

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122120\
 Data File : VU041717.D
 Acq On : 21 Dec 2020 23:43
 Operator : SY/MD
 Sample : L5162-06
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB252

Quant Time: Dec 22 06:03:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 22 05:59:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	128958	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	124553	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	52991	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	36770	3.65	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.00%
7) Chloroethane-d5	1.92	69	37771	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.80%
11) 1,1-Dichloroethene-d2	2.58	63	59034	3.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.60%
20) 2-Butanone-d5	4.65	46	177912	61.43	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.86%
24) Chloroform-d	5.08	84	87885	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
26) 1,2-Dichloroethane-d4	5.72	65	51672	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.40%
32) Benzene-d6	5.74	84	170348	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	6.70	67	57981	5.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.60%
41) Toluene-d8	7.91	98	140736	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.40%
43) trans-1,3-Dichloropropene-	8.19	79	24028	4.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.60%
46) 2-Hexanone-d5	8.64	63	155227	56.47	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.94%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	60026	5.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	118.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	53654	5.69	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.80%

Target Compounds

					Ovalue
8) Chloroethane	1.94	64	310	0.039 ug/L #	44
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	396	0.045 ug/L #	22
12) 1,1-Dichloroethene	2.59	96	584	0.067 ug/L #	1
13) Acetone	2.66	43	8923	4.844 ug/L	97
21) 2-Butanone	4.73	43	3491	1.163 ug/L	86
25) Chloroform	5.10	83	3799	0.223 ug/L	91
35) Methylcyclohexane	6.70	83	13816	0.854 ug/L #	20
37) 1,2-Dichloropropane	6.70	63	5923	0.581 ug/L #	88
39) cis-1,3-Dichloropropene	7.58	75	1159	0.077 ug/L #	22
42) Toluene	7.98	91	4519	0.110 ug/L	98
44) trans-1,3-Dichloropropene	8.18	75	884	0.065 ug/L #	60
48) 2-Hexanone	8.64	43	15755	2.986 ug/L #	69
51) Chlorobenzene	9.45	112	1239	0.048 ug/L	93
53) m,p-Xylene	9.69	106	1494	0.091 ug/L	92
59) 1,2,3-Trichloropropane	11.81	75	6134	0.802 ug/L	100

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Quant Time: Dec 22 06:03:30 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 22 05:59:09 2020
Response via : Initial Calibration

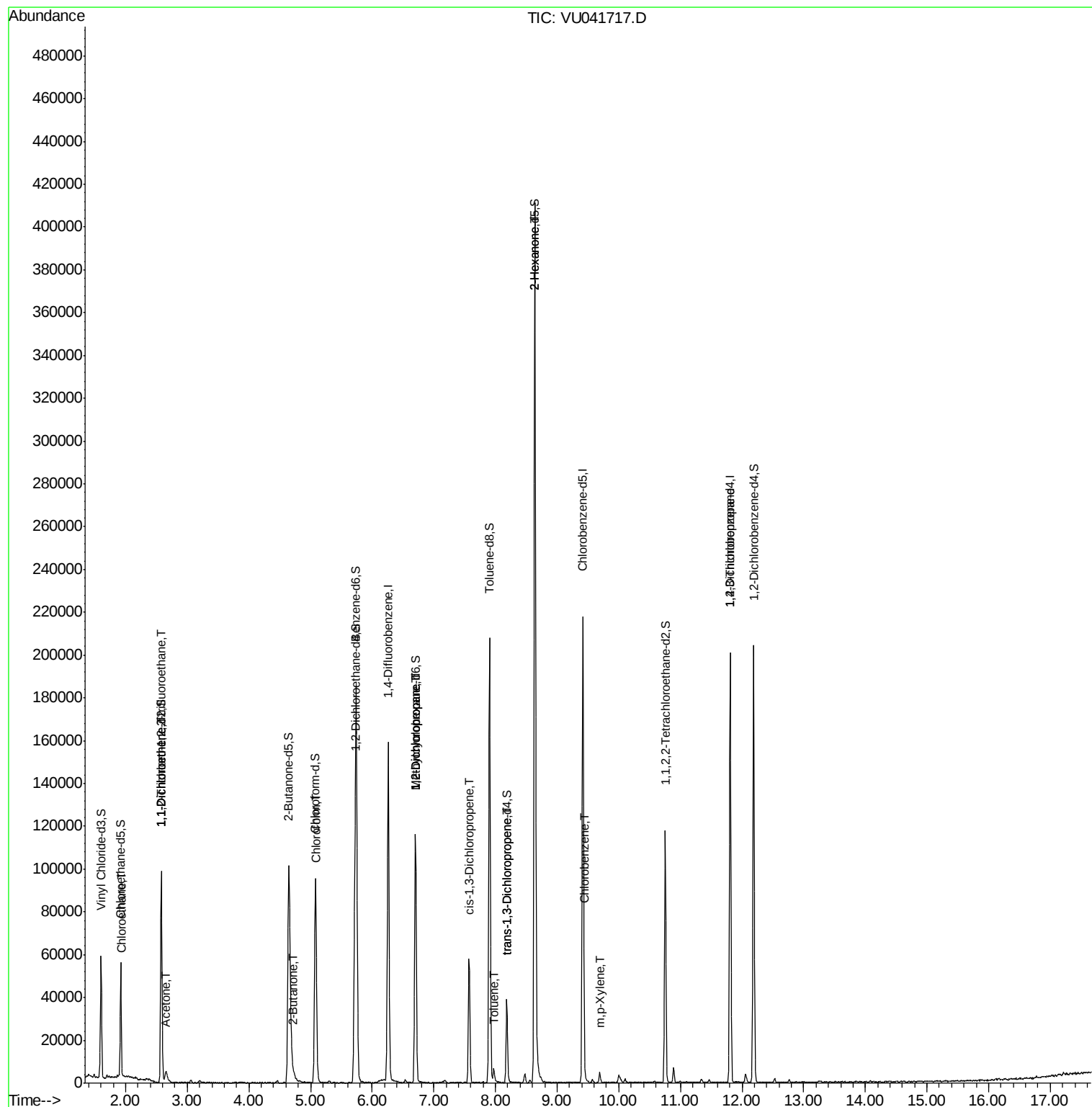
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

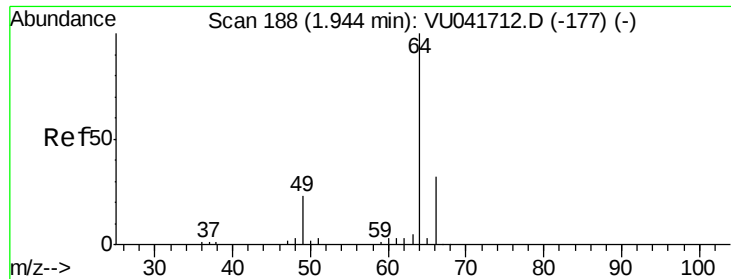
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 22 05:59:09 2020
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.039 ug/L

RT: 1.94 min Scan# 186

Delta R.T. -0.01 min

Lab File: VU041717.D

Acq: 21 Dec 2020 23:43

Instrument :

MSVOA_U

ClientSampleId :

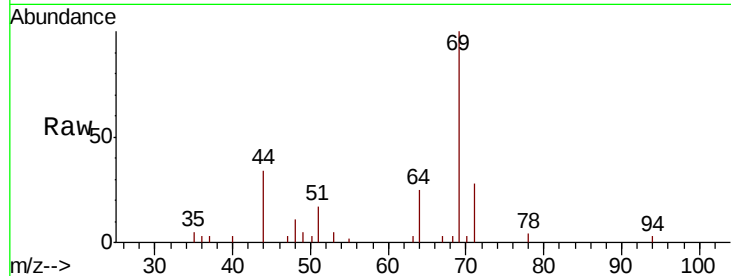
GB252

Tot Ion: 64 Resp: 310

Ion Ratio Lower Upper

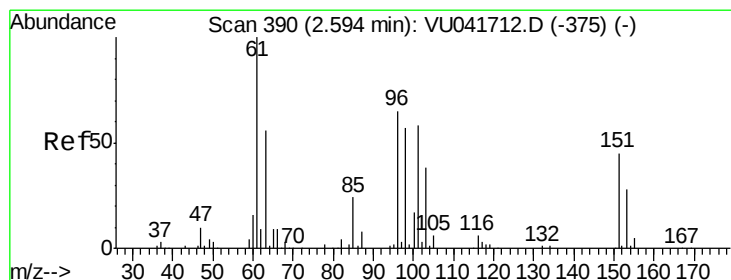
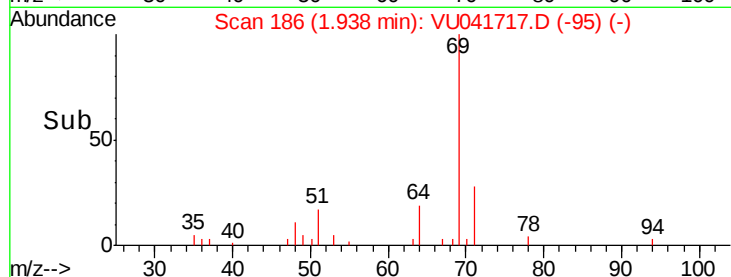
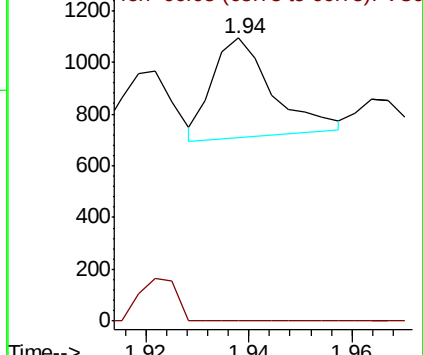
64 100

66 0.0 21.6 40.0#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#10

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

Concen: 0.045 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU041717.D

Acq: 21 Dec 2020 23:43

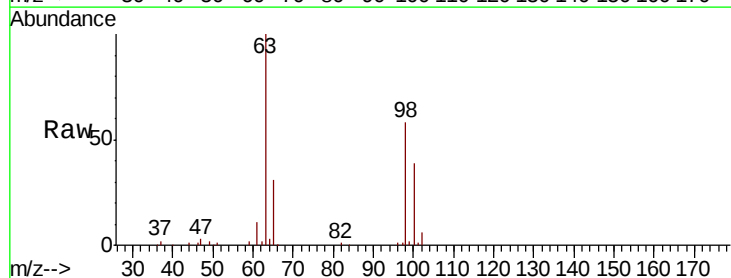
Tgt Ion: 101 Resp: 396

Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

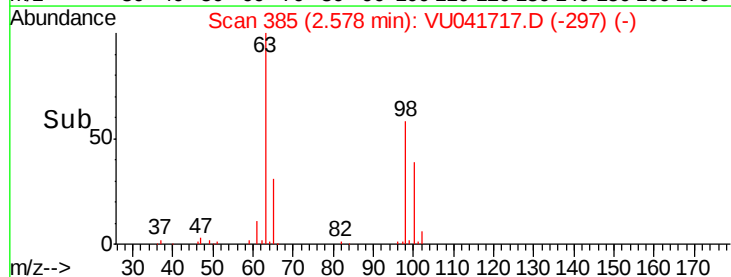
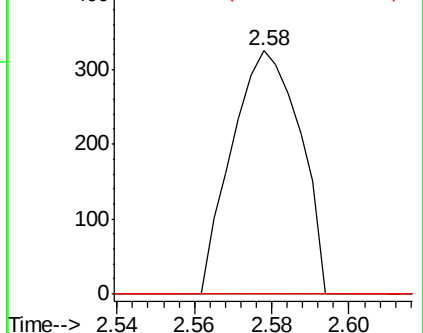
151 0.0 56.2 84.4#

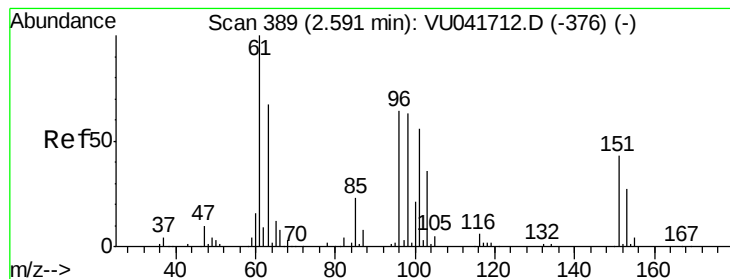


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 0.067 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU041717.D

Acq: 21 Dec 2020 23:43

Instrument :

MSVOA_U

ClientSampleId :

GB252

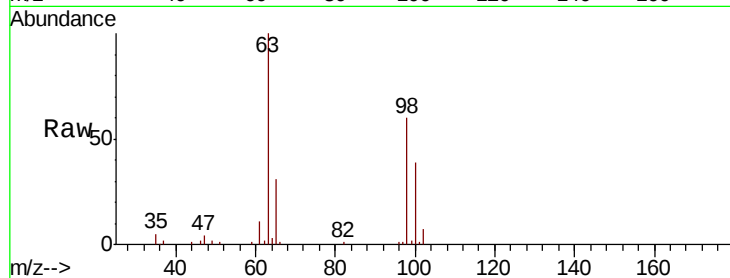
Tot Ion: 96 Resp: 584

Ion Ratio Lower Upper

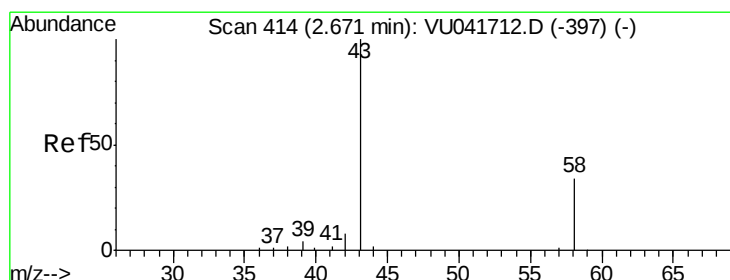
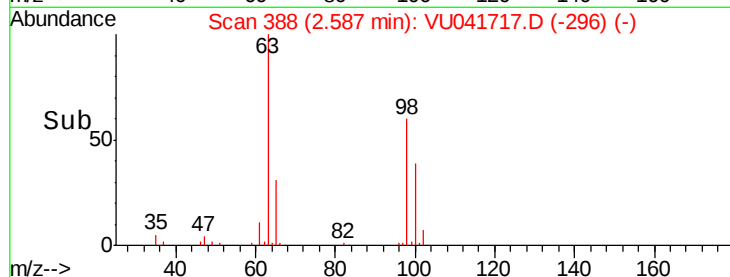
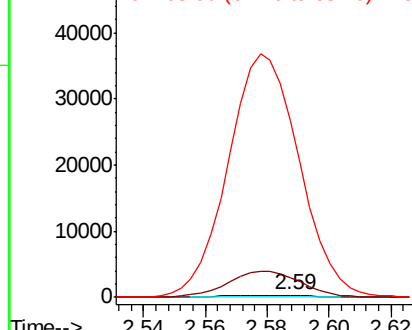
96 100

61 962.3 123.8 230.0#

63 8640.0 81.0 150.4#



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: 4.844 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.02 min

Lab File: VU041717.D

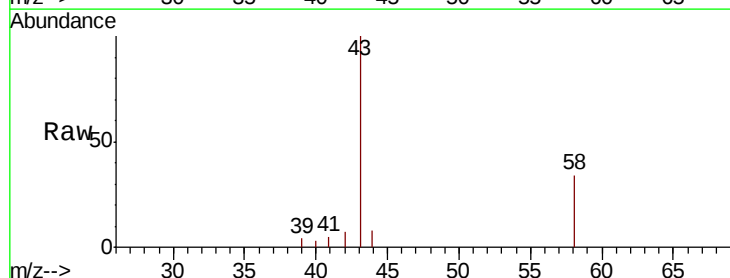
Acq: 21 Dec 2020 23:43

Tgt Ion: 43 Resp: 8923

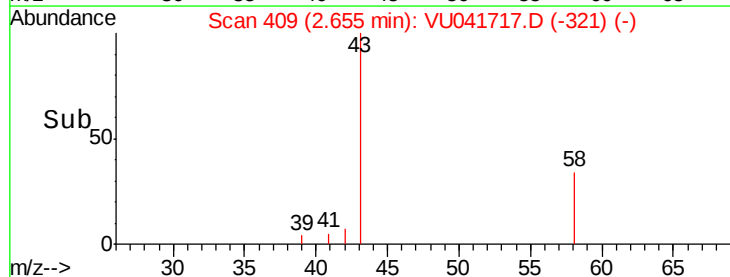
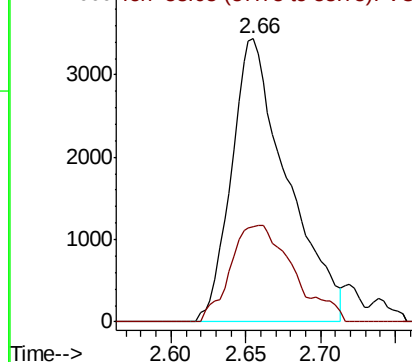
Ion Ratio Lower Upper

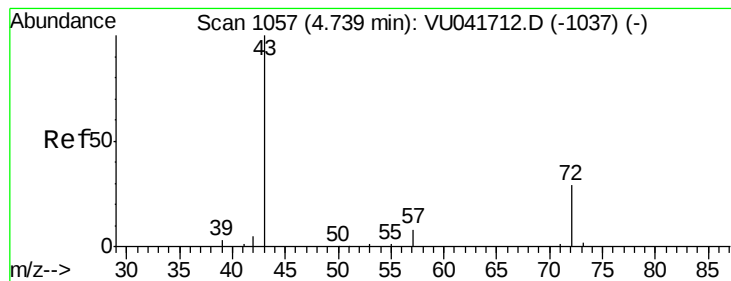
43 100

58 38.4 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0





#21

2-Butanone

Concen: 1.163 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. -0.01 min

Lab File: VU041717.D

Acq: 21 Dec 2020 23:43

Instrument :

MSVOA_U

ClientSampleId :

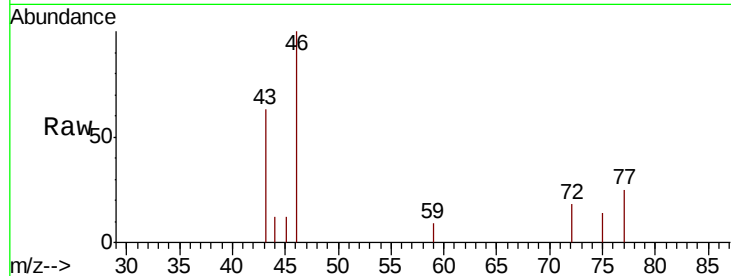
GB252

Tot Ion: 43 Resp: 3491

Ion Ratio Lower Upper

43 100

72 21.9 14.6 44.0



Abundance Ion 43.05 (42.75 to 43.75): VU041717.D (-964) (-)

Ion 72.10 (71.80 to 72.80): VU041717.D (-964) (-)

Time-->

4.65 4.70 4.75 4.80

1500

1000

500

0

4.73

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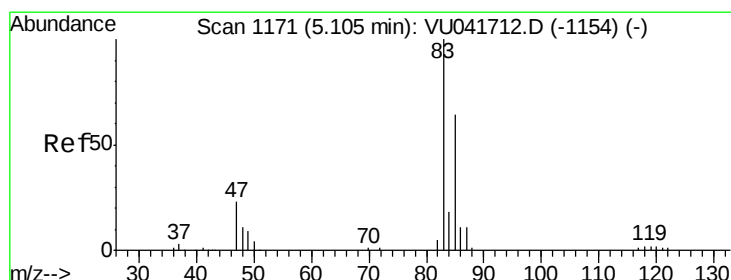
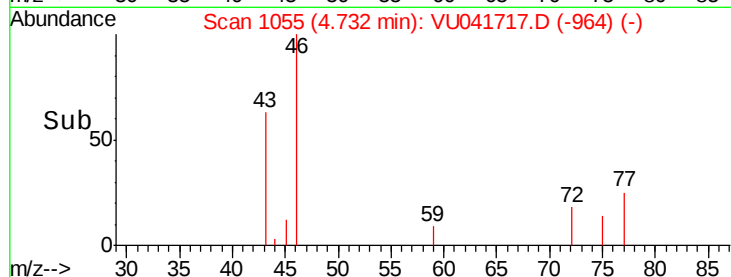
4.65 4.70 4.75 4.80

4.65 4.70 4.75 4.80

4.65 4.70 4.75 4.80

4.65 4.70 4.75 4.80

4.65 4.70 4.75 4.80



#25

Chloroform

Concen: 0.223 ug/L

RT: 5.10 min Scan# 1169

Delta R.T. -0.01 min

Lab File: VU041717.D

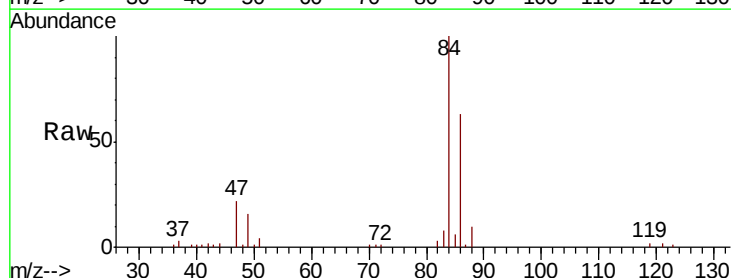
Acq: 21 Dec 2020 23:43

Tgt Ion: 83 Resp: 3799

Ion Ratio Lower Upper

83 100

85 70.4 44.2 82.0



Abundance Ion 83.05 (82.75 to 83.75): VU041717.D (-1078) (-)

Ion 85.00 (84.70 to 85.70): VU041717.D (-1078) (-)

Time-->

5.05 5.10 5.15

1500

1000

500

0

5.10

5.05 5.10 5.15

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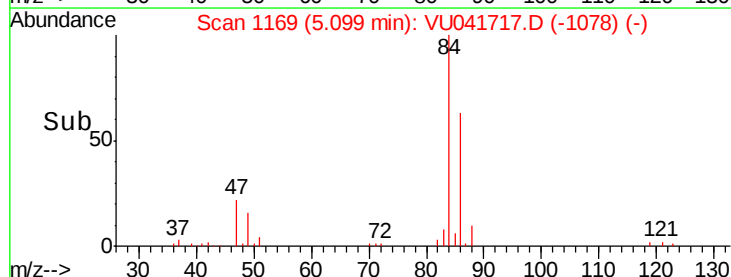
5.05 5.10 5.15

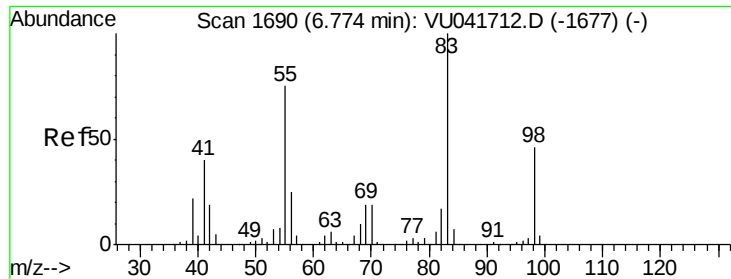
5.05 5.10 5.15

5.05 5.10 5.15

5.05 5.10 5.15

5.05 5.10 5.15

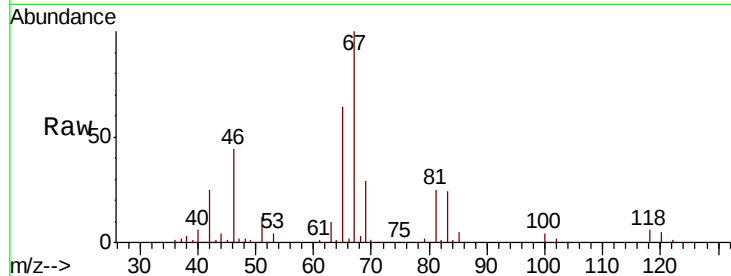




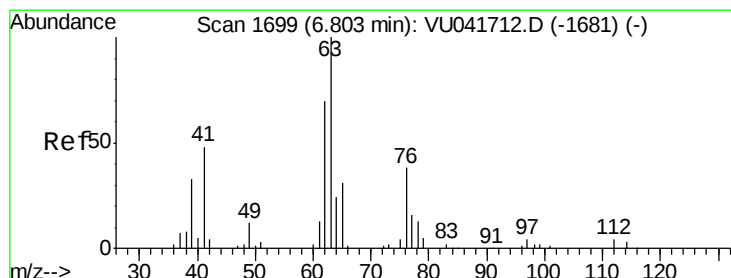
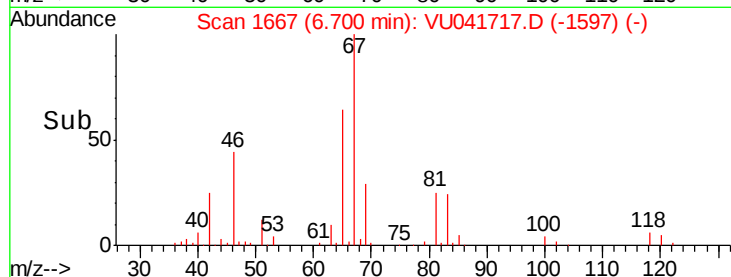
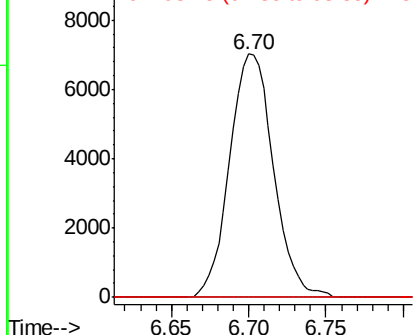
#35
Methvlcvclohexane
Concen: 0.854 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU041717.D
Acq: 21 Dec 2020 23:43

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Tot Ion	83.15	Resp	13816
Ion	Ratio	Lower	Upper
83	100		
55	0.0	61.2	91.8#
98	2.1	36.6	54.8#

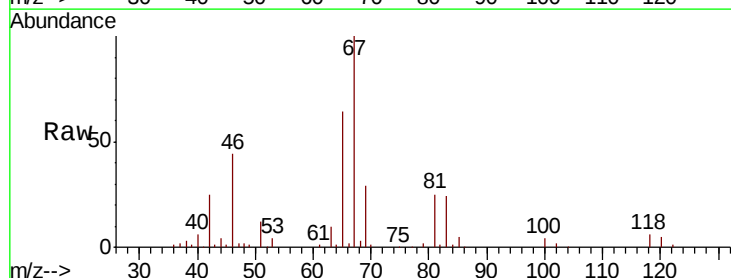


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

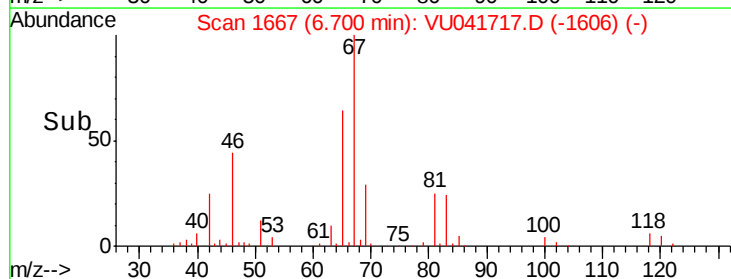
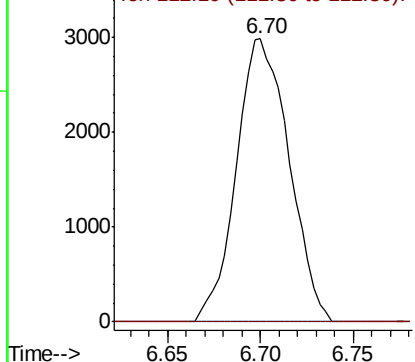


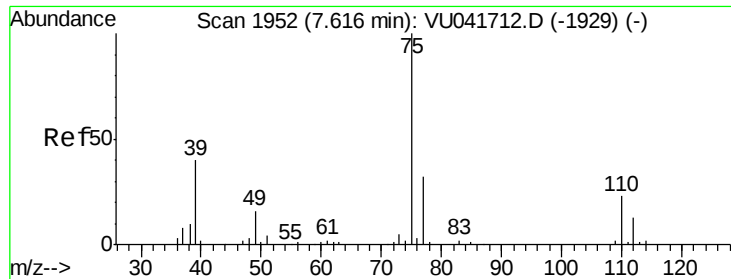
#37
1,2-Dichloropropane
Concen: 0.581 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU041717.D
Acq: 21 Dec 2020 23:43

Tgt Ion	63	Resp	5923
Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.1	4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

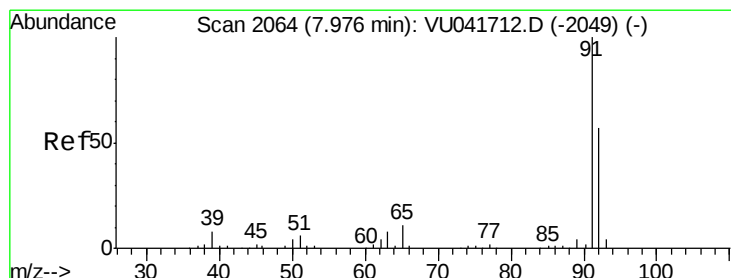
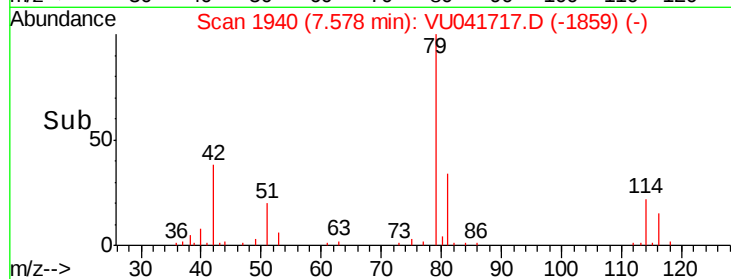
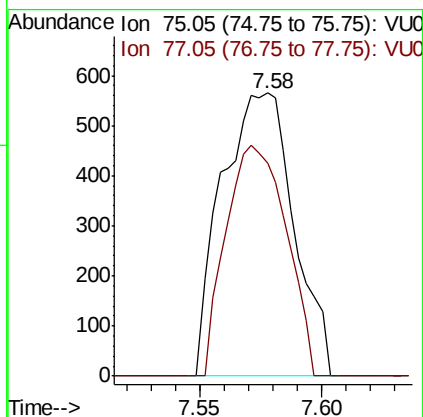
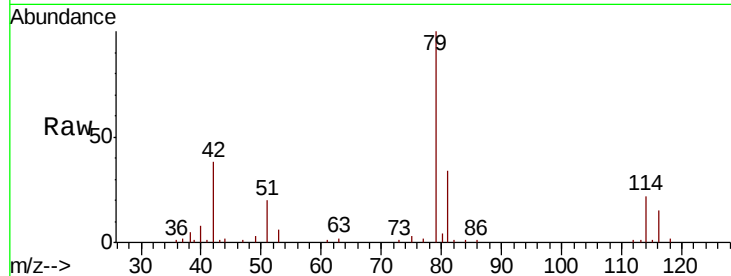




#39
 cis-1,3-Dichloropropene
 Concen: 0.077 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU041717.D
 Acq: 21 Dec 2020 23:43

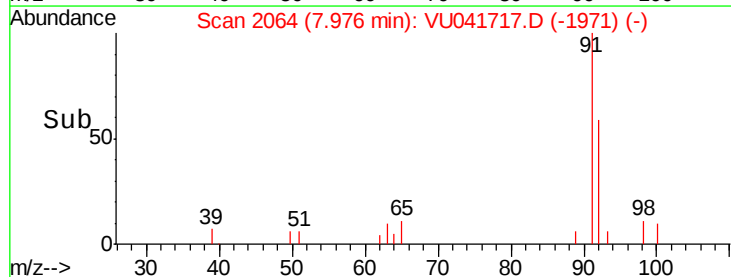
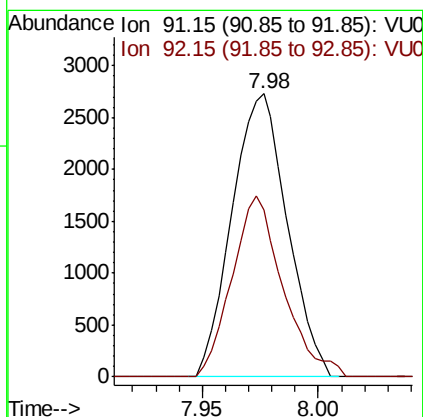
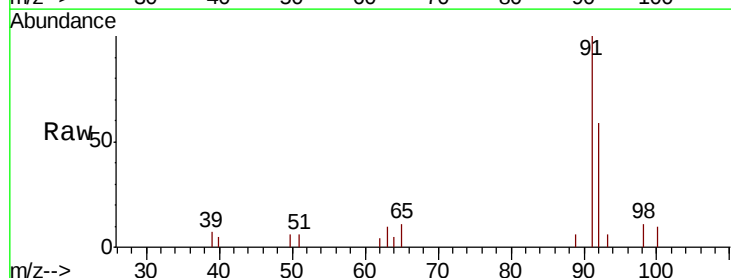
Instrument :
 MSVOA_U
 ClientSampleId :
 GB252

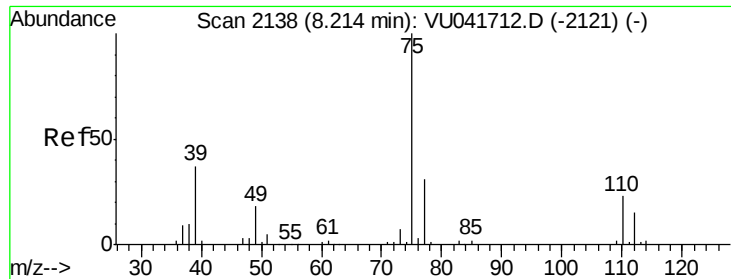
Tot Ion: 75 Resp: 1159
 Ion Ratio Lower Upper
 75 100
 77 75.4 22.3 41.3#



#42
 Toluene
 Concen: 0.110 ug/L
 RT: 7.98 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VU041717.D
 Acq: 21 Dec 2020 23:43

Tgt Ion: 91 Resp: 4519
 Ion Ratio Lower Upper
 91 100
 92 58.9 40.0 74.2

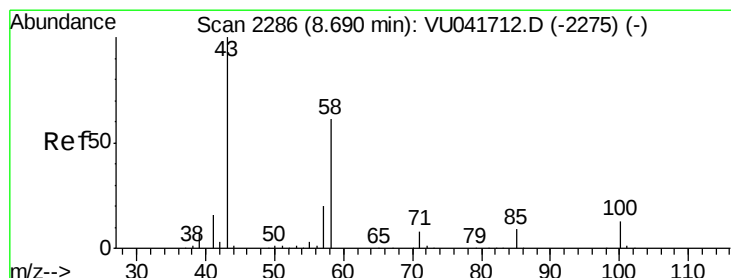
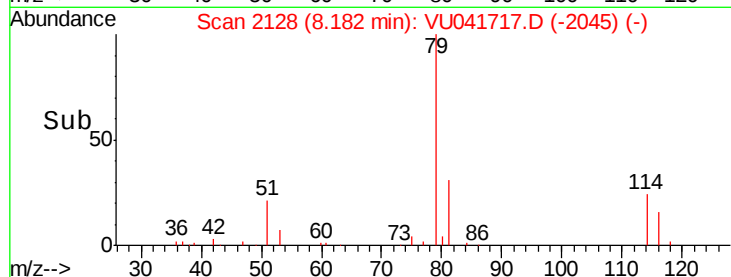
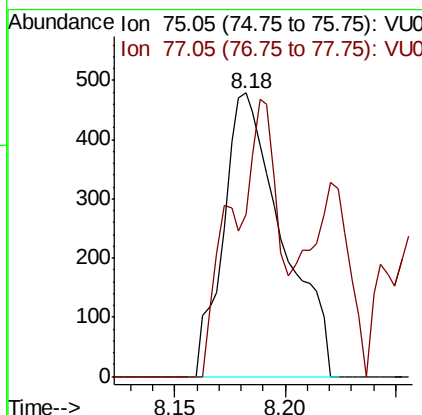
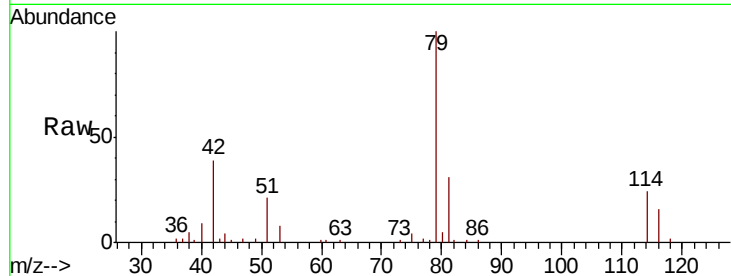




#44
trans-1,3-Dichloropropene
Concen: 0.065 ug/L
RT: 8.18 min Scan# 2128
Delta R.T. -0.03 min
Lab File: VU041717.D
Acq: 21 Dec 2020 23:43

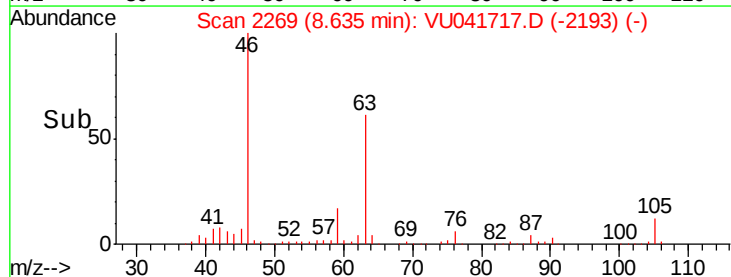
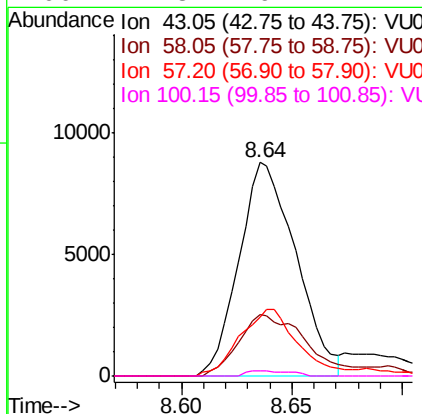
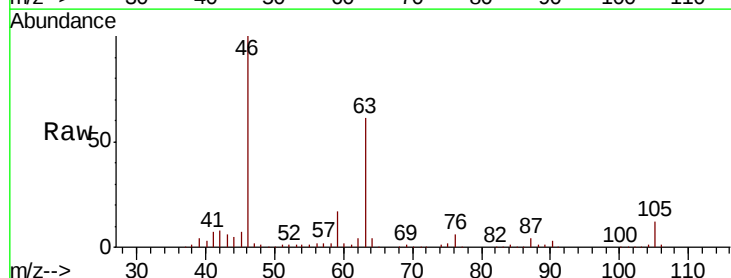
Instrument :
MSVOA_U
ClientSampled :
GB252

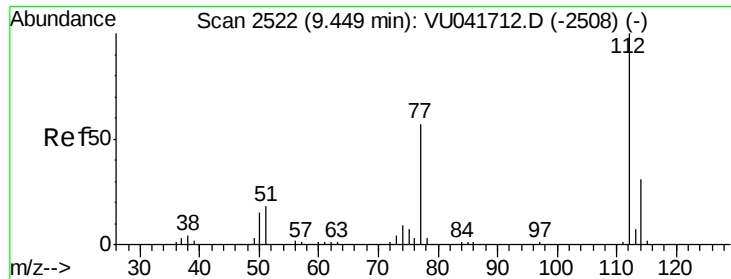
Tot Ion: 75 Resp: 884
Ion Ratio Lower Upper
75 100
77 57.1 23.8 44.2#



#48
2-Hexanone
Concen: 2.986 ug/L
RT: 8.64 min Scan# 2269
Delta R.T. -0.05 min
Lab File: VU041717.D
Acq: 21 Dec 2020 23:43

Tgt Ion: 43 Resp: 15755
Ion Ratio Lower Upper
43 100
58 34.1 47.9 71.9#
57 32.1 16.5 24.7#
100 1.8 9.4 14.2#

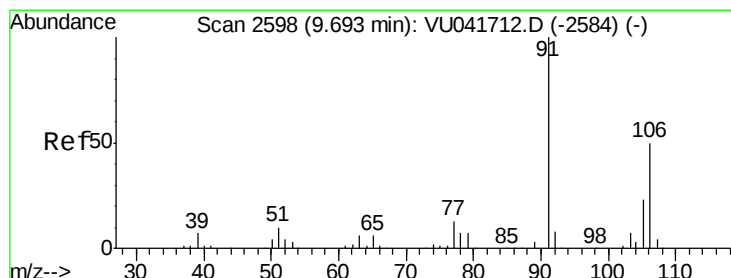
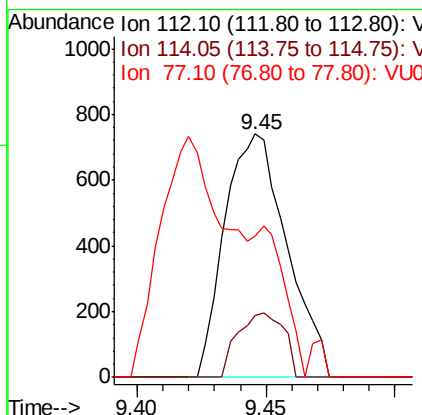
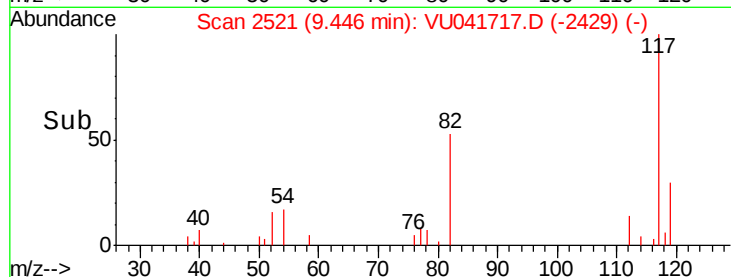
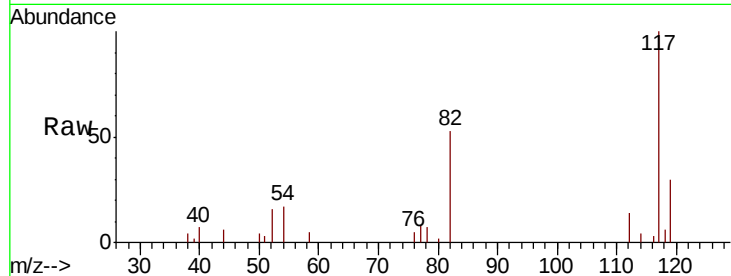




#51
Chlorobenzene
Concen: 0.048 ug/L
RT: 9.45 min Scan# 2521
Delta R.T. -0.00 min
Lab File: VU041717.D
Acq: 21 Dec 2020 23:43

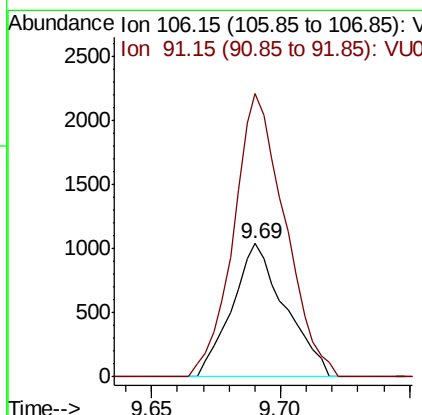
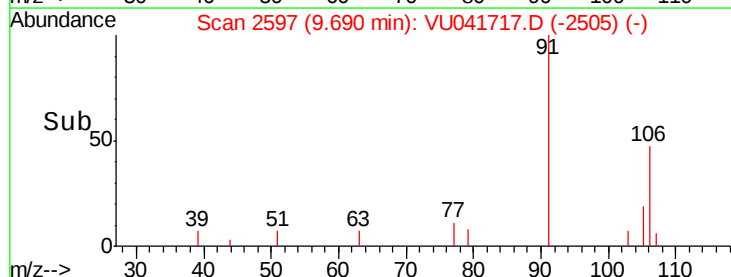
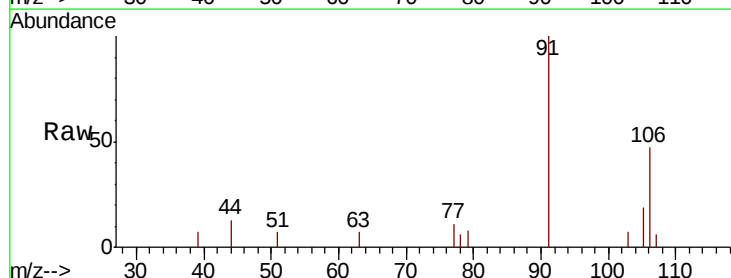
Instrument :
MSVOA_U
ClientSampleId :
GB252

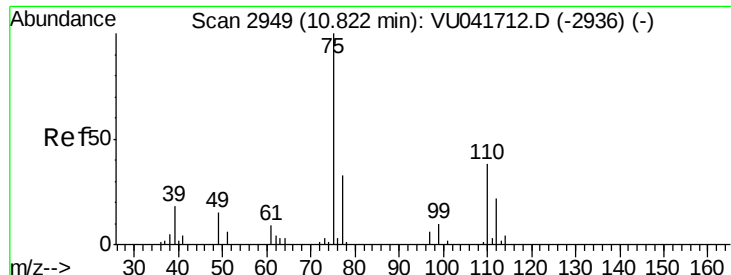
Tot Ion:112 Resp: 1239
Ion Ratio Lower Upper
112 100
114 25.2 22.7 42.3
77 58.0 49.1 73.7



#53
m,p-Xylene
Concen: 0.091 ug/L
RT: 9.69 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VU041717.D
Acq: 21 Dec 2020 23:43

Tgt Ion:106 Resp: 1494
Ion Ratio Lower Upper
106 100
91 212.3 140.4 260.8





#59

1,2,3-Trichloropropane

Concen: 0.802 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041717.D

Acq: 21 Dec 2020 23:43

Instrument :

MSVOA_U

ClientSampleId :

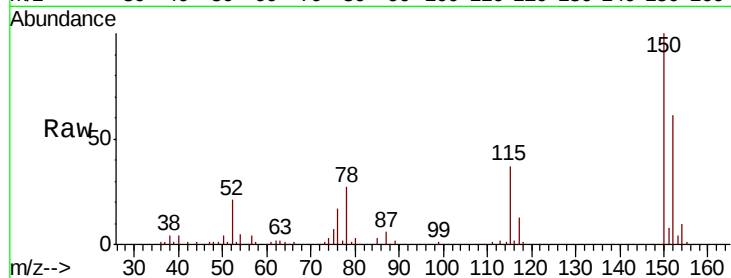
GB252

Tot Ion: 75 Resp: 6134

Ion Ratio Lower Upper

75 100

77 32.9 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

