

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122320\
 Data File : VU041784.D
 Acq On : 23 Dec 2020 15:47
 Operator : SY/MD
 Sample : L5161-13
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB238

Quant Time: Dec 24 01:12:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Dec 24 01:08:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	122394	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	118958	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	51291	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	36802	3.85	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.00%
7) Chloroethane-d5	1.92	69	40609	5.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.60%
11) 1,1-Dichloroethene-d2	2.58	63	56344	3.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.00%
20) 2-Butanone-d5	4.66	46	130422	47.45	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.90%
24) Chloroform-d	5.08	84	75230	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
26) 1,2-Dichloroethane-d4	5.72	65	44262	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
32) Benzene-d6	5.74	84	144440	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.80%
36) 1,2-Dichloropropane-d6	6.70	67	47322	4.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.60%
41) Toluene-d8	7.91	98	114890	3.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.80%
43) trans-1,3-Dichloropropene-	8.19	79	18940	3.94	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.80%
46) 2-Hexanone-d5	8.64	63	110787	42.20	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.40%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	43680	4.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	44663	4.90	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	916	0.091	ug/L	82
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	432	0.051	ug/L #	22
13) Acetone	2.66	43	47867	27.379	ug/L	89
15) Methyl Acetate	2.94	43	409	0.090	ug/L #	51
16) Methylene chloride	3.06	84	1507	0.152	ug/L #	71
21) 2-Butanone	4.74	43	3189	1.120	ug/L	88
25) Chloroform	5.11	83	2940	0.182	ug/L	87
27) 1,2-Dichloroethane	5.75	62	878	0.080	ug/L #	73
30) Cyclohexane	5.40	56	1354	0.088	ug/L #	85
31) Carbon tetrachloride	5.54	117	101352	8.580	ug/L	98
35) Methylcyclohexane	6.70	83	11537	0.747	ug/L #	19
37) 1,2-Dichloropropane	6.70	63	4940	0.508	ug/L #	88
44) trans-1,3-Dichloropropene	8.19	75	686	0.053	ug/L #	69
48) 2-Hexanone	8.64	43	13329	2.645	ug/L #	65
59) 1,2,3-Trichloropropane	11.81	75	5571	0.762	ug/L	99

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Instrument :
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ClientSampleId :
GB238

Quant Time: Dec 24 01:12:07 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Dec 24 01:08:18 2020
Response via : Initial Calibration

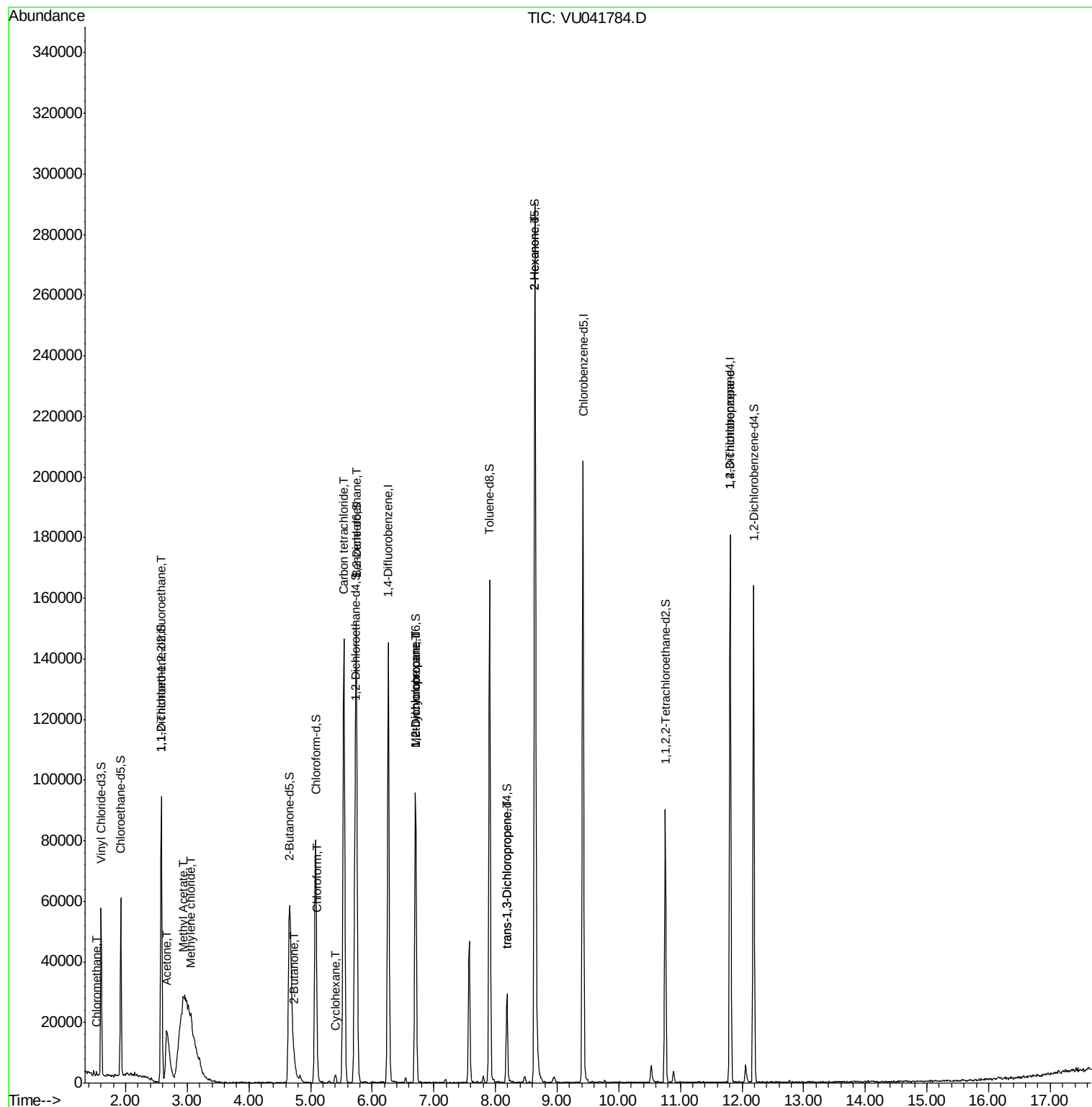
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

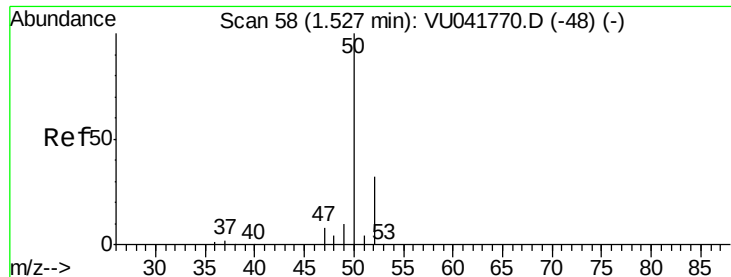
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU122320\
Data File : VU041784.D
Acq On : 23 Dec 2020 15:47
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QLast Update : Thu Dec 24 01:08:18 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.091 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041784.D

Acq: 23 Dec 2020 15:47

Instrument :

MSVOA_U

ClientSampled :

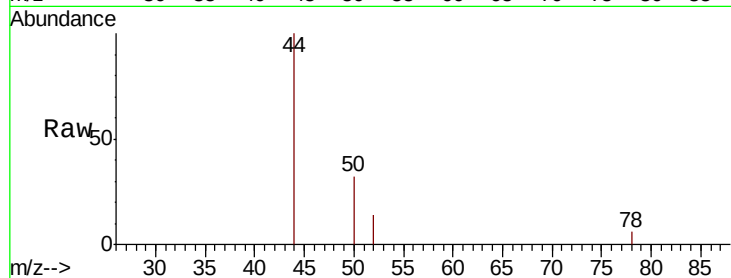
GB238

Tot Ion: 50 Resp: 916

Ion Ratio Lower Upper

50 100

52 44.6 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU041770.D (-48) (-)

Ion 52.05 (51.75 to 52.75): VU041770.D (-48) (-)

1.53

800

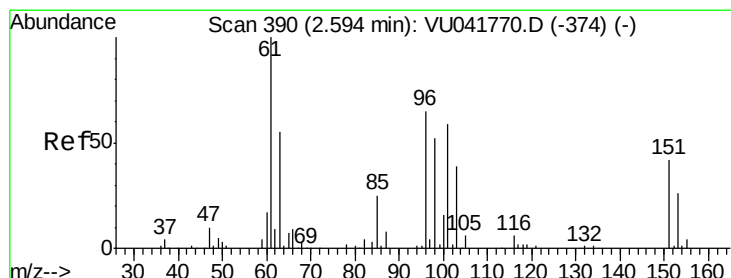
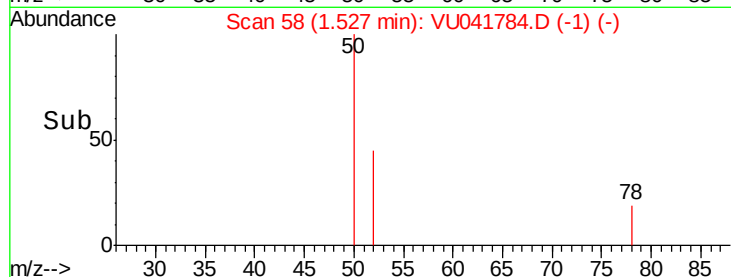
600

400

200

0

Time-->



#10

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

Concen: 0.051 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041784.D

Acq: 23 Dec 2020 15:47

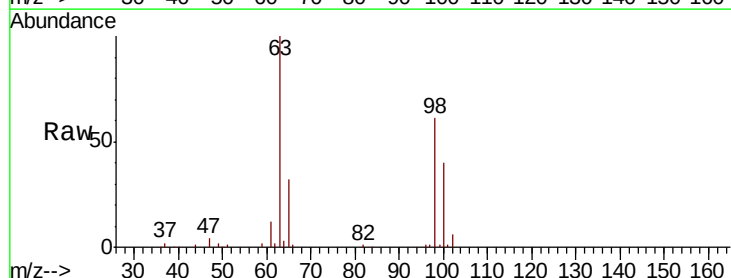
Tgt Ion: 101 Resp: 432

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): VU041770.D (-374) (-)

Ion 85.00 (84.70 to 85.70): VU041770.D (-374) (-)

Ion 151.00 (150.70 to 151.70): VU041770.D (-374) (-)

2.58

400

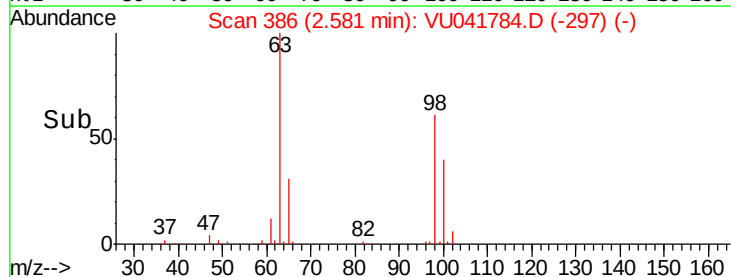
300

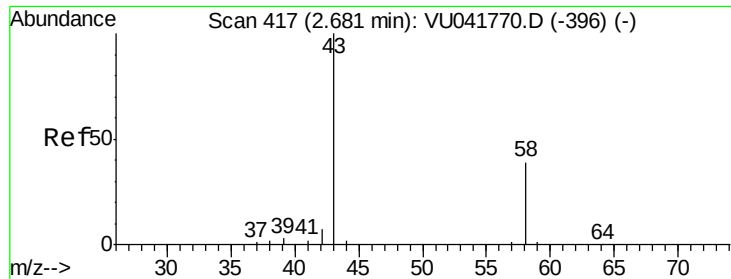
200

100

0

Time-->





#13

Acetone

Concen: 27.379 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.02 min

Lab File: VU041784.D

Acq: 23 Dec 2020 15:47

Instrument :

MSVOA_U

ClientSampleId :

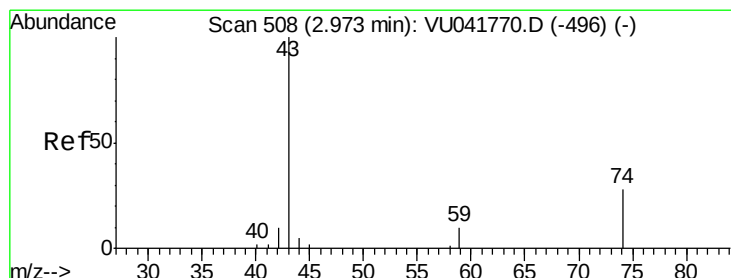
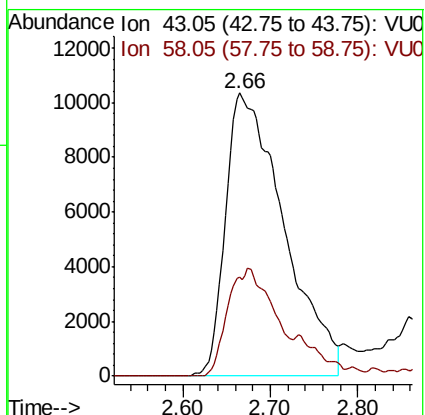
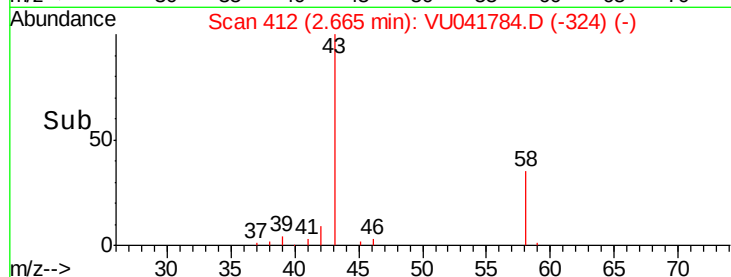
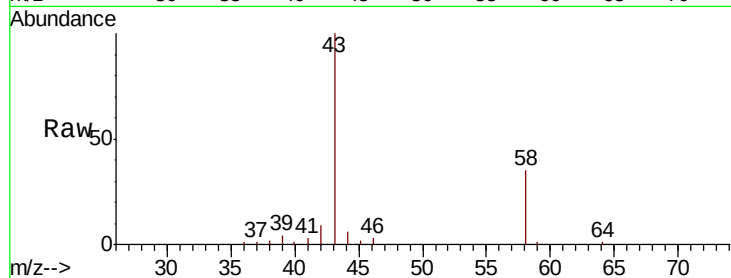
GB238

Tot Ion: 43 Resp: 47867

Ion Ratio Lower Upper

43 100

58 30.0 0.0 73.2



#15

Methyl Acetate

Concen: 0.090 ug/L

RT: 2.94 min Scan# 499

Delta R.T. -0.03 min

Lab File: VU041784.D

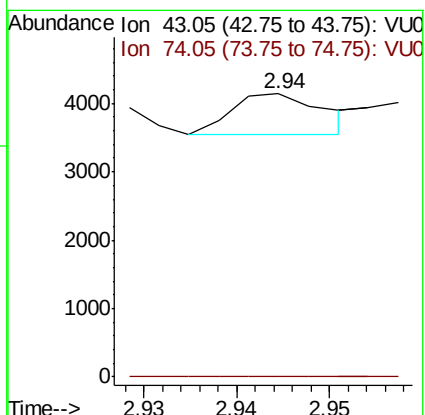
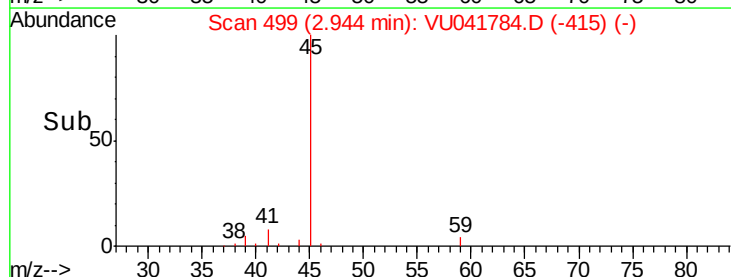
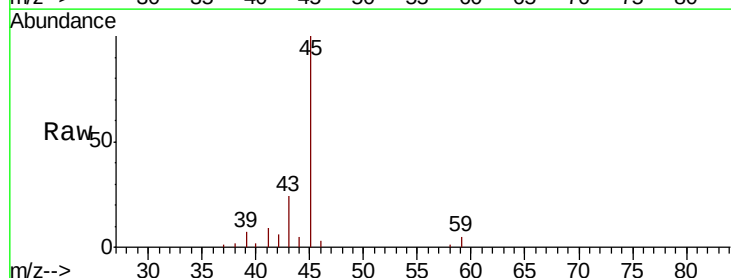
Acq: 23 Dec 2020 15:47

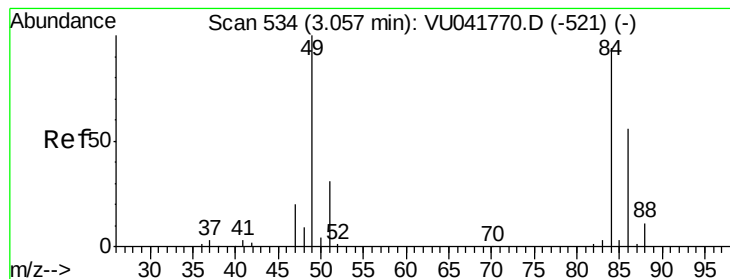
Tgt Ion: 43 Resp: 409

Ion Ratio Lower Upper

43 100

74 0.0 19.2 28.8#





#16

Methvlene chloride

Concen: 0.152 ug/L

RT: 3.06 min Scan# 534

Delta R.T. 0.00 min

Lab File: VU041784.D

Acq: 23 Dec 2020 15:47

Instrument :

MSVOA_U

ClientSampleId :

GB238

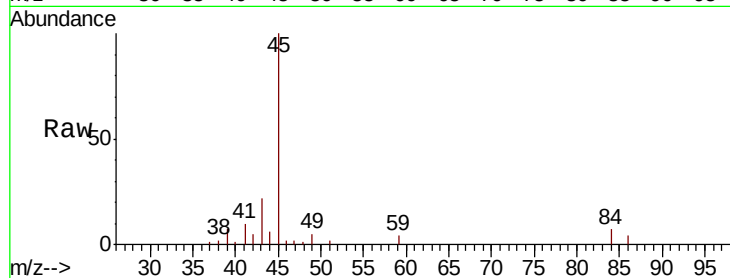
Tot Ion: 84 Resp: 1507

Ion Ratio Lower Upper

84 100

86 61.1 45.1 83.7

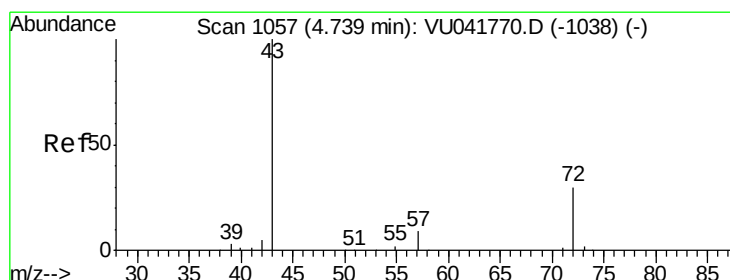
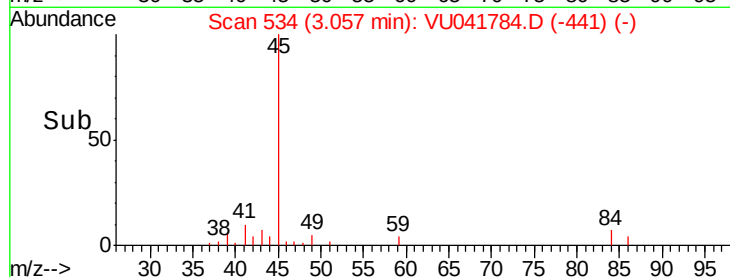
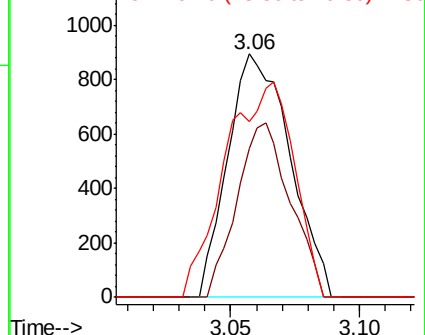
49 72.1 83.1 154.3#



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0



#21

2-Butanone

Concen: 1.120 ug/L

RT: 4.74 min Scan# 1057

Delta R.T. 0.00 min

Lab File: VU041784.D

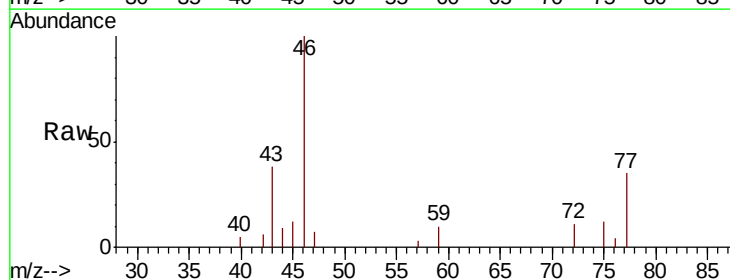
Acq: 23 Dec 2020 15:47

Tgt Ion: 43 Resp: 3189

Ion Ratio Lower Upper

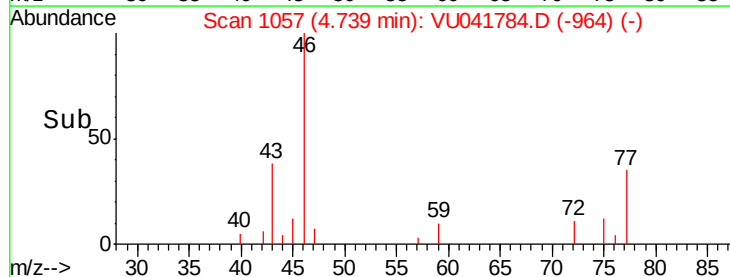
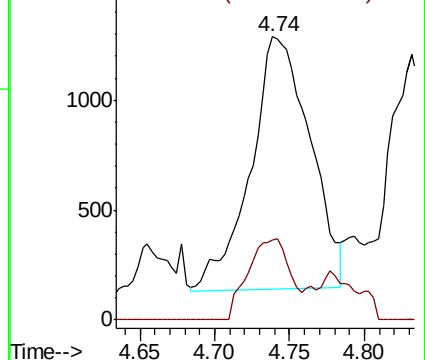
43 100

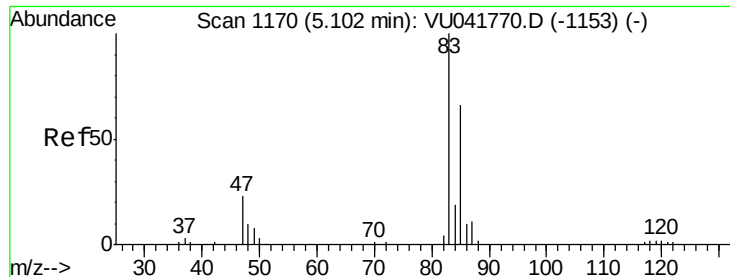
72 22.6 14.6 44.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 72.10 (71.80 to 72.80): VU0

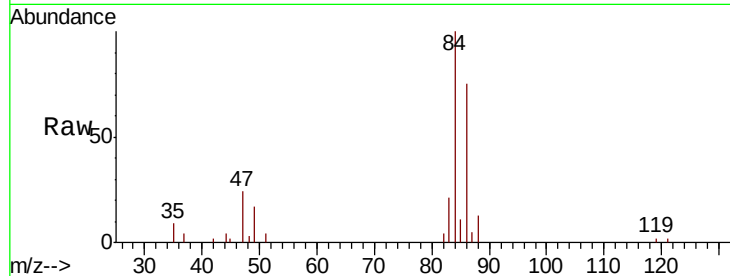




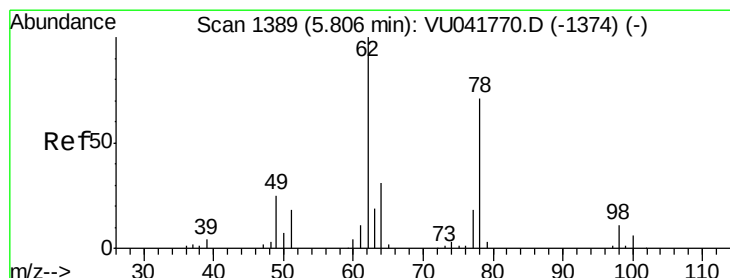
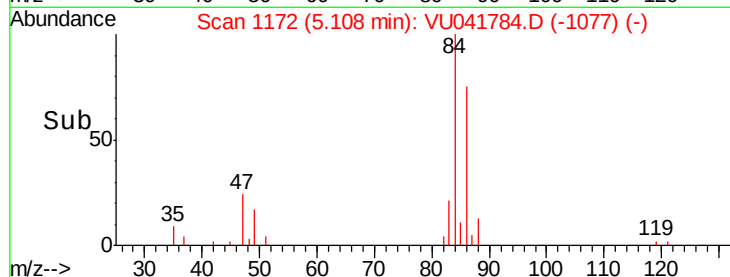
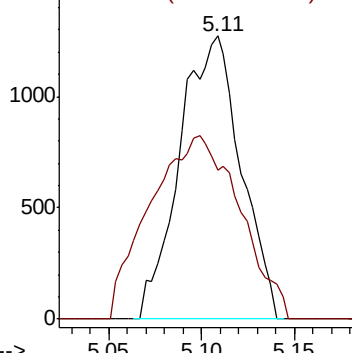
#25
Chloroform
Concen: 0.182 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.01 min
Lab File: VU041784.D
Acq: 23 Dec 2020 15:47

Instrument :
MSVOA_U
ClientSampled :
GB238

Tot Ion: 83 Resp: 2940
Ion Ratio Lower Upper
83 100
85 52.7 44.2 82.0

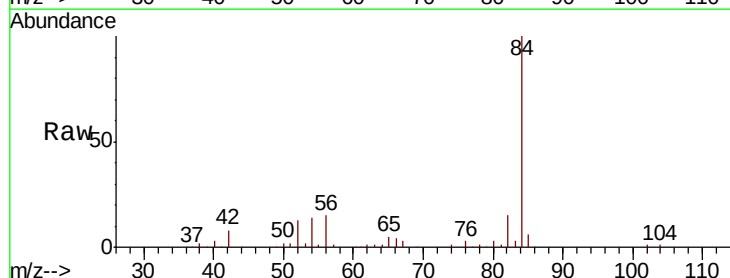


Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0

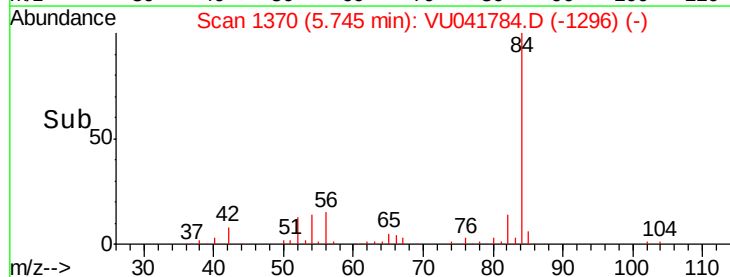
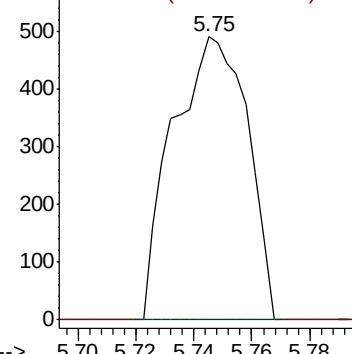


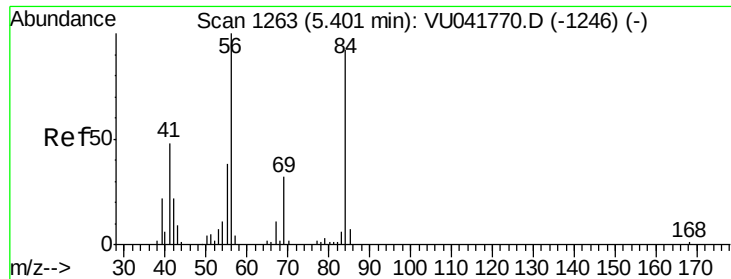
#27
1,2-Dichloroethane
Concen: 0.080 ug/L
RT: 5.75 min Scan# 1370
Delta R.T. -0.06 min
Lab File: VU041784.D
Acq: 23 Dec 2020 15:47

Tgt Ion: 62 Resp: 878
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.2#



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 98.05 (97.75 to 98.75): VU0

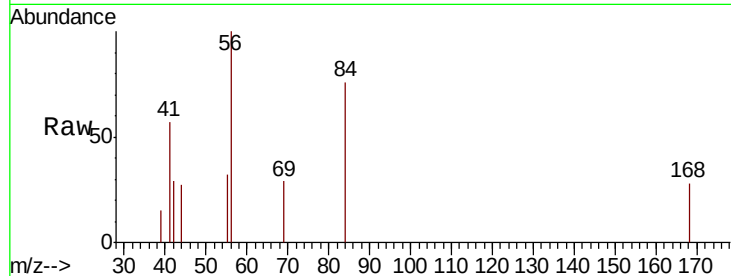




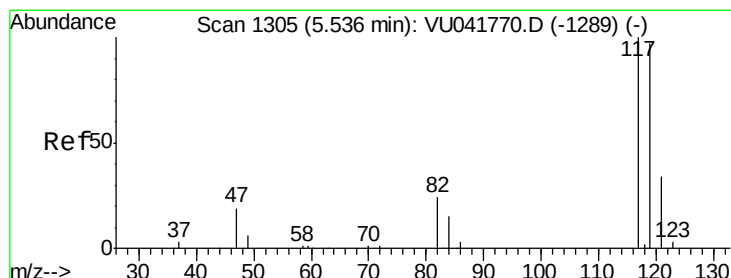
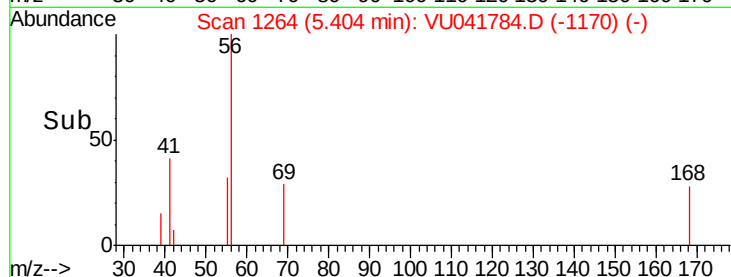
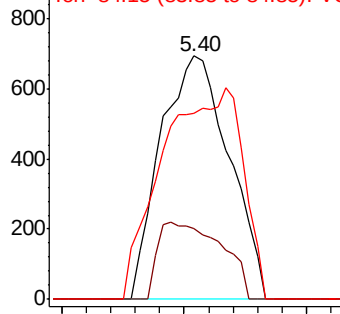
#30
Cyclohexane
Concen: 0.088 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VU041784.D
Acq: 23 Dec 2020 15:47

Instrument :
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ClientSampleId :
GB238

Tot Ion: 56 Resp: 1354
Ion Ratio Lower Upper
56 100
69 29.5 23.8 35.8
84 101.5 66.2 99.4#

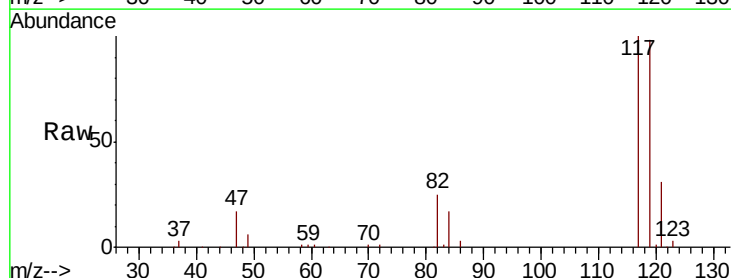


Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0

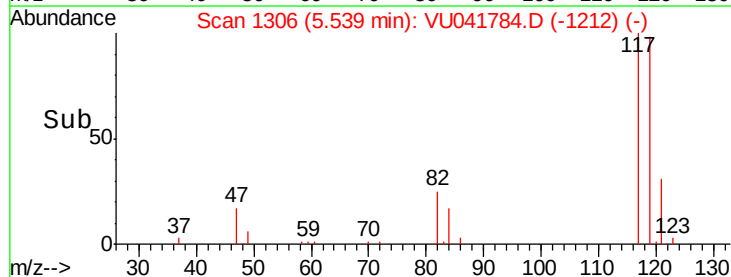
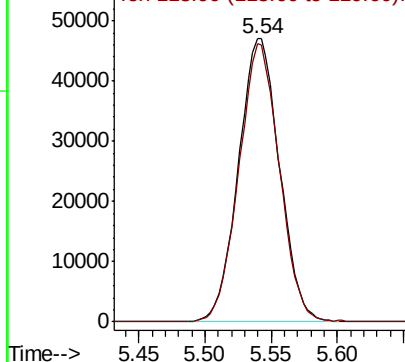


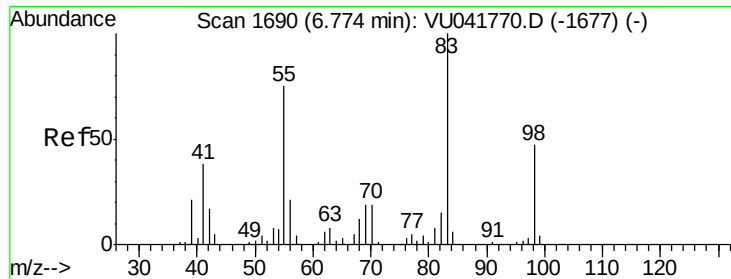
#31
Carbon tetrachloride
Concen: 8.580 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VU041784.D
Acq: 23 Dec 2020 15:47

Tgt Ion: 117 Resp: 101352
Ion Ratio Lower Upper
117 100
119 96.9 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

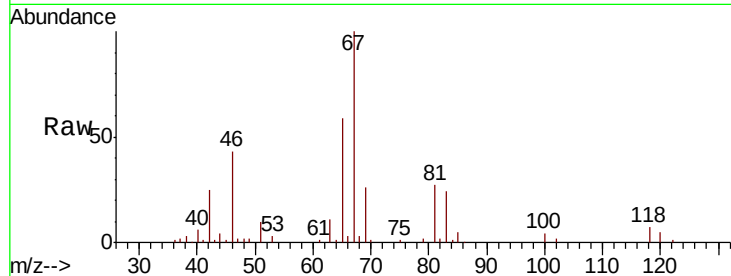




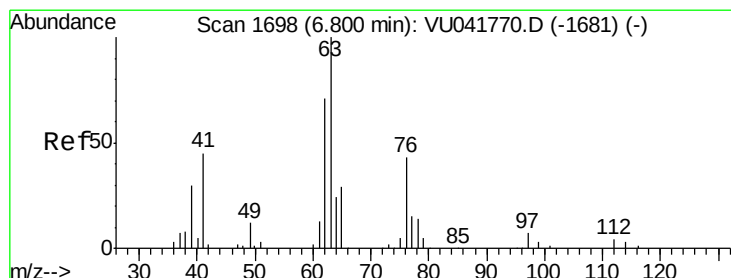
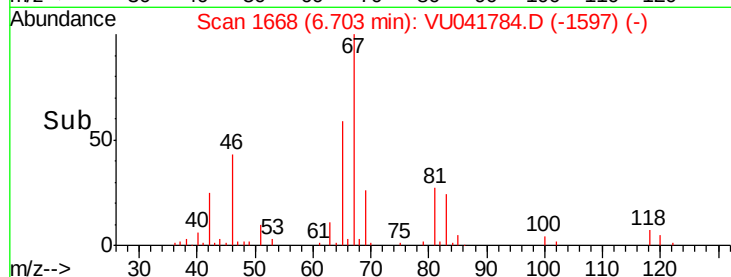
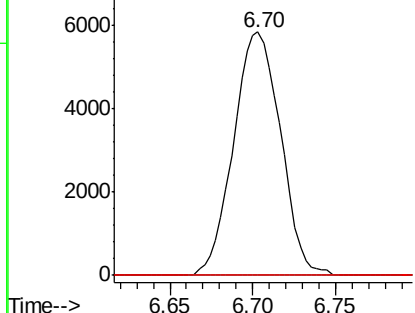
#35
Methylcyclohexane
Concen: 0.747 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041784.D
Acq: 23 Dec 2020 15:47

Instrument :
MSVOA_U
ClientSampleId :
GB238

Tot Ion: 83 Resp: 11537
Ion Ratio Lower Upper
83 100
55 0.0 61.2 91.8#
98 0.6 36.6 54.8#

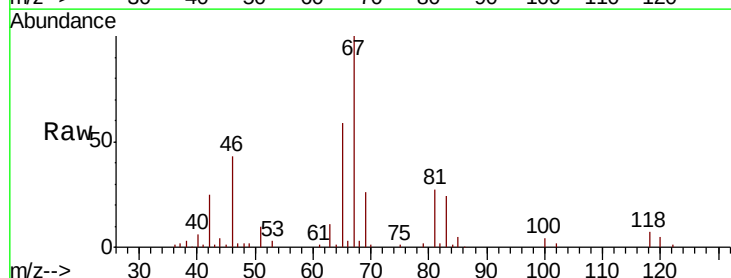


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

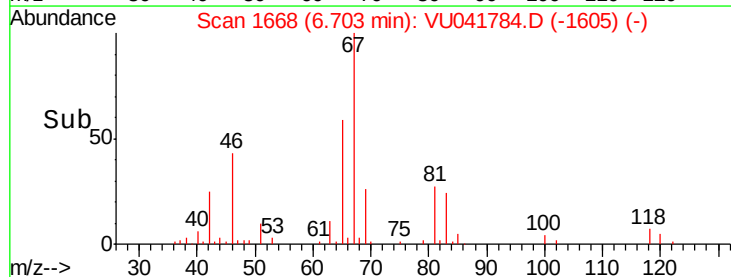
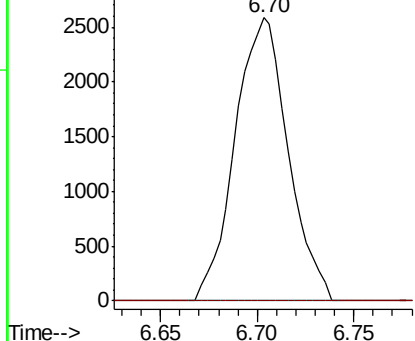


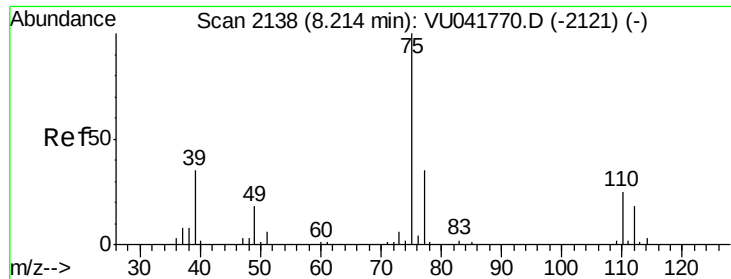
#37
1,2-Dichloropropane
Concen: 0.508 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041784.D
Acq: 23 Dec 2020 15:47

Tgt Ion: 63 Resp: 4940
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





#44

trans-1,3-Dichloropropene

Concen: 0.053 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU041784.D

Acq: 23 Dec 2020 15:47

Instrument :

MSVOA_U

ClientSampled :

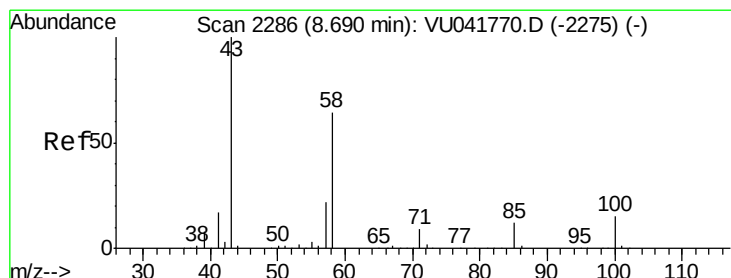
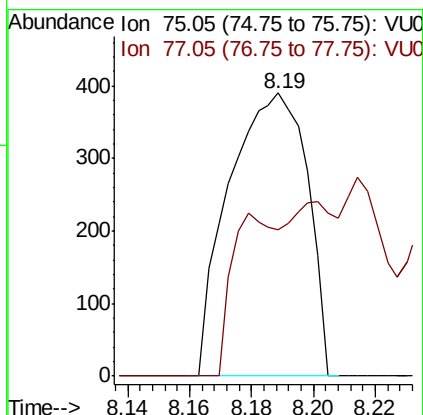
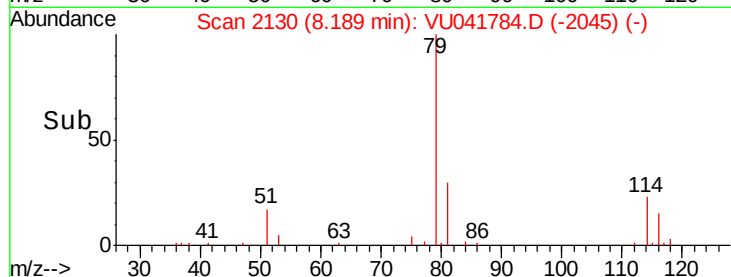
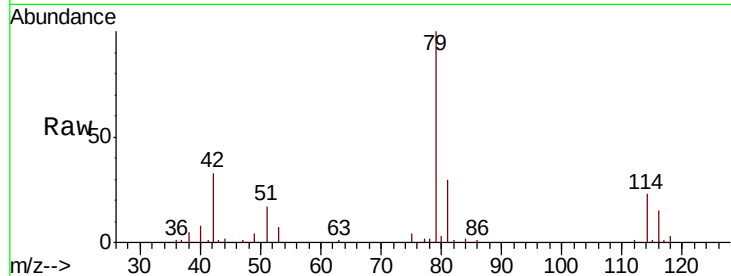
GB238

Tot Ion: 75 Resp: 686

Ion Ratio Lower Upper

75 100

77 51.8 23.8 44.2#



#48

2-Hexanone

Concen: 2.645 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU041784.D

Acq: 23 Dec 2020 15:47

Tgt Ion: 43 Resp: 13329

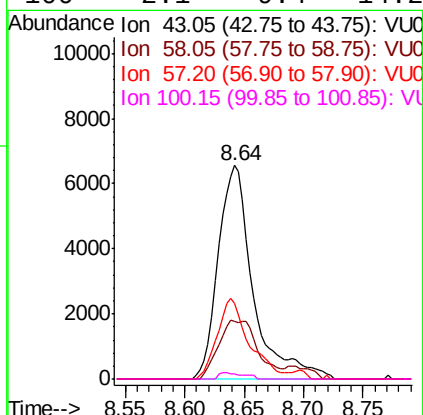
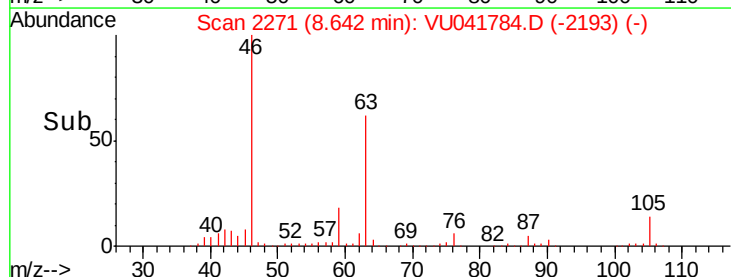
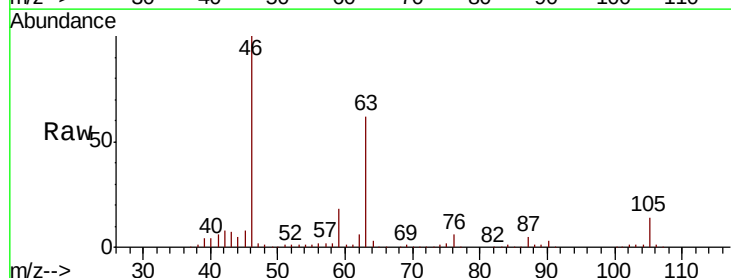
Ion Ratio Lower Upper

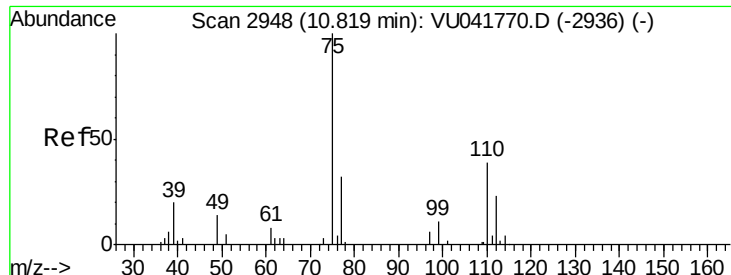
43 100

58 30.8 47.9 71.9#

57 34.9 16.5 24.7#

100 2.1 9.4 14.2#





#59

1,2,3-Trichloropropane

Concen: 0.762 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041784.D

Acq: 23 Dec 2020 15:47

Instrument :

MSVOA_U

ClientSampleId :

GB238

Tot Ion: 75 Resp: 5571

Ion Ratio Lower Upper

75 100

77 33.1 26.2 39.2

