

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071720\
 Data File : VU039553.D
 Acq On : 17 Jul 2020 15:39
 Operator : SY/MD
 Sample : L3292-18
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFT93

Manual Integrations
 APPROVED

MMDadoda
 7/20/2020 11:46:35 AM

Quant Time: Jul 18 01:45:35 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	6.26	114	86641	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	85044	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	38683	5.00	ug/L	0.00

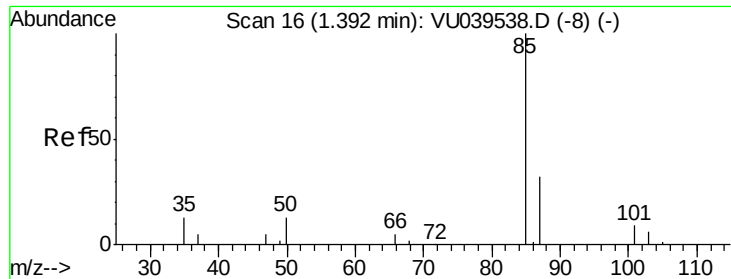
System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	20168	4.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.40%
7) Chloroethane-d5	1.92	69	25433	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.00%
11) 1,1-Dichloroethene-d2	2.58	63	35061	3.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.00%
20) 2-Butanone-d5	4.65	46	97586	42.47	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.94%
24) Chloroform-d	5.08	84	50858	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
26) 1,2-Dichloroethane-d4	5.72	65	32659	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
32) Benzene-d6	5.74	84	96180	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
36) 1,2-Dichloropropane-d6	6.70	67	33686	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.60%
41) Toluene-d8	7.91	98	84289	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
43) trans-1,3-Dichloropropene-	8.19	79	13087	4.12	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.40%
46) 2-Hexanone-d5	8.64	63	70929	37.64	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	75.28%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	29319	4.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	34664	5.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	2525	0.481	ug/L	97
3) Chloromethane	1.53	50	1325	0.208	ug/L	85
9) Trichlorofluoromethane	2.15	101	4730	0.386	ug/L	90
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	3411	0.678	ug/L	97
12) 1,1-Dichloroethene	2.60	96	4654	0.903	ug/L #	15
13) Acetone	2.65	43	7208	5.812	ug/L	92
14) Carbon disulfide	2.81	76	2630	0.145	ug/L #	89
17) Methyl tert-butyl Ether	3.38	73	3849	0.237	ug/L	93
22) cis-1,2-Dichloroethene	4.69	96	31530	4.929	ug/L	92
25) Chloroform	5.11	83	10561	0.937	ug/L	99
29) 1,1,1-Trichloroethane	5.33	97	1242m	0.124	ug/L	
31) Carbon tetrachloride	5.54	117	2692	0.315	ug/L	98
34) Trichloroethene	6.56	95	212743	32.365	ug/L	98
47) Tetrachloroethene	8.56	164	3048	0.667	ug/L	95

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



#2

Dichlorodifluoromethane

Concen: 0.481 ug/L

RT: 1.39 min Scan# 16

Delta R.T. -0.00 min

Lab File: VU039553.D

Acq: 17 Jul 2020 15:39

Instrument :

MSVOA_U

ClientSampled :

BFT93

Tot Ion: 85 Resp: 2525

Ion Ratio Lower Upper

85 100

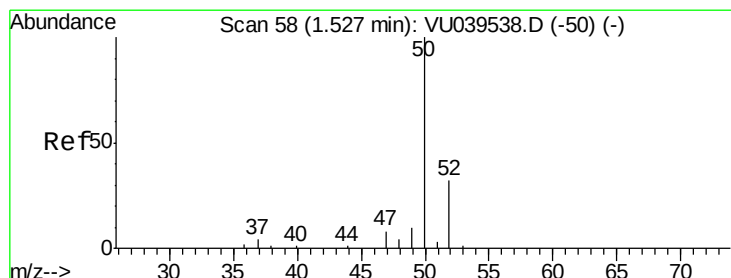
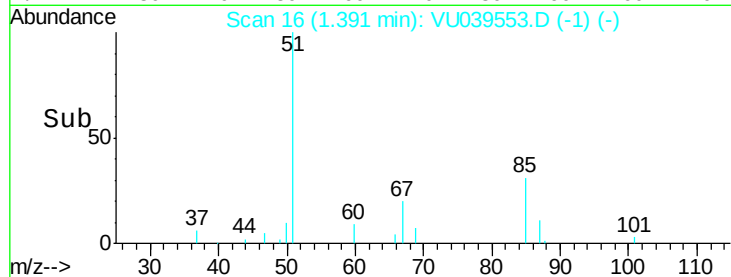
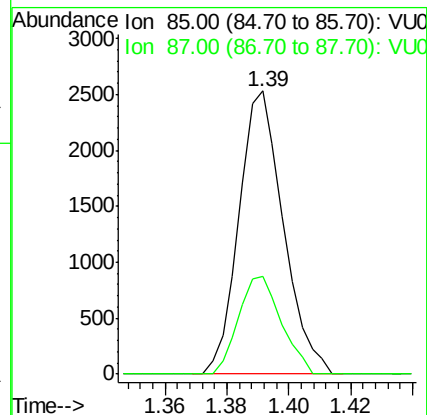
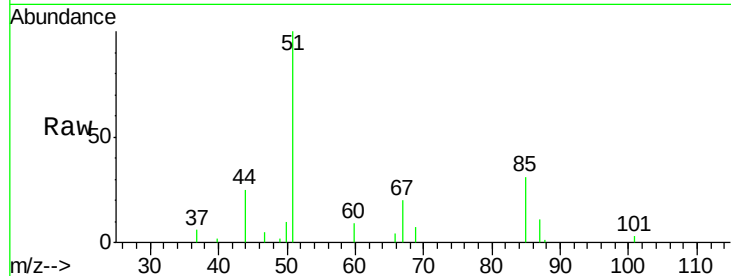
87 33.2 25.2 37.8

Manual Integrations

APPROVED

MMDadoda

7/20/2020 11:46:35 AM



#3

Chloromethane

Concen: 0.208 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039553.D

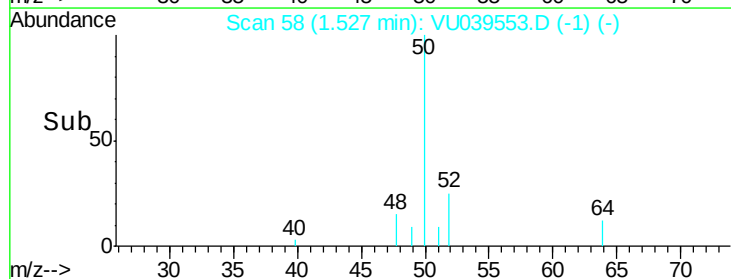
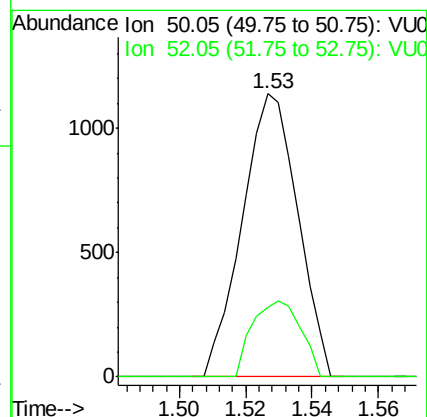
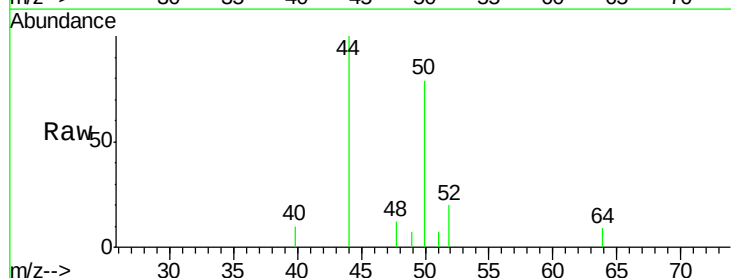
Acq: 17 Jul 2020 15:39

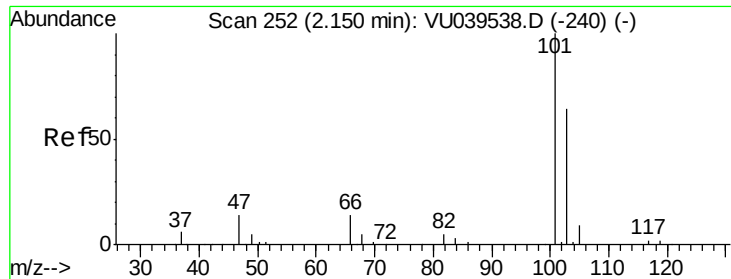
Tgt Ion: 50 Resp: 1325

Ion Ratio Lower Upper

50 100

52 24.7 23.0 42.8





#9

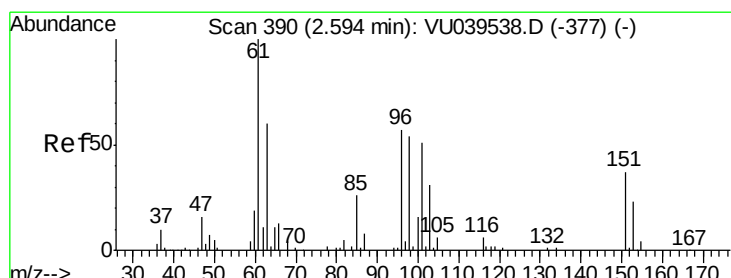
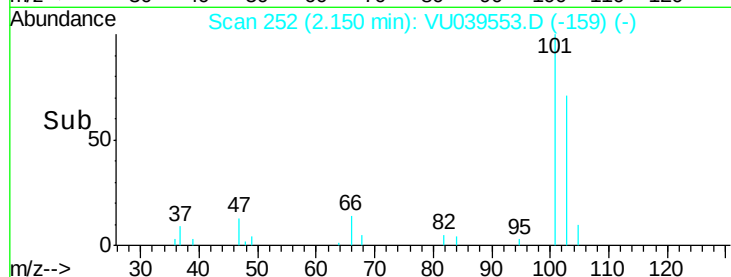
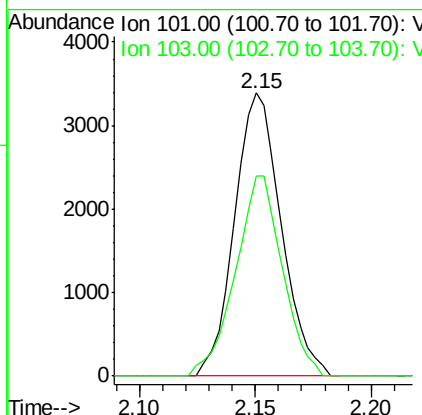
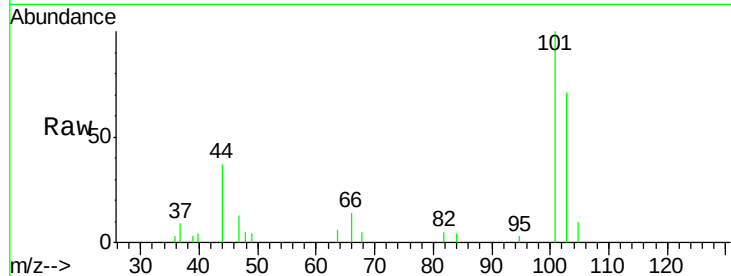
Trichlorofluoromethane
Concen: 0.386 ug/L
RT: 2.15 min Scan# 252
Delta R.T. -0.00 min
Lab File: VU039553.D
Acq: 17 Jul 2020 15:39

Instrument :
MSVOA_U
ClientSampleId :
BFT93

Tot Ion	Ratio	Lower	Upper
101	100		
103	71.1	50.6	76.0

Manual Integrations
APPROVED

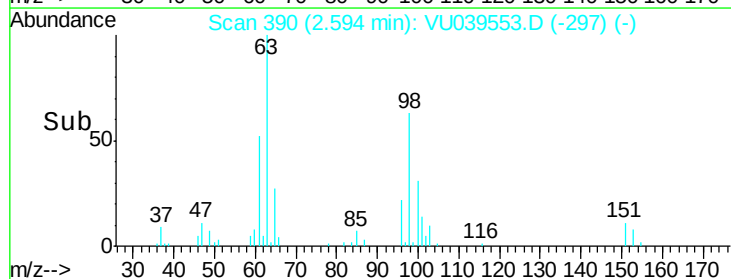
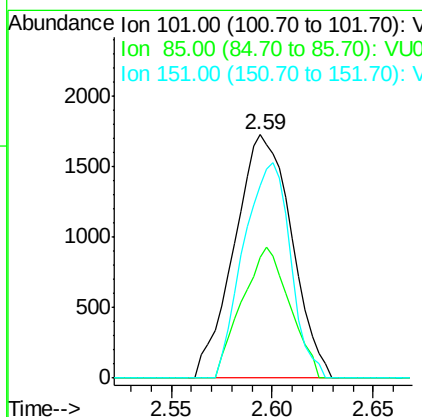
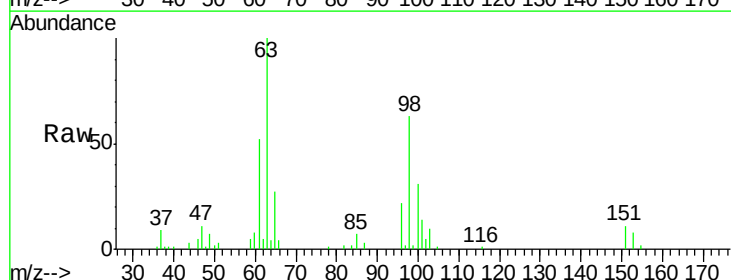
MMDadoda
7/20/2020 11:46:35 AM

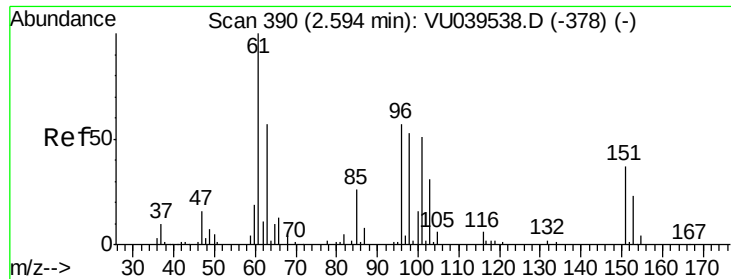


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.678 ug/L
RT: 2.59 min Scan# 390
Delta R.T. -0.00 min
Lab File: VU039553.D
Acq: 17 Jul 2020 15:39

Tgt Ion	Ratio	Lower	Upper
101	100		
85	44.9	38.9	58.3
151	72.9	57.0	85.4





#12

1,1-Dichloroethene

Concen: 0.903 ug/L

RT: 2.60 min Scan# 391

Delta R.T. 0.00 min

Lab File: VU039553.D

Acq: 17 Jul 2020 15:39

Instrument :

MSVOA_U

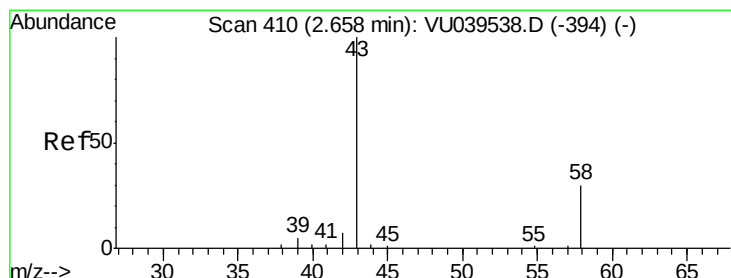
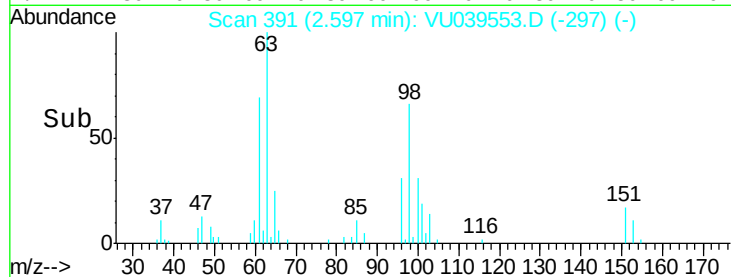
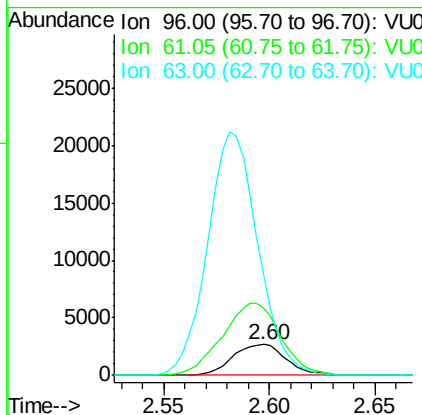
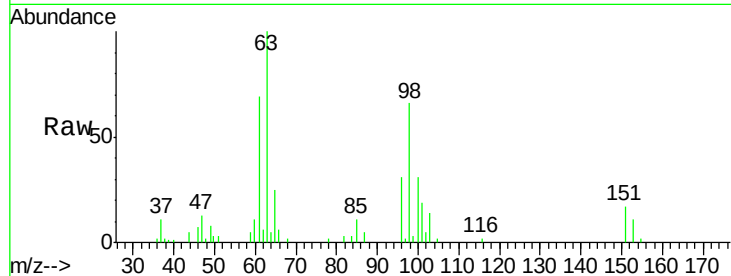
ClientSampled :

BFT93

Tot Ion:	96	Resp:	4654
Ion	Ratio	Lower	Upper
96	100		
61	220.4	125.4	232.8
63	320.8	92.7	172.3#

Manual Integrations
APPROVED

MMDadoda
7/20/2020 11:46:35 AM



#13

Acetone

Concen: 5.812 ug/L

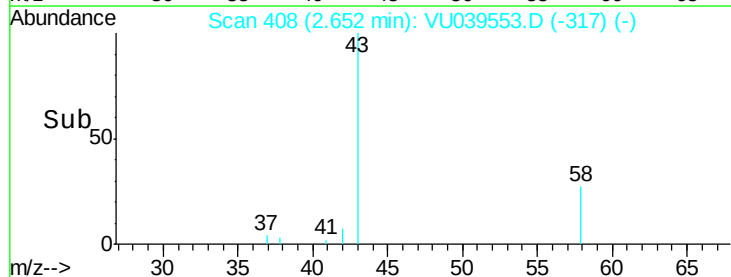
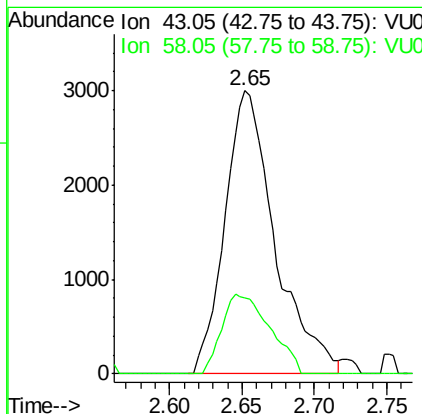
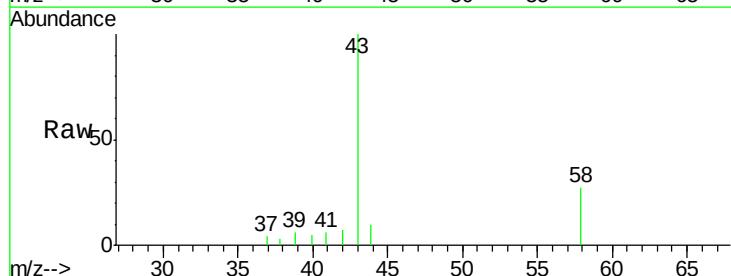
RT: 2.65 min Scan# 408

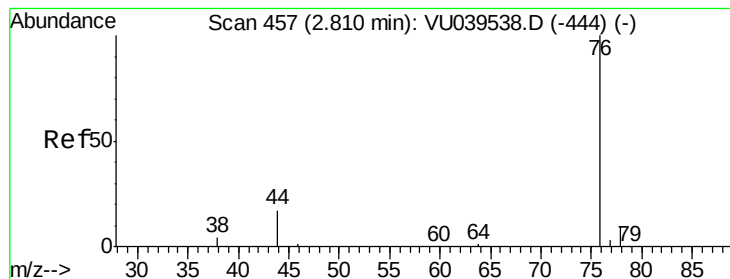
Delta R.T. -0.01 min

Lab File: VU039553.D

Acq: 17 Jul 2020 15:39

Tgt Ion:	43	Resp:	7208
Ion	Ratio	Lower	Upper
43	100		
58	26.9	0.0	62.8





#14

Carbon disulfide

Concen: 0.145 ug/L

RT: 2.81 min Scan# 458

Delta R.T. 0.00 min

Lab File: VU039553.D

Acq: 17 Jul 2020 15:39

Instrument :

MSVOA_U

ClientSampled :

BFT93

Tot Ion: 76 Resp: 2630

Ion Ratio Lower Upper

76 100

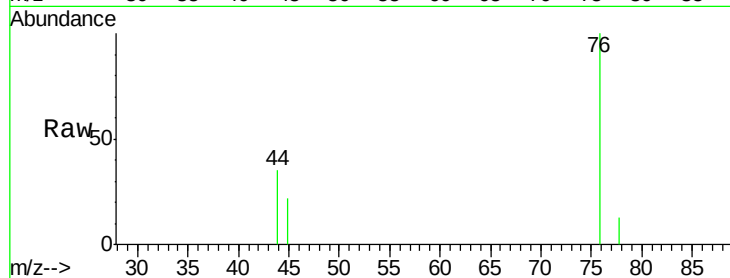
78 12.8 7.0 10.4#

Manual Integrations

APPROVED

MMDadoda

7/20/2020 11:46:35 AM



Abundance Ion 76.05 (75.75 to 76.75): VU039538.D (-444) (-)

Ion 78.00 (77.70 to 78.70): VU039538.D (-444) (-)

2.81

1500

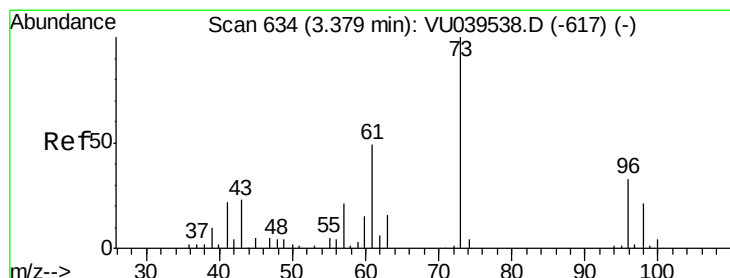
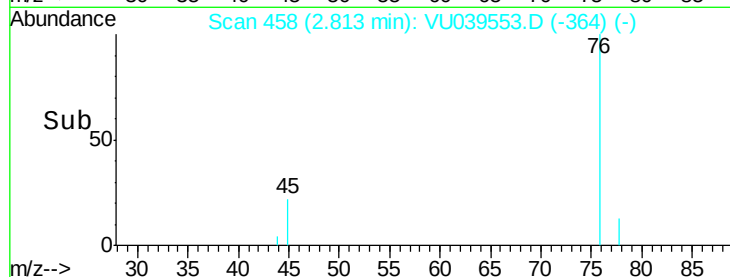
1000

500

0

2.75 2.80 2.85

Time-->



#17

Methyl tert-butyl Ether

Concen: 0.237 ug/L

RT: 3.38 min Scan# 636

Delta R.T. 0.01 min

Lab File: VU039553.D

Acq: 17 Jul 2020 15:39

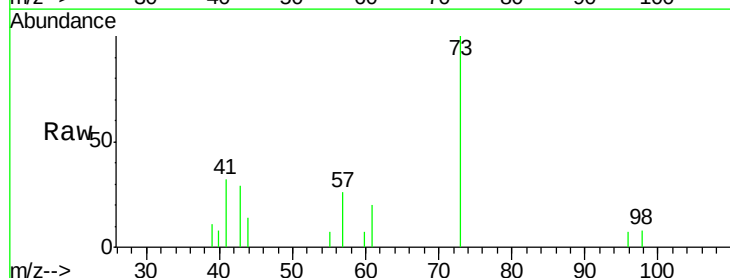
Tgt Ion: 73 Resp: 3849

Ion Ratio Lower Upper

73 100

43 26.3 18.6 28.0

57 25.7 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VU039538.D (-617) (-)

Ion 43.05 (42.75 to 43.75): VU039538.D (-617) (-)

Ion 57.10 (56.80 to 57.80): VU039538.D (-617) (-)

3.38

2000

1500

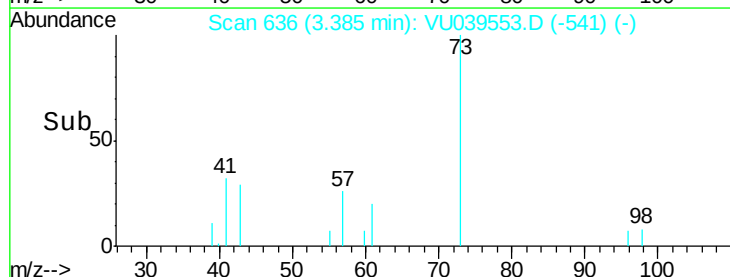
1000

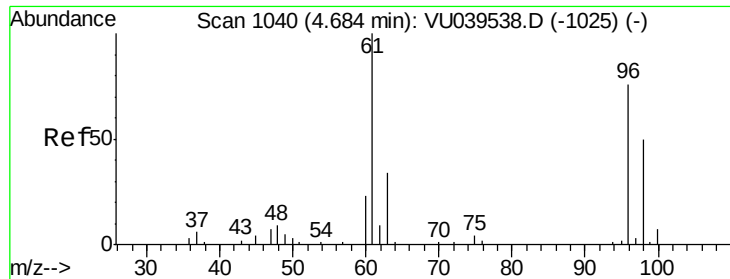
500

0

3.30 3.35 3.40 3.45

Time-->





#22

cis-1,2-Dichloroethene

Concen: 4.929 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.01 min

Lab File: VU039553.D

Acq: 17 Jul 2020 15:39

Instrument :

MSVOA_U

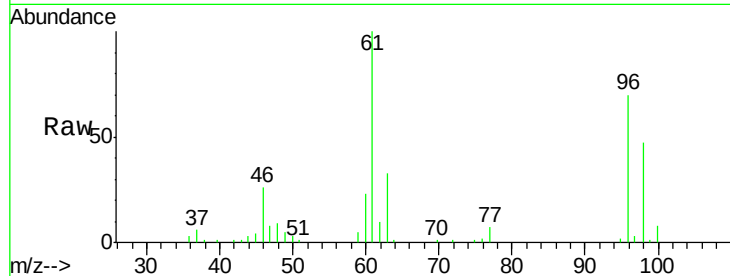
ClientSampled :

BFT93

Tot Ion:	96	Resp:	31530
Ion	Ratio	Lower	Upper
96	100		
61	142.5	92.8	172.4
68	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
7/20/2020 11:46:35 AM

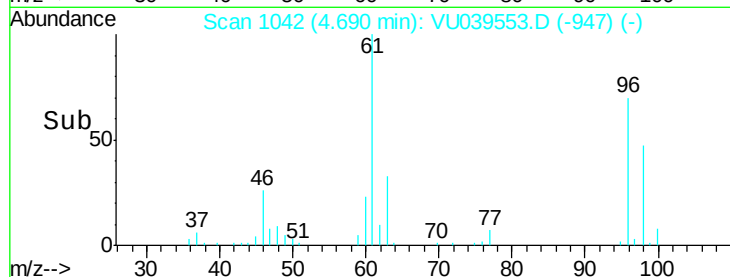


Abundance Ion 96.00 (95.70 to 96.70): VU039553.D (-1042) (-)

Ion 61.05 (60.75 to 61.75): VU039553.D (-1042) (-)

Ion 68.15 (67.85 to 68.85): VU039553.D (-1042) (-)

Time-->

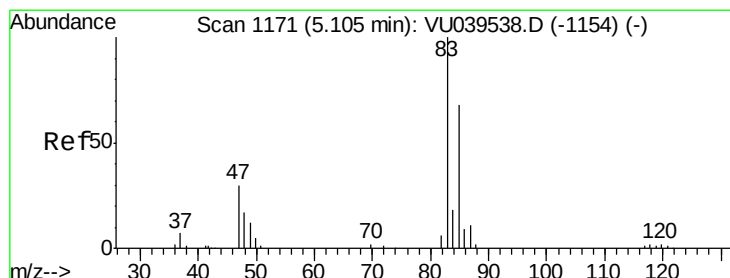


Abundance Ion 96.00 (95.70 to 96.70): VU039553.D (-1042) (-)

Ion 61.05 (60.75 to 61.75): VU039553.D (-1042) (-)

Ion 68.15 (67.85 to 68.85): VU039553.D (-1042) (-)

Time-->



#25

Chloroform

Concen: 0.937 ug/L

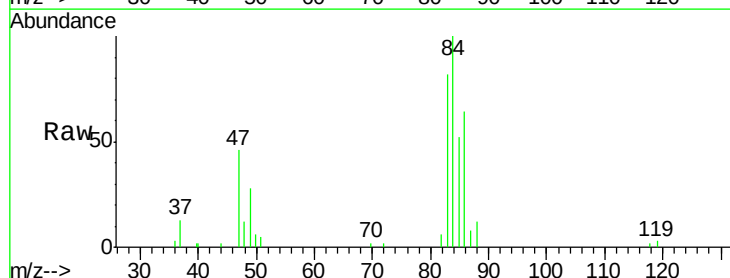
RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU039553.D

Acq: 17 Jul 2020 15:39

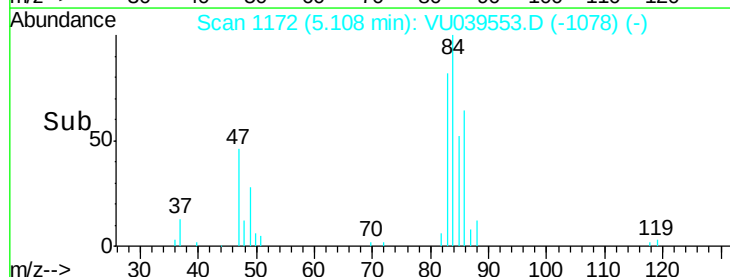
Tgt Ion:	83	Resp:	10561
Ion	Ratio	Lower	Upper
83	100		
85	63.1	44.9	83.5



Abundance Ion 83.05 (82.75 to 83.75): VU039553.D (-1172) (-)

Ion 85.00 (84.70 to 85.70): VU039553.D (-1172) (-)

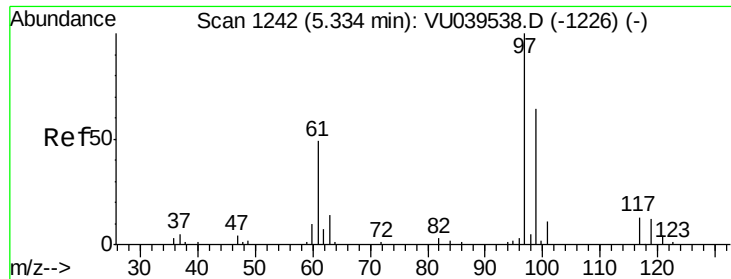
Time-->



Abundance Ion 83.05 (82.75 to 83.75): VU039553.D (-1172) (-)

Ion 85.00 (84.70 to 85.70): VU039553.D (-1172) (-)

Time-->



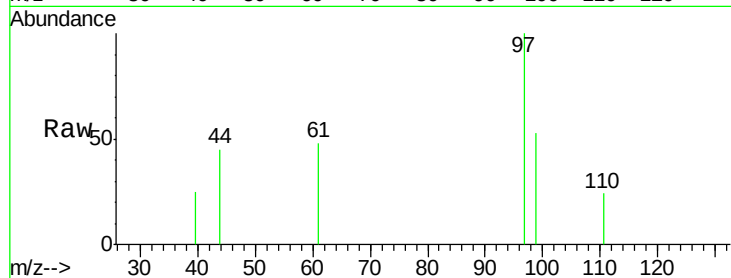
#29
1,1,1-Trichloroethane
Concen: 0.124 ug/L m
RT: 5.33 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VU039553.D
Acq: 17 Jul 2020 15:39

Instrument :
MSVOA_U
ClientSampled :
BFT93

Tot Ion	Ratio	Lower	Upper
97	100		
99	58.8	52.6	79.0
61	46.2	37.9	56.9

Manual Integrations
APPROVED

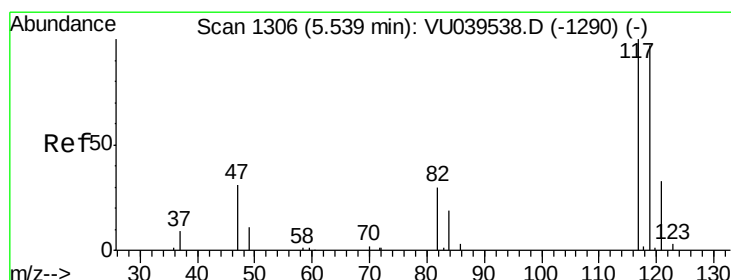
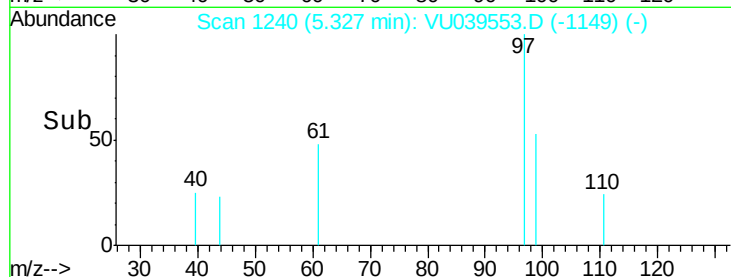
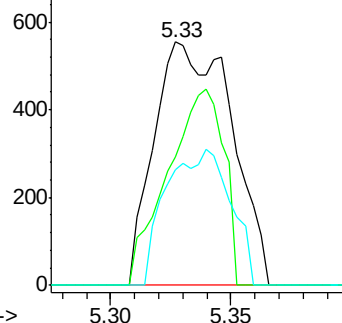
MMDadoda
7/20/2020 11:46:35 AM



Abundance Ion 96.95 (96.65 to 97.65): VU039553.D (-1242) (-)

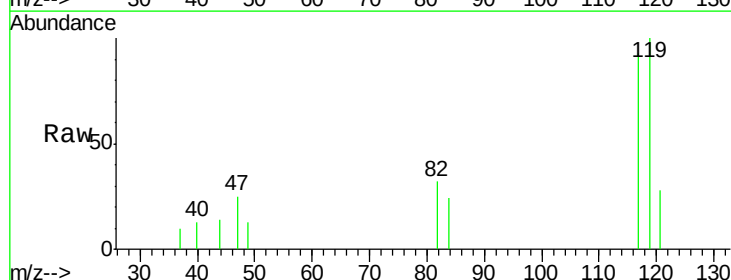
Ion 99.05 (98.75 to 99.75): VU039553.D (-1242) (-)

Ion 61.05 (60.75 to 61.75): VU039553.D (-1242) (-)



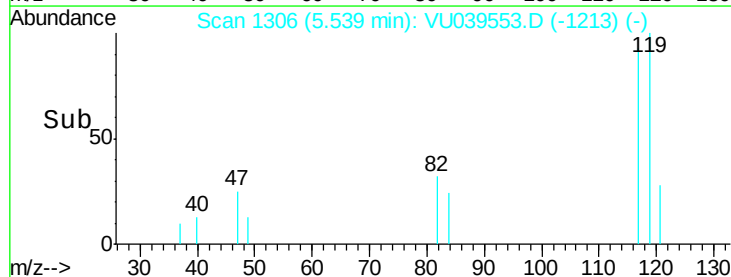
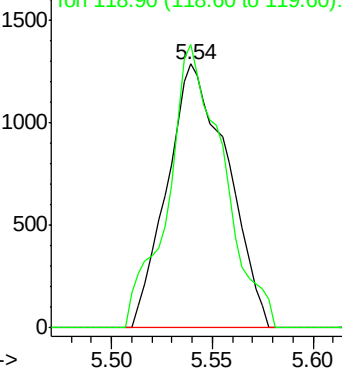
#31
Carbon tetrachloride
Concen: 0.315 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. -0.00 min
Lab File: VU039553.D
Acq: 17 Jul 2020 15:39

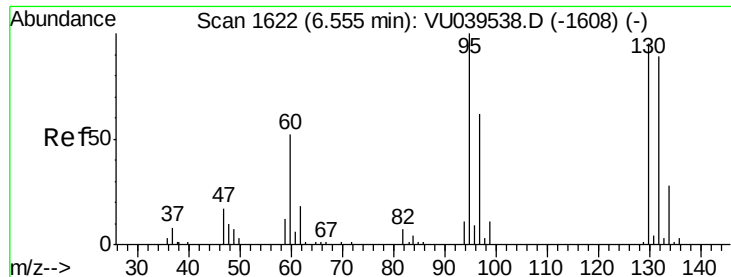
Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.9	77.4	116.0



Abundance Ion 116.90 (116.60 to 117.60): VU039553.D (-1306) (-)

Ion 118.90 (118.60 to 119.60): VU039553.D (-1306) (-)





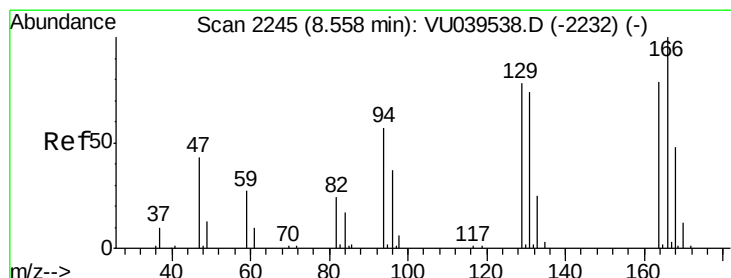
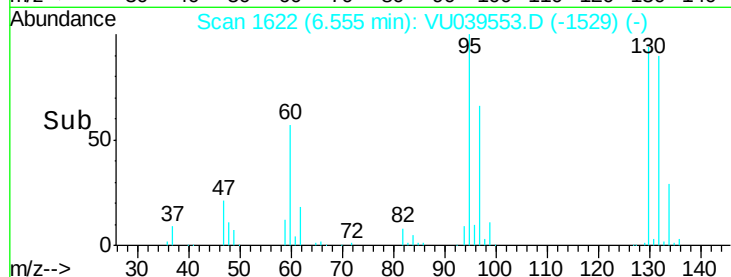
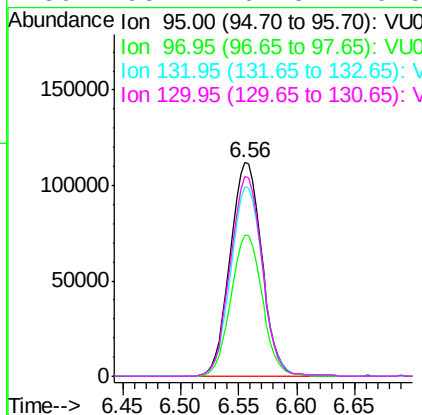
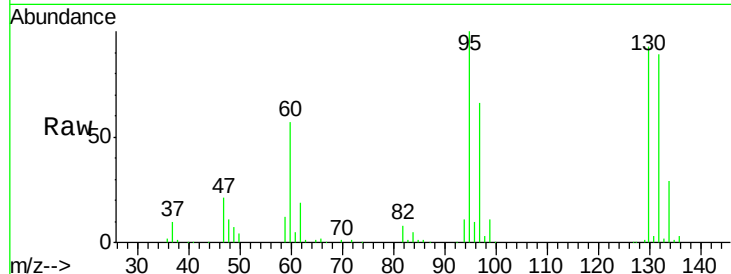
#34
 Trichloroethene
 Concen: 32.365 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. -0.00 min
 Lab File: VU039553.D
 Acq: 17 Jul 2020 15:39

Instrument :
 MSVOA_U
 ClientSampleId :
 BFT93

Tot Ion:	95	Resp:	212743
Ion	Ratio	Lower	Upper
95	100		
97	65.6	46.3	85.9
132	88.7	64.0	118.8
130	93.4	64.3	119.5

Manual Integrations
 APPROVED

MMDadoda
 7/20/2020 11:46:35 AM



#47
 Tetrachloroethene
 Concen: 0.667 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU039553.D
 Acq: 17 Jul 2020 15:39

Tgt Ion:	164	Resp:	3048
Ion	Ratio	Lower	Upper
164	100		
129	102.1	68.6	127.4
131	85.2	66.4	123.4
166	126.1	85.9	159.5

