

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080320\
 Data File : VU039736.D
 Acq On : 03 Aug 2020 13:39
 Operator : SY/MD
 Sample : VSTD00102
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00102

Quant Time: Aug 03 17:31:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR080320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Aug 03 17:28:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	75412	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	74931	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	38826	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	4067	1.11	ug/L	0.00
7) Chloroethane-d5	1.92	69	4109	1.06	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	7384	0.93	ug/L	0.00
20) 2-Butanone-d5	4.65	46	17448	10.75	ug/L	0.00
24) Chloroform-d	5.08	84	10678	1.18	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	6663	1.13	ug/L	0.00
32) Benzene-d6	5.74	84	17723	0.97	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	6475	1.08	ug/L	0.00
41) Toluene-d8	7.90	98	15710	0.92	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	2265	0.88	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	11640	9.14	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	6204	1.12	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	6966	1.00	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	6285	1.557 ug/L	96
3) Chloromethane	1.53	50	7142	1.632 ug/L	94
5) Vinyl chloride	1.61	62	6273	1.376 ug/L	99
6) Bromomethane	1.87	94	4277	1.457 ug/L	89
8) Chloroethane	1.94	64	4719	1.288 ug/L	91
9) Trichlorofluoromethane	2.15	101	9796	1.084 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	5154	1.275 ug/L	98
12) 1,1-Dichloroethene	2.59	96	4574	1.245 ug/L	94
13) Acetone	2.65	43	11623	13.076 ug/L	95
14) Carbon disulfide	2.81	76	14180	1.280 ug/L	95
15) Methyl Acetate	2.97	43	2797	1.280 ug/L	96
16) Methylene chloride	3.06	84	8312	1.567 ug/L	95
17) Methyl tert-butyl Ether	3.38	73	11432	1.014 ug/L	95
18) trans-1,2-Dichloroethene	3.37	96	5099	1.253 ug/L	96
19) 1,1-Dichloroethane	3.89	63	9474	1.165 ug/L	95
21) 2-Butanone	4.73	43	17760	11.563 ug/L	98
22) cis-1,2-Dichloroethene	4.69	96	5360	1.139 ug/L	82
23) Bromochloromethane	5.00	128	2469	1.111 ug/L	85
25) Chloroform	5.11	83	10161	1.095 ug/L	88
27) 1,2-Dichloroethane	5.81	62	6773	1.077 ug/L	97
29) 1,1,1-Trichloroethane	5.33	97	8430	1.059 ug/L	96
30) Cyclohexane	5.41	56	8405	1.182 ug/L	92
31) Carbon tetrachloride	5.54	117	7543	1.097 ug/L	98
33) Benzene	5.79	78	21604	1.178 ug/L	100
34) Trichloroethene	6.56	95	5321	1.059 ug/L	95
35) Methylcyclohexane	6.78	83	8109	1.083 ug/L	99
37) 1,2-Dichloropropane	6.80	63	5773	1.149 ug/L	# 86
38) Bromodichloromethane	7.11	83	7145	1.081 ug/L	94
39) cis-1,3-Dichloropropene	7.61	75	6807	0.948 ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	40580	10.316 ug/L	99

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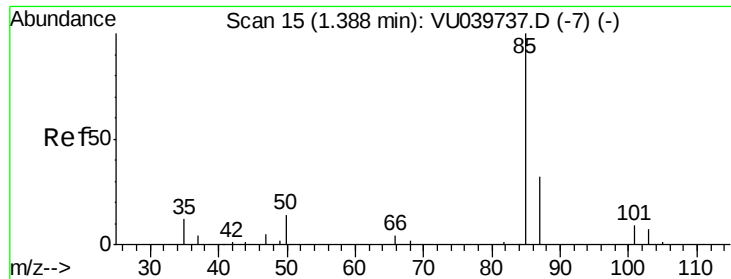
Quant Time: Aug 03 17:31:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR080320WMA.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.98	91	21681	1.094	ug/L	98
44) trans-1,3-Dichloropropene	8.22	75	6016	0.912	ug/L	98
45) 1,1,2-Trichloroethane	8.40	97	4233	1.086	ug/L	95
47) Tetrachloroethene	8.56	164	4502	1.287	ug/L	90
48) 2-Hexanone	8.69	43	28543	9.783	ug/L	99
49) Dibromochloromethane	8.81	129	4966	1.057	ug/L	88
50) 1,2-Dibromoethane	8.93	107	4083	1.072	ug/L #	100
51) Chlorobenzene	9.45	112	15361	1.192	ug/L	96
52) Ethylbenzene	9.57	91	23491	1.042	ug/L	96
53) m,p-Xylene	9.70	106	8857	1.041	ug/L	90
54) o-Xylene	10.10	106	8183	0.984	ug/L	89
55) Styrene	10.11	104	14562	1.049	ug/L	94
56) Isopropylbenzene	10.48	105	23225	1.033	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.78	83	6080	1.217	ug/L	94
59) 1,2,3-Trichloropropane	10.82	75	4286	1.158	ug/L	90
61) Bromoform	10.29	173	2637	0.973	ug/L #	80
62) 1,3-Dichlorobenzene	11.74	146	12259	1.153	ug/L	95
63) 1,4-Dichlorobenzene	11.83	146	12547	1.158	ug/L	97
65) 1,2-Dichlorobenzene	12.20	146	11796	1.147	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	936	1.233	ug/L	95
67) 1,3,5-Trichlorobenzene	13.21	180	8829	1.156	ug/L	96
68) 1,2,4-trichlorobenzene	13.83	180	6877	1.076	ug/L	99
69) Naphthalene	14.08	128	11691	1.066	ug/L	98
70) 1,2,3-Trichlorobenzene	14.32	180	5953	1.033	ug/L	96

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

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#2

Dichlorodifluoromethane

Concen: 1.557 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039736.D

Acq: 03 Aug 2020 13:39

Instrument :

MSVOA_U

ClientSampleId :

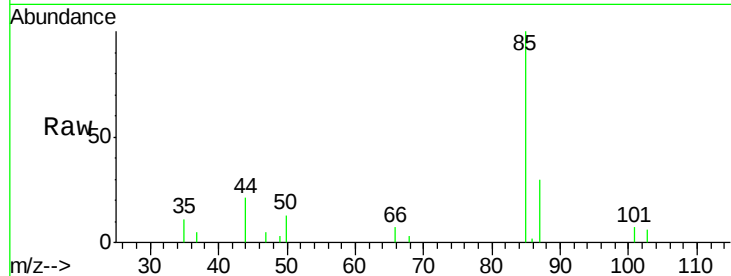
VSTD00102

Tgt Ion: 85 Resp: 6285

Ion Ratio Lower Upper

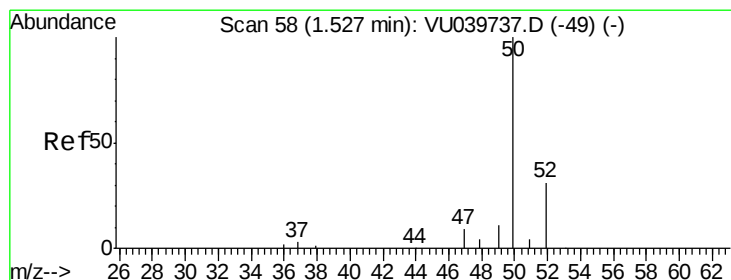
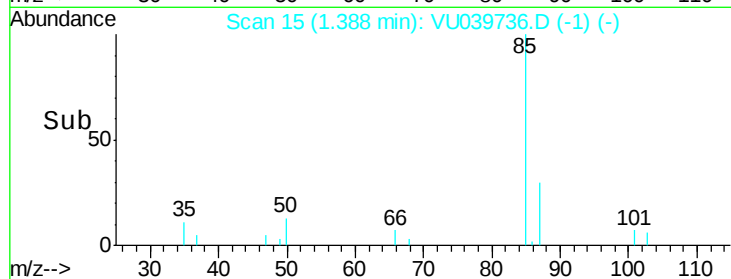
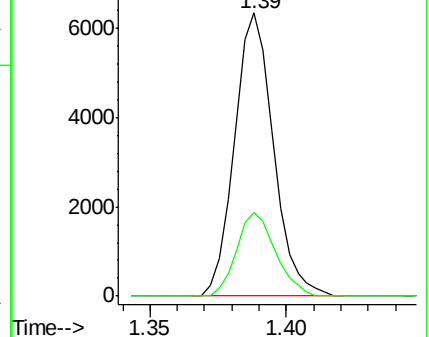
85 100

87 29.4 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU039737.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU039737.D (-7) (-)



#3

Chloromethane

Concen: 1.632 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039736.D

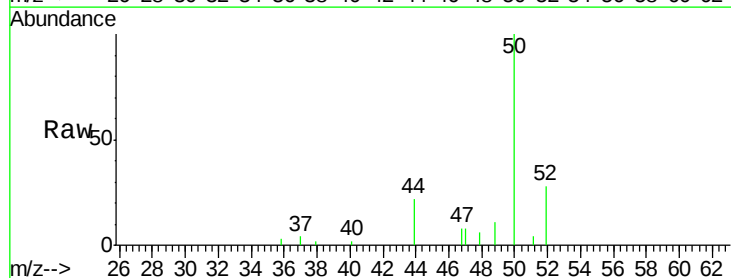
Acq: 03 Aug 2020 13:39

Tgt Ion: 50 Resp: 7142

Ion Ratio Lower Upper

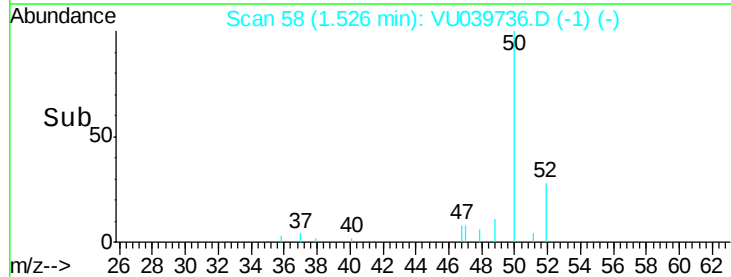
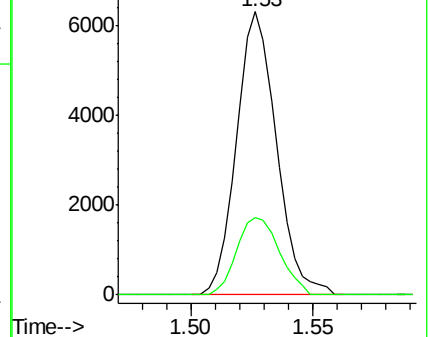
50 100

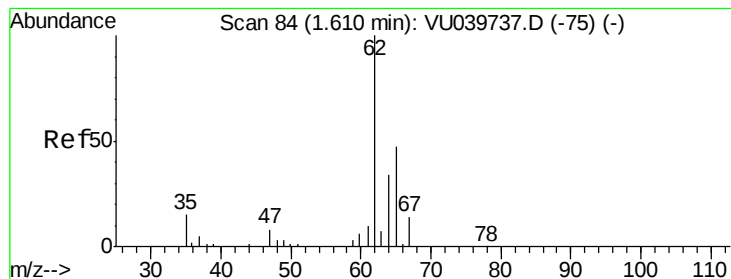
52 27.5 21.6 40.0



Abundance Ion 50.05 (49.75 to 50.75): VU039737.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU039737.D (-49) (-)





#5

Vinyl chloride

Concen: 1.376 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU039736.D

Acq: 03 Aug 2020 13:39

Instrument :

MSVOA_U

ClientSampleId :

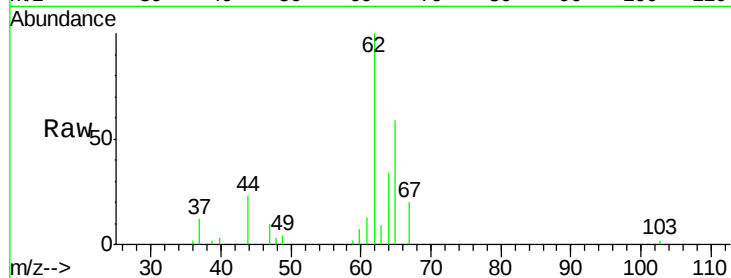
VSTD00102

Tgt Ion: 62 Resp: 6273

Ion Ratio Lower Upper

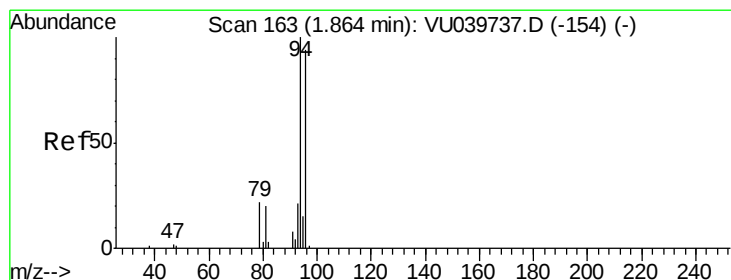
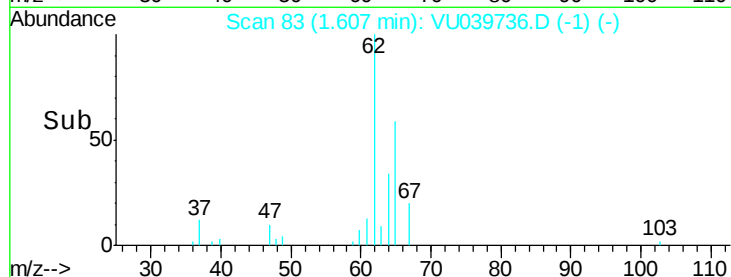
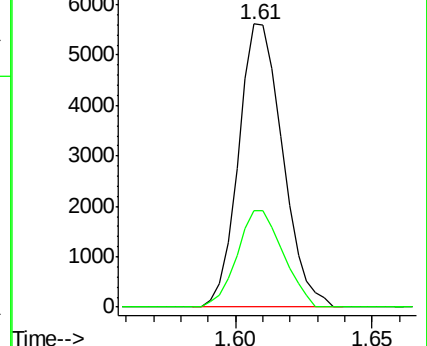
62 100

64 34.0 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU039737.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU039737.D (-75) (-)



#6

Bromomethane

Concen: 1.457 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU039736.D

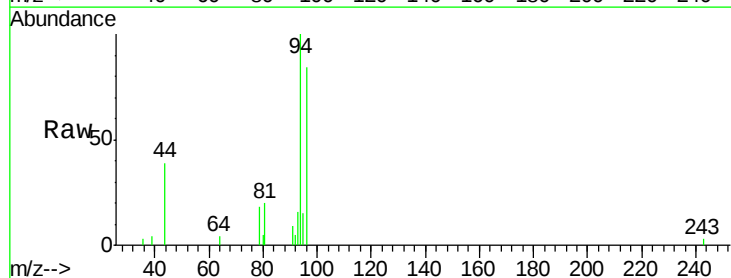
Acq: 03 Aug 2020 13:39

Tgt Ion: 94 Resp: 4277

Ion Ratio Lower Upper

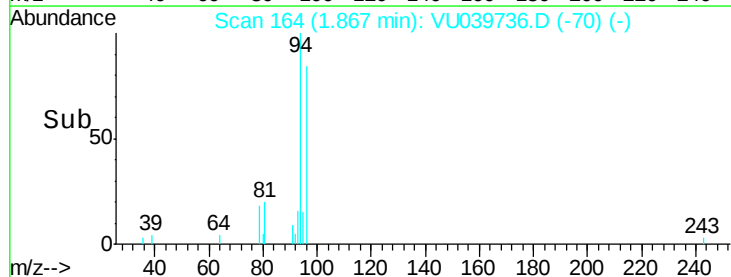
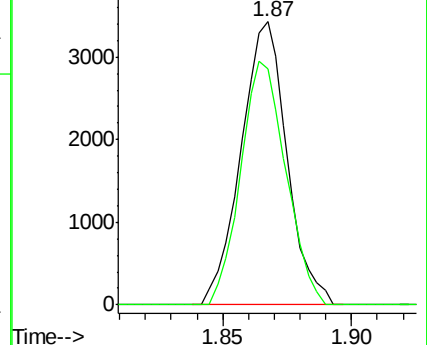
94 100

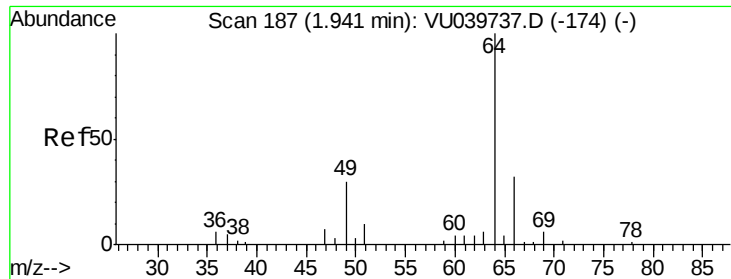
96 83.6 65.8 122.2



Abundance Ion 94.00 (93.70 to 94.70): VU039737.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU039737.D (-154) (-)

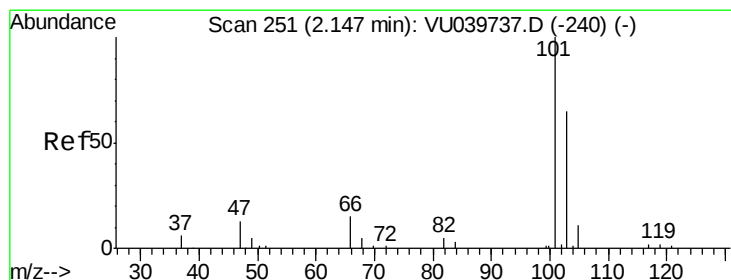
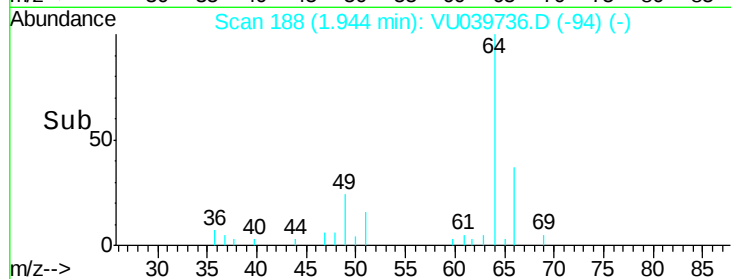
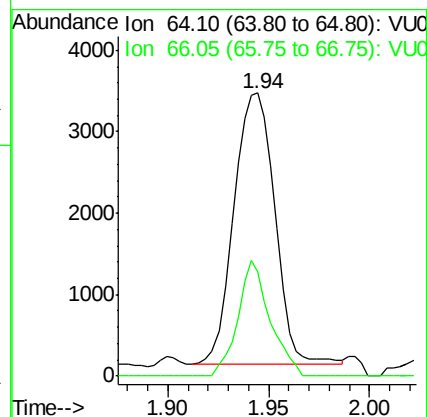
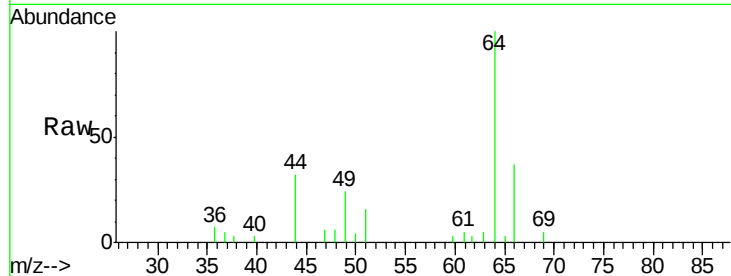




#8
Chloroethane
Concen: 1.288 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU039736.D
Acq: 03 Aug 2020 13:39

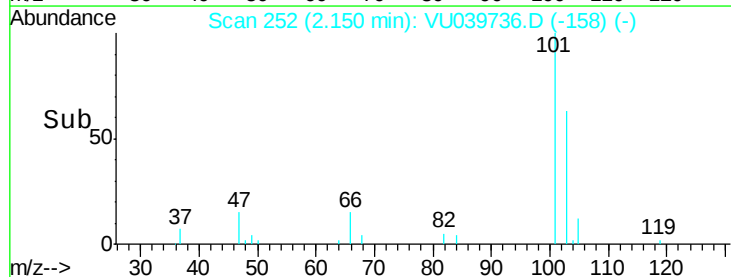
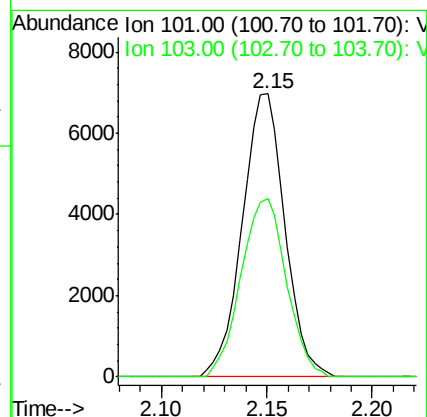
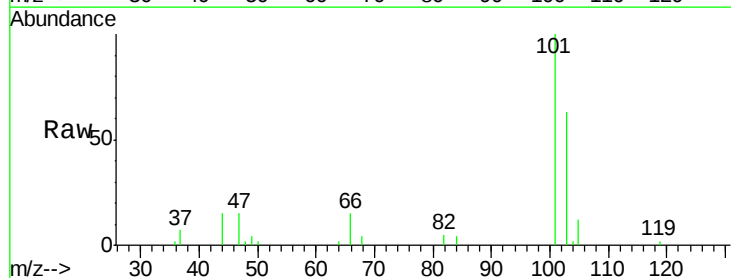
Instrument :
MSVOA_U
ClientSampleId :
VSTD00102

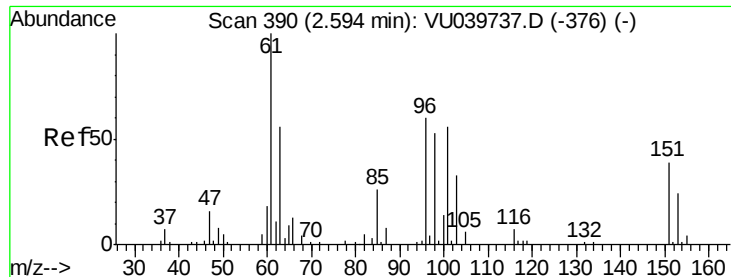
Tgt Ion: 64 Resp: 4719
Ion Ratio Lower Upper
64 100
66 36.7 22.3 41.3



#9
Trichlorofluoromethane
Concen: 1.084 ug/L
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU039736.D
Acq: 03 Aug 2020 13:39

Tgt Ion: 101 Resp: 9796
Ion Ratio Lower Upper
101 100
103 66.8 51.4 77.2





#10

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

Concen: 1.275 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039736.D

Acq: 03 Aug 2020 13:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD00102

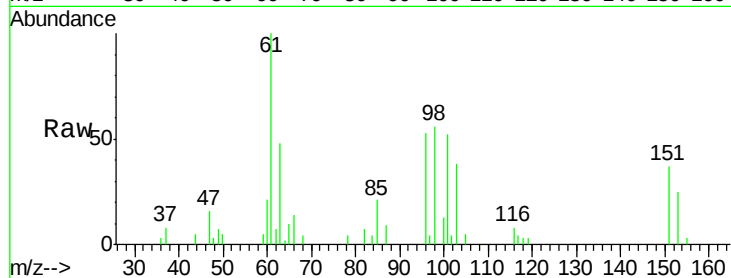
Tgt Ion: 101 Resp: 5154

Ion Ratio Lower Upper

101 100

85 44.5 37.9 56.9

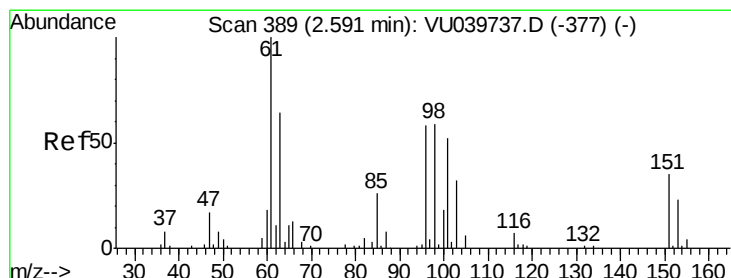
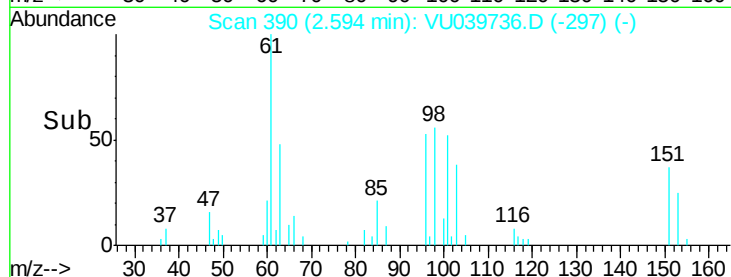
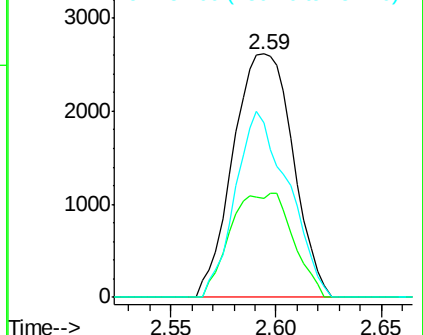
151 67.9 54.7 82.1



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: 1.245 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039736.D

Acq: 03 Aug 2020 13:39

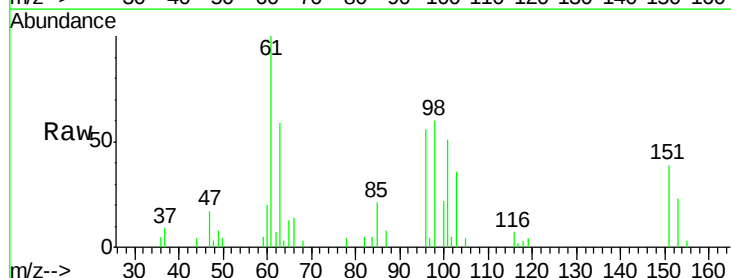
Tgt Ion: 96 Resp: 4574

Ion Ratio Lower Upper

96 100

61 177.7 121.7 225.9

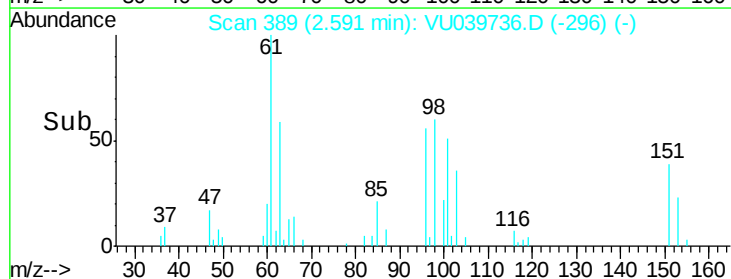
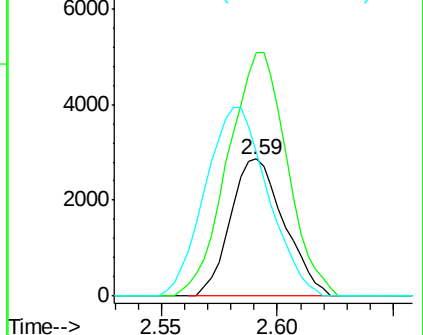
63 105.4 82.1 152.5

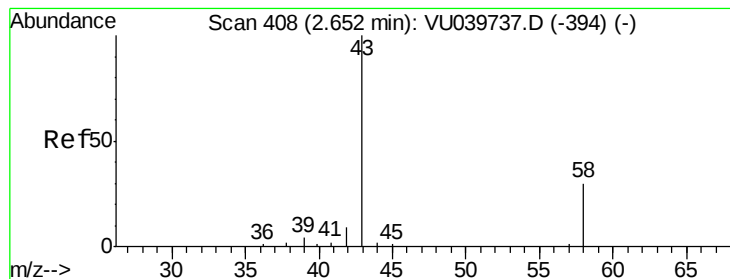


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 13.076 ug/L

RT: 2.65 min Scan# 407

Delta R.T. -0.00 min

Lab File: VU039736.D

Acq: 03 Aug 2020 13:39

Instrument :

MSVOA_U

ClientSampleId :

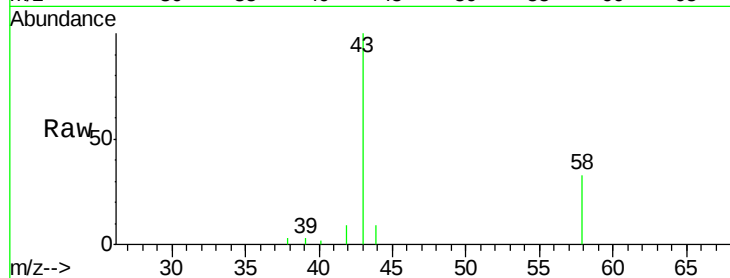
VSTD00102

Tgt Ion: 43 Resp: 11623

Ion Ratio Lower Upper

43 100

58 28.3 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU039737.D (-394) (-)

Ion 58.05 (57.75 to 58.75): VU039737.D (-394) (-)

2.65

4000

3000

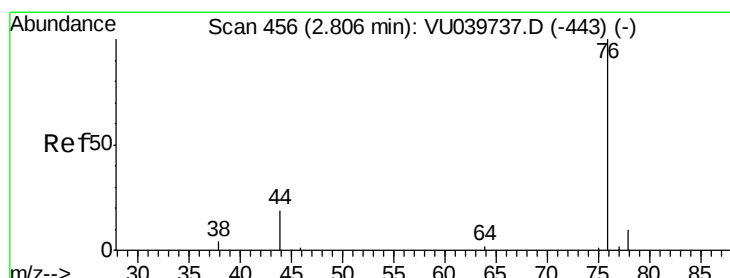
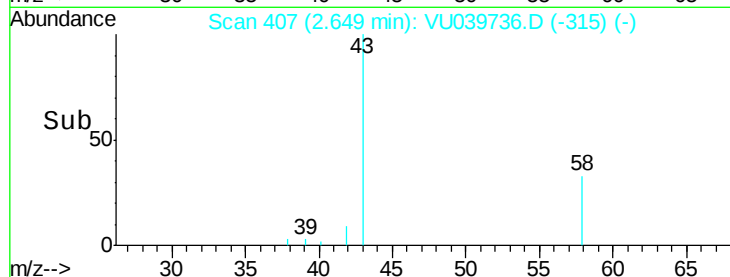
2000

1000

0

Time-->

2.55 2.60 2.65 2.70 2.75



#14

Carbon disulfide

Concen: 1.280 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU039736.D

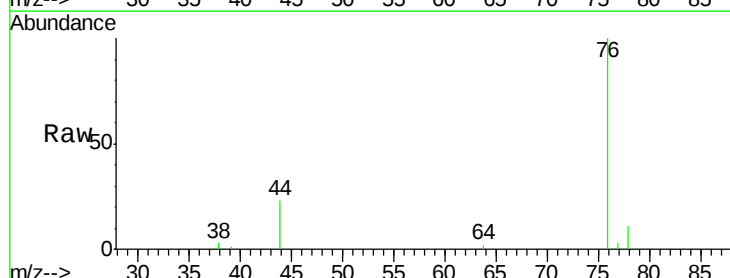
Acq: 03 Aug 2020 13:39

Tgt Ion: 76 Resp: 14180

Ion Ratio Lower Upper

76 100

78 11.4 7.8 11.6



Abundance Ion 76.05 (75.75 to 76.75): VU039737.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU039737.D (-443) (-)

2.81

8000

6000

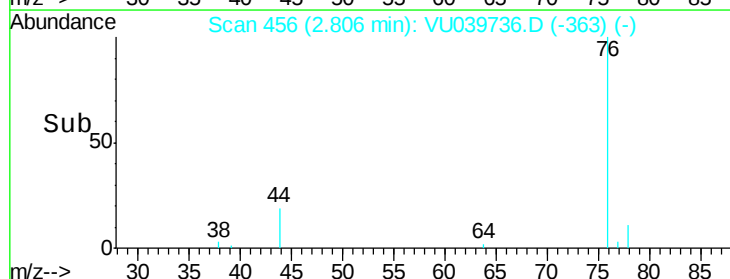
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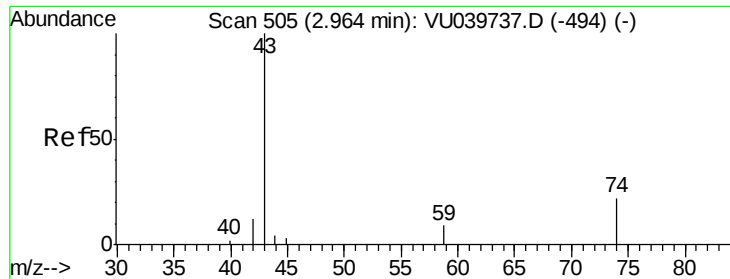
2000

0

Time-->

2.75 2.80 2.85

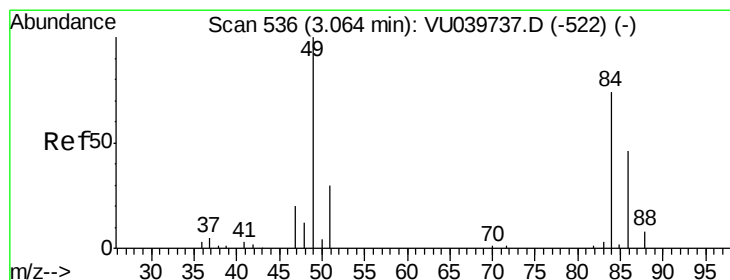
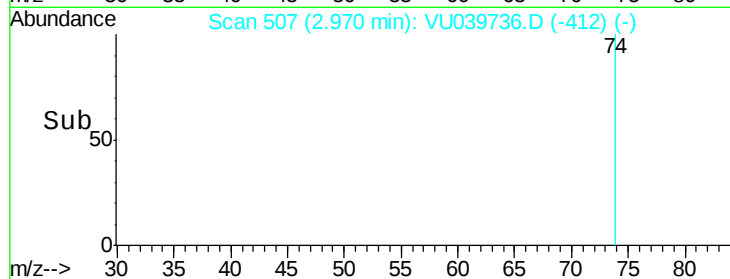
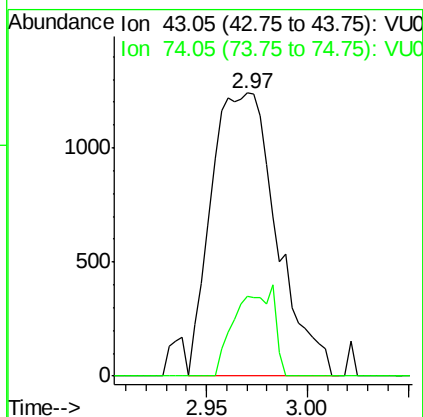
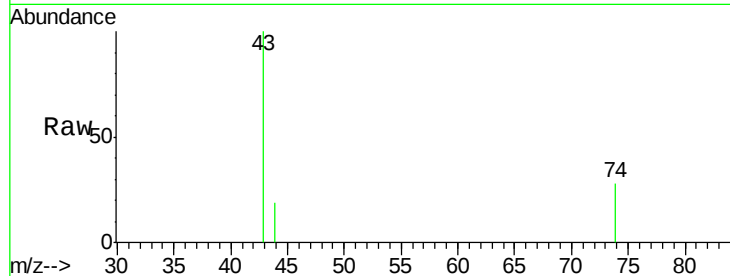




#15
Methyl Acetate
Concen: 1.280 ug/L
RT: 2.97 min Scan# 507
Delta R.T. 0.01 min
Lab File: VU039736.D
Acq: 03 Aug 2020 13:39

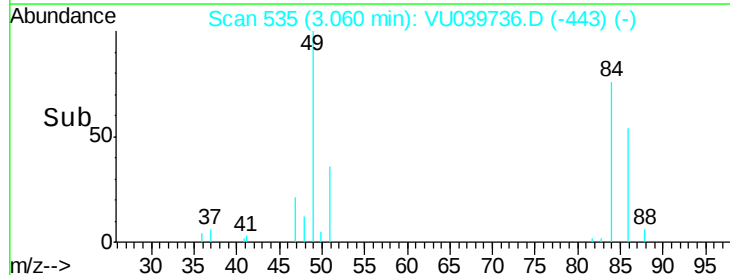
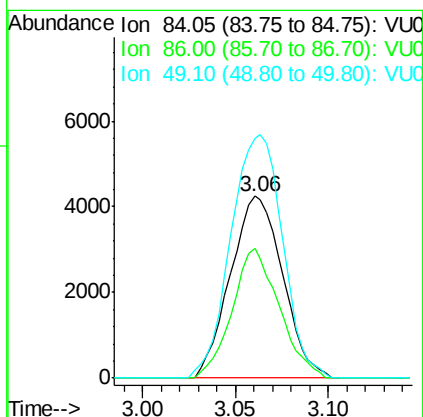
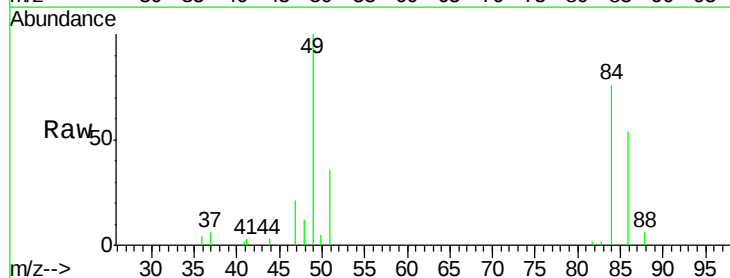
Instrument :
MSVOA_U
ClientSampleId :
VSTD00102

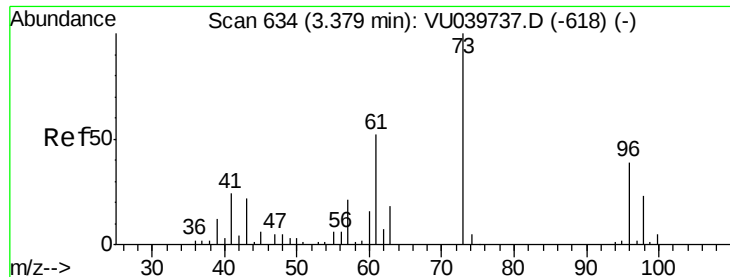
Tgt Ion: 43 Resp: 2797
Ion Ratio Lower Upper
43 100
74 18.9 16.6 25.0



#16
Methylene chloride
Concen: 1.567 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU039736.D
Acq: 03 Aug 2020 13:39

Tgt Ion: 84 Resp: 8312
Ion Ratio Lower Upper
84 100
86 71.0 43.9 81.5
49 131.9 94.4 175.4

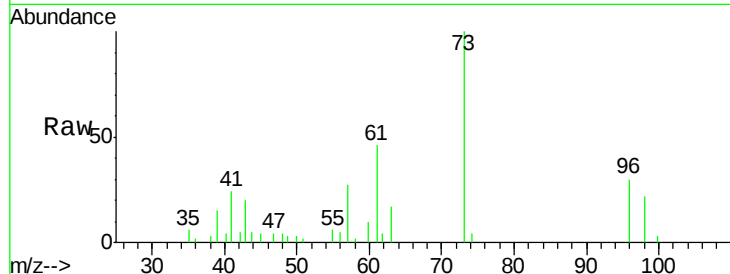




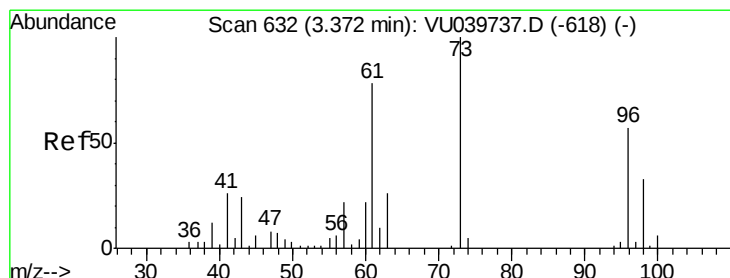
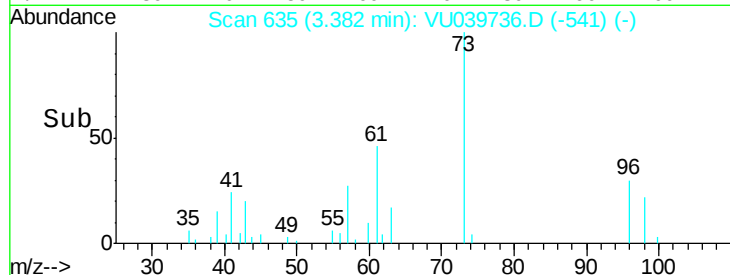
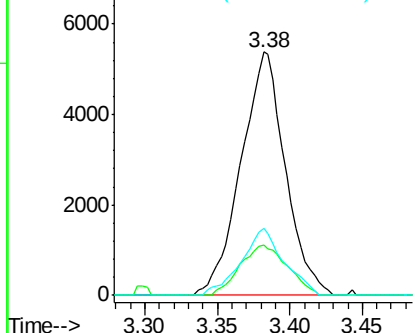
#17
Methyl tert-butyl Ether
Concen: 1.014 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU039736.D
Acq: 03 Aug 2020 13:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD00102

Tgt Ion: 73 Resp: 11432
Ion Ratio Lower Upper
73 100
43 22.1 18.2 27.4
57 26.5 17.8 26.8

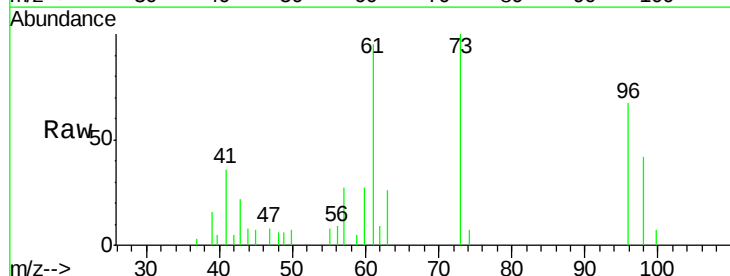


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

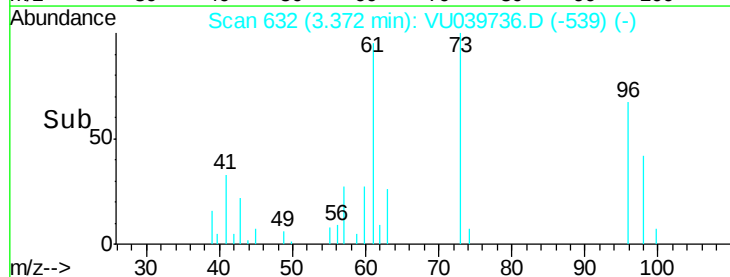
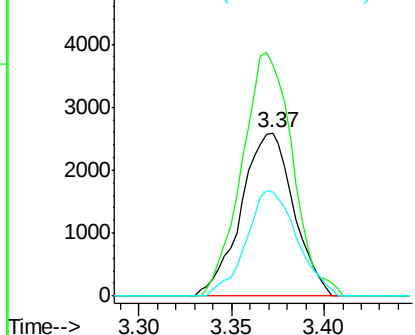


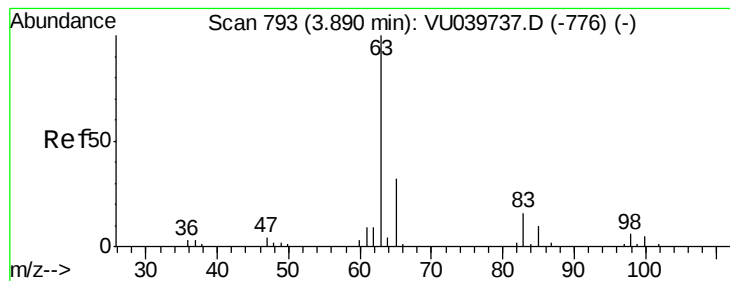
#18
trans-1,2-Dichloroethene
Concen: 1.253 ug/L
RT: 3.37 min Scan# 632
Delta R.T. -0.00 min
Lab File: VU039736.D
Acq: 03 Aug 2020 13:39

Tgt Ion: 96 Resp: 5099
Ion Ratio Lower Upper
96 100
61 141.2 96.5 179.1
98 63.5 40.9 76.0



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: 1.165 ug/L

RT: 3.89 min Scan# 792

Delta R.T. -0.00 min

Lab File: VU039736.D

Acq: 03 Aug 2020 13:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD00102

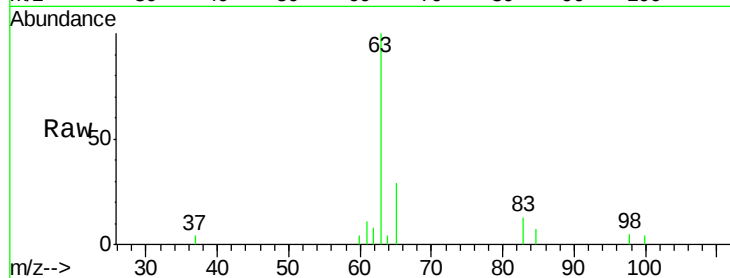
Tgt Ion: 63 Resp: 9474

Ion Ratio Lower Upper

63 100

65 28.8 22.0 41.0

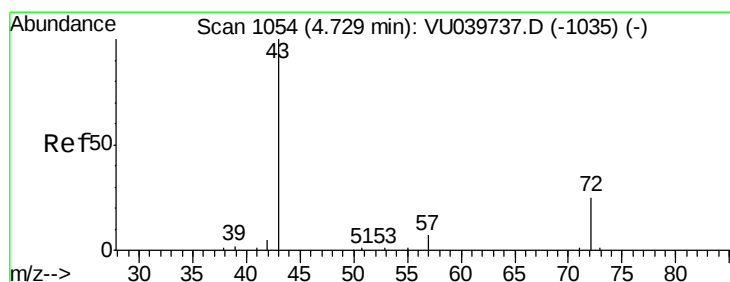
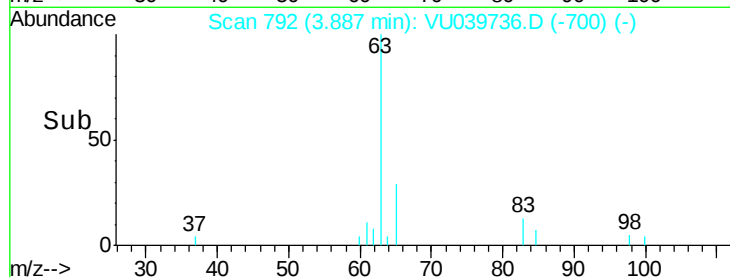
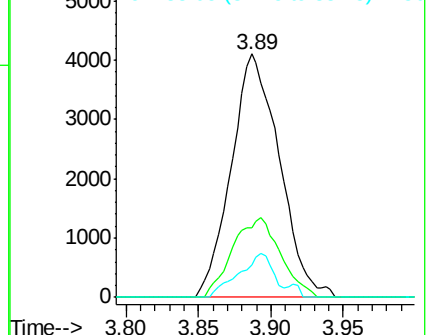
83 13.5 10.9 20.2



Abundance Ion 63.10 (62.80 to 63.80): VU039737.D (-776) (-)

Ion 65.10 (64.80 to 65.80): VU039737.D (-776) (-)

Ion 83.05 (82.75 to 83.75): VU039737.D (-776) (-)



#21

2-Butanone

Concen: 11.563 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VU039736.D

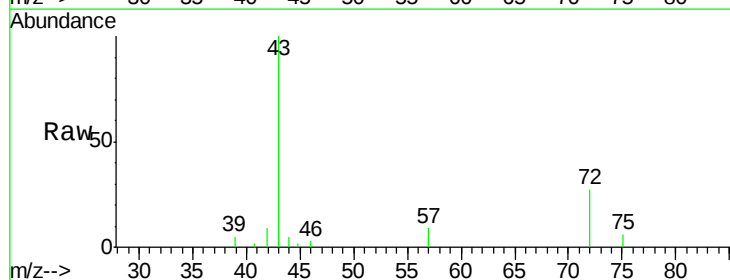
Acq: 03 Aug 2020 13:39

Tgt Ion: 43 Resp: 17760

Ion Ratio Lower Upper

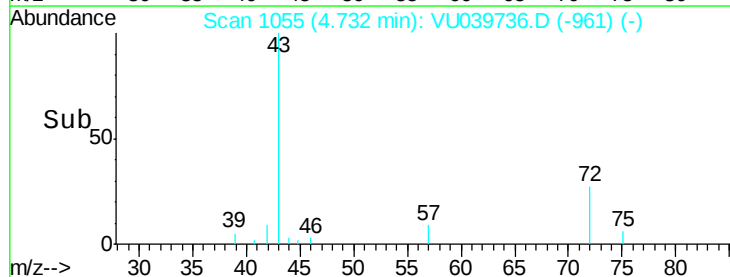
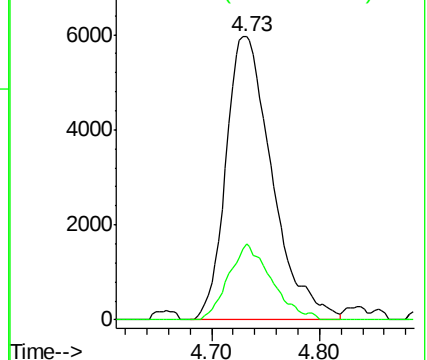
43 100

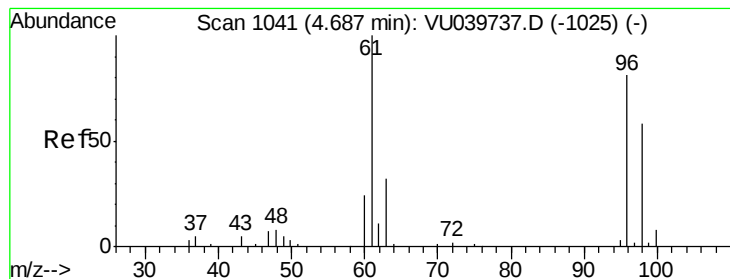
72 25.0 13.0 39.0



Abundance Ion 43.05 (42.75 to 43.75): VU039737.D (-1035) (-)

Ion 72.10 (71.80 to 72.80): VU039737.D (-1035) (-)





#22

cis-1,2-Dichloroethene

Concen: 1.139 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VU039736.D

Acq: 03 Aug 2020 13:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD00102

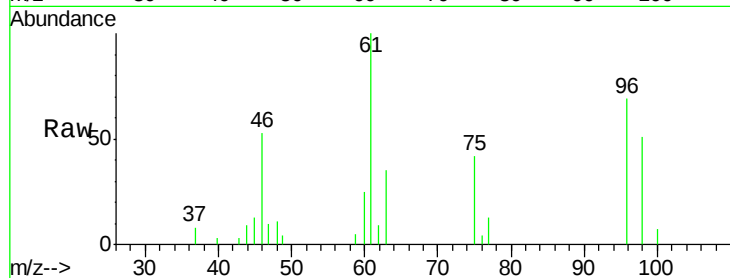
Tgt Ion: 96 Resp: 5360

Ion Ratio Lower Upper

96 100

61 145.3 87.4 162.2

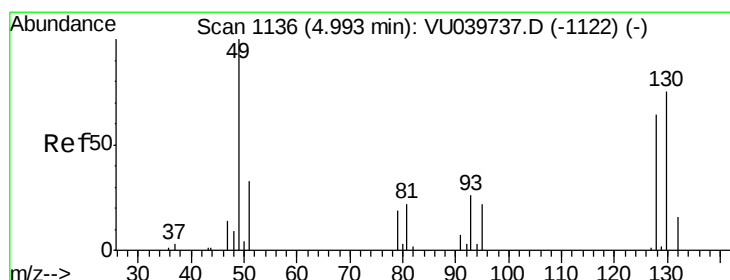
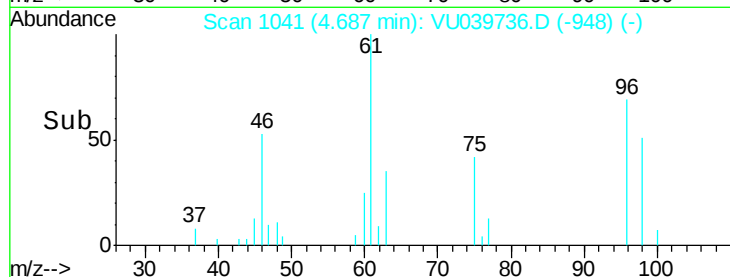
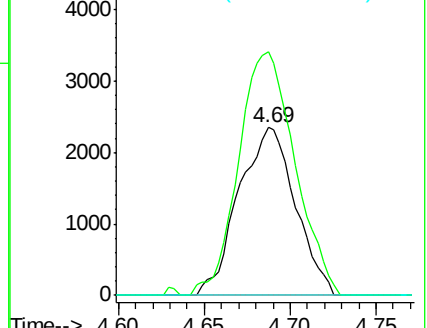
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039736.D (-1025) (-)

Ion 61.05 (60.75 to 61.75): VU039736.D (-1025) (-)

Ion 68.15 (67.85 to 68.85): VU039736.D (-1025) (-)



#23

Bromochloromethane

Concen: 1.111 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VU039736.D

Acq: 03 Aug 2020 13:39

Tgt Ion: 128 Resp: 2469

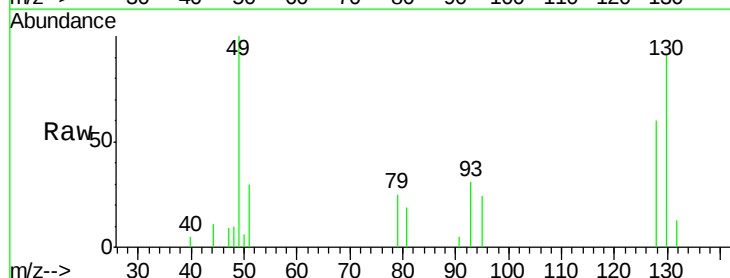
Ion Ratio Lower Upper

128 100

49 166.4 110.3 204.9

130 151.2 82.0 152.4

51 49.7 40.8 61.2

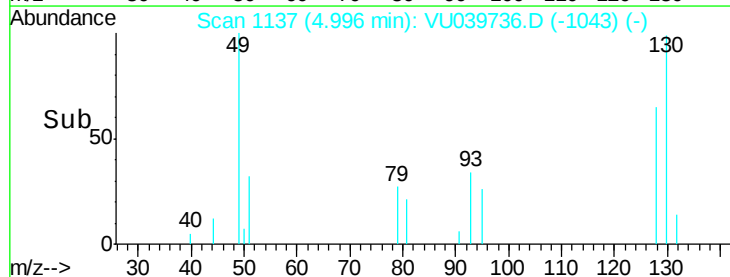
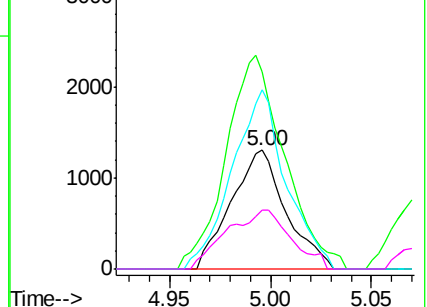


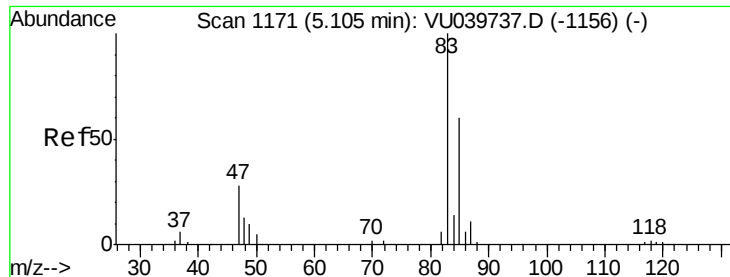
Abundance Ion 127.90 (127.60 to 128.60): VU039736.D (-1122) (-)

Ion 49.10 (48.80 to 49.80): VU039736.D (-1122) (-)

Ion 129.95 (129.65 to 130.65): VU039736.D (-1122) (-)

Ion 51.05 (50.75 to 51.75): VU039736.D (-1122) (-)

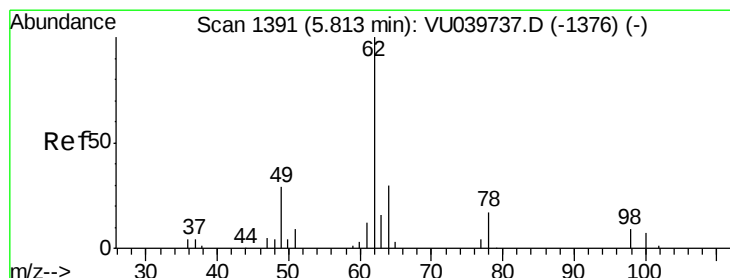
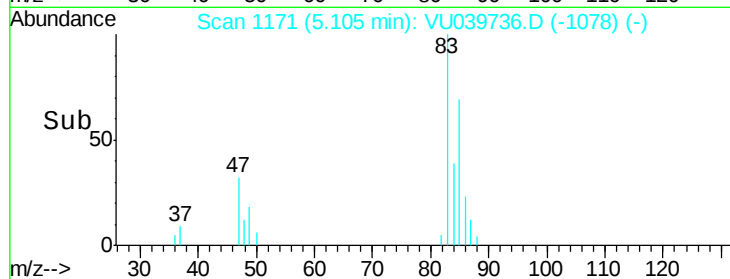
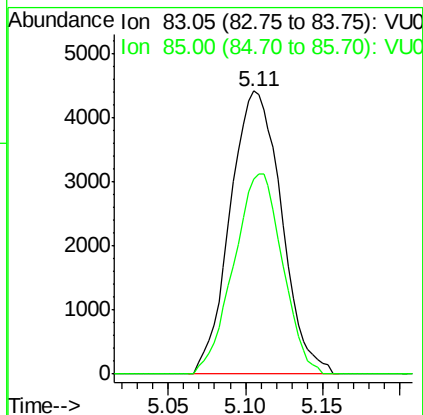
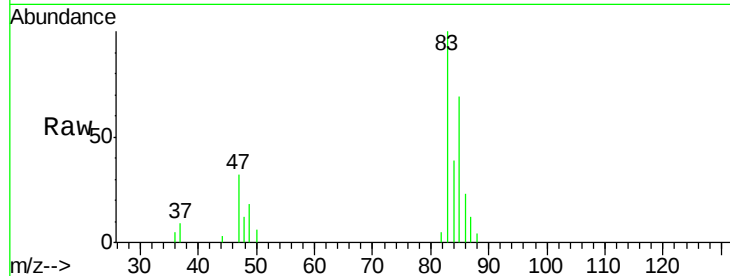




#25
Chloroform
Concen: 1.095 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU039736.D
Acq: 03 Aug 2020 13:39

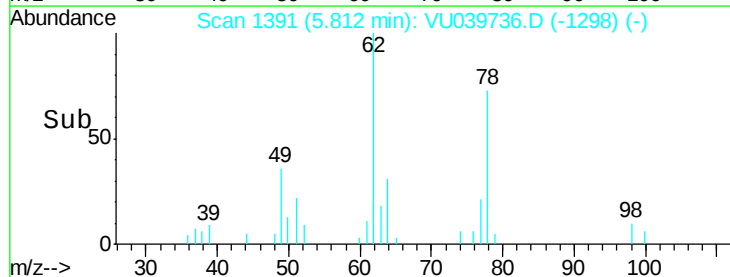
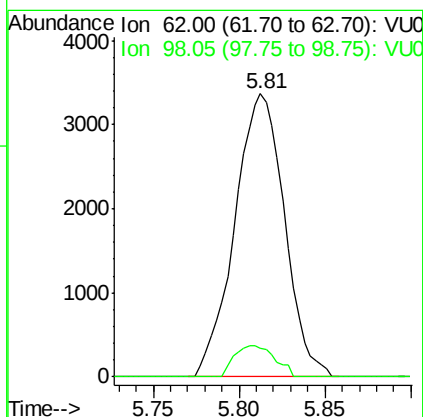
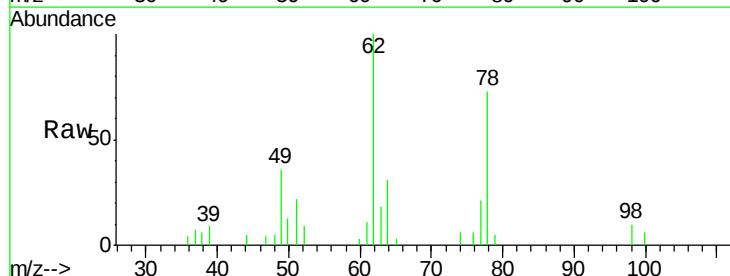
Instrument :
MSVOA_U
ClientSampleId :
VSTD00102

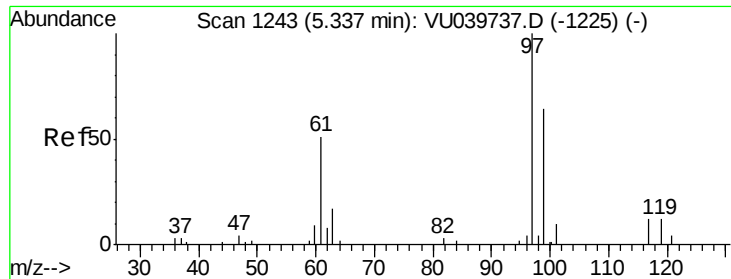
Tgt Ion: 83 Resp: 10161
Ion Ratio Lower Upper
83 100
85 69.1 42.1 78.3



#27
1,2-Dichloroethane
Concen: 1.077 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU039736.D
Acq: 03 Aug 2020 13:39

Tgt Ion: 62 Resp: 6773
Ion Ratio Lower Upper
62 100
98 10.3 7.3 10.9

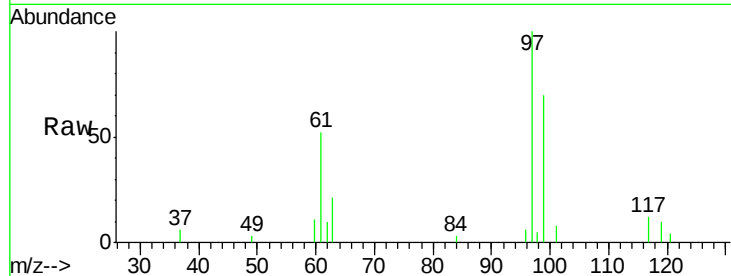




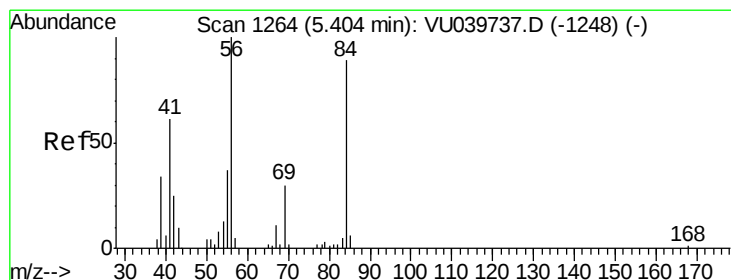
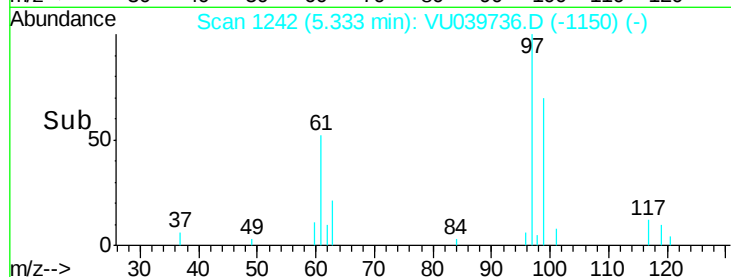
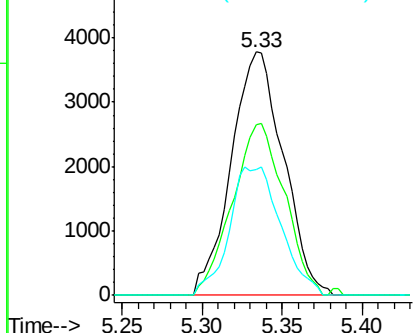
#29
 1,1,1-Trichloroethane
 Concen: 1.059 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VU039736.D
 Acq: 03 Aug 2020 13:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00102

Tgt Ion: 97 Resp: 8430
 Ion Ratio Lower Upper
 97 100
 99 70.4 52.8 79.2
 61 51.8 40.5 60.7

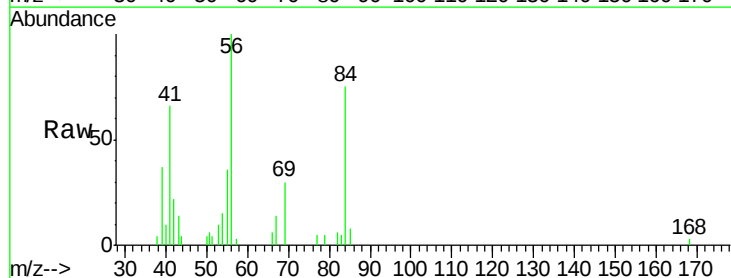


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

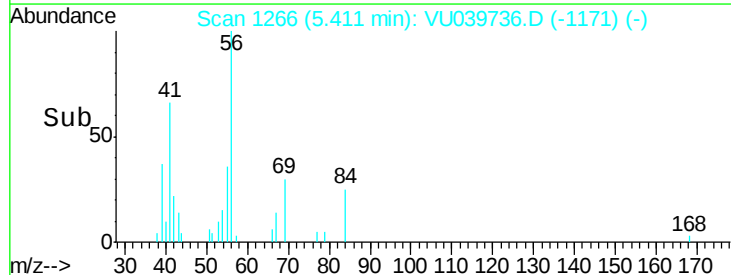
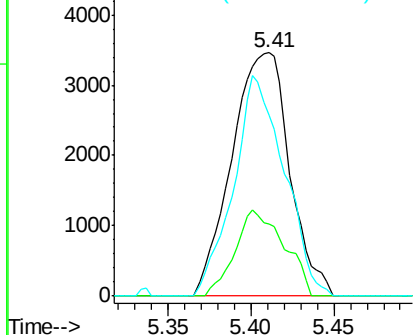


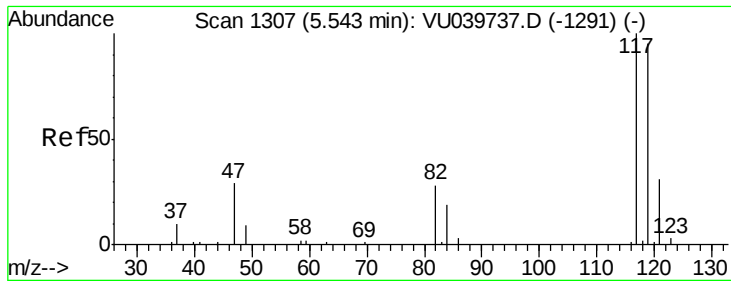
#30
 Cyclohexane
 Concen: 1.182 ug/L
 RT: 5.41 min Scan# 1266
 Delta R.T. 0.01 min
 Lab File: VU039736.D
 Acq: 03 Aug 2020 13:39

Tgt Ion: 56 Resp: 8405
 Ion Ratio Lower Upper
 56 100
 69 29.8 24.4 36.6
 84 79.3 71.3 106.9



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: 1.097 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VU039736.D

Acq: 03 Aug 2020 13:39

Instrument :

MSVOA_U

ClientSampleId :

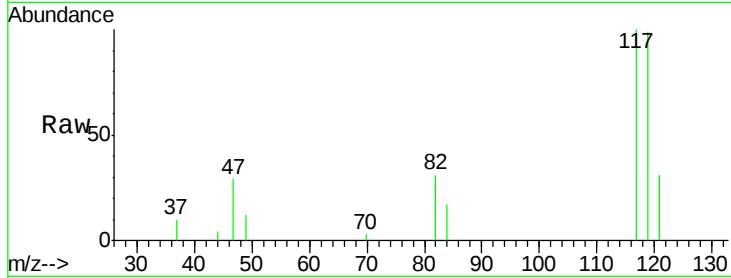
VSTD00102

Tgt Ion:117 Resp: 7543

Ion Ratio Lower Upper

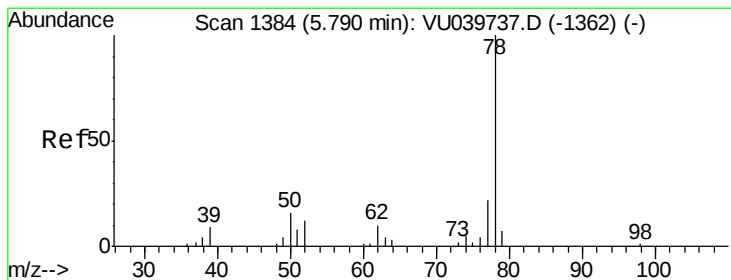
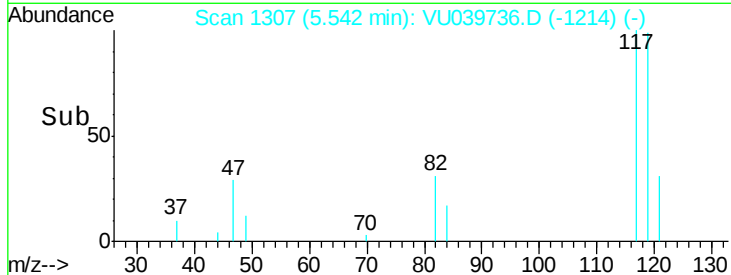
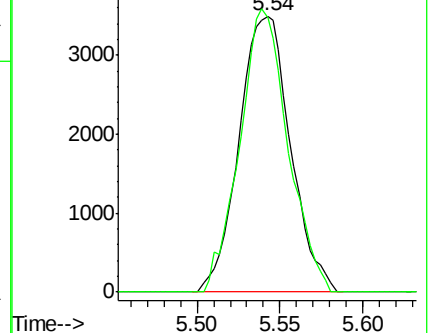
117 100

119 96.2 75.5 113.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 1.178 ug/L

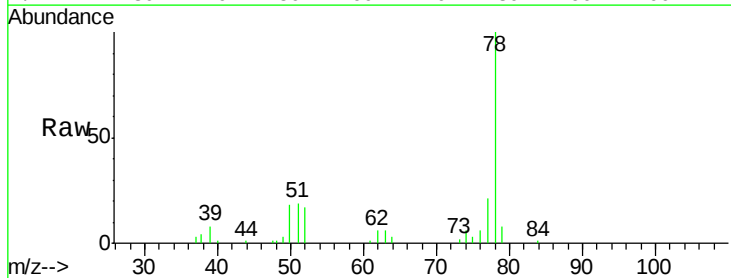
RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

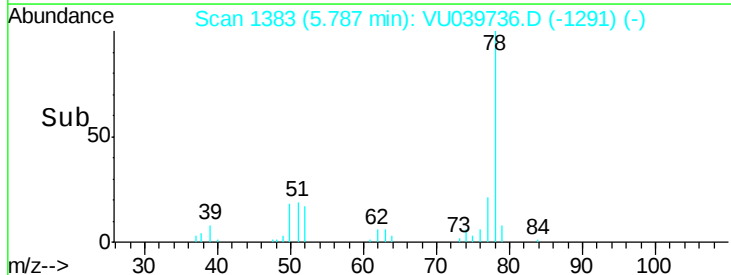
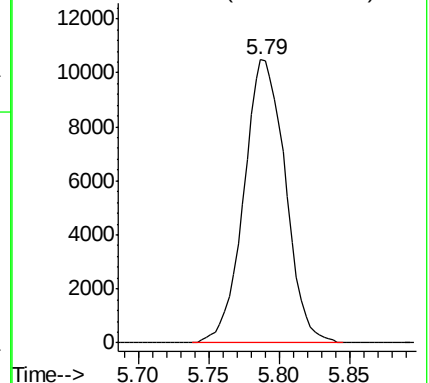
Lab File: VU039736.D

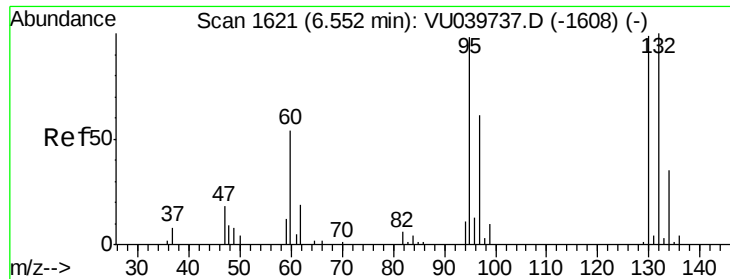
Acq: 03 Aug 2020 13:39

Tgt Ion: 78 Resp: 21604



Abundance Ion 78.10 (77.80 to 78.80): VU0

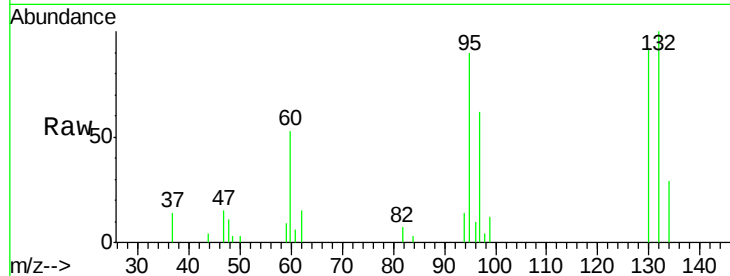




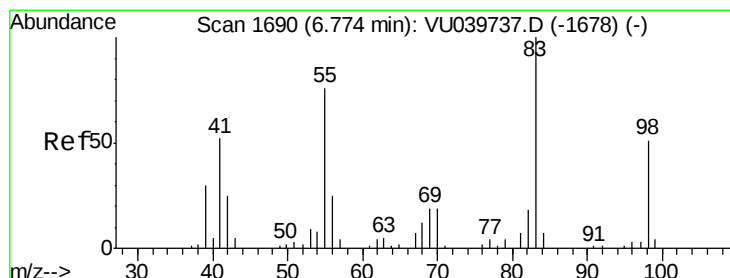
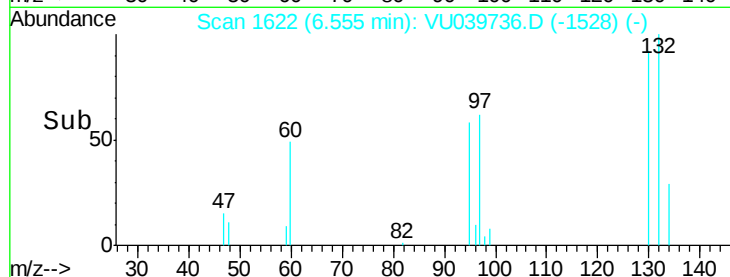
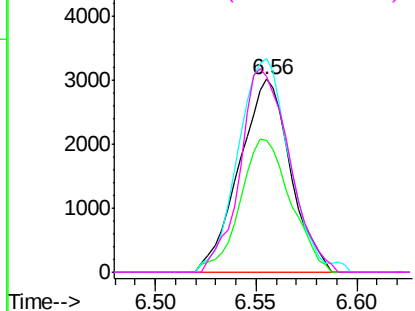
#34
 Trichloroethene
 Concen: 1.059 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU039736.D
 Acq: 03 Aug 2020 13:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00102

Tgt Ion: 95 Resp: 5321
 Ion Ratio Lower Upper
 95 100
 97 68.5 44.0 81.8
 132 110.7 71.7 133.3
 130 101.3 71.1 132.1

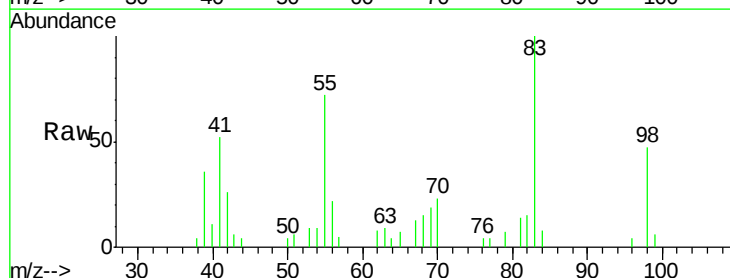


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

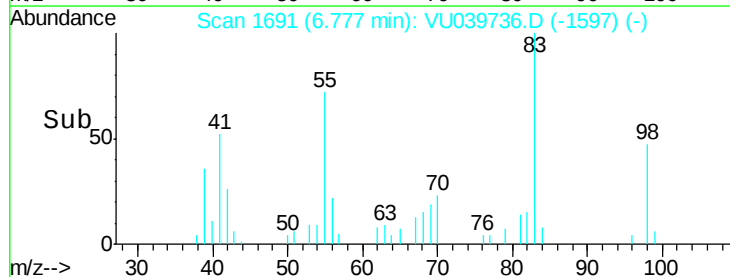
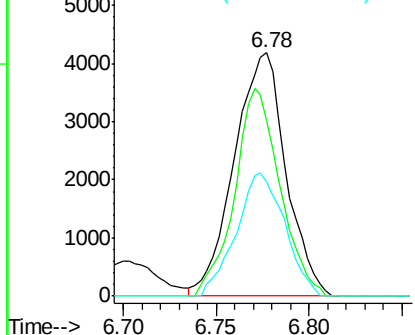


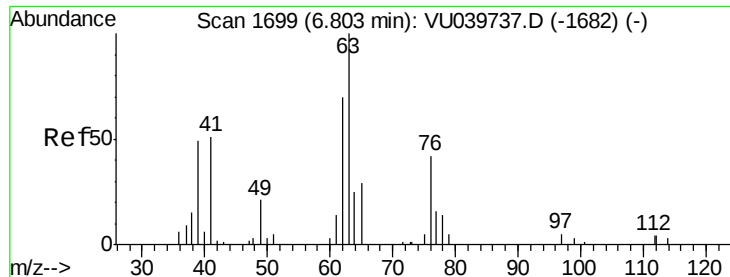
#35
 Methylcyclohexane
 Concen: 1.083 ug/L
 RT: 6.78 min Scan# 1691
 Delta R.T. 0.00 min
 Lab File: VU039736.D
 Acq: 03 Aug 2020 13:39

Tgt Ion: 83 Resp: 8109
 Ion Ratio Lower Upper
 83 100
 55 74.6 59.4 89.0
 98 47.6 39.0 58.4



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

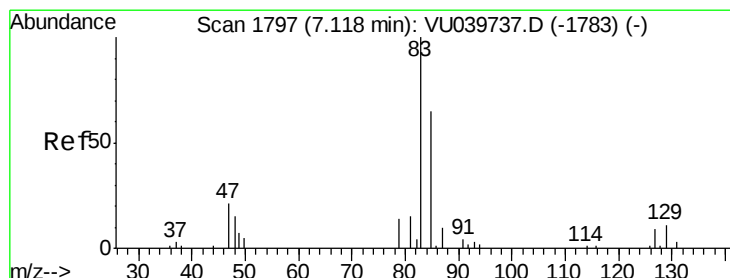
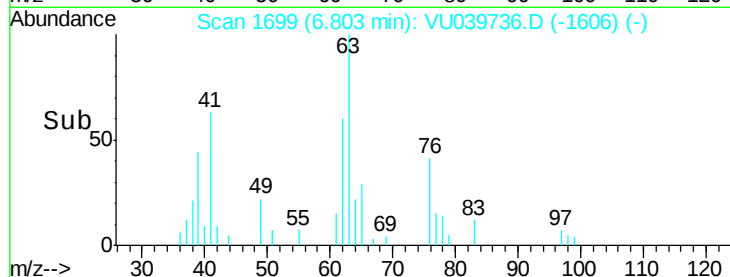
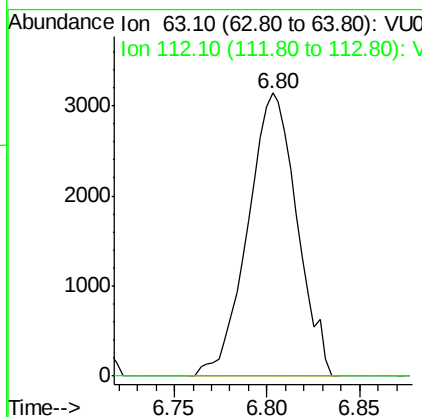
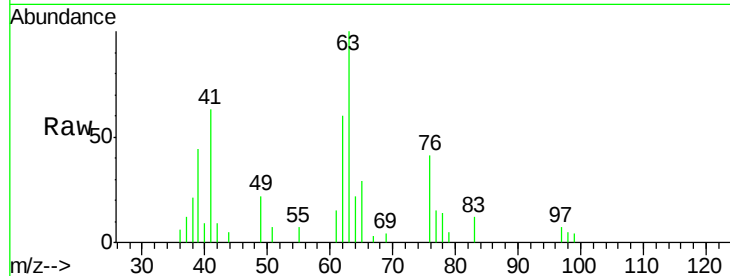




#37
 1,2-Dichloropropane
 Concen: 1.149 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU039736.D
 Acq: 03 Aug 2020 13:39

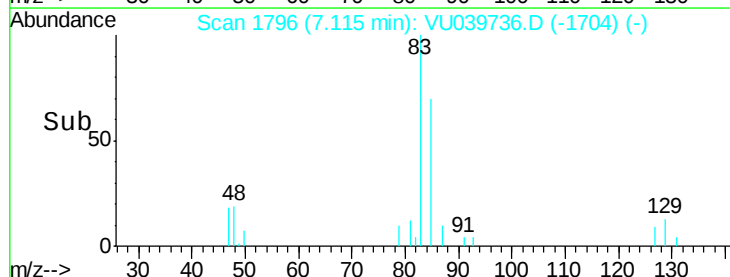
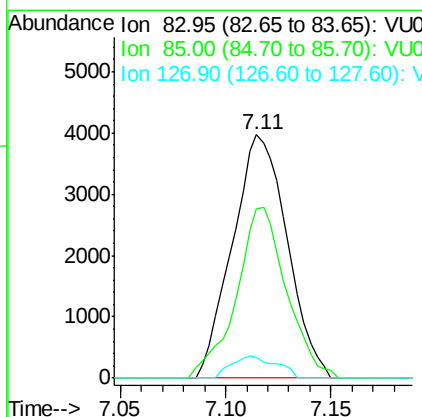
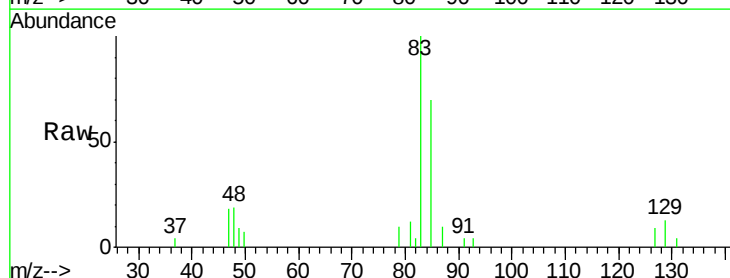
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00102

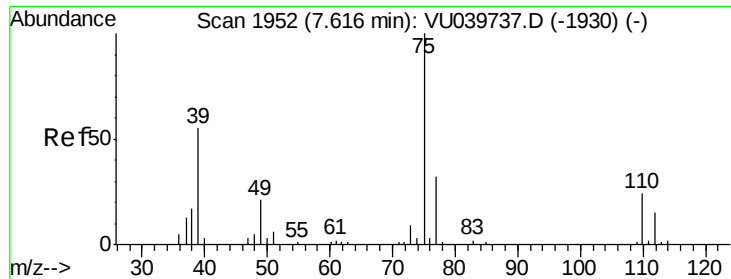
Tgt Ion: 63 Resp: 5773
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.8 5.6#



#38
 Bromodichloromethane
 Concen: 1.081 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU039736.D
 Acq: 03 Aug 2020 13:39

Tgt Ion: 83 Resp: 7145
 Ion Ratio Lower Upper
 83 100
 85 69.5 45.3 84.1
 127 8.5 7.5 11.3

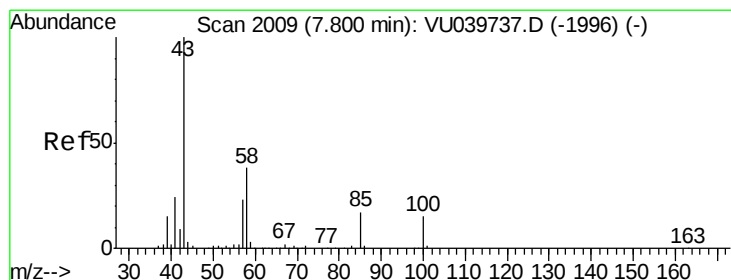
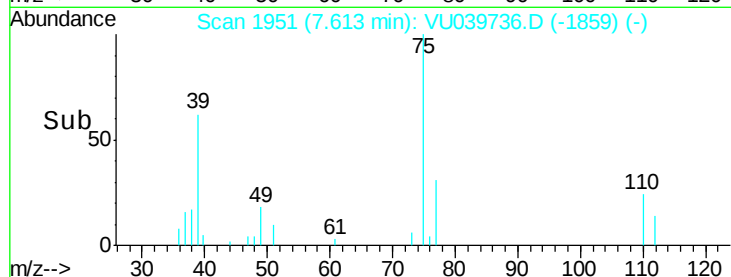
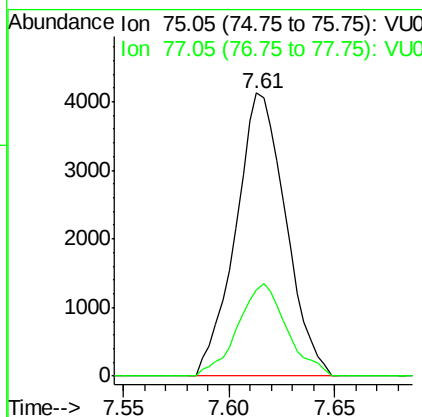
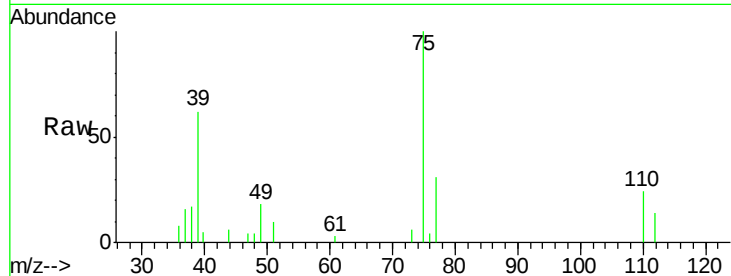




#39
 cis-1,3-Dichloropropene
 Concen: 0.948 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU039736.D
 Acq: 03 Aug 2020 13:39

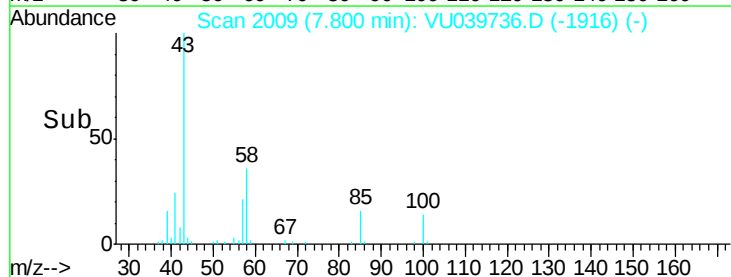
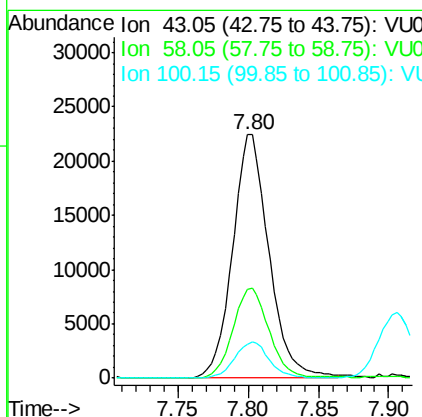
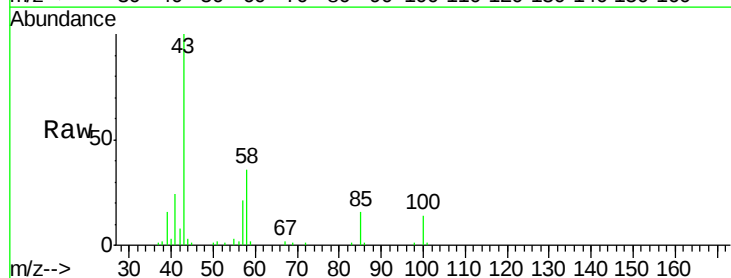
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00102

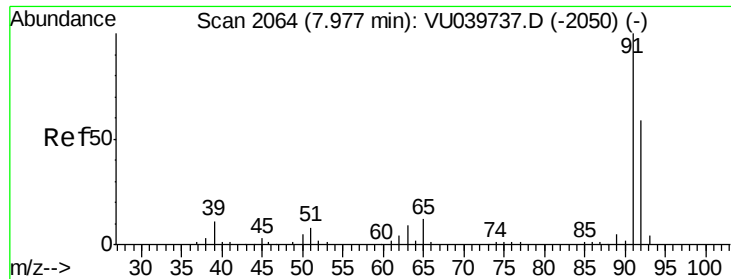
Tgt Ion: 75 Resp: 6807
 Ion Ratio Lower Upper
 75 100
 77 30.5 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 10.316 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU039736.D
 Acq: 03 Aug 2020 13:39

Tgt Ion: 43 Resp: 40580
 Ion Ratio Lower Upper
 43 100
 58 36.2 29.4 44.2
 100 14.0 11.7 17.5





#42

Toluene

Concen: 1.094 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039736.D

Acq: 03 Aug 2020 13:39

Instrument :

MSVOA_U

ClientSampleId :

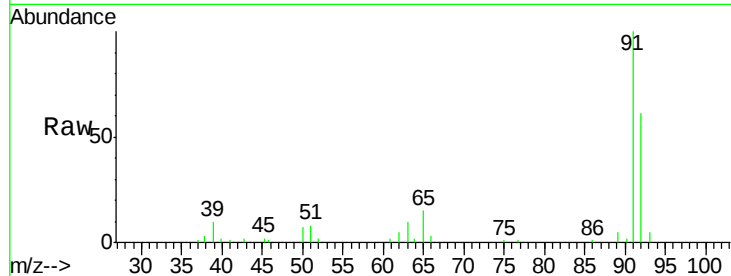
VSTD00102

Tgt Ion: 91 Resp: 21681

Ion Ratio Lower Upper

91 100

92 60.7 41.6 77.3



Abundance Ion 91.15 (90.85 to 91.85): VU039737.D (-2050) (-)

Ion 92.15 (91.85 to 92.85): VU039736.D (-1971) (-)

7.98

15000

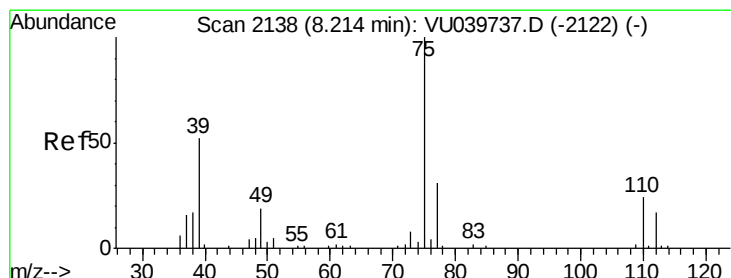
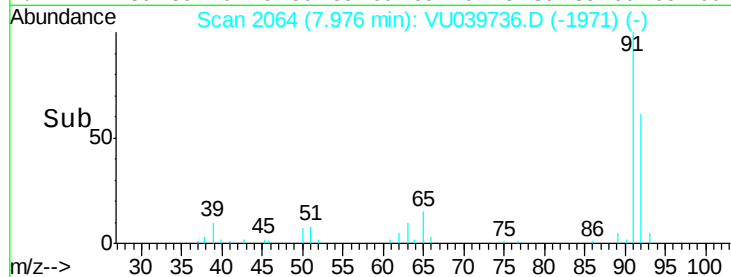
10000

5000

0

Time-->

7.90 7.95 8.00 8.05



#44

trans-1,3-Dichloropropene

Concen: 0.912 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU039736.D

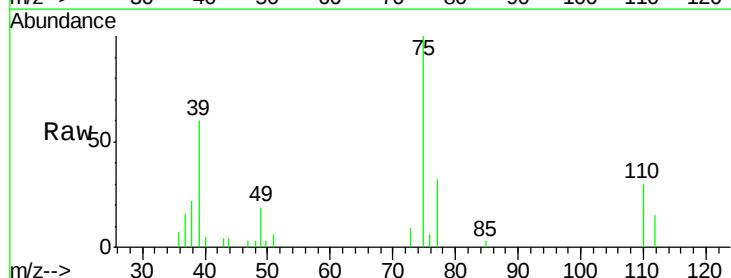
Acq: 03 Aug 2020 13:39

Tgt Ion: 75 Resp: 6016

Ion Ratio Lower Upper

75 100

77 32.1 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VU039737.D (-2122) (-)

Ion 77.05 (76.75 to 77.75): VU039736.D (-2045) (-)

8.22

4000

3000

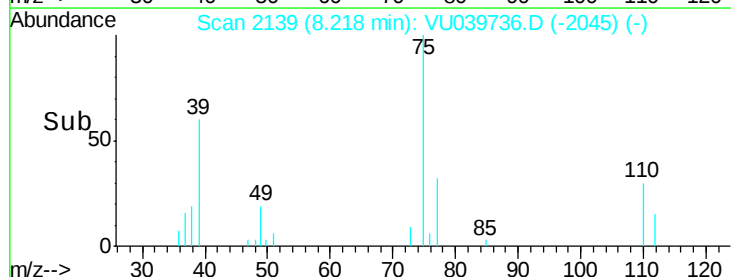
2000

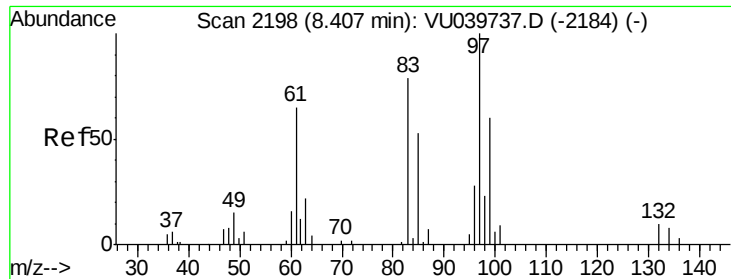
1000

0

Time-->

8.15 8.20 8.25

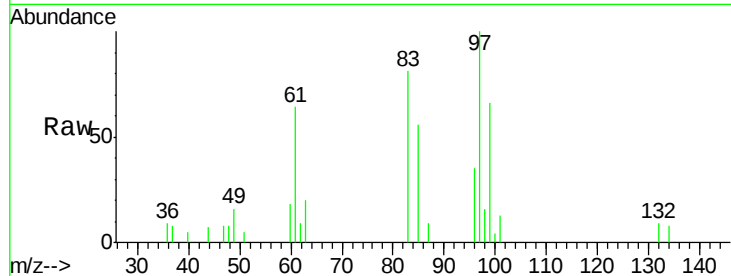




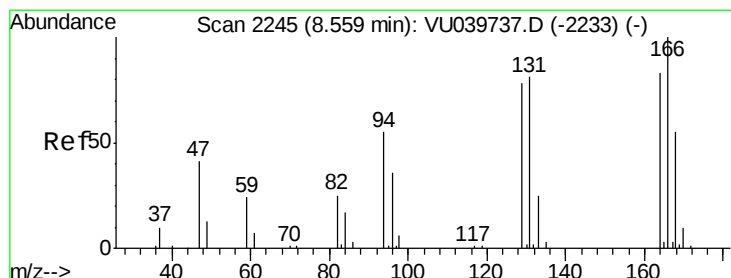
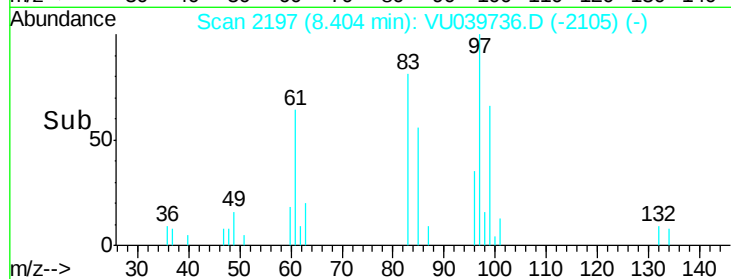
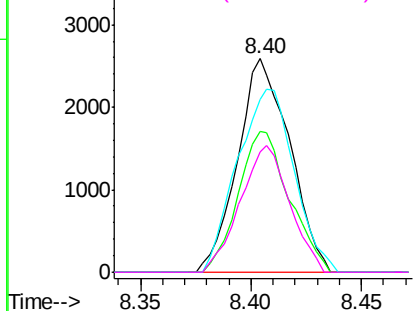
#45
 1,1,2-Trichloroethane
 Concen: 1.086 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU039736.D
 Acq: 03 Aug 2020 13:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00102

Tgt Ion:	97	Resp:	4233
Ion	Ratio	Lower	Upper
97	100		
99	66.1	42.0	78.0
83	80.8	55.2	102.4
85	56.4	37.0	68.6

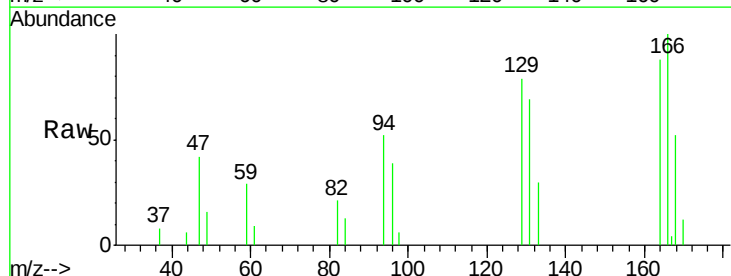


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

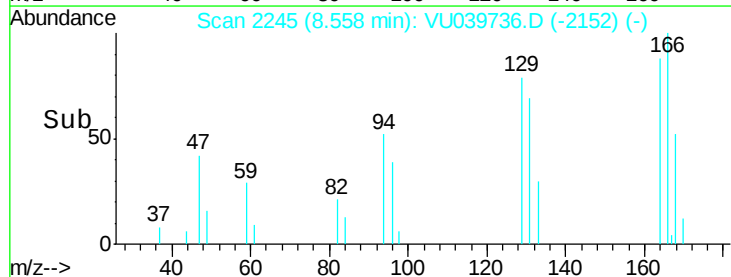
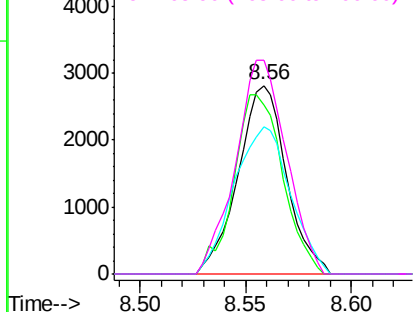


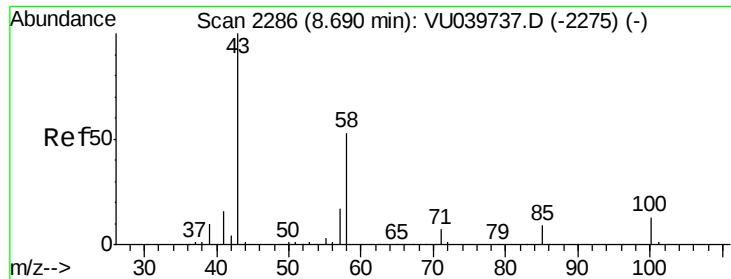
#47
 Tetrachloroethene
 Concen: 1.287 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU039736.D
 Acq: 03 Aug 2020 13:39

Tgt Ion:	164	Resp:	4502
Ion	Ratio	Lower	Upper
164	100		
129	89.6	65.9	122.5
131	78.1	68.1	126.5
166	113.5	84.5	156.9



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

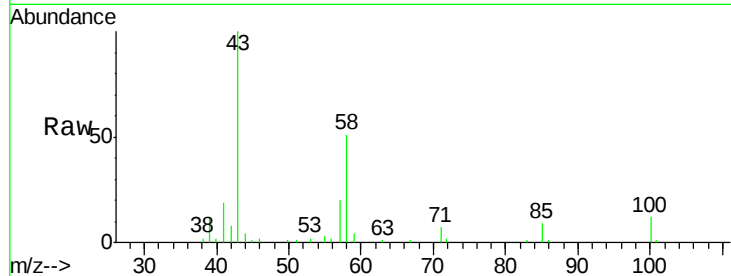




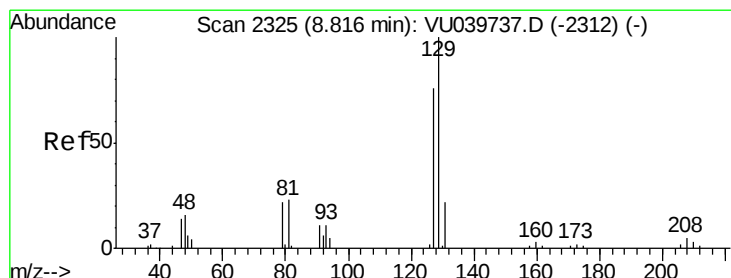
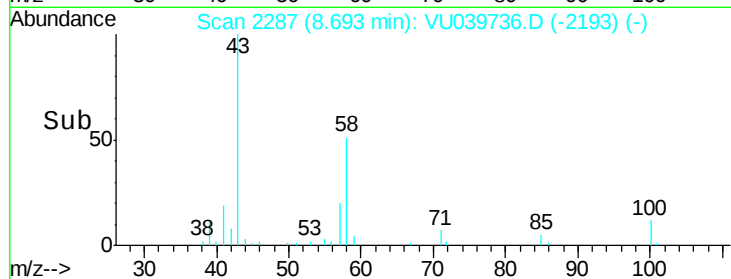
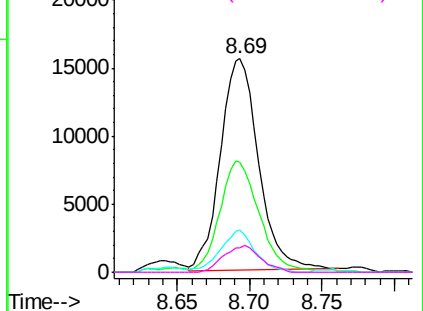
#48
2-Hexanone
Concen: 9.783 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU039736.D
Acq: 03 Aug 2020 13:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD00102

Tgt Ion:	43	Resp:	28543
Ion	Ratio	Lower	Upper
43	100		
58	51.8	41.8	62.8
57	18.0	14.2	21.4
100	12.3	9.4	14.2

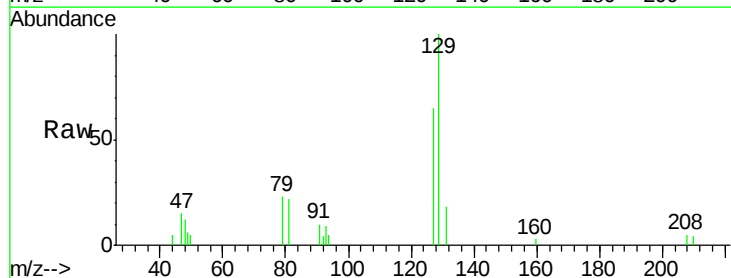


Abundance Ion 43.05 (42.75 to 43.75): VU039736.D (-2193) (-)
Ion 58.05 (57.75 to 58.75): VU039736.D (-2193) (-)
Ion 57.20 (56.90 to 57.90): VU039736.D (-2193) (-)
Ion 100.15 (99.85 to 100.85): VU039736.D (-2193) (-)

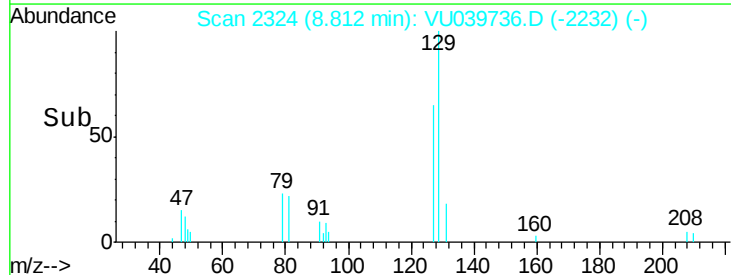
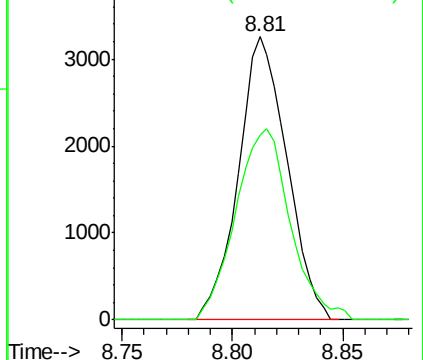


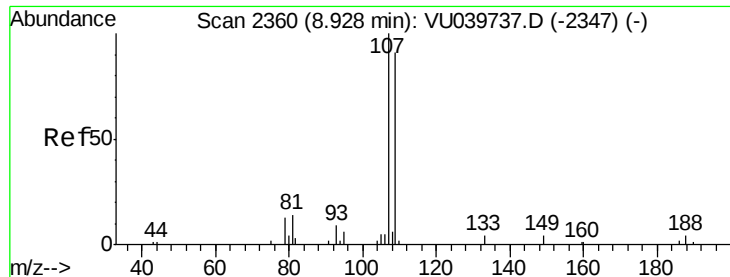
#49
Dibromochloromethane
Concen: 1.057 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU039736.D
Acq: 03 Aug 2020 13:39

Tgt Ion:	129	Resp:	4966
Ion	Ratio	Lower	Upper
129	100		
127	65.5	53.0	98.4



Abundance Ion 128.95 (128.65 to 129.65): VU039736.D (-2232) (-)
Ion 126.90 (126.60 to 127.60): VU039736.D (-2232) (-)

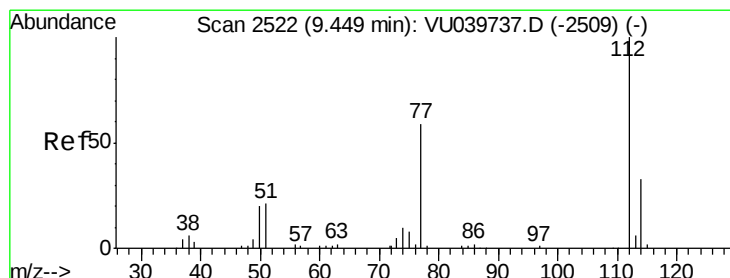
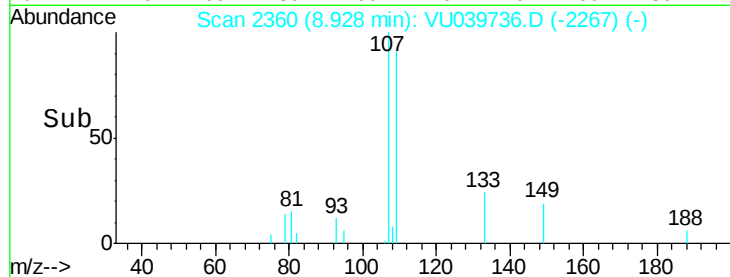
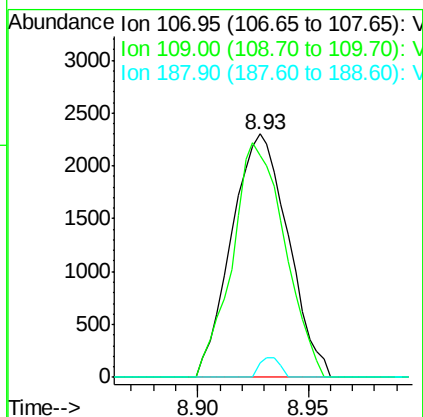
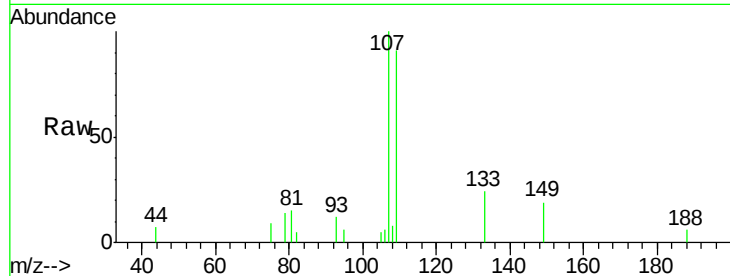




#50
1,2-Dibromoethane
Concen: 1.072 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. -0.00 min
Lab File: VU039736.D
Acq: 03 Aug 2020 13:39

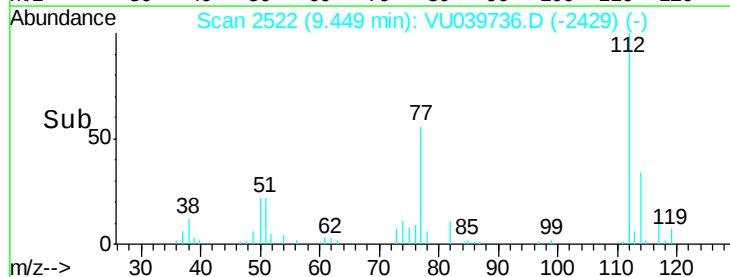
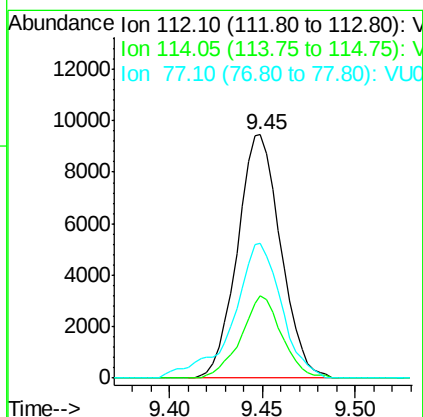
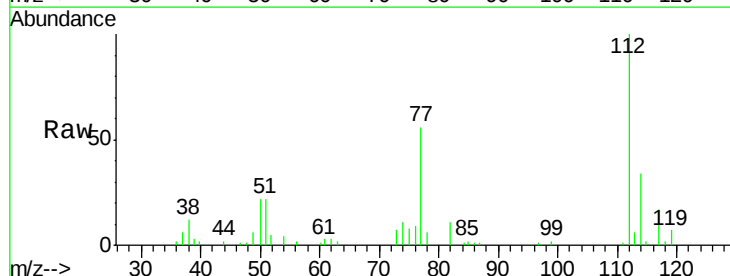
Instrument :
MSVOA_U
ClientSampleId :
VSTD00102

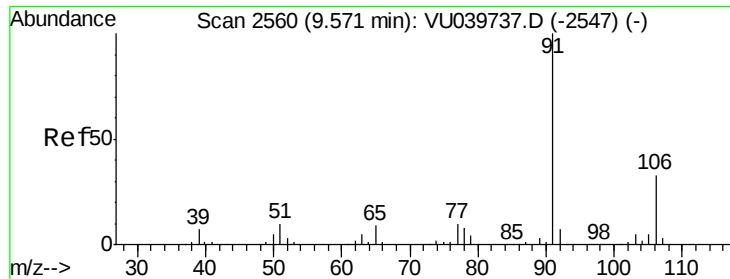
Tgt Ion:107 Resp: 4083
Ion Ratio Lower Upper
107 100
109 91.3 63.9 118.7
188 5.8 2.9 4.3#



#51
Chlorobenzene
Concen: 1.192 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU039736.D
Acq: 03 Aug 2020 13:39

Tgt Ion:112 Resp: 15361
Ion Ratio Lower Upper
112 100
114 33.8 23.2 43.0
77 55.6 47.8 71.6





#52

Ethylbenzene

Concen: 1.042 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU039736.D

Acq: 03 Aug 2020 13:39

Instrument :

MSVOA_U

ClientSampleId :

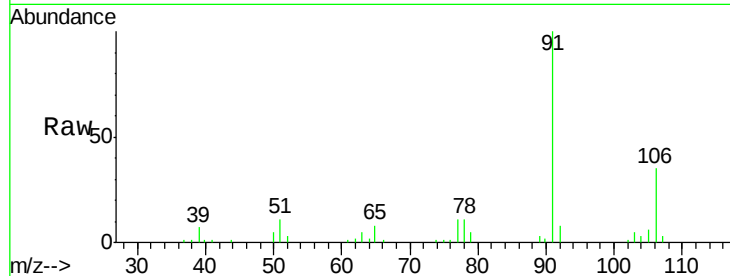
VSTD00102

Tgt Ion: 91 Resp: 23491

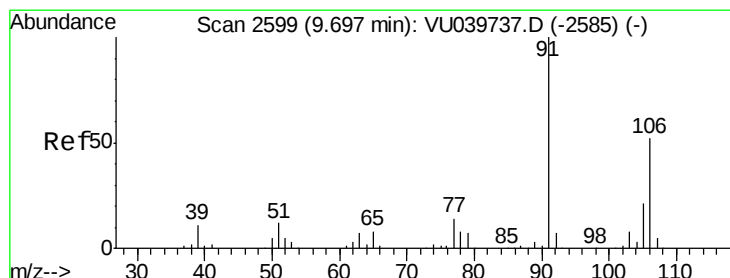
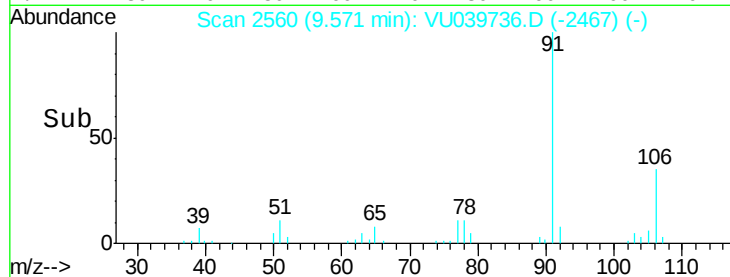
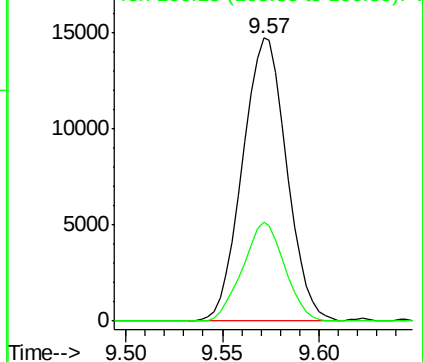
Ion Ratio Lower Upper

91 100

106 35.0 22.8 42.4



Abundance Ion 91.15 (90.85 to 91.85): VU039736.D (-2547) (-)



#53

m,p-Xylene

Concen: 1.041 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU039736.D

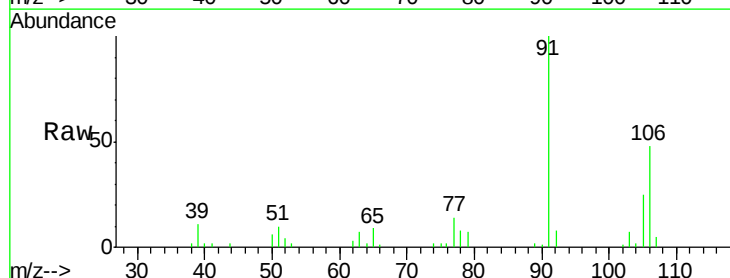
Acq: 03 Aug 2020 13:39

Tgt Ion: 106 Resp: 8857

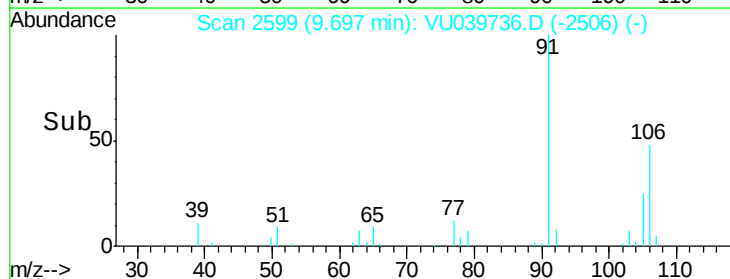
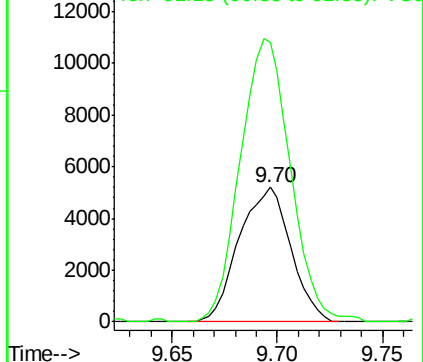
Ion Ratio Lower Upper

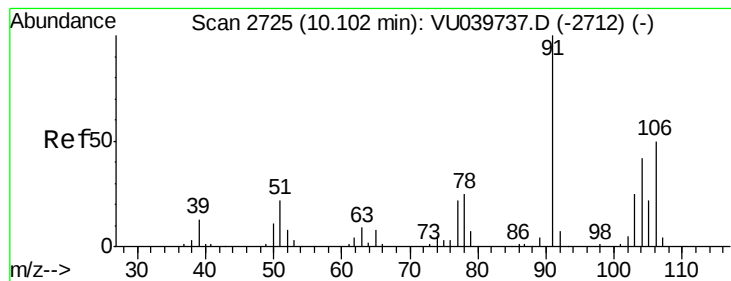
106 100

91 208.3 135.5 251.7



Abundance Ion 106.15 (105.85 to 106.85): VU039736.D (-2599) (-)





#54

o-Xylene

Concen: 0.984 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VU039736.D

Acq: 03 Aug 2020 13:39

Instrument :

MSVOA_U

ClientSampleId :

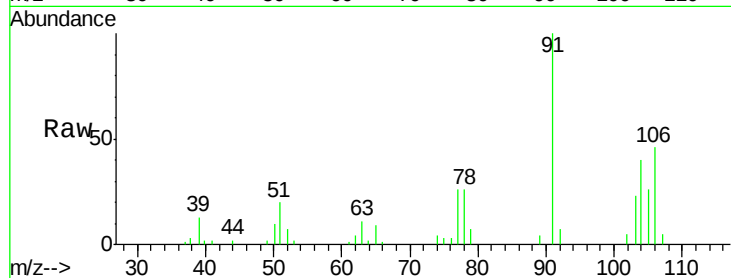
VSTD00102

Tgt Ion:106 Resp: 8183

Ion Ratio Lower Upper

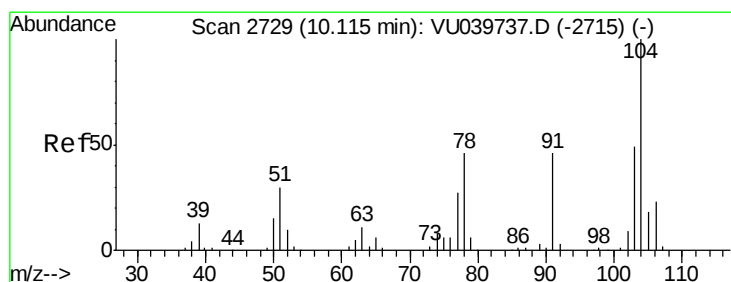
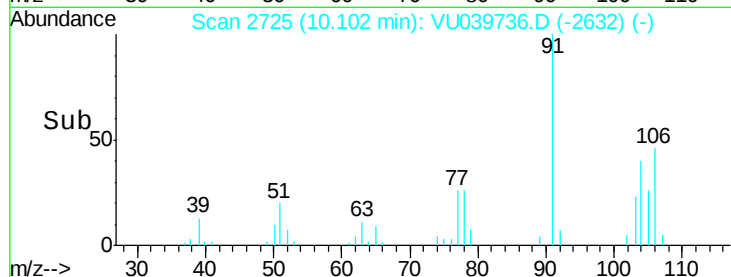
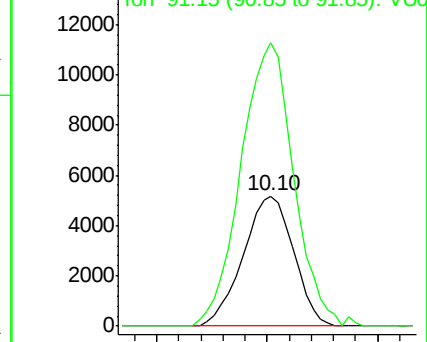
106 100

91 217.6 140.8 261.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 1.049 ug/L

RT: 10.11 min Scan# 2728

Delta R.T. -0.00 min

Lab File: VU039736.D

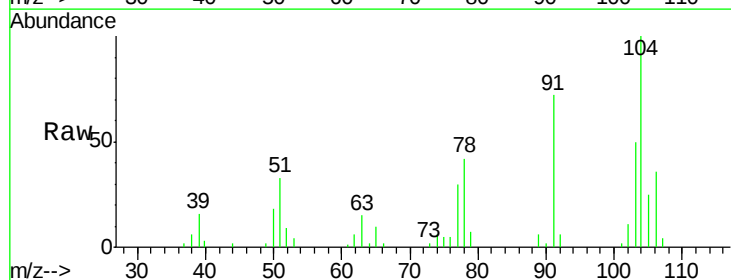
Acq: 03 Aug 2020 13:39

Tgt Ion:104 Resp: 14562

Ion Ratio Lower Upper

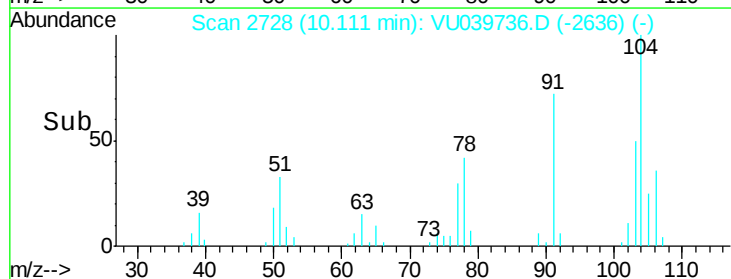
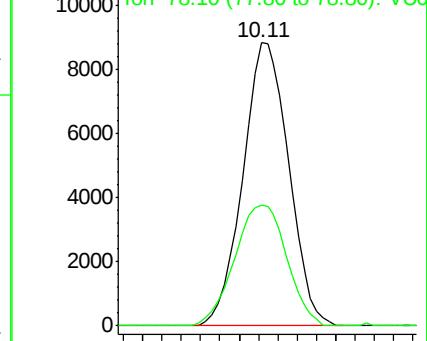
104 100

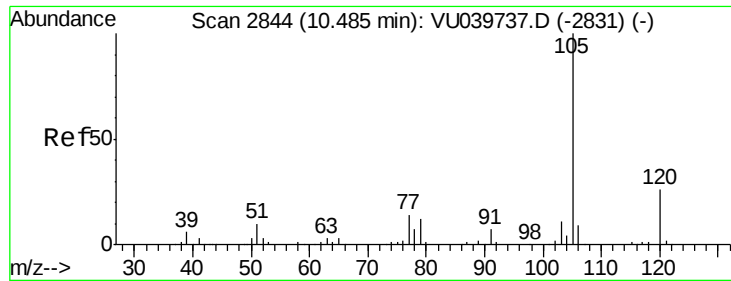
78 42.5 32.3 60.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 1.033 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039736.D

Acq: 03 Aug 2020 13:39

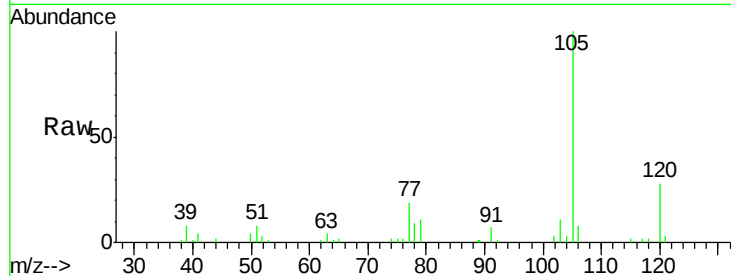
Instrument :

MSVOA_U

ClientSampleId :

VSTD00102

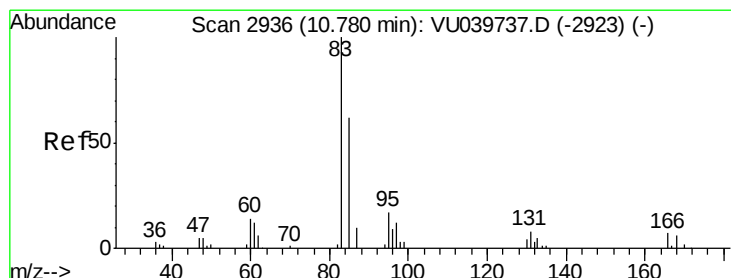
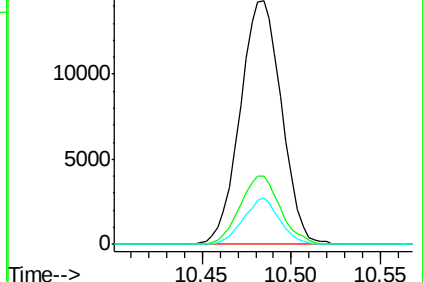
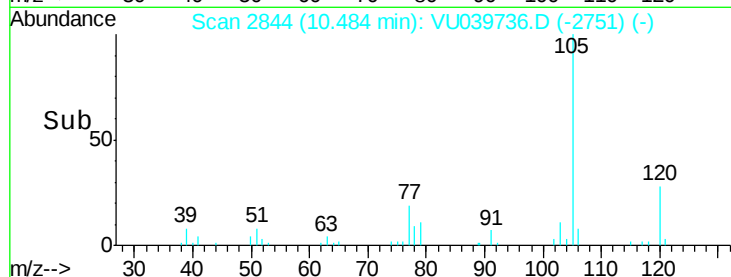
Tgt Ion:	105	Resp:	23225
Ion	Ratio	Lower	Upper
105	100		
120	27.2	21.0	31.6
77	16.6	12.9	19.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 1.217 ug/L

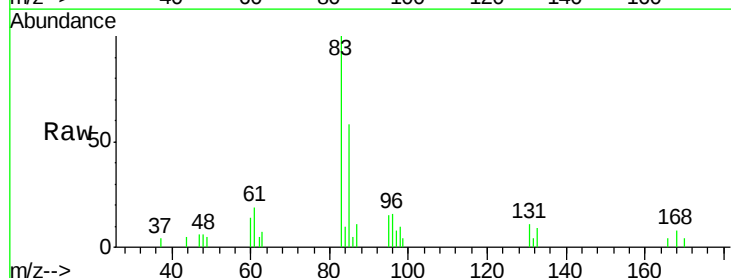
RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU039736.D

Acq: 03 Aug 2020 13:39

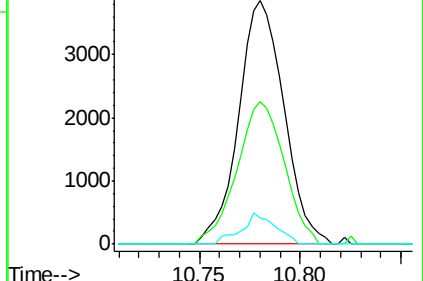
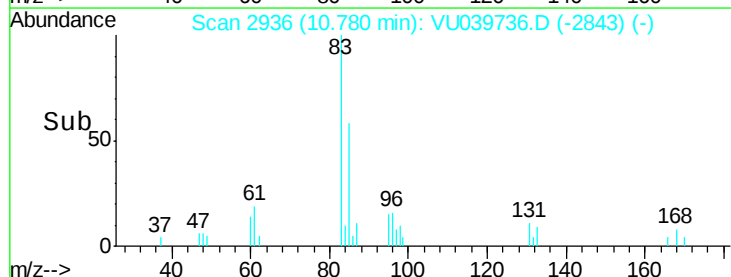
Tgt Ion:	83	Resp:	6080
Ion	Ratio	Lower	Upper
83	100		
85	58.5	44.4	82.4
131	10.8	7.4	11.0

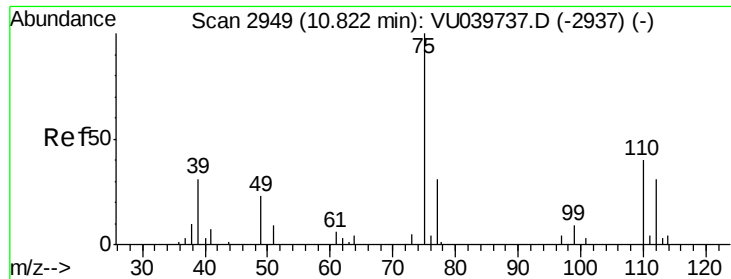


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

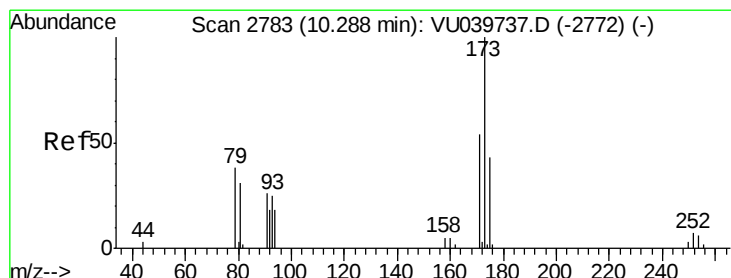
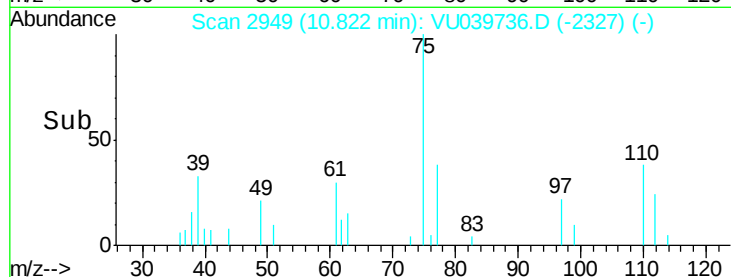
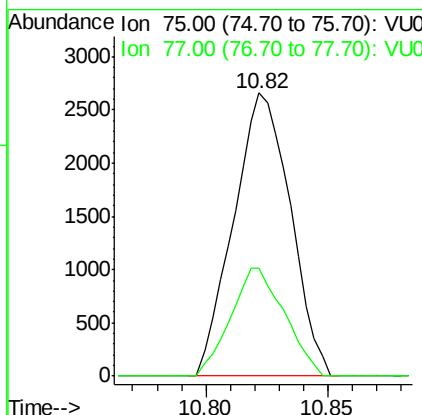
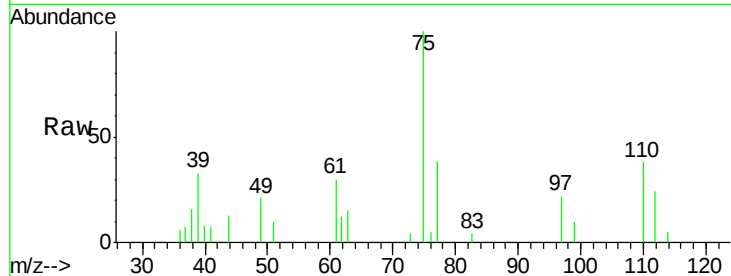




#59
 1,2,3-Trichloropropane
 Concen: 1.158 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. -0.00 min
 Lab File: VU039736.D
 Acq: 03 Aug 2020 13:39

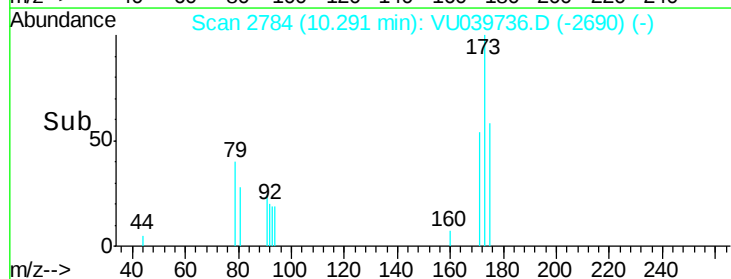
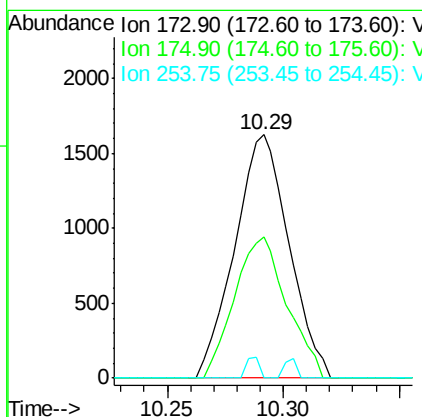
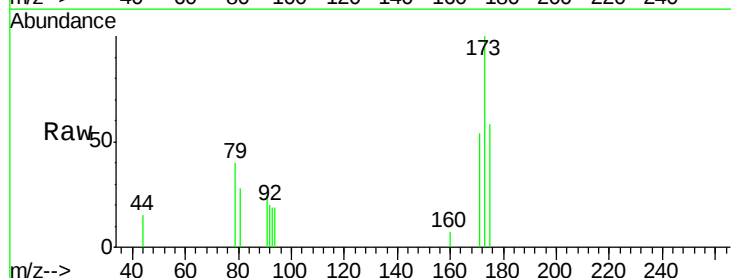
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00102

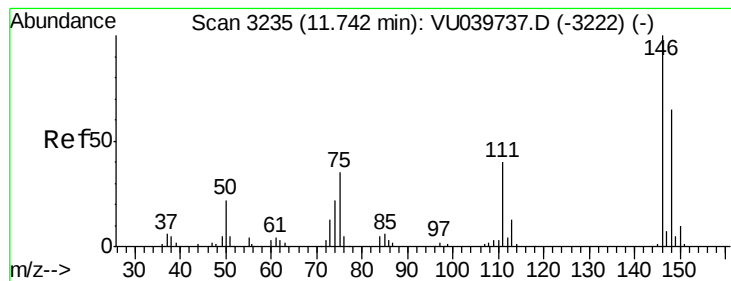
Tgt Ion: 75 Resp: 4286
 Ion Ratio Lower Upper
 75 100
 77 36.2 24.6 37.0



#61
 Bromoform
 Concen: 0.973 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU039736.D
 Acq: 03 Aug 2020 13:39

Tgt Ion: 173 Resp: 2637
 Ion Ratio Lower Upper
 173 100
 175 55.8 33.8 50.8#
 254 2.0 5.5 8.3#





#62

1,3-Dichlorobenzene

Concen: 1.153 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU039736.D

Acq: 03 Aug 2020 13:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD00102

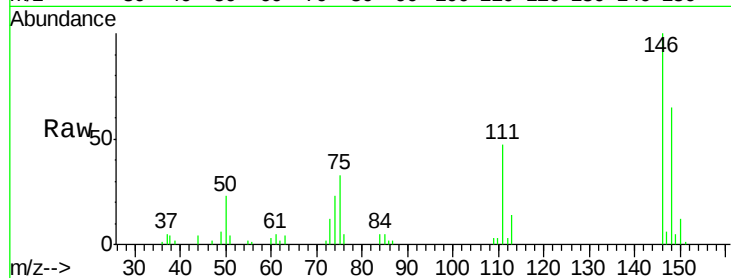
Tgt Ion:146 Resp: 12259

Ion Ratio Lower Upper

146 100

111 47.4 27.7 51.5

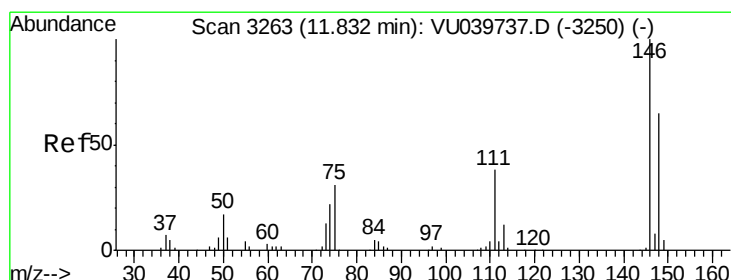
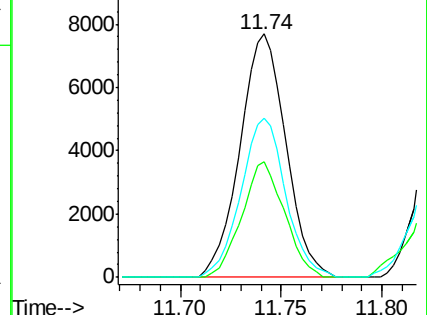
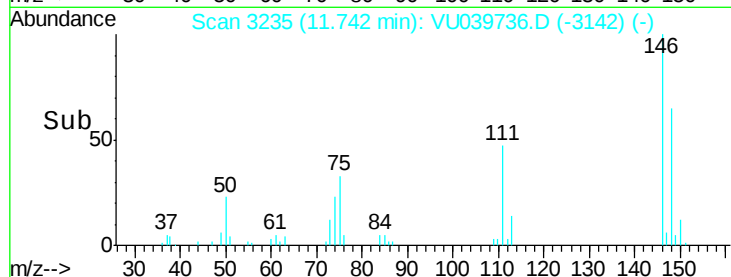
148 65.3 45.2 84.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 1.158 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU039736.D

Acq: 03 Aug 2020 13:39

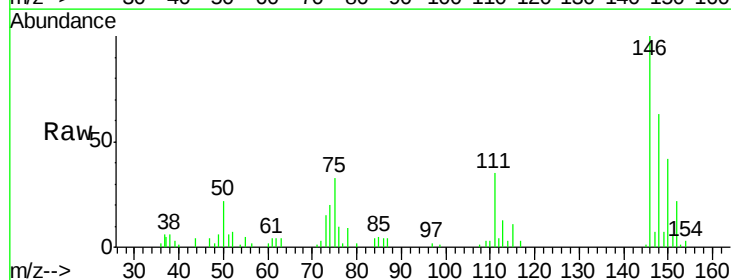
Tgt Ion:146 Resp: 12547

Ion Ratio Lower Upper

146 100

111 35.1 26.5 49.3

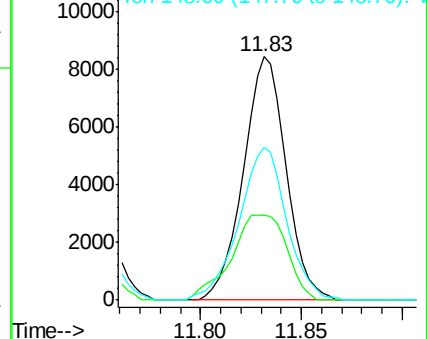
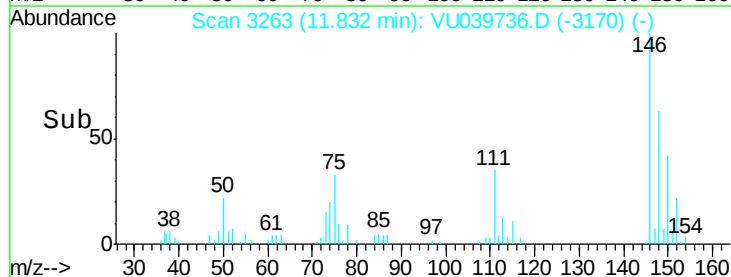
148 62.6 45.3 84.1

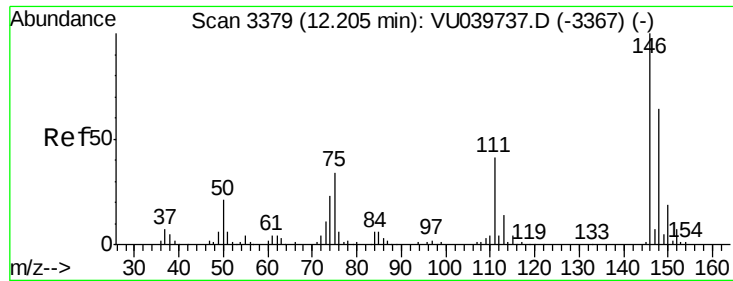


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 1.147 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU039736.D

Acq: 03 Aug 2020 13:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD00102

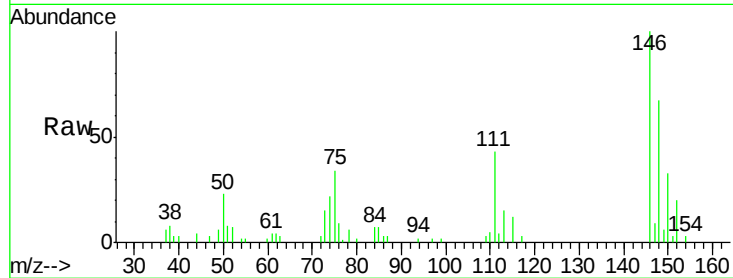
Tgt Ion: 146 Resp: 11796

Ion Ratio Lower Upper

146 100

111 43.3 33.1 49.7

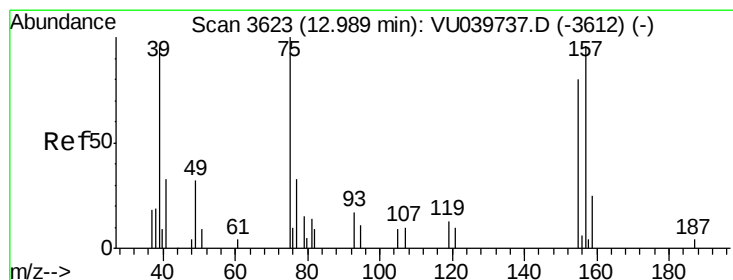
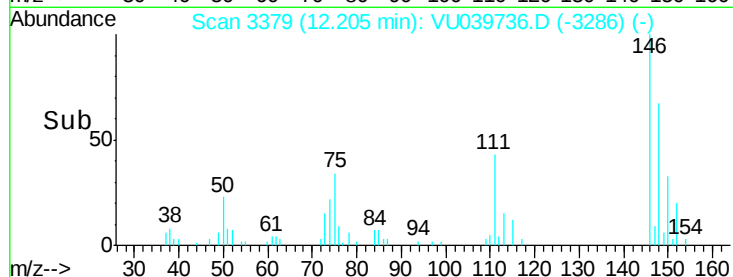
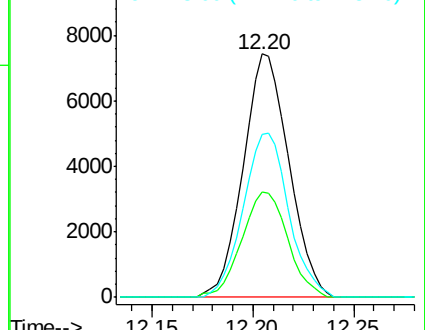
148 66.7 51.5 77.3



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: 1.233 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU039736.D

Acq: 03 Aug 2020 13:39

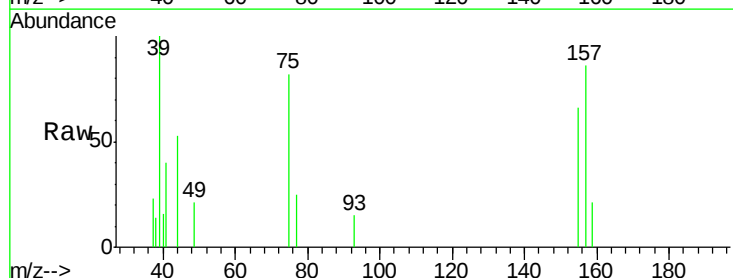
Tgt Ion: 75 Resp: 936

Ion Ratio Lower Upper

75 100

155 80.2 64.0 96.0

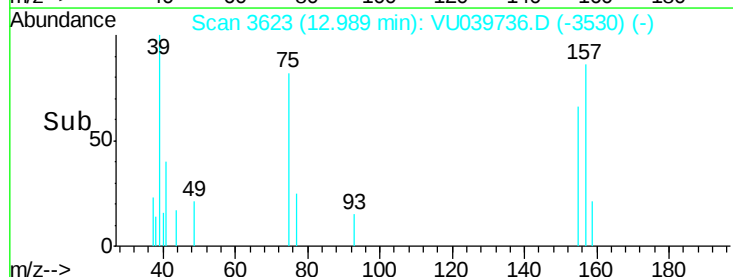
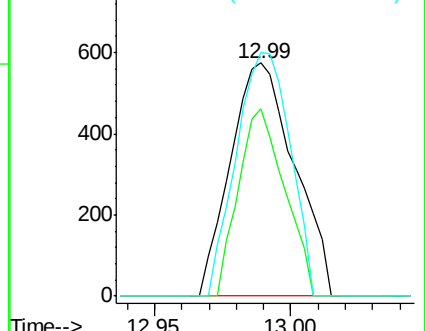
157 104.3 77.0 115.6

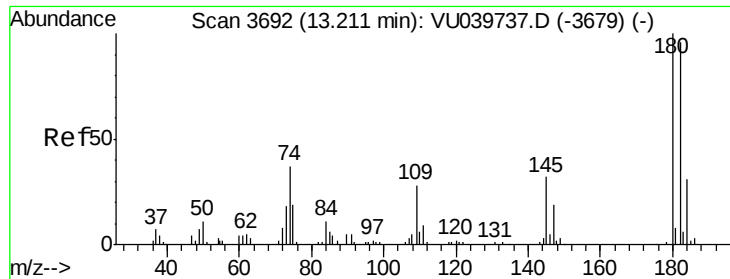


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

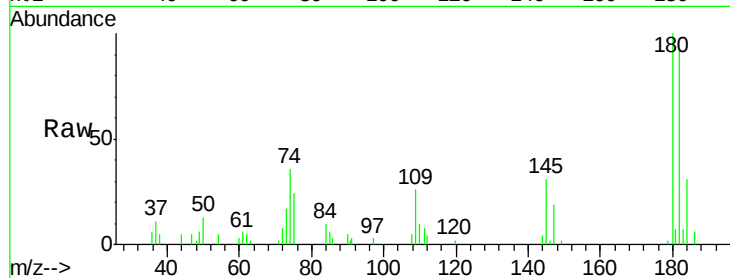




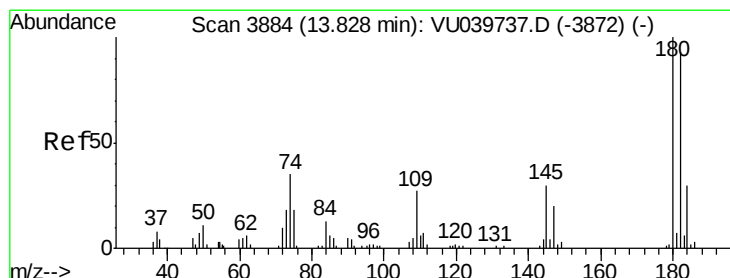
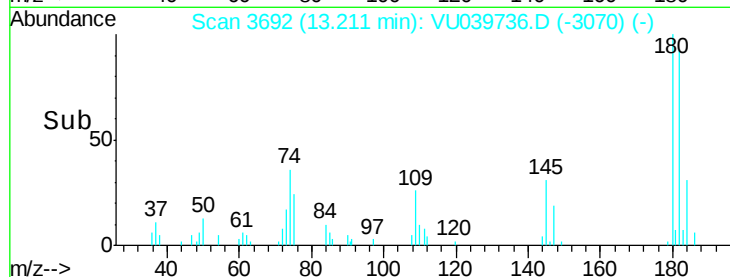
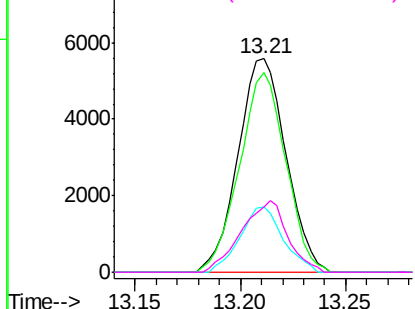
#67
 1,3,5-Trichlorobenzene
 Concen: 1.156 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU039736.D
 Acq: 03 Aug 2020 13:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00102

Tgt Ion:180 Resp: 8829
 Ion Ratio Lower Upper
 180 100
 182 89.9 74.9 112.3
 184 27.5 25.3 37.9
 145 32.4 25.0 37.6

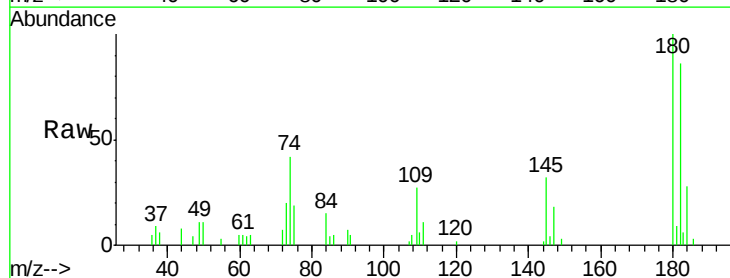


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

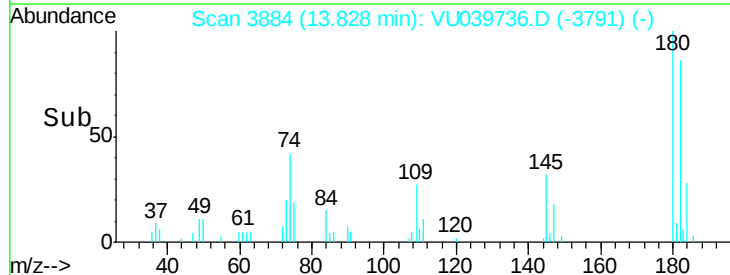
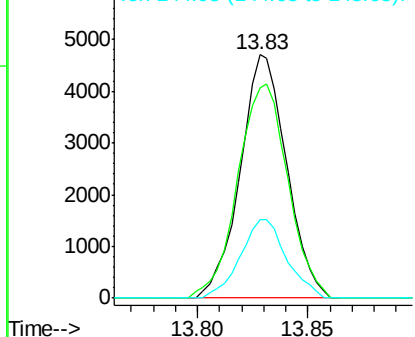


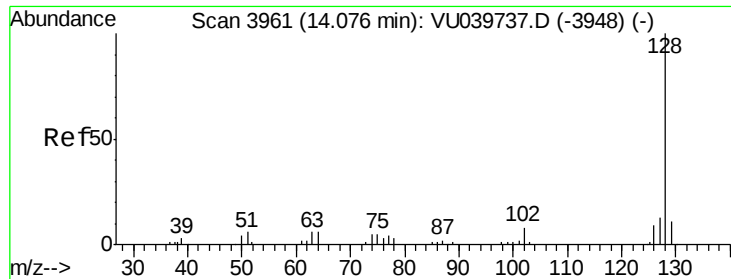
#68
 1,2,4-trichlorobenzene
 Concen: 1.076 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU039736.D
 Acq: 03 Aug 2020 13:39

Tgt Ion:180 Resp: 6877
 Ion Ratio Lower Upper
 180 100
 182 95.1 75.7 113.5
 145 32.2 25.1 37.7



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: 1.066 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU039736.D

Acq: 03 Aug 2020 13:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD00102

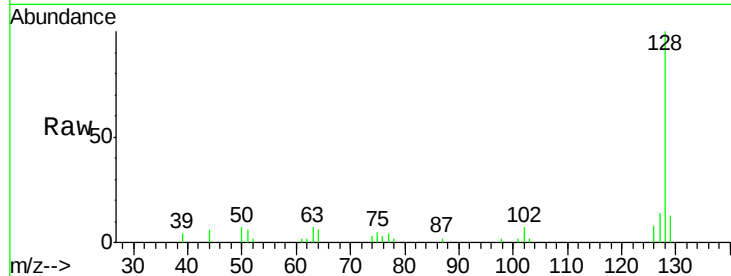
Tgt Ion:128 Resp: 11691

Ion Ratio Lower Upper

128 100

129 10.4 8.9 13.3

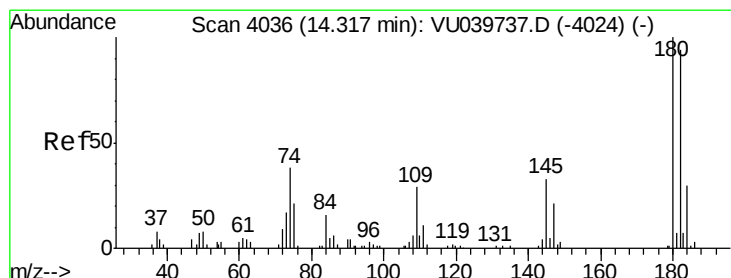
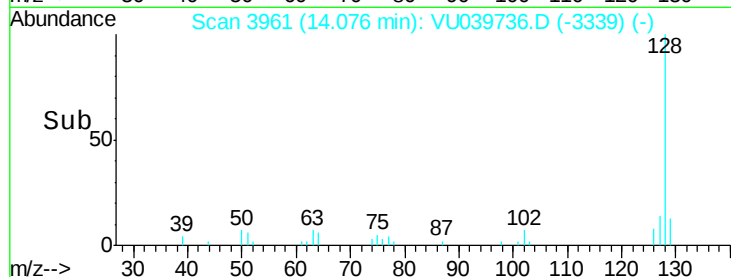
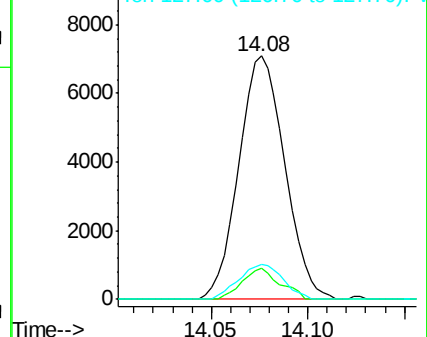
127 13.8 10.1 15.1



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: 1.033 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU039736.D

Acq: 03 Aug 2020 13:39

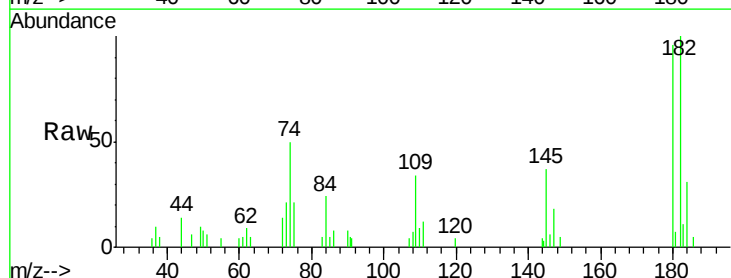
Tgt Ion:180 Resp: 5953

Ion Ratio Lower Upper

180 100

182 99.8 76.1 114.1

145 34.4 27.4 41.0



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

