

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031120\
 Data File : VU037157.D
 Acq On : 10 Mar 2020 17:31
 Operator : JC/MD
 Sample : VSTD02003
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02003

Quant Time: Mar 11 08:58:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR031120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Mar 11 08:42:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	133694	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	136076	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	67217	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	174139	15.72	ug/L	0.00
7) Chloroethane-d5	1.93	69	109240	11.76	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	363069	18.88	ug/L	0.00
20) 2-Butanone-d5	4.68	46	488309	205.97	ug/L	0.00
24) Chloroform-d	5.11	84	366080	20.41	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	208353	20.29	ug/L	0.00
32) Benzene-d6	5.76	84	670244	16.74	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	213936	16.77	ug/L	0.00
41) Toluene-d8	7.92	98	648283	17.27	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	96226	19.08	ug/L	0.00
46) 2-Hexanone-d5	8.66	63	428766	189.92	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	174876	17.20	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	232130	17.77	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	343965	32.529 ug/L	99
3) Chloromethane	1.54	50	293026	28.423 ug/L	98
5) Vinyl chloride	1.62	62	257797	22.717 ug/L	95
6) Bromomethane	1.87	94	93141	14.894 ug/L	97
8) Chloroethane	1.95	64	111216	14.885 ug/L	99
9) Trichlorofluoromethane	2.15	101	369292	24.328 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	192594	20.676 ug/L	99
12) 1,1-Dichloroethene	2.60	96	176911	21.124 ug/L	95
13) Acetone	2.67	43	371819	129.118 ug/L	95
14) Carbon disulfide	2.82	76	583555	26.663 ug/L	99
15) Methyl Acetate	2.99	43	89575	21.528 ug/L	99
16) Methylene chloride	3.08	84	196915	14.431 ug/L	99
17) Methyl tert-butyl Ether	3.40	73	500858	20.702 ug/L	99
18) trans-1,2-Dichloroethene	3.38	96	190052	21.804 ug/L	98
19) 1,1-Dichloroethane	3.91	63	371147	20.656 ug/L	97
21) 2-Butanone	4.76	43	628508	179.413 ug/L	98
22) cis-1,2-Dichloroethene	4.71	96	211801	20.625 ug/L	92
23) Bromochloromethane	5.02	128	92459	22.183 ug/L	89
25) Chloroform	5.13	83	395034	20.365 ug/L	99
27) 1,2-Dichloroethane	5.83	62	282811	22.563 ug/L	100
29) 1,1,1-Trichloroethane	5.36	97	351015	22.408 ug/L	98
30) Cyclohexane	5.42	56	364916	22.303 ug/L	98
31) Carbon tetrachloride	5.56	117	311039	24.265 ug/L	98
33) Benzene	5.81	78	820017	19.298 ug/L	100
34) Trichloroethene	6.57	95	220304	20.181 ug/L	98
35) Methylcyclohexane	6.79	83	361369	21.008 ug/L	99
37) 1,2-Dichloropropane	6.82	63	216177	18.812 ug/L	100
38) Bromodichloromethane	7.14	83	288946	20.667 ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	337252	20.399 ug/L	97
40) 4-Methyl-2-pentanone	7.83	43	1604419	213.289 ug/L	100

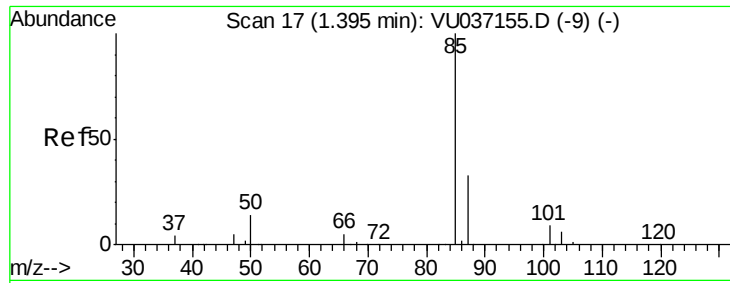
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031120\
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 QLast Update : Wed Mar 11 08:42:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	913044	19.943	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	285845	21.803	ug/L	97
45) 1,1,2-Trichloroethane	8.43	97	152318	18.929	ug/L	97
47) Tetrachloroethene	8.58	164	162814	21.290	ug/L	97
48) 2-Hexanone	8.71	43	1170727	187.632	ug/L	98
49) Dibromochloromethane	8.83	129	193236	22.504	ug/L	98
50) 1,2-Dibromoethane	8.95	107	153631	20.838	ug/L	95
51) Chlorobenzene	9.47	112	568216	20.130	ug/L	99
52) Ethylbenzene	9.59	91	1051438	20.619	ug/L	100
53) m,p-Xylene	9.71	106	386279	20.650	ug/L	99
54) o-Xylene	10.12	106	372445	20.446	ug/L	97
55) Styrene	10.13	104	629236	20.459	ug/L	100
56) Isopropylbenzene	10.50	105	1023790	20.890	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	199650	19.094	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	148229	19.367	ug/L	96
61) Bromoform	10.31	173	106930	22.421	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	451271	19.469	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	447209	19.567	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	423011	19.049	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	35467	21.509	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	329334	20.358	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	266948	22.417	ug/L	99
69) Naphthalene	14.12	128	470985	22.889	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	244830	22.736	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 32.529 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037157.D

Acq: 10 Mar 2020 17:31

Instrument :

MSVOA_U

ClientSampleId :

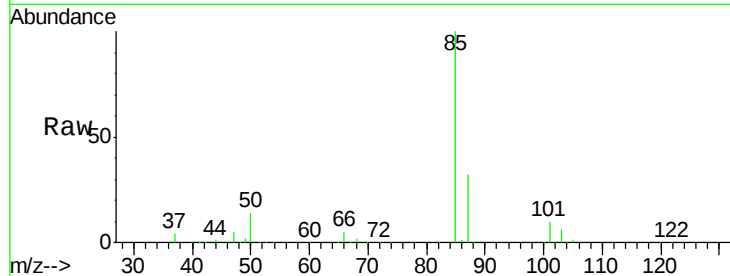
VSTD02003

Tgt Ion: 85 Resp: 343965

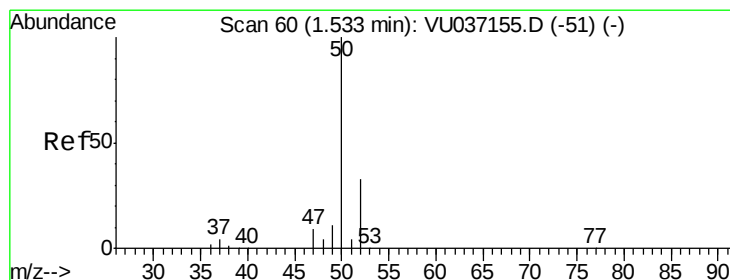
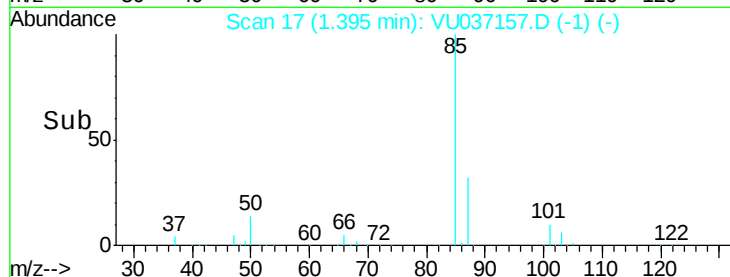
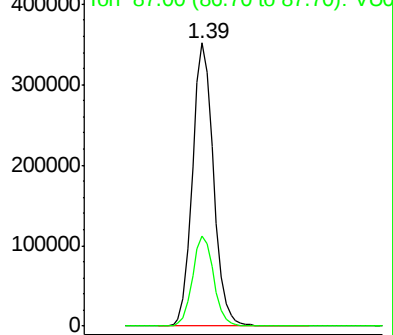
Ion Ratio Lower Upper

85 100

87 32.1 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU037157.D (-1) (-)



#3

Chloromethane

Concen: 28.423 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU037157.D

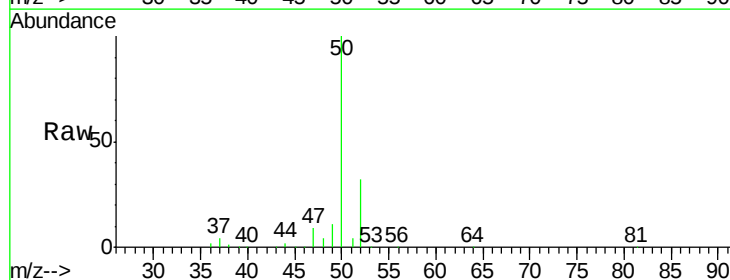
Acq: 10 Mar 2020 17:31

Tgt Ion: 50 Resp: 293026

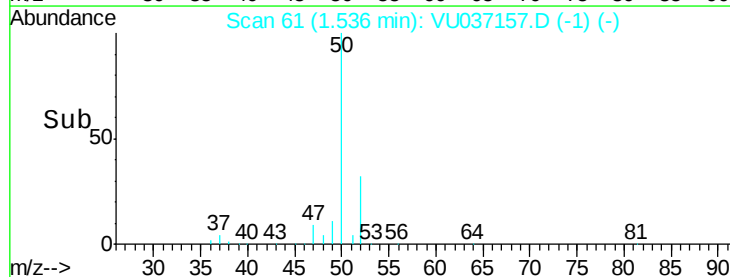
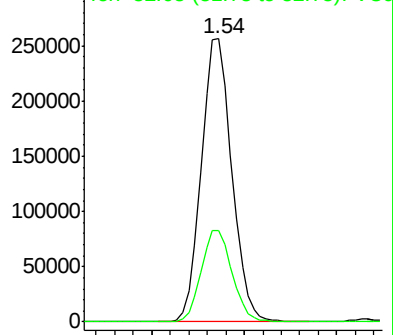
Ion Ratio Lower Upper

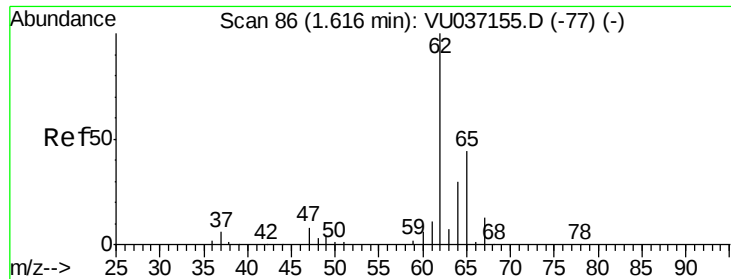
50 100

52 32.4 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU037157.D (-1) (-)





#5

Vinyl chloride

Concen: 22.717 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037157.D

Acq: 10 Mar 2020 17:31

Instrument :

MSVOA_U

ClientSampleId :

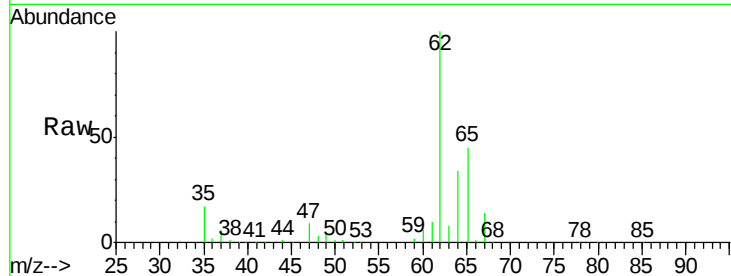
VSTD02003

Tgt Ion: 62 Resp: 257797

Ion Ratio Lower Upper

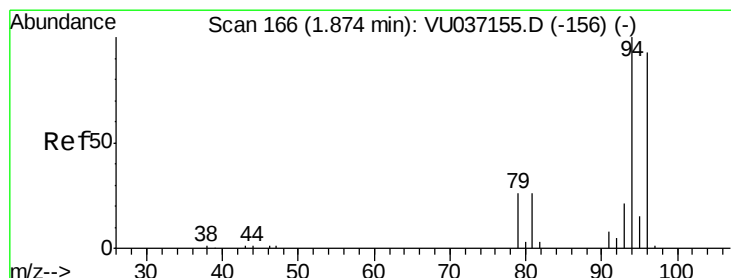
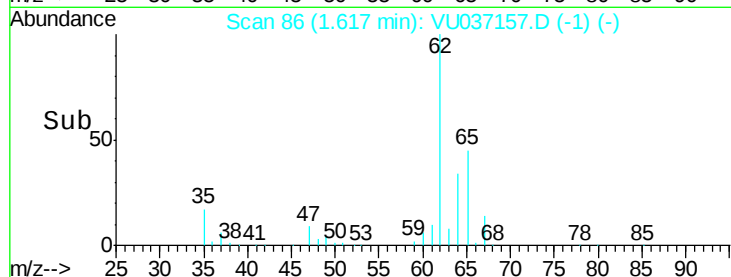
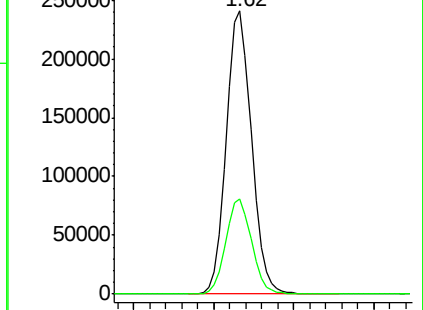
62 100

64 33.5 21.6 40.0



Abundance Ion 62.00 (61.70 to 62.70): VU037157.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU037157.D (-1) (-)



#6

Bromomethane

Concen: 14.894 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU037157.D

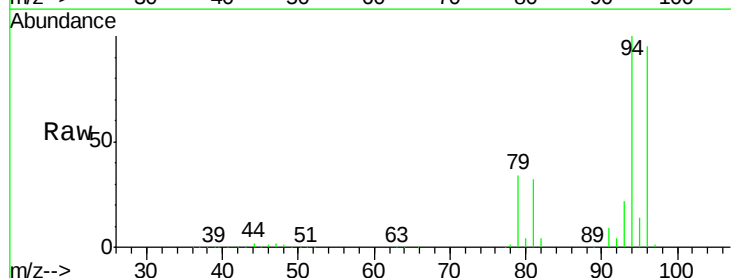
Acq: 10 Mar 2020 17:31

Tgt Ion: 94 Resp: 93141

Ion Ratio Lower Upper

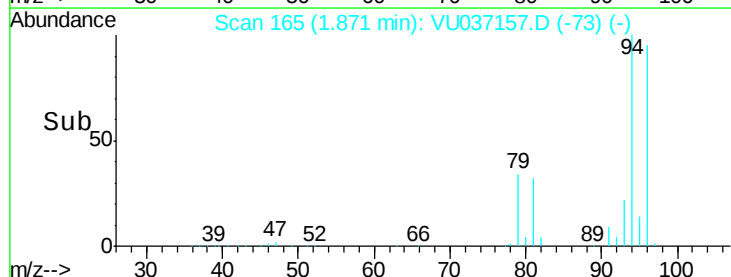
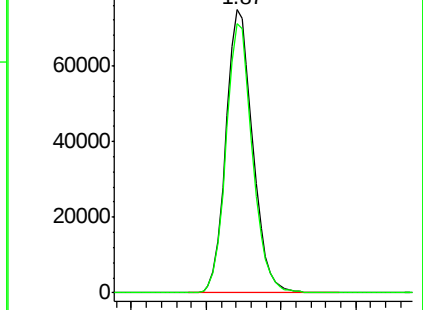
94 100

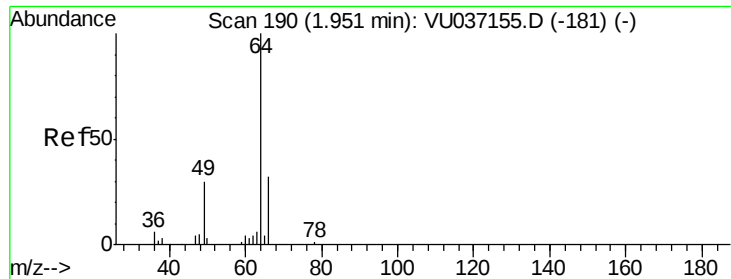
96 95.3 64.8 120.4



Abundance Ion 94.00 (93.70 to 94.70): VU037157.D (-73) (-)

Ion 96.00 (95.70 to 96.70): VU037157.D (-73) (-)





#8

Chloroethane

Concen: 14.885 ug/L

RT: 1.95 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU037157.D

Acq: 10 Mar 2020 17:31

Instrument :

MSVOA_U

ClientSampleId :

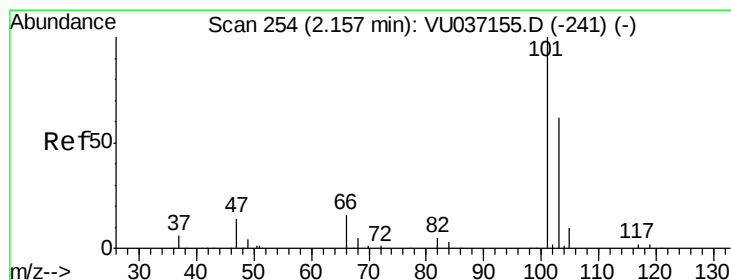
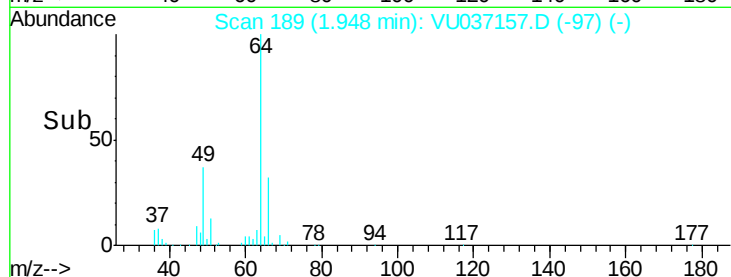
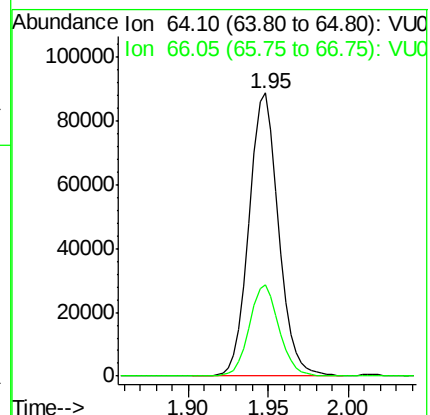
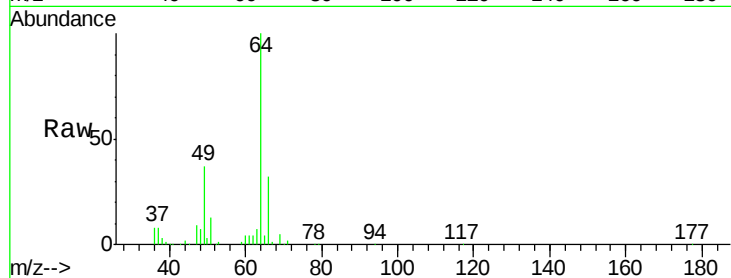
VSTD02003

Tgt Ion: 64 Resp: 111216

Ion Ratio Lower Upper

64 100

66 32.2 22.0 40.8



#9

Trichlorofluoromethane

Concen: 24.328 ug/L

RT: 2.15 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU037157.D

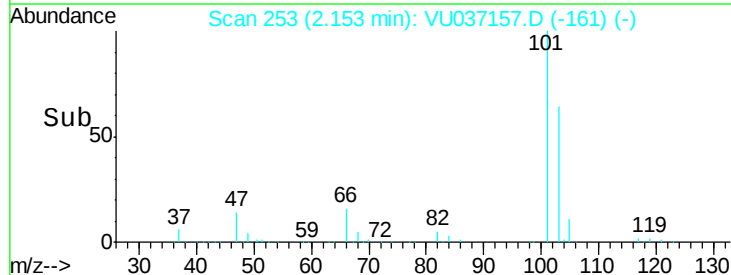
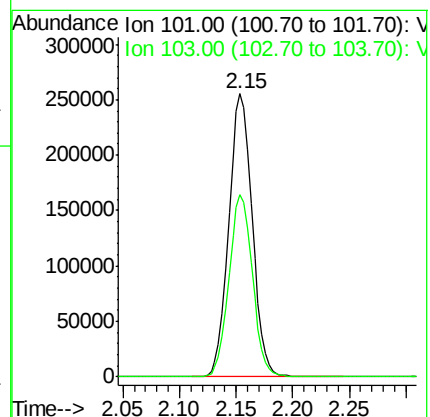
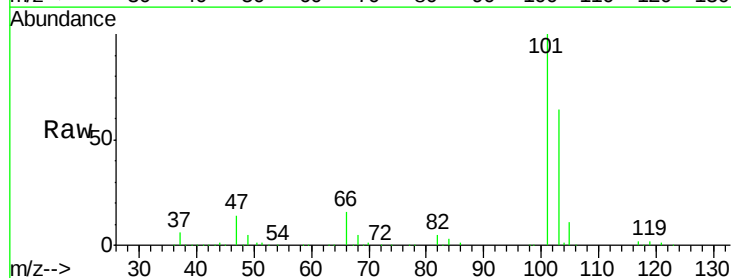
Acq: 10 Mar 2020 17:31

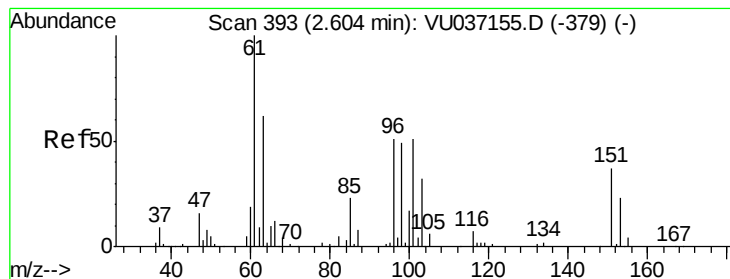
Tgt Ion: 101 Resp: 369292

Ion Ratio Lower Upper

101 100

103 64.5 50.2 75.4





#10

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

Concen: 20.676 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU037157.D

Acq: 10 Mar 2020 17:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD02003

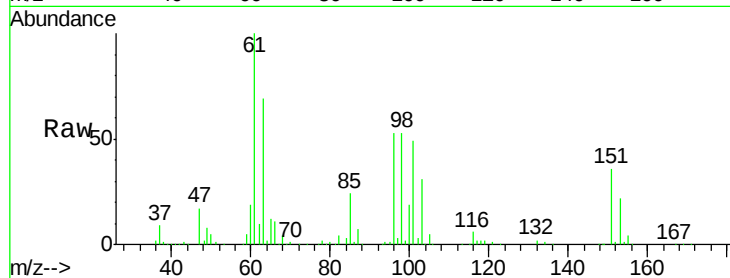
Tgt Ion: 101 Resp: 192594

Ion Ratio Lower Upper

101 100

85 47.4 37.5 56.3

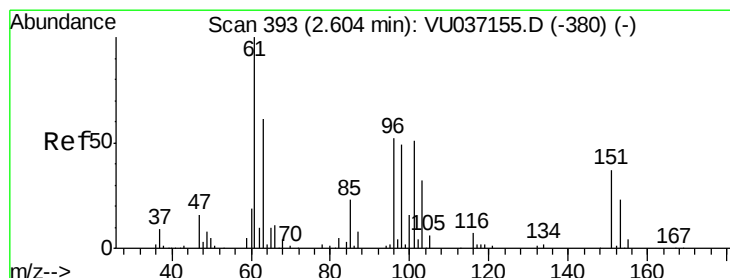
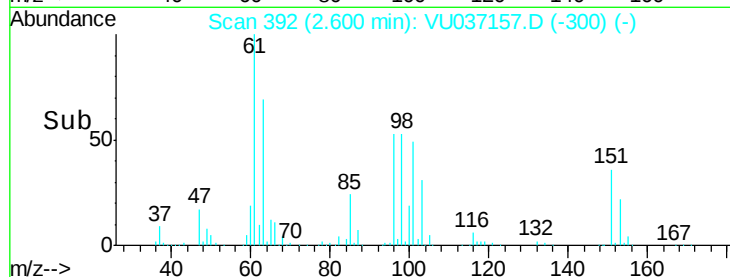
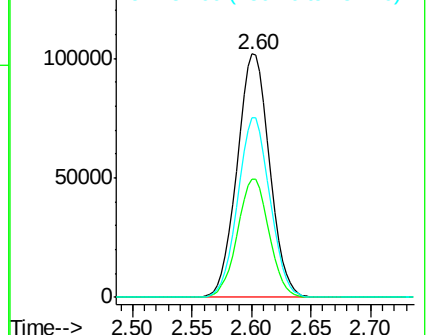
151 73.2 59.8 89.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 21.124 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU037157.D

Acq: 10 Mar 2020 17:31

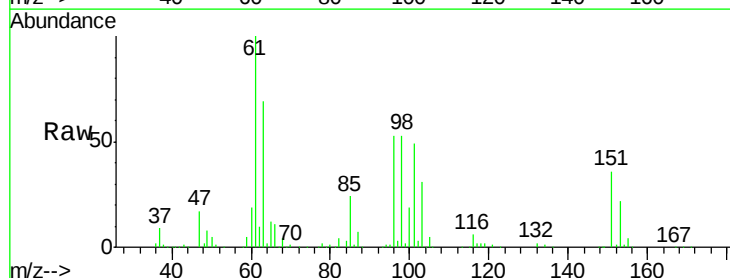
Tgt Ion: 96 Resp: 176911

Ion Ratio Lower Upper

96 100

61 190.5 136.4 253.2

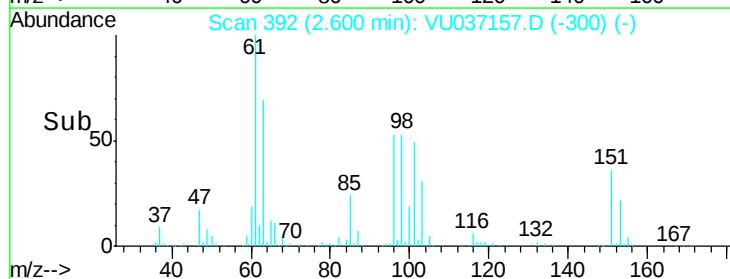
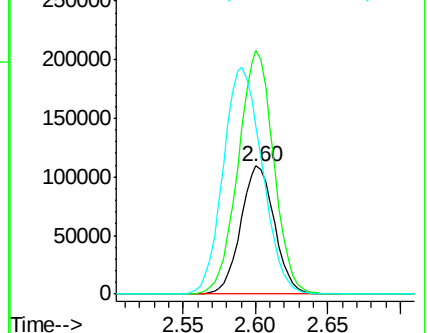
63 131.7 86.2 160.0

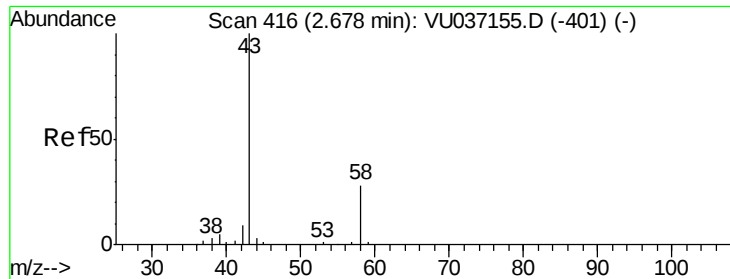


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 129.118 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.01 min

Lab File: VU037157.D

Acq: 10 Mar 2020 17:31

Instrument :

MSVOA_U

ClientSampleId :

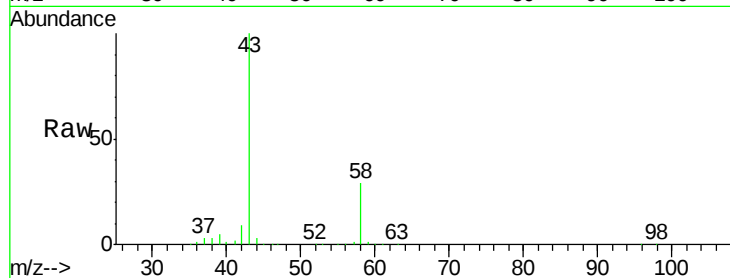
VSTD02003

Tgt Ion: 43 Resp: 371819

Ion Ratio Lower Upper

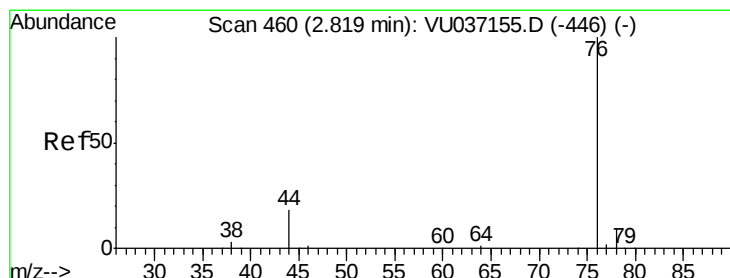
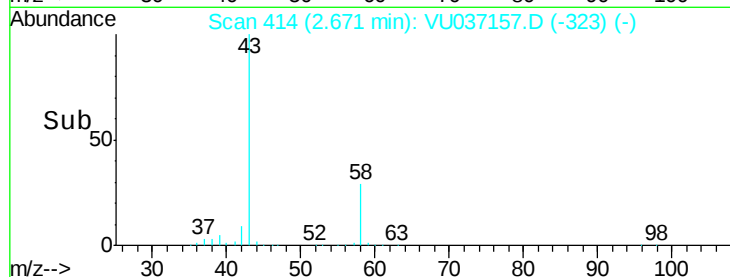
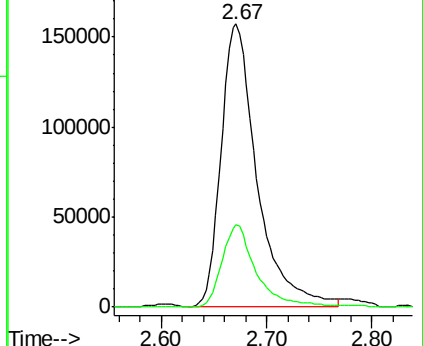
43 100

58 28.5 0.0 52.2



Abundance Ion 43.05 (42.75 to 43.75): VU037157.D (-323) (-)

Ion 58.05 (57.75 to 58.75): VU037157.D (-323) (-)



#14

Carbon disulfide

Concen: 26.663 ug/L

RT: 2.82 min Scan# 459

Delta R.T. -0.00 min

Lab File: VU037157.D

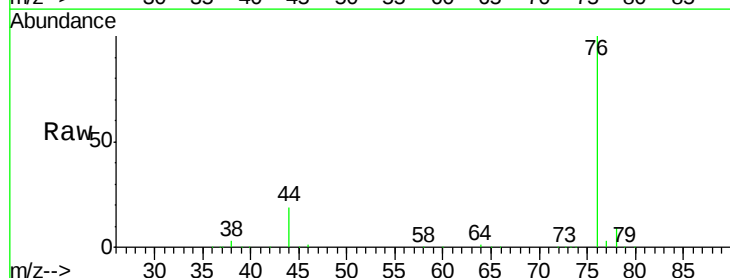
Acq: 10 Mar 2020 17:31

Tgt Ion: 76 Resp: 583555

Ion Ratio Lower Upper

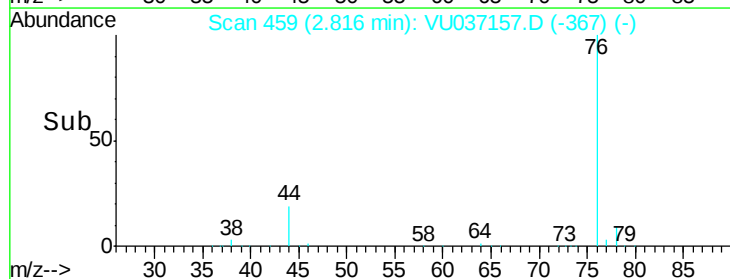
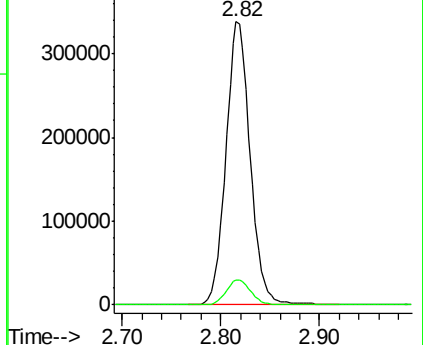
76 100

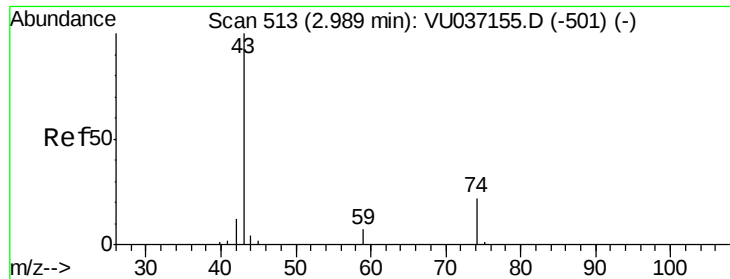
78 8.9 6.9 10.3



Abundance Ion 76.05 (75.75 to 76.75): VU037157.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU037157.D (-367) (-)

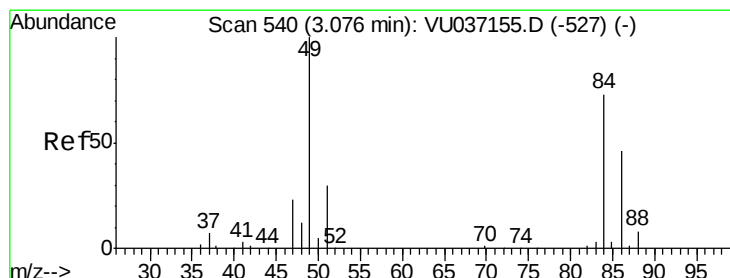
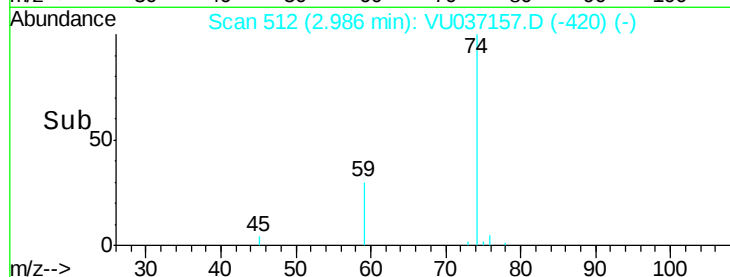
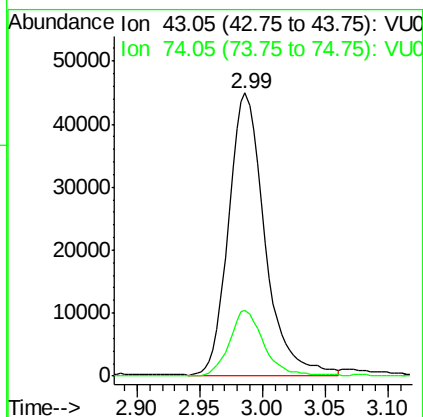
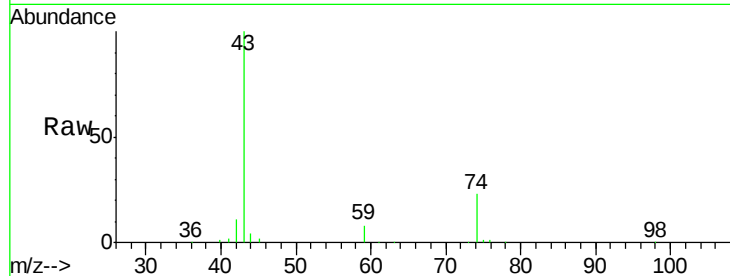




#15
Methyl Acetate
Concen: 21.528 ug/L
RT: 2.99 min Scan# 512
Delta R.T. -0.00 min
Lab File: VU037157.D
Acq: 10 Mar 2020 17:31

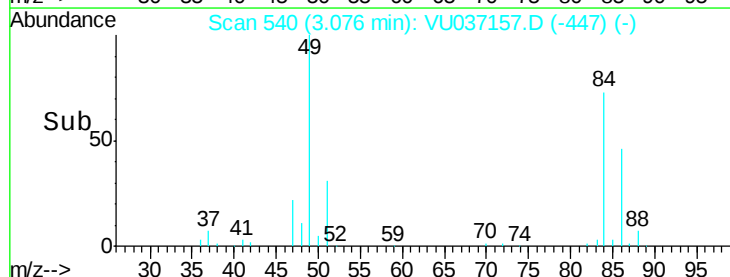
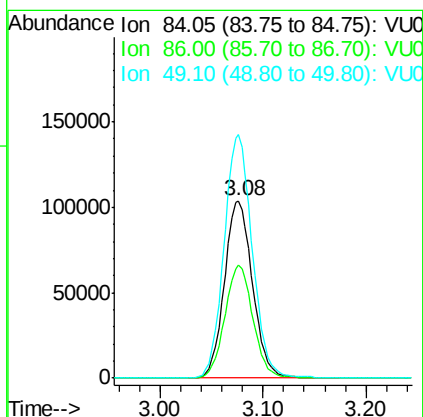
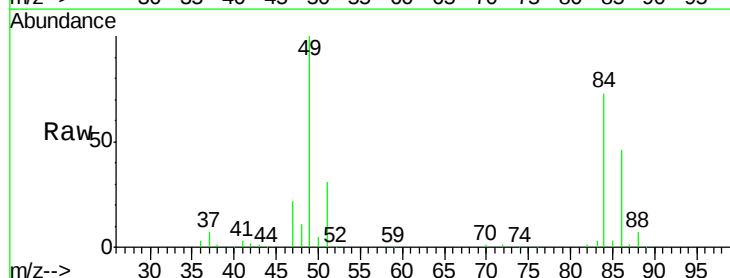
Instrument :
MSVOA_U
ClientSampleId :
VSTD02003

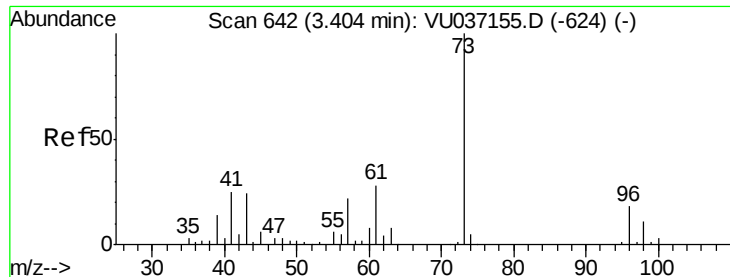
Tgt Ion: 43 Resp: 89575
Ion Ratio Lower Upper
43 100
74 22.1 17.1 25.7



#16
Methylene chloride
Concen: 14.431 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU037157.D
Acq: 10 Mar 2020 17:31

Tgt Ion: 84 Resp: 196915
Ion Ratio Lower Upper
84 100
86 63.6 44.3 82.3
49 137.1 95.3 177.1

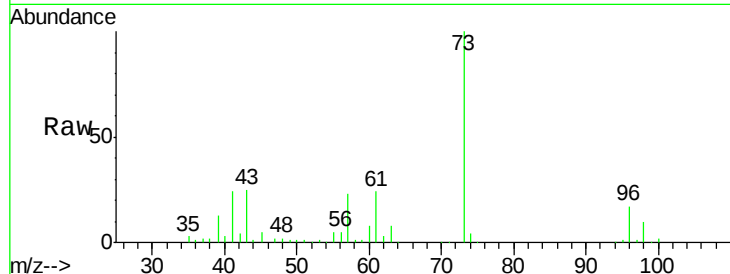




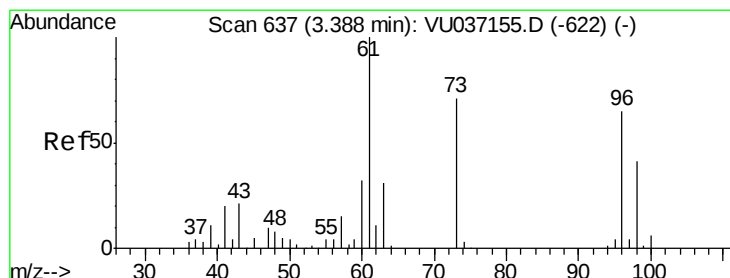
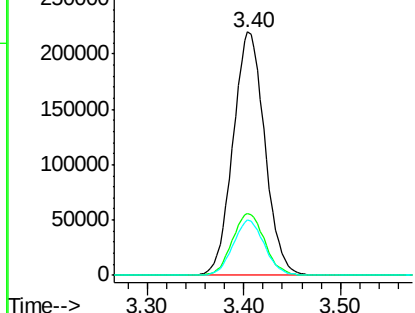
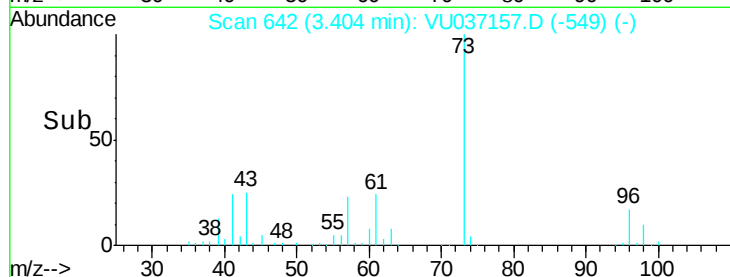
#17
Methyl tert-butyl Ether
Concen: 20.702 ug/L
RT: 3.40 min Scan# 642
Delta R.T. 0.00 min
Lab File: VU037157.D
Acq: 10 Mar 2020 17:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD02003

Tgt Ion: 73 Resp: 500858
Ion Ratio Lower Upper
73 100
43 26.0 21.1 31.7
57 22.5 17.9 26.9

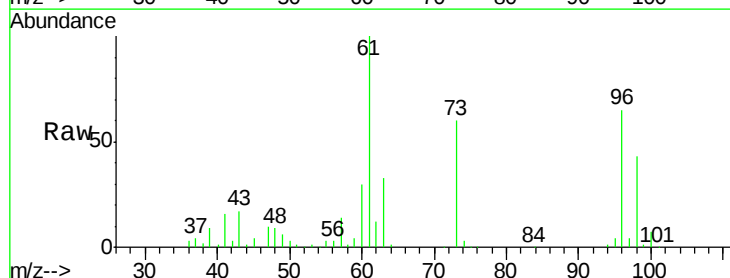


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

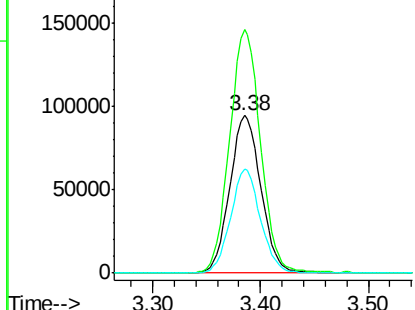
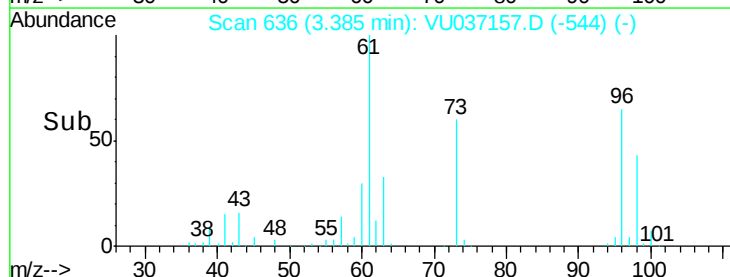


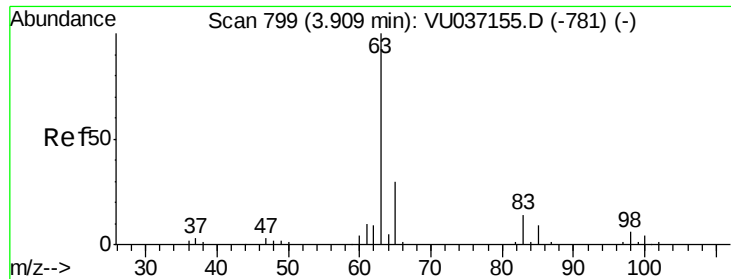
#18
trans-1,2-Dichloroethene
Concen: 21.804 ug/L
RT: 3.38 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU037157.D
Acq: 10 Mar 2020 17:31

Tgt Ion: 96 Resp: 190052
Ion Ratio Lower Upper
96 100
61 154.5 107.2 199.2
98 66.4 43.6 81.0



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

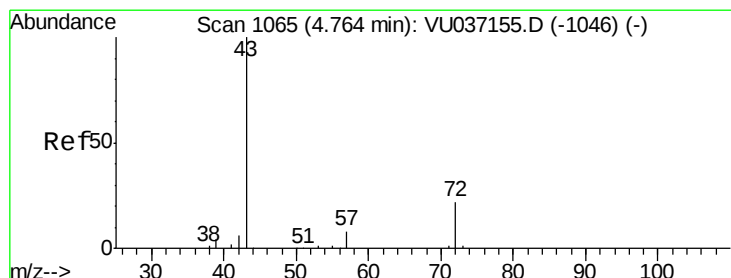
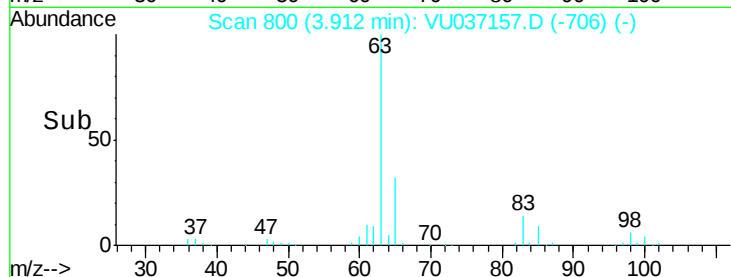
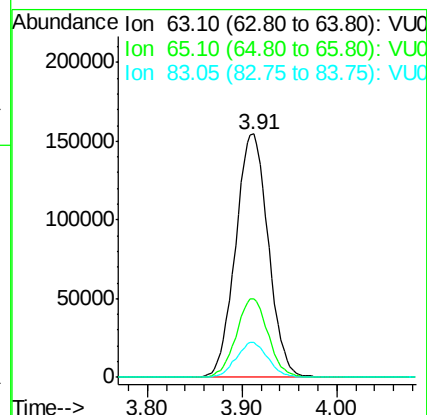
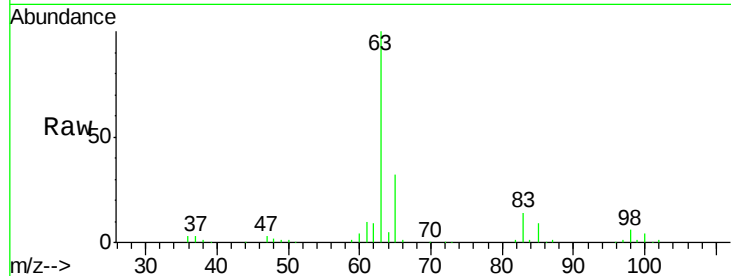




#19
 1,1-Dichloroethane
 Concen: 20.656 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU037157.D
 Acq: 10 Mar 2020 17:31

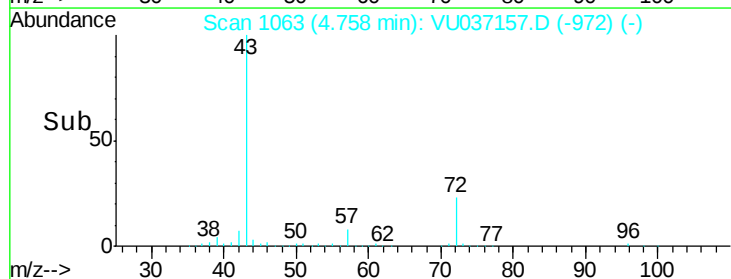
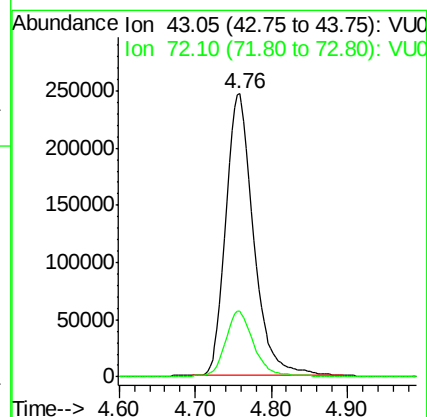
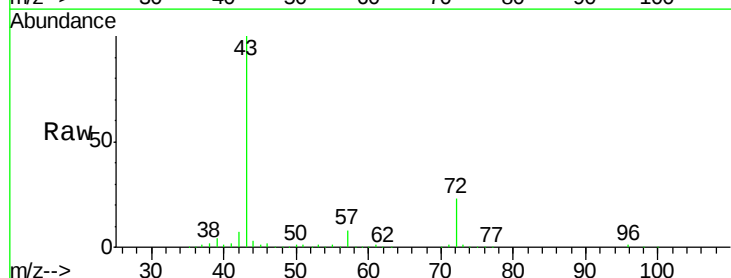
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02003

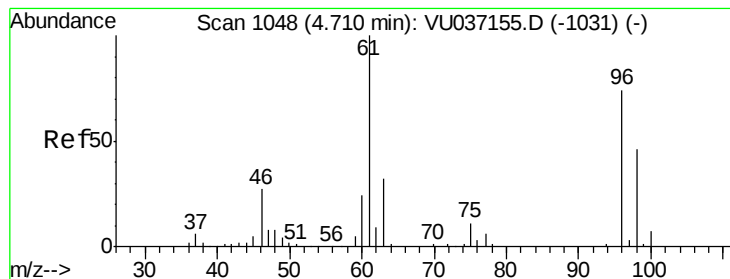
Tgt Ion: 63 Resp: 371147
 Ion Ratio Lower Upper
 63 100
 65 32.4 21.3 39.5
 83 14.2 10.0 18.6



#21
 2-Butanone
 Concen: 179.413 ug/L
 RT: 4.76 min Scan# 1063
 Delta R.T. -0.01 min
 Lab File: VU037157.D
 Acq: 10 Mar 2020 17:31

Tgt Ion: 43 Resp: 628508
 Ion Ratio Lower Upper
 43 100
 72 24.3 11.6 34.7





#22

cis-1,2-Dichloroethene

Concen: 20.625 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU037157.D

Acq: 10 Mar 2020 17:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD02003

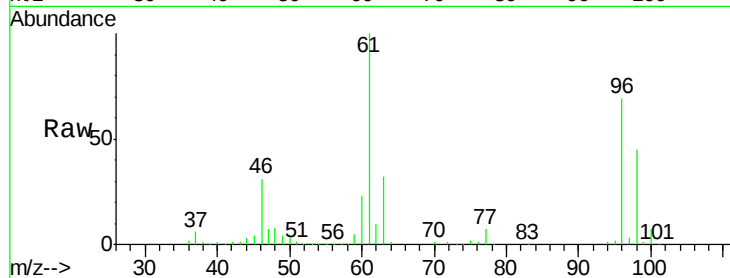
Tgt Ion: 96 Resp: 211801

Ion Ratio Lower Upper

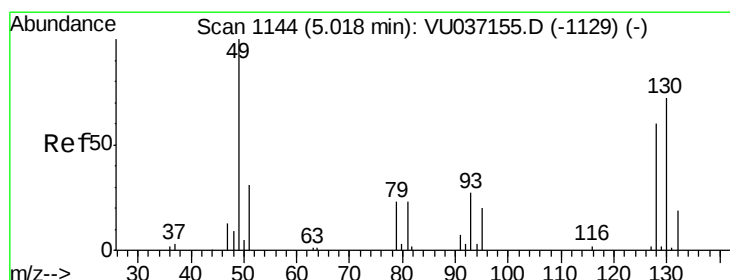
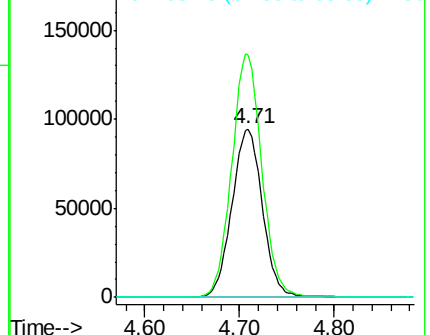
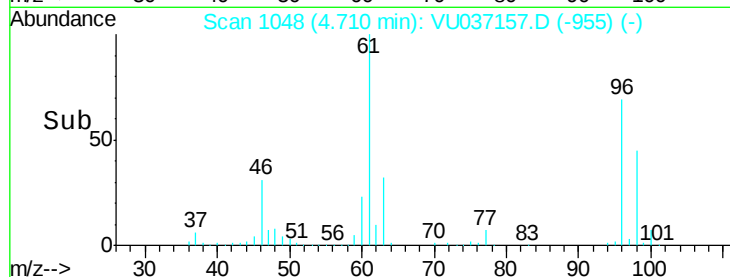
96 100

61 144.0 94.1 174.8

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037157.D (-955) (-)



#23

Bromochloromethane

Concen: 22.183 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VU037157.D

Acq: 10 Mar 2020 17:31

Tgt Ion: 128 Resp: 92459

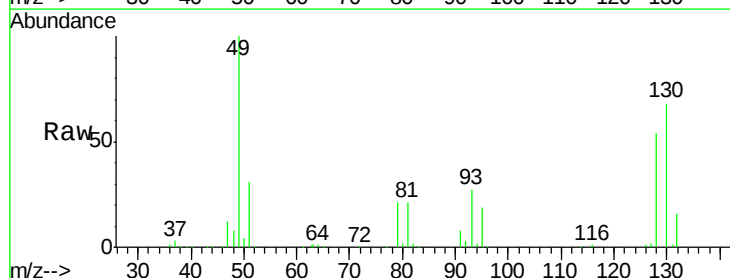
Ion Ratio Lower Upper

128 100

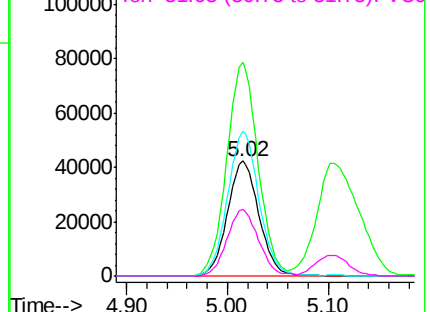
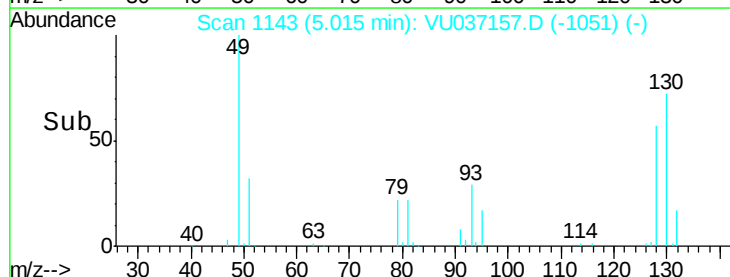
49 186.2 115.7 214.9

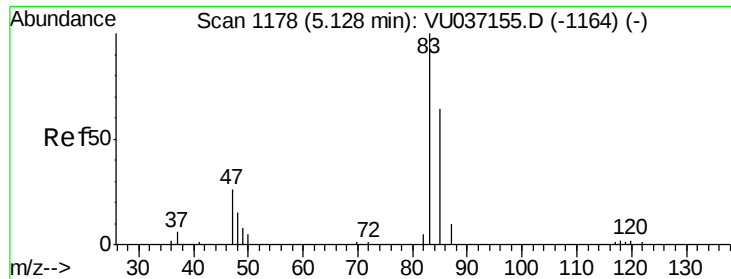
130 125.9 83.1 154.3

51 57.8 42.5 63.7



Abundance Ion 127.90 (127.60 to 128.60): VU037157.D (-1051) (-)

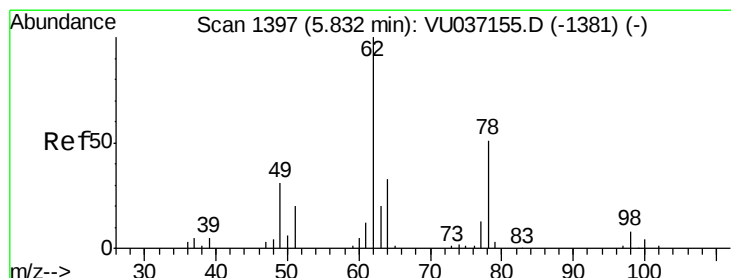
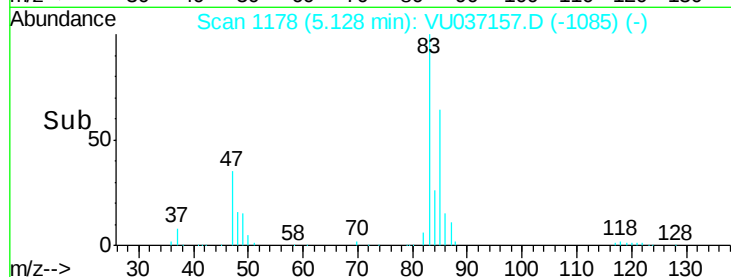
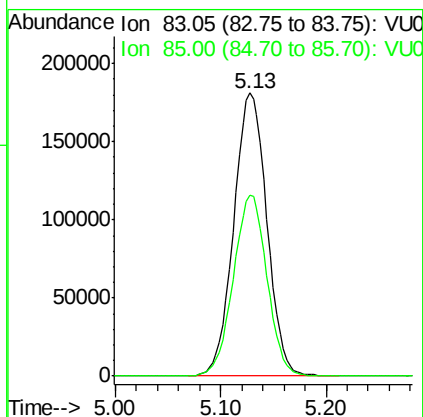
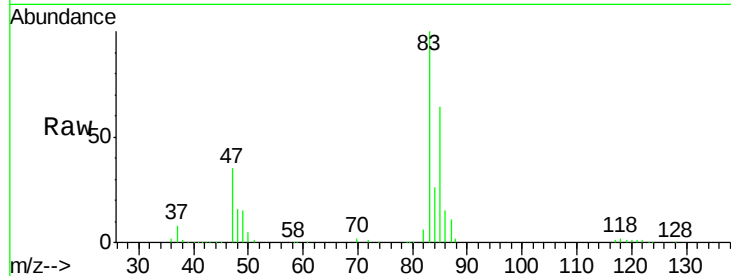




#25
Chloroform
Concen: 20.365 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037157.D
Acq: 10 Mar 2020 17:31

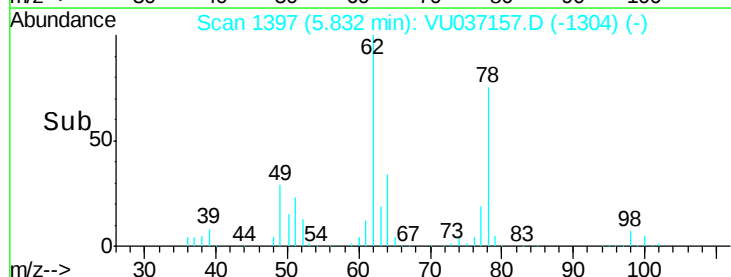
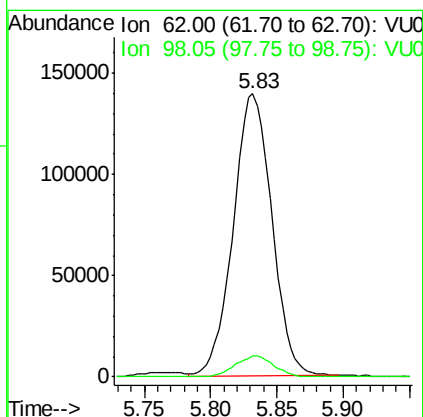
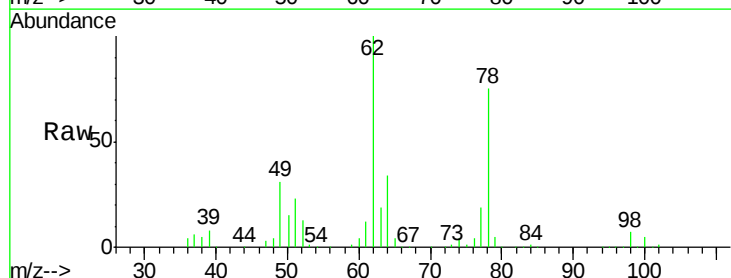
Instrument :
MSVOA_U
ClientSampleId :
VSTD02003

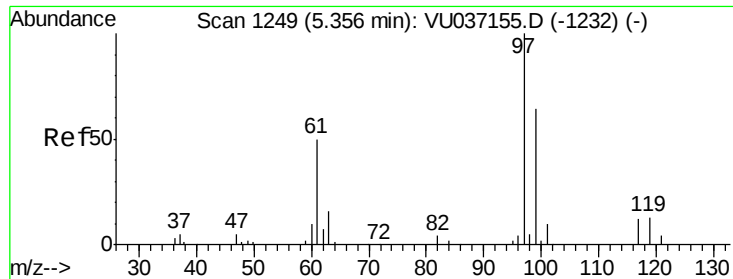
Tgt Ion: 83 Resp: 395034
Ion Ratio Lower Upper
83 100
85 64.1 45.3 84.1



#27
1,2-Dichloroethane
Concen: 22.563 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU037157.D
Acq: 10 Mar 2020 17:31

Tgt Ion: 62 Resp: 282811
Ion Ratio Lower Upper
62 100
98 7.3 5.9 8.9

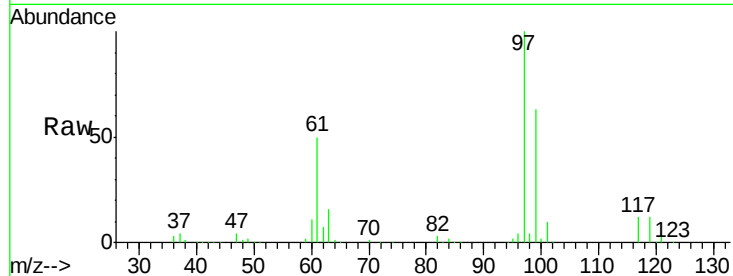




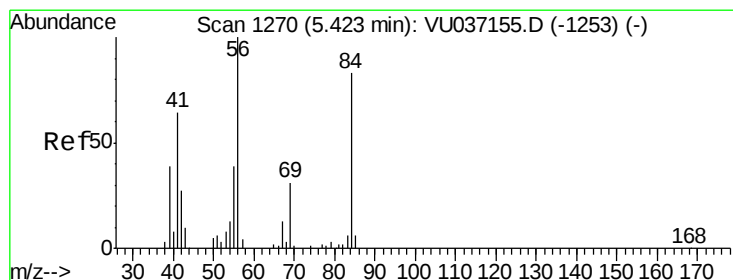
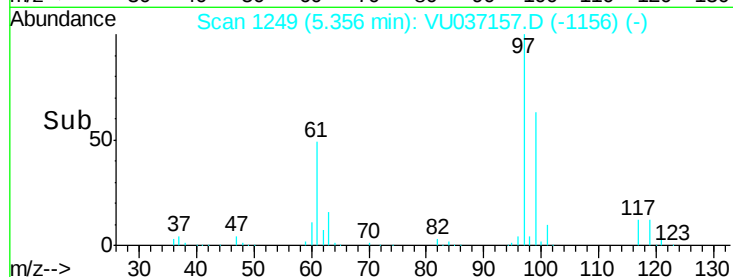
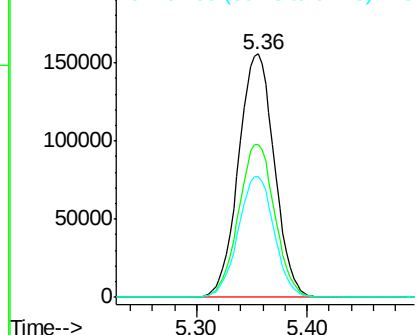
#29
 1,1,1-Trichloroethane
 Concen: 22.408 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VU037157.D
 Acq: 10 Mar 2020 17:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02003

Tgt Ion: 97 Resp: 351015
 Ion Ratio Lower Upper
 97 100
 99 63.4 52.4 78.6
 61 49.6 40.6 61.0

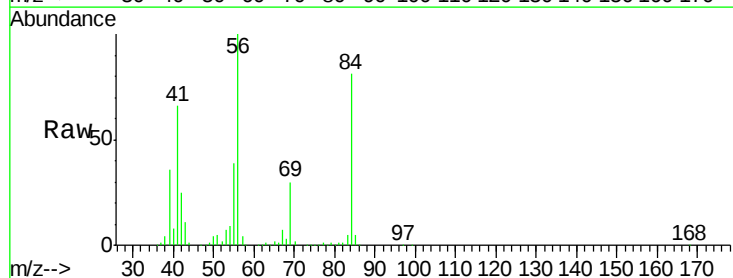


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

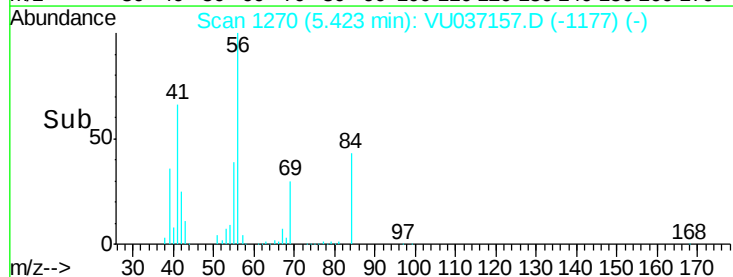
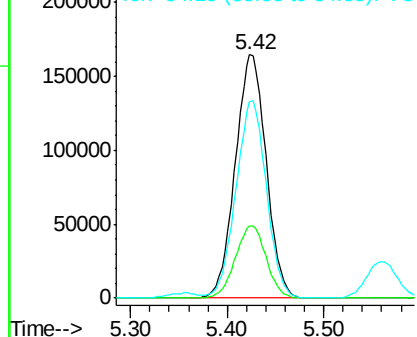


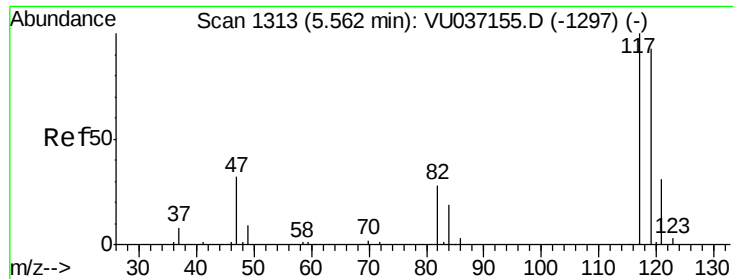
#30
 Cyclohexane
 Concen: 22.303 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU037157.D
 Acq: 10 Mar 2020 17:31

Tgt Ion: 56 Resp: 364916
 Ion Ratio Lower Upper
 56 100
 69 29.7 25.0 37.6
 84 80.1 65.4 98.2



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0

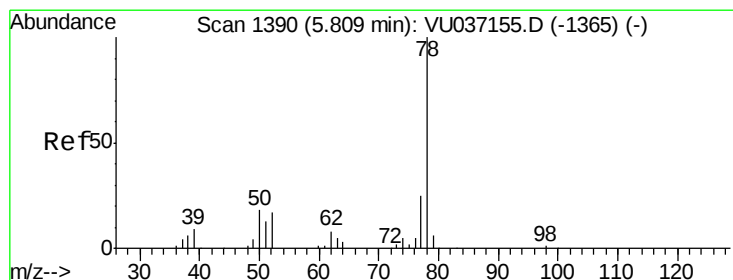
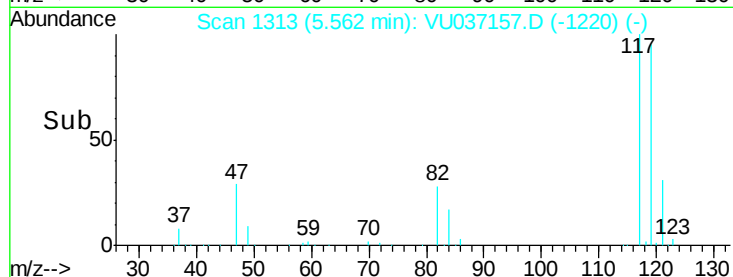
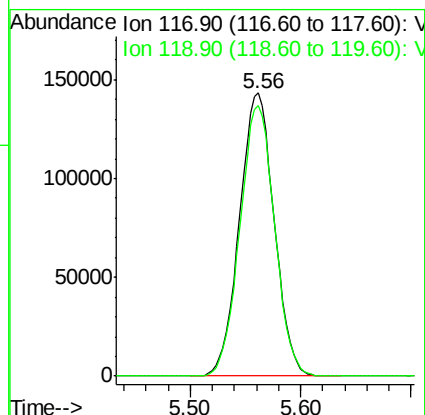
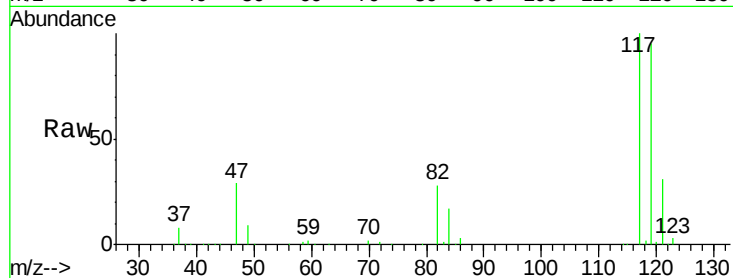




#31
Carbon tetrachloride
Concen: 24.265 ug/L
RT: 5.56 min Scan# 1313
Delta R.T. 0.00 min
Lab File: VU037157.D
Acq: 10 Mar 2020 17:31

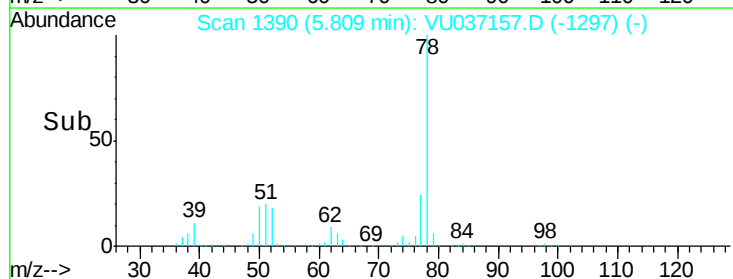
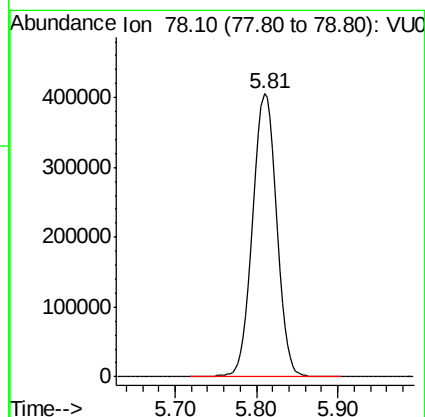
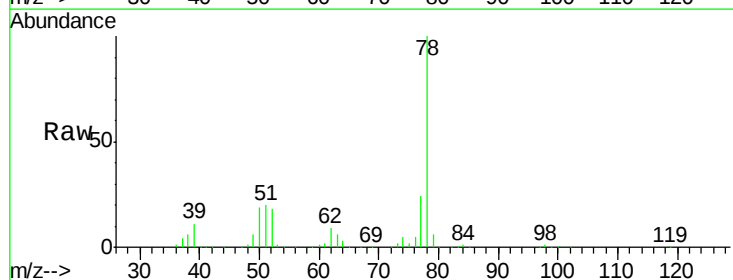
Instrument :
MSVOA_U
ClientSampleId :
VSTD02003

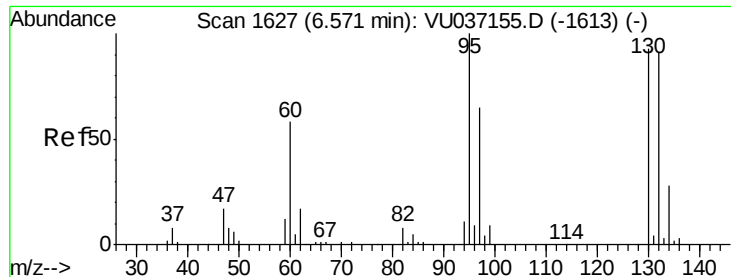
Tgt Ion:117 Resp: 311039
Ion Ratio Lower Upper
117 100
119 95.9 78.2 117.4



#33
Benzene
Concen: 19.298 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU037157.D
Acq: 10 Mar 2020 17:31

Tgt Ion: 78 Resp: 820017

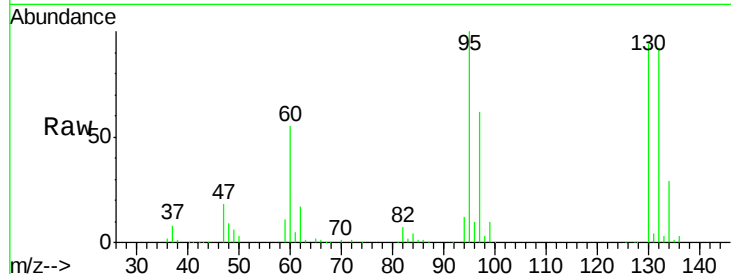




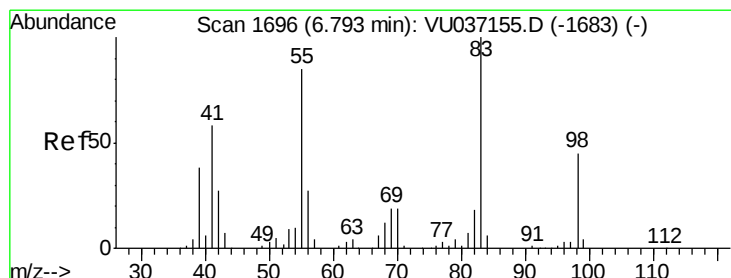
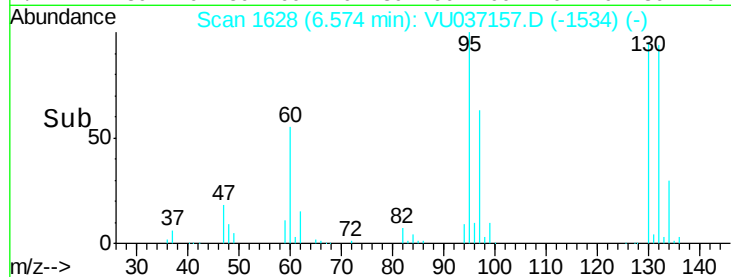
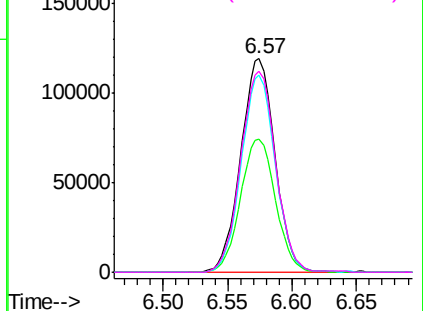
#34
 Trichloroethene
 Concen: 20.181 ug/L
 RT: 6.57 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: VU037157.D
 Acq: 10 Mar 2020 17:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02003

Tgt Ion: 95 Resp: 220304
 Ion Ratio Lower Upper
 95 100
 97 62.2 45.4 84.4
 132 92.3 63.7 118.3
 130 93.8 64.8 120.4

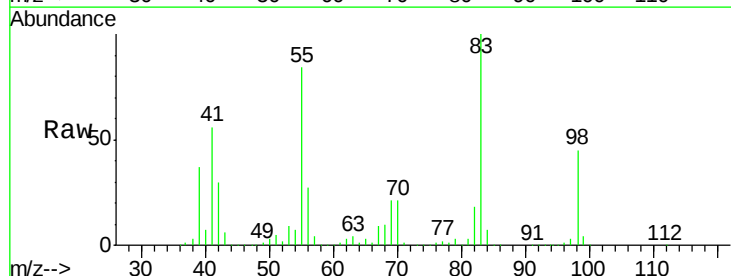


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

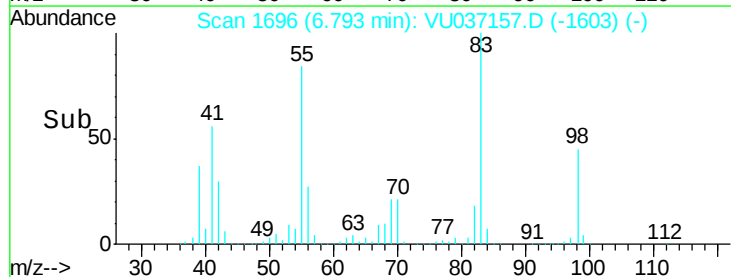
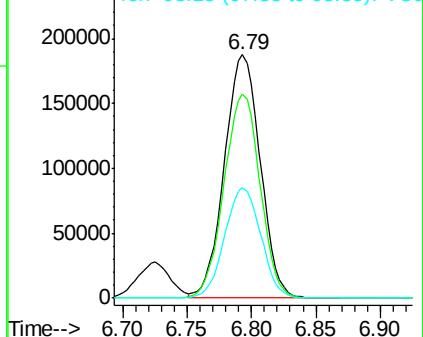


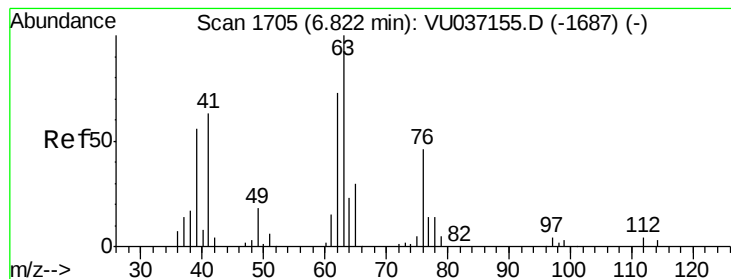
#35
 Methylcyclohexane
 Concen: 21.008 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU037157.D
 Acq: 10 Mar 2020 17:31

Tgt Ion: 83 Resp: 361369
 Ion Ratio Lower Upper
 83 100
 55 84.3 68.1 102.1
 98 45.8 37.0 55.4



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 18.812 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU037157.D

Acq: 10 Mar 2020 17:31

Instrument :

MSVOA_U

ClientSampleId :

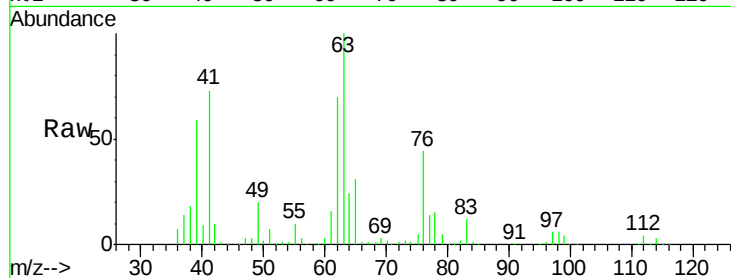
VSTD02003

Tgt Ion: 63 Resp: 216177

Ion Ratio Lower Upper

63 100

112 3.8 3.0 4.6



Abundance Ion 63.10 (62.80 to 63.80): VU037157.D (-1612) (-)

Ion 112.10 (111.80 to 112.80): VU037157.D (-1612) (-)

6.82

120000

100000

80000

60000

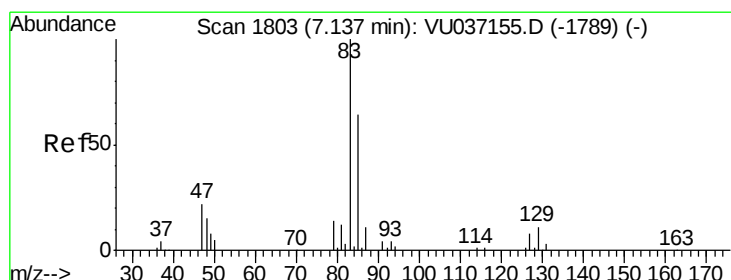
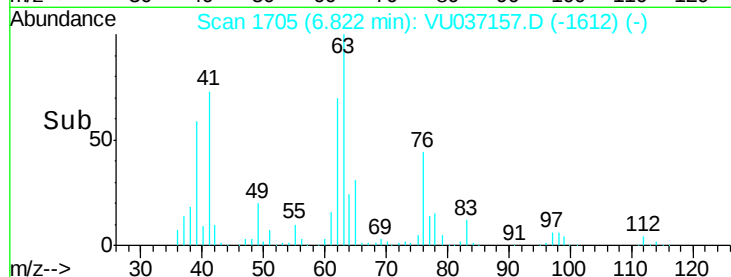
40000

20000

0

6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 20.667 ug/L

RT: 7.14 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VU037157.D

Acq: 10 Mar 2020 17:31

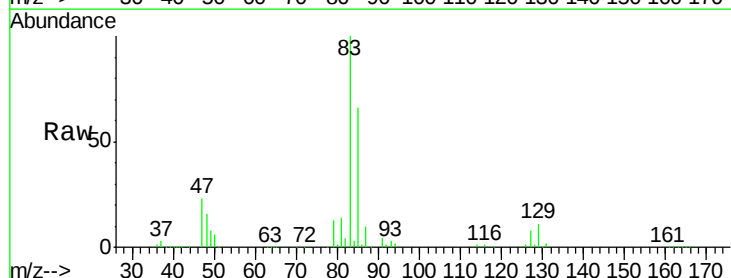
Tgt Ion: 83 Resp: 288946

Ion Ratio Lower Upper

83 100

85 66.1 45.1 83.7

127 8.3 6.7 10.1



Abundance Ion 82.95 (82.65 to 83.65): VU037157.D (-1710) (-)

Ion 85.00 (84.70 to 85.70): VU037157.D (-1710) (-)

Ion 126.90 (126.60 to 127.60): VU037157.D (-1710) (-)

7.14

200000

150000

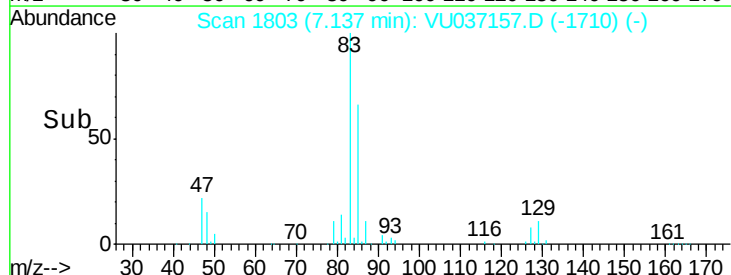
100000

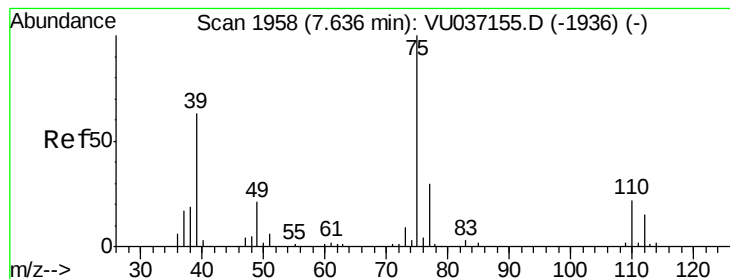
50000

0

7.05 7.10 7.15 7.20

Time-->





#39

cis-1,3-Dichloropropene

Concen: 20.399 ug/L

RT: 7.64 min Scan# 1958

Delta R.T. 0.00 min

Lab File: VU037157.D

Acq: 10 Mar 2020 17:31

Instrument :

MSVOA_U

ClientSampleId :

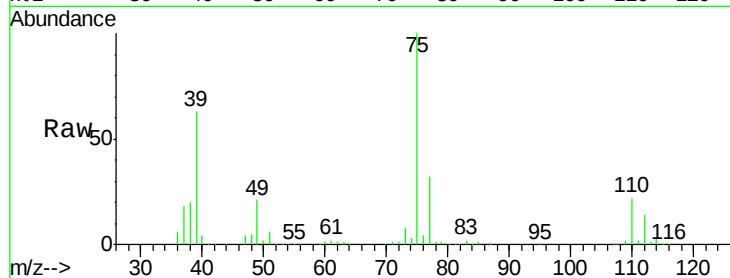
VSTD02003

Tgt Ion: 75 Resp: 337252

Ion Ratio Lower Upper

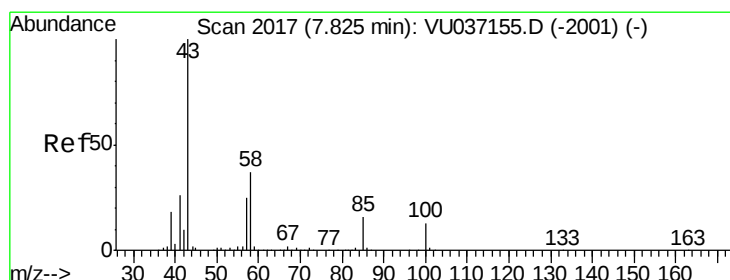
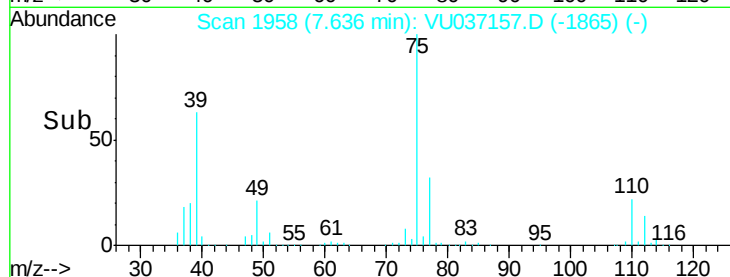
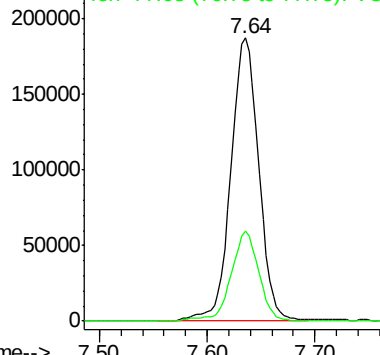
75 100

77 31.7 21.1 39.1



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#40

4-Methyl-2-pentanone

Concen: 213.289 ug/L

RT: 7.83 min Scan# 2017

Delta R.T. 0.00 min

Lab File: VU037157.D

Acq: 10 Mar 2020 17:31

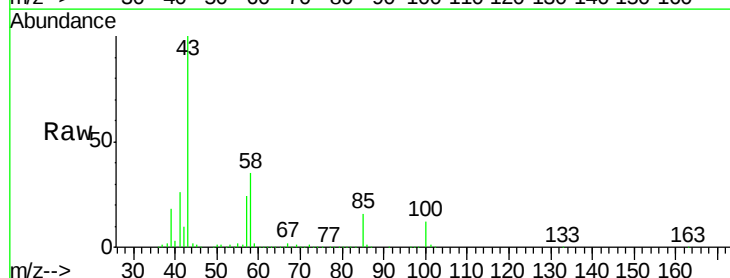
Tgt Ion: 43 Resp: 1604419

Ion Ratio Lower Upper

43 100

58 35.7 28.6 42.8

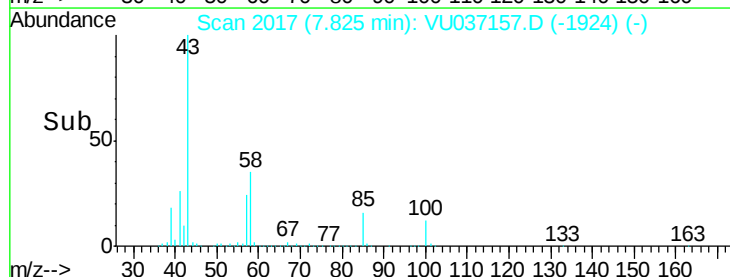
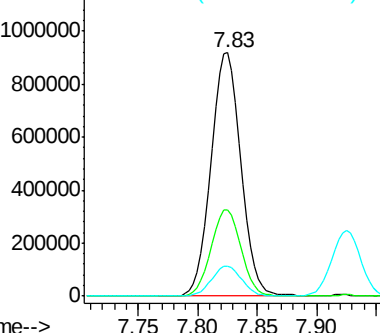
100 12.4 10.2 15.2

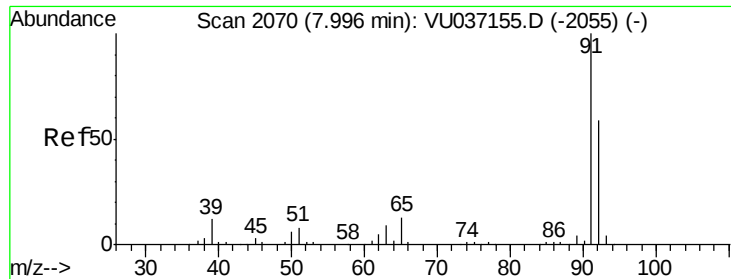


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 100.15 (99.85 to 100.85): VU0





#42

Toluene

Concen: 19.943 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037157.D

Acq: 10 Mar 2020 17:31

Instrument :

MSVOA_U

ClientSampleId :

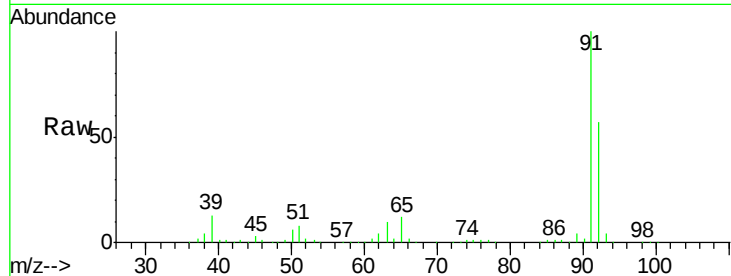
VSTD02003

Tgt Ion: 91 Resp: 913044

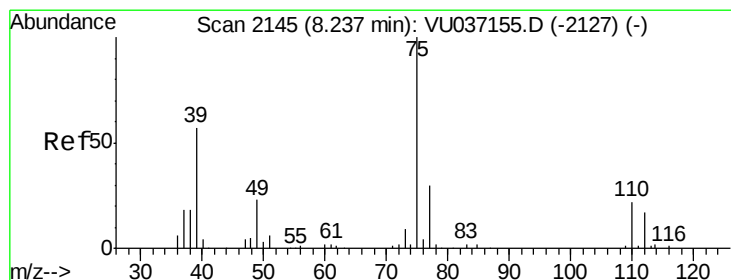
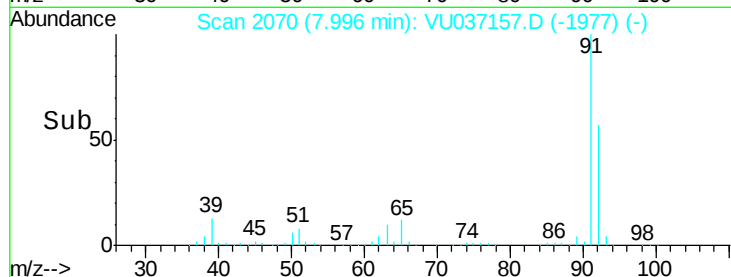
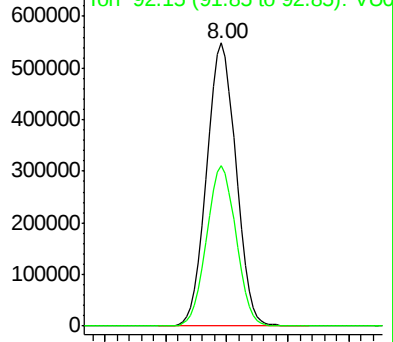
Ion Ratio Lower Upper

91 100

92 56.8 41.0 76.2



Abundance Ion 91.15 (90.85 to 91.85): VU037155.D (-2055) (-)



#44

trans-1,3-Dichloropropene

Concen: 21.803 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU037157.D

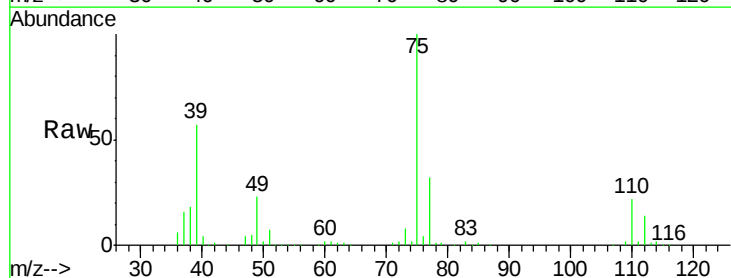
Acq: 10 Mar 2020 17:31

Tgt Ion: 75 Resp: 285845

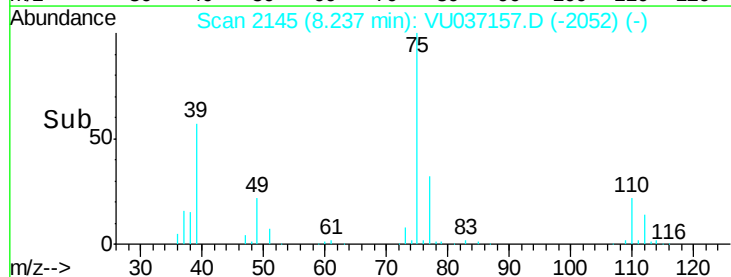
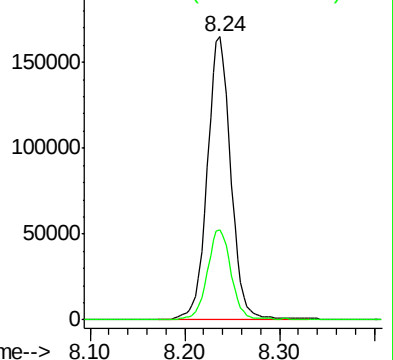
Ion Ratio Lower Upper

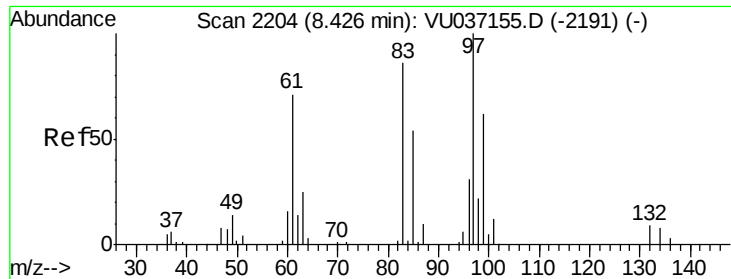
75 100

77 31.8 21.2 39.4



Abundance Ion 75.05 (74.75 to 75.75): VU037155.D (-2127) (-)

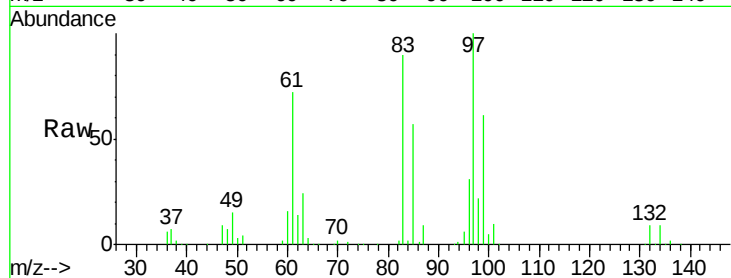




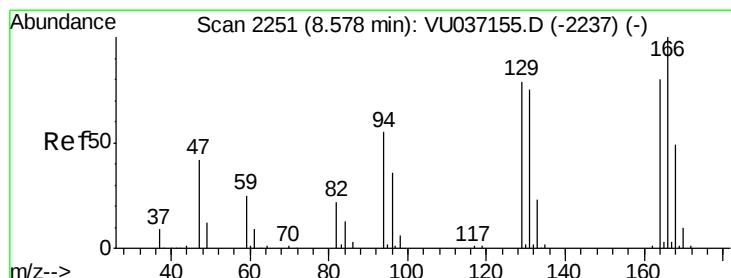
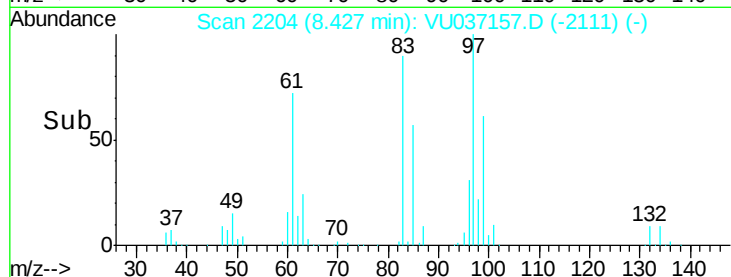
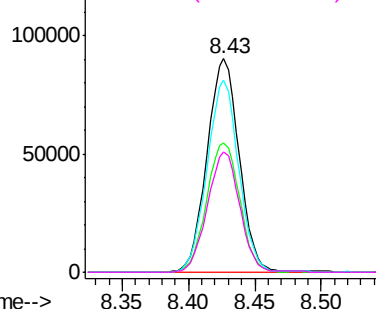
#45
 1,1,2-Trichloroethane
 Concen: 18.929 ug/L
 RT: 8.43 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VU037157.D
 Acq: 10 Mar 2020 17:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02003

Tgt Ion:	97	Resp:	152318
Ion	Ratio	Lower	Upper
97	100		
99	60.8	43.6	81.0
83	90.0	60.1	111.7
85	56.6	37.8	70.2

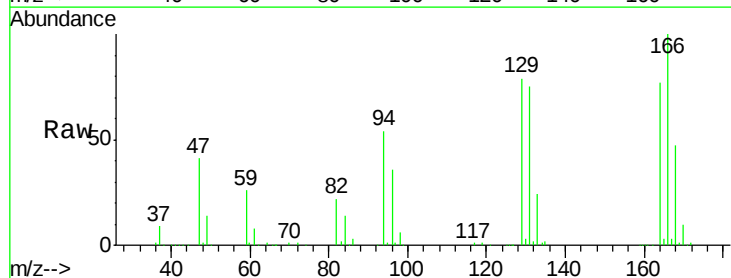


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

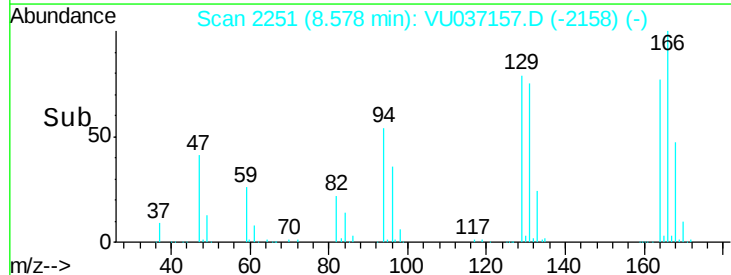
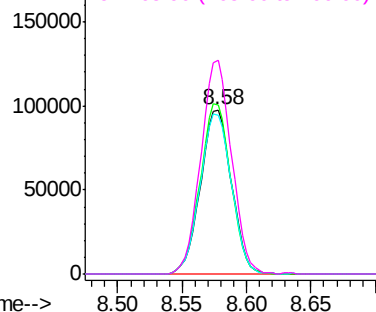


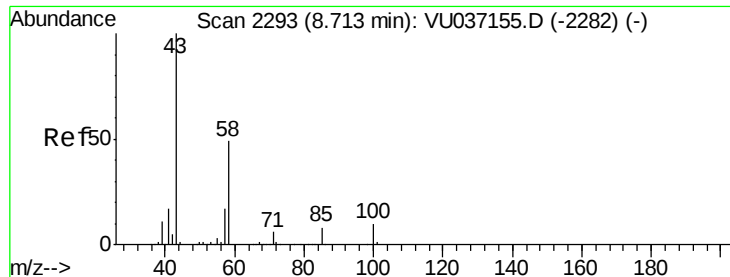
#47
 Tetrachloroethene
 Concen: 21.290 ug/L
 RT: 8.58 min Scan# 2251
 Delta R.T. 0.00 min
 Lab File: VU037157.D
 Acq: 10 Mar 2020 17:31

Tgt Ion:	164	Resp:	162814
Ion	Ratio	Lower	Upper
164	100		
129	102.7	69.8	129.6
131	96.8	66.1	122.8
166	129.9	88.1	163.5



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V



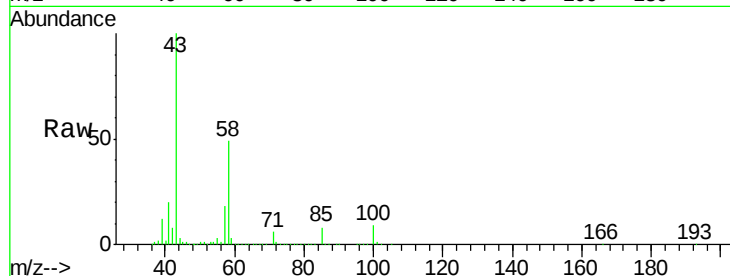


#48
2-Hexanone
Concen: 187.632 ug/L
RT: 8.71 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VU037157.D
Acq: 10 Mar 2020 17:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD02003

Tgt Ion: 43 Resp: 1170727

Ion	Ratio	Lower	Upper
43	100		
58	49.5	38.6	58.0
57	17.8	13.6	20.4
100	9.6	7.4	11.2

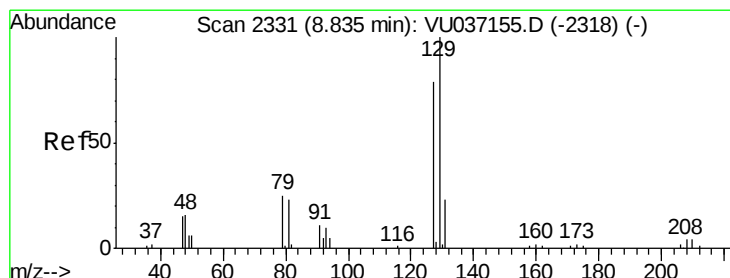
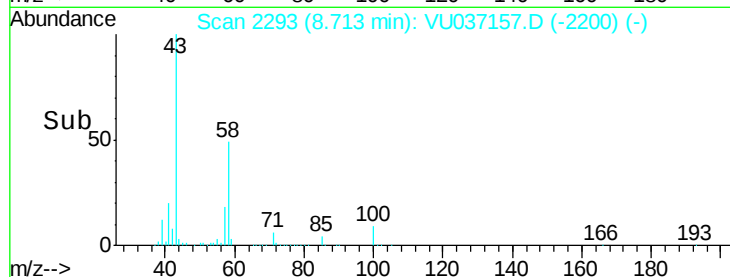
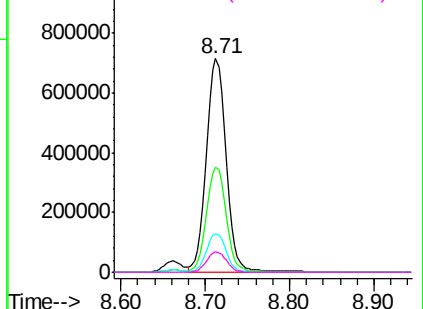


Abundance Ion 43.05 (42.75 to 43.75): VU037157.D (-2282) (-)

Ion 58.05 (57.75 to 58.75): VU037157.D (-2282) (-)

Ion 57.20 (56.90 to 57.90): VU037157.D (-2282) (-)

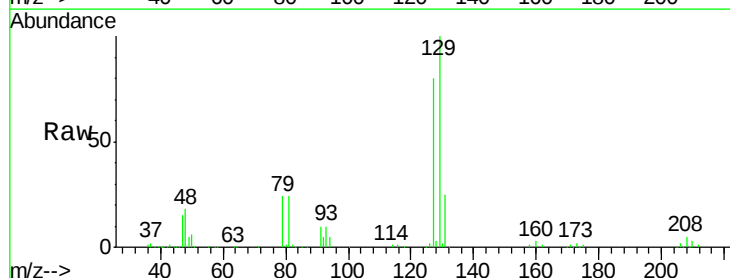
Ion 100.15 (99.85 to 100.85): VU037157.D (-2282) (-)



#49
Dibromochloromethane
Concen: 22.504 ug/L
RT: 8.83 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU037157.D
Acq: 10 Mar 2020 17:31

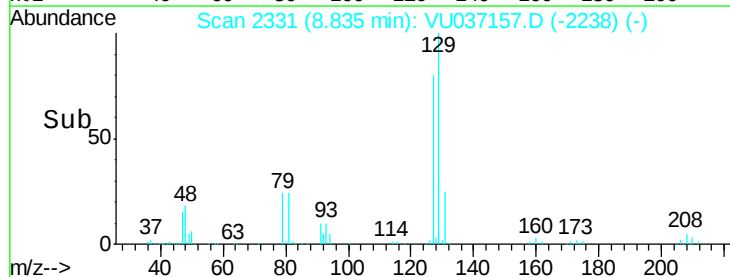
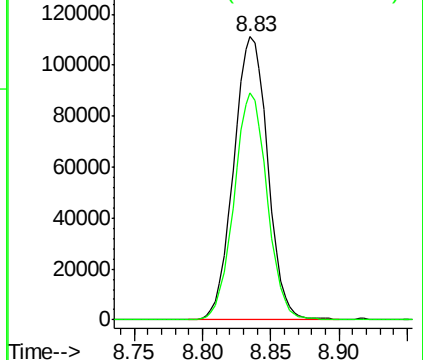
Tgt Ion: 129 Resp: 193236

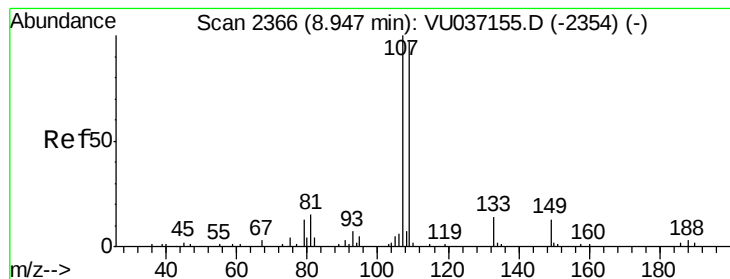
Ion	Ratio	Lower	Upper
129	100		
127	80.0	54.9	102.1



Abundance Ion 128.95 (128.65 to 129.65): VU037157.D (-2331) (-)

Ion 126.90 (126.60 to 127.60): VU037157.D (-2331) (-)





#50

1,2-Dibromoethane

Concen: 20.838 ug/L

RT: 8.95 min Scan# 2366

Delta R.T. 0.00 min

Lab File: VU037157.D

Acq: 10 Mar 2020 17:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD02003

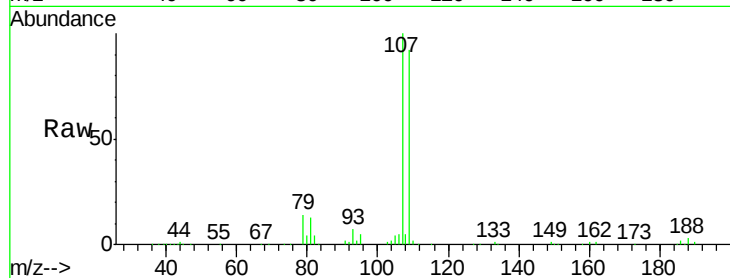
Tgt Ion:107 Resp: 153631

Ion Ratio Lower Upper

107 100

109 92.4 68.2 126.6

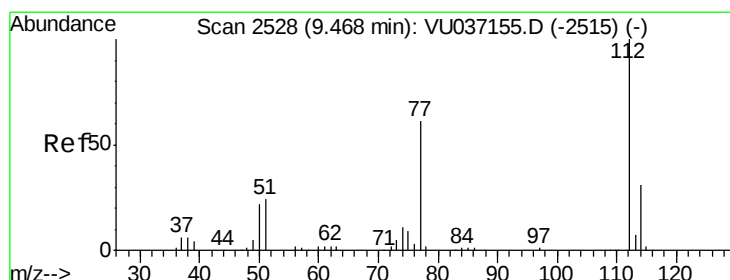
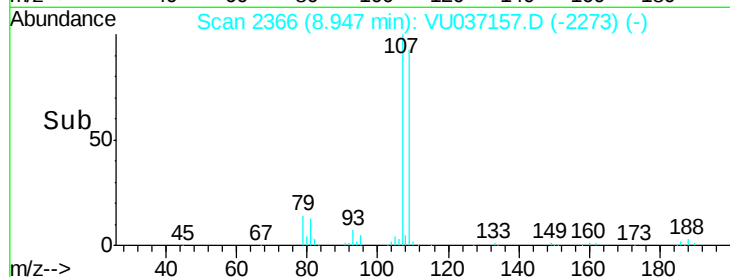
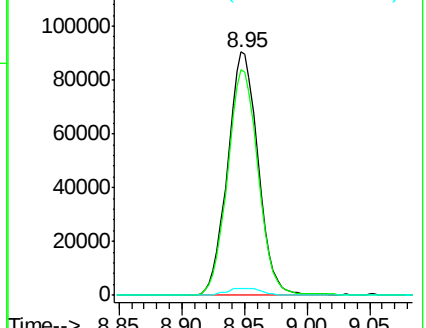
188 3.0 2.0 3.0



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: 20.130 ug/L

RT: 9.47 min Scan# 2528

Delta R.T. 0.00 min

Lab File: VU037157.D

Acq: 10 Mar 2020 17:31

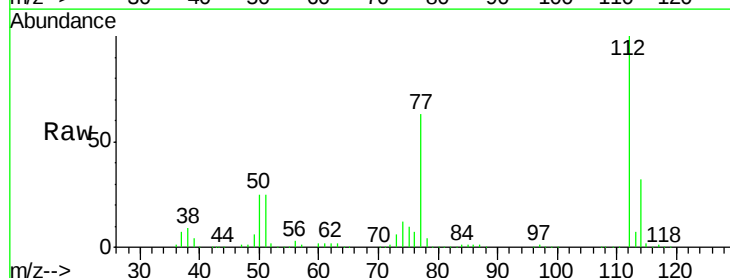
Tgt Ion:112 Resp: 568216

Ion Ratio Lower Upper

112 100

114 31.5 22.0 40.8

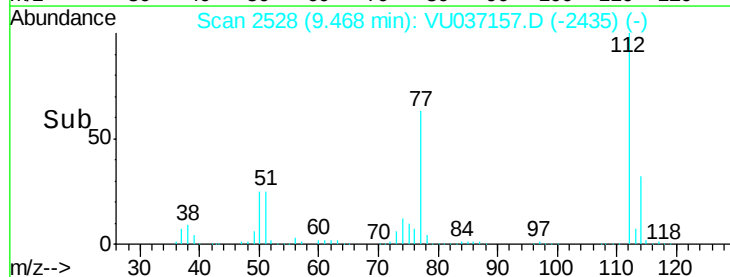
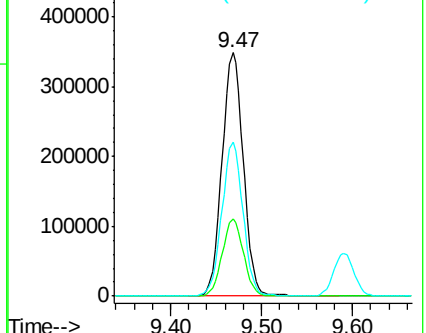
77 63.3 49.4 74.2

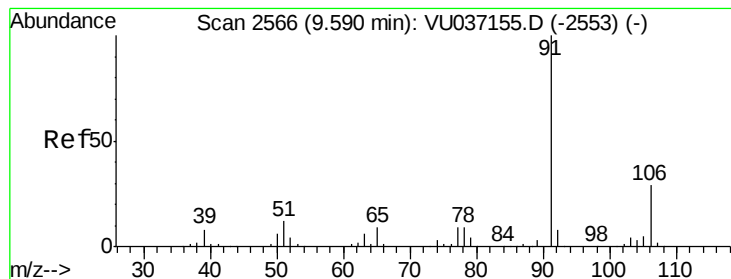


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 20.619 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU037157.D

Acq: 10 Mar 2020 17:31

Instrument :

MSVOA_U

ClientSampleId :

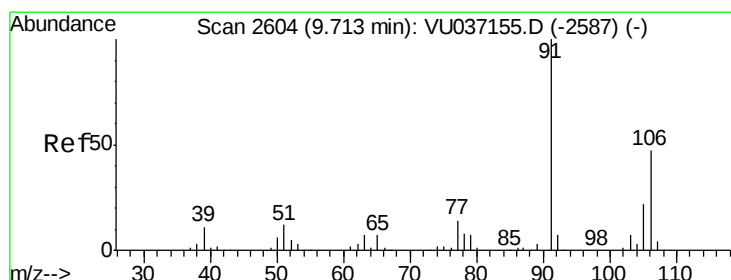
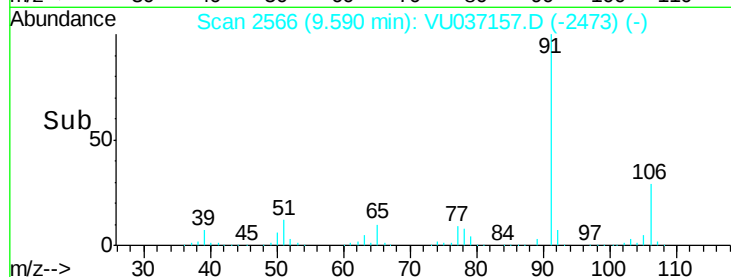
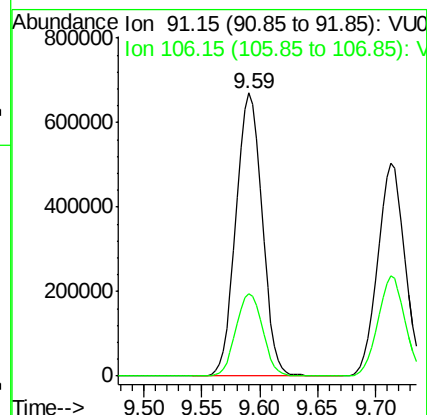
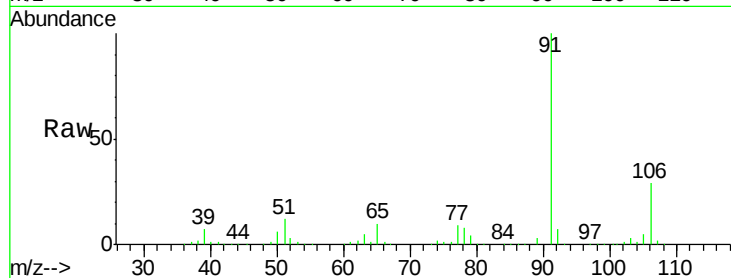
VSTD02003

Tgt Ion: 91 Resp: 1051438

Ion Ratio Lower Upper

91 100

106 29.2 20.4 37.8



#53

m,p-Xylene

Concen: 20.650 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU037157.D

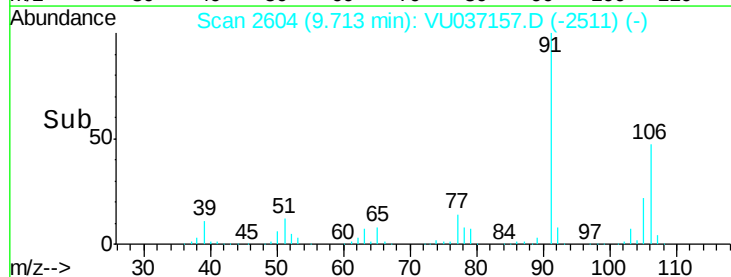
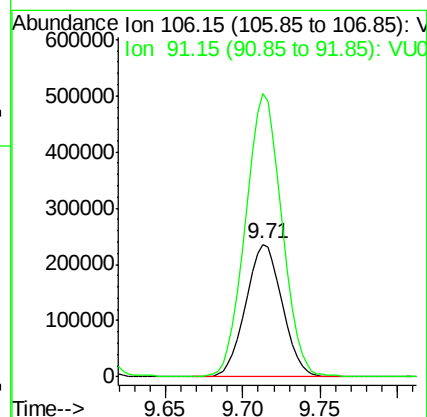
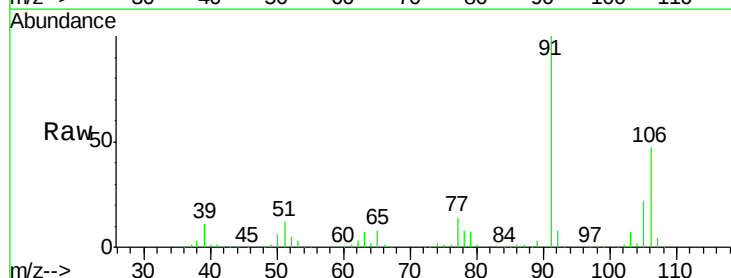
Acq: 10 Mar 2020 17:31

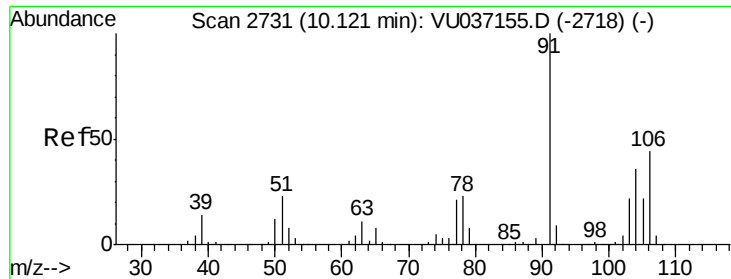
Tgt Ion: 106 Resp: 386279

Ion Ratio Lower Upper

106 100

91 212.9 150.4 279.4

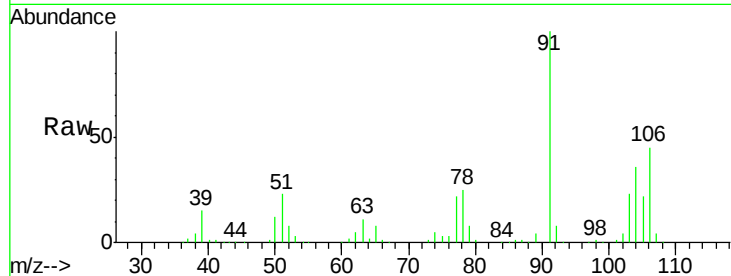




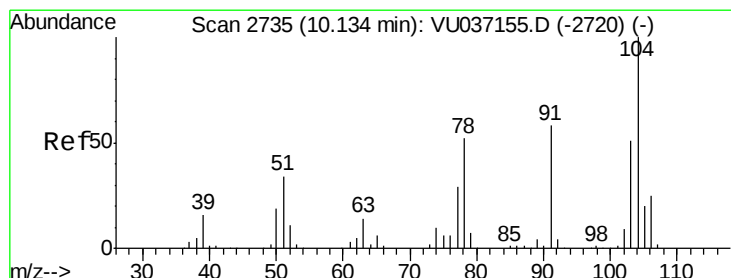
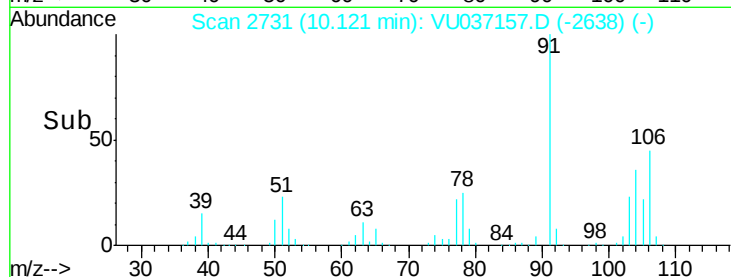
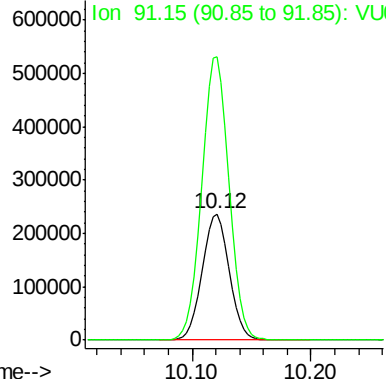
#54
o-Xylene
Concen: 20.446 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. 0.00 min
Lab File: VU037157.D
Acq: 10 Mar 2020 17:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD02003

Tgt Ion:106 Resp: 372445
Ion Ratio Lower Upper
106 100
91 224.6 160.6 298.2

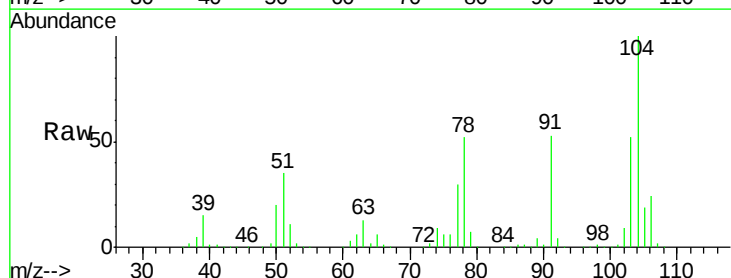


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

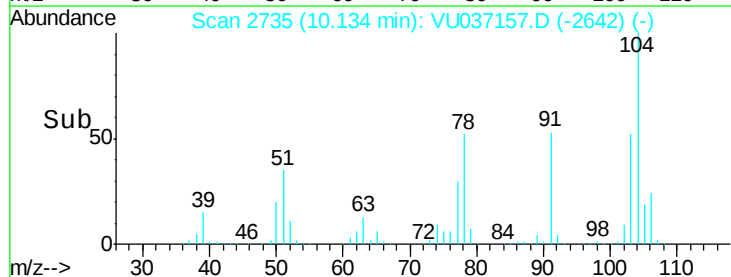
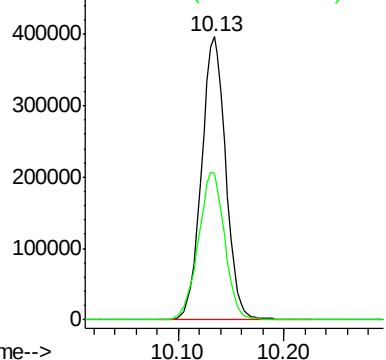


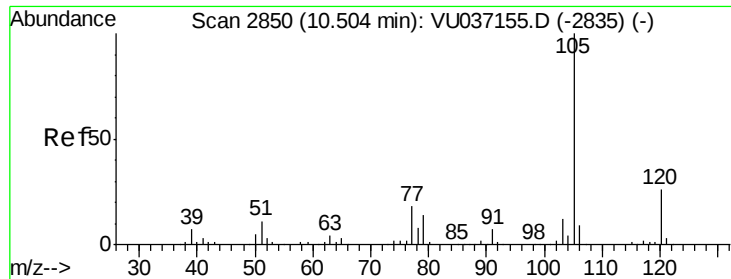
#55
Styrene
Concen: 20.459 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU037157.D
Acq: 10 Mar 2020 17:31

Tgt Ion:104 Resp: 629236
Ion Ratio Lower Upper
104 100
78 51.7 36.2 67.2



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





#56

Isopropylbenzene

Concen: 20.890 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VU037157.D

Acq: 10 Mar 2020 17:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD02003

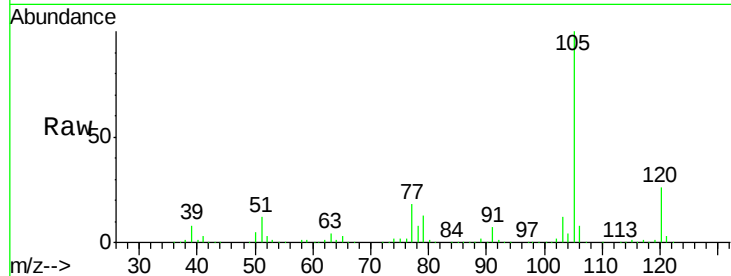
Tgt Ion:105 Resp: 1023790

Ion Ratio Lower Upper

105 100

120 25.4 20.5 30.7

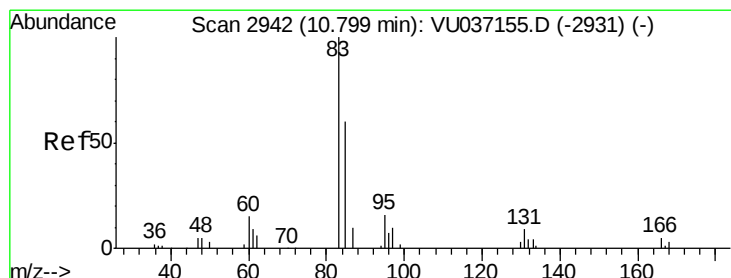
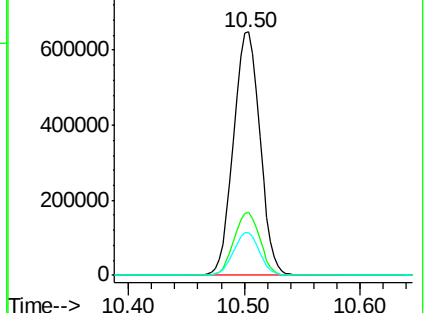
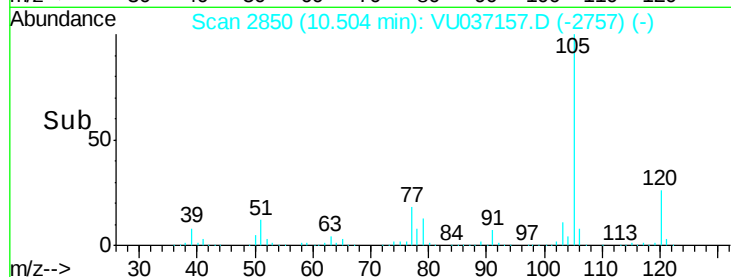
77 17.2 14.2 21.4



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: 19.094 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU037157.D

Acq: 10 Mar 2020 17:31

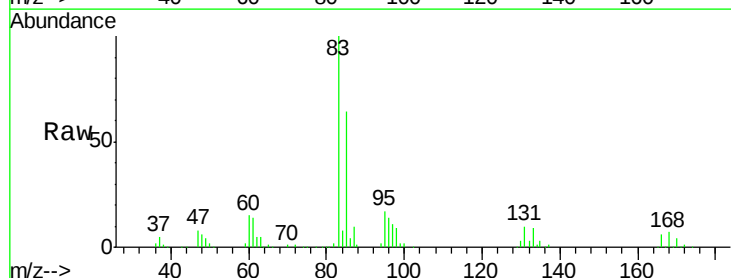
Tgt Ion: 83 Resp: 199650

Ion Ratio Lower Upper

83 100

85 64.4 43.0 80.0

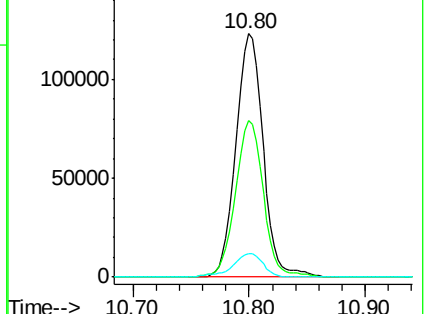
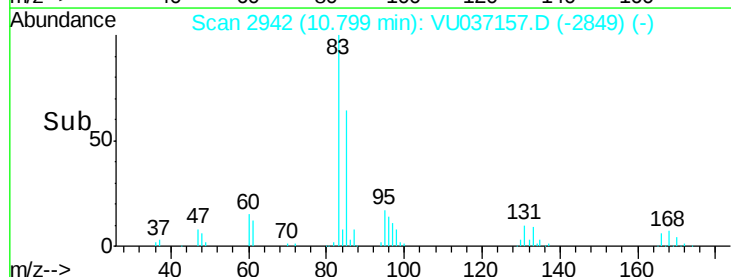
131 9.8 8.2 12.2

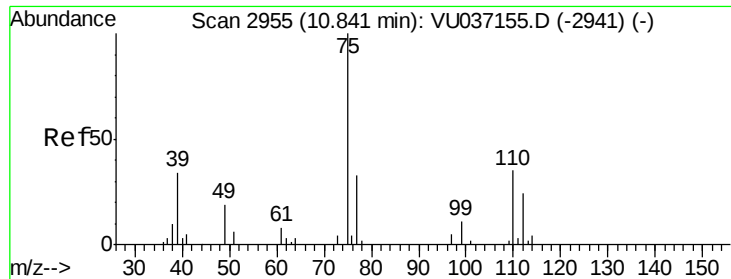


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 19.367 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU037157.D

Acq: 10 Mar 2020 17:31

Instrument :

MSVOA_U

ClientSampleId :

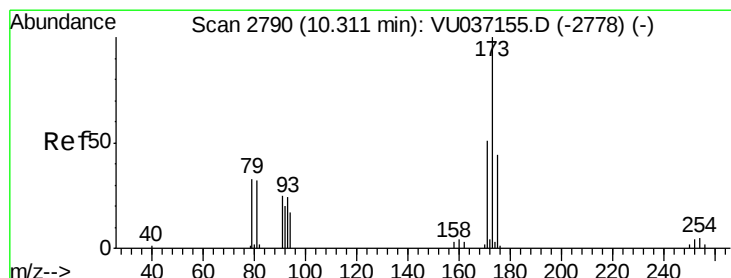
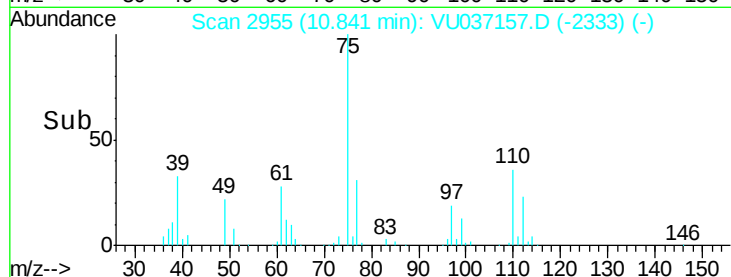
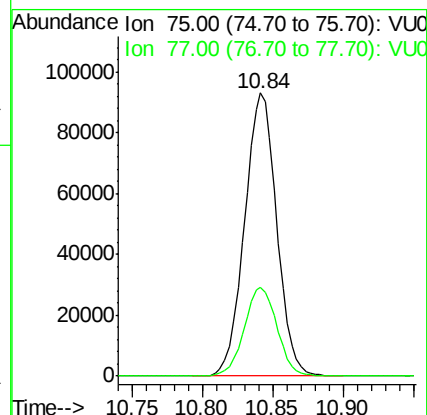
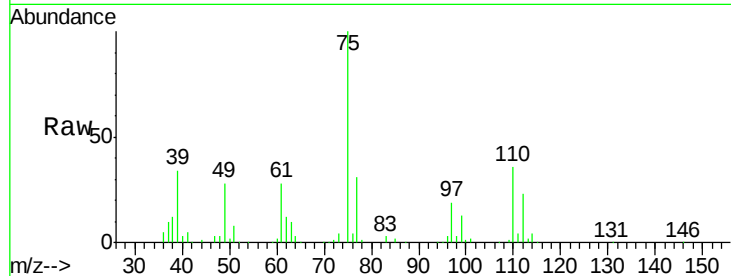
VSTD02003

Tgt Ion: 75 Resp: 148229

Ion Ratio Lower Upper

75 100

77 32.1 27.4 41.0



#61

Bromoform

Concen: 22.421 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU037157.D

Acq: 10 Mar 2020 17:31

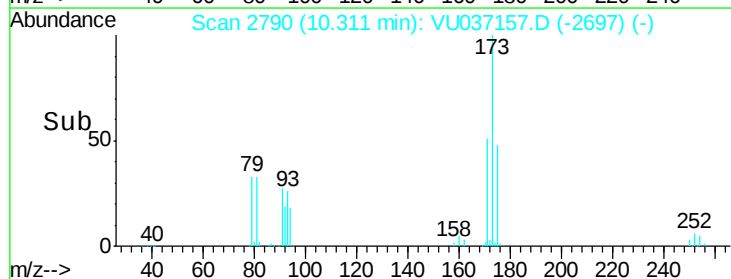
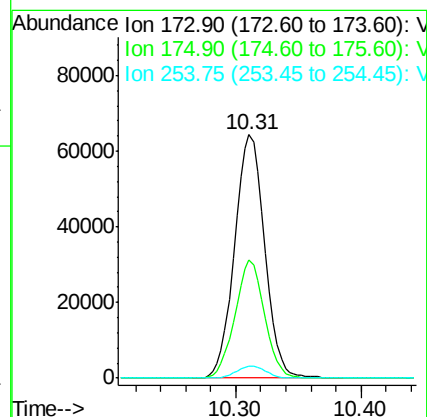
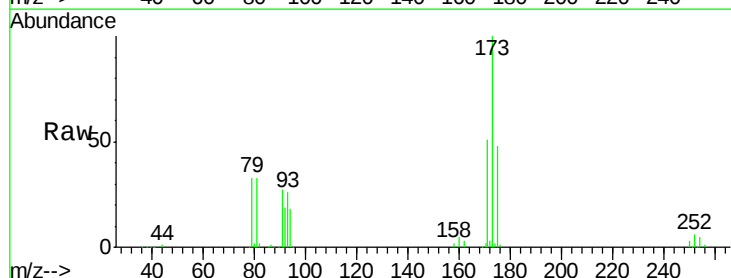
Tgt Ion: 173 Resp: 106930

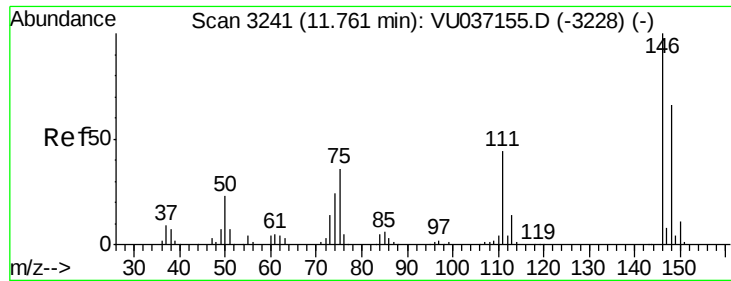
Ion Ratio Lower Upper

173 100

175 47.5 37.4 56.2

254 4.8 3.5 5.3





#62

1,3-Dichlorobenzene

Concen: 19.469 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VU037157.D

Acq: 10 Mar 2020 17:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD02003

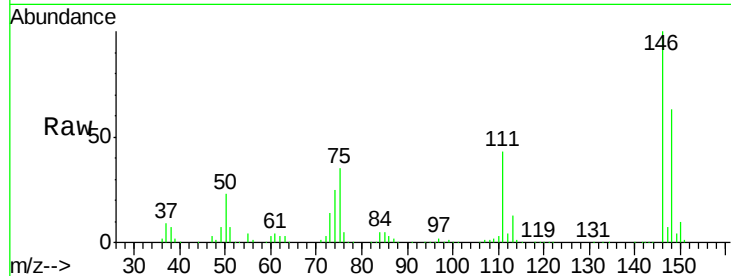
Tgt Ion:146 Resp: 451271

Ion Ratio Lower Upper

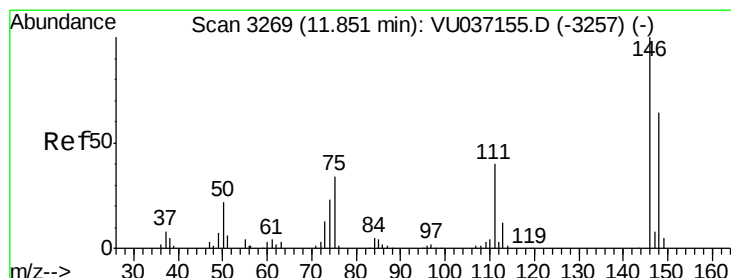
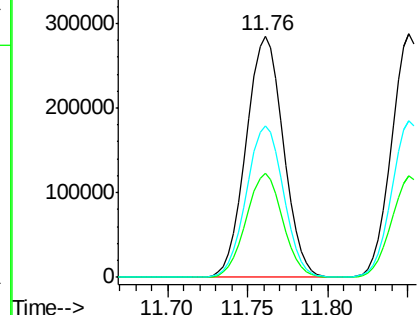
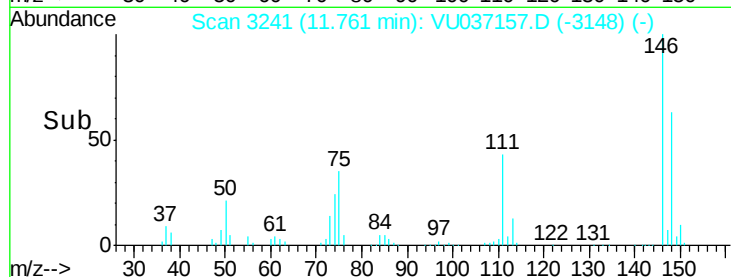
146 100

111 43.1 30.6 56.8

148 62.9 46.2 85.8



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



#63

1,4-Dichlorobenzene

Concen: 19.567 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU037157.D

Acq: 10 Mar 2020 17:31

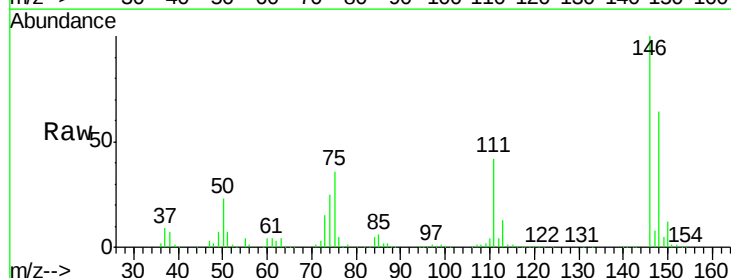
Tgt Ion:146 Resp: 447209

Ion Ratio Lower Upper

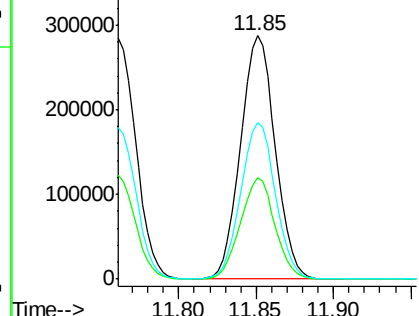
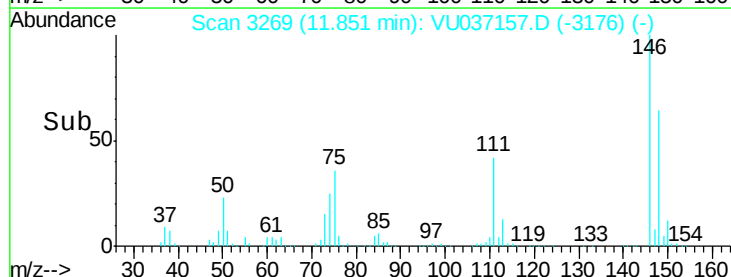
146 100

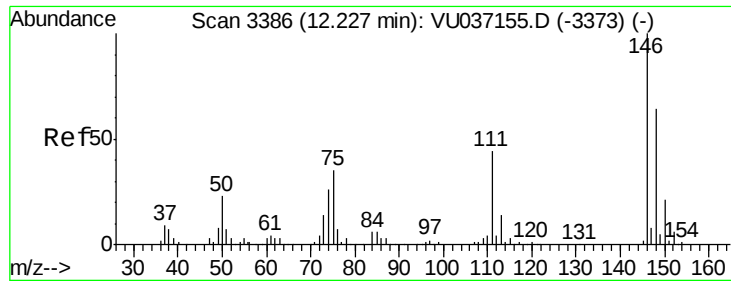
111 41.5 28.4 52.8

148 64.5 44.9 83.5



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: 19.049 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU037157.D

Acq: 10 Mar 2020 17:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD02003

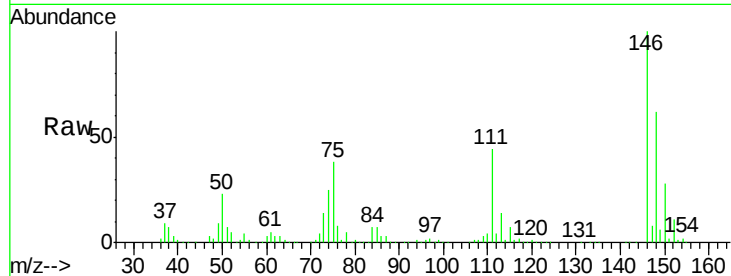
Tgt Ion:146 Resp: 423011

Ion Ratio Lower Upper

146 100

111 43.5 35.5 53.3

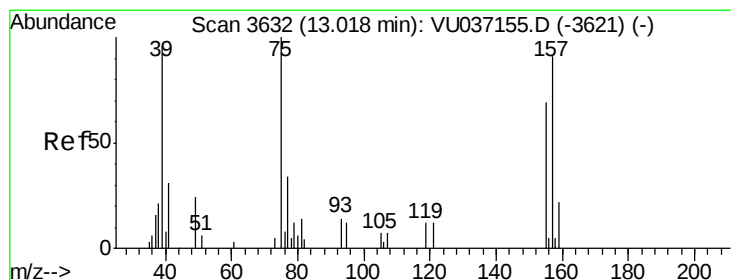
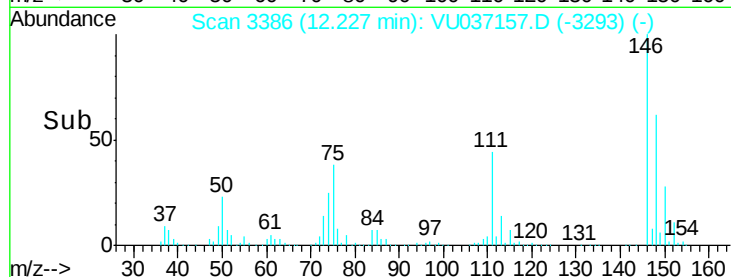
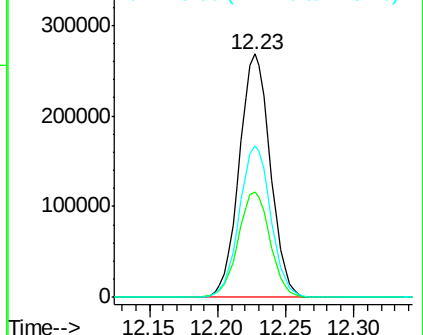
148 62.4 51.4 77.2



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



#66

1,2-Dibromo-3-chloropropane

Concen: 21.509 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. 0.00 min

Lab File: VU037157.D

Acq: 10 Mar 2020 17:31

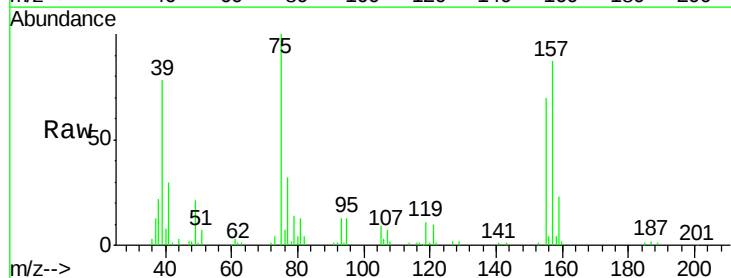
Tgt Ion: 75 Resp: 35467

Ion Ratio Lower Upper

75 100

155 69.9 55.5 83.3

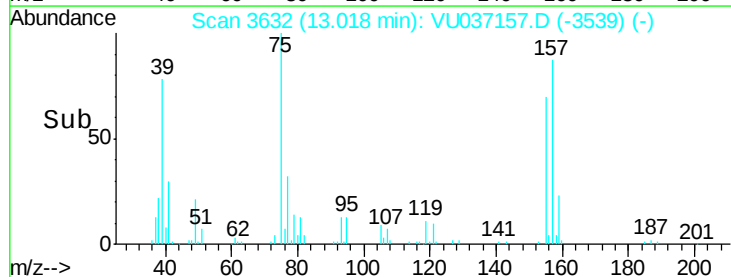
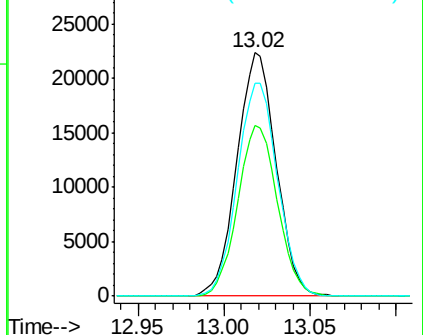
157 87.4 73.1 109.7

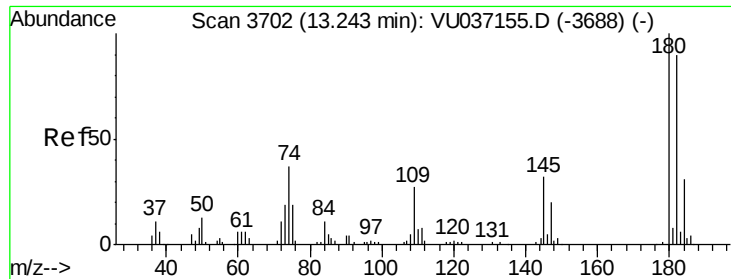


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

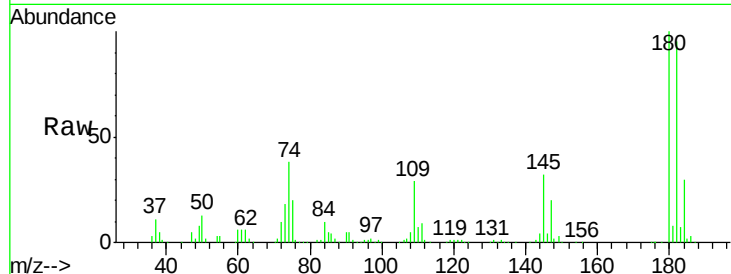




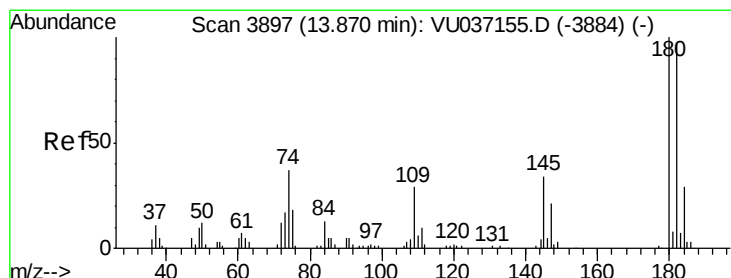
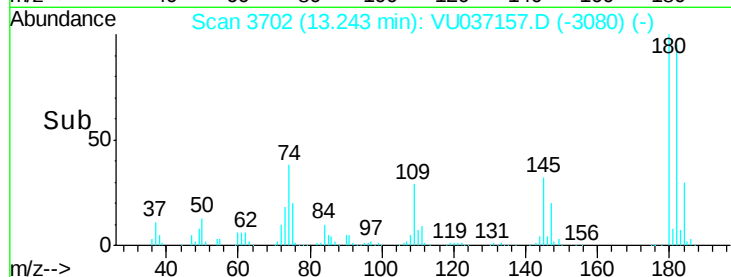
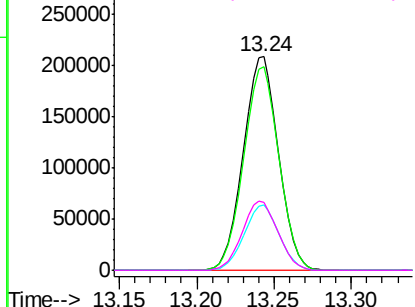
#67
 1,3,5-Trichlorobenzene
 Concen: 20.358 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.00 min
 Lab File: VU037157.D
 Acq: 10 Mar 2020 17:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02003

Tgt Ion:180 Resp: 329334
 Ion Ratio Lower Upper
 180 100
 182 95.4 73.6 110.4
 184 30.3 24.1 36.1
 145 32.7 26.3 39.5

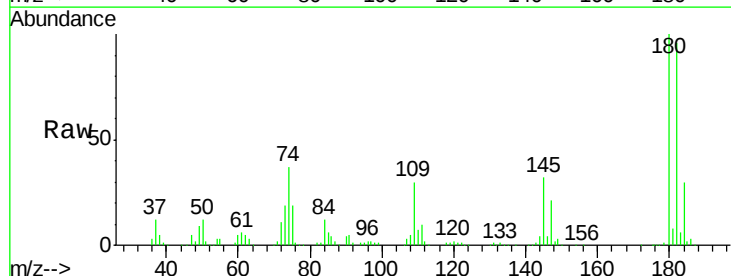


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

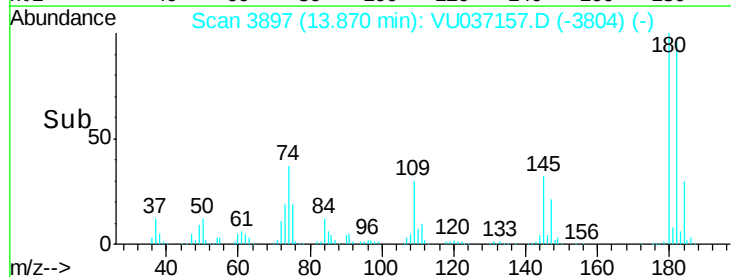
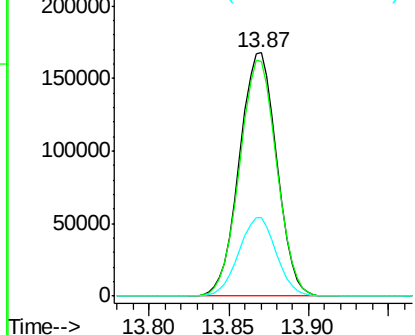


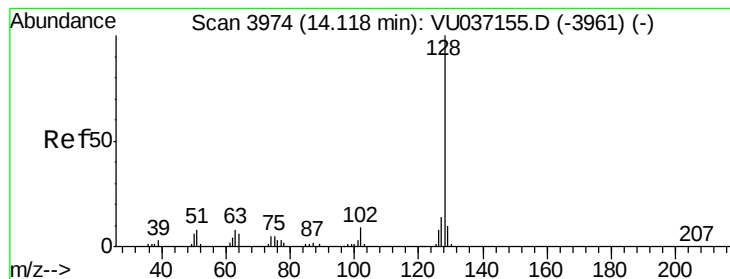
#68
 1,2,4-trichlorobenzene
 Concen: 22.417 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. 0.00 min
 Lab File: VU037157.D
 Acq: 10 Mar 2020 17:31

Tgt Ion:180 Resp: 266948
 Ion Ratio Lower Upper
 180 100
 182 96.5 76.7 115.1
 145 32.3 26.6 39.8



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: 22.889 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. 0.00 min

Lab File: VU037157.D

Acq: 10 Mar 2020 17:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD02003

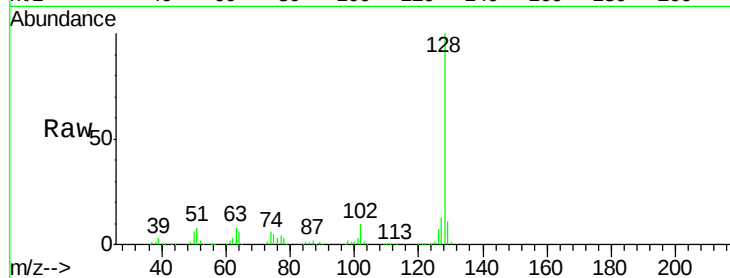
Tgt Ion:128 Resp: 470985

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

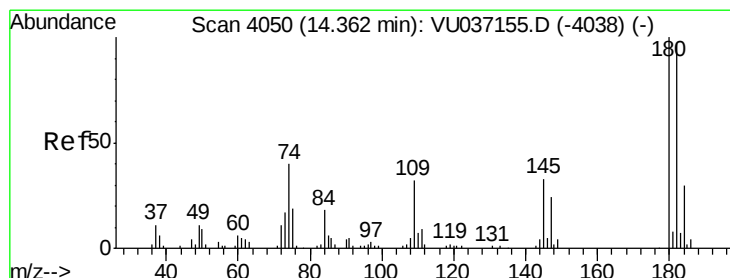
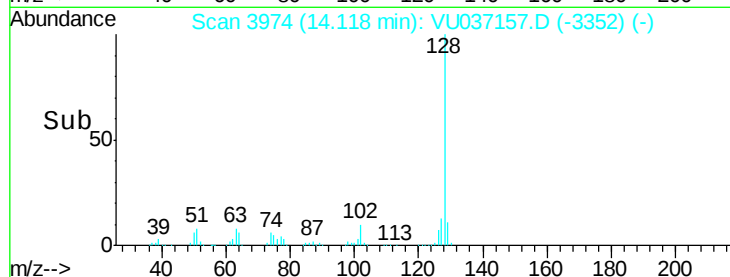
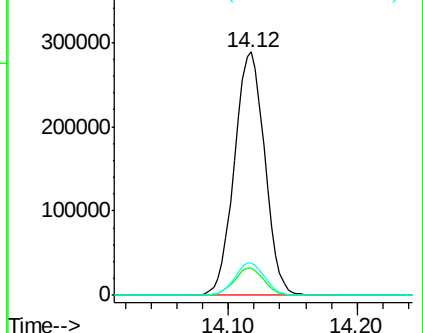
127 13.3 10.6 16.0



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: 22.736 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU037157.D

Acq: 10 Mar 2020 17:31

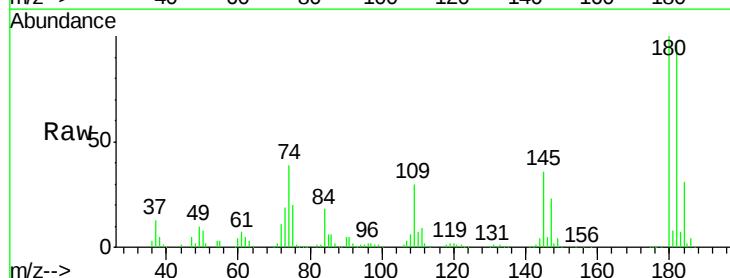
Tgt Ion:180 Resp: 244830

Ion Ratio Lower Upper

180 100

182 95.8 77.0 115.6

145 35.5 28.2 42.4



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

