

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU063020\
 Data File : VU039236.D
 Acq On : 30 Jun 2020 13:52
 Operator : SY/MD
 Sample : VSTD00104
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

Quant Time: Jun 30 14:56:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR063020WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 30 14:53:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	212336	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	213120	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	117722	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	14873	0.81	ug/L	0.00
7) Chloroethane-d5	1.93	69	14463	0.98	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.60	63	30132	0.87	ug/L	0.00
20) 2-Butanone-d5	4.68	46	57862	9.92	ug/L	0.00
24) Chloroform-d	5.10	84	32116	0.96	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	20654	0.98	ug/L	0.00
32) Benzene-d6	5.76	84	56817	0.90	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	21742	1.08	ug/L	0.00
41) Toluene-d8	7.92	98	44302	0.81	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	9267	0.99	ug/L	0.00
46) 2-Hexanone-d5	8.66	63	38242	8.83	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	19402	1.06	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	22484	0.93	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	22063	1.074 ug/L	100
3) Chloromethane	1.53	50	21436	1.013 ug/L	99
5) Vinyl chloride	1.62	62	22043	1.042 ug/L	96
6) Bromomethane	1.88	94	11015	0.981 ug/L	100
8) Chloroethane	1.95	64	16928	1.311 ug/L	90
9) Trichlorofluoromethane	2.16	101	37060	1.250 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	17124	1.064 ug/L	98
12) 1,1-Dichloroethene	2.61	96	16764	1.087 ug/L	86
13) Acetone	2.68	43	37832	10.584 ug/L	68
14) Carbon disulfide	2.82	76	53808	1.007 ug/L	99
15) Methyl Acetate	2.99	43	8306	0.943 ug/L	97
16) Methylene chloride	3.08	84	23564	1.274 ug/L	98
17) Methyl tert-butyl Ether	3.40	73	40985	0.994 ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	16253	0.998 ug/L	93
19) 1,1-Dichloroethane	3.91	63	31126	1.004 ug/L	99
21) 2-Butanone	4.76	43	55775	9.923 ug/L #	70
22) cis-1,2-Dichloroethene	4.71	96	17147	1.047 ug/L	99
23) Bromochloromethane	5.01	128	7790	0.982 ug/L #	94
25) Chloroform	5.13	83	33872	1.090 ug/L	94
27) 1,2-Dichloroethane	5.83	62	24863	1.080 ug/L	98
29) 1,1,1-Trichloroethane	5.35	97	30043	1.081 ug/L	99
30) Cyclohexane	5.42	56	24184	0.938 ug/L	96
31) Carbon tetrachloride	5.56	117	25963	1.109 ug/L	96
33) Benzene	5.81	78	66951	1.007 ug/L	100
34) Trichloroethene	6.57	95	19398	1.140 ug/L	96
35) Methylcyclohexane	6.79	83	25994	1.030 ug/L	96
37) 1,2-Dichloropropane	6.82	63	19221	1.094 ug/L	97
38) Bromodichloromethane	7.13	83	24058	1.052 ug/L	98
39) cis-1,3-Dichloropropene	7.63	75	24020	0.955 ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	121322	9.578 ug/L	98

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 VSTD00104

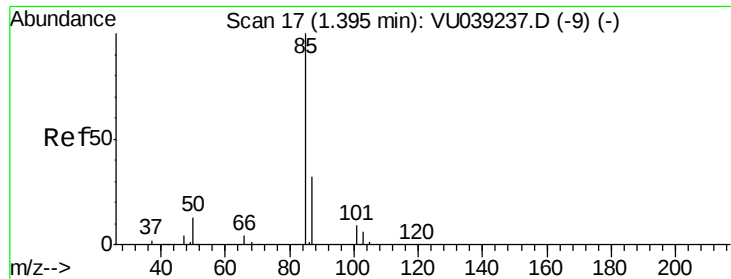
Quant Time: Jun 30 14:56:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR063020WMA.M
 Quant Title : TRACE VOA SOM01.0
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.99	91	69740	1.051	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	24789	0.999	ug/L	96
45) 1,1,2-Trichloroethane	8.42	97	14727	1.123	ug/L	92
47) Tetrachloroethene	8.57	164	12963	1.060	ug/L	94
48) 2-Hexanone	8.71	43	103530	10.661	ug/L	98
49) Dibromochloromethane	8.83	129	15592	1.028	ug/L	98
50) 1,2-Dibromoethane	8.94	107	12390	0.966	ug/L #	99
51) Chlorobenzene	9.47	112	43541	1.011	ug/L	99
52) Ethylbenzene	9.59	91	68219	0.944	ug/L	99
53) m,p-Xylene	9.71	106	25277	0.946	ug/L	99
54) o-Xylene	10.11	106	23704	0.930	ug/L	96
55) Styrene	10.13	104	41223	0.932	ug/L	94
56) Isopropylbenzene	10.50	105	64890	0.989	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	17995	1.084	ug/L	90
59) 1,2,3-Trichloropropane	10.84	75	14487	1.124	ug/L	98
61) Bromoform	10.30	173	8876	0.941	ug/L #	93
62) 1,3-Dichlorobenzene	11.76	146	39035	1.047	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	39501	1.050	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	38326	1.070	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.01	75	3112	0.871	ug/L #	91
67) 1,3,5-Trichlorobenzene	13.24	180	23384	0.861	ug/L	97
68) 1,2,4-trichlorobenzene	13.87	180	18923	0.805	ug/L	98
69) Naphthalene	14.11	128	31434	0.704	ug/L	97
70) 1,2,3-Trichlorobenzene	14.36	180	18555	0.827	ug/L	98

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

```
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Sample    : VSTD00104
Misc      : 25.0mL/MSV0A_U/WATER
ALS Vial  : 1      Sample Multiplier: 1
```



#2

Dichlorodifluoromethane

Concen: 1.074 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU039236.D

Acq: 30 Jun 2020 13:52

Instrument :

MSVOA_U

ClientSampleId :

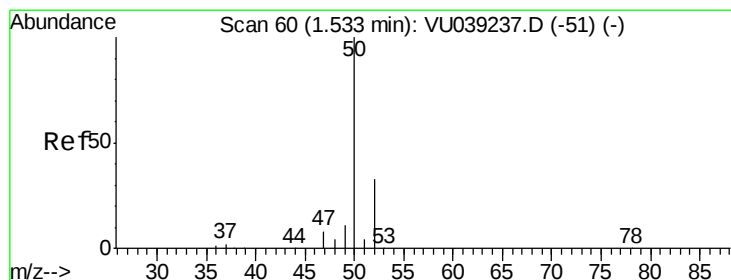
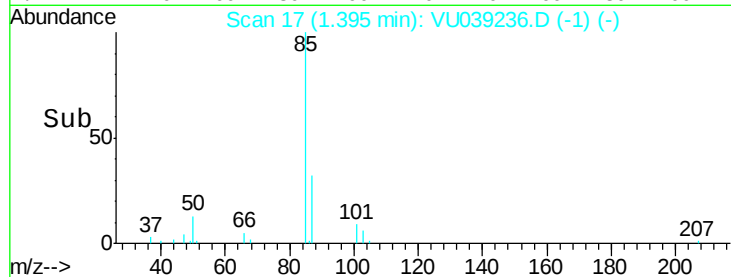
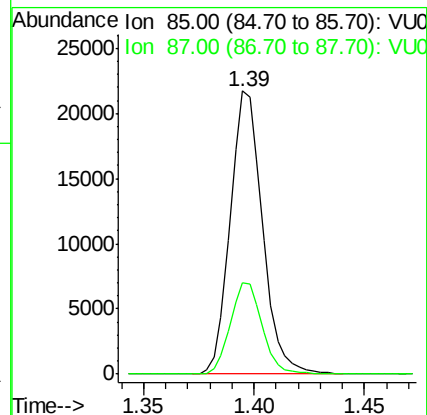
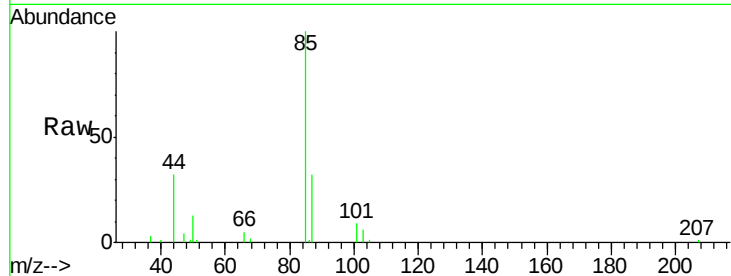
VSTD00104

Tgt Ion: 85 Resp: 22063

Ion Ratio Lower Upper

85 100

87 31.7 25.3 37.9



#3

Chloromethane

Concen: 1.013 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU039236.D

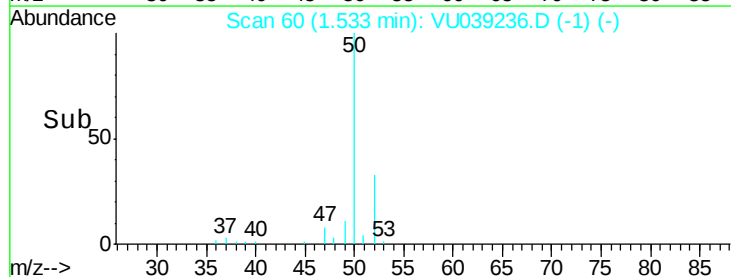
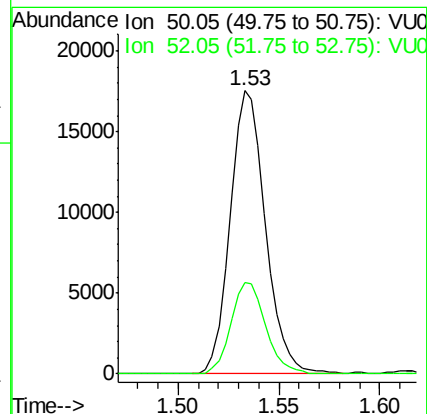
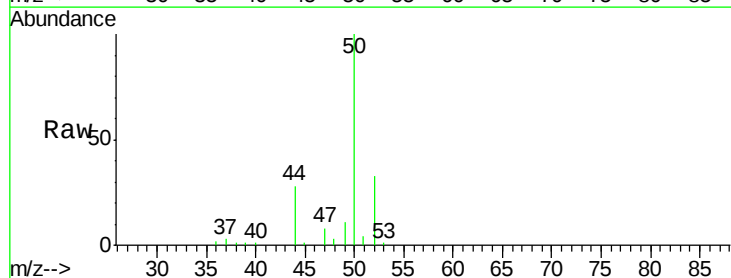
Acq: 30 Jun 2020 13:52

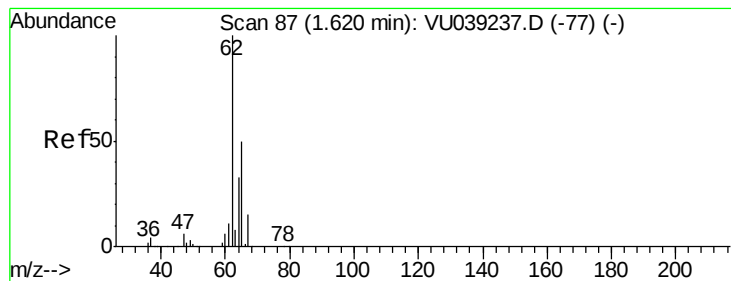
Tgt Ion: 50 Resp: 21436

Ion Ratio Lower Upper

50 100

52 32.5 23.1 42.9





#5

Vinyl chloride

Concen: 1.042 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU039236.D

Acq: 30 Jun 2020 13:52

Instrument :

MSVOA_U

ClientSampleId :

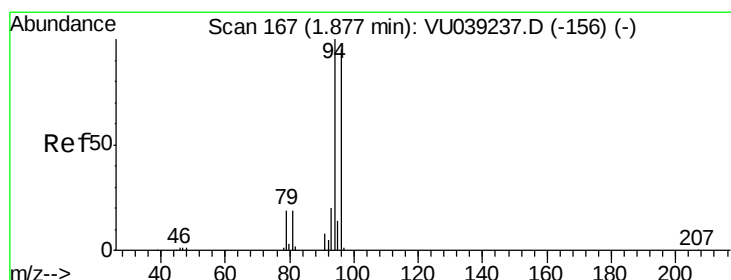
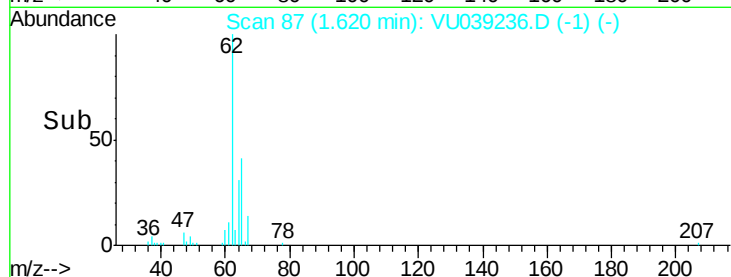
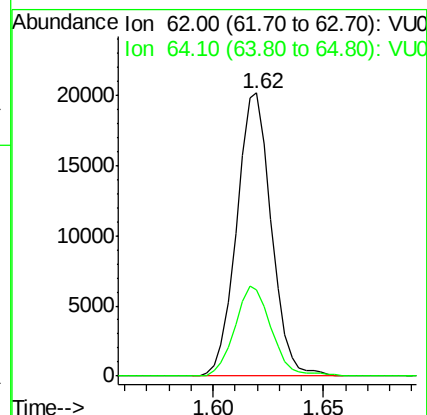
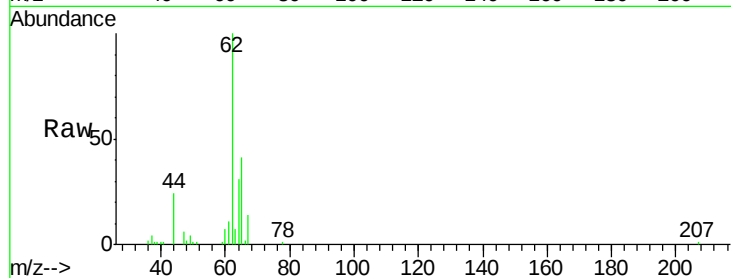
VSTD00104

Tgt Ion: 62 Resp: 22043

Ion Ratio Lower Upper

62 100

64 30.6 22.8 42.4



#6

Bromomethane

Concen: 0.981 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU039236.D

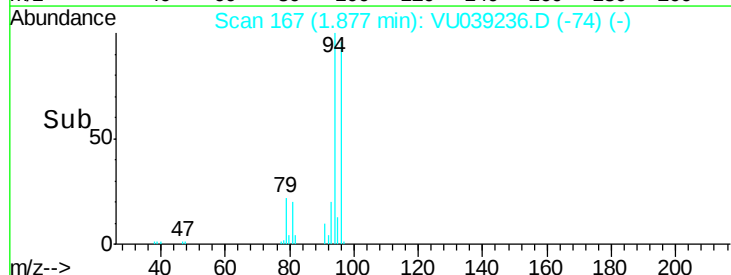
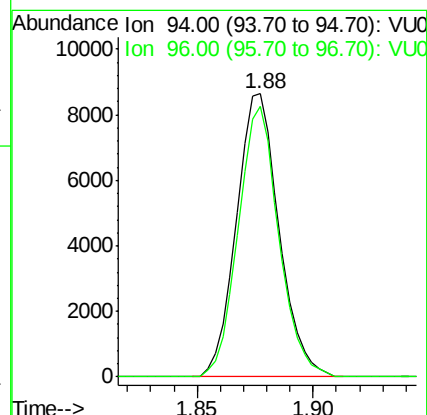
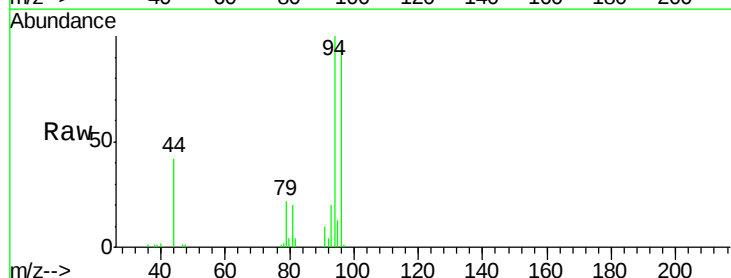
Acq: 30 Jun 2020 13:52

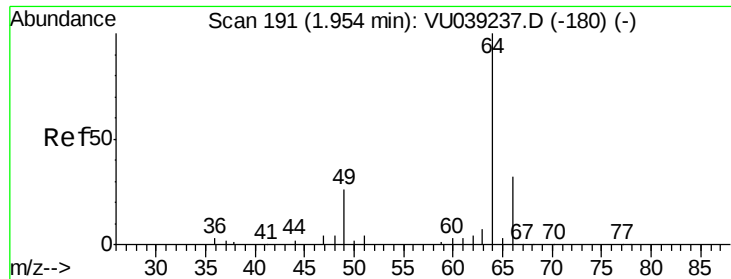
Tgt Ion: 94 Resp: 11015

Ion Ratio Lower Upper

94 100

96 95.6 66.7 123.9





#8

Chloroethane

Concen: 1.311 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU039236.D

Acq: 30 Jun 2020 13:52

Instrument :

MSVOA_U

ClientSampleId :

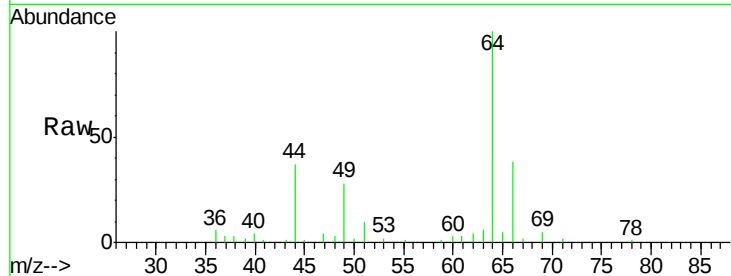
VSTD00104

Tgt Ion: 64 Resp: 16928

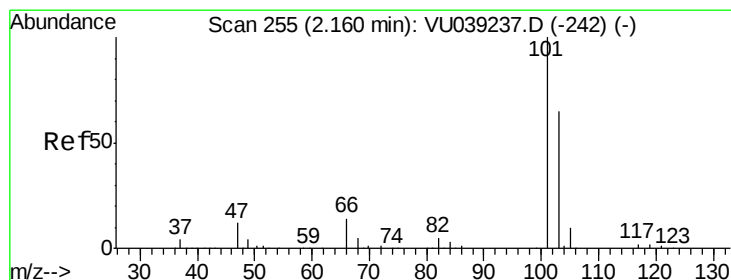
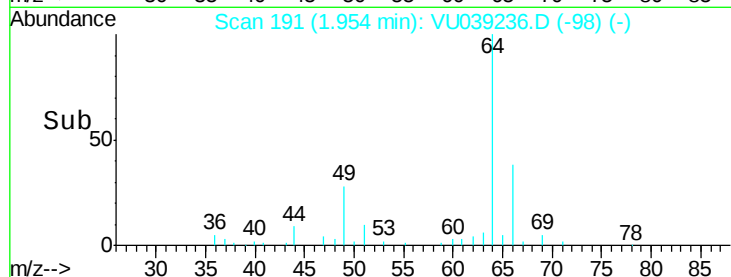
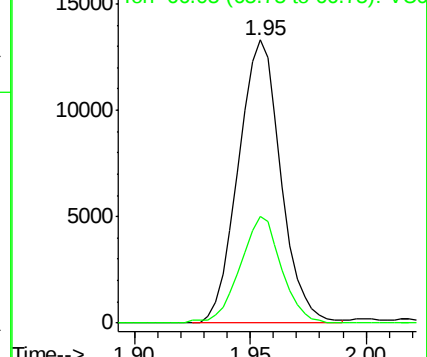
Ion Ratio Lower Upper

64 100

66 37.8 22.6 42.0



Abundance Ion 64.10 (63.80 to 64.80): VU039237.D (-180) (-)



#9

Trichlorofluoromethane

Concen: 1.250 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU039236.D

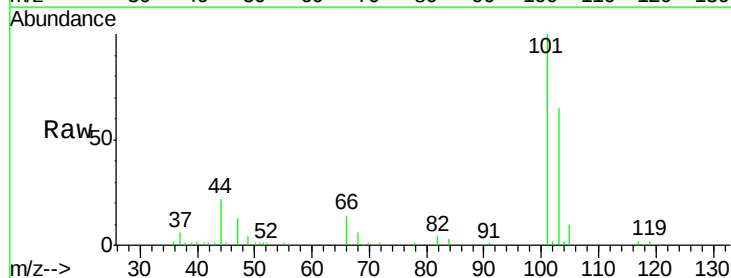
Acq: 30 Jun 2020 13:52

Tgt Ion: 101 Resp: 37060

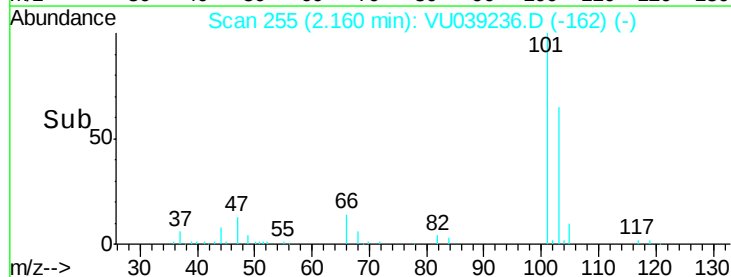
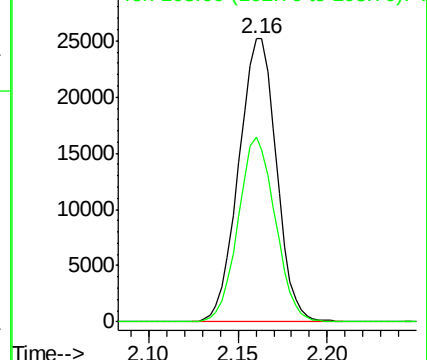
Ion Ratio Lower Upper

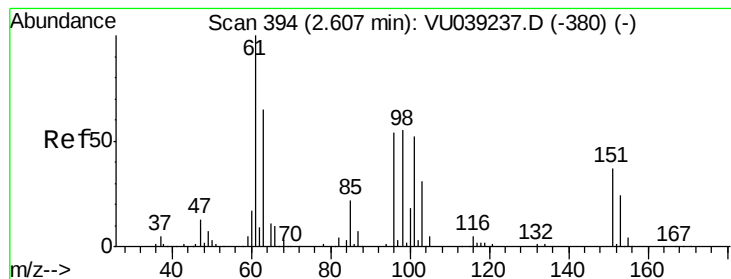
101 100

103 64.1 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): VU039237.D (-242) (-)





#10

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

Concen: 1.064 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU039236.D

Acq: 30 Jun 2020 13:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD00104

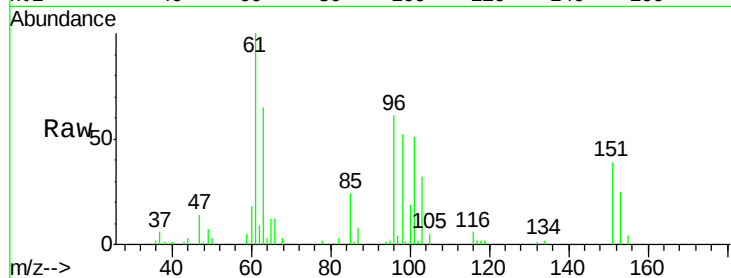
Tgt Ion: 101 Resp: 17124

Ion Ratio Lower Upper

101 100

85 46.8 34.7 52.1

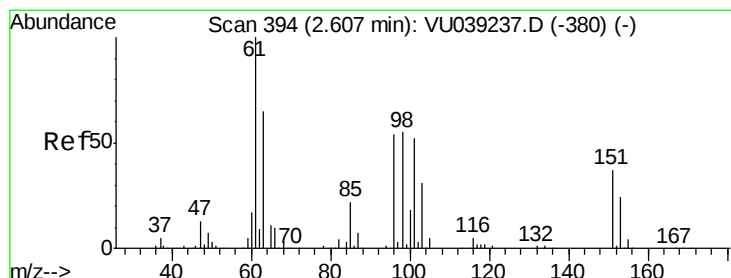
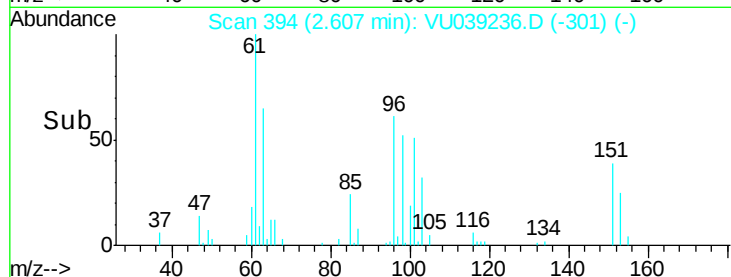
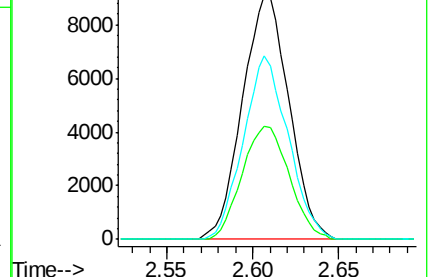
151 72.1 57.4 86.2



Abundance Ion 101.00 (100.70 to 101.70): VU039237.D (-380) (-)

Ion 85.00 (84.70 to 85.70): VU039237.D (-380) (-)

Ion 151.00 (150.70 to 151.70): VU039237.D (-380) (-)



#12

1,1-Dichloroethene

Concen: 1.087 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU039236.D

Acq: 30 Jun 2020 13:52

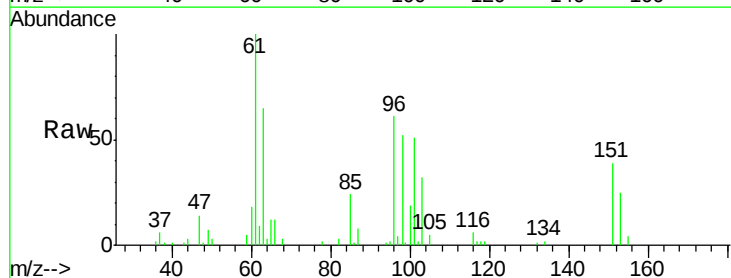
Tgt Ion: 96 Resp: 16764

Ion Ratio Lower Upper

96 100

61 163.7 129.1 239.7

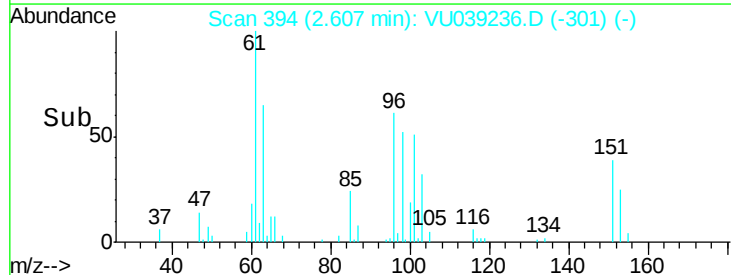
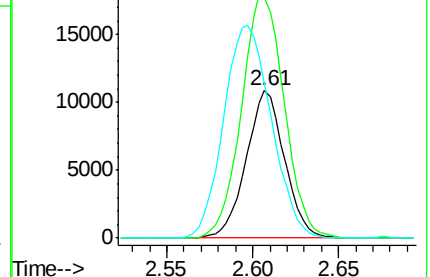
63 105.8 85.5 158.7

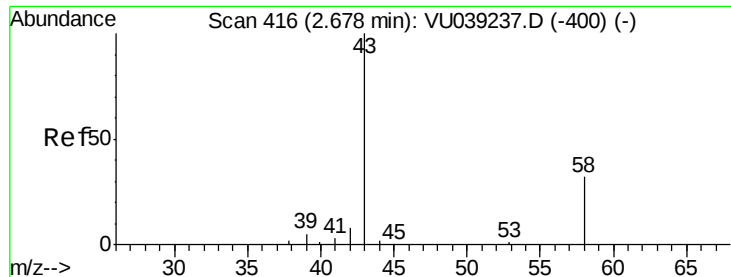


Abundance Ion 96.00 (95.70 to 96.70): VU039236.D (-301) (-)

Ion 61.05 (60.75 to 61.75): VU039236.D (-301) (-)

Ion 63.00 (62.70 to 63.70): VU039236.D (-301) (-)





#13

Acetone

Concen: 10.584 ug/L

RT: 2.68 min Scan# 418

Delta R.T. 0.01 min

Lab File: VU039236.D

Acq: 30 Jun 2020 13:52

Instrument :

MSVOA_U

ClientSampleId :

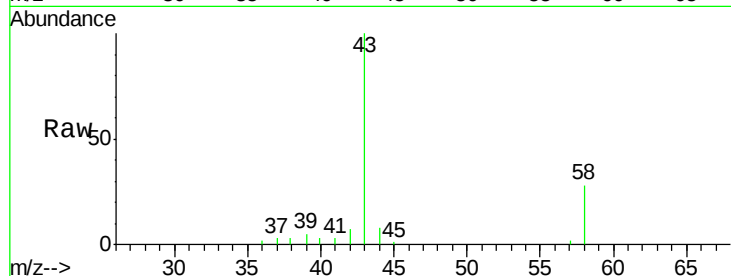
VSTD00104

Tgt Ion: 43 Resp: 37832

Ion Ratio Lower Upper

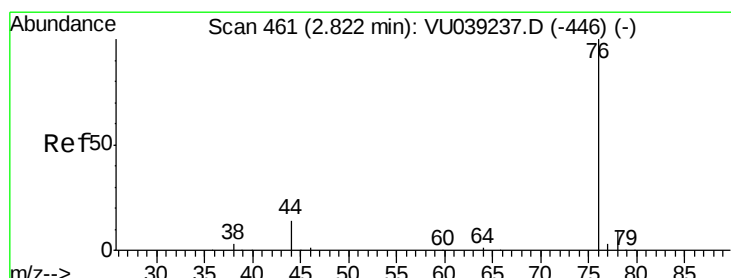
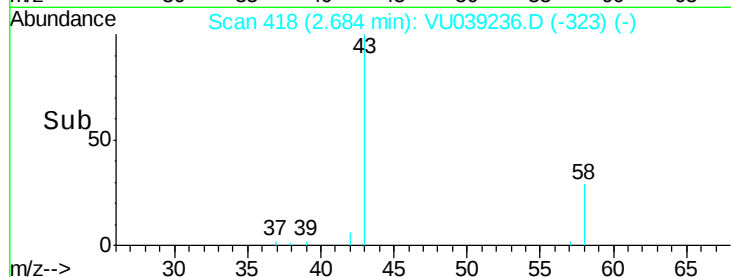
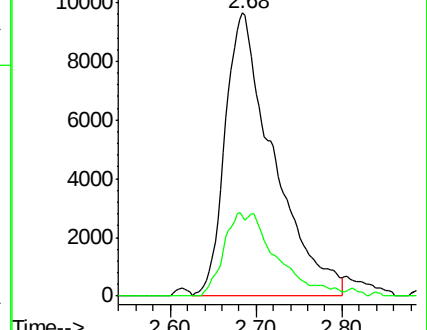
43 100

58 13.1 0.0 61.0



Abundance Ion 43.05 (42.75 to 43.75): VU039237.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU039237.D (-400) (-)



#14

Carbon disulfide

Concen: 1.007 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU039236.D

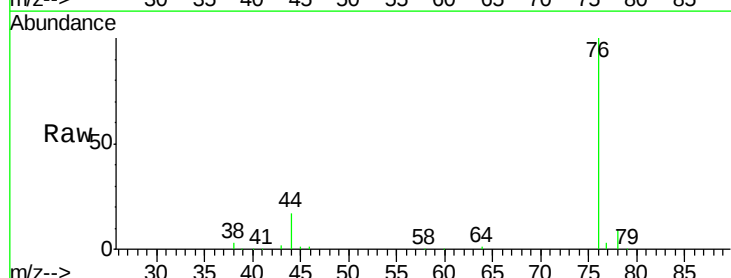
Acq: 30 Jun 2020 13:52

Tgt Ion: 76 Resp: 53808

Ion Ratio Lower Upper

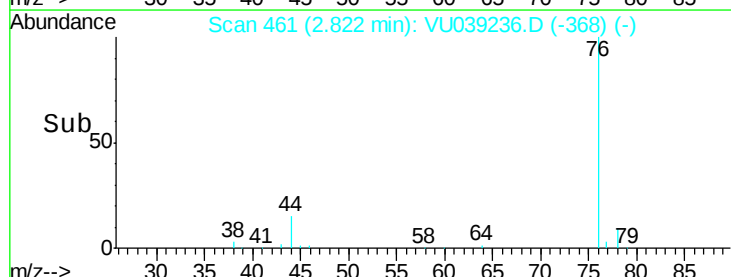
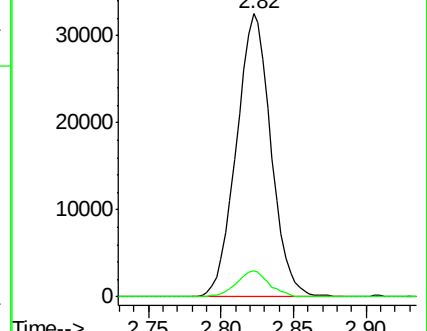
76 100

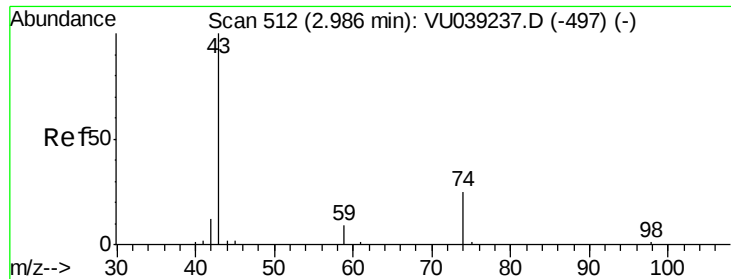
78 9.2 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU039237.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU039237.D (-446) (-)

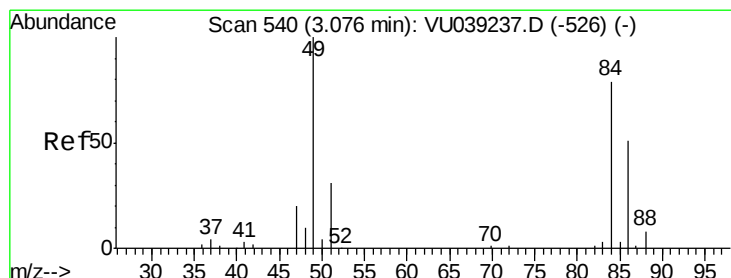
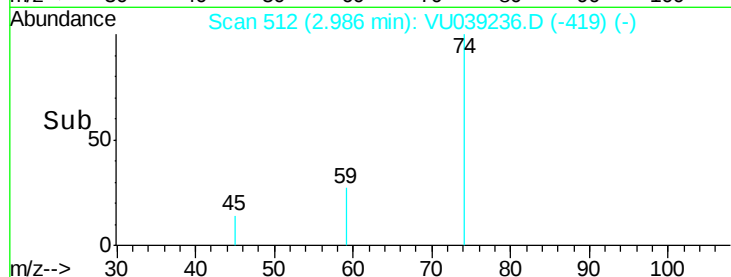
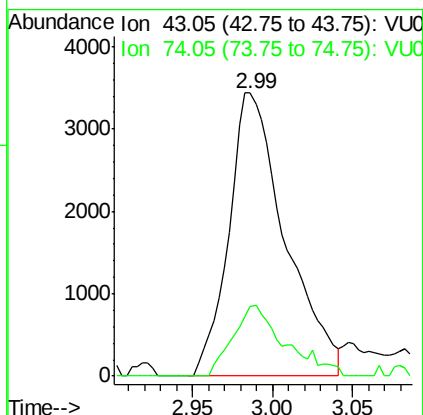
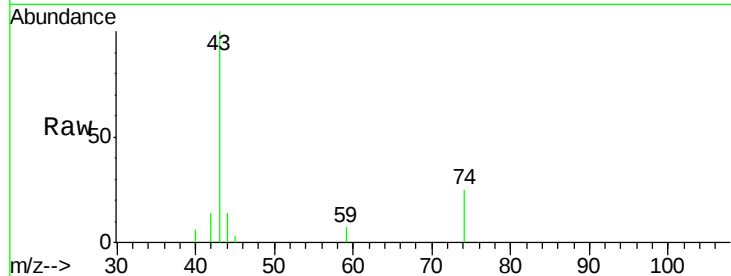




#15
Methyl Acetate
Concen: 0.943 ug/L
RT: 2.99 min Scan# 512
Delta R.T. 0.00 min
Lab File: VU039236.D
Acq: 30 Jun 2020 13:52

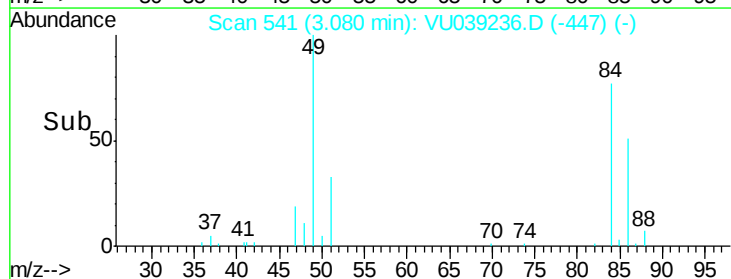
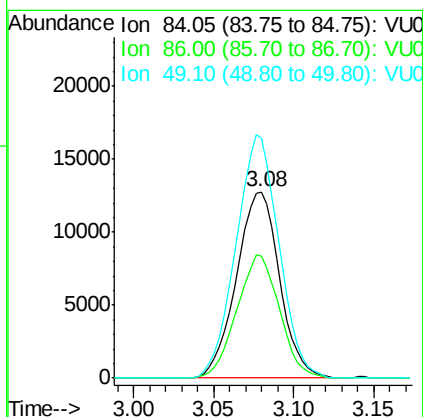
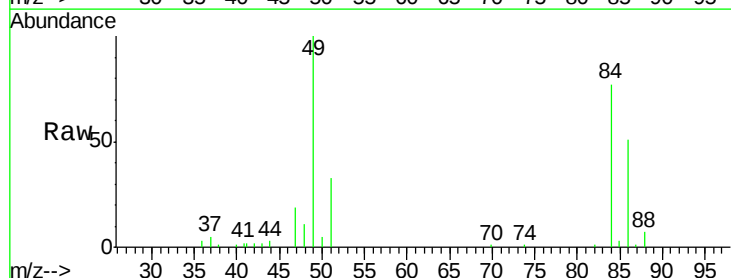
Instrument :
MSVOA_U
ClientSampleId :
VSTD00104

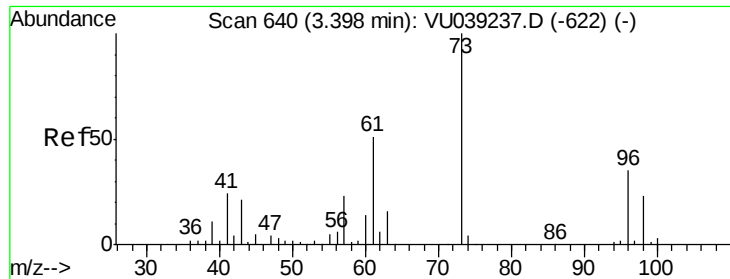
Tgt Ion: 43 Resp: 8306
Ion Ratio Lower Upper
43 100
74 23.1 19.6 29.4



#16
Methylene chloride
Concen: 1.274 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU039236.D
Acq: 30 Jun 2020 13:52

Tgt Ion: 84 Resp: 23564
Ion Ratio Lower Upper
84 100
86 65.5 44.9 83.5
49 129.1 88.4 164.2

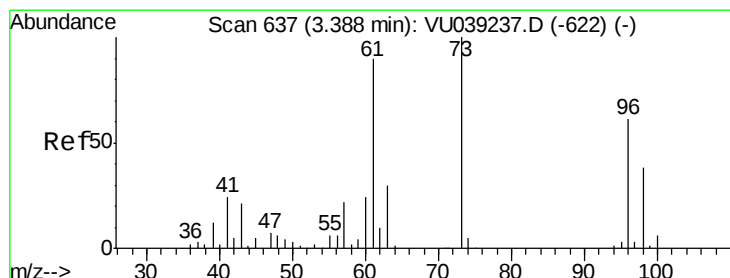
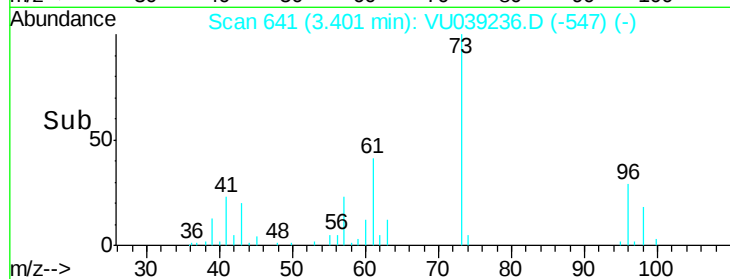
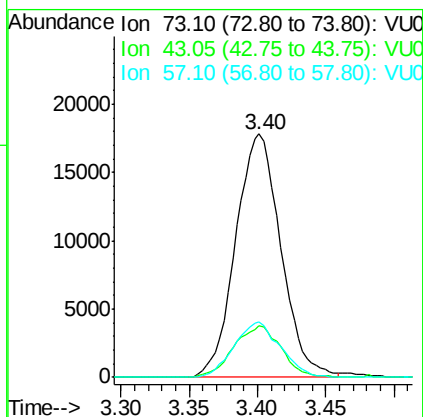
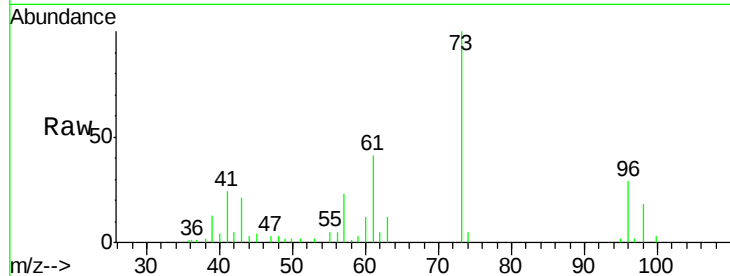




#17
Methyl tert-butyl Ether
Concen: 0.994 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU039236.D
Acq: 30 Jun 2020 13:52

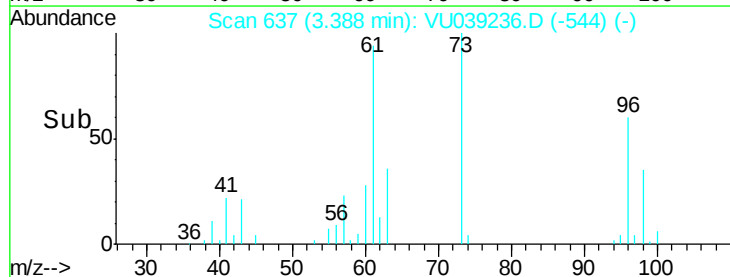
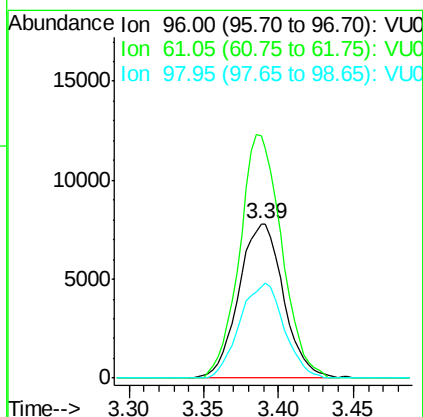
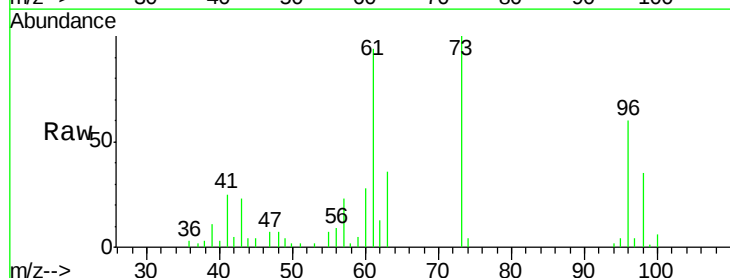
Instrument :
MSVOA_U
ClientSampleId :
VSTD00104

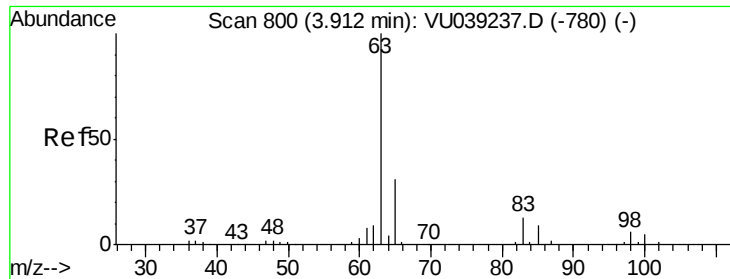
Tgt Ion: 73 Resp: 40985
Ion Ratio Lower Upper
73 100
43 22.3 17.4 26.0
57 23.2 17.6 26.4



#18
trans-1,2-Dichloroethene
Concen: 0.998 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU039236.D
Acq: 30 Jun 2020 13:52

Tgt Ion: 96 Resp: 16253
Ion Ratio Lower Upper
96 100
61 157.0 103.3 191.8
98 59.1 44.0 81.8

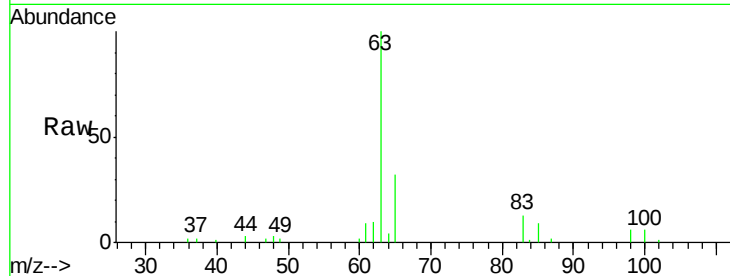




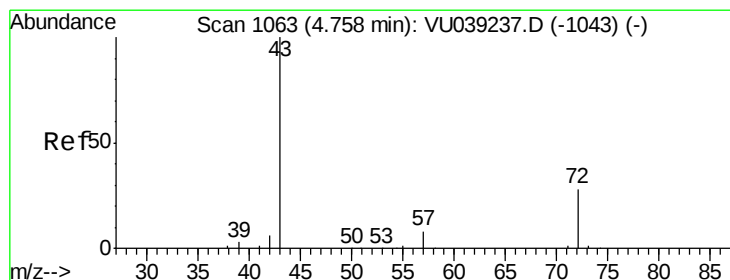
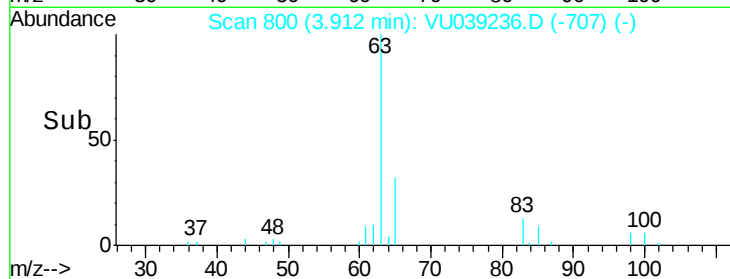
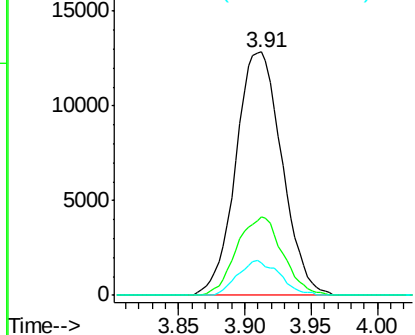
#19
 1,1-Dichloroethane
 Concen: 1.004 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU039236.D
 Acq: 30 Jun 2020 13:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

Tgt Ion: 63 Resp: 31126
 Ion Ratio Lower Upper
 63 100
 65 32.1 21.9 40.7
 83 13.4 9.2 17.2

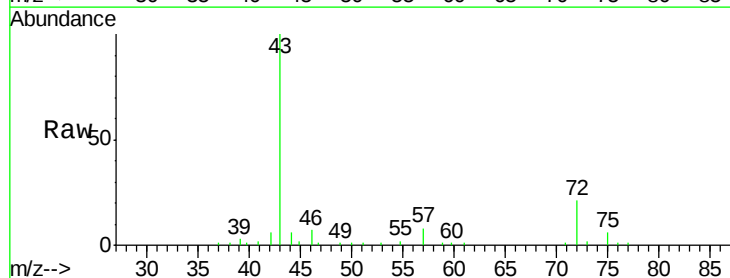


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

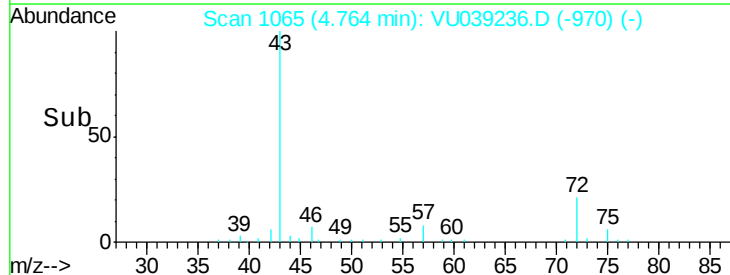
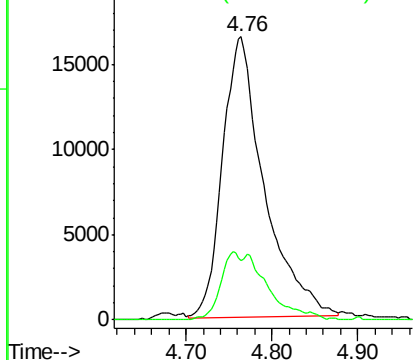


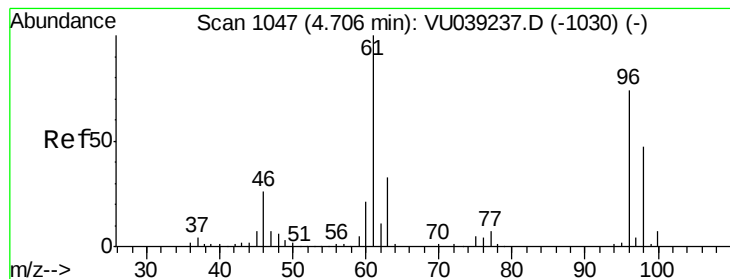
#21
 2-Butanone
 Concen: 9.923 ug/L
 RT: 4.76 min Scan# 1065
 Delta R.T. 0.01 min
 Lab File: VU039236.D
 Acq: 30 Jun 2020 13:52

Tgt Ion: 43 Resp: 55775
 Ion Ratio Lower Upper
 43 100
 72 11.7 13.7 41.0#



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





#22

cis-1,2-Dichloroethene

Concen: 1.047 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU039236.D

Acq: 30 Jun 2020 13:52

Instrument :

MSVOA_U

ClientSampled :

VSTD00104

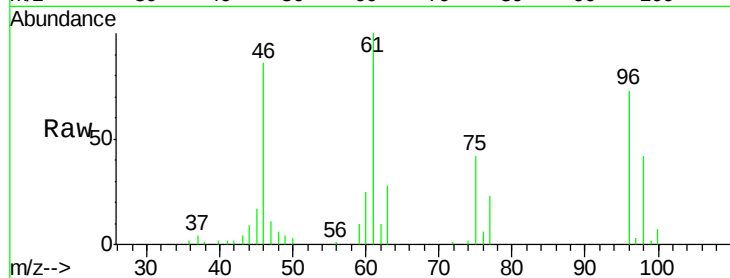
Tgt Ion: 96 Resp: 17147

Ion Ratio Lower Upper

96 100

61 136.3 94.2 175.0

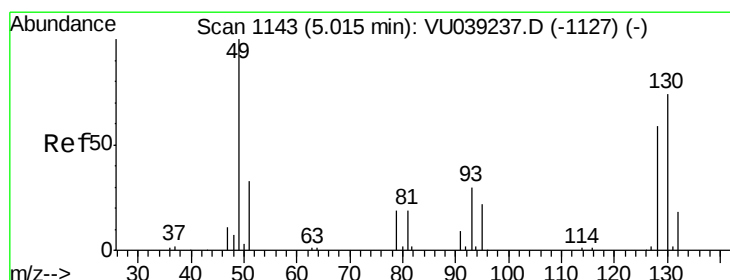
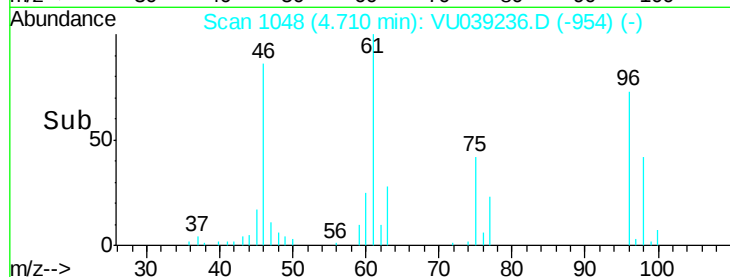
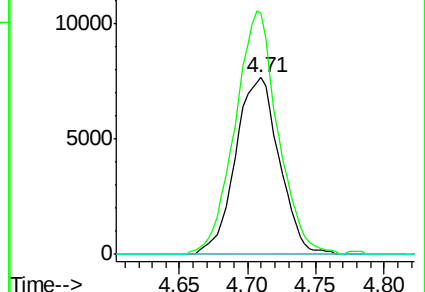
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039236.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU039236.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU039236.D (-954) (-)



#23

Bromochloromethane

Concen: 0.982 ug/L

RT: 5.01 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VU039236.D

Acq: 30 Jun 2020 13:52

Tgt Ion: 128 Resp: 7790

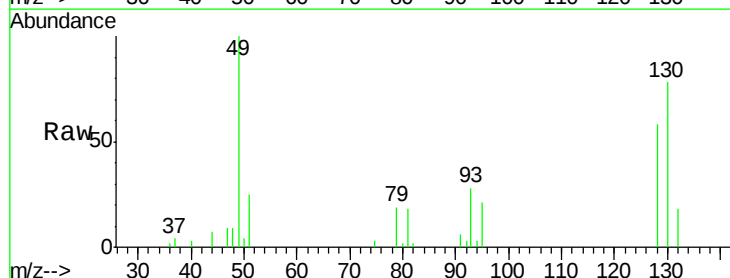
Ion Ratio Lower Upper

128 100

49 172.1 119.1 221.1

130 133.5 87.8 163.2

51 43.1 45.2 67.8#

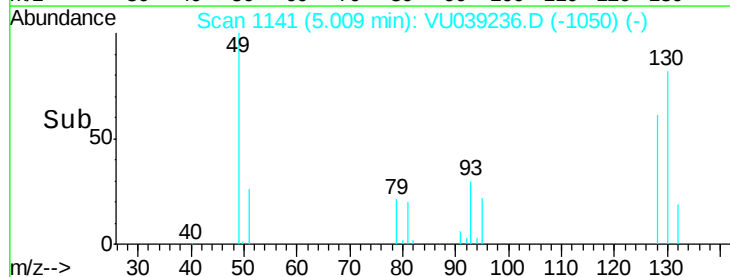
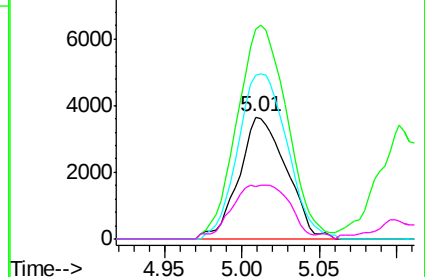


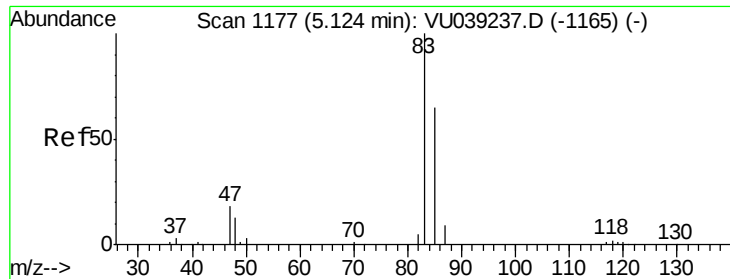
Abundance Ion 127.90 (127.60 to 128.60): VU039236.D (-1050) (-)

Ion 49.10 (48.80 to 49.80): VU039236.D (-1050) (-)

Ion 129.95 (129.65 to 130.65): VU039236.D (-1050) (-)

Ion 51.05 (50.75 to 51.75): VU039236.D (-1050) (-)

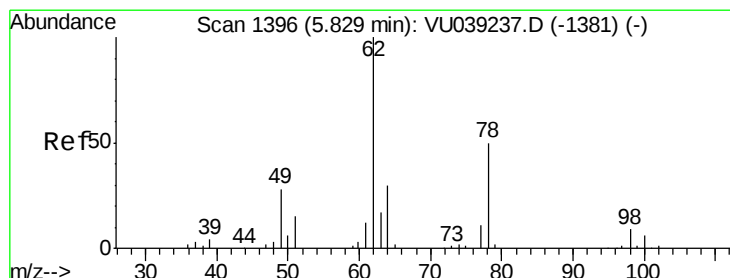
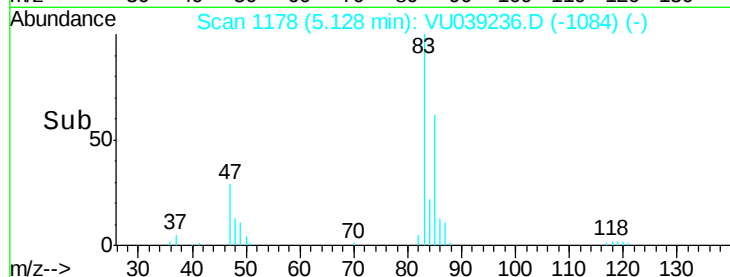
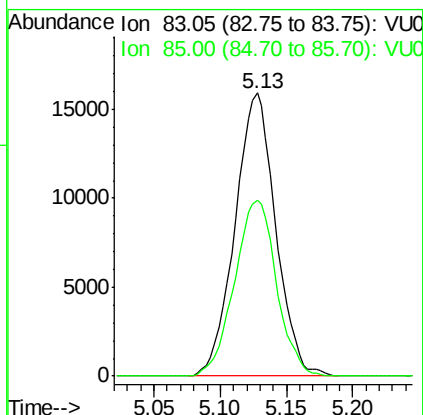
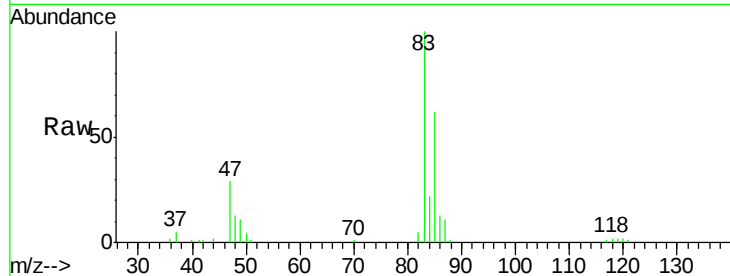




#25
Chloroform
Concen: 1.090 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU039236.D
Acq: 30 Jun 2020 13:52

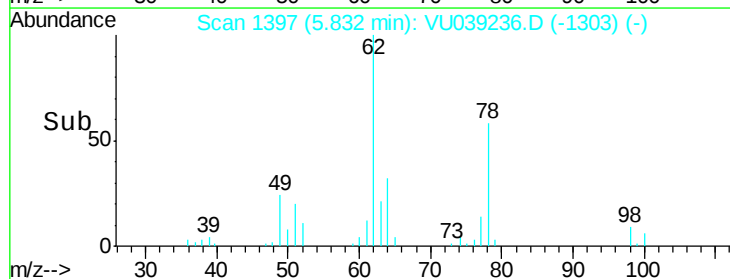
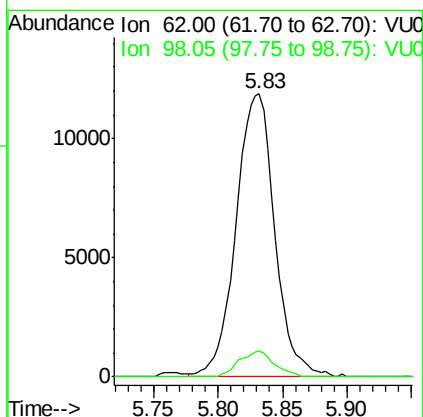
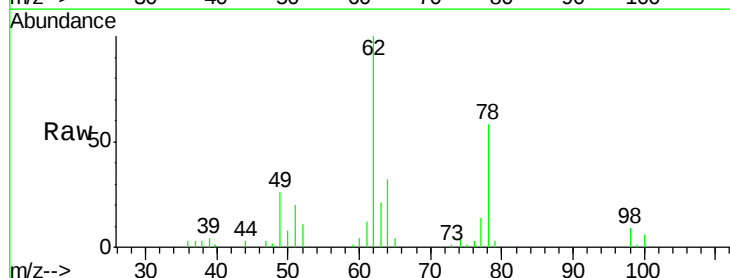
Instrument :
MSVOA_U
ClientSampleId :
VSTD00104

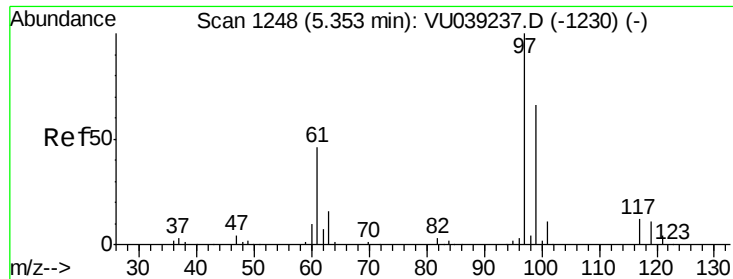
Tgt Ion: 83 Resp: 33872
Ion Ratio Lower Upper
83 100
85 62.1 47.0 87.4



#27
1,2-Dichloroethane
Concen: 1.080 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU039236.D
Acq: 30 Jun 2020 13:52

Tgt Ion: 62 Resp: 24863
Ion Ratio Lower Upper
62 100
98 9.2 6.8 10.2

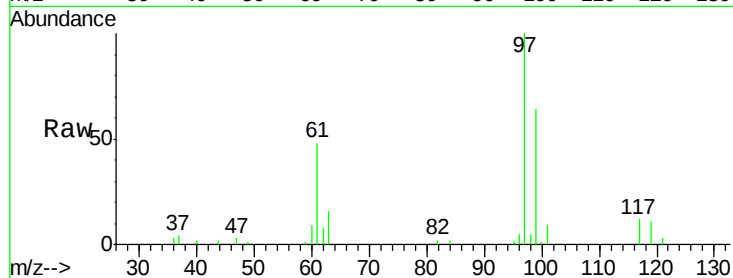




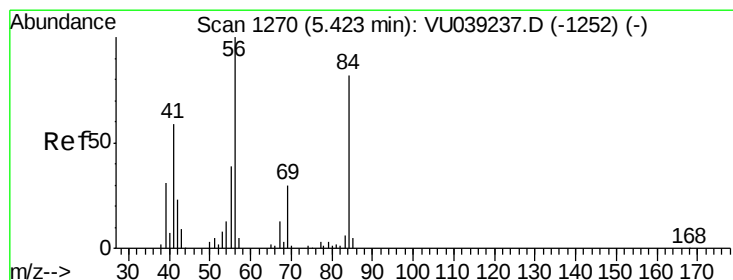
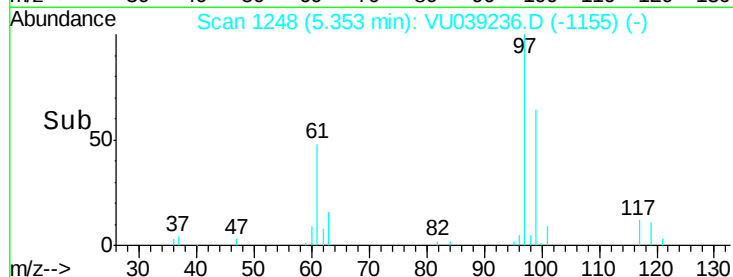
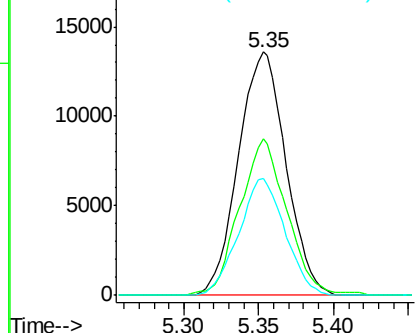
#29
 1,1,1-Trichloroethane
 Concen: 1.081 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU039236.D
 Acq: 30 Jun 2020 13:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

Tgt Ion: 97 Resp: 30043
 Ion Ratio Lower Upper
 97 100
 99 64.1 52.2 78.2
 61 46.7 37.2 55.8

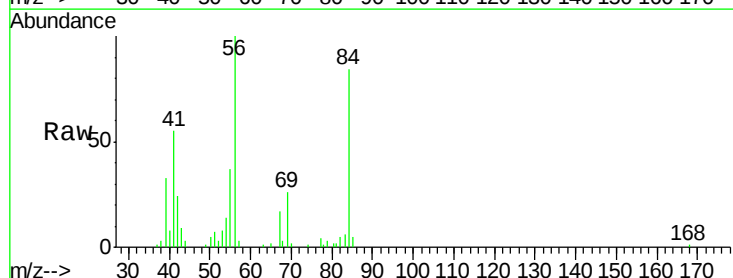


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

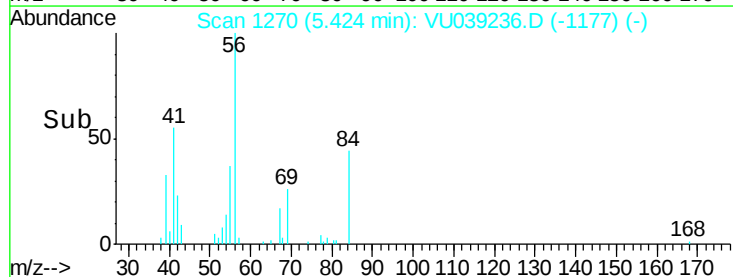
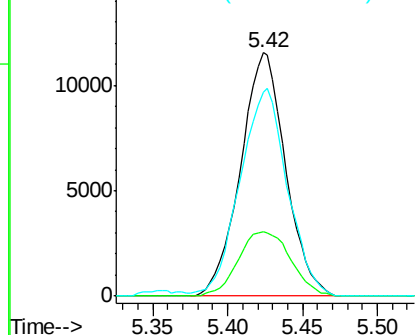


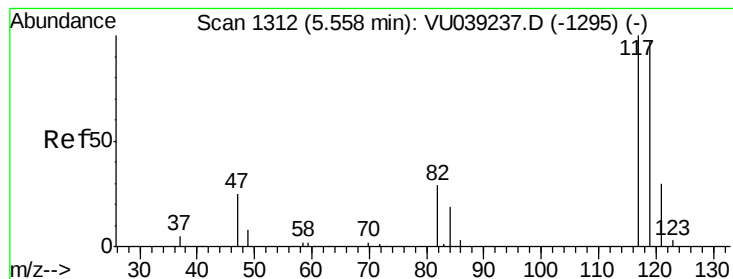
#30
 Cyclohexane
 Concen: 0.938 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU039236.D
 Acq: 30 Jun 2020 13:52

Tgt Ion: 56 Resp: 24184
 Ion Ratio Lower Upper
 56 100
 69 30.8 23.9 35.9
 84 90.0 68.1 102.1



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: 1.109 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU039236.D

Acq: 30 Jun 2020 13:52

Instrument :

MSVOA_U

ClientSampleId :

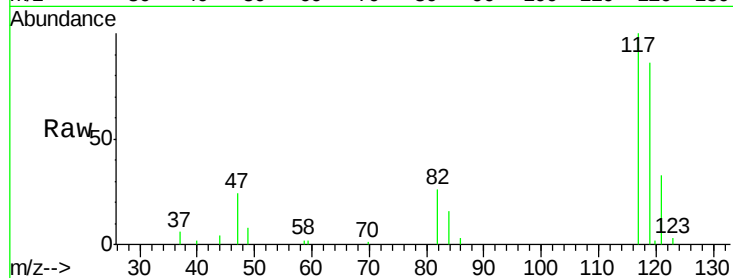
VSTD00104

Tgt Ion:117 Resp: 25963

Ion Ratio Lower Upper

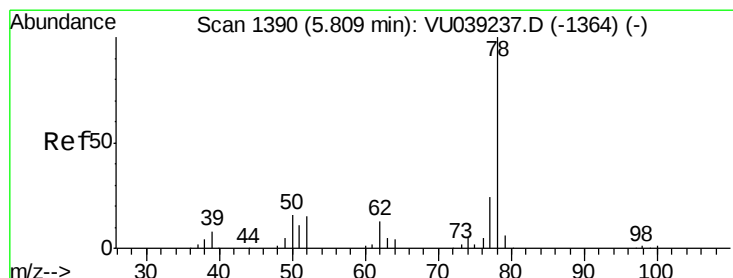
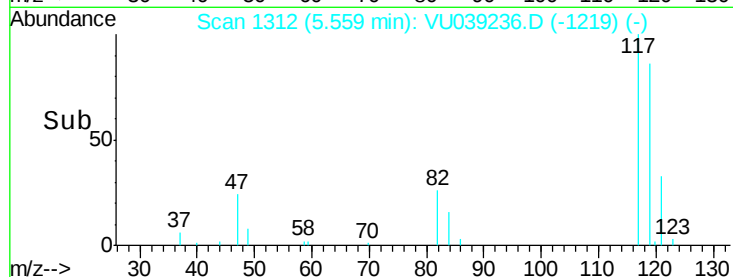
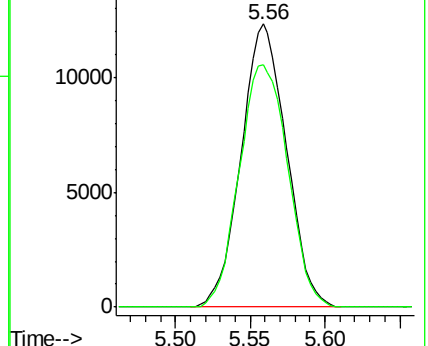
117 100

119 91.7 76.3 114.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 1.007 ug/L

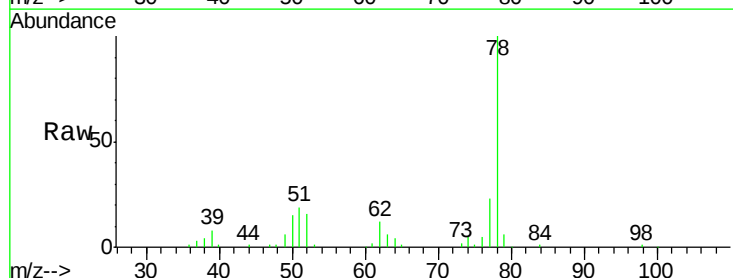
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

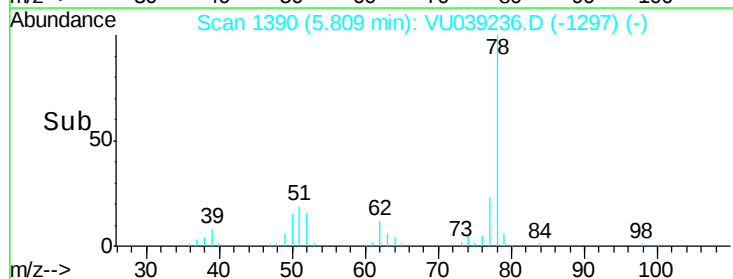
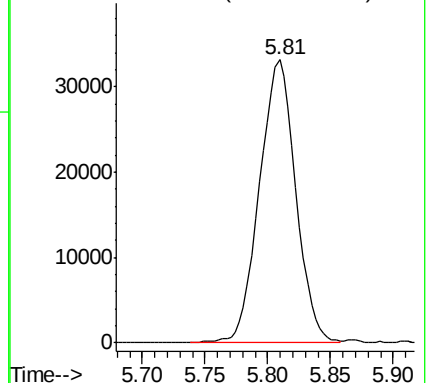
Lab File: VU039236.D

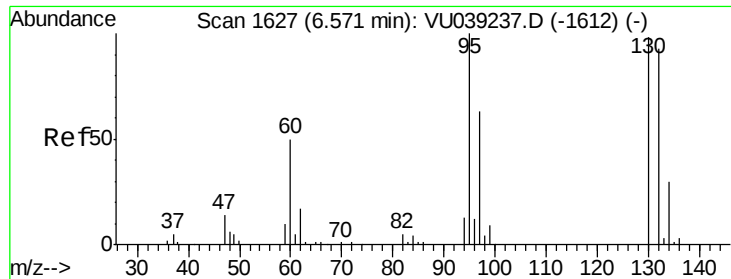
Acq: 30 Jun 2020 13:52

Tgt Ion: 78 Resp: 66951



Abundance Ion 78.10 (77.80 to 78.80): VU0

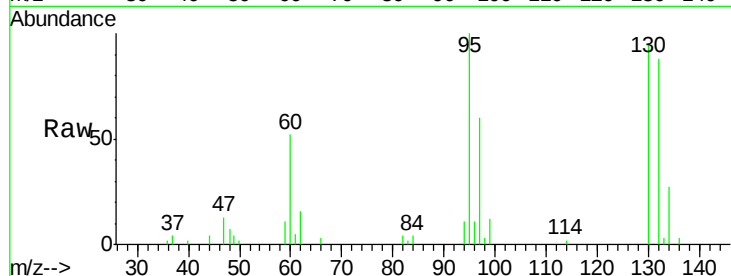




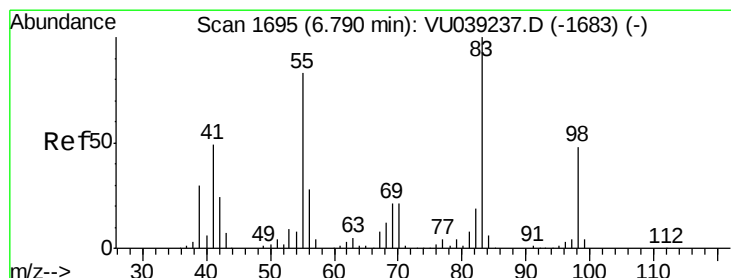
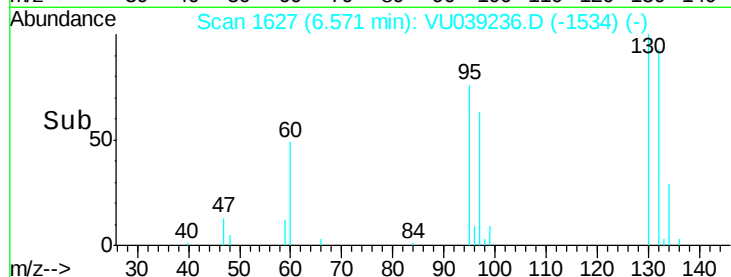
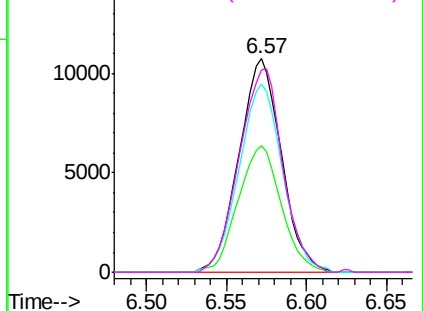
#34
 Trichloroethene
 Concen: 1.140 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU039236.D
 Acq: 30 Jun 2020 13:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

Tgt Ion: 95 Resp: 19398
 Ion Ratio Lower Upper
 95 100
 97 59.5 44.0 81.8
 132 87.8 64.9 120.5
 130 94.7 68.7 127.5

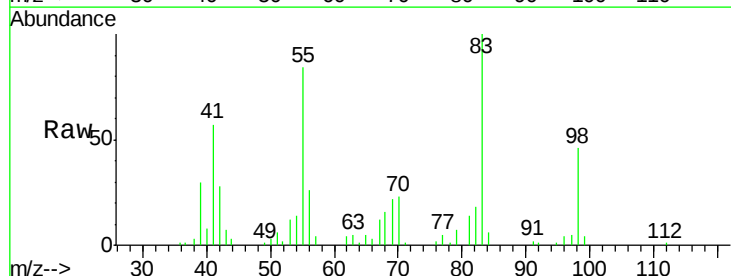


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

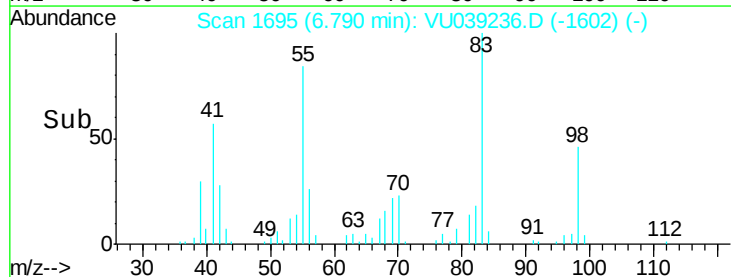
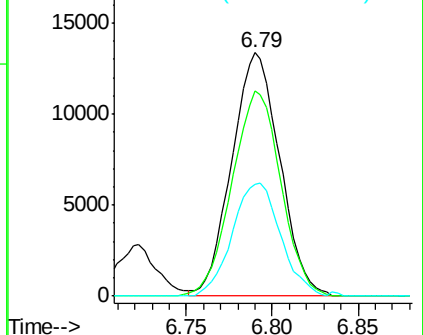


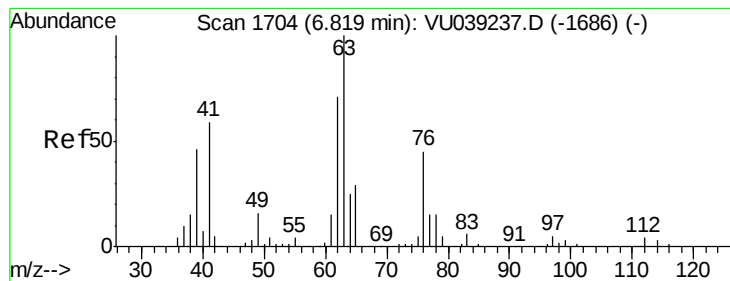
#35
 Methylcyclohexane
 Concen: 1.030 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU039236.D
 Acq: 30 Jun 2020 13:52

Tgt Ion: 83 Resp: 25994
 Ion Ratio Lower Upper
 83 100
 55 85.8 64.4 96.6
 98 46.7 37.9 56.9



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





#37

1,2-Dichloropropane

Concen: 1.094 ug/L

RT: 6.82 min Scan# 1704

Delta R.T. 0.00 min

Lab File: VU039236.D

Acq: 30 Jun 2020 13:52

Instrument :

MSVOA_U

ClientSampled :

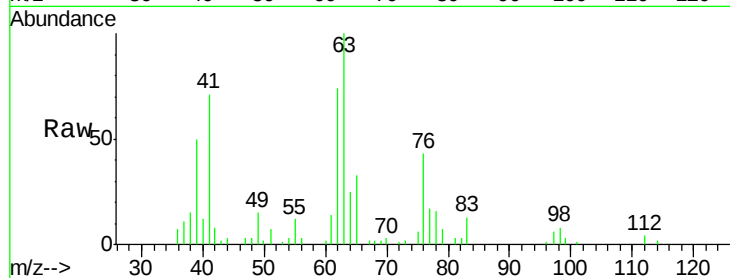
VSTD00104

Tgt Ion: 63 Resp: 19221

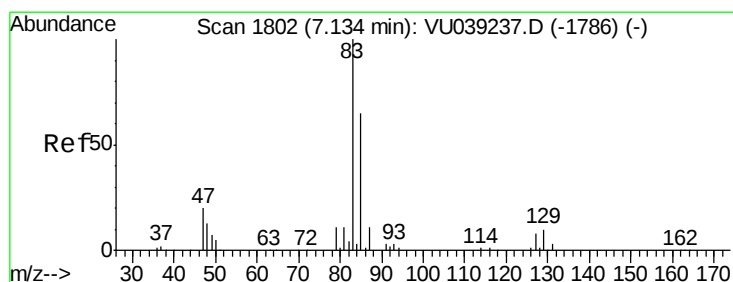
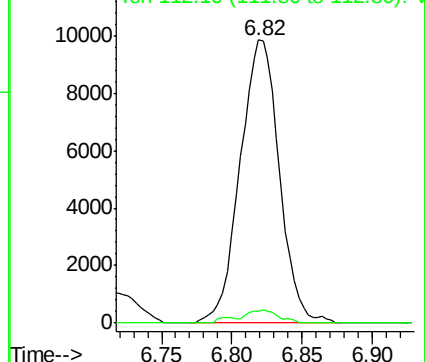
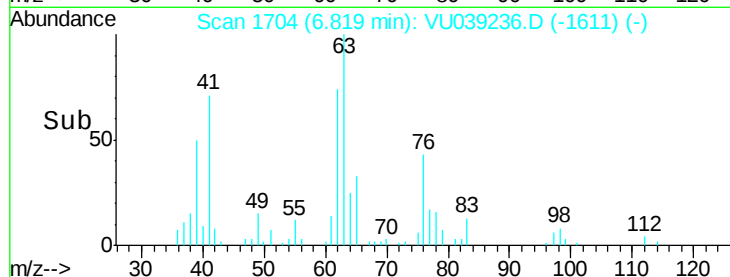
Ion Ratio Lower Upper

63 100

112 3.6 3.6 5.4



Abundance Ion 63.10 (62.80 to 63.80): VU039236.D (-1611) (-)



#38

Bromodichloromethane

Concen: 1.052 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU039236.D

Acq: 30 Jun 2020 13:52

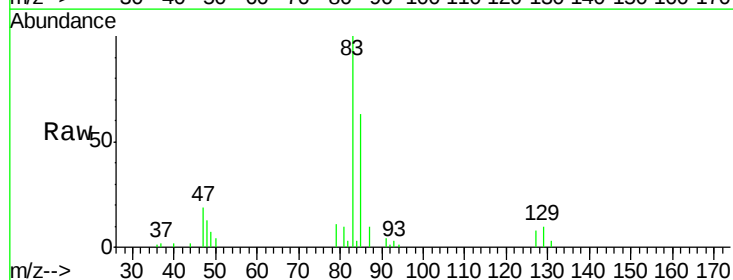
Tgt Ion: 83 Resp: 24058

Ion Ratio Lower Upper

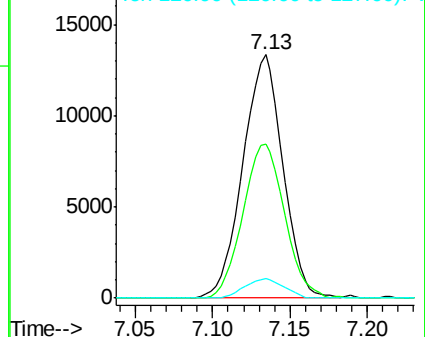
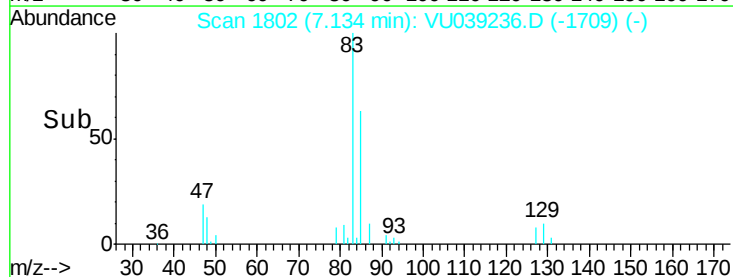
83 100

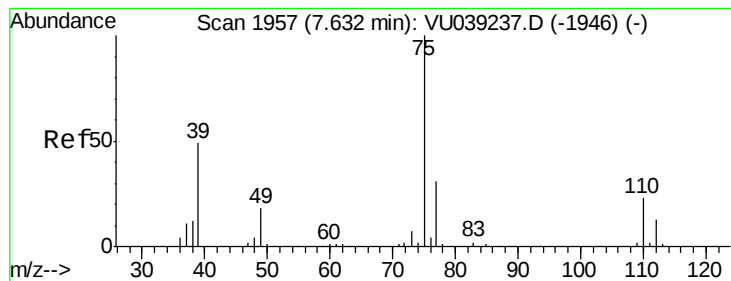
85 63.3 45.6 84.8

127 7.9 6.1 9.1



Abundance Ion 82.95 (82.65 to 83.65): VU039236.D (-1709) (-)



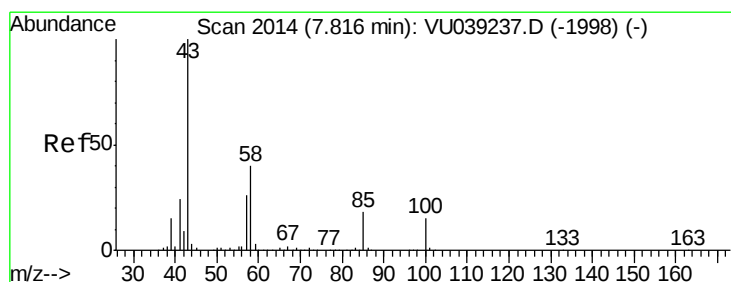
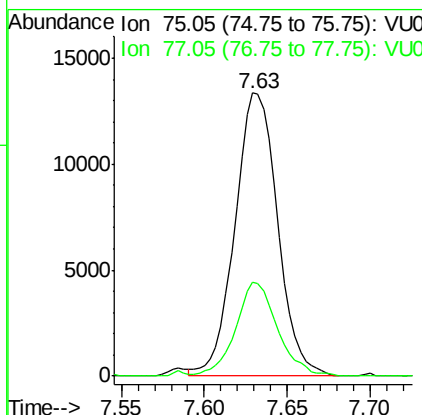
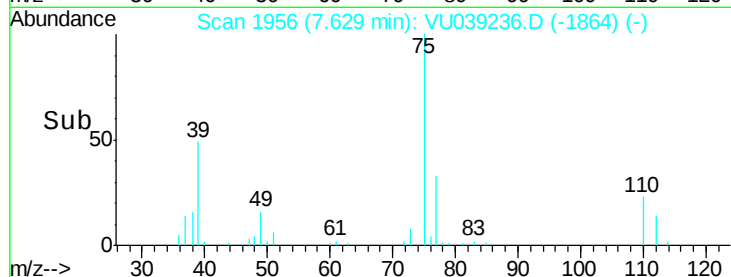
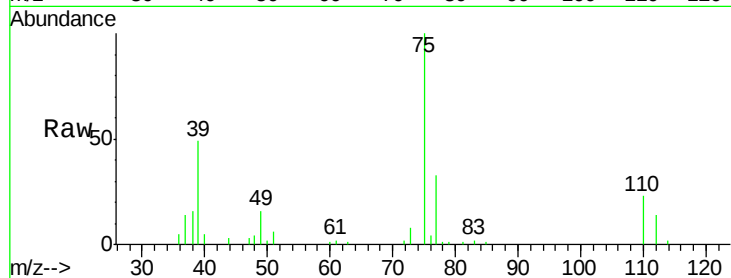


#39

cis-1,3-Dichloropropene
Concen: 0.955 ug/L
RT: 7.63 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VU039236.D
Acq: 30 Jun 2020 13:52

Instrument :
MSVOA_U
ClientSampled :
VSTD00104

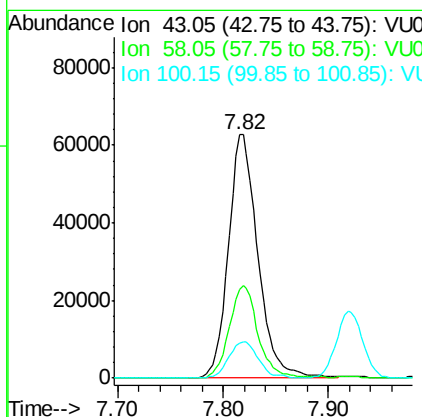
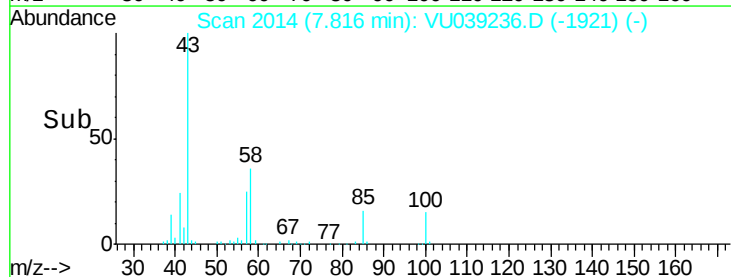
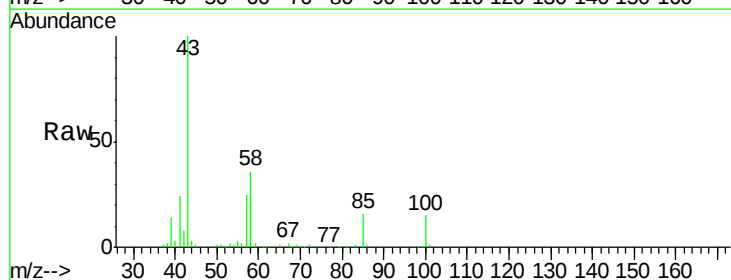
Tgt Ion: 75 Resp: 24020
Ion Ratio Lower Upper
75 100
77 33.2 22.5 41.7

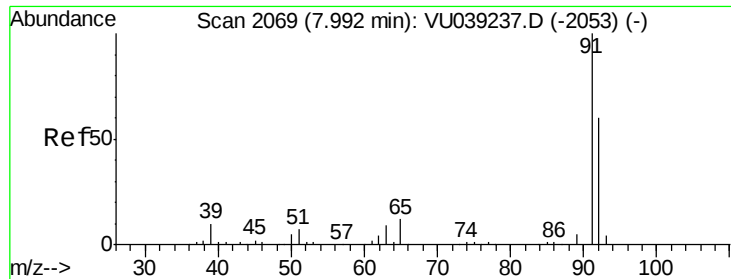


#40

4-Methyl-2-pentanone
Concen: 9.578 ug/L
RT: 7.82 min Scan# 2014
Delta R.T. 0.00 min
Lab File: VU039236.D
Acq: 30 Jun 2020 13:52

Tgt Ion: 43 Resp: 121322
Ion Ratio Lower Upper
43 100
58 37.3 31.1 46.7
100 15.1 12.4 18.6





#42

Toluene

Concen: 1.051 ug/L

RT: 7.99 min Scan# 2068

Delta R.T. -0.00 min

Lab File: VU039236.D

Acq: 30 Jun 2020 13:52

Instrument :

MSVOA_U

ClientSampleId :

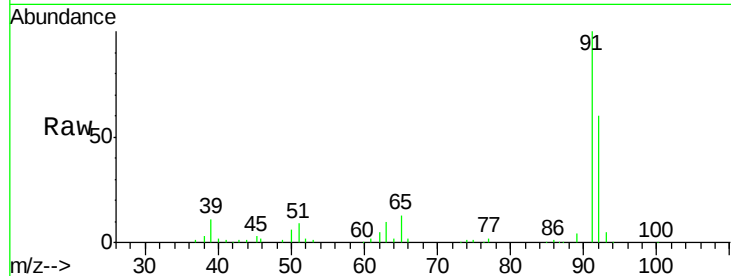
VSTD00104

Tgt Ion: 91 Resp: 69740

Ion Ratio Lower Upper

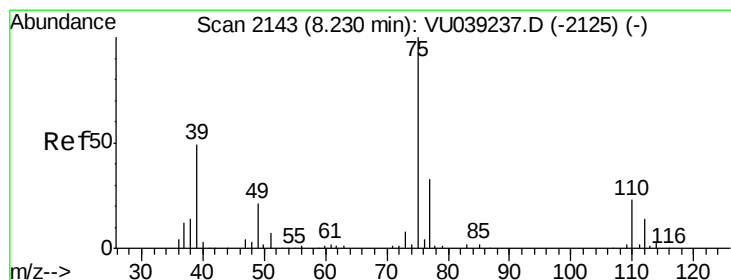
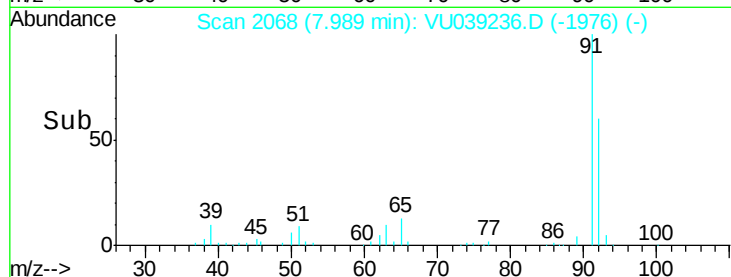
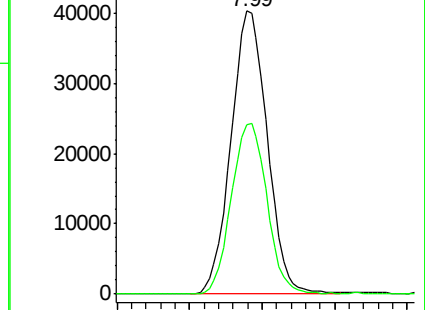
91 100

92 60.0 41.7 77.5



Abundance Ion 91.15 (90.85 to 91.85): VU039237.D (-2053) (-)

Ion 92.15 (91.85 to 92.85): VU039236.D (-1976) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.999 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VU039236.D

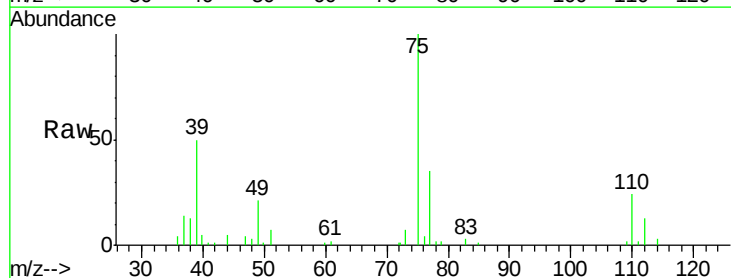
Acq: 30 Jun 2020 13:52

Tgt Ion: 75 Resp: 24789

Ion Ratio Lower Upper

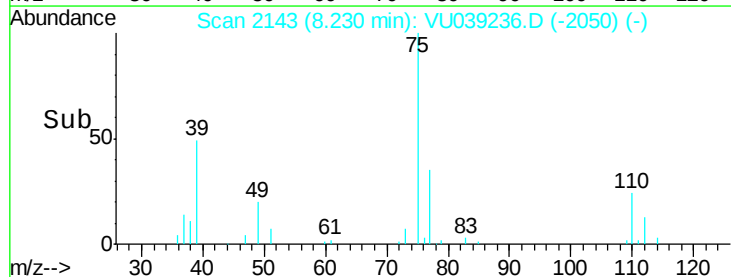
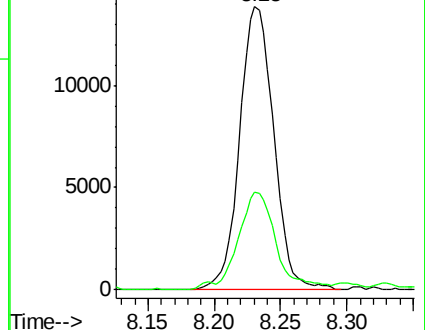
75 100

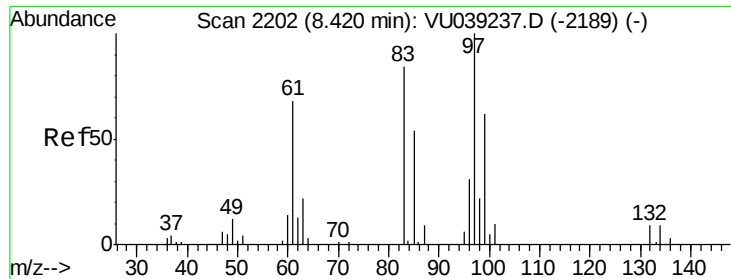
77 34.8 22.9 42.5



Abundance Ion 75.05 (74.75 to 75.75): VU039237.D (-2125) (-)

Ion 77.05 (76.75 to 77.75): VU039236.D (-2050) (-)

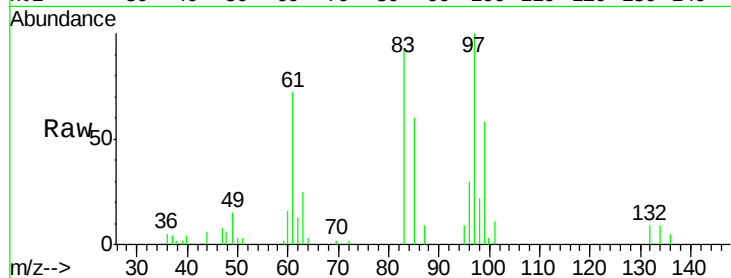




#45
 1,1,2-Trichloroethane
 Concen: 1.123 ug/L
 RT: 8.42 min Scan# 2202
 Delta R.T. 0.00 min
 Lab File: VU039236.D
 Acq: 30 Jun 2020 13:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

Tgt Ion:	97	Resp:	14727
Ion	Ratio	Lower	Upper
97	100		
99	57.5	43.7	81.1
83	91.9	58.9	109.3
85	60.5	37.9	70.3



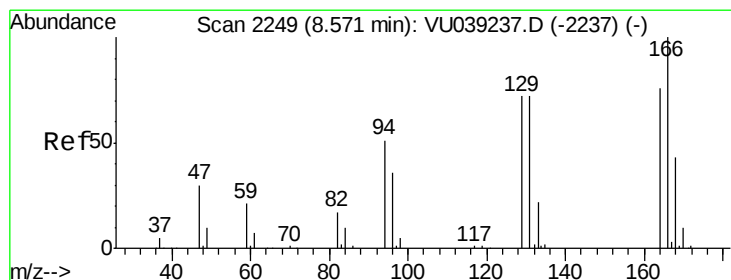
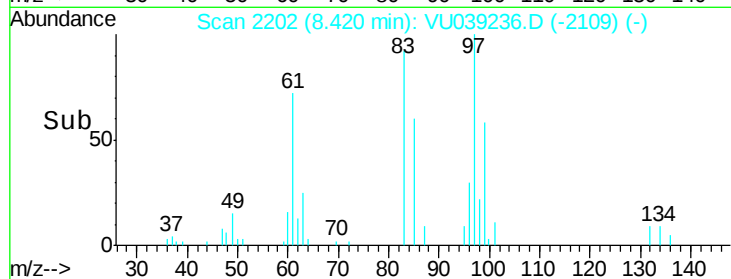
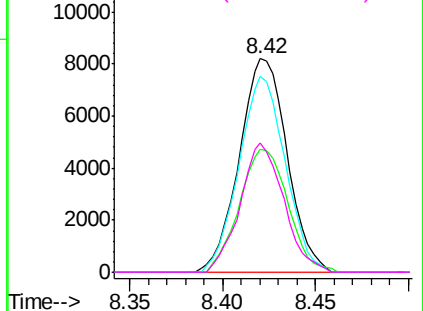
Abundance

Ion 96.95 (96.65 to 97.65): VU039236.D (-2109) (-)

Ion 99.05 (98.75 to 99.75): VU039236.D (-2109) (-)

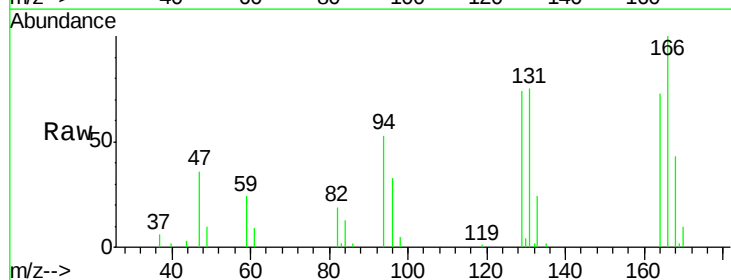
Ion 82.95 (82.65 to 83.65): VU039236.D (-2109) (-)

Ion 85.00 (84.70 to 85.70): VU039236.D (-2109) (-)



#47
 Tetrachloroethene
 Concen: 1.060 ug/L
 RT: 8.57 min Scan# 2249
 Delta R.T. 0.00 min
 Lab File: VU039236.D
 Acq: 30 Jun 2020 13:52

Tgt Ion:	164	Resp:	12963
Ion	Ratio	Lower	Upper
164	100		
129	101.7	66.4	123.4
131	102.8	66.7	123.9
166	136.5	92.3	171.5



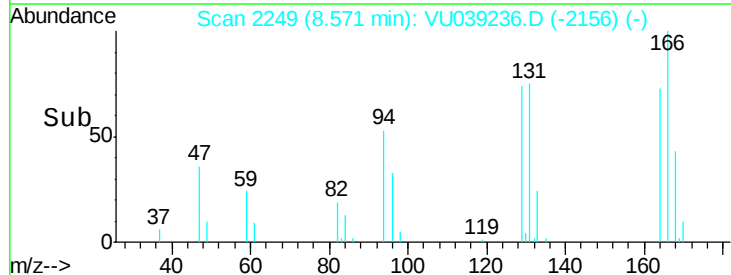
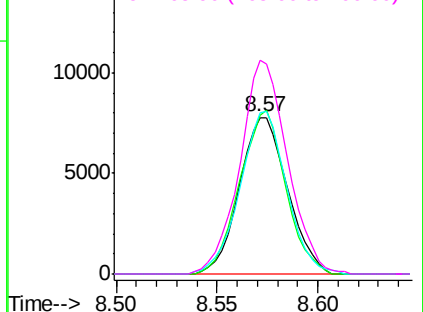
Abundance

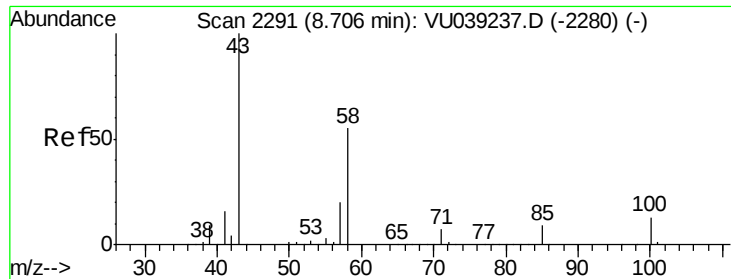
Ion 163.90 (163.60 to 164.60): VU039236.D (-2156) (-)

Ion 128.95 (128.65 to 129.65): VU039236.D (-2156) (-)

Ion 130.95 (130.65 to 131.65): VU039236.D (-2156) (-)

Ion 165.90 (165.60 to 166.60): VU039236.D (-2156) (-)

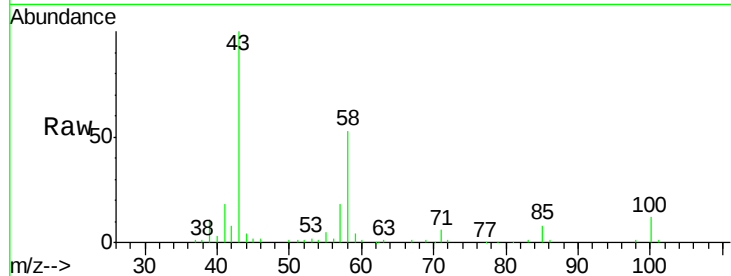




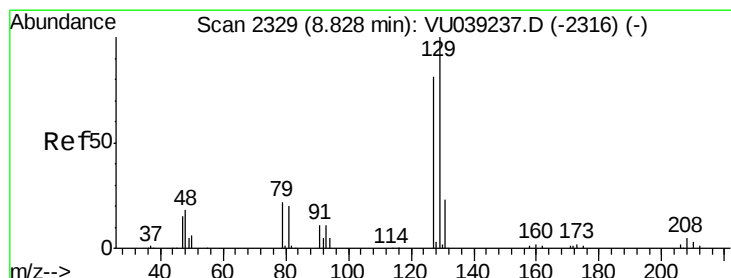
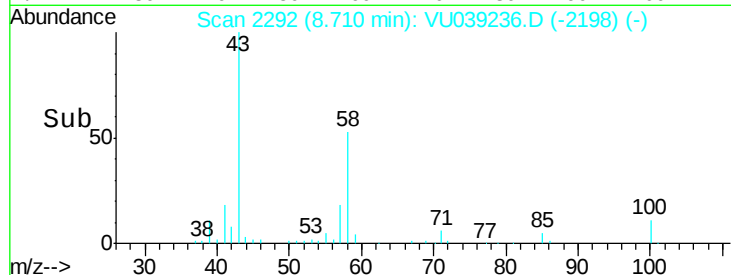
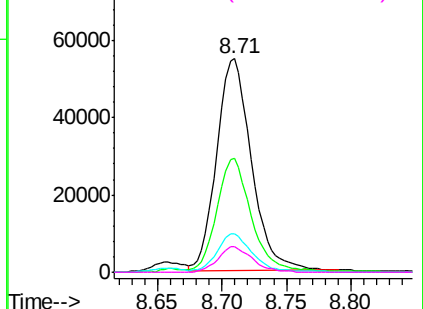
#48
2-Hexanone
Concen: 10.661 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU039236.D
Acq: 30 Jun 2020 13:52

Instrument :
MSVOA_U
ClientSampleId :
VSTD00104

Tgt Ion: 43 Resp: 103530
Ion Ratio Lower Upper
43 100
58 52.5 43.6 65.4
57 18.5 15.5 23.3
100 11.8 10.0 15.0

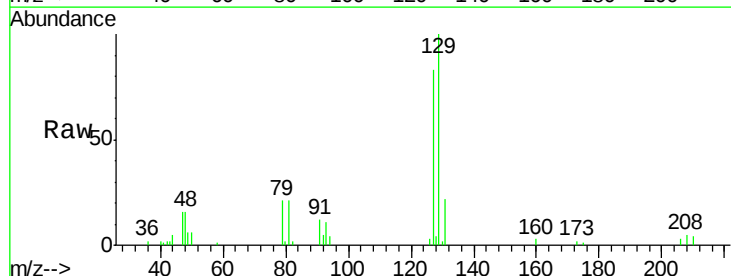


Abundance Ion 43.05 (42.75 to 43.75): VU039236.D (-2198) (-)
Ion 58.05 (57.75 to 58.75): VU039236.D (-2198) (-)
Ion 57.20 (56.90 to 57.90): VU039236.D (-2198) (-)
Ion 100.15 (99.85 to 100.85): VU039236.D (-2198) (-)

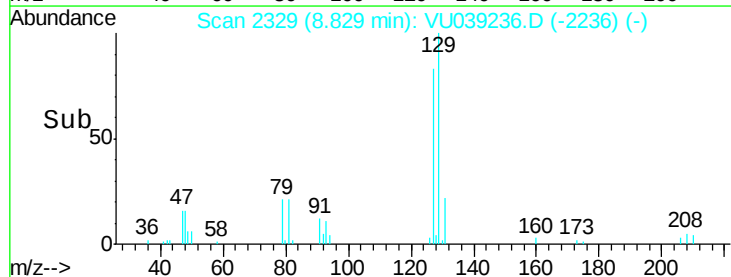
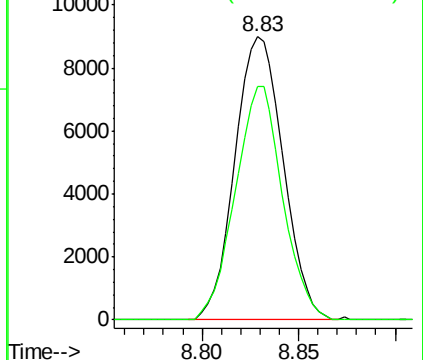


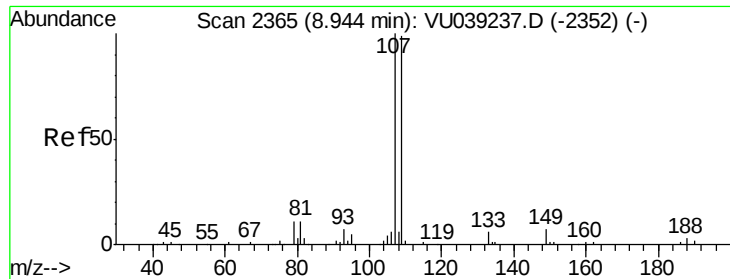
#49
Dibromochloromethane
Concen: 1.028 ug/L
RT: 8.83 min Scan# 2329
Delta R.T. 0.00 min
Lab File: VU039236.D
Acq: 30 Jun 2020 13:52

Tgt Ion: 129 Resp: 15592
Ion Ratio Lower Upper
129 100
127 82.7 56.8 105.4



Abundance Ion 128.95 (128.65 to 129.65): VU039236.D (-2236) (-)
Ion 126.90 (126.60 to 127.60): VU039236.D (-2236) (-)

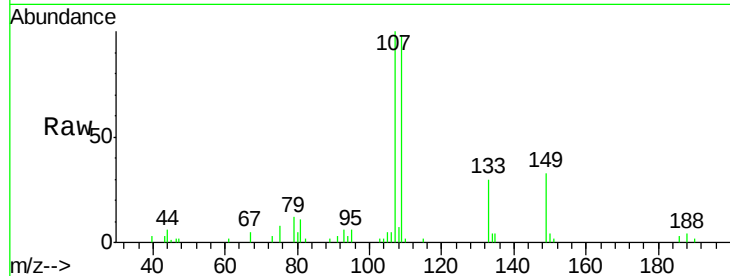




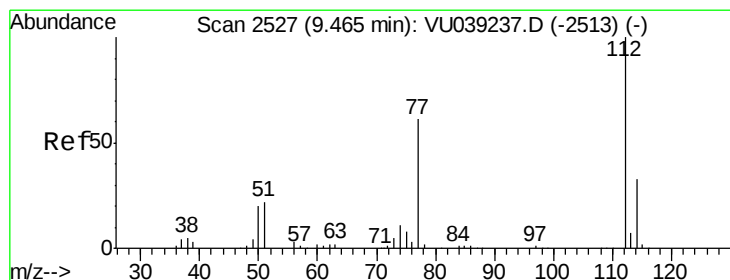
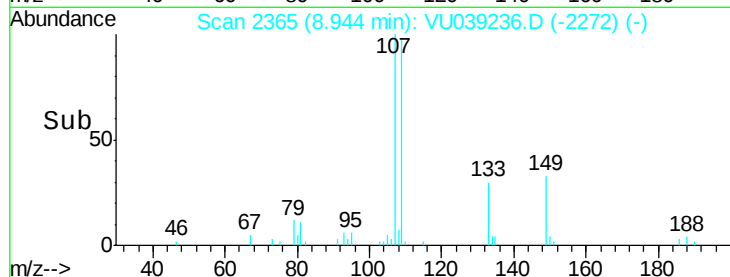
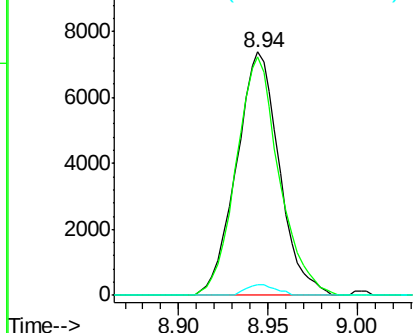
#50
 1,2-Dibromoethane
 Concen: 0.966 ug/L
 RT: 8.94 min Scan# 2365
 Delta R.T. 0.00 min
 Lab File: VU039236.D
 Acq: 30 Jun 2020 13:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

Tgt Ion:107 Resp: 12390
 Ion Ratio Lower Upper
 107 100
 109 97.9 69.0 128.1
 188 4.5 2.6 4.0#

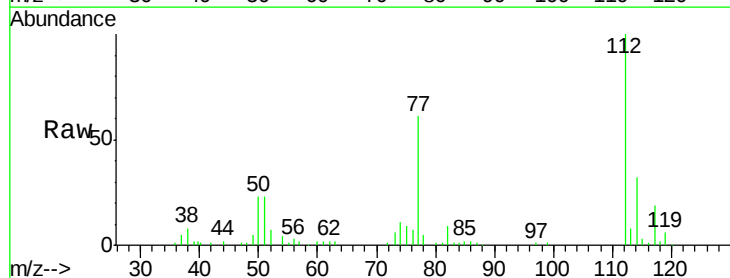


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

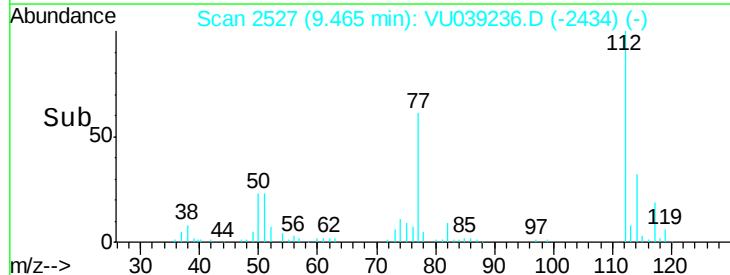
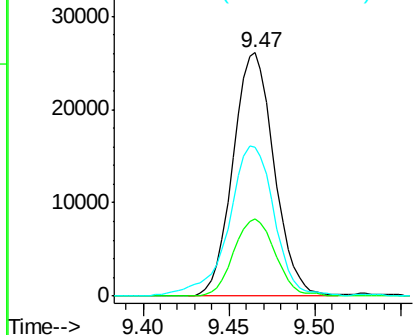


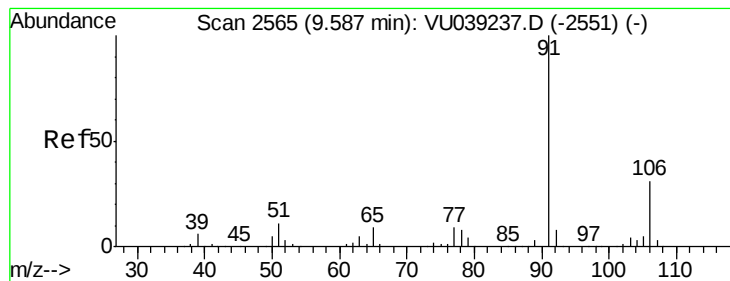
#51
 Chlorobenzene
 Concen: 1.011 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. 0.00 min
 Lab File: VU039236.D
 Acq: 30 Jun 2020 13:52

Tgt Ion:112 Resp: 43541
 Ion Ratio Lower Upper
 112 100
 114 32.0 22.8 42.4
 77 61.4 49.7 74.5



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





#52

Ethylbenzene

Concen: 0.944 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. 0.00 min

Lab File: VU039236.D

Acq: 30 Jun 2020 13:52

Instrument :

MSVOA_U

ClientSampleId :

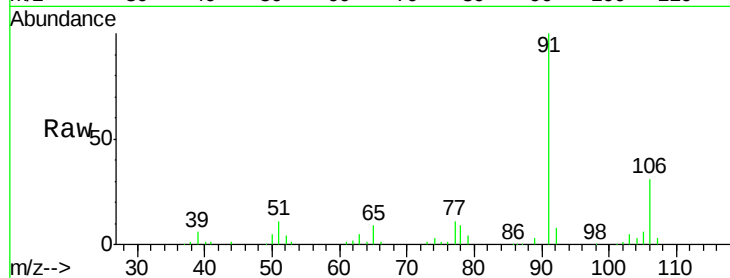
VSTD00104

Tgt Ion: 91 Resp: 68219

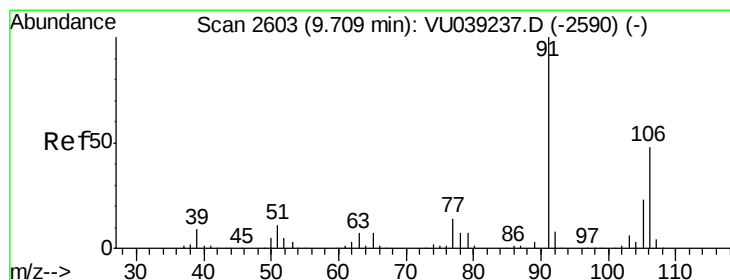
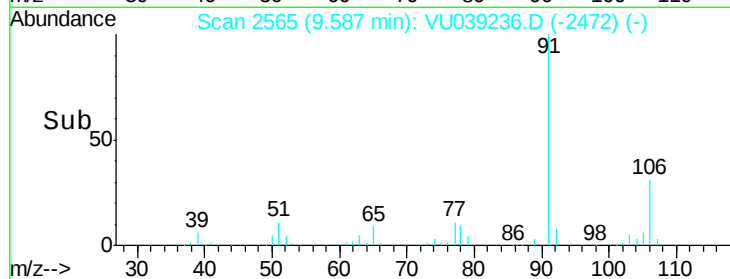
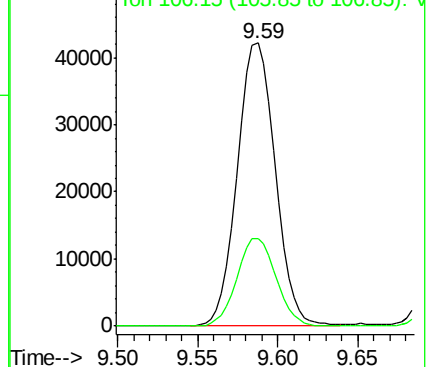
Ion Ratio Lower Upper

91 100

106 31.1 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039236.D (-2551) (-)



#53

m,p-Xylene

Concen: 0.946 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VU039236.D

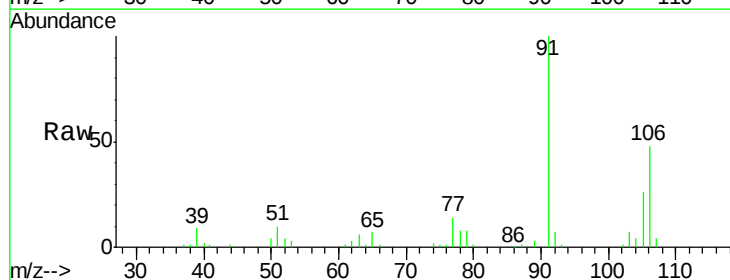
Acq: 30 Jun 2020 13:52

Tgt Ion: 106 Resp: 25277

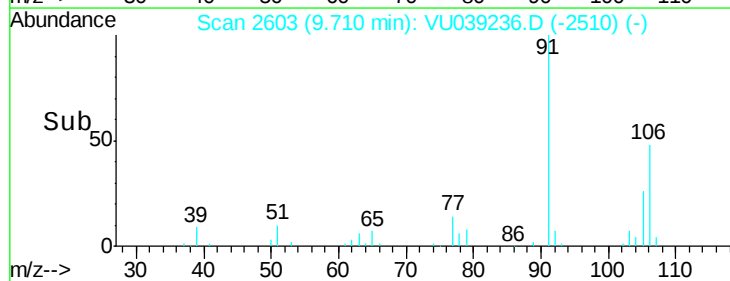
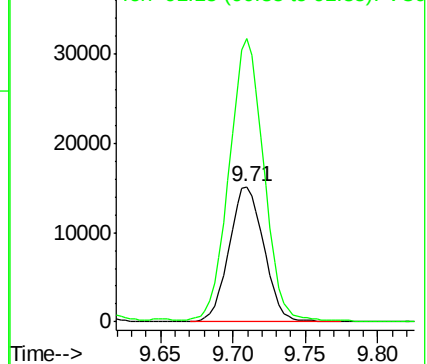
Ion Ratio Lower Upper

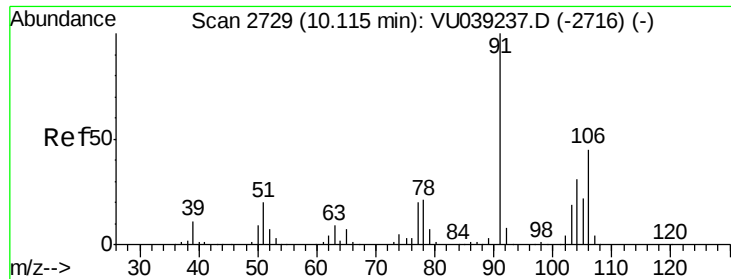
106 100

91 209.2 147.3 273.5



Abundance Ion 106.15 (105.85 to 106.85): VU039236.D (-2590) (-)

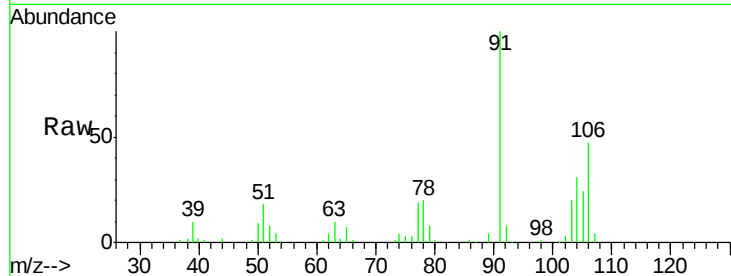




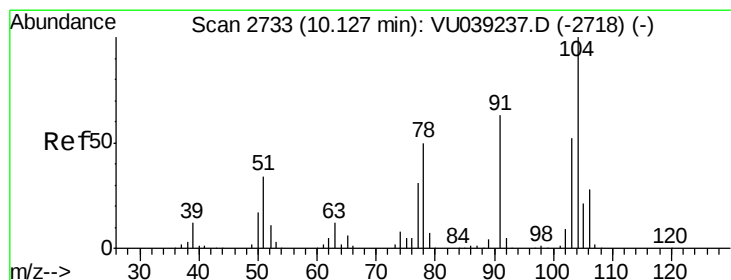
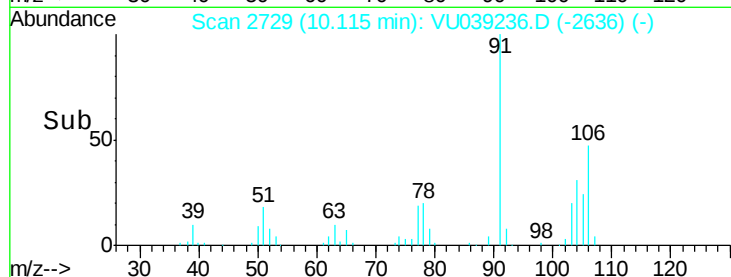
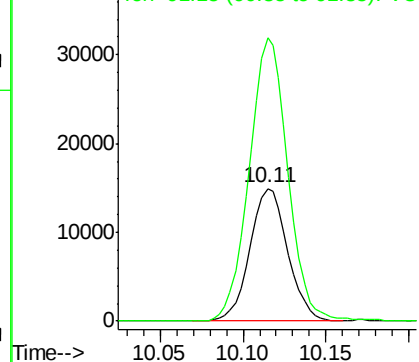
#54
o-Xylene
Concen: 0.930 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU039236.D
Acq: 30 Jun 2020 13:52

Instrument :
MSVOA_U
ClientSampleId :
VSTD00104

Tgt Ion:106 Resp: 23704
Ion Ratio Lower Upper
106 100
91 213.1 154.2 286.4

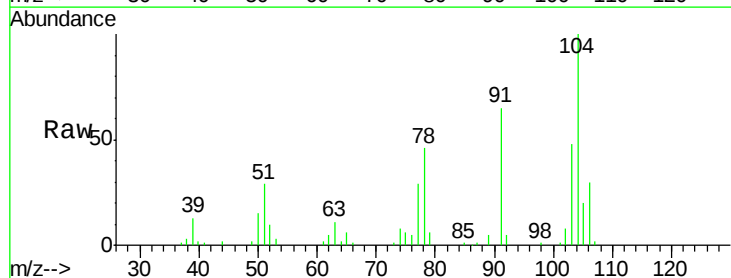


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

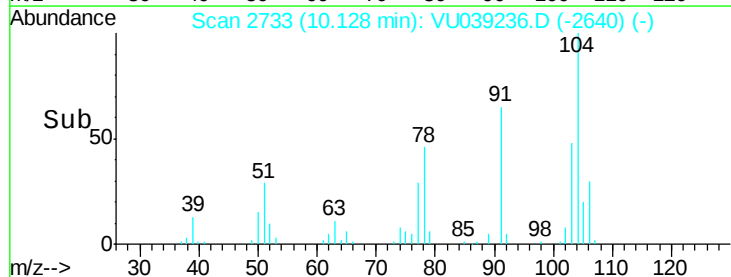
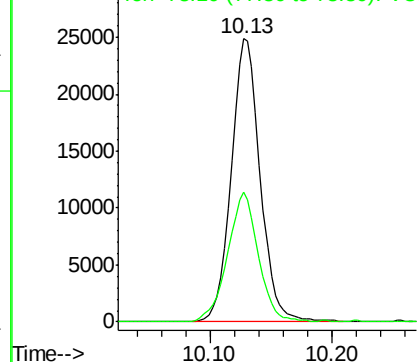


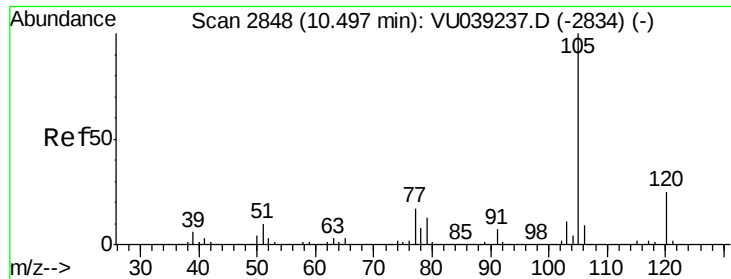
#55
Styrene
Concen: 0.932 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU039236.D
Acq: 30 Jun 2020 13:52

Tgt Ion:104 Resp: 41223
Ion Ratio Lower Upper
104 100
78 45.9 35.1 65.3



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





#56

Isopropylbenzene

Concen: 0.989 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VU039236.D

Acq: 30 Jun 2020 13:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD00104

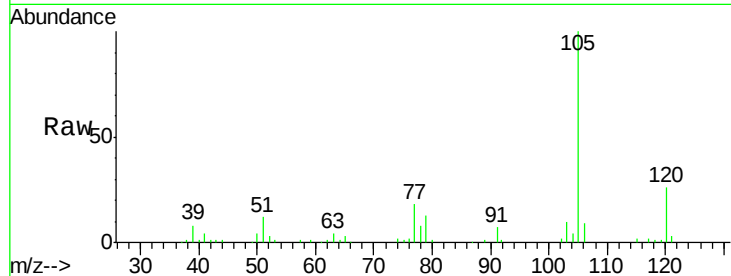
Tgt Ion:105 Resp: 64890

Ion Ratio Lower Upper

105 100

120 25.2 20.4 30.6

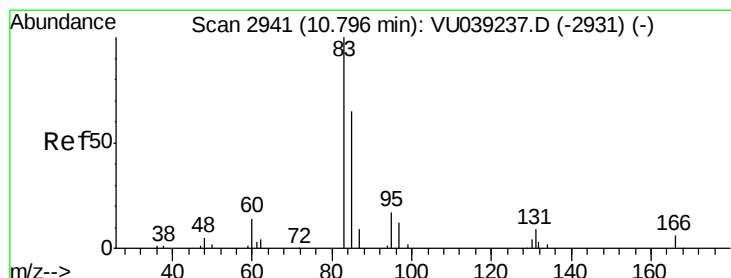
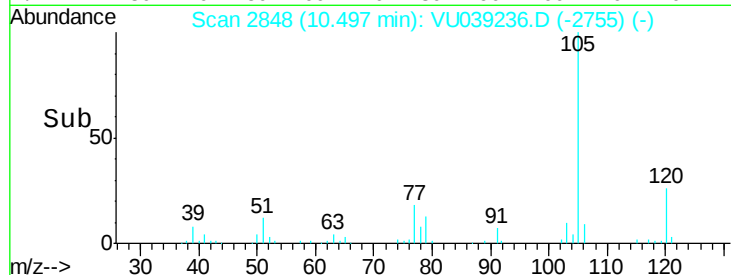
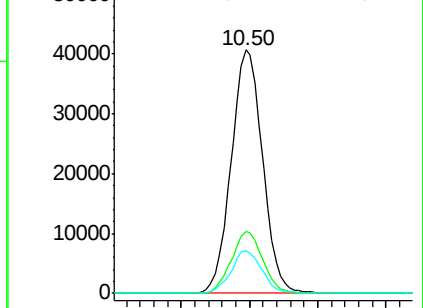
77 17.3 13.3 19.9



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: 1.084 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. 0.00 min

Lab File: VU039236.D

Acq: 30 Jun 2020 13:52

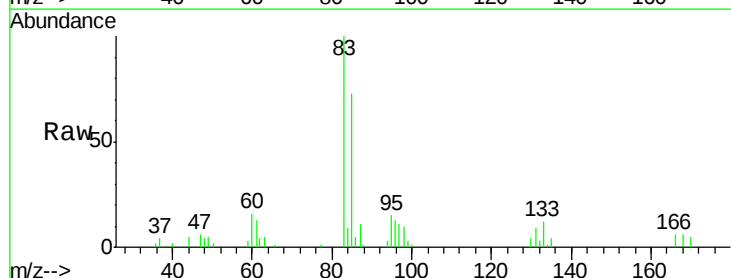
Tgt Ion: 83 Resp: 17995

Ion Ratio Lower Upper

83 100

85 73.2 45.4 84.4

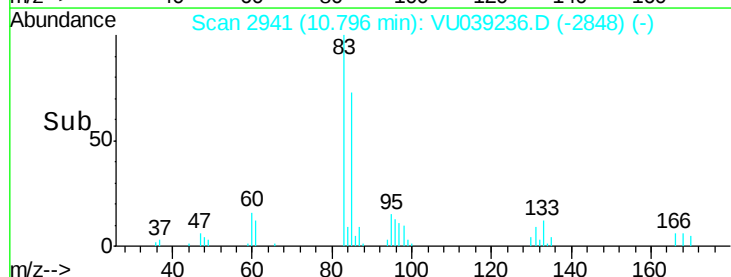
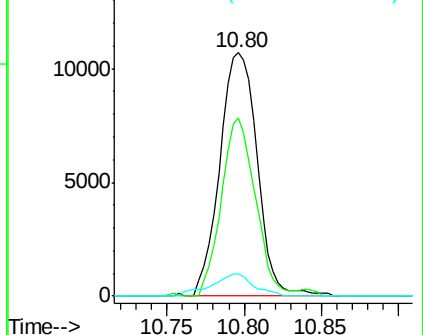
131 9.2 8.4 12.6

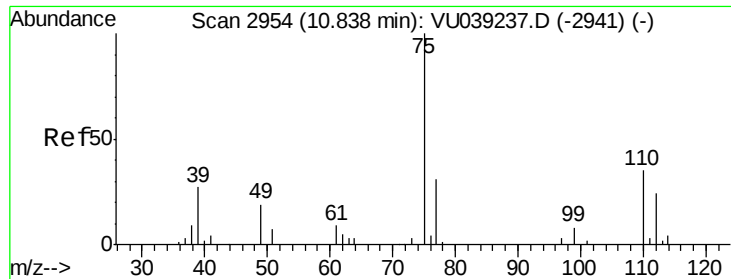


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

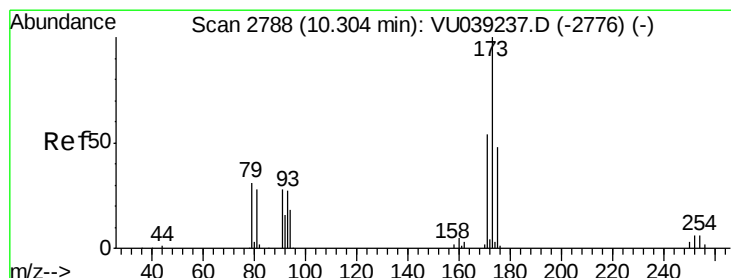
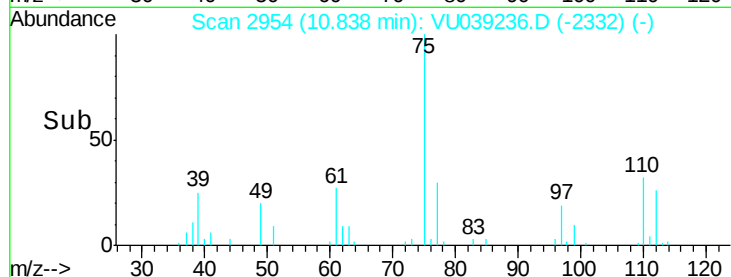
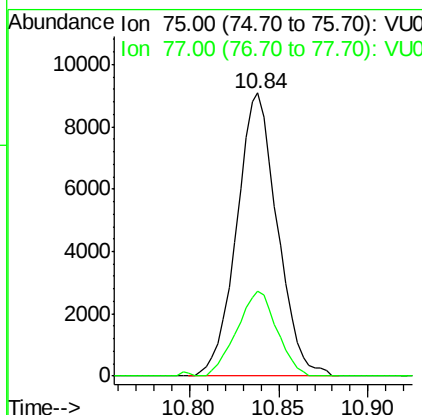
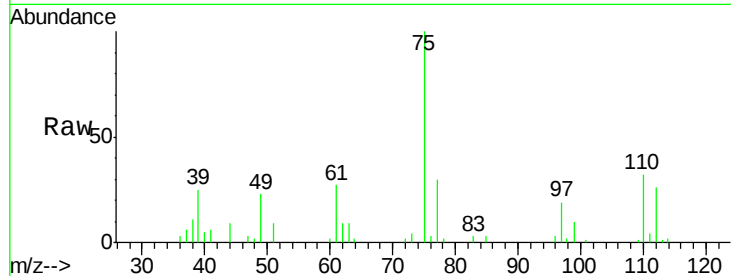




#59
 1,2,3-Trichloropropane
 Concen: 1.124 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. 0.00 min
 Lab File: VU039236.D
 Acq: 30 Jun 2020 13:52

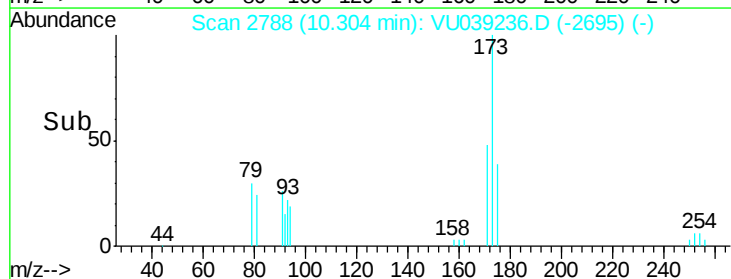
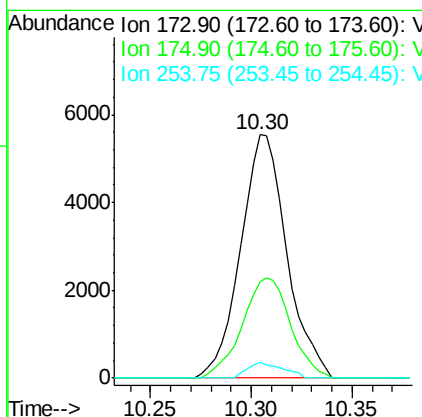
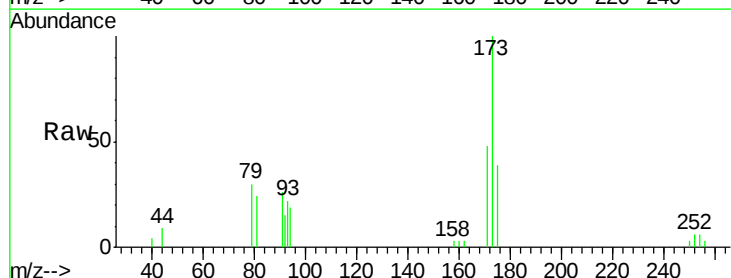
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

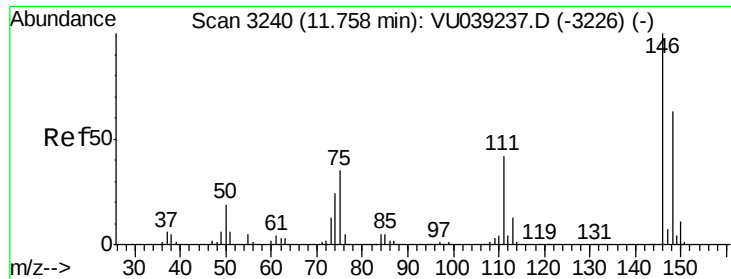
Tgt Ion: 75 Resp: 14487
 Ion Ratio Lower Upper
 75 100
 77 29.5 24.6 36.8



#61
 Bromoform
 Concen: 0.941 ug/L
 RT: 10.30 min Scan# 2788
 Delta R.T. 0.00 min
 Lab File: VU039236.D
 Acq: 30 Jun 2020 13:52

Tgt Ion: 173 Resp: 8876
 Ion Ratio Lower Upper
 173 100
 175 43.0 38.6 58.0
 254 5.0 5.0 7.6#

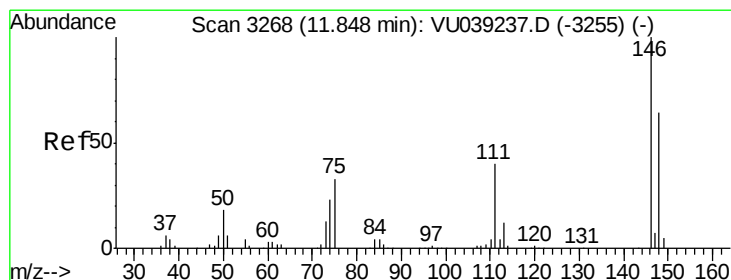
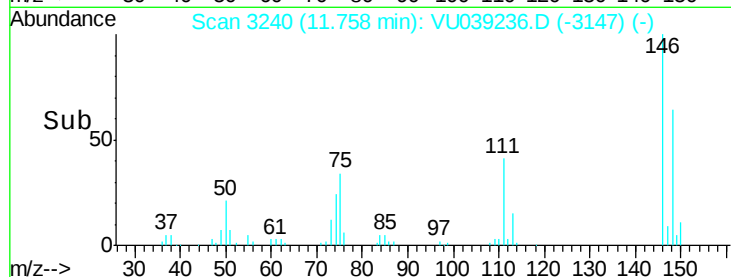
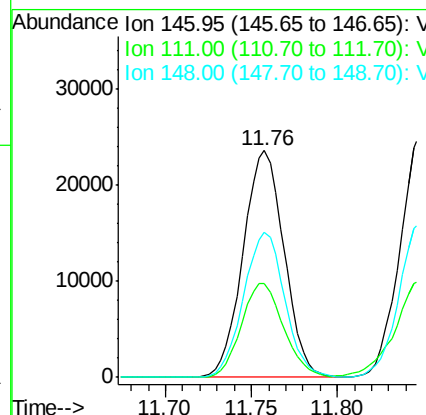
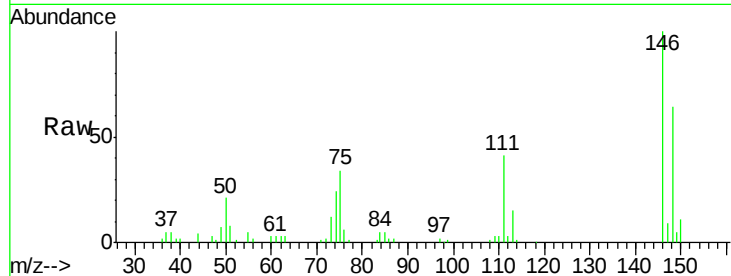




#62
 1,3-Dichlorobenzene
 Concen: 1.047 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU039236.D
 Acq: 30 Jun 2020 13:52

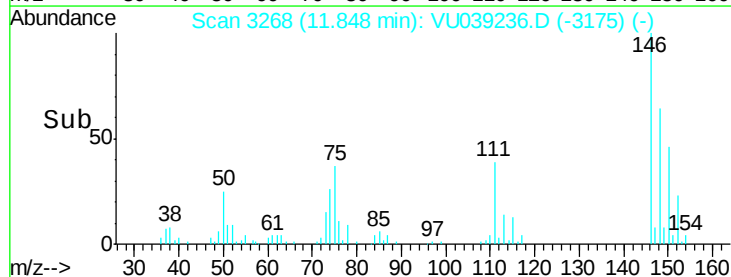
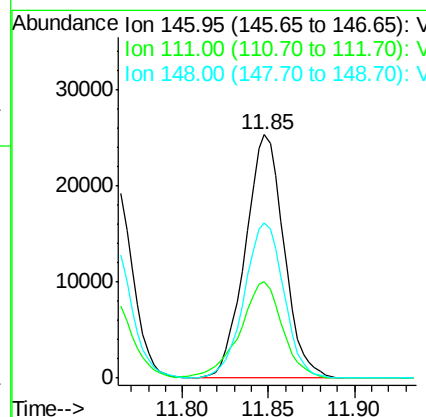
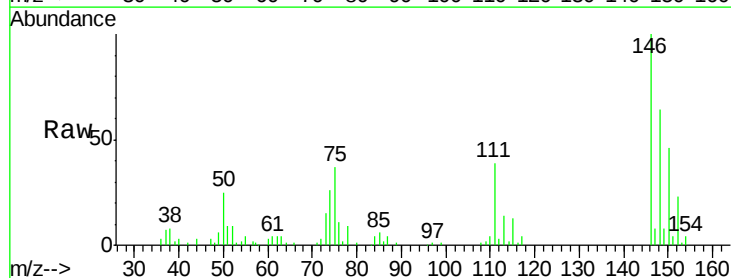
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

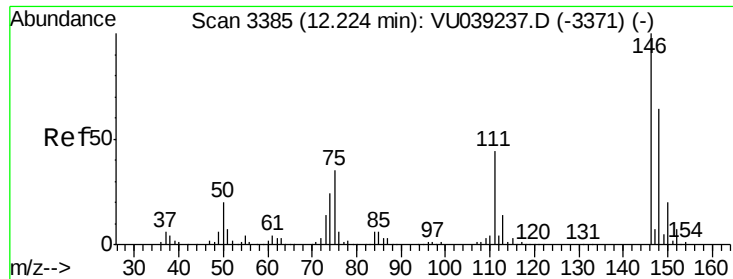
Tgt Ion:146 Resp: 39035
 Ion Ratio Lower Upper
 146 100
 111 41.3 29.6 55.0
 148 63.9 44.0 81.8



#63
 1,4-Dichlorobenzene
 Concen: 1.050 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. 0.00 min
 Lab File: VU039236.D
 Acq: 30 Jun 2020 13:52

Tgt Ion:146 Resp: 39501
 Ion Ratio Lower Upper
 146 100
 111 39.4 28.3 52.5
 148 63.8 44.6 82.8





#65

1,2-Dichlorobenzene

Concen: 1.070 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. 0.00 min

Lab File: VU039236.D

Acq: 30 Jun 2020 13:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD00104

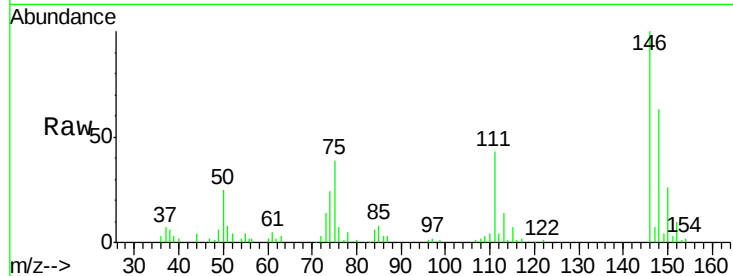
Tgt Ion:146 Resp: 38326

Ion Ratio Lower Upper

146 100

111 42.7 35.1 52.7

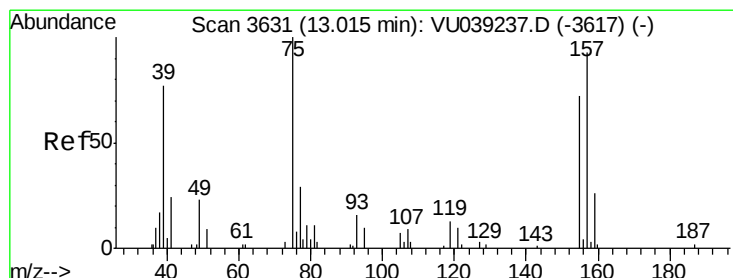
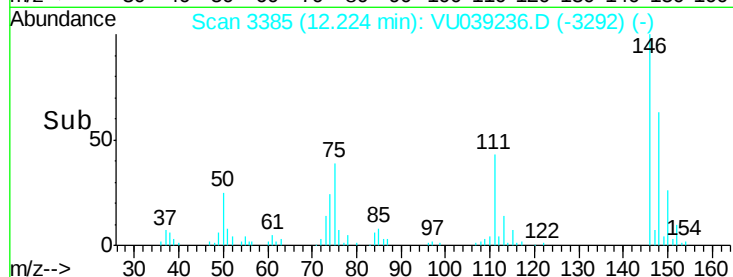
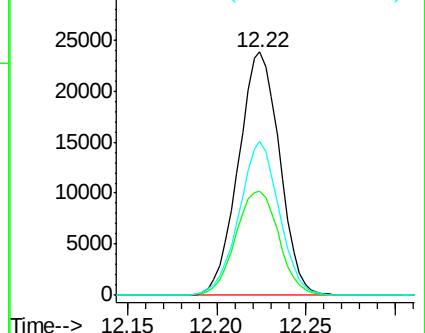
148 63.1 51.4 77.2



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: 0.871 ug/L

RT: 13.01 min Scan# 3630

Delta R.T. -0.00 min

Lab File: VU039236.D

Acq: 30 Jun 2020 13:52

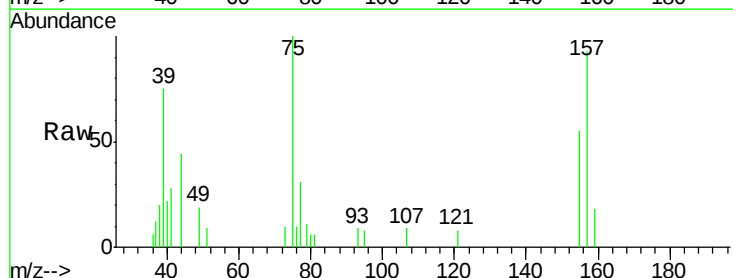
Tgt Ion: 75 Resp: 3112

Ion Ratio Lower Upper

75 100

155 55.4 57.9 86.9#

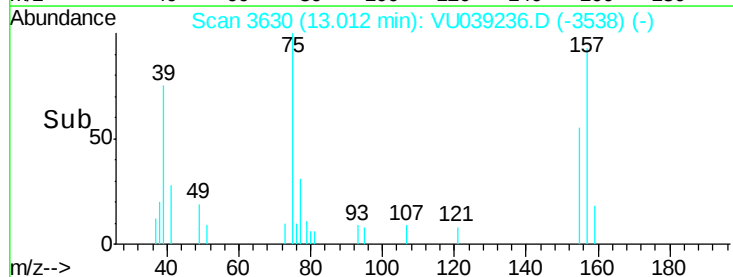
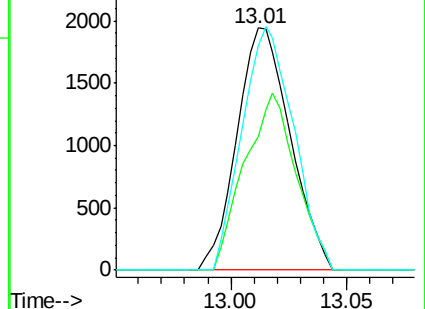
157 93.0 74.2 111.2

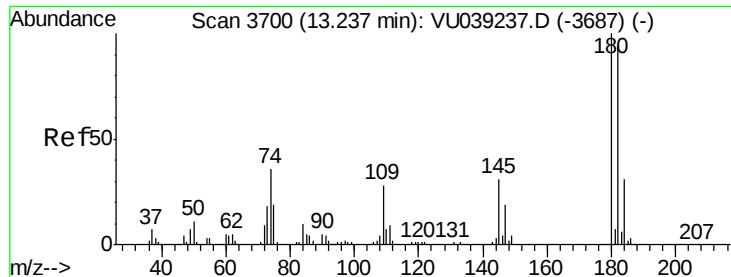


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

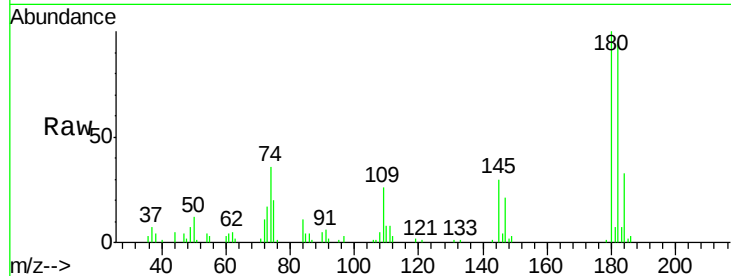




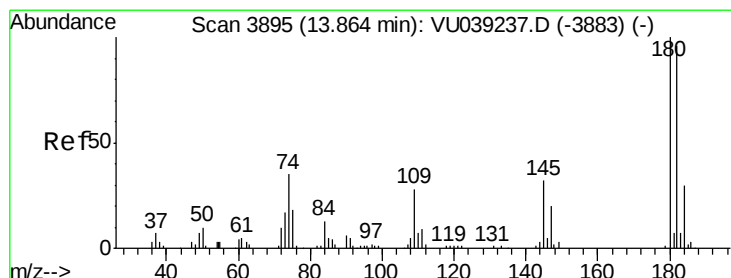
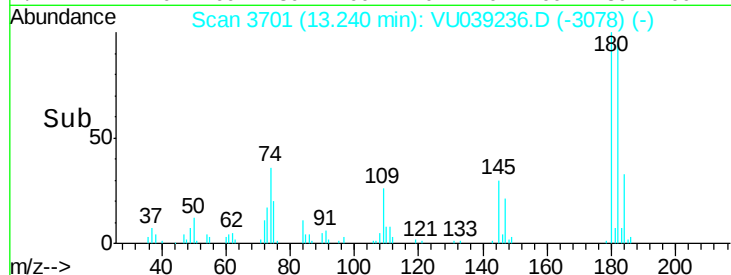
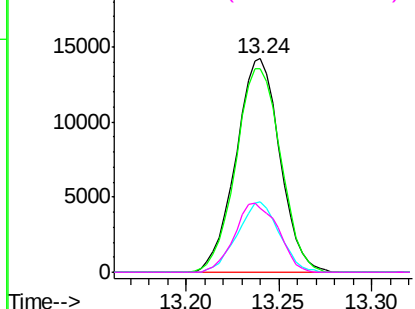
#67
 1,3,5-Trichlorobenzene
 Concen: 0.861 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU039236.D
 Acq: 30 Jun 2020 13:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

Tgt Ion:180 Resp: 23384
 Ion Ratio Lower Upper
 180 100
 182 97.1 75.5 113.3
 184 31.5 24.6 37.0
 145 32.1 24.2 36.2

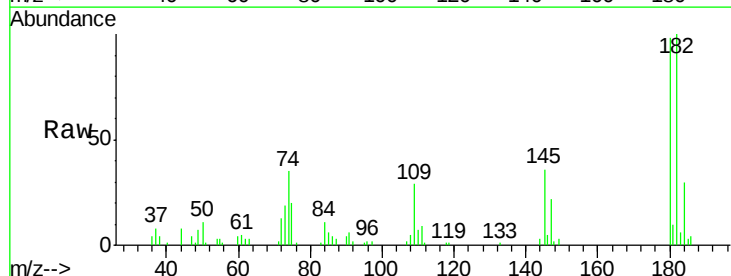


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

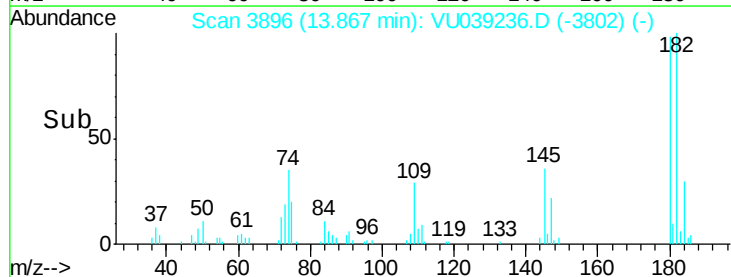
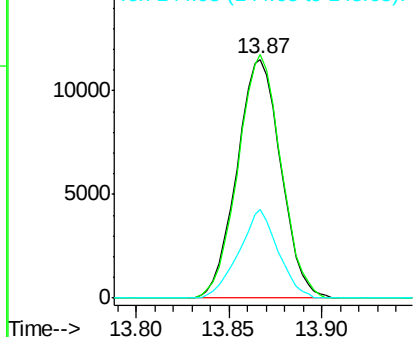


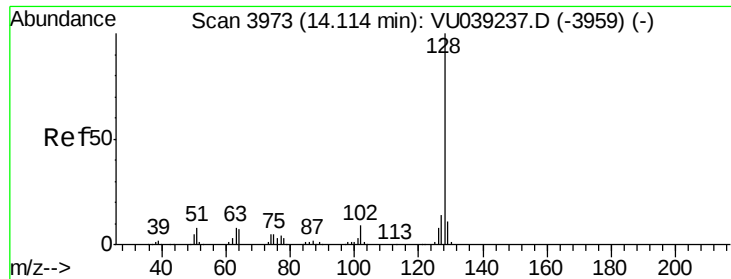
#68
 1,2,4-trichlorobenzene
 Concen: 0.805 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU039236.D
 Acq: 30 Jun 2020 13:52

Tgt Ion:180 Resp: 18923
 Ion Ratio Lower Upper
 180 100
 182 99.8 78.3 117.5
 145 33.2 25.9 38.9



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: 0.704 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU039236.D

Acq: 30 Jun 2020 13:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD00104

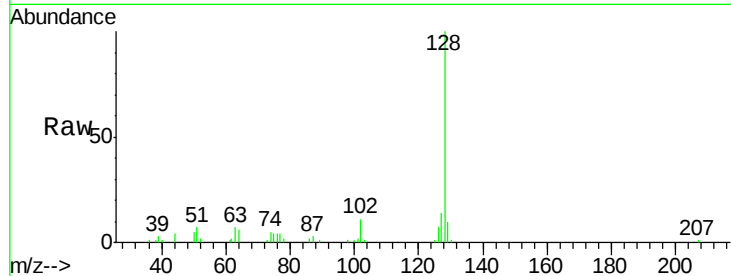
Tgt Ion:128 Resp: 31434

Ion Ratio Lower Upper

128 100

129 9.5 9.0 13.6

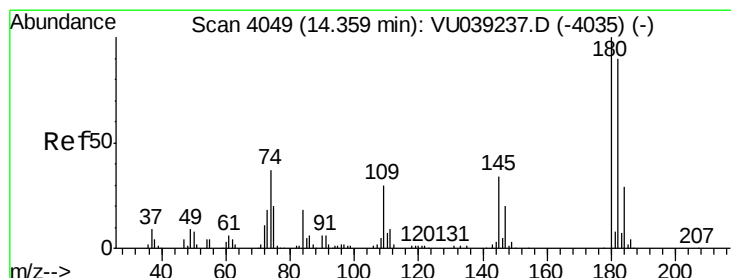
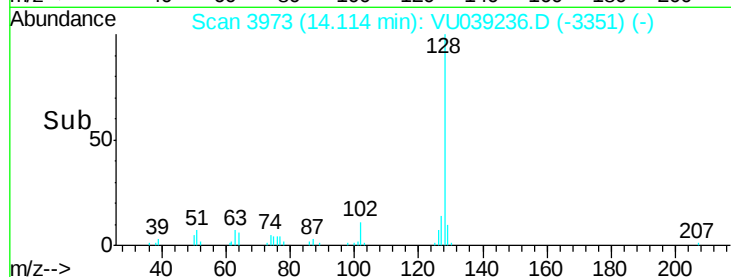
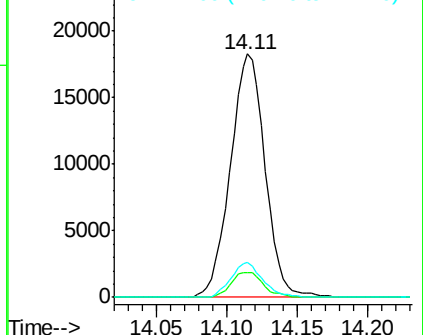
127 13.1 10.7 16.1



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: 0.827 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU039236.D

Acq: 30 Jun 2020 13:52

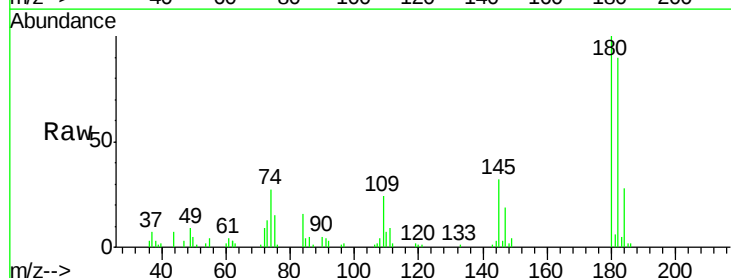
Tgt Ion:180 Resp: 18555

Ion Ratio Lower Upper

180 100

182 93.4 73.6 110.4

145 36.4 28.0 42.0



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

