

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122220\
 Data File : VU041757.D
 Acq On : 22 Dec 2020 21:36
 Operator : SY/MD
 Sample : L5161-14
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB239

Quant Time: Dec 23 05:10:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 23 05:08:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	124075	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	122671	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	54151	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	33555	3.46	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.20%
7) Chloroethane-d5	1.92	69	35888	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.60%
11) 1,1-Dichloroethene-d2	2.58	63	53148	2.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.60%#
20) 2-Butanone-d5	4.66	46	160179	57.49	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.98%
24) Chloroform-d	5.08	84	81305	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
26) 1,2-Dichloroethane-d4	5.72	65	46751	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	5.74	84	154131	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
36) 1,2-Dichloropropane-d6	6.70	67	50518	4.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.80%
41) Toluene-d8	7.90	98	126009	3.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.40%
43) trans-1,3-Dichloropropene-	8.19	79	20737	4.19	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.80%
46) 2-Hexanone-d5	8.64	63	137676	50.86	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.72%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	51291	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	50722	5.27	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.40%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	470	0.046	ug/L # 40
8) Chloroethane	1.95	64	388	0.051	ug/L # 44
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	401	0.047	ug/L # 22
13) Acetone	2.68	43	57402	32.388	ug/L 66
15) Methyl Acetate	2.97	43	952	0.207	ug/L # 51
16) Methylene chloride	3.06	84	1288	0.128	ug/L 97
21) 2-Butanone	4.75	43	2859	0.990	ug/L 79
25) Chloroform	5.10	83	4928	0.301	ug/L 96
27) 1,2-Dichloroethane	5.75	62	700	0.063	ug/L # 73
31) Carbon tetrachloride	5.54	117	3431627	281.716	ug/L 99
34) Trichloroethene	6.56	95	1970	0.200	ug/L 90
35) Methylcyclohexane	6.70	83	12035	0.755	ug/L # 20
37) 1,2-Dichloropropane	6.70	63	5222	0.520	ug/L # 88
39) cis-1,3-Dichloropropene	7.57	75	1090	0.073	ug/L # 46
44) trans-1,3-Dichloropropene	8.18	75	806	0.061	ug/L 98
48) 2-Hexanone	8.64	43	15978	3.075	ug/L # 66
59) 1,2,3-Trichloropropane	11.81	75	5861	0.778	ug/L 97

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Dec 23 05:08:09 2020
Response via : Initial Calibration

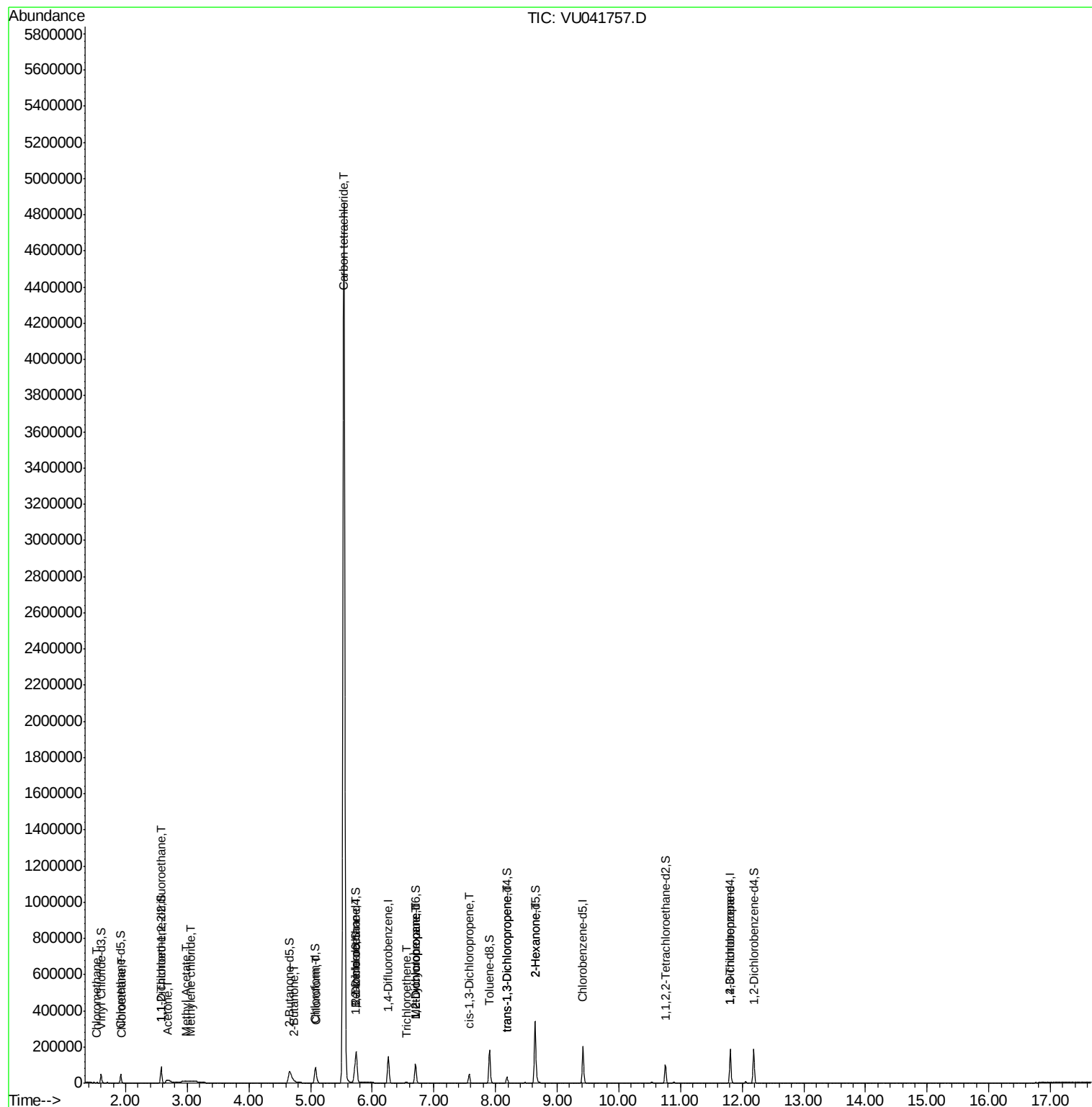
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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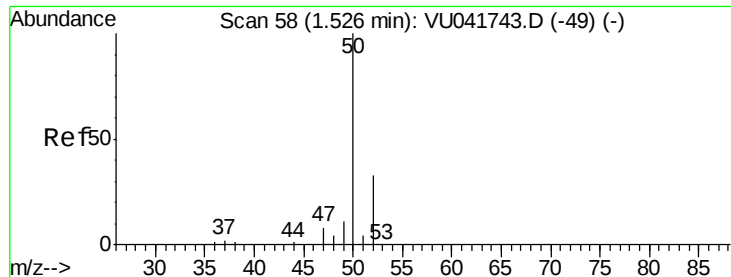
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.046 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041757.D

Acq: 22 Dec 2020 21:36

Instrument :

MSVOA_U

ClientSampleId :

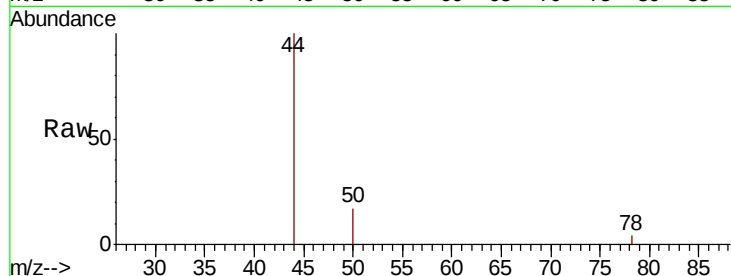
GB239

Tot Ion: 50 Resp: 470

Ion Ratio Lower Upper

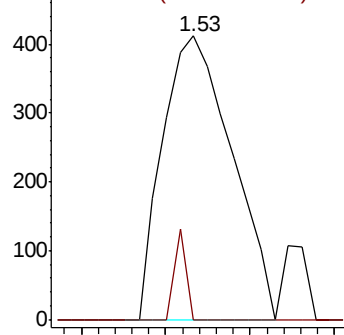
50 100

52 0.0 24.1 44.8#

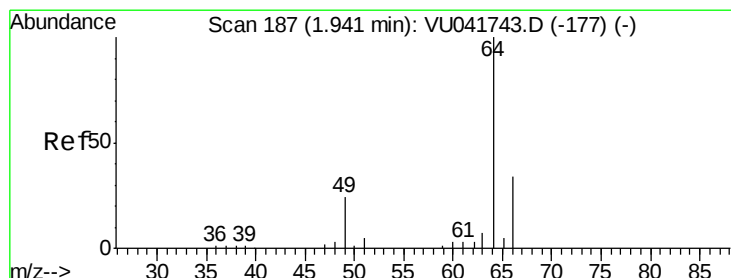
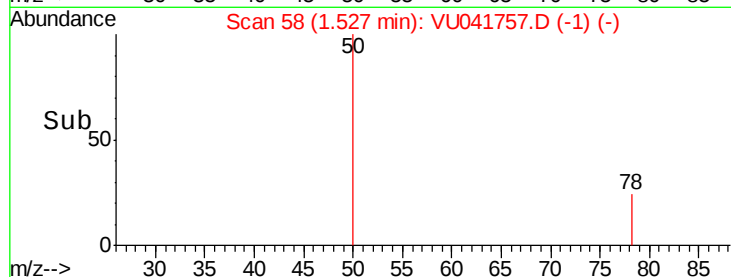


Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



Time-->



#8

Chloroethane

Concen: 0.051 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.01 min

Lab File: VU041757.D

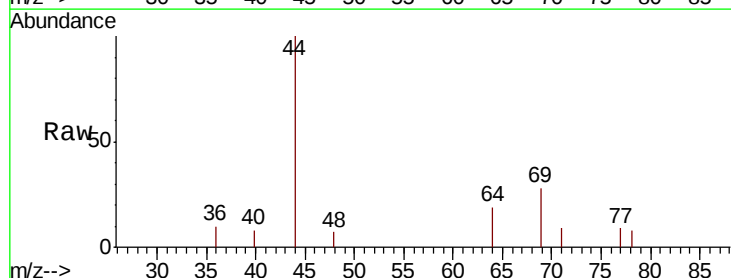
Acq: 22 Dec 2020 21:36

Tgt Ion: 64 Resp: 388

Ion Ratio Lower Upper

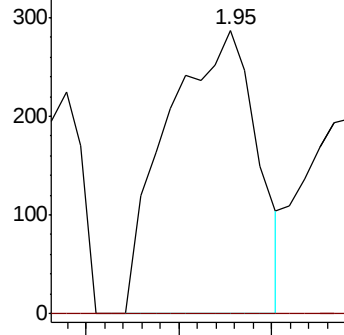
64 100

66 0.0 21.6 40.0#

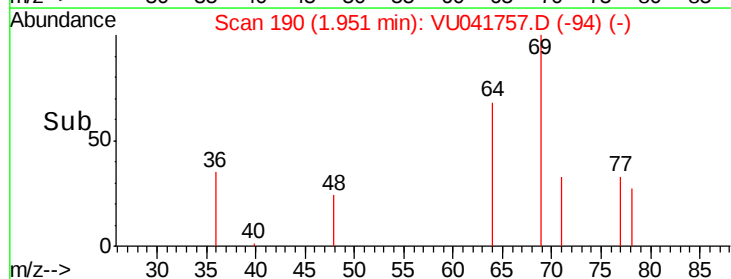


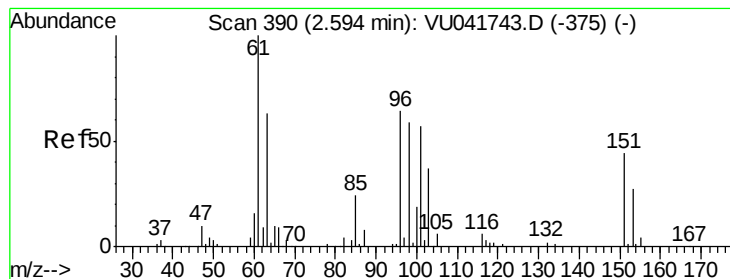
Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



Time-->





#10

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

Concen: 0.047 ug/L

RT: 2.57 min Scan# 383

Delta R.T. -0.02 min

Lab File: VU041757.D

Acq: 22 Dec 2020 21:36

Instrument :

MSVOA_U

ClientSampled :

GB239

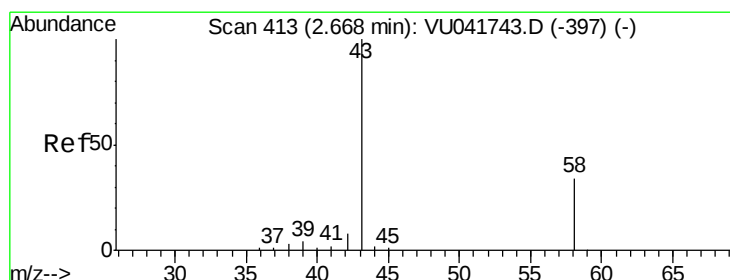
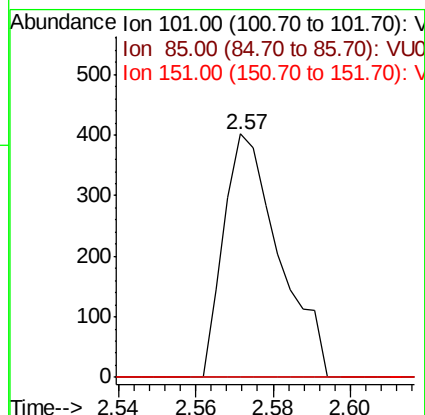
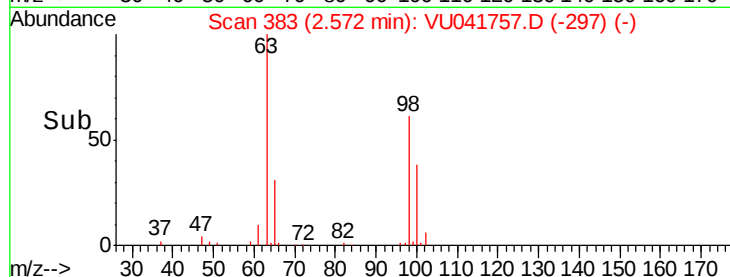
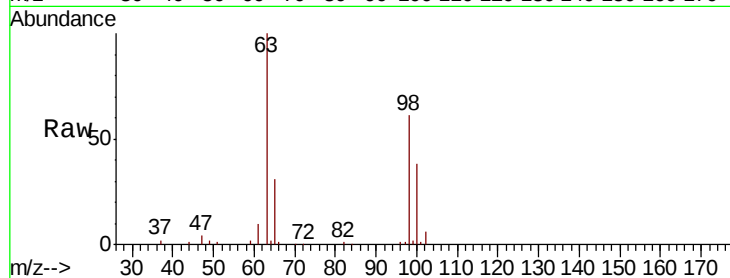
Tot Ion:101 Resp: 401

Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

151 0.0 56.2 84.4#



#13

Acetone

Concen: 32.388 ug/L

RT: 2.68 min Scan# 418

Delta R.T. 0.02 min

Lab File: VU041757.D

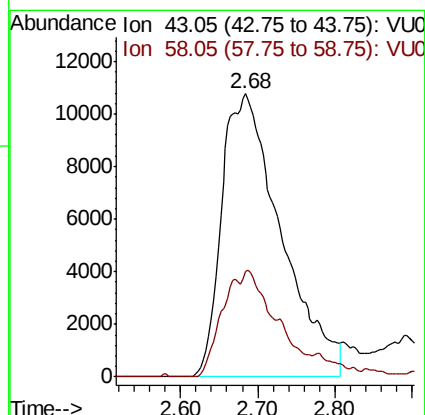
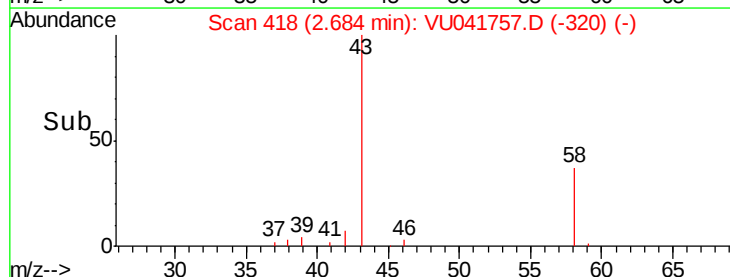
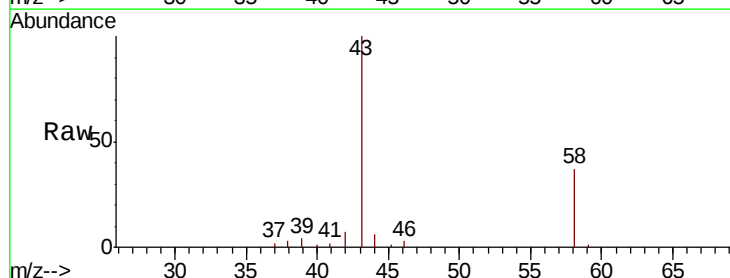
Acq: 22 Dec 2020 21:36

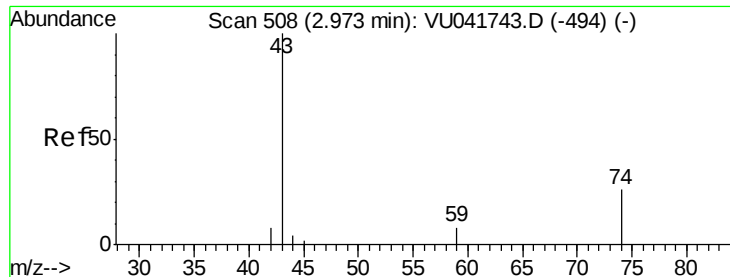
Tgt Ion: 43 Resp: 57402

Ion Ratio Lower Upper

43 100

58 16.2 0.0 73.2





#15

Methyl Acetate

Concen: 0.207 ug/L

RT: 2.97 min Scan# 507

Delta R.T. -0.00 min

Lab File: VU041757.D

Acq: 22 Dec 2020 21:36

Instrument :

MSVOA_U

ClientSampleId :

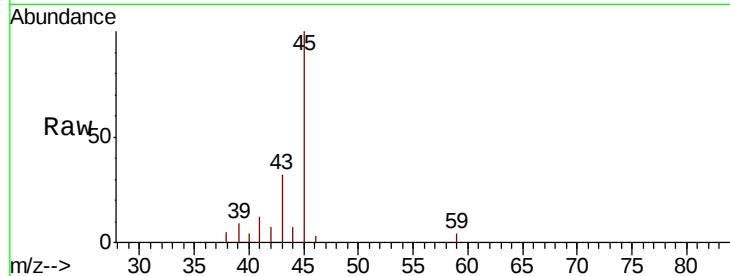
GB239

Tot Ion: 43 Resp: 952

Ion Ratio Lower Upper

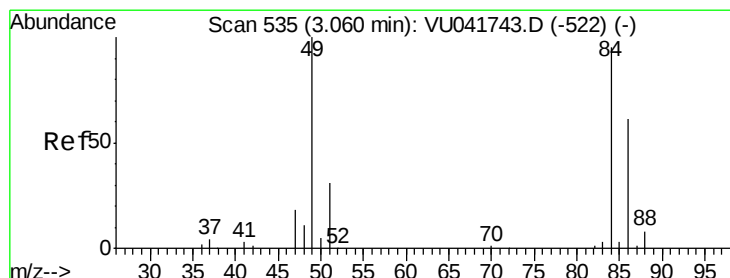
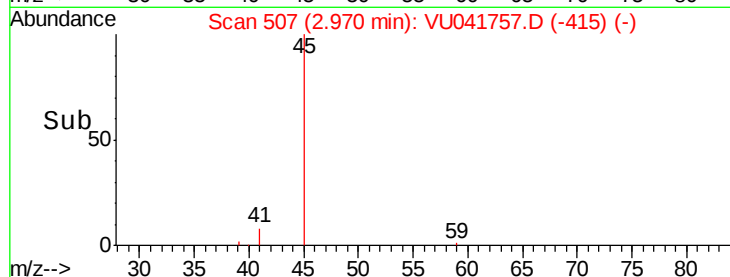
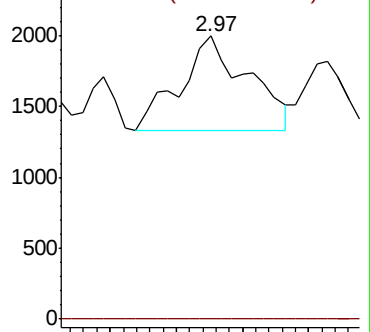
43 100

74 0.0 19.2 28.8#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 0.128 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU041757.D

Acq: 22 Dec 2020 21:36

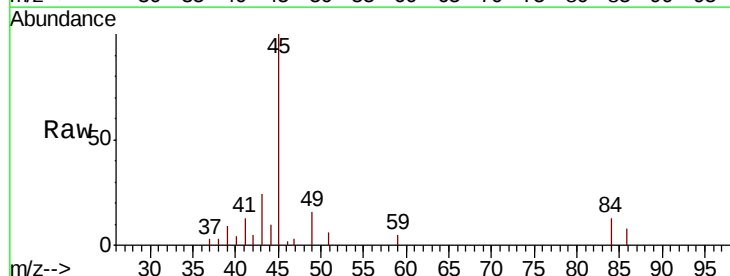
Tgt Ion: 84 Resp: 1288

Ion Ratio Lower Upper

84 100

86 61.4 45.1 83.7

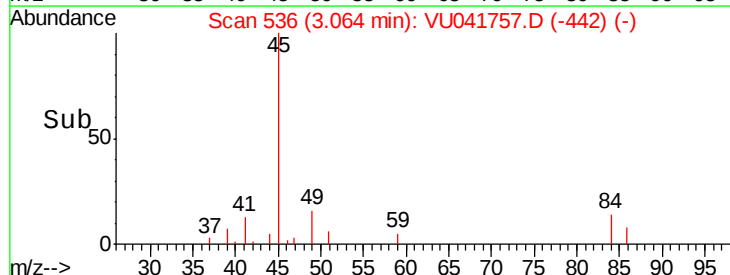
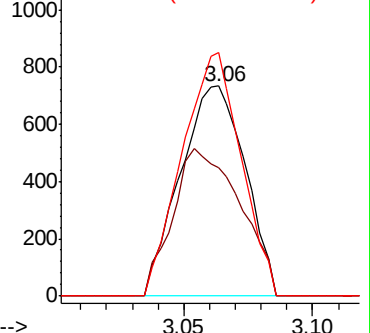
49 116.1 83.1 154.3

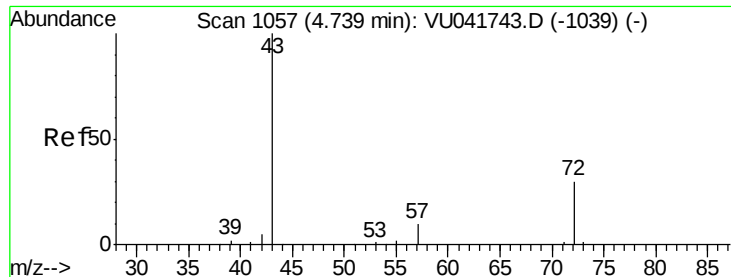


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





#21

2-Butanone

Concen: 0.990 ug/L

RT: 4.75 min Scan# 1059

Delta R.T. 0.01 min

Lab File: VU041757.D

Acq: 22 Dec 2020 21:36

Instrument :

MSVOA_U

ClientSampleId :

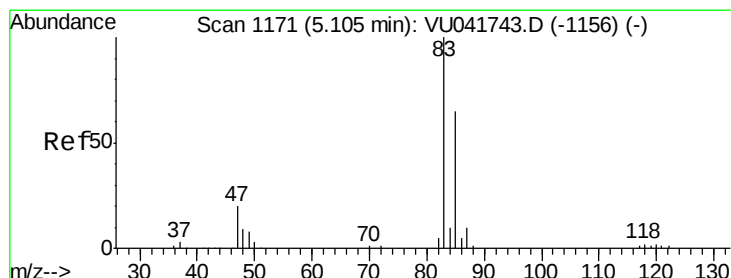
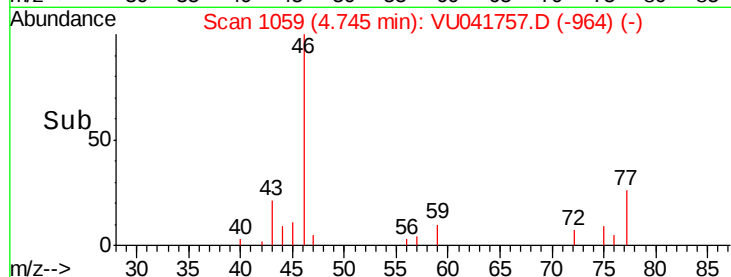
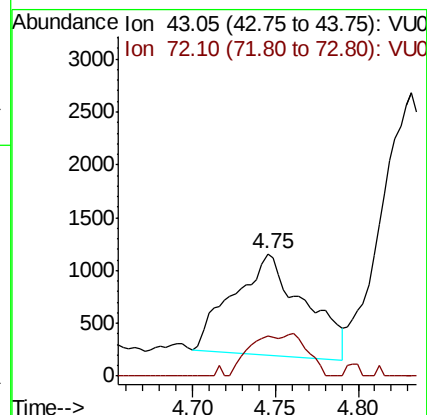
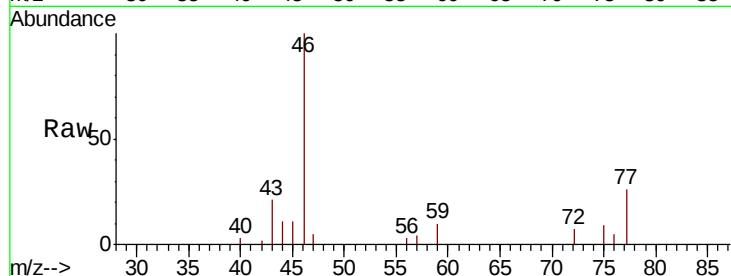
GB239

Tot Ion: 43 Resp: 2859

Ion Ratio Lower Upper

43 100

72 17.9 14.6 44.0



#25

Chloroform

Concen: 0.301 ug/L

RT: 5.10 min Scan# 1169

Delta R.T. -0.01 min

Lab File: VU041757.D

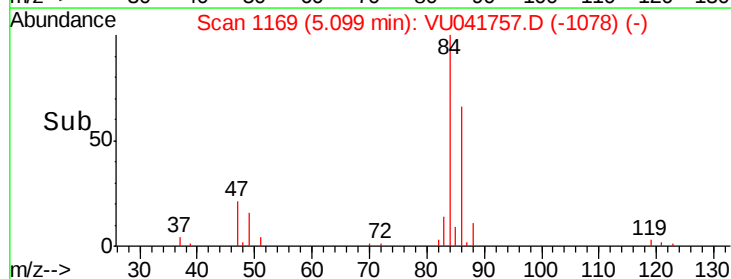
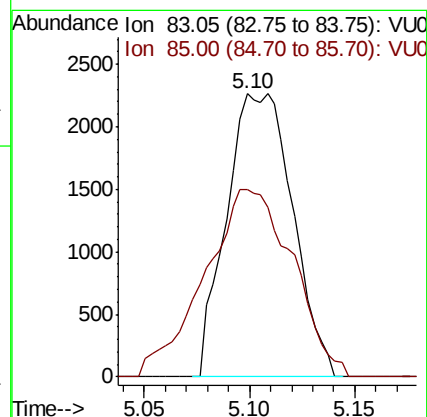
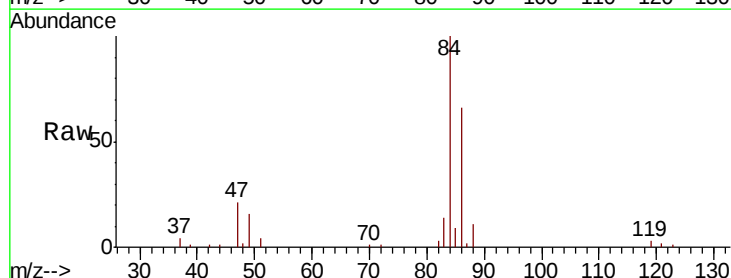
Acq: 22 Dec 2020 21:36

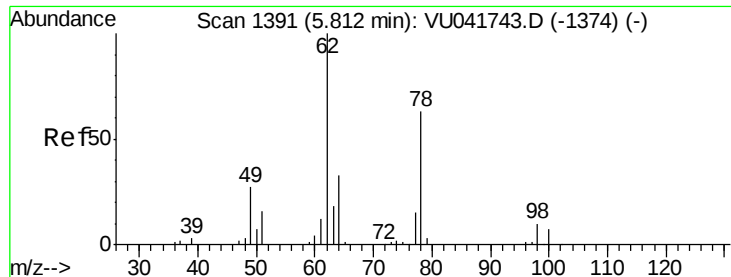
Tgt Ion: 83 Resp: 4928

Ion Ratio Lower Upper

83 100

85 66.3 44.2 82.0

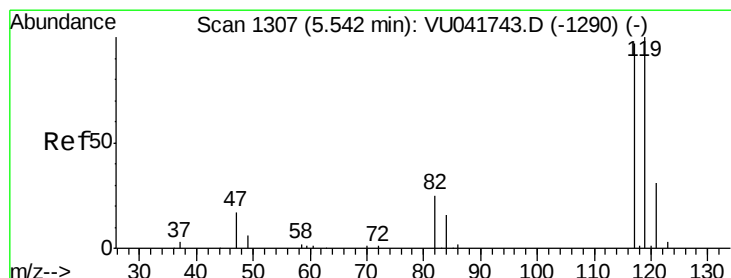
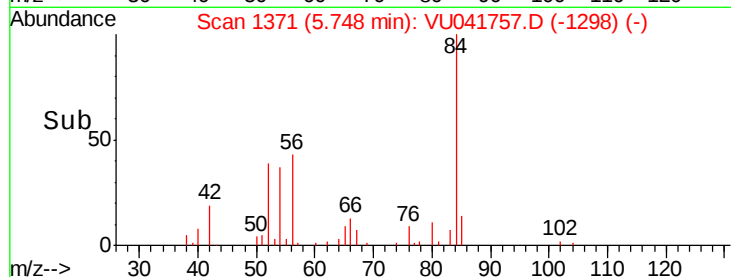
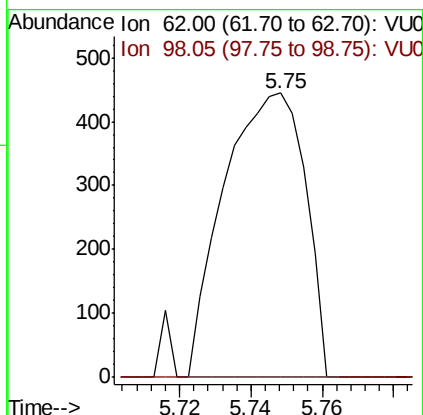
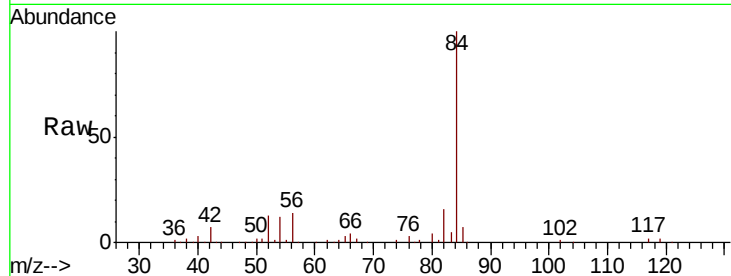




#27
 1,2-Dichloroethane
 Concen: 0.063 ug/L
 RT: 5.75 min Scan# 1371
 Delta R.T. -0.06 min
 Lab File: VU041757.D
 Acq: 22 Dec 2020 21:36

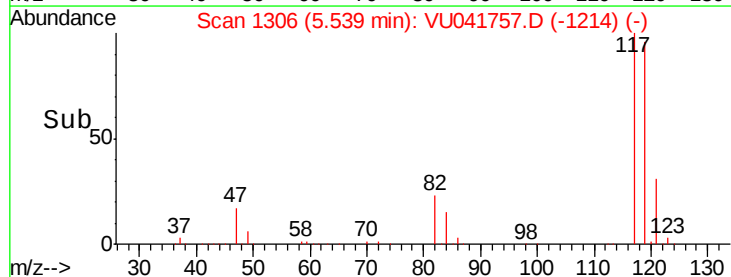
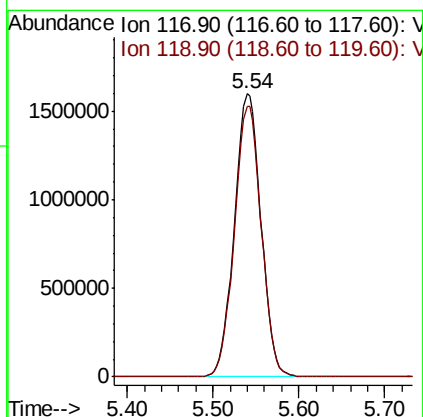
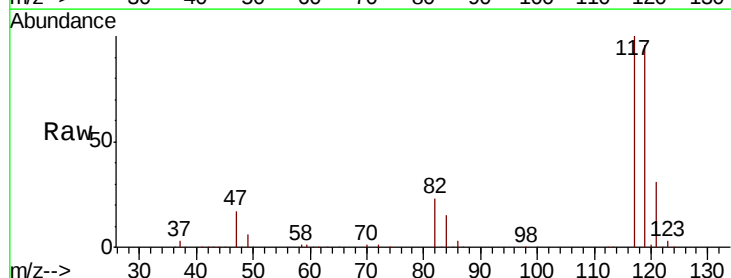
Instrument :
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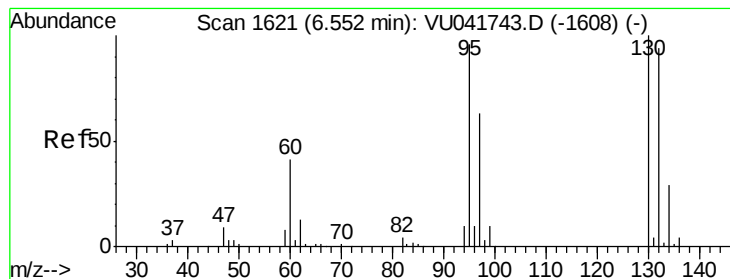
Tot Ion: 62 Resp: 700
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.2 12.2#



#31
 Carbon tetrachloride
 Concen: 281.716 ug/L
 RT: 5.54 min Scan# 1306
 Delta R.T. -0.00 min
 Lab File: VU041757.D
 Acq: 22 Dec 2020 21:36

Tgt Ion: 117 Resp: 3431627
 Ion Ratio Lower Upper
 117 100
 119 96.5 76.2 114.2





#34

Trichloroethene

Concen: 0.200 ug/L

RT: 6.56 min Scan# 1623

Delta R.T. 0.01 min

Lab File: VU041757.D

Acq: 22 Dec 2020 21:36

Instrument :

MSVOA_U

ClientSampleId :

GB239

Tot Ion: 95 Resp: 1970

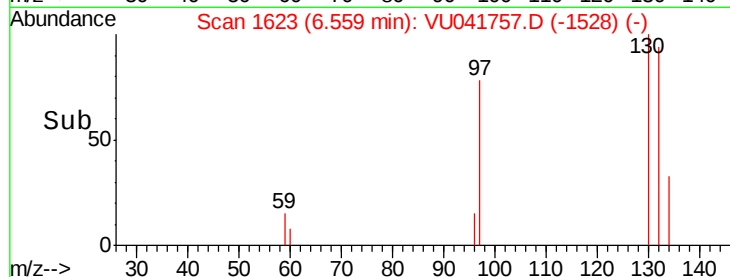
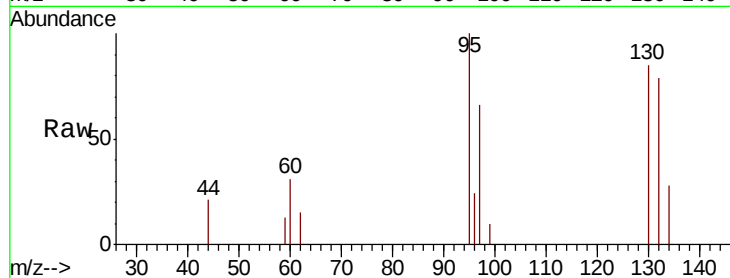
Ion Ratio Lower Upper

95 100

97 66.0 43.9 81.5

132 79.3 63.1 117.3

130 84.7 67.4 125.2

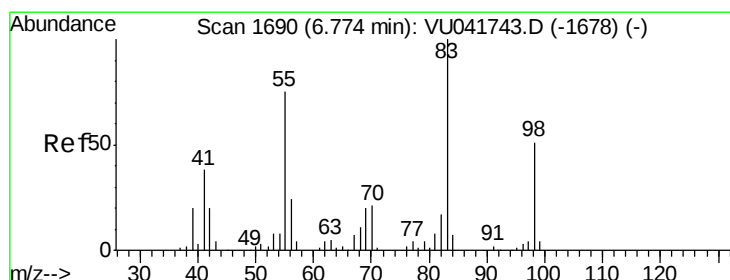
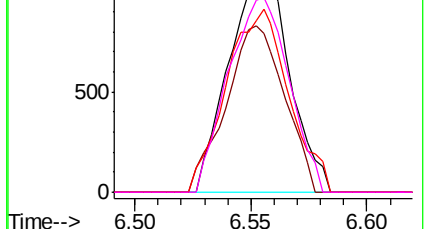


Abundance Ion 95.00 (94.70 to 95.70): VU041757.D (-1528) (-)

Ion 96.95 (96.65 to 97.65): VU041757.D (-1528) (-)

Ion 131.95 (131.65 to 132.65): VU041757.D (-1528) (-)

Ion 129.95 (129.65 to 130.65): VU041757.D (-1528) (-)



#35

Methylcyclohexane

Concen: 0.755 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.07 min

Lab File: VU041757.D

Acq: 22 Dec 2020 21:36

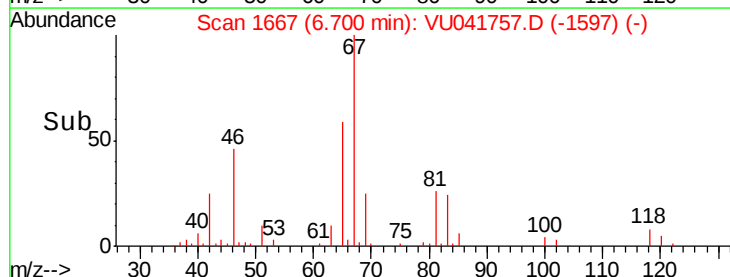
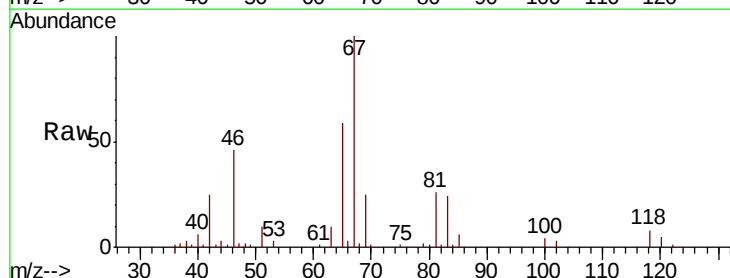
Tgt Ion: 83 Resp: 12035

Ion Ratio Lower Upper

83 100

55 0.0 61.2 91.8#

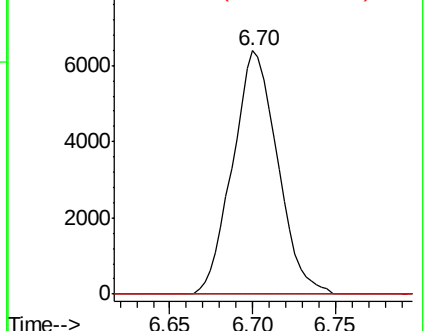
98 3.1 36.6 54.8#

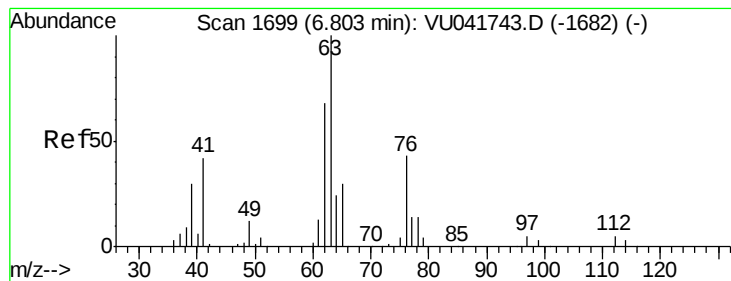


Abundance Ion 83.15 (82.85 to 83.85): VU041757.D (-1597) (-)

Ion 55.10 (54.80 to 55.80): VU041757.D (-1597) (-)

Ion 98.15 (97.85 to 98.85): VU041757.D (-1597) (-)





#37

1,2-Dichloropropane

Concen: 0.520 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU041757.D

Acq: 22 Dec 2020 21:36

Instrument :

MSVOA_U

ClientSampleId :

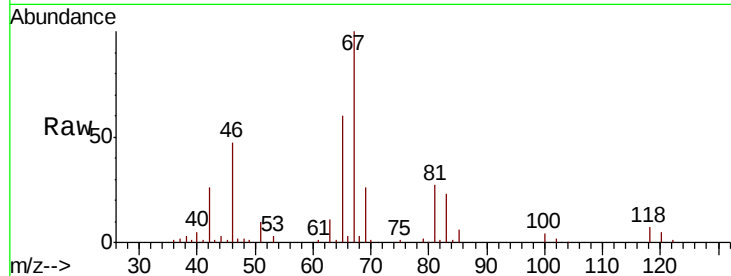
GB239

Tot Ion: 63 Resp: 5222

Ion Ratio Lower Upper

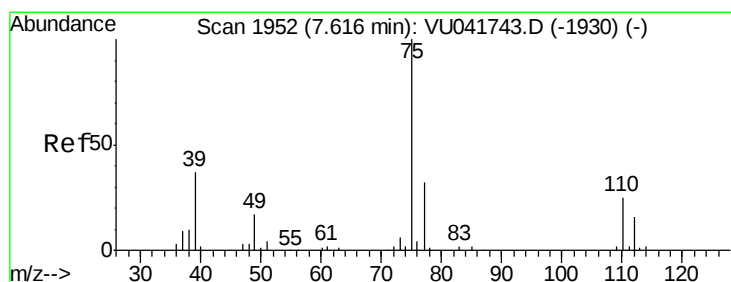
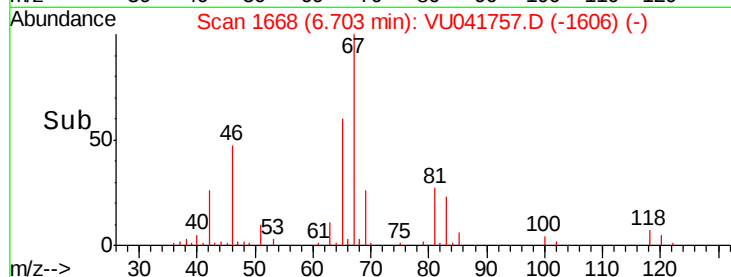
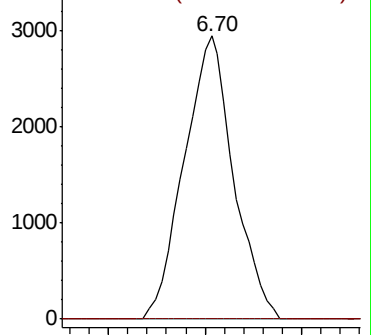
63 100

112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU041743.D (-1682) (-)

Ion 112.10 (111.80 to 112.80): VU041743.D (-1682) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.073 ug/L

RT: 7.57 min Scan# 1938

Delta R.T. -0.04 min

Lab File: VU041757.D

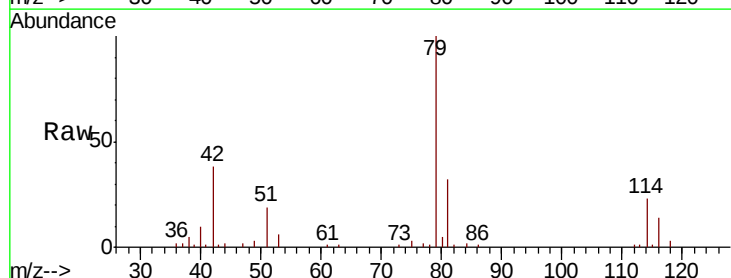
Acq: 22 Dec 2020 21:36

Tgt Ion: 75 Resp: 1090

Ion Ratio Lower Upper

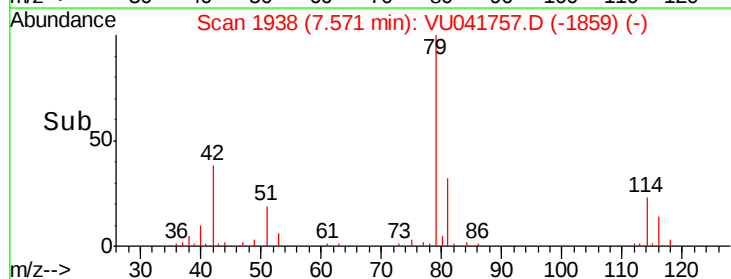
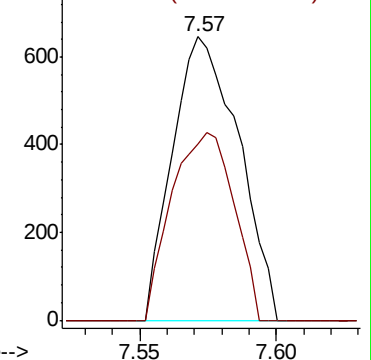
75 100

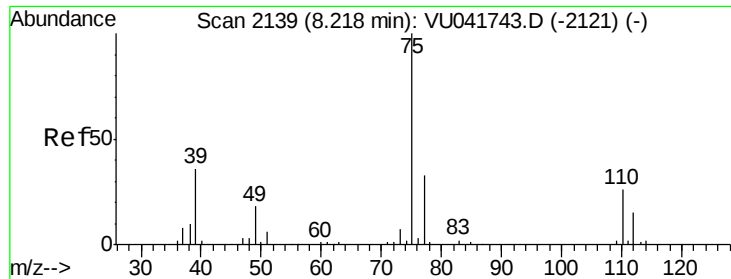
77 61.9 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU041743.D (-1930) (-)

Ion 77.05 (76.75 to 77.75): VU041743.D (-1930) (-)

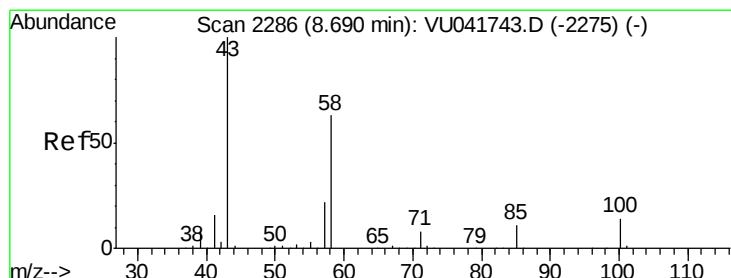
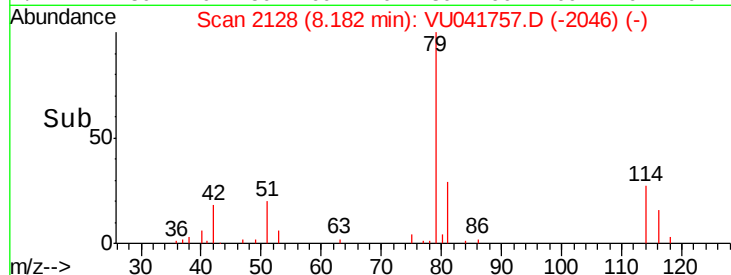
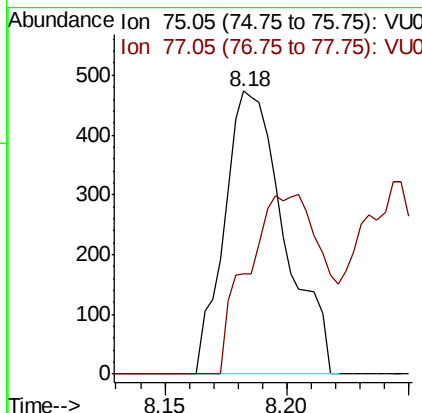
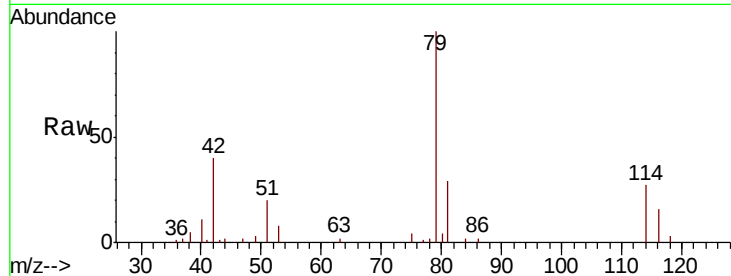




#44
trans-1,3-Dichloropropene
Concen: 0.061 ug/L
RT: 8.18 min Scan# 2128
Delta R.T. -0.04 min
Lab File: VU041757.D
Acq: 22 Dec 2020 21:36

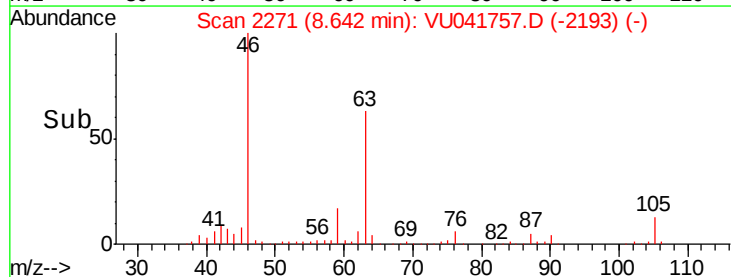
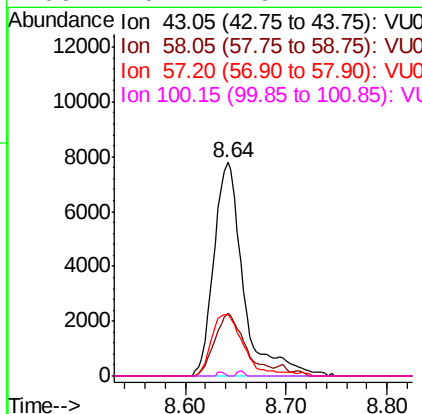
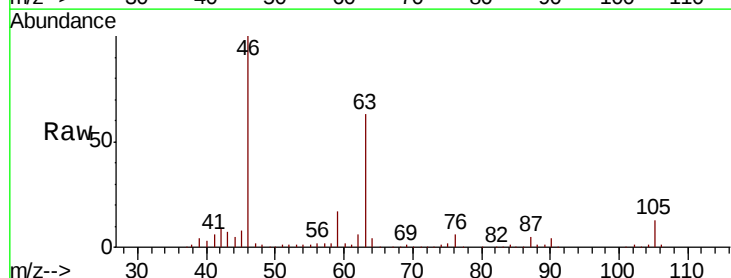
Instrument :
MSVOA_U
ClientSampled :
GB239

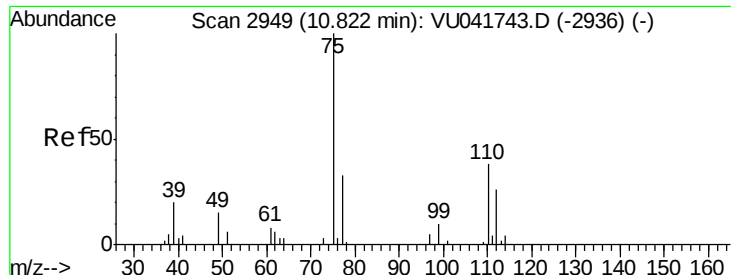
Tot Ion: 75 Resp: 806
Ion Ratio Lower Upper
75 100
77 35.3 23.8 44.2



#48
2-Hexanone
Concen: 3.075 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU041757.D
Acq: 22 Dec 2020 21:36

Tgt Ion: 43 Resp: 15978
Ion Ratio Lower Upper
43 100
58 30.1 47.9 71.9#
57 30.7 16.5 24.7#
100 0.4 9.4 14.2#





#59

1,2,3-Trichloropropane

Concen: 0.778 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041757.D

Acq: 22 Dec 2020 21:36

Instrument :

MSVOA_U

ClientSampleId :

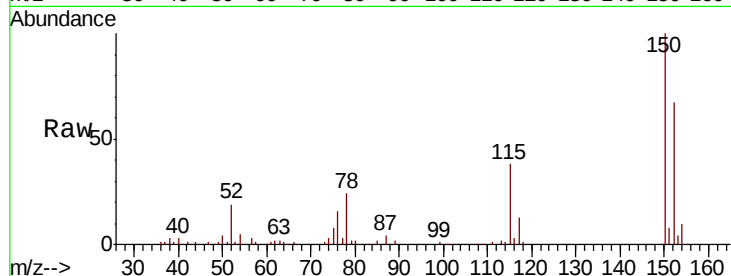
GB239

Tot Ion: 75 Resp: 5861

Ion Ratio Lower Upper

75 100

77 31.1 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

