

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010921\
 Data File : VU041885.D
 Acq On : 07 Jan 2021 20:16
 Operator : SY/MD
 Sample : M1026-16
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXL7

Manual Integrations
 APPROVED

MMDadoda
 1/11/2021 1:41:51 PM

Quant Time: Jan 08 06:43:51 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	143489	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	131752	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	57154	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	41499	3.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.00%
7) Chloroethane-d5	1.92	69	45354	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.40%
11) 1,1-Dichloroethene-d2	2.58	63	69637	3.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.40%
20) 2-Butanone-d5	4.65	46	173365	53.80	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.60%
24) Chloroform-d	5.08	84	104409	5.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.60%
26) 1,2-Dichloroethane-d4	5.72	65	58564	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.40%
32) Benzene-d6	5.74	84	197388	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.60%
36) 1,2-Dichloropropane-d6	6.70	67	66432	5.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.40%
41) Toluene-d8	7.91	98	159018	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
43) trans-1,3-Dichloropropene-	8.18	79	23828	4.48	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.60%
46) 2-Hexanone-d5	8.64	63	143705	49.43	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.86%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	59667	5.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	60308	5.93	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	118.60%

Target Compounds

					Qvalue
3) Chloromethane	1.53	50	2238	0.189 ug/L	93
9) Trichlorofluoromethane	2.15	101	15439	0.935 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	2319m	0.235 ug/L	
12) 1,1-Dichloroethene	2.59	96	10652	1.094 ug/L #	1
13) Acetone	2.66	43	2537m	1.238 ug/L	
16) Methylene chloride	3.06	84	31800	2.735 ug/L	89
17) Methyl tert-butyl Ether	3.38	73	21966	0.846 ug/L	99
19) 1,1-Dichloroethane	3.89	63	44090	2.343 ug/L	97
25) Chloroform	5.11	83	21439	1.131 ug/L	97
27) 1,2-Dichloroethane	5.81	62	3488	0.272 ug/L #	91
29) 1,1,1-Trichloroethane	5.33	97	29353	1.940 ug/L	98
34) Trichloroethene	6.55	95	23195	2.191 ug/L	93
42) Toluene	7.97	91	3541	0.081 ug/L	95
45) 1,1,2-Trichloroethane	8.40	97	961	0.121 ug/L #	80
47) Tetrachloroethene	8.56	164	8563	1.155 ug/L	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010921\
Data File : VU041885.D
Acq On : 07 Jan 2021 20:16
Operator : SY/MD
Sample : M1026-16
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXL7

Manual Integrations
APPROVED

MMDadoda
1/11/2021 1:41:51 PM

Quant Time: Jan 08 06:43:51 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)
--------------------	------	------	----------	------	-------	----------

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

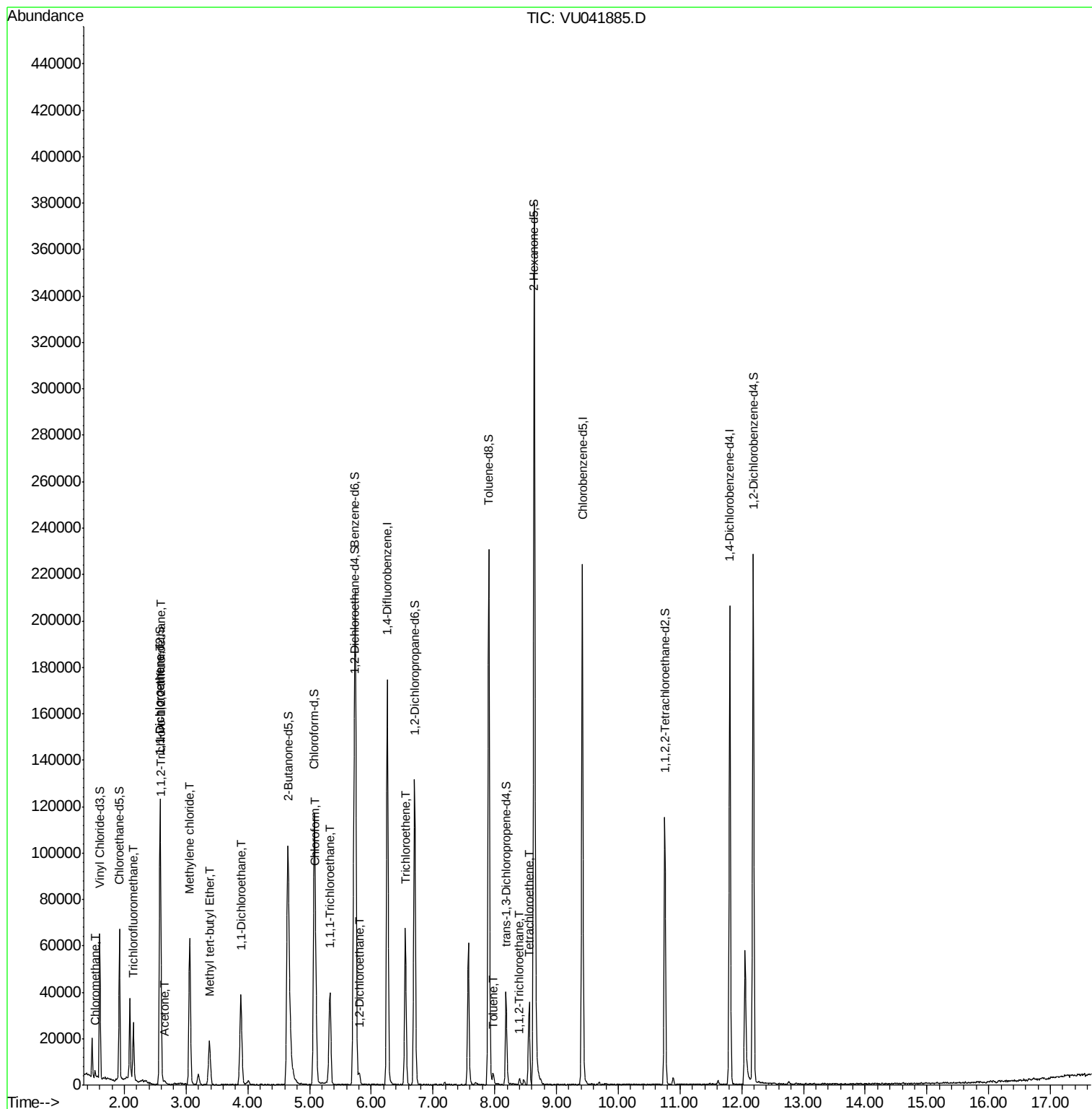
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010921\
Data File : VU041885.D
Acq On : 07 Jan 2021 20:16
Operator : SY/MD
Sample : M1026-16
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

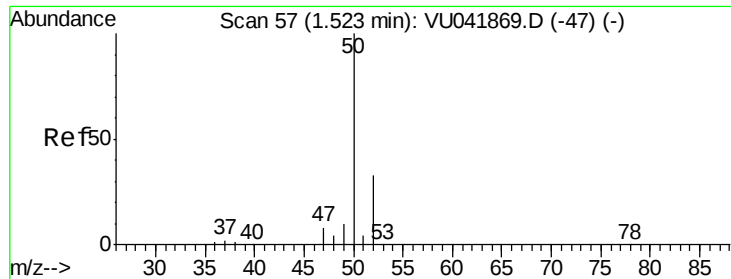
Instrument :
MSVOA_U
ClientSampleId :
BFXL7

Manual Integrations
APPROVED

MMDadoda
1/11/2021 1:41:51 PM

Quant Time: Jan 08 06:43:51 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





#3

Chloromethane

Concen: 0.189 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041885.D

Acq: 07 Jan 2021 20:16

Instrument :

MSVOA_U

ClientSampleId :

BFXL7

Tgt Ion: 50 Resp: 2238

Ion Ratio Lower Upper

50 100

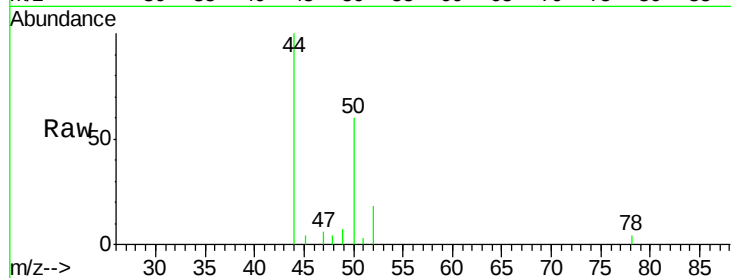
52 30.4 24.1 44.8

Manual Integrations

APPROVED

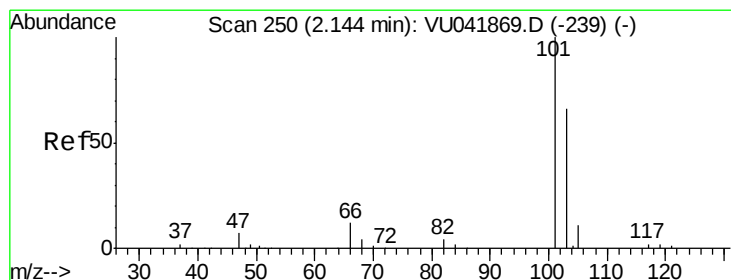
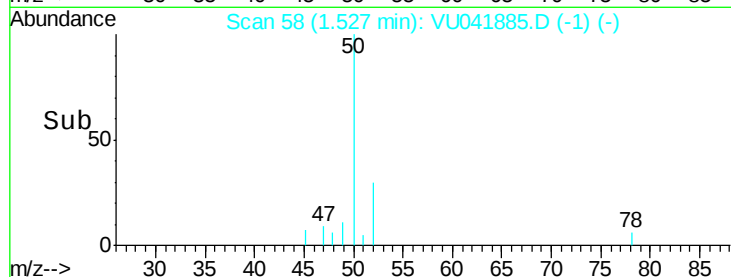
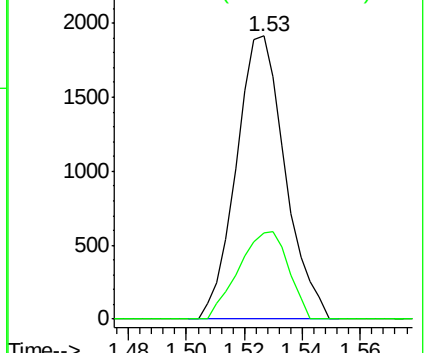
MMDadoda

1/11/2021 1:41:51 PM



Abundance Ion 50.05 (49.75 to 50.75): VU041869.D (-47) (-)

Ion 52.05 (51.75 to 52.75): VU041869.D (-47) (-)



#9

Trichlorofluoromethane

Concen: 0.935 ug/L

RT: 2.15 min Scan# 251

Delta R.T. 0.00 min

Lab File: VU041885.D

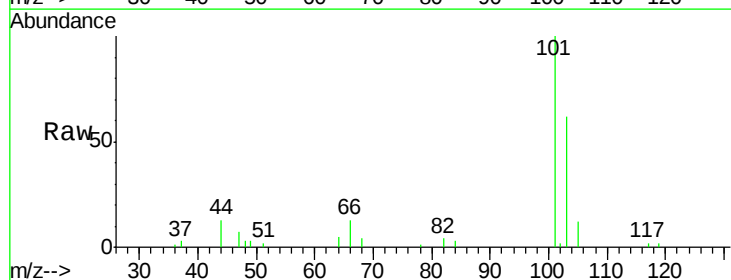
Acq: 07 Jan 2021 20:16

Tgt Ion: 101 Resp: 15439

Ion Ratio Lower Upper

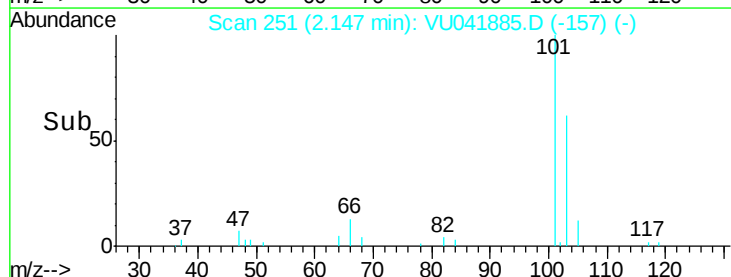
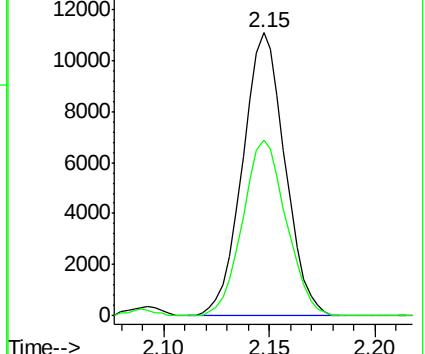
101 100

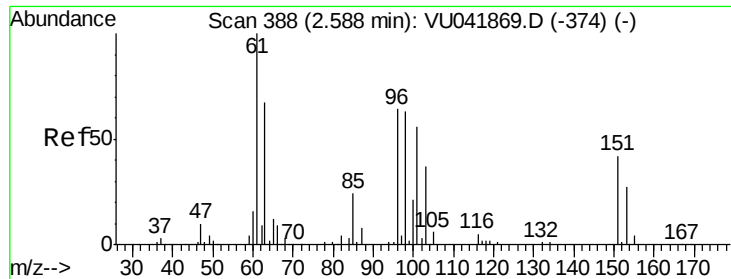
103 63.9 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU041869.D (-239) (-)

Ion 103.00 (102.70 to 103.70): VU041869.D (-239) (-)





#10

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

Concen: 0.235 ug/L m

RT: 2.60 min Scan# 391

Delta R.T. 0.01 min

Lab File: VU041885.D

Acq: 07 Jan 2021 20:16

Instrument :

MSVOA_U

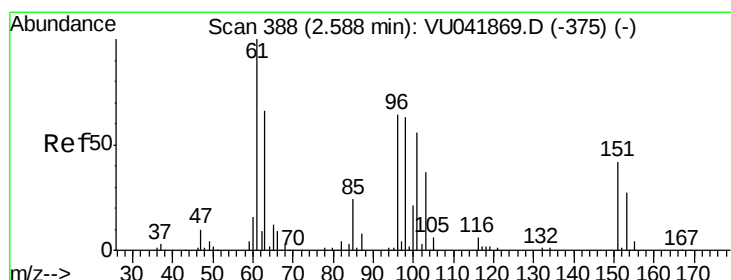
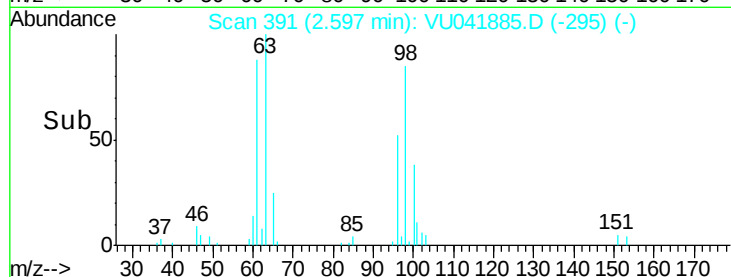
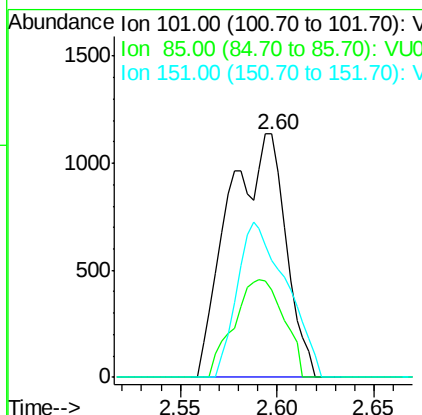
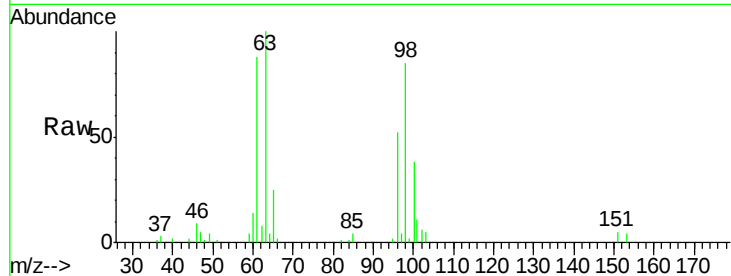
ClientSampleId :

BFXL7

Tgt Ion:	101	Resp:	2319
Ion Ratio	Lower	Upper	
101	100		
85	35.0	33.6	50.4
151	55.5	56.2	84.4#

Manual Integrations
APPROVED

MMDadoda
1/11/2021 1:41:51 PM



#12

1,1-Dichloroethene

Concen: 1.094 ug/L

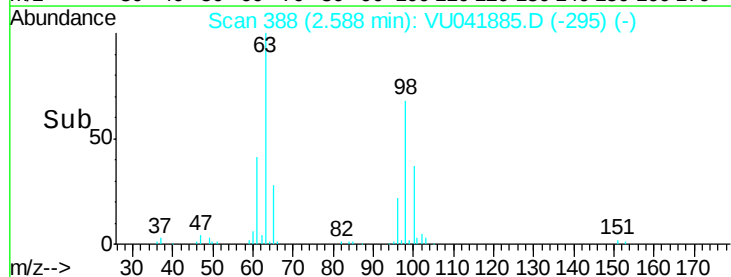
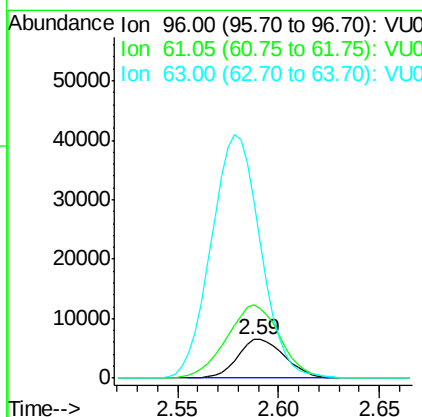
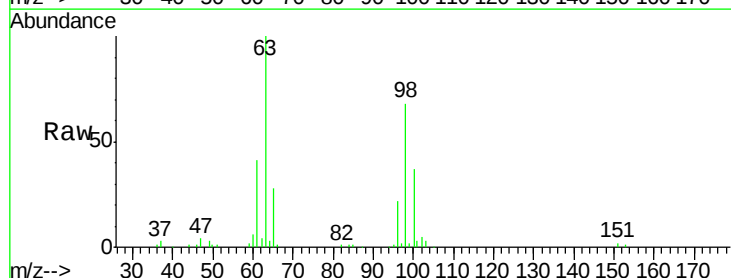
RT: 2.59 min Scan# 388

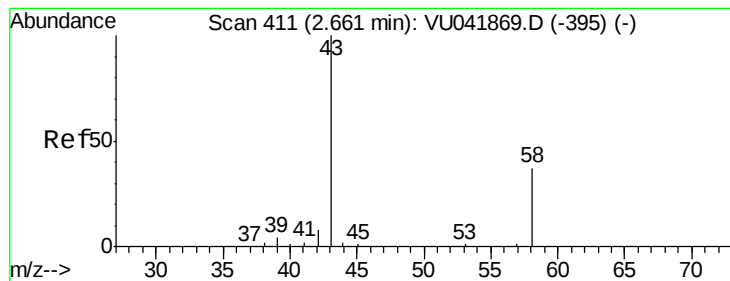
Delta R.T. 0.00 min

Lab File: VU041885.D

Acq: 07 Jan 2021 20:16

Tgt Ion:	96	Resp:	10652
Ion Ratio	Lower	Upper	
96	100		
61	189.0	123.8	230.0
63	462.6	81.0	150.4#





#13

Acetone

Concen: 1.238 ug/L m

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU041885.D

Acq: 07 Jan 2021 20:16

Instrument :

MSVOA_U

ClientSampled :

BFXL7

Tgt Ion: 43 Resp: 2537

Ion Ratio Lower Upper

43 100

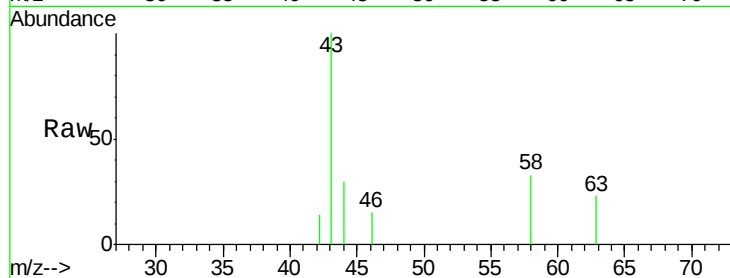
58 29.9 0.0 73.2

Manual Integrations

APPROVED

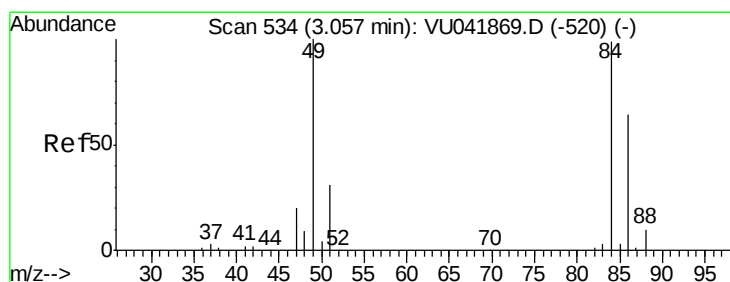
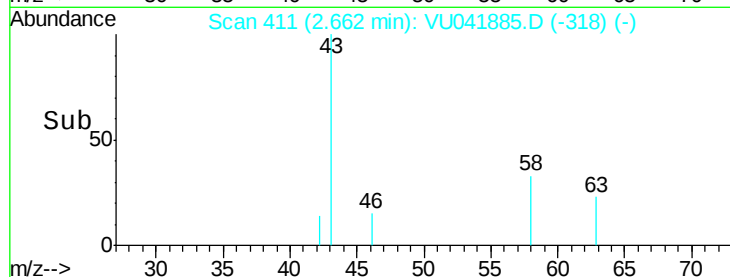
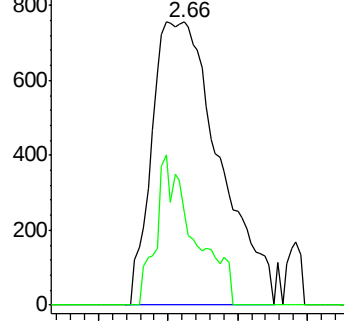
MMDadoda

1/11/2021 1:41:51 PM



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#16

Methylene chloride

Concen: 2.735 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041885.D

Acq: 07 Jan 2021 20:16

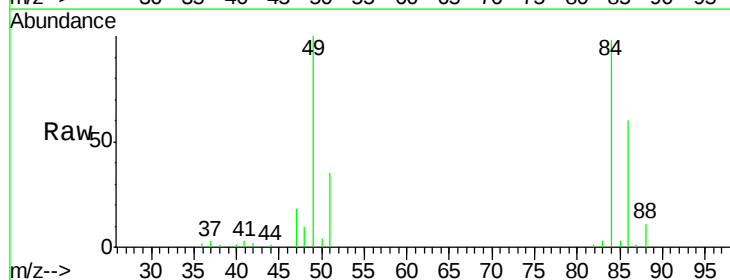
Tgt Ion: 84 Resp: 31800

Ion Ratio Lower Upper

84 100

86 61.2 45.1 83.7

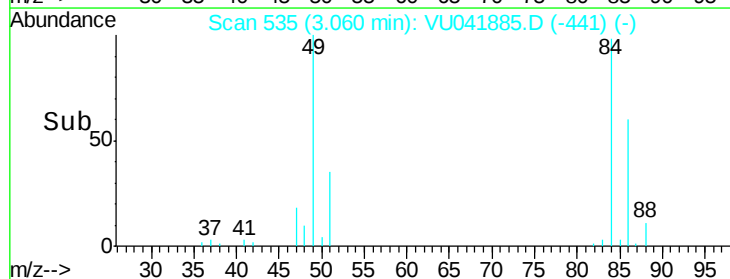
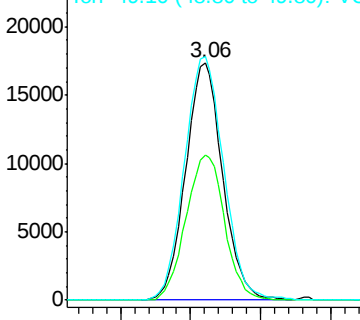
49 102.5 83.1 154.3

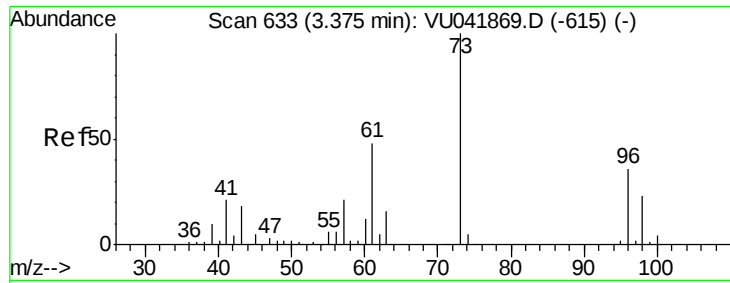


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





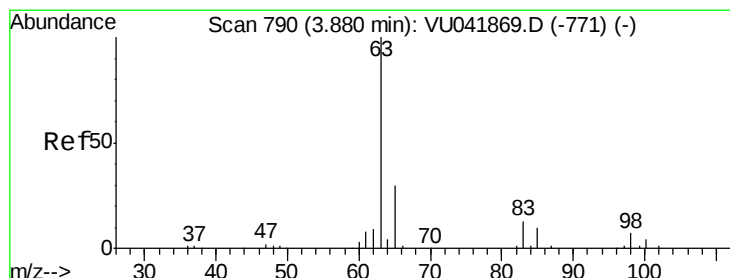
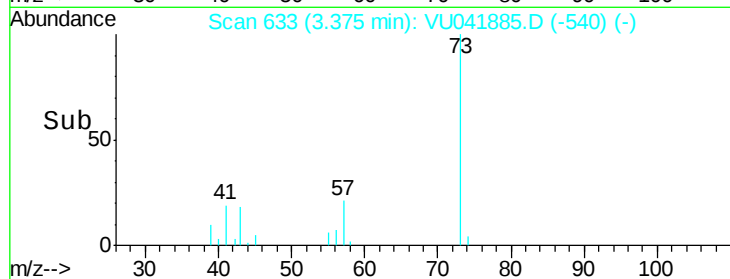
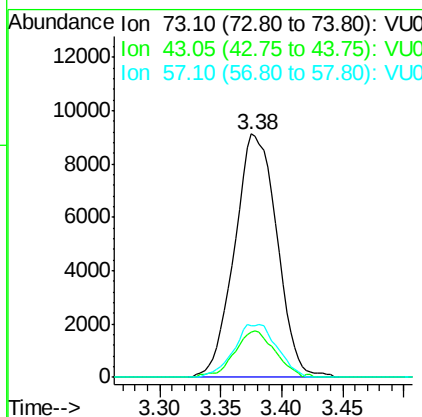
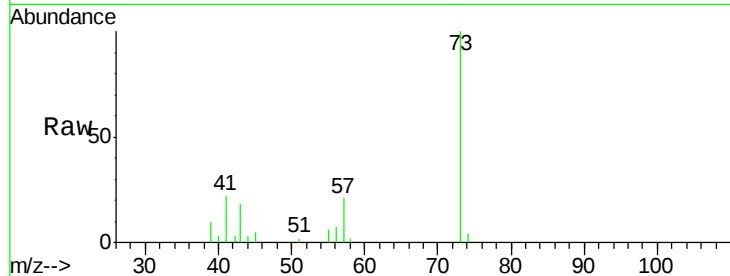
#17
Methyl tert-butyl Ether
Concen: 0.846 ug/L
RT: 3.38 min Scan# 633
Delta R.T. 0.00 min
Lab File: VU041885.D
Acq: 07 Jan 2021 20:16

Instrument :
MSVOA_U
ClientSampleId :
BFXL7

Tgt Ion:	73	Resp:	21966
Ion	Ratio	Lower	Upper
73	100		
43	18.1	14.7	22.1
57	22.1	18.2	27.4

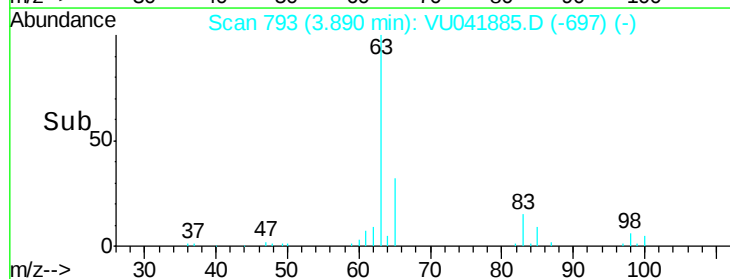
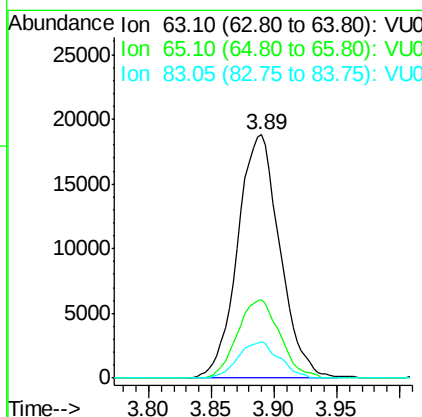
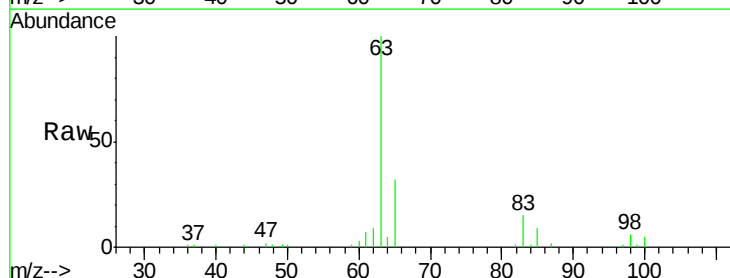
Manual Integrations
APPROVED

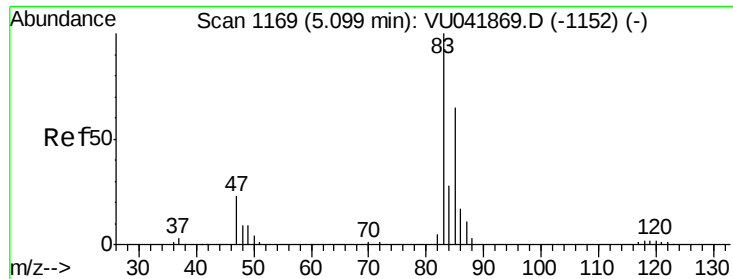
MMDadoda
1/11/2021 1:41:51 PM



#19
1,1-Dichloroethane
Concen: 2.343 ug/L
RT: 3.89 min Scan# 793
Delta R.T. 0.01 min
Lab File: VU041885.D
Acq: 07 Jan 2021 20:16

Tgt Ion:	63	Resp:	44090
Ion	Ratio	Lower	Upper
63	100		
65	32.1	21.3	39.6
83	14.9	9.3	17.3





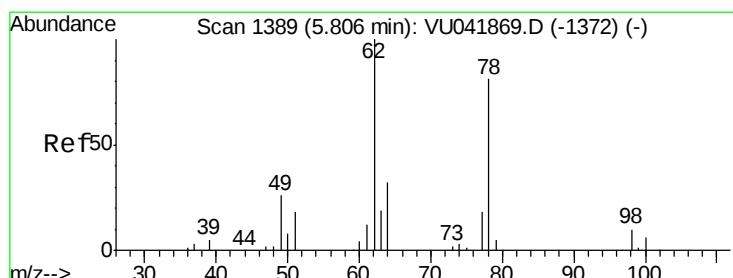
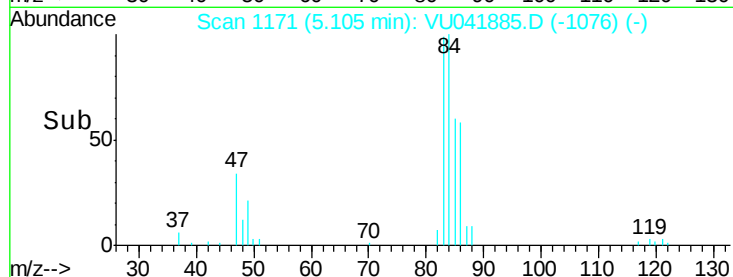
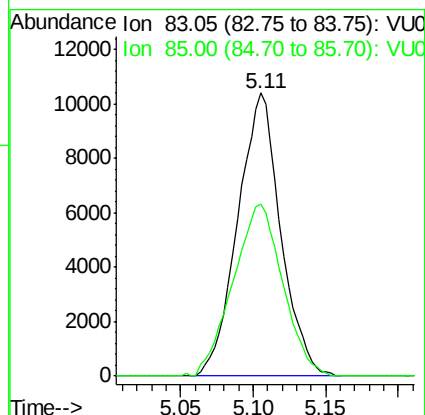
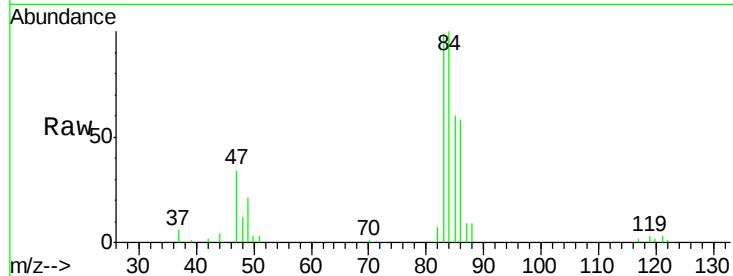
#25
Chloroform
Concen: 1.131 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.01 min
Lab File: VU041885.D
Acq: 07 Jan 2021 20:16

Instrument :
MSVOA_U
ClientSampleId :
BFXL7

Tgt Ion: 83 Resp: 21439
Ion Ratio Lower Upper
83 100
85 60.7 44.2 82.0

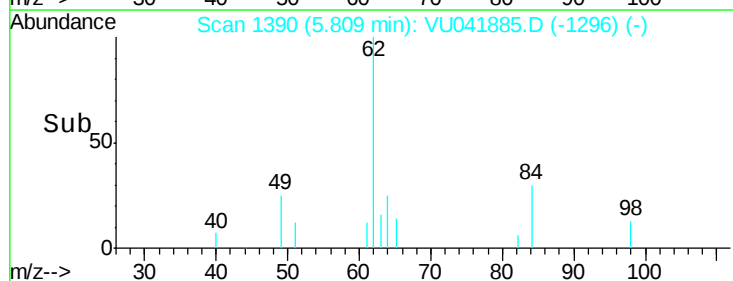
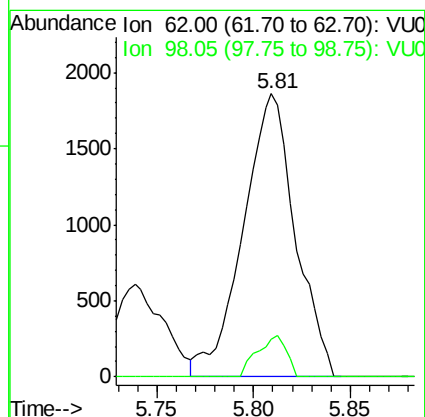
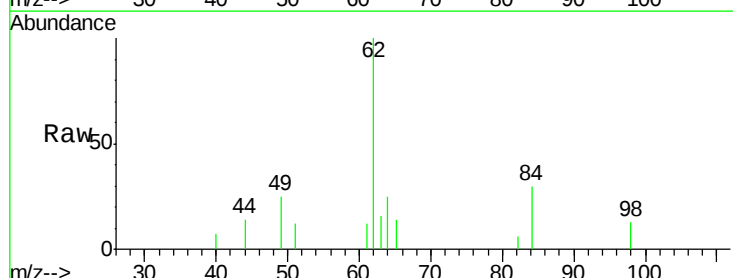
Manual Integrations
APPROVED

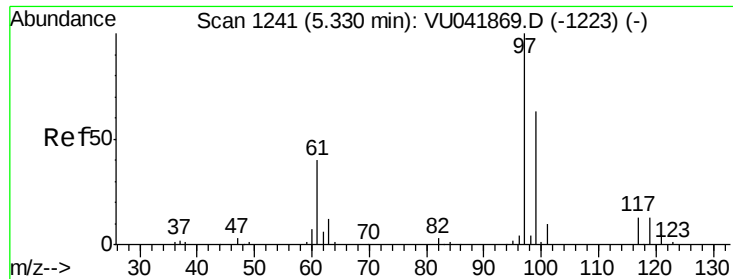
MMDadoda
1/11/2021 1:41:51 PM



#27
1,2-Dichloroethane
Concen: 0.272 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041885.D
Acq: 07 Jan 2021 20:16

Tgt Ion: 62 Resp: 3488
Ion Ratio Lower Upper
62 100
98 13.5 8.2 12.2#





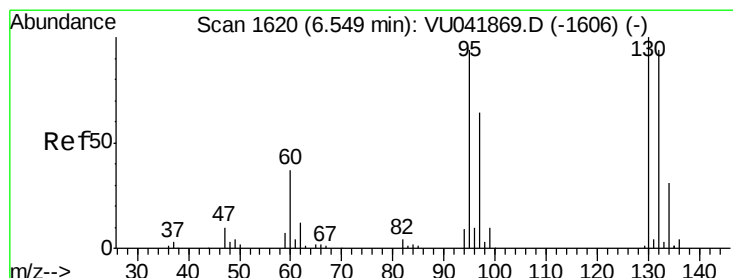
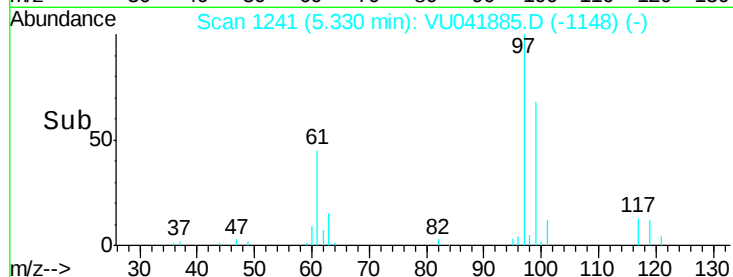
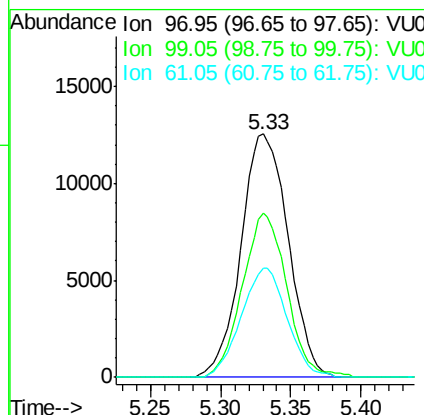
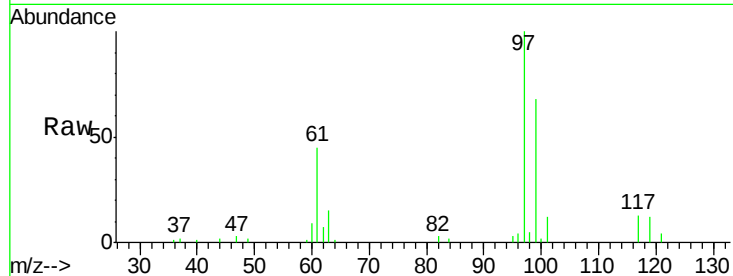
#29
1,1,1-Trichloroethane
Concen: 1.940 ug/L
RT: 5.33 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VU041885.D
Acq: 07 Jan 2021 20:16

Instrument :
MSVOA_U
ClientSampleId :
BFXL7

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.3	76.9
61	43.6	36.5	54.7

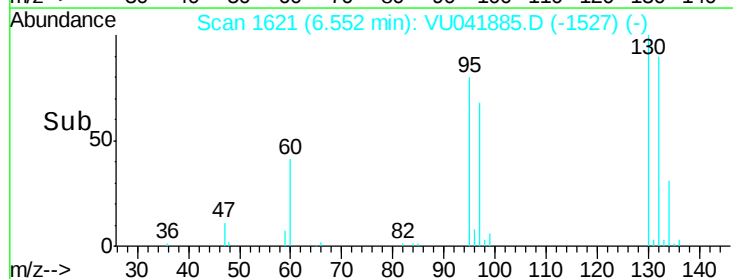
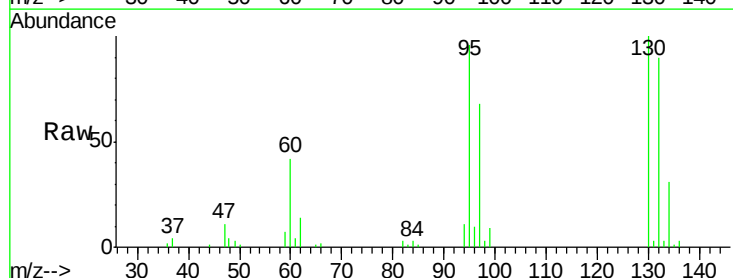
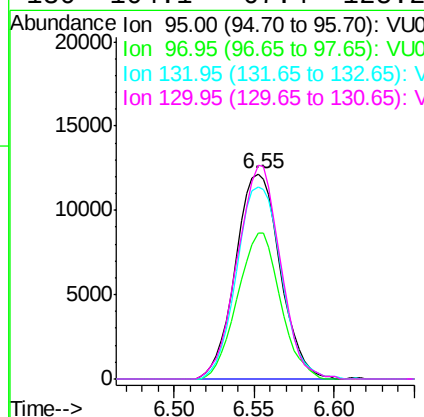
Manual Integrations
APPROVED

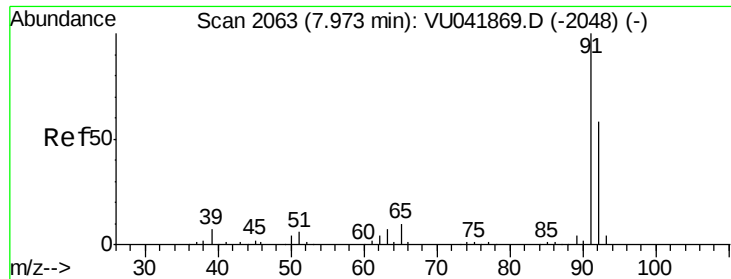
MMDadoda
1/11/2021 1:41:51 PM



#34
Trichloroethene
Concen: 2.191 ug/L
RT: 6.55 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VU041885.D
Acq: 07 Jan 2021 20:16

Tgt Ion	Ratio	Lower	Upper
95	100		
97	71.2	43.9	81.5
132	93.7	63.1	117.3
130	104.1	67.4	125.2





#42

Toluene

Concen: 0.081 ug/L

RT: 7.97 min Scan# 2062

Delta R.T. -0.00 min

Lab File: VU041885.D

Acq: 07 Jan 2021 20:16

Instrument :

MSVOA_U

ClientSampleId :

BFXL7

Tgt Ion: 91 Resp: 3541

Ion Ratio Lower Upper

91 100

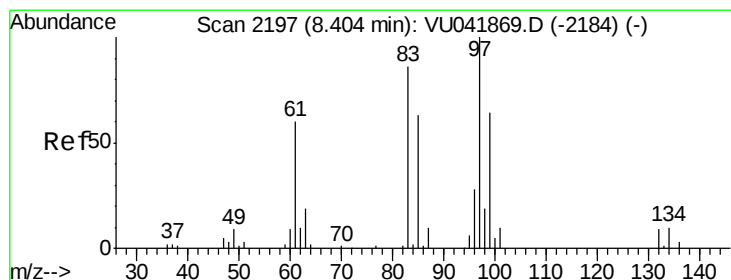
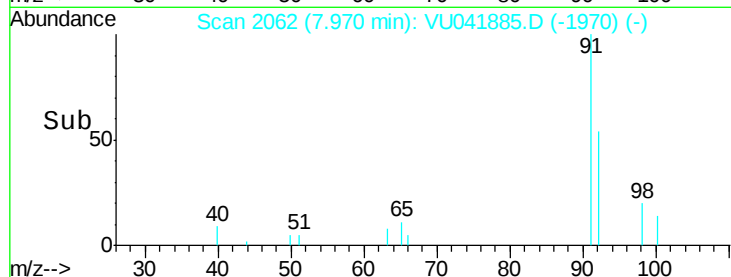
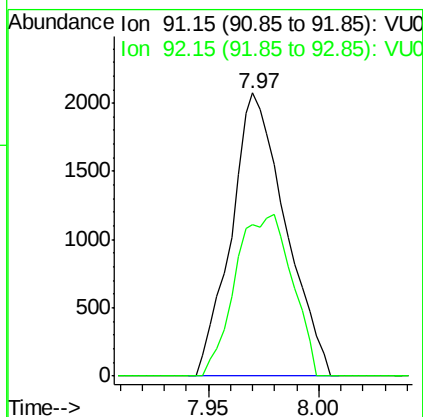
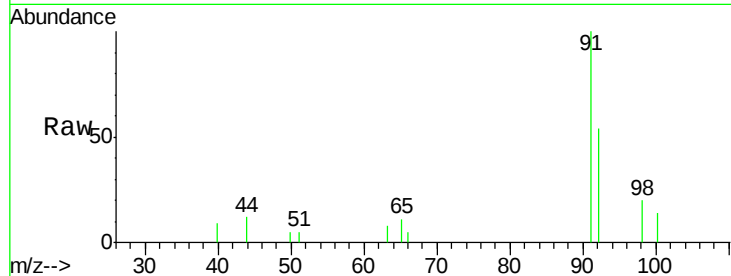
92 53.5 40.0 74.2

Manual Integrations

APPROVED

MMDadoda

1/11/2021 1:41:51 PM



#45

1,1,2-Trichloroethane

Concen: 0.121 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VU041885.D

Acq: 07 Jan 2021 20:16

Tgt Ion: 97 Resp: 961

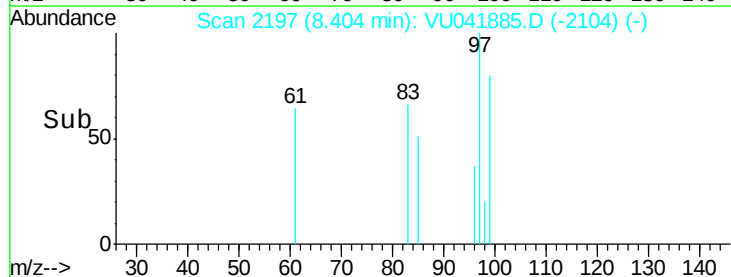
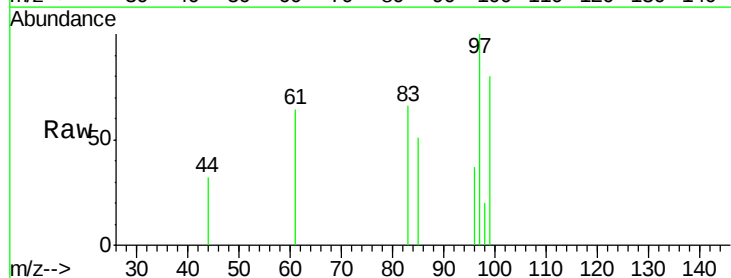
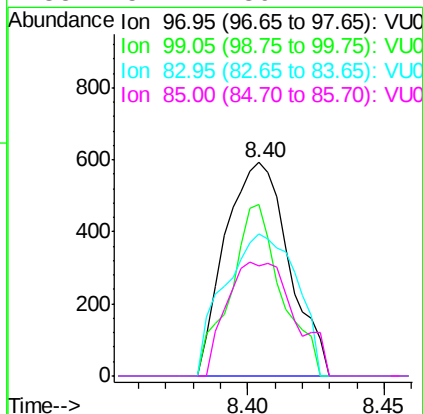
Ion Ratio Lower Upper

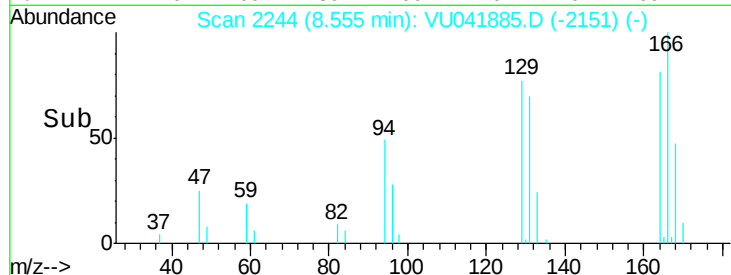
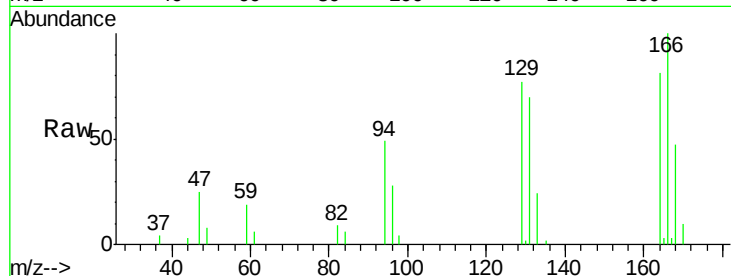
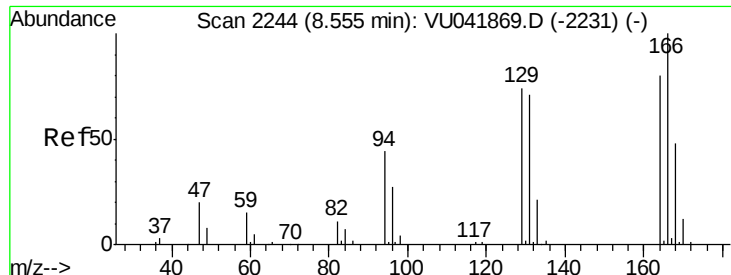
97 100

99 80.4 42.1 78.3#

83 66.4 62.6 116.2

85 51.4 39.1 72.7





#47

Tetrachloroethene

Concen: 1.155 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU041885.D

Acq: 07 Jan 2021 20:16

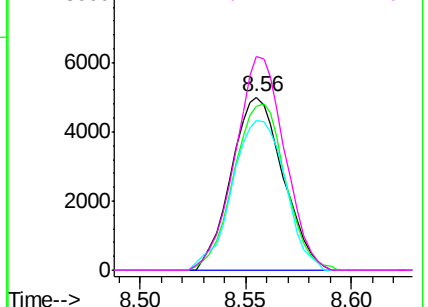
Tgt Ion	Ratio	Lower	Upper
164	100		
129	94.6	72.2	134.0
131	86.5	66.9	124.3
166	123.4	89.6	166.4

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



Instrument :
MSVOA_U
ClientSampleId :
BFXL7

Manual Integrations
APPROVED

MMDadoda
1/11/2021 1:41:51 PM