

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
 Data File : VU041921.D
 Acq On : 11 Jan 2021 15:32
 Operator : SY/MD
 Sample : M1026-01DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXJ8DL

Quant Time: Jan 13 09:51:31 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011121WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jan 12 03:17:19 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	120039	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	118510	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	51945	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	50697	5.01	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.20%
7) Chloroethane-d5	1.92	69	48029	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.60%
11) 1,1-Dichloroethene-d2	2.58	63	72627	3.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.80%
20) 2-Butanone-d5	4.65	46	147299	52.39	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.78%
24) Chloroform-d	5.08	84	87413	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	5.72	65	51047	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.00%
32) Benzene-d6	5.74	84	184033	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.00%
36) 1,2-Dichloropropane-d6	6.70	67	52838	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.00%
41) Toluene-d8	7.90	98	146830	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
43) trans-1,3-Dichloropropene-	8.19	79	22379	4.87	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.40%
46) 2-Hexanone-d5	8.64	63	123008	52.96	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.92%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48716	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	51961	5.29	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.80%

Target Compounds

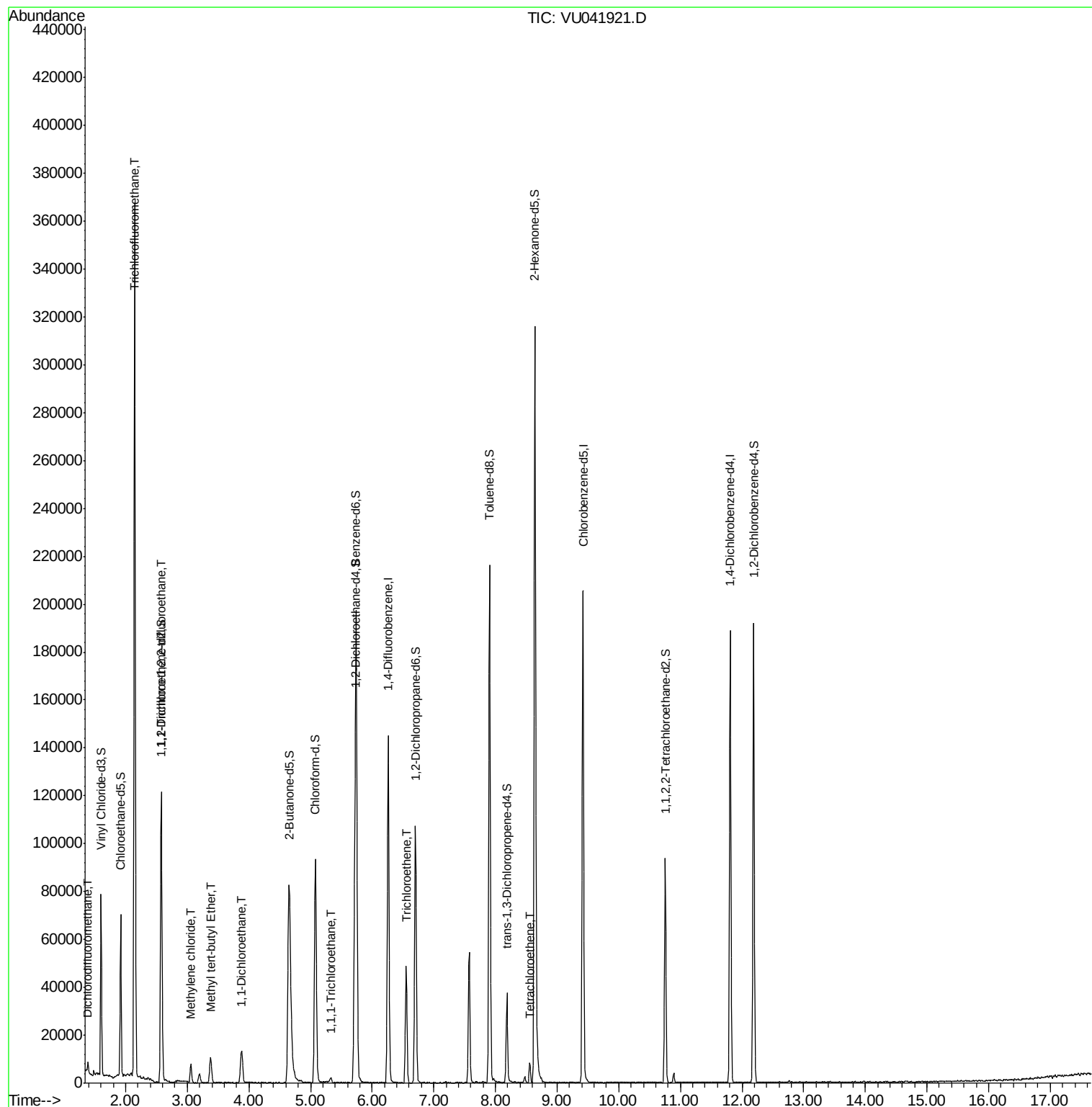
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	1817	0.156	ug/L	94
9) Trichlorofluoromethane	2.15	101	232866	13.161	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	4007	0.416	ug/L	90
16) Methylene chloride	3.06	84	3617	0.307	ug/L	99
17) Methyl tert-butyl Ether	3.38	73	12322	0.548	ug/L	98
19) 1,1-Dichloroethane	3.89	63	12773	0.748	ug/L	96
29) 1,1,1-Trichloroethane	5.34	97	1762	0.114	ug/L	92
34) Trichloroethene	6.55	95	16621	1.658	ug/L	97
47) Tetrachloroethene	8.56	164	1911	0.274	ug/L	93

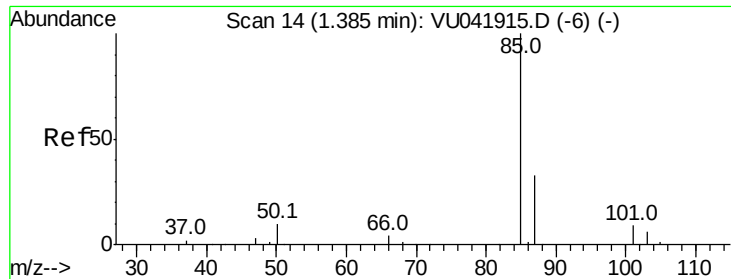
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU011121\
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Acq On : 11 Jan 2021 15:32
Operator : SY/MD
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Misc : 25.0mL/MSVOA U/WATER
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Instrument :
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Quant Time: Jan 13 09:51:31 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011121WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jan 12 03:17:19 2021
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.156 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041921.D

Acq: 11 Jan 2021 15:32

Instrument :

MSVOA_U

ClientSampleId :

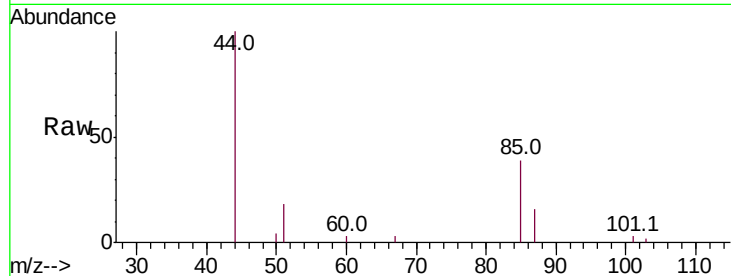
BFXJ8DL

Tot Ion: 85 Resp: 1817

Ion Ratio Lower Upper

85 100

87 36.3 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU041915.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VU041915.D (-6) (-)

1.39

2000

1500

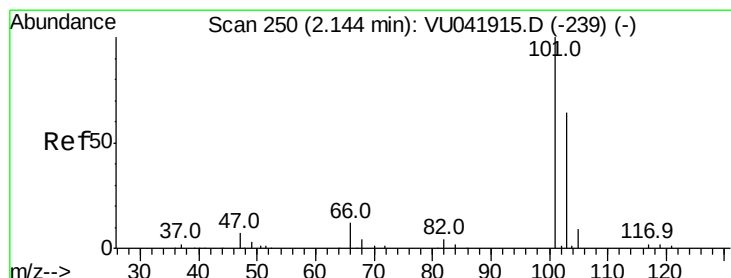
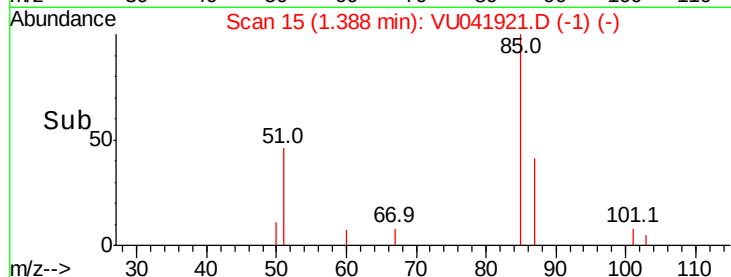
1000

500

0

1.36 1.38 1.40 1.42

Time-->



#9

Trichlorofluoromethane

Concen: 13.161 ug/L

RT: 2.15 min Scan# 251

Delta R.T. 0.00 min

Lab File: VU041921.D

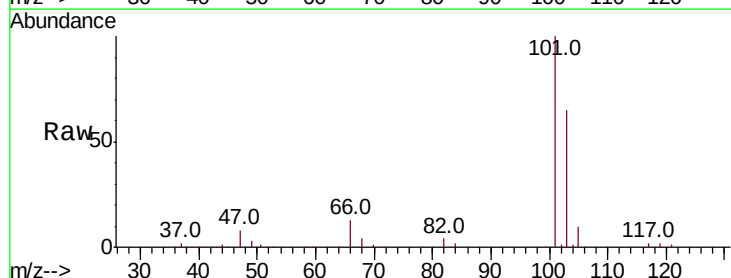
Acq: 11 Jan 2021 15:32

Tgt Ion: 101 Resp: 232866

Ion Ratio Lower Upper

101 100

103 65.4 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VU041915.D (-239) (-)

Ion 103.00 (102.70 to 103.70): VU041915.D (-239) (-)

2.15

150000

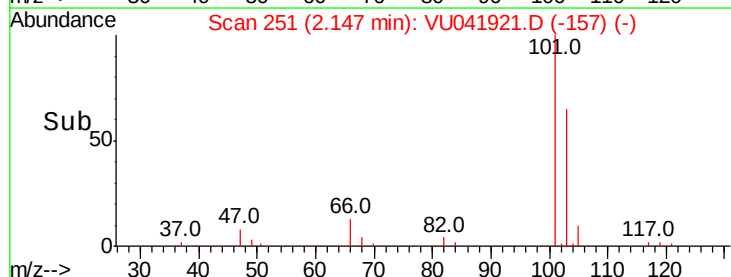
100000

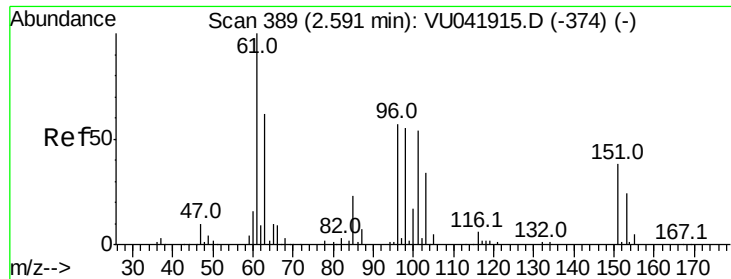
50000

0

2.05 2.10 2.15 2.20 2.25

Time-->





#10

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

Concen: 0.416 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041921.D

Acq: 11 Jan 2021 15:32

Instrument :

MSVOA_U

ClientSampleId :

BFXJ8DL

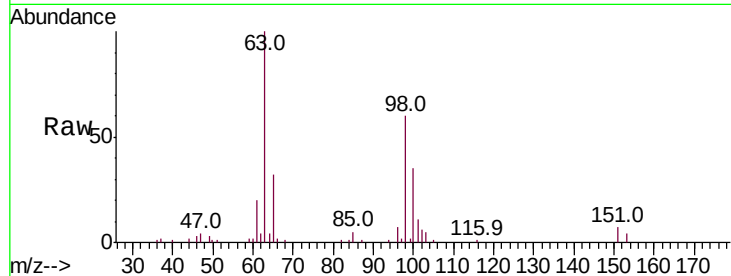
Tot Ion:101 Resp: 4007

Ion Ratio Lower Upper

101 100

85 36.3 35.1 52.7

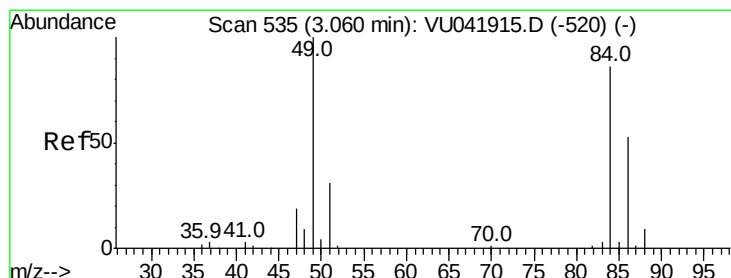
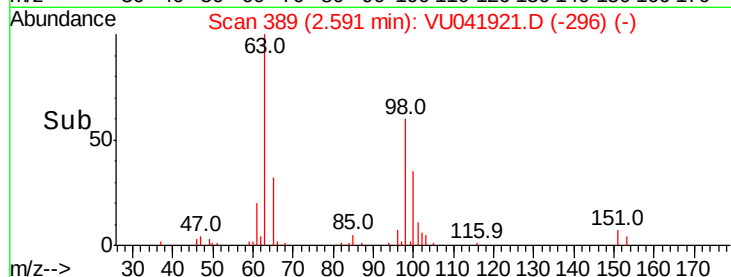
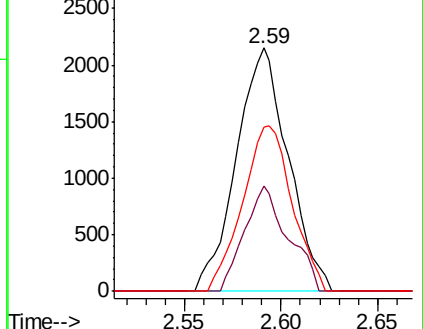
151 64.9 58.2 87.2



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



#16

Methylene chloride

Concen: 0.307 ug/L

RT: 3.06 min Scan# 534

Delta R.T. -0.00 min

Lab File: VU041921.D

Acq: 11 Jan 2021 15:32

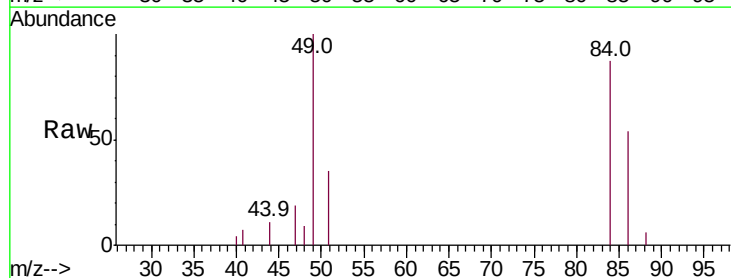
Tgt Ion: 84 Resp: 3617

Ion Ratio Lower Upper

84 100

86 62.7 43.5 80.7

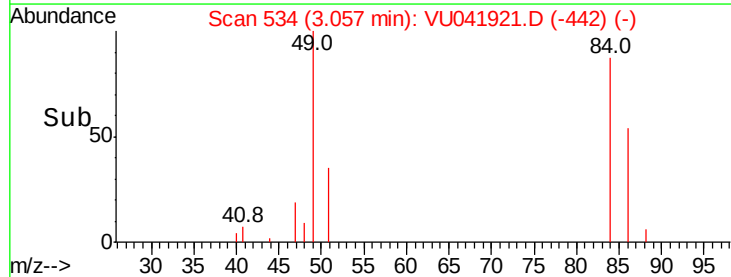
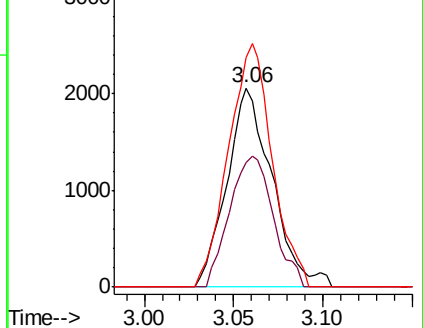
49 115.4 81.8 151.8

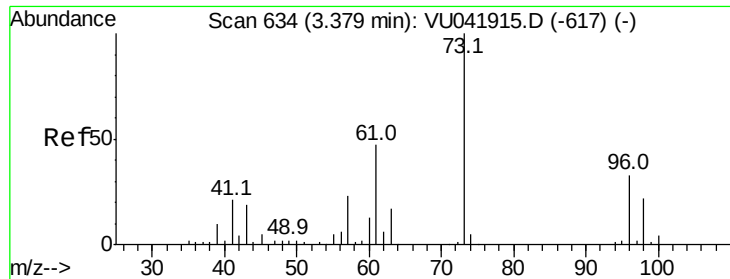


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

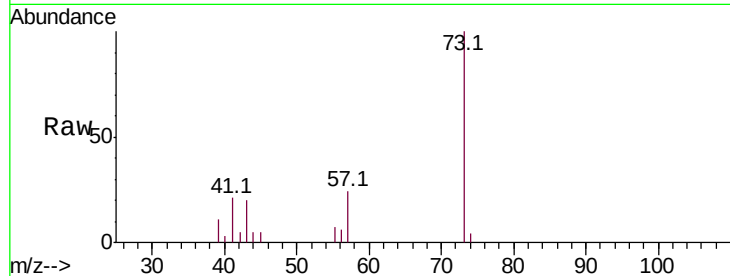




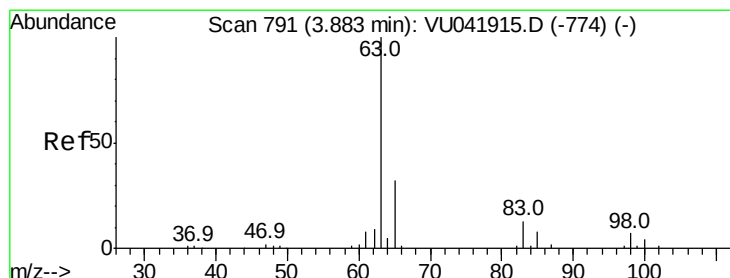
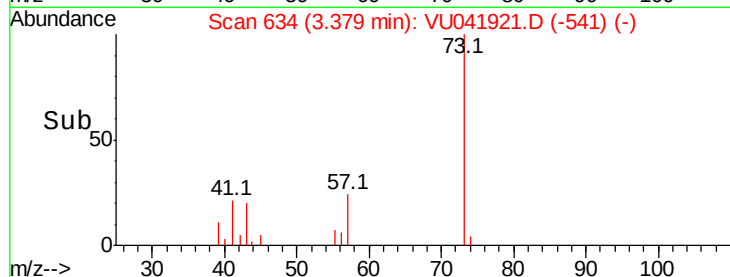
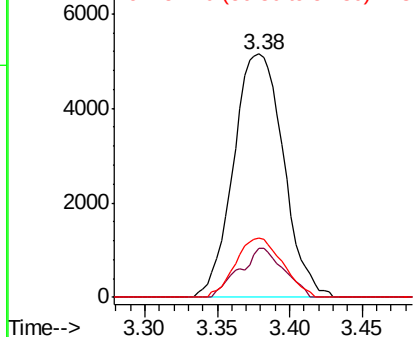
#17
Methyl tert-butyl Ether
Concen: 0.548 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU041921.D
Acq: 11 Jan 2021 15:32

Instrument :
MSVOA_U
ClientSampleId :
BFXJ8DL

Tot Ion: 73 Resp: 12322
Ion Ratio Lower Upper
73 100
43 18.0 15.8 23.8
57 23.0 18.3 27.5

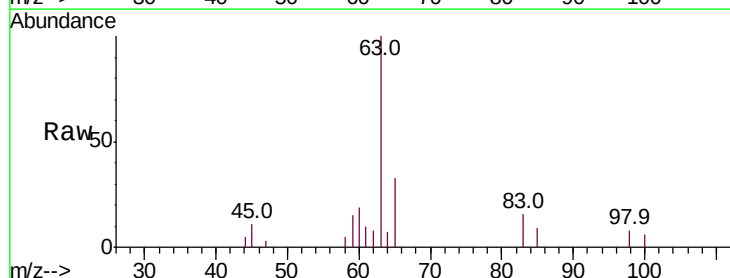


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

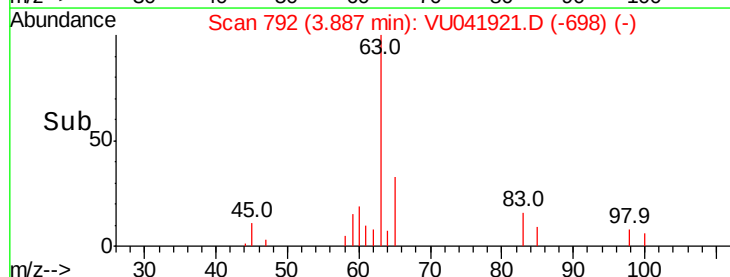
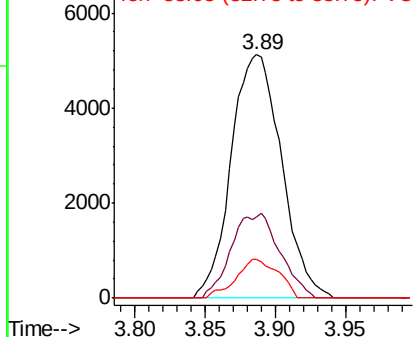


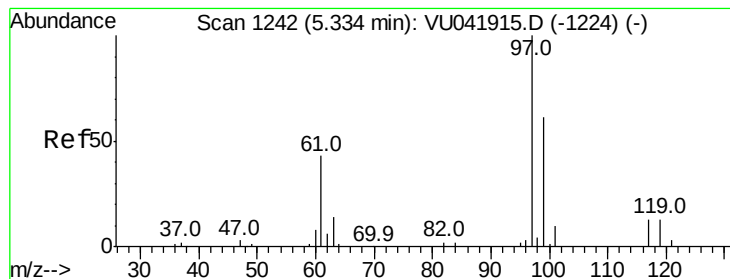
#19
1,1-Dichloroethane
Concen: 0.748 ug/L
RT: 3.89 min Scan# 792
Delta R.T. 0.00 min
Lab File: VU041921.D
Acq: 11 Jan 2021 15:32

Tgt Ion: 63 Resp: 12773
Ion Ratio Lower Upper
63 100
65 33.5 22.3 41.5
83 16.1 9.0 16.8



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





#29

1,1,1-Trichloroethane

Concen: 0.114 ug/L

RT: 5.34 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VU041921.D

Acq: 11 Jan 2021 15:32

Instrument :

MSVOA_U

ClientSampled :

BFXJ8DL

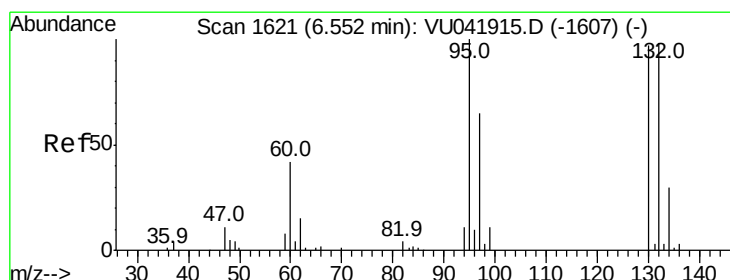
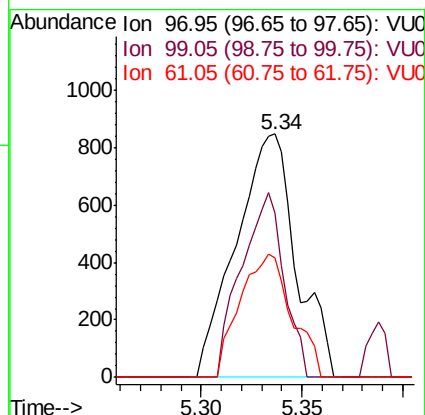
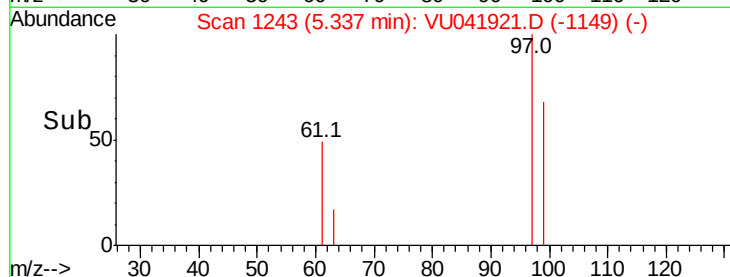
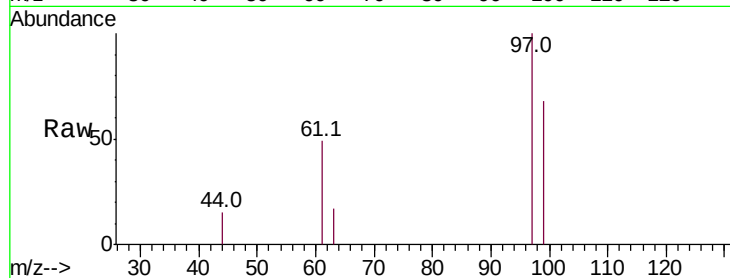
Tot Ion: 97 Resp: 1762

Ion Ratio Lower Upper

97 100

99 54.3 51.4 77.2

61 43.6 35.3 52.9



#34

Trichloroethene

Concen: 1.658 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU041921.D

Acq: 11 Jan 2021 15:32

Tgt Ion: 95 Resp: 16621

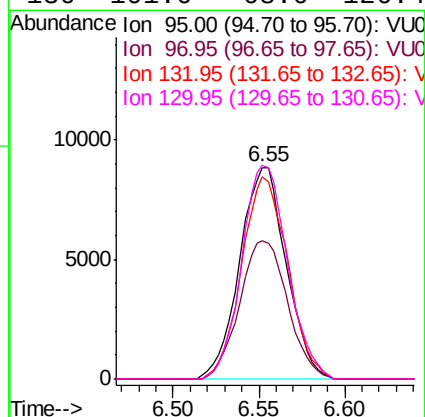
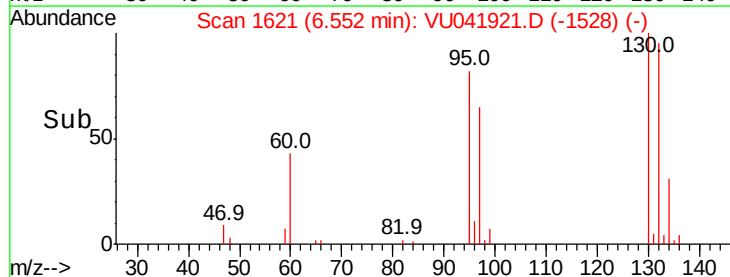
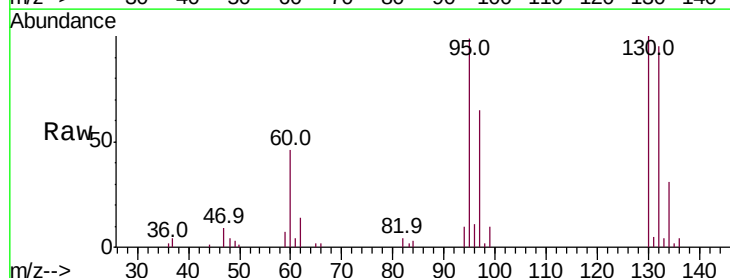
Ion Ratio Lower Upper

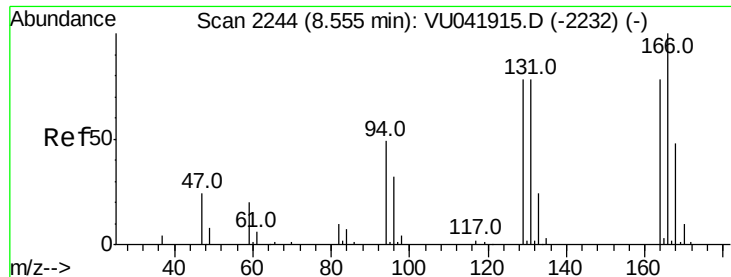
95 100

97 65.6 45.2 84.0

132 95.5 68.7 127.5

130 101.0 68.0 126.4





#47

Tetrachloroethene

Concen: 0.274 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. 0.01 min

Lab File: VU041921.D

Acq: 11 Jan 2021 15:32

Instrument :

MSVOA_U

ClientSampleId :

BFXJ8DL

Tot Ion:164 Resp: 1911

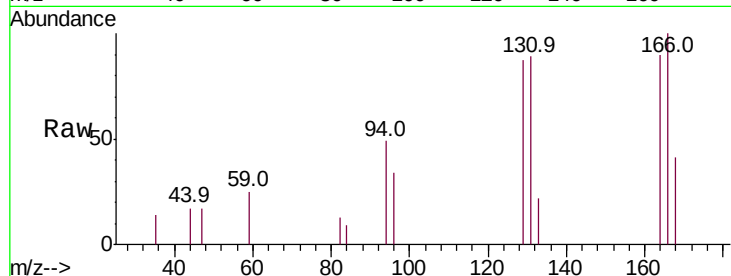
Ion Ratio Lower Upper

164 100

129 96.4 69.2 128.6

131 98.7 69.7 129.5

166 110.6 89.2 165.8



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

