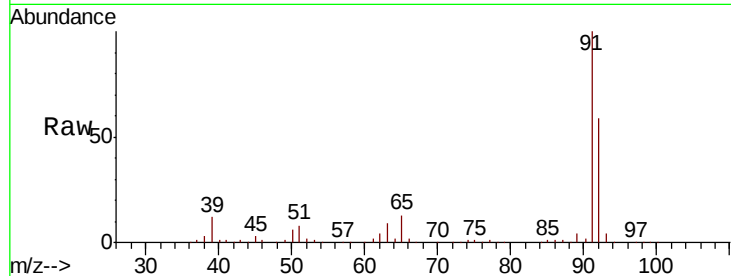
VSTD02003

Tot Ion: 91 Resp: 970025

Ion Ratio Lower Upper

91 100

92 59.0 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU040559.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU040559.D (-2049) (-)

7.98

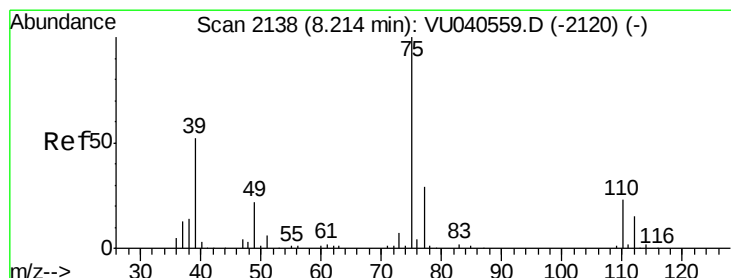
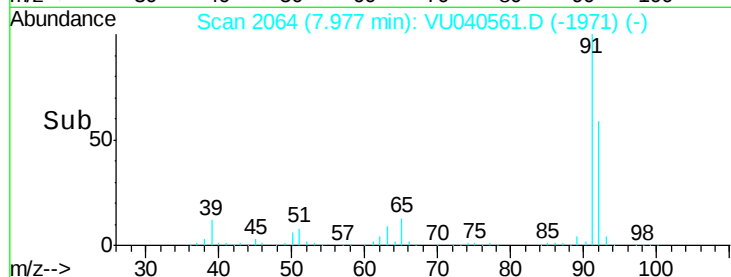
600000

400000

200000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 20.876 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU040561.D

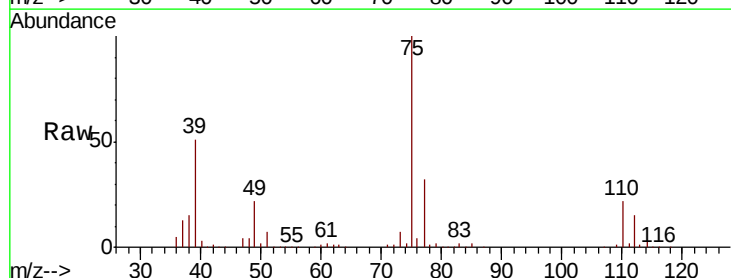
Acq: 08 Oct 2020 14:32

Tgt Ion: 75 Resp: 353550

Ion Ratio Lower Upper

75 100

77 31.9 20.4 38.0



Abundance Ion 75.05 (74.75 to 75.75): VU040559.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU040559.D (-2120) (-)

8.21

200000

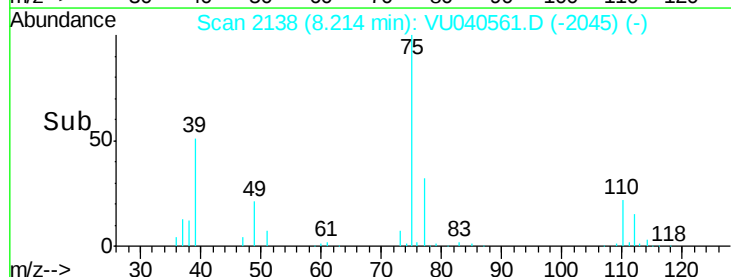
150000

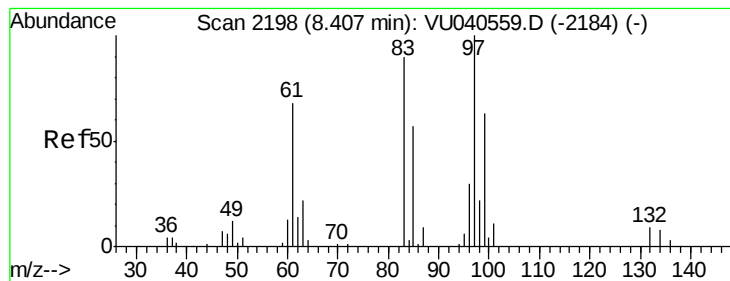
100000

50000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 19.388 ug/L

RT: 8.41 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU040561.D

Acq: 08 Oct 2020 14:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD02003

Tot Ion: 97 Resp: 186287

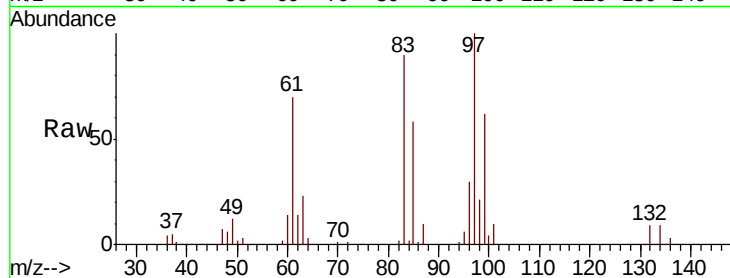
Ion Ratio Lower Upper

97 100

99 62.2 44.0 81.6

83 90.3 62.9 116.9

85 58.0 40.3 74.8

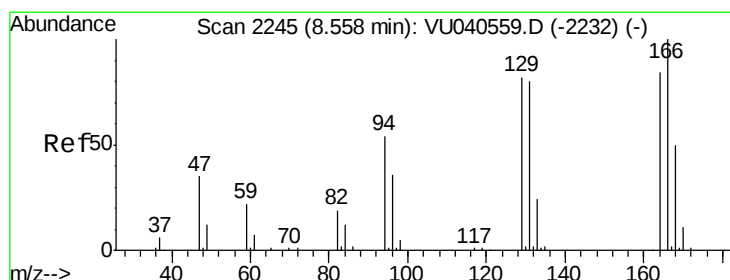
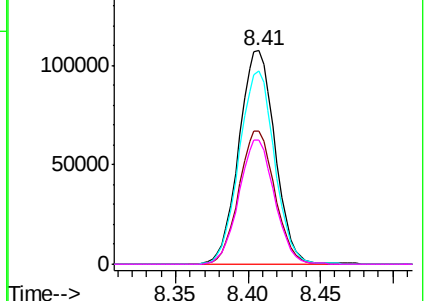
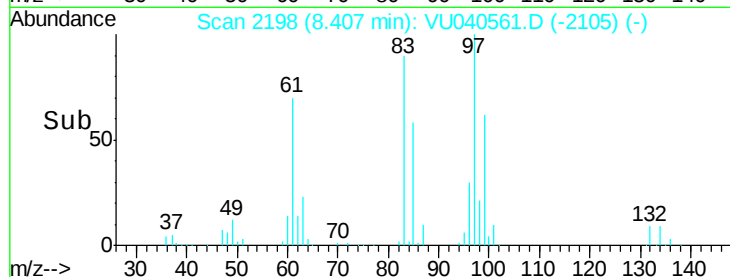


Abundance Ion 96.95 (96.65 to 97.65): VU040561.D (-2105) (-)

Ion 99.05 (98.75 to 99.75): VU040561.D (-2105) (-)

Ion 82.95 (82.65 to 83.65): VU040561.D (-2105) (-)

Ion 85.00 (84.70 to 85.70): VU040561.D (-2105) (-)



#47

Tetrachloroethene

Concen: 19.100 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040561.D

Acq: 08 Oct 2020 14:32

Tgt Ion: 164 Resp: 176378

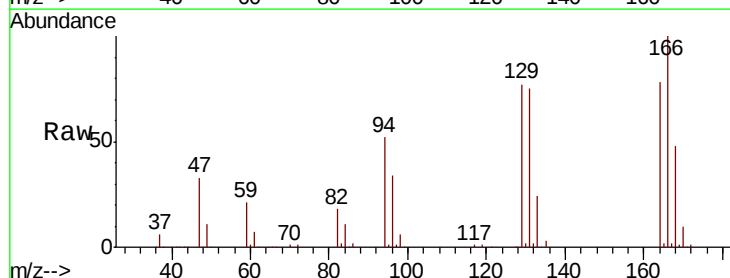
Ion Ratio Lower Upper

164 100

129 99.1 68.8 127.8

131 96.1 66.7 123.9

166 128.4 83.9 155.7

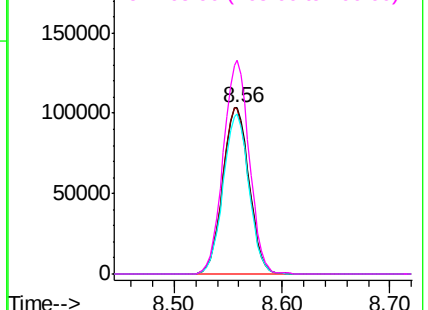
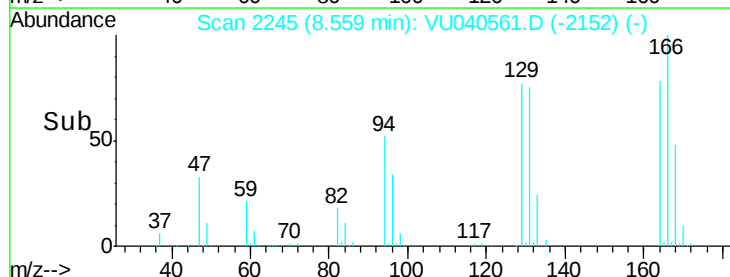


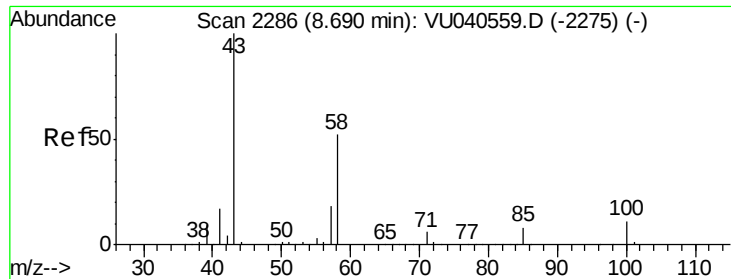
Abundance Ion 163.90 (163.60 to 164.60): VU040561.D (-2152) (-)

Ion 128.95 (128.65 to 129.65): VU040561.D (-2152) (-)

Ion 130.95 (130.65 to 131.65): VU040561.D (-2152) (-)

Ion 165.90 (165.60 to 166.60): VU040561.D (-2152) (-)



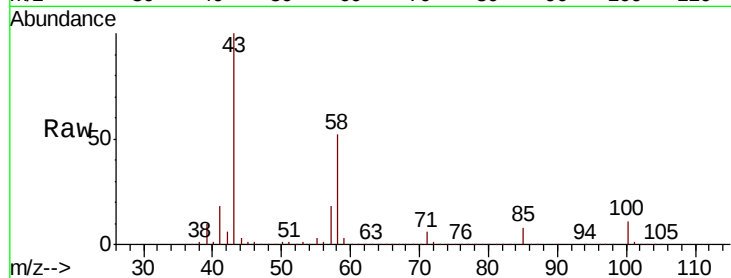


#48
2-Hexanone
Concen: 209.013 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU040561.D
Acq: 08 Oct 2020 14:32

Instrument :
MSVOA_U
ClientSampleId :
VSTD02003

Tot Ion: 43 Resp: 1653617

Ion	Ratio	Lower	Upper
43	100		
58	52.0	41.0	61.6
57	18.1	14.4	21.6
100	10.7	8.6	13.0

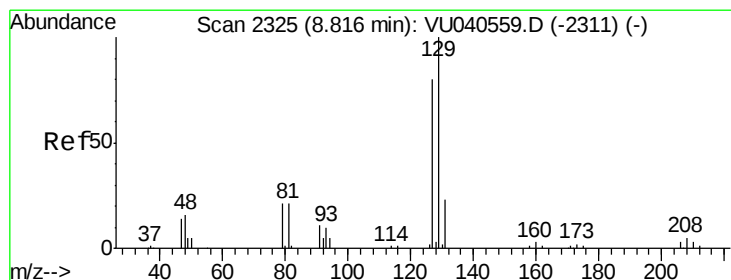
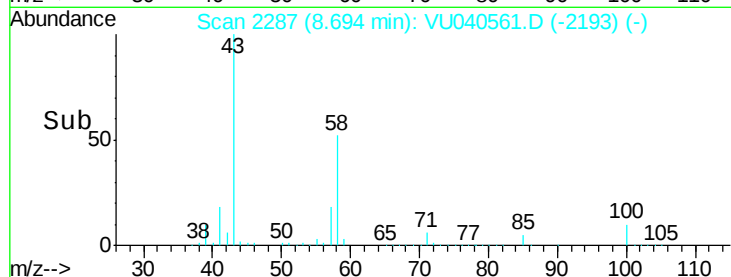
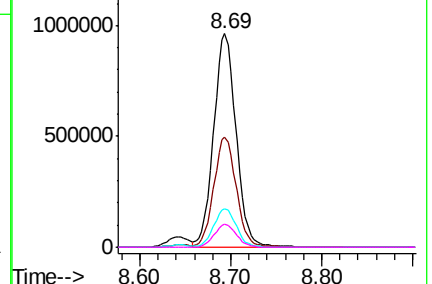


Abundance Ion 43.05 (42.75 to 43.75): VU040559.D (-2275) (-)

Ion 58.05 (57.75 to 58.75): VU040559.D (-2275) (-)

Ion 57.20 (56.90 to 57.90): VU040559.D (-2275) (-)

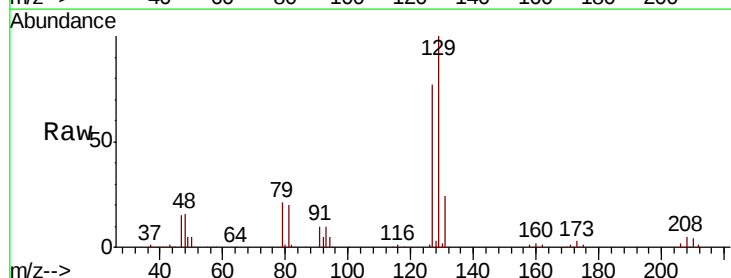
Ion 100.15 (99.85 to 100.85): VU040559.D (-2275) (-)



#49
Dibromochloromethane
Concen: 20.236 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU040561.D
Acq: 08 Oct 2020 14:32

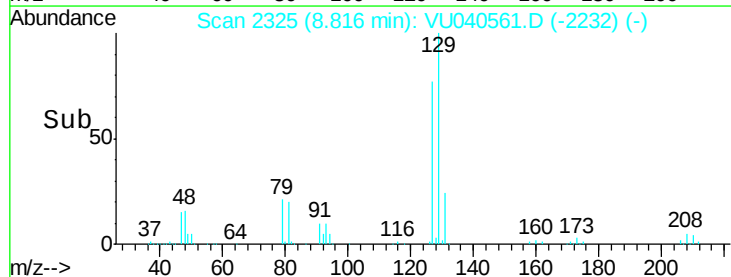
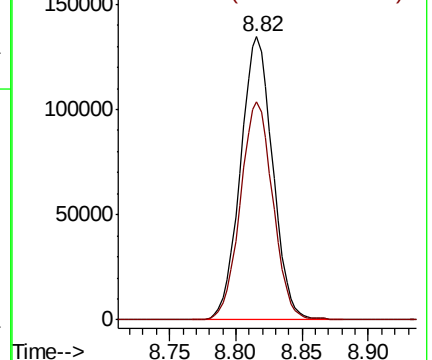
Tgt Ion: 129 Resp: 227281

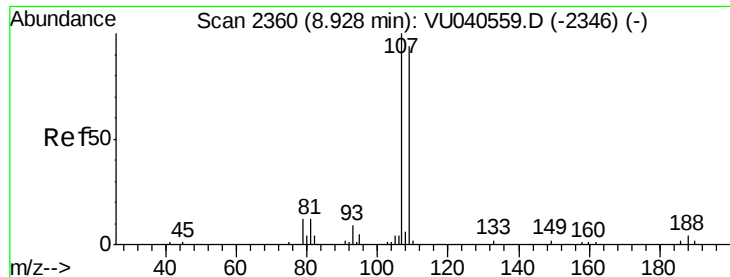
Ion	Ratio	Lower	Upper
129	100		
127	77.0	55.8	103.6



Abundance Ion 128.95 (128.65 to 129.65): VU040559.D (-2311) (-)

Ion 126.90 (126.60 to 127.60): VU040559.D (-2311) (-)

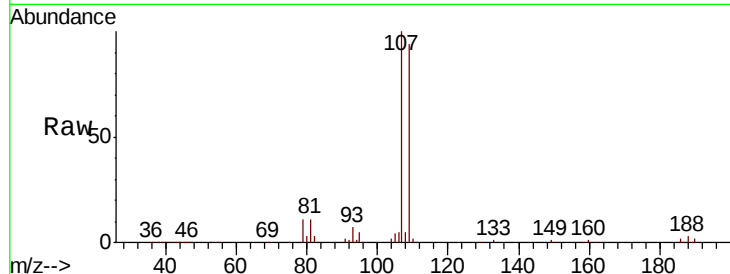




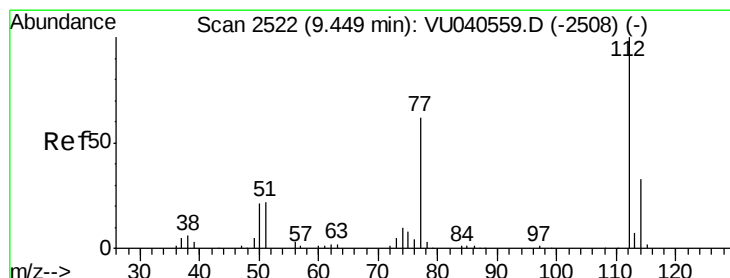
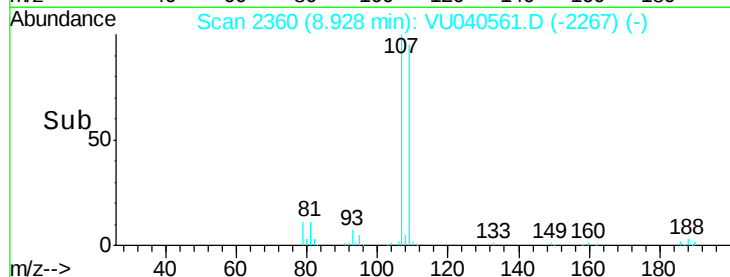
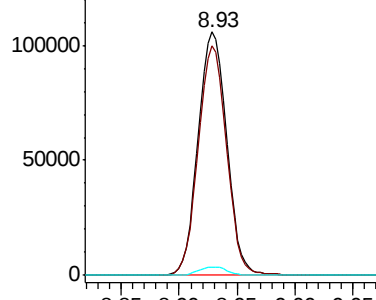
#50
1,2-Dibromoethane
Concen: 19.794 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU040561.D
Acq: 08 Oct 2020 14:32

Instrument :
MSVOA_U
ClientSampleId :
VSTD02003

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	65.7	121.9
188	3.4	3.0	4.4

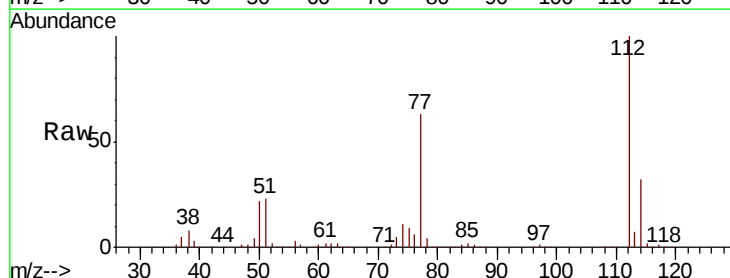


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

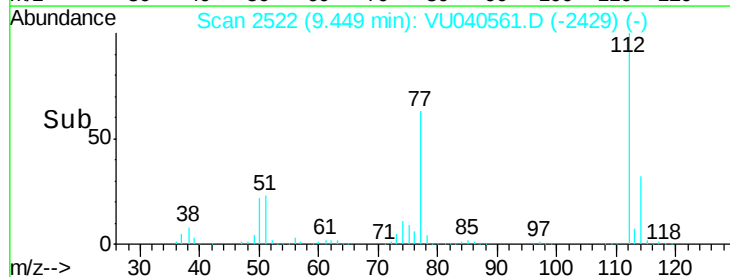
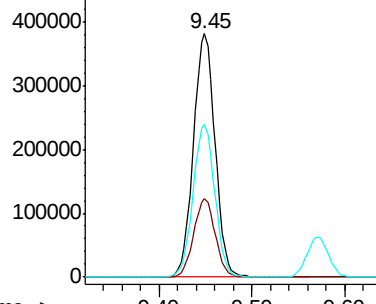


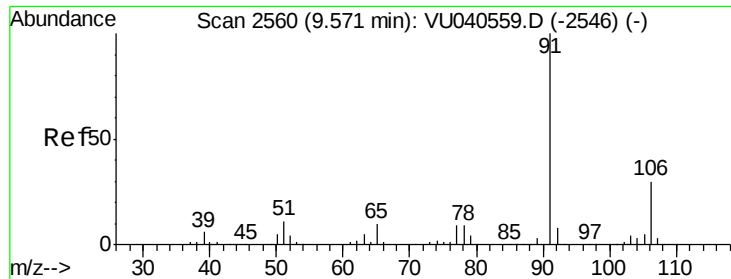
#51
Chlorobenzene
Concen: 19.155 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU040561.D
Acq: 08 Oct 2020 14:32

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	23.1	42.9
77	62.6	50.3	75.5



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 20.384 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040561.D

Acq: 08 Oct 2020 14:32

Instrument :

MSVOA_U

ClientSampleId :

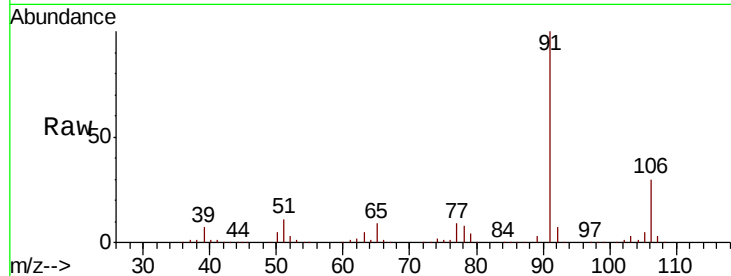
VSTD02003

Tot Ion: 91 Resp: 1103204

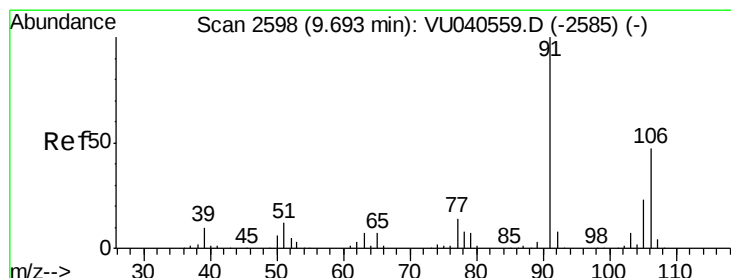
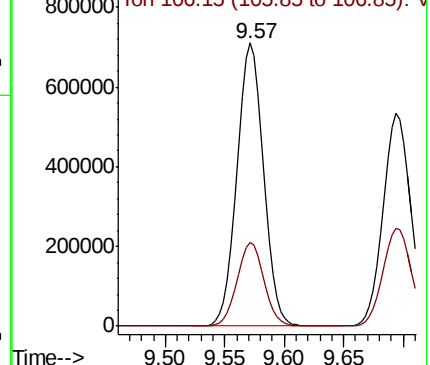
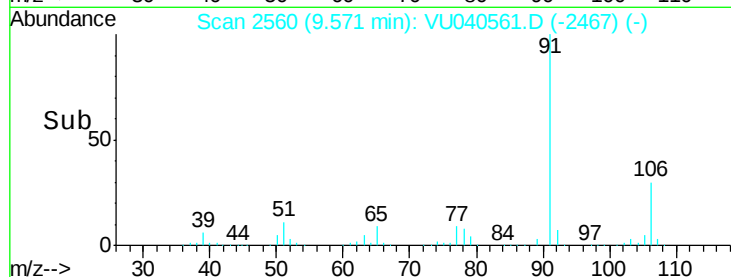
Ion Ratio Lower Upper

91 100

106 29.7 20.7 38.5



Abundance Ion 91.15 (90.85 to 91.85): VU040561.D (-2467) (-)



#53

m,p-Xylene

Concen: 20.152 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040561.D

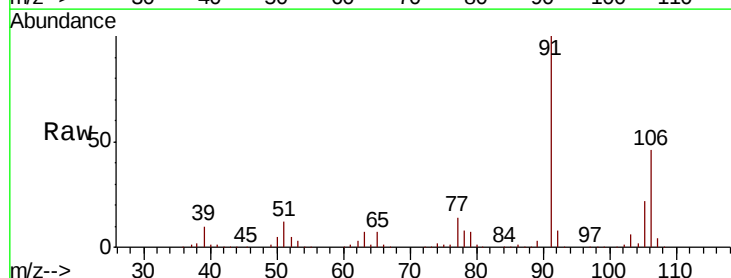
Acq: 08 Oct 2020 14:32

Tgt Ion: 106 Resp: 406331

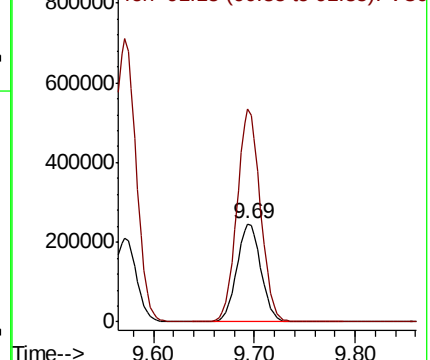
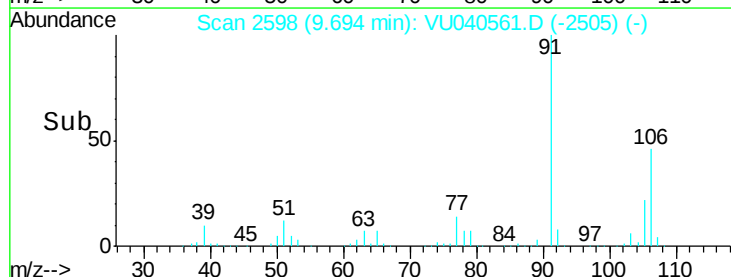
Ion Ratio Lower Upper

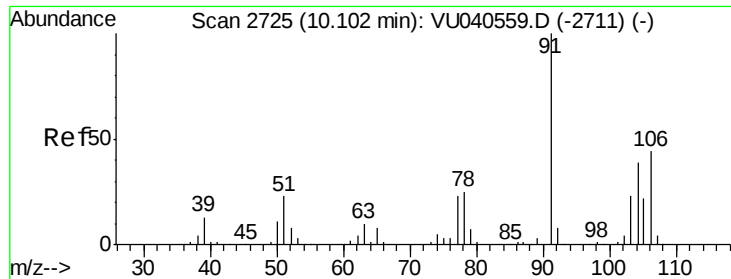
106 100

91 216.7 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): VU040561.D (-2505) (-)

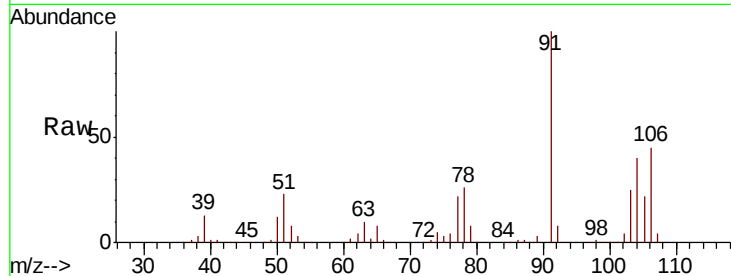




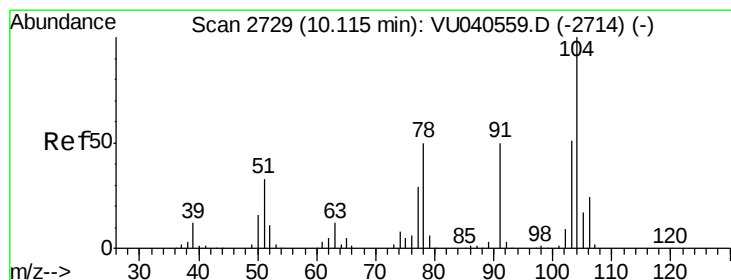
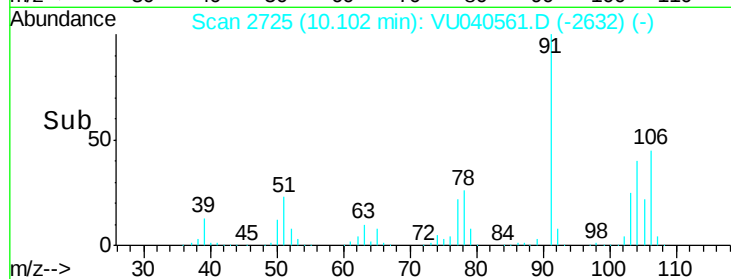
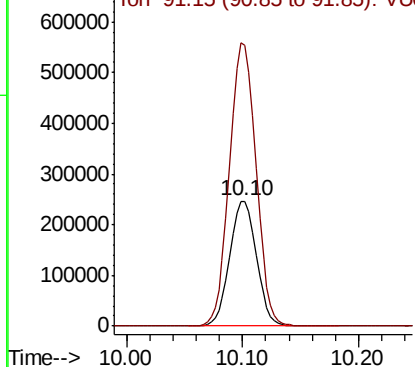
#54
o-Xylene
Concen: 20.680 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040561.D
Acq: 08 Oct 2020 14:32

Instrument :
MSVOA_U
ClientSampleId :
VSTD02003

Tot Ion:106 Resp: 392015
Ion Ratio Lower Upper
106 100
91 224.7 160.2 297.4

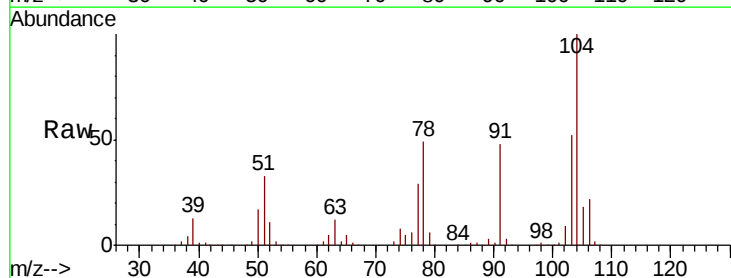


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

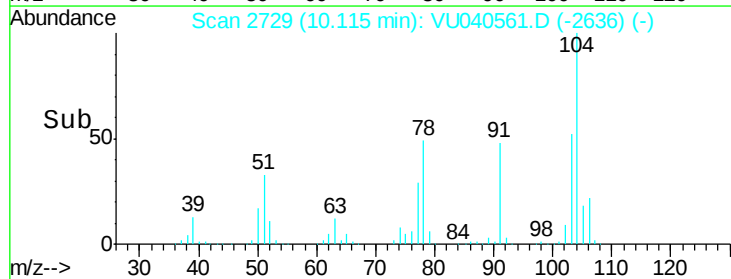
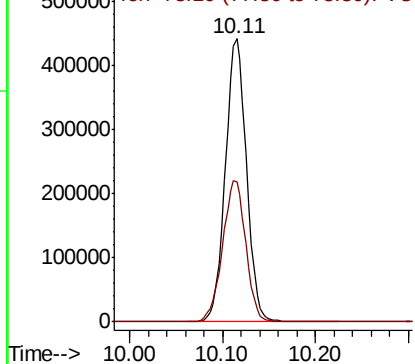


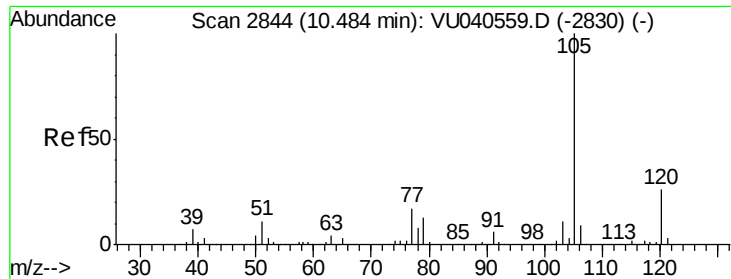
#55
Styrene
Concen: 21.108 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040561.D
Acq: 08 Oct 2020 14:32

Tgt Ion:104 Resp: 697340
Ion Ratio Lower Upper
104 100
78 49.4 34.6 64.3



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





#56

Isopropylbenzene

Concen: 21.163 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040561.D

Acq: 08 Oct 2020 14:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD02003

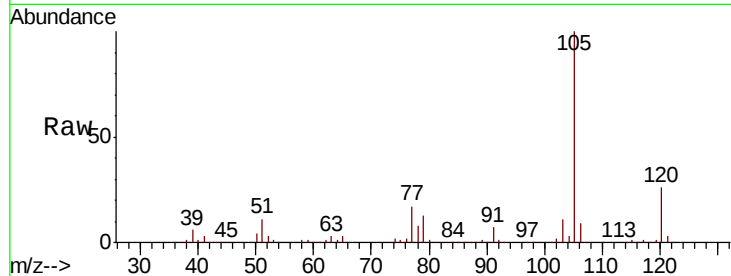
Tot Ion:105 Resp: 1082433

Ion Ratio Lower Upper

105 100

120 25.9 20.6 30.8

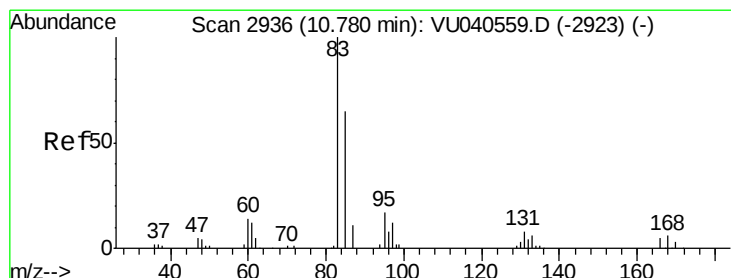
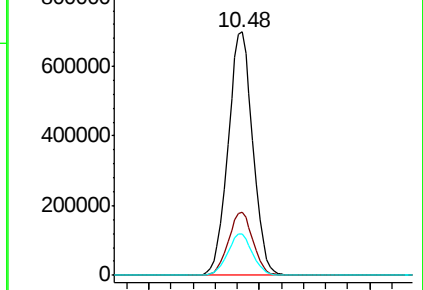
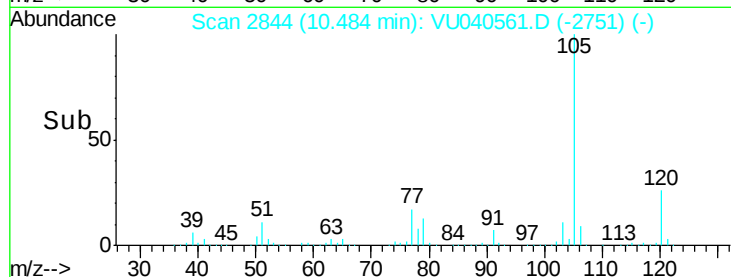
77 17.1 13.8 20.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 19.810 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040561.D

Acq: 08 Oct 2020 14:32

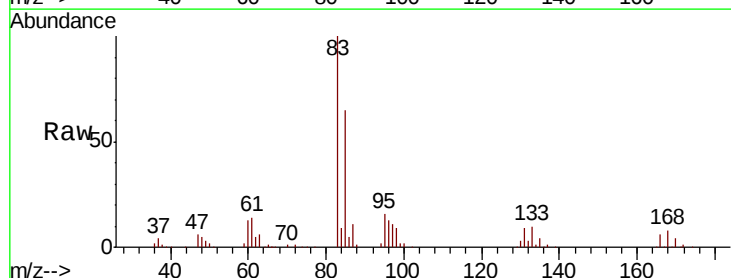
Tgt Ion: 83 Resp: 256034

Ion Ratio Lower Upper

83 100

85 64.9 45.6 84.6

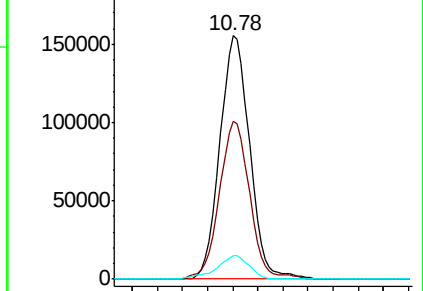
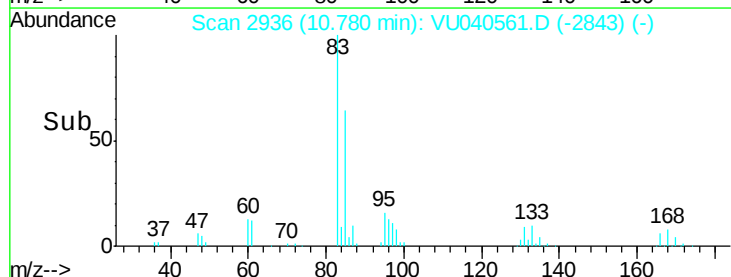
131 9.5 7.1 10.7

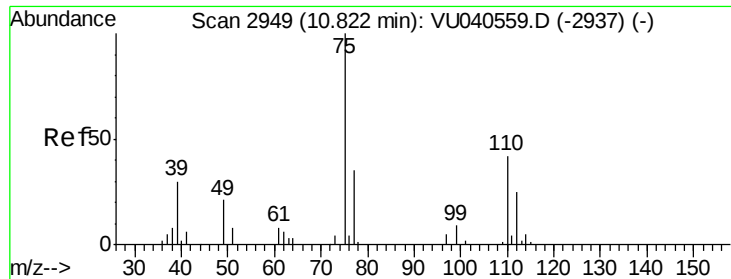


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 19.389 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU040561.D

Acq: 08 Oct 2020 14:32

Instrument :

MSVOA_U

ClientSampleId :

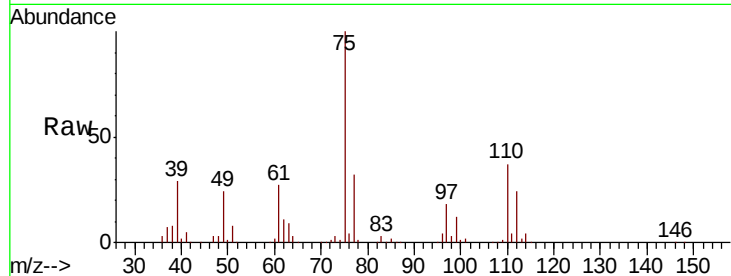
VSTD02003

Tot Ion: 75 Resp: 190591

Ion Ratio Lower Upper

75 100

77 31.9 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU040559.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU040559.D (-2937) (-)

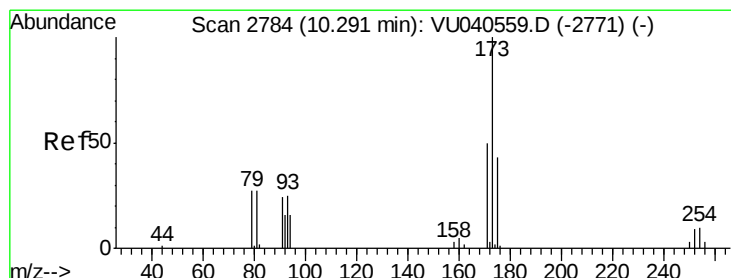
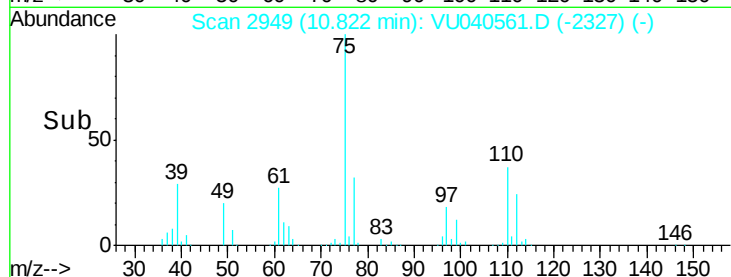
10.82

100000

50000

0

Time-->



#61

Bromoform

Concen: 19.691 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU040561.D

Acq: 08 Oct 2020 14:32

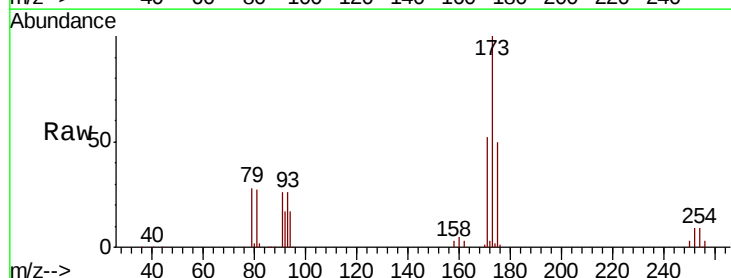
Tgt Ion: 173 Resp: 132562

Ion Ratio Lower Upper

173 100

175 48.9 37.4 56.0

254 8.8 7.4 11.2



Abundance Ion 172.90 (172.60 to 173.60): VU040559.D (-2771) (-)

Ion 174.90 (174.60 to 175.60): VU040559.D (-2771) (-)

Ion 253.75 (253.45 to 254.45): VU040559.D (-2771) (-)

10.29

100000

80000

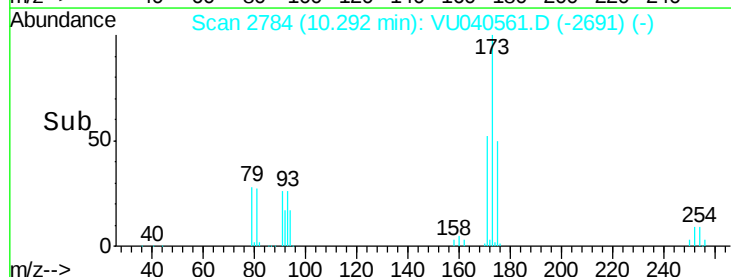
60000

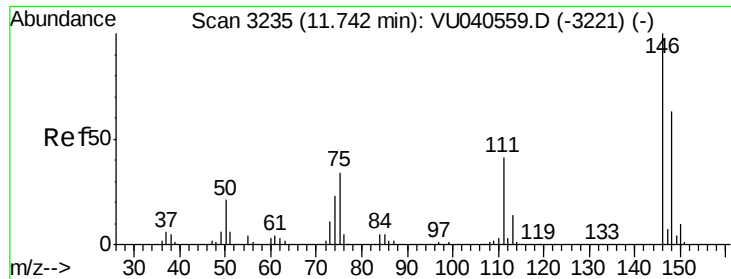
40000

20000

0

Time-->

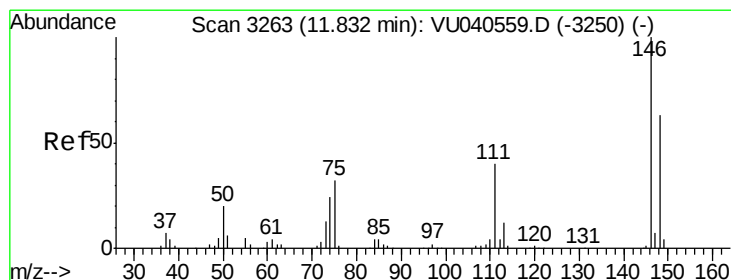
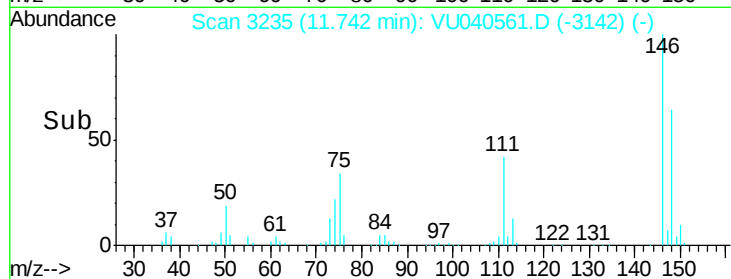
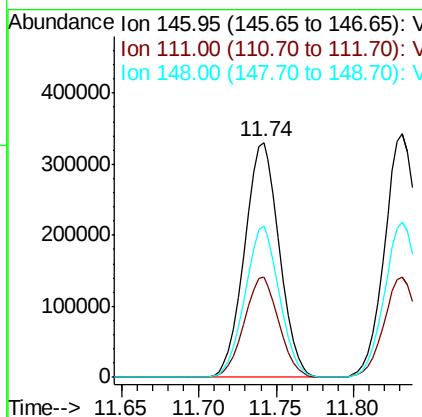
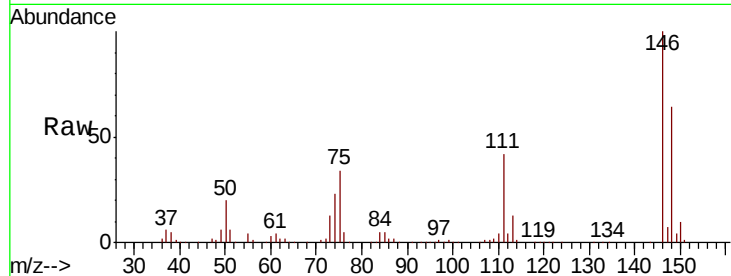




#62
 1,3-Dichlorobenzene
 Concen: 19.534 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040561.D
 Acq: 08 Oct 2020 14:32

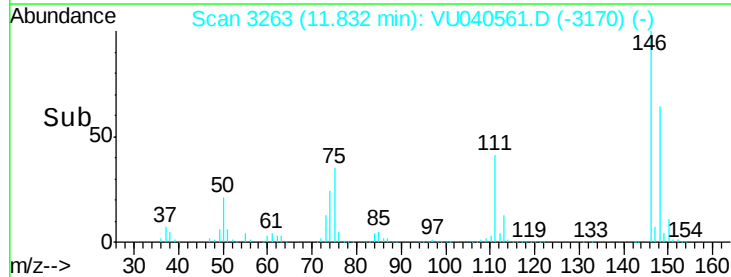
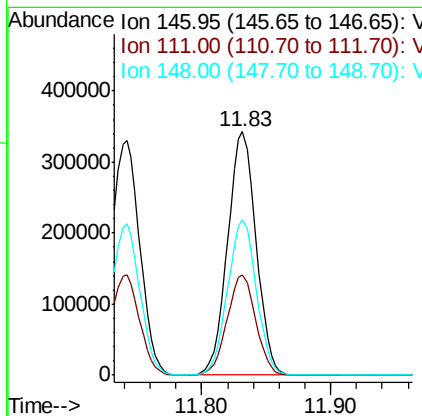
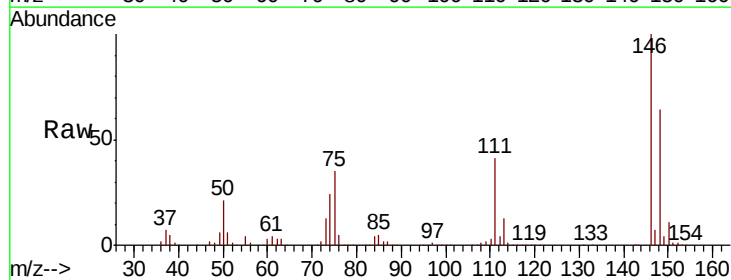
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02003

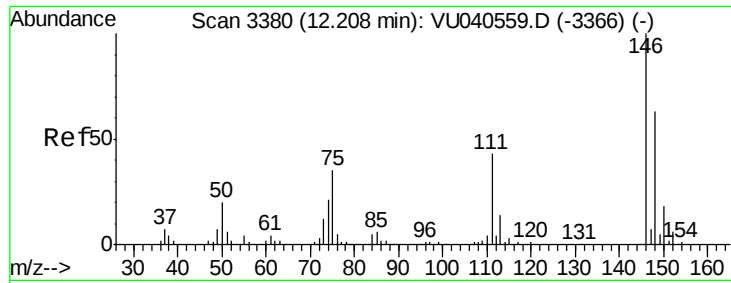
Tot Ion:146 Resp: 517728
 Ion Ratio Lower Upper
 146 100
 111 42.5 28.8 53.6
 148 64.4 44.4 82.4



#63
 1,4-Dichlorobenzene
 Concen: 19.007 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040561.D
 Acq: 08 Oct 2020 14:32

Tgt Ion:146 Resp: 524592
 Ion Ratio Lower Upper
 146 100
 111 41.0 28.4 52.8
 148 63.9 44.0 81.6





#65

1,2-Dichlorobenzene

Concen: 19.472 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040561.D

Acq: 08 Oct 2020 14:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD02003

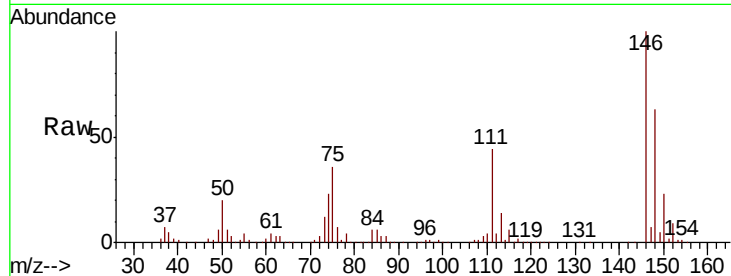
Tot Ion:146 Resp: 502113

Ion Ratio Lower Upper

146 100

111 43.6 34.4 51.6

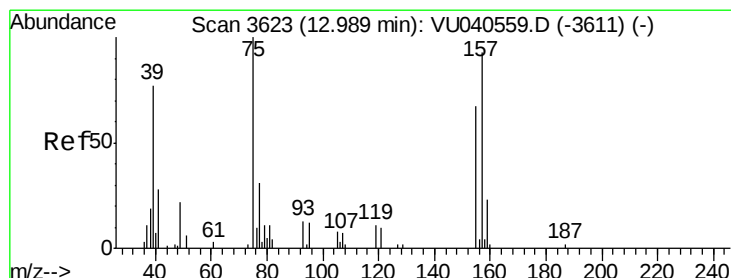
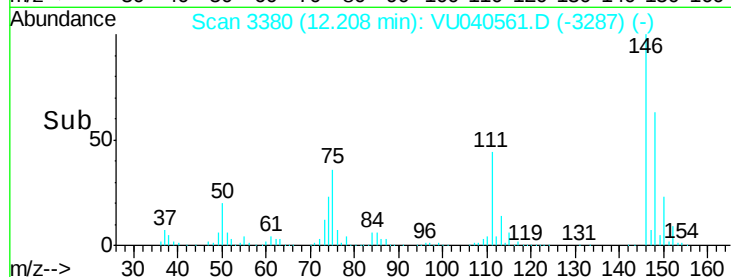
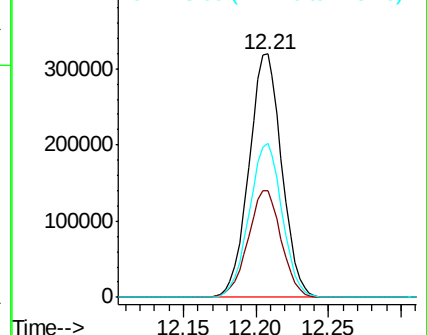
148 63.1 50.0 75.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 19.531 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU040561.D

Acq: 08 Oct 2020 14:32

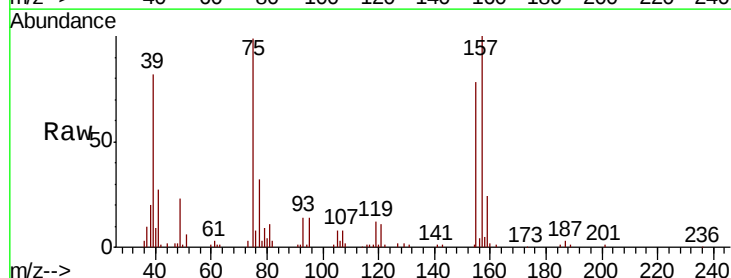
Tgt Ion: 75 Resp: 45644

Ion Ratio Lower Upper

75 100

155 78.9 53.8 80.6

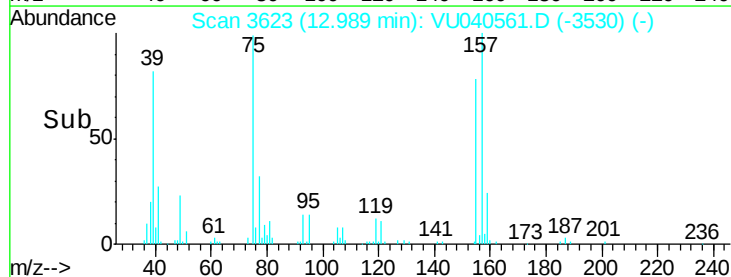
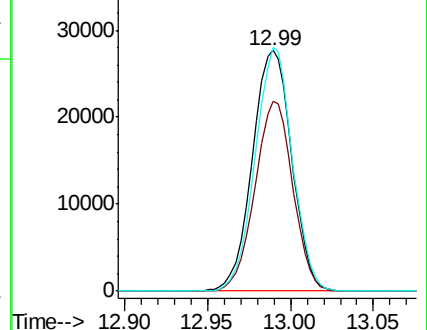
157 101.1 74.6 112.0

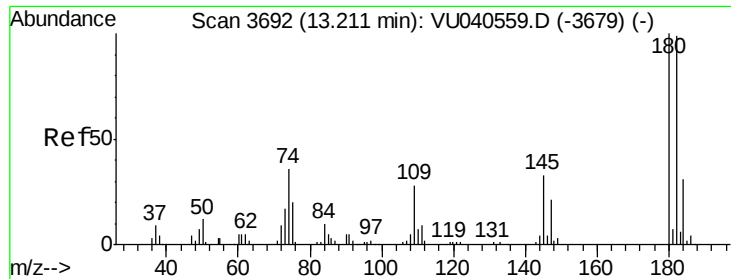


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

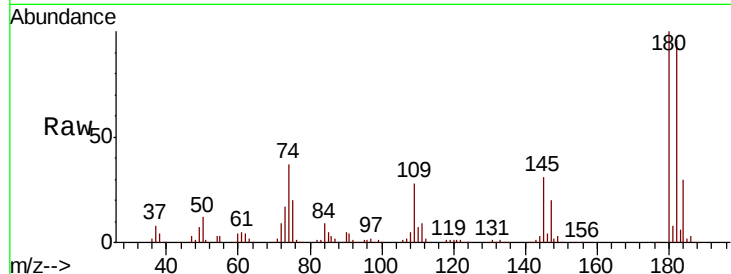




#67
 1,3,5-Trichlorobenzene
 Concen: 20.112 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040561.D
 Acq: 08 Oct 2020 14:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02003

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.0	115.4
184	30.6	24.5	36.7
145	31.9	25.9	38.9



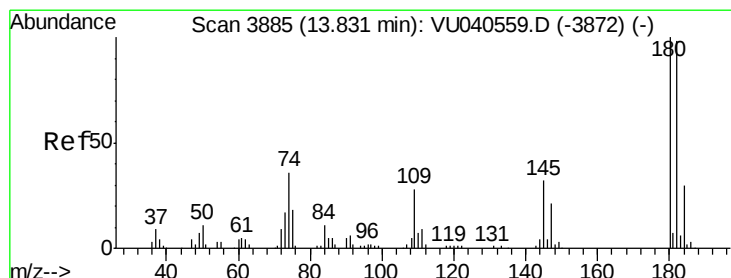
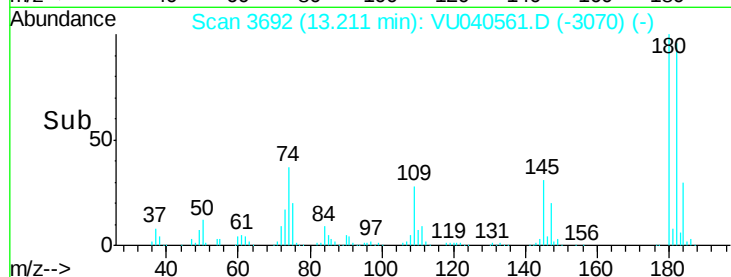
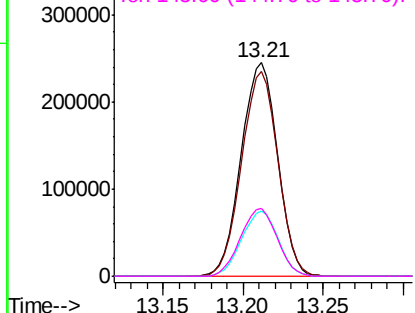
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

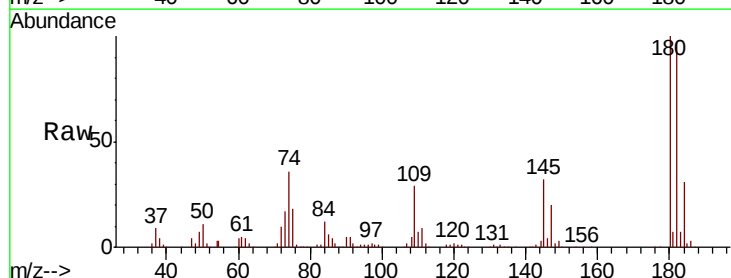
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 22.151 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040561.D
 Acq: 08 Oct 2020 14:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	78.8	118.2
145	32.4	26.1	39.1

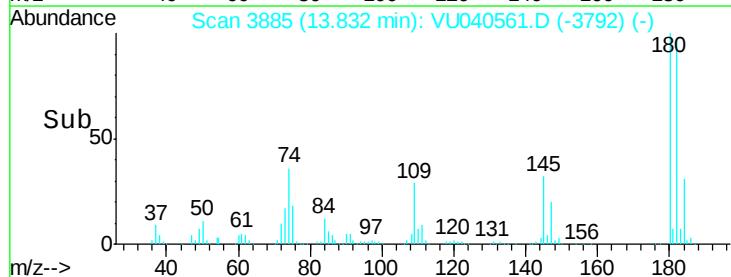
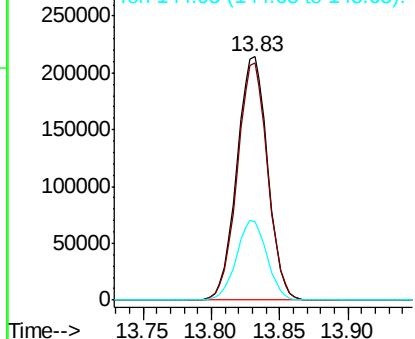


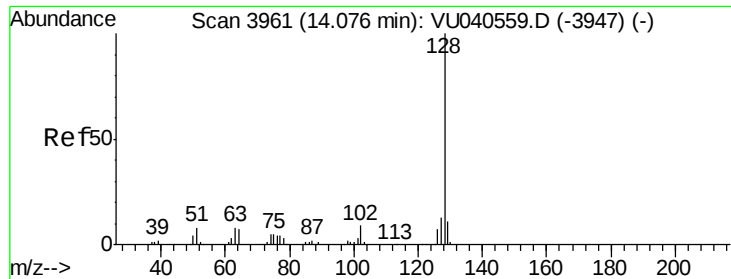
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 25.802 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040561.D

Acq: 08 Oct 2020 14:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD02003

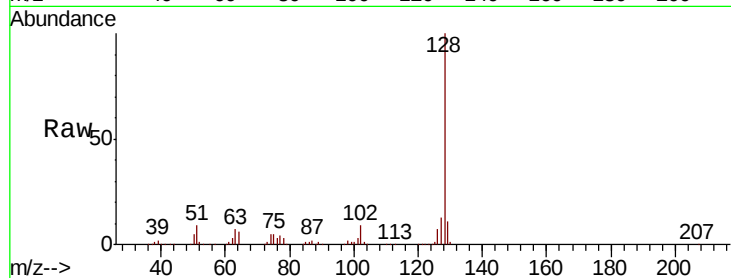
Tot Ion:128 Resp: 661886

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.4

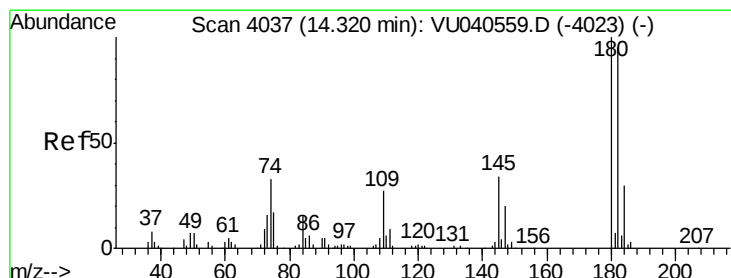
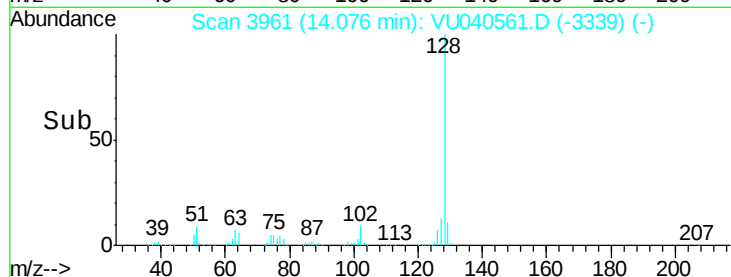
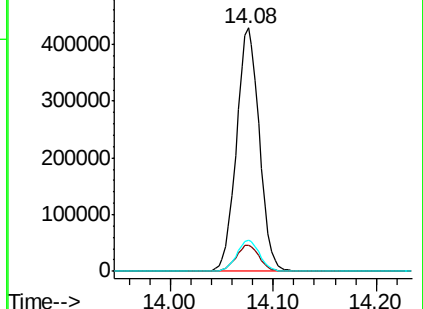
127 12.9 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 22.011 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU040561.D

Acq: 08 Oct 2020 14:32

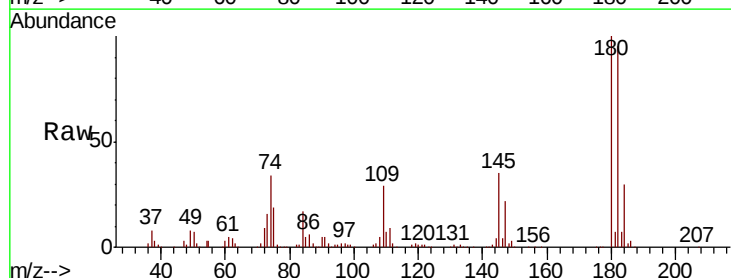
Tgt Ion:180 Resp: 306849

Ion Ratio Lower Upper

180 100

182 94.9 75.8 113.8

145 35.1 27.4 41.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

