

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010921\
 Data File : VU041872.D
 Acq On : 07 Jan 2021 15:05
 Operator : SY/MD
 Sample : M1026-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXJ9

Manual Integrations
 APPROVED

MMDadoda
 1/11/2021 1:41:41 PM

Quant Time: Jan 08 05:31:08 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jan 08 04:58:19 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	141114	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	132021	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	55300	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	47524	4.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.20%
7) Chloroethane-d5	1.92	69	49559	5.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	116.00%
11) 1,1-Dichloroethene-d2	2.58	63	70371	3.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.20%
20) 2-Butanone-d5	4.65	46	185570	58.56	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.12%
24) Chloroform-d	5.08	84	104330	5.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.40%
26) 1,2-Dichloroethane-d4	5.72	65	60873	5.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.60%
32) Benzene-d6	5.74	84	201056	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.40%
36) 1,2-Dichloropropane-d6	6.70	67	68156	5.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	115.00%
41) Toluene-d8	7.90	98	157621	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
43) trans-1,3-Dichloropropene-	8.19	79	24140	4.53	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.60%
46) 2-Hexanone-d5	8.64	63	140566	48.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.50%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	56626	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	55872	5.68	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	2185	0.183 ug/L	100
3) Chloromethane	1.52	50	605	0.052 ug/L	92
9) Trichlorofluoromethane	2.15	101	53392	3.289 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	2113	0.218 ug/L #	67
13) Acetone	2.66	43	4461m	2.213 ug/L	
16) Methylene chloride	3.06	84	1801	0.158 ug/L	88
17) Methyl tert-butyl Ether	3.38	73	16583	0.649 ug/L	96
18) trans-1,2-Dichloroethene	3.37	96	6740	0.681 ug/L	93
19) 1,1-Dichloroethane	3.88	63	4101	0.222 ug/L	97
22) cis-1,2-Dichloroethene	4.68	96	25080	2.292 ug/L	91
29) 1,1,1-Trichloroethane	5.33	97	3556	0.235 ug/L	96
34) Trichloroethene	6.55	95	117779	11.101 ug/L	97
47) Tetrachloroethene	8.56	164	21693	2.921 ug/L	96

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

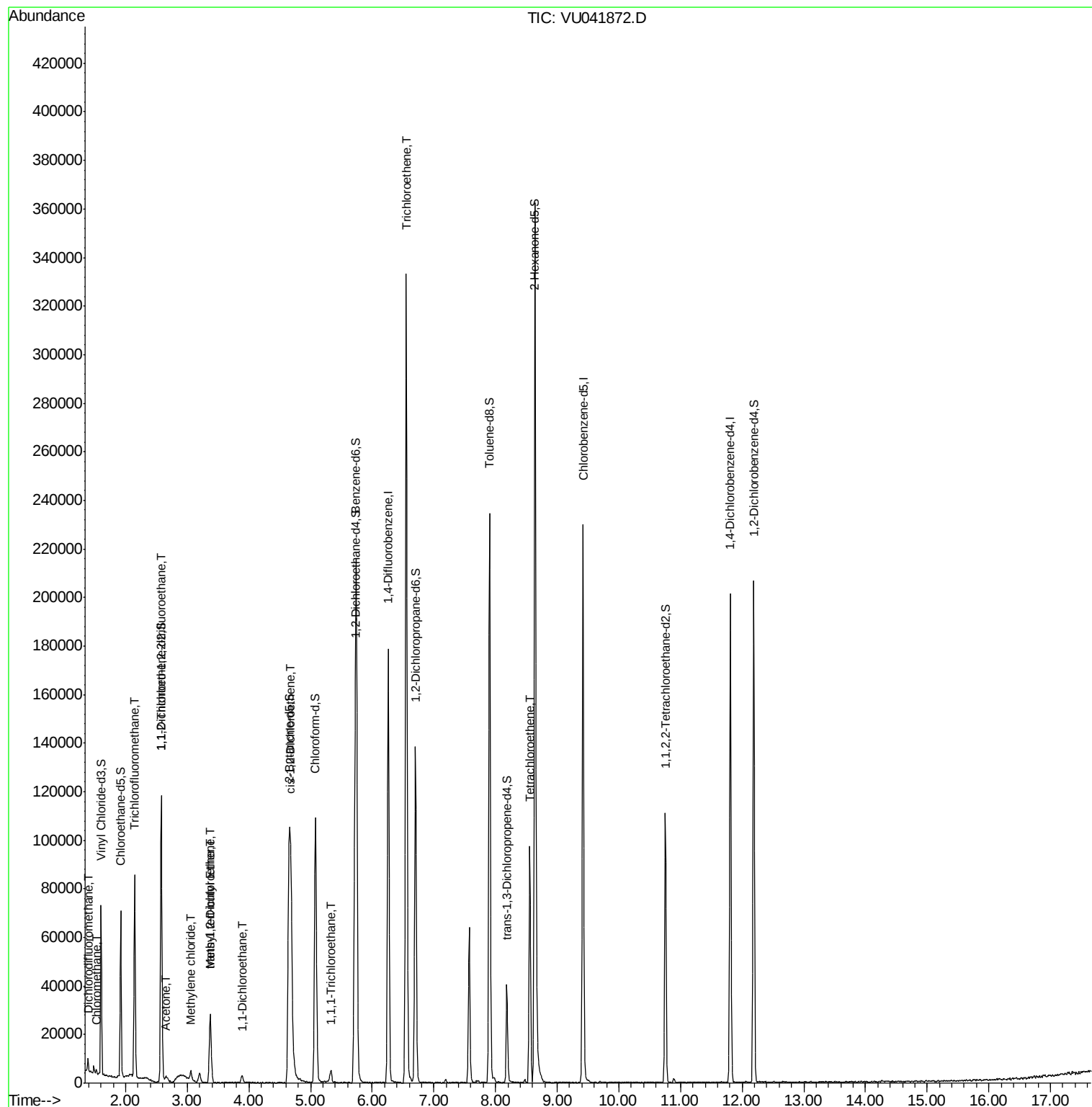
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010921\
Data File : VU041872.D
Acq On : 07 Jan 2021 15:05
Operator : SY/MD
Sample : M1026-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

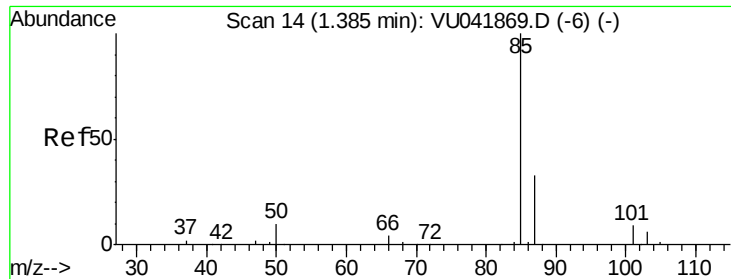
Instrument :
MSVOA_U
ClientSampleId :
BFXJ9

Manual Integrations
APPROVED

MMDadoda
1/11/2021 1:41:41 PM

Quant Time: Jan 08 05:31:08 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jan 08 04:58:19 2021
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.183 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041872.D

Acq: 07 Jan 2021 15:05

Instrument :

MSVOA_U

ClientSampled :

BFXJ9

Tgt Ion: 85 Resp: 2185

Ion Ratio Lower Upper

85 100

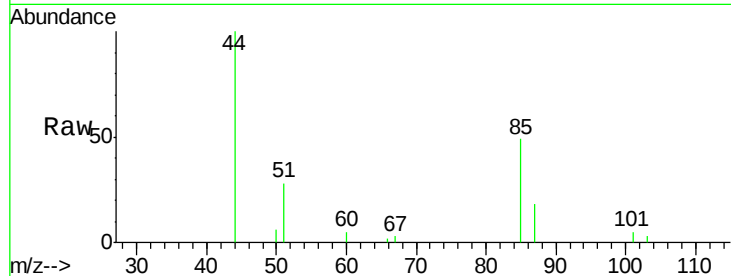
87 32.3 25.8 38.6

Manual Integrations

APPROVED

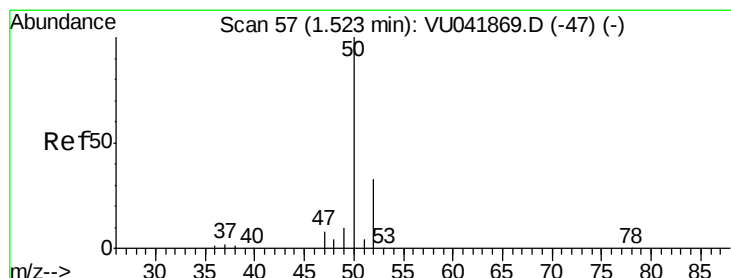
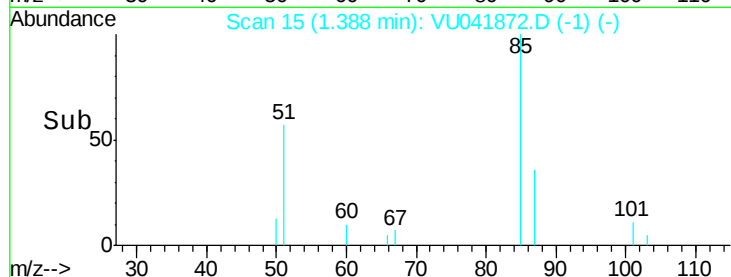
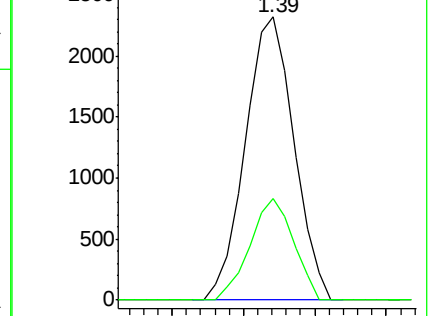
MMDadoda

1/11/2021 1:41:41 PM



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 0.052 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041872.D

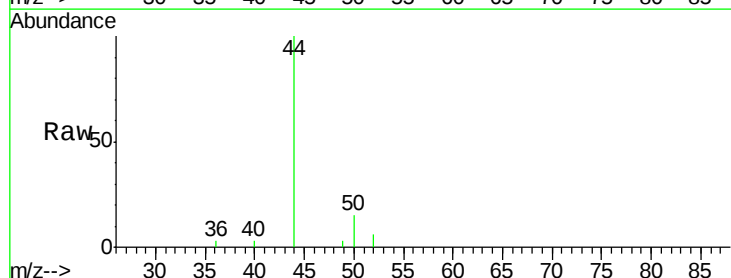
Acq: 07 Jan 2021 15:05

Tgt Ion: 50 Resp: 605

Ion Ratio Lower Upper

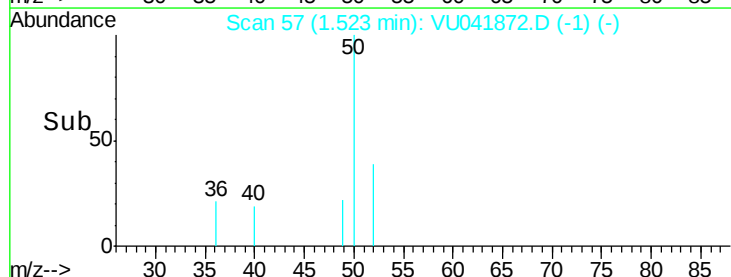
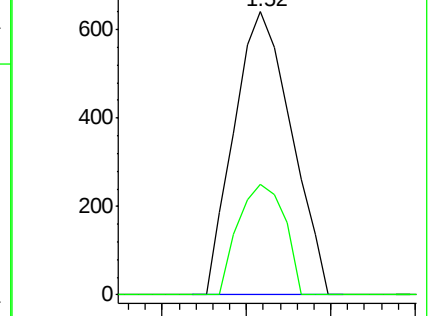
50 100

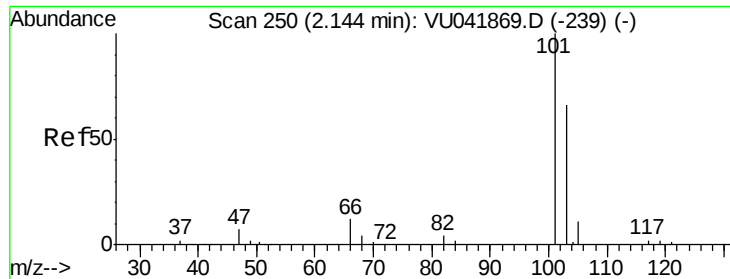
52 39.2 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#9

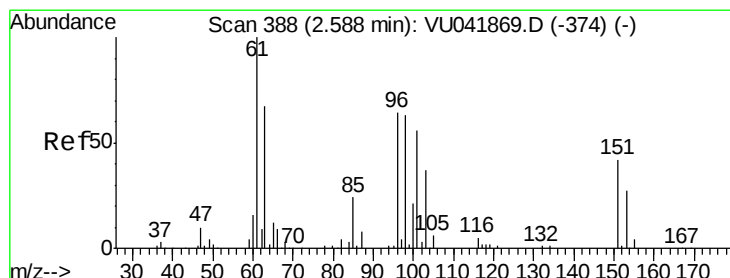
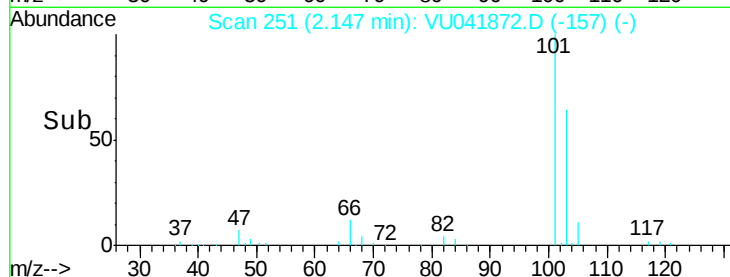
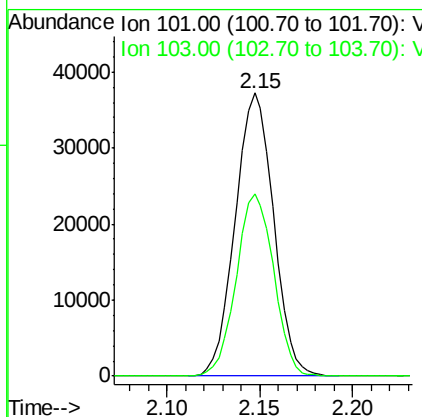
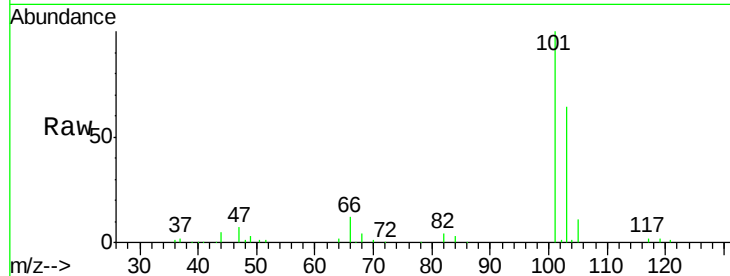
Trichlorofluoromethane
Concen: 3.289 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU041872.D
Acq: 07 Jan 2021 15:05

Instrument :
MSVOA_U
ClientSampleId :
BFXJ9

Tgt Ion:101 Resp: 53392
Ion Ratio Lower Upper
101 100
103 62.9 51.1 76.7

Manual Integrations
APPROVED

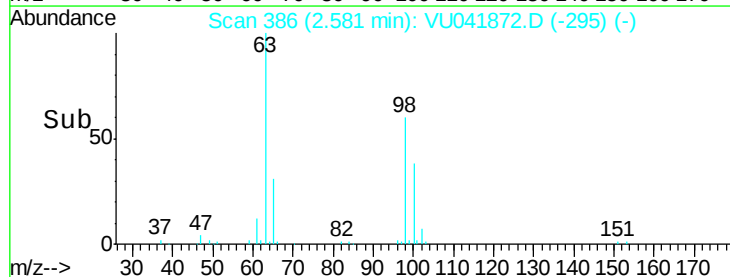
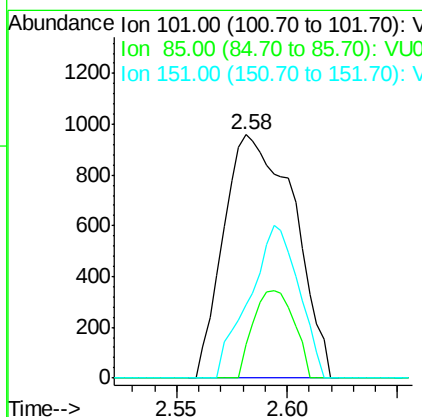
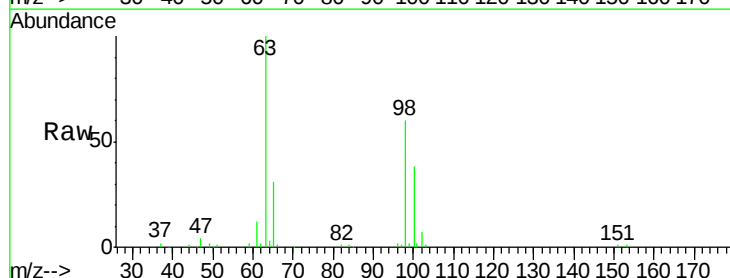
MMDadoda
1/11/2021 1:41:41 PM

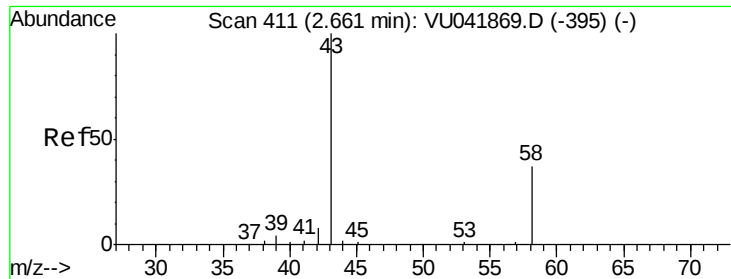


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.218 ug/L
RT: 2.58 min Scan# 386
Delta R.T. -0.01 min
Lab File: VU041872.D
Acq: 07 Jan 2021 15:05

Tgt Ion:101 Resp: 2113
Ion Ratio Lower Upper
101 100
85 20.9 33.6 50.4#
151 44.0 56.2 84.4#





#13

Acetone

Concen: 2.213 ug/L m

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU041872.D

Acq: 07 Jan 2021 15:05

Instrument :

MSVOA_U

ClientSampleId :

BFXJ9

Tgt Ion: 43 Resp: 4461

Ion Ratio Lower Upper

43 100

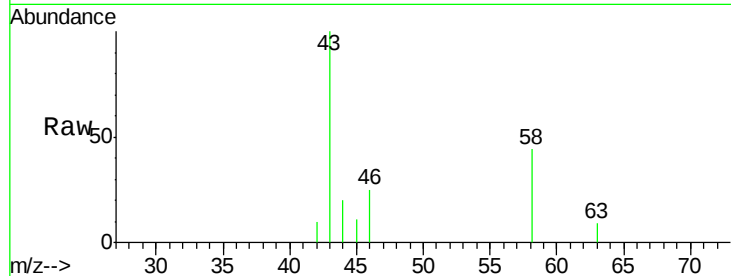
58 19.4 0.0 73.2

Manual Integrations

APPROVED

MMDadoda

1/11/2021 1:41:41 PM



Abundance Ion 43.05 (42.75 to 43.75): VU041869.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VU041869.D (-395) (-)

2.66

1500

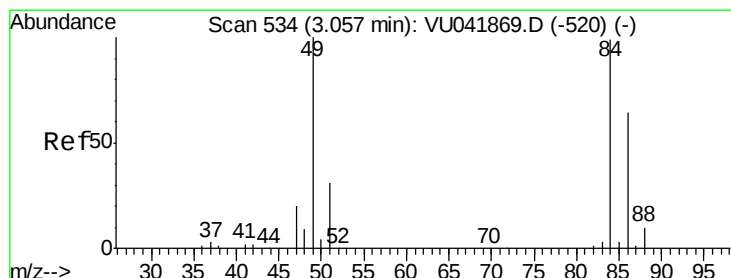
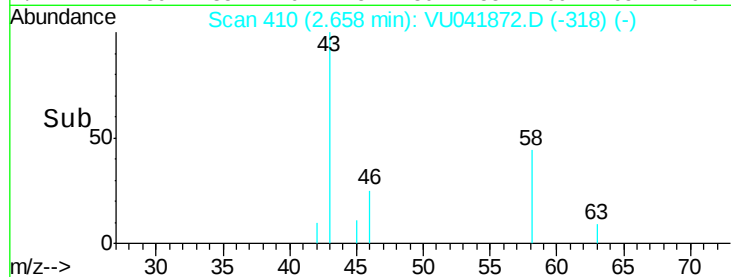
1000

500

0

Time-->

2.60 2.65 2.70 2.75



#16

Methylene chloride

Concen: 0.158 ug/L

RT: 3.06 min Scan# 534

Delta R.T. 0.00 min

Lab File: VU041872.D

Acq: 07 Jan 2021 15:05

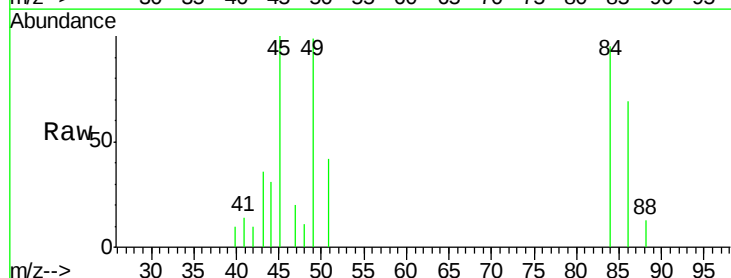
Tgt Ion: 84 Resp: 1801

Ion Ratio Lower Upper

84 100

86 73.0 45.1 83.7

49 104.1 83.1 154.3



Abundance Ion 84.05 (83.75 to 84.75): VU041869.D (-520) (-)

Ion 86.00 (85.70 to 86.70): VU041869.D (-520) (-)

Ion 49.10 (48.80 to 49.80): VU041869.D (-520) (-)

3.06

1200

1000

800

600

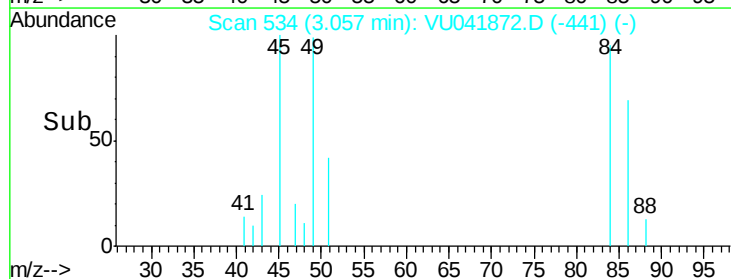
400

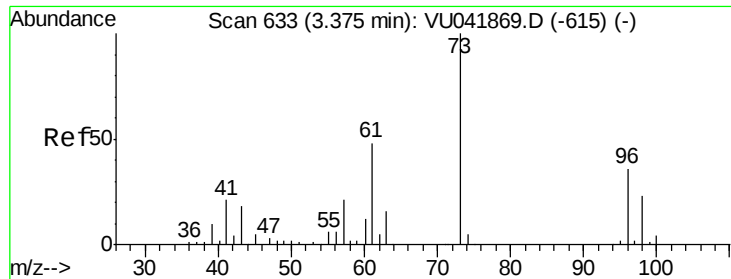
200

0

Time-->

3.00 3.05 3.10





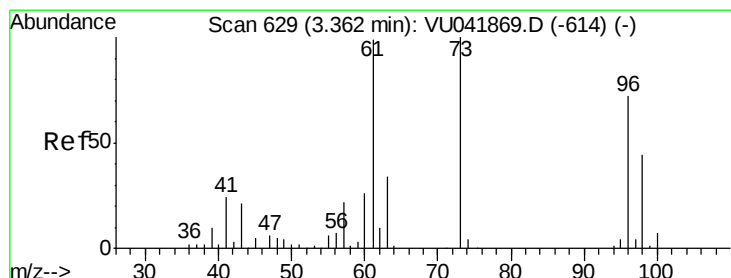
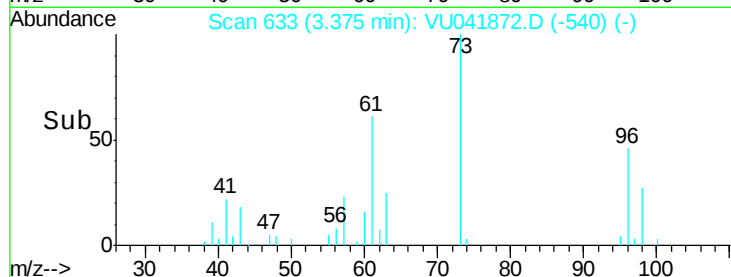
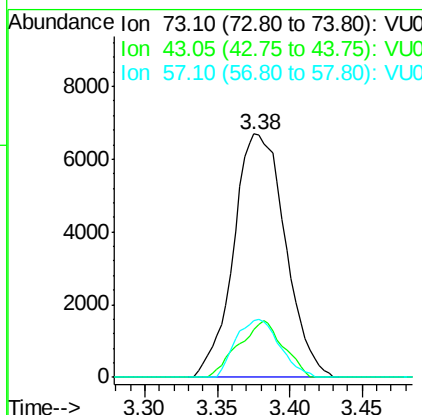
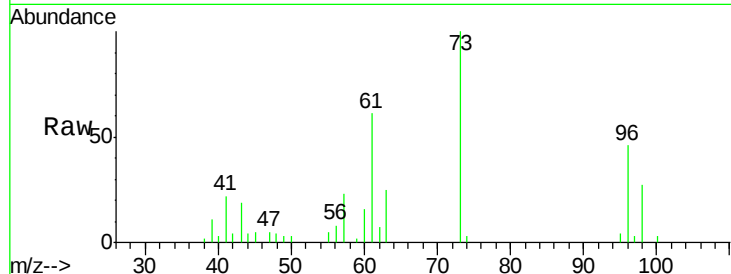
#17
Methyl tert-butyl Ether
Concen: 0.649 ug/L
RT: 3.38 min Scan# 633
Delta R.T. 0.00 min
Lab File: VU041872.D
Acq: 07 Jan 2021 15:05

Instrument :
MSVOA_U
ClientSampleId :
BFXJ9

Tgt Ion: 73 Resp: 16583
Ion Ratio Lower Upper
73 100
43 19.9 14.7 22.1
57 20.2 18.2 27.4

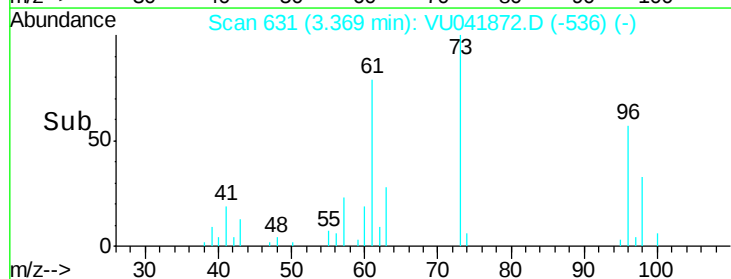
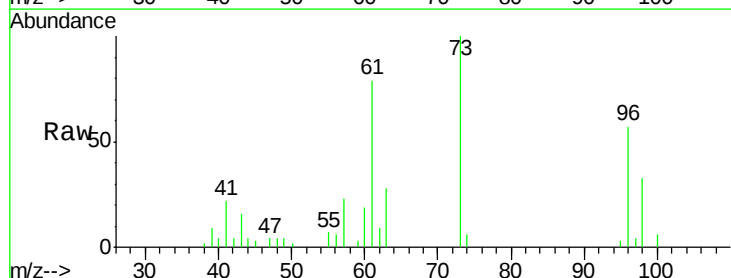
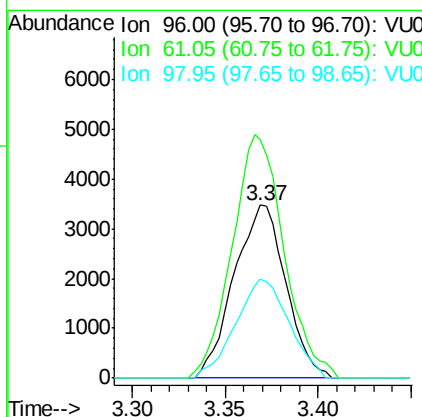
Manual Integrations
APPROVED

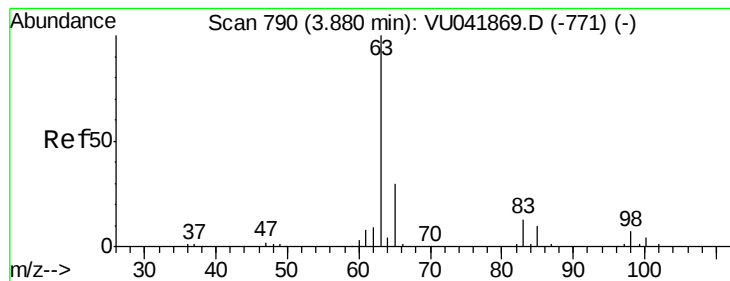
MMDadoda
1/11/2021 1:41:41 PM



#18
trans-1,2-Dichloroethene
Concen: 0.681 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.01 min
Lab File: VU041872.D
Acq: 07 Jan 2021 15:05

Tgt Ion: 96 Resp: 6740
Ion Ratio Lower Upper
96 100
61 137.7 101.8 189.0
98 57.0 44.4 82.5





#19

1,1-Dichloroethane

Concen: 0.222 ug/L

RT: 3.88 min Scan# 791

Delta R.T. 0.00 min

Lab File: VU041872.D

Acq: 07 Jan 2021 15:05

Instrument :

MSVOA_U

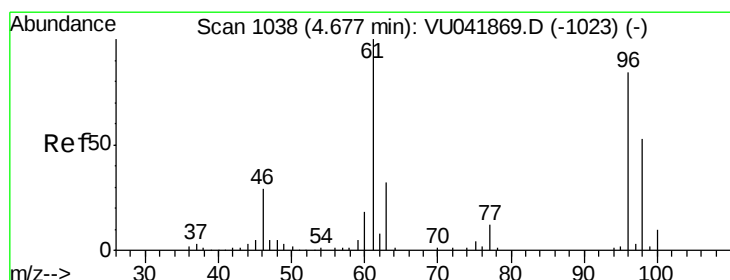
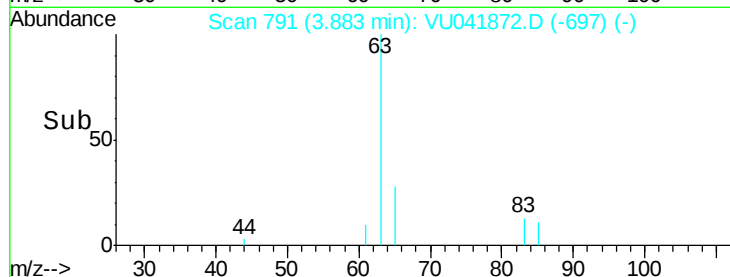
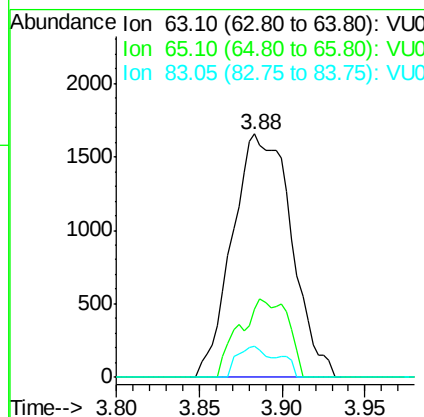
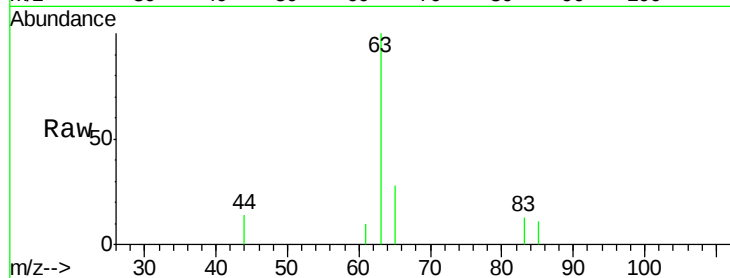
ClientSampleId :

BFXJ9

Tgt Ion:	63	Resp:	4101
Ion	Ratio	Lower	Upper
63	100		
65	28.1	21.3	39.6
83	12.9	9.3	17.3

Manual Integrations
APPROVED

MMDadoda
1/11/2021 1:41:41 PM



#22

cis-1,2-Dichloroethene

Concen: 2.292 ug/L

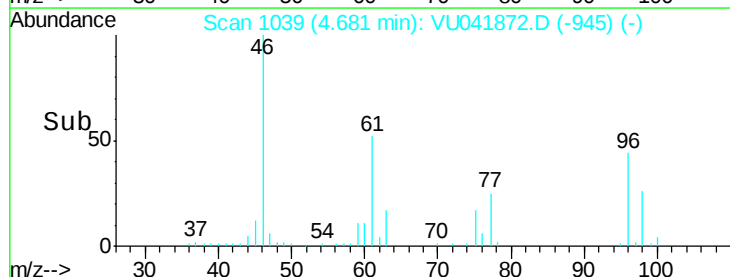
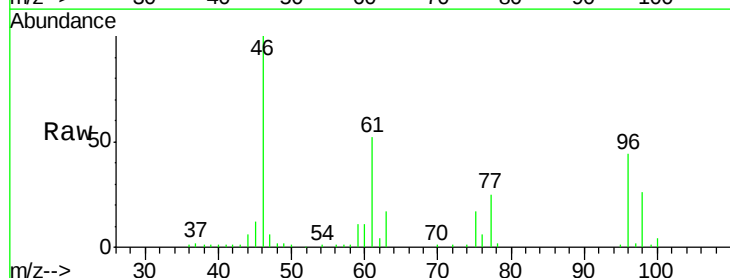
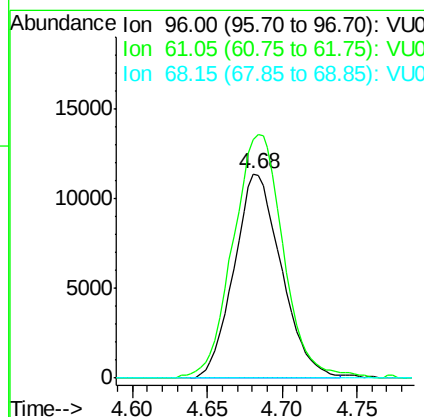
RT: 4.68 min Scan# 1039

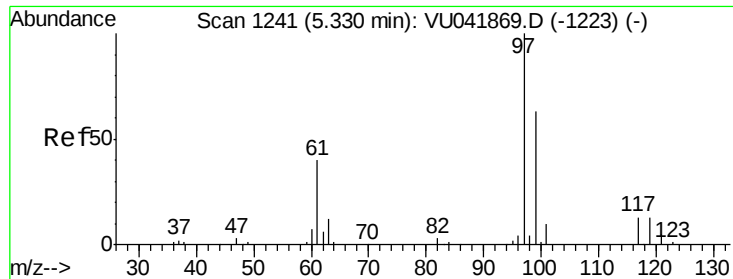
Delta R.T. 0.00 min

Lab File: VU041872.D

Acq: 07 Jan 2021 15:05

Tgt Ion:	96	Resp:	25080
Ion	Ratio	Lower	Upper
96	100		
61	116.9	88.8	165.0
68	0.0	0.0	0.0





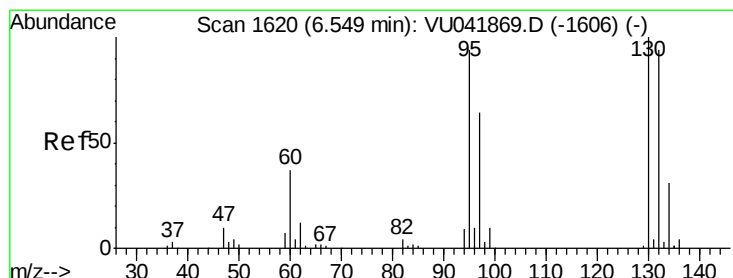
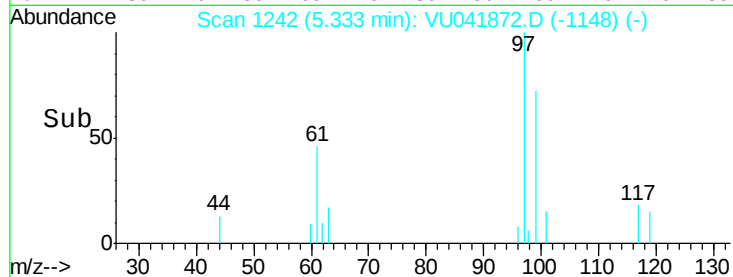
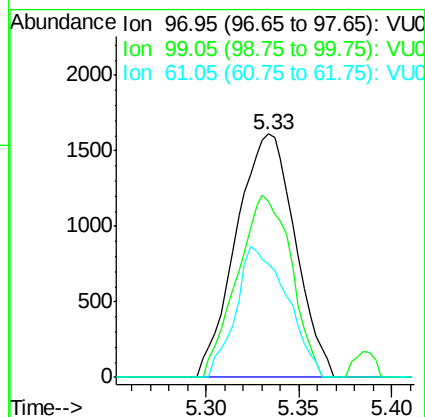
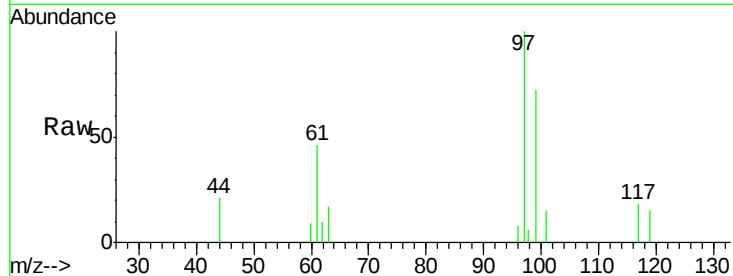
#29
1,1,1-Trichloroethane
Concen: 0.235 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VU041872.D
Acq: 07 Jan 2021 15:05

Instrument :
MSVOA_U
ClientSampleId :
BFXJ9

Tgt Ion:	97	Resp:	3556
Ion	Ratio	Lower	Upper
97	100		
99	68.3	51.3	76.9
61	46.4	36.5	54.7

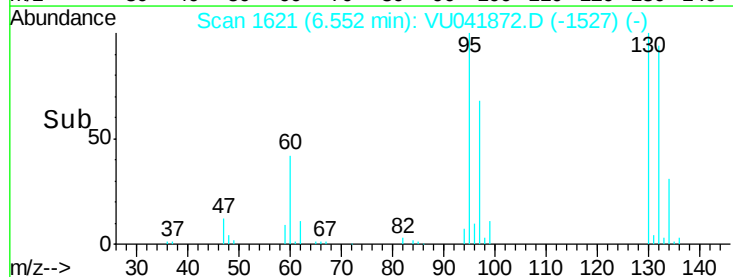
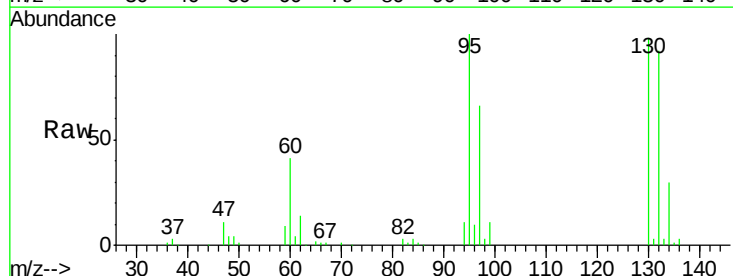
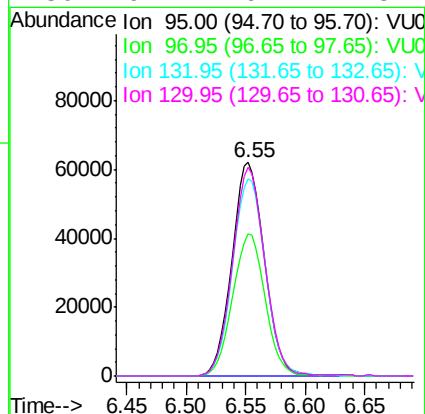
Manual Integrations
APPROVED

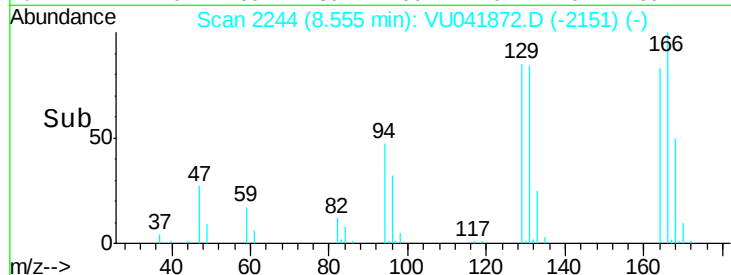
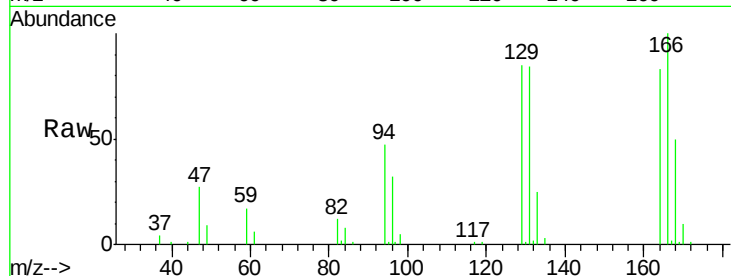
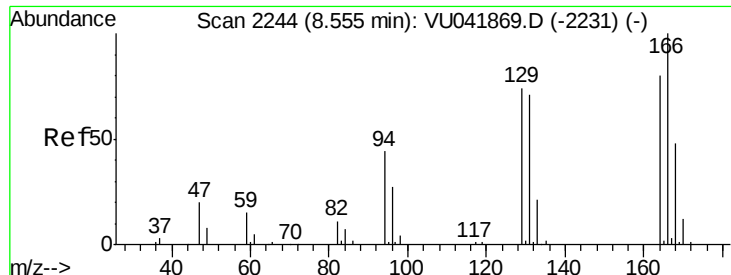
MMDadoda
1/11/2021 1:41:41 PM



#34
Trichloroethene
Concen: 11.101 ug/L
RT: 6.55 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VU041872.D
Acq: 07 Jan 2021 15:05

Tgt Ion:	95	Resp:	117779
Ion	Ratio	Lower	Upper
95	100		
97	66.5	43.9	81.5
132	92.2	63.1	117.3
130	97.7	67.4	125.2





#47

Tetrachloroethene

Concen: 2.921 ug/L

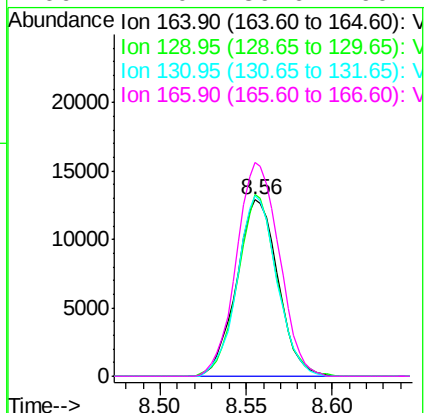
RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU041872.D

Acq: 07 Jan 2021 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	21693		
129	102.9	72.2	134.0	
131	102.1	66.9	124.3	
166	121.0	89.6	166.4	



Instrument :

MSVOA_U

ClientSampleId :

BFXJ9

Manual Integrations
APPROVED

MMDadoda
1/11/2021 1:41:41 PM