

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122120\
 Data File : VU041716.D
 Acq On : 21 Dec 2020 23:19
 Operator : SY/MD
 Sample : L5162-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB251

Quant Time: Dec 22 06:03:22 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	133293	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	129357	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	65843	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	38381	3.68	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.60%
7) Chloroethane-d5	1.92	69	35991	4.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.20%
11) 1,1-Dichloroethene-d2	2.58	63	58788	3.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.20%
20) 2-Butanone-d5	4.67	46	152493	50.94	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.88%
24) Chloroform-d	5.08	84	90368	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
26) 1,2-Dichloroethane-d4	5.72	65	50388	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
32) Benzene-d6	5.74	84	171362	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
36) 1,2-Dichloropropane-d6	6.70	67	58555	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.80%
41) Toluene-d8	7.90	98	144339	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.40%
43) trans-1,3-Dichloropropene-	8.19	79	23138	4.43	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.60%
46) 2-Hexanone-d5	8.64	63	156414	54.79	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.58%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	54790	5.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	60317	5.15	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.00%

Target Compounds

					Ovalue
3) Chloromethane	1.52	50	524	0.048 ug/L #	40
8) Chloroethane	1.94	64	348	0.042 ug/L #	44
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	413	0.045 ug/L #	22
13) Acetone	2.68	43	2411	1.266 ug/L	63
14) Carbon disulfide	2.80	76	6840	0.219 ug/L	97
15) Methyl Acetate	2.98	43	28624	5.783 ug/L #	89
16) Methylene chloride	3.06	84	2208	0.204 ug/L	88
25) Chloroform	5.11	83	98212	5.579 ug/L	95
31) Carbon tetrachloride	5.54	117	13704	1.067 ug/L	97
35) Methylcyclohexane	6.70	83	12837	0.764 ug/L #	21
37) 1,2-Dichloropropane	6.70	63	5801	0.548 ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1402	0.089 ug/L #	65
44) trans-1,3-Dichloropropene	8.18	75	1236	0.088 ug/L	86
49) Dibromochloromethane	8.56	129	410	0.046 ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	7973	1.003 ug/L	98

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

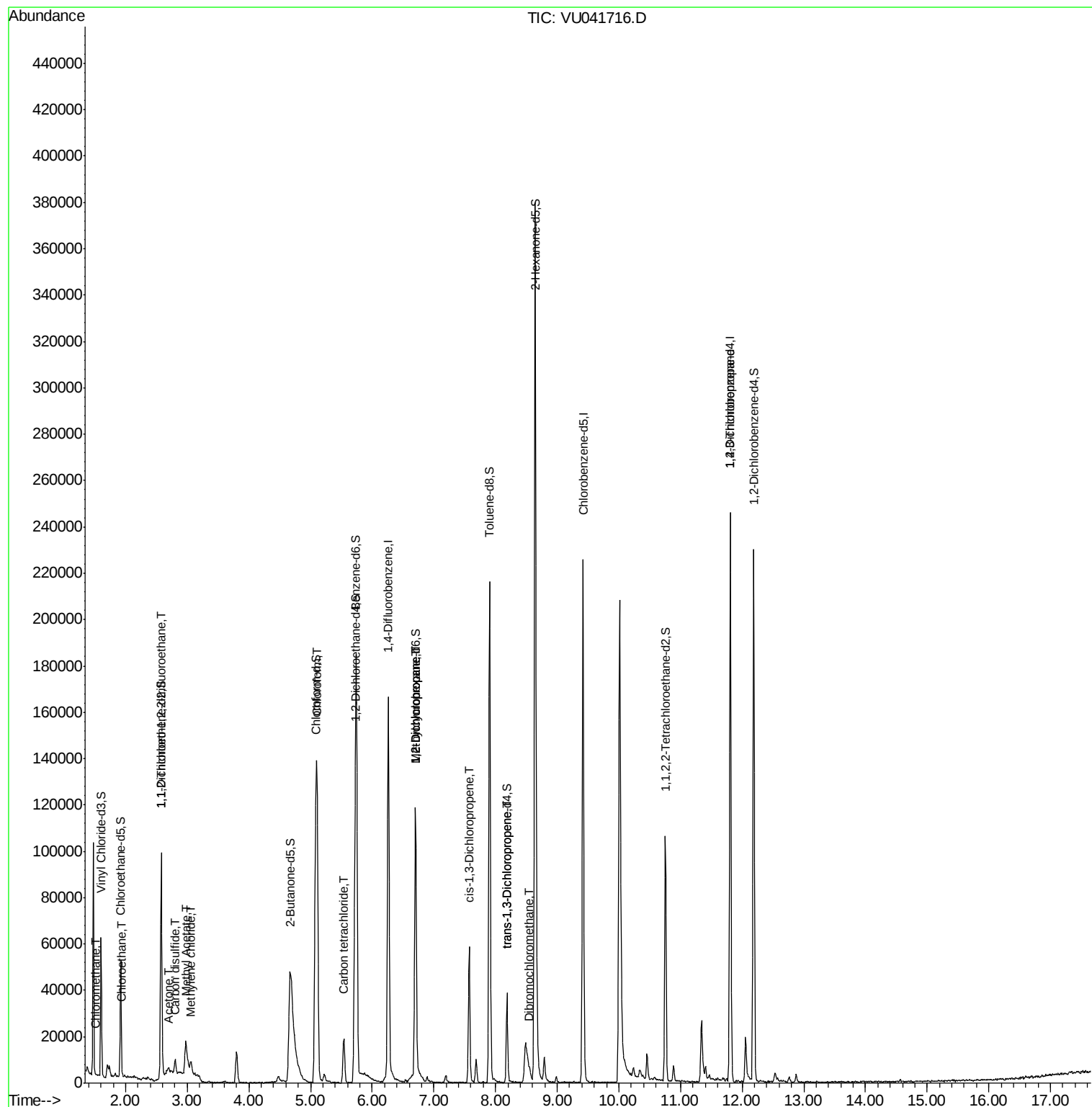
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

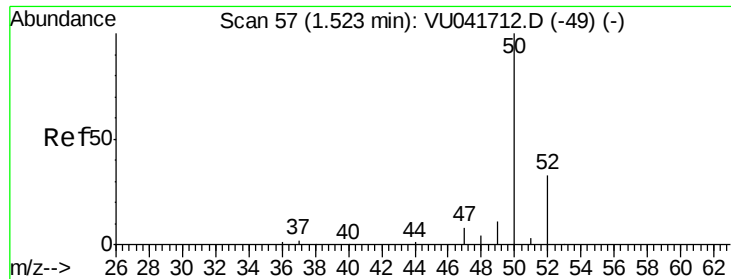
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU122120\
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QLast Update : Tue Dec 22 05:59:09 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.048 ug/L

RT: 1.52 min Scan# 56

Delta R.T. -0.00 min

Lab File: VU041716.D

Acq: 21 Dec 2020 23:19

Instrument :

MSVOA_U

ClientSampleId :

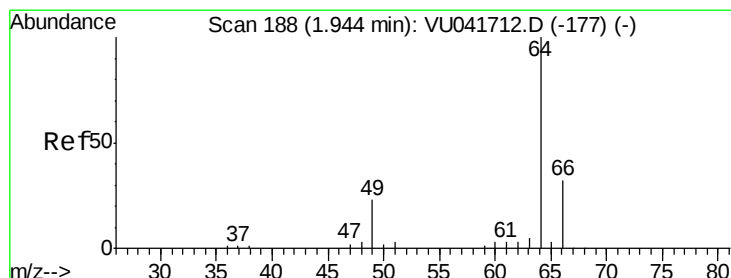
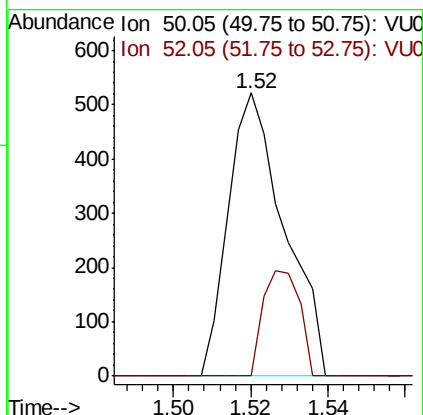
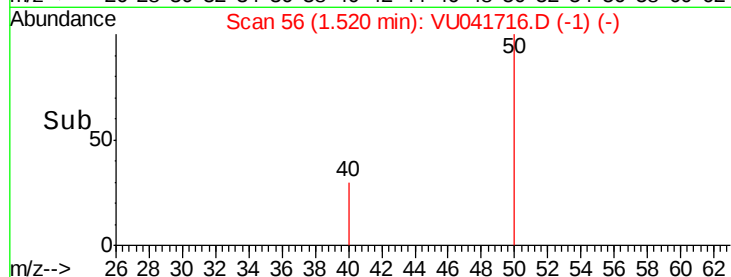
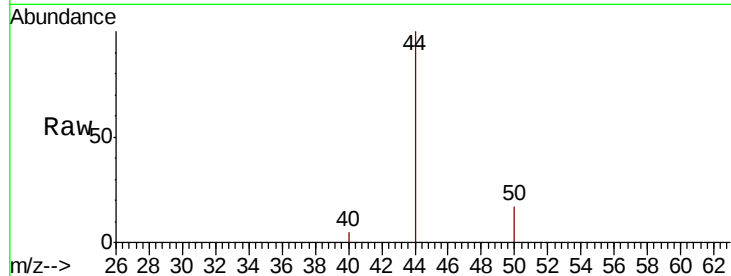
GB251

Tot Ion: 50 Resp: 524

Ion Ratio Lower Upper

50 100

52 0.0 24.1 44.8#



#8

Chloroethane

Concen: 0.042 ug/L

RT: 1.94 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU041716.D

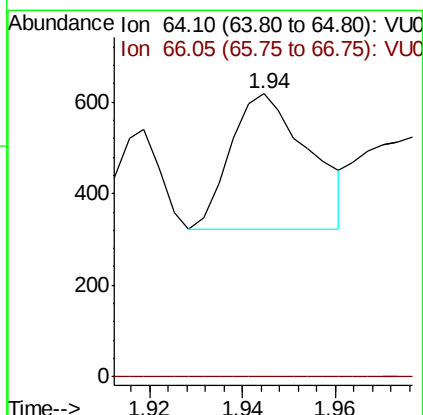
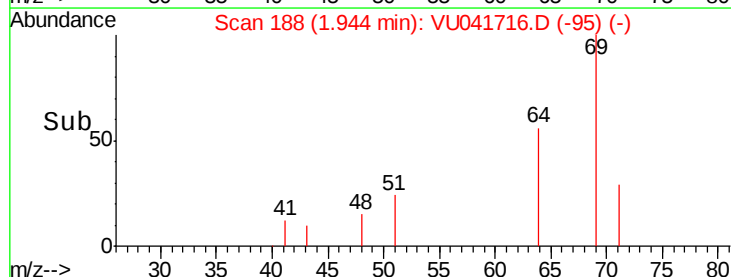
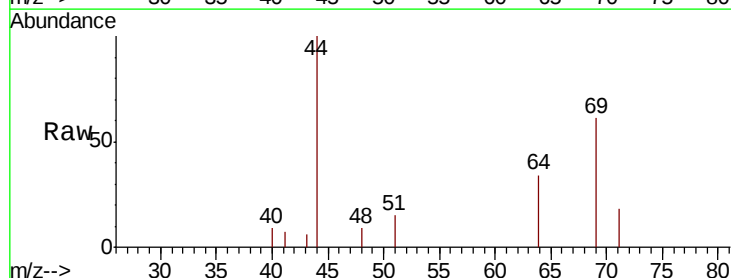
Acq: 21 Dec 2020 23:19

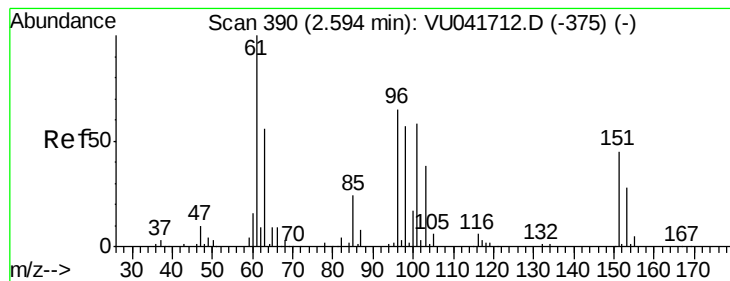
Tgt Ion: 64 Resp: 348

Ion Ratio Lower Upper

64 100

66 0.0 21.6 40.0#





#10

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

Concen: 0.045 ug/L

RT: 2.57 min Scan# 384

Delta R.T. -0.02 min

Lab File: VU041716.D

Acq: 21 Dec 2020 23:19

Instrument :

MSVOA_U

ClientSampleId :

GB251

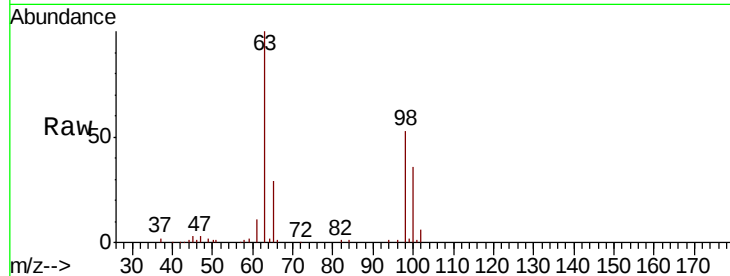
Tot Ion:101 Resp: 413

Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

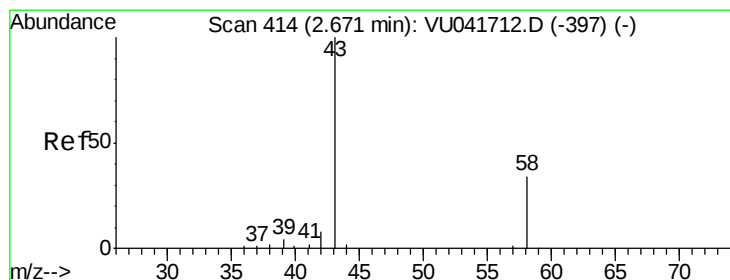
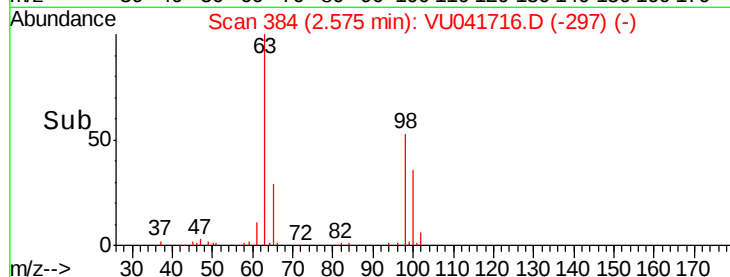
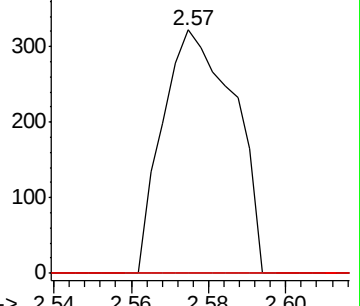
151 0.0 56.2 84.4#



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



#13

Acetone

Concen: 1.266 ug/L

RT: 2.68 min Scan# 417

Delta R.T. 0.01 min

Lab File: VU041716.D

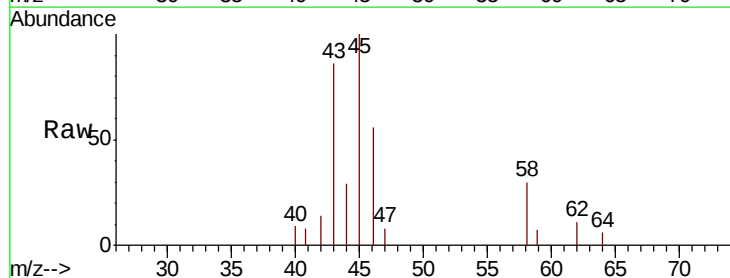
Acq: 21 Dec 2020 23:19

Tgt Ion: 43 Resp: 2411

Ion Ratio Lower Upper

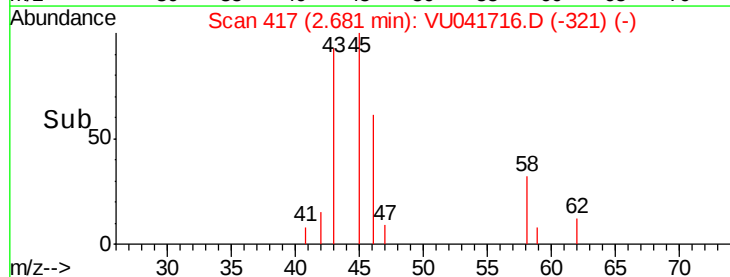
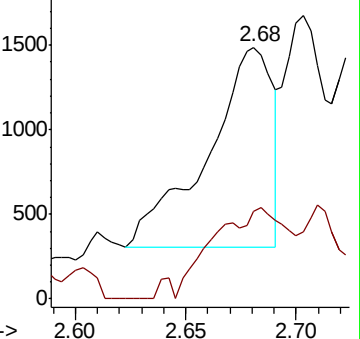
43 100

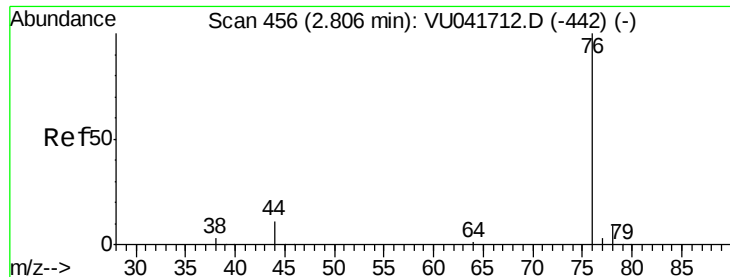
58 14.8 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#14

Carbon disulfide

Concen: 0.219 ug/L

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU041716.D

Acq: 21 Dec 2020 23:19

Instrument :

MSVOA_U

ClientSampleId :

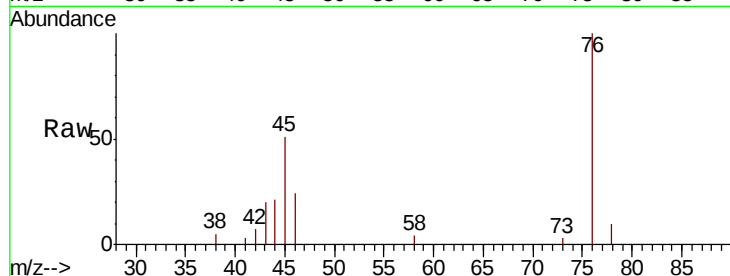
GB251

Tot Ion: 76 Resp: 6840

Ion Ratio Lower Upper

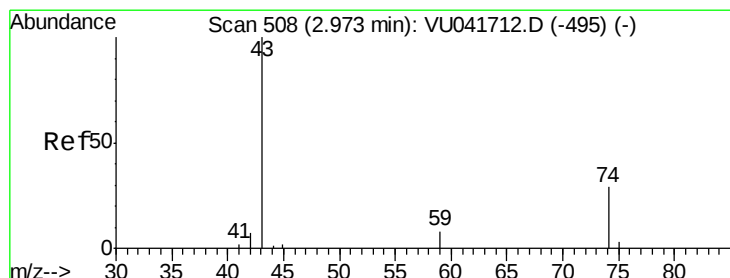
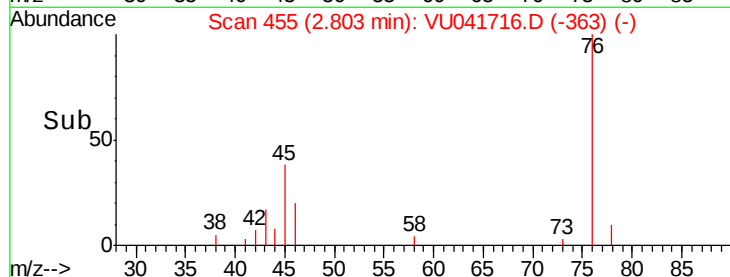
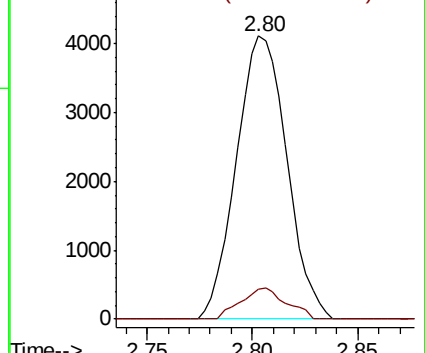
76 100

78 10.5 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0



#15

Methyl Acetate

Concen: 5.783 ug/L

RT: 2.98 min Scan# 509

Delta R.T. 0.00 min

Lab File: VU041716.D

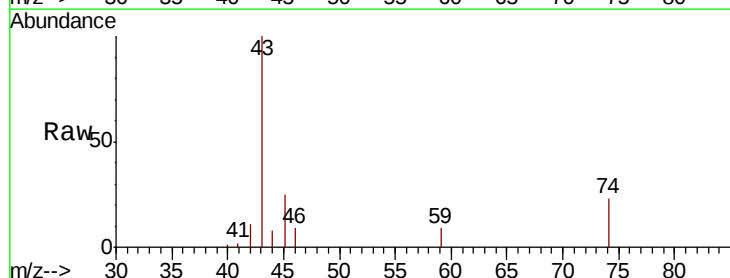
Acq: 21 Dec 2020 23:19

Tgt Ion: 43 Resp: 28624

Ion Ratio Lower Upper

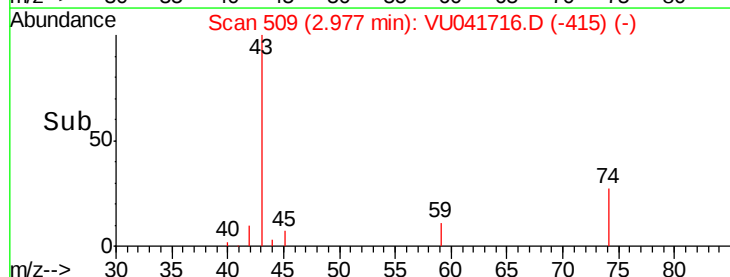
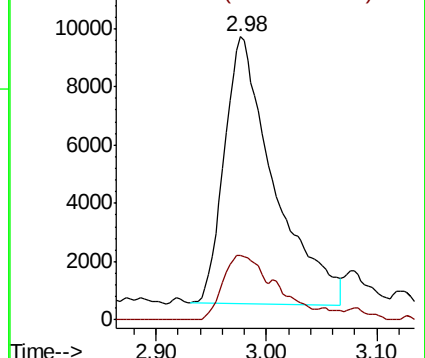
43 100

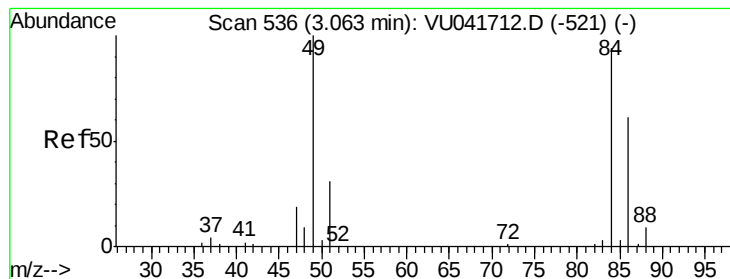
74 18.8 19.2 28.8#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0





#16

Methylene chloride

Concen: 0.204 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU041716.D

Acq: 21 Dec 2020 23:19

Instrument :

MSVOA_U

ClientSampleId :

GB251

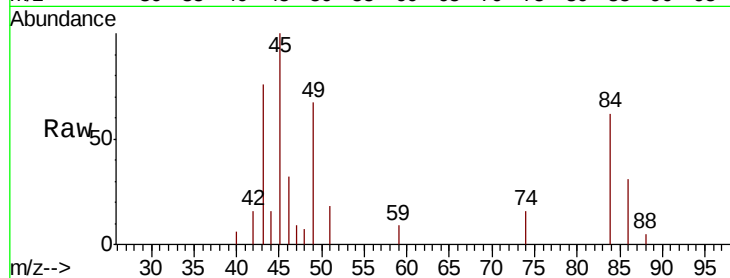
Tot Ion: 84 Resp: 2208

Ion Ratio Lower Upper

84 100

86 50.5 45.1 83.7

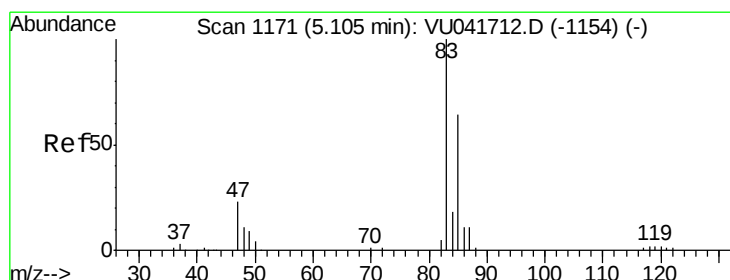
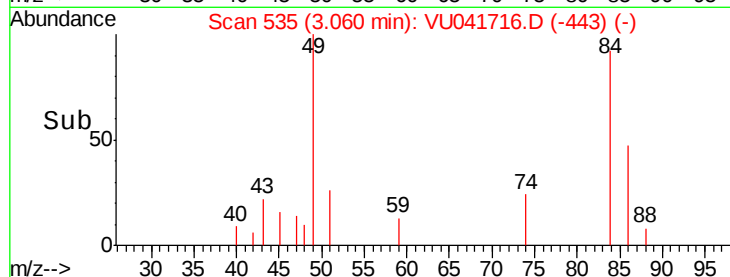
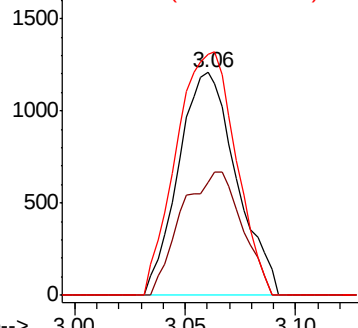
49 108.4 83.1 154.3



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



#25

Chloroform

Concen: 5.579 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VU041716.D

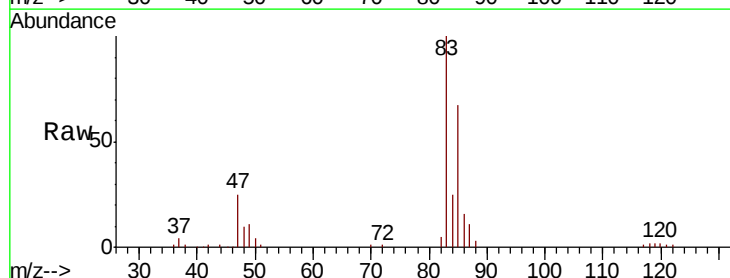
Acq: 21 Dec 2020 23:19

Tgt Ion: 83 Resp: 98212

Ion Ratio Lower Upper

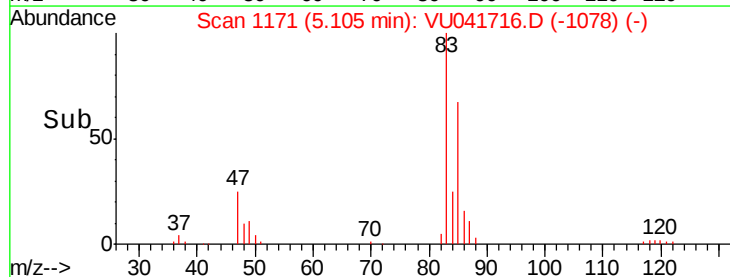
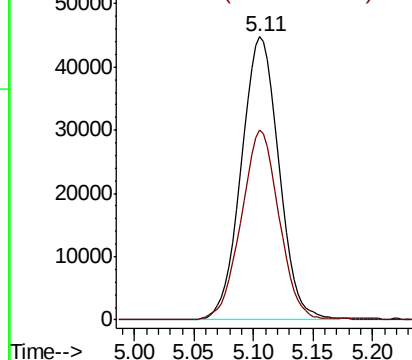
83 100

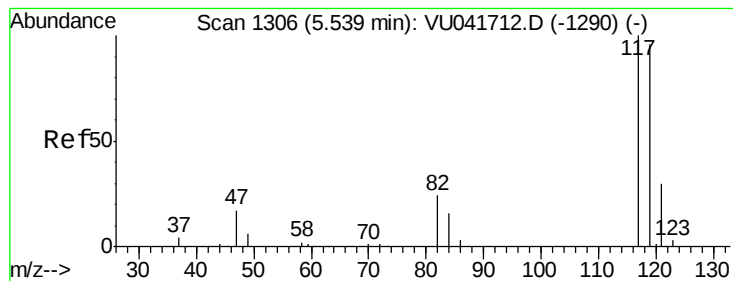
85 67.0 44.2 82.0



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0





#31

Carbon tetrachloride

Concen: 1.067 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU041716.D

Acq: 21 Dec 2020 23:19

Instrument :

MSVOA_U

ClientSampleId :

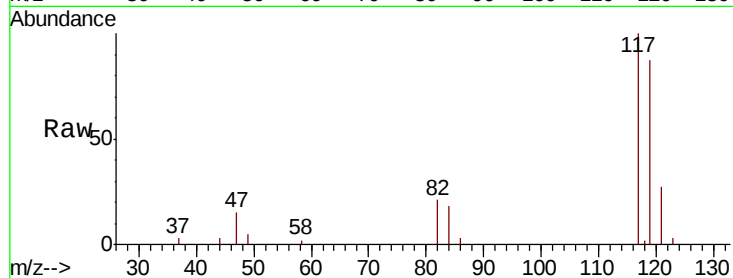
GB251

Tot Ion:117 Resp: 13704

Ion Ratio Lower Upper

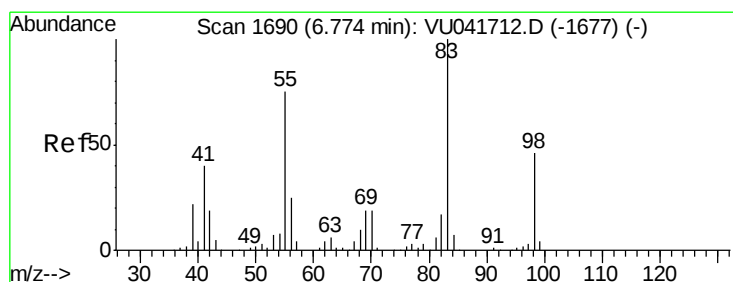
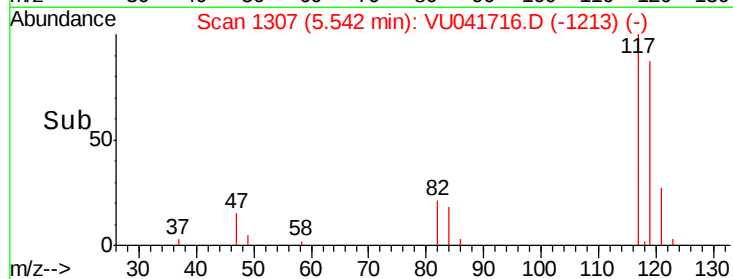
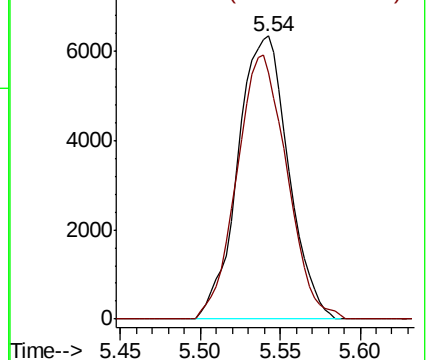
117 100

119 92.3 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: 0.764 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU041716.D

Acq: 21 Dec 2020 23:19

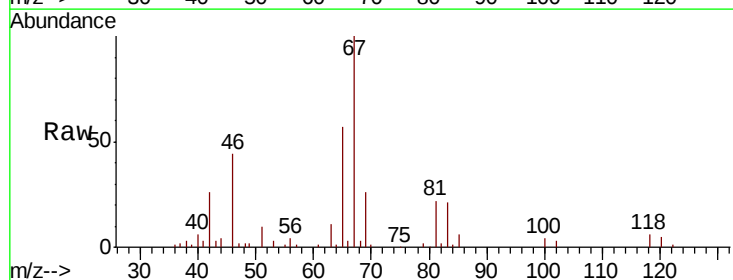
Tgt Ion: 83 Resp: 12837

Ion Ratio Lower Upper

83 100

55 3.6 61.2 91.8#

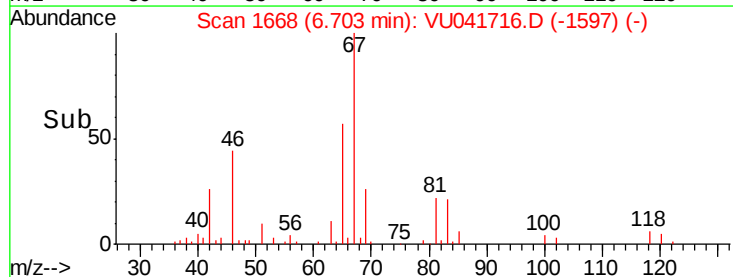
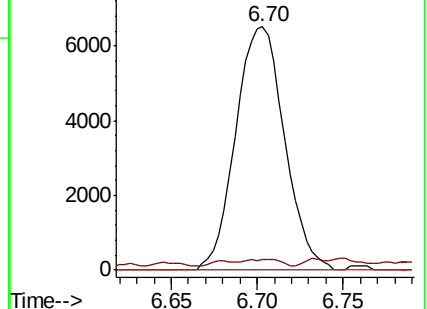
98 0.0 36.6 54.8#

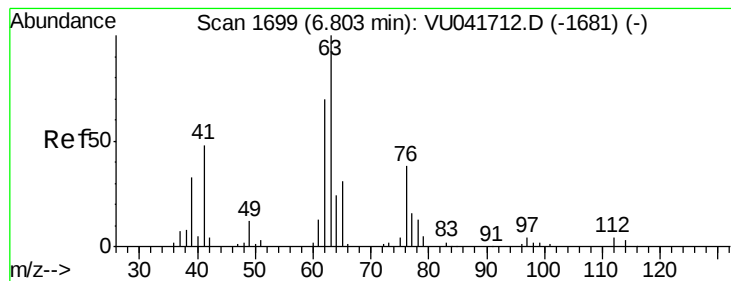


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.548 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU041716.D

Acq: 21 Dec 2020 23:19

Instrument :

MSVOA_U

ClientSampleId :

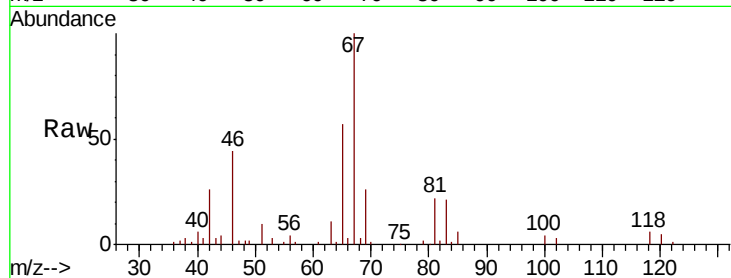
GB251

Tot Ion: 63 Resp: 5801

Ion Ratio Lower Upper

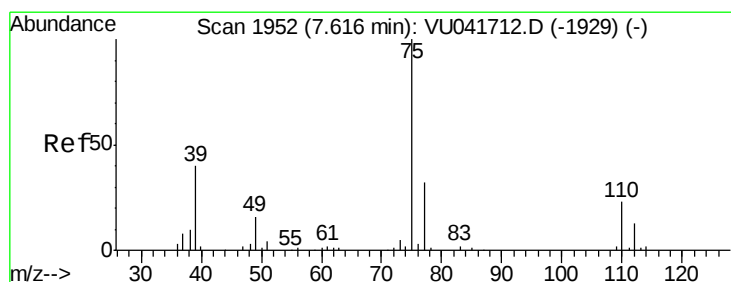
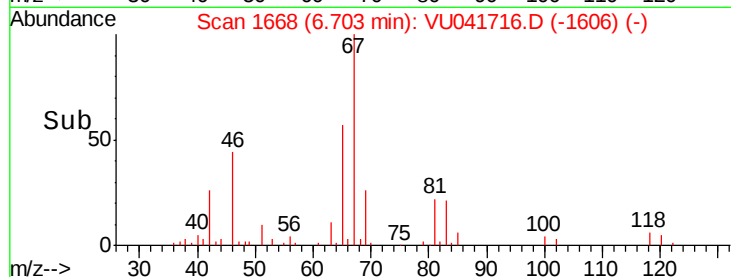
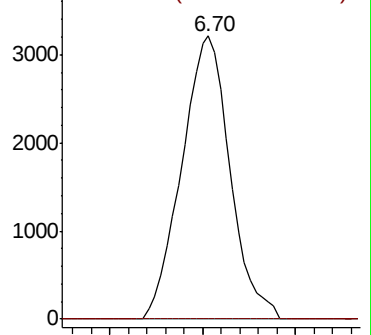
63 100

112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU041712.D (-1681) (-)

Ion 112.10 (111.80 to 112.80): VU041712.D (-1681) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.089 ug/L

RT: 7.57 min Scan# 1937

Delta R.T. -0.05 min

Lab File: VU041716.D

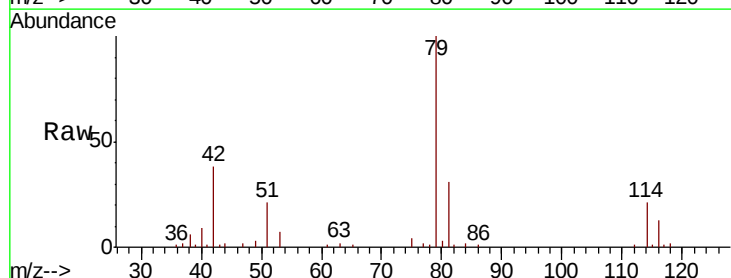
Acq: 21 Dec 2020 23:19

Tgt Ion: 75 Resp: 1402

Ion Ratio Lower Upper

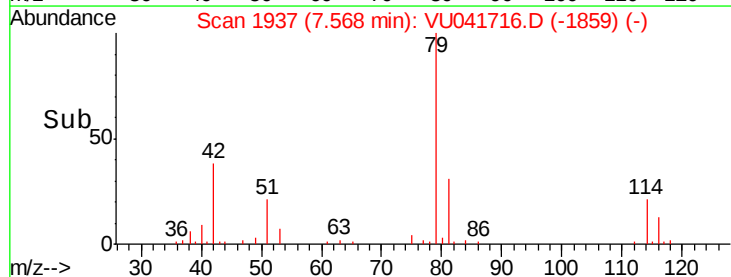
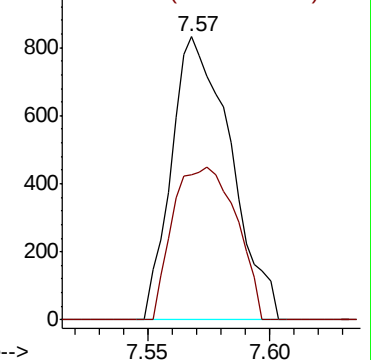
75 100

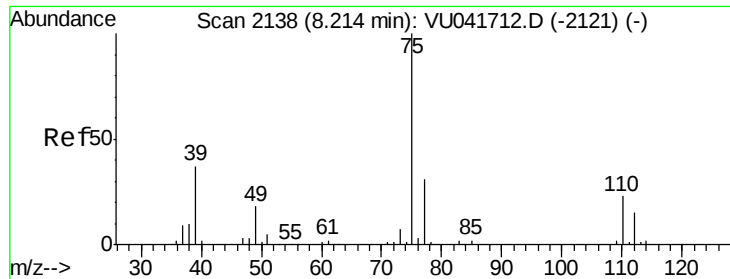
77 51.3 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU041712.D (-1929) (-)

Ion 77.05 (76.75 to 77.75): VU041712.D (-1929) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.088 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU041716.D

Acq: 21 Dec 2020 23:19

Instrument :

MSVOA_U

ClientSampled :

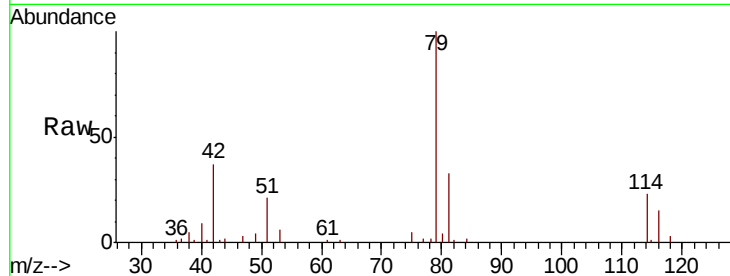
GB251

Tot Ion: 75 Resp: 1236

Ion Ratio Lower Upper

75 100

77 41.9 23.8 44.2



Abundance Ion 75.05 (74.75 to 75.75): VU041712.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU041712.D (-2121) (-)

8.18

8.20

8.22

8.24

8.26

8.28

8.30

8.32

8.34

8.36

8.38

8.40

8.42

8.44

8.46

8.48

8.50

8.52

8.54

8.56

8.58

8.60

8.62

8.64

8.66

8.68

8.70

8.72

8.74

8.76

8.78

8.80

8.82

8.84

8.86

8.88

8.90

8.92

8.94

8.96

8.98

9.00

9.02

9.04

9.06

9.08

9.10

9.12

9.14

9.16

9.18

9.20

9.22

9.24

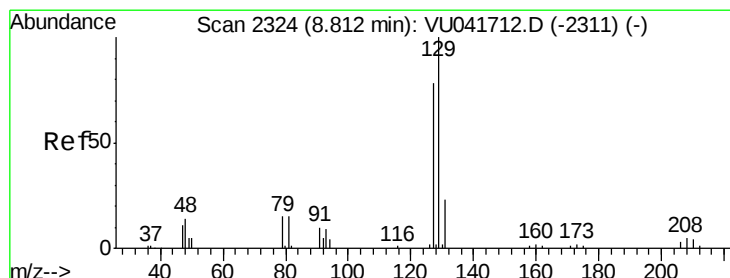
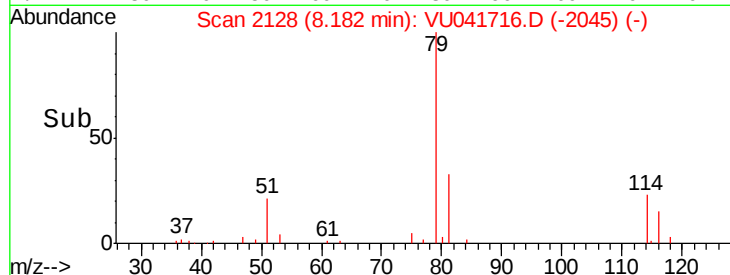
9.26

9.28

9.30

9.32

9.34



#49

Dibromochloromethane

Concen: 0.046 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU041716.D

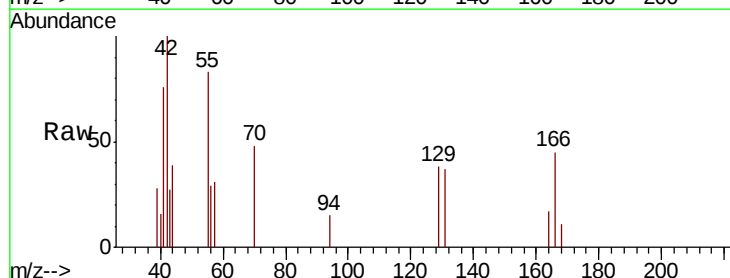
Acq: 21 Dec 2020 23:19

Tgt Ion:129 Resp: 410

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#



Abundance Ion 128.95 (128.65 to 129.65): VU041712.D (-2311) (-)

Ion 126.90 (126.60 to 127.60): VU041712.D (-2311) (-)

8.56

8.58

8.60

8.62

8.64

8.66

8.68

8.70

8.72

8.74

8.76

8.78

8.80

8.82

8.84

8.86

8.88

8.90

8.92

8.94

8.96

8.98

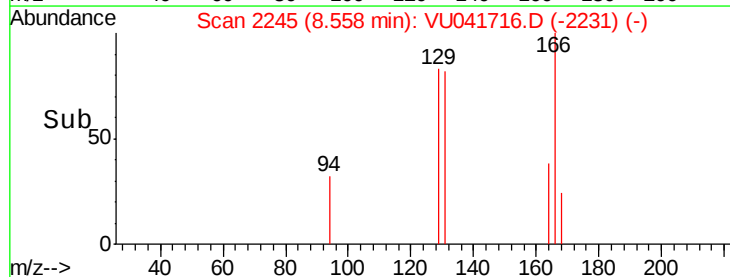
9.00

9.02

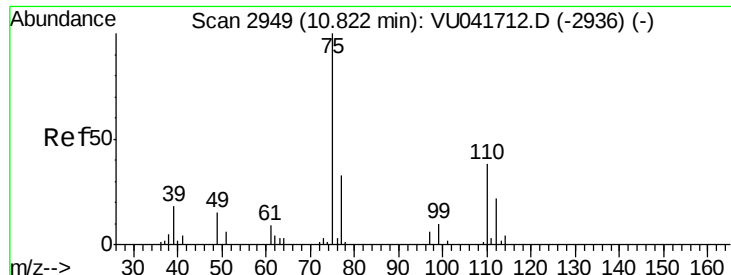
9.04

9.06

9.08



Time-->



#59

1,2,3-Trichloropropane

Concen: 1.003 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041716.D

Acq: 21 Dec 2020 23:19

Instrument :

MSVOA_U

ClientSampleId :

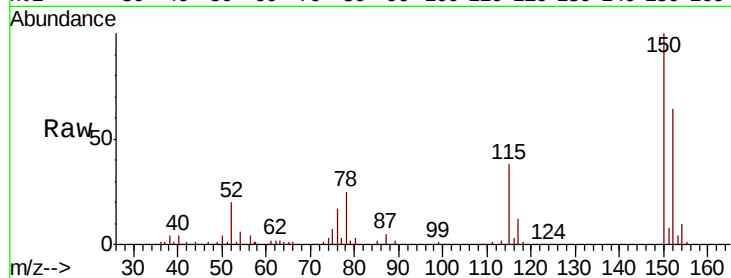
GB251

Tot Ion: 75 Resp: 7973

Ion Ratio Lower Upper

75 100

77 33.9 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

