

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071720\
 Data File : VU039547.D
 Acq On : 17 Jul 2020 13:21
 Operator : SY/MD
 Sample : L3292-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFT84

Manual Integrations
 APPROVED

MMDadoda
 7/20/2020 11:46:45 AM

Quant Time: Jul 18 00:25:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 17 23:38:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	87656	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	81246	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	38425	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	21168	4.17	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.40%
7) Chloroethane-d5	1.93	69	22965	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.40%
11) 1,1-Dichloroethene-d2	2.58	63	39290	3.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.60%
20) 2-Butanone-d5	4.66	46	105675	45.46	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.92%
24) Chloroform-d	5.09	84	54518	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
26) 1,2-Dichloroethane-d4	5.72	65	34057	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
32) Benzene-d6	5.75	84	101200	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
36) 1,2-Dichloropropane-d6	6.71	67	34732	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.00%
41) Toluene-d8	7.91	98	89605	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.60%
43) trans-1,3-Dichloropropene-	8.19	79	14158	4.67	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.40%
46) 2-Hexanone-d5	8.64	63	76216	42.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.68%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	30870	4.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	34994	5.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	1683	0.317 ug/L	92
9) Trichlorofluoromethane	2.15	101	4254	0.343 ug/L	100
12) 1,1-Dichloroethene	2.59	96	8906	1.708 ug/L #	42
19) 1,1-Dichloroethane	3.89	63	26330	2.332 ug/L	96
22) cis-1,2-Dichloroethene	4.69	96	5792	0.895 ug/L	87
25) Chloroform	5.11	83	8561	0.751 ug/L	97
29) 1,1,1-Trichloroethane	5.34	97	3079	0.322 ug/L #	89
34) Trichloroethene	6.56	95	41972	6.684 ug/L	99
47) Tetrachloroethene	8.56	164	70943	16.241 ug/L	96
52) Ethylbenzene	9.57	91	4138m	0.144 ug/L	
53) m,p-Xylene	9.70	106	4701	0.434 ug/L	92
54) o-Xylene	10.11	106	2747	0.261 ug/L	81

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

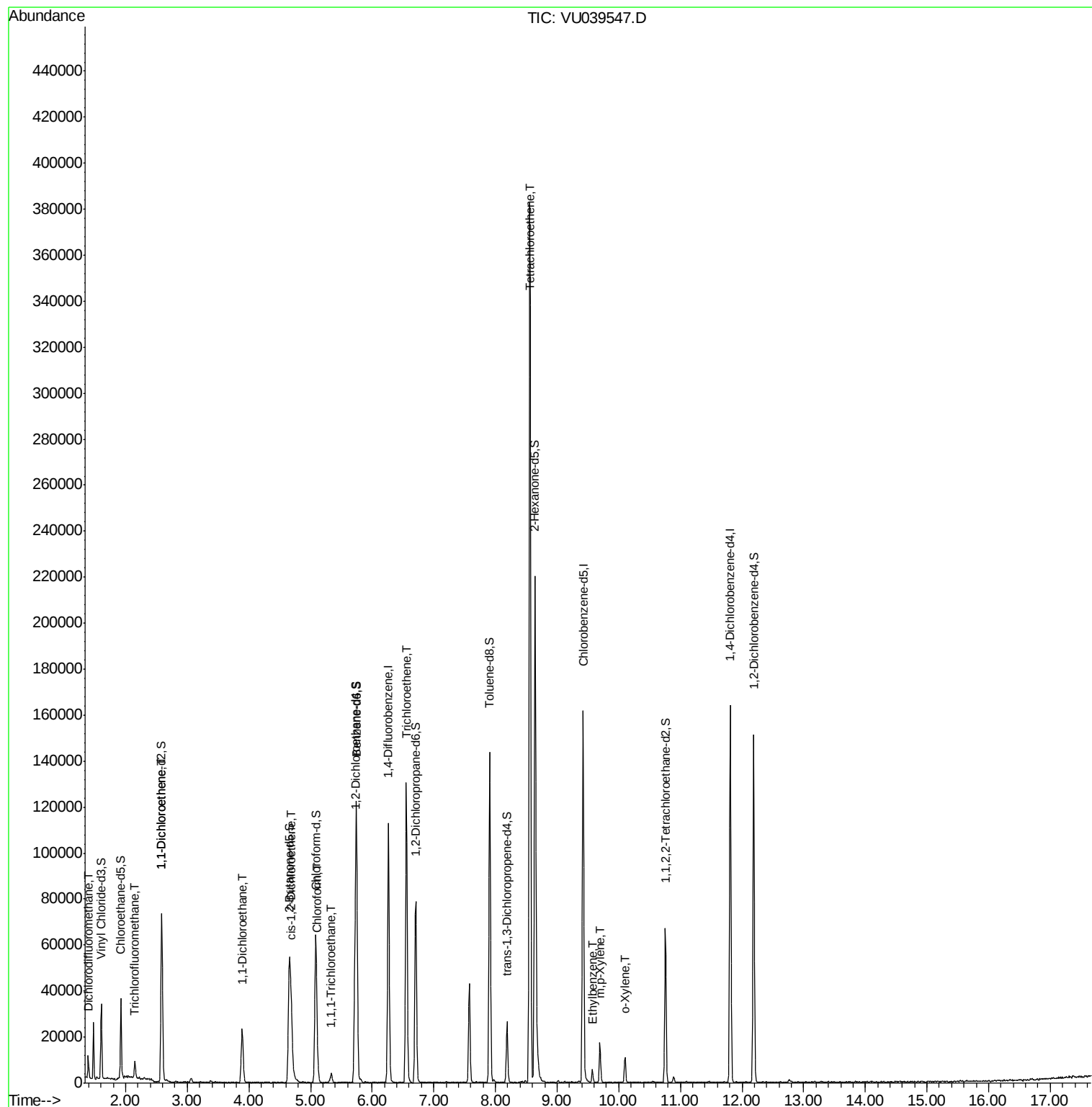
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU071720\
Data File : VU039547.D
Acq On : 17 Jul 2020 13:21
Operator : SY/MD
Sample : L3292-08
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 11 Sample Multiplier: 1

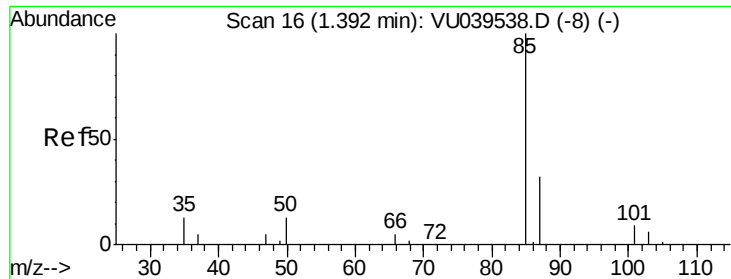
Instrument :
MSVOA_U
ClientSampleId :
BFT84

Manual Integrations
APPROVED

MMDadoda
7/20/2020 11:46:45 AM

Quant Time: Jul 18 00:25:33 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jul 17 23:38:36 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.317 ug/L

RT: 1.39 min Scan# 16

Delta R.T. -0.00 min

Lab File: VU039547.D

Acq: 17 Jul 2020 13:21

Instrument :

MSVOA_U

ClientSampleId :

BFT84

Tot Ion: 85 Resp: 1683

Ion Ratio Lower Upper

85 100

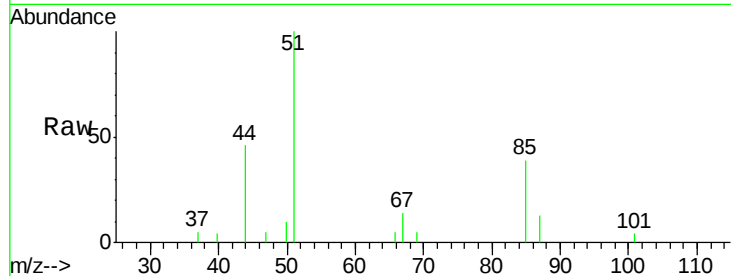
87 27.0 25.2 37.8

Manual Integrations

APPROVED

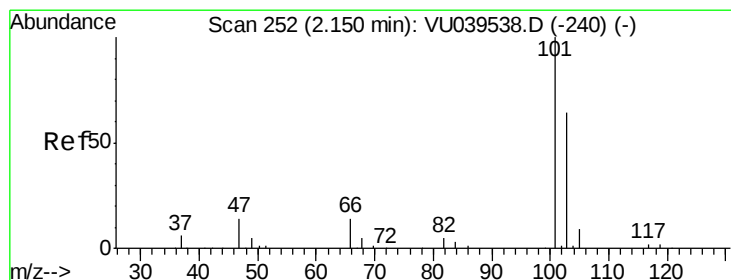
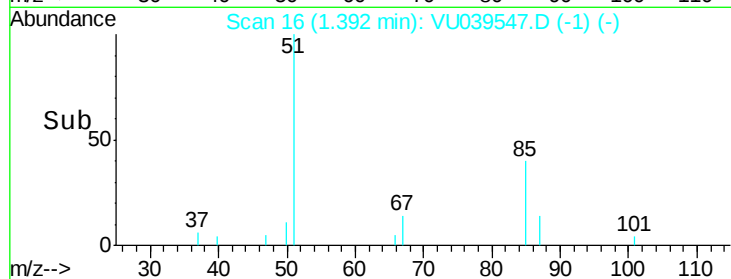
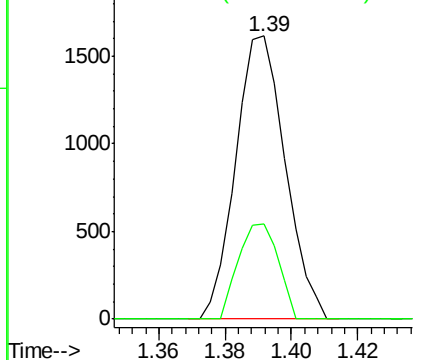
MMDadoda

7/20/2020 11:46:45 AM



Abundance Ion 85.00 (84.70 to 85.70): VU039547.D (-159) (-)

Ion 87.00 (86.70 to 87.70): VU039547.D (-159) (-)



#9

Trichlorofluoromethane

Concen: 0.343 ug/L

RT: 2.15 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU039547.D

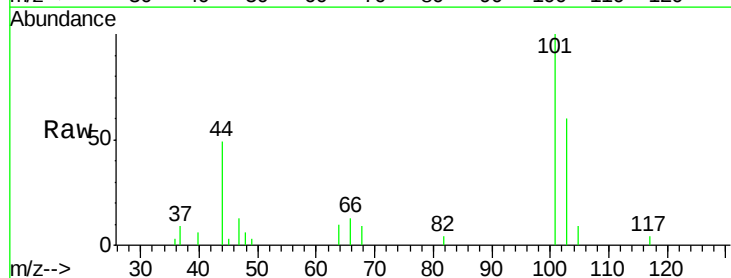
Acq: 17 Jul 2020 13:21

Tgt Ion: 101 Resp: 4254

Ion Ratio Lower Upper

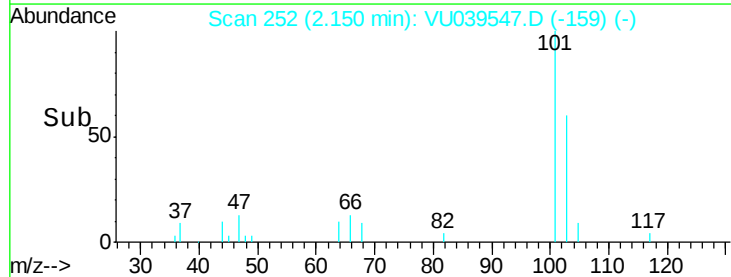
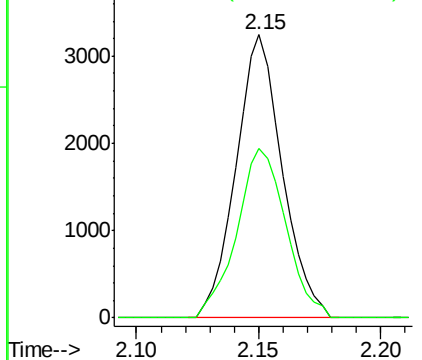
101 100

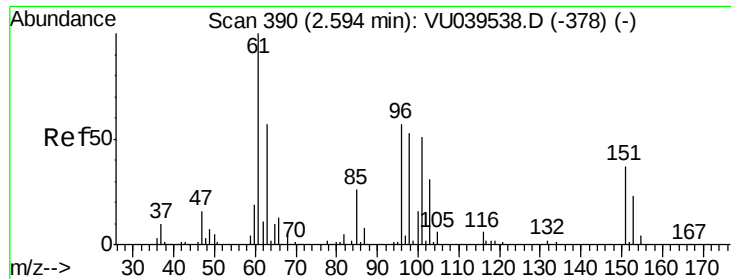
103 63.4 50.6 76.0



Abundance Ion 101.00 (100.70 to 101.70): VU039547.D (-159) (-)

Ion 103.00 (102.70 to 103.70): VU039547.D (-159) (-)





#12

1,1-Dichloroethene

Concen: 1.708 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039547.D

Acq: 17 Jul 2020 13:21

Instrument :

MSVOA_U

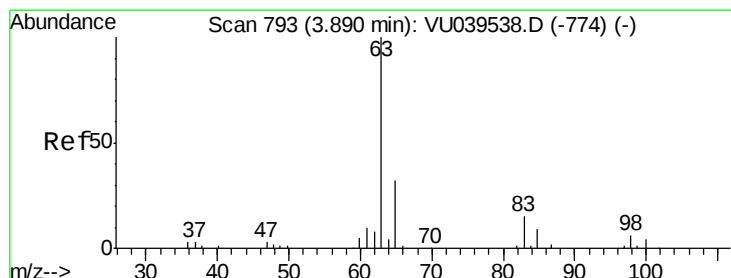
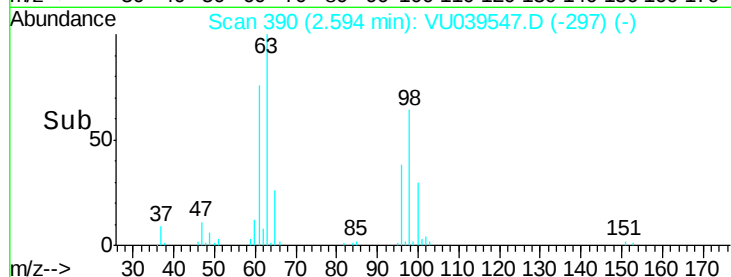
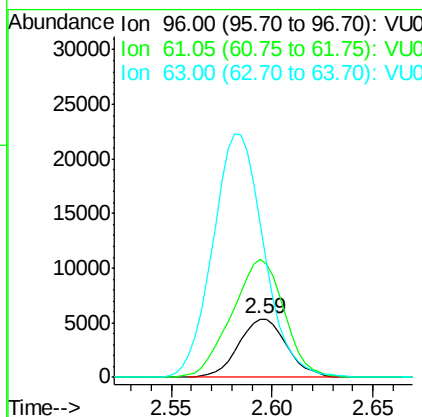
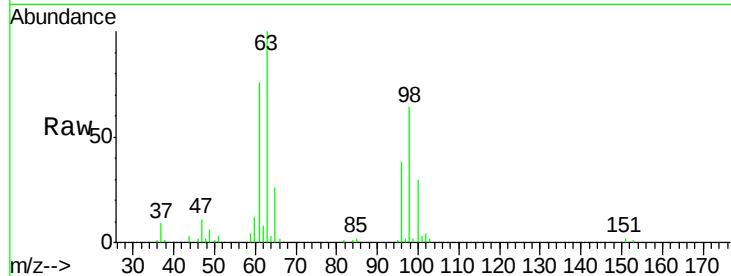
ClientSampled :

BFT84

Tot Ion:	96	Resp:	8906
Ion	Ratio	Lower	Upper
96	100		
61	203.2	125.4	232.8
63	266.3	92.7	172.3#

Manual Integrations
APPROVED

MMDadoda
7/20/2020 11:46:45 AM



#19

1,1-Dichloroethane

Concen: 2.332 ug/L

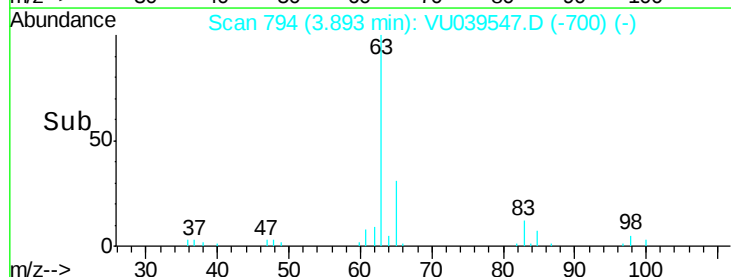
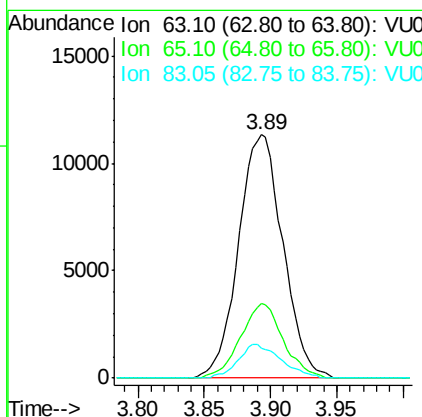
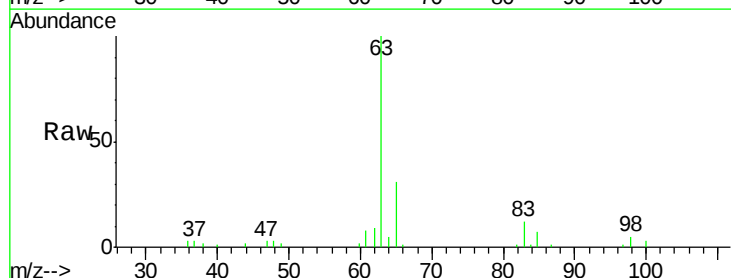
RT: 3.89 min Scan# 794

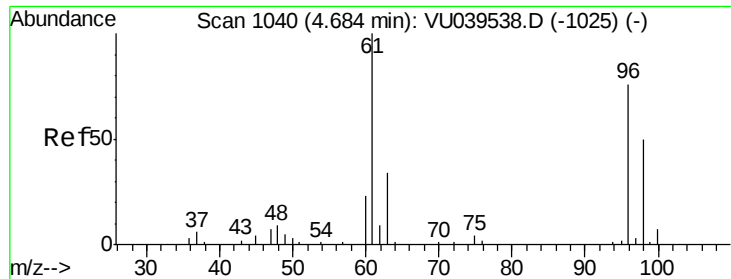
Delta R.T. 0.00 min

Lab File: VU039547.D

Acq: 17 Jul 2020 13:21

Tgt Ion:	63	Resp:	26330
Ion	Ratio	Lower	Upper
63	100		
65	30.6	23.0	42.6
83	12.3	9.6	17.8





#22

cis-1,2-Dichloroethene

Concen: 0.895 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.01 min

Lab File: VU039547.D

Acq: 17 Jul 2020 13:21

Instrument :

MSVOA_U

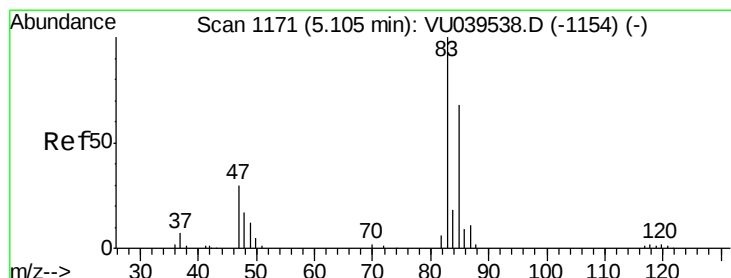
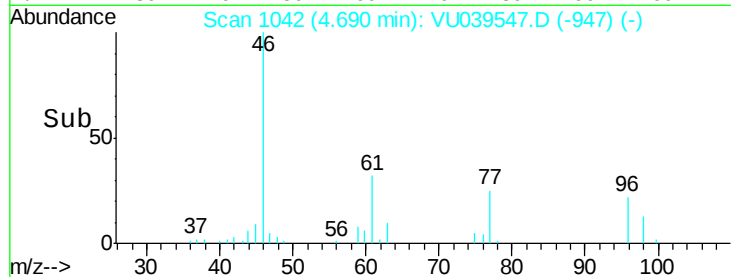
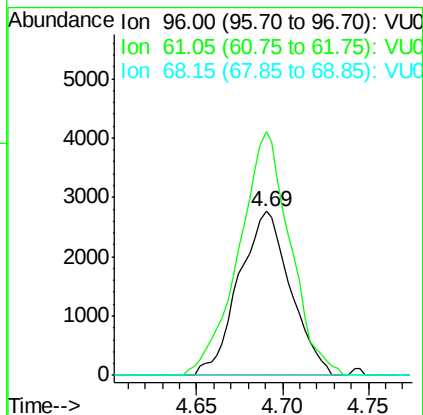
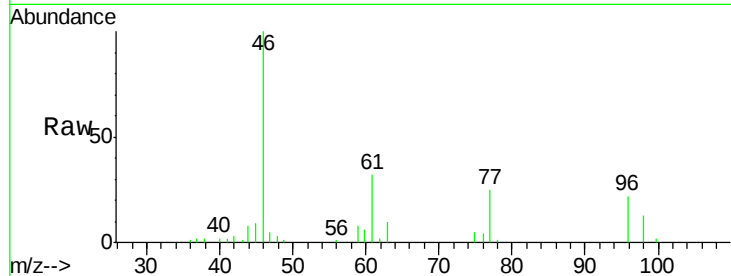
ClientSampled :

BFT84

Tot Ion:	96	Resp:	5792
Ion	Ratio	Lower	Upper
96	100		
61	148.3	92.8	172.4
68	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
7/20/2020 11:46:45 AM



#25

Chloroform

Concen: 0.751 ug/L

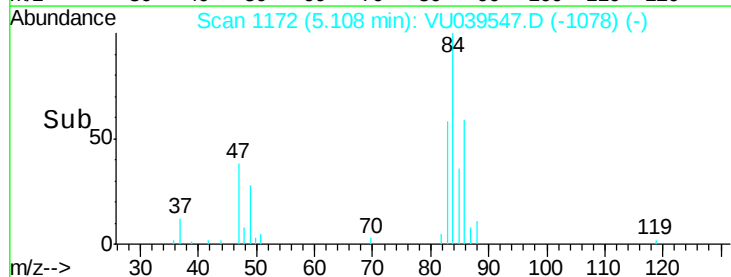
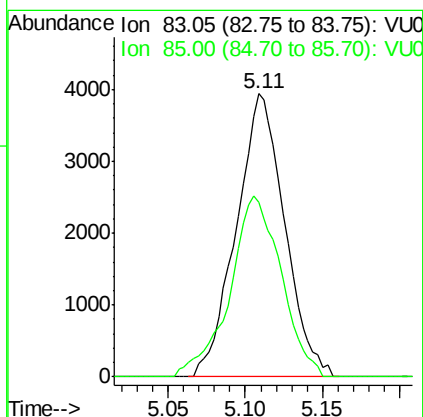
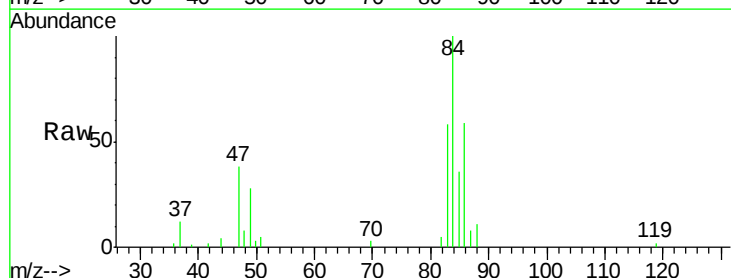
RT: 5.11 min Scan# 1172

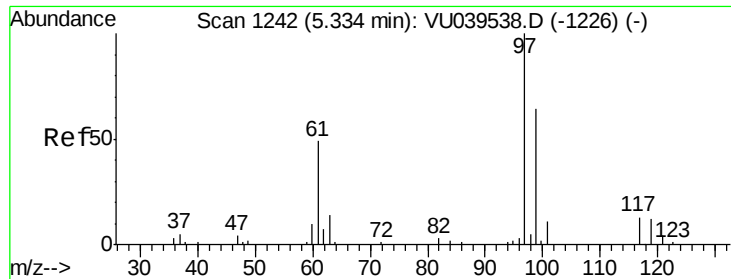
Delta R.T. 0.00 min

Lab File: VU039547.D

Acq: 17 Jul 2020 13:21

Tgt Ion:	83	Resp:	8561
Ion	Ratio	Lower	Upper
83	100		
85	61.6	44.9	83.5





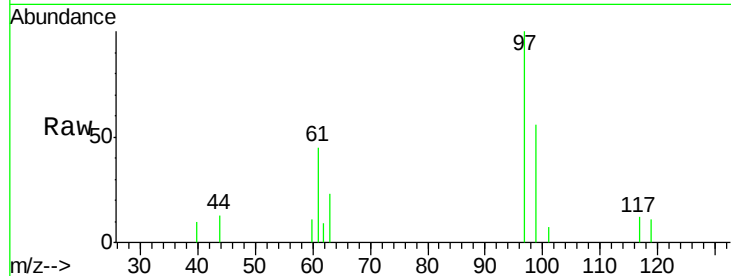
#29
1,1,1-Trichloroethane
Concen: 0.322 ug/L
RT: 5.34 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VU039547.D
Acq: 17 Jul 2020 13:21

Instrument :
MSVOA_U
ClientSampleId :
BFT84

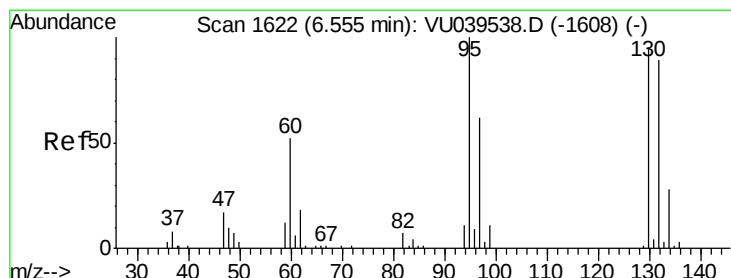
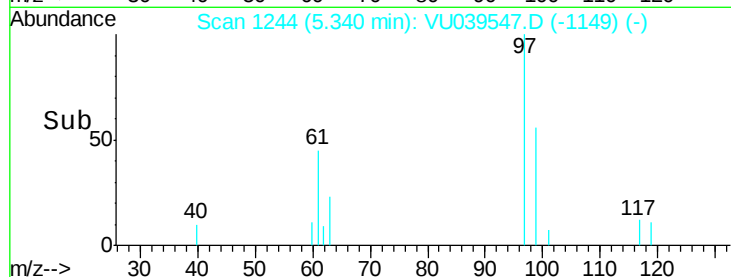
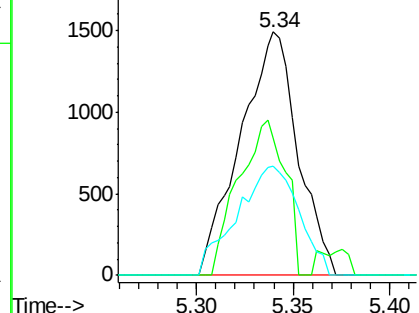
Tot Ion	Ratio	Lower	Upper
97	100		
99	51.8	52.6	79.0#
61	48.5	37.9	56.9

Manual Integrations
APPROVED

MMDadoda
7/20/2020 11:46:45 AM



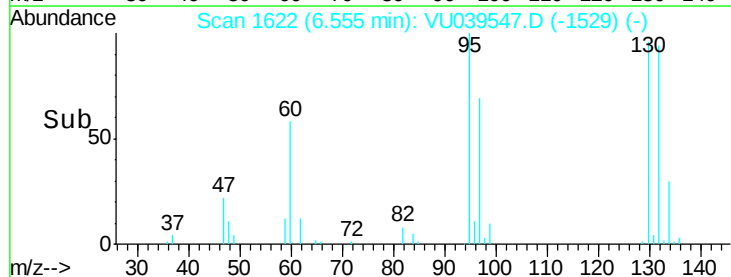
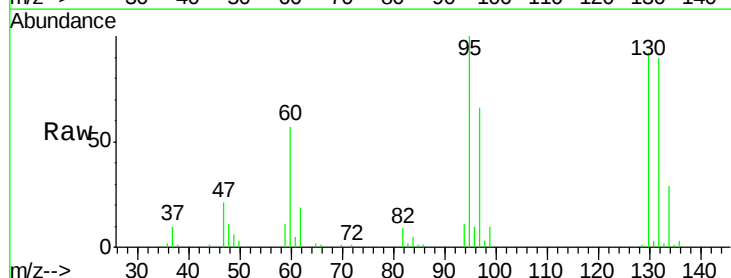
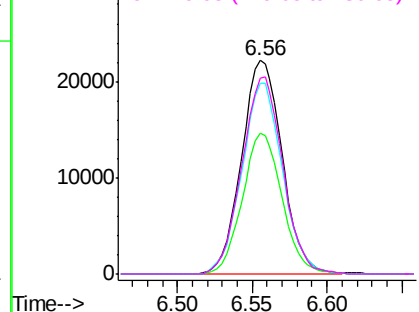
Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

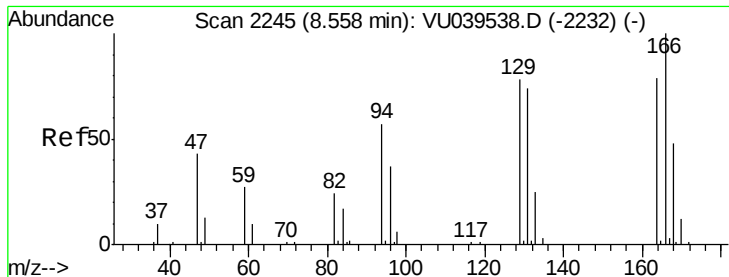


#34
Trichloroethene
Concen: 6.684 ug/L
RT: 6.56 min Scan# 1622
Delta R.T. -0.00 min
Lab File: VU039547.D
Acq: 17 Jul 2020 13:21

Tgt Ion	Ratio	Lower	Upper
95	100		
97	66.0	46.3	85.9
132	89.6	64.0	118.8
130	91.5	64.3	119.5

Abundance Ion 95.00 (94.70 to 95.70): VU0
Ion 96.95 (96.65 to 97.65): VU0
Ion 131.95 (131.65 to 132.65): V
Ion 129.95 (129.65 to 130.65): V





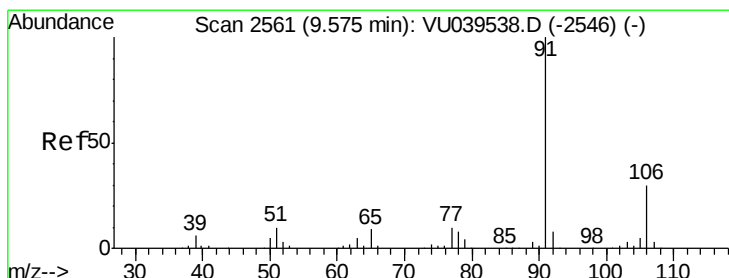
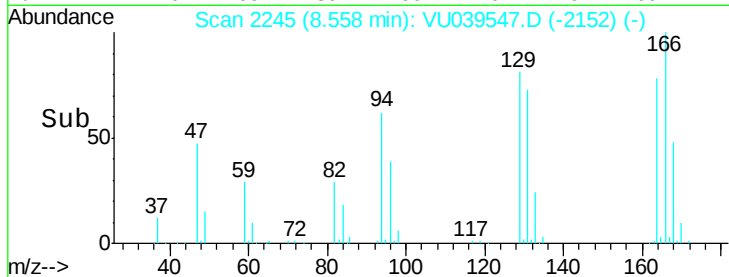
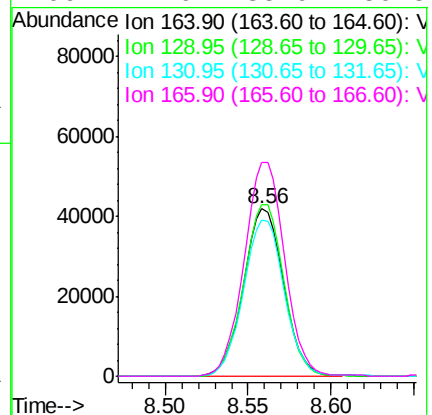
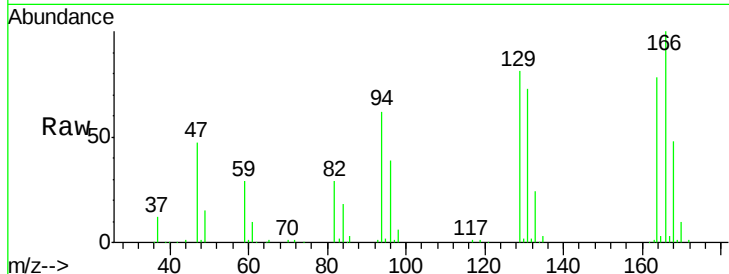
#47
Tetrachloroethene
Concen: 16.241 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VU039547.D
Acq: 17 Jul 2020 13:21

Instrument :
MSVOA_U
ClientSampled :
BFT84

Tot Ion	Ratio	Lower	Upper
164	100		
129	102.9	68.6	127.4
131	93.3	66.4	123.4
166	127.9	85.9	159.5

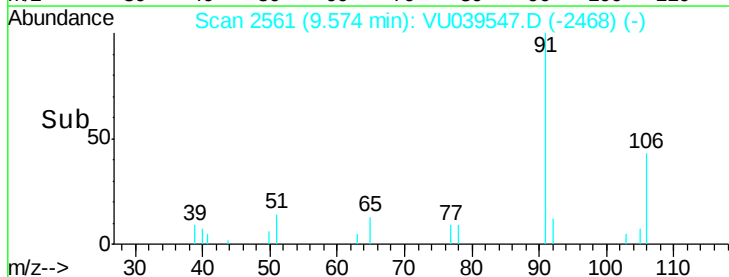
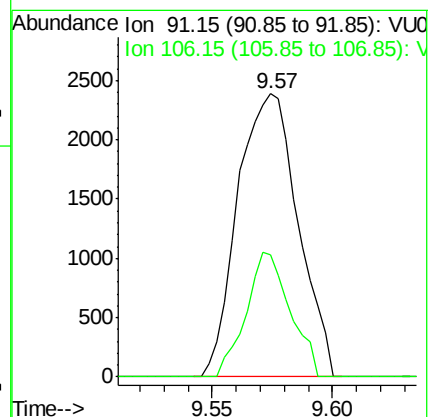
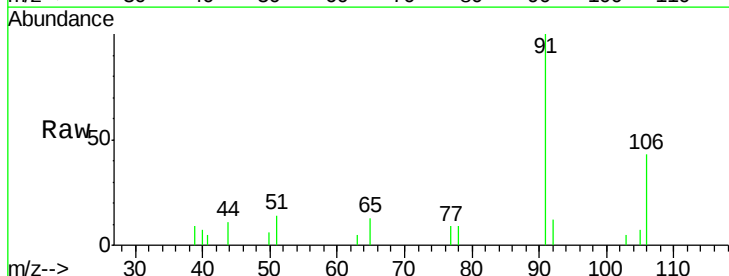
Manual Integrations
APPROVED

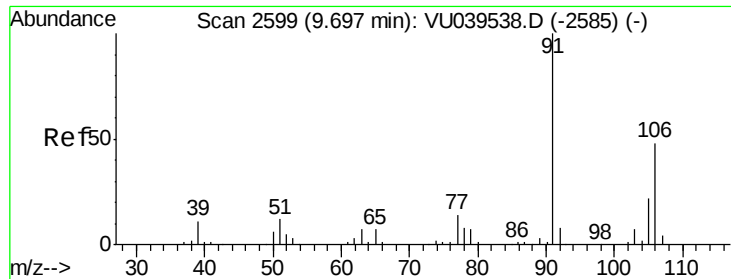
MMDadoda
7/20/2020 11:46:45 AM



#52
Ethylbenzene
Concen: 0.144 ug/L m
RT: 9.57 min Scan# 2561
Delta R.T. -0.00 min
Lab File: VU039547.D
Acq: 17 Jul 2020 13:21

Tgt Ion	Ratio	Lower	Upper
91	100		
106	43.3	21.3	39.6





#53

m,p-Xylene

Concen: 0.434 ug/L

RT: 9.70 min Scan# 2600

Delta R.T. 0.00 min

Lab File: VU039547.D

Acq: 17 Jul 2020 13:21

Instrument :

MSVOA_U

ClientSampled :

BFT84

Tot Ion:106 Resp: 4701

Ion Ratio Lower Upper

106 100

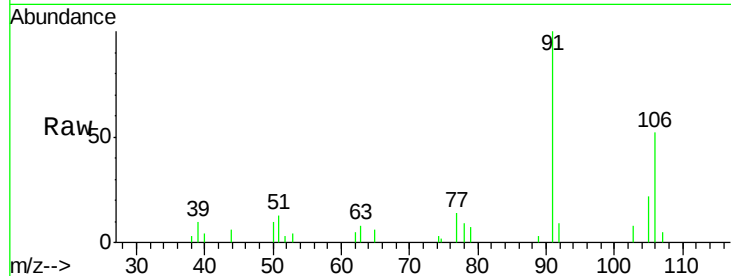
91 193.6 144.0 267.4

Manual Integrations

APPROVED

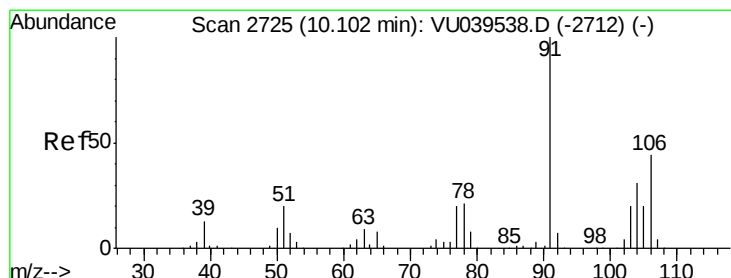
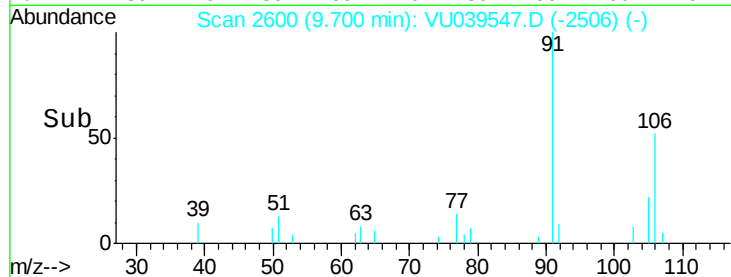
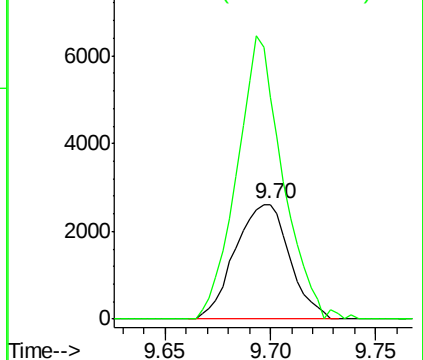
MMDadoda

7/20/2020 11:46:45 AM



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.261 ug/L

RT: 10.11 min Scan# 2726

Delta R.T. 0.00 min

Lab File: VU039547.D

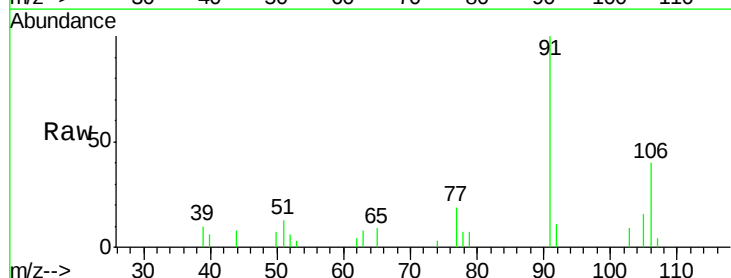
Acq: 17 Jul 2020 13:21

Tgt Ion:106 Resp: 2747

Ion Ratio Lower Upper

106 100

91 251.6 154.6 287.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

